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SEISMOLOGICAL BULLETIN

September, 1958

COAST & GEODETIC SURVEY
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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. (COLU)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
Kipapa, T. H. (KIP)
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Philadelphia, Pa. (PHIL)
The Franklin Institute
**Rapid City, S. Dak. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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
Sept.	h m s	°	°	
1	00 57 10*	24 S.	175½ W.	Tonga Islands region.
1	14 30 46*	18 S.	65 W.	Bolivia. Many injured and extensive property damage at Aiquile.
1	15 29 31*	38 N.	134½ E.	Sea of Japan. h about 400 km.
2	01 13 26*	38 N.	21 E.	Ionian Islands. Felt.
2	02 27 41*	10½ S.	164½ E.	Santa Cruz Islands region.
2	02 56 34*	6½ S.	155 E.	Solomon Islands. h about 100 km.
2	14 25 37*	5½ S.	145½ E.	Near north coast of New Guinea.
2	19 41 10**			Near coast of El Salvador. Felt. h about 100 km.
2	20 07 04*	15 N.	92½ W.	Near coast of Oaxaca, Mexico.
3	01 34 06*	34 N.	47 E.	Iran.
3	03 44 24*	0	18 W.	Atlantic Ocean.
3	04 17 50**			Off coast of Guatemala.
3	08 10 26*	40½ N.	143 E.	Off northeast coast of Honshu, Japan. h about 60 km.
4	00 03 00*	37 N.	26½ E.	Dodecanese Islands. Felt. h about 60 km.
4	06 58 52*	51½ N.	177½ E.	Rat Islands, Aleutian Islands.
4	21 51 08*	33½ S.	69½ W.	Chile-Argentina border. 3 killed and major property damage at San Jose and Volcan. Felt at Rancaqua and Santiago. Mag. 6-3/4 - 7.
4	23 10 22*	18½ S.	178 W.	Fiji Islands. h about 500 km.
5	03 41 22**			Chile-Argentina border.
5	06 12 58*	34 S.	70 W.	do.
5	10 59 03**			Kurile Islands.
5	13 01 55*	5 S.	102 E.	Near coast of Sumatra.
5	13 08 04*	5 S.	102 E.	Sumatra aftershock.
5	14 14 17*	5 S.	101½ E.	do.
7	02 48 14*	7 N.	73 W.	Northern Colombia. h about 150 km.
7	04 40 57*	10 S.	153 E.	Solomon Sea.
7	04 43 37*	9½ S.	152½ E.	do.
7	10 07 05*	27 N.	127½ E.	Ryukyu Islands.
8	05 25 37*	53½ N.	159 E.	Near east coast of Kamchatka. Depth slightly greater than normal.
8	13 58 19**			Santa Cruz Islands region.
8	14 53 13*	33½ N.	131½ E.	Northern Kyushu, Japan. h about 60 km.
8	22 24 55*	34 S.	70 W.	Chile-Argentina border.
9	04 09 38**			Java Sea.
9	11 32 05*	46 N.	151 E.	Kurile Islands.
9	22 23 37*	54 N.	171 E.	Near Islands region, Aleutian Islands.
11	18 01 44	7½ N.	126½ E.	Near east coast of Mindanao, Philippine Islands. Felt on Davao and Surigao.
11	23 37 33*	21 S.	170½ E.	Loyalty Islands.

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Sept.	h m s	°	°	
12	05 37 46*	41 S.	78½ E.	Indian Ocean.
12	13 45 46*	6 S.	106 E.	Java.
12	22 08 06*	6½ S.	129½ E.	Banda Sea.
14	14 21 37*	57 N.	121 E.	Stanovoi Mountains region, Siberia. Mag. 6¼ - 6½.
14	17 57 28**			New Hebrides Islands.
14	19 42 13*	31 N.	133 E.	Off east coast of Kyushu, Japan.
14	21 31 55*	7 S.	68 E.	Chagos Archipelago region.
15	05 36 18*	8½ N.	103½ W.	Pacific Ocean. h about 100 km.
15	16 48 10*	33 S.	179 W.	Kermadec Islands region.
15	19 01 38*	52 N.	156½ E.	Near west coast of Kamchatka.
15	19 45 40*	2½ N.	120½ E.	Celebes Sea. h about 600 km. Mag. 6 - 6¼.
16	03 52 52*	61 N.	136½ E.	Eastern Siberia.
16	07 22 20*	11½ N.	123 E.	Panay Island, Philippine Islands. Felt at Iloilo and Roxas City.
16	12 45 23*	22 S.	175 W.	Tonga Islands.
16	14 22 30*	34½ N.	59½ E.	Eastern Iran.
17	12 23 50*	48½ N.	155 E.	Kurile Islands.
18	03 35 32**			Sandwich Islands.
18	06 51 09*	2½ S.	141 E.	Near north coast of New Guinea.
18	14 41 40*	½ N.	30 W.	Mid-Atlantic Ocean.
18	20 53 02*	36½ N.	71 E.	Hindu-Kush. h about 150 km.
18	21 24 42*	9½ S.	80 W.	Off coast of Peru.
19	08 12 33*	2½ N.	127 E.	Molucca Passage.
19	17 18 40*	53 N.	169½ W.	Fox Islands, Aleutian Islands.
20	05 17 23*	20½ N.	105 E.	North Vietnam.
20	10 34 00*	15½ N.	46 W.	Atlantic Ocean.
20	17 09 24*	6½ S.	154½ E.	Solomon Islands.
20	17 18 43**			About 400 miles south of Fiji Islands.
21	05 45 10*	38 N.	142 E.	Honshu, Japan.
21	07 25 00*	36½ N.	121 W.	California. Mag. 4½ (Berk).
21	13 29 03*	15 S.	174 W.	Samoa Islands region. Felt at Apia. h about 150 km.
21	16 18 36*	36 N.	49 E.	Iran. Heavy damage at Karksar.
22	07 00 14*	6 S.	110 E.	Off north coast of Java. h about 600 km.
22	09 37 27*	27½ N.	140 E.	Bonin Islands. h about 500 km.
22	11 32 54*	1½ S.	77 W.	Ecuador. h about 200 km.
22	19 05 44*	33½ S.	177½ W.	Kermadec Islands region. Mag. 6-3/4.
22	20 03 40*	42 N.	142 E.	Hokkaido, Japan.
22	22 51 44*	16½ S.	169½ E.	New Hebrides Islands.
23	03 50 06*	40½ N.	125½ W.	Northern California. Felt at Humboldt County. Mag. 5 - 5¼ (Berk).

Date 1958	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
Sept.	h m s	°		°		
24	03 44 14*	59¼	N.	143½	W.	Gulf of Alaska. Mag. 6¼.
24	13 53 05**					Central Chile. Felt at Santiago.
25	06 54 00*	36¼	N.	70	E.	Hindu Kush. h about 200 km.
25	07 20 01*	9	N.	39½	W.	Atlantic Ocean. Mag. 6½.
25	07 55 25*	19½	N.	66	W.	Off north coast of Puerto Rico.
25	15 15 37*	32½	S.	178	W.	Kermadec Islands region.
25	20 24 44*	36	S.	98	W.	Pacific Ocean. Southeast of Easter Island.
25	20 55 53*	33	S.	178½	W.	Kermadec Islands region.
26	11 34 24**					Banda Sea.
26	18 10 28*	50½	N.	175	W.	Andreanof Islands, Aleutian Islands.
27	07 36 07*	9	S.	106	E.	Off south coast of Java.
27	10 41 28*	66	N.	17	W.	Near north coast of Iceland.
27	12 37 07*	37	N.	141½	E.	Near coast of Honshu, Japan.
27	13 55 02*	15	S.	174	W.	Samoa Islands region. h about 150 km.
28	12 50 25*	5	S.	153½	E.	New Britain-Solomon Islands region.
28	20 53 40*	36½	N.	139½	E.	Honshu, Japan.
29	00 03 46*	16½	S.	173	W.	Tonga Islands region.
29	09 53 20*	4½	S.	130	E.	Banda Sea.
29	14 17 11*	39½	N.	143½	E.	Off northeast coast of Honshu, Japan.
29	15 15 44*	39	N.	143	E.	Honshu aftershock.
30	07 08 37	3½	N.	128	E.	Molucca Passage.
30	08 45 28*	47	N.	10	E.	Switzerland-Austria border. Slight damage at Landeck.
30	08 47 06*	23	S.	172½	E.	Loyalty Islands region.
30	09 18 10*	3	N.	128	E.	Molucca Passage.

Date and Station		Phase	(GCT) h m s
Sept. 1			
BC		e(P)	00 26 34
EUR		e(P)	00 28 27
Sept. 1			
BC		eP	01 09 40
		e(PP)	13 22
COL		eP	01 10 19
EUR		iP	01 09 46
HH		eP	01 10 17
SLC		eP	01 10 04
TUC		eP	01 09 43
		e	09 53
		eL	36 06
TUC-T		iP	01 09 43
Sept. 1			
COL		i(P)	01 13 47
EUR		iP	01 13 27
HH		i(P)	01 13 54
TUC		eP	01 13 27
TUC-T		iP	01 13 27
Sept. 1			
COL		eP	03 20 37
EUR		eP	03 26 03
HH		iP	03 24 58
Sept. 1			
HH		e(P)	03 32 46
Sept. 1			
HH		iP	03 49 06
		iS	49 22
		iL	49 28
Sept. 1			
TUC-T		eP	05 43 42
Sept. 1			
BC		eP	11 03 50
		e	04 10
BUT		eP	11 04 37
		e	05 46
		e	06 21
EUR		iP	11 03 14
		i	03 36
		i	07 44
		iS	04 28
		iL	04 43
		i	06 11
HH		eP	11 04 34
UK		iP	11 02 00
		eS	02 08
		eL	02 09
TUC		eP	11 05 05
		eL	08 19
TUC-T		e(P)	11 04 52
		eL	08 29
Sept. 1			
EUR		eP	11 33 19
HH		i(P)	11 32 50
Sept. 1			
EUR		eP	12 02 05
Sept. 1			
EUR		eP	12 19 48
Sept. 1			
COL		iP	14 04 39
		iS	05 10
		iL	05 20
Sept. 1			
COLU		eP	14 40 22
EUR		eP	14 42 27
HH		eP	14 42 54
SJ		eP	14 38 09
TUC		eP	14 41 38
TUC-T		eP	14 41 38
Sept. 1			
COL		eP	15 27 32
EUR		eP	15 30 45
HH		e(P)	15 30 19
		i	30 27
BOZ		eP	15 40 52
COL		iP	15 38 00
		i	38 37
		ipP	39 19
EUR		iP	15 40 58
		ipP	42 28
		eSKPP'	16 10 38
HH		iP	15 40 33
		epP	42 02
SLC		eP	15 41 07
TUC		iP	15 41 38
		epP	43 12
TUC-T		iP	15 41 38
		ipP	43 11
Sept. 1			
COL		iP	18 41 51
EUR		iP	18 41 19
TUC		eP	18 41 16
TUC-T		iP	18 41 16
		e	41 25
Sept. 1			
EUR		eP	20 44 33
Sept. 2			
BUT		eP	01 26 13
COL		eP	01 25 23
EUR		e(P)	01 26 52
HH		iP	01 26 03
Sept. 2			
BOZ		eP	02 41 04
BUT		eP	02 40 58
COL		iP	02 40 09
		i	40 22
EUR		iP	02 40 36
HH		eP	02 40 50
TUC		eP	02 40 48
TUC-T		eP	02 40 49
Sept. 2			
BC		eP	03 09 59
COL		eP	03 08 51
EUR		iP	03 09 44
Sept. 2			
HH		iP	03 22 01
Sept. 2			
COL		iP	04 24 59
		i	25 04
		iS	25 35
		iL	25 40
Sept. 2			
COL		eP	04 36 46
		iL	38 05
Sept. 2			
HH		eP	04 57 34
Sept. 2			
BC		e(P)	08 05 23
EUR		eP	08 07 02
Sept. 2			
EUR		eP	08 23 30
Sept. 2			
COL		eP	10 45 17
EUR		iP	10 48 44
HH		iP	10 48 13
		i	48 24
		i	50 21
TUC		eP	10 49 45
Sept. 2			
COL		iP	14 38 16
		i	38 31
		i	38 45
EUR		eP	14 39 26
		ePP	43 31
HH		iP	14 39 30
		iPKKP	55 39
SJ		iP'	14 45 21
		e	45 50
Sept. 2			
COL		eP	15 56 07
TUC-T		eP	15 55 37
Sept. 2			
COL		iP	16 02 35
		i	02 40
		iS	03 12
		iL	03 20
Sept. 2			
COL		iP	17 43 39
TUC-T		eP	17 43 13
Sept. 2			
EUR		eP	19 08 35
Sept. 2			
COL		iP	19 13 33
EUR		eP	19 13 03
TUC-T		iP	19 13 03
Sept. 2			
BOZ		eP	19 48 26
COLU		eP	19 46 04
HH		iP	19 48 51
		ePcP	50 47
TUC		eP	19 47 08
TUC-T		eP	19 47 06
WASH		e(P)	19 48 09
Sept. 2			
BH		iP	20 10 25
		iL	15 31

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Date and Station		Phase (GCT)
		h m s
BC	eP	20 13 04
	e	13 11
BOZ	eP	20 13 52
	e	14 16
BUT	iP	20 14 02
COLU	eP	20 12 00
EUR	iP	20 13 31
HH	iP	20 14 20
SLC	eP	20 13 21
	e	13 36
TUC	eP	20 12 19
	iP	12 20
	eS	16 32
TUC-T	iP	20 12 18
	i	13 17
	e(S)	16 56
	eL	19 52
Sept. 2		
TUC-T	eP	21 38 39
Sept. 2		
EUR	e(P)	23 17 33
Sept. 3		
COL	eP	01 46 25
Sept. 3		
BOZ	eP	01 59 58
BUT	eP	02 00 04
COL	eP	02 03 27
COLU	eP	01 58 04
EUR	iP	01 59 33
HH	iP	02 00 23
TUC	eP	01 58 21
	eL	02 08 38
TUC-T	eP	01 58 21
	iP	58 22
Sept. 3		
HH	eP	03 11 24
Sept. 3		
SLC	eP	03 42 43
Sept. 3		
BH	iP	03 54 50
	iS	04 03 19
BC	e(P)	03 57 55
	ePP	04 01 33
BOZ	eP	03 57 41

Date and Station		Phase (GCT)
		h m s
BUT	eP	03 57 42
COLU	eP	03 55 28
	e	55 41
EUR	iP	03 57 56
	iPP	04 01 49
	ePKKP	14 52
HH	iP	03 57 44
SJ	iP	03 53 28
TUC	eP	03 57 40
	e	57 44
	ePP	04 01 18
	eL	27 33
TUC-T	eP	03 57 40
	i	57 43
WASH	iP	03 55 18
	e	56 26
Sept. 3		
BC	eP	04 24 04
	e	24 11
BOZ	eP	04 24 53
BUT	eP	04 25 01
COL	eP	04 28 25
COLU	eP	04 23 03
EUR	iP	04 24 30
HH	iP	04 25 21
	iPcP	27 34
SLC	eP	04 24 20
TUC	iP	04 23 19
	e	24 02
	e	24 16
	iS	28 12
	eL	30 57
TUC-T	iP	04 23 19
Sept. 3		
COL	iP	06 26 44
COLU	eP	06 22 25
EUR	iP	06 25 50
HH	iP	06 25 24
SJ	eP	06 21 08
TUC	eP	06 25 38
	eL	47 56
TUC-T	eP	06 25 38
	e	25 45

Date and Station		Phase (GCT)
		h m s
Sept. 3		
BC	eP	08 22 09
	e	22 16
BOZ	eP	08 21 46
	e	22 19
BUT	eP	08 21 39
COL	iP	08 18 43
	iS	25 24
	eScS	28 40
	eL	30 25
EUR	iP	08 21 52
HH	iP	08 21 26
	ipP	21 46
SLC	eP	08 22 02
	epP	22 25
TUC	iP	08 22 37
	i	22 46
	ePP	25 44
TUC-T	iP	08 22 37
	ePP	25 46
Sept. 3		
TUC	eP	09 07 55
TUC-T	eP	09 07 55
Sept. 3		
EUR	eP	09 38 35
HH	iP	09 38 23
Sept. 3		
EUR	iP	15 23 43
Sept. 3		
EUR	eP	18 39 09
TUC	e(P)	18 37 58
TUC-T	iP	18 37 58
Sept. 3		
COLU	eP	19 14 27
Sept. 3		
EUR	eP	20 11 17
Sept. 3		
COL	eP	20 58 48
EUR	eP	21 00 50
HH	iP	21 00 42
Sept. 3		
EUR	eP	22 53 42
Sept. 4		
COL	eP	00 14 57

Date and Station		Phase (GCT)
		h m s
EUR	eP	00 16 29
HH	iP	00 15 48
	ipP	16 07
Sept. 4		
COL	iP	01 46 13
Sept. 4		
HH	eP	03 03 47
Sept. 4		
HH	e(P)	03 59 45
Sept. 4		
BC	eP	07 07 46
COL	i(P)	07 03 53
EUR	iP	07 07 24
	i	07 36
HH	iP	07 06 51
	i	07 05
	eFcP	08 45
	i	08 57
SLC	eP	07 07 36
SJ	eP	07 11 01
	i	11 14
TUC	eP	07 08 23
	e	08 35
TUC-T	eP	07 08 23
Sept. 4		
HH	e(P)	11 15 05
Sept. 4		
EUR	eP	11 41 05
Sept. 4		
TUC	eP	13 02 13
	e	02 27
TUC-T	eP	13 02 12
Sept. 4		
EUR	eP	16 15 21
HH	eP	16 14 49
	i	15 00
Sept. 4		
HH	eP	16 56 42
Sept. 4		
BH	iP	21 59 16D
	iS	22 05 48
BC	eP	22 03 30D
	e	04 46
	e	07 30
BOZ	eP	22 04 01D
	e	04 06

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Date and Station		Phase (GCT)
		h m s
BOZ	e	22 05 18
	e	08 04
BUT	eP	22 04 03D
	e(PP)	06 58
	e	15 00
	e	17 36
COL	e(P)	22 06 06
	eP'	09 52
	ePP	10 50
	e	11 22
	e(S)	18 42
	e	20 47
	eSS	26 20
	e	31 02
	eL	34 42
COLU	eP	22 02 14
	e	02 19
	e	02 53
	e	03 30
EUR	iP	22 03 45D
	e(PKKP)	21 57
	i	22 05
	eP'P'	30 09
	eSKPP'	33 29
	iSKPP'	34 11
HONO	eP	22 05 04
	i	09 12
	eS	15 38
	i	18 10
	iSS	23 41
	eSSS	28 04
	i	31 00
	eL	34 10
HH	eP	22 04 14
	iP	04 16
	ePP	07 55
	ePKKP	21 39
	i	22 27
SLC	eP	22 03 42
	e	03 58
	e	04 35
SJ	iP	22 00 20
	e	04 22
	eL	21 46
UK	eP	22 04 04
	iP	04 09
	iPP	08 04
	eL	34 23
Sept. 4		
EUR	iP	22 05 03
HH	i(P)	22 05 32
	ePKKP	22 58
Sept. 4		
EUR	iP	22 07 45
HH	iP	22 08 15

Date and Station		Phase (GCT)
		h m s
HH	ePKKP	22 25 40
	i	26 22
Sept. 4		
EUR	iP	22 15 26
	i	22 17
Sept. 4		
EUR	eP	22 46 18
HH	e(P)	22 46 12
Sept. 4		
EUR	eP	22 49 53
Sept. 4		
COL	iP	23 22 15
	ipP	24 01
EUR	eP	23 21 54
	epP	23 39
TUC	eP	23 21 55
TUC-T	eP	23 21 56
	epP	23 48
Sept. 4		
EUR	eP	23 31 59
Sept. 4		
EUR	eP	23 36 03
Sept. 5		
EUR	eP	00 00 46
Sept. 5		
COL	iP	00 26 03
Sept. 5		
BUT	eP	03 54 17
EUR	iP	03 53 58
HH	iP	03 54 27
TUC-T	iP	03 53 15
Sept. 5		
COL	iP	05 17 50
Sept. 5		
HH	e(P)	06 19 28
Sept. 5		
BC	e(P)	06 25 17
BOZ	e(P)	06 25 48
BUT	eP	06 25 52
EUR	iP	06 25 33
	i	26 21
HH	e(P)	06 26 02
TUC	eP	06 24 50

Date and Station		Phase (GCT)
		h m s
TUC-T	iP	06 24 50
Sept. 5		
HH	e(P)	07 21 46
Sept. 5		
HH	eP	07 44 17
Sept. 5		
EUR	eP	09 55 39
Sept. 5		
EUR	eP	10 19 25
Sept. 5		
COL	eP	10 52 03
Sept. 5		
BUT	eP	11 09 44
COL	iP	11 06 38
EUR	eP	11 10 01
	i	10 20
	i	11 53
HH	iP	11 09 30
	i	10 01
TUC	iP	11 10 48
	e	10 57
TUC-T	iP	11 10 48
Sept. 5		
COL	ePP	13 20 08
COLU	eP'	13 21 50
EUR	eP'	13 21 11
	ePP	23 31
HH	iP'	13 21 01
TUC	eP'	13 21 34
TUC-T	eP'	13 21 28
	e	31 10
Sept. 5		
EUR	iP	13 24 34
Sept. 5		
BOZ	eP'	13 27 18
COL	eP'	13 25 49
	ePP	26 10
COLU	eP'	13 28 00
EUR	iP'	13 27 20
	ePP	29 40
HH	iP'	13 27 11
TUC	eP'	13 27 38
TUC-T	eP'	13 27 38

Date and Station		Phase (GCT)
		h m s
Sept. 5		
EUR	iP	13 30 39
Sept. 5		
COL	ePP	14 32 30
COLU	eP'	14 34 15
EUR	eP'	14 33 35
	e(PP)	36 58
	i	37 15
HH	iP'	14 33 25
Sept. 5		
COL	eP	15 36 35
Sept. 5		
COL	iP	16 50 30
	i(S)	51 35
	iL	51 44
EUR	eP	16 55 03
HH	eP	16 54 19
Sept. 5		
EUR	eP	17 44 59
Sept. 5		
COL	eP	18 10 24
EUR	iP	18 13 54
Sept. 5		
EUR	eP	19 04 40
TUC	e(P)	19 03 52
Sept. 5		
COL	iP	21 54 57
	i(S)	55 27
	iL	55 33
Sept. 6		
BOZ	e(P)	00 10 50
	e	11 08
Sept. 6		
EUR	eP	00 45 16
Sept. 6		
EUR	eP	03 53 57
Sept. 6		
HH	e(P)	04 23 29
Sept. 6		
EUR	eP	05 47 08
Sept. 6		
EUR	eP	07 09 56
Sept. 6		
EUR	eP	07 41 25
Sept. 6		
BC	e(P)	08 15 05

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Date and Station		Phase (GCT)
		h m s
BC	e	08 15 44
Sept. 6		
HH	i(P)	10 19 49
Sept. 6		
COL	eP	13 06 02
Sept. 6		
COL	eP	13 16 00
Sept. 6		
HH	e(P)	14 00 50
Sept. 6		
HH	eP	14 09 31
Sept. 6		
COL	iP	17 56 12
	i(S)	57 21
	iL	57 32
HH	e(P)	18 00 30
Sept. 6		
COL	iP	20 47 47
	iS	48 43
	iL	48 52
EUR	eP	20 53 19
HH	eP	20 52 23
Sept. 6		
EUR	eP	21 56 19
Sept. 6		
SLC	eP	22 57 30
Sept. 7		
EUR	eP	00 16 19
Sept. 7		
BH	iP	00 26 12
	iS	26 50
EUR	eP	00 33 26
Sept. 7		
HH	e(P)	01 39 48
Sept. 7		
BH	iP	02 49 51
	iS	51 19
COL	eP	02 59 54
EUR	eP	02 57 00
HH	iP	02 57 25
SJ	eP	02 51 19
	e	51 24
	iS	53 36
TUC	eP	02 56 05
TUC-T	eP	02 56 05

Date and Station		Phase (GCT)
		h m s
Sept. 7		
EUR	eP	04 54 44
Sept. 7		
COL	eP	04 56 21
EUR	iP	04 57 19
HH	e(P)	04 57 26
Sept. 7		
EUR	iP	05 27 13
TUC	e(P)	05 26 28
TUC-T	eP	05 26 29
Sept. 7		
EUR	eP	06 21 09
HH	i(P)	06 21 38
TUC	eP	06 20 21
TUC-T	eP	06 20 21
Sept. 7		
COL	eP	10 17 39
EUR	eP	10 20 13
HH	iP	10 19 53
Sept. 7		
EUR	eP	10 27 08
Sept. 7		
COL	eP	11 53 06
EUR	eP	11 52 36
TUC	eP	11 52 37
TUC-T	eP	11 52 37
Sept. 7		
EUR	eP	12 18 25
TUC	e(P)	12 17 16
TUC-T	eP	12 17 16
Sept. 7		
COL	iP	12 48 13
	iS	48 32
	eL	48 46
EUR	eP	12 53 35
HH	iP	12 52 37
	i	52 56
Sept. 7		
TUC-T	eP	14 00 38
Sept. 7		
BH	iP	14 34 20
	iS	35 04

Date and Station		Phase (GCT)
		h m s
HH	eP	14 42 16
Sept. 7		
BC	e(P)	16 15 17
	e	16 03
	eL	17 47
EUR	iP	16 16 20
	e(S)	18 43
	eL	19 20
HH	iP	16 18 06
SLC	eP	16 16 32
	e	18 49
TUC	iP	16 14 33
	i	14 48
	eS	15 38
	iL	15 41
TUC-T	iP	16 14 34
	eL	15 40
Sept. 7		
HH	e(P)	17 37 32
	e	38 25
Sept. 7		
BC	eP	19 01 12
	e	02 39
EUR	eP	19 04 15
Sept. 7		
EUR	iP	22 36 06
HH	eP	22 35 15
	i	35 41
TUC-T	eP	22 37 16
Sept. 7		
HH	iP	23 18 06
Sept. 8		
COL	eP	01 49 05
EUR	eP	01 46 22
HH	i(P)	01 46 54
TUC	eP	01 45 26
TUC-T	eP	01 45 26
Sept. 8		
EUR	eP	03 26 04
HH	eP	03 25 20
Sept. 8		
BC	eP	05 35 45
	epP	35 59
	eP' P'	06 05 10
BOZ	eP	05 35 11
	epP	35 25

Date and Station		Phase (GCT)
		h m s
BUT	iP	05 35 03
	epP	35 17
	ePcP	36 05
COL	iP	05 31 35
	ipP	31 47
	iS	36 20
	e	37 02
	eL	39 52
COLU	eP	05 37 39
	epP	37 55
EUR	iP	05 35 23
	ipP	35 37
	eP' P'	06 04 40
HONO	eP	05 33 54
	iPcP	35 15
	eS	40 33
	eL	44 02
HH	iP	05 34 46
	ipP	35 00
	iPcP	36 13
	eS	42 08
	eP' P'	06 04 57
KIP	eP	05 33 54
	ePP	35 50
	eT	06 06 35
	iT	07 05
SLC	iP	05 35 32
	ipP	35 46
	ePcP	36 12
	eP' P'	06 05 09
SJ	e(P)	05 39 35
	iPP	43 36
SIT	eP	05 32 42
TUC	iP	05 36 17
	ipP	36 32
	eS	45 07
	eL	54 37
	iP' P'	06 05 03
	e	05 44
TUC-T	iP	05 36 17
	ipP	36 32
	e(PP)	39 09
	eS	45 05
	iP' P'	06 05 03
UK	iP	05 34 53
	epP	35 08
WASH	iP	05 37 19
Sept. 8		
BC	eP	07 32 26
Sept. 8		
COL	iP	08 43 17
EUR	iP	08 43 09

Date and Station		Phase (GCT) h m s
HH	e(P)	08 43 34
SLC	e(P)	08 43 26
TUC	eP	08 43 13
	e	43 30
TUC-T	eP	08 43 14
Sept. 8		
EUR	eP	12 56 48
HH	iP	12 56 27
Sept. 8		
TUC	eP	13 20 57
	e	21 43
Sept. 8		
COL	iP	13 46 17
EUR	iP	13 46 01
HH	iP	13 46 27
TUC	eP	13 46 03
TUC-T	iP	13 46 04
Sept. 8		
COL	eP	14 10 54
Sept. 8		
BC	eP	15 05 57
BUT	eP	15 05 29
	epP	05 49
COL	eP	15 02 47
	ipP	03 12
EUR	iP	15 05 40
	ipP	06 01
HH	iP	15 05 16
	ipP	05 36
	isP	05 48
SLC	eP	15 05 51
	epP	06 11
TUC	eP	15 06 21
	epP	06 42
TUC-T	iP	15 06 20
	ipP	06 43
	esP	06 50
Sept. 8		
HH	iP	15 16 21
	i(S)	16 44
	iL	16 52
Sept. 8		
BUT	eP	15 40 19
EUR	eP	15 40 18

Date and Station		Phase (GCT) h m s
HH	iP	15 40 09
TUC-T	eP	15 40 54
Sept. 8		
COL	eP	17 09 05
Sept. 8		
HH	iP	20 12 26
Sept. 8		
BC	eP	22 37 12
BUT	eP	22 37 50
EUR	iP	22 37 31
HH	eP	22 38 01
RC	iP	22 37 26
SLC	eP	22 37 27
SJ	iP	22 34 07
TUC	iP	22 36 48
TUC-T	iP	22 36 47
	e	38 08
UK	eP	22 37 48
Sept. 8		
EUR	iP	23 51 15
Sept. 9		
COL	eP	02 38 51
Sept. 9		
EUR	eP'	04 28 28
HH	eP'	04 28 17
Sept. 9		
COL	iP	05 57 54
Sept. 9		
COL	iP	07 16 07
	i	16 17
Sept. 9		
COL	eP	08 21 41
EUR	e(P)	08 21 28
Sept. 9		
HH	eP	11 04 24
Sept. 9		
EUR	e(P)	11 21 36
SLC	eP	11 21 05
Sept. 9		
BC	iP	11 43 04
BOZ	eP	11 42 36

Date and Station		Phase (GCT) h m s
BUT	eP	11 42 29
COL	iP	11 39 19
EUR	iP	11 42 45
HH	iP	11 42 15
	eP' P'	12 11 35
RC	iP	11 43 10
	e	43 21
	eP' P'	12 11 21
SLC	eP	11 42 55
TUC	iP	11 43 33
TUC-T	iP	11 43 34
	i	43 45
UK	eP	11 42 17
	e	42 27
Sept. 9		
EUR	eP	13 11 18
Sept. 9		
COL	eP	19 55 14
EUR	iP	19 59 02
HH	eP	19 58 25
Sept. 9		
BC	eP	22 32 55
BOZ	eP	22 32 21
BUT	eP	22 32 14
COL	iP	22 28 44
	eS	32 54
	eL	34 42
COLU	eP	22 35 06
EUR	iP	22 32 34
HH	iP	22 31 55
SLC	eP	22 32 43
SJ	eP	22 36 52
TUC	iP	22 33 31
UK	eP	22 32 01
Sept. 10		
EUR	iP	00 00 00
Sept. 10		
EUR	iP	00 05 52
HH	i(P)	00 07 47
Sept. 10		
SLC	eP	00 27 03

Date and Station		Phase (GCT) h m s
SLC	e	00 27 31
Sept. 10		
EUR	eP	01 54 03
Sept. 10		
COL	iP	04 01 49
Sept. 10		
EUR	e(P)	06 16 42
Sept. 10		
EUR	iP	07 19 15
HH	iP	07 19 44
	i	20 00
Sept. 10		
HH	e(P)	08 35 53
Sept. 10		
COL	iP	08 40 32
	iS	41 24
	iL	41 32
Sept. 10		
EUR	eP	08 42 55
HH	i(P)	08 43 24
Sept. 10		
EUR	eP	08 43 27
	e	44 07
HH	iP	08 43 56
Sept. 10		
COL	iP	14 08 05
Sept. 10		
EUR	eP	16 15 18
Sept. 10		
EUR	eP	16 38 10
TUC-T	eP	16 37 14
Sept. 10		
COL	iP	16 46 08
	iS	46 56
	iL	47 05
Sept. 10		
SLC	eP	19 31 24
	e	31 48
Sept. 10		
EUR	eP	21 19 31
HH	eP	21 20 01
Sept. 10		
EUR	eP	21 36 21
HH	e(P)	21 35 41
Sept. 10		
COL	iP	23 23 00

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Date and Station		Phase (GCT)
		h m s
COL	i	23 34 03
HH	iP	23 37 13
	i	41 58
Sept. 11		
BC	eP	00 05 11
BOZ	e(P)	00 06 43
RC	eP	00 06 24
SLC	iP	00 06 54
TUC	iP	00 04 10
	e	06 53
	e	07 37
TUC-T	iP	00 04 10
	e	04 25
	e	08 19
Sept. 11		
COL	iP	00 54 17
EUR	eP	00 57 48
Sept. 11		
BC	eP	01 11 59
BUT	eP	01 12 36
COLU	eP	01 10 45
EUR	iP	01 12 18
HH	iP	01 12 46
RC	iP	01 12 11
SJ	eP	01 08 52
TUC	eP	01 11 34
TUC-T	eP	01 11 34
Sept. 11		
COL	eP	02 14 47
Sept. 11		
HH	e(P)	02 28 32
Sept. 11		
EUR	eP	04 00 56
Sept. 11		
COL	e(P)	04 31 29
Sept. 11		
EUR	iP	06 07 23
HH	iP	06 07 13
Sept. 11		
EUR	eP	06 59 55
Sept. 11		
COL	eP	07 10 07

Date and Station		Phase (GCT)
		h m s
HH	eP	07 12 21
	i	12 24
Sept. 11		
BH	iP	13 27 55
	iS	28 44
BOZ	eP	13 35 20
EUR	eP	13 35 09
HH	iP	13 35 47
RC	e(P)	13 34 42
SLC	eP	13 35 13
TUC-T	eP	13 34 04
Sept. 11		
HH	e(P)	13 41 39
Sept. 11		
COL	iP	14 51 46
	iS	52 08
	iL	52 13
Sept. 11		
TUC-T	eP	15 01 17
Sept. 11		
BUT	eP	18 15 59
COL	iP	18 14 04
	i	14 21
	eS	24 11
	e	24 35
	eSS	29 36
	eL	36 24
EUR	eP	18 16 00
HONO	eP	18 13 23
	eS	22 57
	eSS	27 34
	eL	34 40
HH	eP	18 15 49
KIP	eP	18 13 25
SJ	eP'	18 21 42
Sept. 11		
EUR	eP	18 31 52
Sept. 11		
EUR	eP	19 55 52
Sept. 11		
RC	eP	21 55 22
Sept. 11		
COL	eP	23 50 40
EUR	iP	23 50 44
	i	51 18
TUC-T	eP	23 50 48

Date and Station		Phase (GCT)
		h m s
Sept. 12		
BH	iP	01 16 17
	iS	17 02
HH	e(P)	01 23 38
Sept. 12		
BUT	eP'	05 59 19
COL	eP'	05 57 16
EUR	eP'	05 58 09
TUC-T	eP'	05 58 18
Sept. 12		
EUR	eP	08 00 23
Sept. 12		
COL	iP	10 07 28
Sept. 12		
COL	eP	12 12 40
	i	13 03
	i(S)	13 57
	iL	14 08
Sept. 12		
COL	eP'	14 03 53
HH	e(P')	14 04 48
Sept. 12		
HH	e(P)	15 16 40
Sept. 12		
COL	eP	16 33 08
	i	33 58
Sept. 12		
COL	e(P)	16 50 36
Sept. 12		
COL	iP	18 50 06
EUR	eP	18 48 56
Sept. 12		
EUR	eP	20 38 29
Sept. 12		
EUR	eP	22 37 43
	e	39 32
Sept. 13		
EUR	eP	00 32 43
Sept. 13		
COL	eP	01 34 06
Sept. 13		
COL	eP	03 24 48
Sept. 13		
COL	e(P)	03 48 49
HH	e(P)	03 52 23

Date and Station		Phase (GCT)
		h m s
Sept. 13		
COL	e(P)	04 41 37
Sept. 13		
HH	iP	11 49 46
Sept. 13		
COL	eP	11 56 01
Sept. 13		
COL	eP	15 27 02
Sept. 13		
HH	iP	17 35 18
Sept. 13		
EUR	eP	18 22 02
HH	e(P)	18 21 30
Sept. 13		
EUR	eP	18 26 42
HH	iP	18 26 34
Sept. 13		
HH	eP	23 30 51
	i	31 08
Sept. 14		
COL	eP	02 37 54
Sept. 14		
COL	eP	04 17 35
EUR	eP	04 21 31
Sept. 14		
COL	eP	04 31 46
EUR	eP	04 34 11
Sept. 14		
HH	i(P)	05 37 09
Sept. 14		
EUR	eP	07 35 11
Sept. 14		
COL	iP	08 06 19
	iS	06 47
	iL	06 52
Sept. 14		
COL	iP	08 58 25
EUR	iP	09 01 42
HH	iP	09 01 13
Sept. 14		
BC	eP	14 33 31
	e	33 47
BOZ	eP	14 32 48
	e	33 35
BUT	iP	14 32 43

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

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Date and Station		Phase (GCT)
		h m s
HONO	iS	20 06 16
	iSP	07 08
	i	09 00
	i	10 18
	eL	17 40
HH	iP	19 59 14
	i	20 00 03
	iP'	03 08
	ePP	03 54
	e	05 32
	epPP	05 57
	esPP	07 09
	epPPP	08 36
	eSKS	09 20
	eSP	12 23
	ePKKP	14 01
	iPKKP	14 09
	esSP	16 20
	eP' P'	23 57
KIP	iP	19 56 58
RC	iP'	20 03 24
	iPP	04 58
	epP'	05 58
	eP' P'	23 17
SLC	eP'	20 03 19
SJ	iP'	20 04 32
	i	05 12
SIT	iP	19 58 06
TUC	iP'	20 03 30
	iPP	05 06
	epPP	07 10
	esPP	08 16
	iSKKP	16 40
	e	18 12
	eL	35 32
TUC-T	eP	20 00 09
	iP'	03 29
	ePKKP	13 40
UK	eP'	20 03 07
	ePP	03 43
WASH	iP'	20 03 58
	ipP'	06 26
	epPP	09 02
	isPP	10 04
	e	11 30
	eSKKP	15 35
	eSPP	17 56
	iPPS	19 08
	eSS	23 23
Sept. 16		
HH	iP	00 36 58
	iS	37 06
	iL	37 09
Sept. 16		
HH	eP	00 51 52

Date and Station		Phase (GCT)
		h m s
Sept. 16		
EUR	eP	03 00 34
Sept. 16		
BC	eP	04 03 51
BOZ	eP	04 03 07
BUT	eP	04 03 01
COL	iP	03 59 27
EUR	iP	04 03 28
HH	iP	04 02 41
	ePcP	03 34
RC	eP	04 03 32
SLC	eP	04 03 32
TUC	eP	04 04 22
TUC-T	eP	04 04 21
Sept. 16		
SLC	e(P)	04 46 27
TUC	eP	04 46 55
	e	48 11
Sept. 16		
COL	iP	07 34 31
Sept. 16		
COL	iP	12 58 22
EUR	eP	12 57 49
HH	e(P)	12 58 19
TUC	eP	12 57 47
TUC-T	eP	12 57 48
Sept. 16		
COL	eP	14 34 35
Sept. 16		
COL	eP	14 39 35
Sept. 16		
HH	e(P)	18 16 15
Sept. 16		
COL	eP	23 01 37
EUR	iP	22 59 59
TUC-T	eP	22 59 30
Sept. 16		
BC	e(P)	23 27 43
EUR	iP	23 27 07
	i	27 27

Date and Station		Phase (GCT)
		h m s
Sept. 16		
RC	eP	23 58 56
Sept. 17		
HH	iP	00 01 11
	i	01 29
Sept. 17		
BOZ	e(P)	00 26 25
COL	eP	00 23 14
	eL	25 11
EUR	eP	00 26 56
HH	eP	00 25 49
	eL	31 09
SIT	eP	00 22 29
	eL	23 18
TUC-T	e(P)	00 28 11
Sept. 17		
HH	eP	02 50 39
Sept. 17		
COL	iP	07 21 55
	i(S)	22 57
	iL	23 08
HH	iP	07 25 50
Sept. 17		
BC	eP	12 34 32
BOZ	e(P)	12 34 02
COL	eP	12 30 34
EUR	iP	12 34 10
	i	34 41
HH	iP	12 33 37
RC	iP	12 34 36
	e	34 49
TUC	eP	12 35 04
TUC-T	eP	12 35 04
Sept. 17		
HH	e(P)	13 37 05
Sept. 17		
TUC-T	eP	16 14 28
Sept. 17		
EUR	eP	16 44 58
Sept. 17		
EUR	eP	20 17 43
SIT	iP	20 13 05
	iS	13 12
	iL	13 13

Date and Station		Phase (GCT)
		h m s
Sept. 17		
HH	eP	21 40 45
Sept. 17		
EUR	eP	23 01 41
Sept. 18		
EUR	eP	02 05 23
Sept. 18		
COL	iP'	03 55 21
EUR	eP'	03 54 29
	i	55 53
HH	eP'	03 54 35
	ePP	57 48
Sept. 18		
EUR	eP	04 04 29
Sept. 18		
COL	iP	05 55 52
Sept. 18		
COL	iP	07 03 42
EUR	eP	07 05 04
Sept. 18		
COL	iP	07 55 25
Sept. 18		
RC	eP	09 14 18
Sept. 18		
RC	eP	10 11 17
Sept. 18		
EUR	eP	10 24 11
Sept. 18		
EUR	eP	13 29 53
	i	30 06
Sept. 18		
COL	iP	14 50 09
	iL	51 19
Sept. 18		
BC	eP	14 54 24
BOZ	e(P)	14 54 13
BUT	eP	14 54 19
EUR	eP	14 54 28
HH	iP	14 54 22
	i	55 43
RC	e(P)	14 53 41
	e	53 58
TUC-T	eP	14 54 06
	e	54 15

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Date and Station		Phase (GCT) h m s
Sept. 18		
EUR	eP	15 34 41
Sept. 18		
EUR	iP	20 49 07
Sept. 18		
COL	e(P)	21 04 26
	e	05 02
Sept. 18		
BC	eP	21 34 24
	e	34 29
BOZ	eP	21 35 03
BUT	eP	21 35 09
COLU	eP	21 32 45
EUR	iP	21 34 47
HH	iP	21 35 24
RC	iP	21 34 32
SJ	iP	21 31 03
TUC	eP	21 33 48
TUC-T	iP	21 33 48
	i	33 53
Sept. 18		
HH	i(P)	22 33 28
Sept. 19		
HH	i(P)	01 58 16
Sept. 19		
HH	e(P)	02 20 21
	e(S)	21 25
	eL	21 34
Sept. 19		
COL	eP	06 16 13
Sept. 19		
EUR	iP	07 47 57
TUC	e(P)	07 47 13
Sept. 19		
COL	e(P)	08 25 16
EUR	eP'	08 30 57
Sept. 19		
EUR	eP	10 07 17
Sept. 19		
COL	iP	11 19 46
	e	20 05
Sept. 19		
BC	eP	14 00 29
EUR	eP	14 00 42

Date and Station		Phase (GCT) h m s
Sept. 19		
EUR	eP	14 14 17
Sept. 19		
EUR	eP	17 25 58
HH	iP	17 25 26
	i	25 40
	iPcP	28 02
SJ	eP	17 31 04
TUC	eP	17 27 05
Sept. 19		
SJ	iP	21 40 40
	e	41 10
	e	44 48
Sept. 19		
EUR	iP	23 19 47
	i	20 04
HH	e(P)	23 20 16
RC	eP	23 19 37
Sept. 20		
COL	e(P)	05 29 29
Sept. 20		
EUR	eP	08 43 39
Sept. 20		
BC	eP	10 44 37
BOZ	eP	10 44 20
BUT	e(P)	10 44 27
COL	iP	10 46 16
COLU	eP	10 41 09
EUR	iP	10 44 42
HH	eP	10 44 34
	e(PP)	47 25
RC	iP	10 43 40
SLC	eP	10 44 21
SJ	eP	10 38 30
TUC	iP	10 44 14
TUC-T	e(P)	10 44 15
Sept. 20		
COL	iP	12 09 22
Sept. 20		
BC	eP	12 23 18
BOZ	e(P)	12 24 09
COLU	eP	12 22 33

Date and Station		Phase (GCT) h m s
EUR	iP	12 23 45
HH	iP	12 24 37
RC	eP	12 23 36
	e	24 21
TUC	iP	12 22 30
	i	22 51
	eL	29 29
Sept. 20		
HH	i(P)	13 48 02
Sept. 20		
BC	iP	17 22 47
	e	22 57
	ePP	26 32
BOZ	eP	17 23 02
BUT	eP	17 22 59
	ePP	26 42
COL	iP	17 21 50
	i	22 04
COLU	eP'	17 28 22
EUR	iP	17 22 45
	i	23 50
	ePKKP	39 50
HONO	iP	17 18 51
	i	19 02
	eS	26 10
	i	26 52
	i	30 30
	iL	32 28
	eT	18 14 27
	iT	16 32
HH	iP	17 22 52
	ePP	26 37
	e(SP)	35 41
	ePKKP	39 45
	eP' P'	47 54
KIP	iP	17 18 52
	i	19 07
RC	eP	17 23 27
	ePP	27 24
SLC	eP	17 22 59
SJ	eP'	17 28 44
	i	28 54
	ePP	32 30
TUC	eP	17 23 04
	ePP	26 55
	eL	49 06
Sept. 20		
EUR	iP	17 31 52
Sept. 20		
RC	eP	17 39 24

Date and Station		Phase (GCT) h m s
Sept. 20		
EUR	iP	17 47 22
RC	eP	17 47 45
Sept. 20		
COL	iP	21 19 18
EUR	eP	21 22 54
Sept. 20		
HH	i(P)	21 30 05
Sept. 20		
HH	i(P)	22 18 45
Sept. 20		
EUR	eP	23 39 24
Sept. 21		
HH	e(P)	02 58 37
Sept. 21		
BC	eP	05 57 12
	e	57 25
BOZ	eP	05 56 49
	e	57 03
COL	iP	05 53 51
	i	54 06
EUR	iP	05 56 55
	i	57 09
SLC	eP	05 57 05
	e	57 18
HH	iP	05 56 29
	i	56 42
RC	eP	05 57 19
	i	57 32
TUC	eP	05 57 38
	i	57 51
Sept. 21		
COL	eP	06 08 17
EUR	eP	06 02 49
TUC	eP	06 02 18
Sept. 21		
BC	eP	07 26 23
	e	26 44
	e(S)	27 15
BOZ	e(P)	07 28 09
	e	31 17
EUR	iP	07 26 15
	i	26 28
SLC	eP	07 27 35
	e	28 21

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Date and Station		Phase (GCT)
		h m s
HH	iP	07 28 09
	eL	31 54
RC	eP	07 28 46
TUC	eP	07 27 21
	iL	30 09
UK	eP	07 26 03
	iS	26 45
	eL	26 48
Sept. 21		
COL	eP	09 58 09
Sept. 21		
EUR	iP	10 39 57
Sept. 21		
HH	e(P)	11 21 16
Sept. 21		
BC	eP	13 40 40
	epP	41 19
BOZ	eP	13 41 20
COL	iP	13 41 13
	ipP	41 49
EUR	iP	13 40 46
	ipP	41 24
HH	iP	13 41 16
SLC	eP	13 41 05
TUC	eP	13 40 46
	ipP	41 19
Sept. 21		
SJ	eP	14 09 19
Sept. 21		
EUR	e(P)	14 24 34
Sept. 21		
EUR	eP	15 41 42
Sept. 21		
COL	iP	16 30 35
Sept. 21		
COL	e(P)	17 06 10
EUR	eP	17 09 34
RC	eP	17 10 15
Sept. 21		
TUC	eP	18 09 34
Sept. 21		
EUR	eP	22 35 07
Sept. 21		
COL	iP	22 40 50
EUR	eP	22 43 41

Date and Station		Phase (GCT)
		h m s
TUC	eP	22 44 24
	e	47 34
Sept. 21		
COL	eP	22 53 22
EUR	eP	22 49 04
Sept. 22		
COL	eP	02 39 43
Sept. 22		
BUT	eP	05 53 27
COL	iP	05 56 57
COLU	e(P)	05 52 10
EUR	eP	05 52 50
TUC	eP	05 51 28
	eL	57 26
Sept. 22		
EUR	eP	06 07 15
	i	07 22
	i	08 01
Sept. 22		
BH	iP	06 59 35
	eS	07 00 49
SJ	eP	07 01 02
	e	03 22
TUC	eP	07 05 47
Sept. 22		
COLU	eP'	07 19 07
EUR	eP'	07 18 09
HH	iP'	07 18 12
RC	eP'	07 18 31
Sept. 22		
BC	eP	08 49 12
BOZ	eP	08 49 09
BUT	iP	08 49 03
	e	49 43
COL	iP	08 46 38
	i	46 54
EUR	iP	08 49 07
HH	iP	08 48 51
	ipP	50 51
SLC	iP	08 49 19
SJ	eP'	08 55 45
	e(PP)	58 30
KIP	iP	08 46 27
RC	iP	08 49 34

Date and Station		Phase (GCT)
		h m s
TUC	iP	08 49 43
	iPP	53 23
Sept. 22		
EUR	iP	10 21 13
Sept. 22		
COL	iP	11 45 02
EUR	iP	11 42 01
SJ	eP	11 37 42
	ipP	38 18
HH	iP	11 42 36
	ipP	43 23
RC	eP	11 41 38
TUC	iP	11 41 03
	e	41 21
Sept. 22		
HH	e(P)	12 34 04
Sept. 22		
COL	iP	12 41 59
EUR	eP	12 45 28
HH	i(P)	12 44 56
Sept. 22		
COL	eP	12 57 36
	i	58 01
EUR	eP	13 01 09
	i	01 37
RC	eP	13 02 02
Sept. 22		
COL	eP	14 15 58
Sept. 22		
COL	e(P)	17 24 58
	i	25 06
Sept. 22		
BC	eP	19 18 41C
	e	19 37
BOZ	eP	19 19 30D
	ePKKP	35 45
	e	36 19
BUT	eP	19 19 26C
	e	19 38
COL	eP	19 19 35C
	iP'	23 07
	iPP	23 37
	eSKS	30 07
	e	36 07
	eP' P'	43 40
	eL	52 25
COLU	ePP	19 25 10
	ePKKP	35 11

Date and Station		Phase (GCT)
		h m s
EUR	iP	19 18 57C
	i	19 10
	iPP	22 48
	e	34 50
	iPKKP	36 12
	i	36 50
	e	40 42
	eP' P'	43 56
HONO	eP	19 15 37C
	i	15 48
	i	16 00
	iPcP	16 28
	e(PPP)	19 18
	iS	23 38
	i	26 26
	eL	27 40
HH	eP	19 19 27C
	ePP	23 31
	ePS	32 26
	iPKKP	35 52
	i	36 16
	eP' P'	43 42
KIP	iP	19 15 39D
RC	iP	19 19 45D
	e	22 21
	ePP	23 58
	ePKKP	35 42
	i	36 03
SLC	eP	19 19 13D
	ePP	23 03
SJ	eP'	19 24 30
	ePP	25 44
TUC	iP	19 18 50C
	ePP	22 25
	eS	29 49
	i	31 18
	iPKKP	36 16
	eL	42 14
UK	iP	19 18 39C
WASH	iP'	19 24 31D
	iPP	25 45
Sept. 22		
COL	iP	20 16 56
EUR	iP	20 20 07
HH	iP	20 19 39
RC	eP	20 20 30
Sept. 22		
EUR	eP	21 13 08
Sept. 22		
TUC-T	eP	22 47 34
Sept. 22		
COL	eP	23 04 36

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Date and Station	Phase	Phase (GCT) h m s
EUR	iP	23 04 46
Sept. 22		
BH	iP	23 25 13
	iS	25 48
EUR	eP	23 33 02
Sept. 23		
BOZ	eP	03 52 56
BUT	eP	03 52 47
	e	53 08
EUR	iP	03 51 55
	i	52 59
	iL	53 55
HH	iP	03 52 52
RC	iP	03 54 03
TUC	eP	03 53 36
	i	53 46
UK	iP	03 50 43
	i	50 53
	e(S)	51 04
	eL	51 14
Sept. 23		
BH	iP	04 54 44
	iS	54 54
Sept. 23		
EUR	eP	05 30 53
Sept. 23		
EUR	eP	07 46 25
Sept. 23		
BC	iP	07 55 27
	eS	56 16
	eL	56 40
EUR	iP	07 56 24
	i	57 07
	iL	58 31
TUC	eP	07 55 36
	e	55 57
	e(S)	56 48
	eL	56 51
Sept. 23		
EUR	eP	08 11 25
Sept. 23		
HONO	eP	08 46 26
Sept. 23		
COL	iP	09 01 43
	eS	01 56
	iL	02 0[illegible]
Sept. 23		
EUR	eP	18 06 50
Sept. 23		
EUR	eP	20 11 04
Sept. 23		
HH	e(P)	23 01 22
	e	02 14
Sept. 23		
EUR	eP	23 24 09
	eL	25 20
HH	eP	23 23 43
	e(S)	24 37
	eL	24 45
Sept. 24		
COL	iP	03 16 03
	e(S)	17 26
	eL	17 50
Sept. 24		
BC	eP	03 50 23
BOZ	eP	03 49 29
	e	49 57
	eL	58 47
BUT	eP	03 49 20
	e	49 38
	eS	53 58
	eL	56 12
COL	iP	03 45 38
	iL	47 10
COLU	eP	03 52 54
	e	53 19
EUR	eP	03 49 52
	i	50 17
HONO	e(P)	03 52 02
	eS	58 12
	i	59 46
	eL	04 02 02
HH	iP	03 48 53
	i	49 10
	i	49 57
	eS	53 06
	iS	53 18
	eL	55 15
KIP	eP	03 51 50
	eT	04 33 14
	iT	33 27
RC	eP'	03 50 15
	e	50 25
	eL	59 56
SJ	eP	03 55 48
	e	56 31
SIT	e(P)	03 45 34
	e	45 47
	eL	46 55
TUC	eP	03 51 11
	e	51 18
	i	51 43
	eS	57 05
	eL	04 00 28
TUC-T	eP	03 51 12
WASH	i(P)	03 52 57
	ePPP	54 48
	eL	04 03 07
Sept. 24		
HH	eP	04 48 18
Sept. 24		
EUR	iP	11 37 09
Sept. 24		
COL	e(P)	14 08 50
EUR	iP	14 05 38
HH	e(P)	14 06 08
RC	eP	14 05 32
TUC-T	eP	14 04 55
Sept. 24		
HONO	eP	22 21 05
KIP	e(P)	22 21 01
Sept. 24		
HH	eP	23 26 15
Sept. 25		
COL	iP	07 05 19
	epP	06 12
EUR	e(P)	07 07 47
	eP'	11 50
HH	iP	07 07 05
RC	eP'	07 11 22
TUC	e(P')	07 12 55
TUC-T	eP'	07 12 38
	e	13 02
Sept. 25		
BH	iP	07 27 38
	iS	33 41
BC	eP	07 31 37
	ePP	34 33
BOZ	eP	07 31 27
	e	32 27
	e	33 15
BUT	eP	07 31 31
	e	33 30
COL	eP	07 33 04
	eS	44 04
	e	46 35
	eSS	50 00
	eSSS	53 44
	eL	57 00
COLU	eP	07 28 30
	eS	35 27
EUR	iP	07 31 43
	i	32 37
HH	iP	07 31 37
	i	31 46
	ePP	34 24
KIP	ePP	07 39 43
	ePS	48 53
	iPS	49 09
	iSS	55 24
	eL	08 08 12
RC	eP	07 30 46
	iP	30 48
	e	37 51
	eL	53 18
	eP'P'	59 32
	eSKPP'	08 02 58
SLC	e(P)	07 31 24
	eP	31 27
	ePP	33 40
SJ	eP	07 25 56
	eS	31 10
	eL	36 10
SIT	eP	07 32 48
TUC	iP	07 31 17
	ePPP	35 34
	eS	40 42
	eL	48 28
TUC-T	iP	07 31 16
	i	31 18
	eP'P'	59 21
UK	eP	07 32 18
WASH	iP	07 28 26
	i	29 27
	e(PP)	30 35
	eS	35 15
	e	36 56
	eScS	38 24
	eL	40 02
Sept. 25		
COL	iP	08 06 33
COLU	eP	08 00 02
	e	03 21
EUR	eP	08 04 01
HH	iP	08 04 08

Date and Station		Phase (GCT)
		h m s
SJ	iP	07 55 46
	iS	55 58
	eL	56 00
Sept. 25		
TUC-T	eP	08 31 01
Sept. 25		
EUR	eP	09 29 59
Sept. 25		
COL	eP	15 11 21
Sept. 25		
EUR	eP	15 28 50
Sept. 25		
EUR	eP	15 32 32
RC	eP	15 32 38
TUC-T	e(P)	15 31 51
Sept. 25		
EUR	eP	17 03 58
HH	i(P)	17 01 31
Sept. 25		
EUR	iP	17 54 12
HH	iP	17 55 01
RC	eP	17 54 00
TUC-T	iP	17 52 59
Sept. 25		
BC	eP	20 36 19
BOZ	eP	20 37 10
BUT	eP	20 37 13
COLU	eP	20 36 10
EUR	iP	20 36 40
HH	iP	20 37 24
RC	iP	20 36 58
	i	37 08
SLC	eP	20 36 43
	e	38 33
SJ	eP	20 35 12
TUC	eP	20 35 53
TUC-T	iP	20 35 54
UK	eP	20 36 48
Sept. 25		
EUR	iP	21 09 08
TUC-T	eP	21 09 02

Date and Station		Phase (GCT)
		h m s
Sept. 25		
HH	i(P)	22 29 34
Sept. 25		
SJ	iP	22 35 12
RC	eP	22 42 26
Sept. 25		
EUR	iP	23 18 09
TUC-T	e(P)	23 18 04
Sept. 25		
EUR	eP	23 59 06
Sept. 26		
EUR	iP	00 12 32
TUC	eP	00 12 45
TUC-T	eP	00 12 39
Sept. 26		
COL	iP	00 38 15
Sept. 26		
BC	e(P)	08 50 31
	e	51 26
	e	51 50
EUR	eP	08 51 32
Sept. 26		
COL	e(P)	11 47 28
EUR	iP	11 45 54
Sept. 26		
EUR	iP	13 30 20
Sept. 26		
BC	eP	18 18 49
BOZ	eP	18 18 22
COL	eP	18 15 09
EUR	iP	18 18 25
HH	iP	18 17 56
RC	eP	18 19 07
SLC	eP	18 18 40
TUC	iP	18 19 26
TUC-T	iP	18 19 26
Sept. 26		
EUR	eP	18 44 12
Sept. 26		
EUR	iP	22 16 10
Sept. 26		
HH	i(P)	22 21 48

Date and Station		Phase (GCT)
		h m s
Sept. 26		
EUR	e(P)	23 39 49
HH	e(P)	23 40 05
Sept. 27		
BOZ	eP	03 25 58
EUR	eP	03 27 08
HH	eP	03 26 44
	i	26 56
	iL	28 00
RC	eP	03 27 17
	e	28 25
Sept. 27		
HH	iP	05 14 11
Sept. 27		
EUR	iP	06 00 11
HH	iP	06 00 42
TUC	eP	05 59 20
	e	59 37
TUC-T	eP	05 59 20
Sept. 27		
TUC-T	eP	06 22 06
Sept. 27		
BOZ	eP'	07 55 23
COL	eP'	07 54 39
EUR	iP'	07 55 22
	iPP	58 43
HH	iP'	07 55 14
	i	55 30
RC	eP'	07 55 31
	ePP	58 19
	i	58 58
TUC	eP'	07 55 32
	ePP	58 27
TUC-T	eP'	07 55 28
	e	55 36
	ePP	58 28
Sept. 27		
EUR	eP	10 44 17
Sept. 27		
COL	eP	10 49 43
EUR	eP	10 51 22
	e	51 25
HH	eP	10 50 20
Sept. 27		
BC	eP	11 34 04

Date and Station		Phase (GCT)
		h m s
BC	e	11 34 49
EUR	eP	11 34 57
	e(S)	36 51
	eL	37 12
HH	e(P)	11 37 04
TUC	eP	11 33 36
	e	33 49
	e(S)	34 22
	eL	34 27
Sept. 27		
BUT	eP	12 48 50
COL	eP	12 45 58
EUR	iP	12 48 54
HH	eP	12 48 31
RC	eP	12 49 20
	e	49 36
TUC	e(P)	12 49 46
TUC-T	eP	12 49 36
	e	49 46
Sept. 27		
BC	eP	14 06 37
BOZ	eP	14 07 19
COL	iP	14 07 12
	e	07 30
	epP	07 44
EUR	iP	14 06 44
	ipP	07 21
HH	iP	14 07 14
	ePKKP	25 39
	iP'P'	33 50
KIP	iP	14 02 25
	ipP	03 01
RC	eP	14 07 38
TUC	iP	14 06 44
	epP	07 24
TUC-T	iP	14 06 45
	epP	07 16
UK	eP	14 06 17
	ipP	06 53
Sept. 27		
COL	e(P)	16 31 51
Sept. 27-		
EUR	iP	22 40 30
HH	iP	22 41 22

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Date and Station		Phase	(GCT) h m s
RC	e(P)		22 40 41
	e		41 34
TUC	iP		22 39 15
	e		40 24
	eL		46 12
TUC-T	iP		22 39 15
	eL		46 09
Sept. 28			
SLC	eP		00 16 07
Sept. 28			
HH	iP		06 09 33
	iL		10 00
Sept. 28			
BOZ	eP		07 35 34
	eL		36 11
BUT	eP		07 35 15
	eS		35 32
	eL		35 37
EUR	e(P)		07 37 37
	eL		39 16
HH	iP		07 34 57
	iS		35 07
	iL		35 11
RC	e(P)		07 37 15
	eL		39 06
Sept. 28			
HH	iP		10 35 42
	iS		35 52
	iL		35 54
Sept. 28			
COL	iP		12 48 53
Sept. 28			
COL	eP		13 02 38
	ipP		03 06
EUR	e(P)		13 03 41
Sept. 28			
COLU	eP		15 41 36
Sept. 28			
COL	eP		21 02 38
	i		03 04
EUR	iP		21 05 36
	i		06 04
HH	iP		21 05 11
	i		05 39
RC	eP		21 06 27
TUC	eP		21 06 16
TUC-T	eP		21 06 16
	e		06 45

Date and Station		Phase	(GCT) h m s
Sept. 29			
BOZ	eP		00 16 20
BUT	eP		00 16 12
COL	iP		00 16 13
EUR	eP		00 15 40
TUC	eP		00 15 40
	e		16 12
TUC-T	iP		00 15 41
Sept. 29			
EUR	eP		01 07 29
Sept. 29			
BH	iP		02 28 08
	iS		28 31
Sept. 29			
HONO	iP		06 48 50
	iS		49 20
	iL		49 27
KIP	iP		06 48 50
	iS		49 20
	iL		49 23
Sept. 29			
SJ	iP		07 55 20
	eS		55 42
	eL		55 44
Sept. 29			
HH	i(P)		08 42 24
Sept. 29			
BC	e(P)		08 55 42
	e		56 59
BUT	e(P)		08 55 39
	e		57 00
HH	e(P)		08 57 40
Sept. 29			
COL	eP		10 06 29
Sept. 29			
COL	eP		11 46 29
EUR	eP		11 38 12
TUC	eP		11 36 28
	e		37 21
	e		39 05
TUC-T	eP		11 36 29
	e		39 07
Sept. 29			
BC	eP		14 05 30
EUR	eP		14 05 42
	i		05 54
	i		06 22

Date and Station		Phase	(GCT) h m s
RC	eP		14 07 32
TUC-T	e(P)		14 07 29
	e		08 20
Sept. 29			
EUR	eP		14 17 22
	i		19 33
Sept. 29			
BC	eP		14 29 00
	e		29 10
BUT	eP		14 28 31
	e		28 41
COL	iP		14 25 36
EUR	iP		14 28 43
	i		28 53
HH	iP		14 28 17
	i		28 27
RC	eP		14 28 18
SLC	e(P)		14 29 03
TUC	e(P)		14 29 38
TUC-T	eP		14 29 27
	i		29 38
Sept. 29			
BH	eP		14 38 17
	iS		39 10
Sept. 29			
COL	eP		15 24 23
EUR	eP		15 27 19
HH	eP		15 26 54
Sept. 29			
EUR	eP		17 19 08
HH	eP		17 19 34
TUC-T	iP		17 18 19
Sept. 29			
EUR	e(P)		18 51 04
Sept. 29			
SLC	e(P)		21 54 25
Sept. 29			
COL	iP		22 27 33
EUR	e(P)		22 31 07
Sept. 30			
COLU	eP		00 20 27
Sept. 30			
HONO	eP		01 27 20

Date and Station		Phase	(GCT) h m s
Sept. 30			
HH	e(P)		03 03 27
Sept. 30			
EUR	e(P)		05 00 54
Sept. 30			
EUR	eP		05 16 57
HH	i(P)		05 17 33
TUC	eP		05 16 05
	e		16 41
TUC-T	eP		05 16 04
	e		16 40
Sept. 30			
COL	eP		07 21 15
EUR	e(P)		07 23 08
	e(P')		26 28
	ePP		27 36
HH	eP'		07 26 29
TUC	e(P')		07 28 46
TUC-T	e(P)		07 23 22
	ePP		27 23
Sept. 30			
EUR	eP		07 38 32
Sept. 30			
HH	iP		08 54 42
	i		54 55
EUR	e(P)		08 55 01
Sept. 30			
EUR	e(P)		08 57 46
HH	eP		08 56 59
TUC	e(P)		08 58 11
TUC-T	eP		08 58 07
Sept. 30			
EUR	iP		09 00 15
TUC-T	eP		09 00 18
Sept. 30			
EUR	eP		09 45 01
Sept. 30			
EUR	iP		10 06 00
HH	iP		10 04 59
Sept. 30			
EUR	eP		12 58 06

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Date and Station	Phase (GCT)
	h m s
Local and Minor Earthquakes	
Sept.	
BOZ	
28	07.5
Sept.	
BUT	
5	00.2
9	11.0
	11.3
16	04.6
28	06.1
	07.6
	11.3
30	18.3
Sept.	
COL	
4	07.1
	11.6
5	12.1
	16.3
6	16.6
	23.6
7	22.5
9	09.7
11	04.5
15	14.2
	15.3
17	03.6
	10.8
23	03.7
25	09.8
	10.3
	15.6
26	09.1
	14.4
30	07.6
	11.4
	13.4
Sept.	
EUR	
5	16.3
8	07.5
13	08.0
	11.5
16	04.8
20	16.3
22	10.4
28	20.6
Sept.	
HONO	
6	01.7
8	17.0
9	01.4
12	20.1
	20.2 (3)
20	0[illegible].3
Sept.	
KIP	
6	01.6
8	17.0
9	01.4
20	00.3

Date and Station	Phase (GCT)
Sept.	h m s
SJ	
2	22.3
8	06.9
18	11.4
25	18.8
28	11.7
29	18.4
Sept.	
TUC	
1	00.4
	17.5
2	08.0
	10.1
	19.4
3	13.4
4	05.1
7	16.3
	17.0
	17.8
	19.0
	22.2
8	00.9
9	09.6
10	08.7
11	00.6
	00.7
	07.0
12	03.2
13	01.2
	13.6
14	02.9
	03.5
16	01.5
17	01.2
18	10.5
	17.0
21	16.2
	21.9
22	00.6
26	06.5
	08.8
27	10.3
	10.4
	11.7
	12.0
	12.1
	12.2
	13.7
	14.2
30	05.0
Sept.	
UK	
1	10.1
	20.1

Date and Station	Phase (GCT)
	h m s

Date and Station	Phase (GCT)
	h m s

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