USCGS
·40

COAST & GEODETIC SURVEY
LIBRARY & ARCHIVES

1956

SEISMOLOGICAL BULLETIN

August, 1956

MSI - 188

CONTENTS

List of stations 1
Provisional epicenters 2
Seismogram interpretations 5
Local and minor earthquakes 20

U. S. DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

FOR OFFICIAL DISTRIBUTION

National Oceanic and Atmospheric Administration

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This has been a co-operative project between the NOAA Central Library and the Climate Database Modernization Program, National Climate Data Center (NCDC). To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or Library.Reference@noaa.gov

HOV Services
Imaging Contractor
12200 Kiln Court
Beltsville, MD 20704-1387
March 4, 2011

The instrumental results of the following stations are tabulated in this report.

**Balboa Heights, C. Z. (BH)
The Panama Canal Co.
*Boulder City, Nev. (BC)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
**Burlington, Vt. (BUR)
University of Vermont
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and
U. S. Weather Bureau
College, Alaska (COL)
*Columbia, S. C. (COLU)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Philadelphia, Pa. (PHIL)
The Franklin Institute
**Rapid City, S. Dak. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitude Observatory
Washington, D. C. (WASH)

*Indicates a station maintained by a local institution in cooperation with the Coast and Geodetic Survey.
**Indicates a station operating on an independent basis.
Other stations are observatories of the Coast and Geodetic Survey.

All seismogram interpretations are made or revised at Washington except those for Balboa Heights.
All magnitude determinations are by Pasadena unless otherwise stated. Minor earthquakes are listed at the end of the bulletin.

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

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

Date 1956	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	° '	° '	
1	01 48 20*	66 N.	133-1/2 W.	Yukon, Canada.
1	06 44 00*	28-1/2 S.	71-1/2 W.	Central Chile foreshock.
1	06 57 09*	28-1/2 S.	71-1/2 W.	Central Chile.
1	17 32 57*	14-1/2 S.	173-1/2 W.	Samoa Islands.
1	20 28 26*	18-1/2 N.	71 W.	Dominican Republic.
2	07 11 20*	5 N.	75-1/2 W.	Central Colombia. Felt at Chinchina and Pereira. h about 200 km.
2	07 18 15*	43-1/2 N.	146 E.	Off coast of Hokkaido, Japan. h about 60 km.
4	06 10 05*	21 S.	71 W.	Near coast of northern Chile. Felt at Antofagasta.
4	09 48 45*	5 S.	153 E.	New Britain. Felt at Rabaul. h about 60 km. Mag. 6-1/4 - 6-1/2.
4	10 00 25*	5 S.	152 E.	New Britain. Felt at Rabaul.
4	11 22 30**			100 miles off north coast of Puerto Rico.
5	09 09 12*	41 N.	144 E.	Off east coast of Hokkaido, Japan.
6	17 22 45*	26-1/2 N.	127 E.	Ryukyu Islands.
7	00 29 53*	22-1/2 N.	93-1/2 E.	Burma. h about 150 km.
7	04 05 52*	44-1/2 N.	115 W.	Western Idaho.
8	23 02 10*	32 N.	67 E.	Southern Afghanistan.
9	03 04 16*	18-1/2 S.	179 E.	Fiji Islands. h about 500 km.
9	07 19 15**			Central Chile.
9	09 35 38*	20 S.	168 E.	Loyalty Islands region.
9	17 00 57*	12 N.	86 W.	Near coast of Nicaragua.
9	21 45 42*	31-1/2 S.	178 W.	Kermadec Islands.
9	23 00 42*	15 S.	176 W.	Samoa Islands region. Felt at Apia. h about 250 km. Mag. 6-3/4.
10	02 17 11*	10 N.	84-1/2 W.	Costa Rica.
10	15 24 37**			Fiji Islands region.
11	23 54 16*	51-1/2 N.	175-1/2 E.	Rat Islands, Aleutian Islands. h about 100 km.
12	00 25 42*	19 S.	176 W.	Tonga Islands. h about 200 km.
12	05 40 07**			Northern New Britain. Felt at Rabaul. h about 150 km.
12	16 59 33*	34 N.	138 E.	Near south coast of Honshu, Japan. Mag. 6-1/2 - 6-3/4.
13	09 07 38*	28-1/2 S.	176 W.	Kermadec Islands region.
14	02 50 30**			Prince Edward Islands region, South Indian Ocean.
14	11 47 53**			Kermadec Islands region.
14	23 34 33*	19-1/2 S.	179 W.	Fiji Islands. h about 550 km.
15	05 20 37*	0	101-1/2 E.	Sumatra. h about 300 km.
15	10 51 19*	1/2 S.	123 E.	Northern Celebes. h about 150 km.
15	12 02 54*	43-1/2 N.	16-1/2 E.	Near coast of Yugoslavia. Felt at Zagreb, Zadar, Split, Knin, and Snij.

Date 1956	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	° '	° '	
15	13 11 45*	45 N.	151 E.	Kurile Islands foreshock.
15	13 12 10*	46 N.	151 E.	Kurile Islands. Mag. 6-1/4.
15	21 28 50*	45-1/2 N.	151 E.	Kurile Islands aftershock.
16	00 38 30**			About 100 miles off south coast of Greece.
16	02 09 39*	37 N.	8-1/2 W.	Near southwest coast of Portugal. Slight damage at Sagres.
16	08 10 25*	51 N.	176 W.	Andreanof Islands, Aleutian Islands.
17	01 23 10*	54 N.	35 W.	North Atlantic Ocean.
17	01 59 37*	54-1/2 N.	36 W.	North Atlantic aftershock.
17	05 53 25*	7 S.	80 W.	Near coast of Peru.
17	09 15 06**			About 300 miles off coast of Oregon.
17	14 15 53*	4 S.	151-1/2 E.	New Britain region. Felt at Rabaul.
17	15 10 13*	4 S.	151-1/2 E.	New Britain aftershock.
18	00 52 16*	44 N.	115-1/2 W.	Idaho.
19	05 17 43*	21-1/2 S.	179 W.	Fiji Islands region. h about 150 km.
19	08 48 57*	20 S.	176 W.	Tonga Islands. h about 100 km.
20	05 33 47*	7-1/2 N.	80 W.	Near south coast of Panama. Felt at Balboa Heights.
20	07 06 20*	7-1/2 N.	80 W.	Panama aftershock. Felt at Balboa Heights.
20	07 19 59*	7-1/2 N.	80 W.	Do.
20	09 43 50*	13-1/2 N.	91-1/2 W.	Off coast of Guatemala. h about 100 km.
21	11 26 01*	49-1/2 N.	156 E.	Kurile Islands.
22	11 26 06**			New Hebrides.
22	17 12 54**			Molucca Passage.
22	19 40 15**			Northern Assam.
23	13 04 06*	54 N.	162-1/2 W.	Unimak Island region.
23	13 48 30*	15 S.	68 W.	Bolivia. Felt at LaPaz. h about 100 km. Mag. 6-1/4.
23	22 05 08**			Near east coast of Honshu, Japan.
23	23 20 20*	27 N.	101-1/2 E.	Szechwan Province, China.
23	23 59 31*	10 S.	124 E.	Timor Island.
24	00 03 10*	57 N.	163 E.	Near east coast of Kamchatka.
24	03 50 54*	45-1/2 N.	152 E.	Kurile Islands.
24	04 27 33*	53 N.	172-1/2 E.	Near Islands, Aleutian Islands. Mag. 6-1/2.
24	04 50 00*	53-1/2 N.	172-1/2 E.	Near Islands aftershock.
24	04 59 16*	48-1/2 N.	157 E.	Kurile Islands.
24	08 27 42*	21 S.	169 E.	Loyalty Islands.
24	08 41 30*	54 N.	162 E.	Kamchatka.
24	19 14 55*	52 N.	170-1/2 W.	Fox Islands, Aleutian Islands.
25	00 22 44*	2 N.	129 E.	Halmahera Island region.

Date 1956	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	° '	° '	
25	15 57 43*	31-1/2 N.	115-1/2 W.	Baja California. Felt at San Diego. Mag. 4.9.
25	19 33 45*	52-1/2 N.	172-1/2 E.	Near Islands aftershock.
25	22 03 28*	12 S.	166-1/2 E.	Santa Cruz Islands. h about 200 km.
26	16 48 20*	52-1/2 N.	172-1/2 E.	Near Islands aftershock.
27	15 37 23**			Near Dagestan A.S.S.R.
27	18 01 01*	64 N.	150 W.	Central Alaska. h about 60 km.
28	01 29 43*	41-1/2 N.	30-1/2 E.	Near northwest coast of Turkey.
28	09 49 13*	23-1/2 S.	180	Tonga Islands region. h about 600 km.
29	03 04 32*	54 N.	160 E.	Near east coast of Kamchatka.
30	04 24 24*	54 N.	164 W.	Unimak Island, Aleutian Islands. Mag. 6.
30	05 24 52*	41 N.	126-1/2 W.	Off coast of northern California. Mag. 5-1/2 (Berk).
31	00 11 46**			Solomon Islands. Felt at Buin. h about 100 km.
31	18 22 53*	13 S.	77 W.	Near coast of Peru. h about 60 km.
31	22 03 23*	15-1/2 N.	147-1/2 E.	Marianas Islands foreshock.
31	23 06 38*	15-1/2 N.	147-1/2 E.	Marianas Islands region.

Date and Station		Phase (GCT) h m s
Aug. 1		
COL	eP	01 49 50
EUR	eP	01 54 14
HH	eP	01 52 55
	eS	56 40
	eL	58 23
SIT	e(P)	01 50 30
	eS	52 12
	iL	52 35
Aug. 1		
COL	eP	01 57 38
Aug. 1		
COL	iP	03 08 08
Aug. 1		
COL	iP	04 04 27
Aug. 1		
COL	eP	05 14 19
Aug. 1		
BC	iP	06 55 49
BOZ	iP	06 56 25
COLU	eP	06 54 27
EUR	iP	06 56 09
	i	56 34
HH	eP	06 56 40
RC	eP	06 56 03
SLC	eP	06 56 04
SJ	eP	06 52 33
TUC	eP	06 55 21
Aug. 1		
BC	iP	07 08 58
BOZ	iP	07 09 33
BUT	eP	07 09 39
COLU	iP	07 07 35
EUR	iP	07 09 18
	e	09 36
	i	10 17
HH	iP	07 09 49
RC	iP	07 09 10
SLC	iP	07 09 12
SJ	eP	07 05 42
	e	07 34
TUC	iP	07 08 29

Date and Station		Phase (GCT) h m s
Aug. 1		
EUR	eP	07 36 09
Aug. 1		
COL	eP	08 00 26
Aug. 1		
SJ	e(P)	08 56 07
Aug. 1		
COL	iP	09 46 14
Aug. 1		
EUR	iP	12 15 54
	e	16 19
TUC	eP	12 15 56
Aug. 1		
BUT	eP	12 56 46
Aug. 1		
EUR	eP	13 05 11
Aug. 1		
COL	eP	13 28 38
Aug. 1		
EUR	eP	14 03 54
Aug. 1		
COL	iP	14 41 49
EUR	iP	14 42 15
Aug. 1		
COL	eP	15 38 00
	e	38 42
Aug. 1		
BC	iP	17 44 39
	i	44 49
BOZ	e(P)	17 45 21
BUT	eP	17 45 16
COL	iP	17 45 17
	i	45 28
EUR	iP	17 44 46
HH	eP	17 45 17
RC	eP	17 45 41
	i	45 52
SLC	eP	17 45 06
TUC	eP	17 44 46
Aug. 1		
COL	eP	18 09 52
Aug. 1		
COL	eP	19 09 51

Date and Station		Phase (GCT) h m s
Aug. 1		
COL	eP	19 14 38
Aug. 1		
EUR	eP	20 22 53
Aug. 1		
COL	i(P)	20 36 56
Aug. 1		
BC	eP	20 36 22
BOZ	eP	20 36 26
BUT	eP	20 36 35
COL	iP	20 39 24
COLU	iP	20 32 29
	eS	35 38
	eL	36 05
EUR	iP	20 36 36
	i	36 44
	i	37 08
	i	37 42
	iPP	38 24
	i(PKKP)	59 25
HH	iP	20 36 48
RC	iP	20 35 37
SLC	eP	20 36 14
SJ	iP	20 29 42
	iS	30 41
	iL	31 10
Aug. 1		
EUR	eP	20 57 43
Aug. 1		
EUR	iP	21 38 28
Aug. 1		
EUR	iP	21 54 18
Aug. 1		
EUR	iP	22 22 53
Aug. 2		
EUR	eP	01 13 51
HH	e(P)	01 14 39
Aug. 2		
EUR	eP	01 23 13
Aug. 2		
COL	eP	03 21 49
Aug. 2		
BH	iP	07 12 33
	iS	13 30
BC	iP	07 19 41

Date and Station		Phase (GCT) h m s
BUT	eP	07 20 15
COL	eP	07 23 03
COLU	iP	07 17 12
	e(S)	22 10
	esS	23 04
	eL	25 06
EUR	iP	07 20 01
	i	20 17
	e	20 26
	iPP	22 06
HH	eP	07 20 31
	ePP	22 30
RC	iP	07 19 27
SLC	eP	07 19 46
SJ	iP	07 15 02
	i	15 43
	e	16 05
	iS	17 56
	eL	18 44
TUC	iP	07 19 03
	e(pP)	19 31
Aug. 2		
EUR	iP	07 25 06
	i	25 54
Aug. 2		
BC	iP	07 29 36
	i	29 40
	i	30 05
BUT	eP	07 29 05
COL	iP	07 26 01
	ipP	26 17
COLU	eP	07 31 18
EUR	iP	07 29 18
	ipP	29 35
	iPP	31 51
HH	iP	07 28 50
	ipP	29 08
RC	iP	07 29 42
SLC	eP	07 29 28
SIT	iP	07 27 02
TUC	eP	07 30 05
	epP	30 22
Aug. 2		
BUT	iP	12 40 43
	iS	40 58
	iL	41 02
EUR	eP	12 43 43

B-4297-4

Date and Station		Phase (GCT) h m s
HH	eP	12 41 29
	eL	42 16
Aug. 2		
EUR	eP	16 25 28
	i	25 39
	i	25 44
	iS	26 25
	iL	26 43
Aug. 2		
EUR	eP	17 04 12
	iP	04 15
	e	04 29
HH	e(P)	17 05 13
Aug. 2		
COL	eP	19 19 50
Aug. 2		
EUR	eP	19 46 18
Aug. 2		
COL	eP	20 15 19
	iP	15 22
	eS	25 55
	eL	42 00
EUR	iP	20 14 53
	e	15 38
	e	16 07
HH	e(P)	20 15 26
TUC	eP	20 14 54
Aug. 2		
EUR	eP	21 03 29
Aug. 2		
EUR	eP	22 23 19
Aug. 2		
EUR	e(P)	22 40 57
Aug. 3		
BC	iP	04 29 26
	i(S)	30 10
	iL	30 23
EUR	eP	04 29 56
	i	30 25
	i	30 44
	iS	31 28
	iL	31 51
TUC	eP	04 28 56
	e	29 10
	e(S)	30 00
	iL	30 15
Aug. 3		
BC	eP	07 43 33
COL	iP	07 39 39
EUR	eP	07 43 10
	i	43 16

Date and Station		Phase (GCT) h m s
EUR	e	07 43 38
	e	44 20
	ipP	44 59
HH	eP	07 42 38
RC	eP	07 43 45
TUC	eP	07 44 09
Aug. 3		
COL	eP	16 35 31
	iP	35 32
	i	35 41
EUR	iP	16 39 04
	i	39 13
	i	40 02
Aug. 3		
COL	iP'	17 57 31
	i	57 41
EUR	eP'	17 56 36
	e	56 41
	e	56 59
HH	eP'	17 56 44
SJ	iP	17 50 03
Aug. 3		
EUR	eP	18 23 49
	e	24 43
Aug. 3		
EUR	e(P)	19 06 19
Aug. 4		
EUR	iP	06 21 41
	i	21 50
HH	eP	06 22 09
RC	eP	06 21 28
SJ	e(P)	06 17 40
TUC	eP	06 20 54
Aug. 4		
TUC	eP	06 30 36
Aug. 4		
EUR	iP	07 56 58
Aug. 4		
BC	iP	10 02 10
	i	02 24
	iPP	05 57
BOZ	iP	10 02 23
BUT	eP	10 02 19
	eSKKS	12 57
	iS	13 14
	eSS	18 57
	eSSS	23 54
	eL	29 01

Date and Station		Phase (GCT) h m s
COL	iP	10 01 06
	ipP	02 04
COLU	iP'	10 07 42
	eSKKS	15 06
	eS	16 34
	ePS	19 14
	eL	42 10
EUR	iP	10 02 07
	ipP	03 06
	iPP	05 54
	ePKKP	19 15
	e(SKPP')	30 01
HH	iP	10 02 13
	ePP	06 05
	eP'P'	27 19
RC	eP	10 02 50
	ePP	07 07
SJ	eP'	10 08 15
SLC	eP	10 02 23
	ePP	06 25
SIT	iP	10 01 21
	e	02 22
	e	04 37
	eS	11 44
	iS	12 02
	eL	26 09
TUC	eP	10 02 27
	ePP	06 25
Aug. 4		
COL	eP	10 07 44
	i	07 56
Aug. 4		
COL	iP	10 12 47
EUR	iP	10 13 50
	e	14 01
HH	e(P)	10 13 52
Aug. 4		
COLU	eP	11 27 03
	e(S)	30 20
EUR	eP	11 31 53
	ePcP	32 59
HH	e(P)	11 31 09
RC	e(P)	11 30 03
SJ	iP	11 22 56
	iL	23 48
Aug. 4		
BC	iP	13 38 32
	i	39 17
COL	iP	13 34 23
	i	34 36

Date and Station		Phase (GCT) h m s
COL	i	13 34 51
	i	35 24
EUR	iP	13 38 13
	i	38 22
	ipP	38 42
	i	39 07
	e	40 21
HH	iP	13 37 35
	i	38 47
RC	iP	13 38 37
SLC	iP	13 38 24
TUC	iP	13 39 08
Aug. 4		
EUR	eP	13 56 59
Aug. 4		
COL	eP	14 59 52
EUR	eP	15 02 40
Aug. 4		
EUR	iP	15 28 08
	i	28 14
	ipP	28 23
Aug. 4		
EUR	iP	16 29 52
Aug. 4		
EUR	eP	17 11 53
	i	12 03
Aug. 4		
EUR	eP	17 16 43
HH	e(P)	17 16 20
Aug. 4		
EUR	eP	17 36 28
Aug. 4		
EUR	eP	17 45 01
Aug. 4		
EUR	iP	18 57 09
Aug. 4		
BUT	eP	21 07 38
Aug. 4		
EUR	eP	22 04 12
Aug. 4		
EUR	iP	22 30 17
	i	30 26
	ipP	30 33
SLC	eP	22 26 24
Aug. 5		
EUR	eP	02 54 27

B-4297-4

Date and Station		Phase (GCT) h m s
Aug. 5		
BH	eP	04 06 26
EUR	iP	04 13 36
Aug. 5		
BH	eP	04 40 37
	eS	41 24
Aug. 5		
COLU	iP'	05 53 31
EUR	iP'	05 52 48
HH	eP'	05 52 40
Aug. 5		
EUR	eP	06 00 52
Aug. 5		
EUR	eP	07 06 02
Aug. 5		
EUR	eP	07 23 46
Aug. 5		
EUR	iP	09 20 35
	i	20 43
	e	20 48
	i	21 17
HH	e(P)	09 20 09
RC	eP	09 21 01
Aug. 5		
BH	eP	12 48 40
	iS	49 24
Aug. 5		
EUR	eP	16 04 32
Aug. 5		
EUR	eP	17 43 11
Aug. 5		
EUR	iP	19 43 26
	e	43 37
	e(pP)	44 17
SLC	eP	19 43 44
Aug. 5		
BUT	eP	21 29 40
Aug. 5		
EUR	iP	23 35 11
	e(pP)	35 31
Aug. 6		
EUR	eP	00 43 25
Aug. 6		
EUR	iP	01 02 43
	iS	03 04
	iL	03 08
Aug. 6		
HH	e(P)	03 18 39

Date and Station		Phase (GCT) h m s
Aug. 6		
EUR	eP	06 20 06
Aug. 6		
RC	eP	07 15 30
Aug. 6		
EUR	eP	07 29 19
Aug. 6		
BC	iP	13 22(21)
	i	22(42)
BOZ	e(P)	13 25 37
COLU	eP	13 21 05
EUR	iP	13 22 50
	i	23 08
	i	25 29
	e	26 00
HH	eP	13 25 46
RC	e(P)	13 25 24
SLC	eP	13 22 39
	e	25 26
TUC	eP	13 21 39
Aug. 6		
EUR	e(P)	14 57 13
	iP	57 28
HH	e(P)	14 57 04
RC	eP	14 57 39
	e	57 54
Aug. 6		
EUR	eP	16 48 16
Aug. 6		
BOZ	e(P)	17 35 54
COL	eP	17 33 23
EUR	iP	17 35 56
	i	36 11
HH	eP	17 35 36
	e	35 51
Aug. 6		
EUR	eP	17 39 53
Aug. 6		
EUR	eP	19 57 06
	e	57 15
	e	57 22
Aug. 6		
COL	eP	21 54 14
Aug. 6		
RC	iP	22 13 02
	i	14 47

Date and Station		Phase (GCT) h m s
Aug. 7		
BOZ	eP	00 35 19
	e	37 06
	eL	38 16
Aug. 7		
EUR	ePP	00 49 14
HH	e(PP)	00 48 19
Aug 7		
BUT	eP	03 25 20
	iL	25 52
HH	e(P)	03 26 34
Aug. 7		
EUR	eP	04 06 51
SLC	e(P)	04 06 46
Aug. 7		
BOZ	eP	04 06 44
	e	06 51
	eS	07 30
	iL	07 35
BUT	iP	04 06 33
	iS	07 08
	iL	07 13
EUR	eP	04 07 07
	e	07 45
	eS	07 52
	iL	08 22
HH	iP	04 06 57
	iS	07 46
	iL	08 01
RC	eP	04 08 02
	eL	10 14
SLC	eP	04 07 03
	iP	07 10
	eS	07 39
	e	07 53
	eL	08 02
Aug. 7		
EUR	iP	05 04 31
	i	04 58
HH	eP	05 03 36
Aug. 7		
EUR	eP	07 04 34
Aug. 7		
EUR	iP	14 27 24
Aug. 7		
HONO	iP	17 04 39
	iS	05 02
	eL	05 25

Intensity III-IV Oahu and parts of Molokai and Maui.

Date and Station		Phase (GCT) h m s
Aug. 7		
BUT	eP	21 00 55
Aug. 7		
EUR	iP	21 05 21
Aug. 7		
EUR	e(P)	22 13 17
Aug. 7		
BOZ	e(P)	23 40 04
Aug. 8		
EUR	iP	02 38 51
TUC	eP	02 38 50
Aug. 8		
SLC	eP	05 12 20
Aug. 8		
EUR	iP	05 26 47
HH	eP	05 25 57
Aug. 8		
BC	eP	05 53 22
	i(S)	54 05
	iL	54 50
EUR	eP	05 54 19
	e	55 16
	e(S)	55 51
	eL	56 36
TUC	eP	05 53 02
	i	53 09
	e(S)	53 46
	iL	53 56
Aug. 8		
HH	e(P)	06 12 33
Aug. 8		
EUR	eP	07 39 34
Aug. 8		
BOZ	e(P)	07 42 47
	e	42 55
EUR	eP	07 41 49
	i	42 07
	e	42 25
HH	e(P)	07 43 21
RC	e(P)	07 42 35
	e	43 32
TUC	e(P)	07 40 07
	e	42 28
Aug. 8		
EUR	eP	07 45 13
Aug. 8		
BH	eP	09 32 27

Date and Station		Phase (GCT)
		h m s
Aug. 8		
EUR	eP	18 41 29
Aug. 8		
EUR	eP	21 17 01
Aug. 8		
COL	e(P)	23 14 23
Aug. 8		
EUR	iP	23 45 55
HH	iP	23 46 26
RC	eP	23 45 45
TUC	eP	23 45 03
	e	46 06
Aug. 9		
BC	iP	00 10 13
	i(S)	11 09
	iL	12 19
EUR	iP	00 10 21
	i	10 40
	eS	11 21
	eL	11 41
Aug. 9		
BOZ	eP	03 16 26
	ePP	20 04
BUT	eP	03 16 22
COL	iP	03 16 14
EUR	eP	03 15 55
	i	16 15
	i	16 30
	i	19 16
HH	iP	03 16 23
TUC	iP	03 15 57
	i	16 03
Aug. 9		
HH	eP	03 50 02
Aug. 9		
EUR	eP	07 31 30
	i	31 41
	i	32 04
HH	e(P)	07 32 01
	e	32 13
RC	eP	07 31 23
	e	31 34
SJ	e(P)	07 27 57
TUC	eP	07 30 53
Aug. 9		
COL	eP	09 48 47

Date and Station		Phase (GCT)
		h m s
EUR	iP	09 48 52
	e(PP)	53 49
HH	e(P)	09 49 19
TUC	eP	09 48 57
Aug. 9		
EUR	eP	10 30 09
Aug. 9		
EUR	eP	12 15 10
Aug. 9		
SLC	eP	12 39 52
Aug. 9		
EUR	eP	15 25 59
Aug. 9		
TUC	eP	16 59 46
Aug. 9		
BH	eP	17 02 39
BOZ	eP	17 08 35
	ePcP	10 37
BUT	eP	17 08 43
	ePcP	10 40
COLU	iP	17 06 05
	e(S)	10 29
	eL	11 45
EUR	eP	17 08 21
	i	08 37
HH	eP	17 09 01
	ePcP	10 46
RC	eP	17 07 58
SLC	eP	17 08 08
	ePcP	10 25
SJ	eP	17 05 36
TUC	eP	17 07 15
WASH	eP	17 06 55
	i	07 02
	eL	17 38
Aug. 9		
HH	e(P)	19 12 15
Aug. 9		
EUR	e(P)	20 17 12
	iP	17 31
Aug. 9		
HH	eP	20 47 09
	i	47 19
Aug. 9		
EUR	iP	21 16 12

Date and Station		Phase (GCT)
		h m s
Aug. 9		
EUR	eP	21 34 24
HH	eP	21 34 02
Aug. 9		
EUR	eP	21 58 50
TUC	eP	22 56 45
Aug. 9		
BC	iP	23 12(10)C
BOZ	iP	23 12 49D
	epP	13 55
	esP	14 32
	ePP	16 08
	eS	22 48
	eSS	28 24
	ePKKP	31 00
	eL	37 05
	eP'P'	39 08
BUT	iP	23 12 45C
	ipP	13 53
	iPP	16 03
	iS	22 41
	iPS	24 15
	iSS	28 23
	e	29 25
	eSSS	32 06
	eL	36 43
	i(SKPP')	42 40
COL	eP	23 12 42C
	iP	12 44C
	ipP	13 51C
	i	13 57C
	e	15 47
	iS	22 33
	iSP	23 27
	i	23 33
	eSS	28 23
	eL	33 25
COLU	e(P)	23 14 14C
	epP	15 22
	eP'	18 15
	iPP	18 24
	esPP	20 19
	iSKS	24 25
	iSKKS	25 04
	iS	25 34
	e	26 04
	esS	27 35
	ePPS	28 32
	ePKKP	30 13
	i	30 41
	eSS	32 19
	e	34 32
	eSSS	36 24
	eP'P'	38 27
	eL	46 38
EUR	iP	23 12 15C
	ipP	13 25C
	isP	14 08
	iPP	15 17

Date and Station		Phase (GCT)
		h m s
EUR	e	23 18 27
	eS	21 45
	ePKKP	30 16
	eP'P'	39 02
	iP'P'	39 17
	eSKPP'	43 02
HONO	iP	23 08 03C
	ipP	08 58
	iS	13 52
	eL	17 08
T_S = 9 sec. A = 4 mm.		
T_L = 12 sec. $A_{max.}$ = 4 mm.		
HH	iP	23 12 46C
	i	13 13
	epP	13 56
	ePP	16 03
	e	17 00
	iS	22 42
	ePKKP	31 00
	eP'P'	39 04
	e	40 26
	eSKPP'	42 34
RC	eP	23 13 10C
	ipP	14 17
	i	14 39
	e(PP)	16 38
	eS	23 17
	eSP	24 39
	ePKKP	30 38
	e	36 03
	iSKPP'	42 07
SLC	eP	23 12 33D
	ipP	13 41
	eS	22 11
	eL	34 26
	eP'P'	39 11
SJ	eP'	23 18 51C
	ePKKP	29 42
SIT	iP	23 12 27C
	ipP	13 29
	isP	14 10
	ePP	15 26
	ePPP	17 22
	iS	22 05
	iSeS	22 27
	e	23 20
	e	24 23
	eL	32 30
TUC	iP	23 12 17C
	ipP	13 26
	e	14 29
	epPP	16 32
	iS	21 49
	iSeS	22 12
	eL	34 08
	eP'P'	39 21
	iSKPP'	42 29

Date and Station		Phase	(GCT) h m s
UK		iP	23 11 49
		ipP	12 58
		eS	20 56
		eL	31 06
WASH		epP	23 15 36
		iPP	18 54C
		esPP	20 34
		eSKS	25 01
		iPS	27 50
		eSS	34 18
		i	37 04
		e(P'P')	38 09
		eL	44 21
Aug. 10			
EUR		eP	00 38 59
Aug. 10			
EUR		eP	01 27 34
Aug. 10			
EUR		eP	01 51 52
		e	52 52
Aug. 10			
BH		iP	02 18 24
BOZ		eP	02 25 09
		ePcP	27 02
BUT		ePcP	02 27 06
COLU		eP	02 22 32
EUR		eP	02 24 56
		e	25 23
HH		eP	02 25 35
		iPcP	27 13
RC		eP	02 24 32
		e	24 43
		ePP	26 12
		iPcP	26 46
SLC		eP	02 24 53
		ePcP	26 52
SJ		eP	02 21 41
TUC		eP	02 23 51
		e	24 04
		ePcP	26 33
Aug. 10			
EUR		iP	04 23 08
		epP	23 30
HH		e(P)	04 23 01
Aug. 10			
EUR		eP	04 32 09
		e	32 26
Aug. 10			
COL		eP	07 12 05
HH		iP	07 11 16

Date and Station		Phase	(GCT) h m s
Aug. 10			
EUR		eP	07 48 00
Aug. 10			
HH		e(P)	08 00 21
Aug. 10			
HH		e(P)	08 51 27
Aug. 10			
BOZ		e(P)	09 30 04
EUR		iP	09 29 38
HH		e(P)	09 29 37
RC		eP	09 31 18
Aug. 10			
EUR		eP	11 36 37
HH		e(P)	11 35 04
		e	35 32
		eL	39 20
SIT		eP	11 32 26
		iP	32 28
		iS	32 45
		iL	32 57
Aug. 10			
BUT		eP	13 49 41
EUR		eP	13 45 52
HH		e(P)	13 48 16
		e	50 22
TUC		eP	13 48 20
		e	50 33
Aug. 10			
EUR		eP	14 09 04
Aug. 10			
COL		e(P)	15 37 16
EUR		eP	15 36 50
		i	36 58
HH		eP	15 37 14
RC		eP	15 37 46
Aug. 10			
EUR		iP	19 39 11
		i	39 25
HH		e(P)	19 39 50
		e	41 36
Aug. 10			
EUR		iP	20 41 53
		i	41 57
		i	42 26
Aug. 10			
EUR		eP	20 51 59

Date and Station		Phase	(GCT) h m s
Aug. 10			
EUR		eP	21 34 35
HH		e(P)	21 34 05
Aug. 10			
EUR		eP	22 10 57
		e	11 03
HH		eP	22 07 01
Aug. 10			
EUR		eP	22 30 52
		e	31 02
RC		e(P)	22 31 27
Aug. 11			
EUR		eP	02 21 56
		e	23 35
Aug. 11			
EUR		eP	03 36 28
Aug. 11			
HH		e(P)	05 02 00
Aug. 11			
EUR		eP	07 37 49
Aug. 11			
HH		e(P)	07 56 19
Aug. 11			
BOZ		eP	13 25 17
COLU		eP	13 22 57
		i	23 12
		i	23 21
EUR		eP	13 25 00
HH		eP	13 25 43
		e	26 04
Aug. 11			
EUR		e(P)	17 08 12
Aug. 11			
EUR		eP	19 41 50
		e	42 46
Aug. 11			
EUR		eP	20 04 49
Aug. 11			
EUR		eP	20 48 17
Aug. 11			
HH		i(P)	21 06 07
Aug. 11			
HH		e(P)	21 36 59
		eL	38 06
Aug. 11			
HH		e(P)	21 53 41

Date and Station		Phase	(GCT) h m s
Aug. 11			
EUR		eP	22 21 50
		e	22 07
Aug. 11			
SLC		eP	22 55 43
Aug. 11			
HH		iP	23 00 54
		iS	01 17
		iL	01 19
Aug. 11			
COL		eP	23 59 15
		eS	00 03 22
		i	03 39
		eL	04 18
COLU		eP	00 05 31
EUR		iP	00 02 47
HH		eP	00 02 20
		iPcP	04 03
		eScP	07 53
SJ		eP	00 07 19
SIT		e(P)	00 00 18
TUC		eP	00 03 47
Aug. 11			
COLU		eP	23 58 21
		e(S)	00 03 21
		eL	03 41
EUR		eP	00 01 11
		e	01 31
HH		e(P)	00 01 46
		e	02 10
TUC		e(P)	00 00 06
WASH		eP	23 59 24
Aug. 12			
BUT		eP	00 38 07
		ipP	39 04
COL		eP	00 38 06
		ipP	39 04
		eS	48 24
		e	51 47
		eL	01 03 52
EUR		eP	00 37 38
		i	37 54
		ipP	38 33
HH		iP	00 38 08
		epP	39 07
		eS	48 18
RC		iP	00 38 30
		epP	39 27

B-4297-4

Date and Station		Phase (GCT)
		h m s
SLC	eP	00 37 55
	epP	38 50
SIT	eP	00 37 50
TUC	eP	00 37 38
	ipP	38 31
Aug. 12		
EUR	iP	00 02 47
Aug. 12		
COL	e(P)	05 28 14
Aug. 12		
COL	eP	05 44 51
Aug. 12		
COL	eP	05 52 13
EUR	iP	05 53 17
HH	iP	05 53 23
Aug. 12		
COL	eP	06 01 58
Aug. 12		
COL	eP	06 06 47
Aug. 12		
HH	e(P)	12 10 25
Aug. 12		
COL	eP	13 50 56
COLU	e(P)	13 45 51
EUR	iP	13 49 39
HH	eP	13 49 45
Aug. 12		
COL	eP	16 55 37
EUR	eP	16 58 19
HH	iP	16 57 59
Aug. 12		
BOZ	e(P)	17 11 37
	eS	21 37
	eL	32 29
BUT	eP	17 11 31
	iP	11 35
	i	12 22
	eS	21 28
	eScS	22 31
	e	23 36
	eSS	27 24
	eL	32 18
COL	iP	17 08 50
	e	09 21
	ePP	11 04
	ePPP	12 11
	iS	16 19
	e	17 21

Date and Station		Phase (GCT)
		h m s
COL	e(SS)	17 19 54
	eL	21 07
COLU	e(P)	17 17 04
	ePP	17 27
	e	18 38
	e(SKS)	24 34
	eS	25 14
	ePS	26 52
	ePPS	27 30
	eSS	32 26
	eSSS	36 10
	eL	42 16
EUR	eP	17 11 40
	i	12 05
	i	12 26
	e(S)	21 27
HONO	eS	17 17 18
	eL	25 12
HH	eP	17 11 19
	ePP	14 20
	eS	21 01
RC	eP	17 12 08
SLC	eP	17 11 50
	iP	11 53
	i	12 33
SIT	eP	17 09 46
	iPcP	10 29
	ePP	12 05
	ePPP	13 23
	eS	17 54
	eScS	19 42
	eSS	22 40
	eL	24 25
TUC	eP	17 12 23
UK	eP	17 11 18
	e	12 07
WASH	ePP	17 17 34
Aug. 12		
SLC	eP	17 24 37
Aug. 12		
HH	eP	19 54 38
Aug. 12		
EUR	eP	20 46 36
Aug. 12		
COL	eP	21 27 01
EUR	iP	21 25 16
	i	25 23
HH	e(P)	21 24 46
	e	28 15
RC	eP	21 26 31
TUC	e(P)	21 27 05

Date and Station		Phase (GCT)
		h m s
Aug. 13		
BH	iP	00 42 23
	iS	42 32
Aug. 13		
BH	eP	02 04 56
EUR	iP	02 11 59
Aug. 13		
COL	iP	02 08 09
	e	08 27
Aug. 13		
BOZ	eP	07 16 31
BUT	eP	07 16 36
COL	eP	07 20 07
EUR	eP	07 15 35
	i	16 00
HH	eP	07 16 58
RC	eP	07 16 21
TUC	eP	07 14 03
	e	14 16
	e(S)	17 02
	eL	18 38
Aug. 13		
BUT	eP	09 21 06
COL	eP	09 21 07
EUR	eP	09 20 33
	e	20 36
RC	eP	09 21 23
SLC	eP	09 20 50
TUC	eP	09 20 29
Aug. 13		
EUR	eP	09 39 00
Aug. 13		
HH	iP	12 53 08
Aug. 13		
EUR	iP	13 12 50
Aug. 13		
SLC	eP	17 15 46
Aug. 13		
EUR	eP	18 33 23
	e	33 35
Aug. 13		
EUR	eP	20 57 55
Aug. 13		
EUR	eP	23 49 31

Date and Station		Phase (GCT)
		h m s
Aug. 14		
EUR	eP	00 59 03
	i	59 17
Aug. 14		
EUR	eP	01 07 12
	e	08 36
Aug. 14		
EUR	iP	02 01 50
Aug. 14		
BC	iP'	03 09 55
BOZ	iP'	03 10 04
	i	10 17
	i	10 25
BUT	eP'	03 10 07
COL	ePP	03 15 20
	e	16 44
	eSKS	19 02
	e	23 37
	e(SS)	35 40
	eSSS	41 26
	eL	48 22
COLU	eP'	03 09 24
EUR	eP'	03 09 57
	i	10 26
	i	10 59
	iPP	13 43
HH	eP'	03 10 03
	ePP	14 09
RC	iP'	03 09 49
SLC	eP'	03 09 56
	iP'	09 59
	i	10 54
TUC	eP'	03 09 44
	e	10 19
	e	12 03
UK	eP'	03 10 17
Aug. 14		
EUR	eP	05 34 47
Aug. 14		
EUR	eP	11 00 10
	e	00 19
HH	eP	11 00 06
RC	eP	10 59 26
Aug. 14		
EUR	iP	12 01 06
	e	01 08
	i	01 21
TUC	eP	12 01 02

B-4297-4

Date and Station		Phase	(GCT) h m s
Aug. 14			
RC		eP	12 50 46
Aug. 14			
COLU		eP'	13 02 50
EUR		iPP	13 05 28
		e	05 40
HH		iP'	13 02 00
TUC		ePP	13 05 58
Aug. 14			
BOZ		eP	13 22 45
Aug. 14			
HH		e(P)	13 54 23
Aug. 14			
SJ		eP	14 59 09
Aug. 14			
COL		e(P)	16 45 02
		e	47 13
Aug. 14			
COL		eP	17 34 25
Aug. 14			
EUR		iP	18 08 25
Aug. 14			
COL		eP	19 15 01
		iP	15 06
Aug. 14			
EUR		iP	21 36 16
Aug. 14			
EUR		eP	22 02 49
Aug. 14			
SIT		eP	22 30 18
		e	30 40
Aug. 14			
EUR		iP	23 18 31
		e	21 10
Aug. 14			
BOZ		eP	23 46 32
		e(PP)	50 11
COL		iP	23 46 27
		eS	56 27
EUR		iP	23 46 03
		iPP	49 30
HH		eP	23 46 33
		epP	48 35
		ePP	50 11
TUC		iP	23 46 06
Aug. 15			
EUR		eP	01 43 42
Aug. 15			
HH		e(P)	02 36 56
Aug. 15			
BOZ		iP'	05 39 10
		epP'	40 27
		ePP	41 11
BUT		eP'	05 39 09
		e(sP')	40 52
		i(SKP)	41 50
COL		e(P)	05 33 50
		ePP	37 56
		esPP	39 41
		eSKS	43 52
		eS	44 42
		esS	46 55
		ePPS	47 51
		e	49 54
		eSS	51 46
		eL	06 01 12
COLU		iP'	05 39 48
		ipP'	41 04
		i	42 56
EUR		iP'	05 39 11
		ipP'	40 25
		iSKP	41 59
		i	42 13
		iSKKP	52 06
		i	52 26
HH		eP'	05 39 03
		ipP'	40 20
		e	41 00
		e(SKKS)	47 11
		ePKKP	48 56
		iSKKP	52 13
RC		eP'	05 39 21
		iSKP	42 15
SLC		eP'	05 39 17
		iSKP	42 08
SJ		eP'	05 40 05
		i	40 39
		e	44 18
SIT		eS	05 46 02
		eSS	53 31
		eL	06 04 36
TUC		i(PP)	05 42 31
Aug. 15			
EUR		eP	07 36 55
Aug. 15			
COL		eP	08 44 36
Aug. 16			
HH		e(P)	09 35 25
Aug. 15			
BO		iP'	11 10(01)
BOZ		eP	11 06 01
		iP'	09 49
		iPP	10 45
		iPKKP	20 33
BUT		eP	11 05 55
		eP'	09 47
		iPP	10 37
		ipPP	11 02
		iSKS	16 23
		i(SKKS)	17 28
		eS	18 16
		e	20 30
		iPKKP	20 39
		eSS	26 17
		eSSS	30 25
		eL	37 04
COL		eP	11 04 05
		iP	04 06
		ipP	04 43
		isP	05 00
		i	07 14
		i	07 38
		ePP	07 51
		epPP	08 21
		eSKS	14 17
		iSKS	14 23
		iS	14 47
		esS	15 20
		ePS	16 12
		e	18 04
		eSS	20 24
		eSSS	25 30
		eL	29 42
COLU		eP'	11 10 30
		ipP'	11 10
		ePP	13 15
EUR		iP	11 05 52
		i	06 05
		iP'	09 34
		i	09 45
		iPP	10 36
		iPKKP	20 28
		i	20 35
HONO		iP	11 03 18
		ipP	04 06
		eSKS	13 12
		iSKS	13 18
		e	16 22
		eL	27 16
HH		eP	11 05 46
		iP'	09 43
		i	10 16
		iPP	11 15
		isPP	11 42
		eSKS	16 14
		e(SKKS)	17 15
		eP'P'	31 18
RC		eP	11 06 28
		iP'	10 00
		epP'	10 30
		ePP	11 24
		ePKKP	20 09
SLC		e(P)	11 06 06
		eP'	09 53
		ipP	10 37
		iPP	10 57
		eSKS	16 37
		e	17 50
		ePKKP	20 23
		ePS	20 48
		eSS	26 54
		eL	40 36
SJ		iP'	11 11 07
		i	11 33
		ipP'	11 45
		ePP	15 28
SIT		iP	11 04 39
		ipP	05 11
		i	05 25
		iPP	08 34
		iSKS	15 05
		iS	15 51
		eSP	16 40
		ePS	17 21
		esSS	22 21
		e(SSS)	24 39
		eL	31 18
TUC		iP'	11 09 56
		iPP	11 20
		ePKKP	20 09
UK		eP'	11 09 37
		ePP	10 11
Aug. 15			
COLU		iP	11 09 11
SJ		iP	11 06 35
		i	06 59
Aug. 15			
BOZ		iP	12 15 06
BUT		eP	12 15 08
COL		iP	12 14 18
		e	14 28
COLU		eP	12 14 24
EUR		iP	12 15 39
		i	16 15
HH		iP	12 15 00
RC		eP	12 14 54
SLC		eP	12 15 29
		e	16 04
SJ		eP	12 14 25
SIT		eP	12 14 54
TUC		eP	12 16 02

B 4767-61

Date and Station		Phase (GCT) h m s
Aug. 15		
RC	eP	13 14 11
Aug. 15		
COL	eP	13 19 04
EUR	iP	13 22 22
HH	eP	13 21 58
RC	e(P)	13 22 53
Aug. 15		
BOZ	iP	13 22 45
	iS	31 15
	eL	43 19
	eP'P'	51 32
BUT	eP	13 22 39
	i	23 39
	eS	31 05
	i	32 32
	eSS	35 20
	eL	39 20
COL	iP	13 19 30
	e	20 04
	e	20 22
	ePP	21 13
	iS	25 17
	i	25 34
	eL	27 59
COLU	iP	13 25 04
EUR	iP	13 22 48
	iPP	25 18
	eP'P'	51 28
	eSKPP'	56 04
HH	eP	13 22 24
	eS	30 40
	eScS	32 14
	eP'P'	51 46
RC	iP	13 23 20
	e	24 31
	eP'P'	51 26
SLC	eP	13 23 04
	eS	31 58
	eScS	33 02
	eSS	36 10
	eL	40 04
	eP'P'	51 36
SIT	iP	13 20 32
	iPP	22 15
	iS	27 11
	i	27 35
	eL	30 25
TUC	eP	13 23 43
	eS	33 09
UK	eP	13 22 27
Aug. 15		
HH	e(P)	14 51 01

Date and Station		Phase (GCT) h m s
Aug. 15		
EUR	iP	15 12 42
	i	12 52
HH	eP	15 12 12
Aug. 15		
COL	iP	15 37 29
	e	38 21
EUR	iP	15 36 44
	e	36 53
HH	e(P)	15 37 03
Aug. 15		
EUR	eP	16 58 52
	i	59 06
Aug. 15		
EUR	iP	17 50 03
	i	50 10
Aug. 15		
BC	i(P)	18 21 47
	iP	22 14
Aug. 15		
RC	e(P)	18 43 02
Aug. 15		
BC	e(P)	21 39(48)
BUT	eP	21 39 33
COL	eP	21 36 11
	iP	36 22
EUR	eP	21 39 31
	i	39 59
HH	eP	21 39 06
	i	39 17
RC	eP	21 40 12
Aug. 15		
EUR	eP	22 57 02
	epP	57 50
TUC	eP	22 56 21
	i	23 01 10
Aug. 16		
EUR	iP	00 27 56
	ipP	28 13
HH	eP	00 27 32
Aug. 16		
EUR	e(P)	00 52 09
HH	iP	00 51 25
	i	52 02
Aug. 16		
EUR	iP	02 21 42
	iPP	24 40

Date and Station		Phase (GCT) h m s
HH	eP	02 21 03
RC	eP	02 20 40
TUC	eP	02 21 49
Aug. 16		
EUR	eP	06 23 55
Aug. 16		
BC	eP	08 19(19)
COL	eP	08 15 31
	eS	18 38
	iS	18 58
	eL	20 33
EUR	eP	08 18 20
	ipP	18 38
	iPcP	20 31
HH	eP	08 17 55
	e	20 13
	iPcP	20 20
RC	eP	08 19 10
SLC	eP	08 18 52
SJ	eP	08 23 15
SIT	eP	08 15 59
TUC	eP	08 19 26
	e	19 40
Aug. 16		
EUR	e(P)	19 06 47
Aug. 16		
HH	e(P)	19 34 36
Aug. 16		
EUR	eP	22 44 47
Aug. 17		
RC	eP	00 21 08
Aug. 17		
EUR	eP	00 53 31
	e	57 22
Aug. 17		
BUT	eP	01 31 52
	eL	48 36
EUR	iP	01 32 37
	i	32 47
	i(PP)	35 39
HH	e(P)	01 31 16
	eP	31 55
	e	32 23
	ePcP	33 04
	ePP	34 17
PHIL	eS	01 34 26
	eL	39 02

Date and Station		Phase (GCT) h m s
TUC	eP	01 32 54
	e(PP)	35 57
Aug. 17		
EUR	eP	02 09 00
	iP	09 05
HH	eP	02 08 08
Aug. 17		
HH	iP	04 26 34
	iS	26 53
	iL	26 54
Aug. 17		
COL	eP	04 36 52
HH	e(P)	04 38 00
Aug. 17		
COL	eP	06 06 28
EUR	eP	06 03 15
	i	03 28
HH	e(P)	06 03 54
RC	eP	06 03 15
SJ	iP	05 59 25
	i	59 50
TUC	e(P)	06 02 16
	e	02 29
Aug. 17		
EUR	eP	08 48 25
Aug. 17		
BC	eP	09 08 02
COL	e(P)	09 09 57
EUR	iP	09 07 18
	i	07 29
HH	eP	09 07 18
RC	eP	09 09 02
Aug. 17		
EUR	eP	09 10 30
Aug. 17		
BC	eP	09 18 32
BOZ	eP	09 18 18
BUT	eP	09 18 05
	e(S)	20 31
	eS	21 04
	eL	21 43
COL	e(P)	09 20 10
EUR	iP	09 17 54
	i	18 11

S-4297-4

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

B-4297-4A

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

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

B-4297-4

Date and Station		Phase (GCT)
		h m s
Aug. 24		
BC	iP	04 36 44
BOZ	eP	04 36 15
	iP	36 18
	i	36 30
	eS	43 16
	eL	49 08
BUT	eP	04 36 07
	i	36 21
	ePP	38 06
	iPPP	38 47
	eS	42 56
	eScS	45 54
	eL	47 26
CHI	eP	04 38 04
	iS	46 34
	eScS	47 55
	e	50 44
	eL	53 35
COL	eP	04 32 39
	iP	32 43
	eS	36 38
	iS	36 42
	iL	37 11
COLU	iP	04 39 01
	eS	48 24
	iS	48 25
	eScS	49 20
	eL	57 08
EUR	iP	04 36 22
	iPcP	37 36
HONO	iP	04 35 03
	eS	40 50
	eL	44 10
HH	iP	04 35 50
	e(PcP)	37 53
	ePPP	38 15
	eS	42 26
	eScS	45 45
PHIL	eP	04 38 50
	iS	48 03
	e	51 36
	e(SS)	53 06
	eL	56 18
RC	iP	04 36 57
	iS	44 29
	eScS	46 54
	eL	50 21
SLC	eP	04 36 34
	i	36 49
	i	36 59
	i(PcP)	38 00
	i(PPP)	39 11
	eS	43 51
	iScS	46 29
	eL	49 09

Date and Station		Phase (GCT)
		h m s
SJ	iP	04 40 47
	e(PP)	44 18
	e	51 05
	eS	51 50
	ePS	53 01
	eSS	58 05
	eL	05 05 25
SIT	eP	04 33 41
	iP	33 43
	iPP	34 49
	ePcP	36 27
	iS	38 39
	eL	39 42
TUC	iP	04 37 23
	i	37 42
	eS	45 21
	eL	51 07
UK	eP	04 35 51
	iP	35 53
	i	36 06
	i	36 31
	eS	42 32
	eL	45 50
WASH	eP	04 38 49
	ePPP	43 13
	eS	48 08
	eSS	52 16
	e	53 07
	eSSS	56 31
	ePKKP	58 47
	eP'P'	05 06 45
Aug. 24		
BOZ	eP	04 58 41
COL	iP	04 55 08
COLU	eP	05 01 28
EUR	iP	04 58 48
	i	59 14
HH	iP	04 58 14
	ePP	05 00 00
RC	eP	04 59 22
SLC	eP	04 59 02
TUC	iP	04 59 47
Aug. 24		
BOZ	iP	05 09 18
COL	iP	05 05 53
EUR	iP	05 09 24
HH	iP	05 08 54
RC	iP	05 09 54
SLC	eP	05 09 35
TUC	eP	05 10 18

Date and Station		Phase (GCT)
		h m s
Aug. 24		
BUT	eP	07 45 12
Aug. 24		
EUR	eP	08 38 28
Aug. 24		
BC	iP	08 40 55
	e	41 07
COL	iP	08 40 52
	i	41 04
EUR	iP	08 40 58
	i	41 10
HH	eP	08 41 18
SJ	eP'	08 47 06
TUC	e(P)	08 41 05
	i	41 17
UK	eP	08 40 34
	i	40 46
Aug. 24		
BC	iP	08 51 27
BOZ	iP	08 50 53
COL	iP	08 47 15
	i	47 25
	iPP	47 50
EUR	iP	08 51 04
	i	51 15
HH	eP	08 50 27
RC	iP	08 51 30
	i	51 41
SLC	eP	08 51 14
TUC	eP	08 52 02
Aug. 24		
EUR	eP	09 36 49
Aug. 24		
EUR	eP	11 06 04
Aug. 24		
COL	iP	12 17 58
EUR	eP	12 21 37
HH	e(P)	12 21 11
RC	eP	12 22 10
Aug. 24		
EUR	iP	14 43 33
	iL	44 45
HH	eP	14 47 53

Date and Station		Phase (GCT)
		h m s
Aug. 24		
EUR	eP	15 09 55
Aug. 24		
EUR	eP	15 38 12
	i	38 24
Aug. 24		
COL	eP	18 59 51
Aug. 24		
BC	iP	19 22 48
COL	eP	19 18 57
	i	19 10
	i	19 17
EUR	iP	19 22 23
	i	22 31
HH	eP	19 21 53
	iP	21 56
	iPcP	24 22
RC	eP	19 23 09
	e	23 20
	e	23 38
	e	25 10
SJ	eP	19 27 26
TUC	iP	19 23 28
	i	23 40
Aug. 24		
COL	iP	20 18 23
Aug. 24		
COL	eP	20 25 31
HH	e(P)	20 24 57
Aug. 25		
COL	e(P)	00 35 05
	iP	35 26
	i	35 38
EUR	eP'	00 41 17
HH	eP'	00 41 13
Aug. 25		
COL	iP	01 37 39
	i	37 55
	i	38 04
Aug. 25		
BUT	eP	01 45 06
Aug. 25		
RC	e(P)	03 44 56
Aug. 25		
EUR	eP	04 31 14
	i	31 35

B-4297-4

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

B 4297-4

Date and Station		Phase (GCT)
		h m s
SJ	eP	18 12 15
TUC	iP	18 08 34
Aug. 27		
RC	e(P)	18 18 12
	e	18 46
Aug. 28		
COL	iP	01 10 16
EUR	iP	01 11 10
Aug. 28		
COL	iP	01 41 20
COLU	eP	01 42 04
EUR	eP	01 43 03
HH	iP	01 42 22
RC	iP	01 42 23
Aug. 28		
EUR	iP	03 02 31
	epP	03 36
Aug. 28		
COL	e(P)	08 32 47
Aug. 28		
BC	iP	10 00 55
COL	iP	10 01 21
	e	02 20
	ipP	03 23
EUR	iP	10 01 00
	epP	02 57
HH	eP	10 01 28
SLC	eP	10 01 16
TUC	iP	10 01 00
Aug. 28		
EUR	eP	11 32 55
Aug. 28		
COL	eP	11 45 09
Aug. 28		
HH	e(P)	12 49 48
Aug. 28		
EUR	eP	17 04 17
Aug. 28		
COL	eP	19 08 58
Aug. 28		
HH	iP	22 02 26
Aug. 29		
EUR	eP	02 54 08

Date and Station		Phase (GCT)
		h m s
Aug. 29		
BC	iP	03 14 37
	i	14 59
BUT	eP	03 13 40
COL	iP	03 10 22
	i	11 16
EUR	iP	03 14 12
	i	14 40
HH	eP	03 13 34
	iPcP	14 50
RC	iP	03 14 37
SLC	eP	03 14 26
TUC	eP	03 15 07
Aug. 29		
EUR	eP	03 20 02
Aug. 29		
EUR	eP	06 45 58
Aug. 29		
COL	eP	15 57 27
	i	57 51
Aug. 29		
BUT	eP	23 25 39
Aug. 29		
BH	iP	23 35 43
	iS	36 10
Aug. 30		
COL	iP	03 21 30
Aug. 30		
BC	iP	04 31 44
	i(PP)	32 41
BOZ	e(P)	04 31 12
	eP	31 19
BUT	eP	04 31 12
	eS	36 27
	eL	38 46
CHI	eS	04 40 28
	eL	48 11
COL	eP	04 27 38
	i	24 48
	i	25 28
	eS	30 10
	iL	31 22
COLU	eP	04 34 25
	e	37 12
	iS	42 29
	i	44 12
	e	46 32
	eL	49 19

Date and Station		Phase (GCT)
		h m s
EUR	iP	04 31 18
	i	32 10
	eS	36 38
HONO	iP	04 30 54
	eS	36 04
	eL	38 52
HH	eP	04 30 45
	ePP	31 53
	i	32 12
	iPcP	33 37
	eS	35 49
	iScP	37 19
	ePcS	37 42
	eScS	41 17
PHIL	e(P)	04 34 36
	eS	42 17
	iS	42 20
	eSS	46 15
	eL	48 40
RC	iP	04 32 00
	i	32 16
	ePP	33 24
SLC	eP	04 31 34
	eS	37 17
	eL	40 07
SJ	iP	04 36 31
SIT	iP	04 28 24
	iS	31 33
	eL	33 02
TUC	eP	04 32 24
	i	32 40
	i	33 02
	ePP	34 03
	eS	38 52
	eL	42 22
WASH	eP	04 34 15
	i	34 29
	eL	55 14
Aug. 30		
EUR	iP	04 37 33
Aug. 30		
BC	iP	05 27 30
	i	28 49
	eL	31 00
BOZ	iP	05 27 48
	e(S)	30 15
	eL	30 37
BUT	iP	05 27 37
	iS	29 46
	iL	30 07
CHI	eP	05 30 55
	eS	35 35
	eL	37 38

Date and Station		Phase (GCT)
		h m s
COL	iP	05 30 35
	iPP	31 11
	ePcP	33 57
COLU	iP	05 32 00
	ePP	33 14
	e	36 44
	eS	37 13
	eL	42 26
EUR	iP	05 26 52
HH	eP	05 27 38
	iP	27 40
	eS	29 50
	eL	30 14
PHIL	eP	05 32 18
	e	35 27
	eS	38 15
	eL	43 30
RC	eP	05 28 56
	eL	32 43
SLC	iP	05 27 34
	i	28 33
	eS	29 35
	eL	30 02
SJ	eP	05 34 33
SIT	iP	05 28 55
	eL	33 03
TUC	iP	05 28 32
	i	28 48
	i	29 06
	eS	31 02
	iL	31 32
UK	eP	05 25 42
	iS	26 10
	iL	26 16
WASH	iP	05 32 10
	eL	41 50
Aug. 30		
EUR	eP	06 18 36
Aug. 30		
EUR	eP	07 23 28
Aug. 30		
EUR	eP	07 36 29
Aug. 30		
COL	eP	09 25 19
EUR	eP	09 28 59
Aug. 30		
BC	eP	12 34 17
EUR	eP	12 32 49
	eL	35 50

B 4297-4

Date and Station		Phase (GCT)
		h m s
TUC	eP	12 31 00
	iP	31 13
	iS	31 56
	iL	32 11
Aug. 30		
COL	iP	16 15 42
	e	16 49
	e	17 25
Aug. 30		
EUR	eP	17 46 46
Aug. 30		
EUR	eP	18 21 13
HH	eP	18 20 21
RC	eP	18 19 53
	e	21 39
Aug. 30		
COL	eP	20 22 09
	ipP	22 31
EUR	eP	20 22 54
	ipP	23 17
Aug. 30		
EUR	eP	22 20 00
Aug. 31		
COL	iP	00 24 03
	ipP	24 32
EUR	eP	00 24 55
	i	25 16
Aug. 31		
COL	eP	03 01 12
	i	01 26
EUR	eP	02 58 59
HH	e(P)	02 59 00
SJ	iP	02 51 12
	iS	52 27
	iL	52 30
Aug. 31		
COL	eP	05 27 13
Aug. 31		
COL	eP	06 46 12
Aug. 31		
COL	eP	07 45 01
Aug. 31		
COL	eP	09 44 58
	epP	45 35
EUR	eP	09 42 04
HH	e(P)	09 42 36
SJ	eP	09 37 29
	i	38 17

Date and Station		Phase (GCT)
		h m s
Aug. 31		
COL	iP	09 50 40
Aug. 31		
EUR	eP	10 44 40
Aug. 31		
EUR	eP	14 01 50
Aug. 31		
BC	iP	18 32 57
COL	eP	18 36 06
	iP	36 07
	ipP	36 23
	i	36 31
EUR	iP	18 33 19
	ipP	33 34
HH	iP	18 33 56
	ipP	34 12
SJ	eP	18 29 23
	ipP	29 38
TUC	iP	18 32 21
	epP	32 36
Aug. 31		
EUR	eP	19 21 35
Aug. 31		
BC	iP	22 16 13
BOZ	iP	22 16 12
BUT	eP	22 16 07
COL	iP	22 14 09
EUR	iP	22 16 02
	i	16 24
HH	iP	22 15 57
RC	iP	22 16 39
SLC	eP	22 16 17
TUC	eP	22 16 33
Aug. 31		
BC	iP	23 19 26
BOZ	iP	23 19 26
	i	19 37
BUT	iP	23 19 20
COL	iP	23 17 23
	iPcP	17 39
EUR	iP	23 19 17
HH	iP	23 19 12
RC	iP	23 19 53

Date and Station		Phase (GCT)
		h m s
SLC	eP	23 19 29
TUC	e(P)	23 19 46

Date and Station		Phase (GCT)
		h m s

B-4297-4

Local and Minor Earthquakes		Local and Minor Earthquakes	
day	hour	day	hour
BUT		SLC	
Aug.		Aug.	
15	10.4	1	18.7
		8	19.5
COL		19	22.3
Aug.		23	19.0
1	18.5		
2	03.5	SJ	
	10.8	Aug.	
4	00.6	1	23.3
	02.2	3	00.2
	07.0		20.7
	12.0	4	16.5
	17.7	6	06.6
7	21.0	10	18.4
8	10.6		18.8
11	21.7	17	10.8
12	04.6	18	11.8
	07.3	19	09.8
	11.2		
	12.6	TUC	
	16.5	Aug.	
	18.0	1	01.7
16	09.3	3	10.9
18	05.1	6	11.6
	16.4	10	05.1
21	17.0	11	03.6
22	09.0	12	14.7
	13.0	13	03.6
24	09.7		05.2
	13.2	14	06.4
25	08.5	19	09.3
27	18.0	20	07.9
	18.3	21	05.6
28	00.2		06.6
	01.8		22.4
	02.1	22	01.8
	02.8		04.7
	06.5		06.4
	06.6	23	03.1
	08.2	24	08.6
29	02.3	25	10.7
30	03.4		16.6
	03.9	26	05.3
	06.6		08.2
	10.6		08.9
			13.3
EUR			16.6
Aug.		27	03.9
5	00.5		12.0
7	07.9	28	08.6
8	03.0		09.0
12	04.1		11.5
14	06.4	30	04.3
19	09.3		05.2
21	23.1		05.4
22	03.0	31	11.9
	10.0		
	11.1	UK	
	14.6	Aug.	
	20.3	15	05.1
30	15.6		
	17.5		
31	12.0		
	17.5		
	17.9		