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U. S. COAST & GEODETIC SURVEY
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SEISMOLOGICAL BULLETIN

August, 1955

MSI - 176

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U. S. DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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National Oceanic and Atmospheric Administration

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March 4, 2011

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

**Balboa Heights, C. Z. (BH)
The Panama Canal
*Boulder City, Nev. (BC)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
**Burlington, Vt. (BUR)
University of Vermont
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and
U. S. Weather Bureau
College, Alaska (COL)
*Columbia, S. C. (COLU)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Logan, Utah (LOG)
Utah State Agricultural College
*Montezuma, Chile (MONT)
Smithsonian Institution
**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.

Nelson, Nevada seismograph station was discontinued on July 21, 1955. All instrumentation from Nelson, including the Benioff vertical seismograph, was installed on August 6, 1955 at Eureka, Nevada on the property of The Eureka Corporation Limited. The station coordinates are 39°30'09" north and 115°59'42" west.

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, Burlington, and Logan 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; Utah State Agricultural College, Logan, Utah.

Date 1955	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	° '	° '	
1	03 15 40**			Sandwich Islands region.
1	21 44 59**			Off southeast coast of Mindanao, Philippine Islands. Felt at Dadiangas. h about 200 km.
2	06 50 16**			Nicobar Islands region.
3	06 39 42**			Southwestern Colorado. Felt at Creede.
3	17 10 15**			Eastern Tibet.
3	19 45 20*	52 N.	179-1/2 W.	Andreanof Islands, Aleutian Islands.
3	20 16 54**			New Ireland region.
3	22 22 40**			Santiago del Estero Province, Argentina.
3	22 42 08**			Sikang Province, China.
4	00 00 00**			Bay of Bengal.
4	06 40 46*	30-1/2 N.	86-1/2 E.	Tibet.
4	10 53 01*	5 S.	152-1/2 E.	Near east coast of New Britain.
4	14 18 20*	25-1/2 N.	125 E.	Ryukyu Islands.
5	03 12 06*	17-1/2 N.	106 W.	Off coast of Colima, Mexico.
5	10 20 50*	43 N.	47-1/2 E.	Dagestan A.S.S.R.
5	11 11 15*	51 N.	179-1/2 W.	Andreanof Islands, Aleutian Islands.
5	16 46 01*	16 S.	174 E.	Fiji Islands region.
6	08 31 25*	21-1/2 S.	177-1/2 W.	Tonga Islands region. h about 350 km. Mag. 6-3/4 - 7.
7	12 34 41*	3-1/2 S.	145 E.	Off north coast of New Guinea.
7	17 17 32*	20-1/2 N.	155-1/2 W.	Near north coast of Hawaii, T. H. Felt on Hawaii and Maui Islands.
7	17 40 30**			About 200 miles off south coast of Honshu, Japan.
8	03 21 51*	35-1/2 N.	119 W.	Kern County, California. Felt at Bakersfiled. Mag. 4.7.
8	10 35 38	38.5 N.	118.8 W.	Mineral County, Nevada.
9	13 32 25**			New Hebrides Islands region.
9	18 14 25*	11 S.	166-1/2 E.	Santa Cruz Islands.
9	19 17 30*	54 N.	165 W.	Unimak Island, Aleutian Islands.
10	05 01 43*	2 S.	151 E.	New Ireland region.
10	07 45 49*	4 S.	80 W.	Peru-Ecuador border. h about 100 km.
10	15 59 13*	44 N.	144-1/2 E.	Near north coast of Hokkaido, Japan.
11	19 26 20**			Sumbawa Island.
12	04 09 26*	37 N.	141 E.	Near east coast of Honshu, Japan. Felt.
12	07 56 30**			Off coast of Mindoro Island, Philippine Islands.
14	07 11 12**			Ecuador.
14	12 27 58*	19-1/2 N.	155-1/2 W.	Hawaii, T. H. Slight damage south of Kilauea Crater.
14	16 43 20*	33 S.	179 W.	Kermadec Islands region.

Date 1955	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	° '	° '	
15	00 27 00*	25-1/2 N.	45 W.	Atlantic Ocean.
15	14 58 27*	3-1/2 S.	149-1/2 E.	New Britain region.
15	16 44 07*	27 N.	95 E.	Assam, India.
16	04 18 47*	12-1/2 N.	88-1/2 W.	Off coast of El Salvador.
16	07 15 45**			About 200 miles northeast of Jan Mayen Island.
16	11 46 58*	6 S.	155 E.	Solomon Islands. h about 200 km. Mag. 7-1/4.
16	19 10 06*	11 N.	87 W.	Off coast of Nicaragua.
17	10 42 37*	8-1/2 S.	76 W.	Central Peru. h about 150 km.
17	14 42 00**			Marianas Islands region.
17	17 29 52**			About 350 miles south of Honshu, Japan.
18	00 01 10*	7 N.	127 E.	Near east coast of Mindanao, Philippine Islands.
18	08 26 25**			New Hebrides Islands.
19	07 44 44*	8 S.	79-1/2 W.	Near coast of Peru. Felt at Trujillo. h about 60 km.
19	14 36 10**			Virgin Islands region.
19	16 28 50*	9 S.	71 W.	Acre, Brazil. h about 650 km.
20	04 01 16**			Atlantic Ocean, about 800 miles north of Brazil.
20	06 11 38*	12 N.	126 E.	Samar Island, Philippine Islands.
20	18 57 28*	20-1/2 S.	176-1/2 W.	Tonga Islands. h about 200 km.
21	00 42 50*	38 N.	69-1/2 E.	Tadzhik S.S.R.
21	08 52 44**			Tonga Islands.
21	16 04 01*	24 N.	96-1/2 E.	Burma.
21	17 33 58*	3 S.	137-1/2 E.	New Guinea. Mag. 6-3/4 - 7.
23	09 53 20**			Mindanao, Philippine Islands.
23	14 09 17*	31 N.	71-1/2 E.	Central Pakistan. Felt at Leiah, Multan, Bahawalpur and Montgomery. h about 60 km.
23	15 32 40*	43-1/2 N.	128 W.	About 170 miles off coast of Oregon. Mag. 6 - 6-1/2.
23	18 09 38**			Molucca Passage.
23	20 56 52*	43 N.	46 E.	Dagestan A.S.S.R.
23	22 42 36*	12-1/2 N.	126-1/2 E.	Off coast of Samar Island, Philippine Islands.
24	04 36 22*	18 S.	178 W.	Fiji Islands. h about 600 km.
24	06 56 20*	44-1/2 N.	129-1/2 W.	Off coast of Oregon.
24	15 39 17**			Fiji Islands.
25	05 49 28*	43-1/2 N.	46 E.	Dagestan A.S.S.R.
25	22 12 43*	52 N.	176 E.	Rat Islands, Aleutian Islands. h about 60 km.
26	06 23 29*	65-1/2 N.	133 W.	Yukon.
26	20 54 20*	16 S.	177-1/2 E.	Fiji Islands region. h about 600 km.
27	02 46 30*	19 S.	69-1/2 W.	Chile-Bolivia border. Felt at Arica, Chile.

Date 1955	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	° '	° '	
27	06 48 45*	15 S.	168 E.	New Hebrides Islands. h about 150 km.
28	13 39 17*	38 N.	27-1/2 E.	Near west coast of Turkey.
28	20 13 30*	14 N.	91 W.	Near coast of Guatemala. Felt at Guatemala City. h about 60 km. Mag. 6-3/4.
28	21 05 59*	24-1/2 S.	179 E.	Fiji Islands region. h about 600 km.
29	01 14 27**			Near coast of Guatemala. h about 60 km.
29	07 53 32*	12 N.	87 W.	Nicaragua.
29	08 05 15**			Near coast of Peru. h about 100 km.
29	11 01 02**			New Hebrides Islands.
29	14 39 35**			Pacific Ocean, about 150 miles south of Panama.
29	15 33 56*	51 N.	178-1/2 W.	Andreanof Islands, Aleutian Islands.
29	16 04 54**			Pakistan-Assam border. Felt at Mymensingh and Sylhet, Pakistan.
29	23 12 03*	11 S.	76-1/2 W.	Peru.
30	01 57 15*	40-1/2 N.	124-1/2 W.	Cape Mendocino, California. Felt at Eureka.
30	03 30 50**			Kermadec Islands.
30	17 35 20*	28 N.	139 E.	Bonin Islands region. h about 500 km.
30	20 06 34*	19-1/2 S.	169-1/2 E.	Loyalty Islands. Felt at Noumea.
31	12 23 36*	63-1/2 N.	147 W.	Alaska.

Date and Station		Phase	(GCT) h m s
Aug. 1			
COL		iP'	03 35 25
HH		eP'	03 34 37
MONT		iP	03 23 51
		ePP	25 43
SJ		iP	03 27 46
TUC		eP'	03 34 11
Aug. 1			
HH		e(P)	07 52 00
Aug. 1			
HH		i(P)	09 32 22
Aug. 1			
COL		iP	09 39 11
		iS	39 35
		iL	40 14
HH		e(P)	09 43 51
Aug. 1			
BUT		e(P)	12 34 05
HH		eP	12 33 50
Aug. 1			
COL		eP	21 57 06
Aug. 1			
BC		e(P)	22 50 47
		i	51 16
Aug. 1			
BC		eP	22 55 41
Aug. 2			
SJ		iP	00 23 31
Aug. 2			
BC		eP	02 53 54
Aug. 2			
BOZ		eP	04 14 11
		eL	15 09
Aug. 2			
HH		eP	04 20 02
		i	20 22
		iL	21 52
Aug. 2			
BC		eP'	07 09 27
BOZ		ePP	07 10 42
COL		eP	07 03 35
HH		iP'	07 09 06
		e	10 08
		ePP	10 20
		ePKKP	19 30
		iPKKP	19 34
SJ		iP'	07 10 01
TUC		eP'	07 09 35
Aug. 2			
HH		e(P)	09 53 12
Aug. 2			
TUC		eP	11 20 17
Aug. 2			
BUT		e(P)	11 43 07
HH		e(P)	11 41 58
		i	44 13
SLC		eP	11 40 58
		eL	42 02
TUC		eP	11 42 23
		eL	44 21
Aug. 2			
COL		eP	11 56 25
Aug. 2			
COL		eP	11 59 10
Aug. 2			
COL		eP	12 03 30
		epP	04 24
Aug. 2			
WASH		i(P)	16 25 47
		i	28 12
Aug. 2			
SLC		e(P)	19 13 59
Aug. 2			
SJ		iP	21 04 53
Aug. 3			
HH		e(P)	05 08 08
Aug. 3			
BC		eP	06 41 20
		i	41 39
		iL	43 01
BOZ		eP	06 41 43
COLU		eP	06 44 35
		eL	50 58
HH		eP	06 42 29
		i	42 41
		eL	45 52
SLC		e(P)	06 40 56
		e	41 04
		e(S)	41 38
		iL	42 02
TUC		eP	06 41 13
		i	41 30
TUC		e(S)	06 42 31
		iL	42 49
Aug. 3			
SLC		eP	09 05 15
Aug. 3			
HH		iP	09 49 19
Aug. 3			
SLC		eP	11 08 58
Aug. 3			
HH		iP	12 12 28
		i	12 57
Aug. 3			
HH		e(P)	12 57 29
Aug. 3			
HH		eP	15 09 01
Aug. 3			
COL		iP	17 21 49
Aug. 3			
BC		eP	19 54 01
		e	54 15
BOZ		eP	19 53 30
HH		iP	19 53 06
SLC		eP	19 53 50
TUC		eP	19 54 28
Aug. 3			
HH		e(P)	20 30 13
Aug. 3			
BC		iP	22 34 45
BOZ		eP	22 35 09
BUT		eP	22 35 18
HH		iP	22 35 31
		e	36 21
MONT		iP	22(24 05)
SLC		eP	22 34 56
SJ		eP	22 30 56
		ePcP	32 39
TUC		iP	22 34 15
Aug. 3			
HH		eP	22 55 38
Aug. 3			
BUT		e(P)	23 50 38
HH		eP	23 49 39
HH		i(S)	23 50 05
		iL	50 08
Aug. 4			
BOZ		eP	05 29 13
Aug. 4			
COL		eP	06 31 30
HH		eP	06 34 19
Aug. 4			
COL		iP	06 52 32
HH		eP'	06 58 18
TUC		eP'	06 59 29
Aug. 4			
TUC		iP	07 10 03
Aug. 4			
HH		e(P)	08 33 16
Aug. 4			
HH		e(P)	08 51 04
Aug. 4			
BC		iP	09 54 41
		i	55 17
Aug. 4			
BC		eP	11 06 27
HH		eP	11 06 30
SJ		eP'	11 12 33
Aug. 4			
HH		e(P)	12 30 27
Aug. 4			
COL		eP	14 29 12
HH		iP	14 31 22
		i	31 52
Aug. 4			
HH		e(P)	15 25 47
Aug. 4			
HH		eP	15 36 46
Aug. 4			
HH		e(P)	22 24 55
Aug. 4			
SLC		eP	23 15 50
Aug. 4			
HH		eP	23 47 59
MONT		e(P)	23 44 35
Aug. 5			
HH		e(P)	00 20 55
		e	22 08

Date and Station		Phase (GCT)
		h m s
Aug. 5		
HH	e(P)	00 56 58
Aug. 5		
HH	e(P)	01 05 38
Aug. 5		
HH	i(P)	03 07 28
Aug. 5		
BC	eP	03 16 45
	i	16 48
BOZ	eP	03 18 05
BUT	iP	03 18 10
COLU	iP	03 17 57
	eS	22 43
	eL	29 33
HH	eP	03 18 29
MONT	iP	03 21 32
PHIL	eS	03 24 29
	eL	30 40
TUC	eP	03 15 46
	iP	15 48
	i	16 28
	e(S)	18 26
	eL	20 01
Aug. 5		
COL	eP	10 32 12
HH	eP	10 33 38
Aug. 5		
BC	eP	11 19 55
BOZ	eP	11 19 28
COL	eP	11 16 05
HH	eP	11 19 02
TUC	eP	11 20 33
Aug. 5		
BC	eP	11 56 34
	e	57 01
Aug. 5		
MONT	iP	12 07 13
	iL	08 15
Aug. 5		
SLC	eP	13 57 07
Aug. 5		
BC	eP	16 58 37
COL	eP	16 58 42
HH	e(P)	16 59 14

Date and Station		Phase (GCT)
		h m s
SLC	eP	16 59 21
Aug. 5		
WASH	eP	19 07 38
Aug. 5		
SLC	eP	22 30 48
Aug. 5		
SLC	eP	22 37 13
Aug. 6		
BUT	eP	01 08 28
Aug. 6		
BUT	eP	02 18 36
HH	eP	02 18 21
Aug. 6		
BOZ	eP	02 47 07
BUT	eP	02 47 20
HH	i(P)	02 48 05
Aug. 6		
HH	e(P)	03 12 46
Aug. 6		
COLU	e(P)	04 52 34
Aug. 6		
BOZ	eP	05 31 32
	eL	38 13
BUT	eP	05 31 20
	eL	37 25
COL	iP	05 27 47
HH	eP	05 30 50
	e	35 11
	eL	36 50
SLC	e(P)	05 30 45
	eL	41 38
Aug. 6		
COLU	e(P)	05 48 47
	e	49 20
WASH	iP	05 48 02
Aug. 6		
HH	eP	07 51 52
Aug. 6		
HH	e(P)	08 18 03
MONT	eP	08 07 08
	e(S)	08 20
	iL	08 55
Aug. 6		
BC	iP	08 43 14C
	ipP	44 38

Date and Station		Phase (GCT)
		h m s
BC	e(PP)	08 47 10
	iS	53 05
	i	53 21
	esSS	09 00 58
	i(PKKP)	01 42
	iP'P'	09 51
	iSKPP'	12 40
BOZ	eP	08 43 55D
	ipP	45 20
	isP	46 02
	e(PP)	47 10
	ipPP	49 00
	eS	54 06
	i	54 23
	esS	56 42
	esSS	09 02 01
	eP'P'	09 35
BUT	iP	08 43 47C
	ipP	45 12
	isP	45 59
	iPP	47 22
	epPP	48 49
	iSKS	53 40
	iS	54 05
	i	54 41
	i	55 46
	isS	56 45
	eSS	09 00 04
	e(sSS)	02 19
	eL	09 15
	e(SKPP')	12 17
CHI	epP	08 46 17
	eP'	48 32
	ePP	49 09
	epPP	50 26
	iSKS	54 55
	i(SKS)	55 40
	iS	56 15
	eSP	57 40
	eSPP	58 48
	eSS	09 03 10
	eSSS	08 25
	eL	14 22
COL	eP	08 43 43
	ipP	45 06
	ePP	47 48
	ePPP	49 02
	iS	53 35
	iPS	55 34
	i	56 28
	e(SS)	59 08
	eSSS	09 04 16
	eL	10 12
COLU	e	08 46 33
	iPP	49 35
	epPP	50 53
	iSKS	55 12
	i	56 03
	iPS	59 10
	iPKKP	09 00 36
	iSS	04 18
	isSS	06 36

Date and Station		Phase (GCT)
		h m s
HONO	iP	08 39 22D
	ipP	40 35
	ePP	41 08
	isP	41 27
	i(pPP)	42 25
	iScP	44 13
	iS	45 45
	e	47 25
	isS	48 21
	i(ScS)	48 49
	eSS	49 40
	eL	51 11

T_P = 1 sec. A = 1.5mm.
T_S = 4 sec. A = 4mm.
T_L = 10 sec. $A_{max.}$ = 2mm.

Date and Station		Phase (GCT)
		h m s
HH	iP	08 43 48C
	ipP	45 14
	iPP	47 20
	ipPP	48 38
	eSKS	53 43
	esS	56 44
	iPKKP	09 01 23
	isSS	02 09
	eP'P'	09 29
	iSKPP'	12 19
MONT	iP	08 44 32C
	i	44 44
	ipP	45 58
	ePP	48 38
	e(sPP)	50 30
	epS	57 00
	ePPS	58 28
	iPKKP	09 01 01
	i	01 30
	eP'P'	09 06
PHIL	epP	08 46 59
	ePP	50 12
	epPP	51 27
	esPP	52 12
	iSKS	55 34
	i	56 40
	eS	57 35
	e	58 14
	esP	59 24
	ePS	09 00 05
	ePPS	01 16
	esPS	02 10
	e	07 02
	eSSS	08 07
	eL	18 14
RC	iP	08 44 06
	ipP	45 29
	ePP	47 43
	iSKS	54 03
	iS	54 45
	iPS	56 45
	isS	57 26
SLC	iP	08 43 36D
	ipP	45 01
	i	45 49
	iPP	47 03

Date and Station	Phase	Phase (GCT) h m s
SLC	e(sPP)	08 48 48
	iSKS	53 32
	iS	53 58
	iSP	54 47
	i	55 43
	isS	56 14
	eSS	59 50
	i	09 00 57
	iPKKP	01 30
	eL	08 18
	iP'P'	09 40
SJ	eP'	08 49 32
	e	51 50
	epPP	52 13
	esPP	52 47
	iSKS	55 49
	e(SKKS)	57 02
	eS	58 05
	i	58 34
	e	58 37
	iPKKP	09 00 07
	esPP	01 00
	i(PPS)	02 15
	eSS	06 33
	e(SSS)	09 52
	eL	18 24
STT	eP	08 43 22
	ipP	44 54
	epPP	48 12
	eSKS	53 11
	iS	53 20
	eSP	54 27
	iPS	55 20
	eSS	59 06
	eL	09 10 46
TUC	iP	08 43 21C
	ipP	44 44
	isP	45 23
	ePP	46 49
	e(pPP)	48 12
	iPPP	48 26
	e	52 20
	iS	53 10
	iSP	54 06
	isS	55 41
	esPS	56 20
	e	57 11
	isSS	09 01 16
	ePKKP	01 41
	eP'P'	09 43
	iSKPP'	12 38
UK	eP	08 42 52
	epP	44 13
	eS	52 24
	e(SP)	52 46
	esS	54 30
	esPS	55 35
	eSSS	09 01 21
	eL	04 33
WASH	epP	08 47 04
	iPP	50 10
	ipPP	51 20
	e(pPPP)	54 34
WASH	eSKS	08 55 48
	isS	59 26
	iPKKP	09 00 23
	esPS	01 39
	eSKKP	03 10
	i(P'P')	08 12
	e(SKPP')	12 24
	eL	24 02
Aug. 6		
BOZ	eP	18 14 49
Aug. 6		
TUC	eP	21 33 40
Aug. 7		
TUC	eP	03 56 45
Aug. 7		
COL	iP	04 37 14
Aug. 7		
HH	e(P)	08 42 16
Aug. 7		
BOZ	e(P)	10 23 43
COL	iP	10 19 56
EUR	iP	10 23 33
	ipP	23 47
HH	eP	10 23 13
SLC	eP	10 24 19
Aug. 7		
HH	e(P)	10 49 51
Aug. 7		
EUR	iP	11 05 32
SLC	e(P)	11 06 11
TUC	iP	11 05 36
Aug. 7		
COL	iP	12 47 09
HH	eP	12 48 31
Aug. 7		
COL	iP	17 25 50
EUR	iP	17 25 03
HONO	iP	17 18 15
	iS	18 44
	iL	18 52
HH	eP	17 25 41
Aug. 7		
BC	eP	17 33 05
Aug. 7		
HH	iP	17 38 35
	i	38 50
Aug. 7		
COL	eP	17 49 52
EUR	iP	17 52 32
HH	iP	17 52 14
	e	52 23
Aug. 7		
EUR	eP	17 57 54
HH	iP	17 57 04
Aug. 7		
BOZ	eP'	18 43 53
COL	eP'	18 44 37
	i	44 46
EUR	eP'	18 43 49
	e	45 27
HH	iP'	18 43 58
	e	45 57
MONT	iP	18 33 21
	i	33 33
SLC	e(P')	18 45 40
Aug. 7		
HH	iP	20 24 34
Aug. 7		
COL	iP	20 48 11
	i	48 20
HH	eP	20 47 23
MONT	iP	20 44 36
Aug. 7		
COL	iP	20 56 02
HH	eP	20 55 13
MONT	iP	20 56 29
Aug. 7		
MONT	iP	21 02 05
Aug. 7		
COL	iP	21 07 51
HH	eP	21 07 06
MONT	iP	21 06 34
Aug. 7		
BOZ	eP	21 12 38
COL	eP	21 13 22
	i	13 31
	i	13 40
HH	eP	21 12 42
Aug. 7		
COL	iP	21 18 00
HH	iP	21 17 12
MONT	iP	21 21 17
Aug. 7		
COL	iP	21 32 43
EUR	eP	21 29 12
HH	e(P)	21 29 12
Aug. 7		
HH	e(P)	21 31 54
Aug. 7		
HH	e(P)	22 21 30
COL	iP	22 22 18
Aug. 7		
COL	eP	22 42 10
HH	e(P)	22 41 28
Aug. 7		
COL	iP	23 15 24
HH	eP	23 14 36
MONT	iP	23 03 59
Aug. 7		
COL	eP	23 34 34
Aug. 8		
BC	iP	03 22 36
	i	22 47
BOZ	eP	03 24 47
	eL	27 37
BUT	e(S)	03 26 27
	eL	27 44
EUR	iP	03 23 04
	i	23 20
HH	eP	03 25 09
	eL	28 57
SLC	eP	03 23 50
	e(S)	25 25
	eL	25 49
TUC	eP	03 23 38
	e	24 18
	e(S)	25 24
	iL	26 18
Aug. 8		
BC	eP	03 30 27
	i	30 36
Aug. 8		
COL	eP	10 31 10

Date and Station		Phase (GCT) h m s
Aug. 8		
BC	iP	10 36 32
	i	36 40
BOZ	eP	10 37 56
	i	38 35
	eS	39 42
	eL	40 34
BUT	eP	10 37 51
	i	38 21
	eS	39 45
	eL	39 55
EUR	iP	10 36 38
HH	eP	10 38 14
	i	39 02
	e(S)	40 19
	eL	40 57
	iL	41 15
RC	eP	10 38 45
	eS	51 04
	eL	51 34
SLC	eP	10 37 07
	i	37 27
	iS	38 31
	iL	38 43
TUC	eP	10 37 49
	e	37 59
	e	38 30
	i(S)	39 32
	iL	40 32
UK	e(P)	10 36 38
	eS	37 18
	eL	37 25
Aug. 8		
BC	iP	10 46 24
	i	47 15
COL	eP	10 42 01
EUR	iP	10 46 03
	iS	46 36
Aug. 8		
COL	eP	10 44 52
Aug. 8		
HH	eP	11 59 07
WASH	eP	11 52 36
Aug. 8		
BC	e(P)	12 07 04
	i	07 11
	i	07 58
	i	08 11
Aug. 8		
SLC	e(P)	13 21 30

Date and Station		Phase (GCT) h m s
Aug. 8		
EUR	iP	14 40 06
	i	40 11
	iS	40 44
	iL	40 51
Aug. 8		
COL	iP	15 36 53
Aug. 8		
COL	eP	17 01 15
Aug. 8		
COL	eP	19 02 46
Aug. 8		
SLC	e(P)	20 12 05
Aug. 8		
COL	eP	21 58 57
	iP	59 01
Aug. 8		
BUT	e(P)	23 49 18
Aug. 9		
SLC	e(P)	01 22 29
Aug. 9		
EUR	iP	02 39 08
Aug. 9		
BC	iP	05 25 32
	i	26 22
BOZ	e(P)	05 27 02
BUT	e(P)	05 26 53
	e	28 19
EUR	iP	05 24 54
HH	eP	05 29 30
SLC	e(P)	05 26 04
TUC	e(P)	05 27 09
Aug. 9		
EUR	iP	06 31 38
Aug. 9		
BOZ	eP	06 53 02
EUR	iP	06 52 23
HH	iP	06 53 25
SLC	e(P)	06 52 26
Aug. 9		
COL	eP	07 55 56
Aug. 9		
COL	eP	09 55 45
Aug. 9		
EUR	iP	10 02 26

Date and Station		Phase (GCT) h m s
Aug. 9		
EUR	iP	10 23 04
HH	eP	10 22 48
SLC	e(P)	10 24 15
Aug. 9		
EUR	eP	10 50 14
HH	eP	10 51 16
Aug. 9		
EUR	eP	12 17 36
Aug. 9		
HH	i(P)	13 36 17
Aug. 9		
HH	e(P)	13 49 24
Aug. 9		
COL	e(P)	16 09 44
	i(pP)	10 10
Aug. 9		
COL	eP	16 58 21
Aug. 9		
EUR	iP	17 01 53
	i	02 50
Aug. 9		
COL	eP	17 19 23
Aug. 9		
EUR	eP	17 56 51
	e	57 26
Aug. 9		
COL	eP	18 12 41
Aug. 9		
BC	eP	18 27 07
COL	iP	18 26 52
EUR	iP	18 27 15
	e	27 27
	iPP	30 56
HH	eP	18 27 33
SLC	eP	18 27 31
TUC	eP	18 27 40
Aug. 9		
EUR	eP	19 07 07
Aug. 9		
COL	iP	19 20 49
EUR	iP	19 24 30
HH	e(P)	19 23 56

Date and Station		Phase (GCT) h m s
Aug. 9		
BH	iP	21 13 29
	iS	13 37
HH	e(P)	21 23 33
Aug. 9		
SLC	e(P)	22 55 25
Aug. 10		
BC	i(P)	00 46 47
COL	iP	00 48 18
EUR	iP	00 46 35
HH	eP	00 46 06
Aug. 10		
HH	eP	04 21 38
Aug. 10		
BC	iP	05 14 58
BOZ	eP	05 15 16
COL	iP	05 13 53
EUR	iP	05 15 01
	i	15 21
HH	iP	05 15 07
	e	18 57
SJ	eP'	05 21 10
TUC	eP	05 15 22
Aug. 10		
BC	iP	07 43 27
BOZ	eP	07 44 07
EUR	iP	07 43 53
HH	iP	07 44 23
MONT	eP	07 33 08
	eL	34 04
SLC	eP	07 44 08
TUC	eP	07 43 07
	e	43 24
Aug. 10		
BOZ	e(P)	07 55 27
COL	e(P)	07 58 14
EUR	eP	07 55 11
	i	55 31
HH	eP	07 55 50
	e	56 06
	i	56 11

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

Date and Station		Phase (GCT)
		h m s
HH	e(P)	03 12 06
MONT	eP	03 13 06
	i	13 12
Aug. 14		
HH	e(P)	05 06 07
Aug. 14		
HH	iP	05 50 47
	i	51 13
MONT	iP	05 39 52
Aug. 14		
COL	eP	07 23 33
EUR	eP	07 20 33
HH	eP	07 21 08
MONT	eP	07 16 15
Aug. 14		
COL	i(P)	08 44 24
EUR	eP	08 48 00
Aug. 14		
COL	eP	10 08 33
Aug. 14		
COL	eP	11 27 45
Aug. 14		
SJ	eP	11 35 35
Aug. 14		
BUT	eP	12 36 07
COL	iP	12 36 20
EUR	iP	12 35 29
HONO	iP	12 28 46
	iS	29 15
	iL	29 20
HH	iP	12 36 06
SIC	eP	12 36 19
TUC	iP	12 35 51
Aug. 14		
EUR	eP	13 58 20
HH	e(P)	13 58 50
MONT	eP	13 47 58
	e(S)	49 18
	iL	49 49
Aug. 14		
HH	e(P)	15 31 29
Aug. 14		
BUT	eP	16 57 15

Date and Station		Phase (GCT)
		h m s
BUT	e	17 01 02
	eSKS	07 34
	iS	08 50
	ePS	09 58
	ePPS	11 12
	eSS	15 42
	eSSS	19 55
	eL	24 26
COL	eP	16 57 15
EUR	eP	16 56 37
HONO	e(P)	16 53 16
	eS	17 01 07
	e	02 08
	e(ScS)	03 38
	eSS	05 32
	eL	07 15
T_L = 12 sec. $A_{max.}$=2mm.		
HH	e(P)	16 57 21
	ePP	17 01 05
MONT	e(P)	16 56 54
SIC	e(P)	16 57 14
TUC	eP	16 56 32
	i	56 35
	iPP	17 00 22
	eL	24 52
Aug. 14		
HH	i(P)	17 19 17
Aug. 14		
BC	e(P)	18 57 04
	i	57 22
BUT	eP	18 58 49
EUR	iP	18 56 12
	iS	56 30
	iL	57 04
HH	e(P)	18 56 57
	eL	59 48
Aug. 14		
HH	e(P)	20 14 08
Aug. 14		
BOZ	eP	20 31 03
BUT	eP	20 31 10
COL	e(P)	20 34 23
COLU	eP	20 28 43
EUR	eP	20 30 47
HH	eP	20 31 30
	e	33 26
SIC	eP	20 30 54

Date and Station		Phase (GCT)
		h m s
TUC	eP	20 29 44
Aug. 14		
COL	eP	21 52 17
HH	iP	21 53 01
Aug. 14		
COL	iP	22 29 00
Aug. 14		
SIC	eP	23 57 30
Aug. 15		
BOZ	eP	00 36 39
COL	eP	00 38 28
EUR	eP	00 37 09
HH	eP	00 36 51
SJ	e(P)	00 31 43
Aug. 15		
HH	e(P)	02 30 45
Aug. 15		
BC	eP	03 32 34
	i	33 13
EUR	iP	03 33 12
	e(L)	35 05
Aug. 15		
SIC	eP	04 31 53
Aug. 15		
EUR	eP	06 08 27
HH	e(P)	06 09 00
Aug. 15		
BOZ	eP	08 29 56
HH	e(P)	08 30 23
	e	32 17
Aug. 15		
BH	iP	09 06 11
	iS	06 52
SJ	i(P)	09 09 46
Aug. 15		
COL	e(P)	10 02 13
	i	02 18
Aug. 15		
HH	e(P)	12 19 40
SIC	eP	12 20 12
Aug. 15		
COL	iP	12 41 05
HH	e(P)	12 43 22

Date and Station		Phase (GCT)
		h m s
Aug. 15		
EUR	eP	13 35 45
Aug. 15		
BH	iP	14 17 22
	iS	17 38
Aug. 15		
COL	e(P)	14 41 07
	e	41 26
Aug. 15		
COL	eP	15 10 49
EUR	eP	15 11 58
HH	eP	15 12 03
Aug. 15		
HH	iP	15 10 53
SIC	eP	15 08 40
Aug. 15		
COL	eP	16 10 07
Aug. 15		
COL	iP	16 55 57
Aug. 15		
EUR	iP	17 21 28
Aug. 15		
SIC	eP	18 29 38
Aug. 15		
HH	e(P)	21 26 49
Aug. 15		
COL	eP	22 09 21
Aug. 15		
HH	eP	22 31 17
Aug. 16		
COL	iP	02 39 39
	i	40 13
EUR	eP	02 39 08
SIC	e(P)	02 42 13
Aug. 16		
SIC	eP	03 20 55
Aug. 16		
EUR	iP	03 36 37
HH	eP	03 36 20
Aug. 16		
COL	eP	03 49 53
Aug. 16		
BOZ	eP	04 13 25
BUT	e(P)	04 16 22

Date and Station		Phase	(GCT) h m s
HH		e(P)	04 13 52
		e	15 47
Aug. 16			
BOZ		eP	04 26 15
BUT		iP	04 26 25
		ePP	28 04
		eS	32 38
		eL	35 38
		iScS	36 36
COL		eP	04 29 38
COLU		iP	04 23 54
EUR		eP	04 25 59
HH		iP	04 26 42
		e	28 40
MONT		eP	04 26 22
		e	26 42
PHIL		eS	04 30 01
		eL	32 01
SJ		eP	04 23 47
TUC		eP	04 24 56
		e	26 40
		i(S)	30 26
		eL	37 58
Aug. 16			
HH		i(P)	06 20 35
Aug. 16			
COL		eP	06 41 56
Aug. 16			
TUC		eP	07 18 00
Aug. 16			
COL		eP	07 23 36
EUR		eP	07 25 59
HH		e(P)	07 24 56
Aug. 16			
BC		iP	12 00 02D
		iSKS	10 26
BOZ		eP	12 00 16C
		ipP	01 10
		e	07 08
		eSKS	10 39
		eP'P'	25 16
BUT		iP	12 00 11C
		ipP	01 05
		isP	01 24
		iPP	04 02
		isPP	05 10
		ePPP	06 10
		i(pPPP)	06 44
		eSKS	10 28
BUT		iSKS	12 10 34
		i	11 02
		iS	11 16
		isS	12 38
		i(PS)	12 47
		iPPS	13 45
		iSS	18 00
		eSSS	21 45
		eP'P'	25 09
		eL	27 38
		eSKPP'	28 33
CHI		ePP	12 06 20
		epPP	07 07
		iSKS	11 53
		e	13 08
		eS	13 52
		ePS	15 48
		ePPS	17 12
		eSS	21 57
		eSSS	26 18
		eL	35 26
COL		iP	11 59 03C
		i	59 32
		iS	12 09 00
		isS	10 28
EUR		iP	11 59 57C
		iPP	12 03 44
		ePPP	05 49
		ePPS	13 29
		ePKKP	17 07
		e(P'P')	24 19
		eSKPP'	29 18
HONO		iP	11 56 06D
		i	56 12
		i	56 28
		ipP	56 55
		esPP	59 12
		ePcS	12 00 45
		eS	03 14
		i	03 32
		iScS	05 42
		eSS	07 24
		eSSS	08 26
		eL	09 08
T_S = 4 sec. A = 2.5mm.			
T_L = 12 sec. $A_{max.}$=3mm.			
HH		eP	12 00 06C
		eP'	03 16
		iP'	03 19
		ePP	03 58
		eSKS	10 12
		eSKKS	10 28
		e(S)	10 54
		ePKKP	16 59
		e	17 34
		eP'P'	25 12
		eSKPP'	28 33
		eP'P'P'	45 55
MONT		eP'	12 05 51
		ePP	07 49
		epPP	08 57
		ePS	18 02
PHIL		ePP	12 07 22
		iSKS	12 27
		e(SKKS)	14 04
		eS	15 11
		eSKSP	17 10
		ePPS	18 50
		iSS	24 00
		eL	35 07
RC		eP	12 00 37
		ePP	04 43
		eSKS	10 56
		eSKKS	11 38
		eS	12 05
		eSP	13 45
SLC		iP	12 00 12C
		ipP	01 08
		isP	01 23
		iPP	04 03
		epPP	05 13
		eSKS	10 34
		e(SKKS)	10 51
		iS	11 20
		eSP	12 44
		ePS	13 10
		e(sPS)	14 04
		e(PKKP)	17 34
		eSS	18 00
		esSS	19 25
		eSSS	22 16
		i	23 46
		e(P'P')	25 04
		eL	27 16
SJ		iP'	12 06 06
		i	06 53
		iPP	09 02
		iPKS	09 25
SIT		iP	11 59 16N,W
		ipP	12 00 04
		esP	00 14
		e	00 44
		e	02 14
		ePP	02 36
		epPP	03 14
		esPP	03 44
		ePPP	04 40
		iS	09 24
		iSP	10 36
		isS	10 59
		i	12 00
		i	13 16
		eSS	14 47
		esSS	16 03
		eSSS	18 21
		eL	21 29
TUC		eP	12 00 17D
		iP	00 18
		i	00 32
		epP	01 03
		i	01 54
		iPP	04 11
		epPP	05 03
		i	09 11
		eSKS	10 17
		iSKKS	10 41
TUC		eS	12 11 17
		esS	12 43
		ePKKP	16 56
		eSS	18 01
		esSS	19 33
		eSSS	21 47
		eP'P'	25 21
		eL	25 32
UK		eP	11 59 39
		epP	12 00 29
		ePP	02 54
		eSKS	09 45
		eS	10 02
		eSP	10 59
		esS	11 15
		eSS	15 46
		eL	22 20
Aug. 16			
COL		iP	14 54 01
EUR		iP	14 59 29
HH		iP	14 58 32
		i	58 47
Aug. 16			
COL		eP	15 04 13
Aug. 16			
EUR		iP	15 16 22
HH		iP	15 16 50
MONT		iP	15 05 22
Aug. 16			
BUT		eP	17 02 57
Aug. 16			
EUR		e(P)	18 56 09
		e	57 44
Aug. 16			
BH		iP	19 12 00
BOZ		eP	19 17 45
BUT		eP	19 17 53
		e(S)	24 25
		eL	28 20
COL		iP	19 21 05
EUR		iP	19 17 30
		i	20 44
		eL	25 35
HH		iP	19 18 12
		e	19 33
		iPP	20 00
MONT		eP	19 17 28
SLC		iP	19 17 17
		iPcP	19 39

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

Date and Station		Phase	(GCT) h m s
SJ		iP	16 33 55
		ipP	35 30
		esP	36 45
TUC		e(P)	16 37 34
		epP	39 30
Aug. 19			
EUR		eP	17 07 11
Aug. 19			
EUR		eP	20 37 13
		iP	37 14
		iS	37 36
		iL	37 53
Aug. 19			
BOZ		eP	22 33 33
Aug. 20			
BOZ		eP	04 12 32
BUT		eP	04 12 40
COL		iP	04 14 15
EUR		eP	04 12 49
HH		eP	04 12 45
MONT		e(P)	04 09 18
SLC		eP	04 12 32
Aug. 20			
BOZ		e(P)	04 38 13
EUR		eP	04 38 31
HH		e(P)	04 38 26
TUC		e(P)	04 38 04
Aug. 20			
EUR		eP	05 28 18
		e	28 35
HH		i(P)	05 28 51
Aug. 20			
HH		eP	05 41 17
		e	41 40
Aug. 20			
COL		eP	06 23 36
Aug. 20			
BC		e(P)	07 38 34
		e	38 38
		i	39 29
EUR		iP	07 38 12
Aug. 20			
EUR		e(P)	09 29 00
Aug. 20			
EUR		iP	13 02 09
		iL	02 56
Aug. 20			
HH		i(P)	18 55 01
Aug. 20			
BC		iP	19 09 29
COL		eP	19 10 02
		ipP	10 49
EUR		iP	19 09 35
		ipP	10 22
HH		eP	19 10 04
TUC		iP	19 09 33
Aug. 20			
HH		e(P)	19 49 09
Aug. 20			
HH		eP	20 03 34
Aug. 20			
EUR		iP	20 35 08
		iS	35 31
		iL	35 52
Aug. 20			
COL		eP	20 39 46
EUR		eP	20 43 39
Aug. 20			
EUR		eP	21 33 05
		i	33 41
Aug. 20			
COL		eP	21 50 39
		i	50 42
Aug. 20			
HH		e(P)	23 36 34
Aug. 21			
COL		eP	00 54 22
Aug. 21			
COL		i(P)	03 44 55
Aug. 21			
HH		e(P)	05 03 44
Aug. 21			
BH		eP	05 36 40
		iS	37 05
Aug. 21			
EUR		eP	06 07 14
		e	07 59
Aug. 21			
BUT		eP	06 17 50
HH		e(P)	06 19 56
Aug. 21			
BUT		eP	07 42 54
Aug. 21			
COL		e(P)	07 57 59
Aug. 21			
BC		iP	09 04 46
BOZ		eP	09 05 17
BUT		eP	09 05 13
COL		iP	09 05 15
EUR		eP	09 04 43
		i	04 53
		ePP	07 39
HH		eP	09 05 14
SLC		eP	09 05 06
TUC		e(P)	09 04 42
Aug. 21			
BC		eP	11 20 55
COL		eP	11 22 28
EUR		e(P)	11 20 48
HH		e(P)	11 20 51
TUC		e(P)	11 20 33
Aug. 21			
EUR		eP	12 36 29
Aug. 21			
EUR		eP	15 11 34
Aug. 21			
HH		e(P)	16 00 50
Aug. 21			
EUR		eP	16 11 32
HH		iP	16 11 44
Aug. 21			
BOZ		eP'	16 22 38
COL		iP	16 16 07
EUR		eP'	16 22 44
		e	23 04
		e(PKKP)	33 49
HH		e(P)	16 18 16
		eP'	22 19
Aug. 21			
HH		e(P)	17 39 52
Aug. 21			
BC		iP	17 47 51
		ePP	52 05
BOZ		eP	17 48 21
		ePP	52 53
BOZ		eSKS	17 59 02
		eS	59 52
		ePS	18 02 11
		ePPS	03 05
		e(PKKP)	03 47
		eSS	08 16
		eSSS	12 22
		eL	18 10
BUT		eP	17 48 16C
		iPP	52 54
		iSKS	58 54
		i	59 18
		iSKKS	59 43
		ePS	18 01 50
		iPPS	02 54
		ePKKP	04 08
		eSS	07 20
		i	08 03
		eSSS	11 54
		i	12 23
		eL	19 08
CHI		e	17 54 12
		ePP	54 42
		eSKS	18 00 00
		eSKKS	01 36
		e(S)	02 40
		ePS	04 25
		ePPS	06 17
		e(SS)	11 30
		eSS	11 54
		eSSS	16 13
		eL	25 20
COL		iP	17 46 (41)
		eP'P'	18 12 29
COLU		eP'	17 53 13
		iPKS	56 40
		iSKS	18 00 25
		i(SKKS)	02 32
		e(SKSP)	06 09
		iSS	13 11
		eSSS	18 14
		eL	30 12
EUR		eP	17 48 08
		iP	48 11
		iPP	52 26
		eSKS	59 01
		iPPS	18 02 24
		e(PKKP)	03 50
		eL	17 23
HONO		iP	17 45 00D
		i	45 17
		ePP	47 43
		ePPP	49 34
		eS	53 56
		e	54 40
		iScS	55 03
		i	57 45
		eSS	58 28
		eSSS	18 00 27
		eL	01 36

T_S = 8 sec. A = 2 mm.
T_L = 14 sec. Amax. = 3mm.

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Date and Station		Phase (GCT) h m s
HH	eP	17 48 09C
	e	51 27
	ePP	52 21
	eSKS	58 45
	e	18 01 53
	iPKKP	03 55
	e(P'P')	12 14
PHIL	ePP	17 55 33
	ePKS	56 41
	eSKS	18 00 26
	e	01 06
	eSKKS	02 29
	eSKSP	05 53
	eSS	13 03
	e	14 17
	e(SSS)	20 05
	eL	33 26
RC	ePP	17 53 25
	eSKS	59 21
	ePS	18 02 52
	eSS	09 38
	eL	24 49
SLC	eP	17 48 23D
	ePP	52 26
	eSKS	59 02
	e	59 54
	e(S)	18 00 30
	ePS	02 06
	ePPS	03 16
	iPKKP	04 00
	eSS	08 02
	eSSS	12 56
	eL	19 14
SJ	iP'	17 53 51C
	i	53 58
	e	55 16
	ePP	57 53
	e	59 29
	iSKKS	18 04 29
	eSKKKS	05 17
	eSKSP	08 06
	ePPPS	11 40
	eSS	17 05
	eSSS	23 24
	eL	38 22
SIT	eP	17 47 08
	i	47 20
	e	48 04
	e	49 02
	ePP	50 28
	iSKS	57 37
	iS	58 00
	eSS	18 04 14
TUC	eP	17 48 34
	e	48 46
	e	48 51
	iPP	53 06
	ePPP	55 14
	eSKS	59 06
	iSKKS	18 00 12
	iPS	02 32
	ePPS	03 16
TUC	i	18 03 50
	eSS	08 36
	eSSS	12 23
	eL	17 38
UK	ePP	17 51 38
	eSKS	58 21
	e(PS)	18 00 41
	eSS	05 59
	e	12 26
	eL	18 13
WASH	eP	17 53 13
	iPP	55 39
	iPKS	56 45
	ePS	18 06 03
	eL	30 07
Aug. 21		
HH	e(P)	21 33 47
Aug. 21		
EUR	e(P)	22 14 54
HH	e(P)	22 14 58
Aug. 22		
COL	i(P)	00 41 19
TUC	eP	00 41 32
Aug. 22		
HH	e(P)	02 58 22
Aug. 22		
HH	i(P)	03 06 21
Aug. 22		
HH	e(P)	05 15 06
Aug. 22		
HH	eP	05 21 23
	e	21 54
Aug. 22		
HH	e(P)	06 08 47
Aug. 22		
SLC	eP	12 50 50
Aug. 22		
COL	eP	13 51 33
Aug. 22		
BC	eP	14 42 03
	i	42 09
	i(S)	42 42
	iL	42 50
EUR	iP	14 42 24
	i	42 36
	i(S)	43 11
	i	43 34
	iL	43 59
Aug. 22		
EUR	eP	15 35 16
Aug. 22		
BC	eP	20 35 14
	i(S)	36 13
	eL	37 26
EUR	iP	20 34 25
	iS	34 52
	iL	35 14
Aug. 22		
BOZ	e(P)	23 08 09
Aug. 22		
COL	iP	23 35 29
EUR	e	23 38 59
Aug. 23		
SLC	eP	01 35 11
Aug. 23		
HH	e(P)	02 56 36
Aug. 23		
BOZ	eP	04 48 16
Aug. 23		
EUR	eP	05 55 14
HH	e(P)	05 58 07
Aug. 23		
HH	iP	09 36 29
Aug. 23		
COL	eP	10 05 37
Aug. 23		
BC	eP	10 15 59
EUR	eP	10 16 25
HH	iP	10 16 50
Aug. 23		
COL	e(P)	13 54 01
Aug. 23		
COL	iP	14 21 24
	e	21 43
Aug. 23		
BC	eP	15 35 39
	iP	35 40
	i	36 01
	i	36 27
BOZ	iP	15 35 31
	eS	38 06
	eL	38 28
BUT	iP	15 35 19
	iS	37 22
	iL	37 36
CHI	e(P)	15 39 41
	eS	44 32
	eL	45 59
COL	iP	15 38 01
	e(PP)	38 35
	iS	42 15
	eL	43 09
EUR	iP	15 34 59
	i	36 13
	iS	36 43
	iL	37 19
HONO	eP	15 39 24
	iPP	40 54
	e(PPP)	41 07
	eS	44 44
	eL	46 45
T_L = 8 sec. $A_{max.}$ = 8 mm.		
HH	iP	15 35 12
	iS	37 13
	iL	37 32
RC	iP	15 36 46
	iPcP	38 54
	iS	40 12
	iL	41 22
SLC	iP	15 35 32
	eS	37 54
	eL	38 22
SJ	iP	15 42 27
	eS	50 23
	eScS	52 20
	eSS	54 33
	eL	56 30
SIT	iP	15 36 08
	eS	38 38
	iL	39 00
TUC	iP	15 36 44
	i	36 56
	i	37 38
	i	38 22
	eS	40 06
	eL	40 36
UK	eP	15 34 00
	eS	35 00
	iL	36 18
WASH	eP	15 39 56
	iP	40 58
	i	40 27
	iPP	41 22
	eS	45 56
	eL	48 10
Aug. 23		
EUR	eP	16 12 21
Aug. 23		
COL	e(P)	16 48 34
Aug. 23		
BH	iP	16 53 25
	iS	54 17

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Date and Station		Phase	(GCT)
			h m s
SJ	eP		16 57 00
Aug. 23			
BC	e(P)		17 40 03
BOZ	eP		17 39 53
EUR	eP		17 39 25
HH	eP		17 39 34
	e		42 33
Aug. 23			
COL	eP		18 22 07
Aug. 23			
COL	eP		21 08 15
EUR	eP		21 10 22
HH	eP		21 09 39
Aug. 23			
BC	e(P)		21 19 55
	e		20 47
	i		20 53
SIC	eP		21 20 07
	eL		21 21
Aug. 23			
HH	e(P)		22 45 11
Aug. 23			
BOZ	eP		22 49 55
EUR	eP		22 49 31
HH	e(P)		22 49 29
Aug. 23			
SJ	e(P)		23 02 23
Aug. 23			
EUR	e(P)		23 12 52
Aug. 24			
SIC	eP		00 12 49
Aug. 24			
HH	eP		02 16 45
Aug. 24			
EUR	eP		03 10 27
HH	eP		03 10 57
Aug. 24			
BC	iP		04 47 40
	i		47 50
COL	iP		04 48 04
	ipP		50 10
EUR	iP		04 47 45
	i		48 05
	epP		49 49
HH	iP		04 48 12

Date and Station		Phase	(GCT)
			h m s
SIC	eP		04 48 02
TUC	iP		04 47 47
Aug. 24			
COL	eP		06 03 00
EUR	eP		06 04 05
HH	e(P)		06 04 13
SJ	eP		06 10 02
Aug. 24			
BC	iP		06 59 43
	i		59 50
BOZ	eP		06 59 29
	iP		59 31
	eL		07 02 29
BUT	iP		06 59 17
	i		07 00 09
	iS		01 46
	iL		03 04
CHI	eS		07 08 32
	eL		13 14
COL	eP		07 01 26
	e		01 50
	eS		05 35
	eL		06 53
EUR	iP		06 59 04
HONO	e(P)		07 03 40
	eS		09 50
	eL		10 35
HH	eP		06 59 03
	iP		59 04
	eL		07 01 44
RC	eP		07 00 42
SIC	eP		06 59 35
	eS		07 02 18
	eL		02 42
TUC	eP		07 00 45
	iP		00 48
	i		00 55
	iS		04 28
	eL		07 16
Aug. 24			
BOZ	eP		07 05 16
BUT	iP		07 05 13
EUR	iP		07 04 51
HH	e(P)		07 04 50
RC	eP		07 06 28
SIC	eP		07 05 21

Date and Station		Phase	(GCT)
			h m s
Aug. 24			
EUR	iP		07 10 33
HH	e(P)		07 10 35
Aug. 24			
BC	eP		07 11 46
BOZ	eP		07 11 33
BUT	iP		07 11 21
EUR	eP		07 11 09
HH	iP		07 11 10
RC	eP		07 12 49
SIC	eP		07 11 38
TUC	e(P)		07 12 48
	e		13 26
Aug. 24			
BC	eP		08 03 17
Aug. 24			
HH	e(P)		08 57 59
Aug. 24			
EUR	eP		09 24 28
Aug. 24			
EUR	eP		10 45 26
HH	e(P)		10 44 28
Aug. 24			
EUR	eP		12 08 04
Aug. 24			
HH	iP		13 07 54
Aug. 24			
BC	iP		14 15 18
COL	eP		14 11 13
	eL		15 01
EUR	iP		14 14 51
	i		15 02
HH	e(P)		14 14 16
	e		17 14
Aug. 24			
COL	iP		15 51 50
EUR	iP		15 51 53
	e		53 26
HH	eP		15 51 59
Aug. 24			
BC	eP		17 06 30
	i		06 51
	i		07 22

Date and Station		Phase	(GCT)
			h m s
EUR	eP		17 06 53
	iP		06 55
	i(S)		07 45
	i		08 05
	iL		08 18
SIC	eP		17 09 52
TUC	e(P)		17 09 06
	e		09 33
Aug. 24			
EUR	eP		17 17 38
Aug. 24			
BOZ	eP		17 32 31
COL	iP		17 29 05
EUR	iP		17 32 39
	i		33 56
	i		34 03
HH	e(P)		17 32 07
Aug. 24			
BC	e(P)		17 37 14
	i		37 33
EUR	eP		17 35 54
	iP		35 56
	iS		36 18
	iL		36 45
Aug. 24			
EUR	iP		18 21 45
	e		22 16
Aug. 24			
BC	eP		18 30 00
BUT	eP		18 29 48
EUR	iP		18 29 48
HH	iP		18 29 37
SIC	eP		18 29 59
Aug. 24			
BC	iP		20 31 53
BOZ	eP		20 32 37
EUR	iP		20 32 18
	e		39 15
HH	eP		20 33 02
	i		35 06
SIC	eP		20 32 06
TUC	eP		20 31 09
	e		31 28
	eL		42 28
Aug. 24			
HH	eP		21 13 42

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

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Date and Station		Phase (GCT)
		h m s
BUT	e(P)	07 02 28
	i	03 04
	e(S)	05 18
	iL	06 04
COL	e(P)	07 06 09
EUR	iP	07 02 05
	iS	04 00
	iL	04 34
HH	e	07 03 09
	eL	06 34
RC	e(P)	07 04 11
SLC	eP	07 02 00
	e	02 25
	i	03 01
	e(S)	04 35
	eL	05 38
TUC	e(P)	07 03 46
	eL	08 58
UK	eP	07 00 59
	eL	01 22
Aug. 27		
BC	eP	08 25 24
EUR	eP	08 26 01
Aug. 27		
BC	eP	10 40 07
Aug. 27		
COL	iP	11 33 40
Aug. 27		
EUR	iP	11 58 36
HH	eP	11 59 07
Aug. 27		
HH	e(P)	12 22 29
Aug. 27		
HH	e(P)	14 18 31
Aug. 27		
EUR	e(P)	15 07 21
Aug. 27		
EUR	eP	15 49 15
	iP	50 18
	i	50 39
	i(S)	51 10
	iL	51 33
Aug. 27		
HH	i(P)	17 27 32
Aug. 27		
EUR	eP	18 14 36
	e	14 55
HH	eP	18 14 22

Date and Station		Phase (GCT)
		h m s
Aug. 27		
TUC	iP	21 05 52
Aug. 27		
BOZ	eP	23 28 25
EUR	eP	23 28 44
HH	e(P)	23 28 34
Aug. 28		
SJ	iP	01 02 32
	iS	03 02
	iL	03 14
Aug. 28		
EUR	iP	03 29 09
Aug. 28		
EUR	eP	07 09 55
Aug. 28		
HH	eP	09 24 51
Aug. 28		
HH	eP	09 56 53
Aug. 28		
COL	iP	10 10 15
	i	10 30
Aug. 28		
BC	eP	10 22 41
	e	23 39
	i	23 50
SJ	e(P)	10 18 03
Aug. 28		
COL	iP	10 55 17
EUR	eP	10 54 44
	e	54 55
HH	e(P)	10 55 12
TUC	eP	10 54 38
Aug. 28		
BC	eP	13 17 48
	eL	18 41
Aug. 28		
COL	iP	13 38 06
HH	e(P)	13 37 18
Aug. 28		
BOZ	eP	13 52 17
COL	iP	13 51 19
EUR	eP	13 52 33
HH	eP	13 52 10
SJ	eP	13 51 39

Date and Station		Phase (GCT)
		h m s
Aug. 28		
HH	e(P)	18 20 24
Aug. 28		
BC	eP	20 09 42
BOZ	eP	20 10 26
	e	12 52
BUT	eP	20 12 53
COL	iP	20 13 53
	i	14 28
EUR	iP	20 10 06
HH	e(P)	20 10 33
	e	10 50
	i	13 00
SLC	eP	20 09 55
	e	12 40
TUC	iP	20 08 55
	i	10 46
Aug. 28		
BH	eP	20 16 27
	eS	20 06
BC	iP	20 19 49C
	e	20 03
BOZ	eP	20 20 35D
	ipP	20 52
	isP	21 04
	iPP	22 08
	iPcP	23 02
	i	23 18
	i	24 16
	iS	26 16
	isS	26 46
	iL	29 06
	iScS	30 50
BUT	iP	20 20 41C
	ipP	20 58
	isP	21 09
	isPP	22 39
	iPcP	23 02
	e	23 53
	iS	26 24
	isS	26 51
	i	27 36
	iL	28 58
	i	29 08
CHI	eP	20 19 19
	esP	20 01
	iS	24 01
	iL	24 31
COL	iP	20 24 02C
	ipP	24 23
	esP	25 41
	e(PP)	26 10
	epPP	27 00
	ePPP	28 15

Date and Station		Phase (GCT)
		h m s
COL	eS	20 32 36
	esS	33 01
	iScS	33 44
	eSS	37 22
	eL	39 19
EUR	eP	20 20 15C
	iP	20 16D
	e	25 33
	iS	25 49
	iScS	26 42
HONO	iP	20 24 06D
	ipP	24 22
	eS	32 19
	isS	32 51
	e(ScS)	34 11
	eSS	36 25
	eL	39 16
T_L = 18 sec. $A_{max.}$ = 1mm.		
HH	eP	20 21 01C
	ipP	21 17
	i	22 34
	iPP	22 45
	ipPP	23 09
	eScP	26 57
	iScP	26 59
	eP'P'	53 04
PHTL	eP	20 19 33
	ePP	20 41
	iS	24 28
	eL	25 23
	iL	25 25
RC	eP	20 20 00
	iPP	21 07
	eS	25 13
	eL	26 19
SLC	eP	20 20 02D
	iP	20 04
	ipP	20 20
	isP	20 33
	i(PP)	21 39
	iPcP	22 52
	iPcS	26 37
	eL	31 10
SJ	eP	20 18 46
	ePP	19 38
	iPcP	22 28
	iS	23 14
	i(ScP)	26 10
	iL	24 20
SIT	eP	20 23 02
	iP	23 04
	e	24 26
	iPP	25 02
	e(PPP)	26 09
	iS	30 36
	e	32 08
	eScS	32 50
	eSS	34 50
	eL	35 28

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

Date and Station		Phase (GCT) h m s
Aug. 30		
BC	iP	17 42 14
	ipP	49 11
BOZ	iP	17 47 00
	e	47 27
BUT	iP	17 46 53
	iPcP	47 21
	epP	48 46
COL	iP	17 44 29
	iPcP	44 44
	epP	46 30
EUR	iP	17 46 59
	iPcP	47 27
	ipP	48 52
HH	iP	17 46 42
	i(PcP)	47 36
	epP	48 31
	ipP	48 40
SLC	iP	17 47 10
	epP	49 04
SJ	eP	17 53 34
TUC	iP	17 47 38
Aug. 30		
COL	iP	19 06 58
Aug. 30		
BC	eP	20 19 41
COL	iP	20 19 41
EUR	iP	20 19 43
	i	20 06
	e(PP)	23 22
SJ	eP	20 25 38
Aug. 30		
SLC	e(P)	22 51 12
Aug. 31		
HH	e(P)	04 35 30
Aug. 31		
COL	eP	08 29 23
Aug. 31		
BUT	eP	09 21 38
EUR	eP	09 21 21
HH	eP	09 20 16
	i(S)	21 17
	iL	21 23
Aug. 31		
HH	e(P)	10 46 49
Aug. 31		
EUR	e(P)	10 55 03
HH	e(P)	10 55 13
Aug. 31		
EUR	eP	12 29 47
HH	eP	12 28 50
	eL	36 03
Aug. 31		
EUR	e(P)	13 41 12
Aug. 31		
HH	eP	17 39 39

Local and Minor Earthquakes		Local and Minor Earthquakes		Local and Minor Earthquakes	
day	hour	day	hour	day	hour
BOZ		EUR		MONT	
Aug.		Aug.		Aug.	
23	22.7	14	09.1	2	09.6
24	04.4		17.4	3	18.6
	04.4		18.2	5	08.3
	04.4		19.2		17.5
26	05.6	15	00.0	6	06.5
			05.1		20.8
DUT			08.6	8	08.1
Aug.		16	01.6		12.6
10	22.6		02.6	9	12.6
12	16.7		04.7		16.7
	21.2		07.2		18.2
13	00.2		12.5	11	12.8
	02.3		12.7		15.2
	17.7		13.4	13	08.9
	22.2		20.9		09.5
19	01.5	17	01.6		13.8
			07.7	14	08.7
COL			12.6	17	05.6
Aug.			13.0	18	06.0
1	01.8		13.2	20	11.8
	09.7	18	00.5		13.2
4	14.5		08.8		
5	10.7		13.4	SIC	
	13.2	19	02.8	Aug.	
7	04.6		10.2	21	07.3
	07.8		10.7	25	22.2
8	10.6		19.3		22.6
10	04.0	20	03.0		
17	13.0		09.5	SJ	
19	04.1		19.3	Aug.	
	13.9	21	06.3	14	00.4
20	02.7		09.0		03.4
	06.1		09.6		03.4
	08.9		22.8	18	03.4
	10.6	22	10.6	19	12.4
21	04.5		17.4	25	10.2
	09.7		20.5	26	12.8
23	01.6		21.3	30	17.8
	03.4	23	04.7	31	01.4
	14.5		21.3		
25	13.2	24	08.0	TUC	
	13.7		20.1	Aug.	
	13.9	25	12.4	3	06.5
	15.7		23.6	4	09.9
26	01.9	26	09.3	11	00.7
27	08.8	27	02.7		11.2
	10.9		06.3		12.5
	11.6		10.6		17.8
28	18.7		16.5	12	16.3
29	04.1	28	08.4	13	22.0
	14.1		10.3		22.5
	18.4		13.3	14	12.0
31	09.7		20.9		12.2
			21.6	15	23.0
EUR			22.8	17	12.9
Aug.		29	13.2	25	06.5
11	01.4	30	12.3	26	05.5
	11.1		15.7		05.7
	11.7		18.8	27	08.4
	11.4	31	04.6	30	05.0
	16.8		22.6		
	18.8				
13	01.1	HONO			
	18.9	Aug.			
	20.2	2	01.4		