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U. S. COAST & GEODETIC SURVEY
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SEISMOLOGICAL BULLETIN

June, 1955

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U. S. DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

R. F. A. Studds, 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
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
Nelson, Nev. (NEL)
**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 U. S. Coast and Geodetic Survey.
**Indicates a station operating on an independent basis.
Other stations are observatories of the U. S. 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 indicate 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 U. S. 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
June	h m s	° '	° '	
1	05 43 04**			Tonga Islands region.
1	15 25 32*	24-1/2 N.	122-1/2 E.	Near east coast of Formosa.
1	16 10 32*	1-1/2 N.	128 E.	Halmahera. h about 100 km.
1	20 23 43**			Yukon-Alaska border.
2	00 18 56*	51-1/2 N.	180	Andreanof Islands, Aleutian Islands. Mag. 6-3/4.
2	00 34 33*	52 N.	179-1/2 W.	Andreanof Islands aftershock.
2	02 02 10*	51-1/2 N.	180	Do.
2	07 34 04**			Do.
2	11 25 56**			Bismarck Sea.
2	23 34 31*	40 N.	25-1/2 E.	Near west coast of Turkey.
3	01 35 02*	38-1/2 N.	141 E.	Honshu, Japan.
3	05 16 56*	51-1/2 N.	179 W.	Andreanof Islands, Aleutian Islands. h about 100 km.
3	11 11 15*	9 S.	74 W.	Peru-Brazil border. h about 150 km.
3	11 39 35*	62 N.	4 E.	Near west coast of Norway. Felt in southwestern Norway.
4	14 39 30*	34 N.	140 E.	South of Honshu, Japan.
4	16 51 22*	40 N.	142-1/2 E.	Off coast of northern Honshu, Japan. h about 60 km.
4	17 22 31*	40 N.	142-1/2 E.	Do.
4	19 06 15*	16 S.	173 W.	Samoa Islands. Felt at Apia.
5	01 53 16*	51-1/2 N.	180	Andreanof Islands, Aleutian Islands. Mag. 6-1/4 - 6-1/2.
5	02 13 42*	51 N.	179-1/2 E.	Andreanof Islands aftershock.
5	06 11 18*	24-1/2 N.	122 E.	Near northeast coast of Formosa. Felt at Taipei.
5	08 38 30*	18 S.	178 W.	Fiji Islands. h about 400 km.
5	14 56 13*	36-1/2 N.	1-1/2 E.	Near north coast of Algeria.
5	15 43 07*	40 N.	75-1/2 E.	Sinkiang province, China.
5	22 45 17**			Marianas Islands.
6	01 17 09*	12 N.	144 E.	Do.
6	05 59 06*	40-1/2 N.	142-1/2 E.	Near north coast of Honshu, Japan.
6	14 18 15**			Tonga Islands region.
6	14 36 49*	11 S.	162 E.	Solomon Islands.
6	21 08 32**			Do.
7	00 48 56*	27-1/2 N.	101 E.	Sikang province, China.
7	15 30 15*	27 N.	100-1/2 E.	Do.
8	13 47 22*	51-1/2 N.	175 E.	Near Islands, Aleutian Islands.

Date 1955	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
June	h m s	° '	° '	
8	17 08 13*	16 N.	94 W.	Near coast of Chiapas, Mexico. h about 100 km.
8	22 16 03*	13 S.	167 E.	New Hebrides Islands. h about 200 km.
9	04 05 20*	16 S.	179 W.	Fiji Islands.
10	15 53 19**			350 miles south of Easter Island.
10	18 55 00**			500 miles south of Easter Island.
10	22 00 31*	15 S.	177-1/2 W.	Fiji Islands.
11	03 37 19**			Santa Cruz Islands.
11	21 12 27*	16-1/2 S.	179 W.	Fiji Islands. h about 650 km.
11	22 19 40*	27 S.	63 W.	Santiago del Estero province, Argentina. h about 600 km.
11	23 06 18**			Off coast of Luzon, Philippine Islands.
12	00 12 00**			350 miles south of Easter Island.
12	01 15 25*	29-1/2 S.	178-1/2 W.	Kermadec Islands.
12	05 14 58*	49 N.	156 E.	Kurile Islands.
12	20 30 45*	49 N.	155 E.	Do.
13	05 05 28*	29-1/2 N.	130 E.	Ryukyu Islands.
13	13 52 59*	47 N.	151 E.	Kurile Islands.
13	19 17 21*	24 N.	122-1/2 E.	Off coast of Formosa.
13	19 49 00**			Northern Celebes.
13	21 36 06*	21-1/2 S.	170-1/2 E.	Loyalty Islands region. h about 100 km.
14	02 57 37**			Bonin Islands region.
14	03 42 50*	6 N.	78-1/2 W.	Off coast of Colombia.
14	06 11 18*	20 N.	107 W.	Off coast of Colima, Mexico. Mag. 7.
14	07 36 29**			Colima, Mexico aftershock. Mag. 5-3/4 - 6.
14	10 32 04*	1 S.	150 E.	New Ireland region.
14	15 00 30*	1/2 N.	80 W.	Near coast of Ecuador.
14	15 59 48*	13-1/2 N.	120 E.	Near Mindoro Island, Philippine Islands.
14	17 21 57*	36-1/2 N.	141-1/2 E.	Near east coast of Honshu, Japan.
14	19 30 53*	25 N.	113 W.	Near west coast of Lower California.
15	01 03 56*	39-1/2 N.	71 E.	Tadzhik S. S. R.
15	03 01 05*	21 S.	169 E.	Loyalty Islands.
15	10 06 16*	16 N.	93-1/2 W.	Near coast of Chiapas, Mexico.
15	12 28 36*	18-1/2 N.	146 E.	Marianas Islands.
15	15 36 27*	3 S.	153 E.	New Ireland. h about 100 km.

Date 1955	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
June	h m s	° ′	° ′	
16	06 04 36**			Marianas Islands region.
16	12 37 15*	25 N.	113-1/2 W.	Off coast of Lower California.
16	13 56 43**			New Hebrides Islands.
17	08 06 31*	22 N.	122 E.	Near east coast of Formosa. Felt at Hsulien and Taitung.
17	17 59 48*	20-1/2 S.	175 W.	Tonga Islands. h about 200 km.
18	00 31 45**			Kurile Islands.
18	04 43 26*	46-1/2 N.	155 E.	Kurile Islands region.
18	16 07 20*	24 N.	122 E.	Near east coast of Formosa. Felt at Taipei.
19	19 21 05*	39 N.	118-1/2 W.	Near Fallon, Nevada. Mag. 5-1/4 (Berk.)
19	19 25 19**			Near Fallon, Nevada. Mag. 5 (Berk.)
19	19 36 14*	53 N.	166-1/2 W.	Fox Islands, Aleutian Islands.
19	21 25 21*	53-1/2 N.	166 W.	Fox Islands, Aleutian Islands.
20	12 07 25*	51-1/2 N.	180	Andreanof Islands, Aleutian Islands. Mag. 6-3/4.
21	09 53 30*	27-1/2 S.	63 W.	Santiago del Estero province, Argentina.
21	10 51 00*	52 N.	161-1/2 E.	Off coast of Kamchatka.
21	12 40 28*	29 N.	139-1/2 E.	Bonin Islands region. h about 350 km.
21	15 58 55*	12 N.	144 E.	Marianas Islands.
21	21 35 07*	7 S.	80-1/2 W.	Near coast of northern Peru.
22	11 11 25**			Fiji Islands region.
23	08 39 43*	37 N.	141 E.	Near east coast of Honshu, Japan. h about 60 km.
23	11 19 18*	42 N.	71 E.	Kirgiz S. S. R.
23	22 13 31*	44-1/2 N.	149 E.	Kurile Islands. h about 60 km.
24	04 36 20**			Bangka Island, Netherlands Indies.
25	17 41 27*	9-1/2 N.	122 E.	Negros Island, Philippine Islands. Felt at Dumaguete.
26	21 12 29**			North central Turkey.
27	01 58 30*	19-1/2 N.	108 W.	Off coast of Colima, Mexico.
27	10 14 06*	32 N.	78-1/2 E.	India-Tibet border.
27	13 46 10*	31-1/2 N.	78-1/2 E.	Do.
27	16 11 44*	1 N.	128-1/2 E.	Halmahera.
27	18 09 12*	10-1/2 S.	166 E.	Santa Cruz Islands.
28	04 28 07*	86-1/2 N.	70 E.	North Polar region. Mag. 6.
28	05 27 34**			100 miles off east coast of Mindanao, Philippine Islands.
28	06 18 53*	23 S.	176 W.	Tonga Islands region. h about 400 km.

Date 1955	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
June	h m s	° '	° '	
28	07 32 22**			Tonga Islands region.
29	03 23 58*	8-1/2 N.	127 E.	Off east coast of Mindanao, Philippine Islands.
29	03 34 22*	10 N.	126-1/2 E.	Off north coast of Mindanao, Philippine Islands.
29	04 48 40*	8-1/2 S.	110-1/2 E.	Near south coast of Java.
29	04 54 52*	29 N.	131 E.	Ryukyu Islands.
29	09 53 38*	6-1/2 S.	148 E.	New Guinea.
29	15 40 18*	8-1/2 N.	125-1/2 E.	Mindanao, Philippine Islands.
30	04 07 16*	48-1/2 N.	155-1/2 E.	Kurile Islands.
30	20 29 16**			150 miles off coast of Oregon.
30	22 02 04*	10 N.	126 E.	Mindanao Island aftershock.

Date and Station		Phase (GCT) h m s
June 1		
COL	iP	01 03 27
June 1		
HH	e(P)	03 40 22
June 1		
HH	iP	04 56 19
	i	56 27
	iS	57 02
	iL	57 06
June 1		
COL	iP	05 55 35
HH	e(P)	05 55 36
NEL	iP	05 55 01.3
June 1		
COL	iP	06 32 10
	ipP	32 47
HH	eP	06 29 09
	i	31 18
NEL	iP	06 28 54.3
June 1		
COL	iP	09 09 39
HH	e(P)	09 10 57
June 1		
BC	iP	10 25 42.1
COL	iP	10 28 27
HH	eP	10 26 30
NEL	iP	10 25 41.0
	ipP	26 42.8
SJ	iP	10 21 34
	i	22 28
TUC	iP	10 25 10
June 1		
HH	e(P)	11 35 54
June 1		
BC	iP	12 21 25.7
COL	iP	12 17 45
HH	eP	12 20 38
NEL	iP	12 21 26.6
June 1		
COL	eP	13 01 08
HH	e(P)	13 04 01
June 1		
HH	eP	14 09 15

Date and Station		Phase (GCT) h m s
June 1		
HH	e(P)	14 20 50
June 1		
COL	eP	14 36 18
June 1		
BC	iP	14 48 43.4
	i	48 51.3
BOZ	e(P)	14 47 17
HH	e(P)	14 48 23
	e	49 03
NEL	iP	14 47 25.6
	i	48 51.8
June 1		
NEL	eP	15 03 59
June 1		
COL	iP	15 36 34
HH	iP	15 38 41
June 1		
COL	iP	16 23 07
HH	eP	16 24 44
	epP	25 11
	e	28 06
	eP'	28 47
	ePP	29 07
	iPKKP	40 24
NEL	eP	16 25 02
	iP'	29 01.4
	iPP	29 28.3
SJ	iP'	16 30 48
June 1		
HH	iP	16 59 40
June 1		
MONT	eP	17 17 09
June 1		
COL	eP	20 25 09
	iP	25 11
	i	25 29
	iL	26 39
HH	eP	20 28 11
	eL	34 11
NEL	iP	20 29 52.9
SIT	eP	20 24 22
	eS	25 02
	eL	25 24
June 1		
HH	eP	21 21 31
June 1		
HH	e(P)	21 50 53

Date and Station		Phase (GCT) h m s
June 1		
COL	eP	21 59 34
June 1		
COL	iP	22 20 44
NEL	iP	22 20 07.5
June 2		
HH	iP	00 23 39
June 2		
BC	iP	00 27 38.2C
	i	27 39.8
	i	28 25.4
	eS	34 35
BOZ	iP	00 27 11D
	i	27 50
	i	28 18
	i	31 08
	iS	33 39
	i	33 58
	eL	37 08
	iSoS	37 14
BUT	iP	00 27 00D
	i	29 30
	eS	33 30
	i	34 05
	eL	37 09
CHI	eP	00 29 06S,E
	eS	37 14
	eSS	41 20
	eL	43 19
COL	iP	00 23 47C
	i	23 49
	i(S)	27 41
	iL	27 52
COLU	iP	00 30 07C
	ePP	32 52
	iS	39 07
	e(SS)	43 06
	eL	50 00
	eP'P'	58 22
HH	iP	00 26 46C
	i	27 34
	i	30 42
	eS	32 52
	e	33 01
	eSoS	36 50
	e	57 26
	eP'P'	58 34
LOG	iP	00 27 26C
	e	30 36
	eS	34 12
MONT	eP'	00 37 51
	ePP	39 44
NEL	iP	00 27 39.4C
	i	27 41.2
	iSoP	32 58.4
	i	33 39.4

Date and Station		Phase (GCT) h m s
PHIL	eP	00 29 56
	eS	39 00
	eSoS	39 50
	e(SS)	44 07
	eL	46 40
RC	e(P)	00 28 07
	ePPP	30 48
	eS	35 12
	ePoP	37 32
SLC	iP	00 27 29D
	i	27 48
	i(PP)	29 36
	eS	34 11
	i	34 23
	i	35 40
	iSoS	37 21
	eL	38 05
SJ	iP	00 31 59C
	eSKS	42 24
	eS	42 46
	ePPS	44 19
	e(SS)	48 06
	eSSS	52 31
	eL	55 05
SIT	eP	00 24 34
	iP	24 35
	iS	29 16
	iL	30 00
TUC	iP	00 28 15C
	i	28 43
	ePP	30 08
	iPPP	31 27
	iS	35 42
	iSoS	38 06
	eSS	39 21
	i	40 09
	eL	41 28
UK	e(P)	00 26 47
	eS	32 44
	eL	35 40
WASH	iP	00 29 58C
	e(PP)	33 00
	eS	38 50
	iSoS	39 54
	eL	47 03
June 2		
COL	iP	00 31 26
	i	35 16
SJ	iP	00 35 55
June 2		
BC	iP	00 43 10.9
BOZ	eP	00 42 43
COL	iP	00 39 20
HH	iP	00 42 18

Date and Station		Phase	(GCT) h m s
NEL	iP		00 43 12.2
	i		43 15.4
June 2 COL	iP		00 51 35
June 2 BC	eP		02 10 52
	i		11 05.7
	eScP		16 14
	eS		17 49
BOZ	iP		02 10 25
BUT	iP		02 10 13
	e		12 45
	eS		16 46
	eL		20 22
COL	iP		02 07 00
	iS		10 55
	eL		11 46
COLU	iP		02 13 21
	iS		22 24
	eSS		27 24
	eL		34 00
HH	iP		02 09 59
	eS		16 15
LOG	iP		02 10 40
	eS		17 20
NEL	eP		02 10 51
	i		10 56.9
	iScP		16 07.2
	eS		17 56
PHIL	eP		02 13 12
	e(S)		23 05
	eL		34 08
SLC	iP		02 10 43
	i		10 52
	i		11 02
	eS		17 31
	i		17 49
	iScS		20 39
	eL		21 32
SJ	iP		02 15 13
	eSKS		25 41
	eS		26 05
	e(PPS)		27 28
	eL		38 34
TUC	iP		02 11 29
	eL		27 08
June 2 COL	iP		02 14 41
June 2 COL	iP		02 18 22
HH	e(P)		02 20 04
June 2 COL	eP		03 12 03
	i		12 07
HH	eP		03 15 00
TUC	e(P)		03 16 30
June 2 COL	eP		05 09 08
June 2 COL	iP		06 21 52
June 2 HH	eP		07 12 13
June 2 COL	eP		07 38 55
HH	eP		07 41 53
TUC	eP		07 43 22
June 2 BUT	e(P)		08 59 56
HH	e(P)		09 00 41
June 2 COL	eP		11 38 25
NEL	eP'		11 44 15
	e		44 20
SJ	eP'		11 45 55
June 2 NEL	eP		12 31 37
TUC	iP		12 31 44
June 2 NEL	eP		13 04 55
June 2 COL	iP		13 55 23
June 2 COL	iP		16 12 11
June 2 NEL	eP		19 30 59
	e		32 22
June 2 NEL	eP		20 01 25
	e		02 13
June 2 HH	e(P)		21 11 58
June 2 HH	eP		22 53 19
NEL	eP		22 52 31
June 2 BC	e(PP)		23 52 51
BOZ	eP		23 47 17
BUT	eP		23 47 22
COL	iP		23 46 17
HH	iP		23 47 09
NEL	e(PP)		23 52 42
June 3 HH	e(P)		01 21 01
June 3 BC	iP		01 47 03
BOZ	e(P)		01 46 42
COL	iP		01 43 44
HH	iP		01 46 22
NEL	iP		01 47 04.0
	e		47 30
SLC	eP		01 46 57
TUC	iP		01 47 30
June 3 BC	eP		05 25 28
BOZ	iP		05 25 01
BUT	eP		05 24 50
COL	iP		05 21 38
	ipP		22 03
HH	iP		05 24 34
NEL	iP		05 25 28.7
SJ	iP		05 29 48
TUC	iP		05 26 05
June 3 COL	eP		05 29 13
June 3 SJ	eP		06 46 35
June 3 HH	e(P)		08 05 09
June 3 HH	e(P)		08 27 38
June 3 BC	eP		09 35 03
	e		35 19
NEL	eP		09 35 05
	i		35 14.1
June 3 COL	iP		11 24 10
	ipP		24 51
COL	e		11 26 08
HH	eP		11 22 00
NEL	eP		11 21 03
	i		21 05.5
	ipP		21 49.0
SJ	eP		11 17 00
TUC	eP		11 20 31
June 30 COL	eP		11 48 48
HH	e(P)		11 49 21
June 3 COL	eP		12 19 19
	iP		19 25
June 3 COL	eP		15 29 57
	e		30 37
June 3 HH	e(P)		16 42 24
	e		43 52
June 3 BC	iP		17 45 25.3
COL	eP		17 41 06
HH	e(P)		17 44 16
NEL	eP		17 45 03
June 3 HH	e(P)		18 43 36
	e		44 00
June 3 HH	i(P)		20 08 49
June 3 HH	eP		21 09 01
	e(S)		10 01
	eL		10 11
June 3 HH	e(P)		21 34 41
June 3 HH	eP		21 57 04
June 3 HH	iP		23 33 35
	ipP		33 56
NEL	iP		23 35 05.5
	i		35 25.9
June 3 HH	i(P)		23 53 59
June 4 COL	iP		01 35 42

6 4297-4

Date and Station		Phase (GCT)
		h m s
SJ	eP	01 32 16
June 4		
HH	e(P)	01 47 43
June 4		
COL	iP	01 51 45
	iS	52 11
June 4		
NEL	eP	02 31 58
June 4		
HH	e(P)	05 18 00
	e	19 42
June 4		
HH	e(P)	06 49 40
June 4		
SLC	eP	08 48 23
	e	49 55
June 4		
HH	e(P)	09 59 51
June 4		
BC	eP	12 59 23
COL	iP	12 55 29
HH	e(P)	12 58 51
NEL	eP	13 00 32
June 4		
COL	eP	14 48 43
HH	iP	14 51 14
NEL	iP	14 51 50.8
	e	52 17
June 4		
HH	iP	16 44 43
	i	45 13
June 4		
BC	iP	16 59 33.3
COL	iP	16 58 55
HH	eP	16 58 41
NEL	iP	16 59 32.0
	i	59 44.2
June 4		
BC	eP	17 03 05
	ipP	03 20.3
BOZ	eP	17 02 44
COL	iP	16 59 44
	i	59 52
	eS	17 06 22
	eSSS	09 22
	eL	12 00

Date and Station		Phase (GCT)
		h m s
HH	iP	17 02 25
	ipP	02 37
MONT	eP'	17 11 04
NEL	iP	17 03 08.8
	ipP	03 23.5
SLC	eP	17 03 11
TUC	eP	17 03 36
	eL	29 24
June 4		
BC	iP	17 34 19.1
BOZ	eP	17 33 55
BUT	e(P)	17 33 51
COL	iP	17 30 53
	i	31 03
HH	iP	17 33 36
	ipP	33 48
MONT	eP'	17 42 14
NEL	iP	17 34 19.9
	ipP	34 35.0
TUC	eP	17 34 46
June 4		
COL	iP	19 15 57
June 4		
BC	iP	19 18 03.1
BOZ	eP	19 18 43
BUT	eP	19 18 40
COL	iP	19 18 41
HH	iP	19 18 41
NEL	iP	19 18 02.8
SLC	eP	19 18 28
TUC	eP	19 18 09
June 4		
BC	iP	20 09 40.9
HH	eP	20 10 42
MONT	eP	20 04 06
NEL	iP	20 09 39.7
	i	09 53.9
TUC	iP	20 09 05
June 4		
BC	iP	20 46 12.3
NEL	iP	20 46 08.7

Date and Station		Phase (GCT)
		h m s
June 4		
COL	iP	21 41 22
June 5		
BC	eP	02 01 58
	i	02 01.9
	iScP	07 18.4
	iPcS	07 25.7
	i	08 54.8
BOZ	iP	02 01 30
	i	01 47
BUT	iP	02 01 22
	i	01 53
	e	07 22
	iS	07 50
	eL	11 20
COL	iP	01 58 07
	iS	02 02 00
	i(PcP)	02 06
	iL	02 41
COLU	iP	02 04 26
	iS	13 28
	eL	21 25
HH	iP	02 01 05
	iPcP	03 16
	eScP	06 54
	ePcS	07 05
	e(S)	07 13
	eScS	11 06
NEL	iP	02 01 59.1
	iScP	07 18.3
PHIL	eS	02 13 11
	e(ScS)	13 31
	eL	25 00
SLC	eP	02 01 49
	iP	01 50
	i	02 01
	ePP	04 05
	e	05 14
	iS	08 38
	i	08 54
	eScS	11 24
	eL	12 22
SJ	iP	02 06 18
	i	06 34
	e	07 38
	eSKS	16 43
	eS	17 06
	e	17 09
	eSS	22 52
	eL	30 20
TUC	iP	02 02 35
	i	02 43
	ePcP	03 26
	iPP	04 25
	iS	10 03
	eSS	14 10
	eL	18 18

Date and Station		Phase (GCT)
		h m s
UK	eS	02 07 11
	eL	12 12
WASH	iP	02 04 15
	eL	29 51
June 5		
SJ	eP	02 16 52
June 5		
BC	iP	02 22 29.1
BOZ	eP	02 21 58
COL	iP	02 18 36
HH	eP	02 21 32
	i	21 48
NEL	iP	02 22 28.5
	i	22 38.7
SJ	eP	02 26 46
TUC	eP	02 23 06
June 5		
HH	iP	03 19 09
NEL	i(P)	03 18 22.3
June 5		
HH	eP	03 58 56
June 5		
COL	iP	04 01 50
	e	02 39
HH	eP	04 04 43
NEL	eP	04 05 32
	e	05 51
June 5		
COL	eP	04 46 51
June 5		
COL	eP	05 46 22
June 5		
BC	eP	06 25 15
BOZ	eP	06 24 51
BUT	eP	06 24 43
COL	iP	06 22 22
	iSS	36 16
	eL	39 46
HH	iP	06 24 32
	eS	35 03
MONT	eP'	06 31 32
NEL	eP	06 25 06
	i	25 19.1

Date and Station		Phase	(GCT) h m s
SJ		eP'	06 30 45
TUC		eP	06 25 41
		ePP	29 47
		eL	07 02 16
WASH		eL	07 17 44
June 5 HH		iP	06 32 10
June 5 BC		iP	08 50 03.6
BOZ		eP	08 50 40
COL		iP	08 50 30
		ipP	51 59
HH		iP	08 50 37
NEL		iP	08 50 03.1
		ipP	51 28.9
TUC		iP	08 50 10
June 5 COL		eP	11 40 33
June 5 SLC		iP	14 08 36
TUC		e(P)	14 15 23
June 5 BC		iP	15 09 02.3
BUT		iP	15 08 20
COL		iP	15 08 05
HH		e(P)	15 08 42
MONT		eP	15 09 12
NEL		iP	15 09 02.9
SJ		iP	15 06 34
TUC		eP	15 09 04
June 5 COL		iP	15 54 22
HH		eP	15 56 19
June 5 COL		eP	16 01 16
June 5 HH		e(P)	21 13 28
June 5 HH		e(P)	22 49 02
NEL		eP	22 47 34
June 5 BC		iP	22 58 33.4
BUT		eP	22 58 23
COL		iP	22 56 31
HH		eP	22 58 18
NEL		iP	22 58 31.6
		i	58 34.2
		epP	59 01
June 5 HH		iP	23 08 47
June 6 BC		iP	01 30 22.9
BOZ		eP	01 30 21
		e	33 58
BUT		iP	01 30 17
COL		iP	01 28 23
HH		iP	01 30 08
MONT		eP'	01 36 57
NEL		iP	01 30 23.4
		i	30 52.2
SLC		eP	01 30 27
TUC		eP	01 30 46
June 6 COL		iP	01 45 11
HH		eP	01 40 35
NEL		iP	01 40 50.2
June 6 NEL		e(P)	04 39 47
June 6 BC		iP	06 09 12.6
HH		e(P)	06 09 46
NEL		iP	06 09 11.3
TUC		iP	06 09 19
June 6 BC		e	06 10 55
BOZ		eP	06 10 31
COL		eP	06 07 30
		iP	07 38
HH		iP	06 10 12
		i	10 24
NEL		eP	06 10 56
June 6 BC		eP	09 21 16
		iS	22 19.1
BOZ		eP	09 22 18
		eS	23 43
		eL	24 05
HH		eP	09 22 34
		eL	25 14
NEL		eP	09 21 19
		i(S)	22 30.0
SLC		eP	09 21 30
		i	21 51
		e(S)	22 25
		eL	22 56
June 6 BC		iP	10 02 13.1
HH		eP	10 02 36
MONT		e(P)	10 01 33
NEL		iP	10 02 13.0
		e	02 25
SJ		iP	09 54 29
		i(S)	55 50
		iL	55 58
June 6 BC		iP	14 30 38.1
		i	33 11.5
COL		iP	14 31 11
HH		eP	14 31 14
NEL		iP	14 30 37.1
TUC		iP	14 30 43
June 6 COL		iP	14 49 23
June 6 COL		iP	16 31 33
June 6 NEL		iP	17 45 44
June 6 HH		e(P)	18 09 05
June 6 COL		eP	18 44 50
HH		e(P)	18 46 03
NEL		eP	18 46 01
June 6 HH		e(P)	20 31 30
		eL	34 20
June 6 COL		eP	21 21 09
NEL		eP	21 21 40
June 6 HH		i(P)	21 30 05
June 6 NEL		eP	21 50 55
June 6 HH		e(P)	22 20 14
		e	20 45
June 6 HH		e(P)	22 53 56
		e	55 46
		e	56 20
June 6 COL		e(P)	23 59 48
		e	00 00 27
NEL		eP	23 54 04
June 7 COL		eP	00 42 04
HH		iP	00 41 16
NEL		eP	00 40 59
		e	41 12
June 7 BOZ		e(P)	01 02 56
		ePP	06 47
COL		iP	01 00 32
		iS	10 06
		eL	17 48
HH		eP	01 02 36
		e	06 44
		e	07 02
SLC		e(P)	01 07 39
		eL	38 13
TUC		eP	01 07 35
		eL	46 17
June 7 TUC		iP	01 34 24
June 7 HH		eP	02 25 09
SJ		eP	02 19 48
TUC		eP	02 23 38
June 7 BC		iP	04 51 20.0
		i	51 27.1
BOZ		eP	04 50 45
COL		eP	04 52 15
HH		eP	04 50 54
		i	51 03

Date and Station		Phase (GCT)
		h m s
NEL	iP	04 51 21.0
	i	51 27.4
SLC	eP	04 50 57
SJ	eP	04 46 46
TUC	eP	04 51 08
June 7 COL	eP	05 14 44
June 7 HH	eP	09 19 20
	e(S)	19 36
	eL	19 39
June 7 BOZ	eP	13 44 38
COL	eP	13 51 20
	i	51 26
June 7 COL	iP	15 41 54
HH	e(P)	15 44 57
MONT	eP'	15 50 24
NEL	eP'	15 48 46
	ePKKP	59 55
June 7 COL	eP	16 36 57
June 7 BOZ	eP	18 23 50
COL	iP	18 20 28
HH	iP	18 23 25
	e	25 31
NEL	eP	18 24 19
	e	26 04
	e	27 23
June 7 COL	iP	22 19 20
HH	eP	22 20 31
NEL	iP	22 20 27.9
June 7 HH	iP	23 53 33
June 8 BC	iP	01 33 52.2
COL	iP	01 29 53
HH	eP	01 32 58
NEL	iP	01 33 53.2
	ipP	34 10.0

Date and Station		Phase (GCT)
		h m s
June 8 COL	eP	02 54 37
June 8 HH	eP	05 49 08
June 8 BC	iP	12 23 15.9
	i	23 26.7
	iS	24 18.7
BOZ	eP	12 24 23
	eS	26 49
	eL	27 56
BUT	eP	12 24 47
	eS	26 35
	eL	26 47
HH	e(P)	12 24 46
	eL	27 24
NEL	iP	12 23 19.4
	i	23 30.8
	i(S)	24 16.9
SLC	eP	12 23 54
	eS	24 49
	eL	25 13
TUC	eP	12 24 26
June 8 NEL	eP	12 57 57
June 8 NEL	eP	13 04 03
June 8 BC	eP	13 27 55
COL	iP	13 22 15
	i	26 33
HH	iP	13 26 30
NEL	iP	13 27 57.9
June 8 BC	iP	13 56 27.7
	i	56 38.0
COL	iP	13 52 32
	eS	57 12
	eL	59 38
HH	iP	13 57 19
NEL	eP	13 56 28
	iP	56 28.8
	i	56 38.8
SJ	iP	14 00 36
	i	00 46
TUC	iP	13 57 03
June 8 COL	iP	14 32 47
	i	33 00

Date and Station		Phase (GCT)
		h m s
June 8 BOZ	eP	17 14 46
BUT	eP	17 14 55
COL	iP	17 18 20
	ipP	18 41
COLU	iP	17 13 05
	ipP	13 31
HH	iP	17 15 15
	epP	15 38
MONT	eP	17 16 27
NEL	iP	17 13 55.7
	ipP	14 19.1
	e	23 07
TUC	iP	17 13 11
	ipP	13 32
June 8 COL	iP	17 43 39
June 8 COL	iP	18 00 26
	i	00 49
June 8 COL	iP	18 19 51
June 8 COL	iP	19 05 07
June 8 COL	eP	21 04 20
NEL	eP	21 08 41
June 8 COL	eP	21 32 05
	e	32 29
June 8 COL	iP	22 02 17
	e	02 54
June 8 COL	iP	22 28 19
	ipP	29 08
HH	eP	22 28 55
	epP	29 46
NEL	iP	22 28 35.9
	ipP	29 26.4
TUC	iP	22 28 46
June 8 HH	e(P)	22 49 55
June 8 COL	eP	23 17 24
HH	e(P)	23 16 33

Date and Station		Phase (GCT)
		h m s
June 9 HH	e(P)	00 29 05
NEL	iP	00 28 32.2
	e	31 39
TUC	iP	00 28 39
June 9 HH	e(P)	02 42 00
NEL	eP	02 44 02
TUC	eP	02 44 10
June 9 BOZ	eP	04 18 04
COL	iP	04 17 50
HH	iP	04 18 00
	e	21 31
NEL	iP	04 17 27.7
	iPP	20 34.6
TUC	iP	04 17 34
June 9 COL	eP	10 17 15
NEL	eP	10 18 41
June 9 HH	e(P)	18 02 31
June 9 COL	iP	18 41 09
June 9 HH	i(P)	20 33 01
June 9 BC	eP	23 06 55
COL	iP	23 03 00
	e	03 09
	i	03 17
HH	iP	23 06 03
NEL	iP	23 06 55.3
June 9 HH	eP	23 30 15
NEL	iP	23 30 32.3
June 10 COL	iP	00 14 30
NEL	eP	00 17 32
June 10 COL	iP	00 18 01
June 10 BC	eP	00 49 41

Date and Station		Phase (GCT) h m s
COL	iP	00 50 10
HONO	eL	00 55 18
HH	e(P)	00 50 17
NEL	iP	00 49 40.0
SLC	eP	00 50 08
TUC	eP	00 48 47
June 10		
BC	iP	01 00 03.4
COL	iP	01 00 16
	i	00 22
HH	e(P)	01 02 43
NEL	eP	01 00 03
	e	00 08
June 10		
HH	e(P)	04 09 49
June 10		
COL	eP	04 45 47
June 10		
HH	e(P)	05 27 49
June 10		
NEL	eP	07 30 05
TUC	iP	07 30 12
June 10		
HH	e(P)	14 12 37
June 10		
NEL	eP	15 58 55
	epP	59 38
June 10		
BC	iP	16 04 22.7
BOZ	eP	16 05 18
HH	iP	16 05 33
MONT	iP	16 00 25
NEL	iP	16 04 20.9
June 10		
HH	eP	16 10 20
NEL	eP	16 09 08
June 10		
COL	iP	16 31 58
June 10		
HH	iP	17 30 44
June 10		
HH	e(P)	18 07 56

Date and Station		Phase (GCT) h m s
June 10		
BC	eP	18 27 31
	i	27 37.3
	iS	28 13.6
NEL	iP	18 27 40.6
	i(S)	28 23.5
	iL	28 28
June 10		
BC	iP	19 06 18.0
BOZ	eP	19 07 14
HH	iP	19 07 29
MONT	iP	19 02 20
NEL	iP	19 06 15.8
TUC	eP	19 05 53
June 10		
BC	iP	22 12 31.9
BUT	e(P)	22 12 30
COL	iP	22 12 58
	iPP	17 21
	e	22 54
	eL	39 00
HONO	eL	22 18 03
HH	eP	22 13 07
	ePP	17 30
	e	23 49
NEL	iP	22 12 30.5
SLC	eP	22 13 12
TUC	eP	22 12 38
June 11		
NEL	eP	00 40 19
June 11		
COL	iP	01 39 29
June 11		
COL	iP	03 49 50
HH	e(P)	03 50 29
	e	50 59
NEL	iP	03 50 10.6
	e	51 21
TUC	eP	03 50 22
June 11		
NEL	eP	05 09 24
June 11		
COL	iP	05 38 55
June 11		
NEL	eP	08 18 50

Date and Station		Phase (GCT) h m s
June 11		
HH	e(P)	11 44 13
June 11		
HH	eP	18 59 53
	i	19 00 14
June 11		
COL	iP	20 07 44
June 11		
MONT	eP	20 24 06
June 11		
BC	iP	21 23 34.9
BOZ	eP	21 24 10
	epP	26 27
BUT	eP	21 24 07
	epP	26 23
COL	iP	21 23 59
	epP	26 17
HH	iP	21 24 07
	epP	26 24
NEL	iP	21 23 34.5
	ipP	25 53.7
SLC	iP	21 23 56
	epP	26 12
SJ	iP'	21 29 48
TUC	iP	21 23 41
	i	24 06
June 11		
BC	iP	22 30 49.4
	i	30 57.7
	ipP	32 55.4
	iS	39 31.4
	e(ScS)	40 06
	eP'P'	57 08
	iP'P'	57 21
BOZ	iP	22 31 15
	i	31 29
	ipP	33 24
	eP'P'	57 10
BUT	iP	22 31 21
	i	31 39
	ipP	33 30
	ePP	34 34
	epPP	36 43
	eS	41 04
	iS	41 07
	iSP	42 25
	eSS	47 13
	eL	51 20
COL	iP	22 33 18
	iP'	37 10
	iPP	37 50
	epPP	40 11
	eP'KKP	48 05

Date and Station		Phase (GCT) h m s
June 11		
COL	eP'P'	22 56 43
	eP'P'P'	23 17 25
COLU	iP	22 29 13
	i	29 45
HH	iP	22 31 30
	epP	33 40
	esP	34 32
	e	36 29
	iSKS	41 01
	iS	41 21
	iPKKP	49 14
	eP'P'	57 56
	eSKPP'	59 33
	e(P'P'P')	23 17 26
MONT	iP	22 21 28
	eScS	33 06
	e	57 48
NEL	iP	22 30 48.4
	i	31 10.4
	ipP	32 54.5
	iS	39 35.3
	i(ScS)	40 05.5
	iPKKP	49 33.6
	eP'P'	57 18
	iP'P'	57 40.5
	iSKPP'	23 00 11.4
PHIL	eP	22 29 39
	epP	31 39
	iS	37 54
	eScS	38 46
	eSS	42 17
	eL	47 04
SLC	iP	22 30 58
	i	31 19
	eS	40 23
	iS	40 25
	eSS	45 46
	eSSS	49 24
SJ	iP	22 27 06
	i	27 40
	iPcP	28 35
	ePcS	32 29
	eS	32 56
	iS	33 00
	eSS	36 03
TUC	iP	22 30 23
	iS	39 12
WASH	iP	22 29 39
June 11		
BC	iP	22 52 39.4
	i	53 21.3
COL	iP	22 49 25
NEL	eP	22 52 38
TUC	iP	22 52 45

Date and Station		Phase (GCT) h m s
TUC	i	22 53 53
	e	23 00 26
June 11		
COL	eP	23 18 04
SJ	eP	23 25 46
June 12		
BC	iP	00 23 05.6
BOZ	eP	00 24 02
HH	eP	00 24 15
MONT	iP	00 19 07
NEL	iP	00 23 03.3
SLC	eP	00 23 33
TUC	iP	00 22 41
June 12		
BC	eP	01 28 20
COL	eP	01 29 01
NEL	iP	01 28 20.4
	i	28 35.8
TUC	eP	01 28 24
June 12		
COL	iP	01 43 06
HH	iP	01 45 33
June 12		
BC	iP	05 25 45.2
COL	iP	05 21 37
HH	eP	05 24 40
NEL	eP	05 25 33
	i	25 46.7
TUC	eP	05 26 04
June 12		
COL	iP	06 53 51
June 12		
COL	iP	07 23 39
NEL	eP	07 23 01
June 12		
BOZ	eP	07 35 13
June 12		
HH	e(P)	07 45 17
June 12		
BC	iP	10 02 14.9
COL	eP	10 02 51
	eP'	06 10

Date and Station		Phase (GCT) h m s
HH	eP	10 03 32
NEL	iP	10 02 13.3
TUC	iP	10 01 35
June 12		
BC	iP	13 03 59.6
NEL	eP	13 03 59
June 12		
NEL	eP	13 30 51
June 12		
BC	iP	16 05 50.3
HH	e(P)	16 06 05
NEL	iP	16 05 49.3
June 12		
NEL	eP	16 22 55
June 12		
COL	eP	16 29 26
	e	30 18
HH	e(P')	16 34 32
June 12		
HH	e(P)	17 24 41
June 12		
BC	eP	17 34 14
NEL	iP	17 34 15.3
June 12		
BC	iP	20 41 20.9
	i	41 26.4
BOZ	iP	20 40 53
	iPcP	41 26
	i(PP)	43 34
BUT	iP	20 40 48
	i	40 55
	iPcP	41 32
	i	42 04
	i	42 39
	e	44 40
	eS	49 02
	iScS	50 57
	eSS	52 33
	eL	54 26
COL	iP	20 37 29
	eS	42 49
	eL	45 12
COLU	iP	20 43 16
	eL	21 10 20
HONO	eP	20 39 11
	eS	46 08
	eScS	49 13
	eL	49 46

T_L = 11 sec. $A_{max.}$=1.5mm.

Date and Station		Phase (GCT) h m s
HH	iP	20 40 30
	iPcP	41 28
	ePP	42 30
MONT	eP'	20 50 10
	ePP	52 45
NEL	iP	20 41 21.6
	i	41 28.9
PHIL	eP	20 43 08
	eS	53 15
	e(SSS)	21 02 36
	eL	03 29
RC	eP	20 41 57
	eS	50 52
SLC	iP	20 41 10
	e	43 05
	eS	49 43
	e(ScS)	51 27
	eSS	54 07
	eL	57 19
SJ	eP	20 49 04
TUC	iP	20 41 52
	eS	50 50
	e(SS)	56 23
	eL	21 03 22
WASH	iP	20 43 05
June 12		
BOZ	eP	21 24 18
June 12		
HH	e(P)	22 42 39
June 12		
COL	eP	22 47 32
HH	eP	22 50 25
June 12		
COL	eP	23 25 49
June 12		
COL	eP	23 30 31
June 12		
HH	e(P)	23 46 49
NEL	eP	23 49 57
June 13		
COL	iP	00 50 28
	ipP	51 15
June 13		
COL	eP	03 49 42
	ipP	50 25
June 13		
COL	eP	04 56 20
June 13		
BC	eP	05 18 36

Date and Station		Phase (GCT) h m s
BC	i	05 18 48.1
BOZ	iP	05 18 18
	i	18 30
BUT	eP	05 18 16
	i	18 27
COL	iP	05 15 43
HH	eP	05 18 03
	i	18 15
NEL	iP	05 18 37
	i	18 48
SLC	eP	05 18 32
June 13		
HH	eP	10 02 18
NEL	eP	10 02 48
June 13		
BC	iP	10 35 17.5
NEL	iP	10 35 17.2
June 13		
BC	iP	14 03 58.0
	i	04 57.5
BOZ	eP	14 03 29
	iP	03 30
BUT	eP	14 03 25
COL	iP	14 00 07
	iS	05 18
	eL	07 54
HH	eP	14 03 09
	i(PcP)	04 00
NEL	iP	14 03 59.3
SLC	iP	14 03 49
TUC	eP	14 04 30
WASH	iP	14 05 34
June 13		
BOZ	iP	14 15 14
HH	e(P)	14 15 42
NEL	eP	14 14 51
June 13		
NEL	eP	15 41 38
June 13		
HH	i(P)	16 55 02
June 13		
COL	iP	19 28 26

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Date and Station		Phase	(GCT) h m s
HH		iP	19 30 35
		e	31 07
June 13			
COL		eP	20 01 54
		ePP	05 19
HH		e(P)	20 04 25
		eP'	07 37
NEL		iP'	20 07 44.6
		i	11 10.1
		i	12 40.7
SJ		eP'	20 09 37
June 13			
BOZ		e(P)	20 18 35
HH		i(P)	20 18 38
		i	18 48
June 13			
BC		eP	21 49 40
COL		iP	21 49 07
		ipP	49 30
HH		e(P)	21 50 19
NEL		iP	21 49 02.7
		ipP	49 33.8
SJ		e(P')	21 55 03
June 13			
NEL		eP	23 39 37
June 14			
COL		iP	00 08 37
June 14			
BOZ		e(P)	03 09 50
BUT		eP	03 09 46
COL		eP	03 07 15
HH		eP	03 09 33
MONT		eP'	03 17 32
NEL		iP	03 10 03.5
June 14			
NEL		iP	03 45 10.8
June 14			
HH		eP	03 52 05
MONT		eP	03 49 02
NEL		eP	03 51 07
SJ		eP	03 46 58
		i	47 08
TUC		eP	03 50 28

Date and Station		Phase	(GCT) h m s
June 14			
HH		eP	04 17 32
June 14			
COL		eP	05 25 48
June 14			
BC		eP	06 15 27C
		i	15 35.7
		i	15 43.2
		eL	20 57
		i	22 39.6
BOZ		eP	06 17 07
		iP	17 08
		i(PP)	18 15
		i	18 41
		iPcP	19 19
		iS	21 49
		i	22 15
		i	22 51
		iL	23 13
BUT		eP	06 17 10
		iP	17 14
		iPP	17 40
		i	18 00
		i	18 20
		ePcP	19 18
		e(S)	21 58
		i	22 04
		iL	22 38
CHI		eP	06 17 19N,E
		ePP	18 14
		e	18 36
		iS	22 05
		iL	23 00
COL		eP	06 20 42
		iP	20 43C
		e(PP)	22 24
		ePPP	23 48
		eS	28 06
		eScS	30 40
		eL	33 55
COLU		iP	06 17 12C
		i	18 06
		iS	22 02
		iL	24 42
HONO		eP	06 20 05C
		e	22 43
		eS	27 15
		i	28 13
		iScS	29 42
		eSS	30 41
		eL	31 32

T_S = 6 sec. A = 1.5mm.
T_L=11 sec. $A_{max.}$=19mm.

Date and Station		Phase	(GCT) h m s
HH		eP	06 17 24C
		i	17 35
		e(PP)	18 38
		eScP	24 20
		e	25 07
MONT		eP	06 20 53
		i	21 01
NEL		iP	06 15 22.9C
		i	15 30.4
		i	15 38.6
PHIL		eP	06 18 12S,E
		iPP	19 18
		eS	23 27
		i	23 50
		eL	25 39
RC		eP	06 16 52
		i(S)	21 21
		i	21 58
		eL	23 08
SLC		iP	06 16 21D
		i	17 01
		i	17 26
		i	17 55
		i	18 21
		iS	20 31
		iL	21 09
SJ		eP	06 18 45C
		i	18 53
		ePP	20 06
		e	20 16
		e	21 03
		eS	24 37
		e	27 34
		eL	27 49
SIT		eP	06 19 28
		e	20 26
		ePP	21 04
		ePPP	21 59
		eS	26 02
		iS	26 04
		e	27 24
		eL	29 15
		e(P'P')	51 06
TUC		eP	06 14 30C
		i	14 34
		i	14 42
		i	15 08
		i	16 16
		iS	17 13
		iL	18 18
UK		eP	06 16 44
		eS	21 16
		eL	22 08
WASH		eP	06 17 55
		i	18 01
		iS	22 41
		e	23 06
		eL	23 21
June 14			
BC		eP	07 40 41
		i	40 46.1
		i	40 59.8

Date and Station		Phase	(GCT) h m s
BOZ		eP	07 42 07
		eL	50 27
BUT		eP	07 42 14
COL		eP	07 46 44
HH		eP	07 42 34
NEL		iP	07 40 38.1
		i	40 43.4
RC		e(P)	07 41 43
		eL	48 32
SLC		eP	07 41 24
		i	41 42
		e(S)	45 45
		eL	47 25
TUC		eP	07 39 41
June 14			
BC		eP	07 48 03
		i	48 12.2
		iS	48 50.7
NEL		eP	07 47 56
		i	48 07.3
TUC		eP	07 48 07
		iP	48 11
		i	48 23
		eS	49 04
		e	49 26
		iL	50 04
June 14			
COL		eP	09 03 12
June 14			
NEL		eP	09 19 14
		iP	19 16.5
June 14			
BOZ		eP	10 45 44
BUT		eP	10 45 40
COL		iP	10 44 13
HH		eP	10 45 32
		i	45 45
NEL		eP	10 45 31
June 14			
COL		eP	10 56 22
June 14			
HH		e(P)	13 30 48
June 14			
BC		eP	15 09 10
		i	09 17.3
COL		eP	15 12 43

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Date and Station		Phase (GCT)
		h m s
HH	eP	15 10 12
MONT	iP	15 06 02
NEL	iP	15 09 11
	i	09 15.1
SLC	eP	15 09 30
SJ	iP	15 05 32
	i	05 44
TUC	eP	15 08 31
June 14		
COL	iP	16 11 51
June 14		
NEL	eP	16 47 09
June 14		
BC	iP	17 34 03.0
	i	34 09.6
	i	34 23.0
	i	36 48.7
BOZ	eP	17 33 45
	iP	33 50
BUT	eP	17 33 39
COL	iP	17 30 50
HONO	eP	17 31 45
HH	eP	17 33 24
NEL	iP	17 34 04.6
SLC	eP	17 33 59
	eS	43 51
	eL	55 53
TUC	eP	17 34 28
	eL	18 02 07
WASH	eP'	17 39 33
	eL	18 31 15
June 14		
NEL	eP	18 15 27
June 14		
BC	iP	19 33 34.3
	i	33 38.9
	eL	37 09
BOZ	iP	19 35 36
BUT	eP	19 35 41
	iP	35 44
COL	iP	19 39 17
HH	eP	19 36 02
MONT	iP	19 41 32
NEL	iP	19 33 32.1

Date and Station		Phase (GCT)
		h m s
PHIL	eL	19 49 06
SLC	iP	19 34 38
	eL	38 57
SJ	eP	19 39 02
TUC	iP	19 32 42
	eS	34 07
	eL	34 15
June 15		
COL	iP	01 12 50
June 15		
COL	iP	01 15 19
June 15		
COL	iP	02 04 30
June 15		
COL	eP	02 58 01
June 15		
BC	iP	03 14 17.6
COL	iP	03 14 15
COLU	eSKS	03 26 47
	e(PS)	31 15
	eL	58 14
NEL	iP	03 14 14.1
TUC	eP	03 14 20
June 15		
COL	iP	03 39 32
	epP	40 12
June 15		
BOZ	eP	03 50 50
	i	50 53
	e	51 53
June 15		
COL	eP	04 09 49
June 15		
BC	iP	10 12 07.6
	i	12 24.8
BOZ	iP	10 12 57
COL	iP	10 16 30
	i	16 50
HH	iP	10 13 25
	i	13 44
MONT	iP	10 14 35
NEL	iP	10 12 05.7
	i	12 11.7
	e	21 06
SLC	eP	10 12 44
SJ	eP	10 12 23

Date and Station		Phase (GCT)
		h m s
TUC	iP	10 11 22
	eS	15 33
	eL	18 22
June 15		
BC	iP	12 41 23.7
	i	41 37.0
BOZ	eP	12 41 21
COL	eP	12 39 10
	i	39 25
HH	iP	12 41 07
MONT	eP'	12 48 25
NEL	iP	12 41 24.5
	i	41 37.8
SLC	eP	12 41 46
TUC	eP	12 41 45
June 15		
COL	iP	13 14 28
	ipP	14 52
NEL	eP	13 18 43
	ipP	19 09.7
June 15		
HH	e(P)	15 46 55
June 15		
BC	iP	15 49 36.8
	ipP	50 01.7
	ePP	53 24
BOZ	eP	15 49 51
	e(S)	16 00 35
	eL	23 26
COL	iP	15 48 33
	ipP	48 56
HONO	e(P)	15 45 45
HH	iP	15 49 40
	ipP	50 06
	ePP	53 28
	epPP	53 54
	e(PKKP)	16 06 34
	e(P'P')	14 28
MONT	iP'	15 55 28
	i	58 52
NEL	iP	15 49 37.2
	ipP	50 01.6
	i	50 17
	iPP	53 24.4
SJ	iP'	15 55 43
June 15		
BUT	eP	17 41 17
	i	41 30

Date and Station		Phase (GCT)
		h m s
June 15		
HH	e(P)	18 10 40
June 15		
COL	iP	20 40 54
June 15		
COL	eP	20 50 22
June 15		
COL	iP	22 32 30
	i	32 42
June 15		
COL	eP	22 42 04
June 16		
COL	iP	02 39 38
June 16		
HH	eP	04 22 19
TUC	eP	04 24 19
June 16		
COL	eP	04 44 43
	epP	45 37
June 16		
BC	eP	05 06 34
HH	e(P)	05 06 18
NEL	eP	05 06 26
	i	06 37.6
June 16		
BC	eP	05 29 11
NEL	eP	05 29 05
June 16		
BC	eP	06 17 48
	e	17 51
BOZ	eP	06 17 56
BUT	eP	06 17 48
HH	eP	06 17 40
NEL	iP	06 17 47.3
	i	18 29.5
June 16		
HH	e(P)	06 35 47
NEL	iP	06 35 57.5
June 16		
BC	iP	06 58 16.8
COL	iP	06 55 24
HH	iP	06 57 42
NEL	iP	06 58 06.7

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Date and Station		Phase (GCT)
		h m s
June 16		
HH	e(P)	08 18 09
June 16		
HH	e(P)	11 43 20
June 16		
BC	eP	12 40 00
	i	40 03.0
BOZ	iP	12 42 03
	i	42 37
	eS	46 06
	i	46 21
	eL	47 20
BUT	eP	12 42 07
	iP	42 08
	ipP	42 28
	iS	46 10
	i	46 26
	iL	47 06
CHI	eP	12 43 05
	e	43 32
	eS	47 35
	eL	49 14
COL	iP	12 45 43
COLU	eP	12 43 26
	i	44 06
	eS	48 16
	eL	52 40
HONO	eP	12 45 17
	eS	51 45
	eL	55 48
HH	iP	12 42 29
	iPP	43 09
MONT	eP	12 48 01
NEL	iP	12 39 55.4
	i	39 57.2
	iL	44 37.1
PHIL	e(P)	12 44 17
	ePP	45 27
	eS	49 56
	eL	51 25
RC	eP	12 42 04
	eS	46 07
	eL	47 41
SLC	iP	12 41 05
	i	41 20
	i	41 53
	i(S)	44 24
	eL	44 55
SJ	iP	12 45 30
TUC	iP	12 39 10
	e(S)	40 42
	iL	40 53

Date and Station		Phase (GCT)
		h m s
WASH	eP	12 43 59
	i	44 39
	iPP	45 07
	eL	51 07
June 16		
BC	eP	13 15 08
	e	15 19
MONT	iP	13 07 02
NEL	iP	13 15 06.1
June 16		
BC	iP	14 09 42.0
COL	iP	14 09 38
NEL	iP	14 09 40.7
June 16		
COL	eP	15 14 34
June 16		
NEL	eP	15 49 58
June 16		
COL	iP	16 38 32
HH	eP	16 38 23
NEL	eP	16 35 56
	i	36 42.9
	e	39 00
TUC	eP	16 34 55
	eS	36 19
	e	36 38
	iL	37 02
June 16		
HH	e(P)	16 41 29
June 16		
HH	eP	17 15 05
TUC	eP	17 11 43
June 16		
NEL	eP	18 56 19
June 16		
HH	eP	19 54 41
June 16		
COL	eP	20 06 56
June 16		
HH	e(P)	20 55 58
June 16		
BC	eP	22 44 07
HH	eP	22 43 06
NEL	iP	22 44 08.5

Date and Station		Phase (GCT)
		h m s
June 16		
BC	iP	23 48 26.4
	e	48 44
HH	e(P)	23 50 14
NEL	iP	23 48 24.6
	i	48 41.9
June 17		
HH	e(P)	00 11 10
June 17		
COL	eP	05 14 45
June 17		
COL	eP	05 56 45
June 17		
COL	iP	06 00 53
	ipP	01 24
June 17		
BC	iP	07 35 50.9
COL	iP	07 36 19
HH	eP	07 36 25
NEL	iP	07 35 50.8
TUC	iP	07 35 56
June 17		
BC	iP	07 57 03.1
COL	eP	07 57 36
	i	57 40
HH	e(P)	07 58 01
NEL	iP	07 57 02.9
TUC	eP	07 57 10
June 17		
BC	e(P)	08 20 48
	ePP	24 36
BUT	e(PP)	08 23 06
COL	iP	08 17 48
	eS	27 05
	eL	44 08
HH	iP	08 19 54
	ePP	23 42
	e	24 04
MONT	eP'	08 26 43
NEL	eP	08 20 28.3
	eP'	23 25
	iPP	24 37
TUC	eP'	08 25 10
	eL	09 04 20

Date and Station		Phase (GCT)
		h m s
June 17		
HH	eP	09 33 33
June 17		
COL	iP	10 38 31
June 17		
COL	eP	11 45 47
June 17		
COL	iP	11 47 56
June 17		
COL	eP	12 15 15
	ipP	15 41
June 17		
COL	eP	12 29 36
June 17		
NEL	eP	12 49 11
June 17		
COL	iP	13 00 37
June 17		
BC	eP	13 37 39
NEL	i(P)	13 37 38.8
TUC	iP	13 37 41
June 17		
NEL	eP	17 38 01
	i	38 14.0
June 17		
COL	e(P)	18 05 16
June 17		
BC	iP	18 11 44.1
	ipP	12 38.1
BOZ	e(P)	18 13 19
HH	iP	18 12 21
	epP	13 19
NEL	iP	18 11 43.2
	ipP	12 37.3
June 17		
NEL	eP	20 01 55
	e	02 05
June 17		
BC	eP	22 38 10
HH	iP	22 40 07
NEL	iP	22 38 04.2
SLC	eP	22 39 06
	eL	45 29
TUC	iP	22 37 11
	i	39 50

Date and Station		Phase (GCT)
		h m s
June 18		
BC	iP	00 42 37.4
BOZ	eP	00 42 10
COL	iP	00 38 51
HH	iP	00 41 48
NEL	iP	00 42 38.7
	i	43 17
SLC	e(P)	00 42 29
TUC	iP	00 43 08
June 18		
BC	eP	01 09 28
	i	09 33.5
	iS	10 07.1
NEL	eP	01 09 23
	i	09 28.7
SLC	eP	01 11 23
June 18		
BOZ	eP	01 44 04
June 18		
HH	e(P)	02 31 31
June 18		
BC	eP	04 54 13
BOZ	eP	04 53 46
COL	iP	04 50 24
HH	eP	04 53 21
NEL	eP	04 54 13
	i	54 26.8
TUC	eP	04 54 55
June 18		
BC	eP	05 59 15
NEL	iP	05 59 26.7
	i	59 38.8
TUC	eP	05 59 30
June 18		
NEL	e(P)	16 06 15
June 18		
BC	ePP	16 25 18
COL	eP	16 18 32
HH	eP	16 20 39
MONT	eP'	16 27 33
NEL	eP'	16 24 35
	iPP	25 22.6
	i	25 33.8

Date and Station		Phase (GCT)
		h m s
June 18		
COL	eP	20 33 06
June 18		
HH	e(P)	23 31 18
June 18		
HH	e(P)	23 39 57
June 19		
NEL	eP	02 41 06
	e	41 13
June 19		
NEL	iP	02 58 11.8
June 19		
NEL	iP	04 11 20.8
June 19		
BC	e(P)	04 22 22
NEL	i(P)	04 22 13.5
June 19		
BC	eP	04 29 42
	i	29 52.5
	iL	30 26.9
NEL	eP	04 29 44
	i	29 47.2
	iL	30 23.6
June 19		
COL	eP	09 10 06
June 19		
NEL	eP	09 35 54
	e	36 16
June 19		
BC	eP	10 01 20
NEL	iP	10 01 20.2
June 19		
COL	iP	13 45 20
June 19		
BC	eP	14 16 03
NEL	eP	14 16 01
June 19		
BC	iP	19 22 01.7
	i	22 16.8
	iS	22 59.4
BOZ	eP	19 23 11
	eS	25 25
	eL	25 42
BUT	eP	19 23 04
	i	23 36
	eS	25 07
	eL	25 28
HH	eP	19 23 28
	eL	26 03

Date and Station		Phase (GCT)
		h m s
NEL	iP	19 22 04.3
	i	22 16.3
	iS	22 49
	iL	23 03
SLC	eP	19 22 21
	i	22 35
	iS	23 36
	eL	23 48
June 19		
BC	iP	19 26 28.2
	iS	27 17.3
BOZ	e(P)	19 27 42
	eS	29 45
	eL	30 22
BUT	e(P)	19 27 12
	eS	29 07
	eL	29 25
HH	e(P)	19 27 50
	eL	30 14
NEL	iP	19 26 32.0
SLC	e(P)	19 26 31
	eS	27 42
	eL	27 58
TUC	eP	19 23 13
June 19		
BC	iP	19 43 50.7
BOZ	eP	19 43 20
COL	iP	19 39 53
	e	42 48
	eL	44 08
HH	eP	19 42 54
NEL	iP	19 43 50.2
	i	43 55.9
TUC	eP	19 44 30
June 19		
COL	iP	20 17 38
June 19		
BC	iP	21 32 55.6
BOZ	eP	21 32 28
	eScP	38 34
BUT	eP	21 32 23
COL	iP	21 29 00
	eS	31 55
	eL	33 28
HH	eP	21 32 01
	iScP	38 23
NEL	iP	21 32 57.1

Date and Station		Phase (GCT)
		h m s
SLC	eP	21 32 51
SJ	eP	21 37 40
SIT	eP	21 29 37
	e	30 11
	eS	33 10
	eL	34 00
TUC	iP	21 33 36
June 19		
TUC	eP	22 30 34
June 19		
NEL	eP	23 33 26
June 20		
NEL	eP	01 30 00
	e	30 40
June 20		
BOZ	e(P)	02 31 13
HH	eP	02 30 16
June 20		
BC	iP	12 16 06.8D
	iS	23 05.0
BOZ	eP	12 15 38D
	iP	15 39
	i	16 32
	i(PP)	17 39
	e	18 31
	iS	22 08
	i	23 10
	iScS	25 36
	eL	26 12
BUT	iP	12 15 30C
	i	15 49
	i(PP)	17 31
	iS	21 53
	i	22 08
	iScS	25 33
	eL	26 16
CHI	eP	12 17 36
	ePP	20 11
	eS	25 39
	i	26 01
	iScS	27 22
	e	30 17
	eL	32 11
COL	iP	12 12 15D
	iS	16 03
	iL	16 48
	e	40 51
	e(P'P')	46 12
COLU	iP	12 18 36S
	i	19 45
	iS	27 38
	eSS	32 40
	eL	40 03
	iP'P'	46 40

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Date and Station		Phase (GCT) h m s
HONO	eP	12 14 18D
	iP	14 19
	i	14 34
	i	15 03
	eS	19 32
	i	19 49
	i	20 23
	eL	21 48
T_P = 1 sec. A = 2mm.		
T_S = 6 sec. A = 3mm.		
T_L = 11 sec. $A_{max.}$=17mm.		
HH	eP	12 15 13C
	iP	15 14D
	i	21 01
	iS	21 24
	iScS	25 17
	i	25 36
MONT	iPP	12 26 23C
	e	27 55
NEL	iP	12 16 07.7D
	iScP	21 25.3
	iS	23 14.1
	eScS	25 34
	eL	28 42
	eP'P'	46 48
PHIL	eP	12 18 27
	e	18 37
	ePPP	22 59
	iS	27 18
	iScS	28 37
	eSS	31 53
	e	32 30
	eL	35 15
RC	iP	12 16 22
	ePP	18 29
	iPPP	19 16
	iS	23 25
	iScS	26 02
	eSS	27 26
	eL	30 08
SLC	iP	12 15 58C
	i	16 17
	i	16 40
	iPP	17 55
	i	18 03
	e	19 07
	iS	22 44
	i	24 10
	i(ScS)	25 22
	iSS	26 14
	eL	26 50
SJ	iP	12 20 26C
	ePP	24 03
	eSKS	30 52
	eS	31 09
	e	31 35
	eSS	37 08
	eL	44 17
TUC	iP	12 16 44D
	i	16 46

Date and Station		Phase (GCT) h m s
TUC	i	12 17 30
	ePP	18 30
	eS	24 12
	iS	24 13
	iScS	26 20
	eSS	27 57
	eL	30 15
	eP'P'	46 50
UK	eP	12 15 12
	ePP	16 47
	eS	21 20
	iS	21 21
	e	22 24
	eL	24 22
WASH	iP	12 18 26
	i	18 36
	eS	27 12
	i	27 56
	eL	35 24
June 20 COL	eP	12 40 51
June 20 COL	iP	12 46 12
June 21 BOZ	eP	00 31 20
June 21 COL	eP	01 11 58
June 21 BC	iP	07 46 19.8
BUT	eP	07 46 36
HH	e(P)	07 46 34
NEL	iP	07 46 19.3
TUC	e(P)	07 46 20
June 21 BC	eP	10 05 40
BUT	eP	10 06 13
HH	eP	10 06 24
MONT	eP	09 54 06
	i	54 40
	iS	55 15
	iL	55 37
NEL	iP	10 05 40.1
SJ	eP	10 01 53
TUC	eP	10 05 14
June 21 BC	iP	11 01 03.0
BOZ	iP	11 00 32
BUT	eP	11 00 22
	i	01 30

Date and Station		Phase (GCT) h m s
COL	iP	10 56 57
	eS	11 01 40
	eL	04 05
HH	iP	11 00 06
	i	01 23
MONT	iP'	11 10 18
NEL	iP	11 01 04.4
SLC	iP	11 00 52
TUC	iP	11 01 38
June 21 BC	iP	12 52 30.5
	epP	53 48
BOZ	eP	12 52 16
	epP	53 34
COL	iP	12 49 43
HH	iP	12 52 00
	epP	53 15
NEL	iP	12 52 31.3
	ipP	53 48.6
SLC	eP	12 52 28
	epP	53 46
June 21 BC	iP	16 12 11.4
BOZ	eP	16 12 10
COL	iP	16 10 10
HH	e(P)	16 11 57
NEL	iP	16 12 11.3
June 21 NEL	eP	16 32 41
June 21 NEL	eP	16 44 21
June 21 NEL	eP	17 07 53
June 21 NEL	eP	17 51 56
June 21 COL	eP	19 32 19
	i	32 40
NEL	iP	19 35 24.4
June 21 BC	eP	21 07 28
BOZ	eP	21 08 04
MONT	eP	21 00 15

Date and Station		Phase (GCT) h m s
NEL	iP	21 07 22.3
June 21 BOZ	eP	21 45 18
COL	eP	21 47 53
HH	eP	21 45 33
MONT	eP	21 39 36
	eS	43 36
	eL	44 23
SJ	eP	21 41 08
TUC	eP	21 43 54
	eL	22 00 14
June 21 HH	e(P)	23 25 03
MONT	eP	23 18 58
SJ	eP	23 20 32
June 22 SJ	eP	02 50 42
June 22 COL	eP	07 50 04
June 22 TUC	eP	09 01 03
June 22 NEL	iP	09 43 38.3
June 22 BC	eP	09 49 31
COL	eP	09 47 19
HH	e(P)	09 49 02
NEL	iP	09 49 31.4
June 22 NEL	iP	09 55 10.2
June 22 COL	eP	10 10 32
June 22 BC	eP	11 23 29
	i	23 32.4
COL	eP	11 23 58
HH	eP	11 24 06
NEL	eP	11 23 27
	i	23 31.3
SLC	eP	11 23 56
June 22 NEL	eP	11 51 45

Date and Station		Phase (GCT)
		h m s
June 22		
COL	eP	13 09 24
	e	09 47
June 22		
HH	e(P)	14 40 22
NEL	eP	14 40 51
June 22		
BC	iP	15 47 56.2
NEL	iP	15 47 54.0
June 22		
COL	iP	16 01 41
June 22		
COL	iP	18 57 16
June 22		
BC	iP	20 16 38.7
COL	eP	20 13 08
	iP	13 09
NEL	eP	20 16 40
June 22		
COL	eP	21 37 13
June 23		
COL	eP	01 02 01
SLC	e(P)	01 00 59
June 23		
BC	iP	08 51 45.0
COL	iP	08 48 28
HH	iP	08 50 45
	ipP	51 05
	i	51 22
MONT	iP	08 59 34
NEL	iP	08 51 45.0
	ipP	52 03.1
SLC	eP	08 51 40
TUC	iP	08 52 11
June 23		
COL	eP	09 44 41
June 23		
NEL	eP	10 34 39
June 23		
BC	eP	11 33 18
COL	iP	11 30 26
	i	30 31
HH	e(P)	11 32 19

Date and Station		Phase (GCT)
		h m s
NEL	eP	11 33 18
	i	33 19.9
SLC	e(P)	11 32 56
June 23		
NEL	eP	11 56 56
	i	57 00.3
TUC	eP	11 56 04
June 23		
COL	iP	13 30 26
	i	30 32
June 23		
HH	e(P)	13 53 31
NEL	eP	13 54 05
	i	54 09.2
June 23		
MONT	eP	15 59 34
NEL	eP	16 02 03
	e	02 11
	i	04 16.7
SLC	e(P)	16 04 59
TUC	eP	16 03 24
June 23		
NEL	eP	16 12 56
	e	13 19
June 23		
HH	e(P)	21 52 07
June 23		
BC	iP	22 24 41.3
	ipP	24 55.2
	i	28 20.5
BOZ	iP	22 24 16
COL	iP	22 21 02
	iS	27 03
	eL	29 53
COLU	iP	22 26 28
	i	26 41
HH	iP	22 23 54
	ePPP	27 33
MONT	eP'	22 32 58
NEL	iP	22 24 41.9
	ipP	24 55.6
	i	28 21.0
SLC	eP	22 24 32
	ipP	24 51
	e	28 12
TUC	iP	22 25 10
	ipP	25 24

Date and Station		Phase (GCT)
		h m s
WASH	iP	22 26 16
June 23		
COL	iP	22 24 42
June 23		
COL	iP	23 42 10
June 24		
COL	iP	00 28 45
June 24		
HH	e(P)	02 10 51
June 24		
NEL	eP	03 54 57
	e	55 23
June 24		
BC	eP'	04 55 34
NEL	iP'	04 55 32.9
	i	55 47.9
WASH	iP'	04 55 52
June 24		
NEL	iP	04 58 59.2
June 24		
COLU	iP	05 56 05
NEL	eP	05 57 20
June 24		
HH	e(P)	11 50 26
	e	51 44
June 24		
NEL	iP	20 51 13.6
	i	51 19.4
SJ	e(P)	20 46 21
June 24		
SLC	eP	21 42 58
June 25		
NEL	eP	04 55 32
	e	55 58
TUC	eP	04 55 39
June 25		
SLC	iP	05 07 13
	iS	07 17
	eL	07 21
June 25		
NEL	eP	05 18 20
	epP	18 56
June 25		
NEL	iP	05 31 51.8
June 25		
NEL	eP	05 54 50

Date and Station		Phase (GCT)
		h m s
June 25		
NEL	eP	07 48 04
June 25		
NEL	eP	09 12 00
June 25		
NEL	eP	13 34 37
June 25		
COL	iP	15 23 26
June 25		
COL	iP	17 53 44
HH	e(P)	17 55 32
June 25		
COL	eP	17 58 32
MONT	eP	18 01 34
NEL	iP	18 00 03.6
	i	00 10.5
SJ	eP	18 01 22
June 26		
HH	e(P)	01 16 23
June 26		
BOZ	e(P)	10 37 20
NEL	eP	10 36 13
June 26		
COL	iP	10 46 56
June 26		
COL	iP	12 53 09
June 26		
COL	eP	13 54 05
June 26		
COL	eP	14 45 07
June 26		
COL	iP	17 11 23
June 26		
NEL	eP	17 31 05
	e	31 17
June 26		
BOZ	e(P)	19 15 02
NEL	eP	19 13 56
	e	14 11
	e	14 30
June 26		
COL	eP	19 43 34
June 26		
COL	eP	20 24 10

Date and Station	Phase	(GCT) h m s
June 27		
BOZ	e(P)	01 38 22
June 27		
BC	iP	02 02 39.6
	e	09 56
BOZ	eP	02 04 09
BUT	eP	02 04 13
	eS	08 56
	eL	09 25
COL	eP	02 07 44
COLU	eL	02 09 22
HH	eP	02 04 36
NEL	iP	02 02 36.4
MONT	eP	02 08 19
SLC	eP	02 03 25
TUC	eP	02 01 40
	iP	01 41
	eL	05 07
June 27		
BC	eP	10 32 47
BOZ	eP	10 28 03
	e	31 06
BUT	eP	10 28 03
	eL	56 15
COL	iP	10 26 01
	ePP	28 45
	iPP	28 52
	i	29 45
	e(PPP)	30 36
	eS	36 04
	eSS	40 28
	eL	45 36
COLU	ePS	10 42 57
	eL	11 07 04
HH	e(P)	10 31 20
MONT	iP	10 33 58
	ePP	37 35
NEL	iP	10 32 46.8
	iPP	33 23.7
TUC	eP'	10 32 54
	eL	11 18 44
WASH	e(P)	10 32 24
	eL	11 15 02
June 27		
BOZ	e(P)	10 44 15
NEL	eP	10 43 25
	e	44 35
TUC	e(P)	10 43 26
June 27		
COL	iP	10 54 21
June 27		
NEL	eP	11 37 28
June 27		
COL	iP	13 58 05
June 27		
COL	eP	16 24 28
HH	e(P)	16 26 34
	eP'	30 34
NEL	eP'	16 30 23
	i	30 56.5
MONT	eP'	16 31 45
SJ	eP'	16 32 09
June 27		
NEL	eP	16 58 58
June 27		
WASH	i(P)	17 46 41
June 27		
COL	iP	18 00 07
	ipP	01 16
	i	01 32
HH	eP	18 03 52
NEL	iP	18 05 13.4
June 27		
BC	iP	18 22 01.3
BUT	eP	18 22 20
COL	iP	18 21 36
	ipP	22 13
HH	iP	18 22 19
NEL	iP	18 22 00.7
	ePP	25 27.2
TUC	eP	18 21 13
June 27		
COL	eP	22 38 53
June 27		
HH	e(P)	22 41 09
NEL	eP	22 38 10
June 27		
TUC	eP	23 29 45
WASH	eP	23 28 12
June 28		
HH	e(P)	01 18 03
June 28		
BC	eP	04 37 57
	i	38 00.7
	i	38 03.1
BOZ	eP	04 36 47
BUT	eP	04 36 44
	iP	36 47
	i	37 23
	iPP	38 38
	iPPP	39 22
	iS	39 22
	iS	43 42
	i	44 24
	eScS	46 44
	iSS	47 14
	eL	48 50
CHI	eP	04 37 17
	ePP	39 13
	eS	44 34
	eSS	48 31
	eL	51 17
COL	eP	04 34 00
	iP	34 01
	iS	38 42
	eL	42 00
COLU	eP	04 38 10
	eS	46 17
	iS	46 18
	eSS	50 04
	eL	54 36
HH	iP	04 36 26
	iPP	38 08
	eS	43 08
	eL	46 39
NEL	iP	04 38 00.3
	i	38 08.5
PHIL	eP	04 37 22
	eS	44 54
	e	48 33
	eL	49 41
SLC	eP	04 37 25
	iP	37 27
	ePPP	40 16
	eS	44 57
	eL	49 17
TUC	eP	04 38 25
	iP	38 27
	ePP	40 40
	eS	46 48
	eL	58 26
WASH	iP	04 37 36
	e	38 11
	e(PP)	39 15
	e(S)	45 23
	eL	51 10
June 28		
NEL	eP	05 03 06
June 28		
HH	e(P)	05 45 29
June 28		
NEL	eP	05 56 38
June 28		
BC	eP	06 30 35
COL	eP	06 31 17
NEL	iP	06 30 34.6
TUC	iP	06 30 39
June 28		
BUT	eP	07 25 48
COL	iP	07 22 57
HH	e(P)	07 25 27
	i	26 19
NEL	eP	07 26 57
	i	27 01.7
June 28		
BC	eP	07 44 43
COL	iP	07 45 16
HH	e(P)	07 45 18
NEL	eP	07 44 41
June 28		
HH	e(P)	08 17 24
June 28		
HH	e(P)	08 37 49
June 28		
COL	eP	08 58 31
NEL	eP	09 02 31
	i	03 30.7
June 28		
COL	eP	15 34 11
June 28		
COL	iP	16 35 30
HH	e(P)	16 38 03
NEL	iP	16 39 29.9
	i	40 27.8
June 28		
SJ	iP	20 25 40
June 28		
BH	eP	21 57 32
	iS	58 19
June 28		
BH	eP	22 43 29
	eS	44 16

Date and Station		Phase (GCT)
		h m s
June 28		
BH	eP	22 55 05
	iS	55 52
June 29		
HH	e(P)	00 43 37
	e	44 10
June 29		
BH	iP	03 24 38
	iS	25 26
June 29		
COL	iP	03 36 12
HH	e(P)	03 37 58
	ePP	42 05
SJ	eP	03 44 02
June 29		
COL	eP	03 46 29
HH	e(P)	03 48 17
June 29		
COL	eP	04 25 09
June 29		
HH	e(P)	05 01 10
	e	02 17
June 29		
BC	i(P)	05 08 02.2
	i	08 08.0
BOZ	eP	05 07 43
BUT	eP	05 07 38
COL	iP	05 05 07
	eS	13 19
	eL	19 41
HH	iP	05 07 26
NEL	eP	05 07 54
	i	08 14.2
	i	08 51.3
	ePP	11 12
TUC	eP	05 08 23
	eL	46 09
WASH	eL	06 02 33
June 29		
COLU	eP'	05 08 53
	eL	52 13
MONT	iP'	05 08 32
June 29		
NEL	eP	06 25 55
June 29		
COL	iP	06 48 03
	i	48 15
June 29		
BC	eP	09 37 34
	e	37 42
NEL	eP	09 37 39
June 29		
BC	eP	10 07 56
COL	iP	10 06 16
	i	06 27
	i	06 47
	i	07 02
COLU	eP	10 12 47
HH	iP	10 07 28
NEL	eP	10 07 25
SJ	eP	10 13 17
TUC	eL	10 42 38
June 29		
NEL	eP	11 40 46
June 29		
TUC	iP	12 57 48
June 29		
BC	eP	13 09 06
BOZ	eP	13 08 46
HH	eP	13 08 18
NEL	eP	13 09 03
	i	09 08.2
June 29		
HH	eP	15 54 24
	e(PP)	59 32
NEL	e(P')	15 59 06
June 30		
NEL	eP	00 11 04
June 30		
BUT	e	01 57 49
HH	eP	01 57 17
NEL	eP	01 57 44
June 30		
COL	iP	02 09 06
NEL	iP	02 13 12.5
	i	13 32.1
June 30		
COL	iP	02 47 36
MONT	eP'	02 55 55
June 30		
HH	e(P)	03 36 56
June 30		
BC	iP	04 17 48.8
BOZ	eP	04 17 22
BUT	eP	04 17 15
COL	iP	04 14 01
HH	iP	04 16 59
NEL	iP	04 17 49.6
TUC	iP	04 18 20
June 30		
COL	iP	06 53 29
HH	eP	06 56 32
	e	58 13
June 30		
HH	e(P)	07 41 04
	eL	41 25
June 30		
NEL	eP	07 46 54
June 30		
TUC	iP	09 54 33
June 30		
BC	iP	11 49 38.9
NEL	iP	11 49 40.4
June 30		
BC	eP	13 44 32
COL	iP	13 40 33
HH	eP	13 42 58
NEL	iP	13 44 34.0
	e	46 43
June 30		
COL	eP	14 12 01
June 30		
BUT	eP	18 41 16
COL	iP	18 41 12
	ipP	41 28
HH	e(P)	18 41 07
NEL	iP	18 40 34.4
TUC	eP	18 40 38
	eL	19 11 27
June 30		
BH	eP	19 10 29
	eS	11 47
NEL	iP	19 17 17.3
SJ	e(P)	19 11 58
	i	14 15
June 30		
BC	eP	20 32 01
BOZ	eP	20 32 12
BUT	eP	20 32 03
COL	iP	20 34 53
HH	eP	20 31 59
	e	33 33
	eL	36 26
NEL	iP	20 32 03.9
SLC	eP	20 32 04
	e(S)	35 38
	eL	36 14
TUC	eP	20 33 06
June 30		
NEL	eP	21 55 22
June 30		
COL	iP	22 14 13
June 30		
SJ	e(P)	22 21 56

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Local and Minor Earthquakes

day	hour
DOZ	
June	
1	04.9
3	17.2
BUT	
June	
1	04.9
2	23.5
4	01.1
	03.9
	22.6
8	22.3
	22.5
13	01.5
15	05.1
16	22.7
17	02.8
	19.4
18	21.9
19	02.5
25	21.2
27	21.2
28	00.0
	23.5
30	15.1
	18.9
	21.8
COL	
June	
2	05.0
3	22.5
4	03.8
	04.3
	05.7
	07.7
	13.7
	14.3
	18.1
	23.2
5	06.9
	07.5
	10.0
	15.9
7	12.2
8	00.4
	03.7
9	19.9
	20.9
10	03.5
	06.8
	13.1
	14.2
	15.4
	21.9
11	07.6
	12.9
	21.8
12	00.5
	01.0
	04.3
	05.7
	07.1
	11.1
	11.3
	12.0

Local and Minor Earthquakes

day	hour
COL	
June	
12	14.0
13	09.4
	12.5
	22.5
14	04.4
	04.7
	19.7
	21.4
15	18.5
	19.6
16	09.7
	11.1
	12.8
	19.6
17	05.1
	14.3
	15.7
	17.2
18	03.2
	04.5
	13.0
19	07.7
21	21.6
22	02.8
23	00.0
	16.2
24	00.6
	18.2
26	04.1
	05.9
28	00.0
	05.6
	13.1
	20.3
30	03.9
	07.9
	08.0
	11.2
MONT	
June	
1	21.6
4	18.9
5	03.2
	03.6
6	13.8
	21.7
7	21.0
8	03.8
9	03.4
	21.7
10	15.4
	15.8
	17.0
11	13.2
13	15.5
14	05.3
	19.6
	19.7
15	06.5
	17.7
	21.7
17	04.5
	16.9
18	08.3
19	21.1

Local and Minor Earthquakes

day	hour
MONT	
June	
20	05.2
	15.6
21	05.6
	12.1
23	15.7
	18.3
29	04.0
	11.8
SLC	
June	
3	22.9
6	14.7
15	22.1
	22.5
24	11.8
SJ	
June	
3	04.7
5	21.3
	23.3
7	23.8
11	03.0
	12.6
14	07.0
15	01.5
	01.8
	23.7
25	19.4
29	23.1
TUC	
June	
1	06.5
2	06.5
	07.8
	10.5
	12.5
4	03.8
	08.8
	10.1
5	16.9
	17.4
6	02.4
	09.4
12	01.0
	05.3
14	07.6
15	07.8
	08.5
	17.6
	21.9
16	00.5
	00.6
	08.3
	09.3
	18.9
17	03.0
	09.1
18	01.2
19	04.0
	04.2
	04.3
	04.4
	04.5
	10.4

Local and Minor Earthquakes

day	hour
TUC	
June	
19	15.9
	19.6
	20.7
	21.1
21	11.3
	12.7
22	00.1
	08.6
	19.6
23	06.6
25	04.2
27	06.7
28	10.1
29	05.6