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U. S. COAST & GEODETIC SURVEY
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SEISMOLOGICAL BULLETIN

July, 1955

MSI - 175

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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
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 Coast and Geodetic Survey.
**Indicates a station operating on an independent basis.
Other stations are observatories of the Coast and Geodetic Survey.

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

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

All seismograms are on file in the Coast and Geodetic Survey, except those from Balboa Heights, 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
July	h m s	° ′	° ′	
2	06 33 52**			Northern Kurile Islands.
3	08 00 53*	51 N.	177 E.	Rat Islands, Aleutian Islands.
3	14 01 46*	37 N.	71 E.	Hindu Kush.
3	14 26 32*	52 N.	178 E.	Rat Islands, Aleutian Islands. Mag. 6-1/2.
4	02 45 25**			Off coast of Guatemala.
4	14 19 44*	51 N.	177 E.	Rat Islands, Aleutian Islands. Mag. 6-1/2 - 6-3/4.
4	22 55 39**			Near east coast of Mindanao, Philippine Islands. Felt at Surigao.
5	00 19 09**			Mindanao aftershock.
5	04 03 25**			Rat Islands, Aleutian Islands. h about 100 km.
5	10 41 11*	16 S.	175 W.	Tonga Islands region.
5	11 38 40**			About 100 miles north of Montezuma, Chile.
5	15 15 00**			200 miles off coast of Oregon.
6	01 54 17*	51 N.	158 E.	Kamchatka. Mag. 6-1/2 - 6-3/4.
6	10 29 40*	54-1/2 N.	162-1/2 W.	Near south coast of Alaska Peninsula.
6	14 59 21*	24-1/2 S.	177 W.	Tonga Islands region. h about 100 km.
7	04 57 25*	12-1/2 N.	88 W.	Near coast of Nicaragua.
7	09 51 19*	31 N.	93 E.	China-Tibet border.
7	18 10 02**			Rat Islands, Aleutian Islands.
8	14 12 52*	29-1/2 N.	97 E.	Sikang province, China.
8	18 20 11*	21 S.	179-1/2 W.	Fiji Islands foreshock. h about 600 km.
8	18 39 11*	20-1/2 S.	179-1/2 W.	Fiji Islands. Felt at Nukualofa. h about 600 km.
8	19 03 09*	5 S.	110 E.	Java Sea. h about 600 km.
9	00 52 43**			Near Kenai Peninsula, Alaska.
9	18 24 00**			Mendoza province, Argentina.
9	23 53 40*	40-1/2 N.	22 E.	Northern Greece.
10	06 51 58**			Mendoza province, Argentina.
10	14 20 52*	20 S.	175-1/2 W.	Tonga Islands. Mag. 6-1/4.
11	03 13 56*	60 N.	135 W.	Southern Yukon-Alaska border.
11	05 08 00**			Near south coast of Sumatra.
11	20 21 21*	1 S.	13-1/2 W.	Atlantic Ocean.
12	14 44 26*	12-1/2 N.	35 W.	Do.
12	17 57 18*	14-1/2 S.	173 W.	Samoa Islands region.
13	01 56 52*	20-1/2 S.	70 W.	Northern Chile.

Date 1955	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
July	h m s	° '	° '	
13	09 55 32*	20 S.	178-1/2 W.	Fiji Islands. h about 300 km.
13	18 40 34*	6 S.	154-1/2 E.	Solomon Islands.
13	20 16 28*	54-1/2 S.	27 W.	Sandwich Islands region.
14	03 54 02*	6 S.	154-1/2 E.	Solomon Islands.
14	09 51 37*	8-1/2 N.	94 E.	Nicobar Islands.
14	10 17 27*	36-1/2 N.	141 E.	Near east coast of Honshu, Japan. h about 60 km.
14	15 56 10**			Off east coast of Honshu, Japan.
15	04 44 58**			About 200 miles off coast of Vancouver, British Columbia.
16	07 07 08*	37-1/2 N.	27 E.	Dodecanese Islands. Extensive damage on Samos Islands and in Western Turkey. Mag. 6-3/4 - 7.
16	12 17 04**			Tonga Islands.
16	13 31 43*	14 S.	78-1/2 W.	Off coast of Peru.
17	07 06 00**			New Hebrides Islands.
17	07 54 02*	46-1/2 N.	153 E.	Kurile Islands.
17	08 19 41*	38 N.	71 E.	Northern Afghanistan.
17	12 21 42*	53 N.	170 W.	Fox Islands, Aleutian Islands.
17	21 58 25*	54 N.	168 W.	Fox Islands, Aleutian Islands. Felt on Unalaska. Mag. 5-3/4 - 6.
18	00 54 37*	18 S.	170 E.	New Hebrides Islands region.
18	02 14 59*	52-1/2 N.	169 W.	Fox Islands, Aleutian Islands.
18	10 14 14*	44-1/2 N.	149 E.	Kurile Islands.
18	10 26 26*	45 N.	149 E.	Do.
18	10 36 24*	44-1/2 N.	149 E.	Do.
18	10 40 55*	44-1/2 N.	149 E.	Do.
18	11 29 58*	13-1/2 S.	167 E.	New Hebrides Islands. h about 150 km.
18	13 33 08*	16 S.	173 W.	Samoa Islands region. Felt at Apia.
19	00 36 52**			Kurile Islands.
19	08 47 36*	40 N.	68 E.	Uzbek S.S.R.
19	15 51 06*	12 N.	143 E.	Marianas Islands region.
19	16 21 05*	60-1/2 N.	145-1/2 W.	Southern Alaska.
19	16 44 24*	60-1/2 N.	146 W.	Southern Alaska aftershock.
19	19 52 15*	51-1/2 N.	178 E.	Rat Islands, Aleutian Islands. h about 60 km.
19	23 52 25*	56-1/2 N.	153 W.	Near south coast of Kodiak Island. Mag. 6.
20	00 14 20**			Kodiak Island aftershock.
20	04 07 53**			Andreanof Islands, Aleutian Islands.

Date 1955	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
July	h m s	° '	° '	
20	06 44 30**			100 miles off coast of Colima, Mexico. Mag. 6.
20	07 31 45**			Fox Islands, Aleutian Islands.
20	21 00 43*	1/2 N.	78-1/2 W.	Northern Ecuador. Extensive damage at Cotacachi.
21	11 45 40*	15 S.	74 W.	Southern Peru. h about 100 km. Mag. 6-3/4.
23	06 20 06**			Negros Island foreshock.
23	10 19 49**			Sandwich Islands region.
23	11 23 08**			Negros Island foreshock.
23	12 48 28*	7 S.	128-1/2 E.	Banda Sea.
23	13 57 04*	9-1/2 N.	122-1/2 E.	Negros Island, Philippine Islands.
24	01 04 56*	14 S.	175 W.	Samoa Islands.
24	11 02 14*	36 N.	140 E.	Southern Honshu, Japan. h about 100 km.
24	16 20 03*	24 N.	122 E.	Near east coast of Formosa. Felt at Hualien and Shinko.
24	19 04 20**			New Hebrides Islands.
25	05 56 45**			China-Tibet border.
25	11 22 31*	23-1/2 S.	70-1/2 W.	Northern Chile. Felt at Antofagasta and Mejillones. h about 60 km.
26	04 04 18*	56-1/2 N.	153 W.	Kodiak Island foreshock. Mag. 6.
26	05 15 50*	13 S.	166-1/2 E.	New Hebrides Islands.
27	01 20 50*	34 N.	134 E.	Shikoku, Japan. One killed and several injured.
27	05 01 48*	15 S.	175-1/2 W.	Tonga Islands region.
27	18 19 08*	56-1/2 N.	153 W.	Near south coast of Kodiak Island. Mag. 6-1/4.
28	01 59 30*	40-1/2 S.	71-1/2 W.	Chile-Argentina border. Extensive damage in Valdivia, Cautin, and Osorno provinces, Chile.
28	02 00 10**			Negros Island aftershock.
28	03 06 00**			Central Afghanistan.
28	12 00 50*	41-1/2 N.	142-1/2 E.	Near south coast of Hokkaido, Japan.
29	21 53 13*	51-1/2 N.	158 E.	Near south coast of Kamchatka.
31	13 22 44**			Southwestern Yukon.

Date and Station		Phase	(GCT)
			h m s
July 1			
COL	eP		00 17 56
	e		18 26
July 1			
NEL	eP		00 41 00
July 1			
COL	eP		02 46 28
July 1			
COL	iP		08 18 54
July 1			
COL	eP		10 45 01
July 1			
COL	eP		11 21 33
NEL	eP		11 27 24
	e		27 51
July 1			
HH	e(P)		12 02 09
July 1			
COL	eP		12 42 39
NEL	iP		12 45 29.3
July 1			
HH	e(P)		16 53 09
July 1			
NEL	eP		19 11 36
	e		12 12
	e		12 53
July 2			
NEL	eP		05 01 30
	i		02 11
July 2			
BC	iP		06 44 25.3
COL	iP		06 40 32
HH	eP		06 43 33
NEL	iP		06 44 26.3
SJ	iP		06 48 39
TUC	iP		06 45 02
July 2			
COL	eP		07 31 17
July 2			
COL	iP		08 48 41
July 2			
COL	iP		12 31 21
July 2			
COL	eP		16 13 02
	e		14 07
July 2			
BC	iP		16 30 14.2
	i		30 18.7
	iS		30 47.6
NEL	iP		16 30 11.3
	i		30 15.7
	iS		30 43
	iL		30 52
TUC	eP		16 30 57
	e		31 18
	i		32 06
	i		32 17
	iL		32 31
July 2			
HH	e(P)		19 59 31
	e		20 00 03
SJ	iP		19 54 39
July 2			
NEL	iP		20 43 59.7
July 2			
BOZ	e(P)		22 37 24
HH	eP		22 37 22
TUC	eP		22 45 37
	i		45 55
	i(S)		46 48
	i		47 04
	iL		47 29
July 2			
BC	i(S)		22 48 33.7
	iL		49 17.1
NEL	i(S)		22 48 29.0
	iL		49 03.6
July 3			
COL	eP		08 01 26
	e		01 56
July 3			
BC	iP		08 09 49.4
BOZ	eP		08 09 11
BUT	eP		08 10 55
COL	eP		08 05 56
	iP		05 57
	eL		10 07
COLU	eP		08 12 14
	eL		37 42
HH	eP		08 08 54
NEL	iP		08 09 50.4
SLC	eP		08 09 40
SJ	iP		08 14 03
TUC	iP		08 10 26
	i		10 44
July 3			
BC	i(P)		08 12 03.6
COL	iP		08 08 19
HH	e(P)		08 11 04
NEL	i(P)		08 12 04.4
SJ	i(P)		08 16 17
TUC	i(P)		08 12 41
July 3			
COL	eP		08 46 18
July 3			
COL	eP		08 54 12
July 3			
COL	eP		08 58 20
July 3			
COL	eP		11 31 44
July 3			
COL	eP		11 40 35
July 3			
COL	eP		11 53 19
July 3			
NEL	eP		12 51 15
July 3			
COL	iP		13 54 34
July 3			
COL	iP		14 13 22
	i		13 43
HH	iP		14 15 09
July 3			
BC	iP		14 35 23.7
	i		36 00.6
BOZ	eP		14 34 54
	i		35 07
BUT	eP		14 34 46
CHI	eP		14 36 47
	e		37 04
	e(PPP)		40 46
	eS		45 07
	e(ScS)		47 15
	eL		52 40
COL	iP		14 31 31
	ePcP		34 28
	iS		35 33
	eL		36 50
	eScS		42 27
COLU	eP		14 37 49
	i		37 59
	e		38 07
	eS		47 05
	eL		54 25
HH	iP		14 34 31
	i(PP)		35 56
	ePcP		36 14
	i		36 31
	e		36 58
	e(S)		40 20
	e		41 08
	eScS		44 29
MONT	eP'		14 45 29
NEL	iP		14 35 25.1
PHIL	eC		14 46 41
	eScS		47 29
	eL		15 00 37
SLC	eP		14 35 15
	iP		35 18
	i		35 33
	eS		42 15
	eScS		45 09
	eL		47 05
SJ	iP		14 39 38
	i		39 49
SIT	eP		14 32 19
	iPP		33 18
	iS		37 40
	eL		39 41
TUC	iP		14 36 02
	i		36 11
	iPcP		37 18
	iPP		38 14
	iS		43 43
	eL		52 46
WASH	eP		14 37 38
	i		37 55
July 3			
BC	iP		15 29 49.8
COL	iP		15 25 58
HH	eP		15 28 56
	iP		28 58
NEL	iP		15 29 51.8
	i		30 01.0
SJ	iP		15 34 04
TUC	iP		15 30 27
	i		30 37
July 3			
COL	eP		16 30 40

Date and Station		Phase (GCT)
		h m s
July 3		
COL	eP	17 17 10
July 3		
BUT	eP	17 50 44
	eL	52 25
NEL	eP	17 49 41
	iP	49 46
	eS	50 29
	iS	50 32
	iL	51 02
SLC	e(P)	17 49 52
	iP	50 02
TUC	eP	17 51 14
	i	51 19
	i(S)	53 09
	iL	53 20
July 3		
SLC	eP	19 19 13
July 3		
COL	eP	19 45 26
July 4		
COL	iP	02 19 20
July 4		
BC	eP	02 51 43
	e	51 54
BOZ	eP	02 52 31
BUT	iP	02 52 37
COL	iP	02 56 01
	i	56 37
COLU	eP	02 50 31
	eS	54 48
	eL	57 12
HH	iP	02 53 02
	ePP	54 32
NEL	iP	02 51 40.3
TUC	eP	02 50 58
	iP	51 02
	i	51 22
July 4		
BC	eP	07 23 13
	i	23 33.5
NEL	eP	07 23 20
	i	23 34.8
TUC	e(P)	07 23 51
July 4		
BOZ	eP	08 51 25
BUT	eP	08 51 31

Date and Station		Phase (GCT)
		h m s
HH	eP	08 51 39
July 4		
NEL	eP	12 38 24
	i	38 36
	iS	39 36
	iL	39 59
SLC	eP	12 38 50
	eS	39 52
	eL	40 07
TUC	eP	12 39 39
	e	40 06
	eL	42 09
July 4		
COL	iP	14 13 57
July 4		
BC	iP	14 28 39.6
	i	28 50.3
BUT	iP	14 28 02
CHI	eP	14 30 04
	ePPP	34 06
	eS	38 22
	e	38 32
	eL	48 52
COL	iP	14 24 46
	iS	28 59
	eL	30 00
COLU	iP	14 31 04
	i	31 24
	eS	40 18
	eScS	41 11
	e(SS)	44 27
	eL	48 56
	eP'P'	58 55
HH	iP	14 27 46
	i	28 05
	i	28 32
	ePP	29 36
	ePPP	30 17
	eS	34 23
	eP'P'	59 22
NEL	iP	14 28 34.9
PHIL	eP	14 30 50
	eS	39 56
	eSSS	47 32
	eL	50 12
SLC	eP	14 28 30
	iPcP	29 49
	ePP	30 29
	eS	35 30
	eScS	38 13
	e	39 27
	eL	40 23
SJ	iP	14 32 53
	i	33 03
	iPP	36 21

Date and Station		Phase (GCT)
		h m s
SIT	eP	14 25 34
	iPP	26 19
	e(S)	30 50
	eL	32 06
TUC	iP	14 29 16
	i	29 18
	iPP	31 18
	i(S)	37 20
	i	37 40
	eL	43 38
WASH	iP	14 30 53
	i	31 09
	i	32 14
	eL	15 00 04
July 4		
BC	iP	14 37 25.0
	i	37 35.1
COL	iP	14 33 32
HH	eP	14 36 31
	i	36 45
NEL	i(P)	14 37 26.7
SJ	iP	14 41 39
	i	41 49
July 4		
COL	eP	17 53 17
July 4		
COL	eP	20 21 27
July 4		
NEL	eP	20 41 04
	i	41 44.0
July 4		
COL	eP	23 07 51
SJ	e(P')	23 15 40
July 5		
COL	eP	00 31 17
July 5		
BC	iP	04 12 16.2
COL	iP	04 08 25
HH	eP	04 11 21
NEL	iP	04 12 17.3
	i	12 27.5
SJ	iP	04 16 30
TUC	iP	04 12 53
July 5		
NEL	eP	05 21 53
July 5		
COL	eP	06 59 38

Date and Station		Phase (GCT)
		h m s
July 5		
BC	eP	08 47 13
COLU	eP	08 47 53
HH	eP	08 47 02
MONT	eP	08 47 53
NEL	iP	08 47 13.1
	ipP	47 34.8
	e	50 27
July 5		
HH	e(P)	09 14 58
NEL	eP	09 09 42
	e	10 53
July 5		
BC	iP	10 53 05.1
COL	iP	10 53 39
NEL	iP	10 53 03.7
TUC	eP	10 53 11
July 5		
BC	iP	11 50 04.7
	i	50 17.7
BUT	eP	11 50 42
HH	eP	11 50 53
MONT	iP	11 39 08
NEL	iP	11 50 03.3
	i	50 16.3
SJ	eP	11 46 12
	i	46 29
TUC	iP	11 49 34
July 5		
BC	eP	15 18 02
BOZ	eP	15 17 43
COL	eP	15 20 20
HH	eP	15 17 33
NEL	iP	15 18 03.1
July 5		
COL	eP	15 29 22
July 5		
NEL	eP	19 25 35
	i	25 44.6
July 5		
NEL	eP	19 37 53

Date and Station		Phase	(GCT)
			h m s
July 5			
BH		eP	19 49 25
		eS	50 56
NEL		iP	19 55 52.9
July 5			
BC		eP	23 12 21
NEL		eP	23 12 25
July 5			
BH		iP	23 25 05
		iS	25 30
July 6			
BC		iP	02 04 35.3C
		iPcP	05 22.4
BOZ		eP	02 04 05D
		i	04 19
		i	04 27
BUT		iP	02 04 01
COL		iP	02 00 36C
		eS	05 24
		eL	06 40
COLU		iP	02 06 32C
		i	06 45
		eS	16 34
		eL	26 53
HONO		eP	02 02 40
		eS	09 20
		e(ScS)	12 22
		eL	13 03
T_L = 12 sec. $A_{max.}$=1.5mm			
HH		eP	02 03 41C
MONT		eP'	02 13 36D
NEL		iP	02 04 36.6C
		i	05 40.6
PHIL		eP	02 06 15
		ePP	09 17
		e	12 13
		eS	15 59
		eScS	16 25
		e(SS)	20 49
		eL	25 22
RC		eP	02 04 40
		iS	13 03
SLC		iP	02 04 25D
		i	04 53
		eS	12 38
		i	13 04
		iScS	14 12
		eSS	16 43
		eL	19 32
SIT		iP	02 01 39S,W
		ePP	03 07
SIT		iPPP	02 03 25
		iS	07 30
		eL	09 40
TUC		iP	02 05 08C
		iPcP	05 38
		iS	14 02
		i	14 26
		eL	22 10
WASH		iP	02 06 15C
		i	06 21
		e	07 57
		eL	34 14
July 6			
BC		eP	02 33 52
BOZ		e(P)	02 33 30
COL		eP	02 32 21
HH		eP	02 33 25
NEL		eP	02 33 43
SLC		e(P)	02 33 34
		e	33 59
July 6			
NEL		eP	03 42 24
July 6			
COL		iP	03 53 31
July 6			
NEL		eP	05 08 48
July 6			
HH		eP	05 30 47
		e(S)	31 21
		eL	31 24
July 6			
COL		iP	08 08 25
		e	08 38
July 6			
COL		eP	08 58 40
TUC		e(P)	09 03 08
		i	03 16
July 6			
HH		eP	10 20 29
July 6			
BC		iP	10 36 55.0
		i	37 41.2
		e(S)	42 58
BOZ		eP	10 36 34
COL		eP	10 32 43
		e(S)	35 18
		eL	36 11
HH		eP	10 35 54
		i	36 05
HH		eL	10 42 32
SLC		eP	10 36 55
SJ		iP	10 41 44
TUC		iP	10 37 36
		iPP	39 24
July 6			
BOZ		eP	15 12 27
COL		iP	15 12 25
		ipP	12 53
		isP	13 03
HH		eP	15 12 25
		ePP	16 05
SLC		iP	15 12 12
TUC		iP	15 11 52
July 6			
COL		eP	15 23 18
July 6			
NEL		eP	21 00 18
July 6			
BH		iP	21 59 06
		iS	22 00 13
NEL		iP	22 05 22.8
July 6			
COL		iP	23 47 45
NEL		i(P)	23 51 50.4
July 7			
NEL		i(P)	00 08 30.6
July 7			
NEL		eP	05 00 56
July 7			
BC		eP	05 04 13
BOZ		eP	05 04 52
BUT		eP	05 05 01
COL		eP	05 08 17
		i	09 15
COLU		eP	05 02 28
		eS	06 36
		eL	08 00
HH		eP	05 05 19
		ePcP	07 16
NEL		iP	05 04 10.7
		iPcP	06 49.4
		e(S)	10 30
PHIL		ePP	05 04 28
		eS	08 28
PHIL		eL	05 09 36
SLC		eP	05 04 26
SJ		iP	05 02 21
TUC		eP	05 03 28
		i	03 38
		iL	10 08
July 7			
BC		eP	07 16 32
		i	16 39.9
COL		iP	07 12 39
		i	12 56
HH		eP	07 15 48
NEL		iP	07 16 32.8
		i	16 40.8
TUC		iP	07 17 08
		i	17 16
July 7			
TUC		eP	08 23 08
July 7			
BC		eP	09 20 28
		e	22 26
BOZ		eP	09 22 11
COL		eP	09 21 43
HH		e(P)	09 22 03
		e	24 14
NEL		eP	09 20 26
		i	22 25.0
TUC		iP	09 20 34
		i	22 34
July 7			
COL		iP	10 02 50
July 7			
COL		eP	11 41 35
July 7			
COL		eP	13 54 58
July 7			
BC		iP	18 19 01.0
		i	19 09.5
COL		iP	18 15 08
HH		eP	18 18 09
NEL		iP	18 19 01.9
		i	19 10.4
July 7			
BC		iP	23 06 05.6

Date and Station		Phase (GCT)
		h m s
HH	eP	23 06 54
NEL	iP	23 06 03.8
	ipP	06 27.6
July 8		
COL	iP	00 03 50
July 8		
NEL	eP	04 12 26
July 8		
NEL	eP	06 27 15
July 8		
NEL	eP	06 50 47
July 8		
COL	iP	14 24 26
HH	eP	14 26 29
July 8		
COL	eP	16 18 41
July 8		
COL	iP	18 06 06
	ipP	08 14
July 8		
COL	iP	18 32 07
	i	33 20
	ipP	34 13
HH	eP	18 32 13
	epP	34 19
NEL	iP	18 31 40.3
	ipP	33 44.3
July 8		
BC	eP	18 50 41
	epP	52 44
BOZ	epP	18 53 21
BUT	epP	18 53 17
	eSKS	19 00 52
	iS	01 23
	iSP	02 33
	eSS	05 07
	esPS	06 10
COL	iP	18 51 07
	ipP	53 13
	iS	19 01 07
HH	eP	18 51 14
	epP	53 19
	eSKS	19 00 53
MONT	e(P)	18 51 53
	epP	54 11
	iP'	56 03
NEL	iP	18 50 40.3
	ipP	52 41.3
	eP'P'	19 17 00

Date and Station		Phase (GCT)
		h m s
PHIL	eSKS	19 02 38
	eS	04 42
	esS	08 31
	esPS	10 09
SLC	eP	18 51 03
	ipP	53 06
	iS	19 01 03
TUC	iP	18 50 45
	ipP	52 48
	iS	19 00 19
July 8		
BC	iPP	19 23 42.4
BOZ	eP'	19 21 21
	iPP	23 16
	ipP'	23 30
BUT	e(P')	19 22 31
COL	eP	19 15 57
	epP	18 08
	ePP	20 02
	iSKS	25 33
	i	32 10
	iPKKP	32 39
	e	36 33
COLU	iP'	19 21 52
	i	21 58
	ipP'	24 12
	i	24 17
HH	eP'	19 21 04
	e	22 11
	ePP	22 55
	epP'	23 20
	e	29 01
MONT	iP'	19 21 57
	ipP'	24 23
NEL	iP'	19 21 17.3
	iPP	23 27.2
	i(pP)	23 41.3
	ipPPP	28 04.3
PHIL	eSKKS	19 30 58
	eSS	43 06
	eSSS	48 25
SLC	e(P')	19 21 15
	ePP	23 23
	e	29 26
	e(PS)	33 36
TUC	iP'	19 21 18
	iPP	23 56
	iPPP	27 14
	eSKSP	36 24
	eiPS	39 54
	eL	20 01 35
WASH	iP'	19 21 46
	ipP'	24 03
	i	24 22

Date and Station		Phase (GCT)
		h m s
July 8		
NEL	i(P)	19 34 16.1
	i	34 31.8
July 9		
BC	iP	00 59 20.8
BOZ	eP	00 58 32
COL	iP	00 54 17
HH	iP	00 58 01
NEL	iP	00 59 23.2
	i	59 34.2
TUC	iP	01 00 03
July 9		
COL	iP	04 47 45
July 9		
COL	iP	05 16 49
NEL	eP	05 20 43
TUC	iP	05 21 17
July 9		
COL	eP	06 55 20
	i	55 23
July 9		
BC	iP	09 05 03.2
COL	iP	09 01 13
HH	e(P)	09 04 13
NEL	iP	09 05 04.0
July 9		
NEL	eP	10 16 52
July 9		
COL	eP	11 04 35
July 9		
BH	eP	17 22 42
	iS	23 32
NEL	eP	17 29 44
	i	30 13
July 9		
NEL	eP	18 01 09
July 9		
MONT	iP	18 26 34
NEL	eP	18 36 17
SJ	eP	18 33 06
July 9		
COL	eP	20 47 43
NEL	eP	20 47 49

Date and Station		Phase (GCT)
		h m s
July 9		
NEL	eP	21 31 46
July 10		
BUT	eP	00 06 19
COL	iP	00 05 22
HH	eP	00 06 11
July 10		
BC	iP	01 23 24.5
COL	iP	01 19 34
HH	i(P)	01 22 34
NEL	iP	01 23 25.5
July 10		
COL	eP	02 18 05
July 10		
COL	eP	04 29 35
HH	eP	04 30 24
July 10		
NEL	eP	04 44 26
July 10		
COL	eP	06 11 55
July 10		
BC	eP	07 04 14
MONT	eP	06 54 24
	i	54 38
NEL	iP	07 04 12.3
SJ	eP	07 01 02
July 10		
NEL	eP	09 21 30
July 10		
BC	eP	12 11 27
NEL	eP	12 11 25
July 10		
BC	eP	14 33 02
BOZ	eP	14 33 41
BUT	eP	14 33 37
	iP	33 40
	iS	44 18
	ePPS	47 13
	eSS	50 06
	eL	58 02
COL	iP	14 33 41
	iS	44 19
	eL	52 44

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Date and Station		Phase	Phase (GCT) h m s
COLU	eSKS		14 45 33
	ePS		48 28
	eSS		53 30
	eL		15 05 25
HONO	eP		14 29 11
	e(S)		35 43
	eL		39 28
HH	eP		14 33 41
NEL	iP		14 33 03.1
SLC	eP		14 33 26
	iP		33 28
	i		33 53
	e(S)		43 24
	i		43 57
	eSS		49 28
	eL		56 18
TUC	iP		14 33 07
	i		33 25
	iS		43 18
	eL		57 37
July 10			
COL	iP		15 01 56
July 10			
BC	eP		15 27 27
NEL	eP		15 27 27
July 10			
COL	iP		15 34 06
July 10			
COL	eP		15 49 57
July 10			
BUT	e(P)		16 36 37
HH	e(P)		16 36 12
NEL	eP		16 36 59
July 10			
COL	iP		17 12 32
July 10			
NEL	iP		19 38 54.3
July 10			
BH	iP		19 53 54
July 10			
BOZ	e(P)		21 26 05
COL	iP		21 25 53
NEL	iP		21 25 24.4
TUC	iP		21 25 33
July 11			
NEL	eP		00 20 42
July 11			
BC	iP		01 33 32.5
NEL	iP		01 33 45.6
	i		34 00.6
July 11			
COL	iP		03 17 58
HH	e(P)		03 17 55
	eL		23 22
NEL	iP		03 19 44.0
SIT	eP		03 14 40
	iS		15 09
July 11			
BC	eP'		05 27 14
	i		27 20.2
BOZ	e(P')		05 27 09
COLU	iP'		05 27 51
HH	iP'		05 27 03
NEL	eP'		05 27 09
	i		27 19.4
TUC	eP'		05 27 18
July 11			
NEL	iP		05 30 35.4
July 11			
BH	eP		06 57 52
	iS		58 16
July 11			
COL	eP		11 39 31
July 11			
BH	iP		16 21 23
	iS		21 47
NEL	eP		16 28 52
	i		28 56.4
July 11			
BC	iP		17 24 36.7
BOZ	eP		17 24 09
COL	iP		17 20 47
NEL	eP		17 24 38
July 11			
WASH	iP		17 42 28
July 11			
NEL	eP		18 10 49
TUC	eP		18 09 05
July 11			
SLC	e(P)		18 42 49
July 11			
COLU	iP		20 32 50
HH	e(P)		20 35 03
MONT	iP		20 31 16
NEL	eP'		20 39 28
PHIL	eP		20 32 34
	eS		41 36
	eSS		45 34
	eL		49 28
SJ	eP		20 31 00
WASH	iP		20 32 43
	e		38 16
	eL		55 20
July 12			
BC	iP		00 57 44.0
NEL	eP		00 57 51
July 12			
NEL	eP		01 30 05
July 12			
NEL	eP		02 27 56
July 12			
COL	iP		03 31 53
July 12			
BC	iP		06 40 19.7
	ipP		40 36.9
COL	iP		06 36 21
NEL	iP		06 40 21.4
	ipP		40 37.8
July 12			
BC	eP		07 51 25.4
NEL	iP		07 51 23.7
July 12			
BC	iP		09 40 58.8
COL	iP		09 41 21
HH	e(P)		09 39 35
NEL	e(P)		09 40 57
July 12			
NEL	eP		11 57 38
July 12			
NEL	eP		14 05 39
July 12			
NEL	iP		14 39 34.5
July 12			
BOZ	eP		14 55 47
HH	e(P)		14 56 00
SLC	e(P)		14 55 50
July 12			
COL	iP		16 06 21
	i		06 33
HH	eP		16 05 31
MONT	eP		15 55 03
NEL	iP		16 05 14.1
July 12			
COL	eP		17 15 43
	e		20 15
	eL		21 16
NEL	eP		17 19 54
July 12			
BC	iP		18 09 00.8
BOZ	eP		18 09 42
BUT	eP		18 09 38
COL	iP		18 09 37
HH	eP		18 09 35
NEL	iP		18 08 59.7
SLC	eP		18 09 25
TUC	eP		18 09 05
July 12			
COL	eP		18 41 31
July 12			
NEL	eP		22 18 28
	e		18 35
July 12			
HH	e(P)		23 47 16
July 13			
BC	iP		01 07 19.2
NEL	eP		01 07 18
July 13			
NEL	iP		01 46 04
July 13			
BC	iP		02 08 10.9
BOZ	eP		02 08 39
BUT	eP		02 08 45
HH	iP		02 08 56
MONT	iP		01 57 29
NEL	iP		02 08 09.2

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Date and Station		Phase (GCT)
		h m s
TUC	iP	02 07 39
July 13		
BC	iP	03 00 05.5
HH	e(P)	02 59 49
	e	59 57
NEL	iP	03 00 05.3
July 13		
BC	iP	09 51 24.4
NEL	iP	09 51 23.0
July 13		
BC	iP	10 07 23.9
	epP	08 23
BOZ	eP	10 08 01
BUT	eP	10 07 57
COL	iP	10 07 54
HH	iP	10 07 59
NEL	iP	10 07 22.7
	ipP	08 34.4
TUC	iP	10 07 26
	epP	08 38
July 13		
COL	eP	13 59 37
July 13		
BC	eP	15 24 53
NEL	iP	15 24 53.9
July 13		
NEL	eP	16 04 04
July 13		
BC	iP	18 53 57.9
	i	54 25.2
BOZ	e(PP)	18 58 22
COL	iP	18 52 57
HH	eP	18 54 01
NEL	iP	18 53 57.0
July 13		
BOZ	eP'	20 35 23
BUT	eP'	20 35 24
COL	eP'	20 36 08
	iP'	36 14
HH	iP'	20 35 28
	i(PP)	37 26
	ePPS	47 33
	e	48 18

Date and Station		Phase (GCT)
		h m s
MONT	iP	20 24 46
NEL	iP'	20 35 11.5
SLC	iP'	20 35 16
SJ	eP	20 28 39
	e	30 30
July 13		
BC	eP	20 45 34
NEL	iP	20 45 34.7
	ipP	45 58.4
July 13		
BOZ	e(P)	22 00 24
July 14		
HH	iP	01 28 19
MONT	iP	01 16 32
NEL	eP	01 27 30
	epP	28 03
July 14		
BC	iP	04 07 24.0
COL	iP	04 06 25
HH	eP	04 07 28
NEL	iP	04 07 23.9
SJ	eP'	04 13 23
	iP'	13 32
July 14		
BC	eP'	10 10 47
	i	10 52.4
BOZ	eP'	10 10 38
BUT	ePP	10 12 00
COL	e(P)	10 04 54
COLU	ePP	10 11 05
HH	eP'	10 10 26
	ePP	11 46
MONT	eP'	10 11 38
	e	15 52
NEL	iP'	10 10 47.0
	i	10 52.6
PHIL	e(PP)	10 14 17
	eSS	30 40
	eL	53 10
SLC	eP'	10 10 47
SJ	eP'	10 11 22
TUC	eP'	10 10 56
	i	14 27

Date and Station		Phase (GCT)
		h m s
WASH	eP'	10 11 10
	ePP	13 37
	i	14 22
	eL	11 09 26
July 14		
BC	iP	10 29 29.5
COL	eP	10 26 16
HH	eP	10 28 50
	epP	29 01
MONT	iP	10 37 16
NEL	iP	10 29 30.6
	ipP	29 42.0
TUC	eP	10 29 55
July 14		
NEL	iP'	12 01 29.9
July 14		
NEL	eP	14 20 13
July 14		
COL	eP	15 15 25
HH	iP	15 17 38
July 14		
COL	iP	16 04 45
HH	iP	16 07 25
NEL	iP	16 08 07.7
	ipP	08 19.4
July 14		
COL	iP	18 44 08
July 14		
NEL	eP	19 44 28
	e	44 49
July 15		
COL	eP	02 12 49
July 15		
COL	iP	02 41 21
NEL	eP	02 45 03
July 15		
BC	iP	03 03 46.4
BOZ	e(P)	03 04 23
	eP	04 25
BUT	e(P)	03 04 25
COL	eP	03 04 12
HH	eP	03 04 19
NEL	iP	03 03 43.4
	i	06 34.2

Date and Station		Phase (GCT)
		h m s
SLC	e(P)	03 04 08
TUC	iP	03 03 50
	eL	27 38
July 15		
BOZ	eP	04 48 20
	i	50 10
COL	iP	04 49 24
HH	e(P)	04 47 33
	e	49 18
	eL	51 14
NEL	eP	04 49 09
	i	49 30.1
	e	50 55
SLC	eP	04 50 31
July 15		
NEL	iP	06 21 30.1
July 15		
COL	iP	10 30 21
	e	31 15
July 15		
BC	iP	12 07 12.7
HH	iP	12 06 40
NEL	iP	12 07 13.3
July 15		
BC	eP	14 28 51
COL	eP	14 24 37
NEL	eP	14 28 50
July 15		
BC	eP	18 48 11
NEL	eP	18 44 30
July 15		
NEL	eP	20 04 32
	i	05 00.1
July 15		
BC	eP	20 12 58
HH	e(P)	20 14 06
NEL	iP	20 12 56.3
SLC	eP	20 13 11
SJ	eP	20 10 05
July 15		
BC	iP	23 28 55.3
BUT	eP	23 28 34
NEL	iP	23 28 55.8

Date and Station		Phase	Phase (GCT) h m s
July 16			
COL		eP	00 51 41
July 16			
NEL		iP	01 49 46.9
July 16			
SJ		eP	02 16 18
July 16			
NEL		eP	02 28 21
		e	28 35
July 16			
NEL		iP	04 13 33.9
July 16			
NEL		eP	07 09 01
		i	09 06
July 16			
BC		eP	07 20 52D
		i	20 58.2
		ePP	24 51
		ePKKP	37 28
BOZ		eP	07 20 07C
		iP	20 08
		i	20 27
		ePP	23 42
		eS	30 42
		iS	30 55
		ePS	31 49
		e	32 42
		eSS	36 42
		e(SSS)	41 12
		eL	45 26
BUR		eP	07 18 39
BUT		eP	07 20 06
		iP	20 07
		ePP	23 40
		iS	30 49
		e	32 07
		i	32 18
		eSS	36 44
		eSSS	40 38
		eL	44 14
COL		iP	07 19 08D
		e	21 34
		ePP	22 20
		ePPP	24 07
		iS	29 03
		iSS	34 14
		iL	37 11
COLU		iP	07 19 35D
		ePP	22 25
		iS	29 53
		eSS	34 41
		eSSS	38 11
		eL	40 12
HONO		ePS	07 37 31
		eSS	43 44
		eSSS	49 07
		eL	57 42

T_L = 17 sec. $A_{max.}$=1.5mm.

Date and Station		Phase	Phase (GCT) h m s
HH		iP	07 20 01C
		ePP	23 54
		eS	30 42
MONT		eP'	07 25 40
		ePP	25 59
NEL		eP	07 20 53D
		iP	20 53.7
		i	20 59.1
		iPP	24 48.4
		ePKKP	37 21
PHIL		eP	07 18 53S,E
		ePP	21 48
		eS	28 25
		iS	28 32
		eSS	33 16
		e(SSS)	37 11
		eL	39 42
RC		eP	07 19 58
		e	20 23
		e	22 38
		ePP	23 21
		ePPP	25 16
		eS	30 33
		eSS	35 25
		eSSS	39 31
		eL	43 29
SLC		eP	07 20 27C
		iP	20 29
		i	21 32
		ePP	24 12
		ePPP	26 09
		eS	31 03
		ePPS	33 07
		eSS	38 06
		eSSS	41 45
		eL	47 02
SJ		iP	07 19 31D
		ePP	22 51
		iS	29 44
		i	30 51
		eSS	34 56
		eL	40 33
SIT		iP	07 19 45N,W
		i	21 10
		eS	30 03
		iS	30 05
		i	33 41
		eSS	36 07
		eL	45 44
TUC		eP	07 20 59
		e	22 23
		ePP	24 54
		iPP	25 01
		ePPP	27 42
		e	30 28
		eS	32 17
		iS	32 34
		iPS	34 11
		ePKKP	37 16
		eSS	39 24
		eSSS	42 59
		eL	47 08

Date and Station		Phase	Phase (GCT) h m s
WASH		iP	07 19 05D
		i	21 23
		e	22 25
		eS	29 00
		e	31 21
		e	35 20
		iSSS	37 45
		eL	42 21
July 16			
COL		eP	07 46 09
July 16			
NEL		eP	08 02 53
July 16			
NEL		iP	09 54 52.5
		i	55 02.8
July 16			
NEL		eP	10 03 31
July 16			
NEL		iP	11 16 53.0
July 16			
COL		iP	12 04 23
July 16			
BC		iP	12 29 08.1
NEL		iP	12 29 08.3
		i	29 18.9
SLC		iP	12 29 33
TUC		eP	12 29 12
		eL	57 03
July 16			
COL		iP	12 49 47
July 16			
NEL		eP	13 30 07
TUC		iP	13 30 13
July 16			
COL		eP	13 45 03
MONT		iP	13 34 47
		e(S)	38 00
		eL	38 17
NEL		iP	13 41 56.9
		i	42 08.8
SJ		eP	13 38 32
TUC		eP	13 41 23
July 16			
COL		iP	14 43 14
July 16			
NEL		iP	16 18 17.6
SJ		iP	16 14 21

Date and Station		Phase	Phase (GCT) h m s
July 16			
NEL		iP	16 46 50.5
July 16			
COL		e(P)	17 17 40
July 16			
BC		e(P)	20 14 18
NEL		e(P)	20 15 00
		e	15 38
July 16			
COL		eP	22 09 51
July 17			
NEL		eP	04 21 39
July 17			
NEL		eP	05 18 58
July 17			
COL		iP	06 12 48
July 17			
COL		iP	06 19 36
NEL		eP	06 19 03
July 17			
COL		iP	07 18 53
NEL		iP	07 18 57.7
TUC		iP	07 19 08
July 17			
BC		iP	08 04 54.8
BOZ		eP	08 04 28
BUT		eP	08 04 21
COL		iP	08 01 10
HH		eP	08 04 06
NEL		iP	08 04 55.5
SLC		eP	08 04 47
TUC		eP	08 05 26
July 17			
COL		iP	08 31 10
July 17			
NEL		eP	11 12 50
July 17			
BOZ		eP	12 28 59
		e	29 08
COL		iP	12 25 36
HH		eP	12 28 39
NEL		iP	12 29 38.5

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Date and Station		Phase (GCT)
		h m s
SJ	eP	12 34 08
	i	34 20
TUC	eP	12 30 10
July 17		
COL	iP	12 28 30
July 17		
BC	iP	22 06 07.6
BOZ	iP	22 05 35
	i	05 45
BUT	eP	22 05 33
	iPcP	07 43
	iS	11 13
	i	11 21
	eL	13 46
CHI	eP	22 07 37
	iS	15 01
	eL	19 14
COL	iP	22 01 56
	iS	04 10
	iL	05 00
COLU	iP	22 08 42
	eS	17 03
	eL	24 17
HH	eP	22 05 07
	iPcP	07 07
NEL	iP	22 06 09.8
PHIL	eP	22 08 40
	eS	16 47
	eSS	20 27
	e	21 46
	eL	24 06
SLC	eP	22 05 56
	iPcP	07 56
	eL	15 05
	eScS	16 13
SJ	iP	22 10 47
SIT	iP	22 02 44
	iPP	03 16
	i	03 38
	eS	06 16
	iS	06 17
	eL	08 18
TUC	iP	22 06 50
	iS	13 36
	eL	19 51
WASH	eP	22 08 34
	i	08 46
	ePcP	09 26
	e(PPP)	31 42
July 17		
COL	iP	22 30 34

Date and Station		Phase (GCT)
		h m s
July 17		
COL	iP	22 33 08
July 17		
BOZ	e(P)	22 43 34
COL	eP	22 39 08
July 17		
COL	iP	22 49 04
July 18		
COL	eP	00 21 27
	e	21 45
July 18		
BC	iP	01 07 39.4
COL	iP	01 07 34
	eS	18 02
HH	eP	01 07 59
	ePP	11 50
NEL	iP	01 07 38.3
	iPP	11 09.1
SLC	iP	01 07 57
	e(PP)	11 46
SJ	iP'	01 13 41
TUC	iP	01 07 49
	i	07 57
July 18		
BC	eP	02 22 49
	ipP	23 09.2
BOZ	eP	02 22 17
BUT	eP	02 22 19
COL	iP	02 18 54
	eS	22 24
	eL	23 36
COLU	iP	02 25 25
HH	eP	02 21 50
	i	22 01
	e(PcP)	24 35
NEL	iP	02 22 50.0
	ipP	23 10.3
SJ	iP	02 27 26
	i	27 39
TUC	eP	02 23 28
July 18		
COL	iP	07 30 04
July 18		
BH	iP	08 28 28
	iS	29 15

Date and Station		Phase (GCT)
		h m s
July 18		
BC	eP	10 25 18
	i	25 44.9
COL	eP	10 21 49
	ePP	23 04
	eS	27 50
	eL	31 13
HH	eP	10 24 47
NEL	eP	10 25 26
	i	25 45.2
TUC	eP	10 25 59
July 18		
BC	iP	10 37 35.9
	iPcP	37 51.6
COL	iP	10 33 59
HH	e(P)	10 36 49
NEL	iP	10 37 36.6
	iPcP	37 52.4
July 18		
BC	eP	10 47 35
	iPcP	47 49.8
BUT	eP	10 47 21
COL	iP	10 43 57
HH	eP	10 46 57
NEL	eP	10 47 35
	i	47 42.5
TUC	eP	10 48 06
July 18		
BC	eP	10 52 16
	iPcP	52 23.4
BOZ	eP	10 51 50
BUT	eP	10 51 55
COL	iP	10 48 30
HH	eP	10 51 27
NEL	eP	10 52 11
	iPcP	52 18.3
SLC	e(P)	10 52 08
July 18		
COL	iP	11 36 15
July 18		
BC	iP	11 42 38.9
	ipP	43 25.1
	iPKKP	12 00 17.7
	eP'P'	08 10
	iP'P'	08 16.0

Date and Station		Phase (GCT)
		h m s
BOZ	eP	11 43 03
BUT	iP	11 43 12
	iSKS	53 27
	iS	54 02
	esS	55 20
	ePPS	56 40
	e	59 04
	eL	12 07 40
COL	iP	11 42 23
	ipP	42 56
	ePP	45 47
	epPP	46 11
	i	52 30
	iS	52 31
	esS	53 33
	eSS	58 31
	ePKKP	12 00 18
	iPKKP	01 26
	eL	05 35
HH	iP	11 42 58
	ipP	43 39
	ePP	46 49
	eSKS	53 14
	iPKKP	12 00 04
	eP'P'	08 12
	iP'P'	08 20
NEL	iP	11 42 38.1
	iPP	46 09.9
	iPKKP	12 00 19.0
	eP'P'	08 10
	iP'P'	08 25.6
SLC	eP	11 42 56
	ipP	43 45
	eSKS	53 15
	eSF	55 13
	ePPS	56 19
	eSS	59 21
	esSS	12 00 08
	eL	04 50
SJ	iP'	11 48 49
	e	51 52
TUC	iP	11 42 51
	ipP	43 37
	iSKS	53 07
	ePKKP	12 00 15
	iPKKP	00 17
July 18		
MONT	iP	11 59 06
July 18		
COL	iP	13 28 35
July 18		
COL	iP	13 34 36
July 18		
BC	iP	13 44 54.7
BOZ	eP	13 45 35

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Date and Station		Phase (GCT) h m s
COL	iP	13 45 33
HH	e(P)	13 45 30
	i	45 53
NEL	iP	13 44 53.8
SLC	eP	13 45 30
TUC	eP	13 45 04
July 18		
COL	eP	17 09 34
	epP	10 29
July 18		
BC	eP	20 18 37
COLU	eP	20 17 10
MONT	e(P)	20 20 02
	i	20 18
NEL	iP	20 18 36.3
	i	21 28.3
July 18		
NEL	eP	20 25 07
July 19		
BOZ	eP	00 44 53
COL	iP	00 44 20
July 19		
BC	iP	02 05 13.8
	iL	06 05.3
NEL	iP	02 05 13.0
	i	05 21
	iS	05 59.4
	iL	06 07
TUC	eP	02 06 17
	eL	08 11
July 19		
COL	eP	03 10 27
July 19		
COL	iP	05 38 46
	e	38 57
July 19		
NEL	eP	05 57 08
July 19		
BOZ	eP	09 01 03
BUT	eP	09 01 08
COL	iP	08 59 03
HH	e(P)	09 00 57
MONT	eP'	09 07 14
NEL	eP	09 01 53
	ePP	06 00

Date and Station		Phase (GCT) h m s
July 19		
COL	iP	09 06 24
July 19		
COL	iP	15 25 33
	ipP	26 34
HH	eP	15 23 33
July 19		
COL	iP	15 32 23
	eS	33 15
	eL	33 33
BC	eP	15 36 50
HH	eP	15 35 40
NEL	eP	15 36 51
	i	36 57.0
July 19		
BC	iP	16 04 21.5
HH	iP	16 04 06
MONT	eP'	16 10 53
NEL	iP	16 04 21.9
SLC	eP	16 04 24
July 19		
BC	eP	16 27 28
	e	34 02
BOZ	eP	16 26 31
	ePP	27 03
	e(S)	31 17
	eL	33 33
BUT	eP	16 26 22
	iPcP	29 15
	eL	33 04
COL	iP	16 22 15
	iS	23 35
	iL	23 51
HH	iP	16 25 58
	i	28 16
	eS	30 04
	eL	32 18
NEL	iP	16 27 29.7
	iPcP	30 29.9
	iL	34 05.0
SLC	eP	16 27 03
SIT	eP	16 22 24
	e(S)	23 48
	eL	24 13
TUC	eP	16 28 11
July 19		
BC	eP	16 50 47

Date and Station		Phase (GCT) h m s
BOZ	eP	16 49 50
BUT	eP	16 49 36
	iP	49 38
	ePcP	52 16
	eS	53 12
	eL	53 38
COL	iP	16 45 33
	iS	46 43
	iL	47 17
HH	iP	16 49 16
	eS	53 17
	eL	56 04
NEL	iP	16 50 47.9
SLC	eP	16 50 21
July 19		
NEL	iP	16 57 21.7
July 19		
COL	eP	17 27 45
HH	e(P)	17 31 58
	e	32 35
July 19		
COL	eP	17 50 17
	ipP	50 39
July 19		
HH	eP	18 02 52
	e	03 24
July 19		
COL	iP	19 15 39
July 19		
COL	iP	19 34 58
July 19		
BC	iP	20 01 03.5
	ipP	01 19.9
BOZ	eP	20 00 34
	ePcS	05 58
BUT	e(P)	20 00 58
COL	iP	19 57 09
	eS	20 01 09
	esS	01 35
	eL	02 31
	eScP	04 34
	e	05 06
COLU	eP	20 03 28
HH	iP	20 00 09
	ipP	00 25
	iPcP	02 02
	iScP	05 46
	eScS	10 04
NEL	iP	20 01 05.4

Date and Station		Phase (GCT) h m s
NEL	ipP	20 01 21.4
	iPcP	02 26.9
	i(PP)	02 44
	iScP	06 14.0
SLC	eP	20 01 10
SJ	iP	20 05 17
	ipP	05 35
TUC	eP	20 01 40
July 19		
COL	eP	21 00 13
July 19		
COL	eP	21 31 50
July 19		
COL	eP	23 22 27
July 19		
BC	iP	23 59 01.1
	eScP	00 05 28
BOZ	eP	23 58 18
	ePcP	00 01 33
	eS	03 03
	i	03 24
	eL	04 25
BUT	eP	23 58 10
	iPcP	00 01 15
	iS	02 59
	i	03 31
	eL	04 27
CHI	eP	00 00 36
	eS	06 59
	eScS	10 09
	eL	13 26
COL	iP	23 54 32
	iS	56 15
	eL /	56 54
COLU	eP	00 01 39
	iP	01 41
	iS	09 09
	eL	18 04
HONO	e(P)	23 59 28
	eS	00 05 04
	eL	07 12
T_L = 8 sec. $A_{max.}$=4mm.		
HH	iP	23 57 48
	i	57 58
	eS	00 01 31
	e	31 01
NEL	iP	23 59 01.7
	iScP	00 05 28.3
PHIL	eS	00 08 51
	eScS	11 15
	eSS	12 30

Date and Station		Phase (GCT) h m s
PHIL	eL	00 15 43
RC	eP	23 59 06
	ePP	00 00 23
	iS	04 28
	eScS	09 30
	eL	11 42
SLC	eP	23 58 29
	i	58 49
	e(S)	00 03 58
	eL	06 16
SJ	eP	00 03 56
SIT	eP	23 54 41
	eS	56 21
	iL	56 47
TUC	iP	23 59 44
	iPP	00 01 09
	iS	05 40
	eL	11 10
WASH	eP	00 01 32
	i	01 37
	eS	09 00
	eL	18 31
July 20		
BC	iP	00 07 55.1
HH	iP	00 06 44
	e	10 40
NEL	iP	00 07 56.8
July 20		
BC	iP	00 21 00.6
COL	eP	00 16 28
	iP	16 30
HH	iP	00 19 44
NEL	iP	00 20 56.7
	i	21 02.8
	e	21 30
TUC	iP	00 21 43
July 20		
HH	e(P)	01 52 49
July 20		
HH	e(P)	02 12 20
July 20		
COL	eP	02 19 00
	e	21 47
HH	eP	02 22 14
NEL	eP	02 23 27
July 20		
COL	iP	02 51 41
HH	eP	02 54 40

Date and Station		Phase (GCT) h m s
NEL	eP	02 55 34
July 20		
BOZ	eP	04 16 06
COL	iP	04 12 43
HH	iP	04 15 41
July 20		
BC	eP	04 16 42
NEL	eP	04 16 35
TUC	eP	04 17 11
	i	17 14
July 20		
HH	e(P)	04 26 45
NEL	iP	04 25 57.3
	i	26 14.7
SJ	i(P)	04 20 54
	e	23 05
TUC	iP	04 25 33
July 20		
HH	e(P)	04 32 34
July 20		
HH	e(P)	04 36 39
July 20		
BC	eP	06 49 04
	i	49 06.7
	iPcP	52 02.7
BOZ	eP	06 50 23
	ePcP	53 37
	eL	07 00 24
BUT	eP	06 50 31
	ePcP	53 36
	i	54 17
	e(S)	55 25
	eL	58 30
COL	iP	06 51 01
COLU	iP	06 50 15
	ePcP	53 21
	iPcP	53 22
HH	eP	06 50 51
	ePcP	53 56
NEL	iP	06 49 01.3
	i	49 02.9
	i(PcP)	52 06.8
SLC	eP	06 49 42
	ePcP	52 48
TUC	iP	06 48 06
	iS	51 10
	eL	53 08

Date and Station		Phase (GCT) h m s
BC	eP	07 01 24
MONO	eL	07 11 35
HH	e(P)	07 03 14
NEL	iP	07 01 21.2
SLC	e(P)	07 02 02
TUC	iP	07 00 25
July 20		
COL	eP	07 09 52
July 20		
BC	eP	07 39 35
BOZ	eP	07 39 04
COL	eP	07 35 39
	iP	35 42
	i	35 56
HH	eP	07 38 38
	e	43 10
NEL	eP	07 39 35
	i	40 04.6
SJ	eP	07 38 52
July 20		
HH	e(P)	07 56 00
NEL	eP	07 57 12
July 20		
COL	eP	08 19 44
	iP	19 46
HH	e(P)	08 22 42
July 20		
COL	iP	08 23 47
July 20		
HH	e(P)	10 18 11
July 20		
COL	eP	10 21 23
HH	e(P)	10 24 38
NEL	eP	10 25 52
July 20		
COL	iP	16 28 05
July 20		
HH	iP	17 06 51
	e	07 01
MONT	iP	17 14 57
July 20		
HH	eP	17 38 14

Date and Station		Phase (GCT) h m s
July 20		
HH	e(P)	20 27 34
July 20		
COL	eP	20 44 21
July 20		
BC	eP	21 09 33
BOZ	eP	21 10 07
	i	10 37
BUT	eP	21 10 05
CHI	eP	21 10 09
	eS	18 05
	e	18 22
	eScS	20 14
	eSS	21 50
	eL	24 00
COLU	iP	21 07 27
	iS	12 50
	eL	18 13
HH	eP	21 10 30
	iP	10 32
	iPcP	11 28
MONT	eP	21 06 04
	eS	10 46
PHIL	eP	21 08 17
	ePP	09 43
	eS	14 21
	e	15 25
	eL	17 22
SLC	eP	21 09 44
SJ	iP	21 05 36
	i(PP)	06 17
	iS	09 39
	eL	10 33
	iL	10 34
TUC	iP	21 08 55
	i	09 05
	iPP	10 42
	iS	15 32
	eL	23 26
WASH	eP	21 08 09
	e(PPP)	10 35
	eS	14 09
	eL	21 32
July 20		
COL	iP	21 27 59
July 20		
HH	iP	22 15 54
SLC	e(P)	22 17 54
July 21		
HH	e(P)	03 42 48

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

Date and Station		Phase (GCT)
		h m s
July 23		
COL	eP	11 40 56
July 23		
BOZ	eP'	13 07 17
BUT	eP'	13 08 18
COL	iP	13 01 48
	ipP	02 20
COLU	i(P')	13 08 05
	i(PP)	11 45
HONO	eP	13 00 30
HH	eP'	13 07 11
	epP'	07 50
MONT	iP'	13 08 13
SJ	i(P')	13 08 33
	i	09 21
July 23		
BC	iP	14 05 55.1
BOZ	eP	14 05 09
COL	iP	14 06 37
HH	iP	14 05 22
SLC	eP	14 05 28
TUC	eP	14 05 44
July 23		
COL	eP	14 09 23
	eS	19 32
	eL	30 02
MONT	eP'	14 17 12
July 23		
SJ	e(P)	14 32 00
July 23		
BOZ	iP	18 15 12
HH	eP	18 15 50
	i	16 12
	i(S)	16 48
	iL	17 03
July 23		
HH	eP	20 42 48
TUC	eP	20 40 28
July 23		
HH	eP	21 03 47
MONT	eP	20 55 34
TUC	iP	21 03 39
July 23		
HH	eP	22 15 40

Date and Station		Phase (GCT)
		h m s
HH	e	22 20 45
SIT	eP	22 12 13
	i	12 20
	iS	12 38
	iL	12 43
July 23		
HH	iP	23 11 44
SLC	e(P)	23 12 07
July 23		
SLC	eP	23 41 19
July 24		
BC	iP	01 16 45
	i	16 53
BOZ	eP	01 17 30
BUT	eP	01 17 17
COL	eP	01 17 16
	eS	27 30
	eL	39 11
HONO	e(P)	01 12 53
	eS	18 24
	eL	21 16
T_L = 10 sec. $A_{max.}$=1.5mm		
HH	eP	01 17 22
	ePP	20 31
PHIL	eSSS	01 30 23
	eL	56 03
SLC	eP	01 17 09
TUC	iP	01 16 50
	eL	40 24
July 24		
WASH	eP	02 54 14
July 24		
BC	iP	08 39 59.2
HH	e(P)	08 41 46
TUC	eP	08 39 02
July 24		
BC	iP	11 14 19
BOZ	iP	11 13 58
	ipP	14 30
BUT	iP	11 13 54
	ipP	14 25
	e	17 48
COL	eP	11 11 08
	ePP	13 03
	ePPP	14 08
	iS	18 19
	esS	18 44

Date and Station		Phase (GCT)
		h m s
COL	eL	11 26 31
HONO	eP	11 11 40
HH	iP	11 13 40
	ePP	16 27
SLC	iP	11 14 14
	ipP	14 59
TUC	iP	11 14 43
	i	17 25
	eL	41 10
July 24		
HH	e(P)	12 50 16
	e	52 16
July 24		
BC	iP	16 33 55.3
	iPP	38 00.2
	i	38 20.7
BUT	iP	16 33 30
	i	33 44
	e(PP)	37 05
	iPP	37 28
	eSKS	44 04
	iS	44 47
	i	44 57
	ePPS	46 34
	e	47 33
	eSS	51 21
	eL	17 00 24
COL	eP	16 31 10
	e(PP)	33 39
	ePPP	35 23
	iS	40 18
	isS	40 39
	eScS	41 32
	eL	54 44
HONO	eP	16 31 40
HH	iP	16 33 21
	ePP	36 58
	iPKKP	50 28
SLC	ePP	16 37 28
SJ	eP'	16 39 29
TUC	eP	16 34 16
	ePP	38 28
	ePS	47 48
	eL	17 09 50
July 24		
SJ	iP	16 48 50
	i(S)	49 22
	iL	49 30
July 24		
BC	iP	19 17 22.0
	i	18 00.3
COL	iP	19 17 21

Date and Station		Phase (GCT)
		h m s
HH	e(P)	19 17 46
TUC	iP	19 17 29
July 24		
HH	e(P)	19 56 54
July 24		
HH	e(P)	20 31 55
July 24		
HH	i(P)	21 19 32
July 24		
HH	e(P)	22 25 07
July 24		
COL	iP	22 41 22
HH	eP	22 41 29
July 25		
HH	eP	02 21 27
July 25		
COL	iP	03 27 49
July 25		
COL	eP	06 08 15
July 25		
HH	e(P)	06 47 48
MONT	eP	06 46 04
July 25		
BH	iP	08 51 08
	iS	51 43
July 25		
COL	iP	12 27 27
July 25		
BC	iP	11 33 58
	ipP	34 11
BOZ	eP	11 34 30
	iP	34 31
	ipP	34 43
	i	34 50
BUT	iP	11 34 35
	ipP	34 49
	i	35 01
	i	36 16
	ePP	37 40
	iSP	44 30
	eL	57 04
COLU	iP	11 32 23
HH	iP	11 34 47
	ipP	35 00
MONT	iP	11 23 00
Felt strongest at Antofagasta and Mejillones		
PHIL	e(P)	11 33 08
	ePP	35 18

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Date and Station		Phase (GCT) h m s
PHIL	e(S)	11 41 22
	eScS	41 46
	eL	57 30
SLC	iP	11 34 11
	ipP	34 23
	i	34 47
	e(PP)	37 18
	e	44 39
SJ	iP	11 30 15
	i(pP)	30 30
	ePP	31 57
	eS	36 26
	e	36 44
	e	36 32
	eL	39 36
	eScS	39 50
TUC	iP	11 33 27
	ipP	33 40
	e(S)	42 10
	eL	54 51
WASH	iP	11 32 44
July 25		
HH	e(P)	14 16 06
July 25		
HH	iP	17 51 49
SLC	e(P)	17 49 29
July 25		
BUT	e(P)	18 02 10
HH	e(P)	18 02 23
July 25		
BOZ	e(P)	19 13 08
HH	eP	19 07 26
SLC	eP	19 07 13
July 25		
COL	iP	20 30 36
July 26		
COL	iP	00 27 53
SJ	iP	00 34 25
July 26		
BC	iP	04 10 57
	i	11 12
BOZ	eP	04 10 14
BUT	eP	04 10 04
	i	10 13
	i	10 38
	eS	14 45
	iL	16 14
CHI	eP	04 12 31
	eS	18 54
	eScS	22 17

Date and Station		Phase (GCT) h m s
CHI	eL	04 24 48
COL	eP	04 06 28
	iP	06 29
	iS	08 23
	iL	08 51
COLU	eP	04 13 36
	iS	21 06
	eL	30 24
HONO	eS	04 16 56
	eL	19 26
HH	eP	04 09 45
	i	13 28
PHIL	eS	04 20 46
	eScS	23 12
	eSS	24 45
	eL	28 00
RC	eP	04 10 56
	ePPP	12 26
	eS	16 23
	eL	20 43
SLC	eP	04 10 42
SJ	eP	04 15 51
SIT	eP	04 06 42
	eS	08 27
	iL	08 37
TUC	eP	04 11 39
	iPcP	13 20
	iS	17 34
	eL	20 30
WASH	eP	04 13 31
	eL	30 15
July 26		
COL	e(P)	04 56 06
HH	e(P)	05 00 09
July 26		
BC	e(P)	05 29 06
	e	29 33
COL	iP	05 28 27
HH	eP	05 29 06
SJ	iP'	05 35 00
TUC	eP	05 28 58
July 26		
SLC	eP	07 34 39
July 26		
COLU	eP	09 46 13
July 26		
COL	iP	10 04 28

Date and Station		Phase (GCT) h m s
TUC	eL	10 30 26
July 26		
COL	iP	10 58 58
July 26		
HH	iP	11 38 25
July 26		
HH	eP	11 51 59
July 26		
COL	eP	12 50 59
July 26		
BC	e(P)	13 25 15
July 26		
MONT	eP	13 43 48
July 26		
HH	e(P)	20 10 17
July 27		
HH	i(P)	00 11 19
MONT	e(P)	00 05 50
	eP	06 01
	i	06 12
July 27		
BC	iP	01 33 29
	i	33 34
BOZ	eP	01 33 09
	i	33 41
BUT	eP	01 33 05
	i	33 32
	i	33 40
	eS	43 09
	i(ScS)	43 17
	eL	54 43
COL	iP	01 30 23
	iS	38 05
	e	39 07
	eL	45 06
HH	iP	01 32 52
	ePP	36 09
MONT	eP'	01 40 40
	e	41 04
	i	42 09
PHIL	eSKS	01 45 24
	eL	02 11 15
SLC	iP	01 33 23
TUC	eP	01 33 54
	e(PP)	38 04
	eL	02 09 21
July 27		
BC	eP	05 13 43
	i	13 48

Date and Station		Phase (GCT) h m s
BOZ	eP	05 14 22
COL	iP	05 14 13
HH	eP	05 14 19
TUC	iP	05 13 52
July 27		
HH	eP	05 20 50
July 27		
SJ	iP	08 27 16
July 27		
BC	eP	12 13 03
COL	eP	12 11 57
July 27		
HH	e(P)	15 18 55
July 27		
COL	eP	15 36 46
HH	e(P)	15 39 52
	e	40 08
July 27		
COL	iP	15 54 59
July 27		
BC	eP	18 25 41
	i	25 47
	i	26 18
	iPP	26 41
BOZ	eP	18 25 04
	i	25 13
	ePcP	27 39
	eS	29 37
	eL	32 01
BUT	eP	18 24 55
	iPP	25 27
	iPcP	27 10
	iS	29 35
	iL	30 49
CHI	eP	18 27 15
	ePP	28 59
	eS	33 43
	eL	36 55
	eScS	37 09
COL	iP	18 21 19
	eL	23 21
COLU	iP	18 28 27
	iS	35 52
	eL	44 35
HONO	e(P)	18 26 16
	ePP	27 22
	ePcP	28 24
	eS	31 54
	eL	34 18

T_L = 10 sec. $A_{max.}$ = 10mm.

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Date and Station		Phase (GCT)
		h m s
HH	iP	18 24 34
	i(PP)	25 14
	i	28 17
	eS	29 09
	eL	30 07
	e	57 48
PHIL	eP	18 28 15
	eS	35 35
	eScS	38 06
	eSS	39 29
	eL	40 57
RC	eP	18 25 51
	e(PP)	27 11
	iS	31 13
	eL	33 40
SLC	eP	18 25 29
	ePPP	26 42
	eS	30 40
	eL	33 20
SJ	eP	18 30 41
	ePP	33 41
	eS	40 10
	eL	48 32
SIT	eP	18 21 27
	eS	23 05
	iL	23 18
TUC	eP	18 26 29
	iPcP	28 05
	eS	32 22
	iS	32 24
	iL	35 28
UK	eP	18 24 46
	eS	29 25
	eL	30 06
WASH	iP	18 28 16
	eS	35 51
	eL	40 07
July 27		
HH	eP	21 23 10
TUC	iP	21 19 51
July 27		
BC	eP	21 54 29
HH	eP	21 53 35
July 28		
BC	eP	02 12 13
BOZ	eP	02 12 45
BUT	eP	02 12 49
	eL	25 24
COLU	eP	02 11 13
HH	iP	02 13 00
	ePP	17 17

Date and Station		Phase (GCT)
		h m s
MONT	iP	02 03 41
PHIL	eS	02 21 51
	eL	40 23
SLC	eP	02 12 27
SJ	eP	02 09 34
TUC	iP	02 11 49
	eL	38 40
July 28		
SJ	eP	02 20 05
	i	20 43
July 28		
COL	iP	03 17 53
July 28		
HH	eP	06 31 06
July 28		
HH	e(P)	08 12 49
July 28		
COL	eP	11 28 50
July 28		
HH	e(P)	11 40 43
	e	41 24
July 28		
HH	iP	11 55 10
July 28		
BC	iP	12 12 34
COL	iP	12 09 01
HH	iP	12 11 47
MONT	eP'	12 20 45
July 28		
COL	eP	13 38 09
July 28		
BOZ	eP	14 54 24
July 28		
COL	eP	15 27 21
July 28		
COL	eP	17 33 52
July 28		
BC	e(P)	23 54 43
July 29		
BC	e(P)	01 15 20
COL	iP	01 13 33
July 29		
COL	iP	02 43 38

Date and Station		Phase (GCT)
		h m s
July 29		
HONO	eP	04 11 10
	eS	11 21
	eL	11 27
Felt: Kaneohe area, Oahu		
July 29		
HH	e(P)	05 49 28
July 29		
COL	iP	07 59 17
July 29		
BC	eP	13 21 01
TUC	eP	13 20 05
July 29		
HH	e(P)	13 36 39
	e	37 07
	e	38 01
	eL	38 25
July 29		
HH	iP	17 43 14
	e(S)	43 34
	iL	43 38
July 29		
MONT	eP	18 09 16
July 29		
BC	eP	22 03 30
BOZ	e(P)	22 03 07
BUT	e(P)	22 02 15
COL	eP	21 59 20
	iP	59 25
HH	eP	22 02 32
SLC	eP	22 03 13
	i	03 26
TUC	eP	22 03 58
July 29		
BC	eP	23 07 37
July 30		
TUC	iP	04 48 24
July 30		
COL	iP	06 52 28
July 30		
COL	iP	07 02 22
July 30		
COL	iP	14 50 24
July 30		
BOZ	eP	15 30 35
HH	e(P)	15 30 19

Date and Station		Phase (GCT)
		h m s
July 30		
HH	eP	17 07 40
SLC	eP	17 06 43
July 30		
SJ	iP	19 08 14
July 31		
HH	eP	04 23 05
July 31		
BC	eP	05 47 20
	i	48 14
HH	e(P)	05 51 02
SLC	e(P)	05 47 44
July 31		
TUC	iP	10 33 19
July 31		
BOZ	eP	13 27 44
BUT	eP	13 27 48
HH	eP	13 27 12
July 31		
BOZ	eP	13 50 55
BUT	eP	13 50 57
HH	iP	13 50 53
SJ	eP	13 51 03

Local and Minor Earthquakes

day	hour
BOZ	
July	
3	02.0
BUT	
July	
2	00.9
8	17.9
	22.3
16	15.7
23	18.3
	22.0
24	00.6
25	13.0
	17.3
	21.3
COL	
July	
2	12.5
	13.1
	13.3
3	06.5
	16.1
	20.2
4	08.0
6	05.2
	11.1
7	10.3
11	02.0
	05.7
	06.8
12	00.9
	01.4
	15.0
	22.8
13	08.3
	06.8
14	01.7
16	22.2
	23.7
17	18.4
18	03.5
20	21.6
21	02.1
	12.0
22	11.7
	13.5
	16.5
26	02.7
	23.7
27	03.5
28	01.2
29	07.4
	18.4
30	05.2
HONO	
July	
15	02.7
	02.9
MONT	
July	
2	12.2
	23.4
3	18.9
4	02.1

Local and Minor Earthquakes

day	hour
MONT	
July	
4	08.8
5	03.0
	07.5
	19.3
	19.9
	21.7
6	04.6
9	04.5
11	18.0
12	14.5
	14.8
	22.8
13	11.7
14	16.0
15	00.8
16	02.2
	04.2
	11.2
18	18.1
	19.7
	20.6
19	02.8
	17.3
	23.6
20	04.3
21	15.7
22	02.2
	11.2
	21.7
23	01.0
	10.0
	10.4
26	00.3
	06.6
	21.3
27	10.8
29	13.4
	16.1
31	07.4
	10.0
SLC	
July	
26	09.1
29	16.6
SJ	
July	
14	03.3
18	12.2
19	01.2
21	02.7
23	20.4
TUC	
July	
4	12.7
5	18.8
	10.6
7	03.2
10	22.8
11	05.9
15	02.7
	03.2
	05.2
	11.0

Local and Minor Earthquakes

day	hour
TUC	
July	
15	11.5
16	11.7
19	11.5
22	12.5
23	01.2
24	00.7
	07.6
	12.6
26	11.5
28	11.6
31	05.8
	13.5
	18.9
	19.1

Local and Minor Earthquakes

day	hour

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