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SEISMOLOGICAL BULLETIN

April, May, June, 1947

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U. S. DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

U. S. COAST AND GEODETIC SURVEY—WASHINGTON

R. F. A. Studds, Director

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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
*Bermuda (BER)
Meteorological Station and International Union Geodesy and Geophysics
*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)
University of Alaska
*Columbia, S. C. (COLU)
University of South Carolina
*Grand Coulee, Wash. (CG)
Bureau of Reclamation
Honolulu, T. H. (HONO)
*Huancayo, Peru (HUAN)
Carnegie Institution of Washington
*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
**New Kensington, Pa. (NK)
Private station
*Overton, Nev. (OV)
Bureau of Reclamation and
National Park Service
**Philadelphia, Pa. (PHIL)
The Franklin Institute
*Pierce Ferry, Ariz. (PF)
National Park Service
*Rapid City, S. Dak. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
**Seattle, Wash. (SEA)
University of Washington
*Shasta, Calif. (SH)
Bureau of Reclamation
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitude Observatory

*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 indicates probable 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, Logan, and New Kensington 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; 508 Pershing Drive, New Kensington, Pennsylvania.

SEISMOGRAM INTERPRETATION

Date and Station		Phase (GCT) h m s
Apr. 1		
TUC	eP	01 53 05
Apr. 1		
TUC	eP	10 22 38
Apr. 1		
BC	iP	14 28 07
HUAN	eP	14 19 25
	eS	20 11
	eL	20 45
OV	iP	14 28 07
PF	iP	14 28 04
	eS	36 56
SH	iP	14 28 50
TUC	eP	14 27 33
Apr. 1		
TUC	eP	14 35 50
Apr. 1		
TUC	e(P)	19 30 18
Apr. 2		
GC	eP	00 56 21
	eS	56 53
Apr. 2		
OV	iP	02 06 18
PF	iP	02 06 14
SH	iP	02 06 57
TUC	i(P)	02 05 45
	e	06 21
Apr. 2		
TUC	eP	03 26 50
Apr. 2		
BER	eP'	05 58 49
	iP'	05 59 01

Date and Station		Phase (GCT) h m s
Apr. 2, cont.		
BER	ePP	06 01 56
	eSKKS	08 46
	iSKSP	12 05
	iPPS	14 25
	e	16 38
	eSS	20 20
	eL	38 50
T_L = 16 sec. $A_{max.}$ = 9.5mm.		
BC	eP	05 53 22
	i	53 30
	iPP	57 48
	e(SKS)	06 04 37
BOZ	ePP	05 57 43
	iSKS	06 04 08
	i(SKKS)	04 50
	iS	05 27
	iPS	07 00
	iPPS	07 52
	eSS	12 26
	i	13 08
	iSSS	16 52
	eL	23 08
BUT	e(PP)	05 57 49
	eS	06 04 59
	e(SS)	12 54
	eL	22 18
CHI	ePP	05 59 40
	eSKS	06 05 04
	eSKKS	06 41
	ePS	09 53
	eSS	15 47
	e(SSS)	21 10
	eL	27 54
COL	eP	05 51 46
	ePP	55 11
	iS	06 02 11
	ePS	03 07
	eSS	08 02
	eSSS	11 28
	eL	14 50

Date and Station		Phase (GCT) h m s
Apr. 2, cont.		
COLU	ePP	06 00 43
	ePKS	02 00
	e(SKKS)	07 42
	eSKSP	10 38
	ePPS	12 41
	e	14 04
	eSS	18 12
	ePSPS	18 59
	e	20 38
	eL	34 04
GC	eP	05 53 03
	ePP	57 04
HONO	eP	05 49 58
	i(S)	59 32
	eL	06 08 38
T_S = 19 sec. A = 8mm.		
T_L = 20 sec. $A_{max.}$ = 15mm.		
HUAN	iP'	05 58 43
	i	58 53
	ePP	06 02 00
	i(PKS)	04 00
	e(SKS)	06 38
	iSKKS	08 50
	e	09 17
	iSS	21 09
	e(SSS)	26 39
	eL	38 17
LIN	eP	05 54 21
	ePP	59 14
	eSKKS	06 06 08
	ePS	08 55
	eSS	15 14
	eSSS	19 45
	eL	31 34
LOG	e	05 57 05
	ePP	58 02
	e	59 06
	iSKS	06 04 10
	e	04 49
	eS	05 24
	ePS	06 16

Date and Station		Phase (GCT) h m s
Apr. 2, cont.		
LOG	e	06 07 04
	ePPS	07 56
	e(SS)	11 46
	e	13 02
	eL	22 58
NK	ePP	06 00 10
	i(SKKS)	07 17
	e(PPS)	11 44
	eL	35 36
OV	iP	05 53 28
	i	55 37
	e(PP)	57 17
	ePKKP	06 09 09
	eP'P'	17 00
PHIL	eP'	05 58 39
	ePP	06 00 38
	iPKS	01 57
	iPPP	03 01
	eSKKS	07 34
	iSKKS	07 40
	eSKSP	10 53
	ePS	11 12
	eSS	18 02
	eSSS	23 05
	eL	37 31
PF	eP	05 53 27
	e	56 29
	ePP	57 25
	e(S)	06 05 05
	e(PKKP)	08 57
	eP'P'	17 03
SLC	e(PP)	05 57 25
	ePP	58 22
	eSKS	06 04 27
	i(PS)	07 27
	e	08 16
	eSS	13 11
	eSSS	17 06
	eL	22 18
SJ	eP'	05 59 05
	e	06 00 50
	iPP	02 59
	ePKS	03 59

Date and Station		Phase (GCT) h m s
Apr. 2, cont.		
SJ	eSKKS	06 09 34
	e	13 01
	ePPS	16 00
	eSS	22 02
	eSSS	28 01
	eL	41 52
SH	eP	05 52 51
	eSKS	06 03 32
SIT	eP	05 52 09
	ePP	55 38
	e(PPP)	58 05
	iS	06 02 43
	iSS	08 42
	iSSS	12 42
	eL	15 22
TUC	e(P)	05 53 46
	ePP	58 06
	eSKS	06 04 17
	e(SKKS)	05 18
	iPS	07 23
	i(PPS)	08 37
	eSS	13 39
	iSSS	17 16
	eL	23 17
Apr. 2		
OV	i(P)	11 53 56
Apr. 2		
TUC	iP	14 54 24
Apr. 2		
BC	iP	15 16 31
	i	16 34
	i	16 40
	iS	17 16
	iL	17 25
OV	eP	15 16 39
	i	16 50
	i	16 54
	eS	17 24
	eL	17 38

Date and Station		Phase (GCT) h m s
Apr. 2, cont.		
PF	iP	15 16 36
	i	16 51
	i(S)	17 36
TUC	iP	15 16 44
	i	16 53
	i	16 58
	eS	17 39
	iS	17 40
	iL	17 55
Apr. 2		
BER	eL	21 46 17
BC	eP'	21 02 47
BUT	eS	21 09 40
	eL	34 46
CHI	eL	21 40 06
COL	eS	21 05 01
	e(SS)	10 17
	eL	16 30
COLU	eL	21 55 28
GC	eP	20 58 05
HONO	eL	21 49 56
PHIL	eL	21 39 16
PF	iP'	21 02 56
SLC	e(SKS)	21 09 42
	e(S)	10 41
	eL	35 08
SJ	eL	21 54 37
SH	eP	20 58 14
SIT	e(P)	20 57 10
	e	21 02 49
	e(S)	07 04
	eScS	07 38
	e	18 28

Date and Station		Phase (GCT) h m s
Apr. 2, cont.		
TUC	ePP	21 03 29
	e	05 09
	eL	33 40
Apr. 2		
SH	eP	21 32 55
Apr. 3		
TUC	eP	00 12 20
Apr. 3		
HUAN	iP	02 57 48
	iL	58 00
Apr. 3		
TUC	e(P)	16 36 02
Apr. 3		
HUAN	eL	20 51 15
Apr. 4		
BH	e	00 31 48
	e	32 52
Apr. 4		
GC	e(P)	01 20 32
	i	20 45
SH	eP	01 20 44
Apr. 5		
TUC	i(P)	06 36 30
Apr. 5		
OV	iP	07 31 04
Apr. 5		
BC	eP	09 32 20
	eS	33 43
OV	iP	09 32 28
PF	iP	09 32 22
	i	32 27
	i	33 20
	e	33 35

Date and Station		Phase (GCT) h m s
Apr. 5, cont.		
TUC	i(P)	09 32 02
	i	32 11
	e	32 36
	eL	32 51
Apr. 5		
OV	iP	14 35 10
PF	iP	14 35 12
SH	eP	14 34 28
Apr. 5		
SH	eP	23 07 39
TUC	eP	23 09 15
Apr. 6		
TUC	eP	03 42 21
Apr. 6		
BC	iP	08 12 07
	i	12 27
	eL	13 26
OV	iP	08 12 15
PF	iP	08 12 10
	i	12 21
	i	12 24
	iS	13 07
	eL	13 18
SH	eL	08 16 23
TUC	eP	08 12 00
	i	12 07
	i	12 18
	eS	12 46
	iL	13 13
Apr. 6		
BC	eP	12 15 47
	eS	16 20
OV	eP	12 15 57
	iS	16 35

Date and Station		Phase (GCT) h m s
Apr. 6, cont.		
PF	iP	12 15 47
	i	15 59
	i	16 30
TUC	e(P)	12 16 25
Apr. 7		
SH	eP	02 09 36
Apr. 7		
BC	eS	21 03 58
PF	iP	21 02 41
	i	02 44
	i	02 51
	eS	03 53
Apr. 8		
PF	eP	03 48 43
TUC	eP	03 47 59
Apr. 8		
SH	iP	22 09 04
Apr. 9		
BC	eP	08 22 28
Apr. 9		
SH	iP	19 02 53
Apr. 9		
PF	iP	22 38 49
	i	39 00
	eS	39 20
	i	39 22
Apr. 9		
SH	eP	23 35 36
TUC	iP	23 34 27
Apr. 10		
SH	e(P)	02 11 03
Apr. 10		
SH	iP	04 40 22

Date and Station		Phase (GCT) h m s
Apr. 10, cont.		
TUC	i(P)	04 41 33
Apr. 10		
BC	iP	15 58 22
OV	iP	15 58 26
PF	iP	15 58 26
SH	iP	15 58 15
Apr. 10		
BER	eP	16 06 10
	ePP	07 44
	eS	12 28
	eL	15 29
T_S = 14 sec. A = 2.5 mm.		
T_L = 19 sec. $A_{max.}$ = 6.5mm.		
BC	i(P)	15 58 34
BOZ	iP	16 00 57
	i	02 26
	iL	03 19
BUT	iP	16 00 51
	i	01 49
	eS	02 46
	eL	03 02
CHI	iP	16 03 17
	e(PP)	03 57
	e	04 12
	eS	07 20
	iS	07 34
	eL	09 04
COL	eP	16 05 06
	eS	10 34
	eL	13 30
COIU	e(S)	16 09 06
	eL	10 27
GC	eP	16 01 15

Date and Station		Phase (GCT) h m s
Apr. 10, cont.		
HONO	e(S)	16 11 59
	eL	14 21
T_L = 12 sec. $A_{max.}$=8 mm.		
HUAN	iP	16 08 25
	eS	16 34
	i(SS)	21 10
	eL	26 01
LINC	iP	16 01 52
	i	03 18
	i(S)	05 19
	iL	06 42
NK	e	16 04 10
	eS	09 03
	iL	13 16
PHIL	eP	16 04 43
	e	04 54
	iPP	05 52
	ePPP	06 06
	eS	10 02
	iS	10 04
	eL	11 54
PF	iP	15 58 44
RC	iP	16 01 21
	i	02 22
	i	03 10
	iS	03 50
SIC	i(P)	16 00 08
	iS	00 32
	iL	01 28
SJ	eP	16 06 46
	ePP	08 39
	e(PPP)	09 14
	eS	13 30
	eL	17 36
SH	eP	15 59 55
	iP	59 56
	i	16 00 25
	i(S)	01 26
	eL	01 58

Date and Station		Phase (GCT) h m s
Apr. 10, cont.		
SJT	iP	16 03 36
	i(S)	08 10
	iL	10 06
TUC	iP	15 59 26
	i	59 50
	i	16 00 06
	iS	00 28
	iL	01 02
Apr. 10		
BC	iP	17 08 33
PF	iP	17 08 43
Apr. 10		
BC	iP	17 12 45
Apr. 10		
TUC	eP	17 19 44
	i	20 08
	i	21 07
Apr. 10		
PF	iP	18 28 37
TUC	eP	18 29 42
	eL	30 57
Apr. 10		
PF	iP	22 28 02
TUC	eP	22 28 43
	i	29 14
	i	30 10
	i	30 19
Apr. 11		
TUC	eP	00 21 43
Apr. 11		
BC	iP	02 07 41.2
PF	iP	02 07 50
TUC	eP	02 08 32
	iS	08 55
	iL	10 05

Date and Station		Phase (GCT) h m s
Apr. 11, cont.		
PF	iP	02 14 01
SH	iP	02 13 19
TUC	eP	02 14 23
Apr. 11		
BC	iP	02 48 26
Apr. 11		
BC	iP	03 32 40
OV	iP	03 32 48
TUC	eP	03 33 30
	i	33 55
	e	34 22
	i	35 04
Apr. 11		
BC	iP	03 56 33
Apr. 11		
BC	iP	04 51 33
Apr. 11		
SH	iP	07 14 44
Apr. 11		
BC	iP	07 47 38
GC	eL	07 54 10
OV	iP	07 47 46
PF	iP	07 47 47
SLC	e(P)	07 49 38
	eL	51 06
SH	eP	07 49 04
	iL	50 54
	i	51 02
TUC	iP	07 48 29
	e	48 42
	i	48 57
	e(S)	49 13
	i	49 44
	eL	49 51

Date and Station		Phase (GCT) h m s
Apr. 11, cont.		
BC	iP	10 44 47
Apr. 11		
BC	iP	11 09 04
OV	iP	11 09 13
TUC	eP	11 09 55
	e	10 23
	i	11 29
Apr. 11		
BC	iP	11 53 47
PF	iP	11 53 54
Apr. 11		
BC	iP	13 53 30
Apr. 11		
BC	i(P)	14 42 51
BOZ	eL	15 20 18
COL	eS	14 50 16
	eL	15 06 25
HUAN	eL	15 47 08
PHIL	eL	15 29 00
SH	iP	14 42 56
TUC	ePP	14 48 26
	eL	15 21 33
Apr. 11		
BC	iP	15 42 49
Apr. 11		
BER	e(S)	18 05 32
	eL	19 40
Apr. 11		
BC	iP	18 44 10
	i	44 13
Apr. 11		
BC	iP	19 32 37

Date and Station		Phase (GCT) h m s
Apr. 11, cont.		
BC	iP	19 43 26
PF	iP	19 43 32
	i	43 38
	i	44 46
	i	45 01
	i	45 09
Apr. 11		
BC	iP	21 36 06
Apr. 11		
BC	iP	22 32 36
PF	iP	22 32 42
Apr. 11		
BC	iP	23 37 31
Apr. 12		
BC	iP	22 32 05
	iS	32 48
Apr. 12		
SH	e(P)	23 09 11
Apr. 12		
SH	eP	23 50 47
	eS	51 10
	eL	52 41
TUC	eP	23 50 13
	i	50 35
	eS	51 35
	eL	51 48
Apr. 13		
SH	iP	02 27 30
TUC	eP	02 28 36
Apr. 13		
BC	iP	03 58 46
GC	e(P)	03 59 43
HUAN	iP	03 51 06
	eS	54 25
	iL	54 54

Date and Station		Phase (GCT) h m s
Apr. 13, cont.		
MONT	e	03 50 13
	eL	50 36
OV	iP	03 58 45
SJ	e(P)	03 55 44
	eS	04 02 27
	eL	05 20
SH	iP	03 59 23
TUC	iP	03 58 16
Apr. 13		
PF	iP	13 31 48
SH	e(P)	13 31 33
TUC	iP	13 31 50
Apr. 13		
BC	iP	17 44 21
GC	eP	17 43 25
OV	iP	17 44 20
PF	iP	17 44 23
	i	47 23
SH	iP	17 43 38
TUC	iP	17 44 46
	e	45 09
Apr. 13		
BC	eP	18 03 13
	eS	03 51
PF	iP	18 03 20
Apr. 13		
PF	iP	22 19 07
	i	19 13
	iS	19 46
Apr. 14		
BER	e	03 26 20
	e	33 18
	eL	04 03 19

Date and Station		Phase (GCT) h m s
Apr. 14, cont.		
HUAN	e	03 19 55
	e	35 56
	eL	45 35
PHIL	eL	04 13 57
SJ	eL	04 06 07
Apr. 14		
BC	iP	06 50 50
PF	iP	06 50 39
SH	e(P)	06 49 31
Apr. 14		
BER	eP	07 29 05
	ePP	33 18
	iS	40 40
	ePS	42 01
	e(PPS)	43 12
	eSS	47 31
	eSSS	51 19
	eL	56 10
T_S = 11 sec. A = 1.5 sec.		
T_L = 20 sec. $A_{max.}$ = 8.0mm.		
BC	iP	07 26 46
	eS	36 00
BOZ	eP	07 26 22
	ePP	29 02
	iS	35 09
	e(SS)	39 15
	eL	42 48
BUT	e(P)	07 26 25
	ePP	29 02
	eS	35 00
	eSS	39 08
	eL	41 50
CHI	eP	07 27 45
	e(PP)	31 10
	e(PPP)	33 01
	eS	37 53
	eSS	43 08
	eL	48 09

Date and Station		Phase (GCT) h m s
Apr. 14, cont.		
COL	eP	07 23 14
	e	24 09
	eS	29 12
	eL	31 52
COLU	eP	07 28 29
	ePP	32 17
	eS	39 23
	e(PS)	40 39
	e(SS)	45 50
	eSSS	49 01
	eL	52 29
GC	eP	07 25 44
HONO	eP	07 24 53
	iS	31 36
	iScS	34 27
	eSS	35 46
	eL	38 02
T_S = 19 sec. A = 6mm.		
T_L = 21 sec. $A_{max.}$ = 15mm.		
LIN	eS	07 37 13
	eSS	42 29
	eSSS	45 36
	eL	47 08
HUAN	e(PP)	07 37 42
	ePKS	38 28
	eSKSP	47 25
	eSS	54 36
	eL	08 10 09
OV	iP	07 26 46
	eP'P'	54 42
PHIL	e(P)	07 28 28
	i	28 42
	ePP	31 42
	eS	38 50
	iS	38 57
	eSS	44 34
	eSSS	48 11
	eL	54 15
PF	iP	07 26 50
	eS	36 02

Date and Station		Phase (GCT) h m s
Apr. 14, cont.		
RC	eP	07 26 54
	e(PP)	30 05
	e(PPP)	31 50
	iS	36 08
	eSS	40 38
	eL	44 34
SLC	e(P)	07 27 03
	e	30 24
	e(S)	36 02
	iScS	37 09
	e(SS)	39 59
	eL	43 28
SJ	ePP	07 34 44
	eS	42 23
	e(PS)	44 25
	eSS	50 04
	eSSS	54 22
	eL	08 00 52
SH	iP	07 25 59
	i	26 14
	i	26 28
	eS	34 23
	eP'P'	55 00
SIT	eP	07 24 05
	i(PPP)	27 20
	iS	31 08
	iSS	34 21
	eL	36 21
TUC	iP	07 27 16
	iPP	30 15
	ePPP	32 09
	i	35 14
	eS	37 05
	eScS	37 54
	iSS	42 04
	eSSS	45 22
	eL	46 47
Apr. 14		
OV	iP	07 52 09
PF	iP	07 52 13

Date and Station		Phase (GCT) h m s
Apr. 14, cont.		
OV	eP	08 51 51
SH	e(P)	08 51 04
Apr. 14		
PF	iP	10 30 37
Apr. 14		
PF	iP	13 30 25
Apr. 14		
PF	e(P)	16 37 19
SH	e(P)	16 36 56
Apr. 15		
BC	eP	02 36 22
	eS	37 03
PF	eP	02 36 20
	eS	37 15
Apr. 15		
PF	iP	03 57 47
Apr. 15		
OV	eP	13 08 29
PF	iP	13 08 24
TUC	eP	13 07 26
	i	07 31
Apr. 15		
BC	eP	16 54 40
SH	iP	16 53 54
TUC	eP	16 55 08
	e	55 50
Apr. 15		
GC	iP	22 38 52
PF	iP	22 40 08
SH	eP	22 38 17
TUC	eP	22 41 08
	e	44 45

Date and Station		Phase (GCT) h m s
Apr. 16		
BC	iP	06 52 31
	ipP	52 44
OV	iP	06 52 30
	ipP	52 42
PF	iP	06 52 34
	ipP	52 46
SH	eP	06 51 42
TUC	eP	06 53 01
	i	53 12
Apr. 16		
BC	iP	10 59 53
GC	iP	11 00 12
OV	iP	10 59 55
PF	iP	10 59 56
SH	iP	10 59 41
TUC	iP	10 59 58
	e	11 00 16
	e	00 46
	e	02 15
Apr. 17		
PF	iP	00 30 55
	i	31 01
Apr. 17		
TUC	e(P)	05 53 12
Apr. 17		
SH	e(P)	07 35 37
Apr. 17		
SH	iP	16 44 18
TUC	iP	16 44 38
Apr. 17		
PF	iP	21 11 51

Date and Station		Phase (GCT) h m s
Apr. 18		
TUC	e(P)	01 57 22
	e	58 29
	e	59 06
Apr. 18		
SH	iP	06 51 05
Apr. 18		
HUAN	eL	09 12 17
Apr. 18		
BC	eP	11 08 27
TUC	e(P)	11 05 12
	i	05 30
Apr. 18		
TUC	i(P)	11 05 56
	i	06 23
	e	06 57
Apr. 18		
PF	iP	12 53 38
SH	eP	12 53 23
TUC	iP	12 53 40
Apr. 18		
BC	eP	14 38 01
SH	eP	14 37 47
TUC	eP	14 38 09
Apr. 19		
PF	iP	01 10 03
Apr. 19		
BC	iP	02 29 38
	i	29 42
	eS	30 08
PF	iP	02 29 48
SH	e(P)	02 31 06
TUC	iP	02 30 29

Date and Station		Phase (GCT) h m s
Apr. 19, cont.		
TUC	i	02 30 33
	i	30 56
	i	31 54
Apr. 19		
TUC	i(P)	05 20 00
	i	20 31
	i	21 30
Apr. 19		
SH	eP	10 42 11
	iP	42 14
TUC	iP	10 42 27
Apr. 19		
PF	iP	17 11 05
TUC	eP	17 11 32
Apr. 20		
PF	iP	05 08 12
	ipP	08 46
SH	iP	05 08 50
TUC	eP	05 07 46
	e	08 20
Apr. 20		
PF	iP	06 53 56
SH	iP	06 53 41
TUC	i(P)	06 53 59
Apr. 20		
PF	iP	17 42 38
	i	42 44
	i	42 50
	i	42 54
	i	43 07
	iS	43 15
Apr. 21		
BC	eP	06 09 50
Apr. 21		
SH	eP	10 06 45

Date and Station		Phase (GCT) h m s
Apr. 21, cont.		
BER	eL	19 31 42
OV	iP	19 16 08
SH	e(P)	19 17 27
	eP	17 43
TUC	i(P)	19 16 49
	i	17 16
	i	18 06
Apr. 22		
PF	iP	03 47 24
	i	47 30
	i	47 38
	iS	48 02
Apr. 22		
BC	iP	04 35 12
Apr. 22		
GC	eP	04 46 29
	e	49 41
	i	49 42
Apr. 22		
PF	iP	04 58 44
	e	05 00 18
TUC	eP	04 58 10
	i	58 30
	i	59 09
	i	59 25
Apr. 22		
BC	iP	09 13 46
OV	iP	09 13 51
PF	iP	09 13 51
Apr. 22		
BC	eP	09 30 38
Apr. 22		
PF	iP	11 35 47
	i	35 53
	i	36 03
	eS	36 24

Date and Station		Phase (GCT) h m s
Apr. 22, cont.		
BER	eL	23 32 43
Apr. 23		
TUC	eP	02 40 39
	eL	51 05
Apr. 23		
BER	eL	04 52 12
PHIL	eL	05 01 04
SJ	eP	04 49 43
	iL	50 19
SH	iP	04 57 40
TUC	eP	04 56 18
Apr. 23		
TUC	i(P)	17 33 44
Apr. 24		
SH	iP	01 08 17
Apr. 24		
BOZ	eL	04 52 50
BUT	e(S)	04 51 04
	iL	51 28
CHI	eL	05 00 39
COL	eL	04 50 30
COLU	eL	05 05 53
LOG	eL	04 54 07
PHIL	eL	05 04 52
RC	e(P)	04 48 46
	eL	55 33
SLC	e(S)	04 52 20
	eL	55 12
SH	eP	04 47 30

Date and Station		Phase (GCT) h m s
Apr. 24, cont.		
SIT	iP	04 44 19
	i	44 35
	iL	44 49
TUC	e(PP)	04 49 29
	eL	05 00 35
Apr. 24		
SH	iP	16 45 41
Apr. 24		
BH	eP	19 42 55
BER	iP	19 41 58
	i(PP)	43 10
	iS	47 28
	iL	49 21
T_S=8 sec. A=3.5mm.		
T_L=12 sec. $A_{max.}$=24mm.		
BC	iP	19 46 52
	e(S)	56 59
BOZ	eP	19 46 40
	ePP	49 17
	ePPP	51 22
	iS	56 00
	eSS	20 00 40
	eL	04 22
BUT	e(P)	19 46 54
	eS	56 15
	eSS	20 01 00
	eL	07 48
CHI	iP	19 44 43
	e(PP)	47 38
	eS	52 22
	e(SS)	55 55
	eL	56 56
COL	ePP	19 51 54
	eS	59 20
	eSS	20 05 13
	eL	12 11

Date and Station		Phase (GCT) h m s
Apr. 24, cont.		
COLU	eP	19 43 44
	ePP	45 33
	eS	50 34
	eL	53 52
GC	eP	19 47 09
HUAN	iP	19 43 00
	iPP	44 43
	iPPP	45 13
	iS	49 22
	iL	52 04
LIN	eP	19 45 24
	eS	53 42
	eL	20 04 21
LOG	iP	19 46 37
	i	47 10
	i	48 55
	iPP	49 29
	e(PPP)	51 44
	eS	55 57
	eSS	20 00 45
	eL	09 33
NK	iP	19 44 02
	ePP	45 50
	iS	51 06
	e(ScS)	54 11
	eL	58 57
OV	eP	19 46 49
PHIL	iP	19 43 34
	iPP	45 15
	i	45 51
	iS	50 14
	eScS	53 25
	eL	55 37
RC	iP	19 46 02
	eS	54 45
	eScS	55 49
	e(SS)	59 01
	eL	20 01 45

Date and Station		Phase (GCT) h m s
Apr. 24, cont.		
SLC	e(P)	19 47 01
	e(PPP)	51 23
	i(S)	56 22
	eSS	20 00 46
	eL	07 39
SJ	iP	19 41 11
	i(PP)	41 52
	iS	46 00
	iL	47 00
SH	eP	19 47 21
SIT	i(P)	19 48 00
	iPP	51 25
	iS	58 33
	eSS	20 04 14
	eL	10 42
UK	e(P)	19 47 33
	e	51 54
	eS	57 36
	e	58 24
	e(SS)	20 02 08
	eSSS	06 29
	eL	08 39
TUC	eP	19 46 29
	iPP	49 12
	iPPP	50 44
	i	52 00
	eS	55 45
	eScS	56 36
	eSS	20 00 21
	e	02 08
	eL	03 48
Apr. 25		
TUC	i(P)	03 09 21
Apr. 25		
BER	eL	04 03 45
Apr. 25		
BER	eL	05 13 08
Apr. 25		
SH	iP	09 58 38

Date and Station		Phase (GCT) h m s
Apr. 25, cont.		
OV	eP	09 58 49
TUC	eP	09 58 51
Apr. 25		
BH	e	17 16 04
	e	16 40
Apr. 25		
SH	e(P)	21 30 01
	i(P)	30 02
Apr. 26		
BC	iP	08 11 45
GC	i(P)	08 12 03
OV	iP	08 11 49
PF	iP	08 11 48
SH	iP	08 11 32
TUC	iP	08 11 52
Apr. 26		
OV	iP	10 38 57
Apr. 26		
PF	iP	11 39 46
	e	46 15
TUC	eP	11 38 56
	e	43 54
Apr. 26		
BC	e(P)	13 03 08
Apr. 26	eP	13 24 28
BC	e	31 18
BOZ	eL	13 35 26
BUT	eL	13 35 32
COL	eL	13 50 54
OV	iP	13 24 31
	e	31 23

Date and Station		Phase (GCT) h m s
Apr. 26, cont.		
PF	iP	13 24 24
	e	30 51
SLC	e	13 32 14
	eL	35 24
SIT	eL	13 45 13
RC	i(S)	13 33 48
	e	36 16
TUC	eP	13 23 32
	eS	26 56
	eL	28 09
Apr. 26		
SH	eP	17 39 06
Apr. 26		
SH	e(P)	17 42 17
Apr. 27		
SH	e(P)	07 51 05
	iP	51 07
Apr. 27		
BC	e(P)	08 06 14
BOZ	eL	08 10 10
BUT	e(S)	08 08 18
	eL	10 00
CHI	eL	08 18 14
COL	eL	08 06 21
COLU	eL	08 23 10
GC	eP	08 03 56
	e(S)	07 18
	i	07 25
LIN	eL	08 16 23
LOG	e(P)	08 05 38
	iPP	06 05
	eS	09 39
	eL	11 45

Date and Station		Phase (GCT) h m s
Apr. 27, cont.		
OV	eP	08 06 10
PHIL	eL	08 22 19
PF	eP	08 06 14
RC	eP	08 06 14
	iL	13 18
SLC	eL	08 10 11
SH	eP	08 04 58
SIT	iP	08 01 26
	iL	01 42
TUC	eP	08 06 58
	eL	15 40
UK	eP	08 05 05
	e(S)	08 44
	eL	11 18
Apr. 27		
TUC	iP	11 08 49
	i(S)	10 23
	eL	10 34
Apr. 27		
BC	e(P)	11 14 27
BOZ	eL	11 18 47
BUT	eL	11 17 56
CHI	eL	11 26 38
COL	eL	11 14 46
GC	iL	11 15 38
LOG	eL	11 20 13
PHIL	eL	11 30 43
PF	eP	11 14 22
RC	e(P)	11 14 23
	eL	21 22

Date and Station		Phase (GCT) h m s
Apr. 27, cont.		
SH	eP	11 13 06
SIT	iP	11 09 34
	iL	09 54
TUC	eP	11 15 02
Apr. 27		
BER	eL	12 28 20
BC	iP	12 34 02
OV	iP	12 34 05
	ipP	34 18
PF	iP	12 34 05
SH	iP	12 33 43
TUC	eP	12 34 12
Apr. 27		
OV	iP	21 01 36
	i	01 42
PF	iP	21 01 36
	i	01 42
	i	01 49
	i	02 02
	iS	02 15
Apr. 27		
BC	eP	22 24 12
OV	eP	22 24 04
PF	eP	22 24 09
TUC	eP	22 24 46
Apr. 28		
BC	iP	13 50 36
BOZ	eL	14 04 46
BUT	eL	14 04 20
CHI	eL	14 04 29

Date and Station		Phase (GCT) h m s
Apr. 28, cont.		
GC	iP	13 49 11
OV	iP	13 50 32
	e	14 09 58
PHIL	eL	14 10 06
PF	iP	13 50 34
RC	e(P)	13 49 24
	iL	14 05 07
SLC	eL	14 07 27
TUC	iP	13 50 58
	i	51 03
	e	51 48
Apr. 28		
GC	e(P)	14 03 38
Apr. 29		
BC	eP	05 47 21
OV	eP	05 47 20
PF	eP	05 47 19
	iP	47 28
SH	eP	05 46 40
	iP	46 45
Apr. 29		
BC	e(P)	07 46 11
	e	47 12
	e	48 04
OV	e(P)	07 45 59
	i	46 22
PF	e(P)	07 46 03
	i	46 23
	i	48 06
SH	eP	07 47 38
Apr. 29		
BC	iP	07 52 01

Date and Station		Phase (GCT) h m s
Apr. 29, cont.		
GC	iP	07 52 26
OV	iP	07 52 05
PF	iP	07 52 05
SH	iP	07 51 49
TUC	iP	07 52 06
	i	52 23
	e	52 39
Apr. 29		
BC	iP	08 09 55
BUT	eL	08 23 47
GC	eL	08 23 38
OV	iP	08 09 51
PF	iP	08 09 53
RC	e(P)	08 08 44
	eL	24 29
SH	eP	08 09 27
TUC	eP	08 10 15
	iP	10 17
	eL	18 46
Apr. 29		
BC	iP	09 26 03
GC	e(P)	09 26 25
	i(P)	26 27
OV	iP	09 26 06
PF	iP	09 26 06
SH	iP	09 25 51
TUC	iP	09 26 08
	ipP	26 27
	eL	51 40

Date and Station		Phase (GCT) h m s
Apr. 29, cont.		
OV	iP	11 09 12
Apr. 29		
SH	eP	18 17 54
	i	18 30
	i	18 31
Apr. 29		
SH	eP	19 38 43
TUC	iP	19 39 00
Apr. 30		
CHI	eL	03 36 01
Apr. 30		
BER	e(P)	04 59 25
	e(S)	05 07 16
	eScS	09 17
	eL	17 30
BC	eP	04 55 41
BOZ	i(S)	04 58 48
	eL	05 01 08
BUT	e(P)	04 54 28
	eL	59 25
CHI	eL	05 07 44
COL	eP	04 51 35
	eS	52 33
	eL	53 20
COLU	eL	05 12 47
GC	eP	04 53 39
	eL	58 08
HONO	eL	05 08 11
LIN	eL	05 06 38
LOG	eP	04 55 06
	e	56 20
	eL	05 02 24

Date and Station		Phase (GCT) h m s
Apr. 30, cont.		
OV	iP	04 55 37
PHIL	eL	05 09 17
PF	iP	04 55 42
	eL	05 04 40
RC	eP	04 55 28
	e	57 16
	eL	05 03 38
SLC	eP	04 55 38
	eS	05 00 12
	eL	02 46
SJ	eL	05 22 08
SH	eP	04 54 35
STT	iP	04 50 33
	iS	50 50
	iL	05 00 02
TUC	iP	04 56 23
	e	56 47
	e	59 07
	eL	05 06 16
UK	e(P)	04 55 08
	eS	59 03
	eL	59 52
Apr. 30		
SH	e(P)	07 59 12
Apr. 30		
SH	e(P)	13 25 41
	e	26 22
Apr. 30		
BC	iP	14 13 05
HUAN	eL	14 18 45
PF	iP	14 13 05
SH	e(P)	14 13 38

Date and Station		Phase (GCT) h m s
Apr. 30, cont.		
PF	e(P)	17 25 36
Apr. 30		
BC	iP	23 56 01
	e	00 00 59
	iS	05 46
PF	iP	23 56 05
	i	57 02
	iS	00 05 53
SH	iP	23 55 50
	e	56 46
TUC	iP	23 56 07
	i	56 34
	e	57 04
	e	58 26
May 1		
BER	e	01 40 10
	eL	44 00
May 1		
BUT	eP	01 52 27
	e	54 03
May 1		
MONT	e	14 18 39
	eL	19 20
May 2		
OV	eP	00 52 22
PF	iP	00 52 19
SJ	eL	01 44 04
SH	eP	00 53 23
May 2		
SH	e(P)	00 59 04
May 2		
BC	iP	01 36 45
COLU	eL	01 40 04

Date and Station		Phase (GCT) h m s
May 2, cont.		
GC	e(P)	01 38 24
OV	eP	01 36 46
PF	iP	01 36 41
	e	45 45
	e	46 00
TUC	eP	01 35 59
	i	36 35
	eS	40 15
	eL	41 39
May 2		
BER	eP	02 30 06
	iS	39 10
	i	39 32
	eSS	43 40
	eL	47 18
BC	iP	02 26 21
BOZ	e(P)	02 26 13
	eS	31 12
	eL	33 47
BUT	e(P)	02 26 22
	e(pP)	27 24
	eS	31 16
CHI	eS	02 35 03
	e	35 24
	eSS	38 42
	eL	39 41
COL	eP	02 22 22
	e	22 33
	eS	24 57
	eL	25 11
COLU	ePPP	02 33 07
	e	35 32
	eS	37 03
	eL	44 13
GC	e(P)	02 24 58
	iP	25 08
	eS	29 45
	e	31 44

Date and Station		Phase (GCT) h m s
May 2, cont.		
HONO	eL	02 32 30
T_L = 9 sec. $A_{max.}$ = 4.5 sec.		
OV	iP	02 26 20
	eS	32 09
PHIL	e	02 31 52
	eS	36 53
	e	40 37
	eL	43 10
PF	iP	02 26 24
	iS	32 07
SLC	eP	02 26 24
	e	30 00
	eS	31 54
	e	32 14
	eL	34 45
SJ	e(P)	02 31 36
	e(PP)	34 55
	ePPP	36 34
	eS	41 07
	e	42 30
	eL	50 41
SEA	eP	02 24 56
	eS	29 00
SH	eP	02 25 16
	iP	25 17
	iPcP	28 11
	i	31 51
SIT	eP	02 22 52
	i	23 12
	iS	26 06
	i	26 24
	eL	26 32
TUC	eP	02 27 02
	iP	27 14
	iPcP	28 22
	ePP	28 36
	i	28 51
	e	30 52
	eScP	32 38
	eS	33 30
	eL	36 40

Date and Station		Phase (GCT) h m s
May 2, cont.		
UK	e(S)	02 29 28
	eL	31 35
May 2		
BC	iP	08 35 16
COL	eP	08 31 09
	e	34 42
	e	35 22
OV	iP	08 35 15
	i	40 10
PF	iP	08 35 19
SH	eP	08 34 10
	i	34 12
TUC	eP	08 35 57
	ePcP	37 47
May 2		
BC	eP	13 25 36
BOZ	eL	13 36 10
BUT	eL	13 35 12
OV	eP	13 25 38
	eS	31 50
PF	iP	13 25 32
	eS	31 42
SLC	eL	13 33 33
TUC	eP	13 24 37
	i	24 52
	e(S)	28 30
	eL	29 06
May 2		
TUC	e(P)	14 54 30
May 2		
BER	eL	18 29 48
SJ	eP	18 24 38
	iS	24 56
	iL	25 04

Date and Station		Phase (GCT) h m s
May 3		
OV	iP	01 06 03
PF	iP	01 06 08
May 3		
PF	iP	04 06 10
May 3		
BER	eL	10 36 49
BC	iP	09 47 38
	ipP	47 50
COL	e(S)	09 51 35
GC	eP	09 46 44
	ipP	46 58
OV	iP	09 47 38
	ipP	47 51
	eS	57 20
PF	iP	09 47 41
SH	iP	09 46 55
	ipP	47 08
TUC	eP	09 48 04
	ipP	48 17
	ePP	51 20
	e(PPP)	53 31
	eS	58 18
May 3		
BC	e(P)	21 17 35
PF	iP	21 14 49
	e	17 21
TUC	eP	21 13 51
	e	15 07
	e	15 26
May 3		
BC	e(P)	21 40 51
PF	iP	21 38 14
	e	40 15
	e	40 45

Date and Station		Phase (GCT) h m s
May 3, cont.		
TUC	eP	21 37 16
	i	37 31
	e	38 29
May 4		
TUC	eP	03 41 16
	e	41 26
	e	41 37
May 4		
SH	e(P)	06 24 02
	i	24 03
May 4		
SH	eP	09 10 59
	iP	11 00
May 4		
TUC	e(P)	11 03 27
	e	03 29
May 4		
PF	iP	14 33 54
SH	iP	14 33 17
May 5		
BC	eP	04 28 29
OV	eP	04 28 31
PF	eP	04 28 30
TUC	e(P)	04 28 33
May 5		
BER	eL	05 09 47
CHI	e(S)	05 10 03
	e	13 55
	eL	14 10
PHIL	eL	05 10 02
SJ	e(S)	05 04 25
	eL	07 38
	e	07 49
May 5		
TUC	e(P)	05 06 07

Date and Station		Phase (GCT) h m s
May 5, cont.		
TUC	eP	12 59 22
	e	59 37
May 5		
PF	iP	16 27 38
May 5		
TUC	e(P)	21 17 17
May 6		
BC	e(P)	01 13 14
PF	iP	01 13 12
	ipP	13 42
SJ	e(P)	01 09 24
	e	12 31
	eL	20 30
SH	iP	01 13 50
TUC	eP	01 12 46
	iP	12 47
	epP	13 12
	i	13 20
May 6		
BC	e(P)	01 39 31
May 6		
BC	e(P)	02 59 12
	e	03 00 35
PF	iP	02 58 41
	eS	03 00 37
	e	00 54
TUC	eP	02 58 07
	iP	58 22
	eS	59 04
	eL	59 19
May 6		
BER	eL	12 57 07
May 6	e(P)	12 38 44
BC		

Date and Station		Phase (GCT) h m s
May 6, cont.		
PF	iP	12 38 48
TUC	eP	12 38 54
May 6		
BH	eP'	20 49 53
	e	50 02
	ePKS	53 15
BER	eP'	20 49 58
	iPP	52 55
	iSKSP	21 03 00
	iSS	11 30
	iPsPS	12 00
	iSSS	15 58
	iL	27 51
T_{SS} = 18 sec. A = 2.5mm.		
T_L = 20 sec. $A_{max.}$ = 9.0mm.		
BC	iP	20 44 22
	eSKS	55 02
BOZ	eP	20 44 27
	ePP	48 40
	eSKS	55 08
	iSKS	55 14
	iPS	57 46
	ePPS	58 32
	iSS	21 03 09
	iSSS	06 50
	eL	10 20
BUT	e	20 47 08
	e(PPP)	50 25
	eSKS	55 02
	e	55 22
	e(PPS)	58 40
	e(SS)	21 04 10
	e(SSS)	08 16
	eL	12 18
CHI	eP	20 45 52
	ePP	50 47
	ePS	21 00 06
	eSS	06 13
	eSSS	11 26
	eL	18 49

Date and Station		Phase (GCT) h m s
May 6, cont.		
COL	eP	20 43 16
	eS	53 34
	ePPS	54 36
	e	56 47
	e	57 28
	eSS	59 02
	eSSS	21 03 06
	eL	05 36
COLU	ePKS	20 53 05
	eSKS	57 04
	e(SKKS)	58 35
	ePPS	21 03 54
	eSS	08 32
	eL	24 03
GC	eP	20 44 14
HONO	eP	20 40 33
	ePP	42 24
	e	44 10
	eS	48 43
	e	50 38
	eSS	52 30
	eL	55 24
T_S = 13 sec. A = 3.4mm.		
T_L = 24 sec. $A_{max.}$ = 14.5mm.		
OV	eP	20 44 17
	i	44 24
PHIL	e(P')	20 50 35
	ePP	51 41
	iPKS	53 08
	eSKKS	58 01
	e	21 04 44
	eSS	09 11
	eSSS	14 12
	eL	22 08
PF	iP	20 44 18
	i	44 24
	eS	54 58
RC	ePP	20 49 07
	ePPP	51 34
	eSKS	55 40
	eS	56 22

Date and Station		Phase (GCT)
		h m s
May 6, cont.		
RC	ePS	20 58 38
	ePPS	59 35
	eSS	21 04 48
	eSSS	08 28
	eL	16 18
SLC	ePP	20 48 34
	eSKS	55 18
	e(S)	55 25
	ePS	57 54
	e(PPS)	58 47
	eSS	21 03 25
	eSSS	06 57
	eL	12 03
SJ	eP'	20 50 06
	iP'	50 19
	ePP	53 27
	eSKS	57 26
	e	58 20
	eSKKS	21 00 27
	e	03 05
	ePPS	06 02
	e	07 32
	eSS	11 49
	eSSS	17 48
	eL	29 00
SH	eP	20 43 51
	ePKKP	21 01 02
SIT	eP	20 43 21
	e	44 29
	ePP	46 33
	ePPP	48 32
	iS	53 52
	iPS	55 01
	iSS	59 32
	iSSS	21 03 31
	eL	06 18
TUC	eP	20 44 32
	eP'	48 19
	ePP	48 40
	i	49 36
	e	54 20

Date and Station		Phase (GCT)
		h m s
May 6, cont.		
TUC	eSKKS	20 55 14
	eS	56 36
	ePS	57 28
	ePPS	58 33
	ePKKP	21 00 42
	i(PKKP)	01 04
	eSS	03 28
	eSSS	07 20
	eP'P'	08 44
	eL	13 12
UK	e	20 53 24
	e(S)	55 16
	e(SS)	21 00 16
	e	03 09
May 6		
TUC	e(P)	21 43 17
	e	43 47
May 7		
BH	eP	05 25 11
	iS	25 55
TUC	eP	05 31 25
May 7		
TUC	iP	06 04 11
	i	04 16
May 7		
BC	iP	12 57 19
	i	57 25
	eS	58 03
PF	iP	12 57 28
	iS	58 22
May 7		
BER	eL	15 15 00
BC	eP	14 21 28
	e	22 01
	ePP	25 17
PF	iP	14 21 31
May 7		
TUC	eP	17 41 33

Date and Station		Phase (GCT)
		h m s
May 7, cont.		
BC	e(P)	20 19 05
May 8		
SH	e(P)	04 05 52
May 8		
BC	e(P)	07 10 01
	e	10 19
PF	iP	07 09 58
SH	eP	07 09 15
TUC	e(P)	07 10 26
	e	10 33
	e	10 49
May 8		
BC	e(P)	07 22 02
BUT	eL	07 24 02
CHI	e(L)	07 32 32
COL	eL	07 29 21
GC	iP	07 19 24
	e	19 28
	eS	20 29
	e	20 35
PHIL	eL	07 37 02
PF	iP	07 21 58
RC	eP	07 21 56
	e	22 42
SLC	eL	07 25 36
SH	iP	07 20 40
SIT	eL	07 22 37
TUC	eP	07 22 57
	i	22 58
	i	23 02

Date and Station		Phase (GCT) h m s
May 8, cont.		
BH	eP	10 15 41
	eS	16 09
May 8		
BH	eP	10 29 44
	eS	30 11
May 8		
SH	i(P)	18 43 01
May 8		
SH	e(P)	19 03 25
TUC	i	19 03 23
	ePKKP	14 04
May 8		
SH	e(P)	19 54 01
May 8		
BH	e(P)	23 56 52
May 9		
BER	eP	00 00 42
	e	01 42
	e	02 40
	ePPP	03 03
	iS	07 01
	eL	10 03
BC	eP	00 00 13
	e	13 46
BUT	ePP	00 03 19
	eS	08 14
	e	08 51
	eL	18 20
CHI	eP	00 00 26
	eS	06 32
	e	07 46
	eL	09 21
COL	eL	00 29 25
COLU	eS	00 05 08
GC	e	00 02 57

Date and Station		Phase (GCT) h m s
May 9, cont.		
HONO	eL	00 18 37
LOG	eP	00 00 49
	eS	07 07
	e	07 36
	eL	14 29
PHIL	eP	00 00 49
	e	02 29
	eS	07 02
	iL	10 10
PF	eP	00 00 09
RC	eP	00 00 52
	e	06 14
	e	07 36
SLC	eP	00 00 49
	ePP	02 20
	eS	07 12
	eL	10 32
	e(ScS)	10 42
SJ	eP	23 59 26
	ePP	00 00 39
	e(PcP)	01 51
	eS	04 43
	eL	06 38
SH	e(P)	00 01 13
TUC	eP	23 59 32
	iP	00 00 07
	e	04 56
	eL	07 06
UK	eL	00 13 48
May 9		
BER	eL	13 43 40
BC	iP	13 38 51
CHI	e(P)	13 38 13
	e(PcP)	41 17
	eS	42 50
	eL	44 06

Date and Station		Phase (GCT) h m s
May 9, cont.		
PF	iP	13 38 46
	eScS	49 15
	e	49 52
SLC	eL	13 51 30
SJ	e(P)	13 37 51
	ePP	38 10
	e(S)	41 30
	eL	42 14
SH	e(P)	13 39 54
TUC	iP	13 38 07
	i	38 13
	eS	42 39
	eL	45 30
	e	47 16
	eScS	49 44
May 9		
BC	eP	15 50 54
	e	51 39
PF	iP	15 50 48
	i	50 59
	eS	51 43
May 9		
SH	e(P)	19 29 22
May 10		
BER	eL	00 57 41
BC	eP	00 18 06
CHI	eL	00 47 37
PHIL	eL	00 49 54
PF	iP	00 17 55
	i	18 08
SH	iP	00 17 17
TUC	iP	00 18 37
	i	18 49
	e	21 06

Date and Station		Phase (GCT) h m s
May 10, cont.		
PF	iP	11 06 39
	eS	07 17
May 10		
SH	iP	21 16 32
May 11		
PF	iP	01 37 19
May 11		
BC	iP	05 06 55
	i	06 59
	iS	07 24
BOZ	eL	05 16 19
SLC	eL	05 10 26
SH	eP	05 08 22
	e	08 24
TUC	eP	05 07 32
	iL	08 58
May 11		
BER	eL	07 04 50
CHI	eL	07 08 19
PHIL	eL	07 12 04
May 11		
BH	eP	16 20 13
	iS	21 16
May 11		
SH	eP	16 48 25
	iS	49 00
May 11		
BER	eL	19 23 00
PHIL	e(P)	19 06 39
	eL	19 04
SJ	e(P)	19 01 07
	e	02 23
	eS	03 53
	eL	05 39

Date and Station		Phase (GCT) h m s
May 11, cont.		
BC	iP	21 41 41
PF	i(P)	21 41 23
	iP	41 30
	i	41 52
	iS	42 00
May 11		
BER	eL	23 30 03
May 12		
TUC	e(P)	13 52 23
May 13		
TUC	e(P)	11 03 22
May 14		
BER	ePKS	02 30 20
	e(SKKS)	36 15
	ePPS	41 12
	e	49 08
	eL	03 17 40
BC	iP	02 20 50
OV	eP	02 20 52
PF	iP	02 20 53
SH	eP	02 20 35
TUC	eP	02 20 58
May 14		
PHIL	eL	04 13 37
May 14		
GC	iP	06 01 05
TUC	e(P)	06 02 37
May 15		
TUC	iP	01 39 37
May 15		
SH	iP	02 26 23
TUC	iP	02 26 48

Date and Station		Phase (GCT) h m s
May 15, cont.		
BER	eL	10 42 32
TUC	eP	10 32 06
May 15		
PF	iP	22 22 27
	i	25 55
SH	eP	22 21 47
TUC	eP	22 22 48
May 16		
BC	eP	05 58 48
	e	06 00 56
	e	01 30
OV	iP	05 58 55
PF	iP	05 58 48
	i	06 00 28
TUC	eP	05 58 12
	eS	58 54
	eL	59 14
May 16		
BC	eP	06 31 06
	e	33 04
COL	e(P)	06 29 42
OV	iP	06 31 14
PF	iP	06 31 07
TUC	eP	06 30 18
	e	30 40
	e	30 50
	eS	31 14
	eL	31 25
May 16		
BC	eP	07 12 50
	e	13 34
	e	15 14
OV	iP	07 12 58

Date and Station		Phase (GCT) h m s
May 16, cont.		
PF	iP	07 12 51
TUC	eP	07 12 15
	i	12 20
	eS	13 00
	eL	13 25
May 16		
BC	eP	10 45 19
	e	47 45
PF	iP	10 45 21
TUC	eP	10 44 46
	e	45 02
	eS	45 48
May 16		
BC	eP	11 01 01
	e	03 06
OV	iP	11 01 02
PF	iP	11 00 55
TUC	eP	11 00 18
	e	00 32
	eS	01 04
	eL	01 21
May 16		
BER	e	17 54 20
	eL	58 30
SH	eP	17 42 40
TUC	iP	17 42 52
May 16		
TUC	e(P)	17 59 45
May 16		
BER	eL	22 06 00
BC	iP	22 08 18
PF	iP	22 08 14
SJ	eP	22 00 33
	eS	01 30
	iL	01 36

Date and Station		Phase (GCT) h m s
May 16, cont.		
SH	iP	22 09 03
TUC	iP	22 07 49
	i	08 07
	i	08 11
May 17		
BC	iP	07 19 25
OV	iP	07 19 27
PF	iP	07 19 28
RC	ePP	07 25 06
	eSKS	31 55
	eS	32 52
	ePPS	35 20
	eL	53 14
SH	iP	07 19 12
TUC	iP	07 19 31
	eL	46 28
May 17		
BER	ePP	07 27 58
	ePKS	29 27
	eSKS	33 11
	ePS	38 03
	eSS	45 32
	i(PSPS)	46 03
	i	48 17
	eL	58 22

T_{SS} = 15 sec. A = 2.0 mm.
T_L = 18 sec. $A_{max.}$ = 2.0mm.

BC	eP	07 20 07
	ePP	24 15
BUT	ePP	07 25 07
	e	29 10
	e(PS)	33 00
	e	36 22
	eSS	40 14
	eSSS	43 26
	e	47 20
BOZ	e(P)	07 21 16
	ePP	25 23

Date and Station		Phase (GCT) h m s
May 17, cont.		
BOZ	eSKS	07 31 39
	e(S)	33 15
	ePPS	34 41
	e	36 23
	ePSPS	40 11
	eSSS	44 00
	eL	49 35
CHI	ePP	07 26 28
	eSKS	32 28
	eS	34 43
	ePS	36 12
	ePPS	37 22
	eSS	42 50
	eSSS	46 17
	eL	55 29
COL	e(PP)	07 25 38
	eS	32 24
	e	33 20
	e(PPS)	36 00
	e	38 04
	eSS	40 46
	eSSS	45 32
	eL	51 13
COLU	eSKS	07 32 20
	eS	34 52
	ePS	36 37
	eSS	42 41
	eL	55 12
HONO	eP	07 17 05
	e	18 33
	ePP	19 12
	eS	25 33
	eSS	29 13
	eL	31 29

T_S = 16 sec. A = 3.5mm.
T_L = 17 sec. $A_{max.}$=2.5mm.

LOG	e(PP)	07 24 15
	e	26 13
	eSKS	31 31
	eS	32 36
	e	32 57
	ePPS	34 07
	eSS	39 42
	eSSS	44 49
	eL	49 27

Date and Station		Phase (GCT) h m s
May 17, cont.		
PHIL	ePP	07 27 22
	e(SKS)	32 15
	eSKS	33 07
	eSKKS	34 20
	ePS	37 08
	e(PPS)	37 51
	eSS	44 09
	eSSS	48 19
	eL	55 10
SLC	ePP	07 25 10
	eSKS	31 36
	eS	32 36
	ePS	32 54
	ePPS	34 04
	eSS	39 36
	e	45 10
	eL	47 12
SJ	ePP	07 27 00
	eSKS	32 36
	eSKKS	33 38
	e	36 23
	ePS	36 56
	eSS	43 55
	eL	53 30
SIT	ePP	07 25 10
	iS	32 42
	ePS	33 36
	eSS	39 48
	eSSS	44 33
	eL	49 20
TUC	eP	07 20 23
	ePP	24 03
	e	24 18
	eSKS	30 41
	eS	31 03
	e(PPS)	32 56
	eSS	37 21
	eL	46 19
UK	e	07 29 50
	eSKS	30 14
	eSS	36 53
	e(SSS)	41 26
	eL	44 54

Date and Station		Phase (GCT) h m s
May 17, cont.		
PF	eP	09 58 10
May 17		
BC	e(P)	10 22 07
PF	eP	10 20 21
May 17		
BC	e(P)	10 39 08
PF	iP	10 37 06
May 17		
PF	eP	13 03 23
May 17		
PF	iP	16 46 02
May 17		
PF	iP	21 07 28
	iPP	09 52
May 17		
BC	eP	21 33 39
May 18		
BC	e(P)	00 26 59
	i	28 06
PF	iP	00 26 45
May 18		
BC	iP	01 25 55
OV	iP	01 25 58
PHIL	eL	01 59 36
PF	iP	01 25 57
SLC	eP	01 48 26
SH	eP	01 25 43
TUC	iP	01 26 00
	epP	28 13

Date and Station		Phase (GCT) h m s
May 18, cont.		
BC	iP	01 43 36
	e	45 27
	e	45 49
	i	56 26
OV	iP	01 43 39
PF	iP	01 43 36
TUC	eP	01 43 13
	eS	43 42
	eL	44 42
May 18		
BC	iP	05 07 04
OV	iP	05 07 04
PF	iP	05 07 06
SH	iP	05 06 20
TUC	iP	05 07 29
May 18		
BC	e(P)	12 24 37
May 18		
OV	eP	12 38 50
	e	38 55
	eS	39 23
PF	iP	12 38 46
	e	38 52
	eS	39 21
May 19		
SH	iP	04 43 27
TUC	iP	04 43 42
May 19		
BC	iP	05 29 03
	iS	29 53
OV	eP	05 29 11
	iP	29 23
	iS	30 14

Date and Station		Phase (GCT) h m s
May 19, cont.		
PF	iP	05 29 09
	eS	30 03
May 19		
OV	eP	07 53 44
	e	53 45
	eS	54 18
PF	iP	07 53 40
	i	53 46
	eS	54 16
May 19		
BC	eP	12 53 46
OV	eP	12 53 50
PF	eP	12 53 43
May 19		
TUC	iP	17 08 12
	i	08 25
May 19		
BC	iP	21 53 21
PF	iP	21 53 25
SH	eP	21 53 12
TUC	iP	21 53 25
May 20		
BC	iP	20 07 09
PF	iP	20 07 11
SH	iP	20 06 26
TUC	iP	20 07 34
	e	07 44
	e	07 49
May 20		
BC	iP	20 52 18
PF	iP	20 52 19

Date and Station		Phase (GCT) h m s
May 20, cont.		
SH	eP	20 52 10
TUC	iP	20 52 18
	ipP	52 31
	i	52 38
May 21		
TUC	iP	08 19 46
May 22		
TUC	e(P)	06 48 06
May 22		
SH	e(P)	08 35 00
May 22		
TUC	e(P)	10 17 50
May 22		
PF	eP	11 16 19
TUC	e(P)	11 16 54
May 22		
BH	eP	12 20 12
	eS	21 11
May 22		
TUC	eP	13 26 10
May 22		
BC	iP	17 20 20
PF	iP	17 20 24
SH	iP	17 20 09
TUC	iP	17 20 26
	i	20 41
May 22		
TUC	eP	20 25 23
May 22		
BC	iP	22 52 10
PF	iP	22 51 18
	i	52 11

Date and Station		Phase (GCT) h m s
May 22, cont.		
SH	eP	22 51 13
TUC	eP	22 52 44
May 23		
TUC	eP	02 14 47
	e	15 17
May 23		
BC	iP	05 12 44
PF	eP	05 12 40
TUC	eP	05 12 11
	epP	12 43
May 23		
BC	eP	11 59 14
	e(S)	59 58
PF	iP	11 59 12
	i	59 15
	eS	12 00 05
May 24		
PF	iP	00 29 38
TUC	eP	00 29 42
May 24		
TUC	e(P)	08 55 15
May 24		
TUC	e(P)	11 12 06
May 24		
BC	iP	18 18 20
	e	19 20
	eL	25 52
BOZ	eL	18 29 18
PF	iP	18 18 15
	eL	25 30
SLC	eL	18 24 29
TUC	eP	18 17 27
	i	17 35

Date and Station		Phase (GCT) h m s
May 24, cont.		
TUC	e	18 18 08
	eS	21 03
	eL	21 09
May 25		
PF	iP	03 04 08
TUC	e(P)	03 03 15
May 25		
SH	eP	14 30 29
May 25		
BC	eP	16 02 38
COL	e(P)	15 58 54
	eS	16 04 02
	eL	05 08
PF	eP	16 02 41
SIT	eP	15 59 28
	eS	16 03 10
	eL	04 12
TUC	eP	16 03 16
	e	03 28
	e	03 35
May 25		
TUC	eP	16 40 55
	epP	41 12
May 25		
TUC	iP	19 23 46
May 25		
SH	e(P)	23 13 15
May 26		
BER	e	00 11 43
	eL	16 20
BC	iP	00 12 43
	i	12 58
	i	13 17
CHI	e(P)	00 12 55
	e	15 26

Date and Station		Phase (GCT) h m s
May 26, cont.		
CHI	e	00 16 47
	e	17 39
	e	22 24
	eL	27 09
COLU	eP	00 11 29
	e	15 34
GC	e(P)	00 14 13
	eP	14 15
	i	14 47
PHIL	e	00 12 54
	e	15 36
	eL	17 26
PF	iP	00 12 39
	i	12 54
	i	13 09
SLC	eL	00 13 38
SJ	e	00 12 04
	e	13 08
	eL	17 03
SH	eP	00 13 45
	i(PcP)	16 06
TUC	iP	00 11 57
	ipP	12 13
	i	12 21
	i	12 33
	i	13 05
	i(PcP)	15 54
	eS	16 23
	iS	16 34
	e	16 53
	eL	17 13
May 26		
PF	iP	00 23 08
	i	24 03
May 26		
BC	iP	06 05 55
PF	iP	06 05 51
	e	06 26

Date and Station		Phase (GCT) h m s
May 26, cont.		
TUC	eP	06 05 08
	e	05 25
May 26		
BC	iP	06 26 23
PF	iP	06 26 19
TUC	eP	06 25 38
	i	25 54
	i	29 17
May 26		
BC	eP	11 10 48
PF	eP	11 10 46
TUC	eP	11 10 38
	i	11 10
May 26		
BC	iP	13 11 31
PF	iP	13 11 33
SH	iP	13 10 40
TUC	iP	13 12 01
May 26		
PF	eP	17 46 16
SH	e(P)	17 47 45
TUC	e(P)	17 48 22
May 26		
TUC	e(P)	18 26 32
May 26		
PF	iP	19 53 16
	i	53 26
	iS	20 03 03
	i	03 33
SH	iP	19 52 50
	ipP	54 44

Date and Station		Phase (GCT) h m s
May 26, cont.		
TUC	eP	19 53 26
	ipP	55 22
	i	55 34
May 27		
BER	e	03 55 32
	e	04 04 30
	eL	38 11
May 27		
BC	eP'	03 53 40
SH	e(P')	03 53 44
	e	54 09
TUC	iP'	03 53 48
	e	54 16
May 27		
BH	e(P')	06 18 38
BER	eP'	06 18 30
	ePP	21 49
	ePKS	22 30
	eSKSP	31 48
	eSS	40 28
	iSS	40 33
	iSSS	46 18
	iL	58 18
T_{PP} = 10 sec. A = 2.0mm.		
T_{SS} = 20 sec. A = 2.0mm.		
T_L = 20 sec. $A_{max.}$ = 9.0mm.		
BC	eP	06 13 14
	ePP	17 42
BOZ	e	06 16 13
	ePP	17 25
	ePPP	20 09
	eSKS	24 03
	eSKKS	24 28
	ePS	27 14
	iPPS	28 06
	iSS	33 10
	eSSS	37 17
	iSSS	37 23
	eL	42 15

Date and Station		Phase (GCT) h m s
May 27, cont.		
BUT	eP'	06 17 08
	e(PP)	18 10
	eSKS	24 08
	e(PS)	26 00
	e(SS)	30 56
	eSS	32 58
	eSSS	36 38
CHI	ePP	06 19 39
	e	20 33
	eSKS	24 27
	e	25 35
	e	28 23
	ePS	29 03
	ePPS	31 09
	eSS	36 31
	eSSS	41 07
	eL	50 43
COL	eP	06 11 34
	e	12 35
	eS	22 06
	ePS	22 58
	ePPS	23 47
	eSS	27 56
	eSSS	31 22
	eL	35 00
COLU	ePP	06 20 47
	ePKS	22 20
	e	27 44
	eSS	37 48
	eSSS	43 32
	eL	52 32
HONO	eP	06 10 19
	iPcP	10 38
	ePP	11 42
	e	13 19
	e	15 49
	e	17 41
	iS	19 20
	e	21 33
	eSS	23 28
	eL	26 46
T_L = 16 sec. $A_{max.}$ = 13 mm.		

Date and Station		Phase (GCT) h m s
May 27, cont.		
LOG	ePP	06 17 55
	iPPP	20 00
	eSKS	23 35
	eS	25 51
	iPS	27 34
	iPPS	28 15
	i	29 15
	eSS	31 41
	i	34 03
	eL	43 23
NK	e	06 19 15
	ePP	20 25
	e	22 16
	ePS	30 32
	ePPS	32 40
	eSS	38 01
	eSSS	43 21
	eL	57 02
PHIL	eP'	06 18 24
	e	20 41
	ePP	20 43
	ePKS	21 46
	iPKS	21 48
	eSKS	25 28
	eSKKS	26 54
	eSKSP	30 04
	iPS	31 17
	iPPS	32 10
	i	34 08
	eSS	36 55
	e	38 25
	eSSS	42 55
	eL	53 11
PF	eP	06 13 15
	ePP	17 34
	iPP	17 50
RC	ePP	06 18 26
	eSKS	25 35
	eS	26 36
	ePS	28 24
	ePPS	29 33
	eSS	34 28
	eSSS	38 56
	eL	46 52

Date and Station		Phase (GCT) h m s
May 27, cont.		
SLC	eP'	06 17 46
	ePP	18 32
	eSKS	24 28
	eS	26 06
	ePS	27 44
	eSS	33 36
	eL	46 45
SJ	eP'	06 18 56
	e	19 03
	e	20 00
	e(PP)	21 30
	ePP	22 18
	ePKS	23 00
	e	24 05
	eSKS	26 06
	e	27 11
	e	31 05
	e(SKSP)	33 31
	eSS	41 20
	eL	48 03
SH	eP	06 12 42
SIT	eP	06 12 03
	ePP	15 39
	iPP	15 44
	e	20 40
	eS	22 33
	e	26 22
	eSS	28 02
	eL	33 50
TUC	eP	06 13 35
	ePP	18 14
	ePPP	20 11
	ePS	27 25
	ePKKP	28 37
	ePPS	28 48
	eSS	33 41
	eL	43 21
UK	eP	06 22 50
	e	25 43
	e	26 40
	e	29 20
	eSS	30 14
	eL	37 16

Date and Station		Phase (GCT) h m s
May 27		
BOZ	eL	17 45 17
BUT	eL	17 44 15
GC	eP	17 41 51
PHIL	eL	17 57 59
SH	e(P)	17 40 03
May 27		
BER	eL	21 25 18
BC	eP	21 00 56
	eL	03 44
BOZ	eL	21 04 37
BUT	eP	21 01 14
	e(S)	03 32
	eL	03 52
GC	eP	21 00 57
LOG	iP	21 01 07
	i	01 13
	i	01 22
	iL	03 51
PF	iP	21 01 01
RC	iP	21 02 30
	e(S)	05 40
	eL	06 29
SLC	eP	21 01 07
	eS	03 32
	eL	04 12
SH	iP	20 59 12
TUC	iP	21 02 02
	i	02 08
	eS	04 51
	eL	04 53
May 27		
SLC	e	21 26 16

Date and Station		Phase (GCT) h m s
May 28		
GC	e(P)	13 30 26
May 28		
BER	e	15 18 19
	eL	44 43
BC	iP	15 00 35
	i	00 45
PHIL	eL	15 45 37
PF	iP	15 00 38
	ipP	00 56
	i	03 33
SH	iP	15 00 28
TUC	iP	15 00 38
	ipP	00 55
	ePP	04 19
	eS	11 23
	eSS	16 25
	eSSS	20 27
	eL	21 33
May 28		
PF	iP	16 35 14
	i	35 20
	eS	35 52
May 28		
SH	e(P)	17 03 27
May 28		
PF	iP	21 37 49
SH	e(P)	21 37 24
May 28		
BH	e(P)	23 59 20
May 29		
BC	e(P)	00 35 13
PF	e(P)	00 35 11
TUC	eP	00 34 14
	i	34 16

Date and Station		Phase (GCT) h m s
May 29, cont.		
PF	iP	01 40 12
SH	eP	01 39 51
TUC	eP	01 40 18
	epP	41 22
May 29		
BER	eL	03 43 27
PF	iP	03 27 57
	i	28 33
SH	iP	03 28 40
TUC	iP	03 27 28
May 29		
BC	e(P)	03 58 50
PF	eP	03 55 25
TUC	e(P)	03 55 27
	e	59 05
May 29		
SH	e(P)	06 50 31
TUC	eP	06 43 18
May 29		
TUC	eP	07 40 23
May 29		
BC	e(P)	11 13 04
	ipP	13 17
PF	iP	11 13 07
SH	eP	11 12 01
TUC	eP	11 13 41
	i	13 55
	ipP	13 58
May 29		
BH	eP	11 27 39
	e	28 16

Date and Station		Phase (GCT) h m s
May 29, cont.		
GC	iP	18 55 16
May 29		
TUC	eP	21 25 16
	(e)	27 25
May 29		
BER	eL	23 28 00
PHIL	eL	23 28 53
SJ	e(P)	23 14 10
	e	17 44
	e	23 17
	e	24 54
TUC	eP	23 16 41
	e	18 12
May 29		
TUC	e(P)	23 30 56
May 30		
TUC	eP	13 11 47
May 31		
SH	eP	02 29 31
	iP	29 34
June 1		
BC	iP	03 58 06
PF	iP	03 58 10
SH	e(P)	03 57 56
	iP	57 57
TUC	iP	03 58 13
June 1		
BC	iP	04 22 03
PF	iP	04 22 07
SH	iP	04 20 58
TUC	iP	04 22 45
	i	22 55

Date and Station		Phase (GCT) h m s
June 1, cont.		
BC	eP	04 52 14
PF	iP	04 52 19
SH	e(P)	04 51 57
June 1		
TUC	e(P)	06 44 50
June 1		
BC	iP	07 48 10
PF	eP	07 48 13
TUC	iP	07 48 52
	i	49 02
June 1		
BOZ	eL	12 05 16
TUC	e(P)	11 45 50
June 1		
TUC	eP	18 28 15
	e	31 06
June 1		
BC	iP	22 30 16
HUAN	iP	22 21 38
	i	21 50
	iS	22 11
	iL	22 21
PF	iP	22 30 13
SLC	eL	22 48 24
TUC	iP	22 29 40
	i	30 16
June 1		
TUC	eP	23 37 10
June 2		
BC	e(P)	01 01 55

Date and Station		Phase (GCT) h m s
June 2, cont.		
PF	e(P)	01 01 53
TUC	e(P)	01 01 18
	i	01 26
June 2		
PF	eP	01 54 27
	e	54 33
	e	58 48
June 2		
BER	eL	07 29 38
BC	eP	06 54 27
	e	54 33
BOZ	eL	07 34 41
CHI	eL	07 31 32
COL	eL	07 17 40
COLU	eL	07 26 12
PHIL	eSKS	07 04 19
	e	04 38
	eSS	10 57
	ePSPS	11 45
	eL	18 50
RC	eL	07 36 37
SLC	eL	07 34 37
SIT	eP	06 52 40
	e	54 13
	ePPP	57 26
	eS	07 02 56
	e	03 46
	eL	14 53
TUC	ePP	06 59 09
	i	59 18
	eSKKS	07 06 09
	eL	38 56
June 2		
TUC	eP	13 57 33
	e	14 01 51

Date and Station		Phase (GCT) h m s
June 2, cont.		
PF	iP	14 16 37
June 3		
TUC	eP	04 50 11
	e	51 36
June 3		
BER	e	04 52 00
	e	59 03
	eL	05 07 08
BC	eP	04 59 12
HUAN	e	04 53 32
	e	54 52
	e	56 47
	e	59 09
	eL	05 03 48
PHIL	e	04 51 07
	eL	54 32
PF	eP	04 59 09
TUC	eP	04 58 41
	e	05 14 31
	e	16 55
	eL	22 30
June 3		
SIT	eL	06 26 06
June 3		
TUC	eP	06 59 43
June 4		
BER	eP	00 41 04
	eS	50 05
	e	50 28
	eL	01 04 03
CHI	eL	01 06 15
TUC	eP	00 43 23
	eL	01 26 36
June 4		
SJ	e(P)	01 26 11
	eL	26 46

Date and Station		Phase (GCT) h m s
June 4, cont.		
SIT	eP	01 49 10
	eS	52 29
	eL	52 32
June 4		
TUC	eP	04 56 18
June 4		
TUC	eP	12 42 45
June 4		
BER	eL	14 44 10
BC	eP	14 16 38
HUAN	e(P)	14 13 07
	e	24 55
PF	eP	14 16 40
SH	e(P)	14 17 08
SIT	eL	15 51 14
June 4		
PF	iP	22 21 40
	i	21 46
	eS	22 17
June 4		
SH	e(P)	23 08 47
	i	08 58
June 5		
BC	e(P)	02 47 01
	e	47 08
	e	47 15
GC	e(P)	02 48 27
	i	48 42
	i	48 46
LOG	iP	02 45 50
	iS	46 32
	eL	47 03
PF	eP	02 47 02
SLC	eP	02 46 10
	eS	47 00

Date and Station		Phase (GCT) h m s
June 5, cont.		
SH	e(P)	02 47 24
June 5		
SH	eP	05 58 22
June 5		
SH	iP	08 10 05
TUC	eP	08 11 42
June 5		
BC	eP	12 09 00
	e	09 14
PF	eP	12 09 04
	e	09 18
SH	e(P)	12 08 45
	e	08 48
TUC	e(P)	12 09 09
	i	09 25
June 5		
TUC	eP	13 03 37
June 5		
BH	eP	23 01 02
	e(S)	03 13
BER	eP	23 04 20
	e(S)	09 37
	eL	11 03
BC	e(P)	23 04 34
	i(P)	04 37
	i	07 26
	iL	11 06
CH	eP	23 04 02
	ePcP	06 51
	eS	08 39
	eL	10 13
COL	eL	23 28 36
COLU	e(P)	23 03 07
	eS	07 02
	eL	08 20

Date and Station		Phase (GCT) h m s
June 5, cont.		
HUAN	eP	23 04 23
	iS	09 14
	i	09 47
	eL	11 55
PHIL	eP	23 04 14
	epP	04 57
	e	05 22
	eS	08 45
	e	08 58
	eL	10 07
PF	eP	23 04 30
	i	07 23
	iL	11 04
RC	eP	23 04 43
	ePPP	06 03
	ePcP	06 42
	eS	09 34
	eL	10 07
SLC	eP	23 04 48
	e(PP)	06 08
	e	09 28
	eS	10 06
	eL	11 44
SH	eP	23 05 38
	e(S)	11 27
TUC	eP	23 03 50
	iP	03 52
	i	04 09
	i	05 03
	i	07 15
	e(S)	08 48
	iL	10 49
June 6		
SH	iP	00 26 18
June 6		
SH	e(P)	04 15 53
	e	15 57
June 6		
SJ	e(P)	08 20 20
	e	20 33
	eL	25 55

Date and Station		Phase (GCT) h m s
June 6, cont.		
SH	eP	09 45 50
June 7		
BH	eP	03 24 06
	eS	25 16
June 7		
SIT	eL	08 49 10
June 7		
BH	eP	11 54 04
	eS	55 11
June 7		
BH	e	12 07 06
	e	08 14
June 7		
BC	iP	14 39 43
PF	iP	14 39 50
	i	39 57
	i	40 34
June 7		
BER	ePP	19 09 56
	ePKS	10 45
	eSKSP	20 00
	eSS	27 34
	e	29 36
	eL	51 38
T_L = 20 sec. $A_{max.}$ = 1mm.		
BC	e(P)	19 05 20
BOZ	ePP	19 06 32
	eSKS	12 35
	eSS	20 20
	eL	30 35
BUT	eSKS	19 12 29
	e	14 28
	e(PS)	15 27
	e(SSS)	25 17
	eL	31 26
CHI	ePKS	19 10 02
	eSS	24 26
	eSSS	29 42
	eL	41 52

Date and Station		Phase (GCT) h m s
June 7, cont.		
COL	e(P)	19 00 54
	ePP	02 55
	ePPP	04 40
	eS	09 52
	e(ScS)	10 36
	eSS	15 08
	eL	21 05
COLU	ePKS	19 11 13
	e(SS)	27 01
	e(SSS)	31 27
	eL	39 48
HONO	e(S)	19 09 45
	eL	19 03
T_S = 10 sec. A = 2.0 mm.		
T_L = 20 sec. A_{max} = 1.5mm.		
HUAN	eP'	19 07 54
	e	08 48
	e(PP)	11 50
	e	20 58
	e(SKSP)	23 57
	e(SS)	33 32
	eSSS	39 18
	eL	54 38
LOG	e(PP)	19 07 25
	eSKS	12 47
	eSKKS	13 10
	eL	32 03
PHIL	ePP	19 08 43
	ePKS	10 27
	eSKKS	15 37
	e	16 13
	e(PS)	19 34
	e	21 45
	eSS	25 19
	eSSS	30 30
	e	34 33
	eL	41 29
PF	e(P)	19 05 24
	iPP	06 35
RC	e(SKS)	19 13 26
	e(PS)	16 44

Date and Station		Phase (GCT) h m s
June 7, cont.		
RC	ePPS	19 17 25
	e(SS)	22 47
	eSSS	26 08
	eL	33 01
SLC	ePP	19 06 34
	e	08 38
	eSKS	12 48
	eSKKS	13 30
SH	eP	19 01 33
SIT	eP	19 00 34
	e	01 46
	e(PP)	05 25
	eS	10 40
	i	11 10
	i	11 35
	eSS	16 40
	eL	23 32
TUC	e(P)	19 05 26
	ePP	07 04
	e	08 11
	eSKS	13 40
	e	15 45
	e(PS)	17 02
	ePPS	17 21
	e(SS)	23 32
	e(SSS)	28 19
	eL	34 13
UK	eSKS	19 12 21
	e(SS)	22 30
	eL	34 12
June 8		
SH	e(P)	23 33 07
June 9		
TUC	eP	00 33 44
June 9		
BER	eL	06 20 30
BC	e(P)	06 21 03
HUAN	e(P)	06 17 40
	eL	32 22

Date and Station		Phase (GCT) h m s
June 9, cont.		
PHIL	eL	06 31 54
PF	e(P)	06 21 10
TUC	e(P)	06 20 53
	e	21 06
June 9		
SH	eP	10 58 42
June 10		
BC	eP	07 56 41
	ipP	58 41
PF	iP	07 56 44
	ipP	58 42
SH	eP	07 56 30
TUC	eP	07 56 45
	iP	56 46
	epP	58 43
	e	58 47
June 10		
BER	ePKS	11 36 05
	eL	12 17 33
BOZ	eL	12 02 32
COL	eS	11 34 37
	eSS	40 00
	eL	49 13
HUAN	eP'	11 32 42
	eL	12 30 30
PHIL	e	11 38 09
	e(S)	41 44
	e(SS)	49 43
	eL	12 07 19
SH	eP	11 26 23
TUC	e	11 30 37
	e(P')	31 34
	eL	12 03 43
June 10		
BER	eS	19 51 20
	eL	52 39

Date and Station		Phase (GCT) h m s
June 10, cont.		
BC	iP	19 51 20
BOZ	eL	20 09 08
COL	eL	20 11 10
HUAN	eP	19 51 24
PHIL	e	19 50 50
	eS	52 52
	eL	55 38
PF	iP	19 51 16
SH	iP	19 51 34
TUC	iP	19 51 15
	i	51 26
June 11		
BC	iP	02 38 00
	ipP	38 28
HUAN	eP	02 29 34
MONT	eP	02 26 57
	iS	27 13
	eL	27 19
PF	iP	02 37 58
	ipP	38 26
SH	iP	02 38 40
TUC	iP	02 37 29
June 11		
BH	eP	12 55 57
	eS	56 40
June 11		
COL	eL	19 23 01
TUC	iP	19 24 28
June 11		
SH	iP	21 16 23
June 12		
BH	eP'	09 22 25

Date and Station		Phase (GCT) h m s
June 12, cont.		
BER	eP'	09 22 06
	iPP	25 50
	ePPS	38 19
	eSS	44 10
	eL	10 02 13
T_P = 2 sec. A = 1.5 mm.		
T_{SS} = 12 sec. A = 1.6 mm.		
T_L = 21 sec. $A_{max.}$ = 2.5mm.		
BC	eP	09 17 07
	iP'	20 53
	i	21 05
	iPKKP	31 53
BOZ	ePP	09 21 40
	eSKS	27 45
	eS	29 24
	ePS	31 05
	eSS	37 24
	eSSS	42 04
	eL	48 21
BUR	eP'	09 21 41
	iPP	24 00
	iPKS	25 02
	ePPS	36 10
	iSS	41 16
	eL	57 08
BUT	ePP	09 21 44
	eS	29 23
	ePPS	32 08
	eSSS	41 19
	eL	46 39
CHI	eP'	09 21 40
	ePP	23 29
	eSKS	29 28
	ePS	33 26
	e	33 28
	e(PPS)	34 32
	eSS	40 31
	eL	54 10
COL	eP	09 15 15
	ePP	18 34
	eS	25 42
	iS	25 56

Date and Station		Phase (GCT) h m s
June 12, cont.		
COL	iPS	09 26 46
	eSS	31 35
	eL	38 49
COLU	eP'	09 22 06
	ePP	24 28
	iPKS	25 28
	eSS	42 30
	eL	10 01 04
GC	eP	09 16 39
HONO	iP	09 14 18
	eS	23 50
	eL	33 46
T_S = 9 sec. A = 2.5mm.		
T_L = 20 sec. $A_{max.}$ = 7.0mm.		
HUAN	iP'	09 22 23
	i	24 06
	iPP	26 28
	eSKKS	32 52
	iSKKS	33 25
	eSS	47 17
	eL	10 08 29
LOG	eP'	09 21 03
	iP'	21 21
	ePP	21 44
	iPP	21 49
	i	26 31
	eSKS	27 31
	eSKKS	28 31
	eS	29 35
	iPS	31 23
	iPPS	32 19
	eSS	37 30
	eL	48 35
PHIL	eP'	09 21 47
	ePP	24 09
	iPP	24 18
	iPKS	25 22
	eSKKS	30 25
	ePPS	36 20
	eSS	46 23
	eSSS	46 28
	eL	58 19

Date and Station		Phase (GCT) h m s
June 12, cont.		
PF	eP	09 17 09
	iP'	21 05
	iPKKP	31 53
SLC	eP'	09 21 22
	eSKS	27 26
	e(S)	29 45
	ePS	31 28
	ePPS	32 36
	eSSS	41 40
SH	eP	09 16 35
	iP	16 40
	iPP	21 00
SIT	eP	09 15 45
	ePP	19 40
	eSKS	26 22
	iS	27 01
	eSS	32 41
	eSSS	36 02
	eL	41 26
TUC	eP	09 17 35
	iP'	21 13
	iPP	22 20
	i	22 43
	ePKS	24 09
	eSKKS	29 30
	eS	29 58
	iPKKP	31 45
	iPS	31 50
	e(PPS)	33 53
	eSS	38 10
	eSSS	42 26
	eL	48 58
UK	e(P')	09 20 07
	ePP	21 09
	eSKS	27 07
	ePS	29 59
	eSSS	39 28
	eL	44 04
June 12		
SH	iP	10 59 45
June 13		
SH	eP	13 54 00

Date and Station		Phase (GCT) h m s
June 13, cont.		
BER	eP	20 40 12
	ePP	45 02
	ePS	54 50
	eSS	21 01 54
	eL	14 00

$T_{PP} = 8$ sec. $A = 1.9$mm.
$T_{PS} = 17$ sec. $A = 4.0$mm.
$T_{SS} = 20$ sec. $A = 2.0$mm.
$T_L = 20$ sec. $A_{max.} = 4.9$mm.

BC	iP	20 37 27
	i	42 18
	eS	47 52
	eSKPP'	21 07 00
BOZ	eP	20 37 22
	ePP	40 33
	eS	47 40
	ePS	48 42
	eSS	53 04
	eSSS	56 42
	eL	21 02 21
BUR	e(PP)	20 43 18
	iSKS	49 30
	iPS	52 22
	iSS	58 22
	i(SSS)	21 02 28
	eL	13 39
BUT	eP	20 37 19
	eS	47 33
	eSS	53 20
	eSSS	56 43
	eL	59 18
CHI	ePP	20 42 47
	eSKS	49 12
	iS	50 20
	iPS	51 47
	eSS	57 14
	eL	21 06 37
COL	eP	20 35 07
	ePP	37 31
	e(PPP)	39 29
	eS	43 22
	eSS	47 37
	eL	50 36

Date and Station		Phase (GCT) h m s
June 13, cont.		
COLU	eSKS	20 50 04
	ePS	53 20
	eSS	59 09
	eL	21 12 12
GC	eP	20 36 48
HONO	eP	20 34 00
	eS	41 35
	eL	49 00

$T_S = 12$ sec. $A = 3$mm.
$T_L = 17$ sec. $A_{max.} = 9$mm.
$T_L = 20$ sec. $A = 4$mm.

HUAN	eP'	20 44 20
	ePP	47 23
	ePKS	48 10
	e(SKKS)	54 12
	ePS	57 12
	e(SS)	21 06 00
	eL	22 49
LOG	iP	20 37 27
	i	38 18
	i	38 50
	ePP	40 32
	ePPP	43 10
	iS	48 02
	ePS	49 08
	eSS	53 23
	eL	21 00 09
MONT	eL	21 34 16
PHIL	ePP	20 43 52
	eSKS	49 57
	iPS	53 04
	eSS	59 07
	eSSS	21 03 09
	eL	13 35
PF	iP	20 37 50
	i(PP)	41 55
	eS	47 52
	iSKPP'	21 06 59

Date and Station		Phase (GCT) h m s
June 13, cont.		
SLC	eP	20 37 30
	ePP	40 33
	eS	47 52
	iS	48 04
	ePS	49 05
	eSS	53 20
	eSSS	57 08
SH	eP	20 36 49
	i	37 47
	eS	46 34
	eScS	47 10
SIT	iS	20 44 44
	eL	52 45
TUC	iP	20 37 49
	i	37 57
	i	38 15
	ePP	41 20
	iPP	41 26
	ePPP	43 01
	eSKS	48 14
	iS	48 42
	ePS	49 38
	iPPS	50 50
	eSS	54 41
	ePKKP	55 27
	eSSS	58 17
	eL	21 01 08
	eP'P'	03 38
UK	eP	20 36 44
	ePP	40 02
	eS	46 38
	eSS	51 43
	eSSS	55 11
	eL	57 20
June 13		
BC	iP	21 13 10
GC	iP	21 12 31
PF	iP	21 13 12
SH	iP	21 12 31
TUC	eP	21 13 32
	e	14 02

Date and Station		Phase (GCT) h m s
June 13, cont.		
BC	eP	21 24 07
PF	eP	21 24 14
June 13		
SH	eP	23 51 36
June 14		
BER	ePP	00 10 35
	ePS	20 24
	eSS	27 00
	eL	45 22
BC	eP	00 02 55
	eS	13 22
BOZ	eS	00 13 04
	eL	30 41
BUR	eP'	00 08 42
	eSKS	14 59
	ePS	18 00
	eSS	23 40
	eL	40 04
BUT	eS	00 13 04
	e(SS)	19 08
	e(SSS)	21 44
	eL	24 40
CHI	eSKS	00 14 38
	ePS	17 06
	e(SSS)	27 22
	eL	34 35
COL	eP	00 00 35
	ePP	02 56
	eS	08 32
	eScS	10 28
	eL	15 42
COLU	eSKS	00 15 27
	ePS	18 43
	eL	40 24
GC	eP	00 02 19
	iP	02 22
HUAN	eL	00 53 06

Date and Station		Phase (GCT) h m s
June 14, cont.		
LOG	iP	00 02 57
	eS	13 19
	eL	30 05
PHIL	eP'	00 09 08
	eSKS	15 19
	ePS	18 34
	eSS	24 25
	eSSS	28 28
	eL	38 03
PF	eP	00 02 57
	iP	03 09
	eS	13 27
SLC	eP	00 03 00
	eS	13 17
	e(PPS)	17 24
	e(SSS)	22 29
	eL	25 18
SH	iP	00 02 16
	i	02 23
TUC	eP	00 03 18
	iP	03 19
	i	03 30
	eSKS	14 04
	eL	30 08
UK	eP	00 02 25
	ePPP	07 15
	eS	12 19
	eL	24 24
June 14		
BC	iP	00 43 23
GC	eP	00 42 44
PF	iP	00 43 25
	eS	53 44
SH	iP	00 42 44
TUC	eP	00 43 45
	iP	43 46
	ePS	55 43

Date and Station		Phase (GCT) h m s
June 14, cont.		
PF	eP	00 53 00
	e	56 38
SH	eP	00 52 20
	e	55 58
June 14		
BC	iP	02 13 20
PF	iP	02 13 23
SH	eP	02 12 41
TUC	eP	02 13 43
June 14		
BC	eP	04 09 41
PF	eP	04 09 44
SH	eP	04 09 05
TUC	eP	04 10 06
June 14		
BC	eP	05 34 44
PF	iP	05 34 47
SH	iP	05 34 05
TUC	eP	05 35 07
June 14		
BC	eP	06 59 49
PF	iP	06 59 53
SH	iP	06 59 12
TUC	eP	07 00 13
June 14		
PF	eP	07 23 17
SH	iP	07 22 36
June 14		
BC	eP	07 34 48
	iP	34 51

Date and Station		Phase (GCT) h m s
June 14, cont.		
PF	iP	07 34 54
	i	37 53
SH	iP	07 34 13
TUC	eP	07 35 14
June 14		
BC	eP	09 22 27
PF	eP	09 22 31
SH	eP	09 21 50
TUC	eP	09 22 51
June 14		
BC	iP	11 14 23
SH	eP	11 13 44
TUC	eP	11 14 46
June 14		
BC	eP	11 42 44
PF	eP	11 42 44
June 14		
BC	iP	13 09 49
PF	iP	13 09 52
SH	iP	13 09 11
TUC	eP	13 10 12
June 14		
BC	iP	14 42 33
PF	iP	14 42 36
SH	iP	14 41 55
TUC	eP	14 42 55
June 14		
BC	iP	16 42 43
BOZ	eL	17 10 14

Date and Station		Phase (GCT) h m s
June 14, cont.		
COL	eS	16 49 10
	eL	55 50
PHIL	eL	17 09 02
PF	iP	16 42 46
	eS	53 11
SLC	eP	16 42 44
	eSKS	53 14
	eL	17 07 13
SH	iP	16 42 04
SIT	eL	17 02 44
TUC	iP	16 43 06
	ePP	46 35
	eL	17 12 09
June 15		
PF	eP	05 28 35
TUC	eP	05 29 08
June 15		
BC	eP	11 17 06
BOZ	eL	11 20 24
BUT	eL	11 21 24
GC	eP	11 15 58
PHIL	eL	11 35 02
PF	eP	11 17 11
SLC	eL	11 20 21
TUC	eP	11 18 11
UK	e(S)	11 15 40
	eL	16 52
June 15		
TUC	eP	13 42 10
June 15		
BC	eP	20 34 11

Date and Station		Phase (GCT) h m s
June 15, cont.		
PF	eP	20 34 13
	e	38 46
SH	eP	20 33 32
TUC	eP	20 34 34
	ePP	38 12
June 15		
PF	iP	20 41 09
SH	eP	20 40 31
June 15		
SH	eP	21 11 06
June 16		
PF	eP	00 36 57
	e	37 11
TUC	e(P)	00 37 24
	e	39 47
June 16		
TUC	eP	10 39 34
June 16		
TUC	eP	10 44 54
June 16		
SH	eP	11 09 07
TUC	eP	11 09 12
June 16		
HONO	eL	14 14 26
TUC	eP	14 15 06
June 16		
BH	eP	17 36 42
	iS	37 12
TUC	eP	17 43 27
June 16		
BC	iP	18 35 12

Date and Station		Phase (GCT) h m s
June 16, cont.		
PF	iP	18 35 15
SH	iP	18 34 49
TUC	iP	18 35 24
June 16		
BER	eSKS	21 38 00
	eL	54 38
BC	eP	21 24 16
	e	24 22
HUAN	iP	21 16 29
	eL	40 50
PF	eP	21 24 22
	i	24 29
SH	eP	21 24 20
	e	24 35
TUC	eP	21 24 13
	i	24 20
June 16		
SH	eP	21 55 21
TUC	eP	21 55 04
June 17		
BC	eP	01 12 16
	e	12 21
PF	eP	01 12 20
	e	12 24
SH	eP	01 12 07
TUC	eP	01 12 26
June 17		
BC	iP	12 34 17
	ipP	34 45
PF	iP	12 34 21
	ipP	34 49
TUC	iP	12 34 22
	ipP	34 50

Date and Station		Phase (GCT) h m s
June 17, cont.		
BOZ	eL	14 34 18
CHI	eL	14 49 35
HUAN	eP'	14 05 12
	ePKS	08 36
PF	eP	13 59 33
SH	eP	13 59 04
TUC	eP	13 59 45
June 17		
PF	iP	20 45 23
SH	iP	20 44 43
TUC	iP	20 45 41
June 17		
LOG	e(P)	21 59 25
	eL	22 00 29
GC	e(P)	22 00 33
	eP	00 38
June 17		
BC	iP	23 33 22
	i	33 27
	eS	33 57
PF	iP	23 33 28
	e	33 35
	eS	34 10
June 17		
BC	eP	23 58 16
PF	iP	23 58 19
SH	eP	23 58 07
TUC	iP	23 58 18
June 18		
HUAN	eL	03 35 25

Date and Station		Phase (GCT) h m s
June 18, cont.		
SH	iP	03 01 27
TUC	eP	03 01 42
	eL	26 46
June 18		
TUC	eP	03 59 40
June 18		
BC	eP	11 05 21
PF	eP	11 05 24
SH	iP	11 04 19
TUC	iP	11 06 00
	i	06 07
June 18		
TUC	eP	18 11 44
June 19		
BER	eL	03 12 17
BC	eP	02 27 07
BOZ	eS	02 37 20
	eL	48 45
BUR	eL	03 03 08
CHI	eL	02 59 38
COL	eS	02 32 43
	eL	39 40
PHIL	eL	03 04 03
PF	eP	02 27 08
SLC	eS	02 37 37
	eL	50 18
SH	iP	02 26 27
TUC	eP	02 27 30
	i	27 36
UK	eS	02 36 04
	eL	47 16

Date and Station		Phase (GCT) h m s
June 19, cont.		
BC	eP	06 51 21
PF	iP	06 51 24
SH	iP	06 51 10
TUC	eP	06 51 25
	e	51 44
June 19		
BER	ePP	07 54 42
	iPP	54 58
	ePS	08 04 45
	eSS	11 20
	eL	23 18

T_{PP} = 10 sec. A = 0.8mm.
T_{PS} = 15 sec. A = 1.5mm.
T_L = 20 sec. $A_{max.}$ = 1.9mm.

BC	iP	07 47 13
	eS	57 33
BOZ	eP	07 47 03
	ePP	50 20
	iS	57 21
	e(SS)	08 03 12
	eL	08 12
BUR	ePP	07 53 16
	eSKS	59 15
	ePS	08 02 17
	eSS	08 08
	eSSS	12 19
	eL	22 14
BUT	eP	07 47 03
	ePP	50 12
	iS	57 14
	e(SS)	08 01 27
	eL	09 00
CHI	ePP	07 52 20
	iSKS	58 48
	iS	59 45
	ePS	08 01 25
	eL	17 44

Date and Station		Phase (GCT) h m s
June 19, cont.		
COL	eP	07 44 34
	ePP	46 49
	e(PPP)	48 34
	eS	52 48
	eSS	56 48
	eL	59 13
COLU	ePP	07 53 34
	eSKS	59 42
	ePS	08 03 05
	eSS	08 40
	eL	23 14
GC	eP	07 46 35
	iP	46 37
HONO	iP	07 43 48
	eS	51 15
	eL	56 26

T_P = 5 sec. A = 1.5mm.
T_S = 9 sec. A = 2.0mm.
T_L = 18 sec. $A_{max.}$ = 3.0mm.

HUAN	eP'	07 54 00
	ePP	57 04
	e(SKKS)	08 04 24
	eSS	15 33
	eL	32 25
PHIL	ePP	07 53 22
	eSKS	59 34
	ePS	08 02 48
	iPS	02 54
	eSS	08 35
	eSSS	12 50
	eL	19 09
PF	iP	07 47 16
	eS	57 34
SLC	eP	07 47 15
	ePP	50 31
	eS	57 33
	ePS	58 16
	ePPS	58 48
	eSS	08 03 07
	eSSS	07 05
	eL	09 44

Date and Station		Phase (GCT) h m s
June 19, cont.		
SH	iP	07 46 34
	eS	56 23
	eScS	56 54
SIT	eP	07 45 10
	ePP	48 06
	iS	54 15
	i	54 50
	eL	08 02 26
TUC	iP	07 47 36
	i	47 45
	i	49 11
	iPP	51 06
	e(PPP)	53 19
	eSKS	57 42
	eS	58 05
	ePS	58 30
	ePPS	59 30
	eSS	08 03 54
	eSSS	08 18
	eL	10 56
UK	eP	07 46 36
	ePP	49 14
	eS	56 06
	eScS	56 49
	eSS	08 01 08
	e(SSS)	05 07
	eL	07 50
June 19		
SH	eP	08 25 49
June 19		
SH	iP	08 48 39
June 19		
BC	eP	10 28 00
	e	28 15
COL	eL	10 28 00
PF	eP	10 28 05
TUC	eP	10 28 53
June 19		
PF	eP	11 41 33

Date and Station		Phase (GCT) h m s
June 19, cont.		
TUC	eP	11 41 44
June 19		
BC	eP	11 51 48
PF	eP	11 51 52
TUC	eP	11 51 55
June 19		
PF	iP	15 57 20
SH	iP	15 56 24
TUC	iP	15 57 50
June 19		
SH	eP	18 24 21
June 19		
SH	eP	20 23 42
June 19		
BH	eP	22 52 16
	eS	56 19
BER	eS	23 02 00
BC	iP	22 54 09
BUT	eL	23 09 05
CHI	eP	22 54 52
	iPP	56 30
	eS	23 00 36
	eL	03 48
HONO	eL	23 15 52
HUAN	iP	22 53 47
	eL	59 00
PHIL	eP	22 55 20
	ePP	56 50
	eS	23 01 30
	eL	04 44
PF	iP	22 54 08

Date and Station		Phase (GCT) h m s
June 19, cont.		
SLC	eP	22 54 40
	ePP	56 07
	eS	23 00 24
	eL	03 23
SH	iP	22 58 08
TUC	eP	22 53 26
	iP	53 27
	ePcP	56 38
	eS	58 20
	eL	59 35
June 20		
BER	iP	13 38 42
	eS	42 11
	eL	43 00
BC	iP	13 44 12
	e	44 25
BOZ	eL	14 00 44
CHI	eP	13 41 42
	e	42 26
	eS	47 34
	eL	50 50
HUAN	iP	13 43 24
PHIL	eP	13 40 16
	ePP	41 09
	eS	45 07
	eL	45 53
PF	iP	13 44 21
SLC	eS	13 51 43
	eL	57 38
SH	eP	13 44 54
TUC	eP	13 44 10
	eS	52 10
	eL	14 01 05
June 20		
BER	e(P)	17 09 22
	eS	12 48

Date and Station		Phase (GCT) h m s
June 20, cont.		
PHIL	eL	17 17 49
SH	eP	17 15 32
TUC	eP	17 14 48
June 20		
TUC	iP	18 45 14
June 20		
SH	eP	19 06 58
TUC	eP	19 07 54
	e	08 05
June 20		
BC	e(P)	22 41 52
	iP	42 04
	i	42 12
PHIL	eL	22 55 29
SLC	eL	22 48 37
TUC	eP	22 40 45
	e(S)	43 52
	eL	44 26
June 20		
BER	eL	23 21 25
TUC	iP	23 20 07
June 21		
BER	eL	01 10 25
June 21		
COL	eL	03 44 13
SH	iP	03 37 14
TUC	iP	03 38 53
June 21		
BC	iP	08 10 42
	i	10 49
	i	11 01
	e(S)	11 41
	i	11 46
	eL	11 51

Date and Station		Phase (GCT) h m s
June 21, cont.		
PF	iP	08 10 46
	i	10 52
	i	10 56
	eL	12 02
TUC	iP	08 10 35
	i	10 41
	i	10 50
	i	10 55
	iL	11 53
June 21		
BH	eP	17 15 58
	eS	16 57
PF	iP	17 25 41
SH	eP	17 25 01
June 21		
PF	iP	18 24 08
SH	eP	18 23 22
June 22		
BC	iP	00 23 11
PF	eP	00 23 01
SH	eP	00 23 04
TUC	eP	00 23 00
	i	23 13
June 22		
BC	iP	01 24 48
	ipP	25 02
PF	iP	01 24 52
	ipP	25 07
SH	eP	01 24 36
TUC	iP	01 24 54
	ipP	25 08
June 22		
TUC	eP	10 40 28

Date and Station		Phase (GCT) h m s
June 22, cont.		
BC	iP	11 48 35
	eS	56 40
	i	56 57
BOZ	eL	12 00 43
PF	iP	11 48 32
	eS	56 35
	i	57 06
SLC	eL	11 58 35
TUC	iP	11 47 47
	ipP	48 08
	eS	53 19
	i	54 22
	eL	56 06
June 22		
HUAN	iP	12 56 19
	iS	57 00
	iL	57 10
June 22		
SH	eP	14 00 21
June 22		
BC	iP	18 13 58
	i	14 07
HUAN	eL	18 49 33
PF	eP	18 14 00
	i	14 10
SH	eP	18 13 43
TUC	iP	18 14 05
June 22		
SH	eP	19 40 34
June 22		
BC	eP	23 05 14
PF	eP	23 05 17
SH	iP	23 04 40

Date and Station		Phase (GCT) h m s
June 22, cont.		
BC	iP	23 30 57
	i	31 07
	i	31 09
	iS	32 00
	eL	32 08
BOZ	eL	23 35 44
BUT	eL	23 35 33
CHI	eL	23 43 41
PHIL	eL	23 45 49
PF	iP	23 31 06
	i	31 12
	i	31 13
	iS	32 03
SLC	eS	23 32 19
	eL	34 04
SH	eP	23 30 29
	i	30 33
	eS	31 19
TUC	eP	23 31 59
	i	32 05
	eL	34 18
UK	eP	23 30 19
	eS	30 36
	iL	31 07
June 23		
BC	eP	00 07 46
PF	eP	00 07 50
June 23		
TUC	eP	05 00 43
June 23		
TUC	iP	15 51 40
June 23		
BC	iP	16 06 05
	i	06 11
	iS	06 43

Date and Station		Phase (GCT) h m s
June 23, cont.		
PF	iP	16 06 14
	i	06 20
	i	06 23
	i	06 27
	eS	06 59
June 24		
PF	eP	01 51 51
June 24		
PF	eP	02 22 22
SH	eP	02 21 40
	iP	21 42
TUC	eP	02 22 42
June 24		
PF	iP	02 51 38
SH	iP	02 50 57
June 24		
PF	iP	11 04 52
TUC	eP	11 05 15
June 25		
PF	iP	03 54 07
TUC	eP	03 54 42
June 25		
PF	iP	12 31 31
	i	31 41
	eS	32 25
June 25		
BC	iP	16 49 13
	i	49 22
	i	49 30
HUAN	eP	16 41 03
	i(S)	43 45
MONT	eP	16 38 17
	iS	38 33
	eL	38 47

Date and Station		Phase (GCT) h m s
June 25, cont.		
PF	iP	16 49 05
	ipP	49 20
	i	49 27
SH	eP	16 49 47
	ipP	50 02
TUC	iP	16 48 38
	ipP	48 51
	i	48 55
June 25		
BC	eP	18 41 07
PF	iP	18 41 07
	i	42 34
June 25		
BC	e(P)	20 56 54
	e	57 06
	i	57 30
PF	iP	20 56 34
	i	57 03
	e	58 20
June 25		
BER	eL	23 05 16
BC	iP	22 56 10
COLU	eL	23 03 35
HUAN	eL	23 03 07
PHIL	eL	23 06 59
PF	iP	22 56 06
SH	eP	22 57 12
TUC	iP	22 55 26
	i	55 35
	e	56 45
	eL	23 05 43
June 26		
TUC	eP	06 01 23
	e	01 30
	e	01 38

Date and Station		Phase (GCT) h m s
June 26, cont.		
TUC	eP	20 14 58
June 28		
BER	eP'	02 07 05
HUAN	eP'	02 07 25
PHIL	ePP	02 09 15
SH	eP'	02 05 53
TUC	eP'	02 06 10
June 28		
TUC	eP	13 13 30
June 28		
TUC	eP	13 44 17
June 29		
GC	eP	08 11 27
TUC	eP	08 10 02
June 29		
TUC	iP	10 00 22
June 29		
SIT	eP	10 04 08
	iP	04 09
	iS	04 32
	iL	04 40
Felt: Juneau		
June 30		
BER	eP'	08 11 12
BC	eP'	08 09 50
	e	10 15
COL	eSKS	08 14 43
HONO	eL	08 28 12
HUAN	eP'	08 11 43
	eL	09 08 06

Date and Station		Phase (GCT) h m s
June 30, cont.		
PF	eP'	08 10 14
SH	eP'	08 10 06
TUC	eP'	08 10 22
	e	11 28
June 30		
TUC	e(P)	09 13 36
June 30		
BC	iP	23 54 03
	i	54 41
PF	iP	23 54 06
SH	iP	23 54 07
	ePP	57 11
TUC	iP	23 54 12
	iPP	57 51

Date and Station		Phase (GCT) h m s

Local and Minor Quakes

day	hour	day	hour	day	hour	day	hour	day	hour	day	hour
BER		HUAN, cont.		HUAN, cont.		SLC		TUC, cont.		TUC, cont.	
Apr.		Apr. cont.		Apr. cont.		June		Apr. cont.		Apr. cont.	
25	02.5	4	00.6	28	21.3	5	02.8	11	01.7	30	14.2
			03.0	30	13.4				02.7		
BOZ			12.5			SJ			03.3	May	
Apr.			14.8	May		Apr.			04.9	1	09.5
2	21.5	5	04.6	1	12.5	3	18.7		07.5	2	00.9
		6	05.7			4	05.5		10.8		07.7
June		8	16.8	June		6	16.3		11.9	3	18.8
5	02.8	9	23.5	5	05.3	8	01.9		12.5		21.2
17	22.0	10	19.1		07.9	11	08.5		13.9		21.6
		11	16.6	6	01.2		19.4		14.8		23.4
BUT			18.5	8	02.3	17	23.3		15.8	4	02.9
Apr.		12	04.7	10	20.5	20	00.6		18.4	6	02.1
15	22.7		07.7		23.0		00.8		18.8		03.0
29	08.4	13	06.1	11	18.5	21	15.5	12	08.1		03.2
		14	17.2	12	21.3	22	21.2	13	04.0		04.9
June		16	07.1	13	03.5	23	20.5		05.7		08.8
5	02.8		10.6	14	01.5	25	04.0	14	01.8		13.9
17	22.0		12.7		03.3		05.1		09.2	7	05.1
			22.0		05.6		08.7	15	02.5		13.0
CHI			23.3	15	08.8				07.9	8	23.2
June		17	03.4	16	20.0	June			16.9		23.6
20	22.9		05.7	18	07.6	6	11.3		22.7	9	15.8
			13.9	19	09.3	12	01.6	16	06.9	12	06.6
COL			14.2		13.8		06.6		15.6	14	17.2
Apr.			22.5		14.1	19	15.8	17	00.6		17.3
17	00.0	18	04.2	20	18.0	24	06.3		05.9		21.1
20	10.5		09.3	21	15.3	26	06.5	19	06.9	16	11.7
27	22.3		13.3		22.4			20	17.9		14.1
			17.8	22	21.0	SIT		21	03.2		21.3
June		19	07.6		23.9	Apr.			19.4	17	01.6
15	09.0		19.7	24	01.6	17	00.0		22.1		01.8
19	20.3		22.0		19.6			22	00.3		09.9
28	00.4	20	02.3	26	08.4	TUC			00.4		10.3
29	08.1		05.0		20.2	Apr.			01.0		10.4
		21	09.4	27	14.3	2	03.7		03.4		10.9
HUAN		22	12.1	28	01.4	3	00.2		03.5		11.2
Apr.		23	04.9			5	10.1		05.8		11.6
1	13.6		06.1	MONT			10.2		06.1		12.1
	13.6		10.8	June		7	21.0		06.9		12.6
	14.3		17.0	4	13.8	8	23.9	23	04.1		13.0
	02.0	25	07.6			9	00.3		05.3		13.3
	21.1	26	01.2	RC			08.3		10.1		13.5
	22.2		02.8	May		10	21.4	26	02.8		16.7
3	00.1		21.4	13	05.9		21.5		08.7		16.8
	00.6	27	20.4				22.7		20.4		21.6
	03.6	28	06.6	June			23.2	28	15.8	18	00.4
	04.6		10.1	5	02.8	11	00.7		22.2		05.0
	08.2		20.9				00.8		22.6		07.4

Local and Minor Quakes

day	hour
TUC, cont.	
May, cont.	
18	08.8
	12.4
	22.0
	22.4
21	05.6
22	04.6
	08.6
23	12.0
25	16.9
26	06.2
	09.3
	10.1
29	09.6
June	
3	16.6
	21.2
	19.9
4	21.5
	23.9
5	02.8
6	17.6
	18.6
7	20.4
	20.6
	22.3
9	04.5
	09.9
10	22.5
12	18.1
	23.6
14	16.6
16	04.7
17	23.6
18	07.9
19	19.1
22	6.8
	08.4
	19.1
23	16.1
	18.7
24	05.7
	05.8
	22.2

day	hour
TUC, cont.	
June, cont.	
25	21.1
26	08.1
27	20.2
28	11.9