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April, May, June, 1948

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MSI - 134

CONTENTS

List of stations 1
Seismogram interpretations 2
Local and Minor earthquakes 57

U. S. DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

R. F. A. Studds, Director

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National Oceanic and Atmospheric Administration

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March 4, 2011

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

**Balboa Heights, C. Z. (BH)
The Panama Canal
*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)
*Columbia, S. C. (COLU)
University of South Carolina
*Grand Coulee, Wash. (GC)
Bureau of Reclamation
Honolulu, T. H. (HONO)
*Huancayo, Peru (HUAN)
Geophysical Institute of Huancayo
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Logan, Utah (LOG)
Utah State Agricultural College
**New Kensington, Pa. (NK)
Private station
**Philadelphia, Pa. (PHIL)
The Franklin Institute
*Pierce Ferry, Ariz. (PF)
Bureau of Reclamation and 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 magnitudes are determined by Pasadena unless otherwise stated. Minor earthquakes are listed at the end of the report.

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.

* * * *

SEISMOGRAM INTERPRETATIONS

Date and Station		Phase (GCT) h m s
Apr. 1		
BC	eP	01 13 37
	epP	14 08
HH	iP	01 14 24.5
PF	eP	01 13 36
	epP	14 06
SH	iP	01 14 12.5
TUC	eP	01 13 07
	epP	13 37
Apr. 1		
PF	eP	02 38 06
Apr. 1		
PF	e(P)	06 24 51
Apr. 1		
PF	eP	09 27 49
Apr. 1		
HH	i(P)	14 09 29
Apr. 1		
PF	iP	19 28 16
Apr. 1		
PF	eP	20 23 38
	i	24 16
Apr. 1		
BC	eP	21 27 57
PF	iP	21 28 00
SH	iP	21 27 40.5
TUC	iP	21 28 06
Apr. 1		
BC	e(P)	23 24 05
HH	eP	23 24 53

Date and Station		Phase (GCT) h m s
Apr. 1, cont.		
SH	e(P)	23 24 42
	e	24 56
TUC	eP	23 23 36
	e	23 50
Apr. 2		
BC	eP	07 04 25
HH	iP	07 04 58
PF	iP	07 04 28
SH	iP	07 04 12
	e	05 47
TUC	iP	07 04 31
	e	04 40
Apr. 2		
HH	eP	11 21 19
PF	e(P)	11 22 30
Apr. 3		
SH	iP	07 06 07
	eS	06 23
Felt in Eureka, Calif. Intensity IV		
Apr. 3		
TUC	iP	07 31 40
	i	32 11
Apr. 3		
HUAN	e(P')	08 02 29
	i	03 06
	ePP	06 44
HH	iP	07 56 42
	iPP	08 01 09
	eSKS	07 02
PF	e(P')	08 01 16
	iKS	11 18

Date and Station		Phase (GCT) h m s
Apr. 3, cont.		
SH	eP	07 56 30
	e	59 44
	ePP	08 00 42
	e3KKS	07 17
TUC	eP'	08 01 11
	iPP	02 18
	e(PPP)	04 37
	ePKKP	11 51
Apr. 3		
SH	e(P)	17 15 08
Apr. 4		
BC	eP	03 27 17
HH	eP	03 27 19
PF	iP	03 27 21
SH	eP	03 26 50
TUC	eP	03 27 32
Apr. 4		
HH	iP	05 03 50
Apr. 4		
TUC	eP	08 33 46
Apr. 4		
PF	e(P)	16 44 39
TUC	eP	16 44 39
Apr. 4		
TUC	eP	19 19 35
Apr. 4		
HH	iP	22 01 52
Apr. 4		
TUC	eP	23 21 07

Date and Station		Phase (GCT) h m s
Apr. 5		
HH	eP	07 43 19
PF	eP	07 40 55
TUC	eP	07 40 00
	iP	40 03
	e(S)	42 05
	eL	42 44
Apr. 5		
HH	iP	15 57 07
Apr. 5		
BC	i(P)	19 36 15
	ePcP	38 44
	i	39 00
HH	eP	19 37 07
SH	iP	19 39 03.5
	e	39 18
TUC	iP	19 35 20
	e	35 39
	iPcP	38 30
	i	38 45
Apr. 6		
HH	eP	00 24 48
SIT	eL	00 22 40
Apr. 6		
HH	iP	00 44 31
PF	iP	00 42 56
SH	iP	00 43 41
TUC	iP	00 42 17
	iPcP	45 13
Apr. 6		
HH	iP	02 46 55
SH	e(P)	02 46 39

Date and Station		Phase (GCT) h m s
Apr. 6, cont.		
TUC	iP	02 47 05
	i	47 30
	i	50 29
Apr. 6		
PF	i(P)	11 19 34
SH	eP	11 19 25
TUC	iP	11 19 33
Apr. 6		
HH	eP	14 14 50
SIT	e	14 11 35
	eL	12 16
Apr. 7		
BH	eP	05 50 58
	eS	51 36
Apr. 7		
SH	eP	19 06 54
	e	07 16
Apr. 7		
SH	eP	20 29 17
Apr. 8		
HH	iP	00 18 01.5
Apr. 8		
HH	iP	01 23 17.5
	i	23 36.5
	i	23 41.5
Apr. 8		
TUC	eP	06 38 33
Apr. 8		
HH	iP	09 38 06.5
	i	38 26
	i	38 33
Apr. 8		
HH	iP	09 41 55
	i	42 13

Date and Station		Phase (GCT) h m s
Apr. 8, cont.		
SH	eP	11 00 09
Apr. 8		
HH	eP	11 18 51
Apr. 8		
HH	eP	12 25 30
Apr. 8		
HH	eP	13 38 56
	i	39 16
Apr. 9		
BC	iP	03 27 54
	i	28 39
	e	30 15
	eP'P'	56 31
HH	iP	03 27 01
	e(S)	36 30
PF	iP	03 27 56
	i	29 35
	e(S)	36 30
	eP'P'	56 30
SH	iP	03 27 02
	e	29 07
	e	31 34
TUC	iP	03 28 24
	e	29 10
	eP'P'	56 23
Apr. 9		
HH	eP	04 21 14
PF	eP	04 22 03
	e	23 05
SH	eP	04 21 10
Apr. 9		
HH	e(P)	17 41 19

Date and Station		Phase (GCT) h m s
Apr. 10		
BC	e(P)	00 06 34
HH	iP	00 06 06
PF	e(P)	00 06 29
	i	06 33
SH	eP	00 05 52
	e	07 00
TUC	eP	00 06 52
Apr. 10		
HH	iP	00 40 33
PF	iP	00 40 56
SH	eP	00 40 19
TUC	eP	00 41 21
Apr. 10		
HUAN	eP	10 46 43
	eS	47 21
	e	47 26
	eL	47 43
Apr. 10		
HH	iP	11 53 54
	i	54 04
	i	54 09
Apr. 10		
HH	eP	13 51 56
PHIL	eL	13 58 26
TUC	eP	13 49 58
	iP	50 00
	i	50 14
	e	51 37
	e	57 03
	e	58 07
	eL	59 54
Apr. 10		
BC	e(P)	14 34 32

Date and Station		Phase (GCT) h m s
Apr. 10, cont.		
HH	eP	14 34 04
SH	eP	14 33 51
	e	34 17
TUC	eP	14 34 52
Apr. 10		
SH	iP	16 50 02.5
TUC	iP	16 50 31
Apr. 10		
TUC	eP	22 06 06
	i	06 10
	i	06 16
	i(S)	07 25
	iL	07 43
Apr. 11		
HH	iP	03 59 31
SH	eP	03 59 16
	e	59 46
Apr. 11		
BC	e(P)	06 10 47
Apr. 11		
SH	eP	11 32 03
TUC	eP	11 32 22
Apr. 11		
HH	iP	16 08 08
	i	09 59
	i	17 23
SH	iP	16 08 03.5
	i	09 40.5
TUC	eP	16 09 08
Apr. 11		
SH	eP	18 44 27

Date and Station		Phase (GCT) h m s
Apr. 12		
HUAN	eP	00 07 49
	i	07 57
	e(S)	08 23
	eL	08 44
Apr. 12		
HH	iP	06 10 01
SH	e(P)	06 10 09
Apr. 12		
BH	eP	06 18 05
BER	eP	06 21 18
	eL	27 18
BC	iP	06 21 20
	e(pP)	22 00
HUAN	eP	06 21 18
	e(PcP)	24 13
	eS	26 04
	eL	28 50
HH	iP	06 22 30
	iS	28 06
	iL	36 05
PHIL	iP	06 21 03
	eS	25 39
PF	iP	06 21 16
	ipP	21 55
RC	eP	06 21 35
	ePP	22 47
	e(S)	27 01
SJ	eP	06 20 12
	epP	20 45
	ePP	21 18
	eL	25 16
SH	eP	06 22 21
	epP	22 45
	eS	28 01

Date and Station		Phase (GCT) h m s
Apr. 12, cont.		
TUC	eP	06 20 35
	i	20 40
	ipP	21 15
	isP	21 37
	i	22 09
	esS	26 01
	iScP	27 22
	eL	30 34
Apr. 12		
SH	e(P)	06 36 05
Apr. 12		
BC	eP	07 59 25
HUAN	eP	07 57 49
HH	iP	07 59 48
PF	iP	07 59 20
SH	eP	08 00 13
	e	00 22
TUC	iP	07 58 52
	e	59 03
Apr. 12		
BER	ePKS	09 12 27
	eSKKKS	18 31
	ePKS	23 25
	eSS	28 39
	eL	46 54
BC	eP	09 02 42
	ePP	06 32
BOZ	eSKS	09 13 35
	eS	14 05
	eSS	20 20
	eSSS	24 41
	eL	36 28
COL	eS	09 12 01
	e	13 00
	e	13 19

Date and Station		Phase (GCT) h m s
Apr. 12, cont.		
COL, cont.	eSS	09 17 12
	eSSS	20 48
	eL	23 35
HUAN	eP'	09 08 23
	ePP	10 35
	ePKS	11 40
	eKS	21 20
	e	30 30
	e(SSS)	33 20
	eL	53 05
HH	eP	09 02 44
	e	05 36
	eSKS	13 17
	i	17 12
PHIL	eSS	09 27 20
	eL	48 15
PF	eP	09 02 45
	i	02 58
	e(PP)	06 01
RC	e(P')	09 07 12
	e	13 01
	eL	38 32
SH	eP	09 02 14
	e(PP)	05 19
	eSKS	12 46
	eS	13 13
SIT	eP	09 01 56
	e	02 20
	eS	12 20
	eKS	13 24
	e	21 22
	eL	24 50
TUC	e(P)	09 03 08
	e	03 21
	e	03 51
	e	06 23
	ePP	06 56
	e	07 53

Date and Station		Phase (GCT) h m s
Apr. 12, cont.		
TUC, cont.	eS	09 14 35
	eKS	15 54
	eSSS	25 11
	eL	34 52
Apr. 12		
SH	i(P)	09 17 02.5
TUC	eP	09 18 42
Apr. 12		
SH	e(P)	11 29 41
Apr. 12		
SH	eP	12 06 12
	e	06 36
TUC	eP	12 05 13
Apr. 12		
HH	iP	19 33 16
	i	33 24
	i	33 37
	i	34 09
	iL	34 17
Apr. 13		
HUAN	iP	04 38 09
	iS	38 41
	iL	38 50
Apr. 13		
PF	e(P)	07 18 14
Apr. 13		
PF	eP	19 41 11
SH	eP	19 40 01
Apr. 14		
PF	e(P)	00 09 24
Apr. 14		
BC	eP	13 12 11
HH	eP	13 12 47

Date and Station		Phase (GCT) h m s
Apr. 14, cont.		
PF	iP	13 12 18
SH	eP	13 12 03
Apr. 14		
BH	eP	21 30 28
	eS	31 06
PF	e(P)	21 37 21
Apr. 15		
BC	iP	07 34 23
PF	iP	07 34 26
	ipP	34 36
	isP	34 46
SH	eP	07 34 14
TUC	iP	07 34 25
	epP	34 33
	esP	34 43
	e	35 21
Apr. 15		
PF	eP	08 17 54
SH	e(P)	08 18 39
TUC	eP	08 17 31
Apr. 15		
PF	eP	08 55 37
Apr. 15		
HH	eP	15 31 11
	i	31 18
	i	31 47
	i	32 05
Apr. 15		
BER	eL	20 40 42
HH	eP	19 48 12
PHIL	eL	20 40 20

Date and Station		Phase (GCT) h m s
Apr. 15, cont.		
PF	eP	19 48 12
	e	51 58
SH	e(P)	19 47 41
SIT	eL	20 11 10
TUC	e	20 03 32
	eL	20 32
Apr. 15		
HH	eP	20 26 05
Apr. 16		
PF	e(P)	01 08 23
SH	e(P)	01 08 12
TUC	eP	01 08 30
Apr. 16		
BC	eP	02 53 04
	i	53 14
	e	54 33
	e	55 16
HH	iP	02 52 02
	i	52 14
	i	54 54
	i	58 34
PF	eP	02 53 06
	i	53 16
SH	eP	02 51 58
	e	54 52
TUC	e(P)	02 53 44
	i	53 55
	i	55 32
Apr. 16		
TUC	eP	09 27 00
Apr. 16		
HUAN	iP	11 11 14
	iS	11 35
	iL	11 43

Date and Station		Phase (GCT) h m s
Apr. 16, cont.		
PF	eP	12 45 30
TUC	e(P)	12 45 28
Apr. 16		
SH	iP	13 03 15.5
	e	03 54
TUC	e(P)	13 02 21
Apr. 16		
HH	iP	13 21 42
Apr. 16		
BC	iP	22 27 26
	i	27 35
	iL	28 28
HH	iP	22 30 01
	eL	34 33
PF	iP	22 27 35
	iL	28 35
SH	eP	22 28 18
	eL	29 54
TUC	iP	22 28 12
	e	29 10
	iL	30 13
Apr. 17		
PF	e(P)	00 41 20
Apr. 17		
BC	eP	00 55 44
PF	eP	00 55 46
TUC	iP	00 55 48
Apr. 17		
BC	e(P)	06 26 32
PF	e(P)	06 28 30
TUC	eP	06 25 50

Date and Station		Phase (GCT) h m s
Apr. 17, cont.		
BER	e(P)	16 26 39
	e	30 29
	iPP	31 14
	e(PPP)	33 37
	eSKS	37 14
	i(S)	39 01
	iPS	40 49
	iPPS	42 04
	eSS	46 46
	eSSS	50 57
	eL	57 30
T_S = 14 sec. A = 2.1mm.		
T_L = 20 sec. $A_{max.}$ = 4.5mm.		
BC	iP	16 24 05
	i	24 37
	eS	34 45
BOZ	eP	16 23 47
	ePP	26 55
	ePPP	28 59
	iS	33 55
	iPPS	34 52
	eSS	38 46
	i	39 47
	eSSS	42 57
	eL	45 33
BUR	eP	16 25 14
	ePP	29 13
	e	30 33
	eSKS	35 41
	eS	36 33
	ePS	37 52
	ePPS	38 42
	eSS	43 08
	eSSS	47 48
	eL	58 12
BUT	eP	16 23 40
	ePP	26 42
	iS	33 44
	ePPS	34 47
	eSS	38 54
	eSSS	42 28
	eL	45 28

Date and Station		Phase (GCT) h m s
Apr. 17, cont.		
CHI	eP	16 24 54
	ePP	28 45
	ePPP	31 02
	eSKS	35 39
	eS	36 06
	iS	36 10
	iPS	37 18
	iSS	42 44
	eSSS	46 11
	eL	50 14
COL	eP	16 21 01
	ePP	23 06
	iS	28 42
	eSoS	30 40
	eSS	32 33
	eL	34 52
COLU	ePP	16 30 00
	eSKS	36 22
	eS	37 20
	ePS	39 12
	eSS	44 56
	eSSS	49 00
	eL	54 44
HONO	eP	16 21 36
	iS	29 40
	eSS	34 27
	eL	36 09
T_S = 13 sec. A = 6.0mm.		
T_L = 19 sec. $A_{max.}$ = 6.0mm.		
HUAN	eP'	16 31 09
	ePP	34 29
	e(SKS)	39 05
	eSKKS	41 26
	eSKSP	44 34
	eSS	52 48
	eSSS	58 48
	eL	17 13 40
HH	iP	16 23 29
	ePP	26 23
	eS	33 13

Date and Station		Phase (GCT) h m s
Apr. 17, cont.		
LIN	eP	16 24 43
	ePP	28 17
	iS	35 35
	ePS	36 44
	e(SS)	40 52
	eSSS	45 16
	eL	48 44
LOG	iP	16 23 54
	e	24 42
	ePP	27 01
	e(PPP)	28 47
	eS	34 09
	iS	34 14
	eSS	39 23
	eSSS	43 04
	eL	47 59
NK	iPP	16 29 22
	e(SKS)	35 28
	iS	36 48
	ePS	38 19
	eSS	43 48
	eL	17 02 52
PHIL	eP	16 25 27
	e(P')	29 07
	iPP	29 32
	iPPP	31 39
	e	34 54
	iSKS	36 06
	eSKKS	36 38
	iS	37 05
	iPS	38 33
	ePPS	39 13
	eSS	43 49
	eSSS	48 37
	eL	56 30
PF	iP	16 24 07
	eS	34 32
SLC	eP	16 23 58
	ePP	27 02
	iS	34 20
	ePPS	35 30
	e(SS)	40 22
	eSSS	43 18
	eL	48 00

Date and Station		Phase (GCT) h m s
Apr. 17, cont.		
SJ	ePP	16 32 06
	ePKS	34 13
	eSKKS	38 02
	e(S)	40 15
	eSSS	52 45
	e	57 08
	eL	17 03 40
SIT	iP	16 21 54
	iPP	24 24
	iS	30 24
	iSeS	31 46
	iSS	34 20
	iL	36 56
TUC	iP	16 24 29
	i(PP)	27 39
	e	29 24
	eS	35 15
	iPS	36 25
	e	37 41
	eSS	41 23
	eSSS	45 39
	eL	48 10
UK	e(P)	16 23 25
	e(PP)	26 12
	iS	33 18
	eSS	38 22
	eSSS	41 18
	eL	43 41
Apr. 17		
PF	eP	18 56 04
TUC	iP	18 56 08
Apr. 18		
HUAN	eP	00 05 14
	e(S)	05 55
	eL	06 14
Apr. 18		
HH	iP	03 04 16
Apr. 18		
HH	i(P)	03 39 39

Date and Station		Phase (GCT) h m s
Apr. 18, cont.		
BER	eL	10 03 55
HH	eP	10 06 09
PF	eP	10 05 42
TUC	eP	10 05 16
	e	05 32
Apr. 18		
HH	iP	10 17 02
Apr. 18		
BER	e(P')	12 40 13
	ePP	43 36
	eSKS	47 37
	eSKSP	52 55
	ePKS	55 38
	eSS	13 01 41
	eSSS	07 04
	eL	19 25
T_L = 19 sec. $A_{max.}$ = 2.0mm.		
BC	ePP	12 38 28
BOZ	eSKS	12 44 49
	eS	46 13
	e(PS)	47 14
	eSS	53 41
	e(SSS)	57 05
	eL	13 03 05
BUR	e	12 37 41
	ePKS	42 25
	ePKS	53 11
	e(SS)	57 22
	eL	13 23 12
BUT	eSS	12 53 04
	eL	13 02 22
CHI	eSKS	12 46 42
	eS	48 27
	eSS	56 49
	eL	13 06 13

Date and Station		Phase (GCT) h m s
Apr. 18, cont.		
COL	eP	12 32 32
	eS	42 59
	ePKS	44 21
	eSS	49 12
	eSSS	52 36
	eL	53 36
COLU	ePKS	12 42 36
	eSKKS	48 14
	ePKS	53 44
	eSSS	13 04 24
	eL	14 20
HONO	e(S)	12 39 42
	eSS	44 18
	eL	47 32
T_S = 10 sec. A = 2.0mm.		
T_L = 18 sec. $A_{max.}$ = 3.5mm.		
HUAN	eP'	12 39 29
	e	41 05
	ePP	42 40
	ePKS	43 40
	e(SKS)	47 50
	ePKS	55 16
	eSS	13 01 39
	eL	19 40
HH	eP	12 33 55
LOG	e(P')	12 38 31
	ePP	39 12
	eSKS	44 44
	eS	46 12
	ePKS	49 10
	e(SS)	54 52
	eSSS	58 05
	eL	13 03 59
NK	ePKS	12 42 34
	e	13 08 23
	eL	22 18
PHIL	ePP	12 41 38
	ePKS	42 30
	eL	13 18 21

Date and Station		Phase (GCT) h m s
Apr. 18, cont.		
PF	e(P)	12 34 02
	ePP	38 27
	eSKS	44 47
SLC	ePP	12 38 51
	eSKS	44 50
	eTS	47 36
	eSS	53 46
	eL	13 05 31
SJ	eP'	12 39 48
	ePP	43 44
	eSKS	47 19
	eSKKS	50 53
	e	51 32
	eSS	13 02 50
	eSSS	09 27
	eL	21 43
SIT	iS	11 43 54
	e(SS)	48 56
	eL	57 14
TUC	eP	12 34 25
	eP'	38 28
	ePP	38 52
	e	39 40
	eSKKS	45 51
	eS	46 40
	e	48 24
	eSS	54 09
	e(SSS)	13 00 13
	eL	04 50
Apr. 18		
SH	e(P)	21 26 05
Apr. 18		
HH	eP	22 25 51
Apr. 18		
HH	eP	22 55 10
Apr. 19		
PF	iP	03 50 43
Apr. 19		
BC	iP	07 24 06

Date and Station		Phase (GCT) h m s
Apr. 19, cont.		
PF	eP	07 24 08
SH	e(P)	07 22 58
	e	23 41
Apr. 19		
HH	eP	10 23 37
Apr. 19		
HH	iP	10 56 00
Apr. 19		
HH	iP	16 23 25
Apr. 19		
HH	eP	21 02 06
Apr. 20		
BC	iP	02 17 13
	i	17 27
HH	iP	02 18 26.5
	iPP	19 55
	iPcP	20 38
	eS	24 27
	i	25 02
PHIL	e(S)	02 22 30
	eL	24 30
PF	iP	02 17 07
	i	17 27
	eL	26 55
SJ	ePP	02 17 12
	eL	21 12
SH	eP	02 18 14
	ePP	19 53
	ePcP	20 38
TUC	eP	02 16 27
	i	16 32
	i(PP)	16 52
	e	17 18
	eS	20 56
	eL	21 25

Date and Station		Phase (GCT) h m s
Apr. 20, cont.		
BC	iP	04 41 49
PF	iP	04 41 50
	e	43 27
SH	eP	04 41 40
	e	43 18
TUC	iP	04 41 50
	e	42 06
Apr. 20		
PF	e(P)	05 12 14
SH	eP	05 12 00
Apr. 20		
HH	iP	05 53 00
Apr. 20		
HH	eP	19 20 53
Apr. 20		
HH	iP	19 22 16
Apr. 20		
HH	iP	19 24 27
SH	iP	19 22 16
	i	24 27.5
Apr. 20		
SH	eP	20 53 29
Apr. 21		
HH	iP	00 18 00
Apr. 21		
HH	iP	01 10 09
SH	iP	01 10 07.5
	i	10 17.5
	e	13 06
Apr. 21		
BC	iP	02 35 57
	i	36 09

Date and Station		Phase (GCT) h m s
Apr. 21, cont.		
HUAN	eP	02 27 04
	e(S)	28 37
	eL	29 09
HH	iP	02 36 45
	i	36 58
PF	iP	02 35 55
	i	36 05
SH	eP	02 36 38
	e	36 50
TUC	eP	02 35 25
	e	35 37
Apr. 21		
SH	eP	02 43 37
	e	44 04
Apr. 21		
HH	eP	07 03 44
PF	e(P)	07 04 04
SH	e(P)	07 03 25
Apr. 21		
BC	iP	12 52 29
HH	iP	12 51 40
	i	52 10
PF	iP	12 52 31
SH	eP	12 51 41
	e	52 24
	e	53 06
TUC	iP	12 52 57
Apr. 21		
BER	eL	16 24 52
BC	eP	15 34 09
SH	e(P)	15 34 25

Date and Station		Phase (GCT) h m s
Apr. 21, cont.		
BH	iP	20 25 27
	iS	28 01
	eL	29 27
BER	iP	20 25 (49)
	iS	28 (18)
	iL	29 (43)
T_P = 23 sec. A = 17mm.		
T_S = 12 sec. A = 85mm.		
T_L = 14 sec. $A_{max.}$ = 80mm.		
BC	eP	20 30 06
	iP	30 08
	iPP	31 52
	i(PPP)	32 46
	eS	36 28
BOZ	eP	20 30 09
	iP	30 13
	ePP	31 51
	iS	36 32
	i	37 23
	i	38 24
	iSS	39 56
	iL	41 40
BUR	eP	20 27 29
	iP	27 34
	ePP	28 19
	e	29 42
	eS	31 42
	iL	32 04
BUT	eP	20 30 15
	e(PP)	31 34
	iS	36 44
	iSS	40 13
	iL	41 17
CHI	eP	20 27 48
	i	28 14
	iPP	28 36
	i	31 15
COL	eP	20 33 03
	e(PPP)	37 03
	iS	41 56

Date and Station		Phase (GCT) h m s
Apr. 21, cont.		
COL, cont.	e	20 42 52
	iScS	43 02
	eSS	46 14
	eL	49 16
COLU	eP	20 26 12
	e	26 46
	eS	29 28
	iS	29 30
	i	29 44
	iL	30 24
GC	iP	20 30 50
	iS	38 00
HONO	eP	20 34 27
	e(PP)	38 38
	i	41 06
	eS	44 32
	e	46 30
	eL	55 36
T_S = 16 sec. A = 7.5mm.		
T_L = 20 sec. $A_{max.}$ = 5.5mm.		
HUAN	eP	20 28 30
	iP	28 33
	i	29 00
	i	29 17
	i(PP)	30 00
	eS	33 35
	eL	34 54
HH	iP	20 30 27.7
	eS	37 04
	i	37 18
	iL	40 46
LIN	eP	20 28 30
	iP	28 33
	e	29 14
	iS	33 36
	i	34 08
	i	34 38
	iL	36 20
LOG	eP	20 29 54
	iP	29 56

Date and Station		Phase (GCT) h m s
Apr. 21, cont.		
LOG, cont.	eS	20 36 08
	iS	36 13
	i	36 25
	iL	39 15
MONT	e(P)	20 30 16
	e(S)	36 36
	eL	39 26
NK	iP	20 27 13
	iPP	27 34
	i(S)	31 28
PHIL	iP	20 26 48
	iS	30 48
PF	eP	20 29 59
	iPP	31 55
	iPPP	32 18
	eS	36 13
RC	eP	20 29 17
	iP	29 21
	i(S)	35 10
	iL	37 24
SLC	eP	20 29 54
	e	31 01
	ePP	31 34
	iS	36 16
	e	37 00
	i	37 38
	e	38 20
	iL	39 18
SJ	iP	20 22 54
SH	eP	20 30 54
	ePcP	32 13
	e(PP)	32 33
	ePPP	33 57
	eS	38 07
SIT	iP	20 32 23
	iPPP	36 16
	iS	40 37
	iScS	42 14

Date and Station		Phase (GCT) h m s
Apr. 21, cont.		
SIT, cont.	i	20 43 49
	iSS	44 24
	iL	46 46
TUC	iP	20 29 33
	i	29 47
	i	30 31
	iPP	30 58
	iPPP	31 24
	eS	35 26
	iS	35 28
	i	35 41
	iL	38 20
UK	eP	20 31 04
	ePP	33 06
	iS	38 21
	eScS	41 00
	eSS	42 08
	eL	43 20
Apr. 21		
BC	iP	20 40 25
PF	iP	20 40 13
SH	eP	20 41 13
TUC	iP	20 39 49
Apr. 21		
HUAN	eP	20 59 23
Apr. 21		
BH	iP	21 02 34
	iS	05 09
BC	iP	21 07 16
	iPP	09 00
GC	iP	21 08 01
	iS	15 07
HUAN	eP	21 05 38
	eS	10 52
HH	iP	21 07 38
	eS	14 21

Date and Station		Phase (GCT) h m s
Apr. 21, cont.		
LOG	iP	21 07 04
PF	iP	21 07 09
	iPP	08 35
SH	eP	21 08 04
TUC	iP	21 06 43
	i	07 05
Apr. 21		
BC	iP	21 14 30
HH	iP	21 14 51
	e	21 38
PF	iP	21 14 23
SH	eP	21 15 18
TUC	iP	21 13 57
Apr. 21		
BC	eP	21 34 28
HUAN	eP	21 32 50
HH	iP	21 34 48.5
PF	iP	21 34 19
SH	eP	21 35 16
TUC	iP	21 33 55
Apr. 21		
BC	eP	22 10 39
HUAN	eP	22 09 02
	eS	14 20
HH	iP	22 11 01.5
PF	iP	22 10 32
SH	eP	22 11 28
	i	11 36

Date and Station		Phase (GCT) h m s
Apr. 21		
TUC	iP	22 10 07
Apr. 22		
HH	iP	00 14 12
Apr. 22		
HH	iP	00 31 51
Apr. 22		
BH	iP	00 31 45
	eS	34 22
BER	iP	00 32 (03)
	iS	34 (33)
	i	34 (53)
	iL	35 (35)
T_P = 22 sec. A = 5.0mm.		
T_S = 12 sec. A = 42mm.		
T_L = 15 sec. $A_{max.}$ = 40 mm.		
BC	iP	00 36 22
BOZ	eP	00 36 27
	iPP	38 12
	eS	42 48
	iS	42 55
	i(ScS)	46 08
	eL	47 46
BUR	eP	00 33 42
	eS	38 15
BUT	eP	00 36 33
	eS	43 01
	eSS	46 24
	eL	47 44
CHI	eP	00 34 07
	ePP	35 04
	eS	38 36
	iS	38 42
	i	39 14
	iL	40 18
COL	eP	00 39 21
	ePPP	43 21
	eS	48 10

Date and Station		Phase (GCT) h m s
Apr. 22, cont.		
COL	e(ScS)	00 49 12
	eSS	52 32
	eL	55 12
COLU	eP	00 32 26
	eS	35 48
	eL	36 38
GC	eP	00 37 05
	iS	44 13
HONO	e(S)	00 51 12
	e	55 10
	eL	01 02 19
HUAN	eP	00 34 45
	i	35 13
	iPP	35 41
	i	37 05
	iS	39 50
	eL	41 00
HH	iP	00 36 42
	eS	43 30
LIN	eP	00 34 39
	ePP	35 50
	eS	39 53
	eL	41 31
LOG	eP	00 36 09
	i	36 15
	ePP	37 55
	iS	42 35
	eL	45 41
NK	e(P)	00 33 38
	i	33 53
	i(S)	37 39
	iL	40 39
PHIL	iP	00 33 05
	i	33 08
	iS	36 42
	i	37 09
	eL	38 09
PF	iP	00 36 13
	iPP	38 03

Date and Station		Phase (GCT) h m s
Apr. 22, cont.		
RC	eP	00 35 33
	e	36 22
	eS	41 21
	eL	43 37
SIC	eP	00 36 14
	e(PP)	38 02
	eS	42 20
	iS	42 36
	eL	45 24
SJ	iP	00 29 08
SH	eP	00 37 09
	i	37 18.5
	e	39 51
SIT	ePPP	00 42 18
	eS	46 50
	i	47 30
	iScS	48 26
	eSS	50 44
	eL	52 56
TUC	eP	00 35 48
	iP	35 54
	iPP	37 15
	eS	41 35
	iS	41 57
	e	42 50
	e	43 19
	iL	44 46
UK	eP	00 37 21
	ePP	39 14
	eS	44 30
	eScS	47 08
	eL	50 10
Apr. 22		
HH	iP	01 12 03
Apr. 22		
HH	iP	02 49 38
Apr. 22		
BC	eP	04 20 54
HH	iP	04 21 14.5

Date and Station		Phase (GCT) h m s
Apr. 22, cont.		
TUC	eP	04 20 22
Apr. 22		
HH	eP	04 34 14
	e	34 27
Apr. 22		
HH	iP	04 37 37
Apr. 22		
HH	eP	04 48 17
Apr. 22		
HH	eP	07 48 51
Apr. 22		
BER	eP	10 54 (38)
	eS	11 03 (13)
	e	05 (42)
	e	09 (34)
	eL	15 (04)
T_S = 15 sec. A = 1.7mm.		
T_L = 19 sec. $A_{max.}$ = 1.9mm.		
BC	eP	10 56 17
BOZ	e(P)	10 55 32
	eS	11 06 00
	ePKS	07 24
	eSS	11 21
	eSSS	15 06
	eL	18 03
BUR	e	10 55 45
	eS	11 02 30
	e(ScS)	03 22
	eSS	06 34
	eL	14 49
BUT	eS	11 06 02
	e	09 02
	e	10 45
CHI	eS	11 04 20
	eSS	09 12
	eSSS	12 33
	eL	17 08

Date and Station		Phase (GCT) h m s
Apr. 22, cont.		
COL	eS	11 04 24
	e	08 28
	e(SS)	09 53
	eSSS	12 39
	eL	16 20
COLU	eS	11 04 36
	eSSS	12 44
	eL	15 16
GC	eP	10 55 31
HONO	eL	12 13 12
HUAN	e	11 13 33
	e	20 56
	eL	25 04
HH	eP	10 55 16
	i	55 25
LIN	eP	10 55 13
	eS	11 05 25
	eSSS	14 20
	eL	20 09
LOG	e(P)	10 56 09
	eSKS	11 06 03
	eL	19 19
NK	eS	11 03 48
	eL	21 34
PHIL	e	10 55 13
	eS	11 03 12
	i	03 45
	e	06 35
	eSS	07 36
	eL	12 58
PF	eP	10 56 16
	e(PP)	59 33
RC	eP	10 55 20
	eS	11 05 36
	ePKS	06 40
	eSS	10 36
	eSSS	14 30

Date and Station		Phase (GCT) h m s
Apr. 22, cont.		
SIC	eS	11 06 22
	eKS	07 42
	e	10 48
	e	10 54
	eL	21 30
SJ	eS	11 04 16
	e	05 43
	eSSS	12 35
	eL	15 11
SH	e(P)	10 56 54
	e	57 54
SIT	eS	11 05 32
	ePKS	06 24
	e	09 33
	eSSS	14 24
	eL	20 12
TUC	eP	10 56 19
	e	56 29
	ePP	11 00 17
	eSKS	06 57
	eS	07 44
	e(KS)	09 02
	e(SS)	13 15
	eSSS	17 31
	eL	22 50
UK	eL	11 25 45
Apr. 22		
HH	e(P)	13 07 51
	iP	08 00
	i	08 30
	iS	08 47
Apr. 22		
BER	eP	13 12 (49)
	eS	15 (19)
	iL	16 (04)
BOZ	eS	13 23 31
	eL	26 52

Date and Station		Phase (GCT)
		h m s
Apr. 22, cont.		
BUR	e	13 15 27
	e(S)	19 26
	eL	21 54
BUT	eS	13 23 42
	eScS	27 07
	eL	28 17
CHI	eP	13 14 42
	e(PP)	15 20
	eS	19 20
	e	19 52
	eL	22 48
COLU	eS	13 16 28
	eL	17 40
HUAN	eP	13 15 31
	eS	20 45
	eL	27 19
HH	eP	13 17 25
LIN	e(P)	13 15 49
	e	17 06
	eS	20 15
	eL	22 45
LOG	eP	13 16 56
	eL	31 27
NK	eP	13 14 11
	eS	18 17
	eL	22 01
PHIL	eP	13 13 45
	e(PP)	14 27
	eS	17 39
	iS	17 47
	eL	19 30
PF	eP	13 17 06
SLC	eS	13 23 04
	eL	26 34
SJ	eP	13 09 56
	iS	10 30
	iL	10 45

Date and Station		Phase (GCT)
		h m s
Apr. 22, cont.		
SIT	eL	13 38 06
TUC	eP	13 16 31
	ePP	18 05
	eS	22 33
	eL	25 28
Apr. 22		
HH	eP	13 41 40
Apr. 22		
HH	iP	15 21 23
Apr. 22		
HH	iP	18 55 45
TUC	eP	18 57 21
Apr. 22		
HH	e(P)	20 11 51
Apr. 23		
HH	iP	05 49 55
Apr. 23		
HH	iP	09 48 01
Apr. 23		
HH	eP	10 45 52
Apr. 23		
BH	iP	11 53 45
	eS	56 20
BER	eP	11 54 (06)
	iS	56 (40)
	iL	57 (06)
PC	eP	11 58 22
BOZ	eP	11 58 24
	e(PP)	12 00 28
	eS	04 48
	e	07 20
	eSS	08 04
	eScS	08 21
	eL	10 40

Date and Station		Phase (GCT)
		h m s
Apr. 23, cont.		
BUR	eP	11 55 34
	iL	12 01 15
BUT	eS	12 05 02
	eScS	08 25
	eL	10 16
CHI	eP	11 56 06
	e(PP)	57 10
	eS	12 00 41
	iS	00 44
	i	01 16
	eL	02 25
COL	eS	12 10 13
	eSS	14 30
	eSSS	18 08
	eL	22 25
COLU	eP	11 54 24
	eS	57 44
	eL	58 40
HUAN	eP	11 56 45
	e	12 00 00
	iS	01 59
	eL	04 19
HH	iP	11 58 43.5
	eS	12 05 26
LIN	eP	11 56 44
	e(S)	12 02 21
	eL	06 07
NK	eP	11 55 29
	e	57 01
	e	58 24
	eS	59 38
	eL	12 02 56
PHIL	iP	11 55 04
	i	56 22
	i	57 25
	iS	59 01
	iL	12 00 13

Date and Station		Phase (GCT) h m s
Apr. 23, cont.		
PF	iP	11 58 12
	iPP	12 00 04
RC	eP	11 57 35
	e(PP)	59 30
	eS	12 03 21
	e	05 06
	eL	05 41
SLC	eP	11 58 02
	iS	12 04 30
	eL	07 30
SJ	eP	11 51 10
	iP	51 11
	i	51 19
	i	51 39
	iS	51 45
	iL	51 56
SH	eP	11 59 10
SIT	e	12 10 24
	eSS	13 16
	eSSS	15 00
	eL	19 40
TUC	iP	11 57 49
	iPP	59 17
	ePcP	59 40
	e	12 03 22
	eS	03 53
	e	05 36
	eSS	06 42
	eL	09 38
UK	e(S)	12 07 30
	eL	11 50
Apr. 23		
BC	e(P)	12 11 55
PF	iP	12 11 48
SH	eP	12 12 42
	e	13 40

Date and Station		Phase (GCT) h m s
Apr. 23, cont.		
TUC	eP	12 11 23
Apr. 23		
HH	eP	14 03 15
Apr. 23		
HH	eP	16 40 09
Apr. 23		
HH	iP	16 58 48
Apr. 23		
HH	iP	17 18 25.5
	i	18 50
Apr. 23		
HUAN	eP	17 19 13
	e	21 21
	eL	21 45
PF	iP	17 27 36
SH	iP	17 28 18.5
	e	28 50
TUC	iP	17 27 07
	e	27 24
	e	27 35
Apr. 23		
HH	eP	20 26 05
PHIL	eL	20 43 06
TUC	eP	20 23 55
	e	24 06
Apr. 24		
HH	eP	17 03 01
Apr. 24		
TUC	eP	21 18 22
Apr. 25		
HH	iP	00 19 36

Date and Station		Phase (GCT) h m s
Apr. 25		
HH	eP	01 16 48
Apr. 25		
TUC	eP	02 44 43
Apr. 25		
BC	eP	03 36 13
HH	iP	03 36 43
PF	eP	03 36 15
SH	e(P)	03 37 10
TUC	eP	03 35 49
Apr. 25		
HH	eP	07 04 14
	i	04 25
	i	04 48
	i	05 12
	i	05 16
Apr. 25		
SH	eP	09 12 57
	i	12 04.5
	i	12 30.5
	i	14 20.5
Apr. 25		
BC	iP	20 41 14
	iS	41 43
PF	iP	20 40 05
	iS	40 39
TUC	eP	20 41 07
	iP	41 14
	iS	42 38
	iL	42 55
Apr. 25		
TUC	eP	22 11 09

Date and Station		Phase (GCT) h m s
Apr. 26		
BC	iP	03 18 11
	ipP	18 26
HUAN	e(P)	03 10 07
HH	iP	03 18 59
	ipP	19 14
PF	iP	03 18 08
	ipP	18 24
SH	eP	03 18 49
	epP	19 05
TUC	iP	03 17 40
	i	17 48
	ipP	17 55
	i	18 15
Apr. 26		
HH	eP	06 34 33
Apr. 26		
BC	e(P)	09 35 21
HH	eP	09 34 14
PF	eP	09 35 15
SH	e(P)	09 35 35
TUC	eP	09 35 22
Apr. 26		
BC	eP	09 42 06
CHI	eP	09 39 30
	eS	45 14
	e	46 46
	eL	49 29
HH	iP	09 41 00
PF	eP	09 42 01
SLC	eP	09 41 33
	eS	48 53
	eL	57 05

Date and Station		Phase (GCT) h m s
Apr. 26, cont.		
SH	eP	09 42 11
TUC	eP	09 42 08
	iP	42 09
	e	42 18
	e	42 43
	eL	58 19
Apr. 26		
HH	iP	10 50 46.5
TUC	eP	10 51 55
Apr. 26		
BC	e(P)	11 33 25
HH	iP	11 33 46
PF	eP	11 33 18
TUC	eP	11 32 51
Apr. 26		
HH	eP	16 41 01
Apr. 26		
HUAN	eP	18 24 05
	eL	26 46
Apr. 26		
HH	iP	23 43 07.5
Apr. 27		
HH	eP	02 17 33
SJ	eP	02 10 06
	iS	10 45
	iL	10 56
SH	e(P)	02 18 01
TUC	iP	02 16 40
Apr. 27		
SH	e(P)	16 42 54
	e	43 26

Date and Station		Phase (GCT) h m s
Apr. 27, cont.		
BC	iP	20 24 03
	iS	25 06
SH	eP	20 23 30
	i	23 49.5
	iS	24 09.5
	iL	24 40
Apr. 27		
SH	eP	20 33 55
	e	33 58
	e(S)	34 52
	iL	34 55.5
Apr. 27		
SH	eP	20 54 21
	e(S)	55 16
	eL	55 29
Apr. 27		
SH	e(P)	21 01 27
	e	02 02
	e	02 27
Apr. 27		
SH	e(P)	22 47 50
	e	48 41
Apr. 28		
PF	e(P)	02 17 06
Apr. 28		
PF	iP	02 23 58
	i(S)	25 35
Apr. 28		
BC	eP	09 17 33
PF	eP	09 17 35
TUC	eP	09 17 42
Apr. 28		
BH	eP	12 05 37
	eS	08 33

Date and Station		Phase (GCT) h m s
Apr. 28, cont.		
BER	iP	12 06 26
	i	06 52
	i	07 18
	eS	10 17
	i	10 38
	eL	12 09
BC	iP	12 11 02
	ipP	11 23
	eScP	15 56
CHI	eP	12 09 02
	epP	09 26
	ePP	10 28
	eS	14 47
	iScP	14 49
	eScS	19 00
	eL	20 10
HUAN	iP	12 07 14
	ipP	07 35
	e(PP)	07 52
	e(PcP)	10 16
	eS	11 32
	eL	12 51
HH	iP	12 11 25.5
	ipP	11 54.5
	eS	19 11
	iScS	21 05
LIN	eP	12 09 33
	ePP	11 16
	eScS	19 26
PHIL	eP	12 08 05
	epP	08 24
	ePP	09 05
	eS	13 05
	iaS	13 48
	eL	14 48
PF	iP	12 10 58
	ipP	11 18
	iScP	15 52

Date and Station		Phase (GCT) h m s
Apr. 28, cont.		
RC	iP	12 10 24
	ipP	10 44
	ePP	12 20
	eS	17 25
	eL	21 24
SJ	eP	12 03 52
	iP	03 55
	i	04 03
	iS	05 16
	iL	05 50
SH	eP	12 11 47
	ipP	12 10
	ePPP	15 37
	iScP	16 24
	eScS	21 29
SIT	eP	12 13 03
	ePP	15 44
	eS	22 16
	e(eS)	23 02
	eL	31 11
TUC	iP	12 10 31
	i	10 44
	ipP	10 50
	ePP	12 35
	ePPP	13 15
	iScP	15 38
	e(S)	17 44
	e(ScS)	20 13
	eL	25 29
Apr. 28		
BC	eP	13 49 44
HH	iP	13 48 39
PHIL	eL	14 11 06
PF	iP	13 49 46
SH	eP	13 48 36
SIT	eL	13 48 08

Date and Station		Phase (GCT) h m s
Apr. 28, cont.		
TUC	eP	13 50 25
	i	50 36
	i	50 45
	e	52 17
Apr. 28		
HH	iP	20 52 00
SH	e(P)	20 52 26
Apr. 29		
HH	iP	00 45 34
Apr. 29		
BH	eP	03 11 06
	iS	11 31
Apr. 29		
HH	eP	03 50 58
SH	eP	03 50 09
TUC	eP	03 50 30
Apr. 29		
HH	iP	05 40 03
SH	e(P)	05 39 19
TUC	eP	05 37 57
Apr. 29		
SH	e(P)	07 00 39
Apr. 29		
HH	iP	08 07 52
	i	08 14
PF	i(P)	08 09 19
SH	eP	08 08 14
TUC	eP	08 09 58
Apr. 29		
BC	iP	15 26 15
	ipP	26 42

Date and Station		Phase (GCT) h m s
Apr. 29, cont.		
HH	iP	15 25 22
PF	iP	15 26 17
	ipP	26 44
SH	iP	15 25 22.5
TUC	iP	15 26 47
	ipP	27 15
	i	27 24
Apr. 29		
HUAN	e(P)	21 11 53
HH	iP	21 20 58
	i	23 03
SH	eP	21 20 55
TUC	iP	21 20 35
	e	21 12
	e	22 17
	e	23 58
Apr. 30		
HUAN	eP	02 03 29
	e(S)	04 46
	eL	05 05
Apr. 30		
PF	e(P)	02 37 45
Apr. 30		
HH	iP	04 20 15.5
PHIL	e	04 16 53
	e	20 30
	e	21 35
	eL	27 04
PF	e(P)	04 19 48
SJ	eP	04 12 48
	iS	13 26
	iL	13 44

Date and Station		Phase (GCT) h m s
Apr. 30, cont.		
SH	e(P)	04 20 42
TUC	iP	04 19 21
	e	19 36
	i	19 54
	e	20 55
Apr. 30		
HH	iP	04 44 29
PF	e(P)	04 43 42
SH	e(P)	04 44 23
TUC	eP	04 43 13
Apr. 30		
HUAN	eP	06 30 33
	e(S)	32 19
	eL	32 40
Apr. 30		
BC	e(P)	09 08 37
SH	e(P)	09 08 48
TUC	iP	09 07 47
Apr. 30		
HH	iP	10 48 55
	i(S)	49 14
Apr. 30		
HUAN	eP	12 10 50
	eS	12 38
	eL	13 14
HH	eP	12 18 27
PF	eP	12 17 24
TUC	iP	12 16 49
Apr. 30		
HH	e(P)	14 06 27

Date and Station		Phase (GCT) h m s
Apr. 30, cont.		
PF	e(P)	14 06 43
TUC	iP	14 06 26
Apr. 30		
HH	iP	15 03 44
May 1		
TUC	eP	01 03 08
May 1		
HH	iP	01 35 19.5
PF	eP	01 34 22
May 1		
HH	eP	01 51 21
May 1		
TUC	eP	07 49 22
	epP	49 40
May 1		
HH	iP	10 03 36
PF	eP	10 04 26
	e	04 40
May 1		
HH	eP	15 28 58
PF	eP	15 30 28
TUC	eP	15 30 50
	e	31 02
May 1		
TUC	eP	16 23 56
	e	24 22
May 1		
HH	iP	20 40 17
May 1		
BC	iP	22 52 10
	ipP	52 39

Date and Station		Phase (GCT) h m s
May 1, cont.		
GC	iP	22 50 54.5
HH	iP	22 51 10
	i	56 11
	eS	23 00 48
PF	iP	22 52 12
	ipP	52 41
SH	eP	22 51 15
	epP	51 44
SIT	eP	22 49 08
	e	50 26
	e(S)	54 32
	iS	54 40
	eL	57 22
TUC	iP	22 52 44
	ipP	53 13
May 2		
HH	eP	01 01 54
PF	eP	01 02 44
May 2		
BC	eP	07 48 37
	epP	48 57
HH	iP	07 48 03
PF	eP	07 48 38
	epP	48 58
SH	iP	07 47 55
	ipP	47 39.5
TUC	eP	07 49 22
	epP	49 40
May 2		
BH	eP	10 32 18
	iS	32 38
May 2		
HH	eP	11 26 55

Date and Station		Phase (GCT) h m s
May 2, cont.		
HH	iP	12 29 23
May 3		
HH	eP	00 27 33
May 3		
BC	eP'	12 19 35
HH	eP'	12 19 19
	iP'	19 21
PF	eP'	12 19 14
SH	eP'	12 19 33
	e	19 40
TUC	iP'	12 19 08
	i	19 14
	i	19 20
May 3		
HH	eP	13 43 48
HUAN	iP	13 38 19
	i	39 48
	iS	43 55
	i	44 01
	eL	48 35
PF	eP	13 42 41
SH	e(P)	13 43 12
TUC	eP	13 42 14
	e	42 20
	e	43 18
	e	44 06
May 3		
BC	eP'	14 02 34
HUAN	e(P)	13 54 34
	e(ScS)	14 05 03
	eL	13 12
HH	e(P')	14 02 37
	eP	02 44

Date and Station		Phase (GCT) h m s
May 3, cont.		
PF	eP'	14 02 32
	e	05 30
SH	eP'	14 02 46
TUC	iP'	14 02 26
	i	02 38
	i	02 48
May 3		
TUC	eP	17 03 20
	e	03 36
	e	03 52
May 3		
BC	eP	17 36 04
	e	36 19
HH	iP	17 35 07
PF	eP	17 36 06
	i	36 21
SH	eP	17 35 10
	i	35 24.5
TUC	iP	17 36 37
	e	36 46
	i	36 52
May 3		
HH	iP	18 25 53.5
May 3		
BH	eP	18 44 26
	iS	45 06
May 3		
TUC	eP	21 13 51
May 3		
HH	eP	21 27 46
	i(pP)	28 40
	i	30 30
PF	eP	21 27 36
	epP	28 21

Date and Station		Phase (GCT)
		h m s
May 3, cont.		
SH	eP	21 28 04
TUC	eP	21 27 33
	epP	28 15
May 4		
BC	eP	05 04 47
HH	iP	05 05 35
PF	iP	05 04 45
SH	eP	05 04 11
TUC	iP	05 04 17
	e	04 38
	e	04 50
May 4		
PF	eP	06 10 36
TUC	iP	06 10 37
May 4		
HH	eP	08 45 40
Mary 4		
BC	e(P)	08 51 31
PF	e(P)	08 51 35
TUC	eP	08 52 15
	i	52 27
	e(S)	53 36
	eL	53 55
May 4		
SJ	e(P)	08 58 28
	iS	59 12
	iL	59 16
May 4		
GC	e(P)	21 59 27
May 4		
GC	e(P)	23 40 36

Date and Station		Phase (GCT)
		h m s
May 4, cont.		
HH	iP	23 37 17.5
	eS	38 01
	eL	38 03
May 5		
HH	iP	05 24 57
	i	25 01
May 5		
BC	eP	06 18 08
HH	iP	06 18 23
PF	eP	06 18 06
TUC	eP	06 17 59
May 5		
PF	eP	08 15 30
May 5		
BC	eP	09 58 09
HH	iP	09 58 05.5
PF	eP	09 57 04
SH	eP	09 58 18
TUC	iP	09 57 50
	e	58 06
	e	58 18
	e	58 52
May 5		
SH	eP	17 16 00
May 6		
PF	e(P)	00 13 52
TUC	eP	00 13 27
May 6		
BC	iP	03 03 53
	epP	05 53
PF	iP	03 03 55
	epP	05 56

Date and Station		Phase (GCT)
		h m s
May 6, cont.		
SH	eP	03 03 42
TUC	iP	03 03 57
	e	04 30
	epP	05 57
May 6		
SH	e(P)	06 04 45
	e	04 43
May 6		
TUC	eP	08 30 44
May 6		
BC	eP	08 43 29
PF	eP	08 43 32
TUC	eP	08 43 30
	e	44 09
	e	44 33
May 6		
HH	iP	09 00 58
	i	00 59
SH	eP	09 00 56
	e	01 21
May 6		
PF	e(P)	13 56 11
TUC	iP	13 54 14
	e	54 38
May 6		
HH	iP	14 03 38
May 6		
BC	eP	22 13 11
GC	e(P)	22 11 30
HH	iP	22 11 49
	i	11 53
PF	iP	22 13 13

Date and Station		Phase (GCT) h m s
May 6, cont.		
SH	e(P)	22 12 07
TUC	iP	22 13 53
	e	14 13
	e	14 46
May 7		
HH	iP	03 17 36
May 7		
SH	eP	04 35 22
May 7		
BC	eP	05 44 38
HH	eP	05 43 34
PF	iP	05 44 41
SH	eP	05 43 39
	i	44 49
TUC	iP	05 45 20
	e	45 23
	i	45 47
May 7		
HH	iP	05 57 45
May 7		
HH	eP	08 17 53
HUAN	eL	08 32 33
PF	eP	08 16 57
SH	eP	08 17 18
TUC	eP	08 16 21
	e	16 28
	e	17 05
	e	17 45
May 7		
HH	eP	09 12 15
May 7		
BC	eP	10 28 33

Date and Station		Phase (GCT) h m s
May 7, cont.		
HH	eP	10 29 05
PF	eP	10 28 37
SH	eP	10 28 23
TUC	iP	10 28 39
	i	10 41
	i	10 47
	i	10 54
	e	29 35
May 7		
BUR	iP	12 03 20
	i	04 12
Felt in Montreal, Canada.		
HH	eL	12 15 09
PHIL	eP	12 05 03
	e	05 23
TUC	eL	12 19 09
May 7		
PF	e(P)	13 15 45
SH	eP	13 15 27
TUC	eP	13 15 48
	e	16 11
May 7		
HH	iP	15 09 46
May 7		
BH	iP	16 00 44
	iS	01 09
May 7		
HH	iP	18 06 43
	i	06 49
May 8		
GC	eP	00 46 53
HH	iP	00 46 36

Date and Station		Phase (GCT) h m s
May 8, cont.		
TUC	iP	00 44 38
	i	45 30
	e	48 22
	e	49 09
May 8		
BC	iP	02 57 32
	ipP	57 49
	iP'P'	03 25 14
COL	eP	02 53 55
	eS	59 49
	eL	03 03 38
GC	iP	02 56 26
	ePP	58 40
HH	iP	02 56 44
	i	57 43
	eS	03 04 59
	esS	06 30
	eP'P'	25 42
HUAN	iP'	03 05 37
	e	07 43
PHIL	iS	03 09 36
	eL	24 11
PF	iP	02 57 34
	i	57 51
SH	iP	02 56 41
	e	57 48
SIT	iP	02 54 51
	e(PcP)	56 02
	ePP	56 48
	eS	03 01 34
	i	01 42
	i	02 06
	e	04 14
	eL	05 15
TUC	iP	02 58 01
	ipP	58 20
	i	58 39
	i	59 16
	e	59 42

Date and Station		Phase (GCT) h m s
May 8, cont.		
TUC,cont.	ePP	03 00 44
	e	01 23
	e	01 48
	eL	21 20
	eP'P'	25 28
May 8		
BC	eP	04 26 36
HH	eP	04 27 49
HUAN	e(P)	04 24 05
	eS	29 32
	eL	32 15
PF	iP	04 26 35
SH	e(P)	04 27 09
TUC	iP	04 26 08
	i	26 13
	i	26 30
May 8		
BC	iP	06 56 24
HH	eP	06 57 56
PF	eP	06 55 52
	i	56 20
TUC	iP	06 56 28
	i	57 03
May 8		
BC	eP	07 31 22
SH	eP	07 31 13
	e	31 35
TUC	iP	07 31 23
	i	32 07
May 8		
BC	iP	08 41 55
HH	iP	08 41 00
	i	41 44

Date and Station		Phase (GCT) h m s
May 8, cont.		
PF	iP	08 41 57
SH	iP	08 41 06
TUC	iP	08 42 25
May 8		
GC	e(P)	10 27 13
HH	iP	10 21 01
	e	27 28
TUC	eP	10 23 27
May 9		
BER	ePP	02 29 43
	e	30 45
	eSKS	37 04
	e	38 13
	ePS	39 27
	ePPS	40 36
	eSS	45 05
	e(SSS)	49 33
	eL	56 12
T_L = 20 sec. $A_{max.}$ = 1.5mm.		
BC	eP	02 21 55
	i	22 11
	eS	32 42
BOZ	eP	02 21 40
	e(PP)	24 30
	eS	32 00
	iScS	32 25
	eSS	37 51
	eL	44 13
BUR	ePP	02 26 29
	e	30 03
	ePPS	35 27
	eL	49 25
BUT	eP	02 21 31
	e	21 44
	ePP	25 03
	e	26 03
	eS	31 51

Date and Station		Phase (GCT) h m s
May 9, cont.		
BUT	eScS	02 32 13
	i	32 29
	ePPS	33 17
	e	34 14
	eSS	37 16
	e(SSS)	41 03
	eL	43 27
COL	eP	02 18 59
	ePP	21 20
	ePPP	22 29
	eS	26 55
	i	27 20
	e	28 14
	e(SS)	30 28
	eL	32 26
COLU	eSKS	02 34 24
	eS	35 24
	eSS	42 56
	eSSS	47 11
	eL	52 26
GC	eP	02 21 06
	i	21 20
	eS	31 23
HONO	P	02 19 45
	e	20 54
	eS	28 04
	e	28 28
	eL	35 34
T_L = 16 sec. $A_{max.}$ = 2mm.		
HH	iP	02 21 18
	i	21 20
	i	21 29
	i	21 33
	eS	31 23
	e	31 48
	eeS	32 09
	iPKKP	39 56
	eP'P'	47 30
	eP'P'P'	03 07 57
HUAN	iP'	02 28 52
	iPP	32 35
	eSKS	35 51
	eSS	51 44
	e	52 47

Date and Station		Phase (GCT) h m s
May 9, cont.		
HUAN	e(SSS)	02 58 10
	eL	03 19 12
LIN	e(PP)	02 26 12
	eSKS	32 18
	eS	33 24
	e(PS)	35 13
	e	39 34
	eL	52 12
LOG	eP	02 21 43
	iP	21 47
	eS	32 11
	iS	32 13
	iScS	32 41
	eL	45 12
NK	e(SKKS)	02 34 02
	eS	34 48
	e	35 04
	eSS	42 04
	eL	03 06 02
PHIL	ePP	02 27 34
	iSKS	34 10
	eS	34 55
	e(PS)	36 47
	ePPS	37 20
	eSS	41 43
	eL	57 31
PF	eP	02 21 58
	i	22 57
	ePP	25 44
	eS	32 47
SLC	eP	02 21 53
	e	22 04
	e	24 28
	ePP	25 41
	eSKS	32 23
	iSKS	32 31
	iS	32 55
	e(PS)	33 26
	ePPS	34 51
	eSS	38 51
	eSSS	42 33
	eL	45 31

Date and Station		Phase (GCT) h m s
May 9, cont.		
SJ	eP'	02 29 24
	e	30 45
	ePP	31 32
	ePKS	33 26
	eSKS	37 04
	e	40 08
	e	40 32
	eSKSP	41 18
	ePS	41 50
	ePPS	42 54
	eSS	47 30
	e(P'P')	48 22
	eSSS	52 16
	eL	03 01 26
SH	eP	02 21 16
	i	21 31
	e	22 37
	eS	31 26
	e	31 48
SIT	iP	02 19 50
	i	20 02
	i(PcP)	20 26
	e	21 20
	e(PPP)	24 08
	iS	28 36
	i	29 02
	i	29 26
	i	29 48
	iScS	30 05
	i(SS)	32 56
	iL	36 37
TUC	eP	02 22 19
	i	22 20
	i	22 33
	i	22 50
	e	23 10
	iPP	26 12
	eSKS	32 25
	eS	33 30
	eiS	34 43
	ePPS	35 46
	eSS	40 32
	eSSS	44 20
	eL	49 06

Date and Station		Phase (GCT) h m s
May 9, cont.		
UK	e(P)	02 22 31
	eS	32 33
	e	32 45
	e(PS)	33 17
	e	34 25
	eSS	37 51
	e(SSS)	41 41
	eL	44 13
May 9		
BC	eP	08 27 31
BUR	eL	09 17 30
GC	eP	08 28 51
HH	eP	08 29 02
HUAN	eL	09 01 47
LIN	eL	09 00 18
PHIL	eL	09 10 11
PF	iP	08 27 30
SLC	e(S)	08 39 29
	eL	09 10 25
SH	iP	08 28 17.5
SIT	e(S)	08 39 34
	e	46 20
	eL	53 32
TUC	eP	08 28 30
	i	28 55
	e	29 18
	e	29 46
	e(S)	40 08
	ePPS	41 44
	e(SSS)	49 51
	eL	53 32
May 9		
HH	eP	09 58 40

Date and Station		Phase (GCT) h m s
May 9, cont.		
PF	eP	09 57 13
TUC	eP	09 58 15
	e	58 33
May 9		
TUC	eP	10 27 11
May 9		
BC	i(P)	12 41 24
SH	eP	12 40 32
TUC	eP	12 41 56
May 10		
BC	eP	07 52 46
PF	eP	07 52 35
May 10		
BC	iP	09 18 34
	ipP	19 21
GC	eP	09 18 00
	epP	18 47
	eS	27 44
HH	iP	09 18 14
	i	19 00
	i	19 45
	iS	28 14
	i	36 21
PF	iP	09 18 36
	ipP	19 22
SH	iP	09 17 56.5
	ipP	18 44.5
TUC	iP	09 18 55
	ipP	19 44
	i	20 03
	e	20 33
	e	20 47
	e(PP)	22 29
	epPP	22 47

Date and Station		Phase (GCT) h m s
May 10, cont.		
BC	eP	09 35 04
PF	eP	09 35 00
TUC	iP	09 34 19
	ipP	35 05
May 10		
HH	iP	17 28 07
May 10		
SJ	eP	19 57 14
	eS	58 12
	eL	58 24
May 11		
HUAN	eP	02 10 46
	eS	11 33
	eL	11 41
May 11		
BC	iP	03 09 11
GC	iP	03 09 09
HH	iP	03 09 23
PF	iP	03 09 15
	e	11 53
SH	iP	03 08 49
TUC	iP	03 09 23
	e	09 43
	i(pP)	09 50
	e	13 18
May 11		
HH	iP	09 05 42
May 11		
BH	iP	09 01 30
	iS	06 10
BER	iP	09 04 34
	ipP	04 52
	eP'	05 50

Date and Station		Phase (GCT) h m s
May 11, cont.		
BER	e(PPP)	09 07 48
	iS	11 37
	i	11 57
	e(sS)	12 26
	e	13 30
	iSS	15 26
	iL	17 20

T_P = 2 sec. A = .9mm.
T_S = 7 sec. A = 1.1mm.
T_L = 17 sec. $A_{max.}$ = 3.5mm.

BC	iP	09 06 38
	ipP	06 55
	i(PcP)	08 01
	iPP	09 11
	ePPP	10 34
	eS	14 28
	eP'P'	35 01
BOZ	eP	09 07 11
	epP	07 29
	i	07 45
	ePP	10 16
	iS	16 29
	isS	16 56
	esPS	17 36
	eSS	21 10
	eSSS	24 22
	eL	26 01
BUR	iP	09 06 04
	ipP	06 20
	e	07 34
	ePP	08 33
	e(PPP)	10 15
	eS	14 08
	i	14 18
	i(ScP)	15 52
	eSS	18 30
	iL	22 08
BUT	eP	09 07 08
	i	07 15
	e(pP)	07 32
	i(sP)	07 47
	e(sPF)	10 28

Date and Station		Phase (GCT) h m s
May 11, cont.		
BUT, cont.		
	eS	09 16 36
	e	17 07
	e	18 36
	eSS	21 24
	eL	25 22
CHI	iP	09 05 51
	ipP	06 07
	e	07 02
	ePPP	10 00
	iS	14 01
	isS	14 28
	i(ScP)	15 36
	i	16 08
	eL	20 36
COL	e(P)	09 11 30
	ePP	13 40
	eSKS	20 00
	e(S)	20 50
	epS	21 47
	ePKS	22 41
	eSS	27 30
	eSSS	32 01
	eL	36 19
COIM	eP	09 04 49
	epP	05 06
	e(PP)	06 38
	ePPP	08 16
	eS	12 06
	isS	12 34
	e	13 06
	e(ScP)	14 30
	eSS	16 06
	eL	17 18
GC	iP	09 07 41
	ipP	07 58
	eS	17 32
	eP'P'	34 57
HONO	i(PP)	09 13 52
	eS	19 33
	epS	20 03
	isKS	21 14

Date and Station		Phase (GCT) h m s
May 11, cont.		
HONO, cont.		
	e	09 22 10
	eSS	26 11
	eSSS	30 17
	eL	34 29
HH	iP	09 07 27
	i	07 28
	ipP	07 44
	eS	17 05
	e	17 37
	e(P'P')	34 39
HUAN	iP	08 57 30
	i	57 48
	iS	58 16
	iL	58 50
LIN	iP	09 06 06
	ipP	06 22
	iS	14 24
	i	14 40
	eL	21 44
LOG	iP	09 06 50
	ipP	07 07
	isP	07 25
	iPP	09 38
	epPP	09 52
	iS	15 58
	e(sS)	16 23
	eSS	20 21
	eL	25 10
MONT	iP	08 57 35
	iS	58 33
	iL	58 47
NK	eP	09 05 33
	e(PP)	08 40
	iS	13 35
	isS	14 02
	i(ScP)	15 26
	eSS	18 41
	eL	21 02

Date and Station		Phase (GCT) h m s
May 11, cont.		
PHIL	iP	09 05 27
	ipP	05 42
	iPcP	06 38
	iPP	07 58
	iPPP	08 31
	i	10 14
	eS	13 02
	i(sS)	14 00
	eScP	15 12
	eL	19 08
PF	iP	09 06 35
	ipP	06 52
	i	08 23
	eS	14 27
	e(P'P')	33 55
SIC	iP	09 06 52
	ipP	07 04
	isP	07 22
	i	07 36
	iPPP	11 16
	iS	15 49
	isS	16 16
	i	16 43
	i	17 40
	isSS	21 02
	eL	23 48
SJ	iP	09 02 38
	ipP	02 54
	i	03 37
	i(PcP)	04 25
	iS	08 04
	i	08 26
	iL	10 30
SEA	eP	09 07 46
	e	08 20
	e	08 48
	e(S)	17 44
	eSS	22 38
	eL	30 40
SH	iP	09 07 22
	ipP	07 39
	i	07 56

Date and Station		Phase (GCT)
		h m s
May 11, cont.		
SH, cont.	eS	09 16 56
	eP'P'	34 50
	epP'P'	35 08
SIT	e(pP)	09 09 06
	e	11 54
	e	12 46
	eSKS	19 14
	isS	19 44
	i(pS)	20 22
	ipKS	20 58
	i(sKS)	21 34
	eSS	25 57
	eSSS	29 50
	eL	33 08
	iP'P'	35 20
TUC	iP	09 06 05
	i	06 06
	ipP	06 22
	i	06 51
	iPP	08 23
	ipPP	08 35
	ipPPP	09 37
	eS	14 26
	i	14 38
	isS	14 53
	eSS	17 09
	esSS	18 43
	eL	20 10
UK	iP	09 07 25
	epP	07 41
	e	08 46
	ePP	10 05
	ePPP	12 23
	iS	16 59
	i(sS)	17 21
	e(sKS)	18 25
	eSS	22 09
	e(SSS)	26 48
	eL	27 57
May 11		
BC	iP	09 44 44
	ipP	45 06

Date and Station		Phase (GCT)
		h m s
May 11, cont.		
GC	e(P)	09 45 47
HH	iP	09 45 34
	i	45 51
	eS	54 25
HUAN	iP	09 35 42
	i(S)	36 49
LOG	eP	09 44 51
	iP	44 52
	i(pP)	45 08
PF	iP	09 44 41
	ipP	45 03
SH	iP	09 45 27.5
	ipP	45 50
TUC	iP	09 44 11
	i	44 18
	ipP	44 29
	e	46 18
	e	47 14
	eP'P'	10 13 19
	ipP'P'	13 36
May 11		
HH	iP	12 12 44
	i	12 54
SH	e(P)	12 13 42
	i	13 52
TUC	e(P)	12 13 44
	i	13 54
	e	14 15
May 11		
HUAN	eP	17 41 41
	eS	42 20
	eL	42 30
May 11		
BC	eP	20 49 54
	e(S)	51 31

Date and Station		Phase (GCT)
		h m s
May 11, cont.		
PF	eP	20 49 55
	e(S)	51 08
TUC	eP	20 49 12
	i	49 28
	i(S)	50 29
May 12		
BER	e(P)	01 12 13
	ePP	16 25
	e(S)	23 50
	i	24 02
	eKS	24 25
	ePKS	25 37
	iPKKP	27 20
	eSS	30 30
	eSSS	34 28
	e	36 23
	eL	39 18
T_L = 17 sec. $A_{max.}$=2.5mm.		
BC	eP	01 08 53
	i	09 14
	ePP	11 50
	eS	18 43
	e(PKKP)	25 03
	e(P'P')	33 22
BOZ	eP	01 08 47
	e	12 31
	iS	18 01
	i	18 23
	e(SaS)	19 27
	eSS	23 16
	e(SSS)	26 31
	eL	27 08
BUR	eP	01 11 12
	e	12 34
	ePP	14 53
	eSKS	21 49
	iS	22 04
	i	22 10
	eSS	28 26
	eSSS	32 00
	eL	35 14

Date and Station		Phase (GCT) h m s
May 12, cont.		
BUT	eP	01 08 51
	e	10 27
	ePP	11 49
	eS	17 51
	e(ScS)	18 21
	e	18 33
	eSS	23 16
	eSSS	26 16
	eL	30 43
CHI	eP	01 09 51
	eSS	12 59
	eS	20 22
	iS	20 32
	ePKS	21 55
	eSS	26 04
	eSSS	30 04
	e	30 31
	eL	32 44
COL	eP	01 05 31
	ePP	07 31
	e(PPP)	08 27
	eS	12 25
	iS	12 27
	i	12 44
	e(ScS)	15 02
	eL	16 19
COIB	ePP	01 14 34
	eSKS	20 58
	eS	21 48
	e	23 16
	eSS	28 48
	e(SSS)	32 43
	eL	37 26
GC	eP	01 07 57
	eS	16 51
HONO	eP	01 06 20
	iPPP	09 30
	iS	13 48
	i	14 02
	i	14 55
	iScS	16 21
	eSS	17 31
	eL	19 04

T_L = 18 sec. $A_{max.}$ = 6mm.

Date and Station		Phase (GCT) h m s
May 12, cont.		
HH	iP	01 08 13
	iS	17 25
HUAN	eP'	01 16 23
	iP'	16 24
	ePP	19 05
	iPP	19 15
	ePPP	21 51
	iSKSP	29 39
	eSS	36 27
	e	37 10
	iSSS	42 53
	eL	53 50
LIN	eP	01 09 (18)
	ePP	12 (46)
	eS	19 (47)
	i	19 (59)
	eSS	25 (28)
	eL	35 (11)
LOG	eP	01 08 40
	i	09 08
	ePP	11 42
	e(PPP)	13 42
	iS	18 22
	iScS	19 16
	eL	28 49
NK	eL	01 34 36
PHIL	ePP	01 11 22
	eS	18 03
	iS	18 29
	eL	32 33
PF	iP	01 08 56
	i	09 06
	iPP	11 53
	eS	18 48
	e(PKKP)	25 05
SIC	eP	01 08 48
	ePP	12 12
	eS	18 26
	iS	18 32
	i	18 46
	iScS	19 26

Date and Station		Phase (GCT) h m s
May 12, cont.		
SIC, cont.	e	01 20 34
	eSS	23 34
	e(SSS)	27 10
	eL	28 38
SJ	eP'	01 16 58
	ePP	18 38
	eSKS	23 33
	eS	25 46
	ePS	27 10
	ePKS	28 54
	eSS	34 22
	eSSS	39 46
	eL	46 54
SEA	ePP	01 09 36
	e(S)	17 32
	e(SS)	22 42
	eL	24 16
SH	eP	01 08 09
	e	10 00
	eS	17 18
SIT	eP	01 06 26
	i	06 38
	i(PcP)	07 16
	ePP	08 05
	ePPP	09 12
	eS	14 12
	iS	14 16
	i	14 51
	i	15 35
	iScS	16 20
	eSS	18 09
	eL	19 12
TUC	eP	01 09 20
	iP	09 29
	e(PPP)	15 19
	eS	19 25
	iS	19 31
	e(ScS)	20 26
	e	21 05
	eL	32 30

Date and Station		Phase (GCT) h m s
May 12, cont.		
UK	e(P)	01 09 09
	eScS	18 28
	e(SS)	23 48
	eL	27 36
May 12		
PF	iP	01 33 29
SH	eP	01 32 42
	i	32 49
	e	36 07
TUC	e(P)	01 33 52
	e	34 01
May 12		
BC	iP	01 54 21
HH	iP	01 55 10
MONT	eP	01 46 33
PF	iP	01 54 17
SH	eP	01 55 04
TUC	iP	01 53 48
	i	54 00
	i	54 11
May 12		
HH	iP	02 49 18
May 12		
HH	iP	02 55 50
May 12		
PF	e(P)	07 54 56
May 12		
TUC	eP	08 14 23
May 12		
HH	iP	11 25 25
May 12		
PF	eP	12 01 46
	eS	08 38

Date and Station		Phase (GCT) h m s
May 12, cont.		
TUC	iP	11 59 58
	e	12 05 46
	e	06 33
May 12		
BC	eP	12 10 18
PF	eP	12 10 08
TUC	eP	12 10 30
May 12		
PF	e(P)	12 44 21
TUC	iP	12 43 33
May 12		
BC	e(P)	13 23 50
PF	eP	13 23 54
	e(S)	31 38
TUC	iP	13 23 05
	e	23 29
	i	24 09
	e	28 53
	e	29 23
	e	29 41
May 12		
BC	eP	14 18 32
HH	iP	14 18 10
PF	eP	14 18 36
SH	eP	14 17 56
TUC	eP	14 18 58
May 12		
SH	iP	15 03 04
May 12		
BC	eP	16 23 46
PF	iP	16 23 45

Date and Station		Phase (GCT) h m s
May 12, cont.		
TUC	eP	16 22 48
	e	23 21
	e	23 41
May 12		
SH	eP	21 01 46
May 12		
BC	e(P)	23 26 30
PF	iP	23 26 32
SH	eP	23 25 11
TUC	eP	23 27 11
	e	27 24
	e	27 42
	e	28 37
May 12		
SH	eP	23 46 42
	e	47 12
May 13		
BH	e(P)	03 38 14
May 13		
HH	iP	15 03 56
TUC	iP	15 03 24
	e	04 11
May 13		
BC	e(P)	21 02 32
HH	eP	21 01 42
PF	e(P)	21 02 29
TUC	eP	21 02 55
May 14		
BC	e(P)	00 09 03
	e	09 53
HH	e(P)	00 04 49
	e	08 18

Date and Station		Phase (GCT) h m s
May 14, cont.		
PF	e(P)	00 09 59
SH	e(P)	00 08 45
	e	09 01
TUC	i(P)	00 09 11
	e	10 04
	i	10 25
	e	11 10
	e	12 22
	e	12 47
May 14		
HH	eP	06 04 59
May 14		
BER	e(PS)	13 46 15
	e	49 20
	eL	14 18 36
BC	eP	13 31 06
COL	eP	13 28 05
	ePP	30 10
	eS	34 46
	eScS	35 08
	eSS	37 38
	eL	38 44
HH	eP	13 30 19
	eP	30 25
PF	eP	13 31 08
SH	eP	13 30 22
	e	30 55
SIT	eP	13 29 03
	e	31 36
	eS	36 28
	e	37 18
	eScS	38 19
	eSS	40 20
	eL	41 42

Date and Station		Phase (GCT) h m s
May 14, cont.		
TUC	eP	13 31 33
	i	31 42
	i	32 13
	i	32 38
	eL	57 10
May 14		
HUAN	eL	14 24 02
May 14		
BC	eP	15 28 58
HH	iP	15 28 01.5
PF	eP	15 28 59
SH	eP	15 27 58
TUC	iP	15 29 33
	i	30 27
May 14		
BER	ePP	18 58 23
	e(S)	19 05 46
	ePS	07 23
	eSS	12 36
	eL	21 47
BC	eP	18 50 57
	i	51 09
BUR	eL	19 26 26
BUT	e(P)	18 51 25
	eS	59 12
	e	59 31
	eScS	19 00 23
	eL	09 09
COL	eP	18 47 24
	eS	53 29
	eL	56 09
HH	iP	18 50 09.5
PHIL	eS	19 03 08
	eL	26 47

Date and Station		Phase (GCT) h m s
May 14, cont.		
PF	eP	18 50 59
SLC	eL	19 19 41
SH	eP	18 50 07
SIT	eP	18 48 22
	eS	55 18
	eScS	58 13
	eL	59 00
TUC	eP	18 51 24
May 14		
BC	eP	19 09 45
HH	iP	19 08 56.5
PF	e(P)	19 09 46
SH	eP	19 08 54
May 14		
HUAN	e	19 45 52
	eL	51 00
SH	iP	19 52 56.5
TUC	eP	19 52 15
May 14		
BH	e(P)	22 43 46
BER	iP	22 43 45
	e	44 33
	ePP	46 35
	e	48 05
	eS	52 30
	iS	52 38
	i(ScS)	53 27
	iSS	56 29
	i	57 00
	eL	59 50

T_S = 6 sec. A = 8mm.
T_L = 18 sec. $A_{max.}$ = 27mm.

Date and Station		Phase (GCT) h m s
May 14, cont.		
BC	iP	22 38 54
	i	39 00
	i(pP)	39 20
	iPP	40 12
	iPPP	40 34
	eS	44 38
	i	45 04
BOZ	eP	22 38 26
	ePP	39 38
	ePcP	40 35
	iS	43 30
	eL	44 36
BUR	iP	22 42 11
	e(PP)	44 20
	iS	49 43
	iScS	51 57
	iSS	53 22
	eL	55 49
BUT	eP	22 38 15
	e	38 31
	e	38 44
	iPP	39 42
	ePcP	40 41
	eS	43 10
	i	43 16
	i	43 52
	i	44 09
	iL	44 25
CHI	eP	22 40 26
	e	41 07
	ePcP	42 25
	ePP	43 09
	iS	47 26
	i	47 43
	iScS	50 24
	iL	51 56
COL	iP	22 34 38
	i	34 58
	i	35 04
	iS	36 55
	iL	37 04

Date and Station		Phase (GCT) h m s
May 14, cont.		
COLU	eP	22 41 32
	ePPP	45 20
	eS	49 24
	iS	49 34
	iScS	51 25
	iSS	53 31
	eL	55 39
GC	eP	22 37 27
	iP	37 30
	eS	42 00
HONO	eP	22 38 23
	ePP	39 40
	ePPP	40 00
	iS	43 43
	eL	45 45
T_L = 12 sec. $A_{max.}$ = 8mm.		
HH	eP	22 37 49
	iP	37 56
	i	38 02
	ePcP	40 10
	e(S)	43 40
	i(P'P')	23 09 54
HUAN	iP	22 44 33
	iPP	48 27
	eSKS	55 48
	eSS	23 03 21
	eSSS	07 20
	eL	11 44
LIN	eP	22 39 54
	ePcP	41 22
	e(PPP)	43 24
	eS	46 14
	iS	46 22
	e	48 38
	iL	49 46
LOG	eP	22 38 33
	iP	38 38
	i	39 23
	iPP	40 00
	iPcP	40 40
	i	41 30
	eS	43 40
	iS	44 12
	iL	46 46

Date and Station		Phase (GCT) h m s
May 14, cont.		
NK	eP	22 41 06
	i	41 15
	e(S)	48 22
	eS	49 06
	eScS	50 48
	eL	23 00 20
PHIL	iP	22 41 27
	iPcP	42 04
	i	42 58
	ePP	43 31
	iS	49 16
	iScS	51 19
	iSS	53 09
	eL	57 01
PF	iP	22 38 57
	iPPP	40 56
	eS	44 39
SLC	eP	22 38 44
	i	39 00
	iPcP	40 37
	i	40 57
	iS	44 11
	iL	46 37
SJ	eP	22 43 42
	iP	43 49
	i	45 51
	ePP	46 46
	ePPP	48 40
	eS	53 26
	iS	53 32
	i	53 42
	eSS	58 18
	e(SSS)	23 01 20
	eL	02 20
SEA	eP	22 37 54
	eS	42 10
	i	42 20
	iL	42 42
SH	eP	22 37 47
	i	37 54
	i	38 48.5

Date and Station		Phase (GCT) h m s
May 14, cont.		
SH, cont.	eS	22 42 47
	iScP	44 37
	eL	45 24
	iScS	48 31
SIT	eP	22 35 12
	iP	35 13
	i	35 39
	iS	37 36
	iL	37 51
TUC	iP	22 39 35
	i	39 40
	iPcP	41 38
	iS	45 24
	i	45 54
	e	47 40
	eL	49 20
UK	e(P)	22 38 51
	iPcP	40 11
	e	41 11
	iS	43 54
	i	44 21
	iL	45 23
May 14		
HH	iP	23 01 51
	i	02 22
May 14		
SH	eP	23 09 56
May 15		
TUC	eP	00 01 46
May 15		
TUC	e(P)	00 31 23
May 15		
HH	eP	00 38 32
May 15		
HH	iP	00 41 26
TUC	e(P)	00 40 10

Date and Station		Phase (GCT) h m s
May 15, cont.		
BC	iP	02 48 58
	ipP	49 09
	iPcP	51 30
	e	54 59
BUR	eL	03 11 17
CHI	eP	02 51 25
	eS	58 22
	eL	03 00 46
COL	eP	02 44 48
	e	44 59
	eS	47 08
	eL	47 32
GC	e(P)	02 47 30
	eP	47 41
	eS	53 00
HH	iP	02 47 53
	i	48 04
LIN	eP	02 50 22
	eS	57 25
	e	58 20
	eL	03 00 08
PF	iP	02 49 00
	i(pP)	49 11
	iPP	49 54
SH	eP	02 47 51
	i	48 02
	iPcP	50 54.5
	eS	52 43
	e	53 49
	e	54 31
	e	58 26
	e	58 48
SIT	eP	02 45 22
	eS	47 48
	eL	48 04
TUC	iP	02 49 38
	i	49 49
	i	49 50

Date and Station		Phase (GCT) h m s
May 15, cont.		
TUC, cont.	i	02 50 46
	ePcP	51 27
	i	51 32
	i	51 46
	eS	55 24
	eL	57 49
May 15		
BH	iP	03 19 49
	iS	20 18
May 15		
BC	eP	03 52 26
HH	iP	03 51 22.5
PF	eP	03 52 30
	i	52 39
SH	eP	03 51 22
	e	51 30
TUC	eP	03 53 08
	i	53 20
	iPcP	55 04
	i	55 15
May 15		
BC	iP	05 43 57
	e(pP)	44 19
GC	e(P)	05 45 30
HH	iP	05 45 14
	i	45 23
PF	iP	05 43 14
SH	eP	05 45 01
	epP	45 19
TUC	iP	05 43 12
	ipP	43 31
	i	43 46
	i	44 05
	i	44 45
	e	47 37

Date and Station		Phase (GCT) h m s
May 15, cont.		
HH	eP	07 33 17
HUAN	eP	07 29 30
	e	30 03
	e(S)	31 28
	eL	32 02
May 15		
HH	eP	16 02 14
	i	04 08
	eS	04 26
May 15		
BC	eP	18 01 12
PF	eP	18 01 09
SH	eP	18 01 51
TUC	eP	18 00 46
	e	01 14
May 15		
BC	eP	18 16 59
PF	eP	18 16 58
SJ	eL	18 22 24
TUC	eP	18 16 34
May 15		
BC	eP	19 38 09
	e	41 25
PF	iP	19 38 05
	e	41 16
TUC	eP	19 37 25
May 15		
TUC	iP	21 54 55
May 15		
BC	eP	22 43 31
HH	iP	22 44 28.5

Date and Station		Phase (GCT) h m s
May 15, cont.		
HUAN	eP	22 36 39
	e	37 57
	eS	38 22
	eL	39 07
PF	eP	22 43 28
	e	44 40
SH	iP	22 44 23
TUC	iP	22 42 54
May 16		
HH	eP	06 49 39
	i	49 44.5
	i	49 47
	i	49 50
	i	49 53
	i	50 03
	i	50 16
	iS	50 22
	iL	50 33
May 16		
HH	eP	08 18 15
HUAN	eP	08 10 31
	eS	12 29
	eL	13 27
TUC	eP	08 16 41
May 16		
BC	e(P)	10 44 56
HH	eP	10 43 52
PF	iP	10 45 00
SH	eP	10 43 51
TUC	iP	10 45 37
	i	45 46
	i	47 33
May 16		
HH	iP	10 46 55

Date and Station		Phase (GCT) h m s
May 16, cont.		
BC	eP	11 02 26
PF	eP	11 02 30
SH	eP	11 02 21
TUC	eP	11 02 30
May 16		
HUAN	e(P)	17 55 16
	eS	18 00 27
	e	02 13
	eL	03 09
May 16		
PF	eP	19 16 18
SH	eP	19 15 19
TUC	iP	19 16 57
	e	18 52
May 16		
HH	eP	21 27 47
SH	eP	21 27 42
TUC	eP	21 28 59
	e	29 10
	e	29 41
May 16		
SH	iP	21 56 01
	eS	56 29
TUC	iP	21 55 02
May 17		
TUC	iP	04 39 15
	e	39 28
May 17		
BC	eP	10 19 21
PF	eP	10 19 24
SH	iP	10 19 05

Date and Station		Phase (GCT) h m s
May 17, cont.		
TUC	iP	10 19 29
May 17		
BC	e(P)	13 46 56
HH	eP	13 46 39
	i	47 04.5
PF	eP	13 46 38
	e	47 02
	e	47 41
SH	e(P)	13 46 13
	i	46 40.5
TUC	e(P)	13 46 51
	e	51 20
May 17		
HH	iP	14 20 40.5
May 17		
HUAN	eP	15 36 51
	e(S)	38 05
	eL	38 34
May 17		
BC	eP	16 58 10
PF	iP	16 58 14
SH	iP	16 57 56.5
TUC	iP	16 58 16
	i	58 32
May 17		
RER	e(P)	18 00 35
	e	00 54
	eS	09 25
	i	10 06
	eSS	14 10
	eL	17 50

T_L = 17 sec. $A_{max.}$ = 1.3mm.

Date and Station		Phase (GCT) h m s
May 17, cont.		
BC	iP	17 55 44
	e(PP)	56 49
	iPcP	58 06
	iPPP	57 24
	eS	18 01 29
	i	01 49
BOZ	eP	17 55 20
	eS	08 00 18
	eL	02 54
DUR	e(P)	17 58 59
	e	59 19
	eS	18 06 12
	eScS	08 40
	eSS	10 13
	eL	15 40
BUT	e(P)	17 55 13
	eS	18 00 18
	eL	01 46
COL	e(P)	17 51 29
	i	51 44
	e	52 16
	eS	53 28
	eL	53 52
COLU	eS	18 06 12
	e	06 32
	eScS	08 08
	eL	11 34
GC	eP	17 54 17
	ePcP	57 38
	eS	59 11
HONO	eP	17 55 17
	eS	18 00 37
	eL	02 54
HH	eP	17 54 38
	iP	54 40
	i	54 50
	i	57 44
	eS	59 55

Date and Station		Phase (GCT) h m s
May 17, cont.		
HUAN	eP	18 02 09
	iPP	05 55
	eSKS	12 32
	eS	13 24
	eSS	19 48
	eL	30 40
LIN	eP	17 56 26
	eS	18 02 51
	e	03 05
	eL	06 29
LOG	eP	17 55 22
	i	55 38
	e	56 29
	eS	18 00 48
	eL	03 02
NK	eP	17 58 19
	eS	18 05 24
	e	06 19
	eL	15 02
PHIL	iP	17 58 15
	iS	18 06 02
	e(ScS)	07 44
	eSS	09 53
	eL	13 06
PF	iP	17 55 46
	iPcP	58 06
	eS	18 01 32
SIC	eP	17 55 39
	e	55 47
	ePcP	57 20
	e	59 50
	eS	18 01 03
	eL	03 52
SJ	eP	18 00 33
	ePP	03 48
	ePPP	05 38
	eS	10 18
	iScS	11 00
	e	11 50
	eSS	15 53
	eSSS	19 05
	eL	20 54

Date and Station		Phase (GCT) h m s
May 17, cont.		
SEA	eP	17 54 16
	eS	58 09
	eL	58 44
SH	iP	17 54 47
	iPcP	57 42.5
	eS	59 29
	i(ScP)	18 01 19
	eL	02 28
	eP'P'	26 41
SIT	iP	17 52 02
	i	52 12
	i	52 48
	eS	54 23
	eL	54 40
TUC	iP	17 56 25
	i	56 26
	i	56 36
	i	56 41
	iPcP	58 21
	i	58 33
	i	59 13
	iS	18 02 47
	eL	05 40
UK	e(P)	17 55 56
	ePcP	56 36
	eS	18 00 46
	i	01 15
	eL	02 52
May 17		
SH	eP	19 35 03
	e	35 12
May 18		
HH	eP	10 46 36
SH	iP	10 44 16.7
	eS	44 34
May 18		
BC	iP	10 50 50
HH	iP	10 50 34

Date and Station		Phase (GCT) h m s
May 18, cont.		
PF	iP	10 50 52
SH	iP	10 50 14.5
	i	50 28
TUC	iP	10 51 09
	i	51 19
	e	55 06
May 18		
SJ	eP	12 48 38
	i	49 16
	iS	49 24
	iL	49 36
SH	iP	12 56 28
May 18		
SH	iP	16 57 05.5
May 18		
TUC	eP	17 51 41
	i	51 56
	e(S)	52 59
May 19		
HH	eP	06 13 02
SH	iP	06 13 09
TUC	eP	06 13 28
May 19		
SH	iP	06 31 06
	i	31 16
May 19		
HH	iP	07 14 15
SH	iP	07 14 08
	i	14 46.5
TUC	iP	07 13 58
	i	14 34
May 19		
HH	eP	07 40 52
	i	41 40

Date and Station		Phase (GCT) h m s
May 19, cont.		
PF	iP	07 40 26
	i	41 07
SH	iP	07 40 06.5
	e	40 49
TUC	iP	07 40 22
	i	41 08
May 19		
BC	eP	10 06 00
	e(S)	08 50
BUT	e	10 10 10
	eL	15 30
HH	iP	10 08 26
LIN	e	10 13 32
	eL	13 58
PHIL	eL	10 20 46
PF	iP	10 05 58
	e(S)	08 52
SLC	e	10 11 08
	eL	11 50
SH	eP	10 07 33
	i	08 05
TUC	iP	10 04 46
	i	05 20
	iS	06 36
	iL	06 44
May 19		
BC	eP	13 51 50
GC	iP	13 51 49
PF	eP	13 51 48
May 19		
TUC	iP	16 31 21

Date and Station		Phase (GCT) h m s
May 19, cont.		
HUAN	e(S)	18 26 23
	e	27 18
	e	28 27
	eSS	31 14
	eL	36 26
TUC	e(P)	18 22 20
	e	22 51
May 20		
SH	iP	02 25 38
May 20		
HUAN	eP	02 32 04
	eS	33 26
	eL	33 40
May 20		
HH	eP	07 22 50
PF	e(P)	07 24 13
SH	eP	07 23 56
TUC	eP	07 24 30
May 20		
BC	iP	08 43 02
HH	iP	08 43 50.5
PF	iP	08 43 00
SH	iP	08 43 44.5
	e	43 39.5
TUC	iP	08 42 30
	e	43 19
May 20		
TUC	eP	09 06 38
May 20		
BC	iP'	15 43 33
	e	45 07

Date and Station		Phase (GCT) h m s
May 20, cont.		
HH	iP'	15 43 24
PF	iP'	15 43 34
	i	45 08
SH	eP'	15 43 17
	i	44 20.5
TUC	iP'	15 43 42
	i	46 41
May 20		
HUAN	e(P)	18 29 18
	e(S)	34 27
	eL	36 31
May 20		
HH	eP	19 31 19
PF	e(P)	19 29 58
May 21		
SH	iP	08 26 19
May 21		
BC	e(P)	15 40 16
HH	eP	15 42 16
PF	iP	15 40 27
SH	eP	15 40 17
	eS	41 49
TUC	e(P)	15 40 59
May 21		
BC	e(P)	18 51 16
HUAN	eP	18 47 28
	iS	54 44
	i	59 37
	iL	19 01 32
PF	e(P)	18 51 19

Date and Station		Phase (GCT) h m s
May 21, cont.		
SH	eP	18 51 40
	i	51 50
TUC	eP	18 50 59
May 21		
BC	eP	20 03 45
HH	iP	20 04 38.5
HUAN	iP	19 53 52
	i(S)	55 04
	iL	55 32
PF	i(P)	20 03 42
SH	iP	20 04 31.5
TUC	iP	20 03 10
May 22		
TUC	iP	02 33 57
May 22		
HH	eP	05 20 48
	i	21 00
	e	31 16
May 22		
SH	e(P)	05 30 49
May 22		
HH	eP	05 40 31
May 22		
BC	eP	11 09 38
PF	e(P)	11 09 30
	i	09 41
SH	iP	11 08 32
TUC	eP	11 10 11
	i	10 20
	e	12 16

Date and Station		Phase (GCT) h m s
May 22, cont.		
PF	eP	12 09 11
May 22		
HUAN	e(P)	14 12 32
May 22		
BER	ePKS	19 45 25
	e(SS)	20 00 02
	e	03 10
	eL	14 10
BC	e(P)	19 35 23
	ePP	39 23
BUT	eL	20 08 04
COLU	eL	20 13 20
HONO	eL	19 51 36
HUAN	eP	19 35 22
	ePP	38 10
	e	39 02
	iS	45 47
	iPS	47 35
	eSS	52 49
	iSS	53 06
	eSSS	56 51
	eL	20 03 09
LIN	eL	20 11 20
PHIL	ePKS	19 44 04
	e(SSS)	20 06 33
	eL	26 28
PF	eP	19 35 31
	ePP	39 56
SJ	e(PKS)	19 43 47
	eSKS	47 28
	eSKKS	49 10
	e	50 43
	ePS	52 26
	ePPS	53 42
	eSS	58 36
	eSSS	20 03 28
	eL	10 38

Date and Station		Phase (GCT) h m s
May 22, cont.		
SLC	eL	20 04 58
SH	eP	19 35 26
	ePP	40 23
SIT	eSKS	19 46 36
	e(PPS)	51 26
	eSSS	20 00 20
	eL	06 28
TUC	eP	19 35 22
	ePP	39 40
May 22		
BC	iP	19 44 10
	i(pP)	44 34
	ePP	45 35
COL	e(P)	19 40 16
	eL	44 15
GC	iP	19 42 53.5
HH	iP	19 43 15
	i	45 10
	i(S)	48 50
PF	iP	19 44 14
	i(pP)	44 36
	iPcP	46 08
SH	eP	19 43 10
	i(pP)	43 32.5
	iPP	45 06.5
	i(ScS)	48 48
SIT	eP	19 41 03
	i	41 56
	eS	44 38
	eL	45 20
TUC	iP	19 44 47
	ipP	45 11
	isP	45 25
	iPcP	45 53
	epPP	47 12
	eL	20 04 45

Date and Station		Phase (GCT) h m s
May 22, cont.		
BC	iP	19 49 21
PF	eP	19 49 21
TUC	e(P)	19 49 40
	e	50 11
May 22		
BC	eP	19 54 21
May 22		
PF	e(P)	20 18 05
TUC	e(P)	20 15 20
May 22		
SH	eP	23 33 04
May 22		
TUC	e(P)	23 54 55
	e	55 54
May 23		
BC	iP	03 58 20
	epP	58 53
HH	iP	03 59 05
	i	59 39
PF	iP	03 58 17
	epP	58 52
SH	eP	03 58 56
	epP	59 31
TUC	eP	03 57 51
	epP	58 26
May 23		
BC	eP	04 25 11
HONO	eS	04 28 05
	eL	33 07

T_L = 17 sec. $A_{max.}$ = 3mm.

Date and Station		Phase (GCT) h m s
May 23, cont.		
HUAN	ePP	04 30 20
	ipPP	31 34
	eSKKS	37 13
	ePS	41 02
	isSS	47 08
	e(SSS)	52 20
	eL	58 40
PHIL	eL	04 40 19
PF	iP	04 25 15
	i	25 41
	iPP	28 51
SLC	e(P)	04 26 11
	e	28 52
	eSKS	35 49
	eS	36 20
	ePS	37 33
	eSS	42 33
	eSSS	46 24
	eL	50 01
SJ	ePPP	04 34 39
	eSPP	35 27
	eSKS	36 38
	eSKKS	37 42
	ePS	41 30
	ePSP	42 53
	eSS	47 48
	esSS	49 15
	e(P'P')	50 32
	e	51 48
	eSSS	52 56
	eL	05 01 54
SH	eP	04 24 52
	epP	25 15
	eS	35 09
SIT	e(pP)	04 25 36
	ePP	28 16
	eS	35 08
	i	35 21
	iPS	36 27
	i	36 47
	eSS	41 04
	eSSS	44 24
	eL	48 36

Date and Station		Phase (GCT) h m s
May 23, cont.		
TUC	iP	04 25 21
	i	25 50
	ipP	26 05
	i(pPP)	29 00
	eSKS	34 24
	ePS	36 10
	e	37 16
	eSS	42 19
	eL	54 17
UK	eS	04 35 59
	e	37 08
	eSS	41 40
	eL	47 34
May 23		
BC	iP	09 26 19
HH	iP	09 25 34
	e	25 39
PHIL	eL	10 09 41
PF	eP	09 26 21
SH	eP	09 25 40
	i	26 08
SIT	eL	09 45 12
TUC	iP	09 26 42
	i	26 48
	i	27 17
	e	28 29
	ePP	30 36
May 23		
HH	iP	09 35 24
May 23		
HH	iP	11 11 26
PF	e(P)	11 12 16
May 23		
BC	iP	12 13 12

Date and Station		Phase (GCT) h m s
May 23, cont.		
HH	iP	12 12 41
PF	iP	12 13 16
SH	iP	12 12 32.5
TUC	eP	12 13 36
May 23		
HH	eP	15 41 27
	e	41 49
May 23		
BC	eP	17 59 00
	e	59 09
PF	eP	17 59 03
SH	iP	17 58 03
TUC	eP	17 59 34
May 23		
BH	e(P)	19 48 18
	i	48 34
May 23		
BC	iP	20 19 34
	ipP	19 44
COL	eP	20 18 10
	e(S)	20 27
	eL	20 49
HH	iP	20 18 33
PF	iP	20 19 37
	ipP	19 47
SH	eP	20 18 28
	ipP	18 38
	i	19 15.5
TUC	iP	20 20 15
	ipP	20 25
	i	20 59
	i	21 16
	e	22 13

Date and Station		Phase (GCT) h m s
May 23, cont.		
PF	eP	22 55 35
SH	iP	22 55 19
TUC	iP	22 55 38
May 24		
BC	eL	10 22 15
TUC	iP	10 18 47
	i	19 03
	iS	20 17
	iL	20 25
May 24		
BC	iP	10 28 48
	i(pP)	28 58
PF	iP	10 28 51
SH	iP	10 27 42.5
	e	27 51
TUC	iP	10 29 29
	i	29 38
May 24		
BC	eP	10 39 19
	e(S)	40 02
PF	eP	10 39 24
	eS	40 24
TUC	eP	10 40 25
	eS	41 55
	eL	42 04
May 24		
BC	eP	10 45 59
	ePcP	48 19
HH	eP	10 44 50
	iP	44 54
	i	47 52
	i	48 03
	i	51 30

Date and Station		Phase (GCT) h m s
May 24, cont.		
PF	eP	10 45 53
SH	iP	10 44 45
	i	44 54
	ePcP	48 02
	iScP	51 30
TUC	eP	10 46 33
	i	46 42
	i	46 50
	iPcP	48 40
May 24		
BH	e	13 16 02
May 24		
TUC	eP	17 02 07
	i	02 24
	iS	03 12
	iL	03 20
May 24		
HUAN	eP	17 24 41
	e(S)	25 48
	eL	26 03
May 24		
PF	iP	19 05 37
May 24		
BC	iP	20 53 39
HH	iP	20 52 45
	i	52 55
	i	54 54
PF	iP	20 53 42
SH	iP	20 52 36.5
TUC	iP	20 54 16
	e	55 34
May 25		
HH	iP	00 26 11
TUC	eP	00 25 39
	e	25 56
	e	26 43

Date and Station		Phase (GCT) h m s
May 25, cont.		
HH	iP	00 42 01
PF	eP	00 42 38
SH	iP	00 41 55
May 25		
TUC	iP	02 48 56
May 25		
PF	eP	04 11 28
SH	eP	04 11 24
TUC	eP	04 11 40
	e	12 07
May 25		
BC	e(P)	07 26 32
	ePP	30 09
	e(PKKP)	41 35
	eL	08 15 02
BOZ	ePP	07 29 12
	e	29 30
	eSKS	36 03
	e(S)	37 47
	ePS	38 25
	ePPS	39 25
	eSS	44 28
	eSSS	48 47
	eL	54 46
BUR	ePP	07 31 11
	eSKS	36 11
	eS	37 20
	ePS	39 18
	ePPS	40 26
	e	41 28
	e	42 36
	eSS	45 30
	eL	57 29
BUT	ePP	07 29 13
	i	29 27
	e(PPP)	31 31
	eSKS	36 30
	eS	36 59
	e	37 39

Date and Station		Phase (GCT) h m s
May 25, cont.		
BUT, cont.		
	ePS	07 38 03
	ePPS	38 59
	eSS	43 03
	eSSS	47 05
	e	48 23
	eL	51 24
CHI	ePP	07 30 11
	eSKS	36 11
	e	37 21
	eS	38 03
	e(PS)	39 51
	eSS	45 57
	eSSS	50 21
	eL	56 19
COLU	ePP	07 31 25
	e	33 41
	eS	38 55
	ePS	41 11
	eSS	47 29
	eSSS	51 43
	e	55 23
	eL	08 03 44
HONO	e(P)	07 24 35
	eS	35 07
	eSS	41 41
	eL	48 25
T_S = 10 sec. A = 2.5mm.		
T_L = 18 sec. $A_{max.}$ = 6mm.		
HR	iP	07 24 52
	i	24 58
	iPP	28 19
	i	28 38
	e(S)	34 47
	eS	35 30
	i	41 55
	iL	49 48
HUAN	iP'	07 31 43
	iPKS	36 13
	i(SS)	57 17
	iL	08 16 34

Date and Station		Phase (GCT) h m s
May 25, cont.		
LIN	ePP	07 31 05
	e	32 20
	eSKS	36 28
	eS	37 56
	eSS	45 02
	e	54 42
	eL	58 50
LOG	eP	07 25 26
	ePP	29 44
	e	36 08
	eS	37 17
	ePS	38 18
	e(P'P')	49 52
	eL	58 12
NK	e(P')	07 29 37
	ePP	30 51
	eS	38 36
	eSSS	50 23
	e(SKPP)	54 02
	eL	08 04 13
PHIL	e(P')	07 29 21
	ePP	30 54
	eSKS	36 42
	eS	38 20
	e(PS)	39 30
	e(PPS)	40 39
	eSS	45 51
	eL	08 08 00
PF	e(P)	07 26 22
	eP'	30 06
	ePKIP	41 32
	eL	08 10 03
SLC	ePP	07 29 44
	e(SKS)	36 19
	eS	37 30
	ePS	39 20
	eSS	45 06
	eSSS	49 06
	e	50 35
	eL	53 36

Date and Station		Phase (GCT) h m s
May 25, cont.		
SJ	eP'	07 30 54
	ePP	32 41
	iPP	33 06
	e	33 10
	ePKS	34 15
	e	34 16
	eSKS	37 20
	e	38 38
	eSKSP	42 14
	e	47 24
	e(PPS)	49 08
	eSS	55 22
	eSSS	08 00 28
	eL	09 50
SEA	e(PP)	07 27 31
	ePS	36 42
	ePPS	37 56
	eL	50 06
SH	eP	07 25 11
	e	25 23
	i	25 40.5
	ePP	29 07
	eSKS	36 05
SIT	eP	07 23 40
	iP	24 00
	e	26 19
	iPP	27 10
	i	27 38
	eS	33 55
	i	34 12
	iSeS	34 38
	i	35 48
	eSS	39 28
	eSSS	42 38
	eL	43 42
TUC	e(P)	07 26 23
	eP'	29 47
	iP'	30 04
	ePP	30 54
	e	33 21
	eSKS	36 42
	eS	38 23

Date and Station		Phase (GCT)
		h m s
May 25, cont.		
TUC, cont.	e	07 38 44
	ePS	40 42
	ePKKP	41 07
	ePPS	41 25
	eSS	47 03
	eSSS	51 22
	eL	57 36
UK	e(P)	07 25 34
	ePP	30 12
	eSKS	36 32
	e	37 08
	eS	37 32
	ePS	38 44
	ePPS	39 37
	eSS	44 12
	eSSS	48 12
	eL	53 28
May 25		
PF	iP	12 02 18
SH	eP	12 01 56
TUC	iP	12 02 25
May 25		
BC	eP	12 37 05
HH	iP	12 37 25
PF	iP	12 36 59
SJ	eP	12 29 40
	iS	30 34
	iL	30 39
SH	eP	12 37 53
TUC	eP	12 36 40
	e	36 44
May 25		
BC	iP	15 16 06
	eL	21 06
BOZ	e(P)	15 15 54
	eS	18 50

Date and Station		Phase (GCT)
		h m s
May 25, cont.		
BOZ, cont.	e	15 19 00
	eL	20 14
BUT	e(P)	15 16 17
	eS	18 09
	eL	18 31
GC	iP	15 14 55
HONO	ePcP	15 22 03
	eL	27 20
HH	iP	15 15 36
	eL	19 00
LIN	eP	15 18 35
	eS	22 51
	eL	25 28
LOG	eP	15 15 54
	e	16 00
	eS	18 12
	eL	19 00
PHIL	eS	15 26 30
	eL	29 24
PF	iP	15 16 10
	eL	20 50
SLC	e(P)	15 15 54
	eS	18 28
	eL	18 50
SEA	e(P)	15 15 37
	eS	17 06
	eL	17 22
SH	iP	15 14 16
	eS	15 35
	eL	17 55
SIT	iP	15 16 31
	eS	19 22
	eL	20 03
TUC	iP	15 17 09
	i	17 22

Date and Station		Phase (GCT)
		h m s
May 25, cont.		
TUC, cont.	i	15 17 31
	i	17 58
	eS	20 13
	eL	20 43
UK	eP	15 15 30
	e(S)	16 48
	eL	16 56
May 25		
HH	eP	16 34 03
May 25		
BC	eL	17 52 15
HH	eP	17 40 00
SLC	e(P)	17 40 08
	eL	41 10
SH	eP	17 40 11
May 25		
HH	iP	18 56 47
	i	57 03
SIT	eL	19 25 52
May 25		
SJ	eP	23 19 36
	eS	20 22
	iL	20 30
May 26		
HH	eP	01 49 17
	iP	49 21
	e	49 49
	iS	49 55.5
PF	e(P)	01 50 29
SH	eP	01 50 33
TUC	iP	01 50 27
May 26		
BER	e	09 37 07
	e	41 10
	eL	44 00

Date and Station		Phase (GCT)
		h m s
May 26, cont.		
BC	iP	09 23 34
	i	23 43
	ePcP	25 36
BOZ	eP	09 23 00
	eS	27 38
	iS	27 40
	eL	30 16
BUR	eP	09 25 26
	e(PP)	28 46
	eS	33 56
	iSS	36 34
	e	37 22
	eL	41 16
BUT	eP	09 22 40
	ePP	24 34
	eS	27 19
	i	27 26
	i	27 48
	eL	29 12
COL	eP	09 19 05
	eS	21 01
	eL	21 13
COLU	eS	09 33 43
	eScS	36 02
	eSS	37 34
	eL	39 07
GC	e(P)	09 21 55
	eS	26 13
HONO	e(PcP)	09 26 37
	eL	32 16
HH	iP	09 22 21
	eS	26 52
NK	eP	09 25 45
	ePP	27 43
	eS	32 50
	eScS	35 35
	eL	42 45
PHIL	iS	09 33 28
	eScS	35 49
	eSS	37 07
	eL	41 34

Date and Station		Phase (GCT)
		h m s
May 26, cont.		
PF	iP	09 23 36
	i	23 52
	iL	32 22
SLC	eP	09 23 22
	eS	28 26
	e	29 40
	eL	30 18
SJ	eP	09 28 32
	e	30 26
	ePP	31 34
	eS	37 54
	e(ScS)	39 32
	eSS	43 07
	eL	47 00
SEA	eP	09 21 37
	eS	26 26
	eL	27 06
SH	iP	09 22 27.5
	i	22 37
	ePcP	25 10
	eS	27 00
	e	27 14
	eScP	29 49
SIT	eP	09 19 21
	i	20 14
	iS	21 10
	iL	21 21
TUC	iP	09 24 12
	i	24 32
	iPP	25 13
	e(PcP)	26 31
	e	26 47
	eS	30 13
	e	30 34
	eL	33 16
UK	e(P)	09 23 32
	eS	28 15
	e	28 28
	eL	29 46
May 26		
HH	iP	09 29 32

Date and Station		Phase (GCT)
		h m s
May 26, cont.		
HH	iP	13 54 17
May 26		
BC	e(P)	14 02 19
BOZ	e(P)	14 04 40
	eS	08 22
	eL	12 34
BUT	e(S)	14 08 18
	eL	13 26
HH	i(P)	14 04 12
PF	e(P)	14 02 18
SLC	e(P)	14 02 56
	e	07 10
	eL	08 56
SEA	eL	14 06 36
SIT	e(P)	14 03 36
	e	12 36
	eL	20 34
TUC	iP	14 01 19
	i	01 38
	i	01 50
	i	02 13
	i	02 25
	eS	03 58
	eL	04 06
May 26		
PF	eP	17 20 28
May 26		
BC	iP	19 35 54
	i	36 01
	iS	36 33
PF	iP	19 36 05
	i	36 15
	iS	36 59
SH	eP	19 37 23
	e	37 58
	i	38 16.5

Date and Station		Phase (GCT) h m s
May 27, cont.		
TUC	eP	04 09 54
May 27		
PF	eP	06 22 41
TUC	eP	06 22 02
May 27		
BC	eP	06 38 43
HH	eP	06 37 58
PF	eP	06 38 42
	i	45 59
SLC	e(S)	06 39 23
	eL	41 16
SH	eP	06 36 53
TUC	eP	06 39 39
	e	39 51
May 27		
HH	iP	07 45 10.5
TUC	eP	07 44 59
	i	46 06
May 27		
TUC	eP	10 32 22
May 27		
SIT	eL	11 11 50
May 27		
SH	eP	14 55 41
	i	55 57
May 28		
BH	iP	05 41 05
BC	iP	05 46 20
	ipP	46 34
	iPP	48 13
HH	iP	05 47 16.5
	eS	56 16

Date and Station		Phase (GCT) h m s
May 28, cont.		
HUAN	iP	05 36 43
PF	iP	05 46 18
	ipP	46 32
SJ	eP	05 42 27
	ePP	43 28
	e(PcP)	44 13
	eS	47 52
	iS	47 55
	eL	49 34
SH	iP	05 47 07
	ipP	47 21.5
	i	48 26.5
	e	49 25
	e(S)	57 00
	eP'P'	06 15 25
SIT	eP	05 48 50
	e	49 08
	eS	59 03
	iS	59 12
	e	59 36
	e	06 07 14
	eL	11 16
TUC	iP	05 45 44
	ipP	45 59
	i	46 05
	iPcP	46 48
	iPP	47 39
	e(PPP)	49 36
	eS	53 32
	eScS	55 26
	eL	58 42
May 28		
HH	eP	06 15 15
May 28		
TUC	iP	07 12 34
	e	13 15
May 28		
HH	eP	10 52 04
PHIL	e(P)	10 46 35
	e	46 53
	eL	53 42

Date and Station		Phase (GCT) h m s
May 28, cont.		
PF	eP	10 51 40
SJ	eP	10 44 24
	iS	45 07
	iL	45 12
SH	eP	10 52 42
TUC	eP	10 51 21
	e	51 47
May 28		
SIT	eL	14 41 03
May 28		
HH	iP	14 55 42
	i	55 56
TUC	eP	14 56 58
	e	57 07
May 28		
HUAN	iP	15 39 54
May 28		
BH	eP	17 02 23
	i	03 09
May 29		
TUC	eP	00 00 46
	e	01 14
	e	01 30
May 29		
SH	eP	04 58 23
	i	59 04
May 29		
BC	i(P)	05 01 48
HH	iP	05 00 51.3
	ipP	01 26
PF	iP	05 01 17
	i	01 56
SH	eP	05 01 38
	e	01 03

Date and Station		Phase (GCT) h m s
May 29, cont.		
TUC	eP	05 01 11
	ipP	01 57
	e	02 33
	e(PP)	05 51
May 29		
PF	eP	05 37 23
SH	eP	05 36 29
	e	36 43
TUC	iP	05 38 30
	i	38 39
	i	39 12
May 29		
HUAN	iP	12 40 45
May 29		
COL	eL	14 34 16
HH	eP	14 14 50
SH	eP	14 15 08
May 29		
HH	iP	19 03 13
PF	iP	19 05 09
SH	e(P)	19 03 54
	i	04 03
TUC	eP	19 05 48
May 29		
PF	eP	20 18 21
SLC	e(S)	20 26 10
	eL	28 28
TUC	eP	20 17 21
	e	18 21
	eS	21 32
	eL	22 04
May 30		
TUC	eP	14 19 56
	i	20 38

Date and Station		Phase (GCT) h m s
May 30, cont.		
SH	eP	20 06 05
May 31		
BHT	e(S)	03 19 28
	eL	20 20
GC	iP	03 16 18
	e	17 43
HH	iP	03 16 59
	i	19 36
	eS	22 15
PHIL	eL	03 34 15
PF	eP	03 17 34
SLC	e(S)	03 19 23
	eL	20 30
SH	eP	03 15 40
	i	15 51
	i	16 37
	i	17 16
SIT	e(P)	03 18 06
	eS	21 25
	eL	22 12
TUC	eP	03 18 34
	i	18 42
	i	18 46
	e	20 56
UK	e(S)	03 18 10
	eL	18 42
May 31		
BC	eP	07 01 18
COL	eL	07 00 32
PF	iP	07 01 24
SH	e(P)	06 59 15
	i	59 27
SIT	eL	07 02 16
TUC	iP	07 01 02
	i	01 26

Date and Station		Phase (GCT) h m s
May 31, cont.		
IT	eP	08 23 40
May 31		
PG	iP	08 35 49
	ipP	37 07
HH	iP	08 36 27
	e	40 17
PF	iP	08 35 57
	ipP	37 14
SH	iP	08 35 44.5
	ipP	37 02.5
TUC	iP	08 35 55
	i	36 12
	ipP	37 12
	i	37 53
May 31		
HH	iP	10 22 25
TUC	eP	10 24 19
	e	24 26
May 31		
HH	iP	15 05 14
	e	05 23
PF	iP	15 06 46
SH	eP	15 06 09
TUC	iP	15 07 13
May 31		
HH	iP	18 13 52
	i	15 22
May 31		
BC	iP	19 30 44
COL	e(S)	19 27 07
	eL	30 45
May 31		
HH	eP	19 30 02
PF	eP	19 31 02

Date and Station		Phase (GCT) h m s
May 31, cont.		
SH	eP	19 29 56
	i	29 58.5
	i	30 38.5
SIT	eL	19 37 31
TUC	iP	19 31 36
	i	31 38
	i	32 33
May 31		
HH	iP	22 16 19
June 1		
SH	e(P)	02 58 07
June 1		
TUC	eP	03 39 26
June 1		
BC	eP	10 10 18
PF	iP	10 10 27
SH	iP	10 10 12.5
TUC	iP	10 10 29
	i	10 38
	i	10 47
	i	11 22
June 1		
BER	eSS	19 37 21
	eL	20 08 06
BC	eP'	19 15 20
	ePKS	19 23
BOZ	ePP	19 17 10
	e	19 37
	eSS	34 12
	eL	56 22
BUT	eL	19 59 07
HUAN	eP'	19 16 23
	ePP	21 22
	eSS	42 24
	eL	20 10 11

Date and Station		Phase (GCT) h m s
June 1, cont.		
PHIL	e	19 12 52
	e	16 19
	e(PP)	18 34
	eSS	35 49
	eL	20 02 34
PF	eP'	19 15 24
	iPP	18 02
SLC	eL	20 02 18
SH	eP'	19 15 09
SIT	eL	19 48 21
TUC	eP'	19 15 23
	ePP	18 59
June 2		
BER	eL	13 54 07
BC	iP	13 44 55
	eL	57 00
BOZ	eP	13 45 44
	ePP	47 05
	eS	51 13
	eL	52 27
BUT	eL	13 59 10
CHI	e	13 45 28
	eS	49 27
	eL	50 39
PF	iP	13 44 53
HUAN	eP	13 45 29
	eS	50 46
	eL	52 31
LOG	eS	13 50 28
	eL	55 36
PHIL	eL	13 51 41
SLC	eP	13 45 08
	e	50 05
	eS	50 35
	eL	52 03

Date and Station		Phase (GCT) h m s
June 2, cont.		
SJ	ePP	13 45 12
	eS	49 20
	eL	50 40
SH	eP	13 45 56
	i	46 07.5
	iPcP	48 26.5
SIT	eL	14 09 30
TUC	iP	13 44 10
	i	44 21
	i	44 50
	eS	48 31
	eL	49 26
UK	eL	13 57 36
June 2		
HUAN	eP	22 31 41
	eS	32 12
	eL	33 07
TUC	iP	22 38 58
June 3		
SH	e(P)	03 58 08
June 3		
HUAN	iP	19 45 41
June 4		
BC	eP	07 28 14
	e	28 35
PF	eP	07 28 17
	eS	28 45
TUC	iP	07 28 02
	i	28 17
	iL	29 09
June 5		
HUAN	eP	22 44 50
PF	i(P)	22 32 42
SH	e(P)	22 31 32
TUC	iP	22 33 18
	i	33 25

Date and Station		Phase (GCT) h m s
June 6		
MONT	eL	00 18 06
June 6		
BER	eL	08 04 54
BC	eP	08 05 44
PF	eP	08 05 39
SJ	eP	07 58 41
	eS	59 24
	iL	59 28
TUC	eP	08 05 13
	e	05 35
June 6		
BC	eP	17 26 19
PF	iP	17 26 23
TUC	iP	17 27 00
	i	27 10
	e	27 13
June 6		
PF	iP	21 36 06
SH	eP	21 35 46
TUC	iP	21 36 09
June 7		
PF	iP	03 36 14
SH	eP	03 35 09
	i	37 11
	e	37 50
TUC	iP	03 36 47
	i	36 55
	i	37 37
	i	39 30
	e	41 16
June 7		
PF	eP	13 18 06
	e(S)	19 01

Date and Station		Phase (GCT) h m s
June 7, cont.		
SH	e(P)	13 18 49
TUC	eP	13 17 22
	i	17 34
	i	18 15
June 7		
BC	iP	15 06 21
	eS	07 02
PF	eP	15 06 15
	eS	06 59
SH	eP	15 06 36
	e	07 42
TUC	eP	15 07 25
June 8		
BC	eP'	03 32 47
	ePP	38 18
PF	eP'	03 32 46
	ePP	38 01
SH	eP'	03 32 43
TUC	eP'	03 32 44
	ePP	38 17
	eSS	04 00 48
June 8		
BC	iP	04 01 29
HUAN	eP	03 57 26
	e	04 01 45
	eL	02 00
PF	iP	04 01 26
SJ	eP	03 58 17
	ePP	59 17
	eS	04 02 23
	eL	03 26
TUC	iP	04 00 48
June 8		
BC	eP	11 08 08

Date and Station		Phase (GCT) h m s
June 8, cont.		
PF	eP	11 08 12
SH	eP	11 07 58
	i	08 07
TUC	iP	11 08 14
	i	08 23
June 8		
SH	eP	12 07 18
June 8		
COL	eL	22 19 56
PF	e(P)	22 21 31
SH	eP	22 20 23
SIT	eL	22 19 28
June 9		
BC	iP	02 22 28
PF	iP	02 22 30
SH	eP	02 21 27
TUC	iP	02 23 05
	i	23 14
	e	23 18
June 9		
BC	eP	02 45 24
PF	eP	02 45 28
SH	eP	02 44 25
TUC	iP	02 46 02
	i	46 11
June 9		
PF	eP	08 23 37
TUC	eP	08 22 55
	i	23 11
	iS	23 53
	iL	24 03

Date and Station		Phase (GCT) h m s
June 9, cont.		
BC	eP	13 21 35
PF	eP	13 21 38
SH	eP	13 20 42
	e	21 25
TUC	eP	13 21 40
June 9		
PF	eP	17 56 42
SH	iP	17 55 11
June 9		
PF	eP	19 22 02
June 9		
PF	i(P)	19 48 14
SH	eP	19 47 59
TUC	iP	19 48 16
	i	48 34
June 9		
PF	iP	21 44 49
SH	iP	21 44 34
TUC	iP	21 44 51
June 9		
BC	eP	23 49 39
PF	iP	23 49 47
TUC	iP	23 43 57
	i	49 03
	e	49 10
	eL	54 25
June 11		
PF	eP	08 30 02
June 12		
SH	eP	00 43 46

Date and Station		Phase (GCT) h m s
June 12, cont.		
BC	eP	07 15 14
	e	15 21
PF	iP	07 15 19
SH	eP	07 15 07
TUC	eP	07 15 22
	i	15 28
June 12		
BC	eP	10 21 47
PF	iP	10 21 51
TUC	eP	10 21 55
June 12		
BC	e(P)	11 01 15
PF	eP	11 01 18
June 12		
PF	i(P)	22 45 40
SH	eP	22 44 44
TUC	iP	22 46 11
June 13		
PF	eP	19 48 43
SH	eP	19 47 07
TUC	eP	19 49 34
June 13		
BC	eP	22 34 18
June 14		
PF	eP	07 28 31
June 14		
BC	iP	09 28 32
HUAN	iP	09 19 49
	eS	20 18
	eL	20 24

Date and Station		Phase (GCT) h m s
June 14, cont.		
SH	iP	09 29 22
	e	29 48
TUC	iP	09 27 58
	i	28 36
	i	28 55
	e	29 40
June 14		
PF	eP	10 10 37
	e	14 12
	e	15 22
SH	eP	10 10 08
	e	10 31
	e	14 21
TUC	e(P)	10 14 35
	e	15 11
	e	16 42
June 14		
BC	e(P)	11 06 47
PF	eP	11 06 57
SH	eP	11 06 10
TUC	eP	11 07 19
June 14		
PF	eP	12 07 32
SH	iP	12 06 50
June 15		
HUAN	eP	00 05 27
	eS	06 06
	eL	06 25
June 15		
TUC	eP	05 45 03
June 15		
BER	ePP	12 04 14
	ePPS	14 31
	e	15 18
	eSS	19 11
	eL	31 04

Date and Station		Phase (GCT) h m s
June 15, cont.		
BC	iP	11 57 17
	iPP	12 00 46
	iP'P'	23 39
BOZ	eP	11 57 00
	e	57 09
	iS	12 07 05
	ePS	08 32
	eL	20 12
BUR	eP	11 58 16
	e	59 28
	e(PP)	12 01 50
	eS	09 53
	e(PS)	10 39
	ePPS	12 06
	e(SS)	27 36
	eL	33 32
BUT	eP	11 56 50
	eS	12 06 49
	eSS	12 02
	eL	18 34
CHI	ePP	12 02 10
	e	08 33
	eS	09 16
	ePS	10 32
	eSS	14 49
	eL	22 45
COL	eP	11 54 13
	eS	12 01 45
	e	04 02
	eL	09 16
GC	eP	11 56 26
HONO	eP	11 54 45
	eS	12 03 13
	eL	09 28
HUAN	iP'	12 04 21
	ePP	07 40
	eSKS	11 11
	e	13 24
	eSKSP	17 25
	eSS	26 12
	eL	44 52

Date and Station		Phase (GCT) h m s
June 15, cont.		
PHIL	ePP	12 03 01
	ePPP	05 01
	iSKS	09 11
	ePS	11 36
	eL	33 31
PF	iP	11 57 20
	i	57 38
	iPP	12 00 28
	eP'P'	23 28
SLC	eP	11 57 11
	eS	12 07 29
	ePS	08 15
	eSS	12 45
	eL	19 34
SH	iP	11 56 36.5
	epP	56 46
	e	12 00 24
	eS	06 24
	e	10 24
	i	10 31.5
	eP'P'	24 05
SIT	eP	11 54 53
	iPcP	55 06
	eS	12 03 22
	iS	03 29
	i	03 45
	eScS	04 52
	eSS	07 24
	eL	10 28
TUC	iP	11 57 42
	iPP	12 01 12
	e	08 44
	e	11 06
	eP'P'	23 21
	eL	24 40
UK	eP	11 56 42
	eS	12 06 31
	eSS	11 36
	eL	15 53
June 15		
PF	iP	16 51 52

Date and Station		Phase (GCT) h m s
June 15, cont.		
SH	iP	16 51 39
	e	52 17
TUC	iP	16 51 52
	e	52 10
	e	52 36
June 15		
SH	eP	18 03 45
	e	03 52
June 15		
BC	eP	18 28 36
PF	iP	18 28 40
SH	iP	18 28 00
TUC	eP	18 28 58
June 15		
BC	eP	21 15 27
PF	eP	21 15 28
SH	eP	21 14 50
June 16		
PF	i	00 23 31
SH	eP	00 22 21
	i	22 30.5
	e	23 02
TUC	eP	00 23 50
	i	24 02
	i	24 10
June 16		
PF	eP	11 14 37
TUC	iP	11 14 40
June 16		
SH	eP	12 37 53
	i	38 44.5
	i	38 59.5

Date and Station		Phase (GCT) h m s
June 16, cont.		
BO	e(P)	13 37 36
PF	eP	13 37 37
	eL	38 39
June 17		
BC	eP	10 46 06
PF	iP	10 45 34
SH	e(P)	10 42 32
	e	42 44
TUC	iP	10 44 38
	i	44 45
June 17		
PF	iP	17 58 49
	eS	59 30
June 18		
BER	e	01 17 53
	eSS	33 49
	eL	50 03
BC	i(P)	01 07 39
	e(PP)	11 25
BOZ	e	01 18 01
	eL	33 28
BUT	eS	01 17 56
	eSS	22 14
	eL	31 41
CHI	ePP	01 13 27
	eSKS	19 19
	ePS	23 16
	eL	42 32
COL	eP	01 06 13
	eS	16 25
	eL	27 47
HONO	e	01 03 31
	e	05 00
	e(PPP)	07 24
	eS	10 42
	eScS	13 32
	eSS	14 28
	eL	15 37

Date and Station		Phase (GCT) h m s
June 18, cont.		
HUAN	eP'	01 13 58
	ePP	16 15
	e(SS)	32 46
	eL	47 34
PHIL	eSKS	01 19 49
	eSKKS	21 26
	eSS	31 18
	eL	46 09
PF	iP	01 07 12
	i	07 47
	iPP	10 50
	i(PPP)	13 21
	eSKS	17 46
SLC	eP	01 07 33
	ePP	11 27
	eSKS	18 00
	eS	18 35
	e	19 28
	ePS	19 52
	ePPS	20 50
	eSS	25 00
	eL	33 47
SJ	eP	01 13 44
	ePP	16 10
	eSKKS	22 47
	eL	53 02
SH	iP	01 06 44.5
	ePP	09 53
	eSKS	17 09
	eS	17 29
SIT	eP	01 06 26
	ePP	09 41
	eS	16 45
	iS	16 47
	eScS	17 33
	e(SS)	21 51
	eL	28 01
TUC	eP	01 07 24
	i	08 21
	iPP	11 16
	eSKS	18 02
	e(S)	19 25
	ePS	20 00

Date and Station		Phase (GCT) h m s
June 18, cont.		
TUC, cont.		
	ePKKP	01 24 39
	eP'P'	32 17
	eL	33 48
UK	e	01 17 09
	eL	25 31
June 18		
PF	eP	04 45 37
TUC	eP	04 45 05
June 18		
BC	iP	06 18 43
MONT	e	06 08 01
	eS	08 20
	eL	08 31
PF	iP	06 18 10
SH	iP	06 18 55.5
TUC	iP	06 17 41
	i	17 47
	e	18 13
June 18		
BC	eP	10 37 45
	e	39 03
COL	eP	10 33 32
	eS	37 34
	eL	40 16
PHIL	eL	11 04 03
PF	eP	10 37 18
	i(pP)	37 39
SH	eP	10 35 32
	i	35 58
TUC	iP	10 37 52
	i	38 01
	i	38 07
	i	38 14

Date and Station		Phase (GCT) h m s
June 18, cont.		
UK	iP	10 35 07
June 18		
PHIL	eL	17 40 42
PF	eP	16 59 27
SH	eP	16 59 43
TUC	iP	16 59 57
	i	17 00 23
	eL	25 24
June 19		
MONT	e(S)	14 31 23
	i(S)	31 42
	eL	31 40
June 19		
SH	e(P)	18 33 46
June 19		
SH	e(P)	20 47 27
June 19		
BC	eP	21 17 12
	iL	18 25
PF	i(P)	21 17 18
	iL	18 25
SH	eP	21 16 48
	i	16 40.5
June 19		
BC	e(P)	23 07 15
PF	eP	23 07 08
SH	e(P)	23 07 16
	i	07 48
TUC	iP	23 07 15
June 19		
BC	eP	23 24 28
PF	iP	23 24 27
	i(pP)	24 43

Date and Station		Phase (GCT) h m s
June 19, cont.		
SH	iP	23 23 51
	i	24 05.5
TUC	eP	23 24 49
	e	25 07
June 20		
PF	eP	00 45 04
	i	46 11
SH	e(P)	00 44 21
	e	45 26
June 20		
PF	iP	08 40 18
SH	eP	08 38 08
TUC	iP	08 40 22
June 20		
BC	e(P)	08 56 40
HUAN	e(P)	08 50 46
	eS	55 11
	eL	55 41
PF	eP	08 56 36
SH	eP	08 57 18
TUC	eP	08 56 05
	e	56 31
	eL	09 23 16
June 20		
SH	eP	11 07 31
June 20		
PF	e(P)	16 13 51
	e	14 34
June 20		
PF	e(P)	16 32 23
June 20		
BC	eP	17 34 35
PF	iP	17 34 32

Date and Station		Phase (GCT) h m s
June 20, cont.		
SH	eP	17 35 37
	ePcP	37 41
TUC	iP	17 33 52
	i	33 57
	iPcP	57 08
June 20		
SH	iP	19 25 24.6
	i	25 28.2
	i	25 48.7
	e(S)	25 52
	i	26 01.2
June 20		
SH	eP	20 36 11
	e	36 40
June 20		
SH	eP	21 03 53
	e	04 37
June 21		
BER	eP'	12 25 03
	ePP	28 11
	e	31 04
	eSKS	32 36
	e	39 02
	ePPS	40 50
	eSS	46 47
	eSSS	52 17
	eL	09 13 40
June 21		
BC	eP	12 23 46
	e	24 03
ROZ	e	12 23 27
	e(P')	24 18
	e	28 48
	eSKS	30 33
	ePS	33 56
	e	38 25
	e	47 21
	eL	51 16
COL	eP	12 18 08
	ePP	21 19
	eS	28 30
	eL	42 37

Date and Station		Phase (GCT) h m s
June 21, cont.		
HONO	eP	12 17 17
	e(S)	27 13
	eL	43 02
HUAN	eP'	12 25 01
	ePP	29 39
	e	30 38
	eSKS	32 31
	eSKSP	40 12
	ePSPS	50 46
	eL	13 21 40
PHIL	ePP	12 26 59
	iPKS	28 09
	ePPP	29 41
	eSKS	31 50
	eSKSP	37 08
	ePPS	38 59
	eSS	44 23
	eL	13 15 29
PF	eP'	12 24 04
SJ	eP'	12 25 28
	e	27 26
	ePP	29 24
	e	29 59
	eSKS	32 42
	eSKSP	39 27
	ePPS	42 33
	e	44 32
	eL	13 28 30
SH	eP	12 19 30
	e	23 05
	iPP	23 39.5
	i	24 04.5
	e	28 12
	e(SKS)	30 21
SIT	eP	12 18 31
	ePP	22 06
	iSKS	28 59
	eS	29 41
	ePS	30 51
	eSS	35 11
	eL	43 00

Date and Station		Phase (GCT) h m s
June 21, cont.		
TUC	iP'	12 24 11
	ePP	25 09
	iPP	25 13
	iPS	34 54
	e	37 37
	eL	51 34
UK	eSKS	12 30 13
	ePS	32 30
	eSS	38 46
	eL	53 31
June 21		
BC	eP	14 16 18
PF	eP	14 16 19
SH	eP	14 16 02
TUC	eP	14 16 08
June 21		
SH	eP	20 36 13
June 22		
BC	eP	22 00 43
PF	eP	21 59 35
SH	eP	22 00 15
TUC	iP	21 59 34
	e	22 00 51
June 23		
BC	eP	00 48 57
HUAN	eP	00 42 10
	i(S)	44 02
	eL	44 31
PF	eP	00 48 55
TUC	iP	00 48 19
June 24		
BC	eP	00 00 49

Date and Station		Phase (GCT) h m s
June 24, cont.		
PF	iP	00 00 24
SH	iP	00 00 06
	i	00 20.5
TUC	iP	00 00 21
June 24		
BC	eP	05 47 25
PF	eP	05 47 21
SH	eP	05 48 53
TUC	iP	05 46 57
June 24		
PF	eP	06 08 39
June 24		
PF	eP	10 51 42
SH	eP	10 51 54
TUC	iP	10 51 45
June 24		
BC	eP	21 18 07
PF	eP	21 17 52
	i	18 01
SH	eP	21 17 57
TUC	iP	21 18 10
June 25		
PF	eP	02 18 50
June 25		
PF	eP	04 09 37
June 25		
BC	iP	09 27 57
HUAN	eP	09 21 41
	e(S)	22 47
	eL	23 29

Date and Station		Phase (GCT) h m s
June 25, cont.		
PF	iP	09 27 55
	i(pP)	28 37
SJ	eP	09 23 56
	eS	27 51
	eL	28 14
SH	iP	09 28 49
	epP	29 34
TUC	iP	09 27 20
	ipP	28 03
	e	28 31
June 25		
BC	eP	15 27 29
CH	eP	15 26 57
TUC	iP	15 28 13
	i	28 23
	iPcP	30 08
	i	30 21
June 26		
BC	eP	01 42 08
PF	iP	01 42 11
SH	eP	01 41 54
	e	41 05
TUC	iP	01 42 13
	i	42 32
	i	42 45
June 26		
SH	eP	02 34 28
TUC	eP	02 31 59
June 26		
BC	eP	10 18 07
SH	eP	10 17 55
TUC	iP	10 18 12

Date and Station		Phase (GCT) h m s
June 26, cont.		
BC	iP	12 15 22
	e	16 14
	e	18 50
PF	iP	12 15 25
	e	17 41
	e	18 49
SH	iP	12 15 03
	e	17 11
TUC	iP	12 15 32
June 26		
PF	eP	13 40 23
TUC	iP	13 39 44
June 26		
PF	eP	19 31 59
SH	eP	19 31 42
TUC	iP	19 32 01
June 27		
COL	e	00 29 45
	eL	42 22
June 27		
BER	eP	12 53 40
	eS	57 55
	e	58 08
	eL	58 50
T_P = 6 sec. A = 4.8mm.		
T_L = 21 sec. $A_{max.}$ = 6.1mm.		
BC	iP	12 54 52
	i	55 13
	i	55 40
	iPcP	56 52
	eS	59 57
	e(ScS)	13 03 22
BOZ	eP	12 55 22
	e	55 50
	ePP	56 40
	ePPP	57 15

Date and Station		Phase (GCT) h m s
June 27, cont.		
BOZ, cont.		
	ePcP	12 57 41
	iS	13 01 00
	e	02 06
	eL	03 24
	eScS	05 28
BUR	eL	13 00 14
BUT	iP	12 55 31
	e	55 44
	ePP	56 53
	eS	13 01 11
	eL	03 34
CHI	iP	12 53 41
	ePP	54 48
	e	55 43
	ePcP	56 52
	eS	57 59
	iS	58 00
	eL	58 59
	i	59 48
COL	eS	13 07 17
	eScS	08 28
	eL	13 44
GC	eP	12 56 08
HUAN	eP	12 54 37
	ePP	55 47
	eS	59 36
	eL	13 01 03
LOG	iP	12 55 01
	i	55 17
	iPP	56 12
	eS	13 00 24
	eL	11 05
NK	e(P)	12 53 50
	ePcP	56 27
	eS	57 48
PHIL	iP	12 53 40
	iPP	[illegible] 33
	iS	58 02
	iL	58 28

Date and Station		Phase (GCT) h m s
June 27, cont.		
PF	iP	12 54 48
	i	55 27
	i(PPP)	56 28
	iPcP	56 52
	eL	13 01 22
RC	eP	12 54 41
	iS	59 43
	iL	13 00 43
SLC	eP	12 54 57
	ePP	56 15
	ePPP	57 09
	eS	13 00 15
	eL	01 48
SJ	eP	12 52 30
	iS	55 48
	iL	56 21
SH	eP	12 55 52
	iP	55 53.4
	i	55 05
	iPP	57 25
	iPcP	57 37
	e(ScS)	13 05 00
SIT	ePP	12 59 56
	iS	13 05 32
	eScS	07 20
	e	08 30
	eSS	09 02
	eL	10 42
TUC	iP	12 54 12
	i(PP)	55 12
	iPcP	56 24
	iS	59 12
	eL	13 00 41
UK	eP	12 56 10
	eS	13 02 04
	eL	05 10
June 27		
PF	eP	20 13 49

Date and Station		Phase (GCT) h m s
June 27, cont.		
BER	eP	21 50 09
	eS	58 32
	eL	22 0[illegible] 22
BC	iP	21 46 06
	e(PP)	47 14
	eS	52 23
BOZ	e	21 48 20
	eS	50 15
	eL	52 06
BUR	e(S)	21 56 36
	eL	22 09 20
BUT	e	21 46 06
	e(S)	50 05
	eS	50 22
	eL	52 13
CHI	eS	21 54 08
	eL	57 19
COL	eP	21 41 39
	eS	43 28
	iL	44 10
GC	eP	21 44 35
HONO	eL	21 53 58
LIN	eS	12 53 50
	e	55 44
	iL	58 16
PF	eP	21 46 09
	e	51 18
LOG	e(P)	21 45 34
	eS	50 52
	eL	53 00
NK	e(S)	21 55 23
	eSS	59 13
	eL	22 04 32
PHIL	eS	21 56 01
	eScS	58 33
	eL	22 05 27

Date and Station		Phase (GCT) h m s
June 27, cont.		
SLC	e	21 46 22
	eS	51 31
	eL	53 19
SJ	eP	21 51 02
	e	52 50
	eS	22 00 28
	eSS	06 06
	eL	09 53
SEA	eP	21 43 53
	eS	47 32
	eL	49 43
SH	eP	21 45 00
	i	45 17
	eS	49 35
	e	49 40
SIT	eP	21 42 05
	e	43 25
	eS	44 12
	eL	44 27
TUC	iP	21 46 49
	ePP	48 23
	eS	52 44
	eL	55 50
UK	eL	21 49 54
June 28		
BER	ePP	07 32 42
	e(SKS)	39 00
	eS	40 25
	e(PPS)	42 14
	eSS	47 43
	eSSS	51 42
	eL	59 06
T_L = 18 sec. $A_{max.}$ = 9.4 mm.		
BC	eP	07 25 52
	ePP	29 01
	e(PPP)	31 14
	eS	36 26

Date and Station		Phase (GCT)
		h m s
June 28, cont.		
BOZ	eP	07 25 33
	e	26 20
	e	27 18
	ePP	28 32
	ePPP	30 30
	e	32 13
	eS	35 29
	ePS	36 18
	e	37 32
	eSS	40 53
	eL	46 20
BUR	e	07 33 26
	eS	38 32
	iPS	39 31
	i	41 07
	eSS	45 58
	eL	57 21
BUT	eP	07 25 28
	e	32 35
	eS	35 20
	eScS	36 04
	ePPS	36 27
	e	37 21
	eL	46 21
CHI	eP	07 27 03
	ePP	30 24
	eSKS	37 13
	eS	37 59
	ePS	39 06
	eSS	44 16
	eSSS	48 02
	eL	51 42
COL	eP	07 22 41
	eS	30 09
	e	31 53
	eSS	33 43
	eL	35 07
GC	eP	07 25 00
HONO	eP	07 23 20
	ePP	25 43
	ePPP	27 28
	eS	31 35
	iS	31 47

Date and Station		Phase (GCT)
		h m s
June 28, cont.		
HONO, cont.		
	eScS	07 33 32
	eSS	35 09
	eL	37 28
T_S = 14 sec. A = 2.5mm.		
T_L = 30 sec. $A_{max.}$ = 3.9mm.		
HUAN	eP'	07 33 03
	ePP	36 13
	e	51 20
	eSS	55 10
	eSSS	08 00 54
	eL	10 51
LOG	eP	07 25 39
	eS	35 51
	iScS	36 39
	e	37 39
	eSS	45 11
	eL	47 15
NK	e(P)	07 31 24
	e(SKS)	37 12
	eS	38 24
	e(PS)	39 10
	ePPS	40 30
	eSS	44 39
	eL	08 04 25
PHIL	ePP	07 31 25
	e	32 33
	ePPP	33 32
	eSKS	37 46
	i	38 02
	iS	38 43
	ePS	40 07
	eL	59 03
PF	eP	07 25 54
	iPP	29 15
	i	30 33
	eS	36 23
RC	eP	07 26 01
	ePP	29 18
	e(PPP)	31 49
	eS	36 22
	ePPS	37 30

Date and Station		Phase (GCT)
		h m s
June 28, cont.		
RC, cont.		
	eSS	07 42 03
	eL	48 37
SLC	eP	07 25 46
	e	26 44
	e	27 22
	eS	36 01
	e	37 12
	e	38 10
	eSS	40 40
	eSSS	44 19
	eL	47 14
SJ	ePP	07 34 33
	e	37 10
	eSKS	40 14
	ePS	44 03
	eSS	50 35
	eL	08 01 05
SEA	eP	07 24 (45)
	eS	33 (55)
	eL	42 (04)
SH	iP	07 25 11
	i	25 20.5
	i	25 31
	iPP	27 50
	eS	34 49
	e	35 06
SIT	iP	07 23 38
	ePP	25 59
	i(PPP)	27 25
	eS	31 48
	iS	31 51
	eL	37 40
TUC	eP	07 26 18
	i	26 30
	ePP	29 45
	iPP	29 50
	eS	08 06 50
	eScS	07 27
	ePS	08 07
	eSS	13 04
	eSSS	16 14
	eL	19 35

Date and Station		Phase (GCT) h m s
June 28, cont.		
BC	iP	07 32 06
PF	iP	07 32 00
SH	iP	07 31 25
	i	31 33
	i	31 47.5
TUC	iP	07 32 32
June 28		
BC	eP	11 48 44
PF	iP	11 48 27
SH	eP	11 48 14
TUC	iP	11 49 09
	i	49 17
June 28		
BC	eP	23 40 36
PF	iP	23 40 45
GC	eP	23 39 15
PHIL	e	23 53 13
	eL	00 02 30
SH	eP	23 39 35
	e	46 38
SIT	eL	23 39 41
TUC	iP	23 41 25
	i	41 32
June 29		
PF	eP	04 01 59
June 29		
BC	eP	05 12 12
PF	iP	05 12 46
SH	eP	05 12 30
TUC	eP	05 12 44
	i	12 48

Date and Station		Phase (GCT) h m s
June 29, cont.		
BER	ePP	10 48 08
	eSKKS	54 02
	epPS	57 44
	e(PPS)	58 58
	eL	11 15 56
BC	eP	10 40 16
	isP	40 51
	e(P'P')	11 08 10
BOZ	e(P)	10 40 58
	eS	51 08
	eScS	51 34
	ePS	52 03
	epPS	52 26
	eSS	56 29
	eL	11 02 46
BUR	ePP	10 47 08
	e	48 50
	e(S)	54 14
	eS	54 30
	ePPS	57 33
	iPPS	57 43
	eL	11 14 18
CHI	eP	10 42 03
	ePP	45 58
	eSKS	52 34
	eS	53 06
	e(sS)	54 22
	eL	11 09 42
GC	eP	10 40 40
HONO	iP	10 36 05
	iS	42 06
	iL	44 58
HUAN	ipP	10 41 57
	e(PP)	45 32
	epPP	45 40
	eS	52 31
	esS	53 14
	ePPS	54 35
	eSS	59 34
	eL	11 06 04

Date and Station		Phase (GCT) h m s
June 29, cont.		
LIN	eP	10 41 31
	e	44 21
	eSKS	52 02
	e	11 09 46
	eL	18 21
LOG	iP	10 40 44
	i	42 24
	e	44 40
	eS	50 44
	isS	51 07
	ePS	51 34
	esPS	52 03
	eL	11 01 48
PHIL	e	10 42 59
	eP'	46 34
	ipPP	47 21
	iSKS	53 38
	eS	54 08
	esS	54 51
	ipPS	56 38
	eL	14 31
PF	iP	10 40 20
	ipP	40 47
	iPP	43 10
	iPPP	44 54
	eS	50 10
	ePKKP	59 45
	eL	11 03 00
	eP'P'	07 45
RC	iP	10 41 19
	e	42 28
	e(PP)	44 14
	eS	51 45
	ePS	52 22
	e(SSS)	11 00 31
	eL	06 55
SLC	iP	10 40 40
	epP	40 56
	ePP	43 38
	e(PPP)	45 14
	eS	50 36
	esS	51 05
	esPS	52 16
	eSS	55 27
	eL	59 58

Date and Station		Phase (GCT) h m s
June 29, cont.		
SH	iP	10 40 03.5
	eS	49 28
	esS	50 08
	e	11 04 35
	eP'P'	08 04
SIT	iP	10 40 36
	ipP	40 58
	ePP	43 39
	epPP	44 14
	ePPP	45 28
	eS	50 24
	iS	50 27
	ePS	51 24
	eSS	55 14
	eL	11 01 11
TUC	iP	10 40 22
UK	eP	10 39 59
	eS	49 11
	eL	58 09
June 29		
BC	iP	11 25 35
PF	iP	11 25 38
SH	eP	11 24 47
TUC	iP	11 26 04
June 29		
PF	iP	14 38 34
June 29		
BC	iP	15 00 33
BOZ	eL	15 11 40
LOG	eL	15 10 00
RC	eP	15 01 21
	eL	10 10
SLC	eL	15 09 18
SH	iP	15 02 00

Date and Station		Phase (GCT) h m s
June 29, cont.		
TUC	iP	14 59 39
	eS	15 05 17
	e	06 30
	eL	07 24
June 29		
PF	eP	15 32 54
SH	eP	15 33 56
TUC	eP	15 32 57
June 29		
BC	iP	16 20 14
	iPP	24 19
BOZ	eP	16 19 27
	eS	30 07
	eScS	30 39
	eL	47 11
GC	eP	16 19 23
PHIL	eP	16 18 36
	eS	28 56
	eL	46 41
PF	iP	16 20 12
	iPP	24 18
RC	eP	16 19 27
	eS	30 20
	ePS	31 35
	eL	49 10
SLC	e(P)	16 19 49
	ePP	23 35
	e	24 38
	eSKS	30 22
	eL	48 24
SH	iP	16 19 56
	e	20 01
	e	20 18
	iPP	23 52
SIT	eP	16 18 41
	ePP	22 12
	e	25 18

Date and Station		Phase (GCT) h m s
June 29, cont.		
SIT, cont.		
	eS	16 29 04
	ePS	29 47
	eL	45 10
TUC	iP	16 20 27
	iPP	23 50
	e	25 32
	ePPS	33 57
	eL	54 30
June 29		
SH	iP	20 19 25.5
June 29		
PF	iP	23 05 13
SH	iP	23 05 45
June 30		
BC	eP	00 33 34
	epP	33 55
PF	eP	00 33 07
	ipP	33 27
SH	iP	00 32 51.5
	ipP	33 12.5
TUC	iP	00 33 10
	ipP	33 31
June 30		
PF	eP	01 07 39
June 30		
PF	eP	06 36 04
June 30		
PF	eP	08 12 26
	i	13 13
SH	eP	08 12 33
June 30		
BER	e(P)	12 32 16
	eS	41 18
	eL	48 21

Date and Station		Phase (GCT) h m s
June 30, cont.		
BC	eP	12 34 11
BOZ	eP	12 33 55
	eS	44 27
	eL	13 00 05
BUR	eS	12 41 11
	eScS	42 59
	eSS	46 07
	eL	47 37
BUT	e	12 35 32
	eS	44 27
	eL	58 07
CHI	eP	12 33 06
	eS	42 52
	eL	53 55
COL	eS	12 42 43
	eL	53 04
HUAN	eL	13 20 02
LIN	eP	12 33 37
	eS	43 52
	eL	57 32
PHIL	eP	12 32 17
	iS	41 29
	e	41 59
	eL	51 47
PF	eP	12 34 37
RC	eP	12 33 44
	eS	44 04
	e	45 23
	eL	55 37
SLC	eP	12 34 22
	ePP	37 42
	eSKS	44 45
	ePS	45 58
	eL	13 00 18
SH	eP	12 34 32
	e	39 16

Date and Station		Phase (GCT) h m s
June 30, cont.		
SIT	eS	12 44 04
	eL	56 30
TUC	iP	12 34 37
	iPP	38 37
	e	39 11
	eL	59 24
UK	eL	13 04 17
June 30		
TUC	iP	16 21 58
June 30		
BC	iP	17 37 58
PF	iP	17 38 02
SH	eP	17 37 06
TUC	iP	17 38 31
June 30		
PF	eP	18 11 06
June 30		
SH	eP	20 57 16
	eS	57 35

Date and Station		Phase (GCT) h m s

Local and Minor Earthquakes

day	hour	day	hour	day	hour	day	hour	day	hour
HUT		HUAN, cont.		HUAN, cont.		HUAN, cont.		HUAN, cont.	
May		Apr. cont.		Apr. cont.		Apr. cont.		May, cont.	
16	06.8	4	09.6	13	05.0	19	23.4	4	15.8
			10.8		05.0	20	02.1	5	11.2
June			14.1		05.1		04.9	6	10.2
2	15.2		21.5		05.7	21	07.2		20.9
		5	00.4		06.0	22	00.4	7	06.1
COL			22.6		18.7		15.4		06.6
Apr.			23.0		20.4		21.4	8	08.4
6	14.2	6	07.3		21.7	24	00.4		09.0
13	19.5		15.5		21.8		12.5	10	13.2 (strong)
18	23.1		19.5		23.0		20.8		21.2
28	13.8	7	00.7	14	00.2	25	04.2		23.0
			03.9		05.3		19.7	12	01.7
May			16.7		10.9	26	08.2		09.6
3	03.9		17.3		13.6		09.7	13	14.7
7	01.1		17.9		13.7		11.3	14	10.1
8	10.3		18.4		19.2		11.9		10.5
20	08.0	8	00.9	15	07.5		13.7	15	07.3
21	22.1		02.1		07.5		16.2		09.4
			03.2		07.5		16.4		12.6
June			04.2		16.9		20.0		14.7
21	07.8		07.0		21.6	27	02.2		18.2
	08.9		13.9	16	01.3		11.0	18	14.4
			22.8		03.6	28	02.7	19	03.8
HONO		9	03.2		06.4		03.9		18.2
June			03.8		10.6		09.1	20	01.2
3	19.0		03.9		11.2		13.6		02.7
16	21.6		07.5		14.5	29	18.7	22	03.3
17	21.7		11.0		15.0		10.7		05.6
18	01.3		12.2		19.9		15.5		18.8
	02.0		13.3		22.4		15.9		19.4
22	00.9		15.5	17	01.3		17.9		19.6
			19.0		04.4		20.9	23	16.6
HUAN			19.4		11.7		22.3	24	02.4
Apr.			20.1		12.0				16.2
1	00.9	10	01.7		13.0	MAY			20.0
	04.3		02.3		16.2	1	01.4 (strong)		21.2
	08.3		04.2		18.7		02.1	25	04.5
	20.0		06.3		19.0		03.4 (strong)		15.4
	22.0		14.8		21.6		04.1		18.7
	22.4	11	05.2	18	05.1		05.8		23.7
	22.9		05.6		07.4		12.7	26	01.3
2	05.2	12	08.7		09.5		13.8		14.6
	14.7		11.7		11.3		21.2	27	19.5
	18.3		10.1		13.4	2	19.3		20.0
	19.1		23.0	19	01.7	3	11.7	28	00.6
	19.3	13	01.7		03.9		13.9		05.2
3	18.6		03.8		13.8		23.2		17.1
	21.1		04.6 (strong)		21.2	4	06.7		20.4

day	hour	day	hour	day	hour	day	hour	day	hour
HUAN, cont.		HUAN, cont.		SJ, cont.		UK			
May, cont.		June, cont.		June, cont.		May			
30	07.3	28	04.9	15	16.4	18	10.7		
	20.6	30	14.9	26	18.4				
31	11.9		15.0		20.5				
	12.1		19.5						
	12.7			SIT					
		LOG		May					
June		June		8	10.3				
1	18.4	2	15.1	18	20.1				
2	01.7								
	13.4	MONT		TUC					
	21.5	Apr.		Apr.					
3	01.4	21	02.4	3	23.4				
	19.6	23	17.3 (felt)						
	19.8	26	03.1	4	11.7				
	22.5	30	04.5	6	18.4				
4	17.8			10	22.3				
	18.3	SJ		14	01.2				
5	21.9	Apr.		16	22.5				
6	11.2	12	07.9	18	06.9				
9	08.9		23.3	20	11.5				
	22.4	15	04.6		15.1				
10	20.8	18	10.0	22	15.0				
11	03.4		10.1		17.4				
13	12.7	22	00.1	23	02.6				
15	09.5		00.2	27	20.4				
16	04.3		00.3						
	13.5		04.2	May					
	23.8		04.5	5	17.3				
	23.9		06.0	6	06.1				
17	00.1		15.2		07.1				
18	06.1		18.3		19.9				
	18.3		19.1	8	08.2				
19	03.0	23	16.9	9	18.9				
20	16.4	25	03.5	10	03.8				
	22.5	26	11.4	13	12.1				
21	10.6	27	13.1	15	07.9				
	13.9	28	20.7	19	11.9				
22	03.4	29	21.7		12.5				
	(strong)			25	17.6				
	05.3	May			17.8				
	15.1	5	05.3	26	19.6				
	(strong)		06.8	29	19.3				
	21.1	7	22.3	31	12.7				
	21.5	15	09.2						
24	14.5	16	19.3	June					
	21.8		20.5	8	22.7				
26	04.9		21.3	9	08.4				
	19.2			10	19.1				
27	06.6	June		18	16.5				
	10.7	11	21.9		16.6				
				22	18.3				