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U. S. COAST & GEODETIC SURVEY
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SEISMOLOGICAL BULLETIN

July, August, September, 1948

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U. S. DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

R. F. A. Studds, Director

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National Oceanic and Atmospheric Administration

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March 4, 2011

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

**Balboa Heights, C. Z. (BH)
The Panama Canal
*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 INTERPRETATION

Date and Station		Phase (GCT) h m s
July 1		
BC	iP	01 53 31
PF	iP	01 53 33
TUC	iP	01 54 02
	epP	55 48
	e	56 18
July 1		
PF	iP	12 58 40
	e(pP)	59 39
TUC	iP	12 58 42
	i	59 09
	i	59 41
July 2		
BC	e(P)	02 37 05
HH	eP	02 36 51
PF	e(P)	02 37 08
SH	eP	02 36 30
TUC	eP	02 37 29
	e	41 19
July 2		
TUC	eP	03 04 22
July 2		
PF	e(P)	10 44 39
TUC	eP	10 44 40
July 2		
PF	e(P)	12 24 49
July 2		
BC	eP	15 17 36
HH	e(P)	15 17 00
PF	e(P)	15 17 33
	i	17 38
SH	i(P)	15 16 50
	iP	16 56

Date and Station		Phase (GCT) h m s
July 2, cont.		
TUC	eP	15 17 59
	e	18 34
July 2		
HH	iP	21 49 40
	i	50 45
July 2		
HH	eP	23 24 26
	e	24 40
SH	iP	23 24 24
July 3		
HH	e(P)	03 40 26
July 3		
BC	eP	04 23 40
HUAN	iP	04 14 59
	iS	15 30
	iL	15 41
HH	iP	04 24 33
PF	iP	04 23 35
SH	iP	04 24 26.6
TUC	iP	04 23 03
	i	23 39
	i	23 49
July 3		
SJ	eP	07 45 06
	e	45 28
	eL	46 16
July 3		
HH	eP	10 42 31
	i	43 02
PF	eP	10 42 48
SH	eP	10 42 14

Date and Station		Phase (GCT) h m s
July 3, cont.		
BC	iP	13 01 42
	epP	03 05
BUT	eS	13 12 21
	eSS	18 10
HH	iP	13 02 17
	eS	12 10
	iPKKP	20 08
PF	iP	13 01 46
	ipP	03 09
SH	iP	13 01 37.5
	ipP	03 00
	iS	11 00
TUC	iP	13 01 48
	ipP	03 12
	isP	04 08
	ePP	04 49
	eS	11 30
	ePKKP	20 22
	eP'P'	28 33
July 3		
HH	iP	15 54 37
July 3		
HH	eP	20 31 28
July 3		
SH	eP	22 01 29
July 4		
PF	i(P)	03 35 25
TUC	iP	03 35 27
July 4		
HH	eP	12 06 59
July 4		
HUAN	eP	12 26 44
PF	e(P)	12 28 15

Date and Station		Phase (GCT) h m s
July 4, cont.		
TUC	eP	12 27 37
July 4		
SH	eP	12 40 39
	e	41 07
July 4		
HH	iP	14 25 21
July 4		
HH	eP	15 22 09
PF	eP	15 20 55
TUC	eP	15 20 21
July 4		
BC	iP	18 45 23
	i(S)	46 00
PF	iP	18 45 26
	iS	46 11
July 4		
HH	iP	23 25 23.4
SH	iP	23 25 04
	i	25 08
TUC	e(P)	23 25 58
July 4		
HH	iP	23 37 13.4
July 5		
SH	iP	02 16 24.1
July 5		
SH	iP	03 10 59
July 5		
HH	eP	04 14 07
SH	i(P)	04 13 50
July 5		
BER	eS	14 18 24
	ePS	19 20

Date and Station		Phase (GCT) h m s
July 5, cont.		
BER, cont.		
	e(PPS)	14 20 52
	ePKKP	23 30
	e	27 04
	eL	43 22
BUT	eL	14 46 26
CHI	eSKS	14 17 52
	e(PS)	19 24
	eL	37 36
COL	e(S)	14 16 05
	e	19 27
	e(SS)	21 59
	eL	27 30
HUAN	eP'	14 12 36
	ePP	15 34
	ePKS	16 05
	e	33 22
	e	36 14
	ePPS	37 28
	eSS	42 48
	eL	50 34
HH	eP	14 07 11
LIN	e	14 15 02
	e	24 12
	eL	42 12
PF	ePP	14 13 02
SLC	eSKS	14 18 17
	ePS	21 37
	eSS	27 25
	eL	43 37
SJ	e	14 17 25
	e	24 15
	eSSS	32 19
	eL	39 24
SIT	eSKS	14 17 04
	e(S)	17 42
	e(PPS)	18 50
	eSSS	26 36
	eL	32 02

Date and Station		Phase (GCT) h m s
July 5, cont.		
TUC	e(P')	14 12 07
	ePP	13 45
	eL	41 24
UK	eL	14 52 32
July 5		
HH	eP	23 26 37
July 6		
BC	eP	07 04 43
HH	eP	07 05 21
PF	eP	07 04 47
TUC	iP	07 04 48
July 6		
SJ	eP	07 44 54
	e	45 22
	eL	46 06
July 6		
HH	iP	11 56 44.5
PF	e(P)	11 56 18
SJ	eP	11 49 11
	e	49 22
	e	49 48
	eL	50 06
TUC	eP	11 55 10
	e	55 51
July 6		
HH	iP	18 52 38.7
SH	iP	18 51 36.6
July 6		
BER	eL	19 04 18
BC	e(P)	19 05 28
PF	eP	19 05 21

Date and Station		Phase (GCT) h m s
July 6, cont.		
SJ	eP	18 58 07
	e	58 18
	eS	59 06
	eL	59 13
SH	e(P)	19 06 15
TUC	eP	19 04 55
July 7		
BER	ePS	02 47 12
	ePPS	49 05
	eSS	54 20
	e(SSS)	59 16
	eL	03 06 28
BC	eP	02 31 46
	ePP	35 05
	eP'P'	58 19
BOZ	eP	02 31 32
	eS	41 34
	eL	57 36
BUT	e(P)	02 31 23
	eS	41 24
	eL	53 23
CHI	eS	02 43 48
	eSS	50 20
	eL	57 44
COL	eP	02 28 43
	eS	36 15
	e	37 56
	eScS	38 30
	eL	41 20
GC	e(P)	02 31 08
HONO	eS	02 37 27
	e	40 13
	eL	43 40
T_L = 20 sec. A = .7 mm.		
T_L = 12 sec. $A_{max.}$ = 1 mm.		
HUAN	eP'	02 38 49
	ePP	42 10

Date and Station		Phase (GCT) h m s
July 7, cont.		
HUAN, cont.		
	eSS	03 01 00
	eSSS	06 20
	eL	20 24
HH	eP	02 31 08
LIN	eSKS	02 43 10
	e(SS)	56 02
	eL	03 01 18
PHIL	e	02 41 18
	e(SKS)	43 08
	ePPS	45 56
	eL	03 07 33
PF	eP	02 31 48
	eP'P'	58 15
RC	e(P)	02 32 06
	eS	42 26
	eSS	48 09
	eSSS	52 11
	eL	03 00 16
SLC	eP	02 31 42
	eS	42 02
	eL	54 58
SJ	ePP	02 40 20
	eSKKS	47 14
	e	49 06
	ePS	50 20
	e(SS)	55 10
	eSSS	03 00 56
	eL	08 15
SIT	eP	02 29 49
	eS	37 51
	iS	37 55
	eScS	39 46
	eSS	42 05
	eL	44 44
TUC	eP	02 32 12
	ePP	35 46
	eS	42 45
	eScS	43 03
	ePPS	44 12

Date and Station		Phase (GCT) h m s
July 7, cont.		
TUC, cont.		
	eL	02 55 17
	eP'P'	57 34
UK	e	02 42 16
	eL	53 35
July 7		
BH	eP	08 05 19
	eS	05 39
July 7		
BC	eP	09 25 19
	epP	25 41
PF	iP	09 25 20
	ipP	25 43
SH	iP	09 25 09.3
	ipP	25 30.3
TUC	iP	09 25 21
	ipP	25 43
	e	26 09
July 7		
HH	e(P)	09 36 51
July 7		
HH	eP	15 07 54
	eS	09 06
July 7		
BC	e(P)	23 59 36
TUC	iP	23 58 51
	e	59 46
July 8		
HH	iP	00 52 51.7
	i	53 10.0
	iS	53 10.8
July 8		
BC	eP	04 46 21
HUAN	eP	04 46 25
PF	eP	04 46 47

Date and Station		Phase (GCT) h m s
July 8, cont.		
TUC	eP	04 46 14
	eL	05 13 09
July 8		
HH	iP	06 12 27
July 8		
PF	e(P)	11 50 50
July 8		
PF	eP	12 33 40
July 8		
BC	eP	12 45 02
BOZ	eP	12 43 47
	eS	51 20
	e(SS)	55 00
	eL	13 02 52
BUR	e(S)	12 49 58
	eL	53 05
BUT	eP	12 43 48
	eS	51 11
	eSS	54 44
CHI	eP	12 43 25
	ePP	45 29
	eS	50 09
	e	50 33
	eL	54 09
COL	e	12 42 29
	ePP	44 05
	ePcP	44 18
	eS	48 50
	eL	51 58
HH	eP	12 43 36
NK	eS	12 50 16
	eL	57 10
PHIL	eP	12 42 (48)
	ePP	44 (32)
	ePPP	45 (12)
	eS	49 (15)

Date and Station		Phase (GCT) h m s
July 8, cont.		
PHIL, cont.		
	e	12 49 (42)
	eL	53 (32)
PF	iP	12 44 59
	ePP	47 15
	eP'P'	13 14 26
RC	eP	12 43 48
	e	46 04
	e(S)	51 15
	eL	59 50
SLC	eP	12 44 27
	eS	52 19
	e(SeS)	54 07
	eL	13 01 15
SIT	e	12 44 28
	eS	50 06
	eL	57 24
TUC	iP	12 45 17
	ePP	47 32
	ePPP	49 16
	e(S)	54 12
	eSS	58 14
	eL	13 04 54
July 8		
BC	eP	14 03 12
GC	e(P)	14 02 12
HH	iP	14 02 28
PF	iP	14 03 15
TUC	e(P)	14 03 02
July 8		
BC	eP	17 21 16
PF	e(P)	17 21 01
	eP	21 16
SH	eP	17 21 38
	i	21 41.9

Date and Station		Phase (GCT) h m s
July 8, cont.		
SH	e(P)	21 32 11
July 8		
BC	iP	21 54 00
HH	eP	21 55 18
PF	eP	21 53 56
TUC	eP	21 53 15
	i	53 24
	i	53 56
	e	22 00 29
	e	01 01
July 8		
HH	iP	22 37 37
July 9		
BC	e(P)	01 44 37
PF	eP	01 44 39
TUC	eP	01 44 40
July 9		
PF	eP	01 53 26
July 9		
TUC	eP	03 58 06
July 9		
PF	eP	11 35 26
TUC	eP	11 34 45
	e	35 23
July 9		
HH	iP	16 40 04
PF	eP	16 39 49
	e	40 58
SH	eP	16 38 58
TUC	iP	16 39 56
July 9		
BC	eP	21 26 22

Date and Station		Phase (GCT) h m s
July 9, cont.		
HH	e(P)	21 26 26
PF	iP	21 26 25
July 9		
SH	eP	21 39 47
July 10		
BC	e(P)	00 09 47
HUAN	eL	00 15 45
HH	e(P)	00 11 20
PF	e(P)	00 09 57
SLC	eL	00 26 24
TUC	e(P)	00 09 12
July 10		
HH	iP	01 44 56
	i(pP)	45 22
PF	e(P)	01 44 05
SH	iP	01 44 48
TUC	eP	01 43 37
	e	44 02
July 10		
HH	e(P)	02 25 01
July 10		
SH	eP	05 44 41
July 10		
HUAN	eL	06 48 38
SH	iP	06 12 38
July 10		
SH	eP	06 15 08
July 10		
SH	eP	07 15 55

Date and Station		Phase (GCT) h m s
July 10, cont.		
PF	eP	13 59 44
TUC	e(P)	13 59 51
	e	14 00 49
July 10		
PF	iP	20 19 28
	i	19 35
SH	eP	20 17 39
	iP	17 39.2
	iP	17 47.1
	iS	18 21.7
July 11		
BC	e(P)	06 59 34
HH	iP	06 58 23
PF	e(P)	06 59 29
TUC	iP	06 58 44
	e	07 05 30
	e	07 39
	eL	08 16
July 11		
PF	e(P)	12 07 51
July 11		
HH	iP	12 15 48
July 11		
PF	iP	15 45 37
TUC	iP	15 46 15
July 11		
HUAN	eL	16 59 20
TUC	e(P)	16 57 35
July 11		
PF	e(P)	17 38 15
July 11		
HUAN	eL	18 47 32

Date and Station		Phase (GCT) h m s
July 11, cont.		
PF	e(P)	19 33 09
July 11		
BC	e(P)	20 00 27
	e	01 56
PF	eP	20 00 18
	i	00 42
	i	02 09
SH	iP	19 59 37.3
July 11		
HH	eP	21 00 28
July 12		
HH	eP	00 40 08
July 12		
BC	iP	02 54 22
	ipP	55 11
HH	iP	02 54 59
PF	eP	02 54 26
	epP	55 14
SH	iP	02 54 09.3
TUC	iP	02 54 27
	i	54 33
	ipP	55 15
	e	56 15
July 12		
HH	eP	03 31 11
	iP	31 12
	iS	31 33
July 12		
PF	e(P)	05 10 24
TUC	iP	05 10 25
July 12		
SH	i(P)	06 36 44.4

Date and Station		Phase (GCT) h m s
July 12, cont.		
SH	iP	07 19 43.6
July 12		
PF	eP	07 30 09
	iS	30 29
SH	e(P)	07 29 06
July 12		
BC	eP	17 17 06
HH	eP	17 17 20
PF	eP	17 17 03
July 12		
BC	eP	17 18 56
BUT	e	17 27 13
	eL	32 07
HH	iP	17 19 20
PF	iP	17 18 53
	eL	27 00
SLC	eL	17 27 01
TUC	iP	17 18 06
	e	19 02
	eS	22 37
	eL	24 25
July 12		
SH	iP	17 37 51.6
July 12		
BC	e(P)	18 05 29
HH	iP	18 03 50
PF	iP	18 05 31
July 12		
BUT	e	19 05 45
	eL	06 14
GC	e	19 08 42

Date and Station		Phase (GCT) h m s
July 12, cont.		
HH	eP	19 05 16
PF	e	19 07 12
July 12		
HH	eP	20 16 05
July 12		
BC	e(P)	23 20 59
HH	eP	23 21 14
PF	e(P)	23 20 54
SJ	eL	23 31 07
TUC	iP	23 20 12
	i	20 35
	e(S)	24 26
	eL	28 18
July 13		
SH	eP	11 13 22
July 13		
SH	iP	15 52 05
July 13		
HH	iP	17 49 08
July 13		
BC	iP	18 25 11
HH	iP	18 24 06
PF	iP	18 25 12
SH	iP	18 24 14
TUC	iP	18 25 44
July 13		
BC	e(P)	20 21 43
BUT	eL	20 35 12
HH	eP	20 19 22
	i	22 57
PF	i(P)	20 21 41

Date and Station		Phase (GCT) h m s
July 13, cont.		
SLC	eL	20 32 25
SH	eP	20 19 19
TUC	iP	20 20 55
	i	21 10
	eL	27 10
July 14		
BC	e(P)	10 22 34
HH	iP	10 22 03
PF	e(P)	10 22 17
	i	22 35
TUC	e(P)	10 22 40
July 14		
PF	e(P)	12 45 39
TUC	eP	12 45 44
July 14		
PF	e(P)	15 52 47
July 14		
BOZ	eL	20 42 51
TUC	eL	20 34 40
July 14		
BER	ePKS	22 52 30
	e(SKS)	56 28
	eSKKKS	58 40
	ePPS	23 04 20
	eSS	10 05
	ePSPS	11 30
	eL	25 24
T_L = 18 sec. $A_{max.}$ = 2mm.		
BOZ	eP	22 43 12
	e(PP)	47 12
	eSKS	53 45
	e(SKKS)	54 38
	ePS	56 26
	eSS	23 01 56
	e(SSS)	05 30
	eL	11 28

Date and Station		Phase (GCT) h m s
July 14, cont.		
BUR	eP'	22 48 15
	ePKS	51 53
	ePS	23 01 07
	ePPS	02 34
	eSS	08 15
	eL	26 15
BUT	e(P)	22 43 35
	ePP	47 07
	e(S)	54 38
	e	55 14
	e	58 13
	eL	23 11 08
CHI	ePP	22 49 11
	ePPP	51 59
	ePS	59 01
	eSS	23 05 39
	eL	17 35
COL	e(P)	22 41 54
	eS	51 57
	ePS	52 51
	e	56 25
	e	57 11
	eSSS	23 01 12
	eL	02 19
GC	eP	22 42 31
HONO	eP	22 39 28
	e(S)	47 26
	eScS	49 14
	eSS	52 22
	eL	53 53
T_L = 13 sec. $A_{max.}$ = 3mm.		
T_L = 20 sec. A = 1.5mm.		
HUAN	e(P')	22 49 10
	ePKS	52 25
	e	57 10
	eSKKS	58 12
	ePPS	23 03 38
	eSS	09 32
	eSSS	14 29
	eL	25 28

Date and Station		Phase (GCT) h m s
July 14, cont.		
HH	eP	22 42 50
	iP	42 52
LIN	e(PS)	22 57 44
	eSS	23 04 16
	eL	17 05
LOG	ePP	22 47 10
	eS	54 58
	eSS	23 01 48
	eL	11 02
PHIL	ePP	22 50 26
	ePKS	52 01
	e(PPP)	53 05
	eSS	23 07 02
	eL	22 05
PF	eP	22 42 52
RC	ePP	22 48 18
	e(SKKS)	55 14
	ePS	57 12
	eSS	23 03 20
	eSSS	07 07
	eL	14 28
SJ	eP'	22 48 56
	e(SKS)	56 42
	eSKKS	59 08
	eSS	23 12 09
	e(SSS)	16 45
	eL	27 57
SH	eP	22 42 19
	iP	42 23
SIT	eP	22 42 04
	eS	52 24
	e	53 14
	eL	23 04 42
TUC	eP'	22 47 09
	ePP	47 44
	e	48 24
	ePPP	49 50
	eSKS	53 50
	ePS	56 37
	eSS	23 02 26
	eL	16 22

Date and Station		Phase (GCT) h m s
July 14, cont.		
UK	ePS	22 54 19
	e	57 19
	eSS	23 01 03
	eL	08 21
July 15		
BC	e(P)	01 43 20
TUC	eP	01 42 48
July 15		
HH	iP	05 01 56
July 15		
HH	eP	06 44 33
July 15		
BH	eP	06 47 02
	iS	48 05
BC	eP	06 53 34
HUAN	eP	06 50 53
PF	eP	06 53 31
TUC	e(P)	06 52 52
July 15		
BC	e(P)	10 11 20
PF	eP	10 11 18
TUC	iP	10 10 21
July 15		
BER	eP	11 10 00
	ePP	11 41
	eS	16 16
	eL	19 26
BC	eP	11 07 51
BOZ	eP	11 09 09
	eS	14 48
	eL	17 34
BUR	eP	11 10 15
	e(S)	17 47
	eL	23 30

Date and Station		Phase (GCT) h m s
July 15, cont.		
BUT	eP	11 09 09
	ePP	10 39
	eS	14 55
	eL	17 43
CHI	eP	11 08 56
	ePP	10 08
	eS	14 28
	eL	16 31
COL	eS	11 20 56
	eSS	25 08
	eL	28 17
GC	eP	11 09 40
HONO	eS	11 19 04
	eL	24 24
HUAN	eP	11 09 11
	ePP	10 40
	eS	14 29
	i	15 00
	eL	17 58
HH	eP	11 09 32
	iP	09 34
LIN	eP	11 08 37
	e	11 22
	eS	13 23
	eL	14 55
LOG	e	11 09 18
	ePP	09 55
	eS	13 50
	eL	17 04
NK	eP	11 09 09
	e(PP)	10 24
	eS	15 18
PHIL	eP	11 09 36
	iPP	11 03
	eS	15 36
	i	16 08
	eL	23 45

Date and Station		Phase (GCT) h m s
July 15, cont.		
PF	eP	11 07 50
RC	eP	11 08 53
	e	10 45
	eS	14 20
	e	15 54
	eL	16 32
SJ	eP	11 09 21
	eS	15 10
	iS	15 15
	e	16 30
	eL	17 25
SH	eP	11 08 52
SIT	eP	11 11 32
	eS	18 56
	eL	24 04
TUC	eP	11 07 09
	iP	07 10
	i	07 30
	i	07 40
	i	08 21
	e	10 51
	eS	11 26
	eL	12 12
UK	e(S)	11 15 23
	eL	18 20
July 15		
BC	eP	11 52 45
PF	eP	11 52 45
TUC	iP	11 52 04
July 15		
BC	iP	19 30 48
SH	eP	19 30 38
TUC	iP	19 30 53
	i	31 11
July 15		
HH	eP	23 14 23

Date and Station		Phase (GCT) h m s
July 16		
HH	iP	02 36 56
July 16		
HH	iP	03 16 35
July 16		
BC	eP	04 18 16
	e(S)	19 14
PF	eP	04 18 15
	e(S)	19 15
	iL	19 55
TUC	eP	04 17 43
	i	17 56
	i(S)	18 36
	iL	18 50
July 16		
PF	eP	06 18 22
TUC	iP	06 18 25
July 16		
BH	eP	07 15 18
	eL	22 39
BER	eP	07 18 26
	eS	23 22
	eL	24 55
T_L = 15 sec. $A_{max.}$ = 3.5mm.		
BC	iP	07 18 33
	ipP	18 48
	iPcP	21 32
	eScP	25 21
BUR	ePP	07 20 22
	e(S)	25 24
	eL	27 19
BUT	ePP	07 21 04
	e(S)	26 39
	eL	28 05
CHI	eP	07 18 19
	eS	22 43
	e	23 11
	e	23 59
	eL	25 27

Date and Station		Phase (GCT) h m s
July 16, cont.		
COL	e	07 30 05
	eL	38 32
GC	iP	07 20 03
HUAN	eP	07 18 38
	eS	23 40
	eL	25 14
HH	iP	07 19 47
	iPcP	21 55
	iScP	25 41
LIN	eL	07 23 01
LOG	eP	07 18 51
	e	19 01
	eS	24 01
PHIL	eP	07 18 21
	ipP	18 39
	eS	23 11
PF	iP	07 18 30
	ipP	18 44
	isP	18 53
	i(PcP)	21 30
	e(S)	24 15
RC	e(P)	07 19 33
SJ	eP	07 18 02
	ipP	18 15
	esP	18 27
	eS	22 23
	eL	23 10
SH	eP	07 19 34
	ipP	19 50
	ePcP	21 52
TUC	iP	07 17 48
	i	17 59
	ipP	18 08
	isP	18 20
	iPcP	21 21
	eS	22 14
	eL	22 52

Date and Station		Phase (GCT) h m s
July 16, cont.		
UK	e(S)	07 27 09
	e	27 57
	eL	29 30
July 16		
BC	iP	07 25 44
	ipP	25 59
	isP	26 25
	ePcP	28 39
BOZ	eP	07 26 32
	ePP	27 55
	eS	32 04
	eL	37 29
CHI	eP	07 25 23
	i(S)	30 35
	eL	32 27
COL	eS	07 38 34
	eScS	39 50
	eL	45 04
GC	iP	07 27 15
HUAN	iP	07 25 50
	eS	30 53
	eL	32 56
HH	i(P)	07 26 59
	i	28 09
LIN	eL	07 29 29
LOG	iP	07 26 02
	e	26 53
	eS	30 54
	eL	33 48
PHIL	eP	07 25 38
	iS	30 30
	eL	34 45
PF	iP	07 25 41
	ipP	25 59
	isP	26 18
	iPP	27 08

Date and Station		Phase (GCT) h m s
July 16, cont.		
RC	e(P)	07 26 34
	eS	30 54
	eL	32 18
SJ	e(P)	07 25 32
	e(S)	29 00
	iL	30 06
SIT	eP	07 29 02
	ePP	31 28
	eS	36 36
	eScS	38 42
	eSS	40 20
	eL	42 12
TUC	eP	07 24 57
	iP	25 02
	ipP	25 18
	isP	25 30
	iPP	25 52
	iPcP	28 24
	i(S)	30 26
	iScP	32 10
July 16		
BC	iP	07 32 24
PF	iP	07 32 25
July 16		
BC	e(P)	11 12 48
COL	eL	11 12 50
HH	eP	11 11 45
PF	e(P)	11 12 45
SH	iP	11 11 39
	i	11 49
SIT	e	11 09 40
	eS	13 52
	eL	16 48
TUC	eP	11 13 19
July 16		
BC	e(P)	12 54 24

Date and Station		Phase (GCT) h m s
July 16, cont.		
HH	eP	12 53 16
PF	eP	12 54 15
	i	54 27
SH	eP	12 53 07
TUC	e(P)	12 54 50
July 16		
HH	eP	13 10 45
PF	e(P)	13 11 50
	i	13 15
SH	e(P)	13 10 13
TUC	e	13 12 09
	i	12 20
July 16		
HH	eP	18 09 37
	iS	09 51
July 16		
BC	e(P)	19 08 18
HH	eP	19 07 44
PF	iP	19 07 24
SH	iP	19 07 07.5
TUC	iP	19 07 27
	i	07 42
July 16		
PF	iP	19 30 52
July 17		
GC	iP	06 27 13
	iS	27 24
HH	iP	06 28 18
July 17		
HH	i(P)	06 49 09

Date and Station		Phase (GCT) h m s
July 17, cont.		
SH	eP	07 34 03
	iS	34 36.5
July 17		
BC	iP	09 36 56
	ipP	37 12
CHI	e(S)	09 41 27
	eL	42 27
HH	iP	09 38 12
	iPcP	40 20
PF	iP	09 36 43
	ipP	37 06
	e(S)	41 50
SJ	e(P)	09 36 20
	e(S)	41 24
	eL	42 06
TUC	iP	09 36 12
	ipP	36 26
	iPP	36 52
	e	38 11
	e	39 12
	e	41 36
	iScP	43 20
	eL	44 04
July 17		
HH	eP	14 43 39
July 17		
BC	iP	14 53 27
GC	i(P)	14 52 24
PF	iP	14 53 30
TUC	iP	14 53 38
July 17		
HH	eP	19 01 29
July 17		
GC	iP	22 29 39.0
	iS	29 44.5

Date and Station		Phase (GCT) h m s
July 18		
BC	iP	03 19 08
HH	i(P)	03 20 23
	i	22 32
PF	i(P)	03 19 03
	i(pP)	19 19
SH	iP	03 22 27
TUC	iP	03 18 23
	ipP	18 38
	iPcP	20 56
	i	21 09
July 18		
HH	iP	05 35 23
July 18		
BER	eP'	07 03 45
	ePP	07 20
	eSKKKS	14 12
	e	17 42
	ePPS	19 16
	eSS	26 18
	eL	45 13
BC	eP'	07 02 09
BUT	ePP	07 03 33
	eSKKS	10 03
	ePS	12 31
	eSS	18 41
	eL	37 07
CHI	ePKS	07 05 57
	ePPS	16 39
	e(SS)	21 15
	eL	37 07
COL	eS	07 06 52
	eSS	12 54
	e	20 47
HONO	eS	07 05 48
	eL	25 12

Date and Station		Phase (GCT) h m s
July 18, cont.		
HUAN	eP'	07 03 34
	e	04 53
	ePP	07 52
	ePKS	08 38
	eSKS	11 04
	e(SKKS)	14 00
	eSKSP	17 52
	ePPS	21 20
	eSS	27 32
	eSSS	35 30
	eL	59 30
HH	eP	06 58 02
PF	eP''	07 02 11
	ePKKP	12 37
RC	ePS	07 13 34
	eSS	20 27
	eL	35 08
SJ	eP'	07 04 04
	ePKS	08 18
	e(SKSP)	17 26
SH	eP	06 57 48
	eP'	07 01 40
	iPKKP	13 16
SIT	eP	06 56 48
	ePP	07 00 36
	eSKS	07 40
	e(PS)	09 44
	ePPS	10 20
	eSS	14 44
	eL	24 02
TUC	iP'	07 02 17
	i	02 26
	ePP	03 43
	ePKKP	12 23
	ePS	13 28
	e(SS)	21 14
	eL	46 32
July 18		
BC	e(P)	10 26 06
PF	e(P)	10 26 09

Date and Station		Phase (GCT) h m s
July 18, cont.		
TUC	eP	10 26 07
July 18		
PF	e(P)	12 00 03
July 18		
TUC	eP	13 45 27
July 18		
HH	eP	20 20 25
SH	e(P)	20 20 14
TUC	eP	20 25 27
July 18		
BER	eL	23 33 15
BC	i(P)	22 43 06
	e(S)	46 49
BOZ	e	22 54 12
	e	56 14
	eL	23 15 30
BUR	e	23 01 22
	eL	23 30
BUT	eL	23 14 23
CHI	eL	23 23 01
COL	eL	23 01 32
GC	e(P)	22 41 55
HONO	e	22 47 06
	eL	53 46
HUAN	eL	23 29 08
HH	eP	22 43 09
LIN	eL	23 24 15
PF	iP	22 43 09
RC	eL	23 18 14

Date and Station		Phase (GCT) h m s
July 18, cont.		
SH	eP	22 42 39
SIT	e	22 42 16
	e	52 42
	e	54 04
	e	58 18
	eL	23 05 08
TUC	eP	22 43 23
	eL	23 14 37
UK	eL	23 12 45
July 18		
BC	e(P)	23 03 08
PF	e(P)	23 02 12
July 18		
SJ	e(P)	23 31 36
	eL	40 30
July 19		
BC	e(P)	04 38 49
PF	e(P)	04 37 51
July 19		
HH	eP	09 43 29
July 19		
HH	eP	10 17 11
	iS	17 38
July 19		
PF	e(P)	11 17 23
	i	17 50
SH	eP	11 17 52
July 19		
HH	eP	11 24 00
July 19		
SH	iP	17 00 56
July 19		
SH	i(P)	21 44 30

Date and Station		Phase (GCT) h m s
July 19, cont.		
BER	eS	22 37 50
	eL	39 14
BC	eP	22 32 26
	i(PcP)	35 52
BOZ	e	22 36 20
	eS	38 44
BUR	eL	22 42 00
BUT	eS	22 39 25
	eL	42 11
CHI	eS	22 36 32
	iL	37 12
HH	eP	22 33 34
	ePcP	35 54
LOG	eS	22 37 59
	eL	39 13
PF	iP	22 32 22
RC	eL	22 38 32
SJ	eL	22 37 06
SH	iP	22 33 28
	e	35 44
TUC	iP	22 31 38
	i	31 54
	i	32 12
	iPcP	35 12
	eS	36 19
	eL	39 28
July 19		
HH	eP	23 23 36
	i	23 48
	iS	24 46
July 20		
HUAN	eL	00 29 48
TUC	eP	00 17 39

Date and Station		Phase (GCT) h m s
July 20, cont.		
BER	ePP	01 04 08
	ePKS	04 28
	ePS	13 22
	eL	39 35
BC	e(P)	00 54 51
BOZ	e(SKS)	01 05 30
	ePS	08 14
	eL	25 16
BUR	eL	01 40 15
CHI	eL	01 37 16
COL	e	01 04 12
	eL	18 31
HONO	eS	00 58 53
	eL	01 05 34
HUAN	eL	01 41 46
RC	eL	01 28 32
SJ	eL	01 52 19
SH	iP	00 54 28
SIT	eP	00 55 10
	ePP	58 58
	eSKS	01 04 32
	eS	05 36
	eSS	11 44
	eSSS	15 08
	eL	18 01
TUC	eP	00 55 09
	ePP	58 55
	e	01 08 04
	eL	21 40
UK	eL	01 22 15
July 20		
BC	e(P)	04 43 51
HUAN	eP	04 35 05
	e	35 27

Date and Station		Phase (GCT) h m s
July 20, cont.		
PF	iP	04 41 18
	i	41 44
TUC	eP	04 42 22
	i	42 40
	i	42 48
July 20		
BC	e(P)	08 12 33
	e	14 42
PF	e(P)	08 11 49
	i	13 34
SH	iP	08 12 34
TUC	e(P)	08 14 18
July 20		
GC	e(P)	09 03 00
July 20		
BH	eP	11 07 42
	eS	12 25
BER	iP	11 11 05
	ePP	13 00
	eS	18 15
BC	iP	11 12 57
	ePP	15 22
	e(S)	21 58
	eP'P'	41 45
BOZ	iP	11 13 31
	e(S)	22 41
	eScS	23 10
	iPS	23 28
	eL	30 10
BUR	iP	11 12 23
	ipP	12 49
	ePP	14 41
	ePPP	16 23
	eS	20 24
	isS	21 08
	i(ScS)	22 09
	eSS	24 32
	eL	27 45

Date and Station		Phase (GCT) h m s
July 20, cont.		
BUT	iP	11 13 36
	ePP	16 35
	eS	22 53
	eSS	27 24
	eL	32 33
CHI	iP	11 12 12
	e(PP)	15 10
	iS	20 12
	iScS	22 00
	e	22 28
	eSS	24 24
	esSS	25 08
	eL	27 16
COL	eP	11 15 51
	ePP	19 56
	eSKS	26 28
	ePS	28 45
	eSS	33 48
	eL	44 11
GC	iP	11 14 03
	ipP	14 33
	eS	23 43
HONO	eS	11 25 54
	eSS	32 16
HUAN	eP	11 03 32
	iP	03 33
HH	iP	11 13 47
LOG	iP	11 13 10
	ipP	13 44
	ePP	15 37
	epPP	16 03
	eS	22 04
	iScS	23 02
	eSS	26 16
	esSS	27 18
	eL	29 58
NK	iP	11 12 04
	iS	19 54
	isS	20 20
	iScS	21 42

Date and Station		Phase (GCT) h m s
July 20, cont.		
PF	iP	11 12 55
	ipP	13 10
	iPcP	13 25
	i(PP)	15 00
	eS	21 34
	eP'P'	41 30
RC	iP	11 13 04
	ePP	15 19
	eS	21 37
	eScS	22 34
	eSS	25 47
	eL	29 27
SJ	iP	11 09 05
	epP	09 33
	ePP	10 38
	esPP	11 02
	eS	14 36
	eL	17 04
SH	eP	11 13 42
SIT	iP	11 15 12
	e	17 06
	ePP	18 38
	iSKS	25 36
	eS	25 59
	ePS	27 20
	eSS	31 24
	eL	39 24
TUC	iP	11 12 23
	ipP	12 39
	i	12 44
	i	13 26
	i	13 54
	ePP	14 59
	eS	20 32
	eSS	24 19
	e(SSS)	25 34
	eL	27 05
	eP'P'	41 44
	iP'P'	42 03
UK	eP	11 13 46
	eS	23 08
	esS	23 35

Date and Station		Phase (GCT) h m s
July 20, cont.		
UK, cont.		
	eSS	11 27 41
	eSSS	31 13
	eL	36 57
July 20		
SH	eP	14 55 14
July 20		
SH	e(P)	15 25 51
July 20		
PF	e(P)	16 53 49
SH	iP	16 54 50.5
July 20		
PF	e(P)	17 27 19
	e(S)	29 09
TUC	eP	17 28 11
	i	28 23
	eS	29 13
	iS	29 22
	iL	29 29
July 20		
HH	e(P)	18 14 59
July 20		
GC	e(P)	20 22 09
HH	iP	20 20 37
	iS	23 12
July 21		
BER	e	00 57 43
	eL	01 01 28
SJ	e	01 02 32
	eL	04 22
TUC	e(P)	01 03 05
July 21		
BC	eP	03 47 05
PF	eP	03 47 04

Date and Station		Phase (GCT) h m s
July 21, cont.		
TUC	eP	03 46 06
	i	46 14
July 21		
HUAN	eP	04 19 02
	eL	20 54
July 21		
HH	eP	08 04 26
July 21		
BC	eP	08 51 15
PF	eP	08 51 20
TUC	eP	08 50 30
	eL	56 02
July 21		
BC	eP	11 46 30
	e(S)	54 37
BUT	e	11 58 16
	eL	12 01 01
PF	eP	11 46 27
	eS	53 20
	eL	12 10 20
RC	eL	11 56 01
TUC	eP	11 45 35
	eL	50 49
July 21		
BC	e(P)	12 03 18
PF	e(P)	12 03 15
RC	eL	12 12 44
TUC	eP	12 02 22
	eL	07 40
July 21		
TUC	eP	12 52 07
	eL	58 09

Date and Station		Phase (GCT) h m s
July 21, cont.		
SJ	eL	15 44 02
July 21		
BC	iP	15 59 43
	e	16 00 02
PF	iP	15 58 45
	i(pP)	59 00
SH	eP	15 59 58
TUC	iP	16 00 18
	i	00 33
July 21		
PF	iP	21 50 27
TUC	iP	21 51 59
July 22		
HH	iP	06 59 56
July 22		
TUC	eP	12 55 29
	i	55 42
	i(S)	56 25
	iL	56 36
July 22		
TUC	iP	15 45 55
July 22		
HH	e(P)	16 50 09
TUC	iP	16 47 40
July 22		
PF	iP	17 30 33
TUC	iP	17 32 04
July 22		
BER	eL	18 04 18
TUC	eP	18 00 23
July 22		
BC	e(P)	19 08 09

Date and Station		Phase (GCT) h m s
July 22, cont.		
PF	eP	19 08 04
July 22		
BER	eS	20 21 38
	eSS	25 15
	eL	31 09
BOZ	eP	20 08 31
	e(S)	11 42
	eL	12 11
BUR	e(S)	20 19 42
	eL	26 00
BUT	eP	20 08 19
	eL	11 28
CHI	eS	20 16 44
	eL	20 44
COL	eP	20 09 34
	eS	13 05
	eL	14 10
GC	eP	20 07 17
HONO	eL	20 20 25
T_L = 8 sec. $A_{max.}$ = 3mm.		
HH	iP	20 08 28
LIN	eL	20 17 40
LOG	eP	20 08 59
	eS	11 50
	eL	13 00
RC	eP	20 09 50
	eS	13 34
	eL	15 45
SH	eP	20 08 01
SIT	eP	20 07 16
	e(S)	08 36
	eL	09 12
	iL	09 50

Date and Station		Phase (GCT) h m s
July 22, cont.		
TUC	iP	20 10 29
	iPP	11 05
	eS	14 42
	eL	16 31
UK	e	20 09 19
	eL	11 41
July 22		
BER	eL	21 18 17
BC	e(P)	20 56 53
	e	57 15
BOZ	eL	20 59 28
BUR	eL	21 12 08
BUT	eL	20 58 47
CHI	e(S)	21 04 28
	eL	08 20
GC	iP	20 54 34
HONO	eL	21 07 24
HH	iP	20 55 38
	i	55 43
LIN	eL	21 03 22
LOG	eP	20 56 14
	eS	59 05
	eL	21 00 30
PF	eP	20 56 54
RC	eP	20 57 05
	eS	21 00 42
	eL	02 55
SH	eP	20 55 18
SIT	eS	20 56 10
	iL	56 48
TUC	iP	20 57 46
	eS	21 01 58
	eL	02 17

Date and Station		Phase (GCT) h m s
July 22, cont.		
UK	eL	20 58 25
July 23		
PF	e(P)	11 33 53
July 23		
BER	ePP	12 44 18
	eSKKKS	51 01
	eSKSP	53 48
	eSS	13 02 22
	eL	24 03
BOZ	eP	12 35 16
	eSKS	45 44
	eL	13 08 24
BUR	ePP	12 42 40
	ePS	52 08
	e(SS)	13 01 45
	eL	18 22
BUT	ePP	12 39 43
	eSKS	45 38
	e	50 21
	eL	13 03 17
CHI	eL	13 18 54
COL	eS	12 44 02
	e	44 31
	e	49 04
	eL	56 32
HONO	e	12 33 21
	e(S)	39 44
	e	42 51
	eL	46 43
HUAN	eP'	12 40 24
	ePP	44 02
	ePKS	44 42
	eSKS	48 14
	eSKSP	52 53
	eSS	13 01 47
	eSSS	06 32
	eL	24 50
HH	iP	12 35 14

Date and Station		Phase (GCT) h m s
July 23, cont.		
LIN	eSKKS	12 48 12
	e(S)	49 14
	eSS	58 40
	eL	13 09 26
RC	eP'	12 39 38
	eS	48 30
	ePS	49 25
	ePPS	51 44
	eSS	55 26
	eL	13 13 14
SH	e(P)	12 34 27
SIT	eP	12 34 02
	eS	44 24
	e	45 26
	e(SS)	50 02
	eSSS	55 02
	eL	56 58
TUC	e	12 38 03
	iP'	39 23
	ePP	40 08
	eSKS	45 51
	eS	47 26
	ePS	49 40
	eSS	53 50
	eL	13 04 20
UK	ePS	12 47 16
	eSS	53 10
	eL	13 03 32
July 23		
BER	eL	20 21 22
HUAN	eL	20 27 06
HH	eP	20 11 56
	i	11 59
July 23		
HH	eP	20 16 43
	iS	16 54
July 23		
HH	e(P)	20 42 51

Date and Station		Phase (GCT) h m s
July 23, cont.		
HUAN	eP	20 56 32
July 23		
BER	eL	21 15 25
HUAN	eP	21 08 29
	e	11 22
	e(PP)	11 53
	eS	16 19
	eL	19 39
July 23		
HH	i(P)	22 06 23
July 23		
HH	e(P)	23 32 43
PF	eP	23 32 13
SIT	eL	23 32 04
July 24		
HUAN	e(P)	02 29 21
PF	eP	02 34 51
TUC	iP	02 35 55
July 24		
HUAN	eL	04 57 06
July 24		
BER	eP	06 14 28
	eS	23 38
	iS	23 50
	iScS	24 41
	eSS	28 28
	eL	34 03
T_S = 10 sec. A = 2mm.		
T_L = 20 sec. $A_{max.}$ = .8 mm.		
BC	iP	06 16 56
	ePP	20 59
	ePKKP	33 12
BOZ	eP	06 16 13
	e	17 28

Date and Station		Phase (GCT) h m s
July 24, cont.		
BOZ, cont.		
	e(PP)	06 20 16
	eS	26 32
	iS	27 00
	eL	43 16
BUR	eP	06 14 32
	iS	23 46
	eSS	28 10
	eL	31 52
BUT	eP	06 16 12
	ePP	19 53
	eSKS	26 40
	iScS	27 30
	ePPS	28 34
	eSSS	37 19
	eL	40 07
CHI	eP	06 15 26
	ePP	18 32
	iS	25 32
	e(PPS)	27 04
	e	32 12
	eL	38 04
COL	eP	06 15 23
	eS	25 26
	iScS	25 51
	ePPS	26 19
	e	27 23
	eSS	30 23
	eL	36 19
GC	iP	06 16 16
	eSKS	26 45
HONO	ePP	06 23 50
	eSKS	29 26
	ePS	34 13
	eSS	40 40
	eL	07 05 38
HUAN	ePP	06 21 37
	ePPP	24 12
	eSKS	27 52
	i	28 22
	eSKKS	28 36
	iS	29 06

Date and Station		Phase (GCT) h m s
July 24, cont.		
HUAN, cont.		
	ePS	06 31 13
	ePPS	32 06
	eSS	36 18
	eL	45 40
HH	eP	06 16 06
	iS	26 59
LIN	eP	06 15 58
	ePP	19 20
	eSKS	26 14
	iS	26 31
	iScS	26 55
	eSSS	35 35
	eL	44 06
LOG	eP	06 16 25
	eSKS	26 52
	iS	27 20
	e	32 34
	eL	41 59
PHIL	eP	06 14 59
	i	15 11
	iS	24 35
	i	24 56
	eL	38 18
PF	iP	06 16 54
	i	17 09
	ePP	20 54
	ePKKP	33 23
RC	eP	06 16 05
	ePP	19 42
	ePPP	21 42
	eSKS	26 23
	iPS	27 43
	eSS	32 31
	eSSS	36 01
	eL	39 25
SJ	eP	06 15 18
	e	15 34
	eS	25 18
	iS	25 20
	eSS	31 39

Date and Station		Phase (GCT) h m s
July 24, cont.		
SH	eP	06 16 50
SIT	iP	06 15 56
	iS	26 20
	iScS	26 56
	i	28 16
	eL	39 02
TUC	iP	06 17 01
	i	17 22
	eP'	20 35
	ePP	21 04
	iPP	21 08
	eSKS	27 33
	ePS	29 30
	i	30 32
	iPKKP	33 32
	eSS	35 41
	eP'P'	41 46
	eL	44 54
UK	e	06 22 45
	eS	28 26
	ePS	29 34
	e(SS)	36 31
	eL	47 42
July 24		
PF	eP	13 43 21
SIT	eL	13 45 32
TUC	iP	13 46 31
July 24		
BC	e(P)	13 54 20
HH	eP	13 54 48
PF	eP	13 54 20
TUC	e(P)	13 55 13
July 24		
BC	iP	14 34 21
GC	iP	14 34 36
HONO	e	14 36 10
	eL	40 28

Date and Station		Phase (GCT) h m s
July 24, cont.		
HH	iP	14 35 23
PF	iP	14 34 24
	epP	35 21
RC	eS	14 45 42
SH	iP	14 34 05
TUC	iP	14 34 28
	epP	35 52
July 24		
HUAN	eL	16 49 36
July 25		
BC	e(P)	00 22 11
HONO	e	00 27 32
	eL	30 30
HH	e(P)	00 23 12
PF	eP	00 22 03
TUC	eP	00 22 15
July 25		
PF	iP	03 41 50
July 25		
BC	e(P)	04 21 39
PF	eP	04 21 26
July 25		
TUC	iP	05 41 54
July 25		
HH	eP	05 45 04
SH	eP	05 44 34
	i	44 36
TUC	eP	05 44 50
July 25		
TUC	iP	05 48 28
	e	48 56

Date and Station		Phase (GCT) h m s
July 26		
BH	iP	03 34 07
	i(S)	34 45
BC	iP	03 41 50
HUAN	iP	03 38 09
	eS	41 48
	eL	43 41
HH	iP	03 42 40
SJ	eP	03 37 18
	e	37 30
	eS	40 13
	eL	40 38
SH	iP	03 42 43
TUC	iP	03 41 10
	i	41 20
	ePP	42 40
	ePcP	43 04
July 26		
BH	iP	06 11 58
	iS	12 37
HUAN	eP	06 16 07
	eL	21 08
SJ	eL	06 19 20
July 26		
HH	eP	11 39 24
	iP	39 35
	iS	39 38
July 26		
BC	eP	13 05 38
HUAN	iP	12 56 05
	i(S)	56 35
	iL	56 58
HH	iP	13 06 31
SH	eP	13 06 22
TUC	eP	13 05 02

Date and Station		Phase (GCT) h m s
July 26, cont.		
BC	eP	17 34 24
	ipP	34 36
BUT	eL	17 45 31
CHI	e	17 42 38
	eL	45 44
HH	i(P)	17 36 03
PHIL	eL	17 49 55
PF	iP	17 34 26
RC	eL	17 40 31
SLC	e	17 39 20
	eL	41 42
TUC	iP	17 33 27
	i	34 39
	e(S)	36 20
	eL	37 03
July 26		
BC	iP	17 50 45
	i	50 52
	iS	51 27
	iL	52 16
PF	iP	17 50 58
	i	51 08
	i	51 25
	i(S)	51 50
SH	iP	17 56 33
TUC	iP	17 51 43
	i(S)	53 31
	iL	53 49
July 26		
BC	iP	18 13 08
	i(pP)	13 24
	i	13 37
PF	iP	18 13 14
	ipP	13 30

Date and Station		Phase (GCT) h m s
July 26, cont.		
GC	e(P)	19 13 33
HH	iP	19 12 54
	e	13 20
PHIL	eL	19 34 40
SH	iP	19 12 43
TUC	eP	19 13 19
	e	13 36
	eL	44 40
July 26		
HUAN	eP	20 08 12
	iP	08 15
	i(S)	08 47
	iL	09 02
July 27		
SH	i(P)	03 48 15
July 27		
HH	iP	05 54 02
SH	i(P)	05 54 27
July 27		
SJ	eL	08 00 50
July 27		
PF	eP	12 59 40
TUC	eP	12 59 05
	e	59 10
	i(S)	13 00 06
	iL	00 17
July 27		
GC	e(P)	17 58 30
HH	iP	17 58 01
	iS	58 44
PF	iP	17 58 25
	i	59 11

Date and Station		Phase (GCT) h m s
July 27, cont.		
SH	iP	17 57 43
	iS	58 31
TUC	e(P)	17 58 41
	i	59 28
July 27		
HH	e(P)	18 08 00
July 27		
BUT	eL	18 28 04
GC	e(P)	18 25 33
HH	iP	18 18 44
July 27		
SH	iP	21 19 39
July 27		
SH	e(P)	21 51 06
July 27		
SH	iP	23 12 26
	i	12 39
July 28		
GC	e(P)	00 43 37
July 28		
GC	e(P)	00 46 56
July 28		
BUT	eL	08 17 04
COL	iP	08 02 45
	i(S)	02 51
	iL	02 57
GC	e(P)	08 14 39
HH	eP	08 07 54
	e	13 55
RC	eL	08 19 50
SLC	eL	08 19 20

Date and Station		Phase (GCT) h m s
July 28, cont.		
SIT	eL	08 07 32
TUC	eP	08 10 11
July 28		
BC	eP	08 24 39
BUR	e	08 26 28
	e	27 32
	eL	41 06
BUT	eL	08 30 26
CHI	eP	08 24 28
	e	29 40
	eL	38 16
COL	iP	08 16 53
	i(S)	17 03
	iL	17 15
GC	eP	08 21 46
	eL	28 41
HH	iP	08 22 02
	iL	29 33
LIN	eL	08 36 37
LOG	eL	08 33 15
NK	e	08 27 17
	eL	40 19
PHIL	e	08 27 01
	e	31 18
	eL	41 14
PF	eP	08 23 38
RC	eL	08 33 17
SLC	eL	08 32 52
SH	iP	08 22 36
SIT	eL	08 21 32

Date and Station		Phase (GCT) h m s
July 28, cont.		
TUC	iP	08 24 16
	i	24 26
	i	25 19
	eL	37 53
July 28		
HH	e(P)	10 13 24
PF	eP	10 13 06
SH	e(P)	10 11 20
TUC	eP	10 14 03
July 28		
TUC	e(P)	10 24 39
July 28		
BER	eS	14 32 50
	eL	35 10
BC	e(P)	14 30 43
BUR	eL	14 39 00
BUT	eL	14 54 36
HUAN	eP	14 26 34
	iP	26 36
	i	27 14
	e(S)	30 35
	eL	31 40
HH	iP	14 30 41
PF	eP	14 29 40
SJ	eP	14 26 08
	eS	29 44
	eL	30 50
TUC	iP	14 29 02
	e	30 14
	eS	34 56
	eL	39 23
July 28		
BER	eL	15 16 30

Date and Station		Phase (GCT) h m s
July 28, cont.		
BUR	eL	15 20 00
CHI	eL	15 18 00
COL	eL	15 49 20
HUAN	eP	15 10 29
	e	11 46
	e(S)	14 23
	eL	15 20
HH	i(P)	15 15 33
PHIL	e	15 17 42
	eL	20 17
PF	eP	15 13 30
SLC	e	15 19 12
	e	20 16
	eL	23 12
SJ	eP	15 10 04
	e	10 44
	eS	13 32
	eL	14 56
SIT	eL	15 42 28
TUC	eP	15 12 55
	e	13 40
	e	19 15
	eL	23 14
July 29		
BC	e(P)	00 44 09
	i	44 24
	i	47 39
BUR	eL	01 20 45
COL	e	00 44 23
	eL	50 22
HONO	eL	00 57 49
HH	eP	00 43 23
	i	43 24
	iPP	45 40

Date and Station		Phase (GCT) h m s
July 29, cont.		
PHIL	eL	01 15 24
PF	i(P)	00 44 14
	i	44 26
	iPP	46 44
SH	i(P)	00 43 18
	iPP	45 50
SIT	eL	00 48 16
TUC	eP	00 44 40
	i	44 54
	i	47 10
	eL	01 16 28
July 29		
BC	i(P)	00 48 57
	i	48 19
HH	iP	00 47 12
PF	iP	00 48 01
	i	48 14
SH	iP	00 47 00
TUC	iP	00 48 28
	i	48 41
July 29		
TUC	e(P)	06 41 31
July 29		
SH	i(P)	09 20 05
July 29		
SH	i(P)	13 09 55
July 29		
PF	iP	17 27 12
TUC	iP	17 27 15
July 29		
BER	eL	19 10 18
BC	e(P)	19 07 22
HUAN	eP	19 02 43

Date and Station		Phase (GCT) h m s
July 29, cont.		
HUAN, cont.		
	eS	19 06 44
	eL	08 20
HH	e(P)	19 06 47
PHIL	eL	19 09 56
PF	e(P)	19 05 45
SJ	e	19 02 18
	eL	04 56
TUC	eP	19 05 08
	eL	18 34
July 29		
HUAN	eP	20 02 46
PF	e(P)	20 05 47
TUC	e(P)	20 05 12
July 29		
SH	i(P)	20 33 14
July 29		
HUAN	e(P)	20 54 39
	eL	59 19
TUC	e(P)	20 57 02
July 29		
HH	iP	21 58 41
July 29		
HH	iP	23 11 21
PF	i(P)	23 12 23
July 30		
TUC	e(P)	00 56 25
	eL	01 31 52
July 30		
HH	iP	02 39 42
July 30		
BC	e(P)	02 57 10

Date and Station		Phase (GCT) h m s
July 30, cont.		
SH	iP	02 55 00
	i	55 24
TUC	eP	02 56 25
July 30		
HUAN	eL	04 43 08
July 30		
HONO	eP	12 27 28
	eL	28 31
July 30		
HONO	eP	12 31 31
	eL	32 15
July 30		
HUAN	eL	15 52 40
HH	iP	15 46 32
PHIL	e	15 44 15
	e	48 53
	eL	49 01
PF	eP	15 45 30
TUC	iP	15 44 53
	i	45 12
July 30		
TUC	eP	19 40 18
	i	40 30
	i(S)	41 19
	iL	41 29
July 30		
BC	eP	20 31 53
	eS	33 08
	eL	33 28
TUC	eP	20 29 28
	i	29 40
	i(S)	30 15
	iL	30 35
July 30		
HH	iP	21 31 01
SH	eP	21 30 49

Date and Station		Phase (GCT) h m s
July 31		
BUT	eL	00 34 26
HH	iP	00 25 26
	eS	32 33
PHIL	eL	00 44 41
SH	i(P)	00 26 06
SIT	eL	00 25 12
TUC	e(P)	00 27 46
July 31		
SH	i(P)	00 46 23
July 31		
BC	e(P)	06 22 08
HH	iP	06 20 12
PF	eP	06 21 00
SH	i(P)	06 20 09
TUC	e(P)	06 21 30
July 31		
HH	i(P)	16 06 01
	i	16 03
July 31		
HUAN	eP	16 17 38
	i	17 51
	eL	18 31
TUC	eP	16 26 28
July 31		
HH	i(P)	17 09 20
PF	eP	17 07 57
July 31		
BER	eS	19 15 18
BC	eP	19 12 05
BUR	e(P)	19 11 10
	e	14 08

Date and Station		Phase (GCT) h m s
July 31, cont.		
BUR, cont.	e	19 18 26
	eL	22 15
BUT	ePP	19 14 39
	eSS	22 42
	eL	23 38
CHI	eS	19 16 31
	eL	20 09
HUAN	eP	19 08 56
	e	09 20
	eL	12 48
HH	iP	19 13 02
NK	eS	20 16 14
	eL	18 25
PHIL	e	19 11 48
	eS	16 14
	eL	18 50
PF	iP	19 11 58
RC	eP	19 12 03
	eS	18 20
	eL	21 40
SLC	eP	19 12 11
	eS	18 43
	eL	21 51
SJ	eP	19 08 37
	e	10 28
	eS	12 08
	eL	13 58
SH	eP	19 13 02
SIT	eL	19 40 44
TUC	eP	19 11 24
	e	12 39
	eS	17 14
	eL	21 21
Aug. 1		
BH	e(P)	00 39 43

Date and Station		Phase (GCT) h m s
Aug. 1, cont.		
HH	iP	00 48 36
PF	eP	00 46(27)
TUC	iP	00 45 54
Aug. 1		
BH	eP	03 23 02
Aug. 1		
HUAN	e(S)	03 55 45
	eL	57 24
HH	e(P)	03 53 40
	i(P)	53 40.5
PF	eP	03 51 05
SH	iP	03 51 58
TUC	eP	03 50 32
	eL	04 01 18
Aug. 1		
HH	i(P)	04 11 50
Aug. 1		
BH	e	05 38 26
Aug. 1		
HH	i(P)	18 34 03
PF	e(P)	18(32)(15)
SH	iP	18 33 20
TUC	eP	18 31 42
	iP	31 43
	eL	38 26
Aug. 1		
SH	e(P)	21 12 25
Aug. 2		
HH	iP	01 38 17
Aug. 2		
HH	iP	01 40 41

Date and Station		Phase (GCT)
		h m s
Aug. 2, cont.		
HH	i(P)	02 08 19
Aug. 2		
BH	e	04 47 08
Aug. 2		
BH	e	05 44 26
Aug. 2		
HH	eP	08 16 45
PF	eP	08(16 08)
SH	iP	08 16 12
TUC	eP	08 16 16
Aug. 2		
BH	eP	10 40 36
	eS	41 11
Aug. 2		
BH	e	17 29 31
	e	30 06
Aug. 2		
SH	iP	21 40 37
Aug. 2		
SH	iP	22 42 11
	iS	42 47
Aug. 3		
BER	eL	09 45 20
BC	e(P)	09 36 54
HUAN	e(P)	09 36 10
	e	37 09
	e	40 39
	eL	43 18
HH	iP	09 38 28.5
	i	40 18
PHIL	eL	09 47 04
PF	iP	09 36 (12)

Date and Station		Phase (GCT)
		h m s
Aug. 3, cont.		
SJ	eP	09 35 24
	eS	39 29
	eL	40 16
TUC	eP	09 36 40
	i	36 54
	i	37 06
	iPcP	39 40
	eL	45 16
Aug. 3		
HH	iP	11 00 32.5
SH	iP	10 58 38
	i	58 42
	iS	59 07
Aug. 3		
BC	iP	11 23 32
HH	i	11 29 18
PF	iP	11(23 32)
SH	iP	11 23 42
TUC	eP	11 25 10
	i	25 12
	i	25 20
	e	26 52
Aug. 3		
BH	eP	15 07 51
	e	08 26
Aug. 3		
SH	eP	16 41 04
	iS	42 17
Aug. 3		
BC	eP	17 24(41)
HH	iP	17 24 25
PHIL	eL	18 15 10
PF	e(P)	17 24 20
	i	24 48

Date and Station		Phase (GCT)
		h m s
Aug. 3, cont.		
SH	eP	17 23 55
	iP	24 24
Aug. 4		
HH	eP	05 26 19
SH	eP	05 26 20
TUC	eP	05 27 58
Aug. 4		
TUC	iP	05 46 40
	ipP	46 56
Aug. 4		
BH	eP	05 54 53
	iS	55 18
Aug. 4		
HH	eP	07 06 31
PF	e(P)	07 04(18)
TUC	eP	07 03 18
	eL	05 36
Aug. 4		
SH	iP	07 40 25
	iS	41 18
Aug. 4		
PF	eP	09 20(04)
TUC	eP	09 19 13
	e	19 25
Aug. 4		
HH	iP	09 33 48
Aug. 4		
SH	iP	10 06 55
Aug. 4		
PF	iP	10 14(53)
TUC	iP	10 15 01
Aug. 4		
TUC	e(P)	10 25 13

Date and Station		Phase (GCT)
		h m s
Aug. 4, cont.		
TUC	eP	10 28 27
Aug. 4		
BC	iP	18 14(20)
HH	eP	18 14 00
	i	14 01
PF	iP	18 14(13)
SH	iP	18 13 43
Aug. 4		
TUC	eP	23 45 50
Aug. 5		
BC	eP	08 06 20
HH	i(P)	08 07 56
	i	08 18
PF	iP	08 06(08)
	i	06 29
TUC	iP	08 05 24
	eL	10 03
Aug. 5		
SJ	eP	09 59 45
	eS	10 02 06
	eL	02 20
Aug. 5		
HH	iP	23 55 19
Aug. 6		
PF	eP	00 18(12)
TUC	iP	00 18 25
Aug. 6		
HH	e(P)	00 26 26
	i	26 38
Aug. 6		
BC	e(P)	03 41(39)
PF	eP	03 41(30)
HH	iP	03 41 10

Date and Station		Phase (GCT)
		h m s
Aug. 6, cont.		
SH	i(P)	03 40 57
TUC	eP	03 42 03
Aug. 6		
HH	iPP	03 49 04
PF	iP''	03 48(46)
TUC	iP''	03 48 58
	e	49 17
Aug. 6		
BC	iP	04 22 49
	i	22 57
	i(S)	23 41
PF	iP	04 22(47)
	i	22(55)
	iS	23(49)
SH	iP	04 23 05
	iS	24 17
HH	eL	04 28 06
TUC	eP	04 24 23
	iS	26 25
	iL	26 52
Aug. 6		
HH	iP	06 27 09
PF	e(P)	06(25 00)
	e	(26 58)
SH	e(P)	06 26 38
TUC	eP	06 25 20
Aug. 6		
PF	eP	07 49(25)
TUC	iP	07 49 34
Aug. 6		
BC	iP	08 04 51
PF	iP	08(05 03)

Date and Station		Phase (GCT)
		h m s
Aug. 6, cont.		
SH	iP	08 05 09
TUC	iP	08 05 29
Aug. 6		
BH	iP	09 56 27
	iS	57 03
BC	eP	10 04 11
	i	04 33
GC	iP	10 05 39
HUAN	eP	10 00 01
	iP	00 11
	eS	03 00
	eL	03 16
HH	iP	10 05 29
	i	05 36
PF	iP	10 04(27)
	i	04(34)
SH	iP	10 05 36
	i	05 41
TUC	eP	10 04 04
	iP	04 05
	i	04 12
Aug. 6		
TUC	eP	10 14 02
Aug. 6		
GC	i(P)	23 14 39
Aug. 7		
HH	i(P)	00 09 53
Aug. 7		
HH	i(P)	01 17 44
Aug. 7		
PF	iP	10 27(05)
TUC	iP	10 27 55
	e	28 03

Date and Station		Phase (GCT)
		h m s
Aug. 7, cont.		
BC	iP	14 51(27)
	i(S)	53(17)
PF	eP	14 50(27)
	i	50(29)
SH	iP	14 49 12
	eS	51 31
TUC	iP	14 51 02
	e	51 16
Aug. 7		
BER	ePP	15 00 52
	ePS	08 40
	e	13 20
	eSSS	18 19
	eL	27 02
BC	eP	14 52 16
	i	52 41
BUR	eS	15 05 11
	eL	33 15
BUT	eP	14 52 08
	eS	15 01 40
	eScS	02 30
	e	03 22
	eSS	07 10
	eL	12 18
CHI	ePP	14 57 06
	eS	15 04 11
	e	04 57
	eL	26 03
COL	eP	14 49 18
	eS	56 36
	e	58 32
	eL	15 02 45
GC	eP	14 51 29
HONO	e(S)	14 57 11
	eL	15 03 17
HUAN	eP	14 57 00
	e(P')	15 00 45

Date and Station		Phase (GCT)
		h m s
Aug. 7, cont.		
HUAN, cont.		
	ePP	15 03 08
	e	22 33
	eL	34 00
HH	eP	14 51 46
	i	53 34
NK	ePP	14 57 35
	eSKS	15 04 28
	eS	05 26
	eSS	31 48
PHIL	ePP	14 58 09
	eSKS	15 04 33
PF	iP	14 52(26)
SLC	eP	14 52 12
	e	54 00
	eS	15 02 08
	e	04 59
	eL	13 11
SIT	eP	14 50 03
	ePcP	51 10
	ePP	52 14
	e(PPP)	53 34
	eS	57 57
	eL	15 02 01
TUC	eP	14 52 40
	e(PP)	56 20
	e(S)	15 02 50
	eS	03 06
	eL	13 05
UK	eS	15 01 29
	eL	11 35
Aug. 7		
BC	e(P)	16(25 07)
PF	eP	16 26 24
Aug. 7		
HH	iP	18 56 40
PF	eP	18 55 23

Date and Station		Phase (GCT)
		h m s
Aug. 7, cont.		
SH	i(P)	22 11 24
Aug. 8		
PF	iP	06 28 14
Aug. 8		
HH	iP	07 47 11
SH	i(P)	07 45 07
Aug. 8		
HH	e(P)	11 56 58
Aug. 8		
HH	e(P)	12 16 34
Aug. 8		
HH	i(P)	12 40 45
PF	iP	12 39 25
Aug. 8		
PF	i(P)	16(25 48)
SH	iP	16 26 05
TUC	iP	16 26 30
Aug. 8		
HH	iP	20 18 35.5
Aug. 9		
SH	i(P)	06 27 00
TUC	iP	06 28 17
Aug. 9		
HH	iP	12 36 32
	e	40 17
SH	i(P)	12 37 53
TUC	iP	12 37 18
	i	37 34
	ePP	38 08
	e	41 06
Aug. 9		
SH	i(P)	19 11 44

Date and Station		Phase (GCT) h m s
Aug. 10		
HH	e(P)	13 38 47
Aug. 10		
SH	i(P)	20 35 33
Aug. 11		
BH	e(P)	10 40 14
BER	eP	10 42 22
	iPP	43 22
	eS	47 08
	eL	48 49
BC	eP	10 41 34
	ipP	41 56
	i	43 21
	eS	46 11
BOZ	eP	10 42 30
	eS	47 25
	iS	47 31
	eL	50 35
BUR	eP	10 42 40
	i	42 52
	iPP	43 57
	iS	47 50
	eL	48 58
BUT	eP	10 42 34
	i	43 15
	iPP	44 14
	iS	47 38
	eL	49 10
CHI	iP	10 41 36
	i	41 45
	ipP	41 58
	iPcP	44 11
	iS	45 53
	i	46 31
	eL	48 10
COL	eP	10 46 06
	eS	54 06
	eScS	55 45
	eL	11 01 43
GC	i(P)	10 43 16

Date and Station		Phase (GCT) h m s
Aug. 11, cont.		
HUAN	iP	10 43 13
	eS	48 43
	eL	51 29
HH	eP	10 42 59
LOG	ePP	10 43 00
	i	43 17
	iPcP	44 00
	iS	46 39
	eL	49 05
NK	eP	10 41 48
	i	42 19
	i	43 10
	iS	46 15
	iL	47 08
PF	iP	10(41 25)
	ipP	(41 27)
	iS	(45 45)
RC	eP	10 43(05)
	e	43(40)
	eS	47(24)
	eL	48(48)
SLC	eP	10 41 52
	e	43 01
	ePP	43 12
	eS	46 23
	iL	47 36
SJ	eP	10 42 02
	iPP	42 58
	eS	46 32
	iL	47 14
SH	eP	10 42 44
	iP	42 45
SIT	iP	10 45 03
	iS	52 06
	eScS	54 32
	eL	58 20
TUC	iP	10 40 50
	iPP	41 33
	iS	44 26

Date and Station		Phase (GCT) h m s
Aug. 11, cont.		
TUC, cont.		
	eL	10 44 41
	iL	44 43
	i	44 47
UK	eP	10 42 51
	eS	48 05
	eL	52 23
Aug. 11		
BC	e(P)	11 14 21
GC	eP	11 13 32
SH	iP	11 14 09
Aug. 11		
TUC	iP	14 40 50
	iS	44 34
	iL	44 50
Aug. 11		
TUC	eP	15 43 08
Aug. 11		
BC	eP	18 33 52
	i	33 59
GC	eP	18 32 34
HH	iP	18 32 58
PF	e(P)	18(33 45)
SH	iP	18 32 02
TUC	eP	18 34 35
Aug. 12		
BH	eP	03 18 30
	iS	18 52
Aug. 12		
BC	iP	12 59 42
PF	iP	12(59 28)
SH	eP	12 59 31
	i	59 32

Date and Station		Phase (GCT) h m s
Aug. 12, cont.		
TUC	iP	12 59 48
	e	13 00 13
Aug. 12		
BER	e	22 48 08
	eL	23 10 18
GC	iP'	22 44 00
HUAN	eP	22 35 07
	e(S)	43 20
	eSS	48 31
	eL	50 05
HH	iP'	22 43 56
	i	52 20
	i	56 47
PF	iP'	22(43 50)
SH	eP'	22 43 51
	iP'	43 53
SIT	e(P')	22 44 26
TUC	iP'	22 43 30
	e	44 37
	e	53 47
	e	57 15
Aug. 13		
TUC	eP	01 00 58
Aug. 13		
HH	i(P)	04 29 18
Aug. 13		
HH	e(P)	08 33 44
Aug. 13		
BC	iP	09 43 25
GC	iP	09 41 49
HH	iP	09 42 10
PF	iP	09(43 09)
	i	(43 13)

Date and Station		Phase (GCT) h m s
Aug. 13, cont.		
SH	iP	09 42 21
	i	42 27
TUC	iP	09 44 08
Aug. 13		
HH	iP	09 49 00
Aug. 13		
BH	iP	11 23 22
	iS	24 09
BC	iP	11 24 26
	i	24 46
GC	eP	11 25 56
	i	26 00
HUAN	eP	11 25 03
HH	iP	11 25 12
PF	eP	11(24 02)
	i	(24 04)
SJ	eP	11 24 21
	e	25 07
	eS	27 24
	eL	28 07
SH	eP	11 25 28
	i	25 31
	i(PcP)	27 56
	i	28 20
TUC	eP	11 23 42
	i	23 57
	iPP	24 11
	eS	28 03
	eL	31 09
Aug. 13		
HH	iP	12 46 16
SH	e(P)	12 46 17
	i	13 26 23

Date and Station		Phase (GCT) h m s
Aug. 13, cont.		
HH	iP	20 47 21
	i	47 23
Aug. 14		
HH	iP	10 54 52
SH	iP	10 54 35
Aug. 14		
BC	eP	12 38 12
HH	eP	12 37 45
	iP	37 46
PF	iP	12(38 43)
SH	iP	12 37 11
TUC	eP	12 38 21
Aug. 14		
HH	iP	16 06 17
	e	06 27
Aug. 14		
BC	iP	17 08 24
	ipP	08 38
PF	eP	17(08 00)
	e	(08 24)
	e	(09 28)
TUC	iP	17 08 21
	ipP	08 33
	i	09 15
Aug. 14		
BC	eP	17 15 01
HH	iP	17 13 27
PF	eP	17(14 57)
Aug. 14		
TUC	eP	20 14 47
Aug. 14		
TUC	eP	23 52 41

Date and Station		Phase (GCT) h m s
Aug. 15		
TUC	e(P)	01 27 28
Aug. 15		
BC	eP	05 46 09
PF	eP	05(46 50)
TUC	e(P)	05 45 58
Aug. 15		
PF	eP	17(03 42)
SH	iP	17 02 45
TUC	eP	17 03 07
	e	03 24
Aug. 15		
TUC	iP	19 47 34
Aug. 15		
HUAN	eP	22 25 45
	e	26 33
TUC	iP	22 24 42
Aug. 16		
SH	iP	01 07 55
TUC	iP	01 08 30
Aug. 16		
BC	e(P)	03(30 55)
HH	eP	03 30 30
PF	iP	03(31 36)
SH	iP	03 30 41
TUC	iP	03 31 02
	e	32 23
Aug. 16		
TUC	eP	05 11 09
Aug. 16		
COL	eP	05 27 09
	eS	28 03
	eL	28 11

Date and Station		Phase (GCT) h m s
Aug. 16, cont.		
BC	iP	05 44 57
HH	iP	05 45 03
PF	iP	05(45 30)
SH	iP	05 45 56
TUC	iP	05 44 14
	i	44 19
	iPcP	47 18
Aug. 16		
BC	eP	10 56 41
HUAN	eP	10 48 42
	eS	50 05
	eL	51 22
HH	iP	10 56 28
	i	57 23
	i	11 01 43
MONT	eP	10 46 04
	iS	46 40
	eL	46 50
PF	eP	10(57 18)
SH	iP	10 57 21
	i	58 07
	i	58 48
TUC	iP	10 56 14
	epP	57 06
Aug. 16		
TUC	iP	11 04 14
Aug. 16		
BH	eP	11 47 55
	iS	48 20
Aug. 17		
HH	iP	05 15 26
Aug. 17		
BC	e(P)	05 32 35

Date and Station		Phase (GCT) h m s
Aug. 17, cont.		
BUR	eL	05 52 23
BUT	e(S)	05 41 29
	e	43 57
	eL	45 13
GC	eS	05 39 57
NK	eL	06 51 17
PF	eP	05 32 38
SH	iP	05 31 34
SIT	eL	05 31 10
TUC	eP	05 33 16
Aug. 17		
BC	eP	17 20 55
HH	iP	17 20 47
PF	iP	17 20 58
SH	iP	17 21 11
TUC	eP	17 21 20
	e	21 34
	eS	31 48
	eL	50 02
Aug. 17		
BC	eP	19 14 00
HH	iP	19 13 53
PF	eP	19 14 04
SH	eP	19 14 22
TUC	iP	19 14 27
	e	14 47
Aug. 18		
BC	eP	19 14 14
	eL	19 13

Date and Station		Phase (GCT) h m s
Aug. 18		
BUR	eL	19 33 00
BUT	e(S)	19 16 43
	eL	17 29
GC	iP	19 14 06
HH	iP	19 14 39
PF	eP	19 13 54
	i	14 19
SH	iP	19 13 29
	iS	13 36
SLC	eP	19 14 15
	eS	16 38
	eL	17 16
TUC	eP	19 15 18
	e	16 26
	eS	19 22
	eL	20 19
Aug. 18		
HH	i(P)	20 13 45
Aug. 18		
GC	e(P)	21 25 02
HH	iP	21 24 35
	i	24 39
	i	29 48
TUC	iP	21 25 34
Aug. 18		
GC	e(P)	22 50 49
Aug. 18		
TUC	eP	23 20 05
	eS	24 10
	eL	26 10
Aug. 19		
BC	eP	01 27 34
BUR	eL	01 39 00

Date and Station		Phase (GCT) h m s
Aug. 19, cont.		
HUAN	eP	01 22 27
	e(PcP)	24 02
	e	25 01
	e(S)	27 58
	eL	29 17
HH	iP	01 28 24
PF	iP	01 27 03
SJ	e	01 28 05
	eL	30 04
TUC	eP	01 26 26
Aug. 19		
HUAN	e(P)	02 25 16
	e	27 16
Aug. 19		
BC	eP	05 46 23
	e	46 49
HUAN	eP	05 37 54
	eS	39 20
	eL	40 06
PF	eP	05 46 42
TUC	eP	05 45 52
Aug. 19		
TUC	eP	06 39 27
	e	40 12
Aug. 19		
BC	eP	08 00 48
HUAN	eP	07 57 48
	eS	08 01 50
	eL	03 16
HH	eP	08 02 05
PF	eP	08 00 49
TUC	eP	08 00 07

Date and Station		Phase (GCT) h m s
Aug. 19, cont.		
BC	iP''	11 08 22
HUAN	iP	10 59 29
	e	59 50
	ePPP	11 03 23
	eS	08 00
	eL	13 36
HH	iP''	11 08 38
	i	08 46
	i	09 23
	i(P'P')	29 30
PF	eP''	11 08 21
	e	09 31
	eP'P'	27 26
SH	eP''	11 09 31
	iP	09 34
TUC	eP''	11 08 13
	ePKKP	19 03
	eP'P'	27 27
Aug. 19		
BER	eS	14 08 46
	e	09 28
	e	13 21
	eL	14 30
BC	iP	13 57 32
	ipP	57 46
	i(PcP)	58 28
	iScP	14 03 39
BOZ	eP	13 56 54
	eS	14 02 44
	iL	06 04
BUR	ePP	14 01 15
	e	06 45
	eL	10 08
BUT	eP	13 56 44
	eS	14 01 24
	eL	02 20

Date and Station		Phase (GCT)
		h m s
Aug. 19, cont.		
CHI	eP	13 59 52
	eS	14 05 44
	e	06 19
	eL	11 36
COL	iP	13 51 31
	iS	51 57
	iL	52 04
GC	eP	13 55 46
HONO	e	13 58 21
	iS	14 04 35
	e	04 49
	eL	07 50
HH	eP	13 56 02
	iP	56 03
	i	14 02 24
	i	03 07
NK	eP	13 59 25
	e	14 05 46
	eS	06 30
	eL	09 17
PHIL	eP	13 59 35
	e(S)	14 06 33
	e	07 09
	eL	09 45
PF	eP	13 57 31
	iP	57 33
	iPcP	59 45
	i	14 04 13
SH	e(P)	13 57 29
SLC	eP	13 57 21
	e	57 35
	e	58 22
	eS	14 02 35
	eL	04 27
SIT	iP	13 53 00
	iS	54 40
	eL	55 18
	iL	55 37

Date and Station		Phase (GCT)
		h m s
Aug. 19, cont.		
TUC	eP	13 58 11
	i	58 30
	e	58 33
	iPP	59 14
	i	14 03 57
	e	04 18
	eS	04 40
	eL	07 34
Aug. 19		
BH	i(P)	20 00 09
	i	00 58
	iL	02 41
BER	eP	20 05 28
	e	09 07
	eS	10 32
	eL	12 02
T_L=15 sec. $A_{max.}$=2.4mm.		
BC	eP	20 06 58
	e	08 33
BUR	e	20 07 38
	ePcP	09 14
	e	13 45
	eL	16 23
BUT	eP	20 07 45
	ePP	09 41
	eS	14 49
	e	15 35
	eL	18 41
GC	i(P)	20 08 16
HUAN	eP	20 03 21
	iP	03 23
	eS	06 46
	eL	08 08
HH	iP	20 08 01
LOG	eP	20 07 09
	ePP	08 54
	eS	13 43
	eL	17 26

Date and Station		Phase (GCT)
		h m s
Aug. 19, cont.		
PHIL	eP	20 06 06
	iPP	07 19
	iS	11 39
	eL	15 36
PF	iP	20 06 57
SJ	iP	20 03 40
	i	04 34
	iS	07 33
	iL	08 44
SLC	eP	20 07 09
	eS	12 47
	eL	15 50
SH	iP	20 08 55
TUC	iP	20 06 18
	i	06 28
	ePP	07 48
	iPP	07 50
	ePPP	08 41
	eS	12 13
	eL	18 00
Aug. 19		
TUC	iP	22 47 58
	i	48 10
Aug. 20		
BH	eP	06 45 04
	i(S)	45 54
HUAN	eP	06 49 02
HH	iP	06 52 41
PF	eP	06 52 40
TUC	iP	06 51 01
Aug. 20		
BC	iP	07 41 52
GC	iP	07 42 12
HUAN	eP	07 33 01

Date and Station		Phase (GCT) h m s
Aug. 20, cont.		
HH	iP	07 42 08
PF	iP	07 41 52
SH	iP	07 43 06
TUC	iP	07 41 43
Aug. 20		
HH	iP	07 55 21
Aug. 20		
HH	iP	08 24 15
Aug. 20		
BC	eP	13 26 02
	e(S)	27 47
PF	eP	13 26 05
	i	26 29
	i(S)	27 37
	iL	28 00
TUC	eP	13 25 29
	i	25 40
	iS	26 12
	iL	26 28
Aug. 20		
BC	e(P)	16 04 08
PF	eP	16 04 12
SH	e(P)	16 04 42
TUC	iP	16 03 12
Aug. 20		
BC	eP	19 04 38
PF	eP	19 04 39
SH	iP	19 05 24
TUC	eP	19 04 45
Aug. 20		
TUC	iP	22 49 40

Date and Station		Phase (GCT) h m s
Aug. 21		
HH	iP	08 39 35
Aug. 21		
BC	eP	08 57 57
HH	iP	08 57 02
	i	57 08
PF	eP	08 57 54
TUC	iP	08. 58 01
Aug. 21		
BC	e(P)	09 49 48
	e	50 16
	e(S)	51 02
PF	iP	09 49 50
	i(S)	50 30
	iL	51 29
TUC	eP	09 49 17
	i	49 30
	i(S)	50 08
Aug. 21		
BC	iP	21 10 52
HH	iP	21 10 34
PF	iP	21 10 56
SH	iP	21 10 17
TUC	iP	21 11 14
Aug. 22		
BC	eP	04 20 55
PF	iP	04 21 09
SH	eP	04 20 06
	i	20 23
TUC	iP	04 21 37
	i	21 46
Aug. 22		
BC	eP	06 21 26

Date and Station		Phase (GCT) h m s
Aug. 22, cont.		
HUAN	eP	06 13 26
PF	iP	06 21 26
TUC	iP	06 20 57
Aug. 22		
TUC	eP	10 28 13
	e(S)	28 52
Aug. 22		
TUC	iP	16 49 01
Aug. 22		
HH	iP	23 28 39
	i	28 43
SH	iP	23 29 25
TUC	iP	23 29 35
Aug. 23		
HH	iP	03 12 15
PF	eP	03 13 15
TUC	eP	03 12 59
Aug. 23		
BC	eP	12 01 16
HH	eP	11 59 49
PF	iP	12 01 09
SH	eP	12 01 53
TUC	iP	12 01 32
	i	01 36
Aug. 23		
PF	eP	12 43 38
TUC	eP	12 43 47
Aug. 23		
HH	iP	17 22 11
Aug. 23		
TUC	eP	18 18 45
	iS	20 46

Date and Station		Phase (GCT) h m s
Aug. 24		
HH	eP	05 28 04
Aug. 24		
BC	eP'	08 23 09
HH	iP'	08 22 43
PF	eP'	08 23 07
SH	eP'	08 23 48
TUC	eP'	08 23 06
Aug. 24		
BC	eP	09 55 34
PF	iP	09 55 35
TUC	iP	09 55 39
Aug. 24		
HH	iP	22 32 11
SH	eP	22 30 12
	i	30 14
Aug. 25		
BC	eP	02 25 42
HH	iP	02 25 16
PF	iP	02 25 54
SH	iP	02 25 03
Aug. 25		
BC	eP	03 27 48
HUAN	eP	03 34 47
PF	iP	03 27(55)
TUC	iP	03 27 18
Aug. 25		
BH	e(P)	06 16 29
	e	22 42

Date and Station		Phase (GCT) h m s
Aug. 25, cont.		
BER	iP	06 19 02
	ePP	22 37
	iPP	22 44
	iS	26 58
	e	28 02
	e(SS)	30 38
	eL	33 40
T_P = 8 sec. A = 1.7mm.		
T_S = 16 sec. A = 3.3mm.		
T_L = 25 sec. $A_{max.}$=5.3mm.		
BC	iP	06 21 18
	i	21 29
	i	22 18
	e(PP)	23 28
	eS	31 08
	eP'P'	48 22
BOZ	eP	06 21 44
	ePP	24 55
	iS	31 58
	eSS	37 30
	eL	52 44
BUR	iP	06 20 28
	ePP	23 08
	ePPP	24 23
	eS	29 32
	eSS	33 58
	eL	38 50
BUT	iP	06 21 49
	iPP	25 03
	eS	32 05
	iS	32 09
	iScS	32 24
	iPPS	33 08
	i	34 12
	eSS	37 50
	eL	42 06
CHI	iP	06 20 31
	ePP	24 46
	eS	29 33
	eL	37 09

Date and Station		Phase (GCT) h m s
Aug. 25, cont.		
COL	ePP	06 28 17
	e	30 32
	eS	35 54
	e(PS)	38 16
	ePPS	38 52
	eL	51 05
GC	iP	06 22 05
	eS	32 40
HUAN	iP	06 13 20
	eS	16 30
	eL	18 00
HH	iP	06 22 00
LOG	iP	06 21 29
	i	21 48
	ePP	24 28
	iPP	24 37
	e	26 07
	eS	31 26
	eSS	36 43
	eSSS	40 02
	eL	44 35
NK	iP	06 20 18
	i	21 27
	iPP	22 41
	iS	29 18
	i	29 46
	eL	47 00
MONT	eP	06 10 34
	iP	10 41
	i	11 12
	i(S)	11 26
	iL	11 35
PHIL	iP	06 20 05
	iPcP	20 53
	ePP	22 18
	iS	28 46
	iScS	29 51
	eL	36 35
PF	iP	06 21 14
	ePPP	25 21
	eS	31 05
	eP'P'	48 10

Date and Station		Phase (GCT) h m s
Aug. 25, cont.		
SJ	iP	06 17 10
	i	17 50
	iPP	19 36
	iS	23 02
	i	23 36
	eL	25 50
	iScS	27 00
SLC	iP	06 21 26
	iS	31 18
	ePPS	33 17
	e	34 25
	eL	40 56
SH	iP	06 21 54
SIT	ePP	06 27 35
	eS	34 38
	eSS	41 32
	ePSPS	42 10
	eL	47 33
TUC	iP'	06 20 47
	e(PP)	24 07
	ePPP	25 27
	eS	30 08
	eL	38 26
UK	eP	06 22 52
	ePP	25 06
	eS	32 13
	eSS	38 08
	eL	43 31
Aug. 25		
BC	iP	13 36 08
PF	eP	13 36 14
TUC	iP	13 35 38
Aug. 25		
HH	iP	17 58 31
	i	59 07
Aug. 25		
BH	e(P)	19 46 52
	iS	47 48

Date and Station		Phase (GCT) h m s
Aug. 25, cont.		
BC	iP	20 01 02
	epP	01 42
GC	eP	20 02 00
	e	02 23
HUAN	eP	19 52 42
	ePP	53 12
	eS	54 03
	eL	57 51
HH	iP	20 01 50
	i	02 19
MONT	eP	19 51 21
	iS	51 43
	eL	51 56
PF	iP	20 01 00
	ipP	01 29
SH	iP	20 01 43
TUC	iP	20 00 31
	ipP	01 10
	e	29 04
Aug. 26		
PF	eP	05 21 57
	i	23 34
TUC	iP	05 23 14
Aug. 26		
PF	iP	09 47 52
TUC	iP	09 47 53
Aug. 26		
PF	eP	10 05 36
	e(S)	07 31
	eL	08 01
TUC	eP	10 04 40
	eS	05 55
	iL	06 10
Aug. 26		
BC	e(S)	11 06 56

Date and Station		Phase (GCT) h m s
Aug. 26, cont.		
PF	eP	11 04 33
TUC	eP	11 03 39
	eS	04 50
	iS	04 54
	iL	05 04
Aug. 26		
BC	iP	11 41 57
PF	iP	11 42 00
SH	eP	11 41 42
TUC	iP	11 42 03
Aug. 26		
BC	eP	11 46 43
PF	eP	11 46 40
HH	eP	11 46 07
SH	iP	11 47 30
TUC	iP	11 46 09
Aug. 26		
BC	e(P)	14 20 19
HH	eP	14 19 27
PF	eP	14 20 22
Aug. 26		
BC	iP	20 49 37
	epP	51 26
	e	53 03
GC	iP	20 48 52
	ipP	50 43
	eS	58 17
HUAN	eP'	20 56 31
	ePP	52 24
HH	iP	20 49 08
	i(pP)	51 04

Date and Station		Phase (GCT) h m s
Aug. 26, cont.		
PF	iP	20 49 40
	ipP	51 27
	e	53 02
SH	iP	20 48 58
	i	50 44
	i	52 02
TUC	iP	20 50 00
	i	50 27
	ipP	51 49
Aug. 26		
BC	iP	21 06 45
	e	08 22
	ipP	08 34
GC	iP	21 06 30
HUAN	eP'	21 13 40
HH	iP	21 06 15
	i	08 37
PF	iP	21 06 47
	epP	08 34
SH	iP	21 06 05
	i	07 51
	i	07 58
TUC	iP	21 07 07
	epP	08 57
Aug. 27		
HH	iP	00 31 17
	i	33 00
	iS	33 07
PF	iP	00 31 48
	i	33 35
SH	iP	00 31 06
TUC	iP	00 32 09
Aug. 27		
PF	i(P)	01 33 53

Date and Station		Phase (GCT) h m s
Aug. 27, cont.		
BC	eP	04 23 53
PF	iP	04 23 48
TUC	iP	04 23 07
Aug. 27		
BC	eP	08 38 48
PF	eP	08 38 44
TUC	iP	08 38 03
Aug. 27		
BC	eP	10 57 20
HH	iP	10 56 26
PF	iP	10 57 17
TUC	iP	10 56 26
Aug. 27		
HH	eP	11 36 39
Aug. 27		
BC	iP	17 00 11
GC	iP	17 01 04
HH	eP	17 00 55
MONT	eP	16 49 54
	eS	50 50
	eL	51 25
PF	iP	17 00 09
SJ	eP	16 56 31
	e	58 19
	eS	17 02 50
	eL	06 09
	iL	06 38
SH	iP	17 00 47
TUC	iP	16 59 42

Date and Station		Phase (GCT) h m s
Aug. 27, cont.		
BH	e	18 40 48
	iS	41 36
Aug. 27		
BC	eP	21 01 30
PF	iP	21 00 43
	i	00 36
	iS	02 52
GC	iP	21 01 04
HH	eP	21 02 13
	i	02 40
	iS	04 22
SH	iP	21 00 15
	i	00 42
Aug. 28		
BH	e	00 48 04
	iS	49 06
Aug. 28		
BC	eP	02 37 45
BUR	e	02 49 08
	eL	03 02 00
BUT	eS	02 43 42
	eL	48 38
COL	eP	02 33 18
	eS	37 37
	eL	39 50
GC	eP	02 36 23
HH	eP	02 36 40
PHIL	eS	02 49 10
	e	50 07
	eL	56 57
PF	eP	02 37 43
	i	37 46
SH	e(P)	02 36 45
	iP	36 48

Date and Station		Phase (GCT) h m s
Aug. 28, cont.		
SIT	eP	02 34 22
	i	35 34
	i	38 36
	eS	39 27
	i	39 54
	eL	41 34
TUC	eP	02 38 18
	eS	46 41
	eL	03 02 00
Aug. 28		
BC	eP	09 40 03
HH	eP	09 40 44
PF	iP	09 40 02
SH	iP	09 39 45
TUC	eP	09 40 06
	i	40 11
Aug. 28		
BC	iP	12 36 33
GC	iP	12 36 57
HH	iP	12 37 11
PF	iP	12 36 36
SH	iP	12 36 22
TUC	iP	12 36 37
	e	46 45
Aug. 28		
BH	e	12 44 38
	eS	44 51
Aug. 29		
BC	iP	00 05 40
Aug. 29		
HH	eP	10 29 40
Aug. 29		
BC	eP	17 49 29

Date and Station		Phase (GCT) h m s
Aug. 29, cont.		
BUT	eP	17 50 18
	e(S)	18 00 18
	e(SS)	05 06
	eL	12 44
GC	eP	17 49 51
HUAN	eP	17 51 05
	e	51 52
	ePP	58 32
	eSSS	18 11 37
	eL	16 12
HH	eP	17 50 05
	i	50 06
PHIL	eS	18 03 46
	eSS	10 10
	eL	24 10
PF	iP	17 49 30
SLC	eP	17 49 53
	eS	59 58
	e	18 04 13
	eL	10 40
SH	iP	17 50 14
TUC	iP	17 49 32
	ePP	50 30
	iPP	50 31
	e	53 23
	e	53 24
	e(S)	55 24
	eS	55 25
	eL	59 00
Aug. 29		
BC	iP	18 09 24
HH	iP	18 09 07
PF	iP	18 09 27
SH	iP	18 09 48
Aug. 29		
BC	eP	18 41 10

Date and Station		Phase (GCT) h m s
Aug. 29, cont.		
HH	iP	18 42 59
PF	iP	18 41 10
SH	iP	18 42 19
TUC	iP	18 40 13
	eS	43 16
	eL	43 25
Aug. 29		
BC	eP	23 42 41
HH	iP	23 42 00
	i	42 12
PF	iP	23 42 38
SH	iP	23 41 56
	i	42 10
Aug. 30		
BC	iP	01 05 39
GC	e(P)	01 05 57
HH	e(P)	01 06 12
PF	iP	01 05 44
SH	iP	01 05 26
Aug. 30		
HH	iP	01 47 18
Aug. 30		
BC	eP	07 14 52
	i	15 04
HH	eP	07 14 03
	i	14 16
	i	14 36
PF	iP	07 14 57
	i	15 09
SH	iP	07 14 02
	i	14 14
	i	14 21

Date and Station		Phase (GCT) h m s
Aug. 30, cont.		
SH, cont.	i	07 14 31
	i	14 39
Aug. 30		
BH	eP	16 42 15
	iS	42 56
Aug. 30		
PF	eP	17 31 53
Aug. 30		
BC	iP	19 35 58
GC	iP	19 35 20
HH	iP	19 35 39
PF	iP	19 36 00
	e	38 09
SH	iP	19 35 21
	i	35 29
	i	35 35
TUC	iP	19 36 18
Aug. 30		
HH	iP	21 54 52
	i	55 01
SH	iP	21 55 31
Aug. 30		
PF	iP	23 20 09
SH	iP	23 19 31
Aug. 31		
PF	eP	08 48 48
Aug. 31		
HH	iP	09 28 15
	i	28 33
SH	iP	09 28 12
Aug. 31		
HUAN	e(P)	10 47 28
	e	49 50

Date and Station		Phase (GCT) h m s
Sept. 1		
PF	eP	00 05 55
Sept. 1		
BC	e(P)	00 35 09
HH	iP	00 35 40
PF	iP	00 35 12
Sept. 1		
PF	eP	18 18 50
SLC	eL	18 24 39
TUC	eP	18 17 47
	e(S)	19 18
	eL	19 43
Sept. 1		
BC	e(P)	18 22 29
HH	e(P)	18 24 54
PF	e(P)	18 22 57
	e(S)	25 47
TUC	e(P)	18 21 29
	eS	23 01
	eL	23 21
Sept. 1		
BC	e(P)	19 19 43
	e	20 17
	eL	24 14
BOZ	eL	19 26 08
BUT	eL	19 29 09
COL	eL	19 42 22
HH	eP	19 22 11
	e	22 37
PHIL	eL	19 35 01
PF	eP	19 19 27
	i	19 47
	i	20 15
	eL	23 02

Date and Station		Phase (GCT) h m s
Sept. 1, cont.		
SLC	eL	19 50 17
SIT	eL	19 37 10
TUC	eP	19 18 45
	i	19 11
	i	19 48
	e(S)	20 10
	iS	20 15
	iL	20 43
Sept. 1		
COL	eL	20 18 12
HH	eL	19 46 54
PF	eP	19 44 32
	e(S)	48 42
Sept. 1		
BC	eP	19 56 14
	eS	58 44
	eL	59 20
BOZ	eP	19 58 04
	iS	20 02 06
	iL	04 16
BUT	eP	19 58 15
	eS	20 02 05
	eL	04 43
GC	eP	19 58 41
HONO	eL	20 08 30
HH	eP	19 58 26
	iP	58 30
HUAN	eS	20 09 44
	eSS	13 36
	eL	14 52
PHIL	e(S)	20 06 42
	eL	10 09
	eScS	11 07
PF	eP	19 56 08
	e(S)	58 47
	eL	59 17

Date and Station		Phase (GCT) h m s
Sept. 1, cont.		
SLC	eP	19 57 05
	eS	20 00 14
	eL	01 09
SJ	e	20 05 15
	eS	19 12
	eL	24 50
SEA	eL	20 05 15
SIT	eS	20 05 34
	i	06 24
	eL	09 08
TUC	iP	19 55 05
	i	55 43
	iS	56 31
	iL	57 04
UK	eP	19 58 37
	eS	20 02 12
	eL	03 13
Sept. 1		
BUT	e(S)	20 30 15
	eL	31 11
HH	eP	20 28 36
PF	e(P)	20 26 13
TUC	eP	20 25 10
	e(S)	26 31
	eL	26 52
Sept. 1		
HH	e(P)	20 41 14
	iP	41 19
Sept. 1		
PF	eP	20 38 51
	e(S)	42 17
SLC	eL	20 44 24
SEA	eL	20 51 40
TUC	eP	20 37 48
	i	38 14

Date and Station		Phase (GCT) h m s
Sept. 1, cont.		
TUC, cont.		
	i	20 38 48
	eS	39 08
	iS	39 15
	iL	39 38
Sept. 1		
PF	eP	21 32 39
Sept. 2		
PF	eP	00 08 50
	i	08 57
	e	10 27
Sept. 2		
PF	eP	03 07 27
Sept. 2		
HH	eP	08 05 24
PF	eP	08 02 59
	e(S)	06 08
SLC	eL	08 09 50
Sept. 2		
PF	e(P)	08 49 39
Sept. 2		
PF	eP	10 24 13
Sept. 2		
PF	eP	17 54 56
	eL	55 22
Sept. 2		
BC	eP	20 18 40
PF	eP	20 18 49
SLC	eL	20 25 36
Sept. 2		
PF	eP	20 56 36
Sept. 2		
PF	eP	21 50 24
	i(S)	50 47

Date and Station		Phase (GCT) h m s
Sept. 2, cont.		
BER	ePP	23 57 10
	iPKS	58 48
	eSSS	00 20 15
	eL	30 00
BC	eP	23 49 13
	e	52 33
	ePP	53 31
	e(PKKP)	00 05 10
BOZ	eSKS	23 59 28
	eS	00 00 28
	iPPS	03 24
	eSS	07 46
	eSSS	12 04
	eL	19 00
BUT	e(S)	00 00 13
	eL	17 20
CHI	ePS	00 05 23
	eSS	12 03
	eSSS	16 13
	eL	24 15
COL	eP	23 47 03
	eS	57 01
	iScS	57 37
	eSS	00 02 16
	e(SSS)	05 28
	eL	07 26
HONO	e(P)	23 46 24
	e	50 27
	eS	55 39
	i	56 16
	iScS	56 48
	eSS	00 00 46
	iSS	00 47
	eSSS	03 46
	eL	04 46
T_L = 17 sec. $A_{max.}$ = 2.5mm.		
HUAN	eP'	23 55 36
	e(PP)	58 08
	e(SKS)	00 03 10
	e	06 32
	eSS	19 12

Date and Station		Phase (GCT) h m s
Sept. 2, cont.		
HUAN, cont.		
	e	00 20 04
	eSSS	25 10
	eL	40 58
HH	eP	23 48 45
	ePP	52 59
LIN	ePS	00 04 26
	ePPS	05 36
	eSS	10 54
	eSSS	15 04
	eL	21 40
PHIL	ePP	23 56 16
	e	56 34
	ePS	00 06 44
	e	09 30
	eSS	13 33
	eL	28 02
PF	eP	23 49 15
	e	52 34
	e(PP)	54 19
SLC	eSKS	23 59 52
	e(PS)	00 01 58
	ePPS	03 36
	eSS	08 06
	eSSS	12 18
	eL	19 08
SJ	eP'	23 54 48
	ePP	58 12
	ePKS	59 33
	e(SKS)	00 02 05
	eSKKS	05 37
	ePPPS	11 24
	eSS	17 52
	eSSS	23 17
	eL	35 24
SIT	eP	23 48 16
	ePP	51 24
	eS	58 12
	iS	58 20
	i(ScS)	58 50
	eSS	00 03 42

Date and Station		Phase (GCT) h m s
Sept. 2, cont.		
SIT, cont.		
	eSSS	00 07 20
	eL	09 33
TUC	eP	23 49 27
	e	52 45
	ePP	54 05
	e	54 47
	e(SKS)	00 00 24
	eS	02 08
	ePS	03 35
	ePPS	04 40
	eSS	09 12
	eSSS	14 28
	eL	21 18
UK	e(P)	23 48 26
	eS	00 00 26
	ePS	01 41
	eSS	07 17
	eSSS	11 11
	eL	16 17
Sept. 3		
TUC	eP	02 22 52
Sept. 3		
BC	eP	02 46 35
PF	e(P)	02 47 01
TUC	eP	02 46 00
Sept. 3		
PF	eP	06 16 10
TUC	eP	06 16 13
Sept. 3		
HUAN	eS	06 56 56
	eL	57 24
Sept. 3		
BC	eP	09 50 36
	i	51 05
	ipP	51 17
GC	eP	09 51 34

Date and Station		Phase (GCT) h m s
Sept. 3, cont.		
HH	eP	09 51 24
	i	51 53
	ipP	52 04
	isP	52 29
HUAN	eP	09 42 28
	e	42 56
	eS	44 59
	eL	45 47
MONT	iP	09 39 35
	iS	39 48
	iL	39 55
PF	iP	09 50 35
	i	51 04
	ipP	51 17
SJ	e(P)	09 48 33
	eS	52 52
	eL	56 28
TUC	iP	09 50 06
	ipP	50 47
	isP	51 06
	e	51 48
	ePP	53 11
	ePPP	55 08
Sept. 3		
PF	iP	18 22 29
	eL	22 46
Sept. 3		
BC	eP	21 31 58
	i	32 17
GC	eP	21 30 31
HH	iP	21 30 31
	iS	30 55
PF	iP	21 31 58
	e	32 15
TUC	eP	21 32 40
	i	32 49
	i	32 59

Date and Station		Phase (GCT) h m s
Sept. 3, cont.		
BC	e(P)	23 44 07
	i	44 58
PF	eP	23 43 38
	i	43 53
	i(S)	45 03
Sept. 4		
HH	iP	06 55 07
	iS	55 57
Sept. 4		
BC	eP'	15 29 09
	ePP	34 21
BUT	eL	16 23 24
CHI	eL	16 26 01
GC	eP'	15 29 07
	e	30 01
HH	eP'	15 29 00
	i	29 55
HUAN	eS	15 36 10
	ePS	37 49
	ePPS	38 48
	eSS	43 52
	eSSS	48 30
	eL	56 30
PHIL	e	15 43 03
	ePSPS	51 13
	eSSS	55 45
	eL	16 09 53
PF	eP'	15 29 04
	ePP	34 20
SLC	eL	16 32 13
SIT	iSS	15 53 28
	eL	16 28 12
TUC	eP'	15 29 03
	i	29 07
	ePP	33 53

Date and Station		Phase (GCT) h m s
Sept. 4, cont.		
TUC, cont.		
	i	15 30 14
	i	30 48
	e(SKKS)	39 06
	eSKSP	43 13
	eSS	55 28
	eSSS	16 01 15
	eL	18 12
Sept. 4		
TUC	eP	17 50 18
Sept. 5		
PF	iP	02 08 44
TUC	iP	02 08 49
	e	10 48
Sept. 5		
BC	eP	10 12 08
	ePP	15 30
GC	eP	10 11 18
HH	iP	10 11 37
	e	12 59
	e	14 03
PF	iP	10 12 05
	ePP	15 32
TUC	iP	10 12 33
	ePP	16 10
Sept. 5		
PF	eP	12 44 34
TUC	eP	12 43 27
	e	43 45
	i	44 38
Sept. 5		
BC	eP	15 31 46
PF	eP	15 31 40
TUC	eP	15 30 54
	iP	30 59

Date and Station		Phase (GCT) h m s
Sept. 5, cont.		
TUC	eP	16 15 49
	e(S)	17 11
	eL	17 18
Sept. 5		
TUC	eP	17 33 19
	eS	34 20
	eL	34 28
Sept. 5		
HH	eP	22 45 14
	iS	46 04
	iL	46 06
Sept. 6		
HH	iP	00 36 33
Sept. 6		
TUC	eP	01 09 27
Sept. 6		
HUAN	eP	03 53 58
	e(PP)	54 53
	e(PcP)	56 00
	eL	04 01 33
TUC	e(P)	03 56 18
Sept. 6		
BC	eP	05 55 55
PF	eP	05 56 03
TUC	eP	05 55 21
Sept. 6		
HONO	eL	06 17 17
HUAN	e(P)	05 55 20
	eS	59 18
	eL	06 01 03
HH	eP	05 57 19
TUC	eP	05 55 21
Sept. 6		
PF	eP	06 54 45

Date and Station		Phase (GCT) h m s
Sept. 6, cont.		
TUC	iP	06 54 51
Sept. 6		
BER	eP	08 20 04
	ePPP	23 10
	eS	27 41
	eScS	29 50
	eL	33 20
BC	eP	08 21 45
BOZ	eP	08 22 16
	iS	32 12
	e	35 28
	e(SS)	37 32
	eL	48 12
BUT	eP	08 22 25
	iS	32 17
	eL	53 29
CHI	eP	08 21 08
	e(PP)	23 32
	eS	29 54
	iS	29 56
	iScS	31 02
	eSS	34 04
	eL	39 56
GC	eP	08 23 15
HONO	eL	08 52 46
HH	iP	08 22 28
	i	22 45
HUAN	eP	08 13 18
	eS	15 28
	eL	15 48
MONT	iP	08 10 48
	iS	11 11
	iL	11 19
PHIL	e(P)	08 21 47
	ePP	24 03
	e(PPP)	25 54
	iS	30 13

Date and Station		Phase (GCT) h m s
Sept. 6, cont.		
PHIL, cont.		
	i(ScS)	08 31 37
	e	36 18
	eL	41 54
PF	iP	08 21 41
SLC	eP	08 22 08
	iS	31 30
	eSS	36 26
	eL	41 11
SJ	eP	08 18 05
	epP	18 38
	iPcP	19 53
	e(PPP)	20 28
	iS	24 22
	i	24 34
	i	25 52
	iScS	27 28
	eL	28 38
SIT	eL	08 55 24
TUC	iP	08 21 14
	ipP	21 43
	isP	22 04
	i	22 38
	iPP	23 51
	e(PPP)	25 21
	eS	30 13
	e	33 08
	e(SS)	36 03
	eL	38 09
	eP'P'	49 41
Sept. 6		
BC	eP	08 53 55
COL	eS	09 04 42
	eSS	10 06
	eL	17 12
GC	e(P)	08 54 23
HH	eP	08 54 27
PF	eP	08 53 58

Date and Station		Phase (GCT) h m s
Sept. 6, cont.		
TUC	iP	08 54 05
	i	54 19
	e	55 23
	e(PP)	58 19
Sept. 6		
TUC	iP	10 26 42
Sept. 6		
TUC	iP	11 07 19
Sept. 6		
BC	eP	11 36 55
HH	eP	11 37 29
PF	eP	11 36 56
TUC	iP	11 37 02
	i	37 29
Sept. 6		
HUAN	eP	13 03 57
	e(S)	05 46
	eL	06 18
Sept. 6		
PF	eP	13 41 48
TUC	eP	13 41 12
	e	41 31
Sept. 6		
BC	e(P)	15 07 03
PF	e(S)	15 14 13
TUC	eP	15 06 11
	eS	11 32
	eL	13 30
Sept. 6		
BC	iP	16 41 05
	i	41 19
	i(pP)	41 38
BUT	eP	16 41 34
	eS	47 12
	eL	51 36

Date and Station		Phase (GCT) h m s
Sept. 6, cont.		
CHI	eP	16 40 52
	eS	45 20
	eL	46 40
GC	eP	16 42 38
	epP	42 53
HH	iP	16 42 22
	i	42 36
HUAN	eP	16 41 49
	e(S)	47 04
	eL	49 58
PHIL	ePP	16 42 54
	eS	46 24
	eL	48 43
PF	iP	16 40 59
	i(pP)	41 25
SJ	e(P)	16 40 56
	eS	46 04
	eL	49 10
TUC	iP	16 40 20
	ipP	40 44
	isP	40 56
	i	41 18
	e	43 20
	eS	44 34
	i	44 47
	isS	45 20
	eL	47 08
	i(ScS)	47 45
Sept. 6		
BC	iP	18 10 06
HH	iP	18 10 32
PF	iP	18 10 06
TUC	iP	18 10 12
Sept. 6		
HH	eP	19 49 11

Date and Station		Phase (GCT) h m s
Sept. 6, cont.		
BH	eP	21 52 46
	e	53 11
Sept. 7		
BC	eP	04 43 34
HH	iP	04 43 41
PF	iP	04 43 35
TUC	iP	04 43 40
Sept. 7		
BC	e	08 32 24
	eP''	33 32
	ePP	34 14
CHI	eSKS	08 39 00
	ePS	41 24
	eL	59 43
GC	iP	08 28 24
HH	iP	08 28 37
PHIL	eSKS	08 39 52
	e(PPS)	43 20
	eL	56 39
PF	e	08 29 17
	eP''	32 28
	ePP	33 30
STT	eS	08 38 38
	eSS	43 16
	eL	51 22
TUC	e(P)	08 29 38
	eP''	33 33
	iPP	34 07
	ipPP	35 08
	i	35 22
	iPKKP	44 25
	i	44 35
Sept. 7		
HH	iP	16 17 26
	eS	18 34

Date and Station		Phase (GCT) h m s
Sept. 7, cont.		
HH	iP	19 38 33
	iS	39 20
Sept. 7		
TUC	eP	21 21 25
	e	21 34
Sept. 7		
HH	iP	21 35 17
TUC	e(P)	21 40 43
Sept. 7		
PF	eP	22 35 44
HH	iP	22 34 39.5
Sept. 8		
SJ	e(S)	05 12 50
	eL	14 36
Sept. 8		
HH	eP	06 09 52
	eL	11 27
TUC	eP	06 11 08
	e(S)	13 09
	eL	13 40
Sept. 8		
PF	eP	07 10 23
TUC	iP	07 09 50
Sept. 8		
PF	eP	07 57 49
	i(S)	58 22
Sept. 8		
PF	iP	12 05 03
	eL	06 07
Sept. 8		
BH	eP	15 22 45
	eSKS	33 09

Date and Station		Phase (GCT)
		h m s
Sept. 8, cont.		
BER	e(P)	15 24 20
	e	25 08
	iPP	29 10
	iSKS	34 56
	i	36 14
	i	37 10
	iPS	38 54
	iPPS	40 08
	iSS	45 16
	i(PSPS)	45 40
	iSSS	49 46
	i	53 16
	eL	57 22
T_P = 2 sec. A = 1.5mm.		
T_{SKS}=10 sec. A = 3.5mm.		
T_L = 20 sec. $A_{max.}$=18mm.		
BC	iP	15 21 21
	eS	31 23
	eP'P'	48 13
BOZ	eP	15 22 03
	iP	22 16
	i	22 43
	iPP	25 23
	ePPP	27 26
	iS	32 27
	iSS	37 59
	eSSS	41 51
	eL	45 03
CHI	eP	15 23 03
	e	26 39
	ePP	27 07
	ePPP	29 07
	iSKS	33 35
	iS	34 43
	ePS	36 09
	eSS	41 31
	e(SSS)	46 31
	eL	51 45
GC	iP	15 21 46
	e(PP)	25 38
	eS	32 12
	ePKKP	39 59
	eP'P'	48 06

Date and Station		Phase (GCT)
		h m s
Sept. 8, cont.		
HONO	eP	15 17 31
	iS	24 07
	iScS	27 25
	iL	27 30
HH	eP	15 21 58
	iP	21 59.5
	eS	32 19
HUAN	eP	15 22 33
	ePP	26 16
	e(SKS)	33 08
	e(SS)	40 04
	eL	47 20
LIN	eP	15 22(10)
MONT	eSKS	15 33 16
	ePS	34 47
NK	e(P)	15 23 45
	ePP	27 11
	iSKS	34 11
	iPS	37 07
	eSS	42 35
	e(SSS)	47 48
	eL	53 50
PHIL	eP	15 23 30
	e(P')	27 32
	iPP	28 20
	ePPP	30 06
	iSKS	34 09
	iS	35 56
	iPS	37 38
	iSS	43 24
	eSSS	47 08
	eL	53 40
PF	iP	15 21 21
	iS	31 30
	eP'P'	48 10
SLC	eP	15 21 46
	i	22 25
	i	23 33
	ePP	25 25
	iS	32 10

Date and Station		Phase (GCT)
		h m s
Sept. 8, cont.		
SLC, cont.		
	iScS	15 32 42
	i(PS)	33 05
	iPPS	34 03
	iSS	37 49
	iSSS	41 25
	iL	44 07
TUC	eP	15 21 25
	eS	31 30
	iS	31 34
	i	31 40
	iP'P'	48 25
UK	eP	15 21 14
	i	22 16
	ePP	24 14
	iS	30 56
	i	31 06
	iScS	31 46
	i	33 18
	iSS	36 16
	eSSS	39 42
	eL	40 40
Sept. 8		
TUC	eP	17 04 00
Sept. 8		
TUC	eP	17 16 18
	i	17 06
Sept. 8		
HH	eP	18 28 07
TUC	eP	18 27 29
Sept. 8		
HH	iP	19 07 30.5
	e	08 46
TUC	iP	19 06 56
	i	07 10
Sept. 8		
HH	eP	19 29 54
TUC	eP	19 29 20
	i	29 46

Date and Station		Phase (GCT) h m s
Sept. 8, cont.		
HH	iP	19 39 00.5
	i	39 22.5
	e	39 40
TUC	iP	19 38 26
	i	38 34
	i	39 31
Sept. 8		
HH	eP	20 08 19
	e	08 22
TUC	eP	20 08 48
Sept. 8		
HH	eP	20 12 30
	iP	12 31
	i	12 46
	i	13 21
TUC	iP	20 11 56
	i	11 13
Sept. 8		
TUC	eP	20 36 10
Sept. 8		
HH	iP	22 41 39
TUC	eP	22 41 05
	e	41 27
Sept. 9		
TUC	eP	00 46 26
	e	46 56
Sept. 9		
HH	iP	02 21 53
Sept. 9		
TUC	eP	05 41 52
	i	42 04
	i	42 18
	e	43 48
Sept. 9		
TUC	e(P)	05 59 47

Date and Station		Phase (GCT) h m s
Sept. 9, cont.		
HONO	eL	06 27 38
HH	eP	06 17 15
	e	17 32
	eS	21 53
TUC	eP	06 16 40
	i	17 29
Sept. 9		
CHI	eL	07. 02 19
HUAN	eSKS	06 33 12
	ePS	35 04
	eL	54 46
PHIL	e(SKS)	06 35 22
	ePPS	48 34
	eL	07 07 52
TUC	eP	06 21 23
	iP	21 36
	e	22 15
	e(PP)	25 38
	eS	31 33
	e(SS)	37 07
	eL	44 39
UK	eL	06 42 47
Sept. 9		
TUC	eP	06 29 19
	e(S)	31 08
	eL	31 18
Sept. 9		
HH	iP	07 17 36
TUC	eP	07 18 08
Sept. 9		
TUC	eP	12 32 51
Sept. 9		
HH	iP	12 37 25
	e(PP)	40 14
	e	41 27

Date and Station		Phase (GCT) h m s
Sept. 9, cont.		
TUC	iP	12 36 37
	e	37 58
	e	39 50
Sept. 9		
HH	iP	13 37 55
Sept. 9		
HH	eP	14 12 53
TUC	eP	14 12 21
	i	12 35
Sept. 9		
CHI	eL	14 59 43
HONO	eL	14 25 07
HH	e(P)	14 17 31
	e	18 17
HUAN	ePS	14 30 28
	eSS	35 43
	eL	42 04
PHIL	eL	14 58 45
TUC	eP	14 16 56
	i	17 05
	i	17 17
Sept. 9		
PF	eP	16 16 20
Sept. 9		
BC	e(P)	16 53 02
HH	e(P)	16 49 45
TUC	eP	16 52 17
	e	53 08
Sept. 9		
PF	eP	17 37 08
Sept. 9		
BC	eP	17 59 55

Date and Station		Phase (GCT) h m s
Sept. 9, cont.		
HH	eP	18 01 35
PF	iP	17 59 59
Sept. 9		
BC	eP	18 31 14
HH	eP	18 31 54
PF	eP	18 31 19
Sept. 9		
PF	eP	21 17 55
Sept. 10		
HH	eP	01 32 00
PF	eP	01 31 26
TUC	eP	01 31 26
Sept. 10		
HUAN	eP	02 01 28
	eS	02 53
	eL	03 16
Sept. 10		
PF	e(P)	06 11 05
Sept. 10		
BC	iP	12 13 25
	e	14 13
HH	iP	12 14 00
	i	14 49.5
PF	iP	12 13 28
	i	14 17
TUC	iP	12 13 30
	i	13 48
	e	14 13
	i	14 36
Sept. 10		
BER	eP	14 02 28
	ePP	06 34

Date and Station		Phase (GCT) h m s
Sept. 10, cont.		
BER, cont.		
	e	14 09 52
	iSKS	13 02
	e	13 06
	i	13 52
	iS	14 10
	iPS	15 38
	iPPS	16 27
	iSS	20 56
	iSSS	24 51
	iScSScS	26 24
	eL	30 20

T_{SKS} = 7 sec. A = 1mm.
T_L = 16 sec. $A_{max.}$ = 2.5mm.

BC	iP	13 59 53
	i	14 00 06
	eS	09 11
BOZ	eP	13 59 31
	ePcP	14 00 03
	iS	08 19
	i	08 39
	eSS	12 59
	iSS	13 27
	eL	15 43
BUT	eP	13 59 24
	iS	14 08 32
	e	09 12
	eL	17 08
CHI	eP	14 00 51
	iPP	04 11
	eS	10 55
	iS	11 09
	iScS	11 39
	eSS	16 31
	eSSS	20 07
	eL	21 19
COL	eP	13 56 20
	ePP	58 07
	iS	14 02 28
	eL	05 40
	iScS	06 17

Date and Station		Phase (GCT) h m s
Sept. 10, cont.		
GC	iP	13 58 41
	e(S)	14 07 07
HONO	iP	13 57 33
	i	57 48
	iPP	59 40
	e	14 00 30
	iS	04 44
	i	05 08
	iScS	07 22
	eSS	08 27
	eL	09 55

T_P = 5 sec. A = 1.5mm.
T_S = 12 sec. A = 7mm.
T_L = 18 sec. $A_{max.}$ = 7.5mm.

HH	iP	13 59 07
	i	59 21
	i	14 00 48
HUAN	eP'	14 07 53
	e(PKS)	11 01
	eSKKS	16 56
	e	20 21
	e(SS)	27 31
	eSSS	33 24
	eL	42 55
LIN	eP	14 00 35
	i	00 46
	ePP	03 40
	eS	10 21
	i	10 42
	i(ScS)	10 56
	eSS	15 36
	e(SSS)	19 52
	eL	20 04
NK	eP	14 01 16
	ePP	04 26
	iS	11 37
	eSS	17 54
	eL	05 20

Date and Station		Phase (GCT) h m s
Sept. 10, cont.		
PHIL	eP	14 01 26
	i	01 36
	i	01 55
	e(PP)	04 47
	iS	11 55
	iScS	12 25
	iPS	13 15
	eSS	18 02
	eL	25 25
PF	iP	13 59 56
	eS	14 09 16
RC	iP	14 01 07
	i	01 14
	i	01 22
	ePP	03 48
	eS	10 16
	i	10 23
	i(ScS)	10 44
	eSS	14 52
	eL	18 41
SLC	eP	13 59 48
	i	59 58
	e(PP)	14 02 10
	ePPP	03 36
	iS	08 57
	i	09 18
	iScS	10 12
	eSS	13 50
	eSSS	17 05
	eL	18 36
SJ	eP'	14 07 08
	ePP	07 50
	e(SKS)	14 08
	iPS	17 18
	iPPS	18 44
	iSS	23 30
	eSSS	27 46
	eL	34 06
SIT	iP	13 57 18
	i	57 28
	iPP	59 26
	iS	14 04 19

Date and Station		Phase (GCT) h m s
Sept. 10, cont.		
SIT, cont.		
	e(ScS)	14 06 48
	i	07 18
	eSS	08 13
	eL	09 06
TUC	iP	14 00 22
	ipP	00 37
	i	00 47
	i	01 04
	ePP	03 33
	ePPP	05 23
	eS	10 07
	iS	10 27
	iScS	11 06
	i	12 33
	eSS	15 34
	e(SSS)	18 55
	eL	19 44
UK	eP	13 59 32
	e	14 02 09
	eS	07 56
	i	08 26
	iScS	09 20
	eSS	12 22
	eL	15 26
Sept. 10		
HH	eP	14 45 45
	e	45 54
Sept. 10		
TUC	eP	15 23 25
	i	23 40
Sept. 10		
BC	eP	15 45 22
PF	eP	15 45 26
TUC	eP	15 45 06
	e	45 40
	e	45 52
Sept. 10		
BC	eP	20 08 20

Date and Station		Phase (GCT) h m s
Sept. 10, cont.		
HH	eP	20 09 00
PF	iP	20 08 24
TUC	eP	20 08 25
Sept. 10		
BH	iP	22 29 28
	eS	30 10
Sept. 10		
PF	eP	23 34 51
TUC	eP	23 34 52
	i	35 08
Sept. 11		
HUAN	eP	06 55 09
	eS	56 14
	eL	56 24
Sept. 11		
BC	eP	09 06 07
BOZ	eS	09 15 56
	eL	30 27
CHI	eS	09 14 25
	eScS	15 07
	eL	27 07
GC	eP	09 05 26
HH	eP	09 05 12
LIN	eP	09 05 08
	e	05 36
	eS	15 16
	eScS	15 58
	eL	26 08
PF	eP	09 06 04
	e	06 30
TUC	eP	09 06 10
	i	07 43
	iPP	10 44

Date and Station		Phase (GCT) h m s
Sept. 11, cont.		
BC	iP	13 44 57
PF	iP	13 44 58
TUC	iP	13 44 59
Sept. 11		
BC	eP	16 13 44
PF	eP	16 13 47
TUC	eP	16 13 47
Sept. 11		
BC	eP	17 45 17
HH	iP	17 44 29
PF	eP	17 45 17
TUC	eP	17 59 45
Sept. 11		
PF	e(P)	20 09 12
Sept. 11		
BC	eP	23 42 14
GC	eP	23 42 37
HH	eP	23 42 50
PF	eP	23 42 15
TUC	eP	23 42 17
Sept. 12		
PF	eP	01 36 37
	e(S)	37 24
Sept. 12		
BC	iP	03 31 47
COL	eL	04 01 12
GC	eP	03 32 20
HH	iP	03 32 34

Date and Station		Phase (GCT) h m s
Sept. 12, cont.		
HUAN	eSKS	03 43 41
	eS	44 10
	eSS	50 49
	e	50 57
	eL	58 20
PHIL	eSS	03 47 33
	eL	55 25
PF	iP	03 31 59
TUC	iP	03 31 59
	i	32 24
	e	33 27
Sept. 12		
BC	iP	06 35 46
GC	eP	06 36 05
HH	iP	06 36 19
PF	iP	16 35 49
	e	37 49
TUC	iP	06 35 51
	i	36 08
Sept. 12		
PF	eP	08 05 12
TUC	iP	08 04 29
Sept. 12		
PF	eP	09 55 22
Sept. 12		
PF	eP	17 48 59
	e	49 13
Sept. 12		
BC	eP	18 16 44
TUC	iP	18 16 21
	i	16 28
Sept. 12		
BC	eP	19 24 11

Date and Station		Phase (GCT) h m s
Sept. 12, cont.		
HH	iP	19 23 58.5
PF	eP	19 24 14
Sept. 12		
BC	eP	19 57 10
	e	57 39
PF	iP	19 57 12
TUC	eP	19 57 43
Sept. 13		
HH	eP	01 18 33
Sept. 13		
HH	eP	11 35 04
Sept. 13		
BH	eP	11 41 25
	iS	42 05
Sept. 13		
BC	iP	14 21 55
HH	iP	14 23 04
PHIL	eL	15 10 28
PF	iP	14 21 59
TUC	iP	14 22 00
	i	23 05
Sept. 13		
HH	iP	15 18 10
Sept. 13		
PF	eP	16 01 45
Sept. 13		
HH	eP	18 26 33
PF	e(P)	18 27 04
Sept. 13		
HUAN	eP	21 02 54
	eS	04 32
	eL	05 16

Date and Station		Phase (GCT) h m s
Sept. 13, cont.		
HUAN	eP	21 08 24
	e	09 19
PF	e(P)	21 09 58
Sept. 13		
BC	eP	21 13 49
	i	13 58
	ePP	14 27
	eL	25 07
BOZ	eS	21 20 20
	eL	25 06
BUT	eP	21 15 04
	iS	20 13
	eL	23 09
CHI	e(PP)	21 17 24
	e	18 32
	eS	21 46
	eL	24 30
COL	eL	21 43 04
HH	iP	21 15 06.5
	i	15 17.5
	i	15 24.5
HUAN	e(P)	21 15 56
	eS	21 24
	eL	24 40
NK	e	21 17 40
	eL	20 41
PHIL	ePP	21 15 36
	eS	20 01
	eL	21 15
PF	eP	21 13 45
	eL	23 50
RC	e(S)	21 20 13
	eL	22 40
SLC	e(P)	21 14 07
	eS	19 19
	eL	21 33

Date and Station		Phase (GCT) h m s
Sept. 13, cont.		
SJ	e(P)	21 13 16
	eS	17 39
	eL	19 30
TUC	iP	21 13 04
	i	13 17
	i	13 20
	iPP	14 07
	iS	17 40
	eL	18 45
UK	eL	21 29 13
Sept. 13		
PF	eP	22 15 45
Sept. 13		
BC	e(P)	22 20 29
PF	eP	22 20 39
	e(S)	20 24
TUC	eP	22 20 13
	iP	20 19
	iS	21 14
	iL	21 20
Sept. 14		
HH	eP	00 25 14
PF	e(P)	00 23 24
Sept. 14		
PF	eP	04 06 09
Sept. 14		
HUAN	eP	04 57 06
	eS	57 34
	eL	57 43
Sept. 14		
PF	eP	05 35 07
Sept. 14		
PF	eP	07 29 07
Sept. 14		
BC	eP	08 25 02
	iP	25 03

Date and Station		Phase (GCT) h m s
Sept. 14, cont.		
GC	iP	08 25 27
HUAN	e	08 36 56
	ePPS	39 04
	eSS	44 08
	eL	56 30
PF	iP	08 25 05
	e	51 50
TUC	iP	08 25 06
	i	25 27
	i	25 35
	e	28 07
	eS	35 13
	eL	48 40
Sept. 14		
PF	eP	17 06 34
Sept. 14		
TUC	eP	20 05 56
Sept. 14		
BC	eP	20 15 06
HH	iP	20 15 34
PF	iP	20 15 07
TUC	iP	20 15 10
	i	15 33
Sept. 14		
HH	eP	21 19 06
	iS	19 22
PF	i(P)	21 20 42
TUC	eP	21 21 24
	i	21 48
Sept. 14		
BC	e(P)	21 42 26
	i	43 09
HH	iP	21 43 14
	i	43 21
	i	43 36.5
	i	43 56

Date and Station		Phase (GCT) h m s
Sept. 14, cont.		
MONT	e(S)	21 31 23
	eL	31 32
PF	e(P)	21 42 24
TUC	eP	21 41 56
	e	42 38
Sept. 14		
TUC	eP	23 38 24
Sept. 15		
HH	iP	04 06 01
Sept. 15		
HH	eP	04 18 33
	i	19 03
HUAN	iP	04 12 28
Sept. 15		
PF	eP	04 23 00
Sept. 15		
PF	e(P)	06 55 22
Sept. 15		
TUC	eP	09 46 25
	i	46 41
	i	46 55
Sept. 15		
BC	eP	16 58 12
PF	iP	16 58 13
TUC	eP	16 58 15
	i	58 28
Sept. 16		
BH	iP	01 40 32
	iS	41 31
Sept. 16		
HH	iP	02 44 13
	i	44 30
	e	03 00 09

Date and Station		Phase (GCT) h m s
Sept. 16, cont.		
TUC	iP	02 45 38
	e	45 57
Sept. 16		
HH	eP	04 37 09
TUC	iP	04 35 11
	i	35 26
	i	35 30
Sept. 16		
HH	iP	06 02 21
TUC	iP	06 01 50
	i	02 10
Sept. 16		
HH	iP	08 22 16
	i	25 14
TUC	eP	08 22 44
	e	23 30
Sept. 16		
BH	eP	12 13 10
	iS	14 00
TUC	eP	12 18 44
Sept. 16		
PF	iP	21 09 40
Sept. 16		
TUC	iP	22 59 18
	e	59 37
Sept. 17		
HUAN	eP	04 25 18
	eL	30 17
PF	iP	04 32 18
TUC	iP	04 31 54
	i	32 14
	i	32 20
Sept. 17		
HH	iP	08 20 15

Date and Station		Phase (GCT) h m s
Sept. 17, cont.		
BC	eP	09 53 57
HH	iP	09 55 15
HUAN	eP	09 44 57
	eS	47 36
	eL	47 58
PF	iP	09 53 54
TUC	iP	09 53 25
Sept. 17		
TUC	eP	18 27 10
	e	27 22
Sept. 17		
PF	eP	19 50 31
Sept. 18		
HH	iP	02 36 43
Sept. 18		
BC	eP	03 25 34
CHI	eL	03 48 29
TUC	eP	03 24 37
	e	25 08
Sept. 18		
BC	eP	06 57 47
	e(S)	48 10
PF	iP	06 57 33.5
	iS	57 48.8
Sept. 18		
HH	iP	07 54 26
PF	iP	07 55 05
Sept. 18		
BC	iP	08 03 01
HH	iP	08 03 51

Date and Station		Phase (GCT) h m s
Sept. 18, cont.		
HUAN	eP	07 55 00
	eS	58 10
	e	58 18
	eL	58 32
MONT	e(S)	07 52 40
	eL	53 16
PF	iP	08 02 58
TUC	iP	08 02 31
	i	02 50
	i	02 55
	i	03 23
	e	04 47
Sept. 18		
BH	iP	08 37 21
	eS	38 19
BER	eL	08 49 34
BC	eP	08 43 39
BOZ	eL	09 05 28
CHI	eL	08 50 20
HH	iP	08 44 42
HUAN	eP	08 41 17
	ePP	42 01
	eS	45 28
	i	45 44
	eL	46 16
PHIL	e(PP)	08 44 40
	eS	49 00
	eL	54 10
PF	eP	08 43 33
SJ	eP	08 40 46
	i	41 00
	i	41 06
	iS	44 32
	i	44 44
	eL	45 46

Date and Station		Phase (GCT) h m s
Sept. 18, cont.		
TUC	eP	08 42 55
	i	43 12
	i	43 30
	eS	48 23
	eL	50 48
Sept. 18		
TUC	iP	16 03 04
Sept. 18		
BC	eP	16 07 58
PF	iP	16 08 00
TUC	iP	16 08 02
Sept. 18		
BC	eP	21 46 31
TUC	iP	21 46 34
Sept. 19		
HH	iP	01 21 19
Sept. 19		
BC	iP	01 40 35
HUAN	eP	01 32 29
	e	35 21
	eS	37 40
	eL	38 58
PF	iP	01 40 32
TUC	iP	01 40 04
	i	40 24
	i	40 51
	i	46 31
Sept. 19		
BC	eP	04 57 30
GC	eP	04 57 58
HH	eP	04 58 09
HUAN	eL	05 32 00

Date and Station		Phase (GCT) h m s
Sept. 19, cont.		
PF	eP	04 57 24
TUC	eP	04 57 34
	iP	57 36
	i	58 39
	i	59 18
	eL	05 23 42
Sept. 19		
BER	e(P)	06 26 08
	eS	36 08
	i	36 25
	eScS	37 20
	eSS	41 12
	eL	46 32
BC	iP	06 22 37
	i	22 58
	iPP	24 09
	i(PcP)	23 56
	eS	29 27
BOZ	eP	06 22 16
	iS	28 36
	eL	32 08
BUT	e(P)	06 22 03
	eS	27 53
	e	28 21
	eL	31 47
CHI	eS	06 32 07
	iScS	33 47
	eL	42 15
COL	eP	06 18 43
	eS	22 31
	iS	22 41
	iL	22 57
GC	eP	06 21 21
	eS	27 10
HONO	eS	06 26 15
	eL	28 06
HH	iP	06 21 45
	i	22 33
	iPP	22 56

Date and Station		Phase (GCT) h m s
Sept. 19, cont.		
PHIL	eS	06 34 45
	iScS	35 54
	eL	46 01
PF	iP	06 22 40
	iPP	24 16
	eS	29 33
RC	eP	06 18 54
	e(PP)	21 07
	eS	25 54
	eSS	30 04
	eL	31 12
SLC	eP	06 22 31
	eS	29 13
	i	29 30
	iScS	32 22
	eL	32 42
SJ	eP	06 27 05
	eSKS	37 24
	iS	37 52
	eL	50 16
SIT	eP	06 19 16
	iS	24 16
	i	24 45
	eL	25 36
TUC	iP	06 23 14
	i	23 33
	i	23 51
	iPcP	24 22
	ePP	25 37
	IPPP	26 36
	eS	30 40
	eL	35 44
UK	eS	06 27 40
	eL	31 12
Sept. 19		
PF	eP	08 30 19
TUC	iP	08 30 20

Date and Station		Phase (GCT) h m s
Sept. 19, cont.		
TUC	iP	08 42 40
	i	43 34
Sept. 19		
TUC	iP	12 43 28
Sept. 19		
HH	iP	13 09 42
PF	e(P)	13 09 55
Sept. 19		
HH	iP	19 23 55
Sept. 19		
BC	eP	20 28 22
PF	iP	20 28 25
TUC	iP	20 28 25
	i	28 46
Sept. 19		
PF	eP	21 54 20
TUC	eP	21 54 19
Sept. 19		
PF	eP	22 01 05
Sept. 20		
BC	eP	00 23 53
PF	eP	00 23 49
TUC	eP	00 23 55
Sept. 20		
HH	eP	09 46 35
Sept. 20		
HH	eP	11 33 46
Sept. 20		
HUAN	eL	12 49 45
Sept. 20		
HH	iP	18 17 53.5

Date and Station		Phase (GCT) h m s
Sept. 20, cont.		
PF	eP	21 50 55
Sept. 21		
PF	iP	00 04 56
Sept. 21		
BC	e(P)	08 09 32
HH	iP	08 12 04
PF	iP	08 09 41
	e	13 18
TUC	iP	08 08 37
	iS	10 08
	iL	10 35
Sept. 21		
PF	eP	08 29 17
Sept. 21		
BC	eP	14 59 21
HH	iP	15 00 02.5
PF	iP	14 59 24
TUC	iP	14 59 25
	i	59 43
Sept. 21		
BC	iP	15 25 53
Sept. 21		
HUAN	eL	15 38 20
PF	eP	15 31 28
TUC	iP	15 31 32
	i	31 48
Sept. 21		
BC	eP	16 01 32
Sept. 21		
BC	e	17 51 15
	eP''	52 54
	i	56 14
	i	56 41

Date and Station		Phase (GCT) h m s
Sept. 21, cont.		
HUAN	eL	19 00 37
HH	iP	17 50 29
	i	52 34
PF	e	17 51 18
	eP''	52 45
	i	56 15
	i	56 41
TUC	eP	17 51 50
	ePP	53 04
	i	56 30
	i	56 51
	e(SKS)	18 08 08
	e(SKKS)	09 30
	eL	29 05
Sept. 21		
HH	iP	18 02 36
	e	06 37
Sept. 21		
PF	eP	23 48 39
TUC	eP	23 48 38
Sept. 22		
BC	iP	00 04 53
GC	iP	00 04 18
HH	iP	00 04 34
TUC	iP	00 05 15
	i	05 43
	i	06 29
Sept. 22		
BC	eP	01 04 21
Sept. 22		
HH	iP	02 32 19
PF	eP	02 33 46
TUC	eP	02 33 46
	i	34 07

Date and Station		Phase (GCT) h m s
Sept. 22, cont.		
HH	eP	04 44 13
Sept. 22		
BC	eP	05 13 19
	ipP	13 26
GC	eP	05 11 55
HH	iP	05 12 17.5
PF	iP	05 13 21
	ipP	13 30
Sept. 22		
BER	eS	07 34 54
	esS	36 17
	e(SS)	38 54
	eL	42 20
BC	iP	07 29 23
GC	iP	07 30 18
HH	iP	07 30 07.5
HUAN	iP	07 21 20
	i	21 49
	i	22 06
	i	22 32
	iS	24 07
	iL	24 46
PF	iP	07 29 24
SJ	e(P)	07 26 26
	eS	31 34
	i	33 03
	iScP	35 14
	eL	36 06
TUC	iP	07 28 53
	i(pP)	29 04
	isP	29 36
	ePP	31 06
	i(PPP)	32 40
	eS	37 50
	esS	38 18
	ePKKP	47 08
	eP'P'	56 53

Date and Station		Phase (GCT) h m s
Sept. 22, cont.		
BC	eP	17 32 38
HH	eP	17 33 14
PF	eP	17 32 40
TUC	iP	17 32 43
Sept. 22		
BH	eP	18 50 13
	eS	50 57
Sept. 22		
BER	eP	21 34 37
	eS	38 34
	eL	39 36

T_S = 5 sec. A = 0.5mm.
T_L = 8 sec. $A_{max.}$ = 1.5mm.

BC	eP	21 36 38
	e	40 38
CHI	eP	21 35 03
	eL	42 47
COLU	eS	21 37 09
	eL	37 42
GC	eP	21 37 47
HH	iP	21 37 24
PHIL	e(P)	21 34 48
	eS	39 03
	eL	42 15
PF	eP	21 36 33
SJ	eP	21 33 20
	e(S)	36 40
	eL	37 36
TUC	iP	21 35 59
	i	36 10
	e(PP)	37 54
	eS	41 03
	eL	43 15

Date and Station		Phase (GCT) h m s
Sept. 22, cont.		
PF	eP	23 36 52
Sept. 23		
PF	eP	00 46 47
Sept. 23		
BOZ	eL	01 35 05
COL	e(P)	01 01 28
	iS	07 28
	eL	11 06
GC	eP	01 03 31
HUAN	eL	01 57 40
HH	iP	01 03 34.5
PF	eP	01 04 23
TUC	iP	01 04 50
	e	04 56
	i	05 06
Sept. 23		
BC	eP	08 36 22
HH	eP	08 36 54
	i	37 00
PF	eP	08 36 27
TUC	eP	08 36 27
Sept. 23		
TUC	iP	09 20 38
Sept. 23		
TUC	iP	09 33 13
Sept. 23		
BC	eP	09 21 23
PF	eP	09 21 20
TUC	e(PP)	09 26 38
Sept. 23		
HH	iP	12 16 27.5

Date and Station		Phase (GCT) h m s
Sept. 23, cont.		
BC	eP	12 45 17
PF	eP	12 45 21
TUC	eP	12 45 25
Sept. 23		
BC	eP	15 22 27
COL	eS	15 25 06
	eL	28 19
HH	iP	15 21 42
PF	eP	15 22 30
TUC	eP	15 22 57
Sept. 23		
HH	eP	15 50 04
Sept. 23		
TUC	eP	17 53 54
Sept. 23		
HH	eP	21 15 06
	i	17 00
Sept. 23		
BC	i(P)	22 52 18
	i	53 20
PF	i(P)	22 51 30
	iL	53 07
TUC	eP	22 51 02
	i	51 05
	iS	52 01
	iL	52 10
Sept. 24		
BC	eP	00 33 38
	i	34 40
PF	iP	00 33 30
	iL	35 07
TUC	eP	00 33 09
	i	33 15

Date and Station		Phase (GCT) h m s
Sept. 24, cont.		
TUC, cont.		
	iS	00 34 15
	iL	34 24
Sept. 24		
HH	eP	03 06 11
Sept. 24		
BH	eP	05 31 46
	iS	32 22
Sept. 24		
HH	eP	09 16 42
	i	16 52.5
Sept. 24		
BC	eP	14 05 29
PF	e(P)	14 05 45
Sept. 24		
HH	iP	16 30 58
TUC	iP	16 28 16
	i	28 49
Sept. 24		
BER	eL	17 50 40
Sept. 24		
CHI	eL	21 43 03
COL	e(S)	21 04 36
	eL	16 36
HH	eP	20 56 15
SLC	eL	21 28 56
SJ	e(P)	21 01 28
	ePP	06 30
	eL	28 26
SIT	eP	20 54 18
	e(S)	21 04 44
	i	05 17
	iPPS	06 30
	eSS	10 33
	eL	16 40

Date and Station		Phase (GCT) h m s
Sept. 24, cont.		
TUC	e(P)	21 00 15
	eL	29 04
Sept. 24		
GC	iP	22 34 46
	iS	35 18
HH	eP	22 35 45
	eS	37 47
Sept. 24		
GC	eP	23 41 12
HH	iP	23 41 23
TUC	e(PP)	23 46 42
Sept. 24		
TUC	e(P)	23 58 08
Sept. 25		
CHI	eL	00 30 37
COL	eL	00 04 04
HH	eP	00 14 35
	e	58 17
Sept. 25		
TUC	eP	01 07 41
Sept. 25		
HH	eP	03 26 17
TUC	eP	03 31 47
Sept. 25		
COL	eL	06 57 40
HH	iP	06 55 43
TUC	eP	06 57 24
Sept. 25		
HH	iP	15 36 10
PF	eP	15 33 46
	e	37 36

Date and Station		Phase (GCT) h m s
Sept. 25, cont.		
TUC	iP	15 32 47
	iS	34 38
	iL	35 07
Sept. 26		
BC	e(P)	01 11 53
	ipP	12 21
COL	eS	01 21 44
	eL	33 54
GC	eP	01 12 16
	e	12 44
HH	iP	01 12 34
PF	eP	01 12 25
	ipP	13 00
	ePP	16 46
TUC	iP	01 12 36
	ipP	13 08
	i	13 55
	i	14 25
Sept. 26		
HH	iP	04 53 44
Sept. 26		
BC	eP	06 01 30
	e	12 28
HH	iP	06 00 04.5
PF	iP	06 01 28
TUC	iP	06 01 55
	i	02 04
Sept. 26		
BC	eP	06 12 28
PF	eP	06 12 25
	i	12 36
TUC	eP	06 11 35
	i	12 30
	e(S)	16 38
	eL	18 32

Date and Station		Phase (GCT) h m s
Sept. 26, cont.		
HUAN	eP	13 06 29
	e(S)	07 15
	eL	07 27
Sept. 26		
HUAN	eP	14 44 44
	e(S)	45 17
	eL	45 31
Sept. 26		
TUC	iP	18 25 59
	i	26 31
Sept. 26		
BC	iP	21 21 02
	e	21 09
PF	eP	21 21 05
TUC	iP	21 21 11
Sept. 26		
PF	eP	22 53 56
Sept. 27		
COL	eL	02 15 10
Sept. 27		
BC	eP	03 17 43
HH	iP	03 16 32
PF	iP	03 17 46
Sept. 27		
BC	eP	04 15 08
PF	iP	04 15 11
TUC	iP	04 15 16
	i	15 32
Sept. 27		
BC	eP	05 50 07
	epP	50 22
HH	iP	05 50 56

Date and Station		Phase (GCT) h m s
Sept. 27, cont.		
PF	eP	05 50 05
	ipP	50 19
TUC	iP	05 49 36
	i	49 50
	i	50 47
	i	51 08
Sept. 27		
HUAN	eP	11 44 39
	eS	45 23
	eL	45 41
Sept. 27		
BC	eP''	21 32 47
	i	32 56
	ipP'	35 21
	e(PP)	37 04
	eSKS	46 05
GC	iP''	21 32 28
HH	iP''	21 32 42
PF	eP''	21 32 43
	iP''	32 56
	ipP''	35 21
	iPP	37 00
	e(PPP)	40 00
TUC	eP''	21 32 50
	i	33 06
	i	33 49
	ipP''	35 25
	i	35 38
	isP	36 15
	i	36 46
	i(PP)	37 37
	e	38 28
	e	38 51
	e(pPP)	40 36
	e(SKKS)	44 36
	e	45 11
Sept. 28		
HH	iP	02 54 01

Date and Station		Phase (GCT) h m s
Sept. 28, cont.		
PF	eP	07 32 42
	i	33 11
Sept. 28		
HH	iP	12 55 10
Sept. 28		
TUC	eP	16 34 41
	i	34 52
Sept. 28		
BER	ePP	21 57 13
	e	58 06
	eSKS	22 02 26
	eSKKS	03 52
	ePS	06 42
	ePPS	08 12
	eSS	12 44
	e(PSPS)	13 30
	i(P'P')	14 16
	eSSS	17 06
	e	20 06
	eL	24 20
T_L = 15 sec. $A_{max.}$ = 0.5mm.		
BC	eP	21 55 26
	e	58 28
	e(PKKP)	22 06 06
BOZ	e(PP)	21 56 32
	eS	22 03 04
	ePS	04 48
	eSS	10 42
	e(PSPS)	11 20
	eL	27 48
BUR	ePP	21 56 26
	e(S)	22 04 33
	ePS	05 16
	ePPS	06 15
	e(SS)	12 36
	eSSS	16 53
	eL	26 38
BUT	eSKS	22 01 33
	e(PS)	04 45
	ePPS	06 07

Date and Station		Phase (GCT) h m s
Sept. 28, cont.		
BUT, cont.		
	eSS	22 10 35
	eL	24 23
CHI	iSKS	22 02 06
	iSKKS	03 16
	eS	04 04
	ePS	05 46
	e	11 16
	eSS	12 06
	iSS	12 26
	eSSS	16 22
	eL	23 58
GC	eP	21 50 33
	e	53 54
	eSKS	22 01 14
HUAN	eP'	21 57 17
	e	58 48
	e(PKS)	22 02 12
	e(SKKS)	08 18
	e(SKSP)	12 34
	iPPPS	15 42
	e	21 18
	eSS	22 36
	e(PSPS)	24 16
	eSSS	29 12
	eL	44 16
HH	iP	21 50 50
PHIL	e(SKKS)	22 03 24
	ePS	06 15
	eSS	12 35
	e(PSPS)	12 44
	eSSS	17 10
	eL	22 50
PF	eP'	21 55 25
	ePP	56 30
	i	57 04
	i(PPP)	58 17
	e	58 51
	ePS	22 05 58
SJ	eP'	21 56 14
	ePKS	59 26
	eSKKS	22 04 57

Date and Station		Phase (GCT) h m s
Sept. 28, cont.		
SJ, cont.		
	eSKSP	22 08 34
	ePPS	10 28
	eSS	16 15
	eSSS	21 28
	eL	32 15
SIT	eP	21 49 46
	e(PP)	53 41
	ePPP	55 30
	iSKS	22 00 07
	iS	00 32
	iPS	01 16
	ePPS	02 22
	eSS	06 34
	i	07 06
	eSSS	10 28
	eL	13 38
TUC	iP'	21 55 35
	i	57 53
	e	58 07
	iPPP	59 03
	e	22 00 41
	eSKS	02 48
	iPS	06 44
	e(PPS)	08 31
	e(SS)	14 22
	e(SSS)	19 20
	eL	27 20
Sept. 29		
BC	eP	02 15 42
HUAN	eP	02 07 37
	eS	10 17
	eL	10 52
PHIL	eL	03 01 33
PF	eP	02 15 40
TUC	iP	02 15 13
	e	16 12
Sept. 29		
BC	eP	04 07 40
	e	07 51
	i	08 05

Date and Station		Phase (GCT) h m s
Sept. 29, cont.		
PF	eP	04 07 50
	e	08 53
Sept. 29		
PF	eP	04 20 36
TUC	iP	04 20 38
Sept. 29		
PF	eP	04 27 38
Sept. 29		
HH	iP	05 30 39
Sept. 30		
CHI	eL	02 57 11
GC	eP	02 15 34
HH	iP	02 15 46
	i	15 59
	i	16 48
PF	iP	02 15 12
TUC	iP	02 15 13
	i	15 30
	e	16 44
	e(PP)	19 30
	eS	25 42
	eSS	32 05
	e(SSS)	37 20
	eL	43 05
Sept. 30		
HH	eP	02 41 46
Sept. 30		
HH	iP	03 10 23
PF	eP	03 09 08
TUC	eP	03 08 43
	e	09 15
Sept. 30		
PF	iP	03 13 01
TUC	iP	03 13 02
	e	14 55

Date and Station		Phase (GCT) h m s
Sept. 30, cont.		
HH	eP	08 45 30
	i	45 37
Sept. 30		
TUC	eP	13 16 35
Sept. 30		
HH	eP	14 45 35
	i	45 58
TUC	iP	14 45 03
	ipP	45 25
Sept. 30		
BC	eP	16 01 10
HH	iP	16 00 37
PF	eP	16 02 11
TUC	eP	16 01 29
Sept. 30		
BC	iP	19 03 47
GC	eP	19 03 01
HH	iP	19 03 14
PF	eP	19 03 48
TUC	eP	19 04 10

Local and Minor Earthquakes

day	hour
COL	
Sept.	
3	21.3
13	22.6
14	21.2
15	13.3
HONO	
Sept.	
26	01.0
	02.0
HUAN	
July	
1	03.2
	20.4
2	16.3
4	09.8
	05.6
	18.6
	21.1
5	08.3
	16.8
	18.5
6	06.5
	12.0
	19.7
	22.7
7	19.0
	19.8
	20.1
8	13.0
	(strong)
	15.0
	15.5
	23.0
9	00.4
	04.7
	08.2
	08.5
	08.6
	12.7
11	01.2
	14.9
	21.8
	22.7
12	00.1
	02.6

day	hour
HUAN, cont.	
July, cont.	
12	15.6
	17.1
	18.8
13	08.2
	09.6
	10.7
	23.7
14	05.6
15	02.5
	11.5
16	04.1
	10.7
	17.5
	20.8
17	02.5
	(strong)
18	14.3
	15.1
	16.7
	22.0
20	13.0
	10.9
	14.4
	17.7
21	07.9
	08.8
22	07.9
	09.1
	15.7
	21.6
23	07.7
	08.5
	13.0
	17.1
	23.6
25	16.8
	(strong)
	22.0
	(strong)
	22.8
26	05.9
	14.9
27	11.8
28	07.2
	15.8
29	08.8

day	hour
HUAN, cont.	
July, cont.	
29	12.9
30	06.2
31	03.4
	17.6
Aug.	
1	05.8
	10.2
	13.9
	16.3
2	17.5
	23.8
3	09.8
	15.6
	16.6
	17.6
4	05.6
	05.7
	07.6
	17.5
6	18.7
7	04.6
	19.3
8	05.3
	08.0
	17.6
	21.0
10	19.2
12	22.4
13	01.8
	15.0
14	05.7
15	07.5
	(strong)
	11.9
16	11.3
17	04.6
19	11.6
	23.9
20	02.8
	11.8
	12.2
	18.8
21	07.1
	09.8
	15.1

day	hour
HUAN, cont.	
Aug., cont.	
22	06.0
	15.8
23	01.0
	07.9
	12.2
24	08.8
	09.8
25	08.7
26	08.6
	11.6
	(strong)
	11.8
	11.9
	12.3
	16.5
	17.5
28	09.1
	19.5
29	11.1
	21.5
30	04.5
	06.3
	09.1
	13.1
	14.3
	17.4
31	00.5
	04.8
	05.0
	05.1
	15.3
	20.8
Sept.	
1	13.0
2	01.5
	21.3
	(strong)
5	09.6
	10.3
	19.4
	19.4
6	10.9
7	02.7
	(strong)
8	01.5

day	hour
HUAN, cont.	
Sept., cont.	
8	05.2
9	06.0
10	10.2
11	00.2
	02.5
	16.8
	17.9
12	02.4
13	18.1
	21.4
14	09.1
	17.5
15	09.4
	13.1
	(strong)
	13.9
16	04.2
17	04.8
	19.7
	(strong)
18	04.4
19	11.1
	13.8
20	08.5
	16.3
	17.9
23	05.3
	09.7
26	01.7
	08.0
27	12.1
28	14.3
	15.1
	06.1
29	01.6
30	16.5
MONT	
Sept.	
19	01.5
SJ	
Aug.	
7	05.1
19	07.9

Local and Minor Earthquakes

day	hour	day	hour	day	hour	day	hour	day	hour
SJ, cont.		TUC, cont.							
Sept.		Sept., cont.							
1	00.1	12	19.4						
3	18.5	13	18.1						
7	06.4		23.3						
8	09.1	14	04.1						
21	01.1		05.1						
24	13.5	17	10.3						
			14.8						
TUC		18	05.3						
July			11.1						
5	09.1		23.9						
	10.6	20	18.3						
6	20.9	21	05.4						
9	02.7	24	01.5						
11	15.4		02.2						
16	00.2		05.8						
18	01.1		06.3						
	09.8		07.3						
21	00.4		14.1						
22	13.0		19.7						
	22.9	27	04.5						
26	19.3	29	04.1						
	22.2								
27	01.2								
Aug.									
3	06.7								
4	18.7								
5	17.7								
13	09.6								
17	13.3								
20	13.4								
21	08.8								
	11.8								
	13.1								
26	10.3								
	11.1								
30	20.5								
Sept.									
1	19.7								
	21.5								
	23.4								
2	02.1								
	08.0								
	08.7								
	09.1								
3	23.7								