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SEISMOLOGICAL BULLETIN

July, August, September, 1947

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March 4, 2011

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

**Balboa Heights, C. Z. (BH)
The Panama Canal
*Bermuda (BER)
Meteorological Station and International Union Geodesy and Geophysics
*Boulder City, Nev. (BC)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
**Burlington, Vt. (BUR)
University of Vermont
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and
U. S. Weather Bureau
*College, Alaska (COL)
University of Alaska
*Columbia, S. C. (COLU)
University of South Carolina
*Grand Coulee, Wash. (GC)
Bureau of Reclamation
Honolulu, T. H. (HONO)
*Huancayo, Peru (HUAN)
Carnegie Institution of Washington
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Logan, Utah (LOG)
Utah State Agricultural College
**Montezuma, Chile (MONT)
Smithsonian Institution
**New Kensington, Pa. (NK)
Private station
*Overton, Nev. (OV)
Bureau of Reclamation and
National Park Service
**Philadelphia, Pa. (PHIL)
The Franklin Institute
*Pierce Ferry, Ariz. (PF)
National Park Service
*Rapid City, S. Dak. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
**Seattle, Wash. (SEA)
University of Washington
*Shasta, Calif. (SH)
Bureau of Reclamation
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitude Observatory

*Indicates a station maintained by a local institution in cooperation with the U. S. Coast and Geodetic Survey.
**Indicates a station operating on an independent basis.
Other stations are observatories of the U. S. Coast and Geodetic Survey

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

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

All seismograms are on file in the U. S. Coast and Geodetic Survey, except those from Balboa Heights, Burlington, Logan, and New Kensington, which may be obtained on loan by addressing the Seismograph Station Director: - Meteorological and Hydrographic Office, Panama Canal Company, Balboa Heights, Canal Zone; University of Vermont, Burlington, Vermont; Utah State Agricultural College, Logan, Utah; 508 Pershing Drive, New Kensington, Pennsylvania.

SEISMOGRAM INTERPRETATIONS

Date and Station		Phase (GCT) h m s
July 1 TUC	iP	03 15 50
July 1 BC	e(P)	08 52 52
	eP	52 59
	i	53 56
PF	i(P)	08 52 44
	iP	52 52
July 1 PF	iP	13 49 09
TUC	iP	13 49 13
July 1 SH	eP	18 18 43
July 2 SH	e(P)	01 27 37
TUC	eP	01 27 49
	e	28 08
July 2 SH	eP	18 14 24
July 2 BH	eP	21 09 35
	iS	09 59
July 2 BC	iP	21 32 24
PHIL	eL	21 43 22
TUC	eP	21 31 39
	i	31 45
July 3 PHIL	eL	01 53 23
TUC	iP	01 44 45
July 3 BH	e	02 39 44

Date and Station		Phase (GCT) h m s
July 3, cont. BC	iP	02 41 15
	eL	49 59
BOZ	e(P)	02 42 13
	e	47 36
	e	52 33
BUT	eL	02 54 12
GC	e(P)	02 42 53
OV	iP	02 41 17
PF	iP	02 41 12
	eL	49 13
RC	eL	02 51 17
SLC	e	02 46 49
	eL	51 21
SH	eP	02 42 20
	e	43 43
	i	44 56.5
SIT	eL	03 02 12
TUC	iP	02 40 27
	i	42 32
	i(PcP)	44 27
	e(S)	46 25
	i	47 25
	eL	48 20
July 3 TUC	eP	06 01 30
July 3 HUAN	eP	07 25 09
	i(S)	26 27
	eL	26 35
SH	e(P)	07 35 16
TUC	eP	07 33 54

Date and Station		Phase (GCT) h m s
July 3, cont. HUAN	eP	08 02 18
	eS	03 39
	eL	03 40
SH	e(P)	08 12 26
TUC	eP	08 11 05
July 3 TUC	iP	11 00 07
July 3 COL	eL	21 18 13
July 4 PF	iP	01 42 42
	e	42 45
July 4 BH	eP	06 51 45
	e	52 20
July 4 BH	eP	08 41 03
	eS	41 18
July 5 SH	eP	06 42 07
July 5 SH	eP	10 59 46
TUC	eP	11 00 07
	i	00 14
July 5 SH	e(P)	14 33 50
July 5 TUC	eP	16 03 59
	e(P'P')	34 48
July 5 SH	iP	22 50 39.2
	iS	50 48.2

Date and Station		Phase (GCT) h m s
July 6		
BC	iP	11 14 13
GC	eP	11 14 40
PF	eP	11 14 08
	eS	22 36
	e	22 50
TUC	iP	11 13 24
	e	15 34
	e(S)	20 09
	e	20 38
July 6		
BC	iP	12 21 10
	ipP	21 34
OV	iP	12 21 13
	ipP	21 37
SH	eP	12 20 51
	epP	21 15
TUC	eP	12 21 19
	i	21 43
	ipP	21 48
	e	24 26
July 6		
TUC	eP	18 06 02
	e	14 45
July 6		
PF	iP	21 21 12
	e	21 37
July 7		
SH	eP	02 35 40
July 7		
BC	e(P)	04 41 54
	iP	42 09
	i	42 14
OV	eP	04 41 59
PF	eP	04 42 04
	i	43 45

Date and Station		Phase (GCT) h m s
July 7, cont.		
SH	e(P)	04 41 33
	eP	41 47
	e	41 52
	iS	42 16
	i	42 24
	eL	43 20
TUC	e(P)	04 42 50
	e	44 24
	e	44 36
	e(S)	45 28
	iL	46 04
UK	e(P)	04 41 15
	eL	42 01
July 7		
SH	eP	13 38 11
TUC	iP	13 37 02
July 7		
TUC	iP	17 44 11
	i	44 17
July 7		
SH	eP	18 35 17
TUC	iP	18 35 33
July 7		
SH	eP	22 49 05
TUC	eP	22 49 15
	e	53 09
July 8		
TUC	iP	01 17 21
July 8		
TUC	eP	05 25 32
	e	25 46
July 8		
HUAN	iP	23 45 22
July 9		
TUC	e(P)	08 43 54

Date and Station		Phase (GCT) h m s
July 9, cont.		
TUC	e(P)	18 56 29
July 9		
SH	eP	21 46 48
TUC	e(P)	21 47 11
July 9		
TUC	e(P)	22 56 31
July 10		
SH	e(P)	01 59 47
TUC	iP	02 01 28
July 10		
BER	eL	08 51 18
SJ	eP	08 45 48
	iS	46 09
	iL	46 18
Felt: Caguas		
July 10		
BUT	eSKS	10 43 24
HUAN	eP'	10 39 10
RC	eSKS	10 44 07
SH	e(P)	10 36 40
SIT	eS	10 42 30
TUC	ePP	10 39 13
July 10		
BER	eL	11 03 06
BC	iP	10 56 52
BOZ	eS	11 01 14
	eL	05 47
BUT	eP	10 55 48
	e(S)	11 01 08

Date and Station		Phase (GCT) h m s
July 10, cont.		
CHI	eS	11 00 24
	eL	05 27
COL	eP	10 54 26
	eS	59 18
	eL	59 33
COLU	eL	11 05 13
GC	eP	10 55 27
	eS	11 02 13
HUAN	eP	11 01 26
	eSS	16 26
	e(SSS)	20 00
NK	eL	11 05 28
OV	iP	10 56 47
PHIL	ePP	10 56 24
	eS	11 00 48
	eL	02 59
PF	iP	10 56 50
RC	eP	10 55 32
	eS	11 00 52
	eL	02 08
SLC	e(P)	10 56 52
	e(S)	11 02 33
	eL	07 00
SH	iP	10 56 30.5
	ePP	58 30
SIT	eS	10 59 12
	eL	11 01 36
TUC	iP	10 57 12
	e	57 32
	e	59 05
	eS	11 03 56
UK	eL	11 10 10
July 10		
BC	iP	11 07 09
	e	07 11

Date and Station		Phase (GCT) h m s
July 10, cont.		
OV	iP	11 07 10
	e	07 11
PHIL	ePP	11 08 02
PF	iP	11 07 05
SH	eP	11 08 13
TUC	iP	11 06 24
	i	06 30
	i	06 56
	iPP	07 23
	e(PPP)	08 13
	eS	10 34
	eL	11 23
July 10		
SH	iP	12 17 21
TUC	iP	12 17 36
July 10		
BER	e(P)	16 11 22
	e	15 08
	eL	18 40
BC	eP	16 11 07
	iPP	12 15
	e	20 30
BUT	eP	16 12 07
	ePP	13 28
	e	16 40
CHI	e(P)	16 11 12
	eS	15 56
	eL	19 07
COLU	e(P)	16 10 08
	e(S)	14 22
	eL	17 48
GC	eP	16 12 40
	i	12 46.5
	ePP	14 14
NK	esS	16 16 01
	eL	18 02

Date and Station		Phase (GCT) h m s
July 10, cont.		
OV	eP	16 11 09
PHIL	eP	16 11 18
	e	11 58
	e	16 52
	ePcS	17 51
	eL	19 48
PF	eP	16 11 04
RC	eP	16 11 28
	eS	16 31
	eL	21 00
SLC	eP	16 11 38
	e(S)	17 01
	eL	20 22
SH	eP	16 12 12
	ePP	13 46
SIT	eP	16 14 24
	e(S)	22 06
	eL	34 06
TUC	eP	16 10 22
	iP	10 23
	ipP	10 30
	iPP	11 01
	i	11 19
	i	11 36
	i	11 57
	e(S)	14 50
	i(ScS)	17 03
	e	17 25
	eL	18 49
UK	eL	16 26 15
July 10		
TUC	iP	16 17 44
July 10		
TUC	eP	16 20 38
July 10		
PF	iP	17 12 25
	i	12 38
	eS	13 30

Date and Station		Phase (GCT) h m s
July 10, cont.		
SH	eP	20 31 49
July 10		
BH	eP	22 32 23
	eS	33 06
July 10		
SH	i(P)	23 15 06
July 11		
OV	iP	02 23 55
PF	iP	02 23 55
SH	eP	02 23 39
TUC	iP	02 23 58
July 11		
SH	i(P)	19 23 06
TUC	iP	19 21 56
July 11		
SH	eP	20 06 37
TUC	eP	20 06 57
July 11		
HUAN	iP	20 32 24
	iS	34 17
	i	35 44
July 11		
HUAN	e(P)	20 39 32
July 11		
HUAN	eP	20 44 58
	iS	45 26
	iL	45 43
July 11		
PF	iP	20 41 34
SH	e(P)	20 41 57
TUC	eP	20 41 02
	i	41 11
	i	41 18

Date and Station		Phase (GCT) h m s
July 11, cont.		
TUC	e(P)	22 22 19
July 12		
OV	iP	00 12 38
PF	eP	00 12 38
TUC	e(P)	00 12 40
July 12		
BC	iP	02 09 59
COL	eP	02 06 23
	e(pP)	06 56
	e(PcP)	08 35
	eS	12 23
	esS	12 44
	eL	18 47
GC	eP	02 08 56
	epP	09 08
HONO	eL	02 21 36
OV	iP	02 09 58
PHIL	eP	02 11 35
	eS	22 03
	esS	22 30
	eL	32 03
PF	eP	02 10 02
	ipP	10 20
	iS	19 11
SH	eP	02 09 10
	eS	17 34
SIT	eP	02 07 19
	eS	14 12
	esS	14 31
	e(ScP)	16 54
	eL	21 30
TUC	iP	02 10 29
	ipP	10 42
	isP	10 47
	e	11 28
	eS	19 55
	eL	33 32

Date and Station		Phase (GCT) h m s
July 12, cont.		
SH	iP	06 07 42
July 12		
PHIL	e	06 28 45
	eL	39 37
July 12		
BH	iP	06 56 58
	eS	57 38
July 12		
BER	e(P)	12 48 42
	ePP	49 24
	eSKS	55 18
	eSKKS	56 36
	eS	57 54
	ePS	59 06
	eSS	13 05 48
	eSSS	10 59
	eL	26 12
T_L = 20 sec. $A_{max.}$ = 3mm		
BC	eP	12 41 47
BOZ	eP	12 42 29
	e	43 23
	eSKS	53 06
	ePPS	54 44
	e(SS)	59 21
	eL	13 06 04
CHI	e(SKS)	12 53 48
	eS	55 05
	eL	13 14 39
COL	eP	12 42 28
	eSKS	52 48
	eS	53 07
	eL	13 05 32
GC	eP	12 42 14
HONO	eS	12 44 20
	e	46 28
T_S = 8 sec. $A_{max.}$ = 4mm.		
OV	eP	12 41 49

Date and Station		Phase (GCT) h m s
July 12, cont.		
PHIL	ePP	12 49 24
	eSKS	54 39
	e(SKKS)	55 21
	eS	56 27
	ePS	57 58
PF	iP	12 41 48
	eS	51 37
	e	51 54
RC	e(P)	12 43 00
	e	44 09
	eSKS	53 28
	eS	54 04
	eL	13 13 57
SLC	e(P)	12 42 45
	e(S)	53 04
	eL	13 06 05
SH	eP	12 41 34
SIT	eP	12 42 08
	eS	52 30
	eL	13 03 48
TUC	eP	12 41 50
	i	41 52
	i	42 09
	ePP	45 05
	ePPP	47 24
	eS	52 01
	eScS	55 38
	ePKKP	13 00 11
	e(L)	04 34
UK	eP	12 41 17
	e	48 06
	eS	51 06
	eSSS	59 15
July 12		
HUAN	eP	14 18 26
SH	e(P)	14 24 47
TUC	iP	14 23 14
	i	23 20

Date and Station		Phase (GCT) h m s
July 12, cont.		
BH	eP	22 18 26
	eS	19 05
July 13		
BER	eL	02 52 19
July 13		
BOZ	e(S)	06 33 42
	eL	37 32
BUT	eL	06 37 12
CHI	e	06 31 43
	eL	38 22
COL	eL	06 51 28
OV	eP	06 26 11
	eS	32 38
PF	iP	06 26 06
	eS	32 45
RC	eP	06 27 10
	e(S)	33 24
	e	34 04
	eL	35 52
SLC	e(P)	06 26 49
	e(S)	32 12
	e	33 04
	e	34 48
	eL	35 24
SH	e(P)	06 27 21
SIT	eL	06 46 20
TUC	iP	06 25 15
	i	25 23
	i	25 30
	i	25 52
	i(S)	30 29
July 13		
GC	eP	12 56 41
TUC	iP	12 55 58

Date and Station		Phase (GCT) h m s
July 13, cont.		
BC	iP	13 09 31
	epP	10 03
	eS	19 24
	iSKS	19 43
	epS	20 35
COL	eSKS	13 20 32
	esS	21 21
GC	eP	13 09 54
	epP	10 27
HONO	eL	13 15 12
OV	iP	13 09 36
	i(pP)	10 06
	eS	19 31
PHIL	eP	13 22 00
	e	24 41
	eP'	25 57
	ePPP	29 09
PF	iP	13 09 35
	ipP	10 07
	eS	19 32
SH	eP	13 09 20
	ipP	09 52
	eS	19 05
SIT	e(SKS)	13 19 56
	e(S)	20 03
	esS	20 52
TUC	iP	13 09 37
	ipP	10 08
	eS	19 33
	eP'P'	36 27
	eL	36 55
July 14		
SH	eP	05 41 32
	e	41 57
	eS	42 24
July 14		
HUAN	eP	07 01 47
	e	04 53
	e	06 32

Date and Station		Phase (GCT) h m s
July 14, cont.		
SH	e(P)	07 08 16
TUC	e(P)	07 06 45
July 14		
TUC	eP	10 18 05
July 14		
BOZ	eL	18 17 18
TUC	eP	18 04 41
	e	10 36
July 15		
TUC	iP	04 44 15
July 15		
SH	eP	14 26 31
TUC	e(P)	14 27 30
July 16		
PF	iP	07 37 42
	i	37 48
	eS	38 18
July 16		
BC	iP	11 31 10
	ipP	31 37
HUAN	eP	11 22 46
	e	24 47
	e	25 39
	e	26 49
MONT	e(P)	11 20 29
	i(S)	20 47
	eL	21 02
OV	iP	11 31 12
	ipP	31 40
PF	iP	11 31 08
TUC	iP	11 30 38
July 16		
BC	iP	15 38 06
	i	38 54

Date and Station		Phase (GCT) h m s
July 16, cont.		
HUAN	eP	15 29 41
	i	29 51
	e	31 57
	eS	32 08
	eL	32 30
MONT	e(P)	15 27 45
	eS	28 17
	eL	28 32
OV	iP	15 38 08
	i	38 56
PF	iP	15 38 04
	e	38 53
TUC	eP	15 37 35
	epP	38 23
July 16		
TUC	iP	16 47 19
	i	47 43
July 16		
SH	eP	18 00 24
July 16		
BC	eP	19 33 13
GC	eP	19 32 27
HUAN	eP'	19 40 21
OV	eP	19 33 15
PF	eP	19 33 15
	eS	43 40
SH	eP	19 32 33
	iP	32 34.5
SIT	eP	19 31 04
	eS	39 28
	eL	46 07
TUC	eP	19 33 37
	e	34 25

Date and Station		Phase (GCT) h m s
July 17		
BER	e	05 07 12
	eL	39 24
COL	eL	05 08 36
HONO	eL	04 56 49
HUAN	eL	05 38 15
PHIL	eSKS	04 58 43
	ePPS	05 05 18
	eSS	10 33
	eL	23 05
SH	eP	04 45 32
SIT	eP	04 45 10
	e	45 20
	eSKS	55 28
	eS	55 45
	ePS	56 32
	eL	05 07 10
TUC	eP	04 50 11
	eL	05 19 16
UK	eL	05 10 10
July 17		
BC	iP	06 39 47
	i	43 00
GC	iP	06 40 04.5
	epP	41 52
OV	iP	06 39 50
	eS	49 18
PF	iP	06 39 50
	ipP	41 53
	i	43 00
	eS	49 17
SH	iP	06 39 33.5
	epP	41 37
	eS	48 43
TUC	iP	06 39 53
	iPcP	40 09
	epP	41 54
	e(PP)	43 07
	e(S)	49 20

Date and Station		Phase (GCT) h m s
July 17, cont.		
BC	eP	10 52 11
	epP	53 10
SH	eP	10 51 53
TUC	eP	10 52 20
	epP	53 20
July 17		
TUC	eP	14 39 29
	e	42 49
July 17		
BH	eP	16 11 45
	eS	12 44
July 18		
SH	eP	02 27 51
TUC	e(P)	02 29 30
	i	29 37
July 18		
SH	eP	05 45 47
TUC	iP	05 46 02
July 18		
SH	eP	18 29 51
TUC	eP	18 31 37
July 19		
HUAN	eP	02 46 01
	e(S)	46 53
	e	47 19
July 19		
OV	iP	11 09 44
PF	iP	11 09 46
SH	iP	11 08 58.5
TUC	iP	11 10 11
	i	10 17
	i	10 25
	i	12 55
	i	15 32

Date and Station		Phase (GCT) h m s
July 19, cont.		
TUC	iP	14 00 03
	e	00 26
July 20		
SH	eP	08 43 23
TUC	e(P)	08 48 44
July 20		
OV	eP	09 34 33
	eS	35 05
PF	iP	09 34 27
	e	34 33
	eS	35 05
July 20		
HUAN	e(P)	10 34 37
	e(S)	40 40
	eL	43 14
TUC	eP	10 37 03
July 20		
GC	e(P)	10 44 09
HUAN	e(P)	10 47 44
	e(S)	51 26
	eL	55 14
SH	e(P)	10 44 11
	e	44 14
	e	44 26
SIT	eL	11 15 50
TUC	eP	10 44 30
	e	49 06
July 20		
BC	eP	12 29 46
HONO	e(S)	12 32 10
	e	33 10
	e	35 10
OV	iP	12 29 51
PF	iP	12 29 50

Date and Station		Phase (GCT) h m s
July 20, cont.		
SH	eP	12 29 36
TUC	iP	12 29 51
July 21		
BC	iP	00 45 42
	ipP	47 10
	iS	55 32
GC	e(P)	00 46 02
	e(pP)	47 29
OV	iP	00 45 46
	ipP	47 14
	iS	55 38
PF	iP	00 45 45
	ipP	47 14
	iS	55 37
SH	iP	00 45 31
	e	46 58
	e(S)	55 08
TUC	iP	00 45 46
	i	45 54
	i	46 03
	iP	47 15
	eS	55 44
	e	56 33
	e	01 04 02
	iP'P'	12 12
	e	14 58
July 21		
SH	eP	02 08 38
TUC	eP	02 08 53
	epP	10 30
July 21		
BC	iP	04 14 50
	ipP	15 03
PF	iP	04 14 53
	i	15 01
	ipP	15 07
	i	15 16

Date and Station		Phase (GCT) h m s
July 21, cont.		
SH	eP	04 14 01
	ipP	14 15
TUC	eP	04 15 19
	e	15 27
	ipP	15 33
	i	15 40
July 21		
SH	eP	06 35 03
TUC	iP	06 35 19
July 21		
BC	eP	10 15 53
PF	eP	10 15 54
TUC	e(P)	10 16 02
	i	19 24
	e	21 11
July 21		
PF	iP	11 23 52
	e	23 58
	i	24 05
	iS	24 29
July 21		
SH	iP	17 07 53.6
	iS	08 07.1
July 22		
OV	iP	12 30 40
	ipP	30 55
PF	iP	12 30 37
	ipP	30 52
SH	eP	12 31 17
	ipP	31 32
TUC	eP	12 30 08
	ipP	30 23
July 23		
BH	e(P)	05 17 08
	eS	19 51

Date and Station		Phase (GCT) h m s
July 23, cont.		
BER	eL	05 19 00
$T_L = 18$ sec. $A_{max.} = 5$mm.		
BC	eP	05 21 44
OV	eP	05 21 38
	iP	21 43
PHIL	eP	05 18 30
	e(S)	22 22
	eL	24 20
PF	eP	05 21 38
SJ	eP	05 14 03
	i	14 07
	i(S)	14 27
SH	iP	05 22 33
TUC	eP	05 21 13
	e	21 48
	ePP	22 53
July 23		
BER	eP	17 26 24
	eSKS	37 24
	eSS	42 40
	eL	50 12
$T_{PP} = 6$ sec. $A = 2.5$mm.		
$T_{SKS} = 14$ sec. $A = 11$mm.		
$T_L = 20$ sec. $A_{max.} = 7$mm.		
EC	eP'	17 32 07
BOZ	ePP	17 33 49
	eSKS	39 18
	ePS	43 24
	eSS	50 26
	eSSS	54 16
	eL	59 40
BUT	e	17 54 04
	eL	18 08 40

Date and Station		Phase (GCT) h m s
July 23, cont.		
CHI	ePP	17 32 22
	e(PPP)	34 10
	eSKS	38 23
	eS	39 49
	ePS	41 34
	ePPS	42 46
	eSS	47 22
	eL	18 00 34
COL	eP'	17 33 07
	e	34 35
	eSS	55 35
GC	eP'	17 32 28
HUAN	iP	17 23 07
	iS	30 53
	eL	41 18
PHIL	eP	17 27 28
	ePP	31 41
	e	32 11
	e(PPP)	33 22
	eSKS	37 58
	eS	39 03
	eSS	46 08
	eL	55 21
PF	eP'	17 31 58
	eP'	32 05
	ePP	33 03
RC	ePP	17 33 20
	eS	41 08
	eSS	49 08
	eL	18 05 30
SLC	ePP	17 34 02
	eSKS	39 35
	e	41 50
	e	41 56
	e	43 55
	e	49 51
	e	51 32
	e	57 05
	eL	18 08 53
SH	eP'	17 32 18

Date and Station		Phase (GCT) h m s
July 23, cont.		
SIT	eP'	17 33 12
	ePP	36 24
	eSS	54 20
	e	55 48
	eL	18 07 48
TUC	eP'	17 31 53
	ePP	32 35
	eSKS	38 40
	e(S)	39 45
	e	42 23
	ePPS	42 55
	eSS	48 21
	e(SSS)	53 46
	eL	59 05
July 23		
PF	iP	21 34 30
SH	eP	21 34 16
	i	34 27
	e	34 47
TUC	iP	21 34 30
	i	35 01
July 24		
COL	iP	03 48 22
	iL	48 41
July 24		
PF	iP	06 12 43
	e	12 49
	eS	13 20
July 24		
HUAN	eP	08 49 36
	e	50 20
	eS	57 28
	e	58 48
	e(ScS)	59 32
	e	09 02 28
	eL	04 15
SH	eP	08 58 49
TUC	e(P)	08 58 27
	e	59 29

Date and Station		Phase (GCT) h m s
July 24, cont.		
BC	eP	10 52 56
PF	eP	10 53 00
	e	11 02 32
SH	eP	10 52 40
TUC	eP	10 53 04
July 24		
RC	e(P)	11 04 31
SLC	e(P)	11 04 13
	eL	19 21
SH	eP	11 01 49
SIT	e	11 03 05
TUC	eP	11 02 13
July 24		
BC	eP	11 14 09
PF	iP	11 14 13
SH	e(P)	11 13 50
	e	13 53
TUC	iP	11 14 17
	i	14 24
July 24		
SH	eP	12 23 38
TUC	eP	12 24 03
July 24		
BER	eP'	12 36 18
	ePP	38 13
	iPKS	39 20
	e(PPS)	50 13
	eSS	56 08
	eL	13 16 08

T_{PKS} = 2 sec. A = 11mm.
T_{PPS} = 4 sec. A = 8mm.
T_L = 20 sec. $A_{max.}$ = 11mm.

Date and Station		Phase (GCT) h m s
July 24, cont.		
BC	eP	12 29 59
	eSKS	40 15
	eS	40 31
	e	55 37
BOZ	eP	12 30 23
	ePP	34 18
	ePPP	36 29
	eSKS	41 12
	eS	41 52
	ePPS	44 12
	eSS	48 40
	eSSS	52 16
	eL	57 00
BUT	eP	12 30 29
	ePP	34 10
	eSKS	41 29
	e	46 36
	eSS	48 48
	eL	57 05
CHI	eP'	12 35 02
	ePP	36 06
	eSKS	42 10
	eS	43 06
	ePS	45 33
	ePPS	46 48
	eSS	51 29
	eSSS	56 20
	eL	13 06 21
COL	e(P)	12 29 53
	ePP	33 20
	ePPP	35 42
	eSKS	40 26
	eS	40 46
	ePS	41 50
	eSS	46 18
	eL	52 15
COLU	eP'	12 35 39
	eSKS	42 28
	ePS	46 17
	eL	13 04 22
GC	eP	12 30 04
	ePP	33 42

Date and Station		Phase (GCT) h m s
July 24, cont.		
HONO	eP	12 25 (40)
	ePcP	26 (50)
	eS	33 (01)
	iS	33 (09)
	eL	37 (54)
T_S = 15 sec. A = 3.8mm.		
T_L = 18 sec. $A_{max.}$ = 4.8mm.		
HUAN	ePP	12 35 56
	e	37 24
	eS	43 10
	ePS	45 30
	eSS	51 12
	ePSPS	51 58
	e(SSS)	54 07
NK	iPP	12 36 55
	eSKS	42 37
	e	44 01
	ePS	46 57
	e(SS)	51 45
	eL	13 15 02
PHIL	ePP	12 36 58
	i	37 17
	eSKS	42 48
	e(S)	44 27
	iPS	47 08
	eSS	53 24
	e(SSS)	56 59
	eL	13 09 09
PF	iP	12 29 56
	eS	40 29
	eL	55 36
RC	e(P)	12 31 04
	ePP	35 08
	eSKS	41 32
	eS	42 08
	ePS	43 40
	eL	06 01 09
SLC	eP	12 30 34
	ePP	34 40
	eSKS	41 31
	eS	42 04
	ePS	43 14
	eSS	48 21
	eL	57 40

Date and Station		Phase (GCT) h m s
July 24, cont.		
SH	iP	12 29 36.5
	eS	40 10
SIT	eP	12 29 44
	ePP	33 07
	e	33 56
	eSKS	40 18
	ePS	41 42
	eL	52 18
TUC	iP	12 30 00
	i	30 09
	iPP	33 38
	e	35 20
	eSKS	40 45
	eS	41 23
	ePS	42 08
	ePPS	42 55
	eSS	47 18
	e	47 30
	e(SSS)	51 33
	eL	54 34
	e(P'P')	55 39
UK	eP	12 29 31
	eS	40 09
	eL	54 19
SH	iP	14 30 29.8
	iS	30 39.0
July 24		
PF	iP	16 41 11
SH	e(P)	16 40 49
	eP	40 51
TUC	eP	16 41 15
July 24		
BC	eP	16 55 14
	iP	55 24
	eS	56 34
PF	iP	16 55 23
	i	55 25
	eS	56 58

Date and Station		Phase (GCT) h m s
July 24, cont.		
BC	e(P)	22 11 25
	iP	11 26
	i	11 31
	i	11 39
BOZ	e(P)	22 13 50
	eS	17 15
	iL	17 53
BUT	eP	22 13 50
	eS	17 20
	eL	17 44
CHI	eP	22 16 02
	eS	20 22
	eL	22 02
COL	eL	22 29 26
GC	eP	22 14 11
	eL	18 07
HONO	eL	22 27 30
T_L = 11 sec. $A_{max.}$ = 1mm.		
NK	eL	22 34 55
OV	iP	22 11 33
	i	11 34
	i	11 42
PF	eP	22 11 32
	iP	11 33
RC	eP	22 14 16
	e(S)	16 41
	eL	17 24
SLC	e(P)	22 13 21
	e(S)	15 21
	eL	15 40
SH	eP	22 12 44
	eP	12 50
	eS	14 19
SIT	eP	22 16 23
	eS	21 00
	eL	22 23

Date and Station		Phase (GCT) h m s
July 24, cont.		
TUC	eP	22 12 01
	iS	12 48
	iL	13 08
UK	e(P)	22 13 15
	e	14 21
	eL	14 59
July 24		
BC	iP	22 54 20
	i	54 27
	iS	54 57
OV	iP	22 54 29
	i	54 38
	i	54 48
	i	54 55
	i	55 07
	eS	55 11
	e	55 21
PF	iP	22 54 28
	i	54 33
	i	54 42
	e	55 05
	iS	55 12
RC	eP	23 02 02
SLC	e(S)	22 58 59
	eL	59 07
SH	iP	22 56 31
TUC	e(P)	22 54 54
	eP	54 56
	iS	55 40
	iL	56 03
UK	eL	22 54 27
July 25		
BUT	eL	00 53 20
SLC	e	00 50 51
	eL	51 27
SH	eP	00 48 37

Date and Station		Phase (GCT) h m s
July 25, cont.		
TUC	eP	00 47 46
	eS	48 32
	iL	48 46
UK	eL	00 49 35
July 25		
BC	eP	01 11 37
	epP	13 49
OV	iP	01 11 54
	ipP	13 51
PF	iP	01 11 53
	ipP	13 50
	eS	21 20
SH	eP	01 11 35
	epP	13 33
	ipP	13 36
TUC	iP	01 11 56
	ipP	13 55
	eP'P'	41 06
July 25		
SH	eP	01 46 07
	iS	46 18.0
July 25		
BC	iP	01 57 21
	iS	58 03
OV	iP	01 57 36
	e	57 45
	i	57 51
	i	57 53
	e	58 20
	eS	58 28
PF	iP	01 57 34
	i	57 41
	i	57 49
	e	58 12
	iS	58 17
SH	e(P)	01 59 23

Date and Station		Phase (GCT) h m s
July 25, cont.		
BH	eP	03 22 22
	eS	22 50
July 25		
PF	iP	04 52 31
SH	iP	04 52 18
TUC	iP	04 52 32
July 25		
PF	iP	05 18 39
	i	18 48
	i	18 51
	i	18 54
	i	19 13
	e	19 20
	iS	19 24
July 25		
BC	iP	06 20 28
	iS	21 04
BOZ	eL	06 26 18
BUT	eL	06 26 23
CHI	e	06 32 28
	eL	35 11
GC	e(S)	06 27 39
	eL	28 14
NK	eL	06 35 39
PF	iP	06 20 36
	i	20 42
	i	20 52
RC	eP	06 23 24
	eS	25 24
	eL	26 21
SLC	eS	06 22 45
	eL	23 24
SH	eP	06 21 51

Date and Station		Phase (GCT) h m s
July 25, cont.		
TUC	iP	06 21 05
	iS	21 50
	iL	21 55
UK	eL	06 23 32
July 25		
BC	iP	07 58 10
	i(S)	58 37
	iS	58 46
PF	iP	07 58 17
	i	58 24
	i	58 31
	e	58 57
	iS	59 03
July 25		
BC	e(P)	10 52 30
PF	eP	10 52 28
TUC	iP	10 51 32
	i	51 38
July 25		
SH	iP	14 15 56
July 25		
BC	iP	16 15 32
	eS	16 08
PF	iP	16 15 39
	i	15 46
	i	15 49
	i	15 55
	eS	16 19
	iS	16 25
SLC	eL	16 19 26
SH	eP	16 18 37
July 25		
BH	e(S)	19 20 18
	eL	24 23
BC	iP	19 19 50
	iPcP	20 04
	ipP	21 51
	iS	28 58

Date and Station		Phase (GCT) h m s
July 25, cont.		
BOZ	eS	19 29 45
	e	32 07
	esS	33 22
GC	e(P)	19 22 47
HUAN	iP	19 12 21
	e	14 31
	iS	15 14
MONT	eP	19 10 28
	eS	11 43
	eL	12 12
PHIL	e(P)	19 18 38
	e	18 53
	e	18 56
	epP	20 49
	iS	26 39
	eScS	27 36
	e(sS)	29 57
	eSS	31 28
PF	iP	19 19 48
	epP	21 51
	iS	28 53
	e(sS)	32 11
SLC	e(S)	19 29 32
SH	iP	19 20 26.5
	eScS	29 55
	eS	30 08
TUC	iP	19 19 22
	ipP	21 22
	iS	28 04
	iScS	28 38
July 25		
SH	e	19 38 29
July 26		
SH	eP	00 58 18
TUC	iP	00 58 42
	i	58 50
July 26		
BC	iP	01 24 53
	eS	25 28

Date and Station		Phase (GCT) h m s
July 26, cont.		
PF	iP	01 24 51
	i	25 09
	i	25 16
	eS	25 39
	iS	25 48
SH	eP	01 28 16
July 26		
BC	iP	02 50 21
	iS	50 57
BUT	eL	02 56 09
CHI	eP	02 54 53
	e(PP)	56 13
	eS	59 22
	eL	03 01 50
PHIL	eL	03 04 11
PF	iP	02 50 28
	i	50 37
RC	eP	02 53 16
	eS	57 00
	eL	57 20
SLC	e(S)	02 53 09
	eL	54 25
SH	eP	02 51 46
TUC	eP	02 50 58
	i	51 20
	iS	51 31
	iL	51 47
UK	e(S)	02 53 05
	eL	53 50
July 26		
BC	iP	04 48 58
	eS	49 46
PF	iP	04 49 05
	eS	49 47
July 26		
BC	iP	05 01 48
	eS	02 26

Date and Station		Phase (GCT) h m s
July 26, cont.		
PF	iP	05 01 56
	e	02 05
	eS	02 37
	iS	02 43
July 26		
GC	e(P)	12 05 08
PF	iP	12 06 18
	eS	15 09
RC	eP	12 06 28
	e(S)	15 24
SH	eP	12 05 25
SIT	eP	12 03 28
	ePP	05 16
	eS	09 59
	e(sS)	10 24
	eL	13 20
TUC	iP	12 06 46
	i(pP)	07 08
July 26		
TUC	e(P)	16 17 04
July 26		
TUC	e(P)	17 24 22
July 26		
GC	e(P)	21 41 45
July 26		
SJ	e(P)	22 51 49
	i	52 03
	iL	52 08
July 26		
BC	iP	23 05 03
	iS	05 39
PF	iP	23 05 12
	i	05 20
	i	05 25
	iS	05 55

Date and Station		Phase (GCT) h m s
July 26, cont.		
SH	eP	23 07 00
	i	08 39
	e	18 05
TUC	eP	23 05 42
	iS	06 41
	iL	06 54
July 26		
HUAN	eP	23 09 16
	e(S)	16 32
	e	18 27
	eL	29 42
July 26		
PF	iP	23 11 43
	i	11 51
	eS	12 28
July 26		
PF	iP	23 14 47
	eS	15 22
SH	e	23 17 58
July 27		
SLC	e(P)	04 00 49
	e(S)	02 52
	eL	04 36
July 27		
BC	iP	10 32 32
	eS	33 08
PF	iP	10 32 39
	e	32 47
	e(S)	33 21
July 27		
BC	iP	11 54 37
	eS	55 12
PF	iP	11 54 45
	i	54 54
	i	55 00
	eS	55 29

Date and Station		Phase (GCT) h m s
July 27, cont.		
PF	eP	21 48 16
	eS	48 59
July 28		
BC	eP	00 10 50
SH	eP	00 10 11
TUC	eP	00 11 06
	e	14 52
July 28		
BC	eP	01 51 20
PF	eP	01 51 22
TUC	eP	01 51 35
	e	51 40
July 28		
BER	eL	04 18 24
BC	eP	03 55 39
CHI	ePP	03 58 06
	e(S)	04 02 42
	eL	08 12
GC	eP	03 53 54
	i(PP)	54 01
	eL	04 00 28
HONO	eL	04 09 10
NK	eL	04 08 00
PHIL	e(P)	03 57 31
	ePP	59 21
	e(S)	04 04 31
	eL	07 32
PF	eP	03 55 40
RC	eP	03 55 48
	e	56 21
	eL	04 03 53

Date and Station		Phase (GCT) h m s
July 28, cont.		
SH	eP	03 54 39
SIT	eP	03 51 01
	eS	52 52
	eL	53 07
TUC	iP	03 56 20
	i	56 25
	i	56 38
	e(PPP)	58 31
	eL	04 05 24
July 28		
PF	eP	06 38 39
	eS	39 21
July 28		
BC	iP	18 34 11
	eS	34 49
PF	iP	18 34 18
	eS	35 02
July 28		
BC	e(P)	20 00 08
July 29		
BC	iP	02 49 23
	i	49 24
GC	eP	02 50 20
HUAN	iP	02 41 15
	iS	44 05
	iL	44 50
MONT	e(P)	02 38 29
	i(S)	38 52
	eL	39 05
PF	eP	02 49 22
SH	iP	02 50 02
	i	50 03.5
TUC	eP	02 48 51
	i	48 53
	e	49 56

Date and Station		Phase (GCT) h m s
July 29, cont.		
SH	e(P)	06 43 10
	e	43 56
TUC	eP	06 44 08
	e	49 47
July 29		
SH	iP	10 09 52
July 29		
BH	e(P)	12 52 09
BC	eP	12 57 47
PF	e(P)	12 57 48
TUC	eP	12 57 10
	i	57 16
July 29		
BH	eP'	14 02 54
BER	eP	13 58 12
	iPP	14 03 07
	e	05 00
	iSKS	09 00
	i	09 46
	eSKKS	10 11
	e	12 30
	ePS	12 50
	iPPS	14 10
	iSS	19 12
	e(P'P')	21 36
	eSSS	23 54
	eL	36 30
T_L = 21 sec. $A_{max.}$ = 42mm.		
BC	eP	13 58 06
	e	14 01 41
	e(P')	01 55
	ePP	02 29
BOZ	eP	13 57 21
	ePP	14 01 32
	eSKS	08 00
	eS	09 12
	ePS	10 44
	ePPS	11 36
	eSS	16 22
	eSSS	20 34
	eL	25 44

Date and Station		Phase (GCT) h m s
July 29, cont.		
BUT	eP	13 57 12
	iPP	14 01 28
	ePPP	03 10
	eSKS	07 48
	ePPS	10 18
	e(SS)	15 48
	e(SSS)	20 20
	eL	22 36
CHI	e(P')	14 01 25
	ePP	02 17
	ePPP	04 21
	eSKS	08 21
	e	10 47
	ePS	11 41
	e	16 49
	eSS	17 09
	eL	27 42
COL	eP	13 55 04
	ePP	57 52
	e(PPP)	59 40
	eS	14 04 41
	e(ScS)	05 26
	eSS	09 23
	eL	12 46
COLU	ePP	14 03 12
	eSKS	09 03
	ePS	12 56
	e(SKPP)	27 24
GC	eP	13 57 02
	ePP	14 00 55
	i	01 05
	eSKS	07 33
HONO	ePP	14 01 (01)
	eSKS	07 (08)
	eS	07 (58)
	i	08 (08)
	ePPS	09 (05)
	e	15 (25)
	e(SS)	12 (47)
	eL	20 (15)
T_S = 6 secs. A = 2.5mm.		
T_L = 18 secs. $A_{max.}$ = 3.5mm.		

Date and Station		Phase (GCT) h m s
July 29, cont.		
HUAN	iP'	14 03 35
	i(PKS)	08 03
	i	18 18
	e	18 38
	iSS	28 00
	e(SSS)	33 29
	eL	48 56
NK	eP'	14 01 45
	ePP	03 07
	eSKS	08 39
	ePS	11 53
	e(PKKP)	13 48
	e(SS)	18 37
	eL	28 53
PHIL	eP	13 57 56
	eP'	14 01 53
	iPP	02 36
	iSKS	08 41
	ePS	11 41
	e(PKKP)	13 22
	e(SS)	18 15
	i(SSS)	22 54
	e	26 36
	eL	30 21
PF	eP	13 57 53
	e	14 01 18
	ePP	02 09
	e	02 32
RC	eP	13 57 40
	ePP	14 02 00
	e	03 21
	eSKS	08 16
	eS	09 41
	ePPS	11 49
	eSS	16 14
	eSSS	20 48
	e(P'P')	22 43
	eL	23 46
SLC	ePP	14 02 19
	eSKS	08 40
	e(S)	10 00
	ePPS	11 34
	e	24 06
	eL	35 58

Date and Station		Phase (GCT) h m s
July 29, cont.		
SH	eP	13 57 23
	eSKS	14 08 01
SIT	iP	13 55 59
	iPP	59 16
	iS	14 06 17
	i	08 24
	e(SS)	12 40
	eL	15 56
TUC	eP	13 58 15
	eP'	14 02 06
	ePP	03 06
	i	05 27
	eSKS	08 36
	ePS	11 43
	i(PS)	12 45
	eSS	18 58
	eSSS	23 30
	eL	30 46
UK	ePP	14 01 38
	eSKS	08 09
	ePS	10 52
	e(PPS)	11 18
	eSS	16 35
	eL	26 32
July 29		
MONT	eL	15 07 38
July 29		
PF	iP	16 35 45
	i	35 54
	eS	36 30
July 29		
PF	iP	16 57 47
	eS	58 30
July 29		
SH	e(P)	23 47 55
July 30		
TUC	eP	01 30 50
	e	32 09

Date and Station		Phase (GCT) h m s
July 30, cont.		
SH	eP	02 04 15
July 30		
PF	iP	03 58 58
	eS	59 42
July 30		
SH	eP	04 18 40
July 30		
PF	iP	05 23 04
	i	23 11
	i	23 19
	iS	23 49
July 30		
SH	iP	06 21 19
	eS	21 38
July 30		
SH	iP	07 53 41
July 30		
TUC	eP	10 27 57
	e	28 09
July 31		
BC	eP	02 00 33
	eS	01 15
PF	eP	02 00 35
	e	00 42
	eS	01 20
July 31		
SH	e(P)	05 43 35
July 31		
GC	eP	08 06 51
PF	iP	08 07 18
SH	eP	08 07 26
TUC	iP	08 07 33
July 31		
SH	eP	08 16 37
	iP	16 38
	eS	17 05

Date and Station		Phase (GCT) h m s
July 31, cont.		
TUC	e(P)	08 19 26
UK	e	08 16 51
	eL	17 30
July 31		
BC	iP	10 08 38
	ipP	09 54
PF	iP	10 08 42
	ipP	09 59
SH	eP	10 08 27
	ipP	09 43
TUC	iP	10 08 43
	ipP	09 59
	e	12 04
July 31		
SH	iP	14 08 48
	iS	09 19
July 31		
BH	eP	14 15 14
	eS	17 20
BER	iP	14 20 12
	eS	25 18
	eL	29 06
T_L = 20 sec. $A_{max.}$ = 4mm.		
BOZ	eS	14 29 21
	eL	39 29
BUT	eL	14 41 52
COLU	e(S)	14 24 20
	e	25 13
	eL	26 13
HUAN	iP	14 17 02
	eS	20 17
	iL	21 50
NK	eS	14 26 34
	eL	30 30

Date and Station		Phase (GCT) h m s
July 31, cont.		
PF	e(P)	14 21 26
SLC	e(S)	14 29 12
	eL	35 40
SH	eP	14 22 26
TUC	iP	14 20 48
	i	21 09
	e(PcP)	23 09
July 31		
PF	eP	15 24 05
	e	24 12
	iS	24 43
Aug. 1		
BC	iP	00 30 28
	i	30 34
	eS	31 04
PF	eP	00 30 34
	iP	30 42
	iS	31 21
Aug. 1		
TUC	iP	00 46 31
Aug. 1		
BC	eP	01 01 15
	i	01 57
GC	e(P)	01 02 53
HUAN	eP	00 53 34
	e	54 50
	eS	56 48
	eL	57 34
MONT	e(P)	00 50 53
	e(S)	51 38
	eL	52 12
OV	eP	01 01 16
	iP	02 00
PHIL	eP	01 00 56
	eS	08 59
	e	09 42
	e	13 06
	eL	16 47

Date and Station		Phase (GCT) h m s
Aug. 1, cont.		
PF	iP	01 01 14
	i	01 56
	eS	10 52
	e	11 10
SH	eP	01 01 52
	epP	02 35
TUC	iP	01 00 47
	ipP	01 29
	i	01 46
	e	04 31
Aug. 1		
TUC	eP	02 40 25
Aug. 1		
SH	eP	03 10 20
TUC	eP	03 10 43
Aug. 1		
BC	eP	04 36 19
GC	eP	04 36 35
OV	eP	04 36 25
PF	eP	04 36 25
SH	e(P)	04 36 04
TUC	eP	04 36 30
	i	36 36
	e	37 06
UK	eL	05 02 02
Aug. 1		
BC	e(P)	13 41 15
	e	42 15
	e(S)	43 27
CHI	eL	13 52 00
LOG	eL	13 46 40
PF	e(P)	13 40 50
	e	41 12
	eL	43 23

Date and Station		Phase (GCT) h m s
Aug. 1, cont.		
TUC	eP	13 40 18
	i	40 32
	iS	41 29
	iL	41 46
Aug. 1		
PF	iP	14 06 44
SH	e(P)	14 05 36
TUC	eP	14 07 22
	e	07 44
Aug. 1		
BER	eL	14 57 19
BC	iP	14 27 17
	e	29 07
	e	29 32
BOZ	eP	14 29 28
	eS	33 02
	eL	34 50
BUT	eL	14 37 01
CHI	e(S)	14 35 08
	eL	38 00
GC	e(P)	14 30 07
LOG	eL	14 32 42
NK	e(P)	14 30 55
	e	36 13
	eL	39 28
PHIL	eL	14 41 55
PF	iP	14 27 17
	e	28 56
	e	29 20
SH	e(P)	14 28 54
TUC	eP	14 26 36
	eS	27 22
	eL	27 30

Date and Station		Phase (GCT) h m s
Aug. 1, cont.		
UK	eL	14 32 23
Aug. 1		
BC	e(P)	15 43 03
	iP	43 06
	iS	43 32
PF	iP	15 43 13
	e	43 17
	i	43 21
	iS	43 44
Aug. 1		
BC	e(P')	16 45 43
	i	46 20
GC	eP'	16 45 24
SH	eP'	16 45 33
TUC	iP'	16 45 48
	iP'	46 37
	iPP	50 23
Aug. 2		
PF	iP	01 28 53
	iS	29 25
Aug. 2		
PF	eP	03 28 27
	i	29 13
Aug. 2		
PF	i(P)	21 25 00
	e	25 47
	i	26 22
Aug. 3		
TUC	iP	14 49 14
Aug. 3		
BH	e	17 43 50
Aug. 3		
TUC	iP	19 23 31
Aug. 5		
BC	iP	07 56 03
GC	eP	07 54 17

Date and Station		Phase (GCT) h m s
Aug. 5, cont.		
PHIL	e	08 09 44
	e	10 15
	eL	12 22
PF	eP	07 56 06
SH	eP	07 54 42
	e	55 02
SIT	eP	07 51 10
	e	51 36
	eS	53 13
	e	53 28
	eL	54 23
TUC	eP	07 56 25
	ipP	56 45
Aug. 5		
BER	eP	14 38 25
	ePP	42 36
	eSKS	48 56
	eS	49 52
	ePS	51 36
	ePPS	52 34
	eSS	56 55
	eSSS	15 01 22
	e	02 10
	eL	07 10

T_L = 19 sec. $A_{max.}$ = 3.5mm.

BC	iP'	14 43 02
	ePP	44 27
	e	46 56
BOZ	e(P')	14 42 13
	ePP	43 17
	e	47 30
	eSKS	49 25
	eS	51 15
	e(PS)	52 43
	ePPS	54 05
	eSS	58 37
	e	58 55
	eSSS	15 02 38
	eP'P'	03 07
	e	07 35
	eL	08 53

Date and Station		Phase (GCT) h m s
Aug. 5, cont.		
BUT	e(P')	14 41 49
	ePP	43 13
	e(PPP)	45 31
	eSKS	49 15
	eS	50 10
	ePS	52 29
	ePPS	53 43
	eSS	58 10
	eSSS	15 02 29
	eSKPP	07 21
	eL	08 37
CHI	ePP	14 43 00
	eSKS	49 10
	ePS	52 14
	ePPS	53 34
	eSS	57 30
	eL	15 08 25
COL	eP	14 36 49
	ePP	40 23
	eS	47 19
	eScS	47 41
	ePPS	48 39
	eSS	53 26
	eSSS	56 09
	eL	58 30
COLU	e(P)	14 39 14
	eP'	43 28
	eSKS	49 28
	ePS	52 44
	eSS	59 16
	eP'P'	15 03 00
	eL	09 48
GC	e(P')	14 42 09
	ePP	43 00
	e	43 49
	eSKS	49 11
HONO	e(P')	14 43 24
	e	44 09
	ePP	44 28
	e(SKS)	50 04
	eS	51 24
	ePS	54 08
	ePPS	55 50
	eSS	15 00 48
	eSSS	05 22

Date and Station		Phase (GCT) h m s
Aug. 5, cont.		
HONO	eL	15 12 29
T_L = 20 sec. $A_{max.}$ = 1.5mm.		
HUAN	iP'	14 43 41
	e	44 18
	iPKS	47 12
	eSKS	50 26
	iSS	15 04 54
	i	05 01
	eL	22 26
LOG	eP'	14 43 39
	eSKS	49 25
	i	49 54
	e	50 21
	ePS	53 20
	ePPS	54 29
MONT	e(P')	14 41 01
NK	ePP	14 43 23
	ePPP	45 33
	eSKS	49 04
	ePS	52 04
	e(SS)	57 53
	eSSS	15 01 54
	eL	07 11
PHIL	eP	14 38 16
	e	41 27
	ePP	42 30
	e	44 38
	iSKS	48 55
	iPS	51 42
	eSS	57 32
	eSSS	15 01 35
	eL	06 20
PF	eP'	14 43 02
	e(PP)	44 27
	e	46 56
RC	eP'	14 42 28
	ePP	43 23
	eSKS	49 31
	e	49 51
	e(S)	50 39
	ePS	52 55

Date and Station		Phase (GCT) h m s
Aug. 5, cont.		
RC	e	14 53 11
	ePPS	53 55
	e	55 26
	eSS	58 34
	eL	15 08 35
SH	eP'	14 42 51
	ePP	43 57
SIT	eP	14 37 42
	ePP	41 34
	ePPP	43 42
	e	45 41
	eSKS	48 14
	e	48 52
	eS	49 16
	ePS	50 32
	ePPS	51 19
	eSS	55 28
	eSSS	59 40
	eL	15 03 30
TUC	iP'	14 43 09
	ePP	44 24
	e	44 43
	i	47 24
	eSKS	50 04
	eSKKS	51 23
	ePKKP	53 03
	ePS	54 44
	ePPS	56 06
	eSS	15 00 57
	e(SSS)	06 33
	eL	14 20
UK	ePP	14 44 04
	eSKS	49 52
	eSKKS	51 03
	ePS	53 46
	ePPS	55 12
	eSS	15 00 04
	ePSPS	00 52
	eSSS	04 52
	eSKKP	07 44
	eL	11 50
Aug. 5		
SH	eP	16 51 57

Date and Station		Phase (GCT) h m s
Aug. 6		
SH	e(P)	01 34 04
Aug. 6		
BER	eP	05 54 05
	epP	55 48
	e(sP)	57 25
	eScP	58 22
	iS	59 37
	esS	06 02 25
	eL	03 30
T_S = 7 sec. A = 2 mm.		
T_L = 10 sec. $A_{max.}$ = .75mm.		
BC	iP	05 56 18
	ipP	58 15
	iS	06 03 50
	i(pS)	05 05
	esS	07 13
	eP'P'	25 09
BOZ	eP	05 56 47
	eS	06 04 43
	eScS	05 29
	e	06 45
	eSS	08 53
	eL	09 19
BUT	eP	05 56 52
	ePcP	57 24
	e	57 52
	eS	06 04 53
	eScS	05 31
	e	06 07
	eL	10 18
CHI	eP	05 55 18
	esPP	06 00 19
	eS	01 54
	eScS	03 46
	eL	09 18
COL	esS	06 08 46
	eSS	08 20
COLU	eP	05 54 16
	ePPP	58 40
	eS	06 00 00
	esS	03 04
	eL	05 40

Date and Station		Phase (GCT) h m s
Aug. 6, cont.		
GC	eP	05 57 19
	ePcP	57 55
	epP	59 22
	iS	06 05 48
	e	07 19
	eP'P'	25 07
HUAN	iP	05 48 32
	iS	49 42
	iL	49 54
MONT	eS	05 51 53
	eL	52 59
NK	eP	05 55 06
	e	55 31
	iS	06 01 33
	iScS	03 50
OV	iP	05 56 17
	ipP	58 13
	i	59 48
	iPP	59 56
	eS	06 03 48
	eP'P'	25 06
	i	25 30
PHIL	iP	05 54 54
	ePcP	56 07
	epP	56 41
	e(PP)	57 48
	eS	06 01 03
	iS	01 10
	eScS	03 38
	eL	07 12
PF	iP	05 56 15
	i	57 42
	ipP	58 13
	iS	06 03 44
	i	03 56
	i	05 03
	esS	07 17
	eP'P'	25 32
RC	iP	05 56 19
	i	56 28
	epP	58 12
	eS	06 03 44
	i	03 59

Date and Station		Phase (GCT) h m s
Aug. 6, cont.		
RC	e(SS)	06 07 39
	eL	08 17
SJ	eP	05 52 05
	iP	52 10
	i	52 45
	i(sP)	54 48
	iS	56 03
	iScP	57 08
	iL	59 01
SH	iP	05 57 03.5
	i	57 22.5
	i	57 31
	iS	06 05 16
SIT	eP	05 58 32
	e	59 08
	eS	06 07 52
	i	08 04
	esP	09 10
	esS	11 54
TUC	iP	05 55 44
	i	56 06
	iPcP	56 34
	ipP	57 40
	iScP	59 35
	eS	06 02 45
	i	03 15
	esS	06 18
	eL	10 20
	eP'P'	25 03
UK	e(P)	05 56 53
	epP	59 07
	eS	06 05 17
	eScS	05 56
	e(sS)	08 00
	e	08 59
	e(sSS)	12 48
Aug. 6		
BC	iP	06 34 53
	epP	35 26
MONT	eP	06 23 29
	iS	24 02
	iL	24 14

Date and Station		Phase (GCT) h m s
Aug. 6, cont.		
OV	iP	06 34 51
	ipP	35 27
SH	iP	06 35 32
TUC	iP	06 34 21
	ipP	34 54
Aug. 6		
BC	i(P)	09 53 47
	i	54 19
GC	e(P)	09 52 39
PF	eP	09 53 50
	i	54 22
SH	iP	09 52 43.5
TUC	eP	09 54 28
	ipP	55 02
	e	59 34
Aug. 6		
PF	iP	13 30 19
	iS	31 05
Aug. 6		
BER	e(S)	20 12 41
BC	e(P)	20 13 37
CHI	eL	20 18 05
PHIL	e	20 10 53
	e	11 42
	eS	14 33
	iS	14 51
	eL	16 02
RC	eL	20 23 23
TUC	eP	20 13 02
Aug. 6		
BER	eL	20 39 52

$T_L = 15$ sec. $A_{max.} = .75$ mm.

Date and Station		Phase (GCT) h m s
Aug. 6, cont.		
SJ	e(P)	20 34 46
	e	34 52
	i	35 24
	iS	36 13
	iL	36 25
SH	eP	20 42 46
TUC	eP	20 41 21
Aug. 7		
BC	e(P)	00 11 37
Aug. 7		
BH	eP	00 43 08
	eS	45 12
	eL	47 47
BER	eP	00 44 09
	i	44 23
	iS	46 15
	iL	46 27

$T_P = 1$ sec. $A = 2$mm.
$T_S = 4$ sec. $A = .75$mm.
$T_L = 9$ sec. $A_{max.} = 32$mm.

BC	eP	00 47 40
	e	01 01 18
BOZ	iP	00 47 55
	ePP	49 44
	iS	53 45
	eL	57 09
BUT	eP	00 47 55
	ePP	49 36
	e	51 17
	eS	54 04
	e	55 35
	e	57 08
	eL	58 42
CHI	iP	00 45 33
	e	47 37
	iS	49 53
COL	eP	00 51 12
	ePP	54 19
	ePPP	55 26

Date and Station		Phase (GCT) h m s
Aug. 7, cont.		
COL	eS	00 59 48
	e(ScS)	01 01 38
	eSS	04 09
	eL	06 59
COLU	eP	00 43 48
	eS	46 24
	iL	46 59
GC	eP	00 48 35
	e	52 24
HONO	eP	00 52 18
	e(PP)	55 37
	eS	01 02 06
	eSS	07 14
	eL	11 26

$T_L = 17$ sec. $A_{max.} = 1.25$mm.

HUAN	iP	00 46 47
	iPP	47 42
	iS	50 36
	iSS	52 00
	eL	52 54
PHIL	eP	00 44 53
	iP	44 54
	iS	48 44
	iL	49 35
PF	eP	00 47 33
	e(S)	53 28
RC	iP	00 47 05
	i(PcP)	49 08
	i	50 50
	iS	52 26
	eL	54 38
SJ	eP	00 42 28
	iS	44 07
	iL	44 34
SH	eP	00 48 34
SIT	eP	00 50 14
	e	53 29
	eS	58 04
	eL	01 01 53

Date and Station		Phase (GCT) h m s
Aug. 7, cont.		
TUC	iP	00 47 06
	i	47 19
	i	49 34
	eS	52 12
	eL	54 13
UK	eP	00 48 45
	ePP	50 36
	eS	55 26
	e	55 42
	eL	58 38
Aug. 7		
TUC	e(P)	06 27 02
	e	27 23
Aug. 7		
CHI	eL	08 34 49
Aug. 7		
BC	iP	08 51 42
	i	51 50
	e	51 57
	iS	52 15
PF	iP	08 51 50
	i	52 03
	iS	52 35
Aug. 7		
SH	eP	17 08 58
Aug. 7		
BH	eP	22 19 51
	eS	21 54
BER	eS	22 24 05
	eL	26 27
T_L = 13 sec. $A_{max.}$=1mm.		
BC	eP	22 24 22
BUT	eL	22 39 31
CHI	eS	22 26 24
	eL	27 20
COLU	eS	22 23 25

Date and Station		Phase (GCT) h m s
Aug. 7, cont.		
GC	eP	22 25 18
PHIL	iP	22 21 40
	i	21 45
	eS	25 19
	i	25 35
	eL	28 10
PF	eP	22 24 19
RC	e(P)	22 24 27
	eL	33 44
SJ	e(P)	22 19 20
	iS	20 51
	eL	21 08
SIT	eL	22 46 24
TUC	eP	22 23 47
Aug. 8		
BER	eL	06 46 22
BC	iP	06 48 22
	i	48 24
	i	48 30
	iS	49 01
CHI	e	06 49 00
	eL	50 20
COLU	eL	06 46 16
PHIL	e	06 43 57
	eL	47 45
PF	iP	06 48 31
	i	48 34
	iS	49 14
RC	eL	06 56 47
TUC	e(P)	06 46 07
Aug. 8		
BH	eP	19 19 00
	iS	19 27

Date and Station		Phase (GCT) h m s
Aug. 9		
TUC	iP	00 59 07
Aug. 9		
BER	eP	02 58 50
	e	03 03 37
	eS	05 30
	e	07 43
	eL	09 37
T_L = 16 sec. $A_{max.}$ = 1.5mm.		
CHI	e(PP)	03 01 08
	eS	08 03
	eL	15 20
COL	eL	03 34 16
HUAN	iP	02 57 04
	iS	03 04 04
	i(SS)	07 43
	eL	12 40
PHIL	eP	02 58 11
	ePP	03 00 05
	eS	06 09
	eSS	10 26
	eL	14 10
SH	eP	03 01 38
TUC	eP	03 00 48
Aug. 9		
CHI	e	04 05 04
	eL	06 59
PHIL	eP	04 00 02
	eS	03 45
	eL	05 50
TUC	e(P)	04 02 07
Aug. 9		
BER	eL	08 14 25
Aug. 9		
SH	iP	11 22 22.5
	e	22 54

Date and Station		Phase (GCT) h m s
Aug. 9, cont.		
TUC	iP	11 22 36
	e	28 22
Aug. 9		
SH	eP	21 10 40
TUC	e(P)	21 11 59
Aug. 10		
CHI	eP	02 47 21
	e	47 28
	eS	47 43
	iS	47 50
	iL	47 57
NK	i(P)	02 48 54
	i(S)	49 01
	eL	49 21
PHIL	e(P)	02 49 34
	e	50 04
	eL	50 34
TUC	e(P)	02 51 45
Aug. 10		
GC	e(P)	02 59 40
PF	e(P)	02 58 05
	e	58 50
TUC	e(P)	02 57 45
	e	58 27
	e	58 40
Aug. 10		
TUC	eP	13 12 45
Aug. 10		
HUAN	e(P)	19 56 06
Aug. 10		
OV	eP	22 00 49
PF	i(P)	21 59 50
	eP	59 53
	i	22 00 11
	iS	01 26

Date and Station		Phase (GCT) h m s
Aug. 10, cont.		
SH	eP	21 59 23
	iP	59 42.5
TUC	eP	22 00 48
	e	00 54
	eS	01 23
	eL	03 37
UK	eP	21 59 31
	eS	22 01 32
	eL	01 44
Aug. 11		
SH	eP	20 06 36
TUC	iP	20 06 51
Aug. 11		
SH	iP	20 48 18
Aug. 12		
LOG	i(P)	00 05 20
	i(S)	05 40
	i	05 53
SH	eP	00 07 30
TUC	e(P)	00 08 10
	e	10 37
Aug. 12		
TUC	eP	01 26 30
	e	26 52
Aug. 12		
PF	iP	02 07 09
	i	07 52
	eS	07 55
Aug. 12		
BC	iP	05 51 43
OV	iP	05 51 44
PF	iP	05 51 52
SH	eP	05 50 47

Date and Station		Phase (GCT) h m s
Aug. 12, cont.		
TUC	iP	05 52 18
Aug. 12		
TUC	eP	15 07 15
Aug. 12		
SH	eP	16 33 27
Aug. 12		
TUC	eP	16 55 22
Aug. 12		
SH	iP	21 56 35.5
TUC	iP	21 55 27
Aug. 13		
SH	iP	14 41 04.5
TUC	eP	14 42 08
Aug. 13		
BC	iP	16 39 38
GC	e(P)	16 39 06
PF	iP	16 39 42
SH	iP	16 39 01.5
	i	45 17
TUC	eP	16 39 58
Aug. 13		
TUC	iP	20 10 24
	i	10 50
	i	12 12
Aug. 14		
TUC	iP	01 57 11
	i	57 16
Aug. 14		
BC	eP	09 56 36
PF	eP	09 56 37
SH	iP	09 55 31
TUC	iP	09 57 11
	i	57 16
	i	57 31

Date and Station		Phase (GCT) h m s
Aug. 14, cont.		
TUC	iP	11 02 16
Aug. 14		
BC	eP	19 12 07
SH	iP	19 11 09.5
TUC	eP	19 12 29
Aug. 14		
BC	iP	21 18 58
	ipP	19 23
PF	iP	21 19 01
	ipP	19 26
SH	eP	21 18 06
	epP	18 33
	e	18 56
TUC	iP	21 19 29
Aug. 15		
BOZ	eL	05 01 05
BUT	eL	05 03 20
PHIL	e	04 33 37
	eL	50 30
SH	eP	04 24 33
TUC	e(P)	04 29 10
Aug. 15		
BC	iP	09 27 08
GC	eP	09 26 22
PHIL	e(S)	09 40 21
	eSS	47 29
	eL	10 04 37
PF	iP	09 27 08
	i	27 11
	i(S)	37 07
SH	iP	09 26 24.5
	e(S)	36 03

Date and Station		Phase (GCT) h m s
Aug. 15, cont.		
TUC	iP	09 27 31
	ipP	27 46
UK	eL	09 48 12
Aug. 16		
TUC	eP	04 40 44
Aug. 16		
GC	e(P)	07 07 28
PF	iP	07 07 10
SH	iP	07 06 53.5
TUC	iP	07 07 12
	ipP	07 48
	i	08 05
Aug. 16		
BC	iP	18 51 07
	eS	59 53
	e	19 00 19
BOZ	eL	19 03 27
BUT	e(P)	18 53 33
	e	59 12
	eL	19 03 36
GC	e(P)	18 52 43
	e	54 16
PHIL	eL	19 01 49
PF	iP	18 51 03
	eS	59 24
	e	59 43
SH	e(P)	18 52 12
TUC	iP	18 50 19
	i	50 46
	e	54 27
	e	56 59
Aug. 16		
SH	e	19 32 24

Date and Station		Phase (GCT) h m s
Aug. 16, cont.		
TUC	eP	19 28 16
	e	33 46
	e	34 51
Aug. 16		
TUC	e(P)	23 20 36
Aug. 17		
SH	e(P)	01 29 38
	e	29 50
TUC	eP	01 27 37
	i	27 58
	e	32 25
Aug. 17		
GC	eP	09 17 42
PHIL	eL	10 04 29
SH	iP	09 17 53.5
Aug. 18		
BER	e(S)	06 25 45
	e	31 14
	eL	33 10
BC	eP	06 16 36
BOZ	eS	06 25 04
BUT	eP	06 17 44
	eS	25 20
	eL	30 54
CHI	eS	06 24 37
	eL	32 08
GC	eP	06 18 17
HONO	eS	06 26 45
	eL	33 20
HUAN	eP	06 15 10
	e	18 42
	e	20 24
	eL	22 30

Date and Station		Phase (GCT) h m s
Aug. 18, cont.		
PHIL	e(P)	06 18 11
	e	19 50
	eS	25 29
	e	29 16
	eL	31 20
PF	eP	06 16 35
SH	eP	06 17 25
	e	20 20
SIT	eL	06 39 58
TUC	eP	06 16 01
	e(S)	21 46
	eL	24 28
UK	e(S)	06 24 13
	eL	28 06
Aug. 18		
BH	eP	17 55 01
	eS	55 26
Aug. 18		
HONO	eP	19 52 08
	eS	53 06
	eL	53 16
TL = 9 sec. $A_{max.}$ = 2.5mm		
Aug. 19		
SH	e(P)	02 05 24
TUC	eP	02 06 53
Aug. 19		
BC	iP	10 19 36
PF	iP	10 19 39
SH	iP	10 18 55.5
	e	20 45
	e	23 15
TUC	eP	10 19 59
	e	23 30
Aug. 19		
TUC	eP	18 48 56

Date and Station		Phase (GCT) h m s
Aug. 19, cont.		
SH	e(P)	22 23 45
Aug. 20		
TUC	e(P)	02 31 16
Aug. 20		
SH	e(P)	08 11 39
	i	11 42
Aug. 20		
BC	eP	16 52 43
PF	i(P)	16 52 49
Aug. 21		
PF	iP	09 47 18
	iS	47 57
Aug. 21		
TUC	e(P)	12 02 02
Aug. 22		
BER	e	02 53 37
	e	55 32
	e	03 03 17
	e	09 36
	e	10 00
	eL	25 15
BC	eP	02 44 11
BUT	e(S)	02 55 31
	e	03 01 17
	eL	10 08
CHI	eL	03 24 07
COL	eP	02 43 46
	eS	53 59
	e	54 15
	eSS	59 22
	eL	03 05 43
GC	eP	02 44 16
	epP	44 30
HONO	e	02 46 50
	e	49 45
	eL	54 20

Date and Station		Phase (GCT) h m s
Aug. 22, cont.		
OV	iP	02 44 15
PHIL	e(P')	02 52 24
	e(SKS)	59 23
	e	03 02 14
	e	07 47
	e	10 59
	eL	20 11
PF	iP	02 44 15
SLC	ePPP	02 50 22
	eS	56 19
	eL	03 09 10
SH	eP	02 43 51
	e	44 59
	e	47 08.5
	e	54 15
SIT	eP	02 43 50
	eS	54 00
	e	54 46
	e	55 14
	eL	03 06 12
TUC	eP	02 44 24
	epP	44 41
	i	45 10
Aug. 22		
PF	iP	10 08 24
	eS	08 56
Aug. 22		
PF	eP	22 55 07
	iP	55 11
	iS	55 45
Aug. 23		
COL	e(S)	05 18 12
	eL	19 03
Aug. 23		
TUC	iP	21 36 24
	e	36 53
Aug. 24		
SH	e(P)	04 23 33

Date and Station		Phase (GCT) h m s
Aug. 24, cont.		
SH	eP	08 04 55
TUC	eP	08 05 07
Aug. 24		
BER	eL	09 25 30
BC	iP	09 28 53
GC	eP	09 29 31
OV	iP	09 28 56
PHIL	e(P)	09 25 29
	e	28 50
	eL	29 34
PF	iP	09 29 49
SJ	iP	09 20 48
	e	20 54
	iS	21 08
SH	eP	09 29 39
	i	30 46
TUC	iP	09 28 23
	ipP	28 34
	i	28 38
Aug. 24		
HUAN	iP	10 06 07
	i	06 52
TUC	iP	10 15 05
Aug. 24		
COL	eS	11 56 57
	eScS	58 00
	eL	12 10 26
GC	e(P)	11 50 03
PHIL	e	12 01 09
	e	06 39
	eL	17 46
SH	eP	11 50 31
	e	54 28

Date and Station		Phase (GCT) h m s
Aug. 24, cont.		
SIT	e(P)	11 48 52
	eS	58 48
	e	59 12
	e	12 17 40
TUC	e(P)	11 55 39
Aug. 24		
TUC	iP	12 12 52
Aug. 24		
GC	e(P)	20 24 26
Aug. 24		
PF	iP	21 37 22
Aug. 25		
BUT	eS	05 45 45
	e	46 06
	e	46 32
	eL	49 12
GC	eP	05 38 58
	e(S)	43 21
	e	43 44
PHIL	eL	05 57 07
RC	eL	05 48 44
SH	eP	05 39 56
SIT	eP	05 35 54
	eS	36 34
TUC	eP	05 41 41
Aug. 26		
BC	eP'	05 02 21
PF	eP'	05 02 19
	e	07 31
SH	eP'	05 03 47
TUC	eP'	05 02 19
Aug. 26		
SH	eP	22 25 05
	i	25 22.5

Date and Station		Phase (GCT) h m s
Aug. 27		
BH	e(P)	01 12 43
	eS	14 04
Aug. 27		
TUC	i(P)	13 29 23
	i	29 35
Aug. 27		
BER	ePP	13 59 13
	ePKS	14 00 37
	ePS	10 37
	e(P'P')	14 48
	eSS	16 22
	eSSS	21 06
	eL	30 45

$T_{SKS} = 7$ sec. $A = .75$mm.
$T_L = 23$ sec. $A_{max.} = 1.5$mm.

BC	iP	13 51 13
	i	51 30
	eSKS	14 01 52
BUT	eP	13 51 52
	ePP	56 18
	eSKS	14 02 39
	eS	04 03
	ePS	05 18
	ePPS	06 26
	eSS	11 06
	eSSS	15 26
	eL	20 53
CHI	eP'	13 55 47
	ePP	57 43
	ePS	14 07 39
	eL	26 11
COL	eP'	13 56 14
	eSKS	14 02 39
	e	03 28
	eS	04 19
	ePS	05 56
	ePPS	06 40
	eSS	11 40
	eSSS	15 31
	eL	21 58
COLU	eP	13 52 12
	ePS	14 07 44
	eL	28 40

Date and Station		Phase (GCT)
		h m s
Aug. 27, cont.		
GC	e	13 55 03
	ePF	55 58
	ePKKP	14 08 02
HONO	eP	13 48 30
	ePP	50 44
	eS	56 58
	eSS	14 01 43
	eL	04 29
T_S = 5 sec. A = 2mm.		
T_L = 16 sec. $A_{max.}$ = 5mm.		
HUAN	iP	13 51 04
	ePP	54 49
	iSKS	14 01 36
	i	01 43
	iPS	03 19
	eSSS	11 59
	eL	21 24
NK	ePP	13 58 27
	ePKS	14 00 19
	eSKS	03 45
	ePS	08 32
	eSSS	19 11
	eL	33 03
OV	iP	13 51 17
PHIL	eP'	13 57 19
	ePP	58 37
	e(SKS)	14 04 24
	eSKKS	05 10
	ePS	08 27
	eSS	15 19
	e	15 48
	eL	28 13
PF	iP	13 51 16
	eS	14 01 53
	e	02 16
RC	eP'	13 56 28
	e	56 44
	ePP	57 07
	eSKS	14 03 14
	e	04 02
	ePS	06 06
	ePPS	07 32

Date and Station		Phase (GCT)
		h m s
Aug. 27, cont.		
RC	eSS	14 12 04
	eL	23 40
SLC	eP	13 51 56
	ePP	55 56
	eSKS	14 02 15
	eS	03 22
	ePS	04 32
	ePPS	05 40
	eSS	09 48
	eSSS	14 32
	eL	19 46
SH	eP	13 51 09
SIT	e(SKS)	14 01 50
	ePS	05 20
	e(SS)	10 09
	eSSS	14 30
	eL	19 14
TUC	iP	13 51 11
	i	51 39
	ePP	55 15
	eSKS	14 01 50
	eS	02 33
	ePS	04 18
	ePKKP	08 04
	eSS	09 00
	eL	18 12
	e	27 21
UK	eSKS	14 01 43
	ePS	03 06
	e	05 36
	eL	17 17
Aug. 27		
BH	eP	17 56 00
	iS	56 24
Aug. 28		
HUAN	eP	02 36 28
	eS	40 26
SH	eP	02 44 23
TUC	eP	02 43 26

Date and Station		Phase (GCT)
		h m s
Aug. 28, cont.		
BER	eP	07 03 27
	epP	03 41
	ePP	07 05
	eSKS	13 37
	eS	14 23
	ipS	14 50
	ePS	15 27
	epPS	15 47
	eSS	20 20
	e(SSS)	26 37
	eL	30 35
T_S = 4 sec. A = 1.5mm.		
T_L = 20 sec. $A_{max.}$ = 1mm.		
BC	iP	07 00 51
	ipP	01 05
	eS	09 24
	esS	09 48
	eP'P'	29 31
BUT	e(P)	07 00 07
	epP	00 46
	ePcP	01 32
	eS	08 20
	eScS	09 57
	eSS	12 20
	eL	13 55
CHI	eP	07 01 48
	ePPP	06 28
	eS	11 16
	esS	11 40
	ePS	12 03
	eL	29 25
COL	eP	06 56 50
	epP	57 10
	e(sP)	57 42
	eS	07 02 04
	esS	02 34
	eL	04 40
COLU	eP	07 02 42
	ePP	05 53
	eS	12 57
	e	13 27
	e(PPS)	13 53
	eSS	17 59
	e(SSS)	23 06
	eL	30 02

Date and Station		Phase (GCT)
		h m s
Aug. 28, cont.		
GC	eP	06 59 40
	epP	59 54
HONO	eP	06 58 54
	ePP	07 00 52
	eS	05 25
	eL	09 07
T_L = 14 sec. $A_{max.}$ = 1.5mm.		
HUAN	ePP	07 11 18
	e	11 54
	eSKS	16 56
	eSKKS	17 58
	ePPPS	23 02
	eL	49 09
NK	eP	07 02 21
	e	06 36
	iS	12 10
	eSS	17 17
	e(SSS)	20 24
	eL	25 11
OV	iP	07 00 51
	i	01 05
	iS	09 24
	eP'P'	29 45
PHIL	iP	07 02 31
	e(pP)	02 49
	ePP	05 33
	eS	12 27
	iS	12 34
	esS	13 02
	ePPS	13 29
	eSS	17 38
	eSSS	21 15
	eL	27 05
PF	iP	07 00 54
	i	01 09
	iS	09 30
	isS	09 54
	iP'P'	29 46
RC	iP	07 00 58
	ipP	01 28
	isP	01 47

Date and Station		Phase (GCT)
		h m s
Aug. 28, cont.		
RC	iS	07 09 35
	isS	09 58
	i(ScS)	11 14
	eSS	13 40
	e	15 12
	eL	17 14
SLC	eP	07 00 41
	e(PP)	03 31
	iS	09 03
	isS	09 31
	eScS	10 29
	eL	16 22
SH	iP	06 59 58.5
	i	07 00 13
	ePP	02 17
	ePPP	03 40
	eS	07 47
SIT	eP	06 57 56
	iPP	59 50
	iS	07 04 13
	eL	07 16
TUC	iP	07 01 22
	ipP	01 33
	ePP	04 10
	eS	10 26
	esS	10 41
	eScP	11 21
	eL	18 29
	iP'P'	29 35
UK	eP	07 00 18
	e(pP)	00 32
	eS	07 59
	e(sS)	08 01
	eSS	11 44
	eL	12 27
Aug. 28		
BER	e(P)	14 42 17
	ePPP	47 06
	eS	52 37
	i(PS)	53 12
	e(SS)	58 17
	eL	15 04 50
T_S = 3 sec. A = 1mm.		
T_L = 15 sec. $A_{max.}$ = .5mm.		

Date and Station		Phase (GCT)
		h m s
Aug. 28, cont.		
BC	iP	14 39 37
	iS	47 47
	e	48 21
BUT	eP	14 38 44
	e	39 14
CHI	eP	14 40 36
	eS	49 56
	e(sS)	50 36
	eL	58 04
COL	eP	14 35 26
	ePP	36 06
	eS	40 18
	eL	42 32
COLU	e(S)	14 51 29
	eSS	15 05 29
	eL	11 20
GC	eP	14 38 21
	epP	38 34
	eS	45 28
HONO	eP	14 38 05
	eS	44 23
	eL	49 38
T_L = 12 sec. $A_{max.}$ = 1.25mm.		
NK	eP	14 41 05
	ePP	44 21
	eS	50 08
	isS	50 36
	eSS	55 52
	eSSS	59 30
	eL	15 06 17
OV	iP	14 39 36
	iS	47 49
PHIL	iP	14 41 20
	ePP	44 11
	eS	50 57
	esS	51 09
	epS	51 19
	eSS	56 04
	eSSS	59 56
	eL	15 04 56

Date and Station		Phase (GCT) h m s
Aug. 28, cont.		
PF	iP	14 39 39
	iS	47 53
RC	eP	14 39 39
	i	40 20
	iS	47 52
	eSS	52 06
	eL	54 49
SLC	eP	14 39 25
	eS	47 25
	eScP	49 12
	eL	52 43
SH	iP	14 38 42.5
	eS	46 08
SIT	eP	14 36 36
	i	38 28
	iS	42 17
	eL	44 52
TUC	iP	14 40 10
	ipP	40 20
	eS	48 53
	esS	49 13
	eSS	53 06
	iP'P'	15 08 55
UK	eS	14 46 22
	e	46 23
	eScP	48 16
	eSS	50 34
Aug. 28		
SJ	eP	14 41 35
	eS	42 38
	eL	43 04
SH	iP	14 50 04
TUC	iP	14 49 41
Aug. 28		
BC	iP	15 05 54
	e	08 37
	i	09 07

Date and Station		Phase (GCT) h m s
Aug. 28, cont.		
BER	eP	19 58 40
	eS	20 06 46
	eScP	08 15
	e	10 30
	eL	13 52
T_S = 7 sec. A = .75mm.		
T_L = 18 sec. $A_{max.}$ = .5mm.		
BC	iP	19 59 58
	ipP	20 00 13
GC	eP	20 00 54
	epP	01 10
HUAN	iP	19 52 18
	iS	55 28
	eL	56 06
MONT	eP	19 49 56
	eS	51 25
	eL	52 01
OV	iP	20 00 04
PHIL	eP	19 59 07
	epP	59 30
	ePP	20 01 33
	ePPP	03 49
	eS	08 16
	isS	08 45
	esPS	09 34
	eSS	12 24
	eSSS	15 59
	eL	16 06
PF	iP	19 59 55
RC	eP	20 00 12
	eS	10 10
SH	eP	20 00 35
	eS	10 59
TUC	iP	19 59 27
	ipP	59 48

Date and Station		Phase (GCT) h m s
Aug. 29		
TUC	e(P)	06 05 41
Aug. 29		
BUT	e(P)	16 37 03
	e	44 15
	e	47 00
CHI	eL	16 51 17
COL	eP	16 33 01
	eS	34 10
	eL	34 23
GC	eP	16 36 15
PHIL	eL	16 54 10
PF	iP	16 38 11
SH	eP	16 37 04
	i	37 12
SIT	eP	16 33 10
	iS	34 40
	eL	34 52
TUC	iP	16 38 49
Aug. 29		
PF	iP	18 09 28
Aug. 29		
BC	eP	19 10 26
	iP	10 28
	i	10 32
	i	10 47
	i(S)	11 02
PF	iP	19 10 35
	i	10 36
	i(S)	11 20
Aug. 29		
BC	iP	21 15 48
PF	iP	21 15 51

Date and Station		Phase (GCT)
		h m s
Aug. 29, cont.		
SH	iP	21 15 33.5
Aug. 30		
PF	iP	01 36 08
Aug. 30		
BER	eP	22 32 58
	eS	42 10
	e	42 37
	eSS	47 08
	eL	51 17
T_S= 3 sec. A = 1mm.		
T_L = 20 sec. $A_{max.}$ = .75mm.		
BC	iP	22 35 19
BUT	eP	22 37 17
	eS	45 26
	eScS	46 51
	eL	52 47
CHI	eP	22 33 46
	eS	43 42
	eL	54 34
COL	eP	22 33 45
	eS	43 46
	eL	53 05
GC	eP	22 34 39
	e	35 16
	e	36 58
NK	eP	22 33 30
	e(PP)	36 14
	eS	43 09
	iS	43 15
	eSS	48 03
	eL	57 54
PHIL	eP	22 33 15
	ePP	36 10
	eS	42 44
	iS	42 49
	e	44 39
	eSS	47 14
	eL	52 20

Date and Station		Phase (GCT)
		h m s
Aug. 30, cont.		
PF	iP	22 35 17
RC	eP	22 34 25
	e(S)	44 42
	e(ScS)	45 05
	e	46 04
SLC	e(S)	22 45 23
	e	47 18
	eL	23 04 50
SH	eP	22 35 13
TUC	eP	22 35 23
	iP	35 24
	e	39 38
Aug. 30		
SH	eP	22 51 46
	e	52 16
TUC	e(P)	22 52 07
Aug. 30		
UK	eL	23 08 19
Aug. 31		
SH	eP	01 35 26
TUC	eP	01 36 27
Aug. 31		
BC	eP	02 21 20
	e	22 07
PF	iP	02 21 16
	e	22 11
Aug. 31		
BC	iP	06 28 55
GC	e(P)	06 29 50
HUAN	eP	06 20 52
	e	23 42
MONT	e(P)	06 19 00
	i(S)	19 29
	eL	19 42

Date and Station		Phase (GCT)
		h m s
Aug. 31, cont.		
OV	iP	06 28.9
PF	iP	06 28 53
SH	iP	06 29 34
TUC	iP	06 28 24
	i	28 44
Aug. 31		
PF	eP	12 40 20
	eS	41 00
Aug. 31		
BC	i(P)	14 19 51
	e	20 00
	i	20 07
CHI	eL	14 35 01
PF	iP	14 19 50
	e	21 02
Sept. 1		
PF	iP	01 46 08
	i	46 17
Sept. 1		
SH	eP	06 21 13
Sept. 1		
GC	eP	22 30 55
SH	eP	22 31 28
TUC	iP	22 31 37
Sept. 2		
BER	e	14 52 12
	eSKKS	57 26
	ePPS	15 02 12
	eSKKP	03 18
	eSS	08 10
	eL	20 07
T_L = 17 sec. $A_{max.}$ = .25mm.		

Date and Station		Phase (GCT)
		h m s
Sept. 2, cont.		
BC	iP	14 44 20
	i(pP)	45 22
	eS	54 05
BUT	e(P)	14 45 07
	eS	55 07
	i	55 16
	eL	15 07 27
CHI	eSS	14 56 24
	esSS	57 24
	eL	15 01 44
COL	e(P)	14 44 43
	eS	54 52
	e	57 04
COLU	ePPP	14 52 16
	eS	56 37
	epS	57 52
	esSS	15 05 11
GC	eP	14 44 42
	epP	45 45.5
	eS	54 50
	e(SP)	55 44
HONO	eP	14 40 28
	eS	46 37
	esS	48 13
	eSS	49 55
	eL	50 34
T_L = 14 sec. $A_{max.}$ = 4mm.		
HUAN	eP	14 45 39
	epP	46 46
	iPP	49 38
	iSKS	55 59
	eSKKS	56 06
	eS	56 30
	ePS	58 10
	e	58 34
	ePPS	58 51
	e(SS)	15 02 26
	esSS	03 23
	eL	11 36
PF	iP	14 44 24
	i(pP)	45 25
	eS	54 13
	iScS	54 16

Date and Station		Phase (GCT)
		h m s
Sept. 2, cont.		
SLC	eP	14 44 41
	e(ScS)	54 43
	iS	54 50
	esPS	56 35
	eSS	59 55
	eL	15 07 26
SH	iP	14 44 09
	iPcP	44 25.5
	ipP	45 11.5
	esP	45 43
	epPP	48 18
	e	49 06
	eS	53 43
	e	54 14
SIT	iP	14 44 16
	i(S)	54 38
	isS	55 27
	iPS	56 24
	eSSS	15 03 54
	eL	07 46
TUC	iP	14 44 26
	iPcP	44 35
	ipP	45 21
	isP	45 46
	epPP	48 09
	eS	54 14
	i(sS)	55 04
	esPS	56 23
	eP'P'	15 12 17
UK	eS	14 53 22
	esS	54 02
	esPS	55 10
	eSS	58 15
	eL	15 03 45
Sept. 2		
SH	eP	22 50 00
Sept. 3		
SH	e(P)	09 38 45
Sept. 3		
BC	eP	15 37 33
COL	eP	15 33 45
	ePP	35 12
	eS	39 15

Date and Station		Phase (GCT)
		h m s
Sept. 3, cont.		
COL	esS	15 40 00
	eL	42 01
GC	eP	15 36 25
	epP	36 54
	ePP	38 35
	e(S)	45 05
	e	46 52
PF	iP	15 37 36
	ipP	38 06
SH	eP	15 36 42
TUC	iP	15 38 03
	ipP	38 33
Sept. 3		
BER	ePP	19 18 08
	ePKS	19 07
	ePPS	30 15
	eSS	35 40
	e	36 03
	eL	20 02 18
T_L = 20 sec. $A_{max.}$ = 1mm.		
BC	eP	19 09 27
COL	eS	19 19 01
GC	eP	19 09 24
	eS	20 21
HONO	eS	19 12 37
	e(ScS)	15 42
	eL	17 07
T_L = 16 sec. $A_{max.}$ = 2.5mm.		
HUAN	eL	19 47 30
NK	ePPS	19 27 12
	eSS	32 15
	e(PSPS)	33 18
	eL	57 05
PHIL	ePS	19 26 45
	ePPS	27 46
	eSS	32 31

Date and Station		Phase (GCT) h m s
Sept. 3, cont.		
PHIL	ePSPS	19 33 12
	e(SSS)	38 12
	eL	52 25
PF	eP	19 09 00
RC	e	19 10 17
	eSKS	20 48
	eS	21 47
	eL	45 21
SLC	eSKS	19 20 19
	eSSS	30 53
	eL	36 51
SH	eP	19 09 01
	i	09 21
	e(PP)	12 06
	eS	19 31
SIT	eS	19 19 17
	i	19 25
	e(SS)	36 31
TUC	eP	19 09 38
	i	09 51
	eS	20 50
	ePS	22 01
	eSS	26 48
	e(SSS)	30 40
	eL	34 32
UK	eS	19 19 09
	e	19 32
	eL	34 24
Sept. 3		
SH	eP	21 13 26
Sept. 4		
BER	eS	00 59 12
	eL	01 23 15
BC	iP	00 41 56
GC	eP	00 42 19
	e	43 40
HONO	eS	00 46 09
	eSS	49 04

Date and Station		Phase (GCT) h m s
Sept. 4, cont.		
HONO	eL	00 50 04
T_L = 17 sec. $A_{max.}$ = 2mm.		
HUAN	e	00 54 20
	eSKS	55 04
	eL	01 14 42
PHIL	eS	00 57 57
	e(SS)	01 04 12
	e(SSS)	08 02
	e	14 18
	eL	18 00
PF	iP	00 42 00
SLC	eL	01 06 52
SH	iP	00 41 42.5
	e	42 23
	e	42 39
SIT	eL	01 02 37
TUC	iP	00 42 01
	i	42 15
	i	42 33
	eL	01 02 48
Sept. 4		
SH	eP	05 00 08
TUC	e(P)	05 01 18
Sept. 4		
SH	e(P)	06 38 38
TUC	iP	06 39 03
Sept. 4		
SH	eP	07 39 17
Sept. 4		
BC	eP	08 52 50
PF	eP	08 52 49
	i	52 59
	i	53 45
Sept. 4		
HUAN	eL	14 50 52

Date and Station		Phase (GCT) h m s
Sept. 4, cont.		
SH	e(P)	22 38 14
Sept. 5		
TUC	eP	04 27 53
Sept. 5		
BC	eP	05 48 02
GC	eP	05 49 31
PHIL	eL	05 58 27
PF	iP	05 47 59
SH	eP	05 49 04
	i	51 22
TUC	iP	05 47 17
	ipP	47 31
Sept. 5		
CHI	eL	06 23 24
PHIL	eL	06 27 33
SH	e(P)	06 14 59
TUC	eI	06 12 13
	e	12 17
	iS	14 31
	iL	15 20
Sept. 5		
TUC	eP	20 15 21
	iP	15 27
Sept. 5		
TUC	iP	21 27 18
	i	27 57
Sept. 6		
SH	e(P)	05 25 35
Sept. 6		
SH	eP	21 39 43
	i	40 05
Sept. 7		
GC	e(P)	00 31 21

Date and Station		Phase (GCT)
		h m s
Sept. 7, cont.		
SH	iP	00 31 23
	e	32 36
	e	33 13
	e	33 16
TUC	iP	00 32 30
Sept. 7		
SH	iP	05 53 21.5
	e	55 14
	e	55 25
TUC	iP	05 53 41
Sept. 7		
TUC	iP	06 14 14
Sept. 7		
TUC	eP	10 21 10
Sept. 7		
TUC	e(P)	10 27 12
Sept. 7		
SJ	eP	11 22 03
	eS	22 30
	eL	22 54
TUC	e(P)	11 29 20
	e	29 28
Sept. 7		
SH	eP	22 03 33
TUC	iP	22 01 46
Sept. 8		
PF	e(P)	05 53 51
	e(S)	54 59
SH	eP	05 52 44
	e	53 00
	i	53 47.3
	eS	53 16
	iS	53 19
TUC	eP	05 55 18
	eS	57 34
	eL	58 05

Date and Station		Phase (GCT)
		h m s
Sept. 8, cont.		
SH	eP	06 20 16
	i	20 17.8
	eS	20 50
Sept. 8		
SH	eP	06 30 34
	eS	31 07
Sept. 8		
SH	eP	06 34 51
	eS	35 22
	e	35 23
Sept. 8		
BC	eP	07 14 05
	i	15 13
PF	eP	07 13 59
	i	14 17
	i	15 28
SH	eP	07 13 10
	i	13 12
	i	13 13.4
	eS	13 42
	iS	13 43.2
TUC	eP	07 15 06
	eS	18 04
Sept. 8		
HUAN	iP	13 30 42
	eS	32 43
	eL	32 58
Sept. 8		
SH	e(P)	20 45 51
	e	46 21
Sept. 8		
SH	i(P)	20 55 17.5
Sept. 8		
BH	eP	21 52 13
	iS	52 55
Sept. 8		
SH	i(P)	23 00 03.5

Date and Station		Phase (GCT)
		h m s
Sept. 8, cont.		
TUC	iP	22 58 53
Sept. 8		
SH	e(P)	23 52 04
	e	52 20
Sept. 9		
SH	eP	04 05 12
	e	05 55
Sept. 9		
SH	iP	06 05 39.5
Sept. 9		
SH	e(P)	08 57 11
Sept. 9		
SH	eP	12 05 11
	e	05 36
Sept. 9		
SH	eP	13 20 05
	e	20 29
Sept. 9		
SH	iP	18 29 14
TUC	eP	18 30 41
	e	30 58
Sept. 9		
COL	eL	23 29 47
GC	e(P)	22 42 26
	e	43 10
PF	e(P)	22 42 39
SH	eP	22 41 49
	e	42 18
	ipP	42 40.5
TUC	eP	22 42 12
	ipP	42 44
	i	43 19
Sept. 10		
BER	eL	00 53 47

Date and Station		Phase (GCT) h m s
Sept. 10, cont.		
PHIL	eL	00 49 38
SIT	eL	00 33 10
Sept. 10		
HUAN	eP	11 28 17
	iP	28 22
	eS	28 52
	iS	29 00
	iL	29 17
Sept. 10		
SH	iP	16 31 42.5
TUC	iP	16 32 03
Sept. 11		
PF	iP	00 05 05
	iS	05 37
Sept. 11		
SH	e(P)	02 59 41
TUC	eP	02 58 33
	ipP	58 45
Sept. 11		
SH	e(P)	05 09 27
Sept. 11		
SH	e(P)	09 19 21
Sept. 11		
SH	eP	17 11 41
TUC	iP	17 11 57
Sept. 11		
COL	e(P)	19 46 56
	e	50 44
GC	eP	19 49 23
SH	iP	19 49 41.5
SIT	i(S)	19 51 49
	e(SS)	55 52
	eL	57 03

Date and Station		Phase (GCT) h m s
Sept. 11, cont.		
TUC	iP	19 51 12
	i	51 33
Sept. 12		
BER	e(P)	11 50 30
	eS	56 10
BC	iP	11 50 49
CHI	e	11 54 50
	eL	12 02 17
GC	eP	11 51 46
PHIL	eL	11 55 16
PF	eP	11 50 14
SH	iP	11 51 21
	i	51 29.5
	e	53 34
TUC	eP	11 49 33
	i(pP)	49 51
	e	50 29
	iPcP	51 21
	e(S)	54 21
	eL	56 47
Sept. 12		
TUC	e(P)	11 58 13
	i	58 45
Sept. 13		
BC	eP	04 03 02
	e	03 53
PF	iP	04 03 00
	i	03 12
	i	04 05
Sept. 13		
BC	eP	05 07 14
PF	eP	05 07 16
SH	eP	05 02 58
	i	04 05

Date and Station		Phase (GCT) h m s
Sept. 13, cont.		
BC	eP	08 03 56
Sept. 13		
SH	e(P)	08 38 10
Sept. 14		
HUAN	iP	04 41 39
	iS	42 24
	iL	42 46
Sept. 14		
PF	iP	05 25 15
SH	eP	05 25 07
TUC	iP	05 25 19
Sept. 14		
COL	eP	17 48 09
	eS	49 17
	eL	49 36
GC	e(P)	17 51 47
SH	eP	17 52 32
SIT	e(S)	17 52 24
	eL	55 16
TUC	eP	17 54 17
	i	54 43
Sept. 14		
TUC	iP	19 35 14
Sept. 15		
OV	eP	00 16 17
	e	16 18
	iS	16 49
Sept. 15		
SH	eP	03 39 55
	e	40 10
TUC	e(P)	03 40 38
Sept. 15		
PF	e(P)	06 27 35
	e	28 20

Date and Station		Phase (GCT) h m s
Sept. 15, cont.		
TUC	eP	09 28 03
Sept. 15		
HUAN	eL	10 00 14
Sept. 15		
BC	eP	12 03 37
PF	e(P)	12 03 33
	i	03 44
	iS	05 12
TUC	eP	12 03 01
	i	03 13
	iS	03 31
	iL	03 49
Sept. 15		
BC	e(P)	12 25 53
PF	eP	12 25 30
Sept. 15		
BC	e(P)	12 32 34
PF	e(P)	12 30 47
	e	31 09
	e	33 06
UK	eL	12 45 30
Sept. 15		
BUT	e(P)	12 40 23
	e	42 46
CHI	e(S)	12 44 10
	eL	51 44
LOG	i(P)	12 37 46
	i	38 56
	i	40 24
PHIL	eL	12 48 47
SLC	e(P)	12 36 48
	e	37 58
TUC	iP	12 39 51
	iS	40 46
	iL	41 15

Date and Station		Phase (GCT) h m s
Sept. 15, cont.		
UK	e(P)	12 38 17
	eS	39 50
	eL	40 12
Sept. 15		
BH	iP	14 57 28
	iS	58 09
BER	eL	15 09 10
BC	eP	15 04 24
COLU	eL	15 10 24
GC	eP	15 05 40
HUAN	eP	15 01 15
	e(S)	05 00
	eL	05 22
OV	eP	15 04 24
PHIL	eS	15 08 37
	e(ScS)	10 44
	eL	13 41
SH	eP	15 05 22
TUC	iP	15 03 42
	i	03 46
	iPP	05 39
Sept. 15		
PF	e(P)	16 48 51
	e	49 08
Sept. 15		
PF	eP	19 01 31
	e	01 57
	e(S)	03 06
Sept. 16		
BC	eP	01 52 53
	e	54 25
PF	eP	01 52 58
	e	53 09
Sept. 16		
PF	e(P)	04 49 10

Date and Station		Phase (GCT) h m s
Sept. 16, cont.		
SH	iP	04 48 27.5
Sept. 16		
BC	eP	06 26 23
PF	e(P)	06 25 58
	i	27 24
	i	28 24
Sept. 16		
PF	eP	08 45 40
Sept. 16		
PF	eP	11 29 29
Sept. 16		
PF	eP	13 04 15
Sept. 16		
COLU	eL	21 51 08
TUC	iP	21 33 12
Sept. 16		
SH	eP	21 50 25
TUC	eP	21 50 53
Sept. 16		
TUC	e(P)	21 58 22
Sept. 17		
SH	eP	01 58 03
TUC	eP	01 58 49
Sept. 17		
HUAN	eL	18 10 30
TUC	e(P)	18 00 01
	i	00 05
Sept. 17		
BER	e(S)	19 03 22
	eL	10 04
Sept. 17		
SH	e(P)	21 30 57.5
Sept. 18		
SH	e(P)	06 45 54

Date and Station		Phase (GCT) h m s
Sept. 18, cont.		
SH	e(P)	09 40 41
Sept. 18		
BH	eP	10 00 39
	iS	01 03
Sept. 18		
HUAN	iP	13 24 02
	iS	24 12
	iL	24 21
Sept. 19		
BC	iP	10 35 01
GC	eP	10 35 58
	epP	36 26
	esP	36 38
HUAN	eP	10 26 46
	iP	26 52
	e(S)	27 25
	iL	29 30
MONT	iP	10 24 00
	iS	24 16
	iL	24 39
OV	iP	10 35 02
PF	iP	10 34 59
RC	eP	10 35 07
	e(pP)	35 35
SH	iP	10 35 40.5
	epP	36 08
TUC	iP	10 34 30
	i	34 39
	i(pP)	34 54
	isP	35 08
	i	36 07
	eS	43 08
	iP'P'	11 02 42
Sept. 20		
SH	e(P)	06 26 36

Date and Station		Phase (GCT) h m s
Sept. 20, cont.		
TUC	eP	06 28 07
	i	28 23
Sept. 20		
PF	iP	14 57 31
	i	57 40
	iS	58 13
Sept. 20		
SH	eP	18 02 53
Sept. 20		
BC	eP	23 33 25
COL	eP	23 29 31
	e	33 16
	e	37 02
GC	eP	23 32 04
	i	32 12.5
	e	37 44
PF	iP	23 33 23
SH	eP	23 33 18
SIT	eS	23 34 48
	eSS	39 39
	eL	42 50
TUC	iP	23 33 58
	i	34 07
	i	34 20
Sept. 21		
SH	eP	04 36 07
TUC	eP	04 36 28
Sept. 21		
SH	e(P)	05 34 27
TUC	eP	05 34 40
	i	34 49
	i	34 53
Sept. 21		
SH	e(P)	09 27 10

Date and Station		Phase (GCT) h m s
Sept. 21, cont.		
HONO	eP	15 50 08
	eS	50 32
Sept. 22		
SH	e(P)	00 41 19
	e	41 23
Sept. 22		
BC	e(P)	02 19 10
BUT	eL	02 23 20
GC	iP	02 18 00.5
	e	18 44
	e	20 25
	e(S)	21 42
	eL	23 23
PHIL	eL	02 39 30
PF	e(P)	02 19 15
SH	eP	02 17 20
	i(S)	18 09
TUC	iP	02 20 15
	i	20 36
	i	21 16
UK	e(P)	02 17 33
	eS	18 46
Sept. 22		
HUAN	iP	03 50 56
	i	51 03
	iS	51 19
	iL	51 27
PF	i(P)	03 59 52
	i	04 05 09
	e	22 19
SH	eP	04 01 13
TUC	iP	03 59 49
Sept. 22		
HUAN	iP	03 55 45
	eS	56 09

Date and Station		Phase (GCT) h m s
Sept. 22, cont.		
SH	eP	04 06 00
TUC	iP	04 04 36
	i	04 42
Sept. 22		
SH	iP	04 23 32
TUC	iP	04 22 19
Sept. 22		
MONT	iP	07 18 45
	iS	19 17
	eL	19 39
Sept. 22		
TUC	e(P)	21 02 05
Sept. 22		
TUC	eP	23 07 27
Sept. 23		
TUC	e(P)	06 22 38
Sept. 23		
TUC	e(P)	06 24 03
Sept. 23		
BC	iP	07 49 01
CHI	eL	08 09 21
COL	eP	07 44 56
	e	47 44
	e(S)	48 53
	eL	49 29
GC	eP	07 47 35
	epP	47 44
	i	48 24.5
OV	iP	07 48 58
PHIL	eL	08 14 37
PF	iP	07 49 04
SH	iP	07 47 54.5
	epP	48 16

Date and Station		Phase (GCT) h m s
Sept. 23, cont.		
SIT	e(P)	07 48 48
	e(PcP)	51 06
	eS	53 44
	eL	55 47
TUC	iP	07 49 41
	ipP	49 50
Sept. 23		
BER	eP	12 41 24
	ePP	45 10
	eSKS	52 22
	eS	53 00
	ePS	54 07
	ePPS	54 56
	eSS	59 08
	eSSS	13 03 42
	eScSScS	05 09
	eL	06 03
BUT	eS	12 53 23
	eL	13 12 11
CHI	ePP	12 46 23
	eS	52 21
	e	52 33
	ePS	54 56
	ePPS	55 32
	eSS	13 00 35
	eSSS	03 59
	eL	08 05
COL	eP	12 40 18
	eS	50 19
	ePS	51 14
	ePPS	51 35
	e(SS)	55 21
	eL	13 01 31
COLU	eS	12 51 53
	ePPS	56 17
	e	13 06 14
	eL	11 32
GC	eP	12 41 57
	ePPP	47 41
HONO	eL	13 24 14

Date and Station		Phase (GCT) h m s
Sept. 23, cont.		
HUAN	eP'	12 47 36
	ePKS	52 01
	e(SKS)	55 49
	eSKKS	56 48
	eSKSP	13 00 42
	e	02 17
LOG	eSKS	12 52 47
	eL	13 13 13
NK	ePP	12 45 33
	ePPS	55 11
	eL	13 12 35
PHIL	iSKS	12 52 14
	ePS	54 03
	ePPS	55 04
	ePKKP	58 50
	iSS	59 50
	eSSS	13 03 21
	eScSScS	05 22
	e(P'P')	06 46
	eL	09 49
RC	eL	13 12 41
SLC	eSKS	12 53 11
	eS	53 57
	ePS	56 05
	e(SS)	13 02 59
	eL	14 54
SH	eP'	12 46 35
SIT	eSKS	12 51 58
	eS	52 02
	iPS	53 13
	ePPS	53 46
	eSS	58 02
	eSSS	13 01 26
	eL	04 06
TUC	eP'	12 46 55
	ePP	47 50
	iSS	13 03 22
UK	eSS	13 01 36
	eL	15 16

Date and Station		Phase (GCT)
		h m s
Sept. 23, cont.		
BC	eP	13 55 03
BUT	eP	13 55 41
	iS	58 21
	iL	59 06
CHI	e(P)	13 59 09
	eS	14 03 42
	eL	04 57
COL	eS	14 03 37
GC	eP	13 55 12
	eS	56 45
	eL	56 50
HONO	eL	14 07 18
LOG	i(P)	13 55 33
	i	55 43
	i	56 29
	iS	57 12
	iL	58 26
OV	eP	13 55 24
PHIL	eL	14 09 08
PF	eP	13 55 29
	i	55 31
	iS	56 39
RC	iP	13 56 55
SLC	eP	13 55 31
	eS	58 22
	eL	58 45
SH	iP	13 53 38.8
	eS	53 57
SIT	eP	13 57 14
	eS	14 00 34
	iL	00 47
TUC	iP	13 56 28
	i	56 52
	e	57 35
	e(S)	59 33
	eL	14 00 09

Date and Station		Phase (GCT)
		h m s
Sept. 23, cont.		
UK	eP	15 53 29
	i(S)	54 40
Sept. 24		
SH	e(P)	09 40 24
Sept. 24		
SH	e(P)	16 16 42
TUC	e(P)	16 15 31
Sept. 24		
PF	iP	18 22 31
Sept. 24		
SH	e(P)	22 39 40
TUC	iP	22 37 57
	epP	40 01
Sept. 25		
CHI	eL	00 25 20
COLU	eL	00 39 09
SLC	e(S)	23 57 40
	eL	00 17 06
Sept. 25		
BC	eP	01 36 41
BUT	e(P)	01 35 07
	iS	35 37
	iL	35 50
GC	iP	01 35 33
	i(S)	36 44.5
PF	eP	01 36 38
SLC	eP	01 36 42
	eS	38 25
	eL	38 37
SH	eP	01 36 06
	i	36 30
TUC	eP	01 37 37
	e	38 12

Date and Station		Phase (GCT)
		h m s
Sept. 25, cont.		
TUC	eS	01 39 51
	eL	41 15
Sept. 25		
BH	e(P)	18 31 46
	eS	32 17
Sept. 25		
HUAN	iP	23 29 50
	iS	30 05
	iL	30 32
SH	iP	23 40 05.5
	epP	40 24
TUC	iP	23 38 46
	epP	39 05
Sept. 25		
BER	eP'	23 50 40
	ePP	51 12
	eSKS	58 21
	e(PS)	00 01 07
	e	05 23
	e(SS)	09 04
	e(SSS)	13 28
BUT	eL	00 16 43
COL	e(P)	23 46 17
	ePPP	50 13
	eS	54 13
	e	55 35
	eL	00 08 23
GC	eP	23 49 05
HONO	e	23 52 20
	e	00 01 52
HUAN	eP	23 51 09
	e	55 15
	e	00 16 18
	eL	20 14
LOG	e	23 59 57
	eL	00 23 01

Date and Station	Phase	(GCT) h m s
Sept. 26, cont.		
PHIL	e	00 00 32
	e	10 02
	eL	19 17
SH	eP	23 45 14
	e	45 32
	e	48 11
STT	e(P)	23 54 53
	e	55 32
	e	56 25
	e	00 02 04
	e	06 10
TUC	e(P)	23 49 52
	e	51 08
	e	00 00 23
	e	01 08
	e	09 52
	eL	17 39
UK	eL	00 14 11
Sept. 26		
BUT	eL	04 06 26
COL	eL	03 48 26
PHIL	eL	04 00 41
STT	eL	03 51 10
TUC	e(P)	03 23 39
Sept. 26		
OV	eP	06 19 44
SH	eP	06 19 55
TUC	e(P)	06 19 28
Sept. 26		
SH	e(P)	06 59 43
TUC	e(P)	06 59 17
	e	59 21
Sept. 26		
Ov	eP	08 27 28

Date and Station	Phase	(GCT) h m s
Sept. 26, cont.		
PF	iP	08 27 32
SH	e(P)	08 26 39
TUC	eP	08 27 58
	ipP	28 10
Sept. 26		
OV	eP	09 12 03
TUC	e(P)	09 11 50
Sept. 26		
BH	eP'	16 21 16
	ePP	24 25
BER	epP	16 17 35
	ePP	22 07
	ipPP	22 47
	ePPP	24 59
	eSKS	27 22
	i(SKKS)	27 53
	i(S)	29 24
	e(PKKP)	30 14
	ipPS	32 20
	iPPS	33 17
	iSKKP	34 06
	eSS	38 20
	esSS	39 10
	eSSS	43 30
	eSKPP'	44 22
	eL	17 02 26
T_S = 7 sec. A = 1.3mm		
T_L = 23 sec. $A_{max.}$ = 3mm		
BC	iP	16 15 29
	iPP	19 20
	e(pPP)	19 35
	eS	25 58
BUT	eP	16 15 06
	epP	15 45
	ePP	18 53
	iSKS	25 29
	iS	26 04
	iPS	27 28
	i	28 27
	e	31 21

Date and Station	Phase	(GCT) h m s
Sept. 26, cont.		
BUT	eSS	16 32 27
	esSS	33 13
	e	39 31
	eL	41 17
CHI	eP	16 16 08
	eP'	20 15
	iPP	20 35
	ipPP	20 52
	ePPP	23 11
	iSKS	26 36
	ipS	28 25
	ePS	29 48
	eSPP	30 58
	iPPS	31 16
	i(PKKP)	31 55
	eSS	35 29
	esSS	36 52
	eSKPP'	44 43
	eL	50 03
COL	eP	16 12 45
	e(sP)	13 25
	ePPP	18 06
	eS	21 31
	esS	22 20
	eSS	26 00
	e(sSS)	26 26
	eSSS	29 07
	eL	29 44
COLU	e(sPP)	16 22 32
	eSKS	27 16
	ePS	31 32
	eSPP	32 26
	ePPS	32 42
	e(SS)	37 44
	esSS	38 14
	e(P'P')	39 17
	eSSS	42 10
	eSKPP'	44 10
	eL	49 28
GC	iP	16 14 44
	eSKS	25 00
	eS	25 26
HONO	eP	16 13 09
	iPcP	13 20

Date and Station		Phase (GCT) h m s
Sept. 26, cont.		
HONO	ipP	16 13 40
	isP	13 55
	i	14 13
	iPP	15 42
	ipPP	16 05
	iPPP	17 26
	iS	22 26
	isS	23 14
	isPS	23 43
	iSS	26 42
	isSS	27 47
	eSSS	30 37
	eL	31 36
T_P = 1.2 sec. A = 2.5mm		
T_S = 7 sec. A = 12mm		
T_L = 12 sec. Amax. = 3mm		
HUAN	eP'	16 21 49
	ipP'	22 01
	isP'	22 24
	i	23 19
	i	23 36
	iPP	26 03
	ipPP	26 47
	ePPP	29 40
	eSKKS	31 47
	eSKSP	35 41
	ePPS	39 35
	eSS	46 00
	eL	51 16
LOG	iP	16 15 21
	ipP	16 01
	isP	16 11
	iSKS	25 47
	iS	26 50
	eL	47 33
NK	epP	16 17 08
	ePP	20 47
	eSKS	26 40
	iSKKS	27 53
	e(SP)	30 21
	iPPS	32 06
	eSS	37 07
	eP'P'	40 00
	eL	17 01 12

Date and Station		Phase (GCT) h m s
Sept. 26, cont.		
OV	iP	16 15 27
PHIL	eP	16 20 18
	eP'	21 19
	ePP	23 41
	iSKS	27 01
	eS	28 14
	isP	29 32
	eSP	30 38
	iPS	30 54
	ipPS	31 00
	eSS	36 27
	esSS	37 20
	i(P'P')	41 48
	eSKPP'	44 39
	eL	49 48
PF	iP	16 15 31
	iPP	19 19
	iS	26 02
RC	eP	16 16 33
	ipP	17 13
	ePP	20 15
	eSKS	26 45
	iSKKS	26 59
	iS	27 52
	iPS	29 08
	ePPS	30 17
	eSS	35 02
	eSSS	39 13
	eL	45 19
SLC	eP	16 15 21
	eSKS	25 46
	eS	26 36
	esP	27 30
	ePS	28 12
	esPS	28 28
	ePKKP	32 20
	eSSS	37 15
	eL	41 06
SH	iP	16 15 27
	epP	15 21
	iS	25 13
	i	25 44

Date and Station		Phase (GCT) h m s
Sept. 26, cont.		
SIT	iP	16 13 34
	iPcP	13 48
	ipP	13 53
	i	14 10
	iPP	16 24
	ipPP	16 40
	iPPP	18 06
	ipPPP	18 40
	iS	23 06
	iScP	23 22
	ipS	23 44
	iPS	23 50
	isPS	24 20
	iSS	27 31
	isSS	28 18
	eSSS	31 26
	eL	33 20
TUC	eP	16 15 50
	i	15 58
	ipP	16 08
	iPP	20 02
	iSKS	26 22
	iSKKS	26 40
	iS	27 22
	i(SP)	28 38
	iPS	29 08
	iPPS	30 22
	eSS	34 28
	eSSS	38 30
	eP'P'	39 18
	eSKPP	44 10
	eL	44 20
UK	e(P)	16 14 48
	eSKS	25 15
	eS	25 55
	ePS	27 01
	eSS	32 09
	eL	40 21
Sept. 26		
SH	e(P)	17 00 45
Sept. 27		
SH	iP	01 26 41.5
TUC	iP	01 27 05

Date and Station		Phase (GCT) h m s
Sept. 27, cont.		
PF	i(P)	03 23 41
	i	23 48
Sept. 27		
GC	eP	07 42 10
	eS	43 46
SH	eP	07 40 20
	i	40 23
	eS	40 51
TUC	eP	07 42 21
	e(S)	45 25
	eL	45 51
Sept. 27		
TUC	eP	14 46 19
	i	46 34
Sept. 27		
BH	eP	22 14 34
	eS	15 58
BC	eP	22 21 20
GC	eP	22 22 20
	e	22 30
HUAN	iP	22 17 22
	iS	21 09
	iL	23 02
OV	eP	22 21 20
PF	iP	22 21 16
SJ	e(P)	22 15 20
	e	15 32
	eL	18 44
SH	eP	22 21 44
	e	22 12
TUC	iP	22 21 43
	i	21 50
	i	22 02
Sept. 28		
SH	e(P)	00 05 23

Date and Station		Phase (GCT) h m s
Sept. 28		
SIT	eL	04 06 52
Sept. 28		
BH	eP	06 08 20
	iS	09 02
Sept. 28		
SH	eP	06 44 37
TUC	iP	06 46 09
Sept. 28		
BH	eP	11 49 35
	eS	50 39
GC	e(P)	11 58 11
HUAN	eP	11 52 10
OV	eP	11 56 50
PF	eP	11 56 46
SH	eP	11 56 33
	e	57 42
TUC	iP	11 56 08
	i	56 24
	i	56 28
Sept. 28		
BH	eP	17 27 06
	iS	27 51
PF	eP	17 34 06
SH	e(P)	17 34 46
TUC	iP	17 33 08
	i	33 15
Sept. 29		
SH	e(P)	00 03 53
	e	04 02
Sept. 29		
HUAN	iP	05 46 19
	iS	48 10
	iL	48 16

Date and Station		Phase (GCT) h m s
Sept. 29, cont.		
OV	eP	09 02 19
	i	02 22
	i(S)	02 52
	i	03 03
PF	iP	09 02 20
	iS	03 18
Sept. 30		
HONO	eP	14 06 53
	iS	07 14
	iL	07 26
Sept. 30		
SH	e(P)	14 12 44

Local and Minor Quakes

day	hour
HUAN	
July	
1	19.8
4	09.3
	22.5
7	17.2
9	07.4
10	20.9
11	19.2
	22.5
12	00.6
	04.7
13	05.3
16	11.4
	16.7
17	16.2
19	22.7
20	12.8
21	08.6
24	12.9
25	01.5
	05.9
	10.5
28	02.7
30	05.0
MONT	
July	
23	17.5
SJ	
July	
2	13.7
5	14.4
23	06.8
30	04.3
TUC	
July	
2	06.0
4	01.7
	01.7
8	13.2
	22.6
9	04.6
10	19.7
11	01.7
	01.8
14	05.7
	05.7

day	hour
TUC, cont.	
July cont.	
15	06.3
	07.9
	17.5
	17.7
16	07.6
	18.9
19	01.0(7)
	04.0(5)
21	00.4
	11.4
	16.5(2)
24	16.7
	18.5
	20.0
25	01.9
	03.2(3)
	03.4
	03.5
	05.3
	07.4
	07.9
	16.3
	16.9
26	01.3
	01.4
	04.8
	05.0
	20.7
	23.1
	23.2(2)
	23.4
27	01.9
	10.6
	11.9
28	18.6
	23.2
29	16.6
30	04.0
	04.3
	05.4
	22.8
31	02.0
BUT	
Aug.	
10	02.9
12	00.1

day	hour
COL	
Aug. cont.	
5	07.8
11	00.1
17	04.0
22	05.0
25	05.6
29	18.6
31	03.0
HONO	
Aug.	
6	03.5
	21.6
	23.6
7	00.2
	02.0
	03.3
HUAN	
Aug.	
2	19.9
3	14.8
4	00.8
6	15.8
7	12.5
	14.5
	15.6
	18.6
8	06.5
	06.8
9	19.7
11	03.7
	04.9
12	06.1
13	00.3
	12.4
15	02.5
	05.9
17	00.4
	12.0
18	13.5
19	05.0
	20.5
20	17.3
21	07.4
22	21.2
23	19.5
24	05.2
	12.1

day	hour
HUAN, cont.	
Aug. cont.	
24	14.6
	16.5
25	17.3
26	06.4
	15.6
	17.8
	23.7
28	01.6
	13.4
29	05.0
	09.6
	11.7
31	07.5
	10.4
MONT	
Aug.	
13	17.8
	Felt
27	20.3
SIT	
Aug.	
16	06.1
17	04.1
TUC	
Aug.	
1	15.7
	16.0
	16.1
	17.1
3	05.9
	06.5
7	08.9
8	04.9
	06.8
	06.8
9	09.5
10	03.3
11	09.2
12	21.6
13	19.7
27	10.9
	13.5
28	17.4

day	hour
COL	
Sept.	
29	02.7
HONO	
Sept.	
2	15.4
3	20.0
19	01.5
20	02.9
21	15.8
HUAN	
Sept.	
2	17.5
3	01.5
	23.9
5	01.9
	16.9
	23.4
6	04.1
	21.1
7	15.6
	16.4
9	08.6
	19.5
11	16.1
14	14.6
	20.7
15	10.3
17	07.2
	17.0
19	08.7
	10.6
20	04.2
	09.4
	13.4
22	09.1
23	04.1
25	13.2
26	19.8
27	04.7
	14.8
28	10.7
29	09.2
LOG	
Sept.	
21	23.1

day	hour
MONT	
Sept. cont.	
24	16.1
SJ	
Sept.	
8	18.6
TUC	
Sept.	
3	00.9
	02.0
4	09.9
5	22.0
10	15.7
14	01.7
	12.4
15	12.5(2)
	16.8
	19.0
16	01.9
	02.0
	02.1
	06.4
	10.6(2)
20	15.0
24	07.3
25	00.4
	11.9
26	05.6
28	20.1
29	20.4
30	17.5