MAY 8-1962

JAN 1962

JOINT DIRECTORS

Professor S. Warren Carey
Professor Gordon H. Newstead

Box 252c, G.P.O.
Hobart, Tasmania.

International Seismological Centre

TASMANIA UNIVERSITY RADIO-TELEMETERED SEISMIC NET

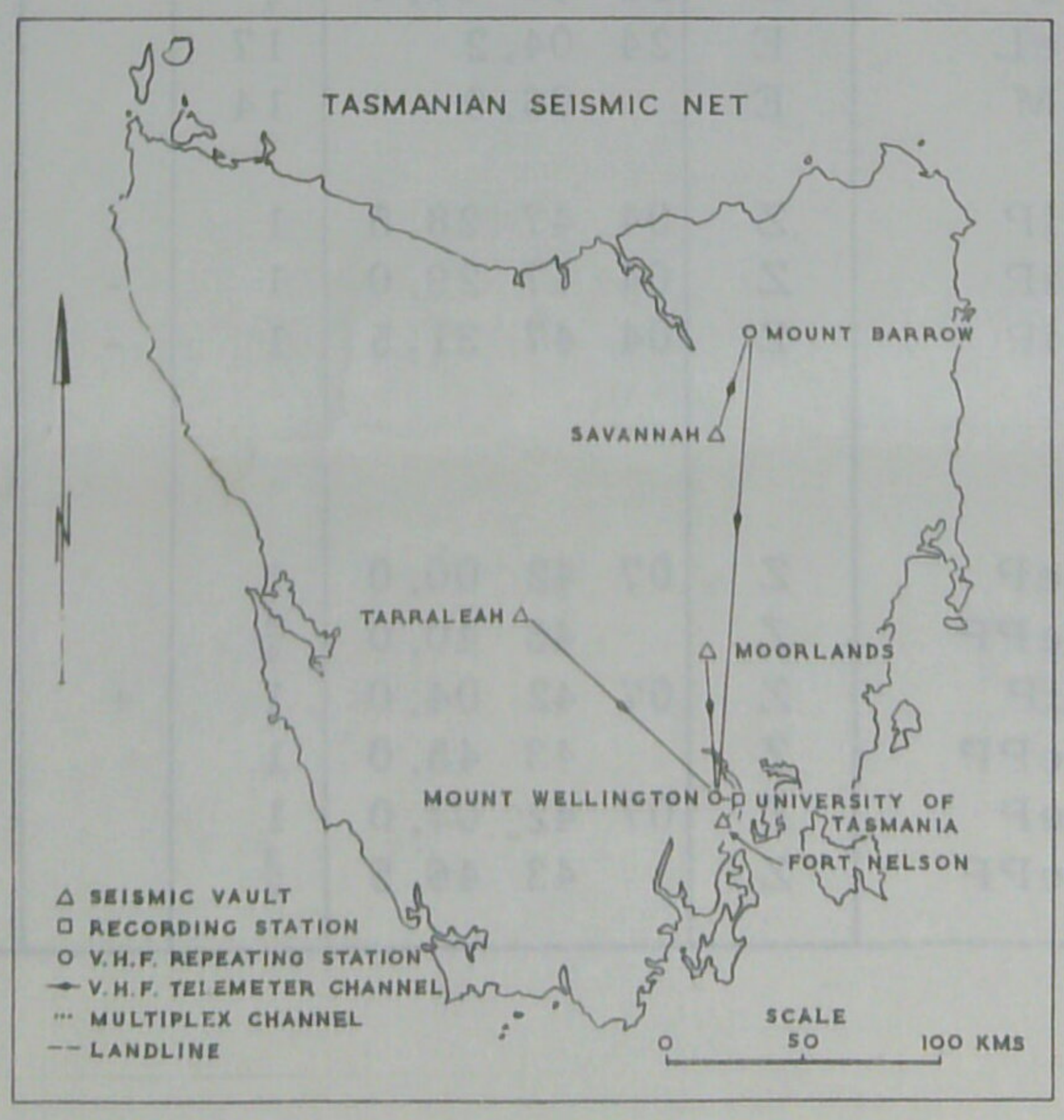
Station Co-ordinates			Altitudes (metres)	Foundations
Fort Nelson (FN)	42°55'35.39"S	147°21'13.02"E	184.1	Dolerite
Tarraleah (T)	42°18'16.34"S	146°27'03:51"E	579.1	Basalt
Moorlands (M)	42°26'33.31"S	147°11'29.26"E	324.6	Top contact of dolerite sill
Savannah (S)	41°43'17.59"S	147°11'22.41"E	179.8	Dolerite

Inter-station distances (metres)		Bearings	Back Bearings
FN – T	101285	~~305~~ 312°42'15"	133°18'55"
FN – M	55375	346°03'28"	166°10'04"
FN – S	134526	354°10'30"	174°17'08"
T – M	62891	104°21'43"	283°51'46"
T – S	89086	43°27'24"	223°07'44"
M – S	80089	359°53'12"	179°53'17"

TIME

All stations are radio-telemetered to record on a single multipen recorder (90 mm. per min., response to 50 cycles per sec.) timed by a Rohdë & Schwartz quartz crystal clock. The system is also recorded in parallel on multi-channel magnetic tape.

Seismometer installations not yet permanent, current installation is given overleaf.



Bulletin mailed from

International Seismological Centre

PROVISIONAL SEISMOLOGICAL BULLETIN

January 1962

Instruments

FNT Sprengnether (Series H) EW, pendulum 15.3 sec., galvanometer $6\frac{3}{4}$ sec.
FNT Newstead-Watt horizontal NS, short and long periods.
FNT Willmore short period vertical
MOO Willmore short period vertical
TRR Willmore short period vertical

No.	Date' 62	Stn.	Phase	Cpt.	Time (GMT)	Per.	Amp.	Remarks
					h. m. s.	s.		
1	Jan. 2	TRR	eP	Z	02 22 41.5	$\frac{3}{4}$		
		MOO	iP	Z	02 22 43.5	$\frac{3}{4}$	-	Dilatation
		FNT	eP	Z	02 22 47.0	$\frac{3}{4}$		
2	2	FNT	eL	E	12 01.0			USCGS: 21.8 S, 169.8 E H 11 47 31.0, h 56 km
3	2	FNT	eL	E	12 29.8	13		
4	2	FNT	eP	Z	23 14 48.0	$\frac{3}{4}$		
		MOO	eP	Z	23 14 49 0	1		
			iPcP	Z	18 12.0	1	+	
		TRR	ePcP	Z	23 18 13.0	$\frac{3}{4}$		
5	3	FNT	eP	Z	13 43 05.0	$\frac{3}{4}$		USCGS: 9.9 S, 159.7 E H 13 36 20.5, 75 km
6	3	MOO	eP	Z	23 56 21.0	1		USCGS: 21.5 S, 169.9 E
			ipP	Z	56 36.0	1	+	H 23 50 28.8, h 75 km
		FNT	e	Z	23 56 30.0	$\frac{3}{4}$		
			eL	E	24 04.2	17		
			M	E	06.9	14		
7	4	TRR	iP	Z	04 47 28.5	1	-	Dilatation
		MOO	iP	Z	04 47 29.0	1	-	Dilatation
		FNT	iP	Z	04 47 31.5	1	-	Dilatation USCGS: 33.9 N, 135.2 E H 04 35 42.6, h 56 km
8	4	TRR	eP	Z	07 42 00.0	1		
			ePP	Z	43 40.0	$\frac{3}{4}$		
		MOO	iP	Z	07 42 04.0	1	+	Compression
			ePP	Z	43 45.0	1		
		FNT	eP	Z	07 42 07.0	1		USCGS: 5.0 S, 130.4 E
			ePP	Z	43 46.5	$\frac{3}{4}$		H 07 34 44.4, h 222 km

International Seismological Centre

No.	Date' 62	Stn.	Phase	Cpt.	Time (GMT)	Per.	Amp.	Remarks
					h. m. s.	s.		
9	Jan. 5	MOO	iP	Z	00 31 15.5	$1\frac{1}{2}$	+	Compression
			e	Z	31 35.5	1		
		FNT	e(P)	Z	00 31 20.5	$\frac{3}{4}$		USCGS: 15.5 S, 177.7 W
			iS	E	37 29	8	+	H 00 23 32.1, h 24 km
			eL	E	42.7	29		
			M	E	44.7	19		
			eL	N_1	45.1	15		
10	5	FNT	iP	Z	08 16 13.0	$\frac{3}{4}$	-	Dilatation
			eL	E	28.9	31		
			M	E	32.1	17		USCGS: 15.5 S, 172.5 W
		TRR	e	Z	08 16 17.0	$1\frac{1}{2}$		H 08 08 07.5, h 60 km
11	5	MOO	iP	Z	11 57 55.5	$1\frac{1}{4}$	+	Compression
		TRR	eP	Z	11 57 58.0	1		USCGS: 15.1 S, 167.6 E
								H 11 51 35.4, h 133 km
12	5	FNT	eL	E	14 30.3	19		USCGS: 1.6 S, 100.0 E
								H 14 01 41.7, h 25 km
13	8	FNT	eL	E	02 07.3	25		USCGS: 18.5 N, 70.5 W
			eL	N_1	08.2	20		H 01 00 24.2, h 63 km
14	8	FNT	iP	Z	05 49 41.5	$\frac{3}{4}$	-	Dilatation
			iPcP	Z	52 14.0	$\frac{3}{4}$	+	
		MOO	eP	Z	05 49 42.0	1		USCGS: 24.2 S, 177.7 W
			e	Z	50 19.0	1		H 05 43 02.2, h 133 km
			iPcP	Z	52 14.5	1	+	
		TRR	iPcP	Z	05 52 15.5	$\frac{3}{4}$	+	
15	8	MOO	iP	Z	17 10 15.5	1	-	Dilatation
			epP	Z	10 36.5	1		USCGS: 6.4 S, 147.3 E
		FNT	eP	Z	17 10 19.5	$\frac{3}{4}$		H 17 03 18.9, h 104 km
16	9	FNT	(e)	Z	12 53 29.5	$\frac{3}{4}$		USCGS: 42.9 N, 144.8 E
			eL	E	13 23.2	23		H 12 40 49.3, h 78 km
		MOO	eP	Z	12 53 35.5	$1\frac{1}{4}$		
17	11	MOO	ePKIKP	Z	05 24 35.5	1		USCGS: 43.5 N, 17.7 E
		FNT	e	Z	05 24 43.5	$\frac{3}{4}$		H 05 05 01.6, h 25 km
18	12	FNT	eP	Z	09 00 49.5	$\frac{1}{2}$		USCGS: 20.2 N, 145.9 E
								H 08 50 31.2, h 103 km
19	13	FNT	eP	Z	11 10 40.0	$\frac{3}{4}$		USCGS: 37.5 S, 178.7 E
								H 11 05 20.1, h 25 km
20	14	FNT	eP	Z	13 47 49.0	$\frac{1}{4}$		Local
			eS	N_s	48 03.5	$\frac{1}{2}$		
			eS	Z	48 04.0	$\frac{1}{2}$		

International Seismological Centre

No.	Date' 62	Stn.	Phase	Cpt.	Time (GMT)	Per.	Amp.	Remarks
					h. m. s.	s		
21	Jan. 15	MOO	iP	Z	18 28 11.0		-	Dilatation
		FNT	iP	Z	18 28 12.5	1	-	Dilatation
								USCGS: 6.0 S, 146.8 E
								H 18 21 12.8, h 140 km
22	16	FNT	iP	Z	11 41 51.0	$\frac{3}{4}$	-	Dilatation
			eP	E	41 55	1		
			ePcP	Z	44 51.5	$\frac{1}{2}$		H 11 35 42
			i	Z	44 58.5	$\frac{3}{4}$	-	Δ 30°.2, h 0.00
			iS	E	46 47	6	+	
			e	N_1	48 11.5	23		USCGS: 30.5 S, 177.9 E
			eScP	Z	48 38.5	$\frac{3}{4}$		H 11 35 41.3, h 39 km
			eL	E	49.4	40		
			M	E	51.0	23		
			M	N_1	52.6	14		
23	17	FNT	eL	E	13 43.8	20		
			M	E	46.0	15		
24	17	FNT	eP	Z	15 38 11.0	1		USCGS: 4.3 N, 128.3 E
								H 15 29 06.6, h 25 km
25	17	FNT	eP	Z	15 52 13.0	$\frac{3}{4}$		USCGS: 3.9 N, 126.6 E
								H 15 43 18.3, h 74 km
26	18	FNT	i(P)	Z	16 03 16.5	$\frac{3}{4}$	-	
			i	Z	06 02.0	$\frac{3}{4}$	-	
27	19	FNT	eP	Z	13 29 55.5	$\frac{3}{4}$		USCGS: 21.5 S, 174.6 W
								H 13 22 37.0, h 25 km
28	19	FNT	eP	Z	21 26 32.5	1		USCGS: 2.9 S, 139.0 E
								H 21 18 58.5, h 76 km
29	19	FNT	iP	Z	22 10 50.5	$\frac{1}{2}$	+	Compression
			iP	N_S	10 53.0	$\frac{1}{2}$	+	
			iS	Z	13 08.0	$\frac{3}{4}$	-	H 22 07 54
			iS	N_S	13 11.5	$\frac{3}{4}$	-	Δ 12°.4
			eL	E	13.6	14		
			eL	N_1	13.8	14		USCGS: 49.8 S, 163.0 E
			M	N_1	14.1	13		H 22 07 47.7, h 53 km
			M	E	14.5	13		
			eT	Z	23 36.0	$\frac{1}{2}$		
			eT	N_S	23 40.0	$\frac{1}{2}$		
			Tmax	Z	24 00.5	$\frac{1}{2}$		
			Tmax	N_S	24 06.5	$\frac{1}{2}$		
30	20	FNT	iP	Z	20 21 38.0	$\frac{3}{4}$	+	Compression
			ipP	Z	21 48.5	$\frac{1}{2}$	-	USCGS: 6.6 S, 152.1 E
								H 20 14 32.7, h 33km

No.	Date' 62	Stn.	Phase	Cpt.	Time (GMT)	Per.	Amp.	Remarks
					h. m. s.	s.		
31	Jan. 21	FNT	iP	Z	12 58 27.5	$\frac{3}{4}$	-	Dilatation
			e	Z	58 38.5	$\frac{3}{4}$		
			i	Z	58 44.0	$\frac{3}{4}$	+	USCGS: 17.7 S, 178.8 W
			ePcP	Z	13 00 16.0	$\frac{1}{2}$		H 12 51 52.1, h 558 km
32	23	FNT	eP	Z	15 36 41.5	$\frac{3}{4}$		
33	24	MOO	iP	Z	04 52 45.0	1	-	Dilatation
			ePcP	Z	55 31.0	1		USCGS: 15.6 S, 167.6 E
		TRR	eP	Z	04 52 46.5	$\frac{3}{4}$		H 04 46 29.1, h 133 km
		FNT	iP	Z	04 52 46.5	$\frac{3}{4}$	-	Dilatation
			ePcP	Z	55 31.5	$\frac{3}{4}$		
34	25	FNT	eL	E	02 11.4	11		USCGS: 10.7 S, 161.8 E
								H 01 50 11.4, h 80 km
35	26	TRR	iP	Z	05 33 55.0	$\frac{3}{4}$	+	Compression
		FNT	iP	Z	05 33 59.0	$\frac{1}{2}$	+	Compression
								USCGS: 32.2 N, 138.1 E
								H 05 22 51.3, h 333 km
36	26	FNT	iP	Z	06 16 15.0	$\frac{1}{2}$	+	Compression
			e	Z	16 28.0	$\frac{3}{4}$		
		TRR	eP	Z	06 16 19.5	$\frac{3}{4}$		USCGS: 23.4 S, 176.1 E
		MOO	e	Z	06 16 24.5	1		H 06 09 33.0, h 214 km
37	28	FNT	iP	E	05 48 06	4	+	H 05 40 10
			eS	E	54 27	15		$\triangle$ 42°.7
			eL	E	06 00.6	28		
			eL	E	05.3	14		USCGS: 17.2 S, 172.0 W
			M	E	08.6	16		H 05 40 08.2, h 25 km
38	28	TRR	iP	Z	16 49 35.0	1		Dilatation
			ePcP	Z	51 07.0	1		
		MOO	eP	Z	16 49 36.5	1		USCGS: 0.0, 123.9 E
			ePcP	Z	51 08.0	1		H 16 41 13.8, h 101 km
		FNT	eP	Z	16 49 41.0	1		
			i	Z	50 25.5	$\frac{3}{4}$	+	
			ePcP	Z	51 09.5	1		
39	29	TRR	ePg	Z	11 00 24.0	$\frac{1}{4}$		Local
			eSn	Z	00 37.0	$\frac{1}{4}$		
		FNT	iPn	Z	11 00 35.0	$\frac{3}{4}$	+	
			iSn	N_s	00 54.5	$\frac{1}{2}$	+	
			iSn	Z	00 56.0	$\frac{1}{4}$		
		MOO	e(Sn)	Z	11 00 52.0	1		

International Seismological Centre

International Seismological Centre

No.	Date' 62	Stn.	Phase	Cpt.	Time (GMT)	Per.	Amp.	Remarks
					h. m. s.	s.		
40	Jan. 30	MOO	iP	Z	15 08 22.0	$1\frac{1}{4}$	-	Dilatation
		TRR	eP	Z	15 08 27.0	1		USCGS: 16.2 S, 176.0 W
								H 15 01 12.4, h 383 km
41	30	MOO	eP	Z	18 37 01.0	1		
		TRR	eP	Z	18 37 04.0	1		
		FNT	eL	E	18 45.2	21		

Seismograms read by
Lesley Read.

JUN 20 1962

JOINT DIRECTORS

Professor S. Warren Carey
Professor Gordon H. Neustead

FEB 1962

Box 252c, G. P. O.,
Hobart, Tasmania.

International Seismological Centre

TASMANIA UNIVERSITY RADIO-TELEMETERED SEISMIC NET

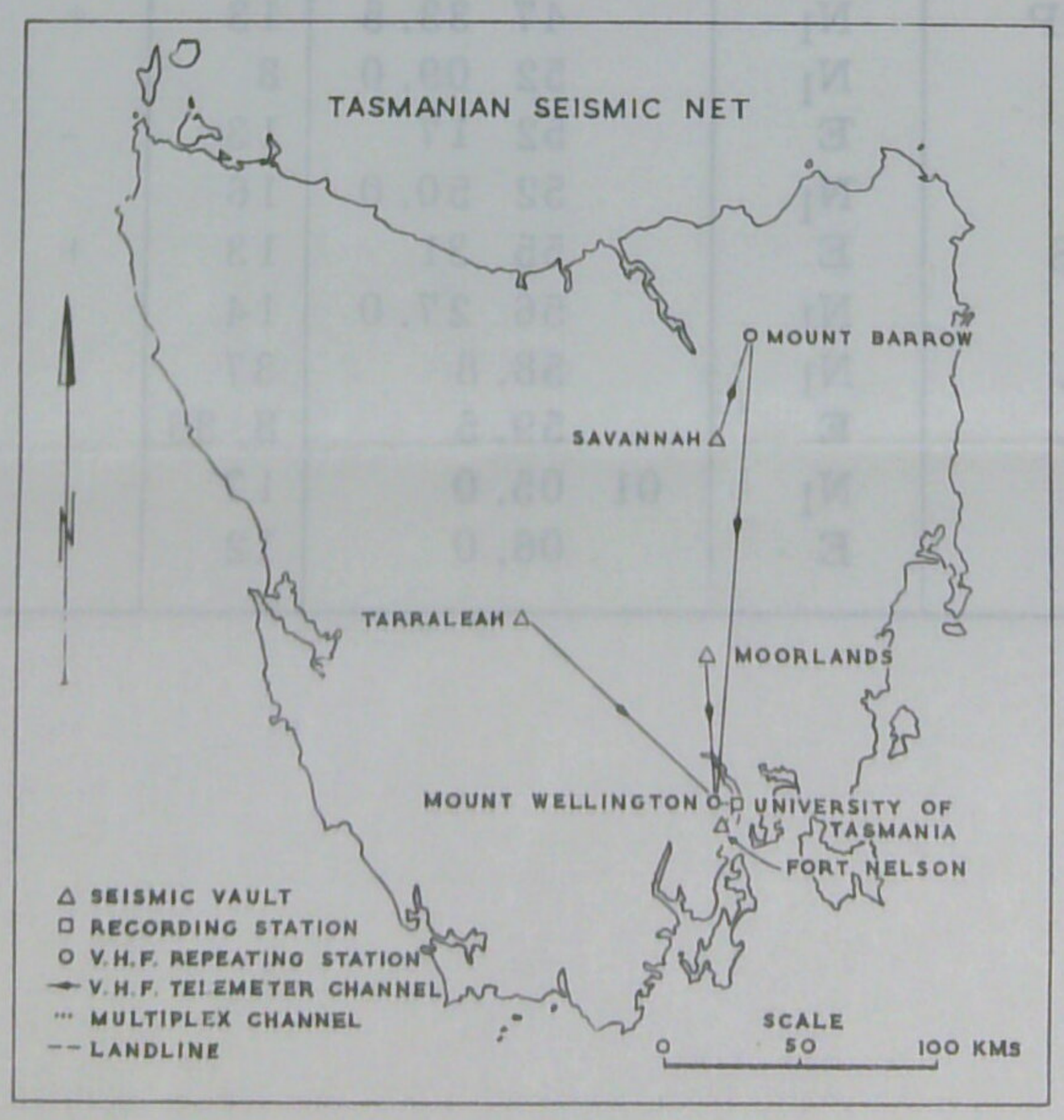
	Station Co-ordinates		Altitudes (metres)	Foundations
Fort Nelson (FN)	42°55'35.39"S	147°21'13.02"E	184.1	Dolerite
Tarraleah (T)	42°18'16.34"S	146°27'03.51"E	579.1	Basalt
Moorlands (M)	42°26'33.31"S	147°11'29.26"E	324.6	Top contact of dolerite sill
Savannah (S)	41°43'17.59"S	147°11'22.41"E	179.8	Dolerite

	Inter-station distances (metres)	Bearings	Back Bearings
FN – T	101285	312°42'15"	133°18'55"
FN – M	55375	346°03'28"	166°10'04"
FN – S	134526	354°10'30"	174°17'08"
T – M	62891	104°21'43"	283°51'46"
T – S	89086	43°27'24"	223°07'44"
M – S	80089	359°53'12"	179°53'17"

TIME

All stations are radio-telemetered to record on a single multipen recorder (90 mm. per min., response to 50 cycles per sec.) timed by a Rohdë & Schwartz quartz crystal clock. The system is also recorded in parallel on multi-channel magnetic tape.

Seismometer installations not yet permanent, current installation is given overleaf.



Bulletin overleaf.

PROVISIONAL SEISMOLOGICAL BULLETIN

Febuary 1962

International Seismological Centre

Instruments

FNT Sprengnether (Series H) EW, pendulum 15.3 sec., galvanometer $6\frac{3}{4}$ sec.
FNT Newstead-Watt horizontal NS, short and long periods.
MOO Willmore short period vertical
TRR Willmore short period vertical
SAV Willmore short period vertical (operating intermittently only)

No.	Date'62	Stn.	Phase	Cpt.	Time (GMT)	Per.	Amp.	Remarks
					h m s	s		
42	Feb. 1	MOO	iP	Z	00 46 05.0	$1\frac{1}{2}$	-	dilatation
			ipP	Z	46 15.0	$1\frac{1}{2}$	+	
			ePcP	Z	49 06.0	$1\frac{1}{2}$		USCGS: 31.7S, 177.3 W
		TRR	ePcP	Z	00 49 07.0	$\frac{3}{4}$		H00 39 54.6, h 30 km
		FNT	eSSS	N_1	00 52 57.5	18		
			eL	N_1E	54.5	17		
			M	N_1	56.1	15		
			M	E	01 01.9	17		
43	3	TRR	iP	Z	00 45 44.5	$1\frac{1}{2}$	+	Compression
			eL	Z	01 00.6	7		
			M	Z	01.7	6		
			eL	Z	04.6	15		
		MOO	iP	Z	00 45 46.5	$1\frac{1}{4}$	+	Compression
			i	Z	46 42.0	1	-	
			eL	Z	03.9	11		
		FNT	iP	N_s	00 45 52.5	$\frac{3}{4}$	+	H 00 37 52
			eP	E	45 55	1		Δ 43°.3
			i	N_s	46 36.5	$\frac{3}{4}$	-	
			iPP	N_1	47 33.5	13	+	USCGS: 1.2 S, 137.8 E
			e	N_1	52 09.0	8		H 00 37 53.6, h 17 km
			iS	E	52 17	13	-	
			e	N_1	52 50.0	16		
			iSS	E	55 31	13	+	
			e	N_1	56 27.0	14		
			eL	N_1	58.8	37		
			eL	E	59.5	8, 36		
			M	N_1	01 05.0	17		
			M	E	06.0	12		

International Seismological Centre

No.	Date'62	Stn.	Phase	Cpt.	Time (GMT)	Per.	Amp.	Remarks
					h m s	s		
44	Feb. 4	TRR	eP	Z	03 02 51.5	$1\frac{1}{4}$		USCGS: 4.6 S, 119.0 E
			e	Z	03 45.0	$1\frac{1}{4}$		H 02 54 42.1, h 89 km
			ePcP	Z	04 40.5	$\frac{3}{4}$		
		MOO	eP	Z	03 02 54.0	$1\frac{1}{4}$		
			isP	Z	03 34.5	$1\frac{1}{2}$	-	
			i	Z	03 49.5	1	+	
		FNT	eSS	N_1	03 13 23.5			
			eSS	E	13 34	12		
			eL	E	18.1	25		
			eL	N_1	18.5	28		
			M	E	23.9	17		
45	5	TRR	eP	Z	23 07 38.0	1		USCGS: 35.9 N, 138.8 E
								H 22 55 49.6, h 151 km
46	8	MOO	eP	Z	11 56 40.0	1		
		TRR	eP	Z	11 56 40.5	1		
		FNT	eP	N_s	11 56 47.0	1		H 11 49 04
			eS	N_1	12 02 56.0	6		$\Delta 41^{o}.2$ h0.00
			eS	E	02 58	14		
			esS	N_1	03 13.0	26		USCGS: 3.2 S, 141.3 E
			iSS	E	05 57	19	+	H 11 49 13.9, h 87 km
			eL	E	09.0	33		
			eL	N_1	11.1	17		
			M	E	15.0	10		
			M	N_1	17.3	12		
47	8	TRR	iP	Z	19 50 38.5	$\frac{3}{4}$	+	Compression
			epP	Z	50 48.5	$\frac{3}{4}$		
			ePcP	Z	51 11.0	1		
		SAV	eP	Z	19 50 40.5	1		
		MOO	iP	Z	19 50 42.0	1	+	Compression
			ipP	Z	50 52.0	1	-	
			ePcP	Z	51 11.0	1		USCGS: 0.7 N, 98.6 E
		FNT	eP	N_s	19 50 46.0	$\frac{1}{2}$		H 19 40 27.7, h 43 km
48	9	TRR	eP	Z	21 59 42.5	1		USCGS: 0.6 N, 123.9 E
			iPcP	Z	22 01 14.0	$\frac{3}{4}$	-	H 21 51 13.2, h 50 km
49	10	MOO	eP	Z	13 10 32.5	1		
			i	Z	10 37.5	1	+	
		FNT	eP	N_s	13 10 33.5	$1\frac{1}{2}$		
		SAV	(eP)	Z	13 10 36.0	$\frac{3}{4}$		

International Seismological Centre

No.	Date'62	Stn.	Phase	Cpt.	Time (GMT)	Per.	Amp.	Remarks
					h m s	s		
50	Feb. 10	MOO	iPKP	Z	19 51 28.0	1	+	Compression
		TRR	iPKP	Z	19 51 29.5	1	+	Compression
		SAV	ePKP	Z	19 51 29.5	1		USCGS: 17.9 N, 62.2 W
								H 19 31 56.2, h 50 km
51	11	TRR	eP	Z	02 53 18.0	1		USCGS: 29.6 N, 139.0 E
			epP	Z	54 49 5	1 1/2		H 02 42 36.1, h 400 km
			i	Z	55 12.0	3/4	-	
		MOO	eP	Z	02 53 19.0	3/4		
			e	Z	55 11.0	3 1/2		
52	11	SAV	eP	Z	19 02 38.0	3/4		
		TRR	iP	Z	02 43.5	3/4	+	Compression
			i	Z	02 49.0	1	+	
			i(pP)	Z	03 09.0	3/4	+	USCGS: 4.5 S, 153.5 E
			e	Z	03 21.5	2		H 18 55 32.0, h 100 km
			e	Z	05 27.5	1		
		MOO	iP	Z	19 02 44.5	1	+	Compression
			ipP	Z	03 07.5	3/4	+	
			e	Z	03 16.0	3		
			i	Z	03 51.5	1	-	
			e	Z	05 20.5	1 1/4		
		FNT	iP	N_s	19 02 48.5	1/2	+	H 18 55 33
			eP	N_1E	02 49.0	1, 6		△ 38°.7, h 0.01
			i	E	03 45	1	+	
			iPP	N_1	04 24.5	9	+	
			iS	N_1E	08 38.0	15	+	
			i	N_1	09 14.5	11	+	
			isS	E	09 16	10		
			eSS	E	11 36	8		
			eSS	N_1	11 42.5	8		
			eL	E	14.2	9, 34		
			eL	N_1	14.4	32		
			M	E	16.0	16		
			M	N_1	17.0	15		
53	11	TRR	iP	Z	19 55 52.5	3/4	-	Dilatation
		MOO	eP	Z	19 55 53.0	3/4		USCGS: 4.6 S, 153.6 E
								H 19 48 41.6, h 107 km
54	11	MOO	eP	Z	22 48 30.0	1		
		TRR	iP	Z	22 48 30.0	3/4	+	Compression
								USCGS: 4.3 S, 153.7 E
								H 22 41 13.8, h 118 km

International Seismological Centre

No.	Date'62	Stn.	Phase	Cpt.	Time (GMT) h m s	Per. s	Amp.	Remarks
55	Feb. 12	TRR	iP	Z	05 03 25.0	½	+	Compression USCGS: 4.5 S, 153.8 E H 04 56 13.5, h 107 km
56	12	SAV	eP	Z	13 51 49.0			
		TRR	iP	Z	13 51 54.0	½	-	Dilatation
		MOO	eP	Z	13 51 55.0	¾		USCGS: 4.4 S, 153.5 E H 13 44 40.0, h 121 km
57	12	TRR	eP	Z	23 35 44.0	1		USCGS: 26.4 N, 140.9 E
			epP	Z	35 19.0	1		H 23 24 55.2, h 168 km
58	14	TRR	eP	Z	02 00 45.0	¾		USCGS: 4.3 S, 153.5 E H 01 53 33.9, h 119 km
59	14	MOO	eP	Z	06 49 15.0	1		USCGS: 38.1 S, 73.1 W
			ipP	Z	49 24.0	1½	+	H 06 36 01.3, h 44 km
		SAV	eP	Z	06 49 15.5	¾		
		FNT	e	E	06 49 51	2		
			iSKS	N_1	59 37.0	20	+	
			eSKS	E	59 38	12		
			iS	E	07 00 01	22	+	
			e	N_1	00 09.0	18		
			iPS	N_1	01 18.0	30	+	
			iSS	E	06 17	29	-	
			eSS	N_1	06 18.0	23		
			eG	E	12.7	50		
			eL	N_1	13.4	23		
			M	E	16.6	18		
			M	E	18.9	31		
60	14	TRR	eP	Z	07 45 20.5	½		USCGS: 4.2 S, 153.4 E H 07 38 09.9, h 137 km
61	14	TRR	eP	Z	12 52 30.5	½		USCGS: 5.7 N, 126.0 E H 11 43 35.1, h 147 km
62	15	FNT	eS	E	15 38 46	10		USCGS: 4.4 S, 153.8 E
			eSS	E	41 41	31		H 15 25 29.5, h 109 km
			eL	E	43.9	26		
			M	E	46.1	17		
63	15	FNT	eL	E	21 15.0	15		USCGS: 23.9 S, 176.5 W H 20 55 59.7, h 25 km
64	16	MOO	iP	Z	19 15 11.0	1¼	+	Compression
		TRR	eP	Z	19 15 13.0	1		

International Seismological Centre

No.	Date'62	Stn.	Phase	Cpt.	Time (GMT)	Per.	Amp.	Remarks
					h m s	s		
65	Feb. 17	MOO	iP	Z	03 48 36.5	1	-	Dilatation
		TRR	eP	Z	03 48 38.5	1		
		FNT	e	E	03 48 40	3		USCGS: 61.6 S, 162.9 E
			eS	E	52 24	9		H 03 43 45.1, h 25 km
			eL	E	53.4	12		
			M	E	55.0	9		
66	17	FNT	eL	E	11 30.4	29		USCGS: 2.7 S, 130.2 E
								H 11 07 01.6, h 54 km
67	18	MOO	iPKP	Z	17 44 20.5	1 1/4	-	Dilatation
			i	Z	44 38.0	1	+	
		TRR	ePKP	Z	17 44 22.0	3/4		USCGS: 8.1 N, 74.6 W
			e	Z	44 38.5	1		H 17 25 17.3, h 70 km
68	19	MOO	iP	Z	05 26 09 0	1 1/4	-	Dilatation
		FNT	eP	N_S	05 26 09.5	3/4		
69	19	SAV	eP	Z	11 12 00.5	3/4		USCGS: 20.2 S, 175.1 W
		MOO	eP	Z	11 12 02.5	1		H 11 04 46.6, h 95 km
70	20	MOO	iP	Z	10 12 51.0	1	-	Dilatation
			iPcP	Z	15 28.5	1	-	
			iScP	Z	18 12.5	1	+	USCGS: 25.9 S, 178.4 E
		FNT	iP	N_S	10 12 52.0	1/2	-	H 10 07 26.6, h 655 km
		TRR	eP	Z	10 12 54.5	1/2		
		SAV	e	Z	10 12 55.5	1/2		
			eScP	Z	18 10.5	3/4		
71	20	MOO	iP	Z	16 18 31.0	1	+	Compression
			ePcP	Z	18 36.5	1		USCGS: 43.0 N, 144.9 E
								H 16 05 44.6, h 55 km
72	20	MOO	iP	Z	20 16 47.5	1	-	Dilatation
		FNT	eL	E	20 24.1	21		USCGS: 50.6 S, 110.8 E
								H 20 11 13.7, h 31 km
73	20	MOO	eP	Z	22 15 02.5	1		USCGS: 26.1 N, 96.8 E
		FNT	eL	E	22 43.2	39		H 22 02 38.2, h 25 km
			M	E	56.0	16		
74	21	MOO	iP	Z	09 53 30.0	1	+	Compression
		FNT	eL	E	09 56.7	12		USCGS: 56.8 S, 146.7 E
								H 09 50 05.4, h 25 km
75	21	FNT	eP	N_S	10 34 06.5	1/2		Local
			eS	N_S	34 26.0	1/2		
		MOO	i(P)	Z	10 34 11.5	1	+	

o.	Date'62	Stn.	Phase	Cpt.	Time (GMT)	Per.	Amp.	Remarks
					h m s	s		
6	Feb. 23	TRR	ePn	Z	05 50 08.0	$\frac{1}{4}$		Local
			ePg	Z	50 18.0	1/3		
			iSg	Z	50 57.0	$\frac{1}{4}$	-	
7	23	TRR	eP	Z	11 47 51.0	$\frac{3}{4}$		USCGS: 6.3 S, 147.0 E
			i(pP)	Z	48 18.0	$1\frac{1}{4}$	-	H 11 40 52.8, h 80 km
			ePcP	Z	50 16.0	1		
		MOO	iP	Z	11 47 51.5	$1\frac{1}{4}$	+	Compression
			e	Z	48 02.0	1		
			i(pP)	Z	48 18.0	1	+	
8	23	TRR	iP	Z	18 12 51.0	1	+	Compression
			i	Z	12 55.5	1	-	
			i	Z	13 19.5	1	+	
		MOO	iP	Z	18 12 51.5	1	+	Compression
			i	Z	12 56.0	1	-	
			i	Z	13 19.5	1	+	USCGS: 4.0 S, 152.6 E
		FNT	eL	E	18 24.5	25		H 18 05 27.1, h 25 km
			eL	N_1	26.1	20		
9	23	TRR	iP	Z	20 28 53.0	1	-	Dilatation
		MOO	iP	Z	20 28 53.5	1	-	Dilatation
		FNT	eS	N_1	20 34 54.5	5		
			iS	E	34 59	6	-	USCGS: 3.8 S, 152.0 E
			eL	E	38.8	45		H 20 21 28.6, h 25 km
			eL	N_1	41.2	28		
			M	N_1	43.6	19		
			M	E	49.0	11		
0	24	TRR	eP	Z	19 41 37.0	1		USCGS: 5.5 S, 146.1 E
		MOO	eP	Z	19 41 41.5	$1\frac{1}{2}$		H 19 34 33.6, h 40 km
1	26	MOO	iP	Z	12 18 40.0	2	+	Compression
		TRR	iP	Z	12 18 43.5	$1\frac{1}{2}$	+	Compression
2	27	MOO	iP	Z	12 54 08.0	$1\frac{1}{4}$	+	Compression
		TRR	eP	Z	12 54 09.0	$1\frac{1}{4}$		
		FNT	eS	E	13 04 45	14		USCGS: 37.4 S, 73.2 W
			eL	N_1	27.5	17		H 12 40 48.9, h 40 km
			eL	E	29.3	20		
3	27	TRR	eP	Z	14 29 13.5	$\frac{1}{2}$		
			ipP	Z	29 22.5	$1\frac{1}{4}$	-	
		MOO	iP	Z	14 29 16.5	1	+	Compression
			i	Z	29 23.5	$1\frac{1}{4}$	+	
		FNT	eL	E	14 48.5	19		USCGS: 2.7 S, 130.1 E
			eL	N_1	51.9	13		H 14 21 24.5, h 40 km

Seismograms read by
Lesley Read.

International Seismological Centre

International Seismological Centre

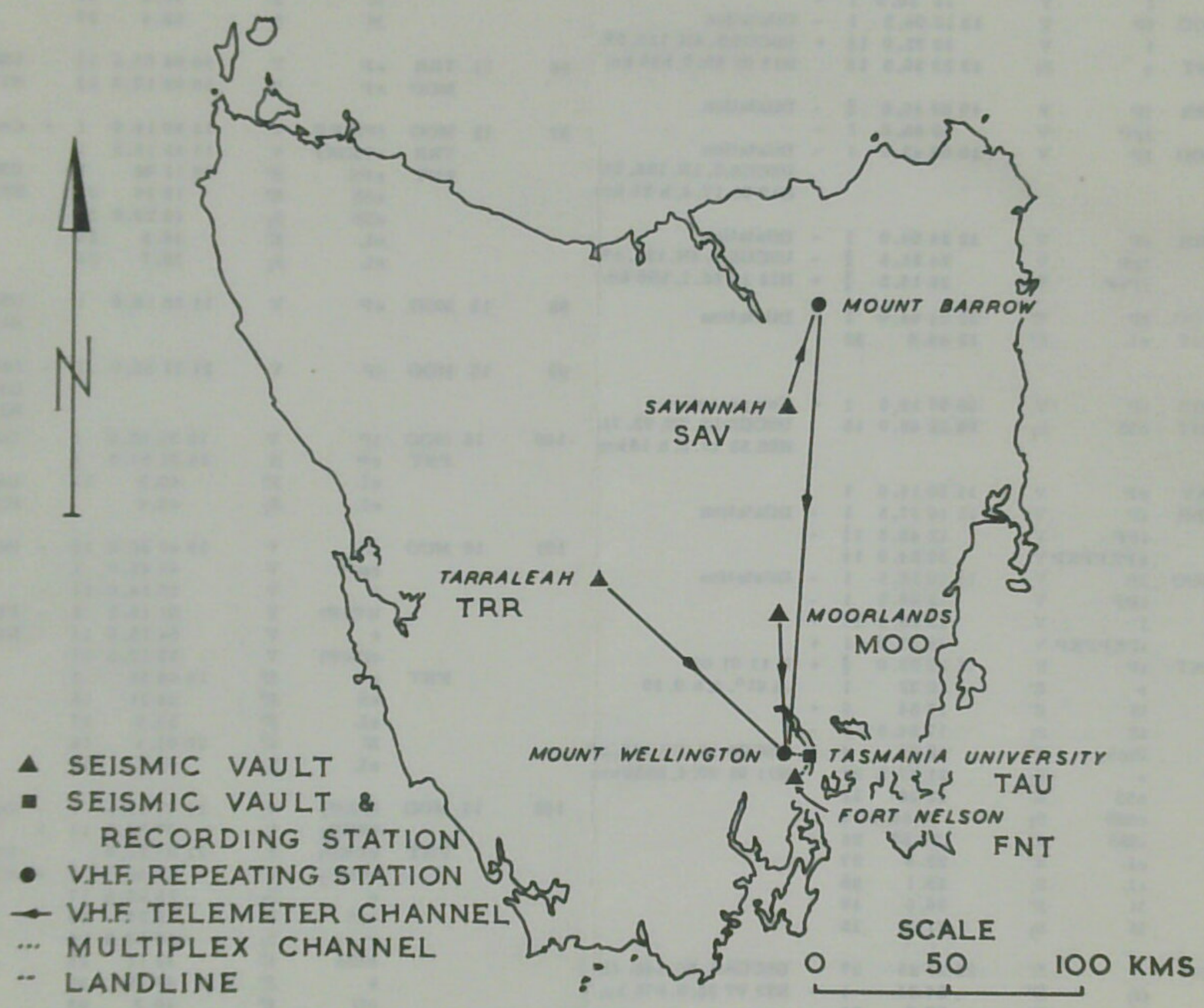
JOINT DIRECTORS

Professor S. Warren Carey
Professor Gordon H. Newstead

Box 252c, G. P. O.,
Hobart, Tasmania.

TASMANIA UNIVERSITY SEISMIC NET

BULLETIN



Station data and instrument notation
are given on back page.

International Seismological Centre

AUG 8 1962

PROVISIONAL BULLETIN

MARCH 1962

Instruments

FNT : V, S, S_1, E'
MOO : V
TRR : V
SAV : V

No.	Date '62	Stn.	Phase	Cpt.	Time (GMT) h m s	Per A. s		Remarks
84	Mar. 1	SAV	eP	V	23 48 08.5			
		MOO	iP	V	23 48 11.0	1¼	+	Compression
		TRR	eP	V	23 48 13.5	1¼		
		FNT	eSS	S_1	23 56 18.5	19		USCGS:14.0S, 172.5E
			iSSS	S_1E'	56 45.0	15	+	H23 41 14.5, h73 km
			eL	E'	59.1	23		
			eL	S_1	59.5	13		
85	2	MOO	eP	V	01 44 01.5	2		
86	2	TRR	iP	V	13 12 04.5	1	-	Dilatation
			i	V	12 26.5	1	-	
		MOO	iP	V	13 12 06.5	1	-	Dilatation
			i	V	12 32.0	1¼	+	USCGS:5.4N, 126.5E
		FNT	e	S_1	13 23 30.5	19		H13 02 59.0, h30 km
87	3	TRR	iP	V	10 09 40.0	¾	-	Dilatation
			ipP	V	09 55.0	1	-	
		MOO	iP	V	10 09 43.0	1	-	Dilatation
								USCGS:0.1N, 126.5E
								H10 01 17.4, h 25 km
88	3	TRR	iP	V	12 24 04.0	1	-	Dilatation
			ipP	V	24 21.5	¾	-	USCGS:7.4N, 126.5E
			iPcP	V	25 13.5	¾	+	H12 14 52.1, h90 km
		MOO	iP	E'	12 24 06.0	1	-	Dilatation
		FNT	eL	E'	12 43.9	32		
89	6	TRR	iP	V	06 07 19.5	1	+	Compression
		FNT	eSS	S_1	06 22 48.0	15		USCGS:13.7N, 93.7E
								H05 55 42.3, h 18 km
90	7	SAV	eP	V	11 10 14.0	1		
		TRR	iP	V	11 10 17.5	1	-	Dilatation
			iPP	V	12 46.5	1¼	-	
			ePKPPKP	V	39 24.0	1¼		
		MOO	iP	V	11 10 18.5	1	-	Dilatation
			iPP	V	12 48.5	1	-	
			i	V	19 18.5	1¼	+	
			iPKPPKP	V	39 23.0	1	+	
		FNT	iP	S	11 10 22.0	¾	+	H 11 01 06
			e	E'	10 32	1		△ 61°.4, h 0.10
			iS	E'	17 54	6	+	
			iS	S_1	17 54.5	8	-	
			iScS	E'	18 56	4	+	USCGS:19.3N, 145.3E
			e	S_1	21 47.5	27		H11 01 00.4, h680 km
			eSS	E'	22 28	11		
			eSSS	S_1	25 56.5	14		
			iSSS	E'	25 58	26	+	
			eL	E'	28.6	27		
			eL	S_1	29.1	28		
			M	E'	36.5	18		
			M	S_1	37.0	15		
91	9	FNT	e	E'	22 21 25	27		USCGS:5.8S, 146.4E
			(i)	E'	24 34	4	+	H22 07 35.6, h76 km
			eL	E'	27.3	26		
			M	E'	31.4	13		
92	10	TRR	iP	V	01 04 35.5	¾	-	Dilatation
		MOO	iP	V	01 04 38.5	1	-	Dilatation
								USCGS:6.5S, 129.4E
								H00 57 22.3, h202 km
93	Mar. 10	TRR	eP	V	08 55 10.5	1¼		USCGS:23.2N, 120.6E
								H08 44 00.1, h31 km
94	11	MOO	iP	V	07 25 48.5	1¼	+	Compression
			i	V	25 58.5	1	+	USCGS:13.9S, 172.1E
		TRR	eP	V	07 25 52.0	1¼		H07 18 56.7, h133 km
95	11	TRR	eP	V	19 28 31.0	1		USCGS:9.0N, 126.7E
			epP	V	28 40.5	1¼		H19 19 05.6, h25 km
		MOO	eP	V	19 28 34.0	1¼		
			ipP	V	28 45.0	1	+	
			i	V	29 41.0	1	+	
		FNT	eP	S	19 28 41.5	¾		H 19 19 19
			e	E'	29 05	1		△ 53°.9, h0.00
			eS	E'	36 13	10		
			esS	S_1	36 27.5	30		
			eSS	S_1	40 10.5	17		
			e(SSS)	E'	41 36	9		
			eL	E'	44.2	45		
			eL	S_1	47.2	43		
			M	E'	49.5	13		
			M	S_1	52.4	20		
96	11	TRR	eP	V	20 08 07.0	1¼		USCGS:8.7N, 126.3E
		MOO	eP	V	20 08 10.0	1¼		H19 58 49.6, h171 km
97	12	MOO	iPKIKP	V	11 59 16.0	1	+	Compression
		TRR	ePKIKP	V	11 59 18.5	1		
		FNT	ePS	E'	12 11 08	9		USCGS:8.1N, 83.0 W
			eSS	E'	18 16	36		H11 40 12.8, h58 km
			eSS	S_1	18 20.0	22		
			eL	E'	38.5	25		
			eL	S_1	38.7	24		
98	13	MOO	eP	V	11 38 18.0	1		USCGS:2.9N, 128.8E
								H11 29 48.6, h152 km
99	15	MOO	iP	V	21 21 56.0	1	-	Dilatation
								USCGS:7.1S, 106.1E
								H21 13 04.1, h83 km
100	16	MOO	iP	V	15 31 52.0	1	-	Dilatation
		FNT	eP	S	15 31 57.5	½		
			eL	E'	40.2	24		USCGS:21.7S, 173.0E
			eL	S_1	43.4			H15 26 00.6, h216 km
101	16	MOO	iP	V	19 49 36.0	1¼	-	Dilatation
			epP	V	49 45.0	1		
			i	V	49 54.0	1½	-	
			i(PcP)	V	52 16.5	1	-	USCGS:10.8S, 165.7E
			e	V	54 25.0	1½		H19 42 39.2, h25 km
			e(ScP)	V	55 12.5	1½		
		FNT	e	E'	19 49 56	2		
			eS	E'	56 21	18		
			eL	E'	59.6	17		
			M	E'	20 03.5	18		
			eL	S_1	03.6	14		
102	17	MOO	iPKP$_1$	V	21 07 19.5	1	-	Dilatation
			iPKP$_2$	V	07 30.0	1½	+	
		FNT	ePKP$_1$	S	21 07 22.0			USCGS:10.6N, 43.7W
			iPKP$_2$	E'	07 30	2	+	H20 47 31.7, h25 km
			e	S_1	25 20.5	17		
			eSS	E'	29 53	19		
			e	S_1	30 57.0	35		
			eSSS	E'	35 15	23		
			e	E'	46 49	35		
			eG	E'	49.3	63		
			M	S_1	22 01.6	24		
			M	E'	12.4	17		
			eW$_2$	E'	17.7	50		
103	18	MOO	iP	V	03 12 42.5	1	+	Compression
		TRR	eP	V	12 44.5	1		
		FNT	eS	E'	03 17 55	7		USCGS:16.5S, 168.2E
			eSS	E'	19 46	7		H03 06 18.8, h14 km
			eL	E'	21.3	28		
			eL	S_1	22.6	17		
			M	E'	24.4	17		
			M	S_1	26.9	12		

International Seismological Centre

No.	Date '62	Stn.	Phase	Cpt.	Time (GMT) h m s	Per A. s		Remarks
104	Mar. 19	FNT	eP	SE'	04 52 57.0	1, 6		H 04 49 25
			eS	E'	55 46	11		△ 15°.1
			e	S_1	55 54.5	11		
			iSS	E'	56 00	3	-	USCGS: 57.3S, 147.2E
			eL	E'	56.4	12		H04 49 31.7, h25 km
			M	E'	58.0	8		
			M	S_1	58.4	8		
		MOO	iP	V	04 53 03.5	1¼	+	Compression
			i(PP)	V	53 12.0	1¼	+	
		TRR	iP	V	04 53 11.5	1¼	+	Compression
105	19	TRR	iP	V	06 02 56.5	1	-	Dilatation
			iPcP	V	04 26.5	¾	+	
		MOO	iP	V	06 02 59.0	1	-	Dilatation
			i	V	03 32.0	1	+	
			iPcP	V	04 27.0	1	-	
		FNT	eP	S	06 03 02.0	½		H 05 54 35
			iS	E'	09 48	5	-	△ 47°.0, h 0.005
			iS	S_1	09 49.0	6	+	USCGS: 0.3N, 123.5E
			eSS	S_1E'	13 22.5	12		H05 54 24.4, h53 km
106	21	FNT	eL	S_1	02 45.2	13		USCGS: 22.2S, 170.4E
								H02 30 18.5, h25 km
107	21	FNT	iS	E'	23 11 48	8	+	USCGS: 5.9S, 119.0E
								H22 57 51.2, h631 km
108	22	TRR	eP	V	00 27 24.5	1		
		MOO	iP	V	00 27 28.0	1	-	Dilatation
			iPcP	V	28 47.5	1	-	
		FNT	iS	S_1E'	00 33 42.0	16	+	USCGS: 5.9S, 112.9E
			eSS	E'	37 21	10		H00 19 43.1, h611 km
			eSS	S_1	37 30.0	7		
			e	S_1	39 49.0	15		
			eL	S_1	44.0	17		
109	22	MOO	eP	V	01 50 21.0	¾		USCGS: 18.9S, 173.1E
								H01 50 52.4, h60 km
110	22	MOO	eP	V	12 11 25.0	1		
		FNT	iP	V	12 11 27.5	1½	-	Dilatation
								USCGS: 16.3S, 167.5E
								H12 05 03.2, h45 km
111	22	MOO	iP	V	15 20 36.0	1	+	Compression
			iPP	V	22 18.5	1½	+	USCGS: 3.2S, 142.3E
			eLr	V	33.4	13		H15 13 03.9, h25 km
			M	V	39.0	9		
		FNT	eP	V	15 20 39.0	1		H 15 13 18
			eS	S_1	26 32.0	11		△ 38°.5
			eL	S_1	32.7	35		
			M	S_1	39.5	10		
		TRR	M	V	15 38.7	10		
112	22	MOO	eP	V	16 24 08.5	1½		USCGS: 2.1S, 139.3E
		FNT	eP	V	16 24 12.5			H16 16 26.4, h44 km
113	23	FNT	eP	V	15 14 37.5	¾		USCGS: 22.8S, 179.4E
								H15 08 45.5, h608 km
114	24	MOO	iP	V	13 06 31.5	1	-	Dilatation
			ipP	V	06 57.5	1	+	
			isP	V	07 10.0	1¼	+	
			i	V	11 10.5	1¼	-	
			iScP	V	12 32.0	1¼	+	
		FNT	iP	V	13 06 35.5	¾	-	Dilatation
			epP	V	07.01.0	½		H 12 59 32
			e	S_1	08 35.5	8		△ 37°.2, h0.01
			eS	S_1	12 14.5	19		
			iScP	V	12 36.0	¾	+	
			e	S_1	13 32.0	22		USCGS: 5.7S, 145.0E
			eL	S_1	18.1			H12 59 30.9, h111 km
			M	S_1	24.2	12		

No.	Date '62	Stn.	Phase	Cpt.	Time (GMT) h m s	Per A. s		Remarks
115	Mar. 25	FNT	eP	V	12 43 42.5	¼		Local
			eP	S	43 44.0	½		
			eS	V	43 54.5	¼		
116	25	FNT	iP	V	11 57 05.5	1		USCGS: 49.5S, 8.7W
								H11 44 27.7, h25 km
117	25	FNT	iP	V	14 29 14.5	¾	+	Compression
			e	V	29 35.0	¾		
118	26	MOO	eP	V	15 27 46.0	1		USCGS: 5.5S, 148.1E
		FNT	eP	V	15 27 47.0	¼		H15 20 41.8, h122 km
119	29	FNT	iP	V	16 45 36.5	¾	+	Compression
		MOO	iP	V	16 45 40.0	1¼	+	Compression
								USCGS: 40.6S, 73.3W
								H16 32 43.6, h32 km
120	26	FNT	iP	V	19 29 53.5	¼	-	Dilatation
			Tmax	V	43 28.0	½		
121	27	MOO	eP	V	05 30 13.0	1		
		FNT	iP	V	05 30 16.0	1	-	Dilatation
			iPP	V	31 55.5	½	-	USCGS: 3.9S, 129.1E
								H05 22 32.0, h96 km
122	27	FNT	iP	V	14 56 44.5	¾	-	Dilatation
								USCGS: 20.3S, 177.6W
								H14 50 15.2, h510 km
123	27	MOO	eP	V	17 55 31.0	¼		Regional
			eS	V	56 47.0	1		
			i	V	56 57.0	1	+	
		FNT	iP	V	17 55 37.5	¼	-	Dilatation
			eS	V	56 54.5	¼		
			e	V	57 00.0	¾		
124	28	FNT	iP	V	06 22 47.0	½	-	Dilatation
								USCGS: 28.7S, 179.9W
								H06 17 10.2, h375 km
125	28	FNT	iP	V	14 18 36.0	¾	+	Compression
			i	V	18 48.5	¾	-	USCGS: 32.7S, 178.0W
								H14 12 45.8, h104 km
126	29	MOO	eP	V	20 17 22.5	1		USCGS: 0.5S, 127.4E
		FNT	eP	V	20 17 27.5	1	+	H20 09 01.9, h25 km
			eL	S_1	34.7	29		
			M	S_1	39.6	17		
127	30	FNT	iP	V	14 29 22.5	¾	+	Compression
		MOO	i	V	14 29 23.0	¾	+	USCGS: 28.7S, 179.0W
								H14 23 33.6, h292 km
128	31	FNT	eP	V	07 54 12.5	½		USCGS: 9.8N, 121.6E
								H07 44 36.0, h156 km
129	31	FNT	iP	V	12 14 18.0	½	-	Dilatation
			i	V	14 35.0	1	+	

Seismograms read by
Lesley Read.

International Seismological Centre

TASMANIA UNIVERSITY SEISMIC NET

STATION	CODE	LATITUDE	LONGITUDE	ALTITUDE (metres)	FOUNDATION
Tasmania University	TAU	42°54'35.74"S	147°19'13.54"E	132.2	Dolerite
Fort Nelson	FNT	42°55'35.39"S	147°21'13.02"E	184.1	Dolerite
Moorlands	MOO	42°26'33.31"S	147°11'29.26"E	324.6	Top contact of dolerite sill
Tarraleah	TRR	42°18'16.34"S	146°27'03.51"E	579.1	Basalt
Savannah	SAV	41°43'17.59"S	147°11'22.41"E	179.8	Dolerite

	INTER-STATION DISTANCE (metres)	BEARING	BACK BEARING
TAU – FNT	3276	124°11'38"	304°10'17"
TAU – MOO	52981	348°26'47"	168°32'02"
TAU – TRR	98047	313°00'39"	133°35'58"
TAU – SAV	132445	355°16'59"	175°22'17"
FNT – MOO	55375	346°03'28"	166°10'04"
FNT – TRR	101285	312°42'15"	133°18'55"
FNT – SAV	134526	354°10'30"	174°17'08"
MOO – TRR	62891	104°21'43"	283°51'46"
MOO – SAV	80089	359°53'12"	179°53'17"
TRR – SAV	89086	43°27'34"	223°07'44"

INSTRUMENTS AND NOTATION

USCGS standard set (three Benioff short period (N,E,Z) and three Sprengnether long period (N_1,E_1,Z_1), seismometers) is installed at TAU.

Other instruments include Willmore Mk I (V), Willmore Mk II (V_{II}), Newstead-Watt (S,S_1,W,W_1) and Sprengnether horizontal,(Series H), currently operating as indicated within.

International Seismological Centre

JOINT DIRECTORS

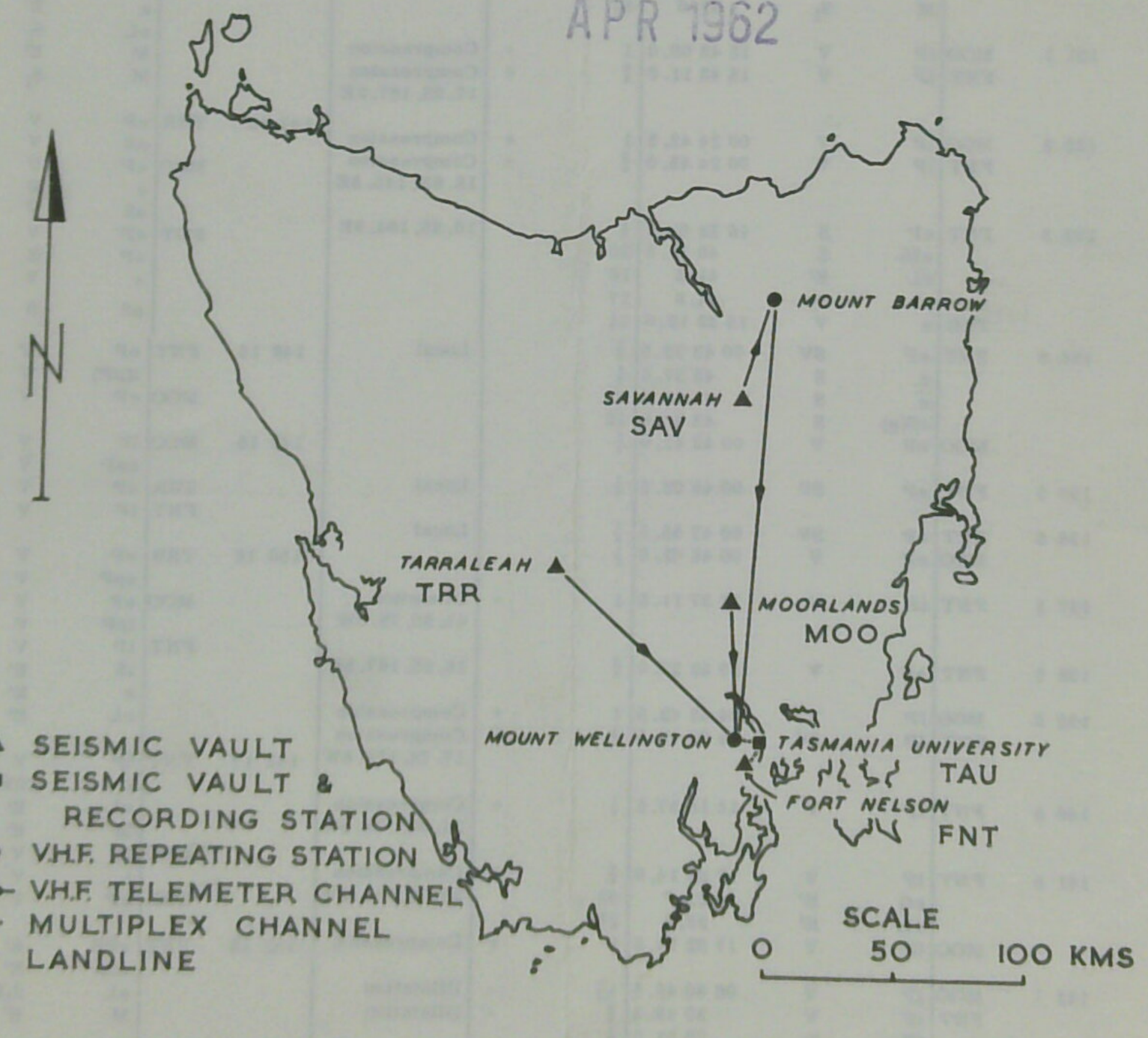
Professor S. Warren Carey
Professor Gordon H. Newstead

Box 252c, G. P. O.,
Hobart, Tasmania.

TASMANIA UNIVERSITY SEISMIC NET

BULLETIN

APR 1962



Station data and instrument notation
are given on back page.

PROVISIONAL BULLETIN

APRIL 1962

Instruments

FNT : V, S, S_1, E'
MOO : V
TRR : V

Epicentre locations quoted are those given by USCGS.

No.	Date	Stn.	Phase	Comp.	Time GMT h m s	Per	A_N	A_E	A_Z	Remarks
130	1	MOO	iP	V	12 18 25.5	1			-	Dilatation
			iScP	V	24 20.0	1¼			-	
		FNT	iP	V	12 18 30.0	1			-	Dilatation
			e	E'	18 37					
			iS	E'	24 22	5		+		H 12 11 11
			e	S_1	24 50.0	17				Δ 39°.1
			iSSS	E'	27 35	12		+		h 0.01
			eL	E'	29.8	22				
			eL	S_1	33.4	18				4.2S, 143.6E
			M	E'	34.6	14				
			M	S_1	37.0	12				
131	1	MOO	iP	V	15 43 09.0	1			+	Compression
		FNT	iP	V	15 43 11.0	¾			+	Compression
										17.9S, 167.2E
132	2	MOO	iP	V	00 24 42.5	1			+	Compression
		FNT	iP	V	00 24 45.0	¾			+	Compression
										18.6N, 145.5E
133	3	FNT	eP	S	16 32 02.0	½				10.6S, 164.9E
			eSS	S	40 11.5	20				
			eL	E'	41.8	18				
			eL	S_1	44.8	17				
		TRR	e	V	16 32 12.0	1¼				
134	5	FNT	eP	SV	00 43 33.5	¼				Local
			e	S	43 37.5	½				
			e	S	43 53.5	1/3				
			eS(g)	S	43 56.0	1/3				
		MOO	eP	V	00 43 41.0	½				
135	5	FNT	eP	SV	00 45 02.5	¼				Local
136	5	FNT	eP	SV	00 47 55.5	¼				Local
		MOO	eP	V	00 48 02.0	½				
137	5	FNT	iP	V	12 37 11.5	1			-	Dilatation
										44.9S, 75.3W
138	5	FNT	eP	V	19 52 27.0	¾				16.2S, 167.5E
139	6	MOO	iP	V	04 32 42.5	1			+	Compression
		FNT	iP	SV	04 32 43.5	¾			+	Compression
										17.7S, 178.8W
140	6	FNT	iP	V	14 18 57.5	½			+	Compression
										24.0S, 179.5W
141	6	FNT	iP	V	17 02 14.0	¾			+	Compression
			eG	E'	22.7	32				26.7S, 113.2W
			eL	E'	26.3	25				
		MOO	iP	V	17 02 17.0	1			+	Compression
142	7	MOO	iP	V	06 30 46.5	1½			-	Dilatation
		FNT	iP	V	30 49.5	¾			-	Dilatation
			iP	S	30 51.5	½		-		
			e(S)	E'	38 27	8				10.0N, 14.4E
			e	E'	43 09	17				
			e	E'	46 36	24				
			eL	E'	50.7	15				
			M	E'	51.5	14				

No.	Date	Stn.	Phase	Comp.	Time GMT h m s	Per A_N
143	8	FNT	eP	V	05 22 17.0	½
144	9	MOO	iP	V	09 01 52.0	¾
			ePP	V	03 20.0	1½
		FNT	iP	V	09 01 55.0	¾
			i	V	03 21.0	¾
145	10	MOO	iP	V	17 14 27.5	1
		FNT	iP	V	17 14 28.0	1
		TRR	eP	V	17 14 31.0	1
146	12	TRR	eP	V	01 04 54.5	1
		MOO	eP	V	01 04 55.5	1
		FNT	iP	V	01 04 56.5	¾
			ipP	V	05 07.0	¾
			e	E'	14 05	13
			iS	E'	14 58	21
			eSKS	S_1	15 07.0	16
			eSS	E'	20 24	25
			eSS	S_1	20 34.0	18
			eSSS	S_1	23 58.0	19
			e	E'	25 19	26
			eL	S_1	29.3	21
			M	E'	35.4	22
			M	S_1	36.5	20
147	12	TRR	eP	V	15 21 12.5	1/3
			eS	V	21 30.5	1/3
		MOO	eP	V	15 21 23.0	¼
			e	V	21 44.0	¾
			eS	V	21 49.0	¾
		FNT	eP	V	15 21 27.5	¼
			eP	S	21 28.5	½
			e	V	21 45.0	½
			eS	S	22 00.5	¼
148	15	FNT	eP	V	22 43 18.0	½
			i(pP)	V	43 34.0	1
		MOO	eP	V	22 43 20.5	1
149	16	MOO	iP	V	11 41 52.5	1
			esP	V	42 15.5	¾
		TRR	eP	V	11 41 53.5	¼
		FNT	iP	V	11 41 55.0	¾
150	16	TRR	eP	V	13 31 25.5	1
			epP	V	32 08.0	1
		MOO	eP	V	13 31 26.0	1
			ipP	V	32 08.0	1
		FNT	iP	V	13 31 28.5	1
			iS	E'	40 47	6
			e	E'	50 32	29
			eL	E'	54.7	
151	17	FNT	iP	V	17 47 30.0	¾
			i	SV	47 33.5	¾
			eL	E'	51.2	
			M	E'	53.4	20
		MOO	iP	V	17 47 34.5	1
			i	V	47 38.5	1
		TRR	eP	V	17 47 40.0	¾
152	18	FNT	ePS	E'	19 43 54	6
			eSS	E'	50 06	28
			eL	S_1E'	07.1	26
			M	E'	17.8	18
153	19	FNT	eL	E'	22 28.9	19
154	20	FNT	ePKP	E'	06 07 22	1
			iPKS	E'	11 00	4
			eSSS	E'	33 49	31
			e	E'	45 22	40
			eL	E'	07 04.6	31

International Seismological Centre

SEP 211962

A_E	A_Z	Remarks	No.	Date	Stn.	Phase	Comp.	Time GMT H m s	Per	A_N	A_E	A_Z	Remarks
		20.3S, 175.7W	155	21	FNT	iP	V	07 52 12.0	½			+	Compression
	+	Compression											23.7S, 180.0
			156	21	FNT	iP	V	14 28 41.0	¾			-	4.4S, 151.2E
	+	Compression											Dilatation
	+	8.6S, 124.1E	157	21	FNT	iP	V	21 25 04.0	1			+	Compression
						eL	E'	38.9	13				6.5S, 144.6E
	-	Dilatation											
	-	Dilatation	158	22	FNT	iP	V	04 42 08.5	¾			-	Dilatation
		16.4S, 175.3W											44.3S, 70.6W
			159	22	FNT	iP	V	16 09 24.5	½			+	Compression
													21.1S, 178.7W
	-	Dilatation											
	-		160	22	FNT	eP	V	19 27 00.5	¾				32.1N, 130.7E
		H 00 52 48											
+		Δ 80°.3	161	23	FNT	iP	SV	06 10 42.0	1			+	Compression
		h 0.00				eP	E'	10 45	1				
						e	E'	20 44	19				42.9N, 143.4E
		38.2N, 142.3E				e	S_1	20 58.5	15				
						eSS	E'	26 49	15				
						eG	E'	32.3	43				
						eL	S_1	38.6	38				
						M	E'	40.7	25				
						M	S_1	42.5	22				
		Local	162	23	FNT	eP	V	21 13 27.5	¾				5.9S, 148.4E
			163	24	FNT	iP	V	00 52 10.5	¾			+	Compression
						eT	V	01 06 10.0	¾				
						Tmax	V	06 46.5	¾				
			164	24	FNT	eP	V	11 54 32.0					Local
						eS	SV	54 42.5	½				
			165	25	FNT	eS	E'	16 09 32	16				38.4N, 142.5E
		56.6S, 26.2W				eL	E'	24.8	20				
+													
			166	25	FNT	iP	SV	20 02 15.0	½			+	Compression
													38.4N, 142.7E
	-	Dilataion											
		10.5S, 161.6E	167	26	FNT	iP	SV	07 32 58.0	½	-		+	Compression
													17.8S, 179.1W
	-	Dilatation											
			168	26	FNT	eP	V	19 46 50.0	¾				
		30.6N, 140.6E				eT	V	20 00 57.5	½				
						Tmax	V	01 37.0	½				
	-		169	28	FNT	iP	V	07 45 03.0	½			+	2.6S, 139.3E
	-	Dilatation											
+		H 13 20 08	170	29	FNT	iP	V	15 17 08.5	1			+	Compression
		Δ 74°.2				ipP	V	17 32.5	¾			-	12.4S, 166.5E
		h 0.02											
			171	30	FNT	iP	V	02 38 41.5	1			-	Dilatation
	-	Dilatation											38.8N, 140.9E
	-												
		42.6S, 174.0E	172	30	FNT	iP	V	16 24 21.0	¾			-	Dilatation
						eSS	S_1	33 36.0	21				
	-	Dilatation				eL	S_1E'	36.6	18				17.9S, 176.1W
	+					M	S_1	37.6	14				
						M	E'	38.6	16				
		10.0S, 79.0W	173	30	FNT	iP	V	18 38 30.0	¾			+	Compression
						epP	V	39 03.5	¾				18.0S, 176.4W

15.8S, 168.0E

20.6N, 72.2W

Seismograms read by
Lesley Read.

International Seismological Centre

SEP 2 1982

TASMANIA UNIVERSITY SEISMIC NET

STATION	CODE	LATITUDE	LONGITUDE	ALTITUDE (metres)	FOUNDATION
Tasmania University	TAU	42°54'35.74"S	147°19'13.54"E	132.2	Dolerite
Fort Nelson	FNT	42°55'35.39"S	147°21'13.02"E	184.1	Dolerite
Moorlands	MOO	42°26'33.31"S	147°11'29.26"E	324.6	Top contact of dolerite sill
Tarraleah	TRR	42°18'16.34"S	146°27'03.51"E	579.1	Basalt
Savannah	SAV	41°43'17.59"S	147°11'22.41"E	179.8	Dolerite

INTER-STATION	DISTANCE (metres)	BEARING	BACK BEARING
TAU – FNT	3276	124°11'38"	304°10'17"
TAU – MOO	52981	348°26'47"	168°32'02"
TAU – TRR	98047	313°00'39"	133°35'58"
TAU – SAV	132445	355°16'59"	175°22'17"
FNT – MOO	55375	346°03'28"	166°10'04"
FNT – TRR	101285	312°42'15"	133°18'55"
FNT – SAV	134526	354°10'30"	174°17'08"
MOO – TRR	62891	104°21'43"	283°51'46"
MOO – SAV	80089	359°53'12"	179°53'17"
TRR – SAV	89086	43°27'34"	223°07'44"

INSTRUMENTS AND NOTATION

USCGS standard set (three Benioff short period (N,E,Z), and three Sprengnether long period (N_1,E_1,Z_1), seismometers) is installed at TAU.

Other instruments include Willmore Mk I (V), Willmore Mk II (V_{II}), Newstead-Watt (S,S_1,W,W_1) and Sprengnether horizontal,(Series H), currently operating as indicated within.

OCT 171962

International Seismological Centre

PROVISIONAL BULLETIN

May 1962

nstruments:
TAU : N, E, Z, N_1, E_1, Z_1 (22S - 1st only).
TNT : E' (1st - 25th only), S, S_1, V.
MOO : V
TRR : V

Epicentre locations quoted are those given by USCGS.

No.	Date	Stn	Phase	Comp	Time GMT h m s	Per	A_N	A_E	A_Z	Remarks
174	1	TRR	eP	V	10 01 16.0	s				5.8S, 125.5E
		FNT	iP	V	10 01 22.5	½		-		Dilatation
175	3	FNT	iP	V	03 46 45.5	¾		-		Dilatation 60.0S, 32.9W
176	5	FNT	eP	V	11 23 46.0	¾				34.2N, 139.2E
177	5	FNT	iP	V	23 12 08.0	1		+		Compression 31.6S, 176.7W
178	6	FNT	eP	V	12 15 02.0	¾				20.8S, 178.7W
179	6	FNT	iP	V	15 49 08.0	½		-		Dilatation
180	6	FNT	iP	V	19 12 06.5	¾		-		Dilatation
			eP	E'	12 09	3				
			iS	E'	21 54	7	+			60.0S, 32.8W
			iSKS	E'	22 16	6	+			
			e	E'	31 44	22				H 19 00 14
			i(PKKP)	V	31 51.0	¾		-		Δ 77°.4
			eL	E'	38.7	22				
			M	E'	41.8	19				
181	7	FNT	eP	V	08 18 03.5	1				19.3N, 145.4E
182	7	FNT	eP	V	13 03 05.0	¾				32.0S, 176.5W
			epP	V	03 16.5	¾				
183	7	FNT	iP	V	17 52 42.0	¾		+		Compression
			e	E'	18 01 50	14				
			eSS	E'	09 16	21				45.3N, 146.7E
			eL	E'	15.9	31				
			M	E'	19.4	28				
184	7	FNT	iP	V	19 15 29.5	1		+		Compression
			eP	S	15 30.5	¾				59.5S, 25.6W
185	8	FNT	iP	V	08 04 18.0	1		-		Dilatation 17.9S, 177.7W
186	10	FNT	iP	V	00 31 27.0	¾		-		Dilatation
			iP	E'	31 28	3	-			
			eP	S	31 29.5	¾				H 00 27 13
			i	E'	31 34	5	-			Δ 18°.4
			(e)	S	34 38.5	1				
			e	V	34 40.0	1				41.8S, 171.6E
			eS	S	34 47.5	1				
			i	E'	34 55	7	+			
			eL	E'S_1	35.5	16				
			M	E'	37.1	13				
			iT	V	46 12.5	¾		+		
			Tmax	V	49 20.5	½				
187	10	FNT	eP	V	04 35 45.0	¾				Aftershock
			e	V	36 36.5	¾				of no. 186
			(eS)	V	38 49.5	¾				
			eL	E'	40.5	19				
			M	E'	42.2	12				
			eT	V	48 18.5	½				
			Tmax	V	48 33.5	½				
188	10	FNT	iP	V	07 19 44.5	½		-		Dilatation
			e	V	19 56.0	¾				
			i	V	20 06.0	½		+		
189	10	FNT	eT	V	10 39 49.0	¾				
			Tmax	V	40 16.5	½				
190	10	FNT	eT	V	11 32 32.5	½				
			Tmax	V	32 43.5	½				
191	10	FNT	eP	V	17 47 39.0	½				
			i	V	47 43.5	1		-		
192	11	FNT	eL	E'	05 12.7	15				6.4S, 143.6E
193	11	TRR	eP	V	07 12 49.0	1½				6.6S, 147.7E
			i	V	12 55.0	¾		-		
		MOO	eP	V	07 12 49.5	1				
			i	V	12 56.5	1		+		
			i	V	13 07.0	¾		-		
		FNT	eP	V	07 12 54.0	1				
194	11	MOO	iP	V	12 12 42.0	1		+		Compression
		FNT	iP	V	12 12 43.5	1		+		Compression
		TRR	iP	V	12 12 44.0	1		+		Compression 14.3S, 170.4E
195	11	MOO	eP	V	13 41 46.5	1½				
		FNT	iP	V	13 41 47.5	1		+		Compression
			epP	V	42 13.5	¾				28.5S, 177.6W
196	11	FNT	eSKS	E'	14 37 35	11				17.0N, 99.7W
			eSKKS	E'	38 54	17				
			iPKKP	V	41 05.0	¾		-		
			iPS	E'	41 42	25	+			
			e	V	42 26.5	1				
			iPPS	E'	43 02	21	-			
			eSS	E'	48 16	18				
			eL	E'	15 07.0	29				
			M	E'	15.9	16				
			eW_2	E'	16 16.6	25				
		TRR	ePKKP	V	14 14 00.5	¾				
		MOO	ePKKP	V	14 41 05.0	1				
197	12	MOO	iP	V	22 10 15.5	1		-		Dilatation
			e	V	10 27.5	1				
		FNT	iP	SV	22 10 16.5	¾	-	-		Dilatation
			i	V	10 31.0	1		-		18.0S, 178.0W
			i	V	10 53.0	¾		-		
		TRR	iP	V	22 10 18.5	1		-		Dilatation
			e	V	10 32.5	¾				
198	13	MOO	eP	V	10 54 19.0	1				3.2S, 129.0E
		FNT	eP	V	10 54 24.0	¾				
199	14	FNT	iP	V	10 41 17.0	¾		-		Dilatation
			e	S	41 22.0	1				9.0S, 118.7E
200	15	TRR	eP	V	05 31 08.0	1				7.3S, 128.3E
			ePP	V	32 42.5	1½				
			eLr	V	43.7	5				
			M	V	48.8	9				
		MOO	iP	V	05 31 12.0	1		+		Compression
			iPcP	V	33 21.0	1		+		
			eLr	V	43.6	6				
			M	V	49.9	10				Compression
		FNT	iP	SV	05 31 15.5	1		+		H 05 23 48
			e	E'	31 21	1				Δ 39°.3
			ePP	V	32 47.0	1½				
			ePP	E'	32 52	10				
			iS	E'	37 14	16	-			
			iS	SS_1	37 15.0	12	-			
			i	E'	37 54	16	+			
			iSS	E'	39 51	10	-			
			eLq	E'	41.8	43				
			eLq	SS_1	42.9	40				
			eLr	V	43.9	5				
			M	S_1	45.3	30				
			M	E'	45.7	21				
			eW_2	E'	07 43.5	27				
201	15	TRR	eP	V	06 50 27.5	1½				7.2S, 128.3E
		MOO	iP	V	06 50 30.5	1		+		Compression
		FNT	eP	V	06 50 32.0	1½				
			eS	S	50 33.5	¾				
202	15	MOO	eP	V	10 02 50.0	1				7.2S, 128.2E
		FNT	eP	V	10 02 53.5	¾				
203	15	TRR	eP	V	17 01 27.5	1½				7.4S, 128.0E
		MOO	eP	V	17 01 31.0	1				
		FNT	eP	V	17 01 34.0	1				
			eL	E'	14.2	24				
			M	E'	17.4	9				
204	16	FNT	eP	V	14 43 04.5	¾				7.3S, 128.1E
205	16	MOO	eP	V	21 44 08.0	1				35.6S, 137.7E
			eSg	V	47 08.5	¾				
		TRR	(e)	V	21 44 08.5	½				
			eSg	V	47 02.5	¾				
		FNT	iP	V	21 44 08.5	½		-		Dilatation
			eSg	V	47 20.0	¾				
206	16	MOO	iP	V	23 11 43.5	1		+		Compression
		FNT	iP	V	23 11 45.0	¾		+		Compression
		TRR	eP	V	23 11 45.5	1½				15.1S, 167.6E
207	17	FNT	iP	V	02 24 10.5	½		+		Compression
			eL	E'	28.2	16				
			M	E'	29.0	14				41.9S, 171.5E
			eT	V	39 35.0	½				
			Tmax	V	41 47.0	½				
		MOO	iP	V	02 24 13.0	1		+		Compression
			eT	V	40 10.0	1				
			Tmax	V	42 03.0	¾				
		TRR	iP	V	02 24 22.5	1½				
			eT	V	40 18.0	½				
			Tmax	V	42 47.5	½		+		Compression
208	17	FNT	iP	V	16 12 55.5	¾		-		Dilatation
		MOO	iP	V	16 12 58.0	1		-		Dilatation
		TRR	eP	V	16 12 59.0	1				55.8S, 27.0W
209	18	FNT	iP	V	07 18 56.0	½		+		Compression 29.3S, 178.4W
210	19	FNT	e	E'	15 25 22	18				17.2N, 99.5W
			ePS	E'	28 10	18				
			eSS	E'	34 58	27				
			eL	E'	51.4	19				
			eW_2	E'	17 02.1	25				
211	19	FNT	eT	V	21 36 41.0	⅓				
		TRR	eT	V	21 37 10.0	½				
212	21	FNT	iP	V	02 04 19.5	¾		-		Dilatation 19.4N, 145.6E
213	21	TRR	iP	V	12 16 00.0	1		-		Dilatation
			i	V	16 24.5	1		-		
		MOO	iP	V	12 16 02.0	1		-		Dilatation
		FNT	iP	V	12 16 04.0	1		-		Dilatation
			eP	S	16 06.5	½				
			eP	E'	16 08	1				37.3N, 96.0E
			e(PKKP)	V	33 58.0	1				
			eL	E'	47.2	26				
			M	E'	49.5	29				
214	21	TRR	eP	V	12 49 26.0	1				37.0N, 95.9E
		FNT	iP	V	12 49 30.0	1		-		Dilatation
215	21	TRR	eP	V	13 28 48.0	¾				37.0N, 95.7E
		FNT	iP	V	13 28 52.0	1		+		Compression
216	21	FNT	iP	V	21 05 51.5	¼		+		Compression
		TRR	i	V	21 06 02.5	¼		-		Local
217	21	MOO	iP	V	21 22 13.0	1		+		Compression
			ePP	V	23 38.0	2				
		FNT	iP	SE'V	21 22 13.0	½		+		Compression
			i	E'	22 26	3½	+			
			iPP	E'	23 37	4		+		20.0S, 177.5W
			iS	E'	27 48	10	+			
			e	E'	30 14	19				
			eL	E'	33.3	39				
			M	E'	39.6	14				
		TRR	iP	V	21 22 13.5	1		+		Compression
			ePP	V	23 41.0	2½				
218	22	FNT	eP	V	07 56 47.0	¾				10.2S, 161.5E
219	22	MOO	iP	V	08 13 16.5	2		-		Dilatation?
			ePcP	V	15 49.5	1				
		TRR	iP	V	08 13 18.5	2		+		Compression
		FNT	eP	V	08 13 18.5	1½				
			iP	SE'	13 19.5	1½	-	-		12.3S, 166.6E
			e	S	13 48.0	1				
			i	E'	13 55	4	+			
			eSS	E'	21 09	14				
			eL	E'	23.3	27				
			M	E'	30.7	13				
		TAU	iP	$NN_1EE_1ZZ_1$	08 13 19	1½	+	+	+	Compression
			ipP	NEZ	13 50	1½	+			
			i	E	15 42	2		-		H 08 06 42
			iPcP	Z	15 48	1½			+	Δ 34°.8
			iS	$N_1E_1Z_1$	18 37	14	-	+	+	h 0.02 ca
			iSSS	$N_1E_1Z_1$	21 24	10	+	+	-	
			iL	$N_1E_1Z_1$	23.0	37	-		-	
			M	$N_1E_1Z_1$	23.6	36				
220	22	MOO	iP	V	22 10 39.0	¾			-	Dilatation
			i	V	11 17.5	¾			+	
			iPP	V	12 05.5	1			+	
		TRR	iP	V	22 10 40.0	½			-	Dilatation
			iPP	V	12 03.0	1			-	
		FNT	iP	V	22 10 42.0	1			-	Dilatation
			eP	S	10 45.0	¾				
			iPP	V	12 05.5	1			-	5.5S, 152.0E
			e	S	12 08.5	¾				
			eL	E'	23.3	26				
			M	E'	30.1	15				
		TAU	iP	NEZ	22 10 42	1	-	-	-	Dilatation
			i	Z_1	10 55	5			-	
			iPP	Z	12 05	1			+	
			i	N_1	12 14	22	-			
			i	N	12 17	1	+			
			iS	N_1E_1	16 39	29	-			
			i	Z_1	16 52	15			-	
			i	N_1	18 02	28	-			
			e	E'	18 29	23				
			iL	E'	20.3	35		+		
			eL	N_1	21.4	43				
			iL	Z_1	21.9	22		-		
			M	E'	23.6	19				
			M	N_1	24.2	26				
			M	Z_1	25.4	24				
221	23	TAU	eP	EZ	07 00 06.9	1				
222	23	MOO	eP	V	08 24 56.0	1				25.4S, 179.3W
		FNT	iP	V	08 24 59.5	1			-	Dilatation
223	23	FNT	iP	V	10 27 54.5	½			+	Compression
			iPP	V	28 06.5	½			+	H 10 25 04
			iS	V	30 11.0	¾			-	Δ 11°.9
			eT	V	40 02.5	½				
			Tmax	V	40 42.0	½				
		TAU	eP	NEZ	10 27 55.3	¼				H 10 25 06.4
			iS	NEZ	30 11.1	1			+	Δ 11°.8
			eT	NEZ	40 09.2	½				
			Tmax	NEZ	40 48.7	¼				

International Seismological Centre

No.	Date	Stn	Phase	Comp	Time GMT h m s	Per s	A_N	A_E	A_Z	Remarks
224	23	TAU	eP	Z	20 52 37.2	¾				48.2S, 119.4E
			iS	N_1E_1	56 17	5	-			
			eL	Z_1	57.3	6				
		FNT	iP	V	20 52 39.5	¾			+	Compression
		MOO	eP	V	20 52 40.5	1				
225	23	TAU	iP	Z	21 08 41.7	1			-	Dilatation
			eS	N_1E_1	12 26	18				
			iL	Z_1	13.6	19			-	49.1S, 121.3E
		FNT	eP	V	21 08 42.5	1				
226	24	FNT	eP	V	02 18 48.5	1				5.4S, 151.9E
		TAU	eL	$N_1E_1Z_1$	02 29.1	28				
			M	Z_1	30.7	27				
			M	N_1E_1	31.6	19				
227	24	TAU	iP	NEZ	06 12 42.3	½			-	Dilatation
228	25	FNT	iP	V	04 28 00.0	¾			+	Compression
			i	V	28 11.5	¾			+	20.7S, 174.3W
			eL	E'	40.7	16				
			M	E'	44.4	14				
229	25	FNT	iP	V	14 25 49.5	1			-	Dilatation 30.9S, 177.2W
230	25	TAU	iP	NEZ	17 27 42.9	½	-	+	-	Dilatation
		FNT	iP	V	17 27 43.0	½			-	Dilatation
		TRR	eP	V	17 27 46.5	½				24.1S, 179.1E
231	26	FNT	iP	V	02 19 26.0	1			-	Dilatation
		TAU	iP	NEZ	02 19 27.5	1			-	Dilatation
		MOO	iP	V	02 19 27.5	1			-	Dilatation
		TRR	eP	V	02 19 31.0	1				19.7S, 178.0W
232	26	MOO	eP	V	06 48 31.5	1				
		TRR	iP	V	06 48 31.5	1			-	Dilatation
		TAU	iP	NZ	06 48 35.1	1	-		-	Dilatation
		FNT	iP	V	06 48 35.5	1			-	Dilatation
233	26	TRR	eP	V	09 58 14.5	1				
		MOO	iP	V	09 58 17.5	1¼			-	Dilatation
		TAU	iP	Z	09 58 20.2	1			-	Dilatation
			i	Z	58 53.1	1			+	
			e	E_1	10 07 12	55				
			eL	N_1E_1	09.7	29				
			M	N_1	11.3	23				
			M	E_1	11.9	21				
			eL	Z_1	12.6	14				
			M	Z_1	14.3	21				
		FNT	eP	V	09 58 21.0					
234	26	FNT	iP	V	13 03 43.0	1			+	Compression
		MOO	eP	V	13 03 45.0	1				43.2S, 75.6W
235	26	TAU	iP	EZ	19 55 21.5	¾			-	Dilatation
			i	Z	55 54.3	¾			+	6.7N, 94.6E
236	27	TRR	eP	V	11 36 31.5	¼				
		TAU	(eP)	Z	11 36 32.1	⅓				
			e	N	36 52.3	½				
			i	Z	37 28.0	1			-	
237	27	TAU	eSSS	N_1	14 53 37	25				41.4S, 80.6E
			eL	Z_1	56.2	30				
			eL	E_1	56.4	24				
238	28	TAU	eS	N_1	03 21 48	32				3.3S, 146.0E
			eSS	E_1	24 37	56				
			eL	$N_1E_1Z_1$	27.4	29				
			M	E_1	30.9	15				
			eL	Z_1	32.0	20				
			M	Z_1	34.0	20				
			M	N_1	39.6	17				
239	28	MOO	eP	V	10 21 28.5	1½				31.1N, 140.9E
		TRR	eP	V	10 21 28.5	1½				
		FNT	eP	V	10 21 31.0	1½				
240	29	TAU	iP	Z	04 14 23.3	½			+	Compression Quarry blast?
241	29	TAU	eL	$N_1E_1Z_1$	22 28.9	30				26.3S, 113.7W
			M	Z_1	30.4	22				
242	30	FNT	eP	V	17 04 15.0	½				18.9S, 177.9W
		TAU	eP	Z	17 04 15.1	½				
243	31	TRR	iP	V	06 38 34.5	1			+	Compression
			e(pP)	V	39 18.0	½				
			ePP	V	40 50.0	¾				
		MOO	iP	V	06 38 35.5	1			+	Compression
		FNT	eP	SV	06 38 38.5	1				
			ePP	V	40 53.0	½				22.1N, 142.6E
244	31	FNT	iP	V	08 43 37.5	¾			+	Compression
		MOO	eP	V	08 43 39.0	1				30.8S, 177.3W
245	31	FNT	eP	V	15 03 35.5	1				
246	31	FNT	iP	V	20 03 44.5	½			-	Dilatation
		TAU	iP	NZ	20 03 45.0	½			-	Dilatation
		TRR	eP	V	20 03 48.0	½				

Seismograms read by
Lesley Read.

International Seismological Centre

NOV 6 1962

PROVISIONAL BULLETIN

June 1962

Instruments:

TAU : N, E, Z, N_1, E_1, Z_1 (1 -7, 29, 30th. only), V.
FNT : V, S, S_1
MOO : V
TRR : V

Epicentre locations quoted are those given by USCGS.

No.	Date	Stn.	Phase	Comp.	Time GMT h m s	Per s	A_N	A_E	A_Z	Remarks
247	1	TRR	eP	V	04 19 15.5	¼				Local
		TAU	iP	NZ	04 19 23.7	½			-	Dilatation
			i	Z	19 27.9	¾			+	
			iS	NZ	19 40.3	½	-		+	
		FNT	iP	SV	04 19 24.0	½, ¾			-	Dilatation
			iS	S	19 41.0	¾	+			
		MOO	iP	V	04 19 24.0	½			-	Dilatation
			iS	V	19 41.0	¾			-	
248	2	TAU	eL	N_1E_1	05 57.9	17				3.5S, 145.3E
249	2	FNT	eP	V	17 26 56.5	1				29.8N, 130.6E
		TAU	iS	$N_1E_1Z_1$	36 22	21	-			
			eSS	N_1	41 45	27				
			eG	N_1E_1	45.8	49				
			eL	Z_1	48.1	24				
			M	E_1	56.8	21				
			M	N_1	57.1	23				
			M	Z_1	57.4	24				
250	3	MOO	iP	V	13 49 45.0	1			+	Compression
		FNT	eP	V	13 49 46.0	¾				6.4S, 148.1E
		TAU	eL	E_1	13 59.4	30				
251	3	FNT	iP	V	14 31 42.5	½			+	Compression
		TAU	iP	NEZ	14 31 42.6	¾			+	Compression
		TRR	eP	V	14 31 47.0	½				23.7S, 179.7W
252	3	TAU	eL	N_1Z_1	16 17.9	36				22.3N, 45.2W
			eL	E_1	22.2	28				
253	3	TAU	eL	N_1E_1	20 31.8	18				
254	5	TAU	iP	NEZ	16 51 03.8	1	-		+	Compression
			eL	N_1E_1	17 04.1	23				
			M	N_1E_1	05.3	23				7.1S, 129.2E
			eL	Z_1	05.6	18				
			M	Z_1	10.6	15				
		FNT	iP	V	16 51 04.0	1			+	Compression
255	6	FNT	eP	V	20 13 12.5	¾				28.1N, 139.8E
256	7	FNT	iP	V	16 50 14.5	1/6			-	Dilatation
			e(S)	V	50 22.5	1/8				Local
		TRR	eP	V	16 50 14.5	1/3				
			iS	V	50 21.0	¼			-	
257	8	FNT	iP	V	01 38 31.5	¾			+	Compression
			i	V	38 46.0	¾	-			
		TRR	eP	V	01 38 34.5	½				18.1S, 178.4W
			e	V	38 38.0	½				
258	8	FNT	iP	V	12 58 06.0	½				H12 55 27
			eS	V	13 00 02.0	½				Δ11°.1
			eT	V	10 19.5	1				
			Tmax	V	10 50.5	½				
259	8	FNT	eR	V	21 01 41.0	1				55.7S, 26.2W
		MOO	eP	V	21 01 43.0	1				
260	9	FNT	iP	V	06 11 27.0	½			+	Compression
										21.1S, 178.3E
261	10	FNT	eP	V	11 09 42.0	½				
			eT	V	22 50.5	½				
			Tmax	V	23 20.0	½				

No.	Date	Stn.	Phase	Comp.	Time GMT h m s	Per s	A_N	A_E	A_Z	Remarks
262	10	FNT	iP	V	13 33 43.0	½			+	Compression
			iS	V	36 07.0	1			-	H 13 30 38
			iT	V	46 15.5	½			-	Δ 13°.0
			Tmax	V	46 49.0	½				
		TRR	eT	V	13 46 49.5	⅓				
			Tmax	V	47 30.5	½				
		MOO	Tmax	V	13 47 25.5	½				
263	11	MOO	iP	V	04 41 39.5	1			-	Dilatation
			iScP	V	47 02.0	¾			-	
		FNT	iP	V	04 41 40.5	1			-	Dilatation
			eScP	V	47 02.5	¾				
		TRR	eP	V	04 41 43.0	1				19.6S, 177.7W
			iScP	V	47 03.0	¾			-	
264	11	TRR	ePKP	V	07 35 08.5	½				43.5N, 18.3E
		MOO	ePKP	V	07 35 12.5	½, ¾, ¾				
265	12	FNT	iP	V	13 52 08.0	¾			-	Dilatation
		TRR	eP	V	13 52 08.5	¾, ¾				13.2S, 167.2E
266	15	MOO	iP	V	12 02 46.0	1			+	Compression
		TRR	iP	V	12 02 48.5	½			+	Compression
		FNT	iP	V	12 02 48.5	1			+	Compression
		TAU	iP	V	12 02 48.5	½			+	Compression
										13.3S, 167.0E
267	15	TAU	iP	V	12 17 30.0	½			+	Compression
										18.4S, 176.7W
268	16	TRR	iP	V	06 35 52.0	½			-	Dilatation
		FNT	iP	V	06 35 58.0	1			-	Dilatation
										0.2S, 122.8E
269	18	TRR	iP	V	23 49 44.5	1			+	Compression
		MOO	iP	V	23 49 45.5	1			+	Compression
		TAU	iP	V	23 49 48.5	1			+	Compression
										4.8S, 151.8E
270	19	FNT	eP	V	15 53 02.0	1				17.0S, 172.5W
271	19	TAU	iP	V	16 45 50.5	½			+	Compression
		FNT	iP	V	16 45 51.0	¾			+	Compression
										20.9S, 177.8W
272	21	TAU	iP	V	08 45 39.5	½			+	Compression
		TRR	eP	V	08 45 43.5	¾				20.8S, 175.6W
273	22	TRR	iP	V	15 02 30.5	1			-	Dilatation
		MOO	iP	V	15 02 31.5	1			-	Dilatation
		TAU	eP	V	15 02 34.5	½				6.9S, 147.0E
274	23	TRR	iP	V	09 55 47.5	1¼			-	Dilatation
		MOO	iP	V	09 55 49.5	1¼			-	Dilatation
		TAU	iP	V	09 55 52.0	1			-	Dilatation
										25.7N, 128.5E
275	23	TRR	eP	V	10 09 08.0	1				19.1N, 121.4E
		MOO	eP	V	10 09 12.0	1				
		TAU	eP	V	10 09 12.0	¾				
276	24	TAU	iP	V	01 50 27.0	½			-	Dilatation
		TRR	eP	V	01 50 29.5	½				15.7S, 179.1W
277	24	TRR	iP	V	03 08 40.5	¾			-	Dilatation
		MOO	iP	V	03 08 41.0	1			-	Dilatation
		TAU	eP	V	03 08 46.5	½				6.8S, 146.8E
278	25	TAU	eP	V	01 37 50.0	½				20.8S, 179.2W
		TRR	eP	V	01 37 53.5	½				
279	25	TRR	eP	V	05 53 31.0	½				Local
		TAU	e	V	05 54 07.0	⅓				
280	25	TRR	iP	V	11 21 37.0	1¼			-	Dilatation
			isP	V	21 52.0	2			-	
		MOO	eP	V	11 21 38.0	1				
		TAU	iP	V	11 21 41.0	¾			-	Dilatation
			esP	V	21 55.5	2				

No.	Date	Stn.	Phase	Comp.	Time GMT h m s	Per s	A_N	A_E	A_Z	Remarks
281	25	TRR	e	V	14 04 09.5	¼				Local
		TAU	e	V	14 04 29.0	¼				
282	25	TRR	iP	V	19 26 06.5	½			+	Compression
			e(S)	V	26 18.5	⅓				Local
		TAU	e	V	19 26 34.5	½				
283	26	MOO	iP	V	10 01 28.0	1			-	Dilatation
		FNT	iP	V	10 01 29.0	¾			-	Dilatation
		TAU	iP	V	10 01 29.0	½			-	Dilatation
										7.1S, 149.6E
284	27	FNT	eP	V	03 37 05.0	1				6.1S, 148.8E
		TAU	iP	V	03 37 05.0	½			-	Dilatation
285	27	TAU	eP	V	08 24 01.0	½				30.0S, 177.7W
		MOO	eP	V	08 24 01.5	1				
286	27	FNT	eP	V	10 07 46.5	¼				Local
			eS	V	07 56.5	⅓				
		TAU	iP	V	10 07 47.0	¼			-	Dilatation
			eS	V	07 57.0	¼				
		TRR	(e)	V	10 07 55.0	¼				
			e	V	08 07.5	¼				
287	27	TAU	eT	V	14 19 17.0	½				
		FNT	eT	V	14 19 17.0	¾				
		TRR	eT	V	14 19 17.5	1				
288	28	TRR	iP	V	18 58 50.5	1			+	Compression
			iPcP	V	19 00 26.5	1			-	
		MOO	eP	V	18 58 55.5	1				0.2S, 124.3E
			iPcP	V	19 00 26.5	1			-	
		TAU	iP	V	18 58 55.5	1			+	Compression
			iPcP	V	19 00 27.0	¾			-	
289	29	TAU	eL	N_1E_1	14 09.8	22				7.9S, 127.3E
290	29	TAU	e(PS)	E_1	21 14 19	18				41.8S, 79.7E
			eL	N_1E_1	19.7	27				
291	30	TAU	iP	ZV	15 55 44.5	1½			-	Dilatation
292	30	TRR	(e)	V	19 40 40.0	½				16.5N, 122.0E
		TAU	e	V	19 40 41.0	½				
			e	Z	40 41.5	1				
			eS	N_1	48 57	14				
			eScS	E_1	50 21	21				
			eSS	N_1	53 04	23				
			eL	$N_1E_1Z_1$	57.2	50				

Seismograms read by
Lesley Read.

International Seismological Centre

PROVISIONAL BULLETIN

July, 1962

Instruments

TAU: N, E, Z, N_1, E_1, Z_1, V.
FNT: V (1-13 July only)
MOO: V
TRR: V
SAV: V (operating intermittently only)

Epicentre locations quoted are those given by U. S. C. G. S.

No.	Date	Stn.	Phase	Comp.	Time GMT h m s s	Per	A_N	A_E	A_Z	Remarks
293	1	MOO	iP	V	01 38 35.0 1				-	Dilatation
		TRR	iP	V	01 38 37.5 ¾				-	Dilatation
		TAU	iP	V	01 38 37.5 ¾				-	Dilatation
										14.1S, 167.2E
294	1	TAU	eL	E_1	13 58.1 19					15.7S, 172.6W
295	2	MOO	iP	V	08 39 33.0 ¾				+	Compression
			iPcP	V	42 00.0 1				-	
		TRR	eP	V	08 39 35.5 ½				+	Compression
			iPcP	V	42 00.5 ¾				-	
		TAU	iP	NEV	08 39 35.5 ½				+	Compression
			i	E	39 42.7 1		+			
			iPcP	V	42 00.5 ½				-	
			iS	$N_1E_1Z_1$	45 07 14		-	-		10.3S, 165.9E
			i(sS)	N_1E_1	45 40 14		-			
			eL	$N_1E_1Z_1$	47.9 28					
296	3	TAU	iS	N_1E_1	18 28 41 17			+		56.3S, 142.5W
			eSS	N_1E_1	32 43 21					
			iL	$N_1E_1Z_1$	34.4 30		-			
			M	E_1	36.0 20					
297	3	TAU	iS	N_1E_1	18 38 45 20		-	+		54.6S, 132.3W
			eSS	N_1	43 42 27					
			eL	$N_1E_1Z_1$	45.7 30					
			M	N_1E_1	46.6 25					
			M	Z_1	47.3 20					
298	5	TAU	iP	NEZV	12 12 41.8 ¾		-	+	-	Dilatation
		FNT	iP	V	12 12 42.0 1				-	Dilatation
		TRR	eP	V	12 12 50.0 ½					54.9S, 156.3E
299	5	TRR	eP	V	17 52 39.0 ¾					30.9N, 141.4E
		TAU	eP	ZV	17 52 39.4 ½				+	Compression
			eL	E_1	18 12.3 33					
			eL	N_1	16.2 19					
			M	N_1	22.0 21					
			M	E_1	25.4 19					
300	6	TAU	e	N_1	02 50 57 49					13.3N, 58.0E
			eL	E_1	56.5 26					
301	6	FNT	iP	V	09 52 05.5 ½				-	Dilatation
		TAU	iP	V	09 52 05.5 ½				-	Dilatation
			eL	N_1E_1	10 21.8 27					
302	6	TRR	ePP	V	23 23 31.0 ½					36.6N, 70.4E
		FNT	iPP	V	23 23 32.5 ¾				-	
		TAU	e	Z	23 22 21.3 1½					
			e	Z	23 16.0 2					
			ePP	V	23 32.5 ½					
			e	$N_1E_1Z_1$	23 44 7					continued
			e	Z_1	28 27					

No	Date	Stn.	Phase	Comp.	Time GMT h m s s	Per	A_N	A_E	A_Z	Remarks
302	6		iSKS	N_1E_1	23 29 37 28		+	-		
cont			iS	N_1E_1	30 45 45		+			
			esS	N_1E_1	32 10 27					
			iSP	Z_1	32 33 13				+	
			iSS	N_1E_1	38 21 19		-	+		
			i	Z_1	39 35 13				+	
			isSS	N_1E_1	39 52 21		-			
			eL	N_1E_1	49.0 48					
			M	N_1E_1	50.7 32					
			M	Z_1	55.2 24					
			eW_2	N_1E_1	24 49.6 84					
		MOO	e	V	23 23 34.5 ¾					
303	7	TAU	eSS	N_1E_1	06 44 35 19					51.3N, 178.6E
			eG	N_1	57.9 45					
			eL	E_1	07 02.5 24					
			M	$N_1E_1Z_1$	09.3 20					
304	7	FNT	(iP)	V	08 21 47.0 ¾				-	Dilatation
		TAU	eL	N_1E_1	08 32.6 21					
305	7	MOO	eP	V	11 54 45.0 1					7.3S, 128.3E
		FNT	eP	V	11 54 53.0 ¾					
		TAU	e	N_1	12 01 26 20					
			eSS	E_1	03 49 60					
			eL	$N_1E_1Z_1$	06.1 37					
			M	E_1	07.9 28					
			M	N_1	09.1 22					
306	8	TAU	eL	$N_1E_1Z_1$	04 11.1 19					51.5N, 178.5E
307	8	TAU	iP	EZ	04 16 31.5 1				+	Compression
			e	E_1	37 37 21					
			eL	N_1E_1	43.9 20					55.5S, 30.1W
			M	E_1	44.9 21					
			eL	Z_1	50.9 15					
			M	N_1Z_1	53.3 17					
308	9	FNT	eP	V	10 02 35.5 ½					
		TAU	iP	NEZV	10 02 35.7 ½		-		+	Compression
			i	E	02 39.8 ¾			+		H 09.58 18
			iS	NEZV	05 09.5 ½				-	Δ 13°.9
			eL	$N_1E_1Z_1$	05.7 15					
			iT	NEZV	16 13.0 ½				+	56.0S, 158.1E
			Tmax	V	16 45.5 ½					
		MOO	iP	V	10 02 44.5 ½				+	Compression
			i(S)	V	05 10.5 ¾				-	
		TRR	iP	V	10 02 50.0 ½				+	Compression
309	9	TAU	eS	E_1	14 09 39 15					
			e	N_1	15 04					
			eL	$N_1E_1Z_1$	17.4 25					
310	9	TAU	eS	E_1	14 36 05 16					
			e	N_1	41 15 24					
			eL	$N_1E_1Z_1$	43.6 25					
311	10	MOO	eP	V	05 18 20.5 1					20.8S, 178.7W
		TAU	iP	NEZV	05 18 20.7 ¾				-	Dilatation
312	10	FNT	iP	V	13 02 34.0 ½				+	Compression
		TAU	iP	ZV	13 02 34.2 ½				+	Compression
										22.3S, 177.2W
313	11	TRR	iP	V	12 50 28.0 1				+	Compression
		MOO	iP	V	12 50 30.0 1				+	Compression
		TAU	iP	NEZV	12 50 32.4 ¾				+	Compression
			eS	N_1	58 56 40					
			esS	E_1	59 16 40					H 12.40 10
			eSS	N_1E_1	13 02 42 23					Δ 62°.5
			eG	N_1E_1	06.1 62					h 0.00 ca
			eL	Z_1	09.7 48					
			M	E_1	10.0 43					11.9N, 122.1E
			M	N_1	12.1 33					
		FNT	iP	V	12 50 33.5 ¾				+	Compression
			i	V	50 51.5 1				-	

No.	Date	Stn.	Phase	Comp.	Time GMT h m s s	Per	A_N	A_E	A_Z	Remarks
314	11	TAU	eL	E_1	16 09.0 32					
			eL	Z_1	10.1 24					
315	11	TAU	eP	ZV	16 58 44.1 ¼					
		FNT	iP	V	16 58 44.5 ¾				+	Compression
			e	V	59 04.0 ¾					
		MOO	eP	V	16 58 45.0 ¾					31.9S, 178.5W
316	11	TAU	eL	N_1E_1	23 49.6 19					
317	12	TAU	eP	V	01 47 24.0 ¾					19.9S, 177.5W
318	12	FNT	eP	V	08 27 25.0 ¾					18.9N, 121.4E
		TAU	eP	V	08 27 25.0 ½					
319	12	FNT	iP	V	09 39 55.5 1				+	Compression
		TAU	iP	NEZV	09 39 56.3 1		-	-	+	Compression
										17.9S, 178.7W
320	12	TAU	eL	$N_1E_1Z_1$	11 45.7 25					
321	12	TAU	eSS	E_1	23 23 39 25					3.9S, 104.1W
			eL	$N_1E_1Z_1$	38.2 33					
322	13	TRR	eP	V	03 41 44.5 1					
		FNT	iP	V	03 41 49.0 ¾				+	Compression
		TAU	iP	NEZV	03 41 49.6 ¾				+	Compression
			ipP	Z	42 26.0 1				+	
			ePS	N_1E_1	50 06 40					10.2N, 121.7E
			eL	E_1	58.2 30					
			eL	N_1	59.2 40					
			M	E_1	04 03.6 24					
			M	N_1	04.6 28					
323	15	TAU	eP	ZV	12 45 09.7 ¾					
324	16	TAU	iP	NEZV	02 07 28.1 1		-	-	-	Dilatation
			iPP	V	07 35.0 ¾				-	
			eS	N_1E_1	09 20 25					H 02.05.04
			iL	$N_1E_1Z_1$	09.8 20		+	-	-	Δ 10°.0
			M	$N_1E_1Z_1$	10.3 20					
			eT	NEZV	16 14.5 ½					52.1S, 138.9E
			Tmax	V	17 57.0 ¼					
		MOO	iP	V	02 07 33.0 1				-	Dilatation
325	16	MOO	iP	V	09 32 25.0 1				-	Dilatation
			iPcP	V	34 58.5 1				-	
		TAU	iP	NEZV	09 32 26.4 1		+	+	-	Dilatation
			iPcP	ZV	34 59.2 ½				-	
			iSS	N_1E_1	40 25 30		+	-		13.0S, 167.2E
		TRR	e(P)	V	09 32 26.5 1					
326	16	TAU	eP	V	20 14 29.0 ½					19.9S, 175.7W
327	17	TAU	iP	ZV	05 44 49.8 ½				+	Compression
			iSS	N_1E_1	06 01 17 20		-	-		
			eL	N_1E_1	08.1 36					43.0S, 74.9W
		MOO	iP	V	05 44 54.0 1¼				+	Compression
328	17	TAU	iP	ZV	17 32 57.4 ½				+	Compression
			eSKS	N_1	43 29 17					
			eSS	N_1	49 17 30					43.1N, 144.5E
			eL	N_1E_1	57.1 46					
			M	N_1	18 02.6 28					
			M	E_1	03.4 22					
329	17	MOO	eP	V	23 18 55.0 ¾					7.8S, 148.1E
		TAU	eP	V	23 19 05.0 1					
			eL	E_1	30.5 20					
330	18	MOO	eP	V	01 28 20.5 1					4.3S, 152.9E
		TAU	iP	ZV	01 28 24.1 1				-	Dilatation
331	18	MOO	iP	V	06 01 23.5 1				+	Compression
		TAU	iP	EZV	06 01 26.4 1				+	Compression
			eL	E_1	15.2 29					9.6S, 119.8E
			eL	N_1	16.7 23					

No.	Date	Stn.	Phase	Comp.	Time GMT h m s s	Per	A_N	A_E	A_Z	Remarks
332	18	TAU	iP	V	14 48 39.0 ½				-	Dilatation
										21.5S, 175.8W
333	18	TAU	eL	E_1	10 37.8 23					15.3N, 148.1E
			eL	N_1	40.4 23					
334	18	TAU	eL	N_1E_1	16 49.2 16					
335	19	TAU	iP	NEZV	00 59 30.7 ¾				-	Dilatation
			ipP	ZV	59 45.6 1				+	
			iPcP	ZV	01 01 44.4 ¾				-	5.1S, 153.6E
			e(S)	N_1	05 27 24					
			eSSS	E_1	08 38 42					
			eL	N_1E_1	11.1 28					
336	19	TAU	eL	N_1E_1	06 31.5 36					
337	19	TAU	eL	N_1E_1	16 06.5 17					
338	19	SAV	eP	V	16 35 24.5 ¾					
339	20	TAU	eL	Z_1	16 46.5					21.0S, 174.8W
			eL	E_1	48.7 14					
			M	E_1Z_1	51.5 14					
340	22	SAV	eP	V	00 28 31.5 ½					5.9S, 151.7E
		TRR	eP	V	00 28 35.0 ¾					
		MOO	eP	V	00 28 35.5 ¾					
341	22	TAU	iS	N_1	00 30 12 14				-	3.2S, 137.5E
			iSS	N_1E_1	34 29 23				-	
			eL	N_1E_1	38.2 36					
			M	E_1	45.2 16					
			M	N_1	46.6 15					
342	22	SAV	iP	V	13 43 35.0 1				+	Compression
		MOO	iP	V	13 43 40.5 1				+	Compression
		TRR	iP	V	13 43 41.0 1				+	Compression
		TAU	iP	NEZ	13 43 43.2 2		+	+	+	Compression
			i	E	46 52.7 1			+		
			eS	N_1	49 14 12					8.4S, 158.8E
			eSS	$N_1E_1Z_1$	51 59 24					
			e(ScS)	N_1E_1	54 03 51					
			eL	$N_1E_1Z_1$	57.1 16					
343	23	TAU	eL	N_1E_1	00 08.2 37					3.5S, 145.6E
344	23	TAU	(eP)	Z	17 59 19.9 ½					
			iP	V	59 21.0 ½				+	Compression
			eT	NEZV	18 12 32.0 ½					
			Tmax	V	13 08.0 ½					
		SAV	eP	V	17 59 40.0 ½					
			eT	V	18 13 25.5 ½					
345	23	SAV	iP	V	23 15 35.5 1½				-	Dilatation
		TAU	eL	N_1E_1	23 23.5 24					
			eL	Z_1	24.9 26					14.1S, 166.8E
346	24	MOO	iP	V	03 17 29.0 1				+	Compression
347	24	TAU	(eT)	V	03 59 08.0 ½					
348	24	TAU	iP	NEZV	06 57 10.4 ½				+	Compression
			eS	V	59 36.0 ½					H 06 54 15
			eL	N_1Z_1	07 00.2 19					Δ 12°.3
			eT	NEZV	09 52.5 ½					
		MOO	iP	V	06 57 18.5 ½				+	Compression
		SAV	iP	V	06 57 26.0 ¾				+	Compression
			eT	V	07 11 08.0 ½					
349	24	TAU	e	E_1	13 18 57 13					
			i	N_1Z_1	21 43 12	+				

International Seismological Centre

No.	Date	Stn.	Phase	Comp.	Time GMT h	m	s	Per s	A_N	A_E	A_Z	Remarks
350	25	TAU	eSS	N_1E_1	05	17	31	44				18.9N, 81.1W
			eSSS	N_1E_1		22	05	32				
			e	N_1E_1		32	48	53				
			eG	E_1Z_1		41	.1	72				
			eW_2	$N_1E_1Z_1$	06	29	.2	26				
351	26	TAU	eL	$N_1E_1Z_1$	07	19	.3	24				5.3S, 150.8E
352	26	TAU	iPP	$N_1E_1Z_1V$	08	35	29	24	-	+	-	7.5N, 82.7W
			i	Z_1		37	06	18			-	
			iSKKS	N_1E_1		42	22	19	+	-		
			iPKKP	Z_1		44	13	18			+	
			iPS	$N_1E_1Z_1$		45	31	22	-	+	-	
			iSPP	Z_1		47	07	22			+	
			iPKKS	E_1		47	31	25		-		
			i	N_1E_1		49	07	32		-		
			iPPP	Z_1		51	09	22			+	
			iSS!	$N_1E_1Z_1$		52	48	27	-	+		
			iSSS	E_1		56	24	25		-		
			iL	$N_1E_1Z_1$	09	12	.4	28	+	-	-	
			M	Z_1		13	.1	30				
			M	N_1E_1		13	.9	28				
			eW_2	$N_1E_1Z_1$	10	06	.4	62				
		MOO	iPP	V	08	35	32	.5 2			-	
		TRR	iPP	V	08	35	35	.0 2			+	
353	27	SAV	iP	V	19	32	50	.5 1			-	Dilatation
		TAU	iP	ZV	19	32	57	.0 1			-	Dilatation
			iPcP	ZV		35	29	.4 ½			-	13.2S, 167.1E
354	28	SAV	iP	V	00	13	05	.5 ½			+	Compression
		TAU	iP	ZV	00	13	08	.8 1			+	Compression
			iS	N_1E_1		19	42	20		+		
			eSS	E_1		23	09	36				16.2S, 173.2W
			e	N_1		23	49	24				
			eL	$N_1E_1Z_1$		25	.0	30				
			M	N_1E_1		29	.3	18				
		TRR	eP	V	00	13	13	.0 ½				
355	28	TAU	iP	NEZV	23	42	38	.0 ½			+	Compression
			iPP	ZV		42	47	.7 1			-	
			eS	NEZV		45	14	.2 ½				H 23 39 22.4
			eL	N_1E_1		45	.4	18				Δ 13°.9
			eL	Z_1		46	.3	23				
			M	N_1		46	.5	13				
			M	E_1Z_1		47	.3	18				
			eT	NEZV		55	32	.0 ¾				
			Imax	NEZ		57	29	.6 ½				
		MOO	eP	V	23	42	41	.5 1				
			ePP	V		42	51	.0 1				
			ei	V		56	14	.0 ¾				
			Tmax	V		57	57	.5 1				
		SAV	iP	V	23	42	43	.5 ¾			+	Compression
			e	V		45	31	.5 ½				
			eT	V		56	57	.0 ½				
			Tmax	V		58	00	.0 ¾				
		TRR	iP	V	23	42	40	.0 ½			+	Compression
			eS	V		45	35	.5 ½				H 23 39 18
			eT	V		56	56	.0 ½				Δ 15°.1
			Tmax	V		58	27	.0 ½				
356	29	MOO	(eP)	V	12	01	44	.5 1				
		SAV	eP	V	12	01	47	.5 ¾				
		TAU	iP	ZV	12	01	50	.7 1				Dilatation
357	29	MOO	(iP)	V	18	24	12	.0 1½			+	41.4S, 173.2E
			i	V		24	17	.0 1			-	
		SAV	(iP)	V	18	24	13	.5 ½			+	
		TRR	(eP)	V	18	24	19	.0 1				
		TAU	iP	NEZV	18	24	19	.1 ¾	+		+	Compression
358	30	SAV	iP	V	17	24	08	.0 1½			+	Compression
			i	V		27	19	.5 1			-	
			e	V		30	24	.5 ½				3.3S, 143.9E
			eL_R	V		41	.2	15				
			M	V		43	.1	13				
			i	V		55	58	.0 ½			-	
			ePKPPKP	V		58	20	.5 ½				
			ePKPPKS	V	18	00	15	.5 ½				

No.	Date	Stn.	Phase	Comp.	Time GMT h	m	s	Per s	A_N	A_E	A_Z	Remarks
358	30	MOO	iP	V	17	24	13	.0 1½			+	Compression
cont			eL_R	V		41	.8	13				
			M	V		42	.8	16				
		TRR	iP	V	17	24	13	.0 1½			+	Compression
			eL_R	V		41	.7	13				
			M	V		43	.7	11				
		TAU	iP	V	17	24	17	.0 1½			+	Compression
			i	V		27	29	.5 1			+	
			eL_R	V		42	.2	13				
			M	V		42	.7	12				
359	30	SAV	ePKP	V	20	37	50	.0 1				5.0N, 76.3W
			i	V		38	17	.5 ¾			+	
		MOO	ePKP	V	20	37	52	.0 ¾				
			e	V		38	14	.0 1				
		TAU	ePKP	V	20	27	54	.5 1				
			i	V		38	22	.0 ¾			+	
360	31	MOO	eP	V	02	26	43	.0 1				3.2S, 144.1E

Seismograms read by
Lesley Read.

International Seismological Centre

PROVISIONAL BULLETIN

August 1962

Instruments

TAU : N, E, Z, N_1, E_1, Z_1, V
MOO : V
TRR : V
SAV : V (operating intermittently)

Epicentre locations quoted are those given by U. S. C. G. S.

No.	Date	Stn.	Phase	Comp.	Time GMT h m s	Per. s	Amp. N E Z	Remarks
361	1	TAU	eP	V	03 55 48.0	¾		27.0S, 176.4W
		TRR	eP	V	03 55 53.5	½		
362	1	TRR	iP	V	04 44 24.5	⅝.2	-	Dilatation
			ePcP	V	46 35.0	1		
			eL_R	V	58.3	5		3.2S, 143.7E
			M	V	05 02.6	10		
		MOO	iP	V	04 44 26.0	½.2	-	Dilatation
			eL_R	V	58.6	5		
			M	V	05 03.0	7		
		TAU	iP	V	04 44 28.5	½.2	-	Dilatation
			eL_R	V	58.4	4		
			M	V	05 02.9	8		
363	2	TRR	iP	V	13 33 52.0	⅓	+	Compression
		TAU	iP	ZV	33 55.4	1	+	Compression
364	3	TAU	iPP	N_1Z_1	09 14 42	22	- +	4.8S, 152.1E 23.2S, 67.5W
			eSKS	N_1E_1	20 52	20		
			i(S)	N_1E_1	21 51	18	- -	
			ePS	N_1E_1	23 55	20		
			e	N_1	28 56	27		
			iSS	N_1E_1	29 40	20	- -	
			eL	N_1E_1	41.0	46		
365	3	TAU	eP	ZV	10 11 34.2	2¼		10.1S, 161.2E
			i(pP)	V	11 52.5	1	-	
		TRR	e	V	10 11 46.0	1		
366	3	TAU	eL	N_1E_1	10 28.6	18		23.3S, 171.2E
			M	N_1	30.8	15		
367	5	TAU	eL	$N_1E_1Z_1$	10 14.4	44		? 74.2N, 52.5E
368	5	MOO	iP	V	15 15 08.0	1	-	Dilatation
			i	V	15 20.5	1	+	
		TRR	eP	V	15 15 09.5	¾		
		TAU	iP	NEZV	15 15 10.2	1	-	Dilatation
			eL	$N_1E_1Z_1$	23.0	25		
			M	N_1E_1	26.4	22		13.7S, 166.6E
369	6	TAU	eKKKS	N_1	02 10 55	38		32.0N, 40.8W
			eSS	N_1E_1	21 18	19		
			eL	N_1E_1	26.7	26		
			eW_2	N_1E_1	52.3	58		
370	6	TAU	iP	NEZV	08 53 16.9	1	+	Compression
			ipP	V	53 33.5	¾	+	
			isP	V	53 38.5	½	-	58.4S, 25.5W
			eL	N_1E_1	09 18.7	30		
371	6	SAV	iP	V	15 33 33.0	1	+	Compression
		MOO	iP	V	15 33 39.0	1	+	Compression
		TRR	iP	V	15 33 40.5	¾	+	Compression
		TAU	iP	V	15 33 40.5	¾	+	Compression
								15.3S, 167.5E
372	6	SAV	iP	V	20 58 27.5	1½	+	Compression
			ePcP	V	21 01 10.5	1		
		MOO	iP	V	20 58 28.0	1½	+	Compression
			iPP	V	59 50.5	1	+	
			iPcP	V	21 01 12.5	1	-	
		TAU	iP	NEZV	20 58 28.5	1	+ +	Compression
			iPP	E_1	59 51	20	+	
			iPPP	Z_1	21 00 04	1	+	
			iPcP	Z	01 12.3	1	-	26.9S, 177.1W
			e(S)	N_1E_1	03 37	47		
			eSS	N_1	05 42	24		
			iSSS	$N_1E_1Z_1$	06 10	17	- -	
			iL	$N_1E_1Z_1$	07.7	29	+	
			M	$N_1E_1Z_1$	08.3	30		
		TRR	eP	V	20 58 33.5	1		
			iPcP	V	21 01 13.5	1	-	
373	8	TAU	eL	N_1E_1	13 49.8	25		18.0S, 168.1E
374	8	TAU	eL	N_1E_1	23 45.2	19		
375	10	TAU	e	NZV	10 44 16.0	¾		
376	11	TAU	e(S)	N_1E_1	00 01 59	29		
377	11	MOO	iP	V	01 53 54.0	1	-	Dilatation
			eScP	V	58 53.0	1		
		TAU	iP	NEZV	01 53 54.9	1	+ + -	Dilatation
			e	ZV	57 02.7	¾		
			iScP	EZV	58 53.1	1	- -	H01 47 42
			iS	N_1E_1	58 54	20	- +	△ 36°.0, h0.09
			eSS	N_1E_1	02 02 06	20		
			iScS	N_1	03 00	12	-	
			eL	N_1E_1	07.1	16		20.0S, 178.8W
			ePKKP	N_1	17 44	28		
			ePKKS	N_1	22 18	24		
		TRR	iP	V	01 53 58.0	1	-	Dilatation
			iScP	V	58 54.5	1	-	
378	11	TAU	e(S)	N_1E_1	07 02 04	21		15.7S, 172.9W
			e(SS)	N_1	05 34	10		
			e(SSS)	N_1E_1	06 34	21		
			eL	$N_1E_1Z_1$	07.9	28		
			M	E_1Z_1	10.6	22		
379	11	TRR	iP	V	08 26 45.5	½	-	Dilatation
		MOO	iP	V	08 26 47.0	¾	-	Dilatation
		TAU	iP	V	08 26 48.6	1	+ + -	Dilatation
			ipP	ZV	27 36.6	1	+	
			iS	$N_1E_1Z_1$	35 57	21	+ + +	H 08 15 33
			i	N_1	36 41.3	3	+	△ 71°.6, h0.015
			(ScS)	E_1	36 42	20	+	
379			isS	N_1	36 57	16	+	
			e(SS)	N_1E_1	41 05	29		25.2N, 123.3E
			e	Z_1	41 33	33		
			i	$N_1E_1Z_1$	44 46	26	- -	
			eL	$N_1E_1Z_1$	45.8	60		
380	11	TAU	eL	N_1E_1	14 30.4	33		
381	11	TAU	iP	NEZ	18 20 06.9	1	-	Dilatation
			ipP	Z	20 45.4	1	-	6.6S, 130.3E
382	13	TAU	ePS	$N_1E_1Z_1$	07 05 58	25		2.1N, 83.5W
			eSS	$N_1E_1Z_1$	12 30	30		
			eG	N_1E_1	25.5	62		
			eL	N_1Z_1	31.0	29		
			M	N_1Z_1	34.0	21		
			eW_2	N_1	08 16.5	90		
383	14	TAU	iP	EZV	01 13 50.6	1	- -	Dilatation
			i	NEZV	13 52.3	½	- + +	
			i	$N_1E_1Z_1$	13 53	1,25	- + -	
			iS	NN_1EEZV	16 09.8	1,20	+ +	H 01 10 52.3
			M	N_1E_1	17.0	14		△ 12°.5
			eL_R	Z	17.5	10		
			M	Z_1	18.0	11		49.9S, 163.0E
			eT	NEZV	24 28.3	½		
			Tmax	ZV	26 54.0	½		
		MOO	iP	V	01 13 57.5	1	-	Dilatation
			eS	V	16 20.5	¾		H 01 10 53.5
			eT	V	25 37.0	½		△ 12°.9
			Tmax	V	27 41.0	¾		
383		TRR	iP	V	01 14 04.5	1	-	Dilatation
			eS	V	16 33.0	½		
			eT	V	25 43.0	½		H 01 10 54.5
			Tmax	V	27 36.0	⅓		△ 13°.4
384	15	TRR	eP	V	08 38 00.0	½		4.7N, 122.6E
		TAU	iP	ZV	08 38 05.2	½	+	Compression
385	15	SAV	eP	V	20 21 34.0	¾		21.2S, 179.3W
		TAU	iP	V	20 21 37.0	¾	-	Dilatation
386	16	TRR	(i)	V	08 55 35.0	¾	-	
		TAU	iP	V	08 55 20.0	¾	-	Dilatation
387	17	SAV	iP	V	04 02 58.5	¾	-	Dilatation 12.2S, 167.1E
388	17	TRR	eP	V	05 14 24.0	1		
		TAU	iP	NEZV	05 14 27.2	1½	+	Compression
			eS	N_1E_1	22 33	12.5		
			eSS	N_1E_1	26 20	27		H 05 04 24
			e	Z_1	28 18	28		△ 59°.6
			eL	N_1E_1	32.0	36		
			eL	Z_1	32.9	47		10.6N, 121.6E
			M	N_1	33.7	36		
			M	E_1Z_1	37.2	26		
		MOO	eP	V	05 14 30.5	1		
389	17	MOO	iP	V	11 55 48.0	¾	+	Compression
		TAU	iP	ZV	11 55 48.6	¾	+	Compression
		TRR	iP	V	11 55 51.0		+	Compression 15.2S, 178.6W
390	17	SAV	iP	V	16 26 17.0	½	-	Dilatation
		TAU	iP	ZV	16 26 19.6	½	-	Dilatation
		TRR	eP	V	16 26 24.0	½		19.3S, 177.5W
391	18	SAV	iP	V	04 07 39.5	1	+	Compression
		TAU	iP	V	04 07 48.0	¾	+	Compression 21.9S, 179.3W
392	18	TAU	eSS	E_1	05 58 37	18		3.5S, 150.5E
			eL	N_1E_1	06 00.1	25		
			eL	Z_1	03.4	23		
			M	E_1	03.7	20		
			M	N_1Z_1	05.6	19		
393	18	TAU	eSS	E_1	06 29 45	20		
			eL	N_1E_1	31.2	34		
			eL	Z_1	34.7	24		
			M	E_1Z_1	34.9	20		
			M	N_1	36.8	16		
394	18	TAU	e	E_1	07 25 28	20		
			eL	E_1	30.2	18		
			eL	N_1Z_1	31.1	18		
			M	E_1	35.5	19		
			M	N_1Z_1	36.6	18		
395	18	TAU	eSS	E_1	08 38 28	61		4.7S 150.2E
			eL	N_1	40.9	26		
			eL	Z_1	43.4	23		
			M	E_1	43.9	19		
396	18	TAU	e(L)	E_1	18 36 12	31		62.3N, 152.5W
			eL	$N_1E_1Z_1$	42.8	24		
397	18	TAU	iP	NEZ	20 50 25.2	½	-	Dilatation
			eL	E_1	50.7	15		22.7S, 173.1E
			eL	Z_1	21 01.3	18		
398	18	TAU	e(S)	N_1	23 02 40	13		7.3S, 156.1E
			e	N_1	05 25	56		
			eL	$N_1E_1Z_1$	08.6	28		
399	19	TRR	iP	V	10 46 41.0	¾	+	Compression
		MOO	iP	V	10 46 42.5	1	+	Compression
		TAU	iP	ZV	10 46 45.7	1	+	Compression 6.8S, 149.5E
400	19	TAU	iPS	$N_1E_1Z_1$	18 54 28	29	-	44.6N, 81.7E
			iSS	$N_1E_1Z_1$	19 00 30	28	-	
			eSSS	$N_1E_1Z_1$	04 30	49		
			e	E_1	10 31	25		
			eG	N_1E_1	13.4	60		
			eL	Z_1	19.2	50		
			M	E_1	21.0	42		
			M	Z_1	26.6	27		
401	20	TAU	eL	$N_1E_1Z_1$	13 18.8	23		12.4S, 112.1E
402	20	TAU	eL	$N_1E_1Z_1$	15 36.8	31		1.7S, 133.8E
			M	E_1	38.4	24		
403	21	TAU	eL	E_1	16 23.8	21		28.2S, 176.7W
404	21	TAU	e(SSS)	N_1	19 21 02			41.4N, 15.5E
			eL	E_1	27.8	59		
405	21	TAU	iP	ZV	20 32 54.8	¾	-	Local. Felt at
			iS	ZV	32 58.3	½	-	Cygnet,
		MOO	eP	V	20 33 02.0	½		southern
			eS	V	33 12.0	½		Tasmania.
		TRR	eP	V	20 33 07.0	½		
			iS	V	33 19.0	½	-	
			e	V	33 23.5	½		
		SAV	eP	V	20 33 16.0	½		
			eS	V	33 34.5	½		
406	21	TAU	eL	N_1E_1	21 18.1	26		28.7S, 176.8W
			eL	Z_1	21.7	25		
			M	N_1	24.0	14		
			M	E_1Z_1	29.4	15		
407	21	MOO	eP	V	21 21 45.5	1		29.6S, 111.9W
		TRR	eP	V	21 21 53.5	1		
		TAU	iS	N_1E_1	21 31 35	17	- -	
			iSSS	N_1	40 08	56	-	
			iG	N_1E_1	42.1	32	-	
			iL	$N_1E_1Z_1$	45.0	29	-	
			eW_2	N_1E_1	23 04.2	56		
408	22	TRR	eP	V	02 20 36.0	½		Local
			i	V	20 38.5	½	+	
		TAU	eP	V	02 20 52.5	½		
			eS	V	21 13.0	½		

International Seismological Centre

No.	Date	Stn.	Phase	Comp.	Time GMT h	m	s	Per Amp. s	N	E	Z	Remarks
409	22	TAU	eL	N_1	05	46.5		14				28.6S, 176.7W
			eL	E_1		49.0		18				
			M	E_1		52.9		14				
			M	Z_1		53.8		15				
410	22	TRR	eP	V	05	49	18.0	$\frac{1}{4}$				Local
			i	V		49	20.5	$\frac{1}{4}$			+	
		TAU	eP	V	05	49	35.0	$\frac{1}{4}$				
			eS	V		49	54.5	$\frac{1}{4}$				
411	22	TRR	eP	V	11	16	53.5	$1\frac{1}{4}$				49.7S, 117.5E
		MOO	eP	V	11	16	53.5	$1\frac{1}{2}$				
		TAU	eP	V	11	16	56.0	1				
			eL	E_1		22.3		20				
412	23	TRR	iP	V	15	40	54.5	$\frac{1}{4}$			+	Compression
		MOO	eP	V	15	40	58.5	1				22.9N, 120.8E
		TAU	iP	NEZV	15	40	58.8	$\frac{3}{4}$			+	Compression
413	23	TAU	iP	NEZV	21	05	05.1	1	-	+	+	Compression
		MOO	iP	V	21	05	08.0	$\frac{3}{4}$			+	Compression 56.1S, 26.6W
414	24	TAU	iP	NEZV	06	52	51.7	$\frac{1}{4}$	-	+	-	Dilatation
			i	Z		53	19.5	1			+	
			iScP	ZV		58	17.8	1			-	24.5S, 178.8E
			eSS	N_1	07	00	21	13				
		TRR	iP	V	06	52	55.5	$\frac{1}{4}$			-	Dilatation
			iPcP	V		55	26.5	$\frac{1}{4}$			-	
			iScP	V		58	19.0	$1\frac{1}{4}$			-	
		MOO	iScP	V	06	58	19.0	$1\frac{1}{4}$			-	
415	24	TAU	eP	NEZV	09	12	27.2	$\frac{3}{4}$				H09 04 23
			eS	$N_1E_1Z_1$		18	55	23				$\Delta 43^{o}.8$
			e	N_1		21	46					
			eSS	E_1Z_1		22	03	22				15.0S, 173.3W
			e	N_1		22	49					
			eL	E_1		24.1		28				
			eL	Z_1		25.0		28				
			M	E_1Z_1		29.5		16				
		TRR	e	V	09	12	30.5	1				
		MOO	e	V	09	12	31.0	1				
416	25	TAU	iP	NEZV	08	38	06.6	$\frac{1}{4}$			+	Compression
			e(PP)	EZV		39	55.8	$2\frac{1}{4}$				
			e	$N_1E_1Z_1$		40	51	13				H 08 31 54
			e	N_1E_1		42	03	24				$\Delta 35^{o}.8$, h0.09
			iS	$N_1E_1Z_1$		43	04	23	-	+		
			iScP	EZ		43	11.0	1		-	+	
			iSS	$N_1E_1Z_1$		46	09	26	+		-	20.5S, 178.5W
			i	N_1E_1		51	15	24	+			
			e	N_1E_1	09	02	05	29				
			i	N_1E_1		06	05	24		-		
		TRR	iP	V	08	38	10.0	$\frac{1}{4}$			+	Compression
			eScP	V		43	11.5	$\frac{3}{4}$				
		MOO	e(P)	V	08	38	11.0	$\frac{3}{4}$				
			iScP	V		43	12.5	1		-		
417	26	TAU	(e)	N_1	07	14	43	58				34.0N, 139.2E
			eG	E_1		21.5		64				
			eL	N_1		24.9		36				
			M	E_1		25.5		30				
			eL	Z_1		27.4		33				
			M	N_1		28.4		31				
418	26	MOO	eP	V	23	38	04.0	1				3.7S, 140.1E
		TRR	eP	V	23	38	04.0	$1\frac{1}{2}$				
			ePcP	V		40	13.5	$\frac{3}{4}$				
		TAU	iP	NEZV	23	38	07.3	1			-	Dilatation
			esP	V		38	24.0	$\frac{1}{4}$				
			es	N_1		44	17	44				H233026
			e	E_1		46	43	39				$\Delta 41^{o}0$, h0.00
			eSS	N_1Z_1		47	08	21				
			eL	N_1E_1		48.9		45				
			eL	Z_1		51.1		29				

No.	Date	Stn.	Phase	Comp.	Time GMT			Per Amp.		Remarks
					h	m	s	s		
419	27	SAV	iP	V	02	30	51.5	$\frac{3}{4}$	+	Compression
		TRR	iP	V	02	30	54.5	$\frac{3}{4}$	+	Compression
		MOO	iP	V	02	30	55.0	1	+	Compression
		TAU	iP	NEZV	02	30	57.1	$\frac{3}{4}$	+	Compression
			e(PP)	Z		34	04.3	$\frac{3}{4}$		40.2N, 137.8E
420	27	TAU	eL	$N_1E_1Z_1$	23	49.2		20		6.0S, 147.5E
421	28	TRR	iPKP	V	11	19	08.0	$\frac{1}{2}$	+	Compression
			iSKP	V		22	31.0	1	-	
		MOO	ePKP	V	11	19	08.5	$\frac{1}{4}$		38.0N, 23.1E
			iSKP	V		22	32.5	1	-	
		TAU	iPKP	ZV	11	19	11.9	1	+	Compression
			iSKP	ZV		22	35.1	1	+	
			i(PKS)	E_1		22	53	20	+	
			e(SS)	E_1		39	08	26		
			e(L)	N_1		55	03	60		
			eL	N_1E_1	12	03.1		42		
422	29	TAU	eL	E_1	03	27.5		29		
			M	E_1		29.7		19		
			M	N_1		30.5		18		
423	29	TAU	eL	N_1E_1	23	12.7		32		34.1N, 139.1E
			M	N_1		16.7		31		
			M	Z_1		21.4		23		
424	30	TAU	eP	NEZV	15	21	30.3	$\frac{1}{4}$		Local
		TRR	eP	V	15	21	43.0	$\frac{1}{3}$		
425	30	MOO	iP	V	17	25	13.0	1	+	Compression
		TAU	iP	NEZV	17	25	13.1	1	+	Compression
			eL	N_1		34.4		29		
			eL	E_1		36.6		23		21.2S, 174.4W
			eL	Z_1		38.0		17		
			M	N_1		40.3		14		
			M	E_1		43.6		32		
		TRR	eP	V	17	25	14.0	$\frac{3}{4}$		
426	31	TAU	eL	N_1	10	50.4		35		15.4S, 177.3W
			eL	E_1		52.6		30		
			M	E_1Z_1		54.0		21		
427	31	TAU	eSKS	N_1	17	27	04	40		51.3N, 179.7W
			eS	E_1		27	50	40		
			ePS	N_1Z_1		29	12	37		
			eSS	N_1E_1		34	17	16		
			i(SKKS)	N_1E_1		44	00	33	+	+
			eL	N_1Z_1		47.7		53		
			eL	E_1		50.5		23		
			M	E_1		58.8		20		
			M	N_1Z_1		59.4		18		
428	31	TAU	eL	N_1	19	21.6		13		

PROVISIONAL BULLETIN

September 1962

Instruments:

TAU: N, E, Z, N_1, E_1, Z_1, V(N,E,Z not operating 6th-18th inclusive)

MOO: V

TRR: V

SAV: V (operating intermittently)

Epicentre locations quoted are those given by USCGS.

No.	Date	Stn.	Phase	Comp	Time GMT h	m	s	Per s	Amp N	E	Z	Remarks
429	1	TAU	eSKS	N_1	04	10	21	31				51.3N, 179.7W
			eS	E_1		11	20	32				
			e(PS)	N_1		12	38	34				
			eSS	$N_1E_1Z_1$		18	02	24				
			eG	N_1E_1		27.2		42				
			dL	Z_1		29.7		29				
			M	$N_1E_1Z_1$		42.0		21				
430	1	SAV	1P	V	04	58	15.5	1	-		-	D
			1PcP	V	05	01	02.0	1	-		-	
			eS	V		03	06.0	2				15.9S, 168.2E
			1ScP	V		04	23.0	1	-		-	
			eScS	V		08	27.5	2				
		MOO	1P	V	04	58	20.5	1	-		-	D
			1PcP	V	05	01	04.0	1	-		-	
			1ScP	V		04	25.0	1	-		-	
			eScS	V		08	28.0	2				
		TAU	1P	NEZV	04	58	22.4	1	-	+	-	D
			1PP	N_1Z_1		59	41	7	-	-	-	
			1PcP	ZV	05	01	05.1	1	-	-	-	H 04 52 11.7
			1S	NEZV		03	19.3	2	9	-	+	△ 32°.4, h 0.03
			1ScP	ZV		04	26.1	2		+	-	
			1SS	$N_1E_1Z_1$		05	33	21	+		+	
			eL	N_1Z_1		07.7		19				
			1ScS	NE		08	26.5	2	+			
			M	$N_1E_1Z_1$		09.3		18				
		TRR	1P	V	04	58	23.0	1	-		-	D
			1PcP	V	05	01	05.0	1	-		-	
			eS	V		03	19.0	2	-		-	
			1ScP	V		04	26.0	2				
431	1	TAU	eSKS	N_1	08	15	14	30				51.3N, 179.9W
			eS	E_1		16	17	30				
			ePS	N_1		17	30	34				
			eSS	N_1E_1		23	09	25				
			eG	N_1E_1		32.4		45				
			dL	N_1Z_1		36.7		42				
			eL	E_1		40.4		29				
			M	E_1		44.7		21				
			M	N_1Z_1		47.6		19				
432	1	TAU	eL	N_1Z_1	10	10.8		26				25.8N, 65.3E.
433	1	TAU	eL	N_1	15	45.1		32				
			eL	E_1Z_1		50.7		33				
434	1	SAV	1P	V	18	00	54.5	1	-		-	D
		TAU	1P	EZV	18	00	56.8	1	-		-	D
435	1	SAV	1PKP	V	19	39	25.5	1	-		-	D
		TAU	1PKP	ZV	19	39	29.6	1	-		-	D
			1PP	Z_1		40	52	12			+	
			1SKS	N_1E_1		46	40	40	+			35.6N, 50.0E
			1PS	$N_1E_1Z_1$		50	26	13	+		-	
			1SS	$N_1E_1Z_1$		57	09	28	+		-	
			1SSS	E_1Z_1	20	01	50	41	-		-	
			1G	N_1		10.5		64	+		+	
			1L	E_1Z_1		16.4		50				
			M	E_1Z_1		27.8		20				
		TRR	ePKP	V	19	39	31.0	1				

International Seismological Centre

International Seismological Centre

No.	Date	Stn.	Phase	Comp	Time GMT h	m	s	Per s	Amp N	E	Z	Remarks
476	22	TRR	iP	V	07	03	53.5	1			+	C
		TAU	iP	ZV	07	03	58.0	1			+	C
			ePcP	E		04	04.4	1				
			eS	N_1E_1		14	18	14				26.5N, 97.0E
			e	N_1		19	03	34				
			eSS	E_1Z_1		20	10	39				H06 51 30
			eSSS	N_1		23	15	23				Δ83°.9, h0.00
			eG	N_1E_1		27.5		65				
			eL	Z_1		31.5		63				
			M	E_1		32.0		31				
			M	N_1		36.0		27				
			M	Z_1		39.8		27				
477	22	TAU	eP	V	15	13	23.0	½				
			e			13	26.2	1				
			e(S)			17	48	23				
			eL	E_1Z_1		19.3		39				
		MCO	eP	V	15	13	23.5	1				
			e	V		13	39.0	1				
		SAV	eP	V	15	13	24.5	1				
478	23	TAU	iP	ZV	07	05	41.1	½			+	C
												23.7S, 179.9E
479	23	TAU	iP	V	09	16	16.0	¼			-	D
			iS	EV		16	26.1	¼		-		Local
480	24	SAV	eP	V	05	37	52.0	½				9.2N, 126.6E
		TRR	eP	V	05	38	03.0	1½				
		TAU	eP	V	05	38	04.5	½				
			eS	N_1		45	51	40				
			eSS	$N_1E_1Z_1$		49	28	16				
			M	N_1Z_1	06	01.5		20				
481	24	TRR	eP	V	14	51	04.0	1				42.8N, 145.3E
		TAU	eSKS	N_1	15	01	09	22				
			eS	N_1		07	10	20				
			e	E_1		14	55	46				
			eL	N_1Z_1		18.7		46				
482	25	TAU	eS	$N_1E_1Z_1$	00	38	34	19				55.6S, 124.3W
			eSSS	N_1E_1		44	50	20				
			eL	$N_1E_1Z_1$		46.2		33				
			M	$N_1E_1Z_1$		47.7		24				
483	25	TAU	eL	$N_1E_1Z_1$	14	07.9		41				73.7N, 55.0E
484	25	TAU	eS	N_1	15	07	19	16				11.7N, 138.6E
			eSS	N_1		11	06	23				
			eL	$N_1E_1Z_1$		19.9		18				
485	26	TAU	iP	ZV	12	51	23.3	¼			+	C
			iPcP	V		54	05.5	¼			+	
			i	ZV		54	17.9	¼			+	27.5S, 176.4W
			eSS	N_1		58	52	20				
			eL	$N_1E_1Z_1$	13	00.5		25				
			M	N_1E_1		03.7		19				
			M	Z_1		05.3		18				
		TRR	iP	V	12	51	26.0	1			+	C
			iPcP	V		54	07.0	1			+	C
		MCO	e	V	12	51	31.0	1				
486	27	TAU	e(PS)	N_1	07	14	56	30				47.4S, 34.3E
			eL	$N_1E_1Z_1$		27.4		31				
487	27	TAU	eL	$N_1E_1Z_1$	09	07.0		39				74.3N, 52.4E
488	27	TRR	iP	V	13	05	22.0	1½			-	D
		MCO	iP	V	13	05	25.5	1			-	D
		TAU	iP	Z	13	05	28.5	¼			-	D
												4.6S, 104.4E
489	27	TRR	iP	V	13	18	46.0	1			-	D
		MCO	iP	V	13	18	48.0	1			-	D
		TAU	iP	NZV	13	18	52.2	¼			-	D
												18.6N, 121.8E
490	27	MCO	iP	V	13	31	40.5	¼			-	D
		TAU	iP	NEZV	13	31	42.0	1	+	-	-	D
			eL	N_1		45.6						17.6S, 178.9W
		TRR	iP	V	13	31	44.0	½			-	D

No.	Date	Stn.	Phase	Comp	Time GMT h	m	s	Per s	Amp N	E	Z	Remarks
491	27	TAU	eS	N_1E_1	18	40	22	24				4.0S, 151.2E
			eSS	E_1		43	06	24				
			eL	N_1E_1		44.5		49				
			iL	Z_1		46.3		32			+	
			M	$N_1E_1Z_1$		48.0		21				
492	29	TAU	eP	NEZ	14	33	44.4	½				H 14 30 43.4
			iPP	E		33	53.8	1		-		Δ12°.7
			eS	NEZ		36	05.3	½				
			eL	N_1E_1		36.7		14				
			eT	NEZ		46	44.2	½				
493	29	TAU	iSKS	N_1E_1	15	40	43	20	+	-		27.0S, 63.6W
			iS	E_1		41	58	20		+		
			iSP	$N_1E_1Z_1$		43	43	32			+	
			esS	E_1		45	41	31				
			eSS	E_1Z_1		49	04	30				
			eSSS	$N_1E_1Z_1$		53	30	32				
			eSKKKS	N_1		57	20	39				
			eL	E_1	16	00.8		24				
494	30	TRR	iP	V	10	55	29.5	1			+	C
		TAU	iP	ZV	10	55	35.0	1			+	C
			iS	$N_1E_1Z_1$	11	01	20	26			+	
			eSS	E_1Z_1		04	14	56				5.2S, 152.7E
			eL	$N_1E_1Z_1$		06.8		35				
			M	$N_1E_1Z_1$		09.3		22				
495	30	TRR	iP	V	11	05	38.5	1			+	C
		MCO	iP	V	11	05	39.0	1			+	C
		TAU	iP	NEZV	11	05	43.4	1	+	+	+	C
			i	Z		06	27.3	1			-	5.9S, 151.0E
496	30	TRR	iP	V	22	08	02.0	¼			+	C
		TAU	iP	ZV	22	08	08.3	¼			+	C
			eS	N_1		16	52	16				
			eL	$N_1E_1Z_1$		26.8		52				18.6N, 120.9E

Seismograms read by

Lesley Read.

Instruments: TAU: N E Z N,E,Z, V MOO:V TRR:V SAV:V

Epicentre locations quoted are those given by U.S.C.G.S.

Seismograms read by Lesley Read

OCT 03 1963

International Seismological Centre

Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. N E Z	Remarks
MOO	iP	V	03	03	24.5	1	-	D
	i	V	03	37.5		1	+	17.5S, 178.9W
	i	V	04	07.0		1	-	
TAU	iP	NEZV	04	03	26.3	1	-	D
	ePcP	V		05	27.[illegible]			
TRR	iP	V	04	03	28.[illegible]	1	-	D
	iPcP	V		05	38.5	¾	-	
MOO	iP	V	10	03	10.0	¾	+	C
	ipP	V		03	25.5	1	-	
TRR	iP	V	10	03	13.5	¾	+	C
	ipP	V		03	25.0	1½	-	
	i	V		08	23.5	1	-	17.5S, 167.1E
TAU	eSS	N_1E_1	10	09	54	34		
	eL	$N_1E_1Z_1$		11	3	27		
	M	N_1E_1		12	9	16		
TRR	iP	V	15	14	28.0	1	-	D
	ipP	V		14	43.0	¾	-	
MOO	eP	V	15	14	29.5	¾		5.5S, 151.9E
TAU	eP	V	15	14	32.0	¾		
	eL	$N_1E_1Z_1$		24	8	30		
MOO	eP	V	20	49	54.5	¾		19.6S, 174.5W
TAU	iP	ZV	20	49	55.5	½	-	D
	iL	$N_1E_1Z_1$	21	01	4	33	+	
TRR	iP	V	20	50	01.0	¼	-	D
TRR	eP	V	08	42	21.5	½		17.6S, 178.7W
TAU	eL	$N_1E_1Z_1$	02	46	4	26		40.6N, 29.7W
TRR	eP	V	12	04	29.0	1		4.5S, 144.6E
TAU	eL	$N_1E_1Z_1$	17	26	4	18		21.0S, 168.4E
TAU	iP	ZV	19	00	58.0	½	+	C
	i(sP)	EZV		01	16.8	¾	+	
	eL	N_1Z_1		27	8	36		57.5S, 26.7W
TAU	eS	N_1	20	48	03	26		5.1S, 151.9E
	eL	$N_1E_1Z_1$		52	6	34		
TAU	eT	NEZV	20	27	19.5	½		
	Tmax	NEZV		27	41.2	½		
MOO	iT	V	20	27	27.5	½	+	
	Tmax	V		28	09.5	½		
TRR	iT	V	20	27	34.5	½	+	
	Tmax	V		28	08.0	½		
MOO	iP	V	04	29	38.0	1	+	C
	iPcP	V		32	37.6	1	-	
TRR	iP	V	04	29	40.0	1	+	C
	iPcP	V		32	37.0	1	-	
TAU	iP	NEZV	04	29	47.3	1	+	C
	i(pP)	E_1Z_1		29	56	15	- +	
	ePcP	Z		32	38.4	1½		17.4S, 167.7E
	e(S)	$N_1E_1Z_1$		34	30	27		
	iL	N_1E_1		36	4	51	+ -	
	iL	Z_1		38	0	29	+	
	M	$N_1E_1Z_1$		40	0	16		
	e	N_1F_1	06	16	6	92		
TAU	eL	E_1Z_1	07	17	1	23		
TAU	eL	$N_1E_1Z_1$	07	31	1	23		17.4S, 167.8E
	M	E_1Z_1		32	0	18		
	M	N_1		34	5	18		
TAU	eS	N_1Z_1	08	07	47	28		17.4S, 167.9E
	e	E_1Z_1		09	02	15		
	eSS	N_1		09	47	21		
	eL	$N_1E_1Z_1$		10	9	24		
	M	$N_1E_1Z_1$		13	0	16		
MOO	iP	V	08	09	55.5	¼	+	C
TRR	iP	V	08	09	58.5	1	+	C
TAU	i	Z	08	10	18.1	1	-	
	iS	N_1Z_1		14	51	22	-	- 17.2S, 168.0E
	eSS	N_1E_1		16	31	54		
	eL	$N_1E_1Z_1$		18	1	25		
	M	$N_1E_1Z_1$		20	2	16		
MOO	iP	V	11	07	17.5	1	+	C
	iPcP	V		09	52.5	1	-	13.3S, 167.3E
	iScP	V		13	19.5	1	+	
TRR	iP	V	11	07	19.5	1½	+	C
	iPcP	V		09	53.0	1	-	
	iScP	V		13	20.5	1	+	
TAU	iP	NEZV	11	07	20.1	1	+ + +	C
	iPcP	ZV		09	57.5	1	-	H 11 00 51
	iS	N_1		12	32	10	-	[illegible]
	eS	NEZV		13	20.4	1	-	
	eSS	$N_1E_1Z_1$		15	31		+ -	

No.	Date	Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. N E Z	Remarks
514	6	TAU	eL	$N_1E_1Z_1$	12	13.1		20		17.4S, 167.8E
			M	$N_1E_1Z_1$		16.0		17		
515	6	TAU	eL	$N_1E_1Z_1$	18	15.0		22		17.6S, 168.0E
			M	$N_1E_1Z_1$		16.4		20		
516	6	MOO	iP	V	23	37	38.5	1	-	D
		TAU	eP	ZV	23	37	41.4	1		
			e	N_1		37	54	14		17.5S, 167.6E
			iS	$N_1E_1Z_1$		42	40	18	+	
			eL	N_1E_1		44.4		41		
			eL	Z_1		46.2		30		
			M	Z_1		47.9		19		
			M	N_1F_1		48.3		16		
		TRR	iP	V	23	37	41.0	1	-	D
517	7	TAU	eL	$N_1E_1Z_1$	01	03.6		29		17.7S, 167.8E
			M	N_1		04.5		24		
			M	Z_1		05.3		19		
			M	E_1		06.2		15		
518	7	TAU	iP	EZV	16	12	24.2	¾	-	D
		MOO	iP	V	16	12	26.0	1	-	D
										57.8S, 25.5W
519	7	TAU	eL	N_1E_1	17	02.1		23		17.7S, 167.5E
520	8	TRR	iP	V	19	01	19.5	¾	-	D
		TAU	iP	ZV	19	01	22.3	¾	-	D
										10.3S, 161.4E
521	8	TRR	iP	V	22	07	34.0	1	-	D
			isP	V		07	46.5	1	+	
		TAU	iP	NEZV	22	07	46.1	1	-	D
			isP	V		07	59.0	1	-	
			iPcP	N_1Z_1Z		08	05.8	2, 15	-	H 21 56 32
			iS	$N_1E_1Z_1$		16	56	21	- + -	△70°6, h 0.00
			i	N_1		17	27	42	+	
			iScS	N_1E_1		17	40	8	+ +	
			eSS	N_1E_1		21	29	32		24.3N, 121.7E
			eSSS	N_1Z_1		24	34	24		
			eG	N_1E_1		26.9		66		
			M	E_1		32.0		30		
			M	N_1Z_1		35.2		24		
		MOO	i	V	22	07	47.5	1½	-	
522	9	TAU	eT	V	00	43	05.5	½		
			Tmax	V		43	25.5	½		
		MOO	eT	V	00	43	06.0	¼		
			Tmax	V		43	48.5	½		
		TRR	eT	V	00	43	14.5	½		
			Tmax	V		43	35.5	½		
523	9	TRR	iP	V	20	22	04.0	1	+	C
		MOO	iP	V	20	22	04.5	1	+	C
		TAU	iP	V	20	22	07.5	¾	+	C
										3.2S, 148.2E
524	10	SAV	eP	V	22	00	35.0	¾		
		TAU	iP	Z	22	00	37.8	1	+	C
			eS	E_1		07	23	16		
			eL	$N_1E_1Z_1$		13.4		30		15.1S, 173.3W
			M	N_1		15.0		18		
			M	E_1Z_1		17.0		18		
		TRR	iP	V	22	00	39.5	1	+	C
525	12	TAU	eL	$N_1E_1Z_1$	01	58.3		21		33.1S, 178.2W
			M	E_1		02.7		17		
526	12	SAV	iP	V	15	08	10.0	¼	+	C
		MOO	iP	V	15	08	17.0	¼	+	C
		TAU	(eP)	NEZ		08	26.6	½		
527	13	TAU	eL	$N_1E_1Z_1$	07	50.0		12		16.7S, 167.9E
528	13	TAU	iP	NEZV	08	33	17.1	¾	+	C
			e(L)	N_1		37	41	18		38.2S, 175.9E
		MOO	iP	V	08	33	18.5	1	+	C
		TRR	iP	V	08	33	23.0	½	+	C
529	13	TAU	e(L)	E_1	11	29	28	22		
530	13	TAU	eL	$N_1E_1Z_1$	11	39.6				17.4S, 167.5E

No.	Date	Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. N E Z	Remarks
531	13	SAV	iP	V	18	54	24.0	½	-	D
			i	V		54	39.5	½	-	
		MOO	iP	V	18	54	31.0	½	-	D
			i	V		54	47.5	½	-	
		TAU	iP	V	18	54	32.0	½	-	D
			ipP	V		54	43.0	½	-	
			iS	$N_1E_1Z_1$	19	00	06	8	+ + -	H 18 47 35
			e	N_1E_1		00	26	26		△35°7, h 0.00
			eL	N_1E_1		02.2		36		
			eSS	Z_1		02	30	21		12.6S, 166.6E
			eL	Z_1		04.0		29		
			M	$N_1E_1Z_1$		04.3		29		
		TRR	i	V	18	54	44.5	½	-	
532	14	TAU	e(P)	NE	00	35	46.3	¾		33.4S, 179.3W
			e(SS)	N_1		41	45	22		
			eL	E_1Z_1		43.2		31		
			M	E_1Z_1		43.8		30		
533	14	TAU	eSS	N_1	05	16	22	16		17.5S, 167.7E
			eL	E_1Z_1		18.1		20		
			M	E_1		19.9		14		
			M	N_1Z_1		20.4		15		
534	14	TAU	eL	N_1Z_1	15	50.5		21		31.8N, 131.5E
535	14	TAU	eP	NE	21	21	02.6	½		Local
			iS	NE		21	21.3	½	+ +	
536	15	TAU	e(L)	N_1	05	32	13	23		
			eL	E_1Z_1		34.4		22		
537	15	MOO	eP	V	14	05	42.0	1		33.1S, 178.5W
		TAU	eL	N_1	14	13.9		16		
			eL	E_1Z_1		14.5		22		
			M	E_1Z_1		17.7		18		
538	15	TAU	eL	N_1E_1	21	38.0		24		65.0S, 178.2E
			eL	Z_1		39.0		21		
539	15	TAU	iP	NEZV	23	40	22.8	¼	- - +	C
			iPP	V		40	33.5	½	+	
			i	$N_1E_1Z_1$		40	28	26	+ -	43.5S, 169.8E
			e(S)	NEV		43	12.3	½		
			iL	$N_1E_1Z_1$		43.5		7,19	+ -	
			M	N_1		44.6		14		
			M	E_1Z_1		45.2		18		
			eT	NEZV		55	05.0	½		
			Tmax	NEV		56	14.3	½		
		MOO	iP	V	23	40	27.5	¼	+	C
			eS	V		43	30.0	1		
			eT	V		55	08.5	½		H 23 36 36
			Tmax	V		56	48.0	¼		△16°6
540	16	TAU	eL	N_1E_1	03	03.2		23		17.1S, 167.7E
			eL	Z_1		04.6		24		
			M	N_1E_1		06.6		15		
541	16	TAU	eL	$N_1E_1Z_1$	05	35.9		19		17.1S, 167.6E
			M	N_1E_1		38.0		16		
542	16	MOO	iP	V	09	56	34.5	¾	-	D
		TAU	iP	ZV	09	56	36.1	½	-	D
		TRR	iP	V	09	56	37.5	1	-	D
										16.9S, 169.4E
543	16	TAU	eSS	N_1	18	34	50	20		51.6N, 175.8W
			eG	$N_1E_1Z_1$		43.8		40		
544	18	MOO	iP	V	04	14	07.0	1	+	C
			i	V		14	32.0	1	-	
		TAU	iP	EZV	04	14	09.8	1	+	C
			eS	N_1E_1		20	26	34		
			eSS	N_1Z_1		23	36	32		8.9S, 117.0E
			eL	N_1E_1		25.7		37		
			eL	Z_1		27.3		39		
			M	$N_1E_1Z_1$		30.5		23		
545	18	TRR	iP	V	08	53	34.5	1	-	D
		MOO	iP	V	08	53	35.0	1	-	D
		TAU	iP	ZV	08	53	37.0	1	-	D
										46.5N, 149.6E
546	18	TAU	eP	V	09	59	21.0	½		Local
			eS	NEZV		59	37.0	½		
		MOO	e(S)	V	09	59	39.5	½		

No.	Date	Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. N E Z	Remarks
547	18	TAU	e	Z_1	16	34	36	27		
			eL	Z_1		36.6		21		
			eL	N_1E_1		37.4		19		
548	19	TAU	eL	$N_1E_1Z_1$	04	09.2		17		
549	19	TAU	eL	Z_1	08	26.5		12		
550	19	TAU	(eP)	ZV	08	46	12.3	¾		
			(e)	ZV		46	34.7	1		
			(eL)	E_1Z_1		48	50	16		
551	19	TAU	eP	V	09	51	43.5	¾		56.3S, 26.2W
			eL	$N_1E_1Z_1$	10	16.5		26		
552	19	TAU	eL	$N_1E_1Z_1$	11	11.9		44		10.6N, 125.2E
553	19	TAU	iP	EZV	17	19	36.8	½	-	D
			e(SS)	N_1Z_1		25	47	23		
		MOO	eP	V	17	19	37.5	½		32.9S, 179.9E
554	19	TAU	eL	E_1Z_1	22	31.1		34		10.8N, 108.3W
555	19	TRR	iP	V	23	49	48.5	¾	-	D
			iPcP	V		51	53.0	1	+	
		MOO	iP	V	23	49	52.0	1	-	D
			i	V		51	56.5	1	+	
		TAU	iP	NEZV	23	49	54.6	1	-	D
			iPcP	NZV		51	55.5	1	-	
			iS	N_1E_1		55	46	16	+	H 23 42 37
			eSS	$N_1E_1Z_1$		58	31	32		△40°4, h 0.03 ca
			eL	E_1	24	02.7		29		
			eL	N_1Z_1		04.1		28		5.7S, 130.3E
			M	E_1		05.3		18		
			M	N_1Z_1		08.0		16		
556	20	TRR	iP	V	05	37	49.5	1	-	D
		MOO	iP	V	05	37	53.0	1	-	D
			iPP	V		39	23.0	¾	+	
		TAU	iP	NEZV	05	37	56.2	1	-	D
			ePP	ZV		39	27.7	¾		
			eL	$N_1E_1Z_1$		52.3		22		6.7S, 130.1E
557	21	TAU	iP	NZV	23	23	05.9	½	- +	C
										55.9S, 27.8W
558	22	TAU	eL	$N_1E_1Z_1$	04	52.1		26		3.4S, 145.3E
559	25	TAU	eL	N_1E_1	03	53.7		17		17.8S, 167.7E
			M	N_1E_1		55.2		14		
560	25	TRR	iP	V	09	42	48.5	1	+	C
			iPP	V		44	46.0	1½	-	
			iPPP	V		45	02.0	1½	-	
		MOO	iP	V	09	42	51.0	1½	+	C
			i(PP)	V		44	42.5	1	-	
			i(PPP)	V		45	03.5	1	-	
		TAU	iP	NEZV	09	42	53.9	1½	- +	C
			iPP	V		44	49.5	1½	-	
			iPPP	V		45	07.5	1½	-	H 09 34 12
			iS	N_1E_1		49	50	20	+	△48°6, h 0.005
			eSS	$N_1E_1Z_1$		53	18	34		
			eL	E_1		56.8		31		
			eL	N_1Z_1		58.8		40		3.0N, 126.7E
			M	E_1	10	04.8		22		
			M	N_1Z_1		08.9		18		
561	25	TRR	e(P)	V	12	43	58.0	½		15.4S, 179.0W
562	25	MOO	ePP	V	16	13	05.5	2		8.4N, 82.6W
		TAU	eSS	E_1	16	30	35	24		
563	25	TAU	iP	NEZV	10	10	32.9	2,4,9	+ - +	C
			iPP	V		10	55.5	¾	+	
			eiS	N_1E_1		13	56	27	+ +	H 20 10 16
			eL	E		14.3		10		△18°6
			i	N		14	29.1	3	+	
			eL	Z_1		14.7		23		
			M	E_1		15.5		12		61.4S, 154.9E
			eL_E	NZV		15.6		13		
			M	N_1Z_1		15.8		29		
		MOO	iP	V	20	10	39.5	1	+	C
			eL_E	V		16.6		10		
		TRR	iP	V	20	10	41.5	1¼	+	C
			eL_E	V		16.2		9		
564	25	TAU	iP	ZV	21	25	08.4	1	+	C
		TRR	iP	V	21	25	13.0	1	-	C

No.	Date	Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. N E Z	Remarks
565	26	TAU	iS	E_1	07	31	44	11	-	17.7S, 16
			e(sS)	N_1		32	05			
			eI	$N_1E_1Z_1$		33.7		28		
			M	N_1E_1		36.7		16		
			M	Z_1		40.4		16		
566	26	TAU	iP	NEZV	16	10	51.1	¾	- + -	D
			iPcP	V		10	58.5	¼	-	
			e(SKS)	E_1		21	11	20		
			eSS	N_1		26	27	18		55.5S, 16.
			e	E_1		31	54	28		
			eL	E_1		35.7		43		
			M	E_1		39.2		22		
			eL	N_1Z_1		42.9		22		
			M	N_1Z_1		46.2		18		
		MOO	iP	V	16	10	55.5	1	-	D
		TRR	iP	V	16	10	56.0	1	-	D
567	26	TAU	iP	NEZV	22	21	19.1	¼	- -	D
		MOO	iP	V	22	21	23.5	¼	-	D
										55.7S, 26.
568	27	TAU	eS	N_1E_1	06	18	05	20		
			eI	$N_1E_1Z_1$		25.0		29		
			M	Z_1		27.9		20		
569	27	TAU	eL	$N_1E_1Z_1$	13	47.7		16		18.0S, 167
570	27	TAU	eL	$N_1E_1Z_1$	22	27.4		24		
571	28	TRR	iP	V	15	08	45.0	1	-	C
			iPcP	V		10	17.0	1	+	0.1N, 123.
		MOO	iP	V	15	08	48.0	¾	+	C
			iPcP	V		10	18.0	1	-	
		TAU	iP	EZV	15	08	51.0	1	-	C
			iPcP	ZV		10	19.5	¾	-	
572	28	TAU	e	NEZV	20	42	04.5	¼		Local
573	29	TAU	eL	N_1	07	54.1		32		
			eL	E_1Z_1		58.2		32		
574	29	TAU	e	E_1	16	29	23	9		
			eL	$N_1E_1Z_1$		44.5		31		
575	29	TAU	i	$N_1E_1Z_1$	21	24	04	16	-	
			eL	$N_1E_1Z_1$		38.7		31		
576	30	MOO	eP	V	01	58	23.0	1½		54.2S, 9.1E
		TAU	iP	NEZ	01	58	31.1	2	-	D
			iS	$N_1E_1Z_1$	02	08	17	20	-	
			ePS	$N_1E_1Z_1$		09	01	34		
			eSS	N_1E_1		13	04	17		
			eG	N_1E_1		18.0		61		
			eL	Z_1		21.5		34		
			M	N_1Z_1		24.0		47		
577	30	TAU	eSS	N_1E_1	09	09	51	24		12.5N, 88.0
			eL	$N_1E_1Z_1$		29.4		29		
			M	E_1Z_1		35.7		18		
578	30	TAU	eL	$N_1E_1Z_1$	15	37.0		22		
579	30	TAU	e	N_1	15	48	53	15		
			e(S)	N_1		53	16	25		
			eL	$N_1E_1Z_1$		56.7		42		
			M	E_1		59.9		21		
			M	N_1Z_1	16	04.7		15		
580	30	TAU	eL	$N_1E_1Z_1$	16	33.3		29		
581	31	TAU	eL	E_1	04	38.1		15		
582	31	TAU	ePS	E_1	12	02	52	20		5.6N, 82.6W
			eSS	$N_1E_1Z_1$		09	51	25		
			eG	N_1E_1		23.9		39		
			eL	$N_1E_1Z_1$		29.5		29		
			eW_2	N_1	13	11.9		73		
583	31	TAU	eL	E_1Z_1	23	25.1		24		

International Seismological Centre

PROVISIONAL BULLETIN NOVEMBER 1962

Instruments: TAU: N_1, E_1, Z_1, N, E, Z(1st-25th only), V; MOO: V; TRR: V; SAV: V(intermittent only)

Epicentre locations quoted are those given by U.S.C.G.S.

Seismograms read by Lesley Read.

No.	Date	Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. N E Z	Remarks
584		TAU	iP	FZV	09	53	09.8	½	+	C
										23.7S, 179.6W
585	1	TAU	eL	$N_1E_1Z_1$	14	05	8	25		17.6S, 168.5E
586	1	MOO	eP	V	15	41	44.0	1		
			iPcP	V		43	20.0	1½	-	
		TAU	iP	NFZV	15	41	49.7	½	-	D
			iS	$N_1E_1Z_1$		48	34	18	+ -	
			iSS	N_1E_1		51	47	31	-	H15 33 26
			eSS	Z_1		52	48	14		Δ46°.7, h0.00S
			eL	N_1E_1		53.6		63		
			iL	Z_1		55.3		54	-	1.9N, 133.0E
			M	F_1		58.9		22		
			M	N_1Z_1	16	01.9		21		
587	1	MOO	eP	V	18	00	43.0	1½		
		TAU	iP	NEZV	18	00	47.1	1½	+	C
			iS	$N_1E_1Z_1$		07	29	22	+	
			iSS	N_1E_1		10	58	32	+	1.9N, 132.8E
			eL	N_1E_1		12.7		62		
			eL	Z_1		14.3		53		
			M	E_1		17.7		22		
			M	N_1Z_1		20.7		22		
588	2	TAU	eP	NEZV	01	14	23.4	½		H 01 11 22.4
			eS	NZV		16	44.3	½		Δ12°.7
			eT	NEZV		26	50.0	½		
			Tmax	V		27	17.5	½		
		MOO	eP	V	01	14	31.0	1		
589	2	TAU	eSS	E_1Z_1	07	07	50	17		17.7S, 167.5E
			eL	N_1E_1		09.1		18		
			eL	Z_1		11.1		13		
590	2	MOO	iP	V	14	54	24.0	1	-	D
		TAU	eP	V	14	54	27.0	½		
			iS	N_1E_1	15	00	42	24	- +	10.0S, 117.8E
			iSS	$N_1E_1Z_1$		03	42	16	-	
			eL	$N_1E_1Z_1$		06.1		36		
			M	N_1E_1		09.2		24		
			M	Z_1		14.8		16		
591	3	MOO	iP	V	01	07	20.0	1½	-	D
		TAU	iP	ZV	01	07	22.8	1½	-	D
			e	N_1		13	31	21		
			eL	$N_1E_1Z_1$		17.6		19		7.9S, 158.3E
592	3	TAU	eL	$N_1E_1Z_1$	18	17.3		22		37.6S, 179.5E
			M	E_1Z_1		19.4		20		
593	4	TAU	iP	NEZV	23	06	11.6	1	+ --	D
			epP	V		06	22.5	½		
			e(S)	N_1E_1		16	52	24		43.2S, 75.6W
			eSS	N_1		22	34	20		
		MOO	iP	V	23	06	15.0	1	-	D
			epP	V		06	24.0	1		
594	5	TAU	iP	Z	00	17	59.3	1	+	C
			e	Z_1		22	41	25		
			e	E_1		23	23	30		
			eL	$N_1E_1Z_1$		24.6		23		
			M	E_1Z_1		26.7		20		
		MOO	eP	V	00	18	01.5	1		
		TRR	eP	V	00	18	05.0	1		
595	5	TAU	eL	$N_1E_1Z_1$	21	24.2		28		49.8S, 114.9W
596	6	TAU	eL	$N_1E_1Z_1$	01	02.6		30		28.0N, 55.6E
597	6	TAU	eL	E_1Z_1	04	35.2		23		45.8N, 122.5W
598	6	TAU	eS	N_1	21	06	33	16		10.5N, 121.9E
			eSS	$N_1E_1Z_1$		10	57	21		
			eL	$N_1E_1Z_1$		17.5		28		
599	6	TAU	eL	$N_1E_1Z_1$	21	45.7		48		4.9S, 153.7E

No.	Date	Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. N E Z	Remarks
600	7	TRR	eP	V	16	10	40.0	1		7.8S, 119.8E
			ePcP	V		12	34.5	½		
			(iScP)	V		16	04.0	½		
		MOO	iP	V	16	10	44.0	1	+	C
			e	V		11	27.0	½		
			iPcP	V		12	37.5	1	-	
		TAU	iP	NEZV	16	10	46.7	1	+	C
			iS	E_1		16	54	23	-	
			eaS	N_1		17	54	28		H16 03 09
			iSS	N_1E_1		20	11	21	+	Δ42°.1, h 0.02
			eL	N_1E_1		21.3		64		
			eL	Z_1		25.5		29		
601	8	MOO	iP	V	00	52	20.5	1	-	D
		TRR	iP	V	00	52	24.0	½	-	D
602	8	TAU	eSS	E_1	01	05	17	24		4.4S, 105.5W
			e	N_1		15	35	40		
			eL	$N_1E_1Z_1$		19.4		33		
603	8	TAU	eL	E_1Z_1	08	01.5		33		20.1S, 168.6E
			eL	N_1		02.7		18		
			M	E_1Z_1		06.3		17		
604	8	MOO	iP	V	10	09	48.5	1	-	D
		TAU	iP	Z	10	09	50.7	1	-	D
		TRR	iP	V	10	09	51.8	½	-	D
										14.7S, 167.1E
605	8	TAU	eL	$N_1E_1Z_1$	18	58.6		22		17.9S, 167.9E
606	8	TAU	eL	$N_1E_1Z_1$	20	34.9		21		
607	8	TAU	eL	$N_1E_1Z_1$	22	03.5		25		52.0N, 174.9E
608	9	TAU	eL	$N_1E_1Z_1$	16	27.7		17		
609	9	TAU	eL	E_1Z_1	20	48.7		14		
610	10	TRR	eP	V	01	46	13.0	¾		43.8N, 147.2E
		MOO	eP	V	01	46	13.5	¾		
		TAU	eP	ZV	01	46	15.1	¾		
			i(SKS)	N_1		56	19	36	+	
			e(S)	E_1		56	30	28		
			eSS	E_1	02	02	18	22		
			eSSS	N_1		08	09	35		
			eG	E_1		09.5		62		
			eL	N_1		10.8		32		
			eL	Z_1		14.0		37		
611	10	TAU	eL	E_1	02	52.0		19		12.8N, 143.6E
			eL	N_1		53.4		29		
			M	E_1		59.3		14		
			M	N_1Z_1	03	01.7		14		
612	10	TAU	eL	N_1E_1	21	32.3		34		9.8S, 123.8E
613	11	TAU	eL	$N_1E_1Z_1$	08	09.2		28		23.9S, 69.5E
614	11	TAU	eL	E_1	11	02.5				23.8S, 69.4E
615	11	TAU	eP	V	11	20	56.5	¾		
616	11	TAU	eL	$N_1E_1Z_1$	12	35.4		24		55.8N, 113.1E
617	11	MOO	iP	V	16	16	35.5	1½	+	C
			iPcP	V		19	14.0	1	+	
		TRR	iP	V	16	16	37.0	1½	+	C
			iPcP	V		19	14.0	1	+	
		TAU	iP	NEZV	16	16	37.9	1	+ ++	C
			iPcP	NEZV		19	14.1	1	- ++	
			iS	$N_1E_1Z_1$		22	00	22	- +	H18 09 52
			iSS	E_1		22	31	8	+	Δ34°.4, h0.00S
			eL	N_1E_1		24.2		31		
			eL	Z_1		25.3		48		12.9S, 166.8E
			M	$N_1E_1Z_1$		26.6		23		

No.	Date	Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. N E Z	Remarks
611	11	TAU	iP	NEZV	22	26	57.0	1		C
			e	N_1		39	04	33		
			eSS	N_1E_1		43	16	22		43.2S, 76.0W
			eL	N_1E_1		50.1		36		
		MOO	eP	V	22	26	58.5	1		
619	12	MOO	eP	V	13	00	38.0	1		26.0N, 128.4E
620	13	TAU	iP	NEZV	22	00	00.0	1	-	D
			e	ZV		00	21.7	1		
		MOO	iP	V	22	00	02.5	1	-	D
		TRR	eP	V	22	00	03.0	1		56.9S, 29.0W
621	14	TRR	eP	V	05	22	14.0	½		15.4S, 168.0E
622	14	TAU	eP	V	07	30	31.0	¾		26.5S, 176.2W
		TRR	eP	V	07	30	34.0	¾		
623	14	TRR	eP	V	08	00	00.5	1		35.7N, 140.8E
			e	V		00	10.5	1		
		MOO	eP	V	08	00	08.0	1		
		TAU	eP	V	08	00	14.0	¾		
624	14	TAU	e(P)	NEZV	22	08	07.2	1		0.3S, 123.0E
			eSS	E_1		18	07	19		
625	15	SAV	eP	V	16	31	58.0	1		6.9S, 146.7E
		TRR	iP	V	16	32	02.5	1	-	D
			iaP	V		32	20.0	¾	+	
		MOO	iP	V	16	32	04.0	1	-	D
		TAU	iP	NEZV	16	32	07.0	1	+ -	
			e(S)	N_1		38	24	23		
			eL	$N_1E_1Z_1$		43.4		17		
626	15	TAU	ePS	N_1E_1	23	54	23	35		8.7S, 79.8W
			eSS	N_1E_1	24	00	43	25		
627	16	SAV	iP	V	02	26	15.5	¾	+	C
		MOO	eP	V	02	26	18.0	1		18.0S, 178.4W
		TRR	iP	V	02	26	21.0	½	+	C
628	16	TAU	eP	EZ	07	30	25.8	1½		32.3S, 111.1W
			e	V		30	27.0	1		
			iS	N_1E_1		40	15	20	+ +	
			eSS	N_1E_1		44	56	29		
			e(SSS)	N_1E_1		48	21	28		
			eL	$N_1E_1Z_1$		50.1		27		
			M	Z_1	08	04.5		16		
		MOO	eP	V	07	30	27.0	1		
		TRR	eP	V	07	30	29.5	2		
629	16	TRR	iP	V	10	02	18.5	1	-	D
		TAU	iP	V	10	02	22.0	¾	-	D
										19.0N, 143.5E
630	16	TRR	iP	V	21	21	35.5	1	-	D
		SAV	eP	V	21	21	37.5	1		
		MOO	iP	V	21	21	40.5	1	-	D
		TAU	iP	NEZV	21	21	40.5	1	-	D
			eS	N_1Z_1		31	24	28		
			eSS	N_1E_1		36	24	27		13.5N, 93.2D
			eSSS	N_1		40	08	51		
			eL	$N_1E_1Z_1$		44.2		30		
			M	E_1		53.3		22		
			M	Z_1		56.5		20		
631	17	SAV	(eP)	V	00	54	24.0	¾		
		TAU	(eP)	V	00	54	40.0	½		
632	17	SAV	iP	V	14	29	34.0	¾	-	D
		TRR	iP	V	14	29	35.0	¾	-	D
		TAU	eP	ZV	14	29	40.4	¾		2.8N, 131.7E
633	18	TRR	eP	V	08	51	40.0	1		0.2S, 125.1E
		TAU	eL	N_1E_1	07	09.2		22		
634	19	TRR	eP	V	04	26	44.5	1		34.3N, 122.6E
635	19	TAU	eS	N_1E_1	10	33	48	26		30.0S, 114.3W
			eL	$N_1E_1Z_1$		43.4		29		
			M	$N_1E_1Z_1$		44.5		37		

No.	Date	Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. N E Z	Remarks
636	19	TAU	eL	N_1E_1	12	53.6		22		
637	19	TAU	iP	NEZV	14	03	07.3	1	-	D
			e	N_1		03	33	20		
			iL	N_1E_1		06.6		26	+	60.7S, 152.9E
			eL	Z_1		07.4		22		
			M	N_1E_1		07.8		17		
			M	Z_1		08.4		16		
		MOO	iP	V	14	03	14.5	1	-	D
		TRR	iP	V	14	03	18.0	1	-	D
		SAV	iP	V	14	03	21.5	¾	-	D
638	20	TRR	iP	V	10	18	15.5	¾	-	D
		TAU	iP	ZV	10	18	18.4	¾	-	D
										6.1S, 154.5E
639	20	TAU	eP	NEZ	22	46	55.7	¼		
			eT	NEZ		59	52.6	¼		
			Tmax	NEZ	23	00	21.6	¼		
640	20	TAU	eT	NEZ	23	19	48.0	¼		
			Tmax	NEZ		20	22.4	¼		
641	22	TRR	iP	V	07	43	35.0	¾	-	D
		TAU	eL	$N_1E_1Z_1$	07	52.2		18		18.2S, 167.6E
642	22	TAU	eL	$N_1E_1Z_1$	11	02.2		30		
643	22	TAU	eSS	N_1	20	45	47	22		30.2S, 178.6W
			eL	E_1Z_1		46.9		26		
644	23	TAU	eL	E_1	00	14.6		16		
645	23	TAU	ePS	N_1E_1	00	58	42	23		15.1S, 75.3W
			eSS	N_1E_1	01	04	34	24		
			eL	N_1E_1		21.6		29		
646	24	MOO	iP	V	10	39	55.5	1	-	D
			ePcP	V		42	30.5	1		24.8S, 180.0
			ePcP	V		45	27.5	1		
		TAU	iP	NEZV	10	39	55.9	½	-	D
		TRR	iP	V	10	40	00.0	1	-	D
			iPcP	V		42	31.0	1	+	
647	24	TAU	iPKP	ZV	16	39	27.9	1	-	D
			i	V		39	36.0	1	+	9.8N, 40.7W
		MOO	iPKP	V	16	39	30.5	1	-	D
			i	V		39	38.0	1	-	
		TRR	iPKP	V	16	39	36.5	1½	-	D
648	24	TAU	eSS	N_1E_1	17	39	35	31		2.5S, 148.9E
			eL	N_1E_1		41.2		38		
			eL	Z_1		44.5		28		
649	25	TAU	eL	N_1E_1	10	19.4		28		10.6N, 125.2E
650	25	SAV	eP	V	15	03	05.0	¾		5.9S, 148.4E
		TAU	eL	E_1	15	14.1		25		
651	26	SAV	eP	V	16	05	51.5	1½		23.8S, 175.8W
652	27	TRR	eP	V	03	31	50.0	½		Local
			eS	V		32	09.0	½		
		MOO	e	V	03	32	24.5	½		
		TAU	e	V	03	32	36.5	½		
653	27	TRR	iP	V	07	03	59.0	1	-	D
			ipP	V		04	38.5	1	+	25.1N, 122.9E
		MOO	iP	V	07	04	01.0	1	-	D
			ipP	V		04	40.5	1	+	
		TAU	iP	V	07	04	03.5	1	-	D
			ipP	V		04	43.0	1	+	
654	27	SAV	iP	V	12	17	42.0	½	-	D
		TRR	eP	V	12	17	44.0	½		14.9N, 119.9E
		TAU	iP	V	12	17	48.0	1	-	D

No.	Date	Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. N E Z	Remarks
655	27	SAV	eP	V	16	58	52.5	1½		12.2N, 143.8E
		TRR	iP	V	16	59	53.0	1½	+	C
656	28	SAV	iP	V	02	45	10.5	1	+	C
		TRR	iP	V	02	45	15.0	1	+	C
		MOO	eP	V	02	45	16.5	1		
		TAU	eP	V	02	45	18.5	1		12.1N, 143.7E
657	28	TRR	iP	V	15	37	15.0	½	+	C
			ePcP	V		37	35.5	½		9.9N, 93.4E
		SAV	iP	V	15	37	16.5	1	+	C
		TAU	iP	V	15	37	19.5	½	+	C
			iPcP	V		37	40.0	½	+	
658	29	TAU	iP	V	04	04	40.0	1	+	C
		MOO	iP	V	04	04	40.5	1	+	C
		TRR	iP	V	04	04	45.0	1	+	C
										29.4S, 177.9W
659	29	TAU	eP	V	09	11	00.5	½		22.3S, 175.9W
		TRR	eP	V	09	11	02.0	1		
		MOO	e	V	09	11	09.5	1		
660	29	TRR	iP	V	12	54	02.0	½	-	D
		TAU	iP	V	12	54	06.0	½	-	D
										13.9N, 145.4E
661	29	SAV	iP	V	19	12	53.5	1		
		MOO	iP	V	19	12	55.0	1		
			iScP	V		19	41.5	1		
		TAU	iP	V	19	12	57.0	1½		
		TRR	iP	V	19	12	57.5	1½		

International Seismological Centre

MAY 03 1965

Arc #64-A1462 - Francesca Bot 2

PROVISIONAL BULLETIN DECEMBER 1962

Instruments: TAU: N, E, Z, N_1, E_1, Z_1 (8 – 31 st only); V. MOO: V. TRR: V. SAV: V.

Epicentre locations quoted are those given by U.S.C.G.S.

Seismograms read by Lesley Read.

No.	Date	Stn.	Phase	Comp.	Time (GMT) h	m	s	Per. s	Amp. M	E	Z	Remarks
662	1	SAV	iP	V	04	23	13.5	1		–		D
			eP	V			26	09.0	1			29.7S, 177.7W
		MOO	iP	V	04	23	14.0	1		–		D
			iPcP	V			26	09.0	1	+		
		TRR	iP	V	04	23	18.0	1½		–		D
663	1	MOO	iP	V	21	09	20.0	1		–		D
		TAU	iP	V	21	09	21.0	½		–		D
		TRR	iP	V	21	09	23.5	1		–		D
												17.7S, 178.7W
664	4	TAU	iP	V	10	41	41.0	1		+		C
												6.1S, 144.9E
665	4	TAU	eP	V	16	48	01.0	1				16.5S, 173.8W
666	4	TAU	iP	V	19	39	49.0	¾		–		D
												4.9N, 122.8E
667	7	TRR	iP	V	14	14	15.5	¾		–		D
			epP	V			15	50.0	1½			29.2N, 139.2E
		MOO	iP	V	14	14	15.5	¾		–		D
			epP	V			15	50.0	1½			
		TAU	iP	V	14	14	18.0	¾		–		D
			epP	V			15	54.0	2½			
668	8	TAU	iP	$N_1E_1Z_1$	18	26	29	12		– +		C
			e	$N_1E_1Z_1$			32	08	26			
			i	N_1Z_1			33	10	28	+		15.2S, 173.7W
			eSS	N_1E_1			36	05	36			
			eL	N_1			37.1		39			
			iL	E_1Z_1			38.8		34	+		
			M	N_1Z_1			39.8		34			
669	8	TAU	eP	Z_1	21	40	36	16				25.8S, 63.4W
			ipP	$N_1E_1Z_1$			42	46	22	–		
			ePP	N_1Z_1			45	02	26			
			e	Z_1			47	50	20			
			iSKS	$N_1E_1Z_1$			50	09	28	+ –		
			iS	N_1E_1			51	37	28	+ +		
			iSP	$N_1E_1Z_1$			53	19	36	+ –		
			iPS	N_1			54	37	48			
			i	N_1			57	41	32	+		
			iSS	N_1			59	26		–		
			e(SKKS)	N_1E_1	22	02	25	37		+		
			iSSS	N_1Z_1			03	31	29	+ +		
			e	N_1			07	12	24			
670	9	TAU	eL	N_1	14	31.3		32				22.4S, 177.9W
671	9	TAU	eL	N_1Z_1	14	45.6		36				4.7S, 153.7E
672	9	TAU	e(P)	Z	21	02	10.2	½				17.7S, 173.6W
			eS	N_1E_1			08	08	20			
			eL	N_1			11.8		36			
			eL	E_1Z_1			14.1		30			
			M	E_1Z_1			16.6		19			
673	10	TAU	eS	$N_1E_1Z_1$	05	16	12	22				28.3S, 62.7E
			eL	N_1			24.7		37			
			eL	$N_1E_1Z_1$			27.9		27			
674	10	TAU	eS	N_1	06	24	31	20				8.4S, 157.4E
			eSS	N_1E_1			26	58	36			
			eL	$N_1E_1Z_1$			28.9		47			
675	10	TAU	iP	NEZ	17	02	34.4	1		+		C
			eS	E_1			07	49				
			e	Z_1			08	15	17			27.2S, 176.8W
			eSSS	N_1			10	10	24			
			eL	$N_1E_1Z_1$			11.3		25			
			M	$N_1E_1Z_1$			15.8		18			
676	11	TAU	iP	NEZ	02	38	03.8	1½		–		D
			eL	$N_1E_1Z_1$			41.2		24			
		MOO	eP	V	02	38	05.5	1½				48.9S, 124.6E
		SAV	eP	V	02	38	12.5	2				
677	11	TAU	eP	ZV	17	58	29.1	1				24.8S, 177.6W
		MOO	e	V	17	58	30.5	1				
678	12	TAU	iP	NEZV	10	16	02.6	1		–		D
			e	N			16	23.7	1			
			ipP	NEZ			16	25.8	1		+	H 10 08 45
			ePP	N_1Z_1			17	42	12	+	+	△39°.9, h 0.01
			e	N_1			18	03	15			
			iS	$N_1E_1Z_1$			21	53	18	– –		4.8S, 153.6E
			ieS	E_1			22	30	12	–		
			e	N_1Z_1			24	56	18			
			eSSS	E_1			25	18	48	–		
			iL	$N_1E_1Z_1$			27.3		37	+	+	
			M	N_1Z_1			27.9		36			
679	12	TAU	iP	NZV	14	08	22.7	1		–		D
			eL	$N_1E_1Z_1$			33.4		49			60.3S, 25.9W
680	12	TAU	iP	NEZV	23	07	12.0	1		+		C
			i	V			07	29.5	¾	–		
			ePS	N_1E_1			16	37	38			4.6N, 96.5E
			eSSS	N_1E_1			23	28	44			
			eL	$N_1E_1Z_1$			27.3		37			
681	15	TAU	iP	V	02	44	34.0	¾		+		C
												17.3S, 178.9W
682	15	TAU	e	N_1	04	51	19	28				
			eL	$N_1E_1Z_1$			57.5		23			
683	15	TAU	eL	$N_1E_1Z_1$	14	40.3		26				
684	17	TAU	eS	E_1	02	29	42	24				4.2S, 127.6E
			e	N_1			30	12	9			
			eL	E_1			35.9		41			
			eL	N_1			37.0		30			
			eL	Z_1			39.3		15			
			M	N_1E_1			40.3		18			
			M	Z_1			42.4		19			
685	17	TAU	eL	$N_1E_1Z_1$	08	05.6		24				
686	17	TRR	iP	V	11	08	27.5	1		–		D
			iPcP	V			09	44.5	½	–		2.1N, 122.9E
			i5cP	V			13	00.0	¾	–		
		MOO	iP	V	11	08	30.5	1		–		D
		TAU	iP	NEZV	11	08	33.0	1		–		D
			iPcP	ZV			09	47.7	1	–		
			i5cP	ZV			13	02.7	1½	–		H 11 00 17
			i5	$N_1E_1Z_1$			15	11	19	+		△50°.0, h 0.06
			i5cS	N_1E_1			17	40	16	+		
			e	E_1Z_1			20	58	23			
			eL	$N_1E_1Z_1$			24.4		31			
			M	E_1Z_1			29.9		19			
687	17	TRR	iP	V	17	38	30.5	¾		–		D
												38.0N, 106.1E
688	18	TRR	iP	V	03	04	49.0	1		+		C
		MOO	iP	V	03	04	49.5	1		+		C
		TAU	iP	NZV	03	04	52.2	1	–	+		C
			iPcP	V			05	25.5	¾	–		21.6N, 143.1E
689	18	TAU	eL	$N_1E_1Z_1$	06	05.8		16				
690	18	TAU	eL	$N_1E_1Z_1$	07	26.7		24				
691	18	TAU	eL	$N_1E_1Z_1$	08	24.5		25				
692	18	TAU	iP	EZ	10	40	03.2	1		–		D
			ipP	Z			40	54.7	1¼	–		
			iPcP	Z			42	48.8	1	–		28.3S, 178.2W
			i(SSS)	$N_1E_1Z_1$			47	20	27			
693	19	MOO	iP	V	13	03	31.0	1		+		C
		TRR	iP	V	13	03	31.0	1		+		C
		TAU	iP	EZV	13	03	34.5	1		+ + +		C
			ipP	Z			03	56.9	1	+		
			ePPP	N_1			05	34	14			4.7S, 154.0E
			iS	N_1E_1			09	23	22	–		
			iSS	$N_1E_1Z_1$			12	22	22	+		H 12 56 19
			eL	$N_1E_1Z_1$			14.8		35			△38°.4, h 0.01
694	20	TAU	iP	ZV	08	40	07.5	1		–		D
			eL	E_1			54.3					20.0S, 174.1W
695	20	TAU	eP	NEZ	18	25	37.7	1				61.8S, 161.2E
			eL	$N_1E_1Z_1$			29.5		26			
			M	Z_1			31.7		15			
			eT	V			46	16.0	¾			
		TRR	eT	V	18	46	49.0	1				
696	21	SAV	eP	V	00	52	28.5	1				9.0S, 112.4E
		TAU	iP	NEZV	00	52	36.3	¾		–		D
			ipP	V			52	55.0	¾	–		
			ePP	N_1E_1			54	25	30			H 00 44 33
			eS	$N_1E_1Z_1$			59	03	17			△44°.0, h 0.00S
			eSS	$N_1E_1Z_1$	01	02	16	23				
			eL	N_1			03.8		50			
			eL	E_1Z_1			05.4		44			
			M	E_1			09.6		23			
			M	N_1			10.4		22			
			M	Z_1			11.5		22			
		TRR	i(PcP)	V	00	54	15.0	2		+		
697	21	TAU	eP	V	01	33	40.0	½				4.2S, 152.9E
698	21	TAU	iP	ZV	06	10	05.8	1		–		D
699	21	TAU	e	Z_1	08	57	30	13				52.4N, 160.5W
			e	N_1		59	56					
			ePP	N_1	09	00	49	22				
			e	E_1		06	40	16				
			eSK5	N_1E_1		07	12	17				
			iS	E_1		08	33	22	–			
			ePS	N_1Z_1		10	03	29				
			iSS	N_1E_1		15	32	24	–			
			eSSS	E_1		19	13	20				
			eL	$N_1E_1Z_1$		25.4		41				
700	21	SAV	iP	V	09	45	42.5	1½		–		D
			ipP	V		46	03.5	1½		–		42.4N, 142.3E
		TRR	iP	V	09	45	45.6	1		–		D
			ipP	V		46	04.0	1		–		
		MOO	iP	V	09	45	46.0	1		–		D
		TAU	iP	NEZV	09	45	47.9	1		–		D
			ipP	ZV		46	08.3	1		+		
701	21	TRR	iP	V	17	43	07.5	½		+		C
			ipP	V		43	23.0	1		–		4.6S, 153.6E
		TAU	iP	ZV	17	43	10.7	1		+		C
			ipP	V		43	27.0	¼		–		
702	21	TAU	eL	N	18	30.4		49				14.2N, 51.7E
			eL	E_1Z_1		35.1		41				
703	21	TRR	iP	V	18	31	00.5	¾		–		D
		TAU	eP	ZV	18	31	05.0	½				15.3N, 121.7E
704	21	TAU	eL	N_1	22	17.5		31				0.9S, 80.9W
			eL	E_1Z_1		23.3		28				
			eL	$N_1E_1Z_1$		26.6		19				
			M	$N_1E_1Z_1$		32.1		16				
705	22	SAV	iP	V	00	58	09.5	1¼		–		D
			eL$_R$	V	01	07.6		12				22.0S, 170.1E
		MOO	iP	V	00	58	14.5	1		–		D
			eL$_R$	V	01	07.9		14				
		TAU	iP	NEZV	00	58	15.9	1		– –		D
			iaP	ZV		58	31.2	1		–		
			iS	$N_1E_1Z_1$	01	03	00	22		+ +		H 00 52 16
			iL	N_1E_1		04.2		29		–		△29°.2, h 0.00
			iL	Z_1		05.4		41		+		
			eL$_R$	NEZ		08.1		16				
			M	N_1Z_1		08.3		15				
			M	E_1		09.4		13				
706	22	SAV	eP	V	01	34	36.0	¾				21.9S, 170.1E
			ipP	V		34	48.5	2		+		
		MOO	iP	V	01	34	39.5	1		–		D
		TAU	eP	V	01	34	40.5	½				
		TRR	eP	V	01	34	43.5	2				
707	22	TRR	eP	V	02	08	01.5	¾				9.2S, 112.4E
		TAU	iP	V	02	08	08.5	¾		–		D
			i	EZV		08	21.7	2		+		
			iS	N_1E_1		14	52	15		+		
			eSS	N_1		18	06	39				
			eL	E_1Z_1		21.6		44				
			eL	N_1		22.7		31				
			M	E_1		25.1		18				
			M	N_1		25.9		25				
			M	Z_1		26.6		24				
		SAV	e	V	02	08	11.0	¾				
			i	V		09	59.5	1		+		
708	22	TAU	eL	N_1E_1	09	46.5		54				0.9N, 125.8E
709	22	TAU	eL	E_1Z_1	11	49.1		34				15.1S, 173.0W
710	22	TAU	e	Z_1	15	44	18	12				52.5N, 160.8W
			eSK5	N_1E_1		44	59	20				
			eS	E_1		46	06	23				
			ePS	$N_1E_1Z_1$		47	37	21				
			iSS	$N_1E_1Z_1$		53	16	24	+			
			e(SKKKS)	N_1E_1	16	03	05	38				
			M	E_1		13.8		21				
			M	Z_1		19.4		19				
			M	N_1		23.8		22				
711	22	SAV	iP	V	23	34	59.5	¾		+		C
		TRR	iP	V	23	35	03.5	¾		+		C
			epP	V		35	25.5	¾				5.1S, 151.2E
		MOO	iP	V	23	35	04.0	¾		+		C
		TAU	iP	V	23	35	07.0	¾		+		C
			ipP	V		35	20.0	¾		+		
			eL	N_1E_1		43.9		45				
712	23	TAU	eL	N_1	00	16.3		20				
			eL	E_1		17.3		13				
			M	N_1		18.9		11				
713	23	TAU	e	N_1	03	57	56	28				
			eL	$N_1E_1Z_1$		58.6		30				
			M	N_1	04	02.0		14				
			M	E_1		03.0		10				
			M	Z_1		03.8		14				
714	23	TRR	iP	V	10	32	11.0	¾		+		C
		TAU	iP	V	10	32	17.0	¾				C
												15.3N, 121.7E
715	23	TAU	eL	E_1	15	49.6		14				
716	23	TAU	iP	ZV	19	05	07.4	¾		+		C
		TRR	iP	V	19	05	13.0	¾		+		C
717	24	TAU	iP	ZV	00	35	51.3	¾		–		D
												59.1S, 26.0W
718	24	TAU	eL	$N_1E_1Z_1$	11	54.1		23				22.0S, 170.1E
719	24	TAU	eL	N_1	12	13.8		45				73.9N, 57.5E
			eL	E_1Z_1		16.9		41				
720	24	TAU	eS	N_1E_1	22	49	59	26				
			e	N_1		57	02	22				
			eL	$N_1E_1Z_1$		59.4		28				
721	25	TAU	eL	E_1	07	40.1		28				
			eL	N_1Z_1		41.3		29				
722	25	TAU	eL	$N_1E_1Z_1$	09	31.5		29				
723	25	TAU	eS	N_1E_1	12	31	54					36.2S, 100.2W
			ePS	N_1E_1		32	46	48				
			eSS	E_1Z_1		37	11	18				
			eL	$N_1E_1Z_1$		46.6		29				
			M	N_1		48.0		23				
			M	E_1Z_1		49.7		19				
724	26	TAU	eL	$N_1E_1Z_1$	10	19.7		29				39.3N, 10.6W
725	26	TAU	iSK5	N_1E_1	22	49	25	16		+		53.9N, 168.7E
			iS	E_1		50	22	19		–		
			iPS	N_1Z_1		51	47	23		+		
			iSS	$N_1E_1Z_1$		57	09	27		+		
			iSSS	E_1	23	00	42	26		+		
			iSKKS	E_1		02	42	36		+		
			e(SKKKS)	N_1		06	34	42				
			eL	E_1		06.6		36				
			eL	N_1Z_1		10.5		48				
			M	E_1		14.2		27				
			M	N_1Z_1		20.5		20				
726	27	TAU	eL	E_1Z_1	04	34.6		40				14.8S, 173.2W
727	27	TAU	eL	E_1	06	36.1		47				
			eL	N_1Z_1		38.3		62				
728	27	TAU	eSS	N_1E_1	13	06	38	30				9.1S, 113.1E
			eL	$N_1E_1Z_1$		12.5		20				
729	27	SAV	eP	V	14	09	07.5	1				4.9S, 145.1E
		TRR	eP	V	14	09	12.0	½				
			iPcP	V			11	33.0	1	–		
		MOO	eP	V	14	09	15.0	¾				
			iPcP	V			11	32.5	1	–		
		TAU	iP	V	14	09	15.5	½		–		D
			eS	N_1			15	06	26			
			e(aS)	E_1Z_1			15	24	42			H 14 01 57
			eSSS	E_1Z_1			18	12	39			△39°.2, h 0.00
			eL	E_1			19.1		46			
			M	E_1			20.6		36			
			eL	N_1Z_1			21.1		34			
			M	N_1Z_1			26.7		19			
730	27	SAV	iP	V	18	30	54.5	1		–		D
		TRR	iP	V	18	30	58.5	1		–		D
		TAU	iP	NEZV	18	31	01.7	2		–		D
			eS	N_1E_1			41	38				
			eSS	N_1E_1			46	28	34			39.9N, 142.0E
			eG	E_1			53.5		51			
			eL	N_1Z_1			57.6		38			
731	29	SAV	iP	V	04	20	43.0	1		+		C
		TRR	iP	V	04	20	45.5	1		+		C
			e	V		21	10.5	1				
		MOO	iP	V	04	20	48.0	1		+		C
		TAU	iP	EZV	04	20	50.8	1¼		+		C
			eS	N_1		27	45	38				
			eSS	$N_1E_1Z_1$		31	29	29				2.4N, 127.1E
			eL	$N_1E_1Z_1$		35.6		48				
			M	N_1Z_1		37.9		36				
			M	E_1		39.3		27				
732	29	TAU	eL	E_1Z_1	09	01.9		22				
733	29	TAU	eSK5	N_1E_1	11	05	51	29				20.0S, 69.9W
			ePS	$N_1E_1Z_1$		09	13	20				
			eSS	$N_1E_1Z_1$		14	32	28				
			eSSS	$N_1E_1Z_1$		18	39	35				
			eG	$N_1E_1Z_1$		25.8		44				
			eL	$N_1E_1Z_1$		30.7		29				
			M	$N_1E_1Z_1$		33.1		22				
734	29	MOO	eP	V	14	53	46.5	1				31.2S, 177.9W
			epP	V		54	00.0	1				
			ePcP	V		56	50.0	1				
		TAU	eP	NEZV	14	53	46.6	1				H 14 47 52
			ipP	ZV		54	00.4	½		+		△28°.9, h 0.00S ca
			eS	$N_1E_1Z_1$		58	31	25				
			eL	N_1	15	00.4		20				
			eL	E_1Z_1		02.8		22				
			M	$N_1E_1Z_1$		05.8		16				
		TRR	ePcP	V	14	56	50.0	¾				
735	29	TAU	eP	V	18	20	05.0	¾				31.6S, 177.6W
			eL	$N_1E_1Z_1$		29.2		19				
			M	E_1		32.8		18				
736	29	TAU	eP	V	18	25	48.5	¾				31.5S, 177.6W
			eL	E_1Z_1		36.9		18				
			M	E_1Z_1		38.1		18				
737	30	SAV	eP	V	02	04	05.0	¾				14.9S, 166.6E
		TRR	eP	V	02	04	11.5	¾				
738	30	SAV	iP	V	18	23	23.5	1		–		D
			i	V		24	15.0	1		–		4.7S, 153.7E
		TRR	iP	V	18	23	30.0	½		–		D
		MOO	iP	V	18	23	32.0	1		–		D
		TAU	iP	NEZ	18	23	32.8	¼		–		D
			i	Z		24	15.2	1		+		
			i	Z		24	52.4	1		–		H 18 16 15
			iPPP	$N_1E_1Z_1$		25	19	11		+		△39°.0, h 0.01
			ipPPP	N_1Z_1		25	32	15		+ +		
			e	Z_1		29	16	43				
			iS	N_1E_1		29	23	22	–			
			ieS	E_1		30	02	14	–			
			i(SS)	N_1Z_1		32	23	24	+			
			eSSS	E_1		32	47	47				
			eL	N_1Z_1		34.7		35				
			M	E_1		36.7		18				
739	30	TAU	eL	$N_1E_1Z_1$	23	04.8		30				27.1S, 176.5W
740	31	TAU	iP	Z	11	11	16.8	1		–		D
			eSSS	N_1E_1		25	58	62				
			eL	$N_1E_1Z_1$		30.0		34				0.1S, 99.3E
			M	E_1Z_1		32.7		26				
			M	N_1		33.9		22				
741	31	TAU	eL	$N_1E_1Z_1$	15	52.5		22				
742	31	TAU	e	N_1	17	28	22					
			e	N_1E_1		32	08	24				
			e	N_1Z_1		35	14	20				
			e(L)	E_1		35	40	47				
			eL	N_1Z_1		37.6		34				
743	31	SAV	iP	V	19	45	57.5	1		–		D
			ipP	V		46	07.0	1		–		22.7S, 171.4E
		MOO	iP	V	19	46	01.0	1		–		D
		TAU	iP	NEZ	19	46	02.4	1		–		D
			e(S)	$N_1E_1Z_1$		51	06	16				
			eL	$N_1E_1Z_1$		53.1		29				
			M	N_1		54.6		19				
			M	E_1Z_1		55.5		19				
		TRR	iP	V	19	46	04.5	½		–		D
			ipP	V		46	14.0	¾		–		
			ieP	V		46	17.5	¾		–		