

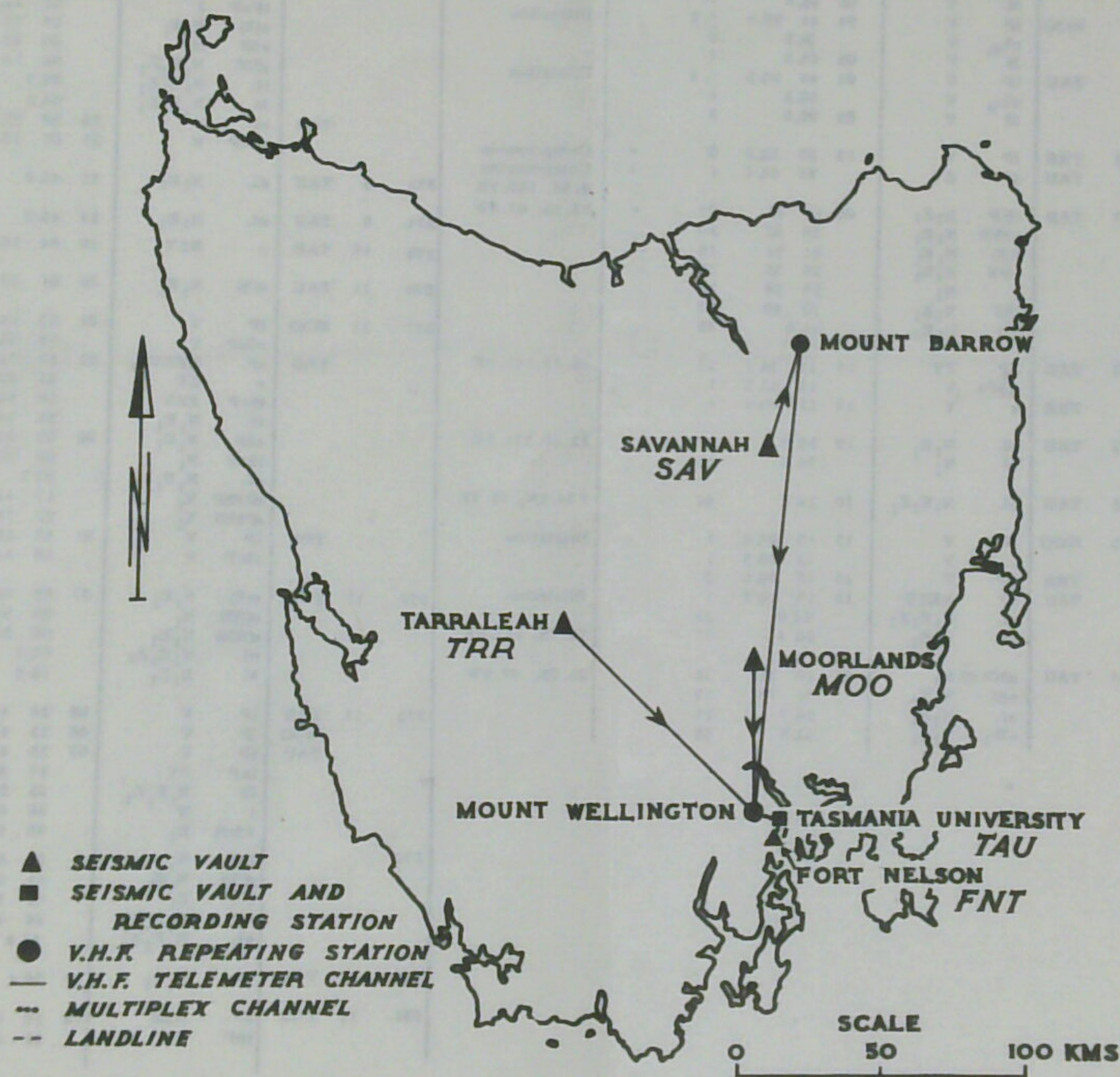


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GEOLOGY DEPARTMENT
TASMANIA UNIVERSITY SEISMIC NET

BULLETIN

AUG 1962



Station data and instrument notation
are given on back page.

PROVISIONAL BULLETIN

August 1962

Instruments

TAU : N, E, Z, N₁, E₁, Z₁, 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	Per.	Amp.	Remarks
					h m s	s	N E Z	
361	1	TAU	eP	V	03 55 49.0	1		27.0S, 176.4W
		TRR	eP	V	03 55 53.5	1		
362	1	TRR	iP	V	04 44 24.5	1.2	-	Dilatation
			ePcP	V	46 35.0	1		
			eLR	V	59.3	5		3.2S, 143.7E
			M	V	05 02.6	10		
		MOO	iP	V	04 44 26.0	1.2	-	Dilatation
			eLR	V	59.6	5		
			M	V	05 03.0	7		
		TAU	iP	V	04 44 29.5	1.2	-	Dilatation
			eLR	V	59.4	4		
			M	V	05 02.9	8		
363	2	TRR	iP	V	13 33 52.0	1	+	Compression
		TAU	iP	ZV	33 55.4	1	+	Compression
364	3	TAU	iPP	N ₁ Z ₁	09 14 42	22	- +	4.8S, 152.1E
			eSKS	N ₁ E ₁	20 52	20		23.2S, 67.5W
			i(S)	N ₁ E ₁	21 51	18	- -	
			ePS	N ₁ E ₁	23 55	20		
			e	N ₁	28 56	27		
			iSS	N ₁ E ₁	29 40	20	- -	
			eL	N ₁ E ₁	41.0	46		
365	3	TAU	eP	ZV	10 11 34.2	24		10.1S, 161.2E
			i(pP)	V	11 52.5	1	-	
		TRR	e	V	10 11 46.0	1		
366	3	TAU	eL	N ₁ E ₁	10 28.6	18		23.3S, 171.2E
			M	N ₁	30.8	15		
367	5	TAU	eL	N ₁ E ₁ Z ₁	10 14.4	44		774.2N, 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	1		
		TAU	iP	NEZV	15 15 10.2	1	-	Dilatation
			eL	N ₁ E ₁ Z ₁	23.0	25		
			M	N ₁ E ₁	26.4	22		13.7S, 166.6E
369	6	TAU	eSKKS	N ₁	02 10 55	38		32.0N, 40.8W
			eSS	N ₁ E ₁	21 18	19		
			eL	N ₁ E ₁	26.7	26		
			eW ₂	N ₁ E ₁	52.3	58		

No.	Date	Stn.	Phase	Comp.	Time GMT	Per.	Amp.	Remarks
					h m s	s	N E Z	
370	6	TAU	iP	NEZV	08 53 16.9	1	+	C
			ipP	V	53 33.5	1	+	
			isP	V	53 38.5	1	-	5
			eL	N ₁ E ₁	09 18.7	30		
371	6	SAV	iP	V	15 33 33.0	1	+	C
		MOO	iP	V	15 33 39.0	1	+	C
		TRR	iP	V	15 33 40.5	1	+	C
		TAU	iP	V	15 33 40.5	1	+	C
372	6	SAV	iP	V	20 58 27.5	14	+	C
			ePcP	V	21 01 10.5	1		
		MOO	iP	V	20 58 29.0	14	+	C
			iPP	V	59 50.5	1	+	
			iPcP	V	21 01 12.5	1	-	
		TAU	iP	NEZV	20 58 29.5	1	+	C
			iPP	E ₁	59 51	20	+	
			iPPP	Z ₁	21 00 04	1	+	
			iPcP	Z	01 12.3	1	-	2
			e(S)	N ₁ E ₁	03 37	47		
			eSS	N ₁	05 42	24		
			iSSS	N ₁ E ₁ Z ₁	06 10	17	- -	
			iL	N ₁ E ₁ Z ₁	07.7	29	+	
			M	N ₁ E ₁ Z ₁	08.3	30		
		TRR	eP	V	20 58 33.5	1		
			iPcP	V	21 01 13.5	1	-	
373	8	TAU	eL	N ₁ E ₁	13 49.8	25		11
374	8	TAU	eL	N ₁ E ₁	23 45.2	19		
375	10	TAU	e	NZV	10 44 16.0	1		
376	11	TAU	e(S)	N ₁ E ₁	00 01 59	29		
377	11	MOO	iP	V	01 53 54.0	1	-	D
			eScP	V	58 53.0	1		
		TAU	iP	NEZV	01 53 54.9	1	+	D
			e	ZV	57 02.7	1	- -	H
			iScP	EZV	58 53.1	1	- -	
			iS	N ₁ E ₁	58 54	20	- +	
			eSS	N ₁ E ₁	02 02 06	20		
			iScS	N ₁	03 00	12	-	
			eL	N ₁ E ₁	07.1	16		20
			ePKP	N ₁	17 44	28		
			ePKS	N ₁	22 18	24		
		TRR	iP	V	01 53 58.0	1	-	D
			iScP	V	58 54.5	1	-	
378	11	TAU	e(S)	N ₁ E ₁	07 02 04	21		15
			e(SS)	N ₁	05 34	10		
			e(SSS)	N ₁ E ₁	06 34	21		
			eL	N ₁ E ₁ Z ₁	07.9	28		
			M	E ₁ Z ₁	10.6	22		
379	11	TRR	iP	V	08 26 45.5	1	-	D
		MOO	iP	V	08 26 47.0	1	-	D
		TAU	iP	V	08 26 49.6	1	+	D
			isP	ZV	27 36.6	1	+	
			iS	N ₁ E ₁ Z ₁	35 57	21	+	H
			i	N ₁	36 41.3	3	+	
			iScS	E ₁	36 42	20	+	
			isS	N ₁	36 57	16	+	
			eSS	N ₁ E ₁	41 05	29		25
			e	Z ₁	41 33	33		
			i	N ₁ E ₁ Z ₁	44 46	26	- -	
			eL	N ₁ E ₁ Z ₁	45.8	60		
380	11	TAU	eL	N ₁ E ₁	14 30.4	33		
381	11	TAU	iP	NEZ	18 20 06.9	1	-	D
			ipP	Z	20 45.4	1	-	6.

No.	Date	Stn.	Phase	Comp.	Time GMT	Per Amp.	Remarks
					h m s s	NEZ	
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	1	Local
			i	V	49 20.5	1	
		TAU	eP	V	05 49 35.0	1	
			eS	V	49 54.5	1	
411	22	TRR	eP	V	11 16 53.5	1	49.7S, 117.5E
		MOO	eP	V	11 16 53.5	1	
		TAU	eP	V	11 16 56.0	1	
			eL	E ₁	22.3	20	
412	23	TRR	iP	V	15 40 54.5	1	Compression
		MOO	eP	V	15 40 58.5	1	22.9N, 120.8E
		TAU	iP	NEZV	15 40 58.8	1	Compression
413	23	TAU	iP	NEZV	21 05 05.1	1	Compression
		MOO	iP	V	21 05 08.0	1	Compression
							56.1S, 26.6W
414	24	TAU	iP	NEZV	06 52 51.7	1	Dilatation
			i	Z	53 18.5	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	1	Dilatation
			iPcP	V	55 26.5	1	
			iScP	V	58 18.0	1	
		MOO	iScP	V	06 58 19.0	1	
415	24	TAU	eP	NEZV	09 12 27.2	1	H09 04 23
			eS	N ₁ E ₁ Z ₁	18 55	23	Δ43°.8
			e	N ₁	21 46		
			eSS	E ₁ Z 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 ₁ Z 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	1	Compression
			e(PP)	EZV	39 55.8	2	
			e	N ₁ E ₁ Z ₁	40 51	13	H 08 31 54
			e	N ₁ E ₁	42 03	24	Δ 35°.8, h0.09
			iS	N ₁ E ₁ Z ₁	43 04	23	
			iScP	EZ	43 11.0	1	
			iSS	N ₁ E ₁ Z ₁	46 09	26	20.5S, 178.5W
			i	N ₁ E ₁	51 15	24	
			e	N ₁ E ₁	09 02 05	29	
			i	N ₁ E ₁	06 05	24	
		TRR	iP	V	08 38 10.0	1	Compression
			eScP	V	43 11.5	1	
		MOO	e(P)	V	08 38 11.0	1	
			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	
			ePcP	V	40 13.5	1	
		TAU	iP	NEZV	23 38 07.3	1	Dilatation
			eS	V	38 24.0	1	
			eS	N ₁	44 17	44	H233026
			e	E ₁	46 43	39	Δ 41°.0, h0.00
			eSS	N ₁ Z ₁	47 08	21	
			eL	N ₁ E ₁	48.9	45	
			eL	Z ₁	51.1	29	
419	27	SAV	iP	V	02 30 51.5	1	Compression
		TRR	iP	V	02 30 54.5	1	Compression
		MOO	iP	V	02 30 55.0	1	Compression
		TAU	iP	NEZV	02 30 57.1	1	Compression
			e(PP)	Z	34 04.3	1	40.2N, 137.8E
420	27	TAU	eL	N ₁ E ₁ Z ₁	23 49.2	20	6.0S, 147.5E
421	28	TRR	iPKP	V	11 19 08.0	1	Compression
			iSKP	V	22 31.0	1	
		MOO	ePKP	V	11 19 08.5	1	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	
			eSS	E ₁	39 08	26	
			e(L)	N ₁	55 03	60	
			eL	N ₁ E 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 ₁ E 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	1	Local
		TRR	eP	V	15 21 43.0	1	
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	1	
426	31	TAU	eL	N ₁	10 50.4	35	15.4S, 177.3W
			eL	E ₁	52.6	30	
			M	E ₁ Z 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 ₁ Z ₁	29 12	37	
			eSS	N ₁ E ₁	34 17	16	
			i(SKS)	N ₁ E ₁	44 00	33	
			eL	N ₁ Z ₁	47.7	53	
			eL	E ₁	50.5	23	
			M	E ₁	58.8	20	
			M	N ₁ Z ₁	59.4	18	
428	31	TAU	eL	N ₁	19 21.6	13	

Stn.	Phase	Comp.	Time GMT	Per Amp	Remarks	No. Date Stn.	Phase	Comp.	Time GMT	Per Amp.	Remarks
TAU	ePS	N ₁ E ₁ Z ₁	07 05 58	25	2.1N, 83.5W	394 18 TAU	e	E ₁	07 25 28	20	
	eSS	N ₁ E ₁ Z ₁	12 30	30			eL	E ₁	30.2	18	
	eG	N ₁ E ₁	25.5	62			eL	N ₁ Z ₁	31.1	18	
	eL	N ₁ Z ₁	31.0	29			M	E ₁	35.5	19	
	M	N ₁ Z ₁	34.0	21			M	N ₁ Z ₁	36.6	18	
	eW ₂	N ₁	08 16.5	90							
TAU	iP	EZV	01 13 50.6	1	Dilatation H 01 10 52.3 Δ 12° 5 49.9S, 163.0E	395 18 TAU	eSS	E ₁	08 38 28	61	4.7S 150.2E
	i	NEZV	13 52.3	1			eL	N ₁	40.9	26	
	i	N ₁ E ₁ Z ₁	13 53	1.25			eL	Z ₁	43.4	23	
	iS	NN ₁ EEZV	16 09.8	1.20			M	E ₁	43.9	19	
	M	N ₁ E ₁	17.0	14		396 18 TAU	e(L)	E ₁	18 36 12	31	62.3N, 152.5W
	eLR	Z	17.5	10			eL	N ₁ E ₁ Z ₁	42.8	24	
	M	Z ₁	19.0	11		397 18 TAU	iP	NEZ	20 50 25.2	3	Dilatation 22.7S, 173.1E
	eT	NEZV	24 28.3	1			eL	E ₁	59.7	15	
	Tmax	ZV	26 54.0	1			eL	Z ₁	21 01.3	18	
MOO	iP	V	01 13 57.5	1	Dilatation H 01 10 53.5 Δ 12° 9	398 18 TAU	e(S)	N ₁	23 02 40	13	7.3S, 156.1E
	eS	V	16 20.5	1			e	N ₁	05 25	56	
	eT	V	25 37.0	1			eL	N ₁ E ₁ Z ₁	09.6	28	Compression Compression Compression 6.8S, 149.5E
	Tmax	V	27 41.0	1		399 19 TRR	iP	V	10 46 41.0	3	
TRR	iP	V	01 14 04.5	1	Dilatation H 01 10 54.5 Δ 13° 4	MOO	iP	V	10 46 42.5	1	
	eS	V	16 33.0	1		TAU	iP	ZV	10 46 45.7	1	
	eT	V	25 43.0	1							
	Tmax	V	27 36.0	1							
5 TRR	eP	V	08 38 00.0	1	4.7N, 122.6E	400 19 TAU	iPS	N ₁ E ₁ Z ₁	18 54 28	29	44.6N, 81.7E
TAU	iP	ZV	08 38 05.2	1			iSS	N ₁ E ₁ Z ₁	19 00 30	28	
5 SAV	eP	V	20 21 34.0	1	21.2S, 179.3W		eSSS	N ₁ E ₁ Z ₁	04 30	49	
TAU	iP	V	20 21 37.0	1			e	E ₁	10 31	25	
6 TRR	(i)	V	08 55 35.0	1	Dilatation		eG	N ₁ E ₁	13.4	60	
TAU	iP	V	08 55 20.0	1			eL	Z ₁	19.2	50	
7 SAV	iP	V	04 02 58.5	1	Dilatation 12.2S, 167.1E		M	E ₁	21.0	42	
							M	Z ₁	26.6	27	
7 TRR	eP	V	05 14 24.0	1	Compression H 05 04 24 Δ 59° 6 10.6N, 121.6E	401 20 TAU	eL	N ₁ E ₁ Z ₁	13 19.8	23	12.4S, 112.1E
TAU	iP	NEZV	05 14 27.2	1		402 20 TAU	eL	N ₁ E ₁ Z ₁	15 36.8	31	1.7S, 133.8E
	eS	N ₁ E ₁	22 33	12.50			M	E ₁	38.4	24	
	eSS	N ₁ E ₁	26 20	27		403 21 TAU	eL	E ₁	16 23.8	21	28.2S, 176.7W
	e	Z ₁	28 18	28		404 21 TAU	eSSS	N ₁	19 21 02		41.4N, 15.5E
	eL	N ₁ E ₁	32.0	36			eL	E ₁	27.8	59	
	eL	Z ₁	32.9	47		405 21 TAU	iP	ZV	20 32 54.8	1	Local. Felt at Cygnat, southern Tasmania.
	M	N ₁	33.7	36			iS	ZV	32 58.3	1	
	M	E ₁ Z ₁	37.2	26		MOO	eP	V	20 33 02.0	1	
MOO	eP	V	05 14 30.5	1			eS	V	33 12.0	1	
17 MOO	iP	V	11 55 48.0	1	Compression Compression Compression 15.2S, 178.6W	TRR	eP	V	20 33 07.0	1	
TAU	iP	ZV	11 55 48.6	1			iS	V	33 19.0	1	
TRR	iP	V	11 55 51.0	1			e	V	33 23.5	1	
17 SAV	iP	V	16 26 17.0	1	Dilatation Dilatation 19.3S, 177.5W	SAV	eP	V	20 33 16.0	1	
TAU	iP	ZV	16 26 19.6	1			eS	V	33 34.5	1	
TRR	eP	V	16 26 24.0	1							
18 SAV	iP	V	04 07 39.5	1	Compression Compression 21.9S, 179.3W	406 21 TAU	eL	N ₁ E ₁	21 18.1	26	28.7S, 176.8W
TAU	iP	V	04 07 49.0	1			eL	Z ₁	21.7	25	
							M	N ₁	24.0	14	
18 TAU	eSS	E ₁	05 58 37	18	3.5S, 150.5E		M	E ₁ Z ₁	29.4	15	29.6S, 111.9W
	eL	N ₁ E ₁	06 00.1	25		407 21 MOO	eP	V	21 21 45.5	1	
	eL	Z ₁	03.4	23		TRR	eP	V	21 21 53.5	1	
	M	E ₁	03.7	20		TAU	iS	N ₁ E ₁	21 31 35	17	
	M	N ₁ Z ₁	05.6	19			eSS	N ₁	40 08	56	
18 TAU	eSS	E ₁	06 29 45	20			iG	N ₁ E ₁	42.1	32	
	eL	N ₁ E ₁	31.2	34			iL	N ₁ E ₁ Z ₁	45.0	29	
	eL	Z ₁	34.7	24			eW ₂	N ₁ E ₁	23 04.2	56	
	M	E ₁ Z ₁	34.9	20		408 22 TRR	eP	V	02 20 36.0	1	Local
	M	N ₁	36.8	16		TAU	i	V	20 38.5	1	
							eP	V	02 20 52.5	1	
							eS	V	21 13.0	1	

TASMANIA UNIVERSITY SEISMIC NET

STATION	CODE	LATITUDE	LONGITUDE	ALTITUDE (metres)	FOUNDA
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 conta dolerite
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"
TRR – MOO	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 (N₁,E₁,Z₁), seismometers) is installed at TAU.

Other instruments include Willmore Mk I (V), Willmore Mk II (V_{II}), Newstead-Watt (S,S₁,W,W₁) and Sprengnether horizontal,(Series H), currently operating as indicated within.

PROVISIONAL BULLETIN

September 1962

Instruments:

TAU: N, E, Z, N₁, E₁, Z₁, V(N,E,Z not operating 6th-18th inclusive)

MDO: V

TRR: V

SAV: V (operating intermittently)

Epicentre locations quoted are those given by USCGS.

No.	Date	Stn.	Phase	Comp	Time GMT			Per	Amp	Remarks
					h	m	s			
436	1	TRR	eP	V	20	37	10.5	1		Local
			eS	V		37	22.5	1		
		TAU	e(S)	ZV	20	37	35.5	1		
437	2	TAU	eL	N ₁	06	10.0		26		27.5N,
438	2	TAU	eL	E ₁	08	42.5		17		
439	2	MOO	eP	V	15	29	29.0	1		10.2S,
		TAU	eL	N ₁ E ₁	15	38.1		54		
			M	N ₁ E ₁		41.8		36		
			eL	Z ₁		45.7		30		
			M	Z ₁		52.3		17		
440	2	TAU	eP	V	20	22	08.0	1		38.5S,
			eL	N ₁		26.9		22		
			M	N ₁		27.6		20		
			eL	E ₁ Z ₁		29.1		30		
			M	E ₁ Z ₁		32.2		18		
	MOO	1P	V	20	22	09.5	1		D	
		SAV	1P	V	20	22	10.0	1		
441	3	SAV	1P	V	00	04	48.0	1	+	C C 7.0S, C C
		TRR	1P	V	00	04	48.0	1	+	
			ePcP	V		06	36.0	1		
		MOO	1P	V	00	04	52.0	1	+	
		TAU	1P	V	00	04	55.0	1	+	
			1PcP	V		06	44.0	1	+	
442	3	TRR	1(P)	V	05	55	59.0	1	+	Local
		TAU	eP	ZV	05	56	12.4	1		
			eS	ZV		56	34.5	1		
		MOO	e(S)	V	05	56	26.5	1		
443	3	TAU	1P	NEZV	22	18	19.4	1	-	C C C
		MOO	1P	V	22	18	23.0	1	+	
		SAV	1P	V	22	18	26.0	1	+	
444	4	SAV	1P	V	19	34	49.5	1	+	C C 15.5S, C
		MOO	1P	V	19	34	54.0	1	+	
		TAU	eP	V	19	34	56.0	1		
		TRR	1P	V	19	34	56.5	1	+	
445	5	TRR	eP	V	01	16	18.5	1		
			eT	V		28	42.5	1		
			Tmax	V		29	11.0	1		
		TAU	eT	NEZV	01	28	15.9	1		
446	5	TAU	eL	N ₁ E ₁	08	57.1		28		
447	5	TRR	1P	V	11	24	28.5	1	-	D D D 3.3S,
		MOO	1P	V	11	24	31.0	1	-	
		TAU	1P	EZV	11	24	33.9	1	-	
			eSS	E ₁		33	26	21		
			eL	N ₁		36.6		53		
			M	E ₁		41.4		19		
			M	N ₁ Z ₁		43.0		14		
448	6	TRR	eP	V	11	18	46.5	1		4.0S, H 11 Δ 43°
		MOO	eP	V	11	18	49.5	1		
		TAU	eP	V	11	18	52.0	1		
			eS	N ₁		25	17	21		
			eSS	N ₁ E ₁		28	03	31		
			1ScS	E ₁		28	43	12	+	
			e	Z ₁		29	30	18		
			eG	N ₁ E ₁		29.7		58		
			eL	Z ₁		32.3		41		
			M	E ₁		34.8		20		
			M	N ₁ Z ₁		37.1		18		
		449	6	TRR	1P	V	15	09	53.5	
TAU	eP			V	15	09	56.0	1		
450	7	TRR	1P	V	07	49	00.5	1	+	C C C 6.3S,
		MOO	1P	V	07	49	03.5	1	+	
		TAU	1P	V	07	49	07.0	1	+	
			eL	N ₁ E ₁	08	02.4		26		
451	8	TAU	e	V	13	26	13.0	1		Local
		TRR	eP	V	13	26	32.0	1		
			eS	V		26	46.5	1		
452	9	TRR	1P	V	01	44	23.0	1	-	D 10.3N

Phase		Comp	Time GMT			Per	Amp	Remarks	No.	Date	Stn.	Phase		Comp	Time GMT			Per	Amp	Remarks		
			h	m	s	s	N E Z						h	m	s	s	N E Z					
1P	V		04	15	33.0	1	-	D				1P	V		23	03	47.0	1	+			
eS	V		04	15	53.5	1	-	Local	464	15	SAV	1PcP	V		23	03	48.0	2	+	C		
eS	V		04	16	07.0	1	-				TRR	1P	V		23	03	49.5	1	+	C		
(e)	V		04	15	50.0	1	-					1PcP	V		03	51.0	2	+				
(eS)	V		16	16.5	1	-	-					1	V		03	56.0	1	+				
1P	V		15	50	02.0	1	+	C			MOO	1P	V		23	03	49.5	1	+	C		
1	V		51	25.5	1	-	-					1PcP	V		03	51.0	1	+				
e	V		52	01.0	1	-	-	21.1S, 179.2W			TAU	eP	Z ₁ V		23	03	52.5	1	+			
eScP	V		55	04.0	1	-	-					1SKS	N ₁		14	23	7	-	-	48.5N, 156.8E		
1P	V		15	50	04.5	1	+	C				1PS	N ₁ Z ₁		16	05	30	-	+			
e	V		54	42.5	1	-	-					1SS	N ₁ E ₁		20	42	26	-	-			
1ScP	V		55	05.5	1	-	-					eSSS	N ₁ E ₁ Z ₁		24	25	26	-	-			
1P	E ₁ Z ₁ V		15	50	05.0	1.8	-	C				eG	N ₁ E ₁		27.8		54					
1PcP	V		51	43.5	1	-	-					eL	Z ₁		33.2		45					
1PcP	V		52	17.5	1	-	-					M	E ₁ Z ₁		42.1		20					
1	E ₁ Z ₁		52	58	14	-	-	H 15 43 59														
1	N ₁ E ₁ Z ₁		53	58	22	-	-	Δ 35°1, h 0.09	465	16	TAU	eL	N ₁ E ₁ Z ₁		01	14.2	21					
1S	N ₁ E ₁ Z ₁		54	58	17	+	+					M	Z ₁		16.6	18						
1ScP	V		55	05.5	1	-	-															
1SS	N ₁ E ₁ Z ₁		58	08	34	+	-				466	16	TAU	eL	N ₁ E ₁ Z ₁	14	14.8	23				
1PKKP	N ₁		14	12	29	+	-															
ePKKS	N ₁		18	19	26	-	-				467	17	SAV	eP	V	05	06	21.0	1	+	17.7S, 178.6W	
1P	V		15	50	08.5	1	+	C				TAU	1P	V	05	06	24.0	1	+	C		
ePcP	V		52	18.5	1	-	-					MOO	1P	V	05	06	24.5	1	+	C		
1ScP	V		55	37.0	1	-	-					TRR	1P	V	05	06	27.0	1	+	C		
(e)	N ₁		18	07	39	18	-	17.5S, 173.6W				468	17	SAV	1P	V	18	01	51.5	1	+	C
eL	N ₁ E ₁ Z ₁		11.2			19	-								1	V	01	55.5	1	-		
1P	V		20	58	45.5	1	-	D							1	V	02	36.0	1	-	21.0S, 179.1W	
eL	E ₁ Z ₁		14	41.7		16	-					MOO	1PP	V	03	44.0	1	+	+			
eP	V		18	26	02.0	1	-						1P	V	18	01	53.5	1	+	+	C	
eP	V		18	26	04.5	1	-	4.4S, 145.4E					1	V	02	38.5	1	-	-			
eS	N ₁		18	32	13	33	-					TRR	1PP	V	03	46.5	1	+	+			
eL	N ₁ E ₁ Z ₁		37.2			44	-						1	V	06	31.0	1	-	-			
M	N ₁ E ₁		41.4			16	-						i(s)	V	06	54.5	1	+	+			
M	Z ₁		43.4			17	-						1P	V	18	01	57.0	1	+	+	C	
1PS	N ₁ E ₁		21	25	04	42	+	-	36.5N, 69.2E				1	V	02	38.5	1	-	-			
eSS	N ₁ E ₁		31	07	32	32	-				469	18	TRR	1P	V	06	19	04.0	1	+	C	
eG	N ₁ E ₁		40.9			77	-					MOO	1P	V	06	19	05.5	1	+	+	C	
eL	Z ₁		48.1			24	-					TAU	eP	V	06	19	10.0	1				
M	E ₁		53.3			24	-						eS	N ₁	26	12	34				2.3N, 126.9E	
M	Z ₁		58.8			17	-						eL	E ₁	33.2		40					
1P	V		19	22	47.5	1	-	D					M	N ₁	41.7		15					
1P	V		19	22	51.5	1	-	D					M	E ₁	42.9		25					
1P	V		11	14	00.0	1	+	C			470	18	SAV	eP	V	21	54	23.0	1		14.8S, 178.1W	
ePP	V		14	07.0	1	-	-					TAU	eL	N ₁ E ₁ Z ₁	22	04.2						
eS	V		15	29.5	1	-	-				471	18	SAV	1P	V	22	11	04.5	1	+	C	
1L	E ₁		15.8			19	-	51.4S, 146.3E					TAU	eP	V	22	11	07.5	1	+		
eP	V		11	14	06.5	1	-															
ePP	V		14	15.0	1	-	-				472	20	TAU	eSS	E ₁	16	54	25	27		4.7S, 139.4E	
eP	V		11	14	07.0	1	-							eL	N ₁ E ₁ Z ₁		57.1		33			
eS	V		15	46.0	1	-	-						M	N ₁ E ₁	17	00.2		18				
1P	V		15	59	28.5	1	-	D					M	Z ₁		01.2		13				
eP	V		15	59	31.0	1	-				473	21	TRR	eP	V	05	49	58.5	1		Local	
1(L)	N ₁		16	08	04	24	+	17.95S, 176.5E				MOO	ePg	V	05	50	09.5	1				
1P	V		18	24	30.0	1	+	C					eSg	V	05	50	26.5	1				
1	V		25	43.0	1	-	-					TAU	ePg	V	05	50	14.5	1				
1PcP	V		25	47.0	1	-	-	19.9S, 177.6W					eSg	NZV	05	50	36.3	1				
eScP	V		29	56.0	1	-	-				474	21	TAU	1P	EZV	08	50	17.9	-		D	
1P	V		18	24	32.5	1	+	C													21.2S, 170.0W	
1ScP	V		29	57.5	1	-	-															
1P	V		18	24	32.5	1	+	C				475	21	TAU	eP	NEZV	09	12	59.2	1		
1PcP	V		25	49.0	1	-	-								eT	NEZV	25	38.0	1			
1ScP	V		29	57.5	2	-	-								Tmax	NEV	26	09.7	1			
eL	N ₁ E ₁ Z ₁		33.8			25	-					MOO	eT	V	09	25	56.5	1				
1P	V		18	24	36.5	1	+	C							Tmax	V	26	34.0	1			
1PcP	V		25	52.5	1	-	-					TRR	eT	V	09	26	07.0	1				
1ScP	V		29	59.0	1	-	-								Tmax	V	26	36.5	1			

No.	Date	Stn.	Phase	Comp	Time GMT	Per	Amp	Remarks	No.	Date	Stn.	Phase	Comp	Time GMT	Per	Amp	Remarks
					h m s	s	N E Z							h m s	s	N E Z	
476	22	TRR TAU	1P 1P ePcP eS e eSS eSSS eG eL M M M	V ZV E N ₁ E ₁ N ₁ E ₁ Z ₁ N ₁ N ₁ E ₁ Z ₁ E ₁ N ₁ Z ₁	07 03 53.5 07 03 58.0 04 04.4 14 18 19 03 20 10 23 15 27.5 31.5 32.0 36.0 39.8	1 1 1 14 34 39 23 65 63 31 27 27	+ + 	C C 26.5N, 97.0E H06 51 30 Δ83°.9, h0.00	491	27	TAU	eS eSS eL iL M	N ₁ E ₁ E ₁ N ₁ E ₁ Z ₁ N ₁ E ₁ Z ₁	18 40 22 43 06 44.5 46.3 48.0	24 24 49 32 21	+ 	4.05, 151.2E
477	22	TAU	eP e e(S) eL MOO eP e SAV eP	V E ₁ Z ₁ V V V V	15 13 23.0 13 26.2 17 48 19.3 15 13 23.5 13 39.0 15 13 24.5	1 1 23 39 1 1 1	 		492	29	TAU	eP 1PP eS eL eT	NEZ E NEZ N ₁ E ₁ NEZ	14 33 44.4 33 53.8 36 05.3 36.7 46 44.2	1 1 1 14 1	- 	H 14 30 43.4 Δ12°.7
478	23	TAU	1P	ZV	07 05 41.1	1	+ 	C 23.7S, 179.9E	493	29	TAU	1SKS 1S 1SP eS eSS eSSS eSKKS eL	N ₁ E ₁ E ₁ N ₁ E ₁ Z ₁ E ₁ E ₁ Z ₁ N ₁ E ₁ Z ₁ N ₁ E ₁	15 40 43 41 58 43 43 45 41 49 04 53 30 57 20 00.8	20 20 32 31 30 32 39 24	+ - + + 	27.05, 63.6W
479	23	TAU	1P 1S	V EV	09 16 16.0 16 26.1	1 1	- 	D Local	494	30	TRR TAU	1P 1P 1S eSS eL M	V ZV N ₁ E ₁ Z ₁ E ₁ Z ₁ N ₁ E ₁ Z ₁ N ₁ E ₁ Z ₁	10 55 29.5 10 55 30.0 11 01 20 04 14 06.8 09.3	1 1 26 56 35 22	+ + + 	C C 5.2S, 152.7E
480	24	SAV TRR TAU	eP eP eP eS eSS M	V V V N ₁ N ₁ E ₁ Z ₁ N ₁ Z ₁	05 37 52.0 05 38 03.0 05 38 04.5 45 51 49 28 06 01.5	1 1 1 40 16 20	 	9.2N, 126.6E	495	30	TRR MOO TAU	1P 1P 1P 1	V V NEZV Z	11 05 38.5 11 05 39.0 11 05 43.4 06 27.3	1 1 1 1	+ + + + -	C C C 5.9S, 151.0°
481	24	TRR TAU	eP eSKS eS e eL	V N ₁ N ₁ E ₁ N ₁ Z ₁	14 51 04.0 15 01 09 07 10 14 55 18.7	1 22 20 46 46	 	42.8N, 145.3E	496	30	TRR TAU	1P 1P eS eL	V ZV N ₁ N ₁ E ₁ Z ₁	22 08 02.0 22 08 08.3 16 52 26.8	1 1 16 52	+ + 	C C 18.6N, 120.9E
482	25	TAU	eS eSSS eL M	N ₁ E ₁ Z ₁ N ₁ E ₁ N ₁ E ₁ Z ₁ N ₁ E ₁ Z ₁	00 38 34 44 50 46.2 47.7	19 20 33 24	 	55.6S, 124.3W	Seismograms read by Lesley Read.								
483	25	TAU	eL	N ₁ E ₁ Z ₁	14 07.9	41		73.7N, 55.0E									
484	25	TAU	eS eSS eL	N ₁ N ₁ N ₁ E ₁ Z ₁	15 07 19 11 06 19.9	16 23 18	 	11.7N, 138.6E									
485	26	TAU	1P 1PcP 1 eSS eL M M TRR 1P 1PcP MOO e	ZV V ZV N ₁ N ₁ E ₁ Z ₁ N ₁ E ₁ Z ₁ V V V	12 51 23.3 54 05.5 54 17.9 58 52 00.5 03.7 05.3 12 51 26.0 54 07.0 51 31.0	1 1 1 20 25 19 18 1 1 1	+ + + 	C 27.5S, 176.4W	486	27	TAU	e(PS) eL	N ₁ N ₁ E ₁ Z ₁	07 14 56 27.4	30 31		47.4S, 34.3E
487	27	TAU	eL	N ₁ E ₁ Z ₁	09 07.0	39		74.3N, 52.4E	488	27	TRR MOO TAU	1P 1P 1P	V V Z	13 05 22.0 13 05 25.5 13 05 28.5	1 1 1	- - -	D D D 4.6S, 104.4E
489	27	TRR MOO TAU	1P 1P 1P	V V NZV	13 18 46.0 13 18 48.0 13 18 52.2	1 1 1	- - -	D D D 18.6N, 121.8E	490	27	MOO TAU TRR	1P 1P eL 1P	V NEZV N ₁ V	13 31 40.5 13 31 42.0 45.6 13 31 44.0	1 1 1 1	- + - - -	D D 17.6S, 178.9W D

No.	Date	Stn.	Phase	Comp.	Time (GMT)	Per.	Amp.	Remarks
h	m	s	S	M	Z			
497	1	MOO	IP	V	04 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 27.5	2	-	
		TRR	IP	V	04 03 28.0	1	-	D
			iPcP	V	05 28.5	3	-	
498	1	MOO	IP	V	10 03 10.0	3	+	C
			ipP	V	03 22.5	1	-	
		TRR	IP	V	10 03 13.5	3	+	C
			ipP	V	03 25.0	1	-	
			i	V	08 23.5	1	-	17.5S, 167.1E
		TAU	eSS	N ₁ E ₁	10 09 54	34		
			eL	N ₁ E ₁ Z ₁	11.3	27		
			M	N ₁ E ₁	12.9	16		
499	1	TRR	IP	V	15 14 28.0	1	-	D
			ipP	V	14 43.0	3	-	
		MOO	eP	V	15 14 29.5	3	-	5.5S, 151.9E
		TAU	eP	V	15 14 32.0	3	-	
			eL	N ₁ E ₁ Z ₁	24.8	30		
500	1	MOO	eP	V	20 49 54.5	3	-	19.6S, 174.5W
		TAU	IP	ZV	20 49 55.5	3	-	D
			iL	N ₁ E ₁ Z ₁	21 01.4	33	+	
		TRR	IP	V	20 50 01.0	1	-	D
501	2	TRR	eP	V	08 42 21.5	1	-	17.6S, 178.7W
502	3	TAU	eL	N ₁ E ₁ Z ₁	02 46.4	26	-	40.6N, 29.7W
503	3	TRR	eP	V	12 04 29.0	1	-	4.5S, 144.6E
504	3	TAU	eL	N ₁ E ₁ Z ₁	17 26.4	18	-	21.0S, 168.4E
505	3	TAU	IP	ZV	19 00 58.0	1	+	C
			i(sP)	EZV	01 16.8	3	+	
			eL	N ₁ Z ₁	27.8	36		57.5S, 26.7W
506	4	TAU	eS	N ₁	20 48 03	26	-	5.1S, 151.9E
			eL	N ₁ E ₁ Z ₁	52.6	34	-	
507	5	TAU	eT	NEZV	20 27 19.5	1	-	
			Tmax	NEZV	27 41.2	1	-	
		MOO	iT	V	20 27 27.5	1	+	
			Tmax	V	28 09.5	1	+	
		TRR	iT	V	20 27 34.5	1	+	
			Tmax	V	28 08.0	1	+	
508	6	MOO	IP	V	04 29 38.0	1	+	C
			iPcP	V	32 37.0	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 ₁ Z ₁	29 56	15	- +	
			ePcP	Z	52 38.4	1	-	17.4S, 167.7E
			e(S)	N ₁ E ₁ Z ₁	34 30	27	-	
			iL	N ₁ E ₁	36.4	51	+	
			iL	Z ₁	38.0	29	+	
			M	N ₁ E ₁ Z ₁	40.0	16	-	
			e	N ₁ E ₁	06 16.6	92	-	
509	6	TAU	eL	E ₁ Z ₁	07 17.1	23	-	
510	6	TAU	eL	N ₁ E ₁ Z ₁	07 31.1	23	-	17.4S, 167.8E
			M	E ₁ Z ₁	32.0	18	-	
			M	N ₁	34.5	18	-	
511	6	TAU	eS	N ₁ Z ₁	08 07 47	28	-	17.4S, 167.9E
			e	E ₁ Z ₁	09 02	15	-	
			eSS	N ₁	09 47	21	-	
			eL	N ₁ E ₁ Z ₁	10.9	24	-	
			M	N ₁ E ₁ Z ₁	13.0	16	-	
512	6	MOO	IP	V	08 09 55.5	1	+	C
		TRR	IP	V	08 09 58.5	1	+	C
		TAU	i	Z	08 10 18.1	1	-	
			iS	N ₁ Z ₁	14 51	22	-	17.2S, 168.0E
			eSS	N ₁ E ₁	16 31	54	-	
			eL	N ₁ E ₁ Z ₁	18.1	25	-	
			M	N ₁ E ₁ Z ₁	20.2	16	-	
513	6	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	1	+	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 53.5	1	-	H 11 00 51
			iS	N ₁	12 32	10	-	Δ 34° 0, h 0.03
			iPcP	NEZV	13 20.7	1	+	
			eSS	N ₁ E ₁ Z ₁	18 11	32	+	

No.	Date	Stn.	Phase	Comp.	Time (GMT)	Per.	Amp.	Remarks	No.	Date	Stn.	Phase		
					h m s									
514	6	TAU	eL	N ₁ E ₁ Z ₁	12 13.1	20		17.4S, 167.8E	531	13	SAV	iP		
			M	N ₁ E ₁ Z ₁	16.0	17					MOO	iP		
515	6	TAU	eL	N ₁ E ₁ Z ₁	18 15.0	22		17.6S, 168.0E			TAU	iP		
			M	N ₁ E ₁ Z ₁	16.4	20					ipP	iS		
516	6	MOO	iP	V	23 37 38.5	1	-	D				e		
		TAU	eP	ZV	23 37 41.4	1	-	D				eL		
			e	N ₁	37 54	14		17.5S, 167.6E				eSS		
			iS	N ₁ E ₁ Z ₁	42 40	18	+					eL		
			eL	N ₁ E ₁	44.4	41					TRR	i		
			eL	Z ₁	46.2	30								
			M	Z ₁	47.9	19								
			M	N ₁ E ₁	48.3	16								
		TRR	iP	V	23 37 41.0	1	-	D			532	14	TAU	e(P)
517	7	TAU	eL	N ₁ E ₁ Z ₁	01 03.6	29		17.7S, 167.8E				e(SS)		
			M	N ₁	04.5	24						eL		
			M	Z ₁	05.3	19					533	14	TAU	eSS
			M	E ₁	06.2	15						eL		
518	7	TAU	iP	EZV	16 12 24.2	3	-	D				M	M	
		MOO	iP	V	16 12 26.0	1	-	D						
								57.8S, 25.5W			534	14	TAU	eL
519	7	TAU	eL	N ₁ E ₁	17 02.1	23		17.7S, 167.5E			535	14	TAU	eP
520	8	TRR	iP	V	19 01 19.5	3	-	D				iS		
		TAU	iP	ZV	19 01 22.3	3	-	D			536	15	TAU	e(L)
								10.3S, 161.4E				eL		
521	8	TRR	iP	V	22 07 34.0	1	-	D			537	15	MOO	eP
			isP	V	07 46.5	1	+				TAU	eL		
		TAU	iP	NEZV	22 07 46.1	1	-	D				eL		
			isP	V	07 59.0	1	-					M		
			iPcP	N ₁ Z ₁ Z	08 05.8	2, 15	-	H 21 56 32						
			iS	N ₁ E ₁ Z ₁	16 56	21	- + -	Δ 70° 6, h 0.00			538	15	TAU	eL
			i	N ₁	17 27	42	+					eL		
			iSeS	N ₁ E ₁	17 40	8	++							
			eSS	N ₁ E ₁	21 29	32		24.3N, 121.7E			539	15	TAU	iP
			eSSS	N ₁ Z ₁	24 34	24						ipp		
			eG	N ₁ E ₁	26.9	66						i		
			M	E ₁	32.0	30						e(S)		
			M	N ₁ Z ₁	35.2	24						iL		
		MOO	i	V	22 07 47.5	1	-					M		
522	9	TAU	eT	V	00 43 05.5	1						M		
			Tmax	V	43 25.5	1						M		
		MOO	eT	V	00 43 06.0	1						eT		
			Tmax	V	43 48.5	1						Tmax		
		TRR	eT	V	00 43 14.5	1					MOO	iP		
			Tmax	V	43 35.5	1						eS		
523	9	TRR	iP	V	20 22 04.0	1	+	C				eT		
		MOO	iP	V	20 22 04.5	1	+	C			540	16	TAU	eL
		TAU	iP	V	20 22 07.5	3	+	C				eL		
								3.2S, 148.2E				M		
524	10	SAV	eP	V	22 00 35.0	3					541	16	TAU	eL
		TAU	iP	Z	22 00 37.8	1	+	C				M		
			eS	E ₁	07 23	16								
			eL	N ₁ E ₁ Z ₁	13.4	30		15.1S, 173.3W						
			M	N ₁	15.0	18					542	16	MOO	iP
			M	E ₁ Z ₁	17.0	18					TAU	iP		
		TRR	iP	V	22 00 39.5	1	+	C			TRR	iP		
525	12	TAU	eL	N ₁ E ₁ Z ₁	01 58.3	21		33.1S, 178.2W			543	16	TAU	eSS
			M	E ₁	02.7	17						eG		
526	12	SAV	iP	V	15 08 10.0	1	+	C			544	18	MOO	iP
		MOO	iP	V	15 08 17.0	1	+	C				i		
		TAU	(eP)	NEZ	08 26.6	1					TAU	iP		
527	13	TAU	eL	N ₁ E ₁ Z ₁	07 50.0	12		16.7S, 167.9E				eS		
528	13	TAU	iP	NEZV	08 33 17.1	3	+	C				eSS		
			e(L)	N ₁	37 41	18		38.2S, 175.9E				eL		
		MOO	iP	V	08 33 18.5	1	+	C				eL		
		TRR	iP	V	08 33 23.0	1	+	C				M		
529	13	TAU	e(L)	E ₁	11 29 28	22					545	18	TRR	iP
530	13	TAU	eL	N ₁ E ₁ Z ₁	11 39.6			17.4S, 167.5E			MOO	iP		
											TAU	iP		
											546	18	TAU	eP
												eS		
											MOO	e(S)		

No.	Date	Stn.	Phase	Comp.	Time (GMT)	Per.	Amp.	Remarks
347	18	TAU	eL	Z ₁	16 34 38	27		
			eL	Z ₁	36.6	21		
			eL	N ₁ E ₁	37.4	19		
348	19	TAU	eL	N ₁ E ₁ Z ₁	04 09.2	17		
349	19	TAU	eL	Z ₁	08 26.5	12		
350	19	TAU	(eP)	ZV	08 46 12.3	3		
			(e)	ZV	46 34.7	1		
			(eL)	E ₁ Z ₁	48 50	16		
351	19	TAU	eP	V	09 51 43.5	3		56.3S, 26.2W
			eL	N ₁ E ₁ Z ₁	10 16.5	26		
352	19	TAU	eL	N ₁ E ₁ Z ₁	11 11.9	44		10.6N, 125.2E
353	19	TAU	iP	EZV	17 19 36.8	1		- D
			e(SS)	N ₁ Z ₁	25 47	23		
		MOO	eP	V	17 19 37.5	1		32.9S, 179.9E
354	19	TAU	eL	E ₁ Z ₁	22 31.1	34		19.8N, 108.3W
355	19	TRR	iP	V	23 49 48.5	3		- D
			iPcP	V	51 53.0	1		+ D
		MOO	iP	V	23 49 52.0	1		+ D
			i	V	51 56.5	1		+ D
		TAU	iP	NEZV	23 49 54.6	1		- D
			iPcP	NZV	51 55.5	1		
			iS	N ₁ E ₁	55 46	16		H 23 42 37
			eSS	N ₁ E ₁ Z ₁	58 31	32		Δ 40.4, h 0.03 ca
			eL	E ₁	24 02.7	29		
			eL	N ₁ Z ₁	04.1	28		5.7S, 130.3E
			M	E ₁	05.3	18		
			M	N ₁ Z ₁	08.0	16		
356	20	TRR	iP	V	05 37 49.5	1		- D
		MOO	iP	V	05 37 53.0	1		- D
			iPP	V	39 23.0	2		+ D
		TAU	iP	NEZV	05 37 56.2	1		- D
			ePP	ZV	39 27.7	2		
			eL	N ₁ E ₁ Z ₁	52.3	22		6.7S, 130.1E
357	21	TAU	iP	NZV	23 23 05.9	1		- + C
								55.9S, 27.8W
358	22	TAU	eL	N ₁ E ₁ Z ₁	04 52.1	26		3.4S, 145.3E
359	25	TAU	eL	N ₁ E ₁	03 53.7	17		17.8S, 167.7E
			M	N ₁ E ₁	55.2	14		
360	25	TRR	iP	V	09 42 48.5	1		+ C
			iPP	V	44 46.0	1		-
			iPP	V	45 02.0	1		-
		MOO	iP	V	09 42 51.0	1		+ C
			i(PP)	V	44 42.5	1		-
			i(PPP)	V	45 03.5	1		-
		TAU	iP	NEZV	09 42 53.9	1		+ C
			iPP	V	44 49.5	1		-
			iPP	V	45 07.5	1		-
			iS	N ₁ E ₁	49 50	20		H 09 34 12
			eSS	N ₁ E ₁ Z ₁	53 18	34		Δ 48.6, h 0.005
			eL	E ₁	56.8	31		
			eL	N ₁ Z ₁	58.8	40		3.0N, 126.7E
			M	E ₁	10 04.8	22		
			M	N ₁ Z ₁	08.9	18		
361	25	TRR	e(P)	V	12 43 58.0	1		15.4S, 179.0W
362	25	MOO	ePP	V	16 13 05.5	2		8.4N, 82.6W
		TAU	eSS	E ₁	16 30 35	24		
363	25	TAU	iP	NEZV	20 10 32.9	2,4,9		+ - + C
			iPP	V	10 55.5	3		+ H 20 10 16
			eIS	N ₁ E ₁	13 56	27		Δ 18.6
			eL	E	14.3	10		
			i	N	14 29.1	3		
			eL	Z ₁	14.7	23		
			M	E ₁	15.5	12		61.4S, 154.9E
			eL _r	NZV	15.6	13		
			M	N ₁ Z ₁	15.8	29		
		MOO	iP	V	20 10 39.5	1		+ C
			eL _r	V	16.6	10		
		TRR	iP	V	20 10 41.5	1		+ C
			eL _r	V	16.2	9		
364	25	TAU	iP	ZV	21 25 08.4	1		+ C
		TRR	iP	V	21 25 13.0	1		+ C
365	26	TAU	iS	E ₁	17 11 44	11		
			e(SS)	N ₁	11 05	11		
			eL	N ₁ E ₁ Z ₁	33.7	28		
			M	N ₁ E ₁	36.7	11		
			M	Z ₁	40.4	16		
366	26	TAU	iP	NEZV	16 10 51.1	3		- + - D
			iPcP	V	10 58.5	4		
			e(SS)	E ₁	21 11	20		
			eSS	N ₁	26 27	18		55.5S,
			e	E ₁	31 54	26		
			eL	E ₁	35.7	43		
			M	E ₁	39.2	22		
			eL	N ₁ Z ₁	42.9	22		
			M	N ₁ Z ₁	46.2	18		
		MOO	iP	V	16 10 55.5	1		- D
		TRR	iP	V	16 10 56.0	1		- D
367	26	TAU	iP	NEZV	22 21 19.1	1		- - D
		MOO	iP	V	22 21 23.5	1		- D
368	27	TAU	eS	N ₁ E ₁	06 18 05	20		
			eL	N ₁ E ₁ Z ₁	25.0	29		
			M	Z ₁	27.9	20		
369	27	TAU	eL	N ₁ E ₁ Z ₁	13 47.7	16		18.0S, 1
370	27	TAU	eL	N ₁ F ₁ Z ₁	22 27.4	24		
371	28	TRR	iP	V	15 08 45.0	1		+ C
			iPcP	V	10 17.0	1		+ 0.1N, 1
		MOO	iP	V	15 08 48.0	2		+ C
			iPcP	V	10 18.0	1		-
		TAU	iP	EZV	15 08 51.0	1		+ C
			iPcP	ZV	10 19.5	1		-
372	28	TAU	e	NEZV	20 42 04.5	1		Local
373	29	TAU	eL	N ₁	07 54.1	32		
			eL	E ₁ Z ₁	58.2	32		
374	29	TAU	e	E ₁	16 29 23	9		
			eL	N ₁ E ₁ Z ₁	44.5	31		
375	29	TAU	i	N ₁ E ₁ Z ₁	21 24 04	16		
			eL	N ₁ E ₁ Z ₁	38.7	31		
376	30	MOO	eP	V	01 58 23.0	1		54.2S, 9
		TAU	iP	NEZ	01 58 31.1	2		- D
			iS	N ₁ E ₁ Z ₁	02 08 17	20		
			ePS	N ₁ E ₁ Z ₁	09 01	34		
			eSS	N ₁ E ₁	13 04	17		
			eG	N ₁ E ₁	18.0	61		
			eL	Z ₁	21.5	34		
			M	N ₁ Z ₁	24.0	47		
377	30	TAU	eSS	N ₁ E ₁	09 09 51	24		12.5N, 8
			eL	N ₁ E ₁ Z ₁	29.4	29		
			M	E ₁ Z ₁	35.7	18		
378	30	TAU	eL	N ₁ F ₁ Z ₁	15 37.0	22		
379	30	TAU	e	N ₁	15 48 53	15		
			e(S)	N ₁	53 16	25		
			eL	N ₁ E ₁ Z ₁	56.7	42		
			M	E ₁	59.9	21		
			M	N ₁ Z ₁	16 04.7	15		
380	30	TAU	eL	N ₁ E ₁ Z ₁	16 33.3	29		
381	31	TAU	eL	E ₁	04 38.1	15		
382	31	TAU	ePS	E ₁	12 02 52	20		5.6N, 8
			eSS	N ₁ E ₁ Z ₁	09 51	25		
			eG	N ₁ E ₁	23.9	39		
			eL	N ₁ E ₁ Z ₁	29.5	29		
			eW ₂	N ₁	13 11.9	73		
383	31	TAU	eL	E ₁ Z ₁	23 25.1	24		

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

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No.	Date	Stn.	Phase	Comp.	Time (GMT)	Per.	Amp.	Remarks	No.	Date	Stn.	Phase	Comp.	Time (GMT)	Per.	Amp.	Remarks	No.	Date	Stn.	Phase	Comp.	Time (GMT)	Per.	Amp.	Remarks
					h m s	s	h m s							h m s	s	h m s										
584	1	TAU	iP	FZV	09 53 09.8	↓	↑	C	584	7	TRR	eP	V	16 10 40.0	1	↑	7.8S, 119.8E	618	11	TAU	eP	V	16 10 40.0	1	↑	
								23.7S, 179.6W				ePcP	V	12 34.5	↓											
												(iScP)	V	16 04.0	↓											
585	1	TAU	eL	N ₁ E ₁ Z ₁	14 05.8	25		17.6S, 168.5E				MOO	iP	V	16 10 44.0	1	+ C									
												e	V	11 27.0	↓											
												iPcP	V	12 37.5	1	-										
586	1	MOO	eP	V	15 41 44.0	1						TAU	iP	NEZV	16 10 46.7	1	+ C									
			iPcP	V	43 20.0	1						iS	E ₁	16 54	23	-										
		TAU	iP	NEZV	15 41 49.7	↓	-	D				esS	N ₁	17 54	28		H16 03 09									
			iS	N ₁ E ₁ Z ₁	48 34	18	+ -					iSS	N ₁ E ₁	20 11	21	+ Δ42° 1, h 0.02										
			iSS	N ₁ E ₁	51 47	31	-	H15 33 26				eL	N ₁ E ₁	21.3	64											
			eSSS	Z ₁	52 48	14		Δ46° 7, h0.005				eL	Z ₁	25.5	29											
			eL	N ₁ E ₁	53.6	63																				
			iL	Z ₁	55.3	54	-	1.9N, 133.0E																		
			M	E ₁	58.9	22																				
			M	N ₁ Z ₁	16 01.9	21																				
587	1	MOO	eP	V	18 00 43.0	1																				
		TAU	iP	NEZV	18 00 47.1	1	+ C																			
			iS	N ₁ E ₁ Z ₁	07 29	22																				
			iSS	N ₁ E ₁	10 58	32	+ +	1.9N, 132.8E																		
			eL	N ₁ E ₁	12.7	62																				
			eL	Z ₁	14.3	53																				
			M	E ₁	17.7	22																				
			M	N ₁ Z ₁	20.7	22																				
588	2	TAU	eP	NEZV	01 14 23.4	↓		H 01 11 22.4																		
			eS	NZV	16 44.3	↓		Δ12° 7																		
			eT	NEZV	26 50.0	↓																				
			Tmax	V	27 17.5	↓																				
		MOO	eP	V	01 14 31.0	1																				
589	2	TAU	eSS	E ₁ Z ₁	07 07 50	17		17.7S, 167.5E																		
			eL	N ₁ E 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	↓																				
			iS	N ₁ E ₁	15 00 42	24	- +	10.0S, 117.8E																		
			iSS	N ₁ E ₁ Z ₁	03 42	16	-																			
			eL	N ₁ E ₁ Z ₁	06.1	36																				
			M	N ₁ E ₁	09.2	24																				
			M	Z ₁	14.8	16																				
591	3	MOO	iP	V	01 07 20.0	1		D																		
		TAU	iP	ZV	01 07 22.8	1		D																		
			e	N ₁	13 31	21																				
			eL	N ₁ E ₁ Z ₁	17.6	19		7.9S, 158.3E																		
592	3	TAU	eL	N ₁ E ₁ Z ₁	18 17.3	22		37.6S, 179.5E																		
			M	E ₁ Z ₁	19.4	20																				
593	4	TAU	iP	NEZV	23 06 11.6	1	+ --	D																		
			epP	V	06 22.5	↓																				
			e(S)	N ₁ E 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 ₁ E ₁ Z ₁	24.6	23																				
			M	E ₁ Z 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 ₁ E ₁ Z ₁	21 24.2	28		49.8S, 114.9W																		
596	6	TAU	eL	N ₁ E ₁ Z ₁	01 02.6	30		28.0N, 55.6E																		
597	6	TAU	eL	E ₁ Z ₁	04 35.2	23		45.8N, 122.5W																		
598	6	TAU	eS	N ₁	21 06 32	16		10.5N, 121.9E																		
			eSS	N ₁ E ₁ Z ₁	10 57	21																				
			eL	N ₁ E ₁ Z ₁	17.5	28																				
599	6	TAU	eL	N ₁ E ₁ Z ₁	21 45.7	48		4.9S, 152.7E																		
600	7	TRR	eP	V	16 10 40.0	1	↑	7.8S, 119.8E																		
			ePcP	V	12 34.5	↓																				
			(iScP)	V	16 04.0	↓																				
		MOO	iP	V	16 10 44.0	1	+ C																			
			e	V	11 27.0	↓																				
			iPcP	V	12 37.5	1	-																			
		TAU	iP	NEZV	16 10 46.7	1	+ C																			
			iS	E ₁	16 54	23	-																			
			esS	N ₁	17 54	28		H16 03 09																		
			iSS	N ₁ E ₁	20 11	21	+ Δ42° 1, h 0.02																			
			eL	N ₁ E 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	↓	- D																			
602	8	TAU	eSS	E ₁	01 05 17	24		4.4S, 105.5W																		
			e	N ₁	15 35	40																				
			eL	N ₁ E ₁ Z ₁	19.4	33																				
603	8	TAU	eL	E ₁ Z ₁	08 01.5	33		20.1S, 168.6E																		
			eL	N ₁	02.7	18																				
			M	E ₁ Z ₁	06.3	17																				
604	8	MOO	iP	V	10 09 48.5	1	- D																			
		TAU	iP	Z	10 09 50.7	1	- D																			

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

No.	Date	Stn.	Phase	Comp.	Time (GMT)	Per.	Amp.	Remarks
13	19	TAU	eL	N ₁ E ₁	12 53.6	22	NEZ	C
16								43.25, 76.0W
1	19	TAU	iP	NEZV	14 03 07.3	1	-	D
1			e	N ₁	03 33	20		
1			iL	N ₁ E ₁	08.6	26	+	60.75, 152.9E
1			eL	Z ₁	07.4	22		
1			M	N ₁ E ₁	07.8	17		
1			M	Z ₁	08.4	16		
1		MOO	iP	V	14 03 14.5	1	-	D
1		TRR	iP	V	14 03 18.0	1	-	D
1		SAV	iP	V	14 03 21.5	1	-	D
1	20	TRR	iP	V	10 18 15.5	1	-	D
1		TAU	iP	ZV	10 18 18.4	1	-	D
1								6.15, 154.5E
1	20	TAU	eP	NEZ	22 46 55.7	1		
1			eT	NEZ	59 52.6	1		
1			Tmax	NEZ	23 00 21.6	1		
1	20	TAU	eT	NEZ	23 19 48.0	1		
1			Tmax	NEZ	20 22.4	1		
1	22	TRR	iP	V	07 43 35.0	1	-	D
1		TAU	eL	N ₁ E ₁ Z ₁	07 52.2	18		18.25, 167.6E
1	22	TAU	eL	N ₁ E ₁ Z ₁	11 02.2	30		
1	22	TAU	eSS	N ₁	20 45 47	22		30.25, 178.6W
1			eL	E ₁ Z ₁	46.9	26		
1	23	TAU	eL	E ₁	00 14.6	16		
1	23	TAU	ePS	N ₁ E ₁	00 58 42	23		15.15, 75.3W
1			eSS	N ₁ E ₁	01 04 34	24		
1			eL	N ₁ E ₁	21.6	29		
1	24	MOO	iP	V	10 39 55.5	1	-	D
1			ePcP	V	42 30.5	1		24.85, 180.0
1			ePcP	V	45 27.5	1		
1		TAU	iP	NEZV	10 39 55.9	1	-	D
1		TRR	iP	V	10 40 00.0	1	-	D
1			iPcP	V	42 31.0	1	+	
1	24	TAU	iPKP	ZV	16 39 27.9	1	-	D
1			i	V	39 36.0	1	+	9.8N, 40.7W
1		MOO	iPKP	V	16 39 30.5	1	-	D
1			i	V	39 38.0	1	-	
1		TRR	iPKP	V	16 39 36.5	1	-	D
1	24	TAU	eSS	N ₁ E ₁	17 39 35	31		2.55, 148.9E
1			eL	N ₁ E ₁	41.2	38		
1			eL	Z ₁	44.5	28		
1	25	TAU	eL	N ₁ E ₁	10 19.4	28		10.6N, 125.2E
1	25	SAV	eP	V	15 03 05.0	1		5.95, 148.4E
1		TAU	eL	E ₁	15 14.1	25		
1	26	SAV	eP	V	16 05 51.5	1		23.85, 175.8W
1	27	TRR	eP	V	03 31 50.0	1		Local
1			eS	V	32 09.0	1		
1		MOO	e	V	03 32 24.5	1		
1		TAU	e	V	03 32 36.5	1		
1	27	TRR	iP	V	07 03 59.0	1	-	D
1			iP	V	04 38.5	1	+	25.1N, 122.9E
1		MOO	iP	V	07 04 01.0	1	-	D
1			iP	V	04 40.5	1	+	
1		TAU	iP	V	07 04 03.5	1	-	D
1			iP	V	04 43.0	1	+	
1	27	SAV	iP	V	12 17 42.0	1	-	D

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Data Stn. Phase Comp. Time (GMT) Per. Amp. Remarks										Data Stn. Phase Comp. Time (GMT) Per. Amp. Remarks										Data Stn. Phase Comp. Time (GMT) Per. Amp. Remarks												
h m s s mHz										h m s s mHz										h m s s mHz												
662	1	TAU	IP	V	04	23	13.5	1	-	D	679	12	TAU	IP	NZV	14	08	22.7	1	-	D	697	21	TAU	IP							
			ePcP	V		26	09.0	1		29.75, 177.7W			eL	N ₁ E ₁ Z ₁		33.4	49			60.35, 25.9W												
		MOO	IP	V	04	23	14.0	1	-	D	680	12	TAU	IP	NEZV	23	07	12.0	1	+	C	698	21	TAU	IP							
			iPcP	V		26	09.0	1	+				i	V		07	29.5	N	-													
		TRR	IP	V	04	23	18.0	1½	-	D			ePS	N ₁ E ₁		16	37	38			4.6N, 96.5E	699	21	TAU	e							
663	1	MOO	IP	V	21	09	20.0	1	-	D			eSSS	N ₁ E ₁		23	28	44														
		TAU	IP	V	21	09	21.0	N	-	D	681	15	TAU	IP	V	02	44	34.0	N	+	C											
		TRR	IP	V	21	09	23.5	1	-	D			eL	N ₁ E ₁ Z ₁		27.3	37			17.35, 178.9W												
										17.75, 178.7W																						
664	4	TAU	IP	V	10	41	41.0	1	+	C	682	15	TAU	e	N ₁	04	51	19	28													
										6.15, 144.9E			eL	N ₁ E ₁ Z ₁		57.5	23															
665	4	TAU	eP	V	16	48	01.0	1		16.55, 172.8W	683	15	TAU	eL	N ₁ E ₁ Z ₁	14	40.3	26														
666	4	TAU	IP	V	19	39	49.0	N	-	D	684	17	TAU	eS	E ₁	02	29	42	24			4.25, 127.6E	700	21	SAV	IP						
										4.9N, 122.8E			e	N ₁		30	12	9														
667	7	TRR	IP	V	14	14	15.5	N	-	D			eL	E ₁		35.9	41															
			ePcP	V		15	50.0	1½	-	29.2N, 139.2E			eL	N ₁		37.0	30															
		MOO	IP	V	14	14	15.5	N	-	D			eL	Z ₁		39.3	15															
			ePcP	V		15	50.0	1½	-				M	N ₁ E ₁		40.3	18															
		TAU	IP	V	14	14	18.0	N	-	D			M	Z ₁		42.4	19															
			ePcP	V		15	54.0	2½	-																							
668	8	TAU	IP	N ₁ E ₁ Z ₁	18	26	29	12	- +	C	685	17	TAU	eL	N ₁ E ₁ Z ₁	08	05.6	24														
			e	N ₁ E ₁ Z ₁		32	08	26																								
			i	N ₁ Z ₁		33	10	28	+	15.25, 173.7W	686	17	TRR	IP	V	11	08	27.5	1	-	D											
			eSS	N ₁ E ₁		36	05	36					iPcP	V		09	44.5	½	-	2.1N, 122.9E												
			eL	N ₁		37.1		39					iScP	V		13	00.0	N	-													
			iL	E ₁ Z ₁		38.8		34	+				MOO	IP	V	11	08	30.5	1	-	D											
			M	N ₁ Z ₁		39.8		34					TAU	iPcP	NEZV	11	08	33.0	1	-	D											
													iScP	ZV		09	47.7	1	-													
669	8	TAU	eP	Z ₁	21	40	36	16		25.85, 63.4W			iS	N ₁ E ₁ Z ₁		15	11	19	+	H 11 00 17												
			ipP	N ₁ E ₁ Z ₁		42	46	22	-				iScS	N ₁ E ₁		17	40	16	+	Δ50° 0, h 0.06												
			ePP	N ₁ Z ₁		45	02	26					e	E ₁ Z ₁		20	58	23														
			e	Z ₁		47	50	20					eL	N ₁ E ₁ Z ₁		24.4	31															
			iSKS	N ₁ E ₁ Z ₁		50	09	28	+ -				M	E ₁ Z ₁		29.9	19															
			iS	N ₁ E ₁		51	37	28	++																							
			iSP	N ₁ E ₁ Z ₁		53	19	36	+ -																							
			iPS	N ₁		54	37	48																								
			i	N ₁		57	41	32	+																							
			iSS	N ₁		59	26		-																							
			e(SKKKS)	N ₁ E ₁	22	02	25	37																								
			iSSS	N ₁ Z ₁		03	31	29	+ +																							
			e	N ₁		07	12	24																								
670	9	TAU	eL	N ₁	14	31.3		32		22.45, 177.9W	687	17	TRR	IP	V	17	38	30.5	N	-	D											
671	9	TAU	eL	N ₁ Z ₁	14	45.6		36		4.75, 153.7E											38.0N, 106.1E											
672	9	TAU	e(P)	Z	21	02	10.2	½		17.75, 173.6W	688	18	TRR	IP	V	03	04	49.0	1	+	C											
			eS	N ₁ E ₁		08	08	20					MOO	IP	V	03	04	49.5	1	+	C											
			eL	N ₁		11.8		36					TAU	IP	NZV	03	04	52.2	1	-	C											
			eL	E ₁ Z ₁		14.1		30						iPcP	V		05	25.5	N	-	21.6N, 143.1E											
			M	E ₁ Z ₁		16.6		19																								
673	10	TAU	eS	N ₁ E ₁ Z ₁	05	16	12	22		28.35, 62.7E	689	18	TAU	eL	N ₁ E ₁ Z ₁	06	05.8	16														
			eL	N ₁		24.7		37																								
			eL	N ₁ E ₁ Z ₁		27.9		27																								
674	10	TAU	eS	N ₁	06	24	31	20		8.45, 157.4E	690	18	TAU	eL	N ₁ E ₁ Z ₁	07	26.7	24														
			eSS	N ₁ E ₁		26	58	36																								
			eL	N ₁ E ₁ Z ₁		28.9		47																								
675	10	TAU	IP	NEZ	17	02	34.4	1	+	C	691	18	TAU	eL	N ₁ E ₁ Z ₁	08	24.5	25														
			eS	E ₁		07	49																									
			e	Z ₁		08	15	17		27.25, 176.8W	692	18	TAU	IP	EZ	10	40	03.2	1	-	D											
			eSSS	N ₁		10	10	24					ipP	Z		40	54.7	1½	-													
			eL	N ₁ E ₁ Z ₁		11.3		25					iPcP	Z		42	48.8	1	-	28.35, 178.2W												
			M	N ₁ E ₁ Z ₁		15.8		18					i(SSS)	N ₁ E ₁ Z ₁		47	20	27														
676	11	TAU	IP	NEZ	02	38	03.8	1½	-	D	693	19	MOO	IP	V	13	03	31.0	1	+	C											
			eL	N ₁ E ₁ Z ₁		41.2		24					TRR	IP	V	13	03	31.0	1	+	C											
		MOO	eP	V	02	38	05.5	1½		48.95, 124.6E			TAU	IP	EZV	13	03	34.5	1	++	C											
		SAV	eP	V	02	38	12.5	2					ipP	Z		03	56.9	1	+													
													ePPP	N ₁		05	34	14			4.75, 154.0E											
													iS	N ₁ E ₁		09	23	22	-													
													iSS	N ₁ E ₁ Z ₁		12	22	22	+	H 12 56 19												
													eL	N ₁ E ₁ Z ₁		14.8	35			Δ30° 4, h 0.01												

DECEMBER 1962

ations quoted are those given by U.S.C.G.S.

Seismograms read by Lesley Read.



Read by Lesley Read.										Intern Seism Centre									
Amp.	Remarks	No.	Date	Sta.	Phase	Comp.	Time (GMT)	Per.	Amp.	Remarks	No.	Date	Sta.	Phase	Comp.	Time (GMT)	Per.	Amp.	Remarks