

Period 12 secs. Damping ratio 20:1 Tilt 1" = 47.1mm.

Date	Universal Time	Phase	A. μ	Period secs.	Remarks
1932	h m s				
Jan. 3	22 48 48	e			very small; micros obscure any earlier phases
	50 23	i			
	52 55	i			
	56.5	L?			
5	0 49 30	i			small
	52 42	i			small
	1 3.4?	L			small
5	2 16 50	S			
	22 29	SR1			
	25 35	SR2			
	32 0	L			
	34.5	M	11	25	
5	4 54 29	i			
	56 42	L			
	58.3	M	5	18	
6	16 52 20	i			small
	55 46	i			well marked
	17 0 5	L			
	1.2	M	6	14	
9	10 27 48	P			$\Delta = 27.8$
	28 14	i			
	32 37	S			
	33 28	i			
	35.2	L			
	38.7	M	133	16	
13	8 5 3	i			small
	9.5?	L			
14	1 30 30	e			very small; PR2?
	34 19	i			small
	34 49	i			larger than preceding; S?
	37 52	L			
	39.5	M	2	14	
17	7 51 9	eP			$\Delta = 29.5$
	56 12	iS			
	8 0	L			
	3.3	M	32	15	
18	11 0 55	i			very small
	9 15	e			" "
24	3 50 23	P			$\Delta = 27.0$
	55 6	S			
	56 25	SR1			
	58 0	L			
	0.7	M1	161	18	
	4.6	M2	130	15	

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Date	Time	Phase	A Period	Remarks
1951	0 27 52	1B		earlier phases obscured by heavy mist
	0 28 2	1B		
	1 0 52	1		
	2 24 3	2		
	2 25 0	2		
	2 25 2	2		
	2 25 3	2		
	2 25 4	2		
	2 25 5	2		
	2 26 0	2		
	2 26 1	2		
	2 26 2	2		
	2 26 3	2		
	2 26 4	2		
	2 26 5	2		
	2 27 0	2		
	2 27 1	2		
	2 27 2	2		
	2 27 3	2		
	2 27 4	2		
	2 27 5	2		
	2 28 0	2		
	2 28 1	2		
	2 28 2	2		
	2 28 3	2		
	2 28 4	2		
	2 28 5	2		
	2 29 0	2		
	2 29 1	2		
	2 29 2	2		
	2 29 3	2		
	2 29 4	2		
	2 29 5	2		
	2 30 0	2		
	2 30 1	2		
	2 30 2	2		
	2 30 3	2		
	2 30 4	2		
	2 30 5	2		
	2 31 0	2		
	2 31 1	2		
	2 31 2	2		
	2 31 3	2		
	2 31 4	2		
	2 31 5	2		
	2 32 0	2		
	2 32 1	2		
	2 32 2	2		
	2 32 3	2		
	2 32 4	2		
	2 32 5	2		
	2 33 0	2		
	2 33 1	2		
	2 33 2	2		
	2 33 3	2		
	2 33 4	2		
	2 33 5	2		
	2 34 0	2		
	2 34 1	2		
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	2 35 0	2		
	2 35 1	2		
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	2 35 4	2		
	2 35 5	2		
	2 36 0	2		
	2 36 1	2		
	2 36 2	2		
	2 36 3	2		
	2 36 4	2		
	2 36 5	2		
	2 37 0	2		
	2 37 1	2		
	2 37 2	2		
	2 37 3	2		
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	2 37 5	2		
	2 38 0	2		
	2 38 1	2		
	2 38 2	2		
	2 38 3	2		
	2 38 4	2		
	2 38 5	2		
	2 39 0	2		
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	2 39 3	2		
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	2 41 5	2		
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	2 42 3	2		
	2 42 4	2		
	2 42 5	2		
	2 43 0	2		
	2 43 1	2		
	2 43 2	2		
	2 43 3	2		
	2 43 4	2		
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	2 45 1	2		
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	2 45 3	2		
	2 45 4	2		
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	2 50 5	2		
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	2 51 5	2		
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	2 72 1	2		
	2 72 2	2		
	2 72 3	2		
	2 72 4	2		
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	2 73 5	2		

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Date 1932	Universal Time			Phase	A μ	Period secs	Remarks
	h	m	s				
Jan.24	10	8	40?	e			very small
			12 18	L?			
			14.4	M	3	13	
25	1	58	50	i			indistinct traces earlier
	2	3	27	L			
			9.2	M	24	17	
25	8	1	40	e			
			5 16	L			
26	5	3	55	e			S?
			7 15?	L			
27	5	20	53	i			small
			23 15	L			
29	13	47	48	P			$\Delta = 30.6$
			52 58	S			
			54 52	SR1			
			55.4?	L			
			58.6	M	256	14	
29	15	46	2?	P			previous still recording
			50 49	S			
			54.8	L			
29	19	12	17	e			amplitudes small
			16 20	L			
Jan.29d 23h 4m to Feb. 1d 23h 23m record lost.							
Feb. 3	6	38	39	i			from distant source; phases uncertain.
			40 16	i			PR1?
			45 21	i			Σ ?
			58 11	i			SR1?
	7	23.2		L			
3	12	3	41	eS			
			5 14	L			
			5.7	M	36	20.5	
3	14	45	20?	S			
			47 56	L			
4	7	26	23	eS			
			28 36	SR1			
			30 18	L			
			34.1	M	10	10	
6	17	53	46	i			very small
			57 17	i			
	18	1.6		L			
14	1	46	48	e			very small
			50.3	L			

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Date	Time	Phase	A	Period	Remarks
1932	h m s		μ	secs.	
Feb 14	12 2 53	e			
	4 38	i			
	6 55	i			this, or following, is L
	8 46	i			
	13.3	M	7	12	
14	15 27 38	P			
	27 49	L			local shock; felt at Flinders Is.
14	23 34 20	e			
	46 30?	L			
16	13 56 14	P			$\Delta = 37^{\circ}7$
	57 44	PR1			
	14 2 12	S			
	5 7	SR1			
	7 19	L			
	17.0	M	72	15	
21	11 46 28	S			
	48 8	i			
	49.5	L			
	50.8	M	10	19	
23	0 29 46	PR1			
	31 50	PR2			
	36 12	iS			
	41 30	SR1			
	45 7	i			
	46 50	SR2			
	47.7	m	188	30	
	55 5	L			
	56.5	M	80	16	
23	20 17 45	eP			$\Delta = 29^{\circ}1$
	22 45	S			
	25 10	L			
	27.8	M	45	18	
25	14 22 12	e			micros strong
	22 20	S			
	24 4	L			
	24.5	M	10	12	
25	16 7 39	i			small
	11 18	L			
	12.9	M	6	10	
Mar. 1					record missing from 21h 3m to 23h 16m.
2	13 24 22	e			small
	28 18	i			
	29 50	L?			
	31.9	M	11	10	

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Date	Time	Phase	A	Period	Remarks
1972	12 14	2 23	2		
		2 28	1		
		2 32	1		
		2 38	1		
		2 42	1		
		2 48	1		
		2 52	1		
		2 58	1		
		3 02	1		
		3 08	1		
		3 12	1		
		3 18	1		
		3 22	1		
		3 28	1		
		3 32	1		
		3 38	1		
		3 42	1		
		3 48	1		
		3 52	1		
		3 58	1		
		4 02	1		
		4 08	1		
		4 12	1		
		4 18	1		
		4 22	1		
		4 28	1		
		4 32	1		
		4 38	1		
		4 42	1		
		4 48	1		
		4 52	1		
		4 58	1		
		5 02	1		
		5 08	1		
		5 12	1		
		5 18	1		
		5 22	1		
		5 28	1		
		5 32	1		
		5 38	1		
		5 42	1		
		5 48	1		
		5 52	1		
		5 58	1		
		6 02	1		
		6 08	1		
		6 12	1		
		6 18	1		
		6 22	1		
		6 28	1		
		6 32	1		
		6 38	1		
		6 42	1		
		6 48	1		
		6 52	1		
		6 58	1		
		7 02	1		
		7 08	1		
		7 12	1		
		7 18	1		
		7 22	1		
		7 28	1		
		7 32	1		
		7 38	1		
		7 42	1		
		7 48	1		
		7 52	1		
		7 58	1		
		8 02	1		
		8 08	1		
		8 12	1		
		8 18	1		
		8 22	1		
		8 28	1		
		8 32	1		
		8 38	1		
		8 42	1		
		8 48	1		
		8 52	1		
		8 58	1		
		9 02	1		
		9 08	1		
		9 12	1		
		9 18	1		
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		9 38	1		
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		9 48	1		
		9 52	1		
		9 58	1		
		10 02	1		
		10 08	1		
		10 12	1		
		10 18	1		
		10 22	1		
		10 28	1		
		10 32	1		
		10 38	1		
		10 42	1		
		10 48	1		
		10 52	1		
		10 58	1		
		11 02	1		
		11 08	1		
		11 12	1		
		11 18	1		
		11 22	1		
		11 28	1		
		11 32	1		
		11 38	1		
		11 42	1		
		11 48	1		
		11 52	1		
		11 58	1		
		12 02	1		
		12 08	1		
		12 12	1		
		12 18	1		
		12 22	1		
		12 28	1		
		12 32	1		
		12 38	1		
		12 42	1		
		12 48	1		
		12 52	1		
		12 58	1		
		13 02	1		
		13 08	1		
		13 12	1		
		13 18	1		
		13 22	1		
		13 28	1		
		13 32	1		
		13 38	1		
		13 42	1		
		13 48	1		
		13 52	1		
		13 58	1		
		14 02	1		
		14 08	1		
		14 12	1		
		14 18	1		
		14 22	1		
		14 28	1		
		14 32	1		
		14 38	1		
		14 42	1		
		14 48	1		
		14 52	1		
		14 58	1		
		15 02	1		
		15 08	1		
		15 12	1		
		15 18	1		
		15 22	1		
		15 28	1		
		15 32	1		
		15 38	1		
		15 42	1		
		15 48	1		
		15 52	1		
		15 58	1		
		16 02	1		
		16 08	1		
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		16 18	1		
		16 22	1		
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		16 32	1		
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		16 42	1		
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		16 52	1		
		16 58	1		
		17 02	1		
		17 08	1		
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		17 22	1		
		17 28	1		
		17 32	1		
		17 38	1		
		17 42	1		
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		17 52	1		
		17 58	1		
		18 02	1		
		18 08	1		
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		24 42	1		
		24 48	1		
		24 52	1		
		24 58	1		
		25 02	1</		

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Date	Universal Time			Phase	A	Period	Remarks
	h	m	s				
1932					μ		
Mar.-5	1	47	18	PR1			$\Delta = 29^\circ$
			51 20	S			
			52 32	SR1			
			53 51	L			
			57.1	M	36	20	

Mar. 7

clock stopped 13h 15m to 23h 54m

8	3	22	47	i			probably S
			24 22	i			
			26.9	L			
			31.5	M	12	10	
8	18	8	11	iP			$\Delta = 35^\circ.0$
			9 50	PR2			
			13 55	S			
			16 12	SR1			
			18.5	L			
			22.3	M	37	17	
10	5	30	41	PR1			any earlier phases very small
			34 58	S			
			36 21	i			
			41 5	e			
			43 12	L			
			45.6	M	24	20	
15	4	48	0	iS			
			5 1.9	M	17	12	
16	20	47	25	e			
			50 50	S			
			54 22	L			
			56.8	M	14	13	
19	11	9	4	P			$\Delta = 52^\circ.5$
			16 32	S			
			25 28?	L			
			36.3	M	15	15	
19	23	16	8	e			
			22 25	e			
			25.3?	L			
			30.7	M	17	16	
26	0	25	49	e			
			27 35	i			S?
			28 10	i			PS?
			31 54	i			
			33 33	i			SR1?
			37 55	i			SR2?
			45 55	L			
			58.2	M	50	22	
26	9	59	29	iP			$\Delta = 35^\circ.2$
10	0	57		PR1			
			5 12	S			
			7 18	SR1			
			10ca	L			
			15		336?	13?	

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Date	Time	Phase	A	Period	Remarks
Mar. 2	1 47 15	PRT	11	30	
	1 47 20	S	11	30	
	1 47 25	SRT	11	30	
	1 47 30	S	11	30	
	1 47 35	SRT	11	30	
	1 47 40	S	11	30	
	1 47 45	SRT	11	30	
	1 47 50	S	11	30	
	1 47 55	SRT	11	30	
	1 48 00	S	11	30	
	1 48 05	SRT	11	30	
	1 48 10	S	11	30	
	1 48 15	SRT	11	30	
	1 48 20	S	11	30	
	1 48 25	SRT	11	30	
	1 48 30	S	11	30	
	1 48 35	SRT	11	30	
	1 48 40	S	11	30	
	1 48 45	SRT	11	30	
	1 48 50	S	11	30	
	1 48 55	SRT	11	30	
	1 49 00	S	11	30	
	1 49 05	SRT	11	30	
	1 49 10	S	11	30	
	1 49 15	SRT	11	30	
	1 49 20	S	11	30	
	1 49 25	SRT	11	30	
	1 49 30	S	11	30	
	1 49 35	SRT	11	30	
	1 49 40	S	11	30	
	1 49 45	SRT	11	30	
	1 49 50	S	11	30	
	1 49 55	SRT	11	30	
	1 50 00	S	11	30	
	1 50 05	SRT	11	30	
	1 50 10	S	11	30	
	1 50 15	SRT	11	30	
	1 50 20	S	11	30	
	1 50 25	SRT	11	30	
	1 50 30	S	11	30	
	1 50 35	SRT	11	30	
	1 50 40	S	11	30	
	1 50 45	SRT	11	30	
	1 50 50	S	11	30	
	1 50 55	SRT	11	30	
	1 51 00	S	11	30	
	1 51 05	SRT	11	30	
	1 51 10	S	11	30	
	1 51 15	SRT	11	30	
	1 51 20	S	11	30	
	1 51 25	SRT	11	30	
	1 51 30	S	11	30	
	1 51 35	SRT	11	30	
	1 51 40	S	11	30	
	1 51 45	SRT	11	30	
	1 51 50	S	11	30	
	1 51 55	SRT	11	30	
	1 52 00	S	11	30	
	1 52 05	SRT	11	30	
	1 52 10	S	11	30	
	1 52 15	SRT	11	30	
	1 52 20	S	11	30	
	1 52 25	SRT	11	30	
	1 52 30	S	11	30	
	1 52 35	SRT	11	30	
	1 52 40	S	11	30	
	1 52 45	SRT	11	30	
	1 52 50	S	11	30	
	1 52 55	SRT	11	30	
	1 53 00	S	11	30	
	1 53 05	SRT	11	30	
	1 53 10	S	11	30	
	1 53 15	SRT	11	30	
	1 53 20	S	11	30	
	1 53 25	SRT	11	30	
	1 53 30	S	11	30	
	1 53 35	SRT	11	30	
	1 53 40	S	11	30	
	1 53 45	SRT	11	30	
	1 53 50	S	11	30	
	1 53 55	SRT	11	30	
	1 54 00	S	11	30	
	1 54 05	SRT	11	30	
	1 54 10	S	11	30	
	1 54 15	SRT	11	30	
	1 54 20	S	11	30	
	1 54 25	SRT	11	30	
	1 54 30	S	11	30	
	1 54 35	SRT	11	30	
	1 54 40	S	11	30	
	1 54 45	SRT	11	30	
	1 54 50	S	11	30	
	1 54 55	SRT	11	30	
	1 55 00	S	11	30	
	1 55 05	SRT	11	30	
	1 55 10	S	11	30	
	1 55 15	SRT	11	30	
	1 55 20	S	11	30	
	1 55 25	SRT	11	30	
	1 55 30	S	11	30	
	1 55 35	SRT	11	30	
	1 55 40	S	11	30	
	1 55 45	SRT	11	30	
	1 55 50	S	11	30	
	1 55 55	SRT	11	30	
	1 56 00	S	11	30	
	1 56 05	SRT	11	30	
	1 56 10	S	11	30	
	1 56 15	SRT	11	30	
	1 56 20	S	11	30	
	1 56 25	SRT	11	30	
	1 56 30	S	11	30	
	1 56 35	SRT	11	30	
	1 56 40	S	11	30	
	1 56 45	SRT	11	30	
	1 56 50	S	11	30	
	1 56 55	SRT	11	30	
	1 57 00	S	11	30	
	1 57 05	SRT	11	30	
	1 57 10	S	11	30	
	1 57 15	SRT	11	30	
	1 57 20	S	11	30	
	1 57 25	SRT	11	30	
	1 57 30	S	11	30	
	1 57 35	SRT	11	30	
	1 57 40	S	11	30	
	1 57 45	SRT	11	30	
	1 57 50	S	11	30	
	1 57 55	SRT	11	30	
	1 58 00	S	11	30	
	1 58 05	SRT	11	30	
	1 58 10	S	11	30	
	1 58 15	SRT	11	30	
	1 58 20	S	11	30	
	1 58 25	SRT	11	30	
	1 58 30	S	11	30	
	1 58 35	SRT	11	30	
	1 58 40	S	11	30	
	1 58 45	SRT	11	30	
	1 58 50	S	11	30	
	1 58 55	SRT	11	30	
	1 59 00	S	11	30	
	1 59 05	SRT	11	30	
	1 59 10	S	11	30	
	1 59 15	SRT	11	30	
	1 59 20	S	11	30	
	1 59 25	SRT	11	30	
	1 59 30	S	11	30	
	1 59 35	SRT	11	30	
	1 59 40	S	11	30	
	1 59 45	SRT	11	30	
	1 59 50	S	11	30	
	1 59 55	SRT	11	30	
	2 00 00	S	11	30	
	2 00 05	SRT	11	30	
	2 00 10	S	11	30	
	2 00 15	SRT	11	30	
	2 00 20	S	11	30	
	2 00 25	SRT	11	30	
	2 00 30	S	11	30	
	2 00 35	SRT	11	30	
	2 00 40	S	11	30	
	2 00 45	SRT	11	30	
	2 00 50	S	11	30	
	2 00 55	SRT	11	30	
	2 01 00	S	11	30	
	2 01 05	SRT	11	30	
	2 01 10	S	11	30	
	2 01 15	SRT	11	30	
	2 01 20	S	11	30	
	2 01 25	SRT	11	30	
	2 01 30	S	11	30	
	2 01 35	SRT	11	30	
	2 01 40	S	11	30	
	2 01 45	SRT	11	30	
	2 01 50	S	11	30	
	2 01 55	SRT	11	30	
	2 02 00	S	11	30	
	2 02 05	SRT	11	30	
	2 02 10	S	11	30	
	2 02 15	SRT	11	30	
	2 02 20	S	11	30	
	2 02 25	SRT	11	30	
	2 02 30	S	11	30	
	2 02 35	SRT	11	30	
	2 02 40	S	11	30	
	2 02 45	SRT	11	30	
	2 02 50	S	11	30	
	2 02 55	SRT	11	30	
	2 03 00	S	11	30	
	2 03 05	SRT	11	30	
	2 03 10	S	11	30	
	2 03 15	SRT	11	30	
	2 03 20	S	11	30	
	2 03 25	SRT	11	30	
	2 03 30	S	11	30	
	2 03 35	SRT	11	30	
	2 03 40	S	11	30	
	2 03 45	SRT	11	30	
	2 03 50	S	11	30	
	2 03 55	SRT	11	30	
	2 04 00	S	11	30	
	2 04 05	SRT	11	30	
	2 04 10	S	11	30	
	2 04 15	SRT	11	30	
	2 04 20	S	11	30	
	2 04 25	SRT	11	30	
	2 04 30	S	11	30	
	2 04 35	SRT	11	30	
	2 04 40	S	11	30	
	2 04 45	SRT	11	30	
	2 04 50	S	11	30	
	2 04 55	SRT	11	30	
	2 05 00	S	11	30	
	2 05 05	SRT	11	30	
	2 05 10	S	11	30	
	2 05 15	SRT	11	30	
	2 05 20	S	11	30	
	2 05 25	SRT	11	30	
	2 05 30	S	11	30	
	2 05 35	SRT	11	30	
	2 05 40	S	11	30	
	2 05 45	SRT	11	30	
	2 05 50	S	11	30	
	2 05 55	SRT	11	30	
	2 06 00	S	11	30	
	2 06 05	SRT	11	30	
	2 06 10	S	11	30	
	2 06 15	SRT	11	30	
	2 06 20	S	11	30	
	2 06 25	SRT	11	30	
	2 06 30	S	11	30	

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Universal

MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA

Date	Time	Phase	A	Period	Remarks
	h m s		μ	secs.	
1952 Mar.28	0 51 55	iS			earlier phases obscured by heavy micro
	56 5	SR1			
	1 0 24	L			
29	9 24 3	S			
	25 3	L			
	25.9	M	21	15	
30	11 44 44	iS			
	50.5	L?			
	52.5	M	3	11	
→30	15 8 32	i			small
	13 17	i			
	15 40	e			longer period
	17.4	L			
	19.2	M	11?	15?	
30	18 57.9	e			small

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MILBOURNE OBSERVATORY
 -SOUTH YANKEE S.E. 1 VICTORIA

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 University

Date	Time	Phase	A Period	Remarks
Jan. 28	0 51 55	18		earlier phase obscured by heavy rain
	0 56 5	18		
	1 0 24	1		
	2 24 3	3		
	2 25 2	1		
	2 25 2	1	12	
	2 25 2	1	12	
	11 44 44	18		
	11 50 3	18		
	11 52 0	1	11	
	12 5 3	1		small
	12 12 1	1		
	12 40 0	0		longer period
	12 4 1	1		
	12 5 2	1	11 10 1	
	12 27 0	0		small

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Seismological
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MELBOURNE OBSERVATORY

SOUTH YARRA S.E.1 VICTORIA.

MILNE - SHAW SEISMOGRAPH No.41 E-W COMPONENT.

Period 12 secs. Damping ratio 20:1 Tilt, 1" = 42.6mm.
Universal

Date	Time	Phase	A	Period	Remarks
1902	h m s		μ	secs.	
Apr. 3	20 45 20	iP			$\Delta 31.8$
	46 42	PR2			
	50 40	S			
	51 0	i			
	54 30	L			
	56.2	M	53	18	
4	19 35 25	i			well marked; one wave only. " " " " " " " " " " remainder of trace without distinct features
	36 23	i			
	38 0	i			
	42 17	i			
6	13 1 20	i			no L waves perceptible
	3 7	i			
	6 11	i			
	9 42	i			
5	5 20 8	P			$\Delta 10.6$
	22 15	S			
	22 50	L			
	23.3	M	30	6	
8	11 56 25	e			
	12 0 12	S			
	4 40	e			
	8 10	L			
	13.5	M	13	17	
-12 13	23 58 34	e			very small " "
	0 0 50	e			
	4 55	S			
	6 47	i			
	9 18	i			
	10 58	L			amplitudes little greater than earlier phases
	13.7	M	25	14	
13	4 6 32	e			
	11 55	S			
	18 52	L			
14	6 52 42	e			
	56 22	L			
14	17 12 14	e			very small
	19.2	L			
18	5 2 53	i			micros large
	7 0	i			
	10 8	L			
22	5 7 21	e			small and obscured by micros
	14 7	iS			
	24 12	L			
	30.8	M	10	18	
23					record lost from 3h to 23h.

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Universal

MELBOURNE OBSERVATORY
SOUTH YARRA S.E. 1 VICTORIA.

Date	Time	Phase	A	Period	Remarks
1932	h m s		u	secs.	
Apr. 25	7 15 47	e			very small
	20 5	e			
	23 12	e			
	28?	L			
29	17 46 12	i			small
	49 41	i			
May -1	4 22 26	e			
	25 19	e			
	25 46	i			
	29 32	L?			
	31.6	M	13	11	
-5	8 29 34	P			$\Delta 24^{\circ} 0$ Press reports Hawke's Bay N.Z.
	30 13	i			
	33 50	S			
	37 0	L			
	38.6	M	22	18	
10	15 34 38	i			
	38 7	i			
	43.6?	L			
12	6 21 55	i			
	25 18	i			
<14	15 18 55	iP			$\Delta 39^{\circ} 6$ Manilla reports Celebes
	20 33	PR2			
	25 4	S			
	30.7?	L			
	36.5	M	768	18	
15	8 20 33	eS			
	22 17?	L			
	24.2	M	17	10	
17	13 9 25	e			
	18ca	L			
18	18 57 30	S1			
	19 1 47	L1			
	5 28	S2			
	9 30	L2			
21					record lost 3h to 23h.
<22	11 36 49	i			PP S? SR2?
	41 29	i			
	42 53	i			
	46 0	i			
	51.5	L			
	52.9	M	24	15	

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MELBOURNE OBSERVATORY.
SOUTH YARRA S.E.1 VICTORIA.

Date	Universal Time			Phase	A μ	Period secs.	Remarks.
	h	m	s				
1932							
May-26	16	15	16	P			
		15	25	i			
		16	51	i			amplitudes larger; period longer; waves more regular
		17	50	i			
		18	34	i			
		20	0	m			largest wave of trace
		21	15?	L			
		24.4		M 137		14	some very long waves in coda.
27	1	35	16	iP			Δ 24.6
		39	37	iS			
		42	53	i			
28	2	41	3	e			
		48	30	e			
		54	44?	L			
June-5	10	52	12	e			Δ 112°. Identification suggested by Wellington after comparison of Wellington and Melbourne records. Press reports destructive e.q. in Mexico.
		57	13	PR1			
	11	2	47	(S)			
		4	2	S			
		6	55	PS			
		14	29	SR1			
		31	12	L			
		34.5		M1 406		25	
		38.0		M2 313		20	
5	13	13	29	e			very small
		16	13	i			
		16	52	i			
		19	0	i			
		20	47?	L			
8	10	20ca		L			
		22.6		M 8		12	
→8	10	44.5		L			
		46.6		M 5		11	
10	20	35	22	i			
		39	47	i			
		43	13	i			
16	1	36	48	i			
		50.5		L			
18	10	32	35	PR1			
		38	12	(S)			
		42	25	PS			or SuPcSP
		49	13	SR1			
		52	48	SR2			
	11	6	27	L			
		9.7		M 97		20	
20	5	27	3	i			
		28	0	L			

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Universal

MELBOURNE OBSERVATORY
SOUTH YARRA S.E. 1 VICTORIA.

Date	Time	Phase	A	Period	Remarks
1952	h m s		μ	secs.	
June 20	19 21 38	e			
	24 57	e			
	28 49	L			
	29.7	M	40	16	
-22	13 19 33	PR2			Press reports Mexico.
	25 6	(S)			
	29 12	PS			
	36 11	SR1			late
	40 25	SR2			
	53.5	L			
	57.3	M	40	24	M
-23	2 21 40	i			
	23 53	i			
	27 12	L			
	29.6	M	17	15	M
27	1 21 5	e			
	22 20	L			
	24 0	M	5	11	
28	10 49 15	e			very small
	50 37	L			
	52.7	M	5	11	

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Period 12 secs. Damping ratio 20:1 Tilt 1" = 43.8mm.
Universal

Date	Time	Phase	A	Period	Remarks
1932	h m s		μ	secs.	
Jul. 1	10 20 22	e			small; no definite phases slight increase in amplitudes.
	20 51	i			
	21 49	e			
	25 55	e			
	28 2	e			
	29.5	L			
2	2 24 17	iS?			
	26 42	i			may be SR1
	29 5	e			may be L
5	11 8 7	e			small
	16.6	L			very small
	23.5	M	8	22	
7	16 45 35	i			PR1?
	52 14	i			S?
	17 9 22	L			
	12.5	M	24	24	
9	13 2 11	eP			micros strong
	2 53	iPR1			
	7 5	S			= 22.2 (Jeffrey's Tables 1932)
	8 55	i			
	9 10	L			
	11 0	i			
12	19 54 53	e			small
	20 0 50	e			
	17.7	L			
	25.6	M	13	24	
14	9 4 57	iS			
	7 26	i			
	9 27	i			may be L
15	20 59 24	iP			small
	21 3 53	iS			$\Delta = 20.0$
	6 22	L			
20	4 57 24	i			
	57 49	i			
	5 1 33	i			
	2 5	i			largest wave in trace; remainder insignificant.
20	20 12 13	i			phases not identified; may be multiple
	13 5	i			e.g.; all amplitudes small
	13 35	i			longer period
	17 56	iL?			
	20 45	L			
21	12 47 24	eP			very small
	52 14	S			$\Delta = 28.3$
	54 19	SR1			
	55 55	L			
	13 0.0	L	125	7	

Date	Universal Time			Phase	A μ	Period secs.	Remarks
	h	m	s				
1952 Jul. 21	16	43.2		e			very small
		44.5		e			small
		56.0		L			
25	9	42	42	i			micros obscure any earlier phases.
		43	30	e			
		45	10	i			
		49	22	i			
		54	0	i			
	10	7	3	L			
27	21	31	32	S			earlier phases obscured by micros.
		34	50	SR ₂			
		36	27	L			
		39.3		M	52	10	
29	21	3	23	e			very small
		12	33	S			
		15	42	SR ₁			no other features identified
30	12	28.3		e			very small
		31	30	i			
		39.3		L			
Aug. 2	4	39	55	S			remaining amplitudes little, larger than first two phases.
		42	56	SR ₁			
		50.3?		L			
3	9	50.3		i			7 14
	9	54.4		II			
5	3	58	40	iP			Riverview reports local shock. $\Delta = 4.9?$
		59	21	e			
		59	36	iS?			
		59	46	L			
		59.9		II	3	10	
10	17	40	2	i			preceded by heavy micros.
		41	38	L			
		42.3		II	12	10	
12	3	49	11	i			whole train obscured by heavy micros.
	4	15ca		L			
13	21	0	40?	i			micros very strong
		3	49	L			
		5	0	M	28	11	
14	0	50ca		e			micros very strong
	1	3	17	i			
14	4	51	28	P			micros very strong
	5	1	14	S			
		7	ca	L			

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 Universal

Date	Time	Phase	A	Period	Remarks.
1932	h m s		μ	secs.	
Aug. 21	4 35 0	S			
	48 16	L			
	52.2	H	5	12	
26	13 18 43	e			very small; may be Pr1
	21 26	S			
	22 6	L			
	23.9	M	12	10	
30	1 56 ca	L			small trace, much obscured by micros.
	58.5	H	5	12	
Sept 1	2 8 14	e			heavy micros.
	8 51	i			
	12 33	i			
	13.4	M	14	8	
2	18 22 32	iP			local shock felt in south central part of Victoria
	22 34	i			Epicentre based on isoseismals,
	22 38	i			38°15'S; 145°E
	22 39	M	40	?	
	22 42	m			
	22 52	m			
	23 55	m			
	25 0	F			
2	20 35 28	i			local tremor.
2	20 41 7	i			" "
9	7 0 ca	i			obscured by micros.
	9.2?	L			
9	13 45 46	eP			
	46 45	i			
	52 10	S			= 42.8
	55 26	SR1			
	58 30	L			
	59.7	H	79	12	
14	5.9	L			
15	11 20 45	i			small
	29 15	iS			most distinctive feature of trace
	33 0	i			
15	14 0 22	P			
	0 28	i			
	9 0	i			
	5 1	S			$\Delta = 26.9$
	7 0	L			
	9.5	M1	29	15	
	12.9	M2	33	18	
16	22 40 23	e			very small
	42 20	i			
	43.9	H	5	11	

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MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA

Date	Universal Time			Phase	A	Period	Remarks
	h	m	s				
Sept 23	14	35	23	e			amplitudes very small tillis may be S of second quake Sr1 of second quake?
		43	59	S	18	13	
		45	54	i	26	13	
		51	10	i			
		54	48	i			
		58.8	L				
	15	1.5	M	19	18		
26	19	45	17	i			very small
		44	0	i			
		49	53	i			
20	1	30	i				
	19	ca	L				
28	20	24	40?	e			very small
		26	36	e			
		28	2	i			
29	18	3	13?	e			very small small but well marked
		9	23	i			
		15	0	i			
		23	ca	L			

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Double

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MELBOURNE OBSERVATORY

SOUTH TARRA S.E. VICTORIA

MILNE-SHAW SEISMOGRAPH No. 41 E-W COMPONENT.

Period 12 secs. Damping ratio 20:1 Tilt 1" = 142.7mm.
Universal

Date	Time	Phase	A	Period	Remarks
1932	h m s		μ	secs.	
Oct. 2	3 48 12	i			earlier phases obscured by micros
	5 25	F			
16	12 33 55	i			small
	41 0	i			
	57.6	L			from distant source
16	21 5.3	e			small
	6.3	L			
17	13 34 51	e			
	37 8	iS			
	39 35	SR2			
	40 50	L			
	44.8	II	28	16	
20	17 44 23	i			small
	47 57	e			very small
	51.8	L			
	53.0	M	11	27	
23	0 24 28	e			very small
	31.4	L			
23	21 42 45	e			very small
	47 16	i			
	22 3.6	L			
24	18 17 15	i			all amplitudes small
	19 45	i			
	23 27	L			
26	3 8 4	i			felt at Boort, Vic.
	8 12	M	6	?	
26	19 38 30	e			shallow train
	40.5	L			
Nov. 2	11 16 5	iP			small
	26 49	S			$\Delta 88^\circ$
	27 39	PS			
	32 13	SR1			
	38.5	SR3			
	43.3	L			
	44.6	II	14	22	
13	4 58 45	e			all waves small tills
	5 8 35	S	40	9.5	
	10 36	i			
	10 50	(M)	30	15	
	16 53	i			
	19 14	i			
	21.5	L			
	26.5	II	15	19	

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MELBOURNE OBSERVATORY
SOUTH YARRA S.E.1 VICTORIA.

Date	Universal Time			Phase	A	Period μ secs.	Remarks
	h	m	s				
1932 Nov. 13	15	51.4		e			very small
	16	0 45		i			
		8.2		L			
		11.3		M	12	16	
18	9	42 58		i			small
		45.5		L			
18	14	0 56		i			
		4 10		i			
		8 22		i			
22	14	57 54		iP			
	15	3 9		iS			Δ 31.9
		4 50		SR1			
		6 30		L			
		9.8		M	12	7	
26	4	46 0		i			small
		57.5		e			
29	1	10.4		e			
		11.5		L			
29	1	53 54		e			very small
	1	59.0ca		i			
	2	3.6		L			
		4.4		M	14	21	
29	11	29.4		i			small throughout
		35 33		i			
		36 5		i			
		37 8		i			
		58.5		L			
30	3	49 30		i			small
		54.3		L			"
Dec. 3	6	34 38		i			small
		37 55		i			
		41.6		L			
		46		M	11	17	
4	8	19 43		P			Δ 45.0
		26 22		S			
		29 43		SR1			
		33		L			in irregular groups
		38.5		M	240	25	
4	10	41 25		iP			very small
		48 8		S			45.7
		51 48		SR1			
		55.5		L			
6	12	11 17		e			small
		12 20		L			

Seismological
Bulletin No. 20 contd.

MELBOURNE OBSERVATORY

SOUTH YARRA S.E.1 VICTORIA.

Date	Universal Time	Phase	A	Period	Remarks
1932	h m s		μ	secs.	
Dec. 7	16 51 55	i			from distant source
	58 48	i			
	17 16ca	L			sinusoidal train for 25 min.
10	4 4 35?	e			small
	9 53?	e			
	12 18	L			
10	10 28 9	L			
	35.3	H	8	17	
12					record lost; lamp not lit.
21	6 36ca	e			hardly separable from micros.
	40 13	i			
	42 20	i			
	47 3	i			
	50 5	i			
	7 6 40	L			
	9 30	F			
23	14 16 44	i			local shock; felt at Berwick M.c.
→24	6 42 52	S			P waves very small & obscured by micros
	45.9	L			
	51.7	M	125	12.5	
←25	2 17 25	F			
	21 10	FR1			
	23 37	PR2			
	27 58	S			$\Delta 85.7$
	34 22	SR1			
	38 25	SR2			
	45.2	L			
	52.2	M	745	32	
26	16 43 10	e			
	43 43	e			
	46.3	L			
	48.3	H	19	12	
31	6 54 23	i			small
	7 12 7	L			

Small shocks without definite features were recorded as follows_

Oct. 1d 8h, 10h.; 12d 16h.; 18d 4h; 19d 12h; 31d 5h.

Nov. 3d 20h; 8d 16h; 26d 13h.

Dec. 3d 18h; 23d 18h; 24 23h; 29 21h.

A. M. Baldwin.

Government Astronomer.

INTERNATIONAL SEISMOLOGICAL CENTRE
 SOUTH AFRICAN BRANCH, JOHANNESBURG

Date: 1954
 Time: 17:00
 Station: ...
 Magnitude: ...
 Direction: ...
 Duration: ...

Description of event:
 ...
 ...
 ...

Local time: ...
 ...
 ...

Station: ...
 ...
 ...

Direction: ...
 ...
 ...

Duration: ...
 ...
 ...

Station: ...
 ...
 ...