

Seismological Bulletin JANUARY 1936

No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm	Δ	Remarks.
3	9	e e es? Mn Me F	23 24 05 26 32 29 06 32.7 32.7 24 08	12	1.5 0.5		
4	13	iP (e) e is? i xi e eL Me Mn1 Mn2 F	5 48 56 52 38 52 34 59 16 6 00 05 04 52 10 10 16 04 21.3 22.0 23.6 8 03	21 20	0.8 3.4 3.7	83°.4 (9270)	Small. e Δ 4m00
5	14	iP e is i i L Mn Me1 Me2 F	17 47 23 49 11 53 26 53 06 54 19 54 45 58.4 58.8 18 01.0 19 35	15	14.5 3.2 3.6	30°.1	
6	15	eP i e iL Mn1 Mn2 Me1 Me2 F	14 50 02 52 08 55 19 56 50 15 00.5 01.4 02.4 04.6 15 58	13 16	2.5 2.5 1.1 1.4		
7	15	(i) e Me Mn F	16 48 03 51 38 55.8 59.3 17 40	13	0.2 0.6		
8	16	(e) i Mn F	7 12 32 19 09 27.9 7 40	13	0.3		very small.
9	20	iP i i iPPP? is iSSS? L Me Mn F	17 04 19 04 34 05 25 06 11 10 29 13 48 17.1 19.5 23.1 18 25	24	1.5 2.1	39°.9 (4430)	
10	23	is? eL? Mn Me F	10 08 34 11 25 12.9 17.7 10 45	9	0.8		Small-in heavy micros.
11	27	(e) (e) Mn Me F	15 04 16 19 20 32.6 38.6 15 50	25	0.3 0.1		very small.

No.	Time (Greenwich)	Period of recording	Remarks
1	19 00 00	1.0	
2	19 00 05	1.0	
3	19 00 10	1.0	
4	19 00 15	1.0	
5	19 00 20	1.0	
6	19 00 25	1.0	
7	19 00 30	1.0	
8	19 00 35	1.0	
9	19 00 40	1.0	
10	19 00 45	1.0	
11	19 00 50	1.0	
12	19 00 55	1.0	
13	19 01 00	1.0	
14	19 01 05	1.0	
15	19 01 10	1.0	
16	19 01 15	1.0	
17	19 01 20	1.0	
18	19 01 25	1.0	
19	19 01 30	1.0	
20	19 01 35	1.0	
21	19 01 40	1.0	
22	19 01 45	1.0	
23	19 01 50	1.0	
24	19 01 55	1.0	
25	19 02 00	1.0	
26	19 02 05	1.0	
27	19 02 10	1.0	
28	19 02 15	1.0	
29	19 02 20	1.0	
30	19 02 25	1.0	
31	19 02 30	1.0	
32	19 02 35	1.0	
33	19 02 40	1.0	
34	19 02 45	1.0	
35	19 02 50	1.0	
36	19 02 55	1.0	
37	19 03 00	1.0	
38	19 03 05	1.0	
39	19 03 10	1.0	
40	19 03 15	1.0	
41	19 03 20	1.0	
42	19 03 25	1.0	
43	19 03 30	1.0	
44	19 03 35	1.0	
45	19 03 40	1.0	
46	19 03 45	1.0	
47	19 03 50	1.0	
48	19 03 55	1.0	
49	19 04 00	1.0	
50	19 04 05	1.0	
51	19 04 10	1.0	
52	19 04 15	1.0	
53	19 04 20	1.0	
54	19 04 25	1.0	
55	19 04 30	1.0	
56	19 04 35	1.0	
57	19 04 40	1.0	
58	19 04 45	1.0	
59	19 04 50	1.0	
60	19 04 55	1.0	
61	19 05 00	1.0	
62	19 05 05	1.0	
63	19 05 10	1.0	
64	19 05 15	1.0	
65	19 05 20	1.0	
66	19 05 25	1.0	
67	19 05 30	1.0	
68	19 05 35	1.0	
69	19 05 40	1.0	
70	19 05 45	1.0	
71	19 05 50	1.0	
72	19 05 55	1.0	
73	19 06 00	1.0	
74	19 06 05	1.0	
75	19 06 10	1.0	
76	19 06 15	1.0	
77	19 06 20	1.0	
78	19 06 25	1.0	
79	19 06 30	1.0	
80	19 06 35	1.0	
81	19 06 40	1.0	
82	19 06 45	1.0	
83	19 06 50	1.0	
84	19 06 55	1.0	
85	19 07 00	1.0	
86	19 07 05	1.0	
87	19 07 10	1.0	
88	19 07 15	1.0	
89	19 07 20	1.0	
90	19 07 25	1.0	
91	19 07 30	1.0	
92	19 07 35	1.0	
93	19 07 40	1.0	
94	19 07 45	1.0	
95	19 07 50	1.0	
96	19 07 55	1.0	
97	19 08 00	1.0	
98	19 08 05	1.0	
99	19 08 10	1.0	
100	19 08 15	1.0	

ADELAIDE OBSERVATORY.
Seismological Bulletins JANUARY-FEBRUARY, 1935

No	Date	Phase	Time (Greenh) H. M. S.	Recorded Period of Waves N-S	A mm	Δ	Remarks.
12	Jan 27	e e Mn Me F	21 37 25 40.8 42.7 46.2 21 58		0.4 0.5		
13	30	i e Mn F	0 03 23 05 30 09.8 0 20	11	0.5		Small.
14	Feb. 3	i iL Mn Me F	3 55 33 58 45 4 01.1 01.6 4 17	15	0.9 0.2		
15	7	i L Mn Me F	1 06 24 09.8 12.4 14.0 1 50	20	0.6 0.4		
16	7	iP? i i i e Mn F	9 04 04 13 04 18 11 22 31 30 30 44.4 10 27	18	1.0		Prominent.
17	8	iP i i iS eP i i L? Mn1 Mn2 F	12 17 17 18 20 18 35 22 11 23 50 26 06 27 47 29 53 31.6 32.8 13 52	10 10	3.0 3.3	28° 6 (3170)	Double Shock.
18	10	eP? iS? e i Mn F	18 09 44 15 30 12 06 12 49 25.1 18 55	13	0.6	36° 2? (4020)	
19	12	eP? iS? i i i Mn F	10 12 12 15 32 15 54 18 52 19 51 22.4 10 45	7	0.5		Very small. Deep focus type.
20	15	iP iPP i iS i iSS i iL Mn1 Mn2 Mn3 F	12 53 13 54 18 54 32 58 21 58 43 59 53 13 00 25 00 58 04.2 07.3 10.1 15 10	14	11.8 16.7 18.5	30° 7 (3410)	

ADELAIDE OBSERVATORY.
Seismological Bulletin FEBRUARY-XXXX.1936

No	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm	Δ	Remarks.	
	Feb.							
21	16	eP	14 23 10			29°.3 (3250)	Prominent.	
		i	24 17					
		iS	28 07					
		L?	29 48					
		i	30 39					
		i	32 53					
		Mn ₁	32.9	10	1.5			
		Mn ₂	34.1	15	0.9			
		F	15 23					
22	21	eP	17 03 27			29°.6 (3290)		
		i	04 00					
		i	04 14					
		i	04 27					
		iS	08 26					
		i	09 03					
		i	10 10					
		eL?	12 17					
		Mn	17.1	15	4.0			
		Me	20.5		2.5			
		F	18 35					
23	22 22	iP	15 37 16			24°.3 (2900)		
		i	37 40					
		i	38 43					
		i	39 19					
		i	41 07	8	1.5			
		iS	41 32	13	7.0			
		i	42 43					
		iL	43 08					
		Mn ₁	44.2	13	15.8			
		Mn ₂	46.6	13	17.0			
		Mn ₃	48.9	13	13.1			
				F	17 40			
24	23	iP	19 28 03			26°.5? (2940)		
		i	28 17					
		i	30 51					
		e	32 16					
		iS	32 38					
		i	33 08					
		i	33 45					
		iL	34 20					
		Mn ₁	35.4	10	4.2			
		Me	37.0		3.8			
		Mn ₂	38.2	13	4.2			
		F	21 35					
25	27	iP	10 10 16	ca		27.0 (3000)	No time marks	
		i	10 54	ca				
		iS	14 53	ca				
		Mn	17.7	ca	7 ca			7.0
		F	11 30	ca				
26	28	(e)	16 21 59					
		(e)	28 21					
		i	31 22					
		i	32 40					
		i	34 03					
		e(L)	35 27					
		Mn ₁	40.0	13	0.5			
		Mn ₂	41.1	14	0.7			
		F	17 24					

ADELAIDE OBSERVATORY.

Seismological Bulletin MARCH 1936.

No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm.	Δ	Remarks.
27	1	eP 1PP i is i i i i Mn1 Mn2 Me F	10 33 36 35 09 38 23 38 38 40 21 41 38 42 09 42 16 44.9 46.8 11 03.0 12 41	10 6	5.6 8.8 2.5	38° 7 (4300)	
28	2	(e)P i e is ess esss essss eL Mn1 Me Mn2 F	3 30 17 31 05 32 17 40 35 45 42 49 00 50 54 53 33 51.4 53.0 58.4 5 13	13 15	0.5 0.5 0.3	33° 07 (9220)	
29	4	iP es? i e Mn F	6 36 27 41 50 42 15 43 43 46.4 7 40	7 ca	0.3		Deep focus? all phases very small.
30	6	e e e Mn F	14 32 10 41 18 43 30 15 01.5 15 40	10	0.5		
11 Series of surface waves 17 ^h 13 ^m to 17 ^h 20 ^m . Max at 17 ^h 14.7							
31	18	(e) i is? i i i Mn Me F	11 55 09 53 36 12 00 47 02 40 04 48 06 04 08.9 09.7 12 50	14	0.6		
32	18	e(P) (e) e is? i i Me Mn F	13 48 07 50 17 53 14 54 20 55 10 57 43 14 00.1 00.7	10 ca	0.4 1.6	40° 47 (4489)	Short period vibrations (2 ^s ca) superposed from 13.57.15 Single group of three waves.

ADELAIDE OBSERVATORY.
Seismological Bulletin MARCH-APRIL 1936

No.	Date	Phase	Time (Green ^h) H. M. S.	Recorded Period of Waves N-S	Δ mm	Δ	Remarks.
33	Mar. 22	iP	12 22 26			30°.2 (3360)	Indistinct, in strong air tremors.
		i	23 51				
		i	24 51				
		iS	27 30		1.6		
		i	28 07				
		i	29 00				
		i	29 33				
		L	31 05				
		Mn ₁	33.8	12	3.0		
		Me ₁	34.2		1.2		
		Mn ₂	35.0	13	4.2		
		Mn ₃	36.6	13	5.0		
Me ₂	36.9		1.9				
F	14 45						
34	25	eL	2 20 26				Small.
		Mn	21.6	14	0.5		
35	April 1	iP	2 17.07			38°.7 (4300)	
		i	17 22		4.3		
		iPP	18 11				
		iPPP	18 54		3.5		
		iS	23 09		20.0		
		i	23 25				
		i	24 11				
		i	26 21				
		i	27 29				
		iL	28 20				
		Mn ₁	31.0	11 ca	12.2		
		Me ₁	31.0		4.3		
		Me ₂	34.6		4.7		
		Me ₃	35.9		5.6		
		Mn ₂	36.3	25	20.0		
Mn ₃	41.1	22	14				
F	6 10 ca.						
36	1	iP	20 18 36			38°.8 (4300)	in micros. in heavy micros and air tremors.
		i	20 01				
		i	20 20				
		iS	24 39				
		(i)	26 08				
		(i)	27 50				
		(L)	29 35				
		Mn	40.1	13	2.0		
		Me	43.8		0.5		
		F	22 15				
37	2	e(P)	6 23 28			33°.77 (3740)	masked by micros and air tremors.
		(i)	24 18				
		i	25 30				
		iS	28 53				
		(i)	30 10				
		L	32 26				
		i	35 11				
		Mn ₁	37.0	12	6.1		
		Me	37.3		3.1		
		Mn ₂	42.3	14	4.5		
F	7 55 ca						
38	9	e	7 10 22				in micros.
		i	11 46				
		i	23 35				
		i	27 20				
		Mn	34.8	12	0.7		
		F	8 18				

ADELAIDE OBSERVATORY.
Seismological Bulletin APRIL 1936

No.	Date	Phase	Time			Recorded Period of Waves N-S	A mm	△	Remarks.
			H.	M.	S.				
39	9	e(P)	16	08	53			32°.7? (3630)	Small, and in micros.
		i		09	12				
		iS		14	16				
		i		17	09				
		i		17	33				
		L		18	00				
		i		18	37				
		iScs?		19	15				
Mn ₁		22.2			11	3.0			
Me		22.8				2.1			
Mn ₂		23.0			11	4.0			
F		17	25						
40	12	P	20	59.0					N-S record obliterated E-W record, no time marks.
		e	21	01.8					
		i		05.7					
		iS		07.7					
		Me ₁		12.0			2.1		
		Me ₂		16.3			2.7		
		Me ₃		18.7			3.1		
F		23	00						
41	14	(e)	16	00	50				distant.
		(e)		21	14				
		e		30	32				
		Mn		44.3		23	0.4		
F		17	30						
42	15	e	6	17	30				
		Mn		34.7		15	0.4		
		Me		25.8			0.1		
		F		6	50				
43	15	(e)	19	10	03				
		e		15	39				
		(L)		18	19				
		Me		21.9			0.1		
		Mn		22.8		15	0.4		
		F		19	40				
44	19	iP	5	13	45			27° 8 (3090)	E-W against stops.
		iPP		14	34				
		iS		18	30				
		iSS		19	27				
		i		21	26				
		L		22	20				
		Mn ₁		26.8		17	35.3		
		Mn ₂		34.7		15	57.0		
		W2?	8	37.0		17 ca	0.3		
		F	9	10					
45	19	eP?	9	17	11				Small.
		e		18	18				
		e		20	47				
		iS		22	51				
		e		24	12				
		L		31.7					
		Mn ₁		39.1		20	1.1		
		Mn ₂		43.9		20	1.5		
		Me		50.0			0.8		
		F	10	40					
46	24	e	12	52	44				
		e		55	43				
		i		56	04				
		Me		59.1			0.6		
		Mn	13	01.6		11	1.1		
		F	13	54					

ADELAIDE OBSERVATORY
Seismological Bulletin APRIL-MAY 1936

No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	Δ mm	Δ	Remarks.
47	Apr. 26	e(P) e iS i i L Me Mn F	8 49 38 50 37 54 40 55 18 57 49 59 10 9 03.0 9 03.5 9 50	22		28° 7? (3190)	very uncertain
48	27	eP (e) e(S) L Mn Me F	0 10 19 15 25 20 15 32.9 43.7 44.2 1 15			78° 7? (8740)	
49	28	eP i (e)PPP iS i(SS) i i L Mn ₁ Me ₁ Mn ₂ Mn ₃ Me ₂ F	5 45 25 45 46 46 36 50 25 51 20 52 06 53 00 54 06 56.6 57.1 57.4 58.1 59.2 7 00	15 12 12		29° 7 (3300)	
50	28	iP ₁ iP ₂ iS ₁ i iS ₂ i i i i Mn Me F	13 41 36 42 19 46 14 47 04 47 15 47 35 47 56 48 33 49 14 51 13 51.7 55.5 14 25	7 ca		26° 9 (2990)	Complicated record, apparently double shock. Reported felt at Darwin.
51	29	e iP iS L Me Mn F	8 11 40 19 38 24 19 26.5 30.9 32.4 9 20	14		27° 3? (3030)	isolated group of short vibrations.
52	May 1	e e e Mn F	0 11 05 14 12 16 25 18.9 0 50	15			
53	4	(e) e i Mn F	11 18 00 19 32 20 03 20.3 11 25				very small, rapid vi- brations. Reported felt at Eucla.
54	5	e(P) iS i iL? i iScS? Mn Me F	19 49 57 55 05 56 45 57 15 20 00 05 01 00 05.9 07.4 20 50	12		30° 7? (3410)	very small. All phases masked by air tremors.

ADELAIDE OBSERVATORY.

Seismological Bulletin MAY 1936

No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm.	Δ	Remarks.
55	7	(e) e Mn F	22 46 41 51 24 55.6 23 27	6 ca	0.3	/	very small.
56	8	iP i i e i i i iS i i F	9 23 03 23 05 23 10 23 47 25 00 26 20 26 33 30 01 30 16 31 01 10 20	9 7 7 6	2.2 0.6 1.6 1.0 1.2 1.2 1.1	46°?	Deep focus rapid vibrations prominent. may be earlier, in time mark. No definite maximum.
57	9	e e Mn F	7 00 30 04 42 3.2 7 30	12	0.6		very small.
58	11	eP iPPP iS iSS iL Mn ₁ Me Mn ₂ F	17 33 57 35 04 39 08 40 40 41 55 46.7 47.5 48.4 19 10	15 16	4.1 5.2 4.1	31°. (3460)	
59	11	e Mn F	20 39 42 44.4 21 20	19	0.2		very small.
60	16	iP? (e) iS i (e) L Mn Me F	7 17 08 22 22 26 17 27 06 30 50 38 30 50.0 54.2 8 40	18	0.9 0.5	69°. (7740)	Difficult record- traces run together.
61	17	i	13 10 23		0.9		remainder imperceptible- Very small-rapid vibrations. Local shock in Adelaide hills and eastern suburbs.
62	19	iP iS i i i F	7 33 55 37 19 38 00 39 20 40 00		0.8 1.0		Deep focus. Difficult record, traces run together.
63	19	F iP i i i iS? i i i i iL? Me Mn e e i Me Mn F	lost in merging traces. 20 53 03 56 52 57 11 57 21 21 01 15 01 52 03 05 03 46 04 32 06 58 08.7 08.9 21 40 47 35 48 33 56.0 22 01.7 22 22	11 15 18	1.1 1.5 1.7 2.0 3.5 1.2 3.8 0.6 0.7	31°. (3470)	rapid vibrations. Short period waves throughout, except S? In coda of previous.

ADELAIDE OBSERVATORY.
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No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm	Δ	Remarks.
64	20	i e i L? Me Mn	2 50 26 54 31 56 16 59 43 3 04.1 04.6	11	0.5 0.9		masked by micros; other phases may be lost in changing record.
65	20	iP iPP i iS m i iL Mn ₁ Me ₁ Mn ₂ Me ₂ F	3 11 42 12 32 13 01 16 43 17.2 18 50 19 27 22.8 23.0 23.8 25.1 6 30	23 14 15	6.1 30.3 15.5 36.0 11.3	29° 8 (3310)	
66	21	i i (e) Mn Me F	2 54 06 59 26 3 01 32 09.0 10.6 3 45	16	0.8 1.2		Phases lost in changing record.
67	22	eP eP _E i e iS _E e iS? i Mn Me F	23 27 20 27.4 28 15 31 05 32.4 32.24 33 20 35 32 37.5 41.0 24 15	10 20	1.3 1.1 2.0	30°?	No corresponding S. phase on N-S. Small.
68	23	(e) e e Mn Me F	19 21 34 24 53 27 10 31.6 33.5 20 00				
24	Two small disturbances- maxima at (1) 12 ^h 52 ^m .0 (2) 24 ^h 27 ^m .5						
69	25	iP (e) i i i es? i i (L) Me Mn F	3 14 24 15 06 16 00 16 46 17 05 19 23 20 33 21 06 21 46 21.8 24.2 4 40	25 ca. 12 15	0.6 1.8 3.0 5.1	29° 5?	
70	25	(e) (i) Mn	4 51 35 53 58 57.1	7 ca.	0.2		very small.
71	25	(e) e e e eL Me Mn F	13 35.0 39 55 41 24 43 21 48 53 48.1 50.9 14 25	12	0.6 1.1		

ADELAIDE OBSERVATORY

Seismological Bulletin MAY-JUNE 1936

No.	Date	Phase	Time		Recorded Period of Waves N-S	A mm	△	Remarks.
			Hh	M. S.				
72	26	(e) e L Me Mn F	12 59 43 13 02 19 05.1 10.0 10.9 13 25		8 ca	0.2 0.6		
73	27	1P 1PP 1SKS 1S 1 1SS 1 1 L Mn1 Mn2 Me F	6 31 35 34 48 41 40 41 58 46 48 46 58 49 37 6 53 07 58.4 7 06.5 09.5 18.4 8 35		10 10 18 20	1.5 2.5 1.3 1.4 1.6	84° 07	
74	28	1 e (L) Mn 1 Me 1 1 1 Mn 1 F	19 13 47 25 02 41.2 50.9 55 30 55.9 56 26 20 01 31 10 12 14.4 19 59 20 50		20 16	1.0 0.7		
75	June 5	1P 1 e 1S? 1 Mn Me F	14 44 36 46 00 50 02 52 53 54 25 59.3 59.8 15 25		10	0.5 0.2	61° 07 (6780)	
76	6	1 e (e) Mn F	6 49 53 53 06 59.5 7 02.5 7 40		10	0.3		very small.
77	9	1 e 1S 1 (L) Mn Me F	16 45 47 46 25 52 42 54 30 59.8 17 06.6 10.6 17 55		20	0.4 0.5		
78	10	1P 1PP 1 1 1S 1SS 1 1L 1 1 1Scs Me1 Mn1 Me2 Mn2 Mn3 F	8 29 23 30 23 30 34 31 25 34 10 35 03 35 48 36 05 36 40 36 50 40 38 40.1 40.9 41.1 43.6 46.1 130 50			1.0 5.7 9.5 3.7 9.1 5.0 10.6 4.5 12.8 10.0	28° 1 (3120)	115° N. 153 E. Prominent.

ADELAIDE OBSERVATORY.
Seismological Bulletin June 1936-JULY 1936

No.	Date	Phase	Time (Green h.) H. M. S.	Recorded Period of Waves N-S	A mm	△	Remarks.
79	June 11	e e e L? Me Mn F	13 00 50 02 54 05 18 09.5 12.7 15.6 13 50	10	0.3 0.7		very small.
80	12	i i e i Mn F	18 59 05 19 02 40 05 10 05 52 08.6 19 40	11	0.3		very small.
81	13	i e m i Me F	9 00 55 07 35 09.1 11 31 41.6 9 45	5 14 ca	1.0 0.7 0.4		Deep focus? rapid vibrations superposed. Two long) period waves, no defin-) (ite maximum N-S.)
82	16	e e Mn Me F	0 48 35 52 11 58.0 1 02.3 2 05	13	0.8 0.6		
83	30	iP i i iPP? iPPPP? iSKS iS iPS i iSS i i i i iL? Mn Me F	15 19 31 19 45 21 27 23 00 26 15 30 11 30 32 31 25 35 48 36 09 37 14 39 35 40 16 45 06 46 22 53.0 16 07.9 18 40	25	1.5 2.0 2.6 2.0 2.0 2.0 2.5 3.6 3.5	90°.5 (10060)	
84	July 3	iP? (i) (e) iS i (e) L? i me Mn1 Mn2 F	3 05 26 06 09 09 09 10 26 11 38 12 07 14.0 15.14 17.5 18.0 19.5 4 15	15 12	3.0 1.0 1.8 1.5	30°.1? (3340)	near 159° E.:9.5 S ? prominent.
85	5	iP i i i iPcP i iS i i iSSS iSCS? L? Mn Me F	19 03 02 03 13 03 32 03 49 05 12 05 30 08 10 09 32 09 58 12 48 12 57 13 40 22.0 24.0 20 35	20	3.0 3.5 3.1	40°.6 (4510)	

ADELAIDE OBSERVATORY
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No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm	Δ	Remarks.
86	12	(e) e Mn Me F	2 59 29 3 03 26 06.3 10.8 3 40	12	0.9 0.6		Small, in micros.
87	13	e iP i ip'? iPP? i i i i iPS? i i iSS? i i Mn ₁ Mn ₂ Me ₁ Mn ₃ Me ₂ F	11 31 42 31 59 32 33 33 19 37 33 40.0 41 22 41 45 42 08 48 01 48 53 51 00 55 18 12 00 20 05 02 06.1 08.4 09.4 10.8 19.0 13 25	9 8 14 11 21 15 14 ca 30 E 26 13 26 36 ca 37 22 20 18	0.7 1.4 1.3 1.2 1.0 1.8 4.0 2.9 5.0 32.6 2.0 2.8 2.5 42.5 8.0 14.8 3.1 10.8 5.2		Destructive in Chile. Phases difficult to identify. Most prominent phase.
88	14	(e) eL Mn Me F	9 53 36 10 07.4 10.6 14.3 10 35	11	0.6 0.3		Small and uncertain.
89	14	(e) e(L) Me Mn F	22 33 19 40.9 42.0 43.6 23 00	10	0.2 0.6		Small & uncertain.
90	15	i i i Me Mn F	11 21 05 24 50 26 15 27.0 27.6 12 10	10	1.4		very small.
91	22	e L Mn Me F	6 34 51 41.2 43.5 47.3 7 00	11	0.3 0.5		very small.
92	23	(e)E (e) L Mn Me F	6 34.4 38 10 41.9 45.0 46.0 7 10	15	1.1 0.6		very small, in strong micros.
93	28	(eP) (i) S. i i (e) iScs? i Me ₁ Mn ₁ Me ₂ Mn ₂ F	5 24 48 26 20 29.87 32 00 32 28 33.4 35 25 36 08 36.3 38.5 39.1 41.3 7 25	14 9	2.0 5.1 3.9 6.0		Obscured by micros. S. in time break.

ADELAIDE OBSERVATORY.
 Seismological Bulletin JULY-AUGUST 1938

No	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	A mm	△	Remarks.	
								July
94	28	e(P)	7 59 00			37°. ⁵⁷ (3410)	Obscured by micros. almost facsimile of No.92	
		i	59 53					
		iS	8 04 04					
		i	04 10					
		eSS	06 07					
		(e)	07 .1					
		iScS?	09 38					
		i	10 23					
		Me1	10.7		1.5			
		Mn1	12.7	10	4.5			
Me2	13.7		2.3					
Mn2	15.4	10	5.5					
F	9 33							
95	30	(e)	14 18 54					
		(e)	21 58					
		L	26.2					
		Me	32.3		0.4			
		Mn	36.7	15	0.2			
F	15 20							
96	Aug. 12	e	11 29 58				very small.	
		Mn	42.3	12.0	0.3			
		F	11 55					
97	13	eP	20 11 01			43°. ⁰ (4780)	No time marks E-W.	
		e	12 55?					
		iS	17 25	12	0.9			
		i	18 42					
		i	20 42					
		eL	22 22					
		Mn1	28.7	20.1	1.0			
		Mn2	32.0	18.0	1.0			
		Mn3	38.7	18.0	1.2			
F	21 27							
98	14	e	4 11 03				Small	
		Mn	15.5	12	0.3			
		F	4 25					
99	16	e(S)?	13 19 03				In strong micros.	
		e(L)?	22 28					
		Mn1	26.3	13.0	1.1			
		Mn2	28.6	16.0	1.1			
		F	14 05					
100	17	eP	6 27 58			27°. ⁵⁷	very small, in micros.	
		e	29 02					
		eS?	32 30					
		(e)	35 11					
		Mn	37.7	10.0	0.2			
		F	6 55					
101	17	eP	14 06 52			26°. ⁰	Record confused by double trace.	
		iS	11 20	16.2				
		eL	14 44					
		Mn1	19.7	14.0	2.7			
		Mn2	20.8	14.0	2.2			
		Mn3	21.6	18.0	2.1			
		Mn4	29.1	10.0	2.2			
		F	15 50					
102	17	e	17 05 30				very small.	
		e	09.0					
		Mn	12.5	12	0.2			
		F	17 40					
103	22	e(P)	7 01 22			58°. ⁶	moderate micros.	
		i	01 45					
		i	03 43					
		i	05 06					
		iS	09 36					
		i	11 19					
		i	13 52					
		see next page						

No	Date	Phase	Time (Green h. M. S.)	Recorded Period of Waves N-S	A mm	Δ	Remarks.
103 cont	Aug. 23	e eL Mn ₁ Mn ₂ Mn ₃ F	7 14 33 16 23 26.3 30.0 31.9 8 10	20.0 20.0 20.1	2.3 1.7		in hour break
104	23	iP i i i iS i i eL Mn ₁ Mn ₂ Mn ₃ F	21 22 00 22 30 25 41 26 02 29.9 ca 30 56 31 35 36 13 41.7 43.6 45.8 23 50	4.0 14.0 16.0 13.0	4.2 5.3 4.5	57° 0 ca?	S. in hour break.
105	24	i e e Mn F	22 25 57 27 44 28 56 31.9 23 35	3.0 ca			Very faint trace- light spot out of adjustment.
106	25	(e) e Mn F	19 02 26 04 38 07.3 19 25	12.7	0.5		Micros strong.
107	28	e(P) e xix xix xix xix xix xix xix xix xix xix iS (e) Me Mn F	6 43 04 22 30 23 45 24 00 25 15 26 30 27 45 29 00 30 15 31 30 32 45 6 50 16 52 06 56.5 57.4 7 35	12.0	1.1		in strong micros.
Small movement August 30th. 17 ^h 04 ^m -17 ^h 24 ^m . Max. at 17 ^h 11 ^m .5							
108	Sep. 3	e(P) e iS e(L) Mn ₁ Me ₁ Mn ₂ Me ₂ F	12 29 42 33 18 34 54 38 20 40.8 42.9 44.3 44.8 13 25	18.0 20.0	1.0 0.9		
109	4	iP e iS i(PS) e(SS) e(L) Me Mn F	8 29 05 36 42 38 59 40 30 43 41 45 41 50.0 51.4 9 25	16.0	0.5 0.4	77° 5	Difficult record, phases masked by overlapping of trace.
110	5	e e e(L) Mn Me F	17 38 25 42 38 45 13 48.9 52.0 18 15	13.5	0.4 0.3		Small.

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No.	Date	Phase	Time (Green ⁿ) H. M. S.	Recorded Period of Waves N-S	Δ mm	Δ	Remarks.
111	5	e(P) iS? e(L) Me Mn F	21 55 09 22 00 22 03 08 05.2 07.1 22 30	13.0	0.8		Very small.
112	6	(e) (e) e e i Mn1 Mn2 Me F	17 48 54 52 41 53 55 55 30 57 34 03.7 04.8 25.8 19 21	10 10.5	1.3 0.8 0.4		Phases masked by strong micros. All phases very small.
112	16	e Mn Me F	10 40 14 45.6 50.6 10 20	13.0	0.2 0.3		Small in strong micros
113	16	e Mn Me F	9 40 14 45.6 50.6 10 20	13.0	0.2 0.3		Small in strong micros
114	17	e Mn F	17 30 27 33.5 18 00	13.0	0.2		very small.
115	18	(e) e e Mn Me F	17 42 38 47 13 55 35 18 01.4 02.0 18 20	13 ca	0.2 0.2		very small.
116	18	e Mn Me F	19 15 03 17.9 18.0 19 35	13	0.2 0.2		Small
117	19	eP i iPP i i iScS i(SS) iL i Mn1 Mn2 Me1 Mn3 Me2 Me3 Me4 F	1 11 12 11 18 13 00 16 10 18 46 21 04 22 38 25 49 28 06 29.9 31.8 32.0 35.4 35.5 37.9 43.0 3 40	235 ca.	13.3 21.6 23.5 8.7 23.5 16.0 9.7 7.5	53° 9 (5990)	
118	19	e i (e) Mn1 Mn2 Me F	6 47 39 48 45 55 58 59.5 7 00.8 01.4 8 35	26.0 16.0	0.6 1.0		very small.
xx	19	Very small movements 17h 0m - 17h 22m. Max at 17h 15.8					
	25	" " " 13 38 - 14 35 " " 13 58.4					
119	29	(e) e i Mn Me F	16 44 30 47 10 50 37 54.5 57.0 17 25	14.0	0.5		
29 Small movement 13h 30m - 13h 50m. Maxima at 13h 40m and 13h 50.9							

ADELAIDE OBSERVATORY
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No.	Date	Phase	Time (Green N)			Recorded Period of Waves N-S	A	Δ	Remarks.
			H.	M.	S.				
120	2	1 1 e(L) Me Mn F	12	57	16 07 21 06.4 07.8 13 30	16.0	0.1 0.4		
121	3	eP 1PP? 1S? 1 1 1 e(L) Mn ₁ Me ₁ Mn ₂ Me ₂ F	21	57	33 11 35 02 20 42 59 15.7 16.0 18.7 22.8 23 05	11 ca 12 ca 19 20	1.5 1.9 2.7 3.1 3.5 2.3	39°7? (4410)	Prominent. Small for S. prominent.
122	5	e(P) e (i) i i Mn ₁ Me ₁ Mn ₂ Me ₂ Mn ₃ Me ₃ F	00	02	33 36 56 17 29 13.9 16.0 17.3 18.1 21.2 22.8 11 55	12.0 16.0 20.0	1.5 2.1 1.4 2.1 1.4 2.2		Uncertain, obscured by micros.
123	5	iP i i i iS (i) i i (L) Me ₁ Me ₂ Mn F	9	51	40 05 10 18 23 29 06 41 02.7 05.1 09.7 11.9 11 40	12.0 16.0	5.4 3.8	36°7?	Deeper than normal. Prominent.
124	14	(e) _E (e) _E i i e _E e Mn Me F	22	20	07 06 23 19 31.6 32 06 35.5 37.0 22 55	12.0	0.5 0.2		very small.
125	16	e(P) e e iS i e i Mn Me F	12	02	37 17 57 10 26 37 13 15.5 15.7 13 08	19	1.4 1.2	35°9?	very small, in micros.
126	19	iP i i iPP (i) iS	12	11	08 17 59 24 39 38	4 7 16	1.0 1.1 1.6	34°8	

see next sheet.

ADELAIDE OBSERVATORY.
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No.	Date	Phase	Time (Greenh)			Recorded Period of Waves N-S	A mm	Δ	Remarks.
			H.	M.	S.				
126 Cont	d 19	i	12	17	30				
		iSS		18	32				
		i		19	11				
		i		20	04				
		(L)		21	18				
		Mn ₁		25.4		19.0	2.3		
		Me ₁		26.1			3.3		
		Mn ₂		28.7		15.0	3.0		
Mn ₃		29.8			2.7				
F		14	20	5					
127	22	e	10	08	40				very small.
		i		11	22				
		Mn		14.7		10	0.7		
F		10	55						
128	23	e	6	38	06				Distant source.
		e		43	22				
		e		52	53				
		(e)		59	07				
		(L)	7	13.3					
		Mn		27.7		22	0.6		
		Me		46.6			0.5		
F		8	23						
129	23	e(L)	8	28	18				Distant.
		Mn		41.5		19.0	0.1		
		F	9	17					
130	23	iP	19	34	00				17°.1?
		i		36	33				
		iS?		37	09				
		i		37	21				
		Me		37.9			1.6		
		Mn ₁		37.9		8.7	2.9		
		Mn ₂		38.9		7.5	3.3		
		F	20	34					
131	24	e(L)	18	15	58?				heavily masked by air tremors.
		Mn		19.3		14.0	0.7		
		F	18	55	ca				
132	26	(e)	19	44	53				
		(e)		47	22				
		Mn ₁	20	00.0		18.0	1.1		
		Me ₁		04.3		19.0	1.0		
		Mn ₂		05.4		5.3	1.2		
		Me ₂		08.9			1.0		
F	20	45							
133	29	iP	18	47	35				49° .4 Deep focus?
		i		48	49				
		i		49	34				
		iS		54	41	12 ca			
		e		56	45				
		i		58	23	10 ca	4.6		
		L	19	01.3					
		i		03.32					
		Me		05.6			6.1		
		Mn		10.6		14	3.6		
F	20	50							
134	Nov. 2	e(P)	15	10	20				81° .1? very small.
		e		12	06				
		(e)		17	04				
		iS		20	34	11	0.5		
		ePS		21	13				
		i		26	18	16	1.0		
		(e)		30	58				
		(L)		38.2					
		Mn		46.2		20	1.6		
		Me	16	03.4			0.9		
F	17	40							

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No.	Date	Phase	Time (Green ^h) H. M. S.	Recorded Period of Waves N-S	A mm	Δ	Remarks.	
135	2	iP	20 57 24			73° 0	Deep focus.	
		e	58 59					
		i	21 02 26					
		iS	06 46	16	5.1			Prominent.
		i(PS)	07 32					
		i	08 30					
		iSS?	11 43	17 ca	2.6			
		i	14 56					
		i	15 09	17	3.2			
		Me	21.2		2.5			
Mn ₁	25.1	26	4.1					
Mn ₂	28.4	18	4.2					
F	23 50							
136	4	e(P)	13 50 29			35° 37	very small and in- definite.	
		e	56 03					
		eL?	59.5					
		i	14 00 49					
		Me	02.2		0.5			
		Mn	05.7	14	0.5			
F	14 30							
137	8	e	12 32 44					
		e	36 30					
		L	38 19					
		Mn	42.3	15	0.2			
		Me	46.0		0.3			
F	13 07							
138	11	i	10 31 03				very small.	
		(i)	32 38					
		(L)	34.6					
		Mn	36.2	14	0.3			
		Me	38.1		0.1			
F	10 52							
139	12	iP	2 24 43			51° 17		
		(i)	25 25					
		iS	32 02.5					
		(L)	39.8					
		Mn	48.9	19	0.6			
Me	51.3		0.4					
F	3 30							
140	12	i	8 40 23					
		e	44 01					
		i	44 13					
		e	46 52					
		e	48 07					
		Mn	58.7	14	0.6			
Me	9 01.0		0.5					
F	9 25							
141	13	eP?	12 44 45			69° 17	very small, in air tremors.	
		iPP?	48 28					
		(i)	51 55					
		(i)	55 00					
		iSKS	55 20	11	2.0			
		iS	55 39	10	1.3			
		i	56 02	9	3.4			
		i	57 19					
		i	58 21					
		i	13 02 22					
		i	09 08					
		i	09 48					
		L	15.7					
		Mn ₁	21.3	23.0	2.2			
Me	23.1							
Mn ₂	26.2	18.0	2.0					
F	16 02							

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No.	Date	Phase	Time			Recorded Period of Waves N-S	A mm	Δ	Remarks.
			H.	M.	S.				
142	Nov. 19	(e)	21	42	30	20	0.3	very small.	
		(e)		43	30				
		e		54	14				
		e(L)	22	06	40				
		Mn		19.	45				
		Me		23.	0				
		F	22	35		0.6			
143	22	(e)	14	50	49	12	0.3	very small, in micros.	
		i		56	20				
		i(L)		59.	4				
		Mn	15	04.	6				
		Me		07.	6				
		F	15	45					
143.5	22.4	e	17	45	30 (17.15.30)	12	0.5	very small.	
		(i)		17	09				
		(L)		23	42				
		Me		27.	2				
		Mn		32.	7				
		F	17	45					
144	22	e	19	40	29	18	0.5	very small.	
		Mn		22.	3				
		Me		31.	6				
		F	20	05					
145	29	(eP)	8	32	30	14	5.6	very small.	
		e		36	24				
		e(S)		37	13				
		i		39	11				
		L		41.	6				
		Mn ₁		44.	7				
		Me		45.	2				
		Mn ₂		47.	1				
		F	10	13					
147	30	(e)	17	24	28	14	0.2	very small.	
		e		30	46				
		Mn		33.	5				
		Me		36.	6				
		F	18	21					
148	30 Dec. 1	1P	23	52	37	15	1.6	33° 7	
		1PPP		53	51				
		1PPPP		53	59				
		i		54	34				
		IS		58	01				
		i		58	15				
		ISS		59	39				
		iScs	00	03	09				
		Mn ₁		06.	6				
		Me		07.	5				
Mn ₂		15.	3						
F	01	30							
149	Dec. 2	i	18	23	28	8	1.5	All phases lost in large air tremors.	
		Mn		25.	8				
		F. lost in micros and air tremors.							
150	3	e	3	27	09	14	0.7	No phases discernible, air tremors very strong.	
		Mn		28.	4				
		F. lost in air tremors.							
151	4E	(eP)	22	32	04	14	1.7	very small and uncertain.	
		e		33	30				
		e		35	03				
		eS		37	31				
		i		40	40				
		Mn ₁		44.	1				
		Me		46.	5				
		Mn ₂		46.	5				
		F. lost in succeeding earthquake.							

No.	Date	Phase	Time (Greenh) H. M. S.	Recorded Period of Waves N-S	A mm	Δ	Remarks.
152	4	(e) Mn ₁ Mn ₂ Me F	23 12 32 16.4 19.0 19.0 25 00	15 13	0.7 0.9		Phases lost in coda of preceding earthquake.
153	5	(eP) e is L Mn Me F	19 06 06 08 34 10 00 12 40 17.2 19.0 20 30	13	0.7 0.8		very small
154	5	(e) L Mn Me F	22 39 46 46.9 49.7 51.0 23 10	12	0.2 0.2		very small
155	5	(e) i (L)MN Mn Me F	23 27 32.4 31 12 33 12 36.3 52.6 24 10	12	0.2		very small.
156	8	e e Mn Me F	10 39 40 44 05 52.9 56.0 11 25	13	0.2 0.2		
157	8	e (e) Me Mn F	14 07 41 12 47 15.0 17.0 14 40	16	0.2 0.2		very small.
158	13	(eP) e (is) e Mn F	21 40 45 45 00 46 30 50 15 22 02.3.5 22 45	12	0.7		all times \pm 5 secs. Clock stopped, phases masked by air tremors.
159	17	(i) (i) eL Mn Me F	3 55 25 57 51 4 00 14 04.4 07.0 4 46	13	0.3 0.3		Small.
160	17	(e) (e) Mn Me F	13 39 27 43 42 50.5 52.3 14 32	14	0.2 0.3		very small.
161	19	(e) i iM Mn F	10 43 30 45 17 50 24 57.1 11 15	11 ca	0.2		very small-short vibrations through- out. single long period wave.
162	20	(i) eS? eL Mn Me F	18 43 41 46 40 51 27 56.3 57.6 19 35?	19	0.6 0.7		In strong air tremors.
163	21	(e) is? L Mn F	17 27 19 30 08 33 15 34.6 17 55	9	0.5		in air tremors. very small.

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No.	Date	Phase	Time (Greenh) H. M. S.	Recorded Period of Waves N-S	A mm	Δ	Remarks.	
								Dec.
164	22	eP	8 37 12	16.0	3.0	28° 7'	Small.	
		e	38 10					
		e	40 43					
		eS	42 02					
		e	44 33					
		eL	47 40					
		Mn	50.8					
Me	51.0	1.0						
F	9 35							
165	23	(eP)	6 38 12	10	0.7		In strong air tremors.	
		e	39 14					
		e	40 48					
		iS?	43 42					
		(e)	44 35					
		Me	45.5					
		Mn	48.5					
F	7 55 ca							
166	26	iP	22 59 46	13	2.2	45°?		
		i	23 01 24					
		i	04 58					
		iS?	06 23					
		i	08 02					
		iSS	09 16					
	i	11 09						
	Mn ₁	13.5	2.5					
	Me ₁	13.8	2.2					
	Me ₂	16.8	1.6					
	Mn ₂	21.7						
	F	00 30 ca						
	167	27	(eP)	0 34 55	20	0.3		Small.
e			42 40					
Mn ₁			52.5					
Mn ₂	55.3	19	0.4					
F	1 35							
168	27	iP	8 49 42	12	0.3			
		e	54 43					
		i	59 24					
		Mn	9 01.6					0.4
		Me	01.7					
F	9 35							
169	29	iP	14 54 28	18	22.1	31° 9'	Deep focus. ?	
		i	55 01					
		i	56 05					
		(iPcP)	57 06					
		iS	59 39					
		i	15 00 36					
		i	01 42					
		i	03 10					
		i	04 20					
		Mn ₁	06.2					14
		Me	06.3					11.6
		Mn ₂	08.7					11.1
		Mn ₃	11.3					
F	18 30							