


SYDNEY OBSERVATORY

Milne Seismograph - E - W Component.

Constants B.P. = 18^S D.V. 1 mm. = 0".38.

Date 1932	Phase.	Time Greenwich			A _E	△	Remarks.
		H.	M.	S.	mms.	kms.	
Jan. 5	eP	2	16	00			
	L		31	30			
	M		37	00	1.0		
" 5	eP	4	52	24			
	L		55	36			
	M		57	00	0.2		
" 6	iP	16	57	30			
	L	17	05	36			
	M		06	42	0.2		
" 9	eP	10	24	54			
	iS		31	00			
	SR ₁		33	24			
	L		38	00			
	M		41	12	5.0	4,300	
	L		42	12			
	M		42	42	3.7		
	L		44	00			
	M		44	48	1.7		
" 13	P			?			P? Air Tremors Precede.
	eS	8	07	42			
	L		11	48			
	M		12	30	0.4		
" 17	eP	7	50	00			
	iS		54	48			
	L		58	18			
	M	18	00	00	1.5	3,000	
" 24	iP	3	49	30			
	PS		51	54			
	iS		53	42			
	L		56	00			
	M		57	30	6.0		
	L		59	18			
	M		59	48	2.0		
	L	4	02	06			
	M		02	30	1.1		
	L		04	36			
	M		05	12	1.0	2,600	
	L		06	30			
	M		06	54	0.7		
	L		08	42			
	M		09	00	0.6		
	L		09	48			
	M		10	18	0.9		
	L		10	48			
	M		11	06	0.6		
	L		12	12			
	M		12	54	0.8		

Date 1932	Phase	Time Greenwich			A _E		Remarks.
		H.	M.	S.	mms.	kms.	
Jan 25.	eP	1	56	24			
	iS	2	02	00		3,800	
	L		04	30			
	M		05	36	1.4		
" 26	eP	5	02	06			
	L		05	00			
	M		06	12	0.5		
" 26	eP	14	27	36			
	L		30	36			
	M		31	30			A series of sinusoidal waves on 27th from 5:22:00 to 5:31:30.
" 29	iP	13	47	30			
	iS		52	12			
	L		53	24			
	M		54	30	10.0		
	L		55	12			
	M		57	30	9.4	2,900	
	L	14	03	00			
	M		05	12	4.0		
	L		16	36			
	M		19	00	4.0		
" 29	P		?				P? Merged into after tremors of previous quake.
	iS	15	50	12			
	L		53	00			
	M		54	36	4.0		
	L		56	00			
	M		56	36	2.4		
" 30	P		?				P? Air tremors present.
	S	3	14	36			
	L		16	12			
	M		17	00	1.5		
	L		18	42			
	M		19	48	2.0		
" 30	P		?				do.
	S	7	22	36			
	L		24	24			
	M		25	00	0.7		
	L		27	00			
	M		27	30	0.7		
" 31	S	4	45	00			Times only approximate, trace very faint, light failing.
	L		49	12			
	M		50	30	0.4		
" 31	S	16	10	48			
	L		14	20			
	M		16	00	0.5		

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Date 1932.	Phase.	Time Greenwich. H. M. S.	A _E mms.	△ kms.	Remarks.
Feb. 3	e	7 26 00			
	L	29 18			
	M	31 24	0.6		
3	e	12 04 48			
	L	06 00			
	M	06 30	0.4		
14	eP	12 01 18			
	L	05 00			
	M	06 12	0.4		
14	eP	23 48 12			
	L	55 42			
	M	57 24	0.5		
16	eP	13 55 00			
	iPR ₁	56 18			
	iS	14 00 48			
	SR ₂	03 30			
	L	05 24		4,000	
	M	07 18	5.5		
	M	08 30			
M	09 12	2.2			
21	eP	11 39 24			
	eL	44 24			
	M	48 00	0.2		
23	iP	0 36 48			
	iS	42 30			
	L	48 12			
	M	?			
	L	54 42		3,900	M lost changing sheet
	M	57 18	2.0		
	M	1 03 00	1.0		
23	eP	20 16 54			
	iS	21 36			
	L	25 36		2,950	
	M	26 36	1.2		
25	eP	16 05 36			
	eL	08 54			
	M	10 30	0.2		

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Milne Seismograph E - W Component.

Constants B.P. = 18^S D.V. 1 mm. = 0".38.

Date 1932.	Phase.	Time Greenwich			A _E		Remarks.	
		H.	M.	S.	mms.	kms.		
March 2.	eP eL M	5	31 34 35	30 24 00				
" 2.	eL M M	13	27 29 35	30 48 36				
" 5.	eP eS L M	1	45 50 52 54	30 00 36 12				
" 8.	eP iS L M	18	07 12 16 18	06 30 24 42		2,800	(See page "2" for Mar. 3 - omitted from this page.)	
" 10.	iP iS L M L M	5	34 40 43 48 50 50	48 30 30 36 00 42				
" 15.	eP iS L M	4	51 54 56 57	48 24 18 24			P's. doubtful - Air Tremors precede.	
" 16.	eP iS L M	20	44 48 51 52	18 06 30 24				
" 18.		5.57.00 to 6.04.12 Sinusoidal waves.						
" 19.	eP iS L M	11	14 22 28 31	48 00 12 00				
" 26.	e M M M	0 1 1	23 56 01 06	48 30 12 30				
" 26.	eP iS SR ₁ L M L M	9 10	58 05 07 11 12 14 15	48 18 36 48 30 48 42			P. doubtful, Air Tremors precede.	

Date 1932.	Phase.	Time Greenwich.			A _E mms.	△ kms.	Remarks.
		H.	M.	S.			
March 28.	eP.	0	58	42			
	L	1	07	24			
	M		07	48	0.6		
	L		09	48			
	M		11	18	0.6		
" 29.	eP	9	21	24			
	L		25	30			
	M		26	00	0.2		
" 30.	eP	11	49	30			
	eL		54	30			
	M		56	00	0.2		
" 30.	eP.	15	11	36			
	L		16	12			
	M		16	30			
" 30.	18.56.06 to 19.03.36			Sinusoidal Waves.			
" 8.	eP	3	22	06	0.5	}	(omitted from page "1")
	L		25	24			
	M		26	00			

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Milne Seismograph. E - W Component.

Constants B.P. = 18^S D.V. = 1 mm. = 0".38.

Date. 1932.	Phase.	Time Greenwich.			A _E mms.	△ kms.	Remarks.	
		h.	m.	s.				
April 3.	eP	20.	44	18				
	eS		48	54				
	L		52	42				
	M		54	30	2.5			
	L		55	48				
	M		56	24	1.3	2,900		
	L		58	00				
	M		58	30	0.5			
"	5.	5 ^h 21 ^m 30 ^s . to 5 ^h 37 ^m 30 ^s .			Small waves without any pronounced phases.			
"	8	eP	11	57	24			
		eS	12	03	12			
		L		06	48			
		M		08	42	1.2	3,500	
		L		10	00			
		M		10	30	0.8		
"	{ 12 13	eP	23	57	00			
		eS	0	02	48			
		L	0	08	42			
		M	0	09	36	1.0	4,000	
"	13.	eP	4	03	18			
		L		18	12			
		M		20	30	0.3		
"	14.	eL	6	50	42			
		M		53	30	0.2		
"	14	eP	17	18	36			
		L		22	00			
		M		25	00	0.2		
"	19.	eP	20	03	00			
		L		07	36			
		M		10	06	0.2		
"	20.	eP	4	10	30			
		eL		13	30			
		M		15	12	0.2		
"	22	P	?				P.lost in Micros.	
		eS	5	27	48			
		L		30	48			
		M		31	36	0.3		
"	25.	eP	7	17	12			
		L		24	30			
		M		25	48	0.5		

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Milne Seismograph E - W Component.

 Constants B.P. = 18.^S D.V. 1 mm. = 0."³⁸

Date 1932.	Phase.	Time Greenwich.			A _E mms.	△ kms.	Remarks.
		h.	m.	s.			
May 1	eP	4	19	24			P & S? Preceded by air tremors.
	eS		23	12			
	L		25	12			
	M		27	48	0.5		
" 4 ⁵	iP	8	29	12			Hawkes' Bay, New Zealand.
	iS		33	12			
	L		35	00			
	M		37	42	1.5	2,400	
" 10	e	14	34	36			
	L		41	48			
	M		42	00	0.2		
	L		44	30			
	M		45	36	0.2		
" 13	e	5	30	18			0.1
	eL		46	42			
	M		48	30			
" 14	iP	13	18	48			
"	PR ₁		19	48			
	PR ₂		20	42			
	iS		25	06			
	SR ₁		27	30			
	SR ₂		28	30			
	L		31	36			
	M		35	30	16.3		
	L		38	36			
	M		39	30	10.9		
	L		40	12		4,500	
	M		41	30	14.5		
	L		42	30			
	M		43	36	11.2		
	L		44	30			
	M		45	18	9.0		
" 17	Sinusoidal waves from 13 ^h 17 ^m :36 ^s . to 13 ^h .31 ^m .00 ^s .						
" 17	e	17	48	00			0.1
	L		58	54			
	M	18	00	00			
" 18	eP	19	59	12			2,700
	iS	20	04	00			
	L		06	36			
	M		07	48	0.4		
	L		13	18			
	M		15	42	0.5		

Date 1932.	Phase	Time Greenwich.			A _E mms.	△ kms.	Remarks.
		h.	m.	s.			
May 21.	P		?				P lost in Micros.
	iS	10	36	00			
	L		40	54			
	M		41	30	0.5		
" 21	P		?				P lost in Micros.
	iS	11	07	00			
	L		16	06			
	M		17	24	0.7		
	L		23	18			
	M		24	30	0.5		
" 22	eP	11	35	42			4,100
	iS		41	36			
	L		46	00			
	M		49	06	1.7		
	L		51	36			
	M		52	06	1.5		
	L		56	18			
	M		57	48	1.0		
	L	12	01	30			
	M		02	12	0.5		
" 25	eP	2	40	00			
	eL		51	00			
	M		52	06	0.3		
	L		56	36			
	M		58	18	0.3		
" 26	iP	16	14	18			2,600
	PR ₁		14	36			
	FS		16	48			
	iS		18	30			
	L		21	18			
	M		22	00	10.3		
	L		25	30			
	M		26	30	5.5		
	L		28	18			
M		29	24	5.6			
" 27	•	1	32	42			
	L		38	00			
	M		38	48	0.3		

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Date 1932	Phase	Time Greenwich			A _E mms.	△ kms.	Remarks.
		h.	m.	s.			
June 3	iP	10	56	24			
	PP ₂	11	02	30			
	PS		04	06			
	iS		06	12			
	SR ₁		13	06			
	L		30	18			
	M		33	00	5.5		
	L		35	18			
	M		37	48	13.0		
	L		39	42			
	M		41	00	4.5		
	L		42	00			
	M		42	42	3.5		
	L		43	54			
	M		45	00	4.0		
	L		51	00			
	M		51	30	4.1		
	L		52	12			
	M		52	54	3.9		
	L		53	30		8,600	
	M		54	00	4.5		
	L		55	36			
	M		56	18	2.5		
	L		58	00			
	M		58	30	2.7		
	L		12 01	00			
	M		01	36	2.8		
	L		02	48			
	M		03	48	2.7		
	L		53	00			
M		54	00	2.4			
L		55	18				
M		55	54	3.5			
L		58	00				
M		59	12	3.5			
L		13 01	00				
M		03	12	5.0			
L		06	00				
M		07	30	2.7			
" 5	eP	13	04	18			
	L		18	24			
	M		20	18	0.4		
" 6	eP	9	30	23			
	L		42	18			
	M		44	24	0.2		
" 7	Sinusoidal waves from 11 ^{h.} 47 ^{m.} 06 ^{s.} to 12 ^{h.} 05 ^{m.} 30 ^{s.}						
" 8	e	2	46	12			
	l		50	18			
	m		52	00	0.2		

Date 1932.	Phase.	Time Greenwich.			A E	△ kms.	Remarks	
		h.	m.	s.				
Jun 8.	e	10	15	30				
	L		18	42				
	M		19	06	0.2			
	L		20	00				
	M		20	18	0.2			
" 18	eP	10	39	48				
	iP		31	32				
	PR ₂		38	00				
	iS		41	24				
	SR ₁		47	54				
	L	11	05	48			Probably two tremors The P & S of second being masked by the end tremors of first	
	M		08	18	1.0			
	L		11	42		9,500		
	M		15	54	3.2			
	L		18	12				
	M		19	12	1.6			
	L	12	36	42				
	M		38	42	2.0			
	L		41	18				
M		42	30	2.0				
" 22	eP	13	24	30				
	L		58	06				
	M	14	01	48	1.0			Mexico?
" 23	eP	2	15	18				
	iS		19	54				
	L		24	24				
	M		25	00	0.4	2,800		

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Date 1932.	Phase	Time Greenwich.			A _E mms.	△ kms.	Remarks.
		H.	M.	S.			
Aug 10.	e L M	16.	22 30 32	42 48 00	0.2		
" 12	P L M	4	? 23 25	42 00	0.4		P lost in Micros.
" 13	iP iS L M L M L M L M	21	00 03 05 06 08 09 10 10 12 12	24 54 24 42 18 00 12 42 00 24	2.5 1.0 0.3 0.7	2,100	
" 14							Large microseisms probably caused by strong gale blowing.
" 21	P eS L M L M	4	? 47 53 55 59	24 12 36 42 00	0.7 0.4		P lost in Micros.
" 24	eP L M L M	12	28 39 41 52 53	06 30 06 00 00	0.1 0.1		
" 31	eP L M L M	19 20	46 06. 07 13 15	30 12 30 48 00	0.2 0.2		

[The page contains extremely faint, illegible text and markings, possibly bleed-through from the reverse side of the paper. The text is too light to transcribe accurately.]

SYDNEY OBSERVATORY

Milne Seismograph E - W. Component.

Constants B.P. = 18^S D.V. 1 mm = 0".38

Date 1932.	Phase	Time Greenwich.			A _E mms.	△ kms.	Remarks.
		H.	M.	S.			
Sept. 1	e	2	01	48			
	L		11	24			
	M		12	24	0.4		
" 3	eL	4	53	48			
	M		55	18	0.3		
" 3	eL	7	51	30			
	M		52	24	0.2		
" 8	eL	2	39	48			
	M		43	00	0.2		
" 9	eP	13	44	30			
	eS		51	36			
	L	14	58	48			
	M		00	54	1.7		
	L		02	00			
	M		02	36	1.5		
	L		05	06			
	M		06	12	1.8		
L	11	30					
M	12	42	0.7				
" 15	i	11	28	48			
	L		38	36			
	M		40	30	0.2		
	L		45	12			
	M		46	00	0.4		
" 15	iP	13	59	54			
	iS	14	04	12			
	L		06	18			
	M		07	30	10.5		
	L		08	00		2,600	New Zealand.
	M		08	36	10.6		
	L		09	30			
M		10	12	5.0			
" 26	P			?			
	iS	20	39	00			
	L		42	00			
M	47		36	1.0			

Plat in mms

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Date 1932	Phase	Time Greenwich			A E	△	Remarks.
		H.	M.	S.	mms.	kms.	
October 1.	eP L M	8	13	48 23 25	42 30 42		0.4
" 9.	eP L M	13	19	42 27 29	42 12 30		0.2
" 16.	eP L M L M	12	32	12 58 05 09 11	12 30 00 42 42		0.3 0.2
" 17.	eP iS L M	13	30	42 35 39 40	24 24 36 24	3,200	1.0
" 20	P S eL M		?	?			P. and S. lost in Micros. 0.6
" 23	P eS L M	0	?	34 40 44	48 00 18		0.2 F. lost in Micros.

Sinusoidal waves on 30th from 21^h.11^m.30^s.
to 22^h.1^m.15^s.

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Constants B.P - 18^s D.V. 1 min = 0.38

Date 1932	Phase	Time Greenwich			Ag mins.	△ Kms.	Remarks.
		H	M	S			
Nov. 2	e	11	15	42			
	L		26	42			
	M		27	13	0.5		
	L		31	36			
	M		32	15	0.3		
5	e	18	15	48			
	L		20	00			
	M		21	18	0.2		
13	iP	5	07	54			
	iS		15	06			
	L		20	18			
	M		21	12	0.5	5 400	
	ep	16	00	48			
/3	iS		03	18			
	L		05	24			
	M		06	00	0.5	1 400	
	L		08	48			
	M		09	36	0.4		
18	e	9	37	24			
	L		42	24			
	M		43	42	0.3		
18	e	14	00	48			
	L		09	30			
	M		11	00	0.2		
22	P		?				P lost in Air Tremors.
	eS	15	03	06			
	L		09	54			
	M		10	18	0.4		
23	e	15	11	48			
	L		14	42			
	M		15	18	0.2		
29	e	1	11	00			
	eL		15	18			
	M		16	00	0.1		
29	P		?				P lost in Air Tremors.
	L	2	02	00			
	M		03	00	0.5		
29	eP	11	35	06			
	L	12	05	06			
	M		04	24	0.3		
30	eP	3	13	42			
	eL		49	00			
	M		50	00	0.2		
	L		51	00			
	M		51	42	0.2		

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Milne Seismograph E - W Component

Constants B.P. = 18^S D.V. 1 mm. = 0"38.

Date 1932.	Phase.	Time Greenwich H. M. S.	A _E mms.	△ kms.	Remarks.
Dec. 3	P	?			P lost in micros.
	eS	6 32 30			
	L	38 06			
	M	40 06	0.6		
Sinusoidal waves 3 ^d .18 ^h .9 ^m .30 ^s . to 3 ^d .18 ^h .15 ^m .45 ^s .					
Dec. 4	iP	8 19 24			
	PR ₂	22 00			
	iS	26 18			
	SR ₂	30 00			
	L	36 12			
	M	37 18	3.4		
	L	39 30			
	M	41 12	4.5	5,100	
	L	45 00			
	M	46 18	3.6		
	L	48 24			
	M	49 30	1.2		
	L	51 06			
	M	52 00	1.3		
	L	55 18			
	M	57 30	1.4		
" 4	eP	10 41 30			
	iS	48 30			
	SR ₁	51 48			
	L	11 01 30			5,200
	M	02 30	0.7		
" 7	e	16 38 24			
	S	51 00			
	L	17 15 24			
	M	24 12	1.2		
" 10	P	?			P lost in micros.
	eS	4 02 54			
	L	09 36			
	M	11 12	0.3		
" 10	eP	10 22 18			
	eS	26 12			
	L	29 42			
	M	32 00	0.4	2,350	

Date 1932.	Phase.	Time Greenwich H. M. S.	A _E mms.	△ kms.	Remarks.
Dec. 21	e	6 23 30			
	P	30 18			
	S	42 30			
	L	7 04 18			
	M	11 24	1.5		
	L	15 00			
	M	16 12	1.2	12,000	
	L	19 48			
	M	22 00	0.9		
	L	24 24			
M	25 24	0.9			
" 24	eP	6 41 00			Times of P and S doubtful Large micros present, may mask true P and S
	iS	45 36		?	
	L	47 00		2,800	
	M	49 00	3.5		
" 25	iP	2 17 30			
	iS	28 24			
	SR ₁	33 54			
	SR ₂	38 24			
	SR ₃	44 30			
	SR ₄	50 00			
	L	54 42			
	M	3 03 00	8.2	9,950	
	L	05 30			
	M	06 30	5.7		
	L	08 18			
	M	09 24	4.0		
	L	10 12			
	M	11 00	3.1		
L	12 30				
M	13 30	3.5			
" 26	F	?			P and S lost in micros.
	L	16 46 00			
	M	47 30	0.7		
" 31	P	?			P and S lost in micros.
	L	7 21 12			
	M	23 30	0.4		