SYDNEY OBSERVATORY

Milne Seismograph E - W Component.

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

Date 1933.	Phase.	Time Greenwich. H. M. S.	A_E mms.	△ kms.	Remarks.
Jan.1	eP	8 53 36			
	eS	58 06			
	L	9 00 48			
	M	01 24	2.5	2,800	
	L	02 30			
	M	03 00	1.4		
" 4	i	1 42 36			
	L	53 00			
	M	57 42	0.2		
	L	2 00 12			
	M	01 42	0.3		
" 5	eP	14 01 12			
	iS	04 30			
	L	06 24			
	M	08 36	0.6	1,900	
" 7	e	4 27 30			
	iP	27 54			
	iS	36 36			
	L	51 00			
	M	52 06	0.6	7,600	
" 11	e	20 11 54			Gunning, N.S.W. No wave motion, just trembling of boom.
	F	12 12			
" 15	P	?			P lost in micros.
	S	18 13 00			
	L	17 48			
	M	18 12	0.8		
	L	18 48			
	M	19 18	1.0		
" 17	eP	19 08 24			
	L	24 48			
	M	27 30			
" 21	eP	19 32 48			
	iS	42 30			
	SR_1	50 48			
	L	58 12			
	M_1	20 00 12	5.1		
	M_2	03 00	7.0	8,400	
" 23	e	18 21 00			
	L	23 48			
	M_1	24 42	0.2		
	M_2	27 18	0.2		
" 27	e	12 01 00			
	L	05 12			
	M	06 36	0.2		

Date 1933.	Phase.	Time. Greenwich H. M. S.	A_E mms.	Δ Kms.	Remarks.
Jan.27	eP	22 43 36			
	iS	49 54			
	L	55 48			
	M	57 36	2.0	4,500	
	L	23 00 00			
	M	00 36	1.5		
" 29	eP	10 59 54			
	eS	11 03 54			
	L	06 00		2,400	
	M	07 30	0.5		

Record lost January $28^{d.}$ $14^{h.}$ $16^{m.}$ to $28^{d.}$ $22^{h.}$ $25^{m.}$ Clock Stopped.

SYDNEY OBSERVATORY

Milne Seismograph E - W Component.

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

Date 1933.	Phase.	Time Greenwich	A_E	Δ	Remarks.
		H. M. S.	mms.	Kms.	
Feb. 3	e	0 45 30			
	L	48 54			
	M	50 00	0.2		
" 3	~~S~~ e	22 40 18			
	L	23 01 18			
	M	03 42	0.2		
Sinusoidal waves $6^{d.}7^{h.}17^{m.}18^{s.}$ to $17^{h.}20^{m.}42^{s.}$					
Feb. 9	eP	15 45 30			
	eS	48 24			
	L	51 24			1,700
	M	52 12	0.7		
" 14	e	4 35 00			
	L	42 00			
	M	42 30	0.4		
	L	44 42			
	M	45 30	0.4		
" 14	eP	5 28 30			
	eS	34 18			
	L	40 18			4,000
	M	41 18	0.7		
" 16	eP	9 25 42			
	L	36 36			
	M	37 42			
" 19	e	8 22 42			
	L	44 42			
	M	45 18	0.4		
	L	48 24			
	M	49 18	0.3		
	L	51 30			
	M	52 00	0.3		
" 23	iP	8 34 24			Time of P doubtful, preceded by micros.
	PR_1	38 00			
	iS	44 12			
	L	9 03 12			8,500 = 76.5
	M	08 18	2.5		
" 27	eP	16 15 24			
	iS	19 18			
	L	20 42			
	M	21 00	0.8		
	L	22 18			2,300 = 20.7
	M	22 36	0.6		
" 27	e	23 06 42			
	L	09 00			
	M	10 42	0.1		

SYDNEY OBSERVATORY

Milne Seismograph - E. W. Component.

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

Date 1933.	Phase.	Time Greenwich H.	M.	S.	A_E mms.	△ kms.	Remarks.
March 1	e	20	36	54			
	L		44	06			
	M		46	00	0.2		
" 2	eP	17	43	12			
	iS		52	00			
	SR_1		54	30			
	SR_2		58	30			
	SR_3	18	03	48			
	L		09	00			
	M_1		11	48	23.0		Japan.
	M_2		16	12	16.5		
	M_3		18	12	16.5	7,400	
	M_4		21	00	14.0		
	M_5		26	30	16.0		
	M_6		29	30	14.5		
	M_7		34	18	13.2		
" 5	eP	8	32	18			
	eS		39	18		5,200	
	L		45	36			
	M		46	42	0.4		
" 9	e	20	42	30			
	L		47	00			
	M		48	00	0.5		
" 11	P	Not recorded.					
	eS	2	24	18			South California
	L		48	12			
	M		53	30	0.2		
" 13	e	16	37	30			
	L		49	12			
	M		50	18	0.4		
" 15	eP	5	03	18			
	eS		09	54			
	L		15	18		4,800.	
	M		16	00	018		
	L		17	12			
	M		17	48	0.6		
" 17	e	16	17	36			
	iP		18	48			
	iS		27	18			
	L		48	12		8,400	
	M_1		50	30	0.5		
	M_2		55	36	0.5		

Date 1933.	Phase.	Time, Greenwich. H.	M.	S.	A E mms.	Δ kms.	Remarks.
March 17.	eP	19	39	36			
	iS		47	48			
	L		59	18			
	M_1	20	00	00	2.1	6,600	
	M_2		04	42	2.2		
	M_3		05	30	2.5		
	M_4		09	05	1.5		
" 18	e	3	28	30			
	L		48	00			
	M		49	30	0.5		
" 18	e	18	35	18			
	L		48	54			
	M		51	48	0.3		

SYDNEY OBSERVATORY

Milne Seismograph E-W Component

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

Date 1933.	Phase.	Time Greenwich H. M. S.	A_E mms.	Δ kms.	Remarks.
April 2.	L	9 12 00			
	M	12 36	0.3		
" 9	e	3 07 36			
	L	19 48			
	M	20 30	0.2		
	L	28 30			
	M	30 36	0.3		
" 9	e	4 49 06			
	L	56 30			
	M	58 42	0.3		
" 11	e	5 58 36			
	M	6 01 00	0.2		
" 11	e	10 16 54			
	M	18 06	0.2		
" 13	eP	22 02 30			
	eS	06 42			
	L	09 18		2,600	
	M	10 30	0.6		
" 16	e	6 10 18			
	L	14 30			
	M	16 12	0.8		
" 16	eP	19 22 30			
	iS	28 00			
	L	33 48			
	M	34 30	4.4	3,700	
	L	35 30			
	M	36 00	3.8		
	L	37 42			
	M	39 42	2.0		
" 19	e	7 04 00			
	L	22 54			
	M	25 00	0.5		
" 26	e	22 47 42			
	L	55 42			
	M	57 30	0.2		
" 27	eP	2 55 00			
	L	3 30 36			
	M	39 30	2.5		

SYDNEY OBSERVATORY

Milne Seismograph E - W Component

Constants B.P. = 18^{s} D.V. 1 mm. = 0".38

Date 1933	Phase	Time Greenwich. H.	M.	S.	A_E mms.	↘ kms.	Remarks.
May 8.	e	10	58	54			
	L	11	34	30			
	M		37	24	0.5		
" 10.	e	2	59	42			
	L	3	04	48			
	M		05	30	0.2		
" 16.	P		?				P. lost in micros.
	eS	1	43	24			
	L		53	24			
	M		54	30	0.6		
" 20.	e	4	46	12			
	L		55	36			
	M		57	18	0.5		
	L		58	00			
	M		58	54	0.6		
" 20.	e	8	24	18			
	M		25	48	0.2		
" 21.	eP	8	16	48			
	eL		26	12			
	M		29	00	0.6		
" 21.	eP	12	02	18			
	eL		10	00			
	M		11	00	0.2		
" 23.	eL	20	19	12			
	M		21	30	0.2		
" 23.	eL	20	27	36			
	M		30	18	0.4		
" 29.	e	10	25	48			
	L		34	00			
	M		35	36	0.6		

SYDNEY OBSERVATORY

Milne Seismograph - E - W Component.

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

Date 1933.	Phase.	Time Greenwich. H. M. S.	A_E mms.	Δ kms.	Remarks.
June 2.	e	12 33 12			
	L	40 30			
	M	42 30	0.5		
" 4.	e	13 46 42			
	L	52 00			
	M	55 18	0.4		
" 6.	e	2 44 30			
	L	56 06			
	M	58 06	0.2		
	L	3 02 00			
	M	03 00	0.2		
" 7.	eP	5 58 48			
	iS	6 00 18			Felt at Broken Hill, N.S.W.
	L	02 36			
	M	05 00	0.4		
" 11.	e	13 13 48			
	L	24 24			
	M	26 30	0.6		
" 18.	eP	4 01 36			
	iS	07 12			
	L	12 48			
	M	14 48	0.7	3,900	
	L	16 12			
	M	16 36	0.7		
	L	18 12			
	M	18 36	0.5		
" 24.	iP	22 03 48			
	iS	11 36			
	PS	15 00			
	L	24 12			
	M	25 42	3.6		
	L	26 30			
	M	28 00	4.1	6,200	
	L	29 30			
	M	30 36	7.0		
	L	33 00			
	M	33 30	2.7		
	L	34 18			
	M	35 12	4.0		

SYDNEY OBSERVATORY

Milne Seismograph E-W Component

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

Date 1933.	Phase	Time Greenwich H. M. S.	A mm.	E △ kms.	Remarks.
July 9	iP	12 53 30			
	iS	13 02 42			
	L	19 36			
	M	23 18	0.8		
	L	25 30			
	M	27 00	0.5	7,800	
	L	29 18			
	M	30 24	0.7		
" 10	e	4 11 32			
	M	23 24	0.2		
" 10	e	10 40 30			
	eP	43 42			
	eS	48 00			
	L	50 48			
	M	51 18	1.6		
	L	53 30			
	M	55 00	1.0	2,700	
	L	57 30			
	M	58 18	0.8		
	L	11 00 00			
	M	01 36	1.1		
" 21	P	?			P lost in microseismic.
	iS	20 53 18			
	L	58 00			
	M	59 30	0.7		
" 22	e	21 17 00			
	L	19 18			
	M	20 20	0.4		
	L	26 18			
	M	27 00	0.3		
	L	42 30			
	M	43 36	0.5		
	L	55 36			
	M	56 54	0.7		
	L	22 07 42			
	M	09 18	0.4		
" 24	e	18 58 30			
	iP	19 02 30			
	iS	08 48			
	L	13 36	2.1	4,600	
	M	16 42			
" 30	eP	17 20 48			
	L	25 00			
	M	26 36	0.5		

SYDNEY OBSERVATORY

Milne Seismograph E - W Component.

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

Date. 1933.	Phase.	T i m E Greenwich. h. m. s.	A_E mms.	△ kms.	Remarks.
Aug. 5	e	1 50 36			
	L	54 18			
	M	55 36	0.7		
	L	57 18			
	M	58 24	0.8		
" 8	Series of Sinusoidal waves of 0.2 mm. amp from h. m. s. 3 47 42 to 3 53 18.				
" 13	e	10 02 06			
	L	06 00			
	M	08 06	0.4		
" 25	iP	8 12 48			
	iS	18 00			
	L	23 42			
	M	25 12	0.7		
	L	29 12			
	M	30 18	2.0		
	L	31 36			
	M	32 36	1.4		
	L	35 30		3,300	
	M	36 12	1.3		
	L	38 42			
	M	39 24	1.0		
	L	40 00			
	M	41 00	1.3		
	L	43 42			
	M	45 30	1.7		
	L	50 06			
	M	53 36	1.4		
	L				
" 26	e	23 56 00			
" 27	L	0 00 12			
	M	01 48	0.3		
" 28	eP	22 32 18			P.uncertain.
	iS	43 24			Micros precede.
	SR_1	49 00			
	SR_2	55 00			
	L	23 02 00			
	M	05 18	2.3		
	L	07 12			
	M	07 42	2.5		
	L	08 48		10,200	
	M	11 00	3.5		
	L	12 12			
	M	14 12	4.5		
	L	20 00			
	M	20 36	1.5		
	L	23 00			
	M	23 36	1.6		
	L	28 30			
	M	30 30	2.0		

SYDNEY OBSERVATORY

Milne Seismograph - E - W Component.

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

Date 1933.	Phase.	Time Greenwich. H.	M.	S.	A E mms.	△ kms.	Remarks.
Sept.1.	e	19	04	12			
	L		11	18			
	M		12	12	0.2		
" 2.	Series of sinusoidal waves from $16^{h}.55^{m}.00^{s}$. to $17^{h}.37^{m}.12^{s}$.						
" 6.	eP	1	21	30			
	iS		25	18			
	L		28	12		2,300	
	M		29	12	0.6		
" 6.	e	17	41	42			
	L		52	36			
	M		55	00	0.8		
" 6.	iP	22	13	48			
	iS		16	42			
	L		18	00			
	M		19	00	2.3		
	L		27	18		1,700	
	M		28	24	0.9		
	L		29	12			
	M		30	24	1.1		
" 9.	eP	21	25	36			
	iS		29	42			
	L		31	00		2,500	
	M		32	00	0.7		
	L		34	12			
	M		35	30	1.1		
" 15.	e	23	41	12			
	L		45	18			
	M		47	36	0.3		
" 16.	e	3	21	00			
	L		28	18			
	M		29	48	0.4		
" 22.	eP	11	43	42			
	iS		48	18			
	L		51	48			
	M		53	20	0.6	2,300	
" 24.	e	15	38	12			
	L		43	00			
	M		45	00	0.2		
"25.	e	14	00	24			
	L		04	30			
	M		05	30	0.2		

Date 1933.	Phase.	Time Greenwich H.	M.	S.	A E mms.	△ kms.	Remarks.
Sept. 25.	P		?				P. lost in micros.
	iS	19	49	54			
	L		52	18			
	M		53	12	1.5		
" 27.	e	21	42	30			
	L		54	30			
	M		57	12	0.3		
" 30.	eP	14	27	48			
	iS		33	42			
	SR_1		36	48			
	L		39	30		4,100	
	M		40	30	5.5		
	L		42	00			
	M		43	00	7.0		
	L		46	18			
	M		47	00	3.2		

SYDNEY OBSERVATORY

Milne Seismograph:- E - W Component.

Constants B.P. = 18^{s}. D.V. 1 mm. = 0".38

Date 1933.	Phase.	Time Greenwich. H. M. S.	A_E mms.	△ kms.	Remarks.
Oct.2	eP	6 09 18			
	eS	12 36			
	L	14 48			
	M	16 30	0.2		
" 2	Several series of waves up to 0.5 mm. amplitude from $15^{h}.54^{m}.30^{s}$. to $19^{h}.41^{m}.36^{s}$.				
" 4	e	17 40 30			
	L	43 12			
	M	45 30	0.4		
" 5	e	8 46 00			
	L	57 30			
	M	9 00 42	0.2		
" 5	e	14 21 42			
	L	25 36			
	M	37 30	0.2		
"17	e	12 34 48			
	L	41 48			
	M	43 18	0.3		
"17	e	15 17 30			
	L	21 12			
	M	22 30	0.2		
"23	e	4 04 18			
	L	10 00			
	M	12 00	0.7		
"23	e	14 09 42			
	L	12 30			
	M	13 30	0.2		
"26	P	?			P.& S. lost in Micros.
	S	?			
	L	22 48 42			
	M	54 30	0.6		
	L	55 48			
	M	56 30	0.5		
"28	e	23 16 18			
	M	20 30	0.1		
"30	e	7 03 06			
	eP	04 36			
	eS	08 54			
	L	11 12			
	M	11 54	0.7		
	L	13 00		2,600	
	M	13 24	0.6		
	L	14 12			
	M	14 42	0.6		
" 31	e	16 35 24			
	L	38 00			
	M	39 30	0.2		

SYDNEY OBSERVATORY

Milne Seismograph E - W Component

Constants B. P. = 18^{s} D.V. 1 mm. = 0".38

Date 1933.	Phase.	Time Greenwich. H. M. S.	A_E mms.	△ kms.	Remarks.
Nov. 18	e	4 ~~3~~ 54			
	L	8 12			
	M	9 18	0.2		
" 19	eP	3 16 12			
	iS	20 30			
	L	22 48		2,650	
	M	24 30	2.5		
" 20	P	?			P lost in changing sheet shortly after 23h.30m. No definite phases.
" 21	L	0 38 00			
	M	0 49 30	0.7		
" 21	e	19 55 12			
	L	20 00 30			
	M	20 03 36	0.2		
" 22	e	12 51 12			
	iP	52 42			
	iS	54 30			
	L	56 42		1,900	
	M	57 48	4.5	1,900	
	L	58 52			
	M	59 30	2.5		
	L	13 01 36			
	M	02 30	3.0		
" 27	e	20 36 12			
	L	46 00			
	M	48 30	0.3		
" 28	P	?			P & S lost in Micros.
	S	?			
	L	12 12 48			
	M	17 30	0.7		
" 29	L	6 06 12			
	M	08 48	0.2		

double

SYDNEY OBSERVATORY

Milne Seismograph - E - W Component.

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

Date.	Phase.	Time Greenwich. H.	M.	S.	A_E mms.	Δ kms.	Remarks.
Dec 1.	L.	6	13	48			
	M		14	30	0.2		
" 1.	e	7	04	00			
	L		07	54			
	M		08	30	0.2		
" 1.	e	10	30	06			
	L		36	42			
	M		38	18	0.3		
" 2.	iP	5	22	00			
	iS		25	42			
	L		27	24		2,250 = 20.25	
	M		28	24	1.7		
" 12.	eP	14	17	06			
	iS		22	00			
	L		25	30			
	M_1		27	36	2.2		
	M_2		28	24	2.6		
	L		30	06		3,200	
	M		30	36	1.0	=28.8	
	L		31	48			
	M		32	24	0.9		
" ~~12.~~ 13	e	22	13	42			
	L		22	36			
	M		24	36	0.5		
" 24.	eP	10	56	~~24~~ 24			
	iS	11	00	~~00~~ 18			
	L		02	12		2,400	
	M		03	36	1.7		