

SYDNEY OBSERVATORY



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Milne Seismograph E - W Component.

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

Date 1933.	Phase.	Time Greenwich.			A _E mms.	△ kms.	Remarks.
		H.	M.	S.			
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			A _E mms.	△ Kms.	Remarks.
		H.	M.	S.			
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.

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Date 1933.	Phase.	Time Greenwich			A E	△	Remarks.
		H.	M.	S.			
March 1	e L M	20	36 44 46	54 06 00	0.2		
" 2	eP iS SR ₁ SR ₂ SR ₃ L M ₁ M ₂ M ₃ M ₄ M ₅ M ₆ M ₇	17 18	43 52 54 58 03 09 11 16 18 21 26 29 34	12 00 30 30 48 00 48 12 12 00 30 30 18	 23.0 16.5 16.5 14.0 16.0 14.5 13.2	7,400	Japan.
" 5	eP eS L M	8	32 39 45 46	18 18 36 42	0.4	5,200	
" 9	e L M	20	42 47 48	30 00 00	0.5		
" 11	P eS L M	Not recorded.					South California
" 13	e L M	16	37 49 50	30 12 18	0.4		
" 15	eP eS L M L M	5	03 09 15 16 17 27	18 54 18 00 12 48	0.18 0.6	4,800.	
" 17	e iP iS L M ₁ M ₂	16	17 18 27 48 50 55	36 48 18 12 30 36	0.5 0.5	8,400	

Date 1933.	Phase.	Time, Greenwich.			A E	△ kms.	Remarks.
		H.	M.	S.			
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	•	3	28	30			
	L		48	00			
	M		49	30	0.5		
" 18	e	18	35	18			
	L		48	54			
	M		51	48	0.3		

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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 M	9 12 00 12 36	0.3		
" 9	e L M L M	3 07 36 19 43 20 30 28 30 30 36	0.2 0.3		
" 9	e L M	4 49 06 56 30 58 42	0.3		
" 11	e M	5 58 36 6 01 00	0.2		
" 11	e M	10 16 54 18 06	0.2		
" 13	eP eS L M	22 02 30 06 42 09 18 10 30	0.6	2,600	
" 16	e L M	6 10 18 14 30 16 12	0.8		
" 16	eP iS L M L M L M	19 22 30 28 00 33 48 34 30 35 30 36 00 37 42 39 42	4.4 3.8 2.0	3,700	
" 19	e L M	7 04 00 22 54 25 00	0.5		
" 26	e L M	22 47 42 55 42 57 30	0.2		
" 27	eP L M	2 55 00 3 30 36 39 30	2.5		

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Milne Seismograph E - W Component

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

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


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

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. to 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		
" 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			
" 29	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		

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

Date 1933.	Phase.	T i m e			A E mms.	△ kms.	Remarks.
		Greenwich. H.	M.	S.			
Sept. 1.	e L M	19	04	12 18 12	0.2		
" 2.	Series of sinusoidal waves from 16 ^h .55 ^m .00 ^s . to 17 ^h .37 ^m .12 ^s .						
" 6.	eP iS L M	1	21	30 18 12 12	0.6	2,300	
" 6.	e L M	17	41	42 36 00	0.8		
" 6.	iP iS L M L M L M	22	13	48 42 00 00 18 24 12 24	2.3 0.9 1.1	1,700	
" 9.	eP iS L M L M	21	25	36 42 00 00 12 30	0.7 1.1	2,500	
" 15.	e L M	23	41	12 18 36	0.3		
" 16.	e L M	3	21	00 18 48	0.4		
" 22.	eP iS L M	11	43	42 18 48 20	0.6	2,300	
" 24.	e L M	15	38	12 00 00	0.2		
" 25.	e L M	14	00	24 30 30	0.2		

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Date 1933.	Phase.	T i m e Greenwich			A E mms.	△ kms.	Remarks.
		H.	M.	S.			
Sept. 25.	P iS L M	19	? 49 52 53	54 18 12	1.5		P. lost in micros.
" 27.	e L M	21	42 54 57	30 30 12	0.3		
" 30.	eP iS SR ₁ L L L M L M	14	27 33 36 39 40 42 43 46 47	48 42 48 30 30 00 00 18 00	5.5 7.0 3.2	4,100	

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Date 1933.	Phase.	Time Greenwich.			A _E mms.	△ kms.	Remarks.
		H.	M.	S.			
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
	S		?				in Micros.
	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			
	M		13	24	0.6	2,600	
	L		14	12			
	M		14	42	0.6		
" 31	e	16	35	24			
	L		38	00			
	M		39	30	0.2		

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Date 1933.	Phase.	Time Greenwich.		A _E mms.	 kms.	Remarks.
		H.	M. S.			
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
" 21	L	0	38 00			sheet shortly
	M	0	49 30	0.7		after 23h.30m.
						No definite phases.
" 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