



EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

Register from SYDNEY OBSERVATORY, NEW SOUTH WALES.

(Name of Station)

Director, Superintendent, or Observer: James Nangle, Director, W.C. Graham, Observer.

No.	Date.	Com- ponent.	P			PR ₁			S			SR ₁			L			Max.			Remarks.
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
	1928.																				
	Jan. 3	E-W	? A.Ts. precede			.			23	04	24	.			23	07	42	23	09	54	
	4	"	21	32	18	.			21	36	48	.			21	43	36	21	44	36	
																47	00		48	00	
	10	"	? A.Ts. precede			.			5:40	12		.			5	23	48	5	25	18	
	17-18	"	23	53	00	.			.			.			0	00	12	0	55 ^{02 24}	36	
	26	"	22	09	30	?			.			.			22	24	30	22	26	30	
	30	"	3	36	30	.			.			.			3	53	00	3	55	00	
	31	"	P lost changing sheet.			.			.			.			0	33	00	0	34	00	



EARTHQUAKE RECORDS BY MILNE SLIPSTREAM.

Register from

OBSERVATORY, New South Wales

(Name of Station)

Director, Superintendent, or Observer :

James Hangle, Director, W.C.Graham, Observer.

No.	Date.	Com- ponent.	P			PR ₁			S			SR ₁			L			Max.			Remarks.
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
	28																				
	March 3	E-W	18	54	00									19	04	30	19	05	08		
	9	"	11	10	30									11	21	00	11	21	48		
	9	"	18	18	12				18	24	48	18	29	48	18	37	18	18	46	00	Δ 7200 kms
														51	18		54	00			
														55	18		57	00			
														59	00		59	18			
														19	00	48	19	01	08		
														04	00		05	00			
														06	42		06	12			
														14	08		16	12			
	13	"	18	38	00									18	42	00	18	46	00		
														47	18		48	18			
														50	00		50	48			
	22	"	4	36	12				4	42	18			4	46	48	4	47	24		
														53	00		55	00			Δ 4300 kms
														6	18	18	5	20	48		
														23	30		24	12			
														25	42		26	18			
														27	30		28	00			
														30	30		31	00			
														37	42		39	00			
														6	03	12	6	04	12		
														10	48		11	48			
														14	30		16	42			
														20	00		21	30			
														25	00		25	30			
														29	18		31	18			
														34	00		36	00			
														38	36		40	30			
														48	54		50	30			
	24	"	9	23	00									9	25	00	9	26	02		
	25	"	18	40	00									18	42	24	18	44	18		
	26	"	?						5	40	12			5	48	30	6	52	12		P lost in A.T's.
														56	00		57	24			
														8	00	00	8	00	36		---do---
	26	"	?						8	57	48			7	06	30	7	10	48		
	26	"	8	20	30									8	30	12	8	33	00		
	26	"	10	01	36									10	10	36	10	15	00		
	27	"	19	40	00									19	43	48	19	46	00		
	29	"	5	20	12				5	24	30			5	27	06	5	27	48		



EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

Register from

SYDNEY OBSERVATORY, NEW SOUTH WALES.

(Name of Station)

Director, Superintendent, or Observer: James Hangle, Director, W.C. Graham, Observer.

No.	Date.	Com- ponent.	P	PR ₁	S	SR ₁	L	Max.	Remarks.
			H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	
1928									
	Record lost April 7d 1h 58m 0s to 8d 0h 8m 0s, and from 8d 1h 18m 30s to 8d 7m 0s G.M.T. Clock stopped.								
April 14	E-W	?	.		10 09 48	.	10 19 48 28 48	10 25 00 30 00	P? A.T's precede
17	"	?	.		.	.	3 55 18 4 02 18	3 56 30 4 04 00	--- d0.---
17	"	?	.		.	.	5 40 18	5 46 00	--- d0.---
18	"	30 32 12	.		20 37 12	.	20 43 00 48 12 51 36	20 44 30 50 00 54 30	P & S doubt- ful, A.T's precede.
24	"	9 55 36	.		.	.	10 02 48 06 30	10 03 30 07 18	
					D.V. 1 mm = 0"32				E.P. = 30s.

EARTHQUAKE RECORDS BY MILNE S

Register from

SYDNEY OBSERVATORY, New South Wales.

(Name of Station)

Director, Superintendent, or Observer:

James Hangle, Director, W.C. Graham, Observer.

No.	Date. 1928	Com- ponent.	P			PR ₁			S			SR ₁			L			Max.			Remarks.
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
	June 1	E-W	13	33	12									13	49	12	13	50	18		
														14	00	48	14	02	18		
														10	30		11	30			
3	"	"	2	03	12									2	08	12	2	07	00		
3	"	"	8	52	06									9	02	00	9	03	00		
6	"	"	19	22	48			19	28	00				19	32	12	19	33	18	△ 3450 kms	
Record lost June 8d 1h 29m to 23h 1m, light failed.																					
15	"	"	6	20	48			6	29	30				6	41	00	6	44	00	PT ATs prece	
15	"	"	15	25	06			15	32	48				15	48	18	15	48	00	----do--de	
														52	00		53	00		△ 6000 kms	
16	"	"	18	38	00									18	43	00	18	43	30		
														46	06		47	00			
17	"	"	2	39	00			2	49	12	2	56	00	3	13	30	3	22	48	Sr2 3 02 00	
														27	38		30	00			
														51	48		52	36			
														4	05	00	4	06	00	△ 9000kms	
														10	12		11	00			
														39	00		40	00			
														41	30		43	24			
														46	00		47	00			
21	"	"	3	50	42			3	55	12				3	57	30	3	58	30		
21	"	"	10	46	18			10	51	54				10	55	24	10	55	48	P & S T ATs precede	
														58	00		58	48			
														11	00	48	11	01	30		
														06	18		07	00			
														10	54		11	42			
21	"	"	?					?						17	24	36	17	28	00	-----do-----	
														43	00		44	00			
Record lost June 27d 13h 0m to 28d 1h 7m - clock stopped.																					
29	"	"	22	55	18			22	59	54				23	03	18	23	04	12		
														14	48		17	54			
														19	30		20	30			
														38	42		40	00			
														43	00		43	36			

D.V. 1 min = 0".34 B.P. = 30s

EARTHQUAKE RECORDS BY MILNE S



From the ISC collection scanned by SISMOS

Register from

SYDNEY OBSERVATORY, N.S.WALES.

(Name of Station)

Director, Superintendent, or Observer:

James Nangle, Director, W.C.Graham, Observer.

No.	Date.	Com- ponent.	P			PR ₁			S			SR ₁			L			Max.			Remarks.
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
1928.																					
	Aug. 4	E-W	?			.			18	51	42	.			18	58	00	18	58	42	
															19	02	38	19	03	30	
	4	"	?			.			19	20	12	.			19	24	38	19	28	42	
															20	41	00	20	42	00	
															46	00		46	54		
															50	00		51	30		
	12	"	?			.			5	26	00	.			5	32	08	5	33	30	
															38	42		39	30		
	24	"	21	45	00	.			21	50 ⁵⁰	50 ⁵⁰	.			21	52	54	21	55	30	
	24	"	22	29	48	.			.			.			22	34	00	22	36	08	
	28	"	8	33	48	.			.			.			8	39	24	8	40	42	
	29	"	2	34	30	.			.			.			2	48	12	2	49	12	
D.V. 1 mm = 0".34 B.P. = 208.																					
Record lost August 26d On 50m to August 26d On 54m, Clock stopped.																					

EARTHQUAKE RECORDS BY MILNE S

Register from

SYDNEY OBSERVATORY, NEW SOUTH WALES.

(Name of Station)

Director, Superintendent, or Observer: James Hangle, Director, W.C. Graham, Observer.

No.	Date.	Com- ponent.	P			PR ₁			S			SR ₁			L			Max.			Remarks.					
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.						
	1928																									
	Sept 1 st																									
	Sept 1-2																				P? AT's made					
																					Record lost Sept. 2d 2h 28m to Sept. 3d 0h 25m - clock stopped.					
7	"		3	57	00					4	00	18									4	06	00	4	06	42
11	"		0	47	30	.				.											0	52	48	0	54	18
11	"		13	33	48	.				.											13	30	30	13	35	00
12	"		1	20	00	.				1	35	36	.								1	30	54	1	31	36
13	"		?			.				3	36	30	.								3	52	30	3	55	12



EARTHQUAKE RECORDS BY MILNE

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SYDNEY OBSERVATORY, NEW SOUTH WALES.

(Name of Station)

Director, Superintendent, or Observer:

James Hangle, Director, W.C. Graham, Observer.

No.	Date.	Com- ponent.	P			PR ₁			S			SR ₁			L			Max.			Remarks.
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
	1928																				
	Oct. 9	E-W-	3	20	42				3	20	42				3	30	30	3	31	12	
															32	00		33	12		
															37	36		38	36		
															42	00		42	30		
	9	E-W	?						3	55	12				4	00	08	4	04	00	Pt lost in
															09	00		09	42		after tremors
															11	00		11	30		of previous
															12	12		13	00		quake.
															14	24		15	00		
															16	00		17	00		
															20	12		20	48		
															22	00		23	12		
															27	00		28	00		
															32	12		33	48		
															5	00	48	5	10	30	
															15	12		15	00		
															16	00		20	00		
															24	00		26	30		
															32	08		33	12		
	13	*	15	28	12										15	42	00	16	44	30	
	15	*	8	40	42				8	44	42				8	40	42	8	50	12	
	16	*	14	43	30				14	57	42				15	12	30	15	24	30	PG&Y A.T.'s
	17	*	?						?						8	37	42	8	30	30	present
	19	*	10	24	30				10	28	12				10	32	12	10	35	00	
															37	00		37	30		
															38	12		38	48		
															42	30		44	22		
															45	20		48	00		
	21	*	15	30	30										15	32	30	15	40	42	
	21	*	18	28	24										15	35	00	16	38	12	
															40	36		42	30		
	22	*	?						5	57	42				5	00	24	6	01	36	

B.P. = 122.6

D.V. 122 = 0".22



EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

Register from

SYDNEY OBSERVATORY, New South Wales.

(Name of Station)

Director, Superintendent, or Observer: **James Hingle, Director, W.C.Graham, Observer.**

No.	Date.	Component.	P			PR ₁			S			SR ₁			L			Max.	Remarks.	
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.			H.
	1928																			
	Nov. 5	E-W	14	16	00									14	21	08	14	22	00	
	6	"	4	09	38				4:13	38				4	15	12	4	17	42	
														21	00				21	30
														22	00				22	30
														25	54				25	42
														29	48				30	30
	9	"	11	13	18									11	17	12	11	18	00	
	10	"	2	09	08									2	15	30	2	18	24	
	10	"	12	32	00				12	35	48			12	38	48	12	40	12	
	11	"	23	03	12									23	18	36	23	21	00	
	19	"	?						15	36	36			15	40	18	15	41	00	P? A.T's pre-
	22	"	8	34	30				9	07	36			9	19	00	9	22	34	cede.
	Record lost Nov. 25d 2h 35m to Nov. 26d 0h 53m C.C.M.T. Clock stopped.																			
	28	"	10	48	12				10	58	18			11	04	30	11	08	00	
														09	48				11	18
														12	43				12	12
														14	30				15	08
														17	18				19	30
	28	"	14	02	48									14	13	18	14	15	12	
	29	"	?						15	48	12			15	58	30	15	00	00	P? A.T's pre-
														16	01	36			02	36
	29	"	17	08	08				17	10	30			17	14	48	17	15	08	cede.
														18	30				19	12
														20	06				20	36
														21	12				21	48
														22	30				23	06
														23	54				24	12
	29	"	?						23	19	54			23	23	18	23	26	12	P? A.T's pre-
																				cede.

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B.P. = 18.5 secs.

D.V. 1 sec = 0".28

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

Register from

SYDNEY OBSERVATORY, New South Wales

(Name of Station)

Director, Superintendent, or Observer:

James Nangle, Director, V.C. Graham, Observer.

No.	Date.	Com- ponent.	P			PR ₁			S			SR ₁			L			Max.			Remarks.	
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.		
1928	Dec. 1	E-W	4	18	24				4	30	30	4	38	30	4	56	00	5	00	54	11,600 KMS Chile.	
															5	02	36			03		12
																05	48			06		30
																08	12			08		48
																11	48			13		12
																14	30			15		00
																17	24			17		48
																5	09	42	5	11		30
																13	30			14		30
																25	18			26		34
																9	31	36	9	33		36
																35	34			36		30
																38	12			39		00
																40	00			40		48
																45	18			46		12
																49	18			50		30
																52	18			53		12
																0	08	00	0	09		12
																10	54			11		36
																12	36			13		06
																5	15	30	5	19	12	
																				26	00	
																				30	30	
																16	20	48	16	25	48	
																20	34	24	20	33	36	
																37	30			38	30	
																39	06			39	36	
																40	12			40	48	
																42	00			42	30	
																43	12			43	36	
																45	06			45	30	
																46	48			47	12	
																48	00			48	30	
																51	00			51	48	
																54	18			54	48	
																31	07	48	21	08	24	
																10	36			11	36	
																13	30			14	00	
																14	26	00	14	27	42	
																23	32	30	23	34	36	

8/9 " 23 59 30

9 " ?

9 " 18 14 12
12 " 20 35 48

20 31 00

14 " 14 15 18
14 " ?

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EARTHQUAKE RECORDS BY MILNE S...

(2)

Register from

(Name of Station)

Director, Superintendent, or Observer :

No.	Date.	Com- ponent.	P			PR ₁			S			SR ₁			L			Max.			Remarks.
			H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	H.	M.	S.	
	1928																				
	Dec. 19	E-W	11	45	00				11	53	18				12	07	12	12	09	18	
															11	36		12	24		
															13	18		15	06		
															17	48		19	00		
															24	48		28	12		
															34	08		35	00		
	28	*	14	27	12				14	35	30				14	46	12	14	49	30	
															54	42		55	18		