

14
-1932

Matuyama JAPAN

SEISMIC BULLETIN

of the Matuyama Meteorological Observatory of Japan.

$\varphi = 33^{\circ}55'N$ $\lambda = 132^{\circ}45'E$ $h = 31.4m$

Omori Hor. Pend. Seismograph. [Multiplication—100 Mass—48.8kg. Pendulum Period—8.0s]

Time : all determinations are reduced to green-wich mean civil time.



Matuyama Observatory

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G. M. C. T.				Ae	An	Az		
			h.	m	s.	s	micron	micron	micron	km.	
12	7. march '27	eSen	18	28	28.0	0.8	-3.0	-2.0	-	269.3	Felt in the City people and Houses shaked.
		elen		29	43	-	-	-	-		
13	7. mar	eFe	19	46	314	0.7	-3.0	?	-	297.1	
		eMen		48	161	-	-130.0	+153.0	-		
		F		49	48.8	-	-	-	-		
14	7. mar	eSen	22	29	14	0.7	-2.5	+1.5	-	259.0	
		elen		29	36.3	-	-21.5	+4.2	-		
		eMen		29	46.6	1.0	-34.0	-27.0	-		
		F		26	15.9	-	-	-	-		
15	7. mar	eSn	23	12	17.6	-	?	+1.0	-	276.7	
		elen		12	54.9	0.7	+4.0	±5.0	-		
		eMen		13	24	0.7	-15.0	+17.2	-		
16	8. mar	eFe	0	36	55.0	0.6	-1.0	?	-	242.6	
		elen		37	28.3	-	+27.0	-3.0	-		
		eMen		37	33.8	1.1	-38.0	-44.0	-		
		F		38	55.6	-	-	-	-		
17	8. mar	eFe	0	49	41.1	-	+2.0	?	-	242.6	
		eMen		50	18.2	0.7	-12.0	±10.0	-		
		F		51	12.4	-	-	-	-		
18	8. mar	eSn	2	18	28.1	-	?	+0.5	-	?	
		eMen		18	33.3	-	-32.0	+17.0	-		
		F		19	15.0	-	-	-	-		
19	8. mar.	eSn	9	14	29.4	-	?	-3.0	-	243.3	
		eMen		15	7.6	1.1	-20.0	+19.0	-		
		F		15	51.2	-	-	-	-		
20	8. mar	eSen	23	44	3.8	0.7	-	-	-	270.8	
		elen		44	37.7	0.7	+1.0	+1.0	-		
		eMen		44	48.1	1.0	-40.0	+18.0	-		
		F		47	6.4	-	+180.0	-120.0	-		
21	9. mar	eFe	20	44	8.0	0.6	-	-	-	457.1	
		eSen		44	40.5	?	-1.0	?	-		
		elen		45	4.5	0.6	-2.0	-1.0	-		
		eMen		45	15.9	0.6	-11.2	-8.0	-		
		F		45	50.2	-	-	-	-		
22	11. mar	eSen	? 7	34	32.6	0.5	-1.0	+3.0	-	251.6	
		elen		35	6.5	1.0	+20.0	-26.0	-		
23	12. mar	eMen		35	14.3	1.0	-55.0	+32.0	-		
		eSen	? 6	37	14.5	-	-	-	-		
		elen		29	30.0	-	-	-	-	232.2	
		eMen		30	1.3	0.5	-1.0	-1.0	-		
		F		30	11.3	0.5	+7.0	-3.0	-		
				31	3.5	-	-12.0	+20.0	-		

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Matuyama Observatory

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G. M. C. T.				AE	AN	Az		
			h.	m	s.	s	micron	micron	micron	km.	
24	1. april '27	ePse	6	9	39.8	-	-1.2	-	-	309.4	Slight shock the men.
		eLe		10	21.5	-	± 1040	-	-		
		M	?			-	-	-	-		
		F	?			-	-	-	-		
25	1 april '27	ePsen	18	22	38.2	-	-1.0	-1.0	-	235.2	This times are ?
		eLen		23	9.9	-	+3.0	+4.0	-		
		eM ₁ en		23	15.4	-	+11.0	-6.0	-		
		eM ₂ en		23	18.7	-	± 10.5	± 5.5	-		
		eM ₃ en		23	21.4	-	-10.8	+6.0	-		
		F		23	54.0	-	-	-	-		
26	8. april '27	iPses	22	6	5.8	1.0	-1.0	+2.0	-	247.1	
		eLen		6	39.1	1.0	-2.0	-25.0	-		
		eMen		6	49.1	-	-47.0	+50.0	-		
		F		8	12.4	-	-	-	-		

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			G. M. C. T.				Ae	An	Az			
			h.	m	s.	s	micron	micron	micron	km.		
27	8. May '27	eP	16	57	34.4	-	?	?	-	139.5	Felt evenly men and shocked houses.	
		eSen	16	57	41.7	0.5	-7.0	?	-	-		
		eSen	16	57	52.2	-	-65.0	?	+3.3	-		
		M	?									
		F	17	00	31.7	-	-	-	-	-		
28	8. May '27	eP	17	00	31.7	-	?	+1.0	-	132.0		
		eSen	17	00	46.8	-	+1.0	+3.0	-	-		
		eSen	17	00	49.5	-	-20.0	-12.0	-	-		
		eMen	17	00	59.9	-	-55.0	-15.0	-	-		
		F	17	1	52.0	-	-	-	-	-		
29	9. May '27	eP	16	4	28.2	-	?	?	-	143.2		
		eSen		4	43.2	-	+1.0?	?	-	-		
		eMen		4	48.5	0.5	+35.0	+20.0	+0.2	-		
		F		5	38.5	-	-	-	-	-		
30	10. May '27	eP	17	39	59.0	-	?	?	-	140.3		
		eMen		40	18.9	-	+44.0	+61.0	-0.3	-		
		F		41	31.5	-	-	-	-	-		
31	11. May '27	eP	8	58	47.5	-	-	-	-	84.6		
		eMen		58	59.5	-	+13.0	+10.5	-	-		
		F		59	14.5	-	-	-	-	-		
32	13. May	eP	23	2	27.9	-	-	-	-	115.8		
		eSen		2	38.3	-	+1.0	-0.5	-	-		
		eMen		2	45.1	-	-9.0	+3.0	-	-		
		eMen		2	56.0	-	-6.2	+3.0	-	-		
		F		3	16.3	-	-	-	-	-		
33	13. May	eP	23	30	27.9	-	-	-	-	115.8		
		eSen		30	38.4	-	+1.0	+1.0	-	-		
		eMen		30	43.6	-	+9.0	?	-	-		
		eMen		31	1.9	-	+9.0	-4.0	-	-		
		F		31	33.3	-	-	-	-	-		
34	19. May	iP	2	19	11.4	0.5	+2.0	+6.0	-	53.4	Felt evenly men and shocked houses	
		eMen		19	18.9	0.7	+75.0	-107.0	-0.4	-		
		F		21	8.9	-	-	-	-	-		
35	21. May	iP	13	44	7.9	-	-0.7	+1.0	-	40.8		
		eMen		44	15.0	0.5	-23.0	+13.0	-	-		
		F		45	20.0	-	-	-	-	-		
36	21. May	iP	17	41	55.6	0.7	-0.8	-1.0	-	54.1		
		eMen		42	2.4	0.7	-57.0	-40.0	-0.15	-		
		F		43	20.5	-	-	-	-	-		

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No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G.	M.	T.		A _E	A _N	A _Z		
			h.	m	s.	s	micron	micron	micron	km.	
37	3 rd June 1927	? epe	16	19	33.0	1.5	-1.0	-	-	4251.6	
		eSe		22	18.0	-	-2.0	-	-		
		eLe		25	33.0	-	-2.0	-	-		
		eMe		31	46.0	-	+29.0	-	-		
		F		41	3.0	-	-	-	-		
38	9 th June	? epe	13	16	38.0	-	?	-	-	72.7	
		eMe		16	50.8	-	-60.0	-	-		
		F		17	37.2	-	-	-	-		
39	17 th June	eSen	23	40	54.9	-	-2.0	+1.0	-	98.7	
		eLen		41	8.2	-	-	-5.0	-		
		eMer		41	10.2	-	+10.0	+17.0	-		
		F		41	32.9	-	-	-	-		
40	18 th June	ePs	11	27	49.0	-	-	-	-	445.2	
		eMe		28	53.8	-	+30.0	-	-		
		F		30	9.0	-	-	-	-		

End

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			G. M. C. T.				AE	AN	Az		
			h.	m	s.	s	micron	micron	micron	km.	
41	1. July	epe	12	21	57.6	-	+1.0	-	-	333.2	
		eSe		21	59.0	-	+5.0	-1.0	-		
		elen		22	22.5	-	-8.0	-5.0	-		
		eMen		22	29.3	-	+8.0	+11.0	-		
		F		22	56.0	-	-	-	-		
42	6. July	ePn	2	33	24.2	-	+0.5	-	-	61.2	
		eMen		33	31.4	-	-11.1	-15.5	-		
		F		34	9.3	-	-	-	-		
43	7. July	ePen	10	54	14.4	-	-1.0	+1.0	-	82.3	
		eMen		54	25.5	-	+26.5	-42.0	-		
		F		56	41.3	-	-	-	-		

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			G. M. C. T.				Ae	Aii	Az		
			h.	m	s.	s	micron	micron	micron	km.	
44	5. Aug	ePsen	21	41	38.5	-	-1.0	-1.0	-	284.5	
		elen		42	1.0	0.3	+2.8	-2.0	-		
		eMen		42	2.0	0.6	-1.4	+1.5	-		
		F		43	3.6	-	-	-	-		
45	6. Aug	ePsen	2	10	33.0	-	-	-	-	109.8	
		elen		10	47.8	-	+1.0	-2.0	-		
		eMen		10	50.0	-	+3.0	+4.0	-		
		F		11	28.8	-	-	-	-		
46	6. Aug	ePsen	6	15	14.6	1.1	-3.0	+2.0	-	407.7	
		elen		16	20.0	-	-5.2	+1.0	-		
		eMen		16	54.7	7.6	+32.7	-33.0	-		
		eGe		18	32.6	-	+16.8	-	-		
		eCre		20	7.3	8.2	-20.0	-	-		
		eCse		22	39.0	-	+15.8	-	-		
		F		31	39.0	-	-	-	-		
47	19. Aug	ePe	4	29	55.0	-	-1.0	-	-	1224.3	
		elen		32	40.0	-	+25.0	-	-		
		eMen		33	40.0	11.5	+31.8	-15.0	-		
		eMen		35	50.0	8.0	+41.5	-	-		
		eGe		37	10.0	10.0	+50.0	-	-		
		eCre		39	2.5	-	+10.0	-	-		
		F		49	2.5	-	-	-	-		
48	19. Aug	ePe	5	12	51.0	-	-	-	-	48.6	
		ePe		13	50.0	-	-10.0	-	-		
		F		17	50.0	-	-	-	-		
49	23. Aug	ePe?	15	33	9.4	-	-	-	-	667.8	
		eMen		34	37.7	-	+15.0	+6.0	-		
		eMen		36	51.6	7.4	+11.0	-	-		
		F		46	42.0	-	-	-	-		
50	23. Aug	ePn	20	23	24.4	0.6	-	+1.0	-	412.6	
		eSn		24	7.4	-	-	+2.0	-		
		eln		24	14.4	-	-	+2.0	-		
		eMn		24	22.6	-	-	+3.0	-		
		F		25	18.2	-	-	-	-		
51	31 Aug	ePe	1	41	21.5	-	-	-	-	-	
		M?		-	-	-	-	-	-		
		F		45	28.0	-	-	-	-		
52	31 Aug	ePsn	2	39	32.0	-	-	-	-	303.5	
		elen		40	12.9	-	+1.0	+2.0	-		
		eMen		40	25.0	5.5	-5.5	-5.0	-		
		F		41	14.6	-	-	-	-		

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No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			G. M. C. T.				AE	AN	Az		
			h.	m	s.	s	micron	micron	micron	km.	
53	5. Sep '27	ePn	1	9	48.3	-	-	+1.0	-	172.9	
		eLn		10	11.6	-	-	+1.8	-		
		eMn		10	15.6	7.0	-	-12.0	-		
		F		10	55.6	-	-	-	-		
54	11. Sep	ePn	15	55	0.0	-	-	-1.0	-	214.5	
		eMn		55	52.7	0.6	+10.0	-2.0	-		
		F		56	49.0	-	-	-	-		
⁵ 54	14. Sep	iPen	13	19	49.0	0.5	+4.2	-1.2	-	20.9	
		eMn		20	1.0	0.6	+8.0	-19.0	-		
		F		21	1.0	-	-	-	-		
56	30 Sep	ePe	19	4	30.0	-	-	-	-	115.8	
		eMe		4	48.3	-	-20.0	-	-		
		F		5	15.0	-	-	-	-		
57	30 Sep	ePe	23	3	7.0	-	-	-	-	126.8	
		eMe		3	25.3	-	-9.2	-	-		
		F		3	57.0	-	-	-	-		

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			G. M. C. T.				ΔE	ΔN	ΔZ		
			h.	m	s.	s	micron	micron	micron	km.	
58	1. Octo 1927	epe	8	53	26.0	-	-	-	-	108.4	
		eMe		53.4	43.2	-	-12.0	-	-		
		F		54	15.0	-	-	-	-		
59	1. Octo	epe	13	54	49.0	-	-0.5	-	-	49.7	
		eMen		54	57.3	0.7	-55.0	+41.0	-		
		F		55	57.3	-	-	-	-		
60	17. Octo	ePen	15	3	56.0	-	-	-	-	348.0	
		eMen		4	45.6	-	-6.2	+5.0	-		
		F		5	52.6	-	-	-	-		
61	17. Octo	ePen	15	13	57.8	-	-	-	-	328.7	
		eMen		14	27.4	-	-2.0	+4.0	-		
		F		15	28.0	-	-	-	-		
62	18. Octo	epe	21	45	56.2	-	-5.5	-	-	509.4	
		eMe		46	20.5	1.0	-10.0	-	-		
		F		47	25.7	-	-	-	-		
63	30. Octo	ePen	20	2	44.1	0.6	-14.0	-14.0	-	25.3	Felt evenly men and houses are shock with suddenly degree of the earthquake is moderate
		eMen		2	51.3	0.4	+317.0	+80.0	-		
		F		3	38.7	-	-	-	-		

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			G. M. C. T.				ΔE	ΔN	ΔZ		
			h.	m	s.	s	micron	micron	micron	km.	
64	25. Nov '27	ePen	5	39	43.6	-	?	+1.0	-	57.8	
		eMen		39	54.0	1.0	-200	-100	-		
		F		40	46.2	-	-	-	-		
65	27. Nov '27	ePe	15	20	3.5	-	?+2.0	-	-	81.6	
		eMe		20	16.0	-	-7.2	-	-		
		F		21	16.0	-	-	-	-		
66	27. Nov '27	ePe	22	19	00	-	?	-	-	84.6	
		eMe		19	12.5	-	-17.0	-	-		
		eCe		19	22.5	-	+2.0	-	-		
		F		19	53.8	-	-	-	-		

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			G. M. C. T.				AE	AN	Az		
			h.	m	s.		micron	micron	micron		
67	2. Dec '27	ePsen	15	55	38.0	0.7	-36.0	-1.2	-	178.1	
		eln		56	2.0	0.5	?	+18.0	-		
		eMen		56	8.0	1.0	+60.0	+80.0	-		
		F		57	28.0	-	-	-	-		
68	4. Dec '27	ePSe	12	54	8.3	1.0	+1.0	?	-	264.9	
		ele		54	44.0	-	+9.0	-10.0	-		
		eMen		54	49.7	1.0	+30.0	+21.0	-		
		F		56	9.7	-	-	-	-		
69	4. Dec '27	ePSen	21	19	39.2	-	?	?	-	259.7	
		eln		19	47.3	-	-9.0	+2.0	-		
		eMen		19	53.4	1.1	-10.0	-10.0	-		
		F		20	53.4	-	-	-	-		