

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		
	1928		h.	m	s.	s	micron	micron	micron	km.	
1	Feb. 20	iPsen	12	2	35.6	0.5	-1.5	-3.0	-	118.0	
		iMen		2	53.0	0.8	-22.0	-13.0	-		
		F		3	43.0	-	-	-	-		
2	" 22	ipe	1	27	28.0	-	-1.0	-	-	174.4	
		ise		27	48.5	0.5	-5.0	-	-		
		eMe		27	58.4	-	+9.0	-	-		
		F		28	43.4	-	-	-	-		
3	March 10	? P	3	31	10.9	-	?	?	-	3279.1	
		iLen		37	31.6	18.3	+5.0	+7.0	-		
		eMen		38	34.3	18.3	+7.0	+14.0	-		
		eMze		41	37.0	15.6	+11.0	?	-		
		iLen		44	23.9	-	± 3.0	± 5.0	-		
		F		47	45.0	-	-	-	-		
4	" 23	iPsen	5	15	57.5	-	-1.2	-3.1	-	63.0	
		iMen		16	7.5	0.5	-20.0	+28.0	-		
		F		17	7.5	-	-	-	-		
5	" 29	iPsen	14	7	36.3	1.7	? +1.2	+2.1	-	497.8	
		iMen		8	57.0	3.2	-43.0	+25.0	-		
		F		12	14.5	-	-	-	-		
6	April 12	epsen	3	10	48.3	-	-	-	-	201.0	
		iMen		11	18.1	+7.0	+9.1	-	-		
		F		12	18.1	-	-	-	-		
7	" 16	epen	22	42	6.5	-	-	-	-	338.4	
		iSen		42	57.7	-	+2.0	-2.5	-		
		iMen		42	54.5	1.0	-5.0	-7.0	-		
		F		43	54.5	-	-	-	-		
8	" 20	ipen	8	6	45.7	0.7	-2.0	-1.0	-	50.4	
		eMen		6	53.5	0.5	+6.0	+15.0	-		
		F		7	46.0	-	-	-	-		
9	" 26	epen	6	58	50.7	-	-1.0	-	-	123.9	
		iMen		59	11.7	2.5	+6.5	-7.1	-		
		F		7	0	5.0	-	-	-		

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.				A _E	A _N	A _Z					
			h.	m	s.	s	micron	micron	micron	km.				
9	26 Apr '28	ePen	6	58	50.0	-	-1.0	-	-	126.9				
		iMen		59	11.7	0.5	+6.5	-7.1	-					
		F	7	0	5.0	-	-	-	-					
10	27 May	iPen	18	52	35.0	1.5	+3.0	-1.0	-	1185.0				
		iLen		53	37.5	-	-30.0	+12.0	-					
		iMen		55	10.0	17.5	+665.0	-595.0	-					
		iMen		57	30.0	-	-115.0	+95.0	-					
		iPen	19	0	37.5	-	+40.0	+12.0	-					
		iCre		5	42.5	-	-15.0	-	-					
		F		13	27.5	-	-	-	-					
11	1 June	iPen	22	14	15.7	2.3	+3.0	+1.0	-	1789.9				
		eLen		17	7.9	-	+8.0	-	-					
		eMen		18	31.4	-	-35.0	-14.0	-					
		F		25	31.4	-	-	-	-					
12	3 June	iPe	18	43	30.0	1.0	-	?	-	556.5				
		iSe		43	52.5	1.0	-12.0	-	-					
		iLe		44	42.5	1.5	+62.0	-	-					
		eMpe		46	45.0	7.0	+815.0	-	-					
		iMre		48	12.5	7.0	-515.0	-	-					
		iCre		49	27.5	-	-20.0	-	-					
		iCre		51	2.5	-	-39.0	-	-					
		F		58	52.5	-	-	-	-					
		13	5 June	iPen	14	56	15.0	-	-		-	-	389.5	
				iSen		56	30.0	1.0	+3.0		-7.0	-		
iMen				57	27.5	2.0	-33.0	-27.0	-					
F				0	30.0	-	-	-	-					
14	17 June	ePen	14	50	50.6	-	-	-	-	72.7				
		iMen		51	8.4	0.3	+19.0	+37.0	-					
		F		52	26.0	-	-	-	-					
15	18 June	ePen	16	19	56.0	-	?	-	-	74.2				
		eMen		20	3.4	-	-	+12.2	-					
		F		20	20.1	-	-	-	-					
16	7 July	iPen	17	39	39.0	-	-5.0	+2.0	-	116.5				
		iLen		40	7.7	2.5	-11.2	-3.5	-					
		iMen		40	16.4	0.8	-69.2	+19.2	-					
		F		42	26.4	-	-	-	-					
17	9 July	iPen	13	3	57.0	-	-	-	-	116.5				
		iLen		3	49.0	-	-	-	-					
		iMen		3	51.0	2.3	+55.0	+65.0	-					
		F		4	59.0	-	-	-	-					
18	31 July	iPen	9	1	43.4	-	-	-	-	445.2				
		iMen		2	13.4	-	-5.0	+5.0	-					
		F		2	48.4	-	-	-	-					

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	AH	Az		
			h.	m	s.	s	micron	micron	micron	km.	
19	4. Aug '28	ePen	23	42	36.3	-	-	-	-	37.1	
		iMen		42	41.8	-	-5.2	+10.0	-		
		F		43	20.0	-	-	-	-		
20	22. aug	iPen	10	32	16.6	-	+6.2	+1.0	-	200.3	
		eMen		32	46.6	1.1	+50.0	+75.0	-		
		F		35	3.0	-	-	-	-		
21	22. aug	ePen	10	36	22.1	-	-	-	-	200.3	
		eMen		36	52.1	-	-2.0	-5.2	-		
		F		39	52.1	-	-	-	-		
22	28. aug	iPen	2	59	26.0	-	-5.8	+2.0	-	42.4	
		iMen		59	27.5	0.5	+16.0	+6.0	-		
		F	3	0	42.5	-	-	-	-		

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.				ΔE	ΔN	ΔZ		
			h.	m	s.	s	micron	micron	micron	km.	
23	4. Sep 1928	iP Sen	8	28	49.5	1.0	+4.0	-1.0	-	63.9	
		iMen		28	58.5	0.7	+35.0	-43.0	-		
		F		30	53.0	-	-	-	-		
24	6. Sep	iP Sen	1	40	29.3	-	-1.0	+4.2	-	32.1	
		iMen		48	33.5	0.3	-30.0	-35.0	-		
		F		49	17.7	-	-	-	-		
25	23. Sep	ePen	11	8	58.0	-	-	-	-	111.3	
		iMen		8	46.2	0.5	+15.0	+19.0	-		
		F		9	57.0	-	-	-	-		
26	25. Sep	iPen ? M	13	58	56.6	-	-540.0	+120.0	-	96.5	Felt every man rather strong
27	28. Sep	? ePen	17	6	13.7	-	-	-	-	73.5	
		iMen		6	28.7	0.6	-6.0	-9.0	-		
		F		7	1.7	-	-	-	-		
28	10. Oct 1928	eP Sen	7	43	14.3	-	-	-	-	323.6	
		eMen		43	57.9	0.7	± 6.2	+5.0	-		
		F		44	57.9	-	-	-	-		
29	12. Oct	iP Sen	21	24	46.5	-	+1.0	?	-	92.7	
		iMen		24	51.5	0.3	-43.0	+43.0	-		
		F		26	30.3	-	-	-	-		
30	12. Oct	ePen	21	33	28.7	-	-	-	-	171.7	
		eMen		33	50.5	-	-3.0	-3.0?	-		
		F		34	9.5	-	-	-	-		
31	12. Oct	ePen	22	9	6.0	-	-	-	-	171.7	
		eMen		9	27.8	-	-4.0	-3.0	-		
		F		9	57.8	-	-	-	-		
32	12. Oct	? p	-	-	-	-	-	-	-	?	
		eMen	15	55	22.5	-	-12.0	-7.0	-		
		F		55	33.0	-	-	-	-		
33	17. Oct	ePen	7	25	21.1	-	-	-	-	89.0	
		eMen		25	33.1	-	-	+0.5	-		
		F		25	50.6	-	-	-	-		
34	20. Oct	ePn	21	47	58.8	-	-	-0.3	-	575.8	
		iSn		48	58.8	-	-	+15.0	-		
		iLn		49	20.7	-	-60.0	+30.0	-		
		iMen		49	41.3	1.8	-310.0	+120.0	-		
		F		53	9.5	-	-	-	-		
35	21. Oct	eP Sen	22	37	9.0	-	-	-	-	89.0	
		eMen		37	21.4	0.7	+5.0	+3.0	-		
		F		37	41.0	-	-	-	-		
36	24. Oct	ePn	12	38	2.5	0.5	-	0.5	-	62.4	
		eMn		38	13.0	0.7	-	-48.0	-		
		F		39	9.5	-	-	-	-		

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.	
37	5. nov 1928	iPen	13	41	30.0	-	-2.0	-3.4	-	210.0	
		iSen		41	33.3	-	-17.0	-18.0	-		
		iMen		41	58.3	-	-14.0	+13.0	-		
		F		43	21.5	-	-	-	-		
38	15 nov 1928	ePen	22	44	44.8	-	-	-	-	47.2	
		iMen		44	50.5	-	-14.0	+9.0	-		
		F		45	22.0	-	-	-	-		
39	24 nov 1928	iPen	2	48	26.5	0.7	-	-2.0	-	111.3	
		iLn		48	41.5	0.7	-	-70.0	-		
		iMen		48	52.2	0.7	+110.0	+130.0	-		
		F		51	11.5	-	-	-	-		
40	2. Dec 1928	iPen	2	2	29.0	-	-1.4	-1.0	-	50.4	
		iMen		2	36.3	0.5	-20.0	+24.0	-		
		F		3	16.0	-	-	-	-		
41	2 Dec 1928	iPen	7	49	28.5	-	-	-	-	50.4	
		iMe		49	35.8	-	+15.0	-	-		
		F		50	17.5	-	-	-	-		
42	18. Dec 1928	ePen	15	54	54.5	-	+30	?	-	384.2	
		iMen		55	32.8	-	+60	+62	-		
		F		56	100	-	-	-	-		
43	19 dec 1928	ePen	20	51	8.0	-	-	-	-	1772.4	
		eLn		54	38.0	-	-4.0	+9.0	-		
		iMen		56	44.6	20.6	-10.0	+10.0	-		
		iMen	21	1	35.0	20.6	+5.0	+8.0	-		
44	22 Dec 1928	iPen	4	35	52.1	-	-	-2.0	-	202.5	
		eMen		36	19.4	-	+3.0	+3.0	-		
		F		37	8.5	-	-	-	-		
45	22 Dec 1928	iPen	8	18	19.2	-	-3.0	-2.0	-	165.4	
		iSen		18	24.0	-	+10.0	-9.0	-		
		iMen		18	46.6	1.0	-10.0	-19.0	-		
		F		19	52.0	-	-	-	-		

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 1928	Phase	Time			Period	Amplitude			Δ km.	Remarks
			G. M. C. T.				ΔE	ΔN	Δz		
			h.	m	s.	s	micron	micron	micron		
1	Feb. 20	iPsen	12	2	35.6	0.5	-1.5	-3.0	-	118.0	
		iMen		2	53.0	0.8	-22.00	-13.00	-		
		F		3	43.0	-	-	-	-		
2	" 22	ipe	1	27	28.0	-	-1.0	-	-	174.4	
		ise		27	48.5	0.5	-5.0	-	-		
		eme		27	58.4	-	+9.0	-	-		
		F		28	43.4	-	-	-	-		
3	March 10	? p	3	31	10.9	-	?	?	-	327.1	
		iLen		37	31.6	18.3	+5.0	+7.0	-		
		eMen		38	34.3	18.3	+7.0	+14.0	-		
		eMze		41	37.0	15.6	+11.0	?	-		
		iCen		44	23.9	-	± 3.0	± 5.0	-		
		F		47	45.0	-	-	-	-		
4	" 23	iPsen	5	15	57.5	-	-1.2	-3.1	-	63.0	
		iMen		16	7.5	0.5	-2.00	+28.0	-		
		F		17	7.5	-	-	-	-		
5	" 29	iPsen	14	7	36.3	1.7	+1.2	+2.1	-	497.8	
		iMen		8	57.0	3.2	-43.00	+25.00	-		
		F		12	14.5	-	-	-	-		
6	April 12	ePsen	3	10	48.3	-	-	-	-	201.0	
		iMen		11	18.1	+7.0	+9.1	-	-		
		F		12	18.1	-	-	-	-		
7	" 16	open	22	42	6.5	-	-	-	-	338.4	
		iSen		42	57.7	-	+2.0	-2.5	-		
		iMen		42	54.5	1.0	-5.0	-7.0	-		
		F		43	54.5	-	-	-	-		
8	" 20	iPen	8	6	45.7	0.7	-2.0	-1.0	-	50.4	
		eMen		6	53.5	0.5	+6.00	+5.0	-		
		F		7	46.0	-	-	-	-		
9	" 26	open	6	58	50.7	-	-1.0	-	-	123.9	
		iMen		59	11.7	2.5	+6.5	-7.1	-		
		F		7	0	5.0	-	-	-		

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.	
9	26, apr 28	epen	6	58	50.0	-	-1.0	-	-	126.9	
		iSen		59	11.7	0.5	+6.5	-7.1	-		
		F	7	0	5.0	-	-	-	-		
10	27 May	iSen	18	52	35.0	1.5	+3.0	-1.0	-	1185.0	
		iSen		53	37.5	-	-30.0	-12.0	-		
		iMen		55	10.0	17.5	+665.0	-545.0	-		
		iMen		57	30.0	-	+115.0	+45.0	-		
		iSen	19	0	37.5	-	+40.0	+12.0	-		
		iSen		5	42.5	-	-15.0	-	-		
		F		13	27.5	-	-	-	-		
11	1 June	iSen	22	14	15.7	2.3	+3.0	+1.0	-	1789.9	
		eSen		17	7.9	-	+2.0	-	-		
		iMen		18	31.4	-	-35.0	-14.0	-		
		F		25	31.4	-	-	-	-		
12	3 June	iSen	18	43	30.0	1.0	-	?	-	556.5	
		iSen		43	52.5	1.0	-12.0	-	-		
		iSen		44	42.5	1.5	+62.0	-	-		
		iMen		46	45.0	7.0	+815.0	-	-		
		iMen		48	12.5	-	-	-	-		
		iSen		49	27.5	7.0	-515.0	-	-		
		iSen		51	2.5	-	-20.0	-	-		
		F		58	52.5	-	-34.0	-	-		
13	5 June	epen	14	56	15.0	-	-	-	-	389.5	
		iSen		56	30.0	1.0	+3.0	-1.0	-		
		iMen		57	27.5	2.0	-33.0	-27.0	-		
		F		0	30.0	-	-	-	-		
14	17 June	epen	14	50	54.6	-	-	-	-	72.7	
		iMen		51	4.4	0.3	+19.0	+57.0	-		
		F		52	26.0	-	-	-	-		
15	18 June	epen	16	19	56.0	-	-	-	-	74.2	
		iMen		20	3.4	-	-	+12.2	-		
		F		20	20.1	-	-	-	-		
16	7 July	iSen	17	39	54.0	-	-5.0	+2.0	-	116.5	
		iSen		40	9.7	0.5	-11.2	+5.5	-		
		iMen		40	16.4	0.8	-60.2	+19.2	-		
		F		42	26.4	-	-	-	-		
17	9 July	iSen	13	3	37.0	-	-	-	-	116.5	
		iSen		3	49.0	-	-	-	-		
		iMen		3	51.0	2.3	+55.0	+65.0	-		
		F		4	59.0	-	-	-	-		
18	31 July	epen	9	1	43.4	-	-	-	-	440.2	
		iMen		2	13.4	-	-5.0	+5.0	-		
		F		2	45.4	-	-	-	-		

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—8.9s]

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.				A _E	A _N	A _Z		
			h.	m	s.	s	micron	micron	micron	km.	
19	4. Aug '28	ePen	23	42	56.3	-	-	-	-	57.1	
		iMen		42	41.8	-	-15.2	+10.0	-		
		F		43	20.0	-	-	-	-		
20	22. Aug	iPen	10	52	16.6	-	+6.2	+1.0	-	209.3	
		eMen		52	46.6	1.1	+50.0	+75.0	-		
		F		55	3.0	-	-	-	-		
21	22. Aug	ePen	10	56	22.1	-	-	-	-	209.3	
		eMen		56	52.1	-	-2.0	-5.2	-		
		F		59	52.1	-	-	-	-		
22	28. Aug	iPen	2	59	26.0	-	-5.8	+2.0	-	42.4	
		iMen		59	27.5	0.5	+16.0	+6.0	-		
		F		3	0	42.5	-	-	-		-

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.	
23	4. Sep 1928	iP Sen	8	28	49.5	1.0	+4.0	-1.0	-	63.9	
		iMen		28	58.5	0.7	+35.0	-42.0	-		
		F		30	53.0	-	-	-	-		
24	6 Sep	iP Sen	1	48	29.3	-	-1.0	+4.2	-	32.1	
		iMen		48	33.5	0.3	-30.0	-55.0	-		
		F		49	17.7	-	-	-	-		
25	23. Sep	ePen	11	8	38.0	-	-	-	-	111.3	
		iMen		8	46.2	0.5	+15.0	+19.0	-		
		F		9	57.0	-	-	-	-		
26	25. Sep	iPen	13	58	56.6	-	-340.0	+128.0	-	96.5	Felt every men rather strong
		?M									
27	28. Sep	? ePen	17	6	13.7	-	-	-	-	73.5	
		iMen		7	28.7	0.6	-6.0	-9.0	-		
		F		7	1.7	-	-	-	-		
28	10. Oct 1928	eP Sen	7	43	14.3	-	-	-	-	323.6	
		eMen		43	57.9	0.7	+6.2	+5.0	-		
		F		44	57.9	-	-	-	-		
29	12. Oct	iP Se	21	24	46.5	-	+1.0	?	-	92.7	
		iMen		24	51.5	0.3	-40.0	+40.0	-		
		F		26	50.3	-	-	-	-		
30	12. Oct	ePen	21	33	28.7	-	-	-	-	171.7	
		eMen		33	50.5	-	-3.0	-3.0?	-		
		F		34	9.5	-	-	-	-		
31	12. Oct	ePen	22	9	6.0	-	-	-	-	171.7	
		eMen		9	47.8	-	-4.0	-3.0	-		
		F		9	57.8	-	-	-	-		
32	12. Oct	? P	15	-	-	-	-	-	-	?	
		eMen		55	22.5	-	-12.0	-7.0	-		
		F		55	33.0	-	-	-	-		
33	17. Oct	ePen	7	25	21.1	-	-	-	-	89.0	
		eMen		25	33.1	-	-	+0.5	-		
		F		25	50.6	-	-	-	-		
34	20. Oct	ePn	21	47	58.8	-	-	-0.3	-	575.8	
		i Sn		48	58.8	-	-	+15.0	-		
		i Len		49	20.7	-	-6.0	+30.0	-		
		i Men		49	41.3	1.8	-31.0	+120.0	-		
		F		53	9.5	-	-	-	-		
35	21. Oct	eP Sen	22	37	9.0	-	-	-	-	89.0	
		eMen		37	21.4	0.7	+5.0	+3.0	-		
		F		37	41.0	-	-	-	-		
36	24. Oct	ePn	12	38	2.5	0.5	-	-0.5	-	62.4	
		eMen		38	13.0	0.7	-	-88.0	-		
		F		39	9.5	-	-	-	-		

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—8.08]

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.	
37	5. nov 1928	iPen	13	41	20.0	-	-2.0	-3.4	-	210.0	
		iSen		41	33.3	-	-17.0	-18.0	-		
		iMen		41	58.3	-	-14.0	+13.0	-		
		F		43	26.5	-	-	-	-		
38	15 nov 1928	ePen	22	44	44.8	-	-	-	-	47.2	
		iMen		44	50.5	-	-14.0	+9.0	-		
		F		45	22.0	-	-	-	-		
39	24 nov 1928	iPen	2	48	26.5	0.7	-	-2.0	-	111.3	
		iLn		48	41.5	0.7	-	-70.0	-		
		iMen		48	33.2	0.7	+110.0	+130.0	-		
		F		51	11.5	-	-	-	-		
40	2. Dec 1928	iPen	2	2	29.0	-	-1.4	-1.0	-	50.4	
		iMen		2	36.3	0.5	-20.0	+24.0	-		
		F		3	16.0	-	-	-	-		
41	2. Dec 1928	iPen	7	49	28.5	-	-	-	-	50.4	
		iMe		49	35.8	-	+15.0	-	-		
		F		50	17.5	-	-	-	-		
42	18. Dec 1928	ePen	15	54	54.5	-	+30	?	-	384.2	
		iMen		55	32.8	-	+6.0	+6.2	-		
		F		56	10.0	-	-	-	-		
43	19. Dec 1928	ePen	20	51	8.0	-	-	-	-	1772.4	
		iLn		54	38.0	-	-	-	-		
		iMen		56	44.6	20.6	-4.0	+9.0	-		
		iMen		21	1	35.0	20.6	-10.0	+10.0		-
44	22. Dec 1928	F	21	11	20.9	-	+5.0	+8.0	-		
		iPen		4	35	52.1	-	-	-2.0	-	202.5
		eMen		36	19.4	-	+3.0	+3.0	-		
45	22 Dec 1928	F	8	37	8.5	-	-	-	-		
		iPen		18	19.2	-	-3.0	-2.0	-	165.4	
		iSen		18	24.0	-	+10.0	-9.0	-		
		iMen		18	46.6	1.0	-10.0	-19.0	-		
F	19	52.0	-	-	-	-					