

No. 42.

December, 1933.



M A N I L A , P . I .

$\phi=14^{\circ} 34' 42''$ N.

$\lambda=120^{\circ} 58' 41''$ E.

$h=2.40$ m.

Alluvium.

Galitzin-Wilip.

Wiechert. $M=1000$ Kg.

December 1, 1933.

	T_0	D	T_1		μ^2	K
N-S	12.4	100.5	12.6	11.5	0.017	97
E-W	11.8	100.5	11.9	11.4	-0.075	80
Z	11.6	100.5	9.0	14.8	1.250	200

	T_0	V	ϵ	$\frac{r}{T_0^2}$
N-S	4.4	193	2.3	0.032
E-W	4.8	204	2.7	0.034

No. and Date	Phase.	Greenwich Time h. m. s.	Dist. Km.	Remarks.
1933 December				
No. 787 1st	PNEZ SN F	10 36 32 10 44 00 10 56	5910	Deep focus according to Riverview.
No. 788 2nd	iPNZ ePE iSNEZ MNE F	5 28 57 5 28 57 5 38 40 5 59 ca 7 00	8270	Dilatation.
No. 789 2nd	iPNEZ iSNE F	8 44 36 8 45 45 9 40	610	Compression. Felt at Basco, Batan Is. With intensity VII. After P data from the Wiechert. $20^{\circ} 20' N$; $121^{\circ} 55' E$ by Taihoku, Hong Kong, Manila, Osaka.
No. 790 2nd	P'NEZ F	20 24 00ca 23 00		Long distance. Other phases very difficult.
No. 794 4th	iPNEZ iSNEZ iLNE F	19 40 39 19 46 01 19 50 00ca 21 10	3765	Dilatation. Probably from NE. La Perouse Strait, according to Chiufeng.
No. 802 8th	PNEZ SNE LNE MNE F	17 03 07 17 05 07 17 06 11 17 07 10ca 17 15	1155	
No. 807 11th	eNEZ F	11 20 02 11 35		

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

M A N I L A , P . I .

No. and Date	Phase.	Greenwich Time h. m. s.	Dist. Km.	Remarks
1933				
December				
No. 808 12th	iPZ	14 18 23	3145?	Dilatation. 5°S; 153°E by Riverview, Manila, Chiufeng, Adelaide, Perth, as on January 18, 1930. Data after P from the Wiechert.
	ePNE	14 18 23		
	S?NE	14 23 05		
	MNE	14 27 40ca		
	F	16 10		
No. 809 13th	eE	21 42 46	13880	Interpretation by Macelwane's New Tables. Disturbed by microseisms.
	PR ₁	21 44 26		
	PSE	21 54 35		
	LE	22 22 ca		
	F	23 55		
No. 811 14th	eNE	19 02 21		Disturbed by microseisms.
	F	19 22		
No. 812 14th	P?NE	19 27 45	1935?	Disturbed by microseisms.
	S?NE	19 31 01		
	F	19 49		
No. 813 17th	PNEZ	18 21 05	660	Disturbed by microseisms.
	SNE	18 22 19		
	F	18 42		
No. 814 18th	PNE	20 41 32	960?	Disturbed by Microseisms. Butuan, 225 Km.
	S?NE	20 43 14		
	F	21 11		
No. 816 19th	PE	14 28 48	800	Disturbed by microseisms. Probably near 10°N; 126° 30'E by Butuan and Manila.
	SN	14 30 17		
	F	14 48		
No. 819 22nd	PNE	17 57 20	370	Disturbed by microseisms.
	SNE	17 58 07		
	F	18 12		
No. 820 22nd	PNEZ	19 42 37	395	Disturbed by microseisms.
	SNE	19 43 26		
	F	19 54		
No. 822 24th	ePNEZ	10 52 20	3820	
	PR ₂ N	10 53 48		
	iE	10 55 15		
	SNE	10 57 45		
	LE	11 02 15ca		
	F	12 20		

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No. and Date	Phase.	Greenwich Time h. m. s.	Dist. Km.	Remarks.
1933				
December				
No. 825 27th	PNEZ	10 51 03	880	9°N; 126° 40'E by Butuan and Manila.
	SNEZ	10 52 37		
	F	11 15		
No. 829 27th	ePNEZ	16 40 10	980	
	SNE	16 41 54		
	mN	16 43 ca		
	F	17 00		
No. 830 29th	ePNEZ	9 50 57	240	
	SNEZ	9 51 30		
	F	10 01		
No. 831 30th	ePNEZ	5 31 02	2070	
	SNE	5 34 28		
	LNE	5 36 30		
	F	6 13		
No. 832 30th	ePNEZ	8 48 13	1455	
	SNE	8 50 44		
	MNE	8 53 00ca		
	F	9 22		

Twenty-five insignificant or undecipherable disturbances on the following days of December: 3rd(2), 4th, 5th, 6th(2), 7th, 8th(3), 9th(2), 10th(2), 14th, 19th, 21st(2), 23rd, 26th(2), 27th(3), and 30th.