

M A N I L A , P . I .

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.

 $\phi=14^{\circ} 34' 42''$ N. $=120^{\circ} 58' 41''$ E.

h=3 m.

Alluvium

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INSTRUMENTS.

Galitzin-Wilip, three components.

Wiechert Inverted Pendulums, 955 Kg.

Horizontal Pendulums, two components, 118 Kg. each.

Data taken from the Galitzin-Wilips
unless otherwise stated.

No.	Date	Phase.	Greenwich Time			Dist. Km.	Remarks.
			h.	m.	s.		
	Dec. 1940						
660	2nd	ePNEZ iSN eSEZ F	3	18	01 20 20 21	150	Slightly felt at Baguio.
663	3rd	PNEZ SNE F	6	35	22 37 39 7 50	1,255	Disturbed by microseisms.
665	4th	iPNZ iE iN iSNEZ F	13	10	26 11 47 13 13 14 21 14 40	2,365	Dilatation?
669	11th	ePNEZ SNEZ F	13	55	15 30 57	115	Small.
675	15th	iPEZ ePN iSNEZ F	10	15	26 26 16 00 26	240	
676	15th	PNEZ SNE F	14	47	50 48 26 55	255	
678	17th	iPZ PNE SNE F	14	47	15 15 51 33 15 56	2,790	S from the Wiechert. Disturbed by microseisms.
679	18th	iPZ ePE ePN iSNEZ F	5	36	51 51 52 40 52 6 21	2,545	Compression. Deep focus.
680	19th	ePZ eP?NE iSNEZ iMN F	15	49	55 55 52 29 55 20 16 45	1,490	

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No.	Date	Phase.	Greenwich Time			Dist. Km.	Remarks.
			h.	m.	s.		
681	Dec. 1940 22nd	PNZ	12	42	41	7,400	
		ePE			42		
		iSN		51	37		
		LNE	13	03	57ca		
		MN		08	50ca		
		F	14	38			
682	22nd	iPZ	19	19	37	3,360	
		ePE			37		
		SEZ		24	33		
		iZ			43		
		iE		25	46		
		iZ		26	00		
		F	20	35			
687	28th	iPZ	16	43	12	2,695	Compression. Guam, 4°.
		ePNE			12		
		iE		44	06		
		iE			22		
		iE		45	44		
		S?NE		47	53		
		F	20	15			
688	28th	PNEZ	21	51	26	1,290	
		SNE		53	40		
		F	22	10			
689	29th	ePNEZ	2	03	29	1,290	
		iSNE		05	43		
		F		21			
692	30th	PNE	12	51	33	2,610	
		SNE		55	38		
		LN		58	ca		
		MN	13	00	38ca		
		F		40			
693	31st	ePNEZ	20	46	39	3,530	
		SN		50	39		
		LN		52	57		
		F	21	40			

Eighteen insignificant or undecipherable disturbances on the following days of December: 3rd(3), 6th, 7th, 8th, 12th(2), 13th, 14th(2), 16th, 24th(2), 26th, 27th, and 29th(2),