

M A N I L A , P . I .

## SEISMOLOGICAL BULLETIN OF THE OBSERVATORY

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

h=3 m.

Alluvium

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## INSTRUMENTS

Galitzin-Wilip, three components.

Wiechert Inverted Pendulum, 955 Kg.

Horizontal Pendulums, two components, 118 Kg. each.

Data taken from the Galitzin-Wilip, unless otherwise stated.

No.	Date	Phase.	Greenwich Time h. m. s.	Dist. Km.	Remarks.
	Sep. 1941				
544	1	iPZ ePNE SEZ LNE F	23 19 12 16 23 55 27 11ca 57	3000	Dilatation.
545	2	ePNEZ SNE F	5 10 37 11 53 22	490	Felt at Aparri and Calayan.
546	2	iPZ ePNE SNE F	20 24 31 31 26 22 40	1060	Felt at Dapa.
547	4	iPEZ iPN SNE? LE F	10 28 56 29 07 33 21? 35 48 13 10	2920?	Dilatation(?) Data after P from the Wiechert.
548	5	iPZ ePNE iN iZ iSEZ F	15 51 48 48 52 28 53 41 55 00 16 20	1900	Compression.
552	7	iPZ ePE iSN iSE LNE MN F	7 20 45 45 25 55 58 29 11 32 22 53	3580	Compression.

Ref 2882

Sept '41

## SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.--Continued.

No.	Date	Phase.	Greenwich Time h. m. s.	Dist. Km.	Remarks.
	Sep. 1941				
554	8	iPZ ePN ePE SNEZ F	2 56 38 39 40 52 3 04	110	Compression. Felt very slightly in Manila.
557	9	iPZ iPE iPN iN iE SNE LE ME F	7 27 16 17 18 29 34 50 32 54 37 45ca 40 17ca 10 10	4030	Compression from SE. Data after P from the Wiechert. Region of 6°S: 152°E by USCGS.
558	9	iPZ ePNE iSNE F	16 03 46 48 04 08 11	175	
561	10	iPZ ePN ePE SNEZ F	22 05 17 17 18 14 39 23 50	7860	Dilatation.
563	12	ePNEZ SNZ MN F	2 25 45 28 22 31 05ca 3 15	1510	
564	12	iPEZ ePN iN SNE LN F	7 06 24 24 07 35 09 57 12 10ca 9 10	2090	Compression from SE.
567	13	iPZ ePNE SNE F	0 04 54 54 08 25 53	2120	
568	13	iPZ SE F	3 29 34 33 12 4 25	2210	Compression.
572	14	ePNE SNE iN LNE F	4 13 03 16 51 18 02 19 36ca 6 08	2280	



MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY,--Continued.

No.	Date	Phase.	Greenwich Time			Dist. Km.	Remarks.
			h.	m.	s.		
	Sep. 1941						
573	14	iPN ePE SE LN MNE F	13	37	44 44 42 14 45 06ca 47 32ca 14 42	2970	
577	16	ePNZ ePE SNE LNE ME	21	50	38 39 22 00 22 14 30ca 21 00ca	8310	Compression.
	17	F	0	40			
578	17	iPNEZ iN SNE F	6	51	25 52 29 54 12 8 30	1580	Compression from SE S from the Wiechert.
580	18	iPZ PNE SNEZ F	2	09	26 28 13 22 3 50	2470	Compression.
581	18	iPZ PE iE SNE LE F	13	34	09 11 37 56 41 53 51 16ca 15 30	6170	Dilatation. <i>Correction</i>
							iP <sub>1</sub> 'NEZ 13 34 09 P <sub>2</sub> 'Z 35 09 LNE 14 32 ca Dist- 18480 km
582	18	iPZ SNE F	18	29	56 40 09 19 32	8910	
583	20	iPZ SNEZ F	15	09	12 10 32 26	510	Dilatation.
585	21	iPZ ePNE SNEZ F	2	52	02 02 24 3 05	175	Dilatation.
586	21	ePNEZ SNEZ F	3	23	57 24 17 30	160	
590	21	PNEZ SNE F	6	22	36 24 56 52	1290	

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No.	Date	Phase.	Greenwich Time h. m. s.	Dist. Km.	Remarks.
	Sep. 1941				
594	21	iPEZ iPN SNE	23 43 46 47 47 28	2260	Compression(?)
	22	F	0 38		
595	24	iPEZ iPN iE SNE MNE F	1 09 52 53 13 12 16 31 27 20ca 3 20	5040	
598	24	ePEZ SN F	18 31 08 35 28 19 22	2820	
602	25	iFZ ePNE SNE LE F	18 00 46 46 10 55 26 30ca 19 22	8955	Compression(?)
603	26	iPZ ePNE SE F	7 12 57 13 05 17 16 8 25	2810	
604	26	ePNEZ SNEZ F	12 09 23 39 15	125	Felt at Naujan, Mindoro.
605	28	iPNEZ SNE F	9 58 29 48 10 50	145	Dilatation, S from the Wiechert. 14° 40'N: 119° 40'E, h=100 Km. by Manila, Tagaytay and Baguio. Felt on Corregidor Island and slightly in Manila.
607	29	P?NEZ SNE F	11 07 30 11 35 28	2610?	Disturbed by microseisms.
608	29	P?NEZ SNE F	17 24 04 27 36 18 15	2130?	Disturbed by microseisms.
610	30	PNEZ SNEZ F	11 05 21 43 15	175	Felt at Palanan.

Thirty-two insignificant or undecipherable disturbances on the following days of September: 5th(3), 7th, 8th(2), 10th(2), 12th(3), 13th(2), 14th, 15th, 16th, 17th, 20th, 21st(6), 24th(2), 25th(3), 29th, and 30th(2).