

MANILA, P. I.

SEISMOLOGICAL BULLETIN OF THE OBSERVATORY



International  
Seismological  
Centre

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

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

h=3 m.

Alluvium

CONSTANTS OF THE  
GALITZIN-WILIP

	$T_1$	T
N-S	12.6	12.9
E-W	11.8	11.9
Z	11.6	9.0

CONSTANTS OF THE WIECHERT  
INVERTED PENDULUM. M=955 Kg.

July 1, 1940.

	$T_0$	V	$\epsilon$	$\frac{I}{T_0^2}$
N-S	4.4	197	2.4	0.083
E-W	4.2	242	2.8	0.100

No.	Date	Phase.	Greenwich Time h. m. s.	Dist. Km.	Remarks
	July 1940				
366	1st	iPNEZ SNEZ F	5 55 40 56 00 6 03	160	Felt at Iba (II) and in Manila (II).
370	4th	ePZ eP?NE SN MNE F	6 09 41 41 12 10 15 30ca 54	1,430	Disturbed by microseisms.
373	10th	iPNZ ePE iSNEZ iN iE F	5 55 31 31 6 00 05 04 25 05 05 41	3,030	Dilatation. Region $45^{\circ}$ N: $128^{\circ}$ E by USCGS.
375	13th	P <sub>1</sub> EZ SKS SSN LNE F	17 07 18 14 09 30 00 59 ca 19 10	16,420	$7.1^{\circ}$ N: $83^{\circ}$ W by USCGS. H=16:47:30 GMT.
376	14th	iPNEZ iSNE LNE MNE F	6 02 47 10 52 20 25ca 26 ca 9 25	6,435	Dilatation from NE(?). $52^{\circ}$ N: $178^{\circ}$ E by USCGS.
379	15th	iPZ ePNE iSN LN F	8 49 51 51 54 55 58 40ca 10 02	3,480	Compression(?)
380	15th	ePNEZ SNE F	16 35 28 39 28 17 10	2,530	Deep focus.
381	15th	eINEZ iSNE F	19 54 04 55 49 20 20	980	
382	16th	iPZ iSN F	4 51 02 56 03 6 15	3,440	



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



No.	Date	Phase.	Greenwich Time			Dist. Km.	Remarks.
			h.	m.	s.		
	July 1940						
384	16th	ePNEZ SNE LNE F	19 24 28 20	19 28 20ca 40	19 28 20ca 40	3,570	
385	16th 17th	ePNEZ SNE F	23 28 0	20 23 46	28 23 46	6,350	
390	18th	ePNEZ SNE F	17 27 48	25 27 48	24 27 48	1,180	#389 still recording.
391	18th	iPZ ePNE SNEZ F	20 25 21	23 40 02 34	40 40 02 34	740	Felt at Dapa (IV).
392	19th	iPZ ePNE SNE LNE F	4 5 12 6	57 13 05 20ca 00	13 13 06 20ca 00	6,330	54°N: 173°E by USCGS.
393	19th	ePNEZ SNEZ F	20 21	58 04	39 49	75	
394	20th	PNEZ SN LNE MNE F	2 13 22 29 3	05 17 45ca ca 35	21 17 45ca ca 35	6,390	Disturbed by microseisms.
395	20th	ePNEZ SNEZ F	10 11	55 11	05 00 11	1,690	Disturbed by microseisms.
397	21st	ePNEZ S?E F	5 6	25 05	41 41 05	5,420?	
398	21st	iPNEZ iSNEZ F	15 17	41 35	26 58 35	1,460	Dilatation from S by E. Felt at Jolo (IV), and at Zamboanga (II).
400	23rd	ePNEZ SNEZ F	2 3	47 38	51 35 38	2,235	
402	23rd	ePNEZ SNE F	9 22 40	20 18 40	53 18 40	770	Felt at Dapa (IV).



## M A N I L A , P . I .

## SEISMOLOGICAL BULLETIN OF THE OBSERVATORY.—Continued.

No.	Date	Phase.	Greenwich Time h. m. s.	Dist. Km.	Remarks
	July 1940				
403	23rd	iPZ ePNE SN F	17 45 17 17 47 36 18 18	1,340	Dilatation.
408	25th	iPZ ePNE iSNE F	5 13 29 30 46 20	135	
410	27th	eP'NEZ iNE F	13 51 11? 55 28 15 55		Long distance. Disturbed by mi- croseisms.
412	30th	eP'NEZ MNE F	0 29 33? 1 00 00ca 47		Long distance.
414	31st	iPZ ePNE eSNE iNE F	11 46 28 28 52 06 56 50ca 12 32	4,030	Dilatation(?).

Twenty-five insignificant or undecipherable disturbances on the following days of July: 2nd(3), 6th, 8th, 11th, 14th(2), 16th, 17th(3), 18th, 20th, 21st, 23rd(2), 24th(3), 26th, 29th, 30th, and 31st(2).