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MAY 6 1955
COAST & GEODETIC SURVEY
1955 MAY 6 AM 9:28

REPUBLIC OF THE PHILIPPINES
Department of Commerce and Industry
GEOPHYSICAL DIVISION
WEATHER BUREAU
Manila

International Seismological Centre

NO. 73

JANUARY 1955

ϕ = 14° 40' N

λ = 121° 05' E

h = 70.4 m. Tuff

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work). Sprengnether seismometers, Series D-H ; one E-W horizontal component and one vertical component ; Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

*** 1 Loukes-Omori horizontal seismograph located at 9° 15' N ; 125° 36' E Mambajao, Camiguin del Sur, Misamis Oriental. Magnification = 200.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 JAN						
1	2	iPNEZ iSNE	02	14 18	52 48	2,550 or 23°	Very small.
2	3	e	19	35	24		Very small; teleseismic.
3	4	ePEZ eSEZ	02	24 25	44 18	300	Very small.
4	4	iPZ eSZ	07	42 42	17 48	275	Very small.
5	5	iPNEZ ePR_2 eSNE	01	01 06 11	55 42 29	8,150 or 73.4°	Small.
6	5	iPNEZ ePR_1 eSZ	17 18	58 00 05	13 04 17	5,550 or 50°	Small. Horizontals masked by large microseisms.
7	5	e	23	53	xx		Tail end of a teleseismic quake. P was not recorded because this quake occurred just when paper was being changed.
8	7	e	09	53	51		Very small; teleseismic.
9	8	iPNEZ ePR_1 eSNE	07	42 44 50	50 34 04	5,700 or 51.3°	Small.
10	8	e	09	05	49		Very small; teleseismic.
11	8	iPNEZ iSNEZ	13	13 13	12 46	300	Small.
12	9	e	07	30	27		Very small; local.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 JAN						
13	9	e	07	56	08		Very small; teleseismic.
14	9	ePNEZ	10	19	44	990	Very small.
		eSNE		21	45		
15	10	ePZ	10	38	32	320	Very small.
		eSZ		39	08		
16	13	iPZ	02	14	40	7,550	Small.
		ePR_1		17	28	or 67.9°	
		eSE		23	32		
17	15	e	06	31	56		Very small; local.
***	16	iP	09	52	36	190	Small.
		iS		52	58		
***	17	iP	12	54	11	335	Small.
		iS		54	49		
18	17	e	17	54	58		Very small; teleseismic.
***	19	iP	03	42	17	325	Small.
		iS		42	54		
***	19	iP	23	27	10	190	Small to moderate.
		iS		27	32		Felt at: Hinatuan Int. II
***	20	e	10	27	xx	190	Very small.
19	21	e	10	08	17		Very small; local.
20	22	e	08	05	42		Very small; local.
21	22	e	12	20	07		Very small; local.
22	22	e	15	26	03		Very small; teleseismic.
23	23	e	22	26	48		Very small; teleseismic.
24	24	ePZ	01	30	19	480	Very small.
		eSEZ		31	13		
25	26	ePNEZ	05	28	05	625	Small.
		eSNEZ		29	15		
26	27	ePZ	15	17	05	1,010	Very small.
		eSEZ		18	58		
27	27	e	16	22	44		Very small; teleseismic.
28	27	e	18	48	49		Very small; teleseismic.
29	28	ePNEZ	17	10	09	4,350	Very small.
		ePR_2		11	51	or 39.1°	
		iSNE		16	06		
30	29	iPNEZ	15	07	08	130	Small.
		iSNEZ		07	23		

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NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 JAN						
31	30	ePNE eSNEZ	15	34 35	34 38	570	Very small.
32	31	e	05	28	56		Very small; teleseismic.
33	31	ePNEZ ePR_1 eSE	16	09 11 16	55 25 05	4,500 or 40.5°	Small.

The following tremor was reported felt but was not recorded in Manila:

Place	Date	Time (GMT) h	m	Intensity	Duration
TACLOBAN	Jan. 8	12	20	II	08"

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NO. 74

FEBRUARY 1955

ϕ = 14° 40' N λ = 121° 05' E. h = 70.4 m. Tuff

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work). Sprengnether seismometers, Series D-H ; one E-W horizontal component and one vertical component ; Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

*** 1 Loucke-Omori horizontal seismograph located at 9° 15' N ; 125° 36' E Mambajao, Camiguin del Sur, Misamis Oriental. Magnification = 200

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 FEB.						
34	1	e	19	22	40		Very small; teleseismic.
***	2	iP	15	12	37	95	Small.
		iS		12	48		
***	2	eP	23	22	57	220	Very small.
		eS		23	22		
35	4	ePNEZ	07	32	14	6,900	Small.
		eP_cP		32	51	or 62.1°	
		ePR_2		35	54		
		eSNE		40	36		
36	5	e	18	56	55		Very small; probably teleseismic.
37	5	e	20	14	08		Very small; local.
38	5	ePNEZ	20	49	38	4,650	Very small.
		ePR_1		51	17	or 41.8°	
		eSNE		55	51		
39	6	iPNZ	09	56	42	200	Very small.
		iSNZ		57	05		
40	8	ePEZ	04	17	30	1,090	Very small.
		eSNE		19	32		Felt at: Mambajao Int. I
***	8	iP	04	19	00	210	Small.
		iS		19	24		
41	8	iPNEZ	08	07	04	365	Very small.
		eSN		07	45		
42	8	ePNZ	09	47	23	400	Very small.
		eSNZ		48	08		

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 FEB.						
43	9	ePZ eSNE?	19	00 01	25 17	1,000	Very small.
44	9	ePZ eSNZ	22	00 01	48 29	365	Very small.
45	10	e	00	11	44		Very small; teleseismic.
46	11	e	10	33	56		Very small; teleseismic.
47	12	ePNZ? eSNZ	15	17 18	46 22	320	Very small.
48	14	iPNEZ iSNEZ	16	55 57	06 48	1,500	Small to moderate. Felt at: Mambajao Int. II
***	14	iP iS	16	56 58	56 05	615	Small.
***	14	iP iS	19	58 59	34 45	630	Small.
49	14	iPNEZ iSNE	19 20	58 01	48 30	1,500	Small. Felt at: Mambajao Int. I
50	15	iPNEZ P_cP eSE	06	29 30 37	54 59 02	5,800 or 52.2°	Small.
51	15	ePNEZ ePR_1 ePR_2 eSNE	18	51 53 54 58	20 18 03 39	5,750 or 51.7°	Small.
52	16	iPNEZ iSNEZ	11	34 38	48 50	2,600 or 23.4°	Moderate. Felt at: Mambajao Int. I
***	16	iP iS	11	35 38	10 04	1,680	Small.
53	18	e	19	46	15		Very small.
54	18	ePZ eSN	22 23	57 05	44 02	5,750 or 51.7°	Very small.
***	19	iP iS	15	22 22	12 44	280	Small.
55	19	iPNEZ iSNEZ	15	22 23	52 44	460	Moderate. Felt at: Tacloban Int. III Masbate Int. III Tentative epicenter: 11° 50' N ; 124° 15' E.
56	19	e	19	55	27		Very small.

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NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	REMARKS
57	1955 FEB. 20	iPNEZ iSNEZ	00	52 53	54 12	150	Moderate Felt at: Manila Int. III Iba Int. III Dagupan Int. III Baguio Int. II
	21						Tentative epicenter: 15° N ; 119° 35' E. Microseisms above normal.
58	22	e	06	09	05		Very small; local.
59	23	ePZ iSZ	18	49 49	00 50	445	Very small.
60	24	iPNEZ iSNEZ	06	21 22	32 01	255	Small to moderate.
61	25	iPNEZ eSEZ	06	45 46	44 24	345	Very small.
							Power failure at: 13 19 00 Power on at: 14 24 00
62	26	iPNEZ iSNZ	00	36 37	40 45	490	Very small.
63	27	iPNEZ eSNEZ	20 21	55 04	04 35	8,150 or 73.4°	Moderate.

The following tremors were reported felt but were not recorded in Manila:

Place	Date	Time GMT h	m	Intensity	Duration	Direction
TACLOBAN	Feb. 1	12	15	III	03"	N - S
TACLOBAN	" 7	02	16	II	05"	-----
ILOILO	" 10	00	35	I	01"	-----

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NO. 75

MARCH 1955

ϕ = 14° 40' N

λ = 121° 05' E

h = 70.4 m. Tuff

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work). Sprengnether seismometers, Series D-H ; one E-W horizontal component and one vertical component ; Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

*** 1 Louckes-Omori horizontal seismograph located at 9° 15' N ; 125° 36' E Mambajao, Camiguin del Sur, Misamis Oriental. Magnification = 200

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	MARCH						
64	1	ePNEZ eSNZ	04	55 58	26 24	1,750 or 15.7°	
65	1	iPNZ iSEZ	10	21 21	07 35	255	
66	1	iPNEZ eSNZ	14	46 51	56 12	2,755 or 24.8°	
67	1	ePZ eSNZ	15	39 40	20 29	615	Felt at: Cuyo Int. IV
68	2	e	01	26	29		Very small.
69	2	iPNEZ ePR1 eSN Lq	01	44 45 50 52	27 54 07 37	4,200 or 37.8°	
70	3	iPZ eSNE	04	31 35	45 07	2,020 or 18.2°	Very small.
	4						Power failure at: 01 58 00 Power on at: 05 51 00
71	5	iPNEZ iSNEZ	05	33 35	13 42	1,420 or 13.0°	Small.
72	6	e	06	23	40		Very small.
***	6	iP iS	10	56 56	11 46	310	Moderate.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	MARCH						
73	6	iPNEZ iSNEZ	10	56 57	51 54	560	Moderate. Tentative epicenter: 9° 50' N ; 121° 55' E. Felt at: Iloilo Int. IV Cuyo Int. IV Dipolog Int. IV Dumaguete Int. III Roxas City Int. III
74	6	ePNEZ iSZ	13	34 35	55 58	560	Moderate. Similar to preceding quake. Felt at: Dipolog Int. V Cuyo Int. IV Iloilo Int. III Dumaguete Int. III
75	6	e	16	01	16		Very small. Felt at: Dumaguete Int. II
76	7	iPNEZ iPR_1 iSNEZ	04 05	54 56 02	40 06 36	6,400 or 57.6°	Small.
77	8	ePZ eSNZ	17	39 39	25 36	95	Very small.
***	9	iP iS	00	29 29	23 45	105	
78	9	iPNEZ iSNEZ	00	31 32	10 48	875	Small. Tentative epicenter: 7° 30' N ; 124° 25' E.
79	9	ePEZ eSN	05	47 53	48 18	4,510 or 40.6°	Very small.
80	9	iPNEZ iSNEZ	09	21 23	28 22	1,015	Very small.
81	10	iPNEZ iSNE	04	44 45	24 25	545	Small.
***	11	iP iS	23	32 33	54 10	140	
82	11	iPNEZ eSNE	23	34 35	39 09	800	Small. Tentative epicenter: 8° 10' N ; 123° 15' E. Felt at: Dipolog Int. V Mambajao Int. II Iloilo Int. I
83	12	e	13	34	37		Very small.
84	13	e	04	12	05		Very small.
85	13	ePEZ eSE	04	28 29	38 07	255	Small.
***	13	iP iS	05	23 24	37 08	275	

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NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	MARCH						
86	13	iPNEZ eSEZ	05	24 25	39 54	670	Small. Tentative epicenter: 8° 45' N ; 122° 15' E. Felt at: Dumaguete Int. II Iloilo Int. II Mambajao Int. I
87	13	iPNEZ iSNEZ	19	36 39	08 06	1,800	Small.
88	14	e	02	15	18		Very small.
***	14	eP eS	12	02 02	39 56	150	
89	14	e	12	03	10		Very small. Felt at: Mambajao Int. I
90	14	ePNZ ePR$_1$ eSNZ	13	22 25 31	28 18 28	7,600 or 68.4°	Very small.
91	16	ePNEZ eSNE	20	14 17	58 28	1,600	Small.
92	17	e	17	41	53		Very small.
93	17	e	19	13	20		Very small.
94	18	iPNEZ iPR$_1$ iPR$_2$ iSNEZ	00	15 17 18 22	41 38 38 52	5,500 or 49.9°	Small to moderate.
95	19	iPNE iSNE	18	23 23	16 40	210	Small to moderate.
96	20	e	05	38	55		Very small.
***	20	iP iS	08	35 35	23 53	265	
97	20	ePZ eSEZ	08	36 37	06 07	540	Very small. Tentative epicenter: 10° 00' N ; 121° 55' E. Felt at: Iloilo Int. II
98	21	ePNEZ eSNZ	04	54 56	39 33	1,015	Very small.
99	21	ePNEZ iSNE	13	07 11	16 47	3,000	Small.
100	22	iPEZ iSNE	06	19 23	17 47	3,000	
101	22	iPNEZ iSNEZ	12	00 01	47 19	280	Small.
102	22	iPNEZ iPR$_1$ iSNE Lq	14	12 14 18 21	21 01 35 18	4,500 or 46.5°	Moderate.

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NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	MARCH						
103	23	e	05	01	48		Very small; teleseismic.
104	23	e	17	27	57		Very small.
105	23	iPNEZ iSNEZ	22	28 29	14 49	580	Moderate. Felt at: Mambajao Int. III Iloilo Int. II
106	27	e	09	48	20		Very small; teleseismic.
107	27	ePNEZ eSNE	14	01 02	22 42	710	Small.
108	27	e	14	45	14		Very small; teleseismic.
109	27	ePNEZ eSZ	14	55 55	03 47	210	Very small.
***	27	iP iS	22	49 49	00 23		
110	28	ePZ eSZ	08	40 41	50 26	320	Very small.
111	28	iPNEZ iSNEZ	09	16 56	16 57	1,850	Small.
112	30	iPNEZ iSNEZ	13	55 56	46 57	630	Small. Felt at: Basco Int. II
113	31	ePZ eSZ	07	57 58	40 19	345	Very small.
***	31	iP i	18	16 16	18 24		
114	31	iPNEZ	18	17	59	800	Major quake. Records confused due to very large amplitudes. Readings taken from vertical component only. Epicenter: 7° 55' N ; 124° 05' E. H = 18h - 15m - 51s h = 50 kms. ca. Compressional. Felt at: Dansalan Int.VIII Ozamis City Int. VII Dipolog Int. VII Malaybalay Int. VI Cagayan de Oro Int. VI Dumaguete Int. VI Iloilo Int. V Mambajao Int. V Cebu Int. V Cotabato Int. V Davao Int. V Jolo Int. IV Zamboanga Int. IV Hinatuan Int. IV Dadiangas Int. III

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NO.	DATE	PHASE	GREENWICH TIME h m s	DISTANCE Kms.	R E M A R K S
	MARCH				
115	31	iPNEZ eSZ	20 54 40 56 10		Moderate to large. Aftershock. S still confused due to amplitudes of preceding quake. Readings taken from vertical component only. Felt at:Cagayan de Oro Int.V Malaybalay Int.IV Cebu Int.IV Davao Int.IV Mambajao Int.IV Cotabato Int.II Hinatuan Int.II Dumaguete Int.I
116	31	e	21 56 40		Very small in the vertical component. Horizontals still confused due to tail ends of preceding quakes.
117	31	iPNEZ eSE	23 41 51 43 23	820	Aftershock of major quake. Felt at: Cagayan de Oro Int. VI Malaybalay Int. III Cotabato Int. III Mambajao Int. I

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The following quakes were reported felt but were not recorded in Manila:

DATE	PLACE	TIME (GMT) h	m	INTENSITY	DURATION
March 18	BAGUIO	03	04	II	05"
22	ROXAS CITY	10	05	III	05"
22	DUMAGUETE	22	25	II	05"
22	CEBU	22	55	II	02"
24	DUMAGUETE	01	20	II	05"
25	CEBU	02	55	IV	05"
26	DUMAGUETE	05	00	II	10"

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NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	MARCH						
86	13	iPNEZ eSEZ	05	24 25	39 54	670	Small. Tentative epicenter: 8° 45' N ; 122° 15' E. Felt at: Dumaguete Int. II Iloilo Int. II Mambajao Int. I
87	13	iPNEZ iSNEZ	19	36 39	08 06	1,800	Small.
88	14	e	02	15	18		Very small.
***	14	eP eS	12	02 02	39 56	150	
89	14	e	12	03	10		Very small. Felt at: Mambajao Int. I
90	14	ePNZ ePR_1 eSNZ	13	22 25 31	28 18 28	7,600 or 68.4°	Very small.
91	16	ePNEZ eSNE	20	14 17	58 28	1,600	Small.
92	17	e	17	41	53		Very small.
93	17	e	19	13	20		Very small.
94	18	iPNEZ iPR_1 iPR_2 iSNEZ	00	15 17 18 22	41 38 38 52	5,500 or 49.9°	Small to moderate.
95	19	iPNE iSNE	18	23 23	16 40	210	Small to moderate.
96	20	e	05	38	55		Very small.
***	20	iP iS	08	35 35	23 53	265	
97	20	ePZ eSEZ	08	36 37	06 07	540	Very small. Tentative epicenter: 10° 00' N ; 121° 55' E. Felt at: Iloilo Int. II
98	21	ePNEZ eSNZ	04	54 56	39 33	1,015	Very small.
99	21	ePNEZ iSNE	13	07 11	16 47	3,000	Small.
100	22	iPEZ iSNE	06	19 23	17 47	3,000	
101	22	iPNEZ iSNEZ	12	00 01	47 19	280	Small.

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NO. 76

APRIL 1955

ϕ = 14° 40' N. λ = 121° 05' E. h = 70.4 m. Tuff

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work).
Sprengnether seismometers, Series D-H; one E-W horizontal component and one vertical component; Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 APR.						
118	1	e	06	32	38		Very small.
119	1	e	08	05	57		Very small.
120	2	e	10	31	49		Very small.
121	2	e	10	58	32		Very small.
122	2	e	18	34	17		Very small.
123	3	iPNEZ iSNEZ	01	20 20	35 59	210	Small.
124	3	iPNEZ eSN	05	07 09	39 13	840	Small. Felt at: Cotabato Int. II Davao Int. II
125	3	iPNEZ eSNEZ	16	21 23	51 08	685	Small to moderate. Felt at: Calayan Int. V
126	4	iPNEZ iSNEZ	04	13 17	29 28	2,500	Very small.
127	4	iPNEZ iSNEZ	11	13 14	12 31	705 or 6.3°	Small to moderate.
128	5	iPNZ iSNZ	02	38 38	05 21	140	Small. Felt at: Iba Int. III
129	5	e	02	46	50		Very small. Felt at: Mambajao Int. I
130	5	e	03	10	02		Very small. Felt at: Cagayan de Oro Int. III Cotabato Int. III Mambajao Int. III

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	APR.						
131	5	e	05	49	57		Very small.
132	5	ePNZ eSNZ	11	27 31	56 35	2,250 or 20.2°	Small.
133	5	iPNZ eSN	14	04 16	29 21	1,000 or 9.0°	Small.
134	6	e	01	30	55		Very small.
135	6	iPNEZ iSNEZ	01	08 09	46 42	495	Small.
136	6	e	13	01	25		Very small.
137	7	ePZ eSNZ	04	15 17	31 42	1,170	Very small.
138	8	iPNEZ eSE	03	09 11	23 06	920	Very small. Felt at: Mambajao Int. II Dumaguete Int. I
139	9	e	04	46	53		Very small.
140	9	e	05	32	42		Very small.
141	9	e	21	51	29		Very small.
142	10	iPNEZ iSNEZ	17	40 41	10 51	900	Moderate. Felt at: Cagayan de Oro Int. VI Cotabato Int. VI Dipolog Int. VI Malaybalay Int. V Cebu Int. IV Zamboanga Int. III Surigao Int. II Davao Int. II Dadiangas Int. II Iloilo Int. II Dumaguete Int. I
143	11	e	00	57	06		Very small; teleseismic.
144	11	ePNE eSNE	09	32 34	29 12	920	Very small. Felt at: Mambajao Int. III Cotabato Int. III
145	11	ePNE eSNE	16	31 32	38 52	660	Small.
146	12	ePNZ eSZ	13	37 38	00 39	885	Small. Felt at: Mambajao Int. II
147	12	iPNEZ eSNE	21	53 53	23 42	165	Very small.
148	13	e	11	00	08		Very small.

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NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	REMARKS
	APR.						
149	13	ePZ eSNEZ	11	42 44	37 16	885 or 7.9°	Very small.
150	14	iPNEZ iSNEZ	01	34 38	14 28	2,600 or 23.4°	Small to moderate.
151	14	iPNEZ iSNEZ	05	13 13	11 35	210	Small.
152	14	iPNEZ iSNEZ	06	26 27	25 22	505	Small. Felt at: Aparri Int. III
153	15	iPNEZ ePR_2 eSE	03	49 51 55	32 31 34	4,450 or 40.0°	Small to moderate.
154	15	e	04	19	51		Very small.
155	15	e	04	22	08		Small. S confused by traces of preceding quake.
156	15	e	04	39	00		Very small Felt at: Cotabato Int. II
157	17	e	06	08	45		Very small.
158	17	iPNEZ iSNEZ	09	52 53	46 19	290	Small.
159	17	e	10	12	00		Very small.
160	17	e	11	01	00		Very small.
161	17	iPNEZ iPR_1 iSNE	18	44 46 51	09 04 09	5,500 or 49.5°	Small.
162	17	ePZ eSZ	23	25 26	04 07	560	Very small.
163	18	e	05	34	10		Very small.
164	18	iPNEZ eSNE	08	50 53	38 06	1,320	Very small.
165	18	e	22	00	31		Very small.
166	19	iPNEZ iSNEZ	04	05 05	06 31	220	Very small.
167	19	e	07	00	44		Very small.
168	19	e	07	31	06		Very small; teleseismic.
169	19	e	16	35	00		Very small.
170	19	ePNEZ eSE	20	44 51	25 31	5,500	Small.

International Seismological Centre

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	APR.						
171	20	iPNEZ eSNE	01	20 21	22 58	865	Small. Felt at: Cotabato Int. III Dipolog Int. III Cagayan de Oro Int.III
172	20	ePNEZ eSNE	09	47 50	37 17	1,520 or 13.0°	Very small.
173	23	ePZ eSNEZ	16	43 46	23 43	2,400 or 21.6°	Very small.
174	24	e	13	09	11		Very small; teleseismic.
175	27	iPNEZ iSNEZ	15	45 45	28 43	130	Small.
176	27	ePNEZ eSZ	17	02 02	40 55	130	Very small.
177	28	ePNEZ eSNE?	19	15 23	15 33	6,500 or 58.5°	Very small.
178	30	ePNEZ eSNE	02	36 37	28 22	480	Very small.
179	30	iPNEZ iSNEZ	13	41 41	22 52	265	Small.

International Seismological Centre

MAMBAJAO VOLCANOLOGICAL STATION
Mambajao, Camiguin del Sur, Misamis Oriental

International Seismological Centre

ϕ = 9° 15' N λ = 125° 36' E

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INSTRUMENT

1 Loucks-Omori horizontal seismograph. Magnification = 200

DATE	GREENWICH TIME h	m	s	S - P (secs)	AMPLITUDE (mm)	REMARKS
1955						
MAR.						
6	10	59	48**	43	137.0	
6	13	37	54**	43	111.0	
6	16	01	28**	29	2.0	
6	16	03	43	29	5.0	
8	00	30	22	22	39.0	
9	20	04	22	14	2.0	
11	20	45	06	13	2.0	
11	23	24	35**	13	72.0	
12	21	48	28	14	76.0	
13	05	25	40**	29	6.0	
14	10	58	21	16	6.0	
15	07	26	51	21	2.0	
17	11	17	08	14	2.0	
20	09	37	58	29	6.0	
21	09	31	40	45	2.0	
21	15	22	49	2	4.0	
21	20	28	38	17	2.0	
23	22	49	02**	19	6.0	
23	23	30	59	19	4.0	
23	23	40	28	19	2.0	
24	00	29	00	19	2.0	

** - Also recorded in Manila.

DATE	GREENWICH TIME h	m	s	S - P (secs)	AMPLITUDE (mm)	REMARKS
MARCH						
24	00	33	00	19	6.0	
25	03	02	59	19	4.0	
25	12	05	59	19	6.0	
27	06	49	00	19	8.0	
27	15	56	19	19	2.0	
28	18	02	43	13	3.0	
31	18	18	40**	--	---	Pen displaced.
31	19	22	xx	--	---	Pen displaced.
31	21	16	38	--	5.0	
31	21	25	00	--	---	Pen displaced.
31	21	25	08	19	5.0	
31	21	31	49	19	4.0	
31	21	56	00**	19	9.0	
31	22	12	40	19	3.0	
31	22	16	19	19	3.0	
31	22	27	36	19	7.0	
31	23	05	36	19	1.0	
31	23	16	06	19	2.0	
31	23	36	53	19	14.0	
31	23	42	19**	19	---	Big.
APRIL						
1	01	00	13	19	2.0	
1	03	11	00	19	4.0	
1	03	25	00	19	2.0	
1	03	28	00	19	5.0	
1	04	40	40	19	5.0	
1	04	46	51	19	2.0	
1	06	08	13	19	2.0	
1	06	13	38	19	2.0	

** - Also recorded in Manila.

International Seismological Centre

DATE	GREENWICH TIME h	m	s	S - P (secs)	AMPLITUDE (mm)	REMARKS
APRIL						
1	06	30	40**	19	7.0	
1	08	04	13**	19	4.0	
1	09	04	00	19	6.0	
1	09	07	18	19	4.0	
1	09	50	53	19	5.0	
1	11	37	00	19	2.0	
1	13	29	45	19	3.0	
1	16	39	38	19	2.0	
1	18	52	21	21	3.0	
1	20	30	38	17	2.0	
1	23	06	22	21	1.5	
2	00	11	04	19	1.5	
2	01	51	49	19	1.5	
2	04	31	22	24	2.0	
2	06	27	49	19	1.0	
2	08	31	42	19	3.0	
2	08	55	40	10	---	
2	10	28	36**	10	26.0	
2	10	55	00**	19	6.0	
2	12	02	49	19	2.5	
2	15	57	15	21	1.5	
2	17	59	38	--	2.0	
2	18	41	13	19	1.0	
2	22	02	49	19	2.0	
3	00	43	23	--	2.0	
3	01	38	40	19	3.0	
3	05	01	49**	17	19.0	
3	09	32	51	19	1.0	
3	10	35	19	16	1.0	

** - Also recorded in Manila.

International Seismological Centre

DATE	GREENWICH TIME h	m	s	S - P (secs)	AMPLITUDE (mm)	REMARKS
APRIL						
3	12	30	00	21	1.0	
3	13	00	47	19	1.0	
4	02	24	19	19	1.0	
4	05	34	12	19	2.0	
4	08	12	28	17	2.0	
4	11	05	47	19	2.0	
4	16	35	31	19	3.0	
4	17	06	19	19	1.0	
4	23	21	13	19	2.0	
5	03	09	xx**	19	---	Pen displaced.
5	04	52	36	15	7.0	
5	05	17	49	19	---	Pen displaced.
5	22	12	30	19	4.0	
6	10	35	26	19	5.0	
6	12	02	53	19	4.0	
6	13	05	32	19	2.0	
6	23	30	13	19	2.0	
7	04	09	17	17	2.0	
7	04	16	21	21	6.0	
7	07	23	49	--	2.0	
7	11	51	32	19	2.0	
7	12	04	22	19	2.0	
7	15	23	56	19	3.0	
7	22	59	00	17	2.0	
8	00	38	00	15	5.0	
8	03	10	36**	15	42.0	
8	11	17	47	23	1.5	
8	11	54	32	19	1.5	
8	13	58	25	17	2.0	

International Seismological Centre

** - Also recorded in Manila.

DATE	GREENWICH TIME h	m	s	S - P (secs)	AMPLITUDE (mm)	REMARKS
APRIL						
10	01	30	17	24	3.5	
10	02	22	45	26	4.0	
10	09	51	21	15	1.5	
10	17	11	45	--	--	Pen displaced.
11	00	12	36	19	1.0	
11	06	19	19	19	3.5	
11	06	33	36	8.5	1.5	
11	06	35	45	8.5	6.0	
11	06	37	54	11	6.0	
11	08	31	43	9.5	5.0	
11	09	34	32**	18	---	Pen displaced.
11	16	19	26	10.5	---	Pen displaced.
12	13	35	39**	16	38.0	
12	15	20	51	9.5	9.0	
14	01	07	08	21	8.0	
14	11	15	47	19	1.5	
15	04	39	11**	18	9.0	
15	14	59	28	19	9.0	
16	03	47	38	21	5.0	
18	09	28	00	17	4.0	
19	07	02	46	16	3.0	
19	15	29	24	--	2.0	Teleseismic.
19	23	30	30	--	5.0	Teleseismic.
20	09	19	18	18	---	Pen displaced.
23	16	43	28	12	3.0	
23	19	00	32	18	1.0	
26	16	42	55	19	34.0	

International Seismological Centre

** - Also recorded in Manila.

Note: All quakes with an S - P of about 19 seconds are believed to have originated from the same epicentral area of the major Lanao Earthquake of March 31, 1955.

REPUBLIC OF THE PHILIPPINES
Department of Commerce and Industry
WEATHER BUREAU
Manila

International Seismological Centre

No. 77

MAY 1955

ϕ = 14° 40' N λ = 121° 05' E h = 70.4m. Tuff

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work). Sprengnether seismometers, Series D-H; one E-W horizontal component and one vertical component; Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 MAY						
180	1	iPNEZ iPR_2 iSNE	10	01 03 07	50 28 07	3,750 or 33.7°	Small.
181	1	e	13	28	57		Very small.
182	1	ePNEZ iSNE	14	05 10	16 36	3,760 or 33.8°	Small.
183	2	iPNEZ iSNE	12	44 48	44 53	2, 535 or 22.8°	Small.
184	3	e	17	13	54		Very small; teleseismic.
185	4	e	00	22	34		Very small; teleseismic.
186	4	iPNEZ iSNEZ	16	35 35	22 37	130	Very small.
187	6	e	00	11	00		Very small; teleseismic.
188	7	iPZ iSZ	05	52 52	23 45	190	Small.
189	7	iPZ iSZ	19	03 04	27 09	370	Small.
190	7	iPZ eSZ	21	46 47	51 00	75	Very small.
191	8	ePNEZ eSNE	13	36 38	40 04	760	Small.
192	10	iPNEZ iSNEZ	02 03	59 00	49 05	140	Small.
193	11	ePN eSNZ	00	48 52	46 42	2,500 or 22.5°	Very small.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 MAY						
194	11	iPNEZ iSNEZ	16	38 39	26 25	525	Small. Felt at: Aparri Int. III Calayan Int. IV Vigan Int. II
195	11	iPNZ eSN	19	28 31	08 39	2,300 or 20.7°	Small.
196	11	e	20	54	40		Very small; local. Felt at: Cebu Int. V
197	12	ePZ eSNZ	20	17 17	06 32	230	Very small.
198	12	iPNEZ iSNEZ	20	35 36	54 18	210	Small.
199	14	iPZ iZ iSZ	06	08 10 12	31 41 30	2,580 or 23.2°	
200	16	iPNEZ iSNEZ	00	38 39	33 00	230	Small to moderate. Tentative epicenter: 13° 20' N; 122° 40' E. Felt at: Aurora Int. IV Daet Int. IV
201	17	iPNEZ iPR_2 iSNEZ	14 15	55 56 00	46 42 32	3,035 or 27.3°	Small to moderate.
202	18	iPNEZ iSNEZ	05	27 28	37 58	720	Small.
203	18	iPNEZ iSNEZ	07	24 25	26 47	720	Small. Felt at: Basco Int. III
204	18	e	08	45	31		Very small.
205	19	e	22	29	42		Very small.
206	20	e	12	14	49		Very small; local.
207	20	ePNEZ eSNEZ	14	17 19	52 33	900	Very small. Felt at: Dumaguete Int. II Mambajao Int. I
208	20	iPNEZ iSNEZ	14	50 50	08 28	175	Small.
209	21	iPNEZ iSNEZ	01	35 39	22 33	2,700 or 24.3°	Small.
210	21	iPNEZ iSNEZ	03	35 39	13 25	2,700 or 24.3°	Small.
211	22	ePZ eSNE	14	11 15	26 42	2,755 or 24.8°	Very small.

International Seismological Centre

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 MAY						
212	22	ePNEZ iSNE	22	11 11	11 39	245	Very small.
213	23	ePNE eSE	17	51 59	40 44	6,420 or 57.8°	Very small.
214	24	iPNEZ iSNEZ	05	46 46	08 47	345	Small.
215	24	e	15	43	42		Very small.
216	24	iPNEZ iSNEZ	17	53 54	56 11	130	Small.
217	25	iPNEZ iSNEZ	18	01 02	38 28	445	Small.
218	26	iPNEZ iPR_1 eSNE SR_1	16	31 33 38 41	44 39 24 32	5,000 or 45.0°	Small.
219	26	e	21	21	36		Very small; teleseismic.
220	26	iPZ eSZ	21	29 31	29 20	990	Very small.
221	27	iPNEZ iSNEZ	19	11 15	25 29	2,700 or 24.3°	Very small.
222	29	iPNEZ iSNE	15	39 44	48 18	3,000 or 27.0°	Small to moderate.
223	30	iPNEZ i(P)NEZ i(P)NEZ i(P)NEZ	12	36 38 42 46	04 36 25 14		Small to moderate. Probably 3 or 4 quakes in succession.
224	30	iPNEZ iSNEZ	23	32 36	10 27	2,700 or 24.3°	Moderate.
225	31	e	18	16	52		Very small; teleseismic.

International Seismological Centre

The following quakes were reported felt but were not recorded in Manila:

DATE	PLACE	TIME (GMT)	INTENSITY	DURATION	DIRECTION
MAY 9	ROMBLON	15h 44m	II	03"	E-W
9	HINATUAN	16h 53m	II	27"	SSE-NNW
18	COTABATO	17h 14m	II	08"	---

MAMBAJAO VOLCANOLOGICAL STATION
Mambajao, Camiguin del Sur, Misamis Oriental

ϕ = 9° 15' N λ = 125° 36' E

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INSTRUMENT

1 Loucks-Omori horizontal seismograph. Magnification = 200.

International Seismological Centre

DATE	GREENWICH TIME h	m	s	S- P (secs)	AMPLITUDE (mm)	REMARKS
1955 MAY						
3	08	48	09	36	1	
4	03	58	00	30	4	
8	05	13	18	20	4	
8	13	36	03	34	2	
9	08	04	28	29	2	
9	09	34	50	25	2	
9	11	58	50	38	1	
9	17	30	08	20	4	
11	20	52	38	18	16	Recorded also in Manila.
17	05	23	22	18	3	
17	09	49	18	17	1	
18	03	09	01	18	2	
18	18	20	21	17	2	
20	13	37	36	10	6	
20	14	18	32	16	17	Recorded also in Manila.
20	14	36	17	16	5	
20	15	45	26	16	1	
20	18	31	38	14	1	
21	08	10	01	10	6	
22	06	11	01	16	1	
22	10	08	24	14	1	
22	14	43	22	22	2	
22	22	56	42	11	1	
22	23	13	20	19	1	
23	23	47	50	18	3	
28	15	49	19	40	7	
28	16	32	14	18	1	
30	12	36	28		5	Recorded also in Manila.

REPUBLIC OF THE PHILIPPINES
Department of Commerce and Industry
WEATHER BUREAU
Manila

International Seismological Centre

No. 78

JUNE 1955

ϕ = 14° 40' N λ = 121° 05' E h = 70.4 m. Tuff

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work).
Sprengnether seismometers, Series D-H; one E-W horizontal component and one vertical component: Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 JUNE						
226	1	iPNEZ	16	14	05	1,800	Small.
		iSNE		16	50		
227	1	iPNEZ	21	53	06	175	Small.
		iSNE		53	28		
228	2	iPNEZ	00	29	02	6,400	Small.
		iSNEZ		37	02		
229	2	ePZ	07	59	48	415	Very small.
		eSZ	08	00	35		
230	2	iPEZ	16	01	02	220	Small.
		iSEZ		01	27		
231	3	e	02	41	00		Very small; local.
232	4	e	16	57	46		Very small.
233	4	e	17	28	54		Very small.
234	4	ePZ	21	48	04	140	Very small.
		eSE		48	20		
235	5	iPEZ	06	13	42	1,090	Small to moderate
		iSE		15	44		
236	5	eP	02	03	05		Very small.
237	6	e	01	22	16		Very small.
238	6	e	22	07	50		Very small.
239	6	iPEZ	22	39	16	175	Small
		iSEZ		39	36		
240	7	iPEZ	00	53	58	2,600	Small. Normal depth
		iSE		58	02		

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 JUNE						
241	7	iPZ eSE	15	35 39	21 41	2,800	Very small.
242	8	iPEZ iSEZ	02	43 43	19 41	190	Moderate. Felt at: Manila Int. II
243	8	iPEZ iSEZ	03	23 23	23 46	200	Small.
244	8	iPEZ iSEZ	03	56 57	46 10	210	Small.
245	9	iPEZ iSEZ	02	36 36	04 28	210	Small.
246	11	iPEZ iSEZ	21	06 06	02 19	150	Very small.
247	11	e	22	38	44		Very small.
248	12	iPEZ iSE	20	38 45	57 07	4,600	Very small.
249	13	ePZ eS?	05	09 12	30 46		Very small.
250	13	e	19	19	47		Very small.
251	13	ePEZ eSE	19	53 56	44 32	1,800	Very small.
252	14	iPEZ iSEZ	02	34 35	48 20	280	Very small.
253	14	e	03	02	56		Very small.
254	14	iPEZ iSZ	16	00 00	18 36	155	Moderate. Felt at: Manila Int. II
255	14	e	17	28	52		Very small; teleseismic.
256	15	e	02	00	53		Very small. Horizontals masked by microseisms.
257	15	e	02	48	00		Very small. Horizontals masked by microseisms.
258	15	e	03	02	14		Very small. Horizontals masked by microseisms.
259	15	e	03	11	10		Very small; teleseismic. Horizontals masked by microseisms.
260	15	e	04	10	06		Very small. Horizontals masked by microseisms
261	15	e	12	34	11		Very small; teleseismic. Horizontals masked by microseisms.

International Seismological Centre

International Seismological Centre

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	REMARKS
	1955 JUNE						
262	15	e	15	43	29		Very small; teleseismic. Horizontals masked by microseisms.
263	15	ePZ	18	13	52		Horizontals masked by microseisms.
		eS		14	21		
264	16	e	04	58	36		Very small
265	16	e	06	28	xx		Very small.
266	16	ePZ	06	09	54	2,600	
		eS?		14	04		
		L		16	57		
267	16	e	06	48	55		Very small; teleseismic.
268	16	iPEZ	08	17	48	310	Small to moderate.
		iSEZ		18	13		
269	16	iPEZ	09	34	37	310	Small to moderate.
		iSEZ		35	02		
270	17	iPEZ	02	09	24	310	Small to moderate.
		iSEZ		09	59		
271	17	iPEZ	08	08	24	895	Small to moderate.
		iSEZ		10	03		
272	18	ePEZ	16	09	36	925	
		eSEZ		10	20		
273	20	iPEZ	12	17	35	6,700	Small. Normal depth.
		ePR_1E		19	48		
		iSE		25	55		
		eSSE		32	47		
274	21	e	10	59	56		Very small; teleseismic.
275	21	iPEZ	12	45	03	980	Very small.
		eSE		47	05		
276	21	iPEZ	23	00	04	200	Small.
		iSEZ		00	27		
277	21	iPEZ	23	27	40	200	Small.
		iSEZ		28	03		
278	22	ePZ	01	29	26	195	Very small.
		eSZ		29	48		
279	22	iPEZ	01	41	58	195	Small.
		iSEZ		42	20		
280	22	ePEZ	10	15	50	1,105	Small.
		eSEZ		19	54		

International Seismological Centre

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 JUNE						
281	23	iPZ	22	20	49	2,300	Very small.
		eSZ		24	37		
282	24	e	04	42	08		Very small.
283	24	e	06	18	12		Very small.
284	24	e	21	28	00		Very small.
285	25	e	00	28	30		Very small.
286	25	ePEZ	17	43	08	495	Very small.
		eSE		44	04		Felt at: Iloilo Int. III Dumaguete Int. II
287	27	iPEZ	06	33	51	470	Small.
		eSEZ		34	44		
288	27	iPEZ	10	22	08	4,950	Very small.
		ePR_1		24	58		
		eSZ		28	28		
289	27	iPEZ	16	15	25	1,900	Small.
		iSEZ		18	23		
290	28	iP	05	29	30	1,035	Small. Normal depth.
		eSEZ		31	26		
291	29	iPEZ	03	25	57	740	Deeper than normal Small to moderate. Off the NE coast of Mindanao
		eSEZ		27	20		
292	29	iPEZ	03	36	31	735	Small to modertate Felt at: Surigao Int. III Mambajao Int. II
		eSEZ		37	53		
293	29	ePEZ	04	14	55		Superimposed on tail end of preceding quake
294	29	ePEZ	04	59	08	1,800	Normal depth.
		eSEZ	05	02	16		
295	29	ePEZ	06	39	21	735	Probable aftershock of quake No. 291 Felt at: Surigao Int. II
		eSEZ		40	43		
296	29	ePEZ	08	40	50		
297	29	ePEZ	14	33	25		Probable aftershock of quake No. 291
298	29	ePEZ	15	42	07		Same as preceding but larger.
299	30	ePEZ	02	38	31	1,075	Very small.
		eSEZ		40	32		
300	30	ePEZ	22	03	43	625	Small to moderate.
		iSEZ		04	53		

MAMBAJAO VOLCANOLOGICAL STATION
Mambajao, Camiguin del Sur, Misamis Oriental

ϕ = 9° 15' N λ = 125° 36' E

International Seismological Centre

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INSTRUMENT

1 Loucks-Omori horizontal seismograph Magnification = 200

DATE	GREENWICH TIME h	m	s	S - P (secs.)	AMPLITUDE (mm)	REMARKS
1955 JUNE						
1	10	38	15	24	2	
	16	12	59	114	2	
2	11	13	21	16	3	
4	03	12	54	--	-	Very small.
	03	31	36	69	7	
	05	00	47	35	-	Very small.
6	09	25	43	18	10	
11	22	36	28	--	-	Very small.
12	04	44	34	8	-	Very small.
	09	21	31	10	-	Very small
21	18	38	32	14	-	Very small.
22	21	27	06	44	-	Very small.
24	03	50	26	19	-	Very small.
	06	15	53	19	4	
	10	33	41	19	-	Very small.
25	17	42	34	32	20	
27	15	43	00	92	-	Very small.
28	05	27	22	26	12	
29	03	14	17	22	28	Epicenter: 10° 10' N ;
	03	24	30	22	60	126° 15' E
	04	05	30	22	-	Very small.
	04	08	38	22	14	
	06	37	54	22	15	
	07	33	51	22	3	
	08	39	09	22	5	
	14	31	18	26	5	
	15	39	41	23	23	
	16	11	20	22	-	Very small.

REPUBLIC OF THE PHILIPPINES
Department of Commerce and Industry
WEATHER BUREAU
Manila

International Seismological Centre

NO. 79

JULY 1955

ϕ = 14° 40' N λ = 121° 05' E h = 70.4 m. Tuff

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series E (for microseismic work). Sprengnether seismometers, Series D-H; one E-W horizontal component and one vertical component; Series H for N-S component (long period).

Data taken from Sprengnether Series D-E and Series H N-S component.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	REMARKS
	1955 JULY						
301	1	e?	11	41	06		Very small; local.
302	1	e	11	52	55		Very small; local.
303	1	e	17	46	17		Very small; local.
304	2	iPEZ	16	03	52	505	Small.
		iSEZ		04	49		Felt at: Calayan Int. III
305	2	e	19	29	08		Very small.
306	3	iPEZ	07	50	01	130	Small.
		iSEZ		50	16		Felt at: Manila Int. II
307	4	iPE	14	29	40		Very small.
		iPR_1		39	40		
308	4	e	21	11	11		Very small.
309	4	ePEZ	22	57	33	865	Very small.
		eSEZ		59	10		Felt at: Surigao Int. II
310	5	iPEZ	00	51	00	890	Small.
		eSEZ		52	40		
311	5	ePEZ	01	34	12	440	Small.
		iSEZ		35	03		
312	6	iPNEZ	02	02	51	5,250	Moderate.
		iPR_1		04	41		
		iSEZ		09	41		
313	7	e	18	30	26		Very small.
314	7	iPNEZ	18	49	28	1,600	Small to moderate.
		eSZ		51	46		
315	8	e	23	54	56		Very small.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 JULY						
316	10	ePEZ eSZ	05	04 04	10 30	175	Very small.
317	11	iPEZ iSEZ	02	44 44	09 36	235	Small.
318	11	e	05	13	40		Very small.
319	13	ePNEZ iSEZ	15	35 35	26 56	265	Very small.
320	13	iPE eSE	19	48 48	20 40	175	Very small.
321	14	e	04	01	35		Very small.
322	14	e	10	03	17		Probably teleseismic. S masked by large micro-seisms. Large microseisms from July 15 to 17.
323	18	ePNE eSNE	05	51 52	43 23	355	Small. Felt at: Virac Int. II
324	18	ePNE iSNE	11	39 46	16 36	5,750	Very small.
325	19	ePNE eSNE	16	07 07	42 56	120	Very small.
326	21	e	12	06	10		Very small; teleseismic. Microseisms returned to normal.
327	22	ePN eSN	12	15 16	00 00	535	Small. Felt at: Iloilo Int. I
328	23	ePNE eSNE	06	21 22	44 52	600	Small.
329	23	ePNE	11	24 25	38 46	600	Small. Felt at: Iloilo Int. II Roxas City Int. I Tentative epicenter: 9° 20' N; 122° 10' E.
330	23	ePN eSN	12	11 13	55 07	640	Very small.
331	23	iPZ ePR$_1$Z eSEZ	12	53 54 57	40 20 59	2,700	

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NO.	DATE	PHASE	ORIGIN TIME h	m	s	DISTANCE Kms.	REMARKS
	1955 JULY						
332	23	iPNE eSZ	13	58 59	25 26	555	Small to moderate. Biggest of the series. Felt at: Iloilo Int.IV Dumaguete Int.III Dipolog Int.III Tentative epicenter: 9° 40' N; 122° E.
333	23	iPNZ iSNZ	15	50 51	59 17	145	Small. Felt at: Iba Int. II
334	23	ePNZ eSNZ	18	22 23	12 17	580	Small. Felt at: Iloilo Int. I Tentative epicenter: 9° 30' N; 122° 15' E.
335	24	ePNZ eSNEZ	11	07 09	55 04	615	Small.
336	24	iPNEZ eSNEZ	16	52 53	20 40	710	Small to moderate.
337	24	iPNEZ eSNEZ	20	49 50	40 32	460	Small. Felt at: Virac Int. III
338	25	e	20	02	08		Very small; local.
339	26	e	10	52	10		Very small; local.
340	27	iPNE eSNE	01	25 30	54 01	2,600	Small.
341	27	iPNE iSNE	05	06 10	49 41	2,500	Small to moderate.
342	27	ePNE eSNE	07	17 19	35 09	840	Small. Felt at: Iloilo Int. I
343	27	ePNE eIR$_1$NE iSNE	18	31 33 40	04 52 48	8,800	
344	28	iPNE iSNE	02	02 03	37 46	615	Small to moderate. Felt at: Dumaguete Int.II Iloilo Int.II
345	28	e	06	01	52		Very small.
346	28	iPNE iSNE	06	37 37	02 41	345	Small.
347	28	e	12	30	30		Very small.
348	28	e	15	06	34		Very small.
349	29	e	01	39	40		Very small; local.

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NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 JULY						
350	29	iPNEZ iSEZ	03	27 28	54 14	175	Small.
351	29	ePNEZ eSEZ	01	01 02	28 40	650	Small.
352	30 31	e	07	23	54		Very small. Power failure at: 00 12 00 Power on at: 05 16 00
353	31	e	07	58	40		Very small; local.
354	31	e	13	41	17		Very small; local.

International Seismological Centre

MAMBAJAO VOLCANOLOGICAL STATION
Mambajao, Camiguin del Sur, Misamis Oriental

ϕ = 9° 15' N λ = 125° 36' E

International Seismological Centre

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INSTRUMENT

1 Loucks-Omori horizontal seismograph Magnification = 200

DATE	TIME (GMT) h	m	PHASES	S - P secs.	AMP. (mms)	R E M A R K S
1955 JULY						
1	00	17	eP;eS	40	1	
1	08	59	eP;iS	37	1	
1	11	01	iP;eS	27 or 44	60	
1	11	40	iP;iS	25	5	Also recorded in Manila.
1	13	30	e		-	Very small.
1	14	01	e		2	
1	14	28	e		-	Very small.
1	15	00	e		-	Very small.
1	16	19	eP;iS	38	2	
1	17	07	e		3	
1	18	01	iP;iS	13	2	
2	05	42	iP;iS	22	2	
2	09	59	eP;iS	21	3	
3	13	07	e		-	Very small.
3	13	54	eP;iS	28	1	
4	21	11	iP;iS	13	8	Also recorded in Manila.
4	22	56	iP;iS	23	25	- do -
5	00	17	iP;iS	22	7	
7	03	12	e		-	Very small.
7	07	02	eP;iS	21	2	
7	14	31	iP;iS	24	3	
10	05	04	iP;iS	18	1	Also recorded in Manila.
10	01	21	eP;iS	20	1	
13	05	50	iP;iS	16	20	
13	12	35	eP;eS	76	1	
17	05	02	iP;iS	24	2	
17	18	27	eP;iS	20	1	
19	04	23	eP;iS	31	3	
19	04	00	eP;eS	20	1	
19	10	47	eP;iS	25	2	
19	17	27	e		-	Very small.
20	17	30	eP;iS	23	-	Very small.
21	22	31	eP;eS	36	2	
21	23	53	eP;eS	33	2	

DATE	TIME (GMT) h	m	PHASES	S - P secs.	AMP. (mms)	R E M A R K S
1955 JULY						
22	00	07	e		-	Very small.
22	11	15	iP;iS	35	20	
23	06	21	iP;iS	33	18	Also recorded in Manila.
23	06	26	eP;iS	33	10	
23	06	29	iP;iS	33	10	
23	06	33	e		-	Very small.
23	07	06	e		-	Very small.
23	07	18	e		-	Very small.
23	11	24	iP;iS	32	28	Also recorded in Manila.
23	11	30	iP;iS	32	25	
23	11	37	iP;eS	33	4	
23	12	04	eP;eS	33	4	
23	12	11	eP;iS	33	5	Also recorded in Manila.
23	12	16	e		-	Very small.
23	12	53	e		-	Very small.
23	13	59	iP;iS	34	45	Also recorded in Manila.
23	14	26	e		-	Very small.
23	14	35	eP;iS	12	5	
23	15	21	iP;eS	36	4	
23	15	53	eP;iS	34	1	
23	18	13	e		-	Very small.
23	18	16	e		-	Very small.
23	18	22	iP;iS	32	7	Also recorded in Manila.
23	18	25	eP;iS	30	8	
23	20	20	eP;eS	33	2	
24	07	12	eP;eS	33	-	Very small.
24	11	24	eP;eS	31	1	
24	15	43	eP;iS	12	-	Very small.
24	19	56	e		-	Very small.
25	09	26	eP;iS	17	1	
25	18	40	e		-	Very small.
26	05	58	e		-	Very small.
26	18	03	iP;iS	8	-	
27	02	48	eP;iS	12	1	
27	08	18	eP;iS	33	18	
28	02	15	iP;iS	32	20	
28	04	58	iP;iS	17	10	

International Seismological Centre

NOTE: Pending the installation of a more adequate time control at the Mambajao Station, all times are given only to the nearest minute.

REPUBLIC OF THE PHILIPPINES
Department of Commerce and Industry
WEATHER BUREAU
Manila

International Seismological Centre

No. 80

AUGUST 1955

ϕ = 14° 40' N λ = 121° 05' E h = 70.4 m. Tuff

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work).
Sprengnether seismometers, Series D-H; 1 E-W horizontal component and
1 vertical component: Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 AUG.						
355	1	ePNE iSNE	16	57 57	47 59	100	Very small.
356	1	iPNE iSN	21	47 49	23 29	1,125	Felt at: Dadiangas Int. III
357	2	i	00	07	53		Very small; local.
358	2	i	06	57	11		Very small; teleseismic.
359	3	iPNE iSNE	05	14 16	28 03	845	Small.
360	3	ePNE	05	25	32		Very small; local.
361	3	ePNEZ iSNEZ	19	22 22	37 49	100	Very small.
362	3	ePNE iSNE	22	47 51	24 34	2,750	Small.
363	4	e	11	02	13		Masked by microseisms.
364	4	e	14	23	13		" " "
365	4	e	15	30	xx		" " " Teleseismic.
366	4	ePNE iSNE	18	12 12	49 59	85	Similar to No. 364.
367	6	iPZ ePRZ iS	08	42 45 50	08 07 51	7,620	
368	10	ePNE eSNE	16	09 09	08 24	140	

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 AUG.						
369	11	ePNE eSNE	08	59 59	10 25	130	Very small.
370	11	ePEZ eSEZ	19	31 35	31 42	2,565	
371	13	ePNEZ eiSEZ	17	13 14	35 54	700	Small to moderate. Felt at: Iloilo Int. II
372	13	eP	17	48	55		Probable aftershock of preceding quake.
373	14	iP eS	10	45 45	00 21	185	Small to moderate. Light blurred after onset of P wave. Felt at: Manila Int. II
374	14	ePNE eSNE	11	17 18	26 36	625	
375	16	iPEZ iSEZ	10	21 21	25 53	245	Small to moderate.
376	16	iPEZ iPEZ iSEZ	11 12	54 56 02	21 03 28	4,600	Moderate. Depth: 200 kms.
377	17	ePNE	16	28	19		Very small; very near.
378	18	eP iS	00	04 05	05 57	1,000	Small. Felt at: Davao Int. III
379	18	eP	00	11	09		Very small; very near.
380	18	iPNE iSNE	04	21 22	54 59	580	Small to moderate.
381	18	eP iS	06	29 29	15 21	30	
382	18	ePNE eSNE	11	14 15	00 02	550	Small.
383	18	eP eS	12	48 48	21 37	140	Very small.
384	18	ePNE eSNE	16	13 13	26 42	140	
385	19	ePZ	03	36	58		Very small.
386	19	ePEZ	22	50	03		Very small.
387	20	iPEZ iSZ	06	13 14	04 19	670	Felt at: Borongan Int. II Tentative epicenter: 11° 05' N, 126° 10' E.

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NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms:	R E M A R K S
	1955 AUG						
388	20	iPEZ iSEZ	06	29 31	34 49	670	Very small. Probable aftershock of preceding quake.
389	20	ePEZ iSEZ	15	04 05	09 14	580	Small. Felt at: Vigan Int. III Off the coast of N Luzon.
390	20	ePEZ iSEZ	19	46 48	53 13	710	Off the coast of E Samar.
391	21	eP	16	09	40		Very small; teleseismic.
392	21	iPEZ iSEZ	17	39 43	20 44	2,850	
393	22	ePEZ iS	08	26 26	29 48	165	
394	23	eP	13	12	46		Very small; local.
395	23	eP iS	13	29 30	52 52	530	
396	23	iP iS	20	11 11	03 49	400	Small.
397	23	iPEZ iSEZ	22	44 45	54 55	540	Small to moderate
398	25	iPEZ eSZ	10	01 02	21 23	550	
399	25	iPZ iSZ	16	11 12	18 20	550	
400	26	iPZ iSZ	03	16 17	39 20	365	
401	28	eP iS	09	59 59	07 36	255	
402	28	e	20	36	37		Very small.
403	31	iPZ iSZ	11	39 39	29 48	165	

NOTE:

Starting August 10, 1955, tremors occurring around 0600 to 1000 GMT are very difficult to interpret due to large amplitudes of very short period vibrations caused by underground drilling of a tunnel very close to the station.

MAMBAJAO VOLCANOLOGICAL STATION
Mambajao, Camiguin del Sur, Misamis Oriental

ϕ = 9° 15' N λ = 125° 36' E

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INSTRUMENT

L Loucks-Omori horizontal seismograph Magnification = 200

DATE	TIME (GMT) h	m	PHASES	S-P secs.	AMP. mm.	REMARKS
1955 AUG.						
1	21	46	iP;iS	47	25	
2	17	14	eP;eS	18	2	
2	17	22	eP;eS	24	1	
6	07	53	iP;iS	79	4	
6	16	55	iP;iS	18	12	
7	16	03	e			Very small.
7	16	09	iP;iS	17	1	
8	14	59	iP;iS	18	18	
13	15	45	iP;iS	34	14	
13	18	05	iP;iS	32	2	
14	03	19	e			Very small.
14	12	44	eP;iS	37	3	
14	22	38	e			Very small.
17	13	10	iP			Very small.
18	00	03	iP;iS	38	11	
18	05	26	e			Very small.
18	10	42	eP;eS	38	5	
18	15	42	e			Very small.
20	05	41	eP;eS	28	8	
20	20	18	eP;iS	32	4	
21	17	08	eP;eS	77	6	
23	07	51	e			Very small.
23	09	54	iP;iS	38	8	
25	09	34	e			Undecipherable.
25	16	44	eP;eS	34	1	
26	09	55	e			Very small.
28	06	38	eP;iS	16	2	
29	07	14	eP;eS	28	1	
31	04	40	e			Very small.
31	05	00	e			Very small.
31	05	01	e			Very small.
31	06	19	e			Very small.
31	06	32	e			Very small.
31	06	40	e			Very small.
31	08	37	e			Very small.

REPUBLIC OF THE PHILIPPINES
Department of Commerce and Industry
WEATHER BUREAU
Manila

International Seismological Centre

No. 81

SEPTEMBER 1955

ϕ = 14° 40' N

λ = 121° 05' E

h = 70.4 m. Tuff

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work).
Sprengnether seismometers, Series D-H; 1 E-W horizontal component and
1 vertical component; Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 SEPT						
404	1	ePEZ eSEZ	14	41 41	40 47	60	Very small; very near.
405	2	i	18	55	56		Very small.
406	2	ePNEZ ePR$_1$N iSNEZ	21	17 18 21	17 02 35	2,850	Small.
407	3	iPEZ iSEZ	02	07 08	42 12	265	Small.
408	3	ePNE iSNE	05	50 51	49 14	220	Small. Felt at: Baguio Int. II
409	3	ePEZ i	12	55 59	45 19		
410	3	iPNEZ iSNEZ	16	26 29	45 27	1,750	Moderate.
411	4	iPNE iSNE	05	04 05	43 00	150	
412	4	ePE iSE	19	16 22	47 13	3,850	Very small.
413	4	ePNEZ eSNEZ	22	17 18	35 38	560	Felt at: Iloilo Int. II
414	5	ePNE eSNE	04	20 21	17 34	685	Felt at: Surigao Int. II
415	5	ePE eSE?	17	18 21	21 31		
	5						Power failure at: 17 28 00 Power on at: 18 56 00

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	REMARKS
	1955 SEPT						
416	6	ePE	11	36	00		Small.
		e		39	17		Felt at: Hinatuan Int. II
417	6	iPNE	23	35	49		Very small; very near.
418	7	iPEZ	03	28	57	6,500	
		iPR_2Z		31	59		
		iSEZ		36	50		
419	7	eP	06	10	01		Very small.
		iS?		11	51		
420	8	e	01	40	26		Very small.
421	8	e	02	34	58		Very small.
422	8	iPEZ	04	34	57	4,300	Small to moderate.
		ePR_1EZ		35	27		Teleseismic.
		iSEZ		40	53		
423	8	e	05	50	56		Very small.
424	8	ePEZ	07	56	09	235	Small.
		eSEZ		56	36		
425	8	iPZ	17	21	24	150	
		iS		21	41		
426	8	eP	17	26	49	140	
		iS		27	05		
427	9	iPNZ	09	47	40	4,000	Small.
		iSNZ		53	12		
428	9	ePNZ	16	28	57	5,000	Teleseismic.
		ePR_1Z		31	13		
		iSNZ		35	14		
429	10	eP	21	05	54	670	
		iS		07	09		
430	11	ePZ	07	19	39	425	Small.
		iSZ		20	27		
431	11	e	12	04	23		Very small ; local.
432	11	ePZ	12	21	25	210	Very small.
		iSZ		21	49		
433	11	iPZ	18	02	11		
		i		08	22		
434	11	i	18	11	56		Probably another quake superimposed on tail end of preceding quake.
435	12	iPNE	06	21	53		
		iSNE		32	07		

International Seismological Centre

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	REMARKS
	1955 SEPT 12						Power failure at: 10 37 08 Power on at: 10 45 30
436	13	iZ	02	11	02		Very small.
437	13	ePZ eSZ	04	41 42	07 05	515	Small.
438	13	iPZ iSZ	16	06 07	16 17	540	Small.
439	13	iPZ iSZ	17	40 40	24 41	150	Small.
440	13	iP iS	18	00 01	14 15	540	Very small.
441	13	ePZ iSZ	20	15 16	16 02	410	
442	14	e	18	03	45		Very small.
443	14	e	18	38	40		Very small.
444	15	iPN iSN	00	56 57	47 07	175	Small to moderate.
445	15	ePN iSN	01	45 45	24 50	230	Small.
446	15	e	03	23	58		Very small; local.
447	15	e	03	32	34		Small.
448	15	e	11	31	20		Very small.
449	15	iPE iSE	12	35 39	42 44	2,700	Moderate. Teleseismic.
450	16	eP iS	18	34 36	56 41	935	Small. Felt at: Cotabato Int. IV
451	17	i	06	44	54		Very small.
452	17	iPZ eSNEZ	07	34 37	28 03	1,580	
453	17	eP	12	04	58		Very small; teleseismic.
454	17	i	14	59	25		Very small.
455	17	ePNEZ eSEZ	18	11 13	30 17	955	Felt at: Cotabato Int. III
456	17	eP	20	08	26		Very small.

International Seismological Centre

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	REMARKS
	1955 SEPT						
457	18	ePNZ eSNE?	11	37 41	23 13	2,700	Very small.
458	19	ePNE iSE	02	21 21	17 45	245	Very small.
459	20	iPNEZ ePR$_1$Z eSE	13	32 35 41	04 10 36		Small.
460	21	iPNEZ iSEZ	06	49 51	25 35	1,160	Small.
461	21	ePEZ	13	40	26		Very small.
462	21	e	22	19	51		Very small.
463	22	iPNEZ iSNE	03	27 28	25 59	1,000	Moderate.
464	22	iPZ eSZ	05	41 42	16 42	765	Small.
							NOTE: At about 0700 GMT, Sept. 22, large microseisms due to Typhoon KATE masked the records and continued to do so until the last hours of Sept. 24, 1955.
465	24	ePE iSE	10	23 24	32 52	710	Readings taken from the torsion seismometer.
466	25	iPE iSE	19	01 03	58 44	1,055	Felt at: Davao City Int. V Hinatuan Int. III Butuan Int. III
467	26	eP	08	50	55		Small.
468	28	iPZ iSZ	00	25 26	03 35	820	
469	29	ePNEZ eSNEZ	13	00 01	05 32	775	Very small.
470	29	ePNE eSNE	20	01 02	22 46	750	Very small.
471	30	iPNE iSNE iSR$_1$NE	03	07 09 10	47 30 39	920	Large record. Felt at: Davao City Int. IV Hinatuan Int. III Butuan Int. III Mambajao Int. III Malaybalay Int. II
472	30	iPE eiSE iSR$_1$E	06 07	59 01 02	28 11 40	920	Moderate. Felt at: Davao City Int. IV Malaybalay Int. III Butuan Int. II

International Seismological Centre

MAMBAJAO VOLCANOLOGICAL STATION
Mambajao, Camiguin del Sur, Misamis Oriental

ϕ = 9° 15' N λ = 125° 36' E

International Seismological Centre

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INSTRUMENT

1 Loucks-Omori horizontal seismograph. Magnification = 200

DATE	GREENWICH TIME h m s	PHASE	S - P (secs)	AMP. (mms.)	R E M A R K S
1955 SEPT					
2	21 06	eP; eS			Very small.
3	16 57	iP; iS	110	4.2	
5	04 17	iP; iS	21	1.5	
6	12 07	iP; iS	21	1.0	
10	03 38	eP			Very small.
10	04 17	e			Very small.
10	15 57	eP; eS	26	2.0	
10	19 10	eP; eS	25	2.0	
10	20 02	iP			Drum stopped before S was recorded.
11	05 46	eP			Very small.
11	08 15	iP; iS	12	1.7	
11	18 37	eP; eS	22	3.0	
11	22 14	eP			Very small.
12	04 23	eP; iS	23	4.0	
12	04 29	eP			Very small.
12	22 55	eP			Very small.
13	04 41	eP; iS	60		Very small.
13	16 06	eP; iS	37		Very small.
13	18 00	eP; eS	60		Very small.
15	05 34	eP			Very small.
15	11 30	iP; iS	21	1.7	
15	12 22	eP			Very small.
15	12 32	eP			Very small.
15	13 35	iP; iS	32	6.0	
15	16 03	eP; eS	24		Very small.
16	18 33	iP; iS	17	1.7	
17	12 17	eP			Very small.
17	17 40	iP; iS	20	1.5	
18	02 34	eP; iS	12		Very small.
18	14 02	iP			Very small.
18	14 34	eP; eS	11		Very small.
19	04 57	eP; eS	19		Very small.
20	15 13	iP; iS			Very small.

DATE	GREENWICH TIME h		PHASE	S - P (secs)	AMP. (mms)	R E M A R K S
SEPT						
21	09	53	eP			Very small.
22	03	28	eP; eS	182	4.0	
23	08	08	eP			Very small.
23	10	18	iP; iS	14	4.0	
23	14	32	eP			Very small.
24	00	00	eP			Very small.
25	18	27	iP; iS	41	14.0	
26	02	28	eP			Very small.
26	19	15	eP			Very small.
27	12	25	iP; iS	22	4.0	
27	14	53	iP; iS	34	3.0	
28	08	12	iP; iS	19	6.0	
28	21	14	eP			Very small.
30	03	06	iP; iS	26	10.0	
30	14	26	iP; iS	35		

International Seismological Centre

REPUBLIC OF THE PHILIPPINES
Department of Commerce and Industry
WEATHER BUREAU
Manila

NO. 82

OCTOBER 1955

ϕ = 14° 40' N. λ = 121° 05' E. h = 70.4 m. Tuff

International Seismological Centre

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work).
Sprengnether seismometers, Series D-H; 1 E-W horizontal component and 1 vertical component; Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	REMARKS
	1955 OCT.						
473	1	ePE eSE	20	02 02	16 49	290	NOTE: Microseismic amplitudes started to increase on Oct. 3 and masked the records up to Oct. 9. This was due to a tropical storm in the China Sea. (Data taken from the vertical component and from the torsion seismometer oriented E-W.)
474	4	iPEZ eSEZ	12	40 40	34 41	60	Moderate.
475	8	iPZ iSZ	13	39 39	16 33	150	
476	9	iPZ ePR$_1$	17	47 48	27 59		Very small.
477	9	ePZ iSZ	18	02 03	50 13	200	Small.
478	9	ePZ iSZ	18	06 06	16 33	235	
479	9	iPZ iSZ	22	40 40	07 29	190	Biggest of the series.
480	9	iPZ iSZ	22	44 45	59 22	200	
481	10	iPEZ iSEZ	00	21 21	08 42	300	
482	10	eZ	03	59	12		

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE KMS.	R E M A R K S
	1955 OCT						
483	10	iPEZ	09	04	54	4,200	
		ePR$_1$EZ		06	34		
		iSEZ		10	40		
484	11	iPEZ	00	25	45	365	
		eSEZ		25	36		
485	11	iPEZ	01	13	10	265	
		iSEZ		18	40		
486	11	eiPEZ	13	29	27		Very small.
487	12	e	05	24	47		Very small.
488	12	ePZ	10	41	05	185	Very small.
		eSZ		41	26		
489	13	iPEZ	09	35	13	5,400	Small to moderate.
		ePR$_1$EZ		37	24		
		eSEZ		41	52		
490	13	ePNEZ	17	52	35	950	Small.
		iSEZ		54	09		
491	13	ePNEZ	19	21	39	200	Very small.
		eSEZ		22	02		
492	17	eEZ	04	48	38		Very small; teleseismic.
493	18	ePEZ	05	36	33	40	Extremely small.
		eSEZ		36	38		
494	19	iPEZ	10	02	43	5,350	
		iSEZ		09	30		
495	19	ePEZ	12	12	13	500	Small.
		eSEZ		13	09		
496	19	ePEZ	13	22	42		Very small.
497	19	ePNEZ	23	35	24	465	Small.
		eSNE		36	16		
498	20	ePNE	06	30	16	460	Very small.
		iSN		31	08		
499	20	ePNEZ	19	41	01	310	Very small.
		eSNEZ		41	36		
500	21	iPEZ	04	07	43		Very small; local.
501	21	ePEZ	05	56	34	195	Very small.
		eSEZ		56	56		
502	21	ePEZ	16	51	44	285	Very small.
		eSZ		52	16		
503	21	iNEZ	19	12	46		Very small; teleseismic.

International Seismological Centre

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 OCT.						
504	21	eiPNEZ	23	13	25		Moderate.
505	22	iPEZ	11	22	18		
506	22	iPEZ iSEZ	12	42 42	13 35	195	Largest in a series of small tremors.
507	22	iPEZ iSEZ	12	47 47	29 41	195	
508	22	iPEZ iSEZ	12	51 51	10 32	195	
509	22	iPZ iSZ	13	20 20	00 22	195	
510	23	ePEZ iSEZ	06	21 22	41 02	190	Very small.
511	27	iPEZ iSEZ	06	41 41	15 49	300	Very small.
512	28	eZ	04	50	07		
513	30	eiPNEZ iSEZ	11	38 41	35 20	1,800	
514	31	eZ	01	16	18		Very small.

The following tremors were reported felt but were not recorded in Manila:

PLACE	DATE	TIME (GMT) h	m	INTENSITY	DURATION	DIRECTION
DADIANGAS	Oct. 10	08	38	III	25"	E - W
SURIGAO	" 17	07	12	II	07"	------
ROXAS CITY	" 21	14	16	II	06"	------
APARRI	" 27	04	42	II	06"	E - W

International Seismological Centre

REPUBLIC OF THE PHILIPPINES
Department of Commerce and Industry
WEATHER BUREAU
Manila

NO. 83

NOVEMBER 1955

ϕ = 14° 40' N. λ = 121° 05' E. h = 70.4 m. Tuff

International Seismological Centre

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work).
Sprengnether seismometers, Series D-H; 1 E-W horizontal component and 1 vertical component; Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 NOV.						
515	1	ePEZ	02	29	05	335	Small.
		iSEZ		29	43		
516	2	iPNEZ	18	38	59	1,250	Tentative epicenter: 5° N; 126° E. Off the S coast of Mindanao Felt at: Gen. Santos Int. III
		iSNEZ		41	07		
517	2	ePNEZ	23	42	59	275	Small.
		iSNEZ		43	31		
518	3	iPEZ	20	02	11	165	Note: Primary of another very similar quake was superimposed on the secondary of the preceding quake. Readings of the secondary of the superimposed quake follows: iS 20 03 04
		iSEZ		02	29		
519	3	e	21	43	31		Very small.
520	4	e	14	12	26		Very small; local.
521	4	e	23	03	59		Very small.
522	5	iPNZ	12	25	30	1,200	Off the E coast of Mindanao Felt at: Hinatuan Int. II Davao II Slightly deeper than normal.
		eSNZ		27	28		
523	6	ePNEZ	12	08	42	265	
		iSNEZ		09	12		
524	6	eEZ	14	03	42		
525	6	ePNEZ	21	52	26	150	
		iSNEZ		52	43		

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	REMARKS
	1955 NOV.						
526	7	e	17	25	29		
527	7	ePEZ	21	39	45	240	Very small.
		iSEZ		40	12		
528	8	ePE	00	19	19	150	
		iSE		19	36		
529	8	iPE	03	45	21	370	
		iSE		46	02		
530	10	iPZ	01	55	18	8,000	Depth: about 100 kms.
		ePR_1Z		57	56		
		eiSZ	02	07	02		
531	11	iPNEZ	11	30	29	695	Felt at: Hinatuan Int. II
		iSNEZ		31	47		
532	12	ePNEZ	10	15	09		
		eNEZ		17	04		
533	12	iPNEZ	11	14	02	695	Tentative epicenter: 10° 20' N; 125° 30' E. Felt at: Surigao Int. IV Hinatuan II
		iSNEZ		15	20		
534	14	iPZ	03	18	17		
535	14	iPZ	13	28	16		Small. Large microseisms on the horizontals.
		iZ		28	44		
536	14	iPZ	21	24	46	140	Very small. Very large microseisms on the horizontals.
		iSZ		25	02		
537	15	iPE	15	22	44	140	Large amplitudes. H= 15-22-21. Tentative epicenter: 15° 40' N; 120° 15' E. Felt at: Dagupan Int. IV Iba IV Manila III
		iSE		23	00		
538	16	iPE	06	41	35	140	Large amplitudes. Tentative epicenter: 15° 40' N; 120° 15' E. Felt at: Dagupan Int. III Manila III
		iSE		41	51		
539	16	ePEZ	13	31	42		Very small; local.
540	16	ePEZ	14	41	10		Probable aftershock of quake No. 537
541	16	ePEZ	18	39	11		Probable aftershock.
542	16	ePEZ	21	52	25		Probable aftershock.
543	16	ePEZ	22	12	42		Probable aftershock.

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NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 NOV.						
544	17	ePEZ	00	03	23		Very small. Probable aftershock.
545	17	iPEZ	00	09	56	140	Probable aftershock.
		iSEZ		10	12		
546	17	ePEZ	00	19	20		Very small. Probable aftershock.
547	17	eEZ	00	35	42		Very small. Probable aftershock.
548	17	ePEZ	19	07	20	140	Probable aftershock.
		iSEZ		07	36		
549	18	iPEZ	08	29	23	525	
		iSEZ		30	22		
550	18	ePEZ	10	52	33		Very small.
551	19	ePEZ	03	43	07	530	Very small.
		eSEZ		44	07		
552	19	ePEZ	04	29	31	560	Small.
		eSEZ		30	34		
553	19	ePEZ	08	35	27		Very small.
554	19	ePEZ	11	12	20	480	Small.
		eSEZ		13	14		
555	21	ePZ	21	14	45	445	Very small.
		eSZ		15	35		
556	23	eZ	04	59	01		Note: From Nov. 23 to Nov. 30 there were large microseisms on the horizontals.
557	23	iPEZ	06	38	52	5,300	Small to moderate.
		ePR_1EZ		40	39		
		iSEZ		45	32		
558	23	iPZ	13	30	23	345	
		iSEZ		31	02		
559	24	iPEZ	04	52	36	530	Tentative epicenter: 18^{o} 55' N; 121^{o} 10' E. Felt at: Calayan Int. IV, Aparri III, Laoag II
		iSEZ		53	36		
560	27	iPEZ	19	32	42	1,045	Small to moderate.
		eiSEZ		34	39		
561	29	ePZ	03	59	11	580	Small. Felt at: Calayan Int. IV, Aparri II
		eSZ	04	00	16		

International Seismological Centre

REPUBLIC OF THE PHILIPPINES
Department of Commerce and Industry
WEATHER BUREAU
Manila

International Seismological Centre

NO. 84

DECEMBER 1955

ϕ = 14° 40' N. λ = 121° 05' E. h = 70.4 m.Tuff

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INSTRUMENTS

2 Sprengnether horizontal seismometers, Series H (for microseismic work).
Sprengnether seismometers, Series D-H; 1 E-W horizontal component and
1 vertical component; Series H for N-S component (long period).

Data taken from Sprengnether Series D-H and Series H N-S component.

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 DEC.						
562	5	iPEZ iSEZ	02	32 33	36 09	290	Small. Felt at: Tuguegarao Int. III Bangued I
563	5	ePE iSE	18	13 13	11 49	335	Small to moderate. Felt at: Tuguegarao Int. V Bangued II
564	6	ePNE iSNE	18	01 02	47 16	255	Small.
565	7	iPEZ iSEZ	13	58 58	27 40	110	Small.
566	7	iPEZ eSEZ	15	08 12	23 33	2,750	Small to moderate.
567	8	e	02	14	30		Teleseismic.
568	8	iPEZ iPR$_1$Z iSEZ	17	42 43 47	22 43 22	3,700	Small.
569	12	iPEZ eSEZ	09	01 03	36 40	1,200	Small. Depth: 100 kms. ca. Felt at: Gen. Santos Int. III Davao City II
570	13	iPEZ	13	41	07		Very small.
571	14	iPEZ	10	57	38		Very small. Microseisms started rising on Dec. 14. Amplitudes large until Dec. 18.
572	18	iPEZ eSEZ	20	00 00	03 13	85	Felt at: Batangas Int. III Calapan III

NO.	DATE	PHASE	GREENWICH TIME h	m	s	DISTANCE Kms.	R E M A R K S
	1955 DEC.						
573	19	iPE	03	16	56	985	Moderate.
		eSE		18	46		
574	20	ePE	18	24	55		Very small.
575	22	iPEZ	22	00	25	335	Moderate.
		iSEZ		01	03		
576	23	iPEZ	01	50	51	310	Small to moderate.
		iSEZ		51	26		
577	25	ePE	13	53	46	220	Very small.
		eSE		54	11		
578	26	ePNE	06	28	52		Very small.
		e		30	00		
579	26	ePE	08	27	31	110	Very small.
		iSE		27	44		
580	26	eE	22	03	15		Very small.
581	27	ePE	02	36	55	390	Very small.
		eSE		37	39		
582	27	iPNE	08	52	20	2,700	Small to moderate.
		iSNE		56	34		Depth: 100 kms. ca.
583	27	ePE	10	32	24	155	
		iSE		32	42		
584	28	iPE	02	36	24	175	
		iSE		36	44		
585	29	eEZ	08	32	01		Very small.
586	29	ePEZ	20	35	20	175	Felt at: Baguio City Int.IV
		iSEZ		35	40		
587	30	ePEZ	05	36	27		Very small.
588	30	ePEZ	07	01	28		Very small.
589	30	iPEZ	18	02	11	155	
		iSEZ		02	29		
590	31	ePZ	15	17	41		Very small.

International Seismological Centre

L A N A O E A R T H Q U A K E O F A P R I L 1 , 1 9 5 5

International Seismological Centre

A major earthquake occurred on April 1st at 2:16 AM Manila time (March 31st, 18:16 GMT) affecting the whole Visayas and Mindanao areas. It was centered at 7° 55' N ; 124° 05' E or between Lake Lanao and Panguil Bay, Lanao Province. The maximum intensity observed was of Intensity VIII (Rossi-Forel Scale Adapted) in portions of the Lanao Lake area. Intensities in other places affected are given below:

OZAMIS CITY	INTENSITY	VII
DIPOLOG	"	VII
MALAYBALAY	"	VI
CAGAYAN DE ORO	"	VI
DUMAGUETE	"	VI
ILOILO	"	V
MAMBAJAO	"	V
CEBU	"	V
COTABATO	"	V
DAVAO	"	V
JOLO	"	IV
ZAMBOANGA	"	IV
KINATUAN	"	IV
DADIANGAS	"	III

Severe damage was sustained in some settlements around the Lanao Lake and a total of two hundred eighty seven (287) persons died as a result of drowning when their homes slumped and became submerged into the lake water.

(A detailed final report is available upon request.)