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General Aspect of Earthquakes

From January to March, 1967.

The number of earthquakes which occurred during the period from January to March, 1967 is 235. Among them, there are 32 felt ones and 203 unfelt ones.

The remarkable earthquake which occurred on March 4th had a epicenter at 153 km. SE. of Hengchun and the focal depth was about 85 km. One of the two moderate earthquakes happened on January 29th at about 190 km. ENE. of Hwalien with a depth of 90 km while the other on February 23th at about 58 km. ENE. of Hwalien with a depth about 5 km. Those small felt area earthquakes accompanied by the local ones scattered almost along the east coast and its neighborhood

Besides those which happened in Taiwan Region, 103 distant earthquakes had been recorded by our seismometers. The data of the main earthquakes including distant ones are shown on the latter part of this bulletin.

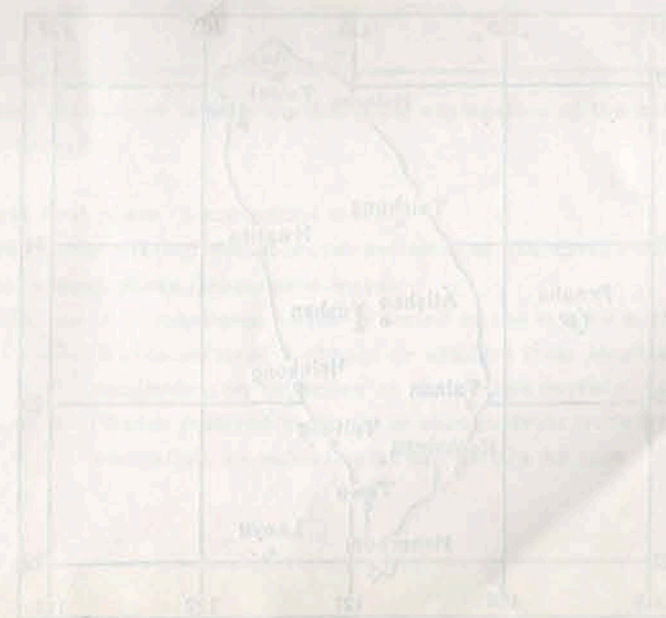


Table I. Geographical coordinates of the Seismological Station, Taiwan China.

λ :Longitude φ :Geographical Latitude
 φ' :Geocentric Latitude
 $a = \cos\varphi' \cos\lambda$ $b = \cos\varphi' \sin\lambda$ $c = \sin\varphi'$

Station	φ :(N)	λ :(E)	φ'	Altitude	Subsoil	a	b	c	Seismographs
Anpu	25.11	121.31	25.20	835.2	Andesite	-0.4736	+0.7725	+0.4231	SP(H.V.)LP(H.L.)
Alishan(mt.)	23.31	120.48	23.22	2406.1	Miocene Sands	-0.4700	+0.7855	+0.3966	W.(H.V.)O.S ₁
Hengchun	22.00	120.45	21.52	22.3	Alluvium	-0.4754	+0.7976	+0.3724	W.(H.V.)S ₂
Hsinkong	23.06	121.22	22.58	36.5	"	-0.4793	+0.7862	+0.3901	P ₁ S ₂ W.(H.V.)A ₁
Hsinchu	24.48	120.48	24.39	32.8	"	-0.4677	+0.7793	+0.4171	P ₁ S ₂
Hwalien	23.58	121.37	23.49	17.6	"	-0.4796	+0.7791	+0.4038	W.(H.V.)P ₁ S ₂ A ₂
Ilan	24.46	121.45	24.73	7.4	"	-0.4784	+0.7731	+0.4165	W.(H.V.)P ₁ S ₁
Kaohsiung	22.37	120.16	22.29	33.1	"	-0.4657	+0.7981	+0.3824	P ₁ S ₁
Lanyu	22.02	121.33	21.54	332.2	Basalt	-0.4881	+0.7950	+0.3730	P ₂
Penghu	23.32	119.33	23.23	9.4	"	-0.4527	+0.7985	+0.3969	P ₁
Taipei	25.02	121.31	24.53	8.0	Alluvium	-0.4742	+0.7733	+0.4208	W.(H.V.)O.S ₁ P ₃ A ₁
Tawu	22.21	120.54	22.13	7.6	"	-0.4754	+0.7944	+0.3781	W.(H.V.)S ₁
Taitung	22.45	121.09	22.37	8.9	"	-0.4775	+0.7900	+0.3846	W.(H.V.)S ₂
Tainan	23.00	120.13	22.52	12.7	"	-0.4637	+0.7962	+0.3886	W.(H.V.)P ₁ S ₁ A ₁
Taichung	24.09	120.41	24.00	77.1	"	-0.4662	+0.7856	+0.4067	W.(H.V.)S ₂ P ₁
Yushan(Mt. Marrison)	23.29	120.57	23.21	3850.0	"	-0.4722	+0.7873	+0.3964	P ₁

- W(H): Wiechert's horizontal seismograph.
- W(V): Wiechert's vertical seismograph.
- O : Omori's horizontal seismograph. (V:20)
- P₁ : C. M. O. type horizontal portable seismograph. (V:40)
- P₂ : Three component portable seismograph. (V:20)
- P₃ : Higuti-C. M. O. type short period, horizontal seismograph. (V:50)
- S₁ : C. M. O. type three component strong motion seismograph. (V:2)
- S₂ : Higuti-C. M. O. type three component strong motion seismograph. (V:1)
- A₁ : Isinmoto's three component acceleration seismograph.
- A₂ : Higuti's three component strong motion accelerometer.
- S.P. : Benioff short-period seismograph.
- L.P. : Sprengnether long-period seismograph.

Map showing the position of Seismological Station in Taiwan, China.

Figure 1

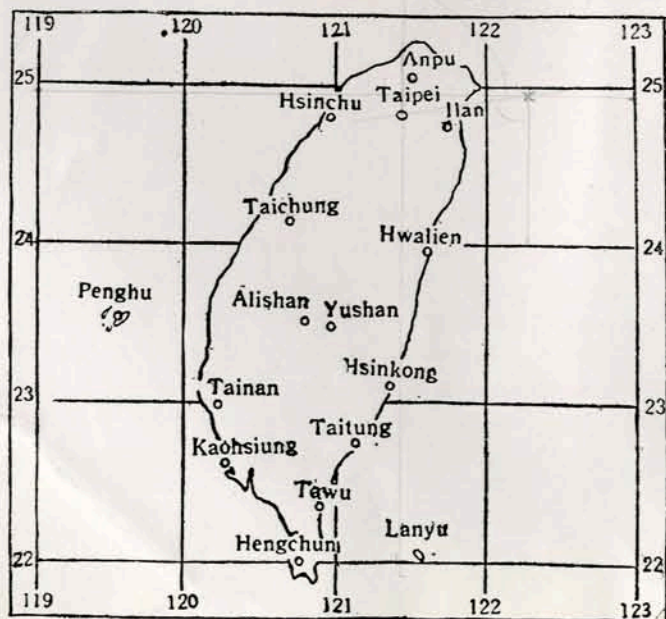


Table II. Specification of instruments:-

Mass of the pendulum M (kg) Friction r (mm.²)
Magnification V. Proper period of the pendulum To(sec.)
Damping ratio ν . Proper period of the galvanometer Tg(sec.)

The Constants of Seismographs are as follows.

Seismograph	Component	M.	V.	ν .	r.	To	Tg
W(H)	E-W	200	77	9	0.10	5.1	
	N-S	200	78	9	0.13	5.1	
	U-D	80	75	8	0.08	5.1	
W(V)	E-W	18	40	8	0.13	5.1	
	N-S	18	40	8	0.13	5.1	
P ₁	E-W	10	20	2	0.24	4.0	
	N-S	10	20	2	0.41	4.0	
	U-D	7.5	20	2	0.29	4.0	
P ₂	E-W	20	49	10	0.08	2.2	
	N-S	20	49	10	0.08	2.3	
	U-D	15	20	3	0.05	15.7	
O	E-W	15	20	3	0.08	15.1	
	N-S	15	20	3	0.08	15.1	
S ₁	E-W	2	2	4	0.06	3.8	
	N-S	2	2	4	0.06	3.8	
	U-D	1.5	2	8	0.06	3.5	
S ₂	E-W	4	1	8	0.04	6.0	
	N-S	4	1	8	0.04	6.0	
	U-D	2	1	8	0.03	5.0	
A ₁	E-W	15	220	10	0.025	0.10	
	N-S	15	220	10	0.009	0.10	
	U-D	15	170	10	0.006	0.08	
A ₂	E-W	1	16	10	0.01	0.11	
	N-S	1	16	10	0.02	0.10	
	U-D	1	16	10	0.01	0.11	
SP	E-W	107.5	6.250	17		1.0	0.75
	N-S	107.5	6.250	17		1.0	0.75
	U-D	107.5	6.250	17		1.0	0.75
LP	E-W	10.75	750	∞		30.0	100.0
	N-S	10.75	750	∞		30.0	100.0
	U-D	11.2	750	∞		30.0	100.0

The present publication inserts the following explanation of the notations only in the first number hereafter.

1. Phase.
 - P: Normal first phase (Longitudinal waves)
 - pP, PP, PPP,.....: Longitudinal waves reflected at the earth's surface.
 - S: Normal second phase (transverse waves)
 - sS, SS, SSS,.....: Transverse waves reflected at the earth's surface.
 - PS, PPS,.....: Waves suffered a change or changes from longitudinal to transverse oscillation, on reflection at the earth's surface.
 - SP, SPP,.....: Waves suffered a change or changes from transverse to longitudinal oscillation, on reflection at the earth's surface.

- L : Long waves at the beginning of the surface swaves.
 - Q : Shorter and more regular waves in the surface waves.
 - M : Largest motion in the surface waves.
 - C : Tail or end potrion.
 - F : End of the discernible movement
 - Δ : Epicentral distance.
 - ΔH : Focal distance.
 - H : Depth of focus.
 - μ : Micron.
 - P-S : Duration of Preliminary tremor.
2. Nature of the motion.
- i : Sudden commencemet of a phase.
 - e : Gradual or indistinct commencement of a phase.
 - ? : Questionable or uncertain.
3. Period and Initial motion.
- T : Period, duration of one complete oscillation.
 - I : Amplitude of the true displacement of the ground from the position at rest.
 - I_N : N-S component of I.
 - I_E : E-W component of I.
 - I_Z : Vertical component of I.
- Displacement to the north, east and upward are regarded as positive.

4. Scales of seismic intensity,

The intensity of the shock is estimated according to the scales O-VI, as follows:

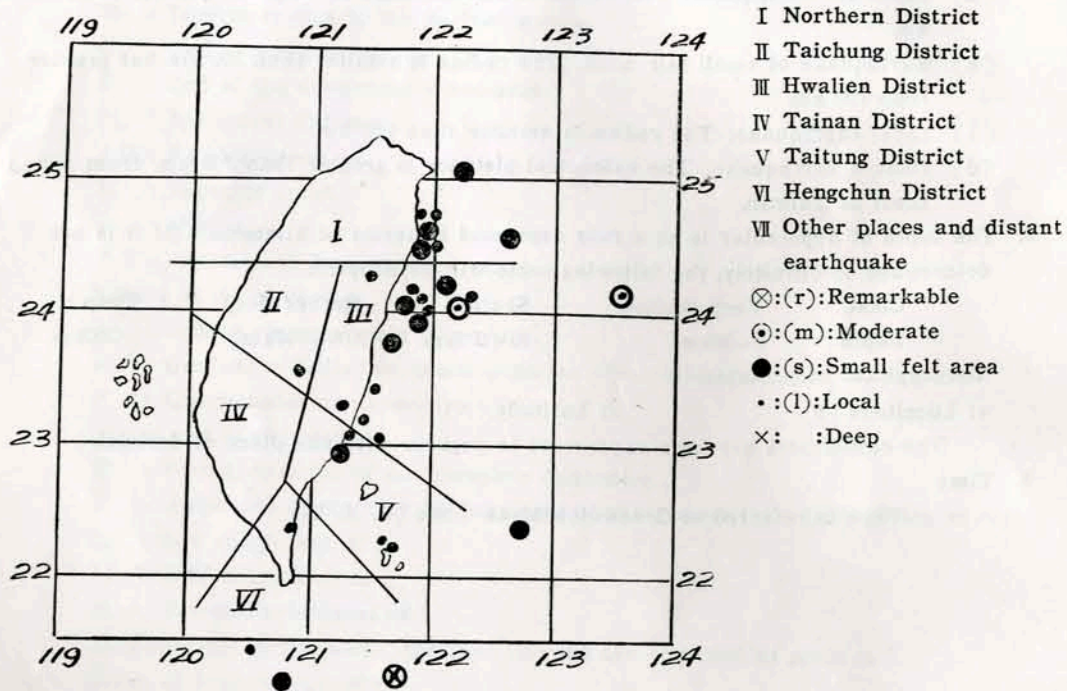
- O : No feeling: Shocks too weak to cause human feelings, registered only by seismographs.
- I : Slight: Extremely feeble shocks only felt by persons at rest or by those who are observant to an earthquake.
- II : Weak: Shocks felt by most persons, slight shaking of doors and latticed sidding doors.
- III : Rather stong: Slight shaking of houses and buildings, ratting of doors and latticed slidding doors, swinging of hanging objects like the electric lamps, moving of liquids in vessels.
- IV : Strong: Strong shaking of houses and buildings, overturning of unstable objects spilling of liquids out of vesesls.
- V : Very Strong: Cracks in the walls, ouerturning of gravestones, etc, lanterns etc, damaging of chimneys and mud and-plaster warehouses.
- VI : Disastrous : Demolition of houses landslips, fissures on the reads, the ground etc.

	No Feeling	Slight	Weak	Rather Strong	Strong	Very Strong	Disastrous
Scale Acceleration (gal)	O <-0.8	I 0.8-2.5	II 2.5-8	III 8-25	IV 25-80	V 80-250	VI 250<

5. The magnitude of an earthquake is classified to the radius of the felt area assumed, roughly to be a circle as follows:-

- (r) Remarkable earthquake: The radius of the felt aree is gaeater than 300 km.
 - (m) Moderate earthquake: The radius is smaller than 300 km. but greater than 200 km.
 - (s) Earthquake of small felt area: The radius is smaller than 200 km. but greater than 100 km.
 - (l) Local earthquake: The radius is smaller than 100 km.
 - (d) Distant earthquake: The epicentral pistance is greater than 300 km. from the coast of Taiwan.
6. The depth of hypocenter is as a rule expressed in terms of kilometers, If it is not determined so difinitely, the following scale will be adopted.
- | Class | Very shallow | Shallow | Rather deep | Deep |
|-------|--------------|-----------|-------------|---------|
| Depth | 0~30km. | 30~100km. | 100~200km. | >200km. |
7. Geographical coordinates:
 λ : Longitude (E) φ : Latitude (N)
 The coordinates are been expressed in degrees with one place of decimal.
8. Time
 Time is referred to Greenwich Mean Time (G. M. T.)

Epicenters of Felt Earthquakes From January to March 1967



Number of earthquakes classified according to its magnitude and districts January to March, 1967

Classification	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Remarkable	Moderate	Small felt area	Local	Total		
Northern District	—	—	4	3	7	50	57
Taichung "	—	—	—	1	1	9	10
Hwalien "	—	2	5	8	15	61	76
Tainan "	—	—	—	—	0	1	1
Taitung "	—	—	1	4	5	63	68
Hengchun "	1	—	1	2	4	19	23
Total	1	2	11	18	32	203	235
Other places	—	—	—	—	0	103	103

The Felt Earthquakes Which Occurred from January to March, 1967

No.	Month	P. (G. M. T.)			Mag-nitude	Epicenter	Latitude		Longitude	Depth
		d.	h.	m.			N.	E.		
1	Jan.	3	18	06	L	About 40 km. SSW. of Ilan				10
2	"	4	03	41(40)	S	About 140 km. S. of Hengchun	20.8	120.7		40
3	"	9	09	39	L	About 74 km. ENE. of Hwalien				80
4	"	12	00	49	L	About 13 km. ENE. of Ilan				
5	"	12	01	06	L	"				
6	"	17	18	17	L	Near Hsinkong				
7	"	22	23	08	L	About 60 km. SSW. of Hengchun				40
8	"	23	22	44	L	Near Lanyu				
9	"	25	17	36	L	Near yushan				
10	"	26	10	05(02)	S	About 20 km. ENE. of Hwalien	24.1	121.8		20
11	"	26	10	07	L	"				
12	"	26	12	27	L	"				
13	"	27	02	19(53)	S	About 166 km. ESE. of Taitung	22.4	122.7		50
14	"	28	01	40(29)	S	About 20 km. SE. of Ilan	24.5	121.9		10
15	"	29	15	06(42)	S	About 15 km. SSW. of Hsinkong	23.0	121.3		5
16	"	29	15	42(04)	M	About 190 km. ENE. of Hwalien	24.1	123.5		90
17	"	31	01	19	L	Near Tawu				
18	"	31	20	58(46)	S	About 20 km. ENE. of Hwalien	23.9	121.8		20
19	Feb.	13	06	02(17)	S	About 60 km. ENE. of Hwalien	24.2	122.1		10
20	"	13	08	56	L	About 32 km. ENE. of Hwalien				40
21	"	14	22	20	L	Near Lanyu				
22	"	22	07	54	L	About 23 km. ESE. of Hsinkong				35
23	"	23	14	25(48)	M	About 58 km. ENE. of Hwalien	24.1	122.1		5
24	"	25	06	48(37)	S	About 70 km. E. of Taipei	25.1	122.2		30
25	"	25	13	16	L	About 19 km. NNW. of Hsinkong				5
26	Mar.	4	01	12(35)	S	About 28 km. ESE. of Ilan	24.6	121.9		50
27	"	4	05	09(22)	R	About 153 km. SE. of Hengchun	20.9	121.7		85
28	"	22	06	56	L	Kear Hsinkong				
29	"	22	23	26	L	About 20 km. NNE. of Hsinkong				20
30	"	24	01	08(09)	S	About 25 km. SSE. of Hwalien	23.8	121.7		20
31	"	25	07	35(20)	S	About 95 km. ESE. of Ilan	24.5	122.6		40
32	"	26	13	36	L	About 35 km. SSE. of Ilan				30

This is correct, A. Ato

The Unfelt Earthquakes Which Occurred from January to March, 1967

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1	Dec.	31	18	31	d	35	Jan.	6	21	31	Taitung district
2	"	31	22	24	d	36	"	6	23	39	"
3	Jan.	1	04	31	d	37	"	7	00	41	d
4	"	1	07	17	d	38	"	7	11	42	d
5	"	1	22	12	d	39	"	7	16	18	Near Hwalien
6	"	2	01	46	About 38 km. SSE. of Ilan	40	"	7	16	49	d
7	"	2	02	28	d	41	"	8	03	11	Taitung district
8	"	2	14	47	Taitung district	42	"	8	05	19	d
9	"	2	17	42	Hengchun district	43	"	10	08	26	d
10	"	2	17	46	"	44	"	10	17	10	Taitung district
11	"	2	18	06	Hwalien district	45	"	11	05	59	d
12	"	2	19	04	Hengchun district	46	"	11	09	13	Near Hsinkong
13	"	2	19	50	"	47	"	11	11	35	d
14	"	2	20	08	d	48	"	11	15	33	About 31 km. SW. of Hwalien
15	"	2	23	41	Hengchun district	49	"	11	16	15	About 105 km. E. of Taitung
16	"	3	05	15	d	50	"	11	16	20	Taitung district
17	"	3	06	05	Near Hsinkong	51	"	11	20	11	Hwalien district
18	"	3	11	22	d	52	"	12	01	29	Northern district
19	"	3	21	33	d	53	"	12	02	06	About 32 km. S. of Ilan
20	"	4	03	07	d	54	"	13	13	57	d
21	"	4	03	x	d	55	"	14	08	42	Hwalien district
22	"	4	04	17	Taitung district	56	"	14	13	25	d
23	"	4	14	38	About 170 km. E. of Ilan	57	"	15	01	14	About 40 km. E. of Ilan
24	"	4	14	49	Northern district	58	"	15	06	34	Near Hwalien
25	"	4	14	58	Taitung district	59	"	15	13	13	Northern district
26	"	5	00	20	d	60	"	15	20	14	d
27	"	6	00	09		61	"	16	05	02	d
28	"	5	05	11	Northern district	62	"	16	11	17	d
29	"	5	06	15	Taitung district	63	"	16	14	35	d
30	"	5	12	11	Hwalien district	64	"	17	01	24	d
31	"	5	17	31	Near Hwalien	65	"	17	04	04	Near Hwalien
32	"	6	00	09	d	66	"	17	05	26	"
33	"	6	10	08	d	67	"	17	11	37	Near Hsinkong
34	"	6	18	06	Hwalien district	68	"	17	12	04	d

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
69	Jan.	17	17	16	About 105 km. ENE. of Hwalien	104	Jan.	27	03	33	Taitung district
70	"	17	17	53	Taitung district	105	"	27	05	46	Northern district
71	"	18	05	40	d	106	"	27	18	24	Taitung district
72	"	18	13	39	Near Hwalien	107	"	28	14	02	d
73	"	18	15	13	About 101 km. ESE. of Ilan	108	"	28	17	43	d
74	"	18	15	17	About 140 km. ESE. of Hwalien	109	"	29	17	55	Near Tawu
75	"	18	15	21	Northern district	110	"	30	05	41	Taitung district
76	"	19	13	09	"	111	"	30	19	57	Northern district
77	"	19	12	48	d	112	"	30	20	12	"
78	"	19	12	51	Hwalien district	113	Feb.	1	03	02	Near Hwalien
79	"	19	17	30	About 93 km. ENE. of Hwalien	114	"	1	13	44	Hwalien district
80	"	19	19	38	Northern district	115	"	2	07	33	d
81	"	20	02	03	d	116	"	2	16	29	d
82	"	21	03	25	d	117	"	3	02	58	Taitung district
83	"	21	09	15	Northern district	118	"	3	08	23	d
84	"	21	16	45	Near Hengchun	119	"	3	12	53	d
85	"	22	08	34	Northern district	120	"	3	12	57	Taitung district
86	"	22	11	54	"	121	"	4	01	25	Hwalien district
87	"	22	11	54	d	122	"	4	07	49	Near Anpu
88	"	22	17	01	Taitung district	123	"	4	17	53	d
89	"	23	03	04	"	124	"	5	17	54	Taichung district
90	"	23	07	48	"	125	"	5	20	08	Near Hwalien
91	"	23	20	51	d	126	"	6	04	29	Hengchun district
92	"	23	22	44	Near Lanyu	127	"	6	23	14	About 85 km. ESE. of Hwalien
93	"	24	03	10	d	128	"	7	06	41	Northern district
94	"	24	04	53	Taichung district	129	"	7	08	34	d
95	"	24	06	56	Taitung district	130	"	7	18	56	About 41 km. ESE. of Ilan
96	"	24	09	51	d	131	"	7	20	55	Northern district
97	"	24	14	49	d	132	"	8	07	21	d
98	"	24	16	19	Taitung district	133	"	8	17	30	d
99	"	25	01	58	d	134	"	8	18	09	Northern district
100	"	25	02	31	Northern district	135	"	9	03	48	Hwalien district
101	"	25	05	55	"	136	"	9	11	01	Near Hwalien
102	"	25	07	22	About 35 km. SSE. of Ilan	137	"	9	15	44	d
103	"	25	23	22	Northern district	138	"	10	13	49	Hwalien district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
139	Feb.	11	09	38	d	174	Feb.	24	13	58	Taitung district
140	"	11	13	53	Northern district	175	"	24	15	31	Northern district
141	"	11	15	03	Near Taipei	176	"	25	05	34	Taitung district
142	"	11	17	56	Northern district	177	"	25	11	25	d
143	"	13	00	12	About 61 km. SE. of Ilan	178	"	25	11	44	Taitung district
144	"	13	01	20	Hwalien district	179	"	25	15	17	Northern district
145	"	13	06	11	Northern district	180	"	26	02	52	Taitung district
146	"	13	21	19	Hwalien district	181	"	26	05	10	"
147	"	13	23	32	d	182	"	26	06	41	d
148	"	14	01	40	d	183	"	26	08	57	d
149	"	15	06	03	d	184	"	27	01	00	Taichung district
150	"	15	06	10	Taichung district	185	"	27	10	06	"
151	"	15	16	30	d	186	"	27	19	00	Hwalien district
152	"	16	05	49	Taitung district	187	"	27	22	06	About 80 km. ENE. of Hwalien
153	"	16	19	23	Near Anpu	188	"	28	09	41	d
154	"	16	19	25	"	189	"	28	13	34	Near Hsinkong
155	"	17	00	42	d	190	"	28	21	33	Taitung district
156	"	17	10	22	Taitung district	191	Mar.	1	02	15	"
157	"	17	10	52	d	192	"	1	14	29	d
158	"	17	11	48	Hengchun district	193	"	1	17	27	Northern district
159	"	17	17	30	"	194	"	1	18	44	d
160	"	17	19	53	Taitung district	195	"	2	03	28	d
161	"	18	02	53	d	196	"	2	10	20	Taitung district
162	"	19	11	42	Hengchun district	197	"	2	15	43	"
163	"	19	22	19	d	198	"	2	18	28	Northern district
164	"	19	23	32	d	199	"	2	21	07	d
165	"	20	01	49	Hwalien district	200	"	3	08	58	d
166	"	20	21	53	Near Hwalien	201	"	3	09	54	About 60 km. ESE. of Hwalien
167	"	21	04	47	Taitung district	202	"	4	05	19	Taitung district
168	"	21	06	10	Near Anpu	203	"	4	05	26	Hwalien district
169	"	21	09	17	d	204	"	4	07	03	About 53 km. NNE. of Hwalien
170	"	21	18	47	d	205	"	4	14	24	About 20 km. E. of Hsinkong
171	"	22	18	37	d	206	"	4	15	30	Near Tawu
172	"	22	22	29	Northern district	207	"	4	17	03	Northern district
173	"	23	20	28	d	208	"	4	18	10	d

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
209	Mar.	5	12	18	Hwalien district	244	Mar.	17	11	32	d
210	"	6	04	43	d	245	"	17	11	56	Taitung district
211	"	6	04	46	Hwalien district	246	"	17	19	20	Near Alishan
212	"	7	00	27	Taitung district	247	"	17	19	47	Near yushan
213	"	7	05	14	"	248	"	17	23	43	Taitung district
214	"	9	07	08	d	249	"	18	14	40	"
215	"	9	18	12	d	250	"	18	17	46	d
216	"	10	00	34	Taitung district	251	"	19	00	18	Hwalien district
217	"	10	00	44	Near Taitung	252	"	19	00	58	Near Anpu
218	"	10	00	50	Northern district	253	"	19	01	17	d
219	"	10	17	37	Taitung district	254	"	19	04	07	d
220	"	10	19	40	Near Tawu	255	"	19	18	51	Near Hsinkong
221	"	11	08	43	d	256	"	20	13	37	d
222	"	11	15	13	d	257	"	20	16	54	Taitung district
223	"	12	01	32	Near Hwalien	258	"	20	17	25	d
224	"	12	02	57	d	259	"	21	02	02	Northern district
225	"	12	05	52	About 73 km. E. of Tainan	260	"	20	22	15	d
226	"	12	05	59	Near Alishan	261	"	21	00	17	d
227	"	12	10	38	Taitung district	262	"	21	12	02	Northern district
228	"	12	12	01	About 35 km. SSE. of Ilan	263	"	22	03	14	Taitung district
229	"	13	05	06	d	264	"	22	11	29	About 50 km SSE. of Ilan
230	"	13	16	17	d	265	"	22	14	07	Near Hwalien
231	"	13	19	34	d	266	"	22	14	59	Taitung district
232	"	13	19	59	Taitung district	267	"	22	15	48	"
233	"	13	21	02	Hwalien district	268	"	22	15	54	"
234	"	13	21	45	Hwalien district	269	"	23	03	09	"
235	"	13	22	00	"	270	"	23	15	07	d
236	"	14	01	58	About 40 km. of Tainan	271	"	24	01	47	Taitung district
237	"	14	02	26	Hwalien district	272	"	24	04	13	About 40 km. SSE. of Ilan
238	"	14	07	03	d	273	"	24	07	41	About 50 km. SSE. of Ilan
239	"	14	13	51	Taitung district	274	"	24	08	12	Hwalien district
240	"	14	14	55	Near Anpu	275	"	24	08	47	About 47 km. NE. of Hwalien
241	"	15	21	59	Hengchun district	276	"	24	09	05	d
242	"	16	01	25	Taitung district	277	"	24	07	42	Taichung district
243	"	16	12	19	d	278	"	24	09	06	d

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
279	Mar.	24	12	58	Hwalien district	294	Mar.	28	19	33	d
280	"	24	16	57	Hengchun district	295	"	29	04	15	Northern district
281	"	25	22	54	d	296	"	29	04	29	Hwalien district
282	"	26	00	00	Near Hwalien	297	"	29	10	41	d
283	"	26	08	58	Taitung district	298	"	29	04	30	Northern district
284	"	26	11	53	Northern district	299	"	29	12	47	"
285	"	27	09	01	d	300	"	30	02	00	Near Anpu
286	"	27	10	14	Hwalien district	301	"	30	02	14	d
287	"	27	22	28	Near Taitung	302	"	30	19	01	About 37 km. ESE. of Ilan
288	"	28	02	20	Near Tawu	303	"	30	19	30	Near Hwalien
289	"	28	03	44	"	304	"	31	06	48	Northern district
290	"	28	08	28	Taitung district	305	"	31	14	36	About 42 km. E. of Hwalien
291	"	28	08	39	Hengchun district	306	"	31	15	03	Near Hwalien
292	"	28	09	18	"	307	"	31	15	04	"
293	"	28	16	01	About 63 km. ESE. of Taipei						

Major Earthquakes Which Occurred in January, 1967

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximun Amplitude			Period			P~S	Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z				
1	Hengchun	4	p	03 42 06.2	μ	μ	μ	μ	μ	μ	s	s	s	m	19.0	I 42 25	
	Tawu		ip	42 08.9	+	9	+	2								23.5	O About 140 km.
	Hsinkong		ep	42 16.2													O
	Taitung		ep	42 16.9	+	3.2	-	8.0									O S.of 42 52
	Tainan		ep	42 18.0													O Hengchun 42 46
	Alishan		p	42 21.8													O 120.7E 20. 42 58
	Yushan		ep	42 27.0													O (H=40) 43 01
	Taichung		p	42 31.9													O 41.0 43 13
	Hwalien		p	42 38.4													O 43.1 43 21
	Ilan		ep	42 47.2													O 50.4 43 37
	Taipei		ep	42 48.1													O 27.7 43 16
	Anpu		p	42 48.8													O
2	Tawu	5	ep	00 20 18.0					455	929		9.9	12.0		-5	12.2	O U.S.C.G.S.
	Penghu		p	20 23.3					295	205		6.3	4.5		-5	00.1	O

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximun Amplitude			Peried			P~S	Intensity	Epicenter & Remarks		
					N	E	Z	N	E	Z	N	E	Z					
	Hsinkong		ep	h. m. s. 20 26.7	μ	μ	μ	μ	μ	μ	s	s	s	m	12.0	O 48.1N 102.8E		
	Anpu		p	20 27.8													O Mongolia	
	Taipei		p	20 31.5				1125	1450		12.0	15.2		-4	31.5	O		
	Ilan		ip	20 33.6 + 34 - 34 - 21				324	317	296	14.7	9.5	5.8	8	57.4	O		
	Taichung		ep	20 33.8										-4	51.7	O		
	Alishan		p	20 35.9				253	319	226	11.5	10.0	13.4	12	20.4	O		
	Hwalien		p	20 39.8				1800	2600	1400	11.5	14.0	11.0	5	3.1	O		
	Kaohsiung		ep	20 40.0										-4	51.3	O		
	Yushan		ep	20 40.1										-9	8.8	O		
	Tainan		p	20 41.0										-4	50.0	O		
	Taitung		p	20 48.4				344	527	467	5.4	8.3	11.7	5	20.4	O		
	Hengchun		p	20 54.4										-8	00.0	O		
	Hsinchu		p	21 00.0													O	
3	Taitung	6	p	00 09 51.9											-4	16.0	O d	
4	Taitung	6	p	10 08 28.9													O d	
	Anpu		p	08 46.0											-4	36.0	O	
5	Taitung	11	p	05 59 11.5													O d	
	Anpu		p	59 30.0											-4	38.0	O	
6	Anpu	17	p	12 04 19.8												-4	00.2	O U.S.C.G.S.
	Taipei		ep	04 23.5												-4	6.8	O
	Hwalien		p	04 31.3													O 38.3N 142.1E	
	Taichung		ep	04 34.3													O Near east coast of Honshu Japan	
	Hsinkong		ep	04 38.1											-4	8.2	O	
	Alishan		p	05 40.5													O	
	Taitung		p	04 44.8												-4	13.7	O
	Tawu		ep	04 46.8													O	
	Tainan		ep	04 49.0													O	
	Hengchun		ep	04 52.5													O	
7	Taipei	18	ep	05 40 28.8												-10	1.7	O U.S.C.G.S.
	Anpu		p	40 56.2												-5	21.8	O 56.6N 120.8E
	Taichung		ep	41 00.1													O Eastern Russia	
	Alishan		p	41 16.3												-11	00.0	O
	Hsinkong		ep	41 46.3												-6	58.3	O

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z		
					h.	m.	s.	μ	μ	μ	μ	μ	μ		
	Ilan		ep	42 20.0									-9	39.3	O
	Taitung		p	42 54.7				115	77		5.6	9.3	-8	3.8	O
	Hwalien		p	41 57.1				115	160		7.5	8.0	-8	13.2	O
	Tainan		ep	41 58.8											O
	Tawu		ep	45 49.7											O
	Hsinchu		p	51 05.0											O
	Hengchun		ep	51 09.4											O
	Kaohsiung		ep	51 52.9											O
8	Anpu	19	p	12 48 04.2											O U.S.C.G.S.
	Taitung		p	48 04.4									-7	51.4	O 14.8S 178.8W
	Hwalien		ep	48 26.9											O Fiji Islands
	Tawu		p	49 41.4											O Region
9	Tawu	20	p	02 03 03.7											O
	Anpu		p	03 04.5									-4	42.5	O U.S.C.G.S.
	Taipei		ep	03 06.0									-5	7.5	O 48.0N 102.9E
	Taichung		ep	03 06.9											O Mongolia
	Hwalien		p	03 09.6									-4	55.8	O
	Alishan		p	03 17.4											O
	Hsinkong		ep	03 17.4									-5	48.8	O
	Taitung		ep	03 25.4									-6	36.5	O
	Tainan		p	03 22.0									-4	04.0	O
	Hengchun		p	09 50.8											O
	Ilan		p	11 42.5											O
	Kaohsiung		ep	12 36.4									-3	52.8	O
10	Anpu	24	p	03 10 43.6											O d
	Taitung		p	11 07.1									-4	10.4	O
11	Anpu	24	p	14 49 03.8											O U.S.C.G.S.
	Taipei		ep	52 21.0											O 30.1N 104.1E
	Alishan		ep	52 29.4											O Szechwan
	Ilan		ep	54 10.4											O Province
	Taitung		p	54 22.4											O China
12	Anpu	25	p	01 58 02.0											O U.S.C.G.S.
	Taitung		ep	58 11.5									-6	14.0	O 36.6N 71.6E
															O Afghanistan-USSR Border Region

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks				
					N	E	Z	N	E	Z	N	E	Z						
					h.	m.	s.	μ	μ	μ	μ	μ	μ			s	s	s	m	s
HWA 13	Hwalien	26	ip	10 05 07.4	+	μ	+ 13.8	-	μ	3800	5300	700	1.0	0.8	0.2	3.2	IV	05 11	
HSI	Hsinkong		ep	05 10.1												26.5	O	About 20	
TUS	Yushan		ep	05 17.0												12.7	I	km. ENE	
ILA	Ilan		ip	05 17.7	-	16	+	11	+	10	230	183	89	2.1	2.1	2.0	10.3	I	of Hwalien
TCU	Taichung		ip	05 18.5	-	+	20	-	23	156	151	80	1.9	1.6	2.2	12.6	I	121.8E 24.1N	
ALS	Alishan		p	05 19.9												11.1	O	(H=20)	
HSN	Hsinchu		p	05 21.6												14.2	O		
ANP	Anpu		p	05 22.8												14.2	O		
TAP	Taipei		ip	05 22.9	+	9	-	+	10	150	150		1.2	1.3		14.1	I		
TTN	Taitung		ep	05 31.2												24.2	O		
TAI	Tainan		ep	05 32.7												27.5	O		
TAW	Tawu		ep	05 34.9												23.4	O		
KAU	Kaohsiung		ep	05 36.4												28.8	O		
HEN	Hengchun		ep	05 46.4												23.7	O		
HSI 14	Hsinkong	27	ep	02 20 05.8													O		
TAW	Tawu		ep	20 08.1												12.7	O	About 166	
TTN	Taitung		ep	20 10.2												17.4	O	km. ESE.	
ALS	Alishan		p	20 25.2												24.8	O	of Taitung	
HWA	Hwalien		p	20 29.5												21.2	O	122.7E 22.4N	
ANP	Anpu		p	20 42.2												6.8	O	(H=50)	
HEN	Hengchun		ep	21 09.6												21.6	O		
TAP	Taipei		ep	21 17.7													O		
LAY	Lanyu		ep	20 18.7												02.6	I		
TUS 15	Yushan	28	ep	01 40 05.8															
HSI	Hsinkong		ep	40 29.8												19.2	II		
KAU	Kaohsiung		ep	40 30.7												25.4	O		
ILA	Ilan		ip	40 36.6	-	43	+	32	+	32	1313	1300	601	1.3	1.3	1.3	7.6	IV	About 20
ANP	Anpu		p	40 42.2												11.8	O	km. SE. of	
TAP	Taipei		ip	40 43.4	+	60	-	20	+	144	583	1700	240	1.0	1.2	1.2	8.0	II	Ilan
HSN	Hsinchu		p	40 46.0												10.9	II	121.9E 24.5N	
TCU	Taichung		ip	40 51.4	-	2	+	6	-	19	163	240	87	2.8	1.8	2.2	16.7	I	(H=10)
ALS	Alishan		p	40 56.0							243	361	110	1.0	0.5	2.1	19.5	I	
HWA	Hwalien		p	40 46.7								500	450		2.8	2.0	13.4	I	

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximun Amplitude			Period			P~S Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
TTN	Taitung		ep	h. m. s. 41 02.8	μ	μ	μ	117	143	67	1.2	1.4	1.2	26.9	O	41 30
TAI	Tainan		ep	41 05.0	-	-	-	-	-	-	-	-	-	24.0	O	41 29
TAW	Tawu		ep	41 09.2	-	-	-	-	-	-	-	-	-	23.6	O	41 33
HEN	Hengchun		p	41 09.8	-	-	-	-	-	-	-	-	-	27.4	O	41 32
PNG	Penghu		p	41 10.0	-	-	-	-	-	-	-	-	-	27.3	O	41 37
16	Hsinkong	28	ep	14 02 41.5	-	-	-	-	-	-	-	-	-	-	O	U.S.C.G.S.
	Anpu		p	02 45.7	-	-	-	-	-	-	-	-	-	8 1.3	O	52.4N 169.5W
	Hwalien		ep	02 53.0	-	-	-	-	-	-	-	-	-	-	O	Fox Islands
	Tawu		ep	03 09.5	-	-	-	-	-	-	-	-	-	-	O	Aleutian
	Taitung		p	03 14.4	-	-	-	-	-	-	-	-	-	8 0.8	O	Islands
	Taipei		ep	21 48.3	-	-	-	-	-	-	-	-	-	-	O	
KAU	17 Kaohsiung	29	ep	15 06 11.3	-	-	-	-	-	-	-	-	-	6.2	O	06 18
TTN	Taitung		ip	06 47.7 + 2.2 - 2.3 + 35.0	-	-	-	255	197	124	1.0	-	0.6	5.9	II	About 06 54
HSI	Hsinkong		p	06 48.6	-	-	-	-	-	-	-	-	-	2.3	II	km. SSW 06 51
TAW	Tawu		ip	06 53.1	-	-	-	-	-	-	-	-	-	8.5	O	of Hsinkong 07 02
ALS	Alishan		p	06 54.7	-	-	-	-	-	-	-	-	-	9.6	O	121.3E 23.0N 07 05
YUS	Yushan		ep	06 56.2	-	-	-	-	-	-	-	-	-	12.0	O	(H=5) 07 08
HWA	Hwalien		p	06 58.1	-	-	-	-	-	-	-	-	-	10.1	I	07 08
HEN	Hengchun		p	07 03.1	-	-	-	-	-	-	-	-	-	7.6	O	07 11
TCU	Taichung		p	07 06.7	-	-	-	-	-	-	-	-	-	17.6	I	07 24
TAI	Tainan		ep	07 12.0	-	-	-	-	-	-	-	-	-	14.0	O	07 26
ILA	Ilan		ep	07 16.9	-	-	-	-	-	-	-	-	-	19.5	O	07 36
ANP	Anpu		p	07 17.9	-	-	-	-	-	-	-	-	-	29.1	O	07 47
TAP	Taipei		ep	07 19.2	-	-	-	-	-	-	-	-	-	-	O	
HSN	Hsinchu		p	07 23.5	-	-	-	-	-	-	-	-	-	14.0	O	07 38
HWA	18 Hwalien	29	p	15 42 25.4	-	-	-	-	-	-	-	-	-	10.2	O	42 36
ILA	Ilan		p	42 26.0	-	-	-	-	-	-	-	-	-	24.0	O	About 42 50
HSI	Hsinkong		ep	42 26.9	-	-	-	-	-	-	-	-	-	-	O	km. ENE
ANP	Anpu		p	42 29.0	-	-	-	-	-	-	-	-	-	24.0	O	of Hwalien 42 53
ALS	Alishan		p	42 35.3	-	-	-	-	-	-	-	-	-	30.0	O	43 05
TAP	Taipei		ep	42 37.5	-	-	-	-	-	-	-	-	-	16.5	O	123.5E 24.1N 42 54
TTN	Taitung		ep	42 38.7	-	-	-	-	-	-	-	-	-	27.6	O	(H=50) 43 06
TAW	Tawu		ep	42 41.6	-	-	-	-	-	-	-	-	-	-	O	

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximun Amplitude			Period			P~S Intensity	Epicenter & Remarks		
					N	E	Z	N	E	Z	N	E	Z				
YUS	Yushan		ep	h. m. s. 42 42.0	μ	μ	μ	μ	μ	μ	s	s	s	26.5	O	43 09	
TCU	Taichung		p	42 43.7	-	-	-	-	-	-	-	-	-	-	28.0	O	43 12
HSN	Hsinchu		p	42 55.0	-	-	-	-	-	-	-	-	-	-	12.0	O	43 07
TAI	Tainan		ep	43 06.0	-	-	-	-	-	-	-	-	-	-	O		
HEN	Hengchun		p	43 50.0	-	-	-	-	-	-	-	-	-	-	O		

Major Earthquakes Which Occurred in February, 1967

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximun Amplitude			Period			P~S Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
HWA	1 Hwalien	31	ip	h. m. s. 20 58 22.0	+ 92.8	+ 5.8	- μ	8300	8800	2000	s	s	s	3.8	IV	58 26
ALS	Alishan		p	58 30.7	-	-	-	-	-	-	-	-	-	10.8	O	About 20 58 42
HSI	Hsinkong		p	58 30.8	-	-	-	-	-	-	-	-	-	15.7	I	km. ENE. 58 47
YUS	Yushan		ep	58 33.0	-	-	-	-	-	-	-	-	-	11.5	I	of Hwalien 58 45
TCU	Taichung		ip	58 33.2	-	+ 21	- 23	155	177	-	2.4	1.8	-	13.1	I	121.8E 23.9N 58 46
TAP	Taipei		p	58 35.2	-	-	-	-	-	-	-	-	-	13.8	O	(H=20) 58 49
ANP	Anpu		p	58 35.8	-	-	-	-	-	-	-	-	-	16.2	O	58 52
HSN	Hsinchu		p	58 36.6	-	-	-	-	-	-	-	-	-	10.4	O	58 47
TTN	Taitung		ep	58 44.5	-	-	-	52	52	-	2.6	3.0	-	31.8	O	59 16
TAI	Tainan		ep	58 49.4	-	-	-	-	-	-	-	-	-	23.6	O	59 13
TAW	Tawu		ep	58 49.7	-	-	-	-	-	-	-	-	-	23.2	O	59 13
ILA	Ilan		ip	58 50.0 + 11 - 14 - 26	-	-	-	192	251	90	2.4	2.0	1.4	9.4	O	58 59
HEN	Hengchun		ep	59 00.2	-	-	-	-	-	-	-	-	-	8.6	O	59 09
KAU	Kaohsiung		ep	59 02.0	-	-	-	-	-	-	-	-	-	19.0	O	59 21

FEBRUARY

2	Anpu	2	p	16 29 24.0	-	-	-	-	-	-	-	-	-	4 50.0	O	U.S.C.G.S.
	Taipei		ep	29 37.6	-	-	-	-	-	-	-	-	-	-	O	41.6N 139.7E
	Taitung		p	29 47.1	-	-	-	-	-	-	-	-	-	-	O	Hokkaido Japan
3	Anpu	7	p	08 34 08.0	-	-	-	-	-	-	-	-	-	5 28.0	O	d
	Taitung		p	34 14.7	-	-	-	-	-	-	-	-	-	-	O	
4	Hengchun	8	ep	07 21 25.2	-	-	-	-	-	-	-	-	-	-	O	
	Taitung		p	21 53.4	-	-	-	-	-	-	-	-	-	-	O	d
	Anpu		p	22 46.0	-	-	-	-	-	-	-	-	-	1 7.0	O	

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks				
					N	E	Z	N	E	Z	N	E	Z						
5	Hsinkong	9	ep	15 44 22.8	μ	μ	μ	μ	μ	μ	s	s	7 6.2	O	U.S.C.G.S.				
	Anpu		p	44 26.6	-	-	-	-	-	-	-	-	12 31.4	O	2.9N 24.9W				
	Alishan		p	44 31.0	-	-	-	-	-	-	-	-	-	O	Colombia				
	Tawu		ep	44 32.8	-	-	-	-	-	-	-	-	-	O					
	Taichung		ep	44 33.6	-	-	-	-	-	-	-	-	-	O					
	Ilan		p	44 35.1	-	-	-	-	-	-	-	-	-	O					
	Hwalien		p	44 36.8	-	-	-	-	-	-	-	-	-	O					
	Taitung		ep	44 37.1	-	-	-	-	-	-	-	-	-	O					
	Tainan		ep	44 38.0	-	-	-	-	-	-	-	-	-	O					
	Hengchun		ep	44 41.6	-	-	-	-	-	-	-	-	-	O					
	Taipei		ep	44 46.0	-	-	-	-	-	-	-	-	-	O					
	Kaohsiung		ep	44 49.0	-	-	-	-	-	-	-	-	-	O					
6	Ilan	13	p	06 02 23.2	+	7	-	14	-	44	175	192	167	1.2	1.2	2.0	8.1	I	02 31
	Anpu		p	02 26.5	-	-	-	-	-	-	-	-	-	-	-	-	4.5	O	About 02 31
	Taipei		ep	02 27.5	-	-	-	-	-	-	-	-	-	-	-	-	8.8	I	km. ENE 02 36
	Hwalien		p	02 29.9	-	-	-	-	-	92	86	50	2.4	4.8	2.5	11.0	I	of Hwalien 02 41	
	Hsinchu		p	02 36.0	-	-	-	-	-	-	-	-	-	-	-	-	10.2	I	122.1E 24.2N 02 46
	Taichung		ep	02 36.1	-	-	-	-	-	-	-	-	-	-	-	-	17.7	O	(H=10) 02 54
	Hsinkong		ep	02 39.0	-	-	-	-	-	-	-	-	-	-	-	-	O		
	Alishan		p	02 40.2	-	-	-	-	-	-	-	-	-	-	-	-	19.0	O	02 59
	Taitung		p	02 52.7	-	-	-	-	-	-	-	-	-	-	-	-	20.0	O	03 13
	Tawu		ep	02 55.2	-	-	-	-	-	-	-	-	-	-	-	-	O		
	Tainan		ep	02 55.8	-	-	-	-	-	-	-	-	-	-	-	-	O		
	Kaohsiung		ep	02 59.6	-	-	-	-	-	-	-	-	-	-	-	-	O		
7	Tawu	14	ep	01 40 22.7	-	-	-	-	-	-	-	-	-	-	-	-	O	U.S.C.G.S.	
	Hsinchu		p	41 10.0	-	-	-	-	-	-	-	-	-	-	-	-	O	13.7N 96.5E	
	Taichung		p	41 20.8	-	-	-	-	-	-	-	-	-	-	-	-	5	8.2	O
	Hsinkong		p	41 22.4	-	-	-	-	-	-	-	-	-	-	-	-	5	9.1	O
	Tainan		ep	41 27.0	-	-	-	-	-	-	-	-	-	-	-	-	2	39.0	O
	Alishan		p	41 31.0	-	-	-	-	-	-	-	-	-	-	-	-	5	00.0	O
	Hengchun		ep	41 32.4	-	-	-	-	-	283	-	-	11.5	-	-	-	4	53.0	O
	Taitung		p	41 37.1	-	-	-	-	-	112	93	75	11.0	10.0	16.8	4	53.3	O	
	Taipei		p	41 40.0	-	-	-	-	-	-	-	-	-	-	-	-	4	41.5	O

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks				
					N	E	Z	N	E	Z	N	E	Z						
	Anpu		p	41 40.0	μ	μ	μ	μ	μ	μ	s	s	5 13.0	O					
	Kaohsiung		p	41 40.0	-	-	-	-	-	-	-	-	-	O					
	Hwalien		p	41 50.5	-	-	-	470	280	-	10.5	10.0	5 1.5	O					
	Ilan		ep	42 21.9	-	-	-	188	192	141	8.2	9.1	8.9 8	28.4	O				
8	Anpu	15	p	16 30 10.6	-	-	-	-	-	-	-	-	-	-	O				
	Taitung		p	30 10.0	-	-	-	-	-	-	-	-	-	-	O				
	Hwalien		p	30 11.9	-	-	-	-	-	-	-	-	-	-	O				
9	Hengchun	19	ep	22 19 58.6	-	-	-	-	-	-	-	-	-	-	O				
	Tawu		ep	20 59.9	-	-	-	-	-	-	-	-	-	-	O				
	Hsinkong		ep	21 00.4	-	-	-	-	-	-	-	-	-	-	O				
	Taitung		p	21 08.2	-	-	-	-	-	-	-	-	-	-	O				
	Ilan		p	21 15.5	-	-	-	-	-	-	-	-	-	-	O				
	Hwalien		p	21 16.4	-	-	-	-	-	-	-	-	-	-	O				
	Taichung		ep	21 17.8	-	-	-	-	-	-	-	-	-	-	O				
	Anpu		p	21 23.8	-	-	-	-	-	-	-	-	-	-	O				
10	Taitung	19	p	23 32 40.3	-	-	-	-	-	-	-	-	-	-	O				
	Tawu		ep	33 24.9	-	-	-	-	-	-	-	-	-	-	O				
	Anpu		p	33 52.0	-	-	-	-	-	-	-	-	-	-	O				
HWA	Hwalien	23	p	14 26 03.7	+	2.4	-	3.5	-	51.4	470	450	350	1.6	2.4	1.7	10.0	II	26 14
ILA	Ilan		p	26 04.1	-	42	+	62	+	238	799	616	680	1.0	1.0	1.0	11.0	II	About 58 26 15
ANP	Anpu		p	26 08.1	-	-	-	-	-	-	-	-	-	-	-	-	3.9	O	of Hwalien 26 12
TAP	Taipei		p	26 08.6	-	-	-	450	395	240	1.0	1.5	2.0	17.4	II	122.1E 24.1N	26 26		
HSI	Hsinkong		ip	26 10.2	-	2.0	-	1.0	+	3.5	-	-	-	-	-	-	17.4	II	(H=5) 26 28
ALS	Alishan		p	26 12.6	-	-	-	218	328	-	2.0	1.2	-	19.0	I		26 32		
YUS	Yushan		p	26 13.7	-	-	-	-	-	-	-	-	-	17.2	I		26 31		
HSN	Hsinchu		p	26 13.8	-	-	-	-	-	-	-	-	-	18.7	I		26 33		
TCU	Taichung		ip	26 14.8	-	-	-	-	-	-	-	-	-	21.5	I		26 36		
TAI	Taitung		ip	26 17.1	-	17	+	13.0	+	6.0	214	286	131	1.5	1.8	1.9	21.6	I	26 39
TAW	Tawu		ip	26 21.1	-	4	-	3	+	7.0	72	88	-	3.2	2.0	-	26.3	O	26 47
PNG	Penghu		p	26 27.0	-	-	-	-	-	-	-	-	-	-	-	-	35.0	O	27 02
HEN	Hengchun		ip	26 28.8	-	-	-	-	-	286	159	-	-	-	-	-	32.2	I	27 01
TAI	Tainan		p	26 29.0	-	-	-	-	-	-	-	-	-	-	-	-	22.0	O	26 51
KAU	Kaohsiung		p	26 38.0	-	-	-	-	-	-	-	-	-	-	-	-	18.0	O	26 56

10 JUN 1968

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地震季報

第十四卷 第二號

中華民國五十六年 四、五、六月

SEISMOLOGICAL BULLETIN

April to June 1967

Vol. 14 No. 2

臺灣省氣象局

PUBLISHED QUARTERLY BY

TAIWAN PROVINCIAL WEATHER BUREAU

64, KUNG YUAN ROAD, TAIPEI TAIWAN, CHINA

General Aspect of Earthquakes

From April to June, 1967

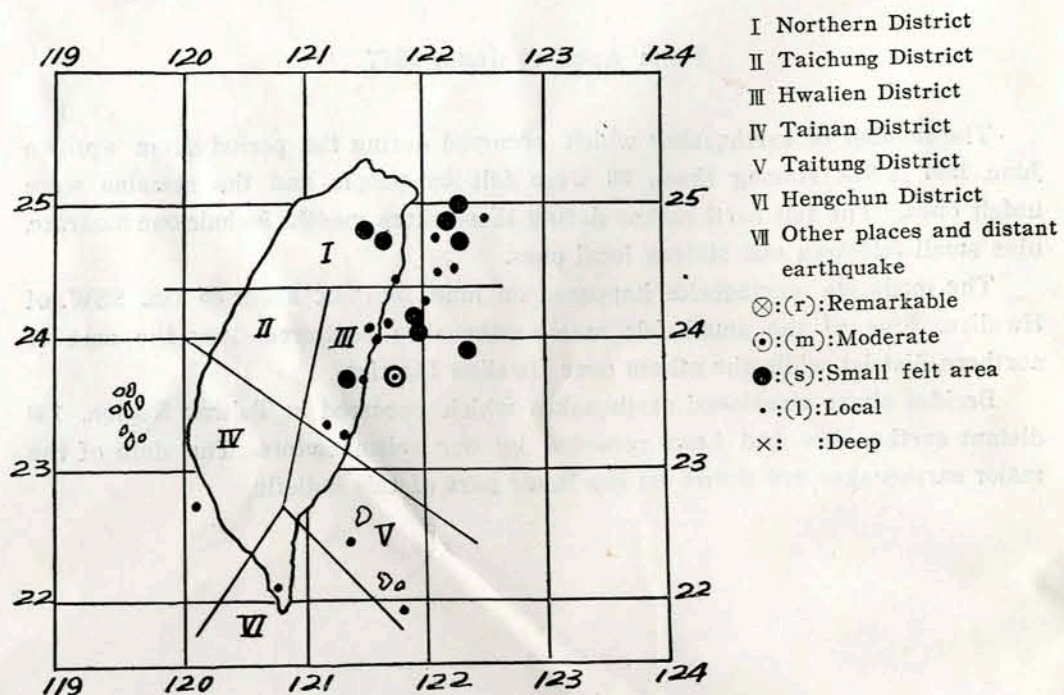
The number of earthquakes which occurred during the period from April to June, 1967 is 319. Among them, 26 were felt by people and the remains were unfelt ones. The felt earthquakes during these three months include one moderate, nine small felt area and sixteen local ones.

The moderate earthquake happened on June 10th at about 35 km. SSW. of Hwaiien. Five of the small felt area earthquakes scattered over the east of northern district while the others over Hwaiien District.

Berides above mentioned earthquakes which occurred in Taiwan Region, 133 distant earthquakes had been recorded by our seismometers. The data of the major earthquakes are shown on the latter part of this bulletin.

No.	Date and Time	Location	Classification
1	April 1, 1967	...	...
2	April 2, 1967	...	...
3	April 3, 1967	...	...
4	April 4, 1967	...	...
5	April 5, 1967	...	...
6	April 6, 1967	...	...
7	April 7, 1967	...	...
8	April 8, 1967	...	...
9	April 9, 1967	...	...
10	April 10, 1967	...	...
11	April 11, 1967	...	...
12	April 12, 1967	...	...
13	April 13, 1967	...	...
14	April 14, 1967	...	...
15	April 15, 1967	...	...
16	April 16, 1967	...	...
17	April 17, 1967	...	...
18	April 18, 1967	...	...
19	April 19, 1967	...	...
20	April 20, 1967	...	...
21	April 21, 1967	...	...
22	April 22, 1967	...	...
23	April 23, 1967	...	...
24	April 24, 1967	...	...
25	April 25, 1967	...	...
26	April 26, 1967	...	...
27	April 27, 1967	...	...
28	April 28, 1967	...	...
29	April 29, 1967	...	...
30	April 30, 1967	...	...
31	May 1, 1967	...	...
32	May 2, 1967	...	...
33	May 3, 1967	...	...
34	May 4, 1967	...	...
35	May 5, 1967	...	...
36	May 6, 1967	...	...
37	May 7, 1967	...	...
38	May 8, 1967	...	...
39	May 9, 1967	...	...
40	May 10, 1967	...	...
41	May 11, 1967	...	...
42	May 12, 1967	...	...
43	May 13, 1967	...	...
44	May 14, 1967	...	...
45	May 15, 1967	...	...
46	May 16, 1967	...	...
47	May 17, 1967	...	...
48	May 18, 1967	...	...
49	May 19, 1967	...	...
50	May 20, 1967	...	...
51	May 21, 1967	...	...
52	May 22, 1967	...	...
53	May 23, 1967	...	...
54	May 24, 1967	...	...
55	May 25, 1967	...	...
56	May 26, 1967	...	...
57	May 27, 1967	...	...
58	May 28, 1967	...	...
59	May 29, 1967	...	...
60	May 30, 1967	...	...
61	May 31, 1967	...	...
62	June 1, 1967	...	...
63	June 2, 1967	...	...
64	June 3, 1967	...	...
65	June 4, 1967	...	...
66	June 5, 1967	...	...
67	June 6, 1967	...	...
68	June 7, 1967	...	...
69	June 8, 1967	...	...
70	June 9, 1967	...	...
71	June 10, 1967	...	...
72	June 11, 1967	...	...
73	June 12, 1967	...	...
74	June 13, 1967	...	...
75	June 14, 1967	...	...
76	June 15, 1967	...	...
77	June 16, 1967	...	...
78	June 17, 1967	...	...
79	June 18, 1967	...	...
80	June 19, 1967	...	...
81	June 20, 1967	...	...
82	June 21, 1967	...	...
83	June 22, 1967	...	...
84	June 23, 1967	...	...
85	June 24, 1967	...	...
86	June 25, 1967	...	...
87	June 26, 1967	...	...
88	June 27, 1967	...	...
89	June 28, 1967	...	...
90	June 29, 1967	...	...
91	June 30, 1967	...	...
92	July 1, 1967	...	...
93	July 2, 1967	...	...
94	July 3, 1967	...	...
95	July 4, 1967	...	...
96	July 5, 1967	...	...
97	July 6, 1967	...	...
98	July 7, 1967	...	...
99	July 8, 1967	...	...
100	July 9, 1967	...	...
101	July 10, 1967	...	...
102	July 11, 1967	...	...
103	July 12, 1967	...	...
104	July 13, 1967	...	...
105	July 14, 1967	...	...
106	July 15, 1967	...	...
107	July 16, 1967	...	...
108	July 17, 1967	...	...
109	July 18, 1967	...	...
110	July 19, 1967	...	...
111	July 20, 1967	...	...
112	July 21, 1967	...	...
113	July 22, 1967	...	...
114	July 23, 1967	...	...
115	July 24, 1967	...	...
116	July 25, 1967	...	...
117	July 26, 1967	...	...
118	July 27, 1967	...	...
119	July 28, 1967	...	...
120	July 29, 1967	...	...
121	July 30, 1967	...	...
122	July 31, 1967	...	...
123	August 1, 1967	...	...
124	August 2, 1967	...	...
125	August 3, 1967	...	...
126	August 4, 1967	...	...
127	August 5, 1967	...	...
128	August 6, 1967	...	...
129	August 7, 1967	...	...
130	August 8, 1967	...	...
131	August 9, 1967	...	...
132	August 10, 1967	...	...
133	August 11, 1967	...	...

Epicenters of Felt Earthquakes From April to June 1967



Number of earthquakes classified according to its magnitude and districts April to June 1967

Classification	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Remarkable	Moderate	Small felt area	Local	Total		
Northern District	—	—	5	5	10	100	110
Taichung "	—	—	—	—	0	17	17
Hwalien "	—	1	4	7	12	57	69
Tainan "	—	—	—	1	1	6	7
Taitung "	—	—	—	2	2	94	96
Hengchun "	—	—	—	1	1	19	20
Total	0	1	9	16	26	293	319
Other places	—	—	—	—	0	133	133

The Felt Earthquakes Which Occurred from January to March, 1967

No.	Month	P. (G. M. T.)			Mag-nitude	Epicenter	Latitude	Longitude	Depth
		d.	h.	m.					
33	Apr.	9	21	27	L	About 75 km. ESE. of Hengchun	N.	E.	kms. 35
34	"	10	12	48	L	About 10 km. NNW. of Hsinkong			5
35	"	13	15	23	L	About 70 km. ENE of Ilan			50
36	"	16	10	55	L	About 25 km. E. of Suaou			15
37	"	17	03	44	(4.0) S	About 63 km. ENE. of Ilan	25.0	122.2	10
38	"	17	11	07	(1.6) S	About 55 km. E. of Ilan	24.7	122.2	20
39	"	17	11	19	L	About 43 km. ENE. of Ilan			15
40	"	18	16	50	L	About 65 km. NNE. of Hwalien			10
41	"	30	11	15	L	About 30 km. ENE. of Hwalien			10
42	May	4	20	31	L	Near Hengchun			
43	"	10	06	53	L	About 28 km. SSW. of Tainan			
44	"	10	17	40	(1.2) M	About 35 km. SSW. of Hwalien	23.6	121.8	30
45	"	17	05	37	L	About 33 km. SSW. of Hwalien			5
46	"	17	09	50	(0.8) S	About 20 km. WNW. of Ilan	24.8	121.5	20
47	"	18	12	22	L	About 27 km. SSE. of Ilan			20
48	"	19	09	18	(1.7) S	About 38 km. ENE. of Hwalien	24.0	121.9	10
49	"	25	03	16	(1.7) S	About 30 km. ENE. of Ilan	24.8	122.1	40
50	"	25	08	43	L	Near Hwalien			
51	June	7	05	14	L	Near Hwalien			
52	"	24	20	05	(2.3) S	About 40 km. ENE. of Hwalien	24.1	121.9	15
53	"	25	04	51	(2.4) S	About 75 km. ESE. of Hwalien	23.9	122.3	40
54	"	26	02	48	(2.3) S	About 7 km. of. W. of Ilan	24.7	121.7	10
55	"	27	23	06	(3.0) S	About 35 km. S. of Hwalien	23.6	121.6	25
56	"	29	02	21	L	About 20 km. NNW. of Hsinkong			30
57	"	30	09	23	L	About 630 km. ENE. of Hengchun			30

Unfelt Earthquakes From April to June, 1967

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
308	Mar.	31	18	36	Taitung district	331	Apr.	6	12	08	d
309	Apr.	1	06	00	d	332	"	6	23	33	d
310	"	1	12	29	d	333	"	7	14	28	Hengchun district
311	"	1	23	58	Near Ilan	334	"	7	17	25	About 48 km. NE. of Ilan
312	"	2	16	29	Near Hsinkong	335	"	7	19	48	About 33 km. S. of Ilan
313	"	2	17	48	d	336	"	8	06	13	Taitung district
314	"	2	18	26	Taitung district	337	"	9	09	18	d
315	"	2	21	05	Hwalien district	338	"	9	15	21	Northern district
316	"	3	00	56	About 40 km. SSE. of Ilan	339	"	10	05	08	d
317	"	3	05	16	About 55 km. E. of Ilan.	340	"	10	13	20	Taitung district
318	"	3	06	21	Taitung district	341	"	10	15	11	d
319	"	3	08	12	d	342	"	10	16	36	Taitung district
320	"	3	13	10	d	343	"	10	18	19	"
321	"	4	00	43	d	344	"	10	20	29	Near Hwalien
322	"	4	19	11	Taitung district	345	"	11	05	17	d
323	"	5	02	39	d	346	"	11	05	30	Near Alishan
324	"	5	02	53	Taitung district	347	"	11	08	39	Northern district
325	"	5	14	30	Northern district	348	"	11	08	54	Hwalien district
326	"	5	15	25	d	349	"	11	11	31	About 115 km. ENE. of Hsinkong
327	"	5	23	44	Near Alishan	350	"	12	02	13	d
328	"	6	02	36	d	351	"	12	04	57	d
329	"	6	06	21	d	352	"	12	14	03	d
330	"	6	08	53	d	353	"	12	19	43	Taichung district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
354	Apr.	12	22	06	Hengchun district	378	Apr.	19	07	21	Northern district
355	"	13	01	30	Taitung district	379	"	19	08	09	d
356	"	13	08	37	d	380	"	19	11	20	Taichung district
357	"	13	19	55	d	381	"	19	19	00	Taitung district
358	"	14	01	27	Hwalien district	382	"	20	11	41	d
359	"	15	04	54	d	383	"	21	08	20	d
360	"	15	08	00	Northern district	384	"	22	06	36	Near Anpu
361	"	15	10	54	Taitung district	385	"	22	08	43	Hengchun district
362	"	15	16	10	d	386	"	22	11	15	Northern district
363	"	16	10	23	d	387	"	22	08	43	d
364	"	16	11	17	Taichung district	388	"	22	11	16	Northern district
365	"	16	12	37	Near Alishan	389	"	22	13	14	d
366	"	16	23	42	About 115 km. ENE. of Hengchun	390	"	23	12	54	d
367	"	17	01	07	Taitung district	391	"	23	17	58	d
368	"	17	11	59	About 65 km. E. of Taipei	392	"	23	21	24	Near Tawu
369	"	17	14	45	Taichung district	393	"	24	00	50	Tainan district
370	"	17	21	53	Northern district	394	"	24	01	31	"
371	"	18	00	48	Near Taichung	395	"	24	09	17	d
372	"	18	04	16	Northern district	396	"	24	11	50	Near Alishan
373	"	18	06	09	Hwalien district	397	"	25	01	15	Near Taitung
374	"	18	06	39	Northern district	398	"	25	07	06	d
375	"	18	15	26	Taichung district	399	"	25	15	35	Taitung district
376	"	19	01	46	Taitung district	400	"	25	19	19	Hwalien district
377	"	19	03	26	About 50 km. ENE. of Taichung	401	"	26	07	11	Near Hwalien

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
402	Apr.	26	12	24	Northern district	426	Apr.	30	20	01	d
403	"	26	13	18	d	427	"	30	23	32	Hengchun district
404	"	26	21	05	Hwalien district	428	May	1	07	21	d
405	"	26	23	10	Taichung district	429	"	1	07	55	Taitung district
406	"	27	00	19	Hengchun district	430	"	1	08	55	Near Hsinkong
407	"	27	08	16	d	431	"	1	11	59	Near Ilan
408	"	27	09	49	Hwalien district	432	"	1	15	40	About 65 km. ENE. of Taitung
409	"	27	13	19	Near Anpu	433	"	1	16	12	About 60 km. ENE. of Hwalien
410	"	27	20	39	About 78 km. ENE. of Hwalien	434	"	1	19	40	Taitung district
411	"	27	22	25	Near Anpu	435	"	2	17	17	d
412	"	27	23	31	d	436	"	4	08	24	d
413	"	29	00	26	d	437	"	4	22	25	About 100 km. ENE. of Hwalien
414	"	29	03	19	About 30 km. ESE. of Ilan	438	"	4	23	33	Taitung district
415	"	29	04	04	d	439	"	4	23	29	d
416	"	29	07	59	Northern district	440	"	5	00	15	Taichung district
417	"	29	21	39	Taitung district	441	"	5	00	17	Taitung district
418	"	29	22	11	d	442	"	5	01	32	Northern district
419	"	29	23	10	Hengchun district	443	"	5	01	35	Hwalien district
420	"	30	02	31	About 37 km. N. of Hsinkong	444	"	5	03	27	Hengchun district
421	"	30	10	00		445	"	5	14	32	About 18 km. SW. of Ilan
422	"	30	13	01	About 60 km. E. of Ilan	446	"	5	15	00	Near Taitung
423	"	30	15	00	Taitung district	447	"	5	15	16	d
424	"	30	16	36	About 60 km. ENE. of Ilan	448	"	6	04	08	Taichung district
425	"	30	17	05	d	449	"	6	08	37	Near Hwalien

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
450	May	7	16	20	Hengchun district	474	May	10	18	10	Hwalien district
451	"	7	19	57	d	475	"	11	08	55	Taitung district
452	"	7	03	48	Near Hwalien	476	"	11	14	58	d
453	"	7	06	35	Near Taitung	477	"	11	21	08	About 225 km. E. of Hsinkong
454	"	7	09	00	Taitung district	478	"	12	05	08	Hwalien district
455	"	8	01	25	Hwalien district	479	"	12	11	20	Taitung district
456	"	8	03	33	d	480	"	12	14	41	Hwalien district
457	"	8	08	27	About 30 km. ESE. of Hwalien	481	"	12	16	49	Hengchun district
458	"	8	14	49	d	482	"	13	05	08	About 20 km. W. of Hsinkong
459	"	8	17	08	About 67 km. ENE. of Hwalien	483	"	13	05	38	d
460	"	8	18	44	Near Ilan	484	"	13	07	30	Near Hwalien
461	"	8	22	43	Taitung district	485	"	13	10	09	Taitung district
462	"	8	23	36	d	486	"	13	10	53	About 47 km. ESE. of Tainan
463	"	9	00	03	Taitung district	487	"	14	00	53	
464	"	9	05	26	Hwalien district	488	"	14	09	15	d
465	"	9	06	20	d	489	"	14	11	25	Northern district
466	"	9	12	47	d	490	"	15	02	31	d
467	"	9	16	53	Taitung district	491	"	15	19	02	d
468	"	9	20	49	"	492	"	16	04	10	d
469	"	9	21	34	d	493	"	16	06	31	d
470	"	10	05	03	Northern district	494	"	16	07	00	Taitung district
471	"	10	08	55	Near Taitung	495	"	16	19	00	Near Ilan
472	"	10	13	06	Near Hwalien	496	"	16	19	10	Taitung district
473	"	10	14	37	Near Anpu	497	"	16	19	29	d

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
498	May	16	21	00	About 49 km SSE. of Ilan	522	May	19	12	58	About 35 km. SE. of Ilan
499	"	17	03	58	Taitung district	523	"	19	20	54	Taitung district
500	"	17	07	50	Hengchun district	524	"	19	21	56	"
501	"	17	10	08	Northern district	525	"	20	03	19	"
502	"	17	11	21	"	526	"	19	23	59	Hengchun district
503	"	17	11	57	Hengchun district	527	"	20	02	56	d
504	"	17	12	14	Northern district	528	"	20	03	19	Hengchun district
505	"	17	13	50	Near Ilan	529	"	20	18	31	Northern district
506	"	17	14	55	Northern district	530	"	20	18	51	"
507	"	17	14	56	"	531	"	21	08	23	Northern district
508	"	17	22	59	About 32 km. SSE. of Ilan	532	"	21	18	51	d
509	"	17	23	16	Northern district	533	"	21	19	18	Tainan district
510	"	18	00	00	Near Ilan	534	"	22	15	07	Northern district
511	"	18	01	17	"	535	"	22	16	17	Northern district
512	"	18	04	12	d	536	"	22	17	53	"
513	"	18	11	28	d	537	"	22	20	52	"
514	"	18	12	05	About 90 km. ENE. of Ilan	538	"	23	01	34	d
515	"	18	14	06	d	539	"	23	02	04	d
516	"	18	17	31	Northern district	540	"	23	10	21	Northern district
517	"	18	18	02	Taitung district	541	"	23	15	07	About 100 km. E. of Hwalien
518	"	18	23	41	d	542	"	23	16	12	Northern district
519	"	19	02	02	Northern district	543	"	23	22	19	"
520	"	19	05	21	d	544	"	24	17	09	Near Anpu
521	"	19	06	31	Near Ilan	545	"	24	17	04	Northern district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
546	May	24	17	34	Near Ilan	570	June	1	03	46	d
547	"	25	18	52	d	571	"	1	11	10	d
548	"	26	11	42	Northern district	572	"	1	20	56	d
549	"	26	14	06	"	573	"	2	07	42	d
550	"	26	19	55	About 61 km. ESE. of Ilan	574	"	2	13	29	"
551	"	27	09	35	Near Hwalien	575	"	2	13	39	About 64 km. ENE. of Hsinkong
552	"	27	17	31	d	576	"	2	13	44	Hwalien district
553	"	27	19	13	Taitung district	577	"	2	14	14	Near Hwalien
554	"	27	19	19	d	578	"	2	23	18	Hengchun district
555	"	27	21	23	Northern district	579	"	3	09	28	d
556	"	28	01	14	Hwalien district	580	"	3	19	01	Near Alishan
557	"	28	01	40	d	581	"	3	19	10	About 73 km. NE. of Hsinkong
558	"	28	08	01	About 66 km. ENE. of Hwalien	582	"	4	02	00	d
559	"	29	04	45	d	583	"	4	05	34	d
560	"	29	09	20	Hwalien district	584	"	4	10	09	Taitung district
561	"	29	11	21	d	585	"	4	20	52	Northern district
562	"	29	21	07	d	586	"	5	01	33	d
563	"	30	13	19	Taitung district	587	"	5	02	22	Hengchun district
564	"	30	16	56	About 40 km. SE. of Ilan	588	"	5	06	44	Near Hwalien
565	"	31	06	26	Taitung district	589	"	6	03	12	Taitung district
566	"	31	12	26	Near Hwalien	590	"	6	03	20	"
567	"	31	16	00	d	591	"	6	04	21	Near Hwalien
568	"	31	21	28	Northern district	592	"	6	04	23	About 35 km. SSE. of Ilan
569	June	1	03	28	Near Taitung	593	"	6	06	50	d

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
594	June	6	07	46	About 38 km. NNE. of Hsinkong	618	June	11	03	45	Taitung district
595	"	6	08	42	Near Yushan	619	"	11	11	55	d
596	"	6	09	40	d	620	"	11	16	34	Near Anpu
597	"	6	13	14	Taitung district	621	"	11	23	18	About 82 km. ENE. of Hwalien
598	"	6	13	45	About 47 km. ESE. of Ilan	622	"	12	00	25	d
599	"	6	16	16	Taitung district	623	"	12	01	10	d
600	"	7	06	19	"	624	"	12	03	14	d
601	"	7	07	15	Near Yushan	625	"	12	05	40	d
602	"	7	17	31	Northern district	626	"	12	10	18	Near Ilan
603	"	7	17	34	Near Anpu	627	"	12	10	24	"
604	"	7	21	30	"	628	"	12	16	50	Taitung district
605	"	7	23	30	Near Ilan	629	"	12	20	24	"
606	"	8	00	52	d	630	"	12	21	24	d
607	"	8	12	06	d	631	"	12	23	29	d
608	"	8	13	41	d	632	"	13	07	43	Northern district
609	"	8	19	27	Taitung district	633	"	13	15	46	d
610	"	8	20	27	Hwalien district	634	"	14	05	18	d
611	"	9	04	02	About 29 km. ESE. of Ilan	635	"	14	06	18	Hwalien district
612	"	9	23	54	Taitung district	636	"	14	08	12	d
613	"	10	03	39	About 27 km. NNW. of Hsinkong	637	"	14	13	15	Northern district
614	"	10	06	44	d	638	"	14	18	27	Taitung district
615	"	10	16	23	Northern district	699	"	14	19	15	Near Ilan
616	"	11	02	05	"	640	"	14	23	32	"
617	"	11	02	08	"	641	"	14	23	42	"

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
642	June	15	01	19	Northern district	666	June.	19	06	50	Near Ilan
643	"	15	03	23	Near Ilan	667	"	19	09	50	Near Hsinkong
644	"	15	03	40	"	668	"	19	11	18	Taitung district
645	"	15	03	49	"	666	"	19	12	46	d
646	"	15	04	13	"	670	"	19	13	04	Northern district
647	"	15	05	01	d	671	"	19	17	17	d
648	"	15	20	55	d	672	"	20	01	31	Near Ilan
649	"	16	10	58	Northern district	673	"	20	04	01	Taitung district
650	"	16	12	22	Taitung district	674	"	20	07	48	d
651	"	16	20	27	About 51 km. ENE. of Hwalien	675	"	20	10	31	Taitung district
652	"	17	00	25	d	676	"	20	11	57	Near Ilan
653	"	17	04	07	Near Tawu	677	"	21	03	01	Taitung district
654	"	17	04	18	Near Ilan	678	"	21	07	17	Northern district
655	"	17	05	19	d	679	"	21	07	24	d
656	"	17	05	22	Hengchun district	680	"	21	10	40	Taitung district
657	"	17	08	39	Near Tawu	681	"	21	15	19	Hwalien district
658	"	17	10	30	Taitung district	682	"	21	15	47	d
659	"	17	11	22	"	683	"	21	18	33	d
660	"	17	18	39	"	684	"	21	20	29	d
661	"	17	19	22	About 43 km. ESE. of Hwalien	685	"	21	23	18	Near Ilan
662	"	18	01	32	d	686	"	21	23	28	"
663	"	18	07	46	Taitung district	687	"	22	12	39	Taitung district
664	"	18	12	35	d	688	"	22	19	16	d
665	"	18	14	01	d	689	"	22	20	21	Hwalien district

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks				
					N	E	Z	N	E	Z	N	E	Z							
6	Tainan	12	ep	h. m. s. 05 02 35.0	μ	μ	μ	μ	μ	μ	s	s	sm	s	O					
	Kaohsiung		ep	02 50.0	-	-	-	-	-	-	-	-	-	-	O					
	Ilan		ep	03 31.0	-	-	-	-	-	-	-	-	-	-	O					
7	Hwalien	13	p	19 55 26.7	-	-	-	-	-	-	-	-	-	-	O	U.S.C.G.S.				
	Ilan		p	55 03.7	-	-	-	-	-	-	-	-	-	-	O	27.3N 128.7E				
	Anpu		p	55 24.0	-	-	-	-	-	-	-	-	-	1	16.0	O				
	Taipei		ep	55 26.9	-	-	-	-	-	-	-	-	-	-	O	Ryukyn				
	Taichung		ep	55 39.9	-	-	-	-	-	-	-	-	-	-	O	Islands				
	Taitung		p	55 41.0	-	-	-	-	-	-	-	-	-	1	25.1	O				
8	Anpu	15	p	04 54 04.5	-	-	-	-	-	-	-	-	-	1	10.5	O d				
	Taipei		ep	56 20.6	-	-	-	-	-	-	-	-	-	-	O					
ILA	Ilan	17	ip	03 44 47.7	-	14	-	4	+	12	83	89	33	1.0	1.0	1.0	9.0	I	44 57	
	ANP	Anpu	p	44 50.6	-	-	-	-	-	-	-	-	-	-	-	-	9.9	O	About 65 km 45 01	
	TAP	Taipei	ep	44 51.3	-	-	-	-	-	-	-	-	-	-	-	-	9.5	O	ENE. of 45 01	
	HSI	Hsinkong	ep	44 56.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	O	Ilan
	HWA	Hwalien	p	44 58.6	-	-	-	-	-	96	45	35	3.5	2.2	1.2	16.5	I	122.2E	45 15	
	HSN	Hsinchu	p	45 03.0	-	-	-	-	-	-	-	-	-	-	-	-	116.8	O	25.0N	47 00
	ALS	Alishan	p	45 10.0	-	-	-	-	-	-	-	-	-	-	-	-	25.0	O	(H=10)	45 35
	TTN	Taitung	p	45 19.3	-	-	-	-	-	-	-	-	-	-	-	-	22.0	O		45 41
	YUS	Yushan	ep	45 24.2	-	-	-	-	-	-	-	-	-	-	-	-	23.9	O		45 48
	TAW	Tawu	ep	45 27.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	O	
HEN	Hengchun	ep	46 34.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	O		

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks					
					N	E	Z	N	E	Z	N	E	Z								
ILA	Ilan	17	ip	h. m. s. 11 07 21.2	-	60	+	27	-	17	375	431	202	2.9	3.6	3.2	sm	s	7.0	III	07 28
ANP	Anpu		p	07 25.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.7	O	About 55 km. 07 36
TAP	Taipei		p	07 25.5	-	-	19	+	8.0	-	-	-	-	-	-	-	-	-	10.0	I	E. of Ilan 07 36
HWA	Hwalien		ip	07 32.2	+	9.2	-	2.9	-	5.3	267	180	142	2.9	4.0	3.1	15.2	I	122.2E	07 47	
HSN	Hsinchu		p	07 41.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.9	I	24.7N 07 57
TCU	Taichung		ip	07 43.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.2	I	(H=20) 08 04
ALS	Alishan		p	07 46.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.4	O	08 11
TTN	Taitung		p	07 54.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.1	O	08 21
TAI	Tainan		p	08 02.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.0	O	08 40
TAW	Tawu		ep	08 02.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	O	
HEN	Hengchun		ep	08 09.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.0	O	08 48

11	Hengchun	21	ep	08 20 23.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	O	d
	Taitung		p	20 30.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	O	
	Anpu		p	20 42.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	57.0	O
12	Taitung	22	p	08 43 32.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	O	d
	Anpu		p	43 39.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	10.1	O
13	Taipei	22	ep	13 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	O	d
	Anpu		p	14 00.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7.2	O

Major Earthquakes Which Occurred in May, 1967

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks				
					N	E	Z	N	E	Z	N	E	Z							
1	Taitung	9	ep	h. m. s. 21 34 28.8	μ	μ	μ	μ	μ	μ	s	s	sm	s	16.4	O	U.S.C.G.S.			
	Anpu		p	34 42.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	42.0	O

5.2N 127.5E
Philippine
Islands
Region

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximun Amplitude			Period			P~S Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
HWA	2 Hwalien	10	ip	17 40 17.0	+ 26.2	- 2.3	+ 113	1200	2200	800	1.5	1.2	2.2	4.3 II	About 35 km. SSW.	
HSI	Hsinkong		p	40 18.8	-	-	-	-	-	-	-	-	-	11.4 II	of Hwalien	
ALS	Alishan		p	40 24.3	+ 7	+ 29	-	388	259	-	1.5	1.7	-	10.8 I	121.8 E 23.6 N	
YVS	Yushan		ip	40 24.4	-	-	-	435	435	-	0.4	0.7	-	7.2 I	(H=30)	
TTN	Taitung		p	40 28.6	-	-	-	84	125	-	1.7	1.9	-	13.3 O		
ILA	Ilan		ip	40 29.8	- 10	- 11	+ 8	237	193	93	1.9	1.2	1.4	12.0 I		
ANP	Anpu		p	40 31.0	-	-	-	-	-	-	-	-	-	12.0 O		
TAP	Taipei		p	40 32.5	-	-	-	105	125	-	1.2	0.9	-	15.1 I		
TAW	Tawu		ep	40 32.5	-	-	-	-	-	-	-	-	-	22.7 O		
HEN	Hengchun		ep	40 33.3	-	-	-	-	-	-	-	-	-	30.7 O		
TAI	Tainan		p	40 38.5	-	-	-	-	-	-	-	-	-	13.6 O		
PNG	Penghu		p	40 42.9	-	-	-	-	-	-	-	-	-	15.9 O		
KAU	Kaohsiung		ep	40 58.5	-	-	-	-	-	-	-	-	-	13.3 O		
HSN	Hsinchu		ep	41 25.8	-	-	-	-	-	-	-	-	-	18.6 I		
TCU	Taichung		p	42 26.3	- 3.7	+ 13.3	- 23.5	202	331	289	2.0	2.0	1.9	13.2 I		
3	Anpu	11	p	14 58 57.5	-	-	-	-	-	-	-	-	-	6 23.5 O	U.S.C.G.S.	
	Taitung		ep	59 09.2	-	-	-	-	-	-	-	-	-	-	O	39.4N 73.8E Sinkiang Border Region
4	Anpu	15	p	02 31 55.5	-	-	-	-	-	-	-	-	-	3 34.5 O	d	
	Taitung		ep	32 19.2	-	-	-	-	-	-	-	-	-	3 29.9 O		
5	Anpu	16	p	19 29 24.3	-	-	-	-	-	-	-	-	-	3 40.7 O	d	
	Taitung		ep	29 41.4	-	-	-	-	-	-	-	-	-	-	O	

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximun Amplitude			Peried			P~S Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
ILA	6 Ilan	17	ip	09 50 12.6	-	-	-	1013	787	616	1.0	1.0	1.0	3.9 III	50 17	
HWA	Hwalien		p	50 21.1	-	-	-	520	500	260	1.2	1.3	1.2	10.8 I	About 20 km.	
TAP	Taipei		ip	50 23.0	+ 32	- 11	+ 64	1213	1000	180	0.7	0.9	0.7	9.6 III	WNW. of Ilan	
HSN	Hsinchu		p	50 25.0	-	-	-	-	-	-	-	-	-	6.0 I	121.5E 24.8N	
HSI	Hsinkong		ep	50 29.5	-	-	-	-	-	-	-	-	-	-	O (H=20)	
TCU	Taichung		p	50 31.1	+ + 25.5	- 37.6	-	183	215	-	1.7	2.5	-	19.1 I	50 50	
ALS	Alishan		p	50 33.9	-	-	-	-	-	-	-	-	-	18.6 O	50 53	
YVS	Yushan		ip	50 33.9	-	-	-	133	182	-	0.7	0.3	-	18.9 O	50 53	
TTN	Taitung		p	50 37.6	-	-	-	86	81	51	3.0	3.0	3.7	34.2 O	51 12	
KAU	Kaohsiung		ep	50 41.2	-	-	-	-	-	-	-	-	-	28.0 O	51 09	
TAI	Tainan		ep	50 47.5	-	-	-	-	-	-	-	-	-	29.0 O	51 17	
TAW	Tawu		ep	50 48.8	-	-	-	-	-	-	-	-	-	30.0 O	51 19	
HEN	Hengchun		p	50 53.9	-	-	-	-	-	-	-	-	-	-	O	
7	Anpu	18	p	23 41 41.0	-	-	-	-	-	-	-	-	-	1 29.0 O	U.S.C.G.S.	
	Hwalien		p	41 59.1	-	-	-	-	-	-	-	-	-	-	O	31.1N 130.7E
	Taitung		p	42 16.1	-	-	-	-	-	-	-	-	-	-	O	Kyushu Japan
HSN	8 Hsinchu	19	ep	09 20 44.0	-	-	-	-	-	-	-	-	-	16.2 O	(21 00)	
HWA	Hwalin		p	20 25.2	-	-	-	112	240	102	1.3	1.2	1.4	7.7 I	About 38 km. ENE. of	
HSI	Hsinkong		ep	20 30.1	-	-	-	-	-	-	-	-	-	7.2 O	Hwalien	
ILA	Ilan		ep	20 32.8	-	-	-	41	53	-	1.5	1.5	-	11.6 O	121.9E 24.0N	
YVS	Yushan		ep	20 33.6	-	-	-	-	-	-	-	-	-	14.5 I	(H=10)	
ALS	Alishan		p	20 36.9	-	-	-	-	-	-	-	-	-	-	O	
TCU	Taichung		p	20 38.0	-	-	-	-	-	-	-	-	-	18.8 I	20 57	

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximun Amplitude			Period			P~S Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z		
AMP 8	Anpu	19	p	h. m. s. 20 28.2	μ	μ	μ	μ	μ	μ	s	s	sm	17.8 O	2046
TTM	Taitung		p	20 39.0	-	-	-	-	-	-	-	-	-	19.9 O	2059
TAI	Taipei		ep	20 39.2	-	-	-	-	-	-	-	-	-	- O	
TAW	Tawu		ep	20 48.8	-	-	-	-	-	-	-	-	-	- O	
HEN	Hengchun		ep	20 52.4	-	-	-	-	-	-	-	-	-	30.2 O	2123
9	Hengchun	21	ep	18 51 08.3	-	-	-	-	-	-	-	-	-	- O	
	Tawu		ep	51 10.3	-	-	-	-	-	-	-	-	-	- O	U.S.C.G.S.
	Taitung		p	51 14.1	-	-	-	-	-	-	-	-	-4	46.7 O	1.0N 101.5E
	Hsinkong		ep	51 15.5	-	-	-	-	-	-	-	-	-4	36.8 O	Southern
	Alishan		p	51 16.4	-	-	-	-	-	-	-	-	-	- O	Sumatra
	Taichung		p	51 17.9	-	-	-	-	-	-	-	-	-	- O	
	Hwalien		ip	51 22.4	-	-	-	-	-	-	-	-	-4	53.3 O	
	Yushan		ep	51 24.5	-	-	-	-	-	-	-	-	-	- O	
	Ilan		p	51 29.2	-	-	-	-	-	-	-	-	-	- O	
	Anpu		p	51 29.4	-	-	-	-	-	-	-	-	-5	2.6 O	
	Tainan		p	51 08.5	-	-	-	-	-	-	-	-	-	- O	
AMP 10	Anpu	25	p	03 16 33.8	-	-	-	-	-	-	-	-	-	8.2 I	1642
TAP	Taipei		ep	16 34.4	-	-	-	-	-	-	-	-	-	9.7 I	About 30 km. ENE.
ILA	Ilan		p	16 34.7	-	-	-	-	-	-	-	-	-	9.0 O	of Ilan
HWA	Hwalien		p	16 36.4	-	-	-	-	-	-	-	-	-	14.8 O	122.1E 24.8N
TCU	Taichung		p	16 42.0	-	-	-	-	-	-	-	-	-	16.6 O	(H≠40)
YUS	Yushan		ep	16 42.5	-	-	-	-	-	-	-	-	-	20.0 O	1703
ALS	Alishan		p	16 48.4	-	-	-	-	-	-	-	-	-	20.3 O	1709

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximun Amplitude			Period			P~S Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z		
TTM 10	Taitung	25	ep	h. m. s. 16 53.6	μ	μ	μ	μ	μ	μ	s	s	sm	31.3 O	1725
HEN	Hengchun		ep	17 15.2	-	-	-	-	-	-	-	-	-	- O	
HSN	Hsinchu		ep	17 57.0	-	-	-	-	-	-	-	-	-	7.0 I	1804
11	Anpu	27	p	17 31 42.0	-	-	-	-	-	-	-	-	-7	6.0 O	U.S.C.G.S.
	Taitung		ep	32 06.8	-	-	-	-	-	-	-	-	-	- O	51.9N 176.1E Pat Islands Aleutian Islands

Major Earthquakes Which Occurred in June, 1967

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximun Amplitude			Period			P~S Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z		
1	Anpu	3	p	h. m. s. 09 28 44	μ	μ	μ	μ	μ	μ	s	s	sm	8 56.0 O	d
	Hsinkong		p	28 59.2	-	-	-	-	-	-	-	-	-	- O	
2	Anpu	19	p	17 17 45.5	-	-	-	-	-	-	-	-	-8	2.5 O	
	Hwalien		ep	17 59.0	-	-	-	-	-	-	-	-	-	- O	d
	Taitung		ep	18 11.2	-	-	-	-	-	-	-	-	-	- O	
3	Taitung	21	ep	15 47 55.8	-	-	-	-	-	-	-	-	-2	59.6 O	
	Hwalien		p	48 17.1	-	-	-	-	-	-	-	-	-	- O	d
	Anpu		p	48 20.0	-	-	-	-	-	-	-	-	-3	12.0 O	
HWA 4	Hwalien	24	ip	20 05 09.0	+ 15.4	- 2.3	+ 19.8	1450	1300	600	1.6	1.2	2.0	3.9 III	0513
ALS	Alishan		p	05 21.1	-	-	-	-	-	-	-	-	-	13.4 O	About 40 km.
HSI	Hsinkong		p	05 21.2	-	-	-	-	-	-	-	-	-	15.8 O	ENE of
YUS	Yushan		p	05 22.9	-	-	-	-	-	-	-	-	-	9.6 O	Hwalien
TCU	Taichung		p	05 25.4	-	-	-	-	-	-	-	-	-	15.5 I	121.9E
ILA	Ilan		p	05 27.1	+ 13	- 9	-	112	105	-	2.7	2.7	-	9.1 I	24.1N (H≠15)

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximun Amplitude			Period			P~S Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z		
TAP 4	Taipei	24	ep	h. m. s. 05 28.5	μ	μ	μ	μ	μ	μ	s	s	sm	17.9 O	05 46
ANP	Anpu		p	05 29.0	-	-	-	-	-	-	-	-	-4	4.0 O	05 33
TTN	Taitung		ep	05 29.9	-	-	-	-	-	-	-	-	-	23.5 O	05 54
TAW	Tawu		ep	05 35.2	-	-	-	-	-	-	-	-	-	26.1 O	06 01
TAI	Tainan		ep	05 41.9	-	-	-	-	-	-	-	-	-	24.4 O	06 06
HEN	Hengchun		ep	05 59.0	-	-	-	-	-	-	-	-	-	- O	
HSN	Hsinchu		p	09 17.2	-	-	-	-	-	-	-	-	-	- O	
5	Hengchun	24	ep	21 04 36.5	-	-	-	-	-	-	-	-	-	- O	
	Taitung		p	05 27.9	-	-	-	-	-	-	-	-	-4	1.6 O	
	Hwalien		ep	05 30.6	-	-	-	-	-	-	-	-	-	- O d	
	Alishan		p	05 31.4	-	-	-	-	-	-	-	-	-	- O	
	Taipei		ep	05 38.0	-	-	-	-	-	-	-	-	-	- O	
PNG 6	Penghu	25	p	04 51 58.8	-	-	-	-	-	-	-	-	-	11.7 O	52 11
HWA	Hwalien		p	52 31.2	-27.0	+ 9.0	+ 6.5	1500	1350	7800	2.0	2.0	2.0	9.0 II	52 40
HSI	Hsinkong		p	52 39.6	-	-	-	-	-	-	-	-	-	14.6 O	About 75 km. 52 54
YUS	Yushan		p	52 42.6	-	-	-	-	-	-	-	-	-	12.2 O	ESE. of 52 55
ALS	Alishan		p	52 43.2	-	-	-	-	-	-	-	-	-	10.1 O	Hwalien 52 54
ILA	Ilan		ip	52 44.0	- 17	+ 16	- 17	440	279	147	2.9	2.7	2.1	12.2 II	122.3E 52 56
TCU	Taichung		ip	52 47.6	+ 6	- 8	- 34	132	192	14	2.3	2.2	4.4	17.7 I	23.9N 53 05
TTN	Taitung		p	52 48.8	-	-	-	224	288	135	4.4	5.4	4.9	31.5 O	(H=40) 53 20
TAP	Taipei		p	52 49.7	-	-	-	-	-	-	-	-	-	16.8 O	53 07
ANP	Anpu		p	52 51.1	-	-	-	-	-	-	-	-	-	20.9 O	53 12
TAW	Tawu		ep	52 59.3	-	-	-	-	-	-	-	-	-	23.9 O	53 23

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximun Amplitude			Period			P~S Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
TAI 6	Tainan	25	ep	h. m. s. 53 02.0	μ	μ	μ	μ	μ	μ	s	s	sm	14.0 O	53 16	
HEN	Hengchun		p	53 10.1	-	-	-	-	-	-	-	-	-	-	54.4 O	54 05
KAU	Kaohsiung		ep	53 48.0	-	-	-	-	-	-	-	-	-	-	16.5 O	54 05
HSN	Hsinchu		ep	53 52.0	-	-	-	-	-	-	-	-	-	-	20.8 O	54 13
7	Hengchun	25	ep	23 23 02.3	-	-	-	-	-	-	-	-	-	-	- O	
	Hsinkong		p	23 02.6	-	-	-	-	-	-	-	-	-	-	- O	
	Hwalien		ep	23 06.6	-	-	-	-	-	-	-	-	-	-2	37.3 O d	
	Taitung		p	23 09.3	-	-	-	-	-	-	-	-	-	-4	17.1 O	
	Taipei		ep	23 12.0	-	-	-	-	-	-	-	-	-	-	- O	
HSN 8	Hsinchu	26	ep	02 48 28.0	-	-	-	-	-	-	-	-	-	9.2 II	48 37	
ILA	Ilan		ip	48 34.8	+ 29.3	+ 28.5	+ 90	822	1065	-	2.6	2.8	-	3.6 III	About 7 km. W. of Ilan 48 38	
TAP	Taipei		p	48 38.6	-	-	-	-	-	-	-	-	-	5.0 III	121.7E 24.7N 48 44	
ANP	Anpu		p	48 40.3	-	-	-	-	-	-	-	-	-	15.7 II	(H=10) 48 56	
HSI	Hsinkong		p	48 46.5	+ 5.9	- 1.8	- 21.1	200	150	98	1.5	1.4	1.3	8.3 O	48 53	
TCU	Taihung		ip	48 50.9	+ 2	+ 3	+ 237	-	-	-	1.9	-	-	14.1 I	49 05	
YUS	Yushan		p	48 57.4	-	-	-	-	-	-	-	-	-	16.3 O	49 14	
ALS	Alishan		p	48 58.0	-	-	-	-	-	-	-	-	-	20.0 O	49 18	
TTN	Taitung		p	49 09.6	-	-	-	-	-	-	-	-	-	27.7 O	49 37	
TAI	Tainan		ep	49 15.0	-	-	-	-	-	-	-	-	-	27.0 O	49 42	
TAW	Tawu		ep	49 15.1	-	-	-	-	-	-	-	-	-	33.4 O	49 48	
KAU	Kaohsiung		ep	49 16.0	-	-	-	-	-	-	-	-	-	- O		
HEN	Hengchun		p	49 22.8	-	-	-	-	-	-	-	-	-	39.4 O	50 02	
LAY	Lanyu		p	49 38.2	-	-	-	-	-	-	-	-	-	19.6 O	49 58	

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z			
HWA 9	Hwalien	27	p	h. m. s. 23 06 57.3	μ	μ	μ	1750 ^μ	1900 ^μ	800 ^μ	1.8 ^s	1.1 ^s	1.6 sm	5.0 ^s	II	07 02
HSI	Hsinkong		ip	06 57.4	-	-	-	-	-	-	-	-	-	8.6	III	07 06
YUS	Yushan		p	07 00.5	-	-	-	-	-	-	-	-	-	7.2	I	07 08
ALS	Alishan		ip	07 03.0	+ 10	+ 50	-	-	-	-	-	-	-	10.1	II	About 35 km. S. 07 13
TTN	Taitung		p	07 04.5	-	-	-	139	169	-	1.6	1.8	-	21.7	O	of Hwalien 07 26
TCV	Taichung		ip	07 07.0	- 20	+ 22	+ 96	172	234	166	1.7	1.5	2.1	13.7	I	121.6E 23.6N 07 21
ILA	Ilan		ep	07 09.5	-	-	-	159	151	-	2.0	1.7	-	13.7	I	(H≅25) 07 23
TAP	Taipei		ep	07 13.5	-	-	-	-	-	-	-	-	-	16.2	I	07 30
ANP	Anpu		p	07 13.1	-	-	-	-	-	-	-	-	-	18.9	O	07 32
TAI	Tainan		ep	07 14.0	-	-	-	-	-	-	-	-	-	18.0	O	07 32
LAY	Lanyu		ep	07 14.2	-	-	-	-	-	-	-	-	-	18.2	O	07 32
TAW	Tawu		ep	07 14.5	-	-	-	-	-	-	-	-	-	18.0	O	07 33
HSN	Hsinchu		ep	07 17.0	-	-	-	-	-	-	-	-	-	16.1	I	07 33
HEN	Hengchun		p	07 18.9	-	-	-	-	-	-	-	-	-	23.9	I	07 43
KAU	Kaohsiung		p	07 22.0	-	-	-	-	-	-	-	-	-	12.0	O	07 34
PNG	Penghu		p	07 25.3	-	-	-	-	-	-	-	-	-	5.0	O	07 30

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地震季報

第十四卷 第三號

中華民國五十六年七、八、九月

SEISMOLOGICAL BULLETIN

July to September 1967

Vol. 14 No. 3

臺灣省氣象局

PUBLISHED QUARTERLY BY

TAIWAN PROVINCIAL WEATHER BUREAU

64, KUNG YUAN ROAD, TAIPEI TAIWAN, CHINA

General Aspect of Earthquakes

July to September, 1967.

The number of earthquakes which occurred during the period from July to September, 1967 is 431. Among them, 20 were felt earthquakes and the remains were unfelt ones. The felt earthquakes during these months include one moderate, six small felt area and thirteen local ones.

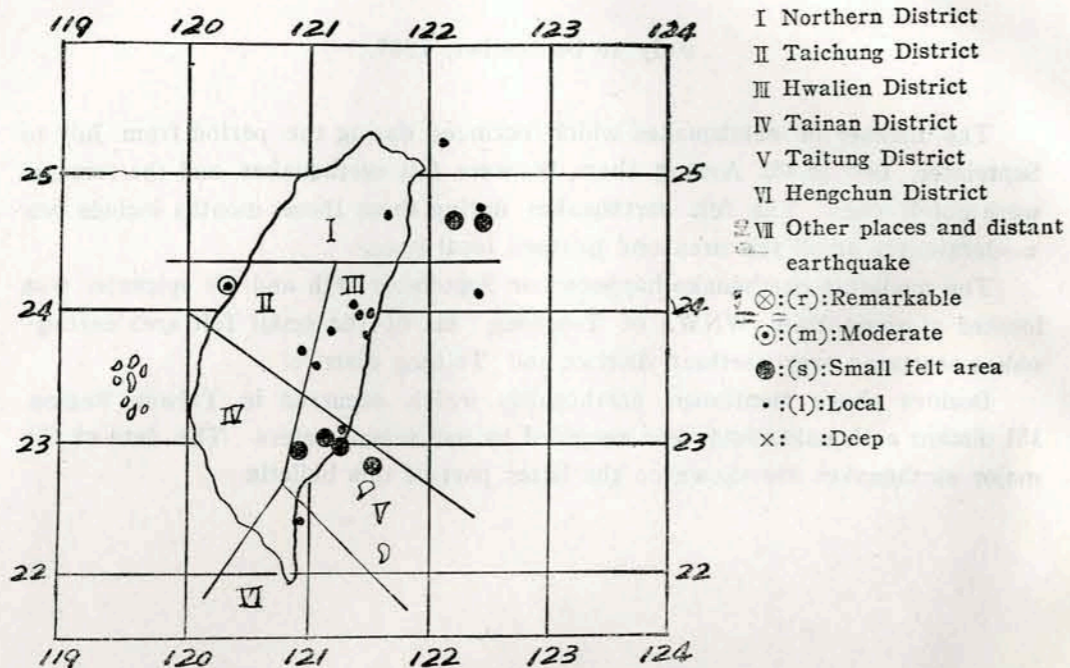
The moderate earthquake happened on September 28th and its epicenter was located at about 22km. WNW. of Taichung. Six of the small felt area earthquakes scattered over northern district and Taitung district.

Besides above mentioned earthquakes which occurred in Taiwan Region, 151 distant earthquakes had been recorded by our seismometers. The data of the major earthquakes are shown on the latter part of this bulletin.

Number of earthquakes recorded in Taiwan Region during July to September, 1967

District	Number of felt earthquakes		Classification
	Small	Moderate	
Keelung District	1	0	Local
Taipei District	1	0	Local
Tainan District	1	0	Local
Taitung District	1	0	Local
Yuli District	1	0	Local
Other Districts	15	0	Small felt area
Total	20	1	

Epicenters of Felt Earthquakes in July to September, 1967



Number of earthquakes classified according to it's magnitude and districts July to September 1967

Classification	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Maghitudes	Remarkable	Moderate	Small felt area	Local			Total
Districts							
Northern District		—	—	2	3	5	68
Taichung "		—	1	—	1	2	11
Hwalien "		—	—	—	7	7	77
Tainan "		—	—	—	—	—	11
Taitung "		—	—	4	1	5	78
Hengchun "		—	—	—	1	1	15
Other places		—	—	—	—	—	151
Total		—	1	6	13	20	411

Felt earthquakes in the month of July to September, 1967.

No.	Month	P. (G. M. T.)			Mag-nitude	Epicenter	Latitude		Longitude	Depth
		d.	h.	m.			N.	E.		
33	July	2	06	53	I	Near 92Km ENE. of Hwalien	—	—	—	60
34	"	5	00	33	I	Near Hwalien	—	—	—	—
35	"	5	04	35	I	Near Ilan	—	—	—	—
36	"	9	02	59	S	Near 15km SW. of Hsinkong	23.1	121.3	—	20
37	"	11	09	04	I	Near 12Km S. of Hwalien	—	—	—	20
38	"	16	16	32	S	30km NW. of Taitung	23.9	120.9	—	20
39	"	17	17	18	S	15km SSW. of Hsinkong	22.9	121.3	—	35
40	"	24	07	51	I	16km ENE. of Yushan	—	—	—	10
41	"	28	16	52	I	Near Hwalien	—	—	—	—
42	Aug.	2	06	34	I	35km NNE. of Yushan	—	—	—	10
43	"	2	09	54	I	25km SW. of Hwalien	—	—	—	30
44	"	5	12	01	I	Near Tawu	—	—	—	—
45	"	22	19	35	I	65km ENE. of Taipei	—	—	—	70
46	"	23	18	06	I	15km NNE. of Yushan	—	—	—	15
47	"	29	08	57	I	Near Hsinkong	—	—	—	—
48	"	30	13	55	I	75km E. of Ilan	—	—	—	35
49	Sept.	3	00	18	S	50km E. of Ilan	24.7	122.2	—	30
50	"	15	23	57	m	22km WNW. of Taichung	24.2	120.5	—	20
51	"	20	01	31	S	68km E. of Ilan	24.8	122.4	—	70
52	"	28	13	52	S	52km ENE. of Taitung	22.9	121.6	—	20

Unfelt Earthquakes in the Month of July to September, 1967.

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
		d. h. m.				d. h. m.	
738	July	1 00 56	Taitung district	760	July	4 14 36	Faint (d)
739	"	1 02 38	60km ESE. of Hwalien	761	"	4 18 20	Near Hwalien
740	"	1 07 35	Faint (d)	762	"	4 23 47	Faint (d)
741	"	1 16 27	Hengchun district	763	"	5 09 03	Taitung district
742	"	1 16 39	Taitung district	764	"	5 17 19	Northern district
743	"	1 23 21	Faint (d)	765	"	5 18 09	37km SSE. of Ilan
744	"	2 06 03	Hwalien district	766	"	5 19 35	Hwalien district
745	"	2 07 10	Near Nicobar Islands Region 8.7N 93.8E	767	"	5 19 39	55km SE. of Ilan
746	"	2 10 11	Taitung district	768	"	6 02 06	Northern district
747	"	2 14 36	Taitung district	769	"	6 13 52	Faint (d)
748	"	2 16 30	Faint (d)	770	"	6 21 07	Hwalien district
749	"	2 16 43	Near Hwalien	771	"	8 00 01	Faint (d)
750	"	2 21 59	"	772	"	8 01 09	"
751	"	2 22 05	Faint (d)	773	"	8 06 33	"
752	"	3 00 54	Northern district	774	"	8 09 56	12km WSW. of Alishan
753	"	3 02 46	Taitung district	775	"	9 03 11	Taitung district
754	"	3 03 48	Faint (d)	776	"	9 04 40	"
755	"	3 12 49	Taitung district	777	"	9 12 19	"
756	"	3 14 52	Hwalien district	778	"	9 22 18	"
757	"	4 01 19	"	779	"	10 11 06	Faint (d)
758	"	4 02 55	Near Hwalien	780	"	10 12 17	"
759	"	4 14 01	Faint (d)	781	"	10 13 08	Northern district

No.	Month	P. (G. M. T.)	Epicenter	No.	Month	P. (G. M. T.)	Epicenter
		d. h. m.				d. h. m.	
782	July	10 13 25	66kmESE. of Ilan	805	July	14 16 11	Faint (d)
783	"	10 19 23	Faint (d)	806	"	14 21 14	Northern district
784	"	10 20 12	Near Anpu.	807	"	14 22 49	Faint (d)
785	"	10 23 13	"	808	"	15 10 00	35km ESE. of Ilan
786	"	11 05 41	Northern district	809	"	15 10 28	Faint (d)
787	"	11 09 17	Faint (d)	810	"	15 14 45	"
788	"	11 19 58	20km W. of Hsinkong	811	"	15 29 58	72km E. of Ilan
789	"	12 04 32	Northern district	812	"	13 03 51	Northern district
790	"	12 06 13	Taitung district	813	"	16 13 40	West new guinea Region MAG. 6 (PAS) 0.8S, 132.6E.
791	"	12 21 00	Northern district	814	"	16 16 20	Taitung district
792	"	12 21 23	Faint (d)	815	"	16 16 33	Faint (d)
793	"	13 07 56	"	816	"	16 17 24	Hwalien district
794	"	13 09 25	Northern district	817	"	16 17 30	Near Hwalien
795	"	13 10 24	Faint (d)	818	"	16 18 05	"
796	"	13 12 16	Near Anpu	819	"	16 19 08	"
797	"	13 12 33	"	820	"	17 04 23	Near Anpu
798	"	13 17 33	Taitung district	821	"	17 11 13	Taitung district
799	"	14 00 11	Hwalien district	822	"	17 11 19	44km ENE of Tainan
800	"	14 03 05	Faint (d)	823	"	17 11 23	"
801	"	14 09 40	65km E. of Hengchun	824	"	17 11 37	Taitung district
802	"	14 12 30	Near Hwalien	825	"	17 13 10	25km S of Yushan
803	"	14 12 35	42km NNW. of Hwalien	826	"	17 14 36	Hwalien district
804	"	14 15 00	Hwalien district	827	"	17 18 09	Taitung district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
828	July	17	18	58	35km SSW of Yushan	851	July	22	06	52	Taitung district
829	"	17	19	42	"	852	"	22	08	15	Northern district
830	"	17	19	46	"	853	"	22	17	08	40.7N, 30.8E. 7.25(PAS)
831	"	17	20	04	"	854	"	22	19	43	Near Hwalien
832	"	17	20	28	Taitung district	855	"	23	03	19	Faint (d)
833	"	17	20	55	35km SSW of Yushan	856	"	23	07	29	"
834	"	18	17	08	Faint (d)	857	"	23	10	04	Taitung district
835	"	18	17	11	Taitung district	858	"	23	14	01	Faint (d)
836	"	19	07	47	"	859	"	23	18	38	Taitung district
837	"	19	07	48	"	860	"	23	22	17	Faint (d)
838	"	19	11	55	Taitung district	861	"	24	02	39	Near Anpu
839	"	19	11	57	"	862	"	24	02	40	"
840	"	20	00	36	Near Hwalien	863	"	24	02	42	"
841	"	20	06	55	Hengchun district	864	"	24	02	46	"
842	"	20	07	05	60km SE. of Ilan	865	"	24	02	50	"
843	"	20	15	41	West Caroline Islands MAG 6.5 (PAS) 7.7N 134.9E	866	"	24	06	08	"
844	"	20	16	01	Hwalien district	867	"	24	06	09	"
845	"	21	07	08	Faint (d)	868	"	24	22	39	Hwalien district
846	"	21	08	49	Northern district	869	"	25	16	55	Northern district
847	"	21	13	22	Faint (d)	870	"	26	12	30	"
848	"	22	00	15	Tainan district	871	"	26	12	47	115km ENE. of Hwalien
849	"	22	04	04	Taitung district	872	"	26	14	11	Taitung district
850	"	22	04	10	Faint (d)	873	"	26	18	39	"

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
874	July	23	19	04	Faint (d)	897	July	30	00	20	Faint (d)
875	"	26	21	36	Taitung district	898	"	30	09	32	Taitung district
876	"	27	00	51	Faint (d)	899	"	31	18	31	Taichung district
877	"	27	06	04	"	900	"	31	23	05	Faint (d)
878	"	27	07	29	35km SE. of Ilan	901	Aug.	1	04	01	Near Hwalien
879	"	27	07	53	"	902	"	1	09	49	Faint (d)
880	"	27	12	13	Faint (d)	903	"	1	23	15	Near Tawu
881	"	27	16	29	Taitung district	904	"	2	07	03	35km NNE. of Yushan
882	"	28	01	31	4km S. of Ilan	905	"	2	07	15	"
883	"	28	05	53	Faint (d)	906	"	2	07	17	"
884	"	28	09	19	Hwalien district	907	"	2	07	34	30km NNE. of Yushan
885	"	28	17	34	Faint (d)	908	"	2	03	00	41km NE. of Yushan
886	"	28	22	46	Hwalien district	909	"	2	08	10	"
887	"	28	22	50	Taitung district	910	"	2	10	30	Northern district
888	"	28	22	53	31km SE. of Ilan	911	"	2	11	23	"
889	"	29	03	30	Hwalien district	912	"	2	18	33	Faint (d)
890	"	29	08	57	"	913	"	2	23	09	Near Alishan
891	"	29	10	44	Northern Colombia 6.8N 73.0W MAG 6.5-6.75 (PAS)	914	"	3	00	28	Faint (d)
892	"	29	13	30	Taitung district	915	"	3	07	17	"
893	"	29	18	01	40km SSE. of Ilan	916	"	3	08	54	Hengchun district
894	"	29	10	27	Taitung district	917	"	3	08	55	Faint (d)
895	"	29	18	55	Hwalien district	918	"	3	15	35	Northern district
896	"	29	20	43	Taitung district	919	"	3	16	23	Hengchun district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
920	Aug.	3	19	16	Faint (d)	943	Aug.	7	23	16	Hwalien district
921	"	3	22	00	Northern district	944	"	7	23	48	Faint (d)
922	"	3	22	12	"	945	"	8	00	16	Taitung district
923	"	3	23	00	"	946	"	3	02	15	Faint (d)
924	"	3	23	05	"	947	"	8	03	17	"
925	"	3	23	29	"	948	"	8	10	03	"
926	"	4	00	05	"	949	"	8	15	16	"
927	"	4	00	06	Hwalien district	950	"	8	15	57	Taitung district
928	"	4	07	01	Faint (d)	951	"	8	16	13	Faint (d)
929	"	4	10	09	80km E. of Hwalien	952	"	8	18	22	"
930	"	4	10	27	Taitung district	953	"	9	07	52	"
931	"	4	13	27	Faint (d)	954	"	9	08	26	"
932	"	4	22	58	"	955	"	9	12	52	Taitung district
933	"	5	00	01	Hengchun district	956	"	9	12	52	"
934	"	5	05	41	Faint (d)	957	"	9	17	10	Northern district
935	"	6	00	55	Taitung district	958	"	9	18	23	Near Hwalien
936	"	6	05	30	Northern district	959	"	9	19	41	35km SSW of Hwalien
937	"	6	07	02	Near Hwalien	960	"	10	04	13	Northern district
938	"	6	15	05	Near Hwalien	961	"	10	11	28	Faint (d)
939	"	7	11	34	Faint (d)	962	"	12	09	51	South of Fiji Islands MAG 6.5 (PAS) 24.7S 177.5W
940	"	7	13	28	"	963	"	13	08	04	Hwalien district
941	"	7	15	26	Near Taitung	964	"	13	13	54	Northern district
942	"	7	17	41	Faint (d)	965	"	13	17	01	Faint (d)

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
966	Aug.	13	19	19	Taitung district	989	Aug.	20	20	56	Faint (d)
967	"	13	20	10	Southern Honshu, Japan MAG 6.75 (PAS) 35.2N, 135.3E.	990	"	21	01	20	Near Hwalien
968	"	13	20	22	Faint (d)	991	"	21	07	39	Northern Sumatra. MAG 6.5-6.75 (PAS) 3.6N 95.8E
969	"	13	22	23	New Britain, 4.4S 152.4E	992	"	22	13	21	Faint (d)
970	"	14	06	53	Faint (d)	993	"	22	17	41	Taitung district
971	"	15	09	27	"	994	"	22	23	21	Faint (d)
972	"	15	14	43	Near Hwalien	995	"	23	09	31	Taitung district
973	"	15	15	45	Faint (d)	996	"	23	18	15	15km NNE. of Yushan
974	"	16	14	38	Taitung district	997	"	24	10	40	Faint (d)
975	"	16	19	26	Faint (d)	998	"	24	17	24	"
976	"	17	08	41	Hwalien district	999	"	25	00	42	Hengchun district
977	"	18	02	40	Taitung district	1000	"	25	08	18	Taitung district
978	"	18	02	44	"	1001	"	25	15	20	Faint (d)
979	"	18	03	37	Ryukyu Islands 27.8N 127.7E.	1002	"	25	22	59	"
980	"	18	14	46	Faint (d)	1003	"	26	00	40	West Caroline Islands MAG 6.5-6.75 (PAS) 12.2N 140.7E.
981	"	18	15	24	"	1004	"	26	02	12	Faint (d)
982	"	19	02	51	Taitung district	1005	"	26	05	30	"
983	"	19	12	24	Faint (d)	1006	"	26	10	27	"
984	"	19	15	24	"	1007	"	26	12	47	Northern district
985	"	19	19	53	Taitung district	1008	"	26	18	31	Faint (d)
986	"	20	02	39	Faint (d)	1009	"	26	19	57	Hwalien district
987	"	20	08	32	Hwalien district	1010	"	27	06	45	Taitung district
988	"	20	17	36	"	1011	"	27	02	06	Faint (d)

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1012	Aug.	27	05	01	Hwalien district	1035	Sept	3	23	17	Taitung district
1013	"	27	14	27	Faint (d)	1036	"	4	02	56	Near Hwalien
1014	"	27	16	41	"	1037	"	4	03	34	Faint (d)
1015	"	28	07	21	Taichung district	1038	"	4	04	04	"
1016	"	28	10	36	Near Anpu	1039	"	4	06	03	Northern district
1017	"	29	07	34	Faint (d)	1040	"	4	08	04	"
1018	"	29	10	58	"	1041	"	4	19	45	Near Hwalien
1019	"	30	04	26	31.7N, 100.3E Szechwan Province China	1042	"	4	2	07	Hengchun district
1020	"	30	07	25	Hwalien district	1043	"	5	03	53	Faint (d)
1021	"	30	08	55	"	1044	"	5	12	18	39km of ESE of Taitung
1022	"	30	11	13	31.6N, 100.3E Szechwan Province China	1045	"	5	16	36	Faint (d)
1023	"	30	12	46	Hwalien district	1046	"	6	03	38	"
1024	"	30	13	13	75km ENE. of Ilan	1047	"	6	07	36	"
1025	"	30	13	45	Faint (d)	1048	"	6	12	19	Northern district
1026	"	31	13	40	Taitung district	1049	"	6	12	42	Near Alishan
1027	Sept.	1	03	37	Faint (d)	1050	"	7	07	17	2.7N, 124.3E Celebes Sea
1028	"	1	10	54	Taitung district	1051	"	7	18	17	Northern district
1029	"	1	22	45	Faint (d)	1052	"	7	21	27	70km SE of Hengchun
1030	"	2	17	16	Hwalien district	1053	"	7	21	31	Hengchun district
1031	"	3	01	31	7.8S, 147.1E. East New Guinea. Region	1054	"	7	22	31	"
1032	"	3	02	53	Tainan district	1055	"	8	08	39	Northern district
1033	"	3	14	08	Hwalien district	1056	"	8	10	42	Near Taitung
1034	"	3	21	26	10.6S, 79.8W. Off Coast of Peru. MAG 6.75-7 (PAS)	1057	"	8	19	15	Northern district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1058	Sept.	8	22	42	12.2N, 140.8E. West Caroline Islands. MAG 5.4-5.6 (BRK)	1081	Sept.	13	13	30	Hwalien district
1059	"	9	00	35	Taitung district	1082	"	13	18	54	Faint (d)
1060	"	9	06	33	Northern district	1083	"	14	10	43	"
1061	"	9	07	24	Faint (d)	1084	"	14	12	51	Near Anpu
1062	"	9	10	26	"	1085	"	14	15	13	Faint (d)
1063	"	9	10	37	Northern district	1086	"	15	00	33	"
1064	"	9	14	49	12.3N, 140.7E. West Caroline Islands	1087	"	15	04	44	Taitung district
1065	"	9	16	49	Hengchun district	1088	"	15	08	19	Near Hwalien
1066	"	9	17	21	Faint (d)	1089	"	15	12	40	Faint (d)
1067	"	9	22	43	"	1090	"	15	15	06	Taitung district
1068	"	10	03	19	Near Hwalien	1091	"	15	16	32	Faint (d)
1069	"	10	04	22	Hwalien district	1092	"	16	03	46	"
1070	"	10	12	55	Taitung district	1093	"	17	01	14	"
1071	"	10	13	22	"	1094	"	17	09	47	Taitung district
1072	"	10	17	47	Faint (d)	1095	"	17	13	02	Near Hengchun
1073	"	11	05	41	"	1096	"	17	14	46	Hwalien district
1074	"	11	05	45	Near Anpu	1097	"	18	04	45	62km ENE of Ilan
1075	"	11	13	04	Faint (d)	1098	"	18	11	02	Faint (d)
1076	"	11	20	32	Near Anpu	1099	"	18	15	40	"
1077	"	12	02	51	Faint (d)	1100	"	18	16	08	Northern district
1078	"	12	21	54	"	1101	"	19	01	32	Taichung district
1079	"	13	12	31	Northern district	1102	"	19	07	34	Hengchun district
1080	"	13	13	16	"	1103	"	19	11	02	Faint (d)

No.	Station	Date	Phase	P. (G.M.T)			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				h.	m.	s.	N	E	Z	N	E	Z	N	E	Z			
27	Anpu	14	p	22	49	04.0	μ	μ	μ	μ	μ	μ	s	s	s	m	s	O (d)
28	Anpu	15	p	10	27	36.0	-	-	-	-	-	-	-	-	-	-	-	O (d)
29	Anpu	15	p	14	45	07.0	-	-	-	-	-	-	-	-	-	03	21.0	O (d)
30	Hsinkong	16	ep	13	40	02.3	-	-	-	-	-	-	-	-	-	05	19.9	O U.S.C.G.S.
	Hengchun	16	ep	40	02.8	-	-	-	-	-	-	-	-	-	-	-	-	O 0.8S, 132.6E
	Taitung	16	p	40	08.2	-	-	-	-	-	-	-	-	-	-	05	06.3	O Guinea
	Taipei	16	ep	40	13.2	-	-	-	-	-	-	-	-	-	-	05	46.3	O Region
	Hwalien	16	p	40	16.6	-	-	-	-	150	-	-	20.0	-	-	05	47.5	O (PAS)
	Tawu	16	ep	40	20.2	-	-	-	-	-	-	-	-	-	-	-	-	O (d)
	Anpu	16	p	40	24.0	-	-	-	-	-	-	-	-	-	-	05	56.0	O
	Iian	16	ep	40	27.1	-	-	-	-	-	-	-	-	-	-	05	41.0	O
	Taichung	16	ep	40	33.5	-	-	-	-	-	-	-	-	-	-	05	21.9	O
31	Alishan	16	p	16	32	33.0	-	-	-	-	-	-	-	-	-	7.7	O 30km NW.	
	Taitung	16	p	32	34.8	-	-	-	82	74	-	1.4	1.5	-	-	9.5	O of Taitung	
	Hsinkong	16	ip	32	36.1	-	6 +	13	-	-	-	-	-	-	-	8.9	I 23.9N,	
	Yushan	16	ep	32	36.4	-	-	-	-	-	-	-	-	-	-	2.3	I 120.9E	
	Tawu	16	ep	32	37.5	-	-	-	-	-	-	-	-	-	-	9.8	O H=20km	
	Hwalien	16	p	32	46.4	-	-	-	-	38	-	-	2.1	-	-	17.9	O (S)	
	Hengchun	16	p	32	48.1	-	-	-	74	-	-	2.2	-	-	-	11.7	I	
	Taichung	16	ep	32	48.6	-	-	-	-	-	-	-	-	-	-	15.0	O	
	Hsinchu	16	ep	32	56.8	-	-	-	-	-	-	-	-	-	-	27.7	O	
	Iian	16	p	32	59.5	-	-	-	-	-	-	-	-	-	-	24.8	O	

No.	Station	Date	Phase	P. (G.M.T)			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				h.	m.	s.	N	E	Z	N	E	Z	N	E	Z			
31	Taipei	16	p	33	02.5	-	μ	μ	μ	μ	μ	μ	s	s	s	m	s	O 28.1
	Anpu	16	p	33	05.2	-	-	-	-	-	-	-	-	-	-	-	-	O 29.5
32	Anpu	16	p	16	33	06.0	-	-	-	-	-	-	-	-	-	-	-	O (d)
33	Taitung	17	ip	17	17	57.9	-	13 +	10	-	232	159	-	3.4	1.6	-	6.2	O 15km SSW.
	Tawu	17	ip	17	59.4	+ 14 -	6	-	-	-	-	-	-	-	-	-	9.3	O of
	Alishan	17	p	18	01.0	-	-	-	-	100	100	-	0.6	1.4	-	9.6	O Hsinkong	
	Hsinkong	17	ip	18	01.2	+ 19 +	44	-	-	-	-	-	-	-	-	01.4	O 22.9N, 121.3E	
	Yushan	17	ep	18	01.7	-	-	-	-	-	-	-	-	-	-	11.5	I H=35km	
	Tainan	17	p	18	02.1	-	-	-	-	-	-	-	-	-	-	12.2	O (S)	
	Kaohsiung	17	ep	18	04.2	-	-	-	-	-	-	-	-	-	-	12.5	O	
	Hengchun	17	ip	18	08.0	-	-	-	-	133	143	-	1.6	1.6	-	12.2	I	
	Hwalien	17	p	18	14.4	-	-	-	-	-	-	-	-	-	-	17.2	O	
	Taichung	17	p	18	15.2	-	-	-	-	-	-	-	-	-	-	16.4	O	
	Hsinchu	17	ep	18	29.0	-	-	-	-	-	-	-	-	-	-	40.4	O	
	Anpu	17	ep	18	29.5	-	-	-	-	-	-	-	-	-	-	37.0	O	
	Iian	17	ep	18	30.1	-	-	-	-	-	-	-	-	-	-	25.3	O	
	Taipei	17	p	18	32.6	-	-	-	-	-	-	-	-	-	-	31.4	O	
34	Anpu	18	p	17	08	02.0	-	-	-	-	-	-	-	-	-	-	-	O (d)
35	Hengchun	20	ep	15	40	55.0	-	-	-	-	-	-	-	-	-	02	54.0	O
	Tawu	20	ep	40	56.4	-	-	-	-	-	-	-	-	-	-	-	-	O
	Taitung	20	ip	40	59.2	+ 4 -	7	-	52	47	-	11.3	9.5	-	03	48.8	O	
	Hwalien	20	p	40	02.3	-	-	-	70	75	-	5.0	5.0	-	03	57.6	O	

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
35	Yushan	20	p	h. m. s. 40 03.2	μ	μ	μ	μ	μ	μ	s	s	s	m	s	O U.S.C.G.S. 7.7N, 134.9E West
	Tainan		p	40 05.0										01 24.0	O	
	Alishan		p	40 06.0										04 01.0	O	Caroline Islands
	Anpu		p	40 14.0										02 45.0	O	Slight
	Taipei		p	40 14.5										03 55.7	O	Damage
	Taichung		ep	40 17.5										03 46.5	O	on Koror Islands
	Ilan		p	40 26.0										02 52.7	O	MAG 6.5 (PAS)
	Hsinchu		p	40 56.0										02 00.0	O	(d)
36	Anpu	21	p	07 08 12.0											O	(d)
37	Anpu	21	p	13 22 10.0											O	(d)
38	Anpu	22	p	04 10 16.0											O	(d)
39	Taipei	22	ep	17 08 18.2										09 29.6	O	U.S.C.G.S. 40.7N, 30.8E MAG 7 1/4
	Anpu		p	08 39.5										09 33.5	O	
	Hsinkong		ep	08 40.4										09 50.1	O	(PAS)
	Taichung		p	08 41.3										09 37.7	O	(d)
	Taitung		ep	08 43.7										09 57.6	O	
	Ilan		ep	08 44.0										09 33.3	O	
	Alishan		ep	08 44.2										08 41.3	O	
	Tainan		ep	08 45.0										09 33.0	O	
	Tawu		ep	08 45.1											O	
	Hwalien		ep	08 45.2				870	650		33.0	28.0		09 32.0	O	
	Hengchun		ep	08 55.8											O	

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
40	Taipei	29	ep	h. m. s. 10 43 36.7	μ	μ	μ	μ	μ	μ	s	s	s	m	s	O U.S.C.G.S. 6.8N, 73.0W MAG 6 1/2-
	Yushan		p	43 46.0											O	
	Taichung		ep	43 47.7											O	6 3/4 (PAS)
	Anpu		p	43 48.0											O	(d)
	Hwalien		p	43 50.5											O	
	Alishan		p	43 53.0											O	
	Taitung		p	44 00.1											O	
	Hengchun		ep	44 01.5											O	
	Ilan		ep	44 07.5											O	
	Tainan		ep	44 29.0											O	
41	Anpu	30	p	00 19 36.0										13 28.0	O	
	Hengchun		ep	19 53.4											O	(d)
	Taitung		p	19 47.6											O	

Major Earthquakes Which Occurred in August, 1967

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
1	Hsinkong	2	p	h. m. s. 06 34 08.5	+ 13	+ 13	-	μ	μ	μ	s	s	s	m	s	9.0 I 35km NNE of Yushan H=10km
	Hwalien		ip	34 28.6	+ 6	- 10	- 22		530	310		1.8	1.8		6.7 II	
	Yushan		ip	34 28.8	+ 1	+ 1									6.9 II	(L)
	Alishan		ip	34 33.3	+ 12	+ 21		516	670		2.1	2.0			7.2 I	
	Taitung		p	34 35.7		+ 1		304	422		2.6	2.5			16.0 O	
	Taichung		ip	34 37.0	- 7	+ 9	- 18	362	348	385	2.9	2.9	2.5		13.3 I	

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z			
1	Hsinchu	2	ep	h. m. s. 34 41.4	μ	μ	μ	μ	μ	μ	s	s	s	m	s	17.5 O
	Ilan		ep	34 44.7	-	-	-	-	-	-	-	-	-	-	-	15.3 O
	Anpu		p	34 45.5	-	-	-	-	-	-	-	-	-	-	-	3.9 O
	Tainan		p	34 47.2	-	-	-	-	-	-	-	-	-	-	-	15.9 O
	Taipei		ep	34 47.5	-	-	-	-	-	-	-	-	-	-	-	18.7 O
	Kaohsiung		ep	34 50.0	-	-	-	-	-	-	-	-	-	-	-	14.0 O
	Hengchun		ep	34 52.5	-	-	-	-	-	-	-	-	-	-	-	17.2 O
	Tawu		ep	35 00.1	-	-	-	-	-	-	-	-	-	-	-	16.3 O
2	Hwalien	12	p	09 51 22.3	-	-	-	-	-	-	-	-	-	-	-	O U.S.C.G.S.
	Taipei		ep	51 23.0	-	-	-	-	-	-	-	-	-	-	-	24.7S, 177.5W MAG 6 1/2
	Anpu		p	51 24.5	-	1	-	+	1	-	-	-	-	-	-	09 35.5 O (PAS)
	Ilan		p	51 48.1	-	-	-	-	-	-	-	-	-	-	-	O (d)
3	Anpu	13	p	20 10 14.5	+	1	-	1	+	1	-	-	-	-	-	02 33.5 O U.S.C.G.S.
	Hsinkong		p	10 23.7	-	-	-	-	-	-	-	-	-	-	-	35.3N, 135.3E Southern
	Tawu		ep	10 32.8	-	-	-	-	-	-	-	-	-	-	-	O Honshu
	Taitung		p	10 37.7	-	-	-	-	-	-	-	-	-	-	-	03 10.3 O Japan
	Taipei		ep	10 56.0	-	-	-	-	-	-	-	-	-	-	-	02 08.0 O (PAS) (d)
	Hwalien		ep	11 00.1	-	-	-	-	-	-	-	-	-	-	-	O
	Ilan		ep	11 35.5	-	-	-	-	-	-	-	-	-	-	-	O
	Tainan		ep	13 04.0	-	-	-	-	-	-	-	-	-	-	-	O
4	Taipei	13	ep	22 23 00.0	-	-	-	-	-	-	-	-	-	-	-	O U.S.C.G.S.
	Anpu		p	23 02.0	-	-	-	-	-	-	-	-	-	-	-	06 04.0 O 4.4S, 152.4E.

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z			
4	Hwalien	13	p	h. m. s. 23 04.4	μ	μ	μ	μ	μ	μ	s	s	s	m	s	06 06.3 O (d)
	Taitung		ep	23 05.2	-	-	-	-	-	-	-	-	-	-	-	O
5	Anpu	18	p	03 37 10.5	-	-	-	-	-	-	-	-	-	-	-	01 14.5 O U.S.C.G.S.
	Taipei		ep	37 15.0	-	-	-	-	-	-	-	-	-	-	-	01 10.0 O 27.8N, 127.7E
	Ilan		ep	37 15.6	-	-	-	-	-	-	-	-	-	-	-	01 35.4 O Ryukyu Islands
	Hwalien		p	37 15.9	-	-	-	-	-	-	-	-	-	-	-	O (d)
	Taitung		ep	37 30.3	-	-	-	-	-	-	-	-	-	-	-	O
	Hengchun		ep	39 13.2	-	-	-	-	-	-	-	-	-	-	-	O
6	Taichung	21	ep	07 39 18.8	-	-	-	-	-	-	-	-	-	-	-	O U.S.C.G.S.
	Tawu		ep	39 22.1	-	-	-	-	-	-	-	-	-	-	-	O 3.6N, 95.8E MAG 6 1/2
	Taitung		p	39 23.8	-	-	-	-	-	-	-	-	-	-	-	08 13.9 O 6 3/4 (PAS)
	Alishan		ep	39 30.7	-	-	-	-	-	-	-	-	-	-	-	10 45.0 O (d)
	Anpu		ep	39 33.5	+	4	+	59	+	1	-	-	-	-	-	05 43.5 O
	Taipei		p	39 34.0	-	-	-	-	-	-	-	-	-	-	-	05 10.0 O
	Hwalien		ep	39 40.1	-	-	-	-	-	-	178	-	-	18.0	-	O
	Ilan		ep	39 47.6	-	-	-	-	-	-	-	-	-	-	-	O
7	Hengchun		ep	47 00.6	-	-	-	-	-	-	-	-	-	-	-	O
	Yushan	23	ip	18 06 29.4	-	-	-	-	-	-	-	-	-	-	-	1.2 I 15km NNE
	Alishan		ip	06 30.9	-	29	-	48	+	96	529	578	-	3.1	2.1	3.0 III of Yushan H=15km
	Taichung		ip	06 38.3	+	10	-	13	+	27	157	201	138	1.6	0.7	2.4 10.7 I (L)
	Hsinkong		p	06 39.7	-	-	-	-	-	-	-	-	-	-	-	O
	Hwalien		p	06 41.4	-	-	-	-	-	-	70	118	13	2.6	3.2	2.1 8.3 O
	Taitung		p	06 44.3	-	+	-	-	-	-	43	68	-	2.3	1.9	- 19.2 O

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				(G.M.T)			N	E	Z	N	E	Z	N	E	Z			
7	Hsinkong	15	p	h. m. s.	μ	μ	μ	μ	μ	μ	s	s	s	m	s		22km WNW of Taichung 24.2N,120.5E H=20km (M)	
	Taichung		ip	57 33.6	-	67-	27+	26	-	-	-	-	-	-	-	3.9	II	
	Alishan		ip	57 37.4	+	6+	12-	8	-	-	-	-	-	-	-	8.5	I	
	Yushan		ip	57 43.3	-	-	-	-	335	528	-	1.2	0.9	-	-	11.2	I	
	Hwalien		ip	57 43.9	+	2-	7-	-	240	280	-	2.1	1.9	-	-	13.3	I	
	Hsinchu		ep	57 46.0	-	-	-	-	-	-	-	-	-	-	-	10.5	II	
	Anpu		p	57 50.0	-	-	-	-	-	-	-	-	-	-	-	6.0	O	
	Ilan		p	57 50.9	-	-	-	-	134	163	-	3.1	2.5	-	-	13.8	I	
	Taipei		ep	57 53.4	-	-	-	-	-	-	-	-	-	-	-	19.8	O	
	Tainan		p	57 54.4	-	15-	14+	7	400	500	111	0.2	0.2	0.2	-	16.6	I	
	Taitung		ip	57 56.5	+	10-	9-	21	217	189	159	2.1	1.4	1.4	-	20.4	I	
	Kaohsiung		ep	57 57.2	-	-	-	-	-	-	-	-	-	-	-	16.0	I	
	Tawu		ep	58 00.1	-	-	-	-	-	-	-	-	-	-	-	24.8	O	
	Hengchun		ep	58 04.7	-	-	-	-	17	23	-	-	2.2	-	-	23.8	I	
	Penghu		p	58 42.0	-	-	-	-	258	206	-	0.8	1.3	-	-	13.9	O	
8	Ilan	20	p	01 31 57.4	-	-	-	-	199	155	76	1.6	1.4	1.2	-	10.0	I	68km E. of Ilan 24.8N,122.4E H=70km (S)
	Hwalien		ip	31 58.9	-	3-	2+	15	140	175	80	2.1	1.0	1.2	-	13.2	I	
	Anpu		p	32 00.3	-	-	-	-	-	-	-	-	-	-	-	7.7	O	
	Taipei		ep	32 00.5	-	-	-	-	-	-	-	-	-	-	-	11.9	I	
	Yushan		ep	32 01.3	-	-	-	-	-	-	-	-	-	-	-	22.3	O	
	Hsinkong		p	32 11.0	-	-	-	-	-	-	-	-	-	-	-	-	O	
	Alishan		ep	32 11.0	-	-	-	-	-	-	-	-	-	-	-	21.0	O	
	Taitung		p	32 13.3	+	-	+	-	-	-	-	-	-	-	-	25.1	O	

No.	Station	Date	Phase	P.			Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
				(G.M.T)			N	E	Z	N	E	Z	N	E	Z			
8	Tawu	20	ep	h. m. s.	μ	μ	μ	μ	μ	μ	s	s	s	m	s		22.8 O	
	Hengchun		p	32 27.3	-	-	-	-	-	-	-	-	-	-	-	-	33.4	O
	Hsinchu		p	32 51.0	-	-	-	-	-	-	-	-	-	-	-	-	20.8	O
9	Hwalien	28	p	13 51 44.5	-	-	-	-	-	-	-	-	-	-	-	-	9.9	O 52km ENE. of Taitung 22.9N,121.6E H=20km (S)
	Taitung		p	52 29.2	-	-	-	-	102	116	-	1.2	1.2	-	-	6.1	O	
	Hsinkong		ip	52 30.6	-	-	-	-	-	-	-	-	-	-	-	6.4	I	
	Tawu		p	52 32.3	-	-	-	-	100	-	-	0.9	-	-	-	7.4	O	
	Hengchun		p	52 38.6	-	-	-	-	157	85	-	-	-	-	-	12.3	I	
	Alishan		ep	52 38.8	-	-	-	-	-	-	-	-	-	-	-	12.0	O	
	Yushan		ep	52 39.8	-	-	-	-	-	-	-	-	-	-	-	10.5	O	
	Tainan		ep	52 43.5	-	-	-	-	-	-	-	-	-	-	-	17.0	O	
	Taichung		ep	52 49.8	-	-	-	-	-	-	-	-	-	-	-	19.0	O	
	Anpu		p	52 59.7	-	-	-	-	-	-	-	-	-	-	-	31.3	O	
	Taipei		ep	53 06.0	-	-	-	-	-	-	-	-	-	-	-	-	O	
10	Taipei	30	p	07 59 28.0	-	-	-	-	-	-	-	-	-	-	-	04 32.8	O U.S.C.G.S. 28.9N,129.9E Ryukyu Islands MAG 4.9-5.2 (BRK) (d)	
	Hwalien		ep	59 29.0	-	-	-	-	-	-	-	-	-	-	-	02 14.6	O	
	Alishan		ep	59 54.4	-	-	-	-	-	-	-	-	-	-	-	-	O	
	Taichung		ep	08 00 00.4	-	-	-	-	-	-	-	-	-	-	-	-	O	
	Taitung		ep	00 06.9	-	-	-	-	-	-	-	-	-	-	-	03 01.8	O	

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地震季報

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中華民國五十六年十、十一、十二月

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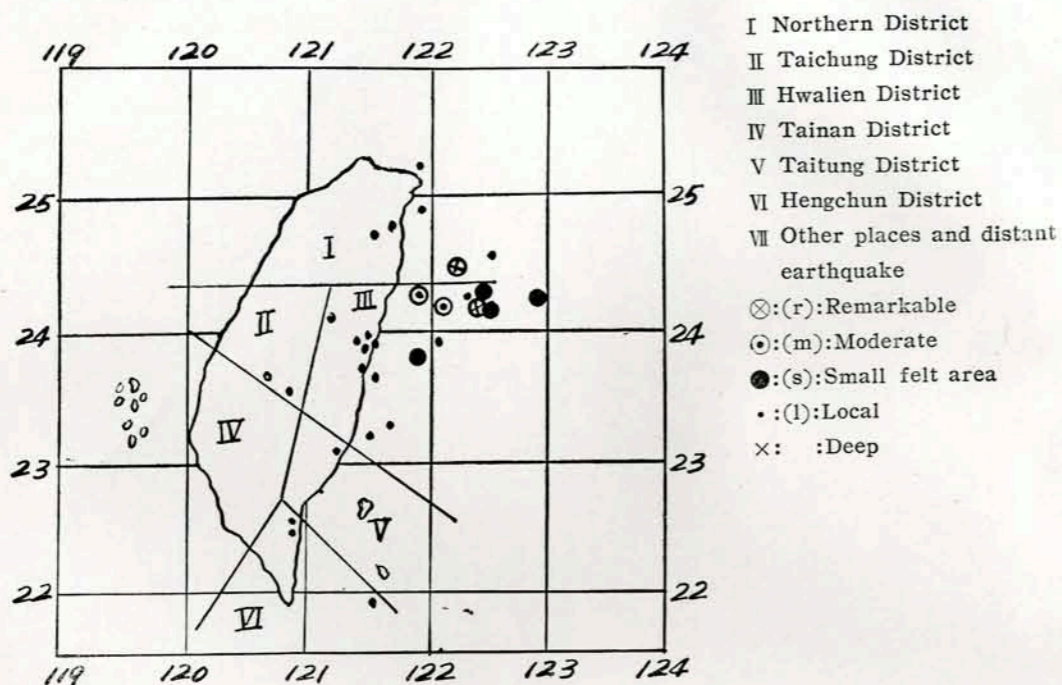
臺灣省氣象局

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TAIWAN PROVINCIAL WEATHER BUREAU

64, KUNG YUAN ROAD, TAIPEI TAIWAN, CHINA

Epicenters of Felt Earthquakes in October to December 1967



Number of earthquakes classified according to it's magnitude and districts October to December 1967

Classification	Number of felt earthquakes					Number of unfelt earthquakes	Total
	Remarkable	Moderate	Small felt area	Local	Total		
Northern District	—	—	—	5	5	38	43
Taichung "	—	—	—	2	2	12	14
Hwalien "	2	2	4	11	19	105	124
Tainan "	—	—	—	—	—	2	2
Taitung "	—	—	—	1	1	64	65
Hengchun "	—	—	—	3	3	34	37
Other places	—	—	—	—	—	110	110
Total	2	2	4	22	30	365	395

Felt Earthquakes in the month of October to December, 1967.

No.	Month	P. (G. M. T.)			Mag-nitude	Epicenter	Latitude		Longitude	Depth
		d.	h.	m.			N.	E.		
53	Oct.	02	14	16	L	18km E. of keelung				50
54	"	18	03	07	L	20km ENE of Ilan				20
55	"	18	22	46	L	20km WSW of Ilan				25
56	"	22	20	16	L	Near Hsinkong				
57	"	25	00	59	R	58km SE of Ilan	24.4	122.1		20
58	"	25	01	56	M	45km ENE of Hwalien	24.2	121.9		5
59	"	25	07	07	L	75km ESE of Ilan				10
60	"	25	08	54	M	58km ENE of Hwalien	24.2	122.1		15
61	"	25	18	28	L	76km ENE of Hwalien				20
62	"	26	00	21	R	75km ENE of Hwalien	24.2	122.3		20
63	"	27	20	41	S	85km ENE of Hwalien	24.3	122.4		25
64	"	30	20	11	L	Near Hwalien				
65	Nov.	03	05	07	S	80km ENE of Hwalien	24.1	122.9		45
66	"	12	19	12	L	Near Tawu				
67	"	12	23	31	L	24km SSW of Hwalien				10
68	"	13	01	47	L	Near Hwalien				
69	"	17	13	58	S	140km ENE of Hwalien	24.2	121.9		60
70	"	17	14	47	L	42km E. of Hwalien				10
71	"	18	08	53	L	Near Alishan				
72	"	19	19	47	L	About 48km ESE of Hengchin				20
73	"	19	20	44	L	Near Yushan				
74	"	21	06	21	L	Near Ilan				
75	"	25	06	25	L	31km WNW of Hwalien				5
76	"	25	11	34	L	Near Hwalien				
77	"	28	07	09	L	29km SSE of Hwalien				20
78	Dec.	09	13	38	S	37km ESE of Hwalien	23.9	121.9		30
79	"	18	20	20	L	Near Tawu				
80	"	19	03	07	L	32km ENE of Hwalien				20
81	"	26	01	55	L	Near Hwaiiem				
82	"	30	20	53	L	18km ENE of Hsinkong				20

Unfelt Earthquakes in the Month of October to December, 1967.

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1149	Oct.	01	02	55	Taitung district	1171	Oct.	06	13	25	Taitung district
1150	"	01	16	26	Northern district	1172	"	06	19	57	Near taitung
1151	"	02	00	23	(d)	1173	"	06	23	34	Near Yushan
1152	"	02	09	06	Taitung district	1174	"	07	03	42	Henchung district
1153	"	02	11	57	Northern district	1175	"	07	04	32	Taitung district
1154	"	02	15	02	(d)	1176	"	07	07	44	Hwalien district
1155	"	03	14	05	Near Taitung	1177	"	07	08	41	(d)
1156	"	03	18	35	(d)	1178	"	07	14	55	"
1157	"	03	19	08	(d)	1179	"	07	20	07	"
1158	"	04	17	26	New Irelanc (d)	1180	"	08	17	07	East New Guinea region
1159	"	04	17	35	Taichung District	1181	"	08	18	11	Solomon Islands
1160	"	04	20	42	"	1182	"	09	08	40	98km ENE of Hwaiien
1161	"	04	23	36	Hwalien district	1183	"	09	13	36	(d)
1162	"	05	00	04	"	1184	"	09	17	32	Fiji Islands
1163	"	05	04	27	(d)	1185	"	10	01	14	Northern district
1164	"	05	08	22	Hengchun district	1186	"	10	03	10	(d)
1165	"	05	10	17	Near Hwalien	1187	"	10	04	11	Taitnug district
1166	"	05	12	58	Hengchun district	1188	"	10	05	23	(d)
1167	"	05	16	06	(d)	1189	"	10	18	49	(d)
1168	"	05	20	05	Taitung district	1190	"	11	07	39	"
1169	"	06	04	16	(d)	1191	"	11	08	07	33km ESE of Kaohsung
1170	"	06	07	46	"	1192	"	11	15	56	(d)

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1193	Oct.	11	16	00	Taichung district	1216	Oct.	19	06	04	Henchung district
1194	"	12	03	51	(d)	1217	"	19	08	17	Taitung district
1195	"	12	03	53	Taitung district	1218	"	20	00	20	New Anpu
1196	"	12	08	45	(d)	1219	"	20	00	21	Northern district
1197	"	12	13	01	"	1220	"	20	05	09	Taitung district
1198	"	12	18	37	"	1221	"	20	07	38	New Anpu
1199	"	13	03	19	Near Hwalien	1222	"	20	07	50	About 93km ESE of Hwalien
1200	"	13	04	15	(d)	1223	"	21	03	54	(d)
1201	"	13	04	25	Northern district	1224	"	21	05	39	(d)
1202	"	13	19	53	(d)	1225	"	21	09	57	Hwalien district
1203	"	14	14	49	Taitung district	1226	"	22	01	55	Northern district
1204	"	14	17	15	Henchung district	1227	"	22	06	44	(d)
1205	"	15	08	19	(d)	1228	"	22	07	08	Near Anpu
1206	"	15	08	22	Hwalien district	1229	"	22	07	57	Hwalien district
1207	"	15	14	48	Near Hwalien	1230	"	22	19	27	Henchung district
1208	"	16	12	17	Hwalien district	1231	"	23	04	33	Taitung district
1209	"	16	17	02	Henchung district	1232	"	23	08	30	Bonin Islands region
1210	"	16	18	42	Taitung district	1233	"	23	16	18	Near Hwalien
1211	"	16	21	09	Taichung district	1234	"	24	01	29	"
1212	"	17	21	06	Henchung district	1235	"	24	01	30	"
1213	"	18	00	28	Northern district	1236	"	24	04	11	Hwalien district
1214	"	18	01	04	Taichung district	1237	"	24	06	42	Near Hwalien
1215	"	18	06	46	Near Anpu	1238	"	24	07	27	Northern district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1239	Oct.	24	22	49	Near Hwalien	1262	Oct.	26	12	47	Near Hsinkong
1240	"	25	00	51	Near Hsinkong	1263	"	26	12	57	Near Ilan
1241	"	25	02	40	Northern district	1264	"	26	16	19	Henchung district
1242	"	25	03	32	Taitung district	1265	"	26	16	45	About 58km ESE of Ilan
1243	"	25	03	35	Northern district	1266	"	26	17	23	Northern district
1244	"	25	06	58	Hwalien district	1267	"	27	02	20	About 78km ENE of Hwalien
1245	"	25	07	26	56km ENE of Hwalien	1268	"	27	02	48	About 58km ENE of Hwalien
1246	"	25	08	07	Northern district	1269	"	27	03	07	About 85km ENE of Hwalien
1247	"	25	10	35	Henchung district	1270	"	27	05	30	Near Hsinkong
1248	"	25	11	07	68km SE of Ilan	1271	"	27	05	32	Taitung district
1249	"	25	12	19	About 36km ENE of Hwalien	1272	"	27	10	03	About 74km ENE of Hwalien
1250	"	25	13	30	Near Hwalien	1273	"	27	10	34	About 40km ENE of Hwalien
1251	"	25	15	19	About 73km ENE of Hwalien	1274	"	27	15	38	About 50km ENE of Hwalien
1252	"	25	16	33	"	1275	"	27	18	33	"
1253	"	25	17	20	Hwalien district	1276	"	28	06	02	About 64km ENE of Taichung
1254	"	25	22	06	Near Hsinkong	1277	"	29	12	59	(d)
1255	"	26	01	57	Hwalie district	1278	"	29	13	48	Northern district
1256	"	26	02	51	Taitung district	1279	"	29	18	43	Hwalien district
1257	"	26	05	53	About 70km ENE of Hwalien	1280	"	29	19	14	Near Hsinkong
1258	"	26	09	30	Northern district	1281	"	29	19	16	"
1259	"	26	10	26	About 53km ENE of Hwalien	1282	"	29	23	59	Hwalien district
1260	"	26	10	30	About 80km ENE of Hwalien	1283	"	30	01	09	Henchung district
1261	"	26	12	21	About 72km ENE of Hwalien	1284	"	30	01	43	Taitung district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1285	Oct.	30	14	25	Hwalien district	1308	Nov.	07	02	52	Northern district
1286	"	31	22	50	Norther district	1309	"	07	03	24	About 110km ENE of Hsinkong
1287	"	31	23	50	"	1310	"	07	10	24	Hwalien district
1288	Nov.	01	06	08	Taitung district	1311	"	07	17	38	Taitung district
1289	"	01	16	21	(d)	1312	"	07	22	17	About 110km ENE of Hwalien
1290	"	01	17	51	Northern district	1313	"	08	00	14	Near Hsinkong
1291	"	01	19	03	(d)	1314	"	08	06	14	(d)
1292	"	02	16	50	Near Hwalien	1315	"	08	17	18	"
1293	"	03	00	47	About 75km ENE of Hwalien	1316	"	08	17	34	About 55km ESE of Hwalien
1294	"	03	07	51	(d)	1317	"	08	18	57	Near Hwalien,
1295	"	03	07	53	Northern district	1318	"	08	19	58	About 30km NNE of Yushan
1296	"	03	13	12	Near Hwalien	1319	"	08	20	02	Northern district
1297	"	03	16	46	Northern district	1320	"	08	20	06	Near Yushan
1298	"	03	16	51	Hwalien district	1321	"	09	02	21	(d)
1299	"	03	18	26	Taitung district	1322	"	09	02	25	Taitung district
1300	"	04	05	12	Near Hwalien	1323	"	09	02	28	Henchung district
1301	"	04	05	30	"	1324	"	09	04	55	Taitung district
1302	"	04	07	02	"	1325	"	09	11	00	Near Hwalien
1303	"	04	07	56	About 76km ENE of Hwalien	1326	"	10	08	40	Hwalien district
1304	"	04	13	31	(d)	1327	"	10	18	55	(d)
1305	"	04	14	36	Japan region. Near Hokkido	1328	"	11	00	15	Hwalien district
1306	"	04	18	04	About 114km ENE of Hwalien	1329	"	11	03	35	Near Hwalien
1307	"	04	22	07	Northern district	1330	"	11	11	40	"

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1331	Nov.	11	11	43	(d)	1354	Nov.	20	02	38	(d)
1332	"	11	15	31	"	1355	"	20	10	52	"
1333	"	11	17	56	Henchung district	1356	"	21	16	05	Near Ilan
1334	"	11	18	09	(d)	1357	"	21	17	49	(d)
1335	"	11	20	47	"	1358	"	22	15	30	"
1336	"	11	10	48	"	1359	"	22	19	51	Near Hwalien
1337	"	12	17	55	"	1360	"	23	14	17	Taitung district
1338	"	12	20	21	Taitung district	1361	"	23	08	46	(d)
1339	"	12	21	12	Hwalien district	1362	"	23	13	53	"
1340	"	12	21	14	(d)	1363	"	23	17	59	Near Tawu
1341	"	12	21	20	Henchung district	1364	"	23	18	35	Near Hsinkong
1342	"	14	05	35	(d)	1365	"	23	19	58	Hengchun district
1343	"	14	18	23	Near Taitung	1366	"	23	05	16	About 70km ENE of Hwalien
1344	"	15	13	43	Near Hsinkong	1367	"	24	11	14	(d)
1345	"	15	18	45	Near Anpu	1368	"	24	16	07	About 77km ENE of Hwalien
1346	"	15	19	00	Northern district	1369	"	24	18	46	About 30km NNE of Hsinkong
1347	"	16	14	28	Hwalien district	1370	"	25	06	23	Hwalie district
1348	"	17	14	36	About 74km ENE of Hwalien	1371	"	25	12	07	Northern district
1349	"	18	08	38	Northern district	1372	"	25	22	41	About 79km SE of Ilan
1350	"	19	12	11	(d)	1373	"	26	00	10	Ryukyu islands
1351	"	19	17	40	"	1374	"	26	08	29	(d)
1352	"	19	19	44	Taichung district	1375	"	26	10	59	"
1353	"	20	02	22	Hengchun district	1376	"	26	13	48	Hengchun district

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1377	Nov.	26	14	42	Hengchun district	1400	Dec.	03	11	37	Near Hsinkong
1378	"	27	14	59	(d)	1401	"	03	16	44	Taitung district
1379	"	27	08	40	"	1402	"	04	05	18	"
1380	"	27	21	31	"	1403	"	04	12	42	Near Taitung
1381	"	27	17	39	Kyushu Japan	1404	"	04	20	16	(d)
1382	"	28	08	10	Hengchun district	1405	"	04	21	17	Hwalien district
1383	"	28	17	29	Hwalien district	1406	"	05	12	37	Taitung district
1384	"	28	18	22	(d)	1407	"	05	13	58	Near Hwalien
1385	"	29	03	52	"	1408	"	05	14	17	Taitung district
1386	"	30	07	36	"	1409	"	05	19	18	(d)
1387	"	30	12	24	"	1410	"	06	05	30	Near Hsinkong
1388	Dec.	01	04	35	Near Ilan	1411	"	06	05	51	(d)
1389	"	01	14	03	(d)	1412	"	06	15	10	"
1390	"	01	14	42	Near Taitung	1413	"	07	03	11	Hengchun district
1391	"	02	01	27	(d)	1414	"	07	12	17	Hwalien district
1392	"	02	13	58	Near Hsinkong	1415	"	07	16	41	Taichung district
1393	"	02	17	07	Near Hwalien	1416	"	07	17	09	Taitung district
1394	"	02	20	09	North-eastern of China	1417	"	08	03	05	Northern district
1395	"	02	20	59	(d)	1418	"	08	03	16	(d)
1396	"	02	21	08	Near Hwalien	1419	"	08	03	20	Hwalien district
1397	"	02	22	10	Near Hsinkong	1420	"	08	13	57	39km NNW of Hwalien
1398	"	02	23	15	Near Hwalien	1421	"	09	03	57	Hwalien district
1399	"	03	11	28	(d)	1422	"	09	11	00	(d)

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1423	Dec.	09	22	53	About 45km SSE of Hwalien	1446	Dec.	15	05	51	Taitung district
1424	"	10	12	35	(d)	1447	"	15	09	30	Near Tawu
1425	"	10	22	59	"	1448	"	15	10	05	"
1426	"	11	12	01	Taitung district	1449	"	15	10	23	"
1427	"	11	12	50	"	1450	"	15	11	47	"
1428	"	11	13	22	Near Hsinkong	1451	"	15	11	55	"
1429	"	11	18	28	Near Anpu	1452	"	15	12	44	"
1430	"	11	22	50	(d)	1453	"	15	13	18	"
1431	"	12	10	11	About 133km ESE of Hwalien	1454	"	16	04	56	Taichung district
1432	"	12	17	13	Hwalien district	1455	"	16	07	35	Taitung district
1433	"	12	23	15	"	1456	"	16	11	07	(d)
1434	"	13	04	45	(d)	1457	"	16	11	15	Northern district
1435	"	13	04	53	Northern district	1458	"	16	11	27	Hwalien district
1436	"	13	10	44	(d)	1459	"	16	11	43	"
1437	"	13	19	17	"	1460	"	16	16	20	(d)
1438	"	13	23	47	Hengchun district	1461	"	16	21	01	"
1439	"	14	00	36	"	1462	"	17	11	26	Hengchun district
1440	"	14	02	30	(d)	1463	"	17	16	04	(d)
1441	"	14	07	38	"	1464	"	18	04	15	Tainan district
1442	"	14	18	42	"	1465	"	18	10	26	(d)
1443	"	14	19	55	Hengchun district	1466	"	18	13	47	Near Tawu
1444	"	15	05	41	(d)	1467	"	18	14	09	South of Mariana Islands
1445	"	15	05	47	Hengchun district	1468	"	19	02	24	Near Hsinkong

No.	Month	P. (G. M. T.)			Epicenter	No.	Month	P. (G. M. T.)			Epicenter
		d.	h.	m.				d.	h.	m.	
1469	Dec.	19	04	46	67km ENE of Hwalien	1492	Dec.	25	10	00	Hwalien district
1470	"	19	08	43	Taitung district	1493	"	25	17	35	(d)
1471	"	20	01	45	Hwalien district	1494	"	26	04	32	Hwalien district
1472	"	20	03	58	"	1495	"	27	09	37	(d)
1473	"	20	11	45	(d)	1496	"	27	14	45	"
1474	"	20	13	27	Hwalien district	1497	"	27	16	34	"
1475	"	20	20	59	Near Hsinkong	1498	"	28	00	15	Hwalien district
1476	"	20	23	42	162km ESE of Hwaiien	1499	"	28	02	48	Hear Hwalien
1477	"	21	02	45	(d)	1500	"	28	06	45	(d)
1478	"	21	16	10	"	1501	"	28	16	32	Hwalien district
1479	"	21	21	25	Near Hwalien	1502	"	28	22	37	(d)
1480	"	21	22	02	Taitung district	1503	"	29	03	14	Taiiung district
1481	"	22	15	22	Near Hsinkong	1504	"	29	05	52	Hwalien district
1482	"	23	13	30	(d)	1505	"	29	10	19	Taitung district
1483	"	23	19	06	Hwalien district	1506	"	30	04	24	117km ENE of Hwalien
1484	"	23	21	01	Near Hsinkong	1507	"	30	05	25	Near Yushan
1485	"	24	08	42	(d)	1508	"	30	09	21	Hwalien district
1486	"	24	09	25	Near Hwalien	1509	"	30	20	53	Taitung district
1487	"	24	13	21	Taitung district	1510	"	30	21	39	44km ESE of Ilan
1488	"	24	14	25	Near Tawu	1511	"	30	22	54	Hwalien district
1489	"	24	20	20	(d)	1512	"	31	10	57	Taitung district
1490	"	25	00	37	Hwalien district	1513	"	31	12	53	Near Hwalien
1491	"	25	01	30	New Ireland region						

Major Earthquakes which occurred in October 1967

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks
					N	E	Z	N	E	Z	N	E	Z			
1	Anpu	2	ip	h. m. s. 14 16 06.4	+	0.2	-	0.5	-	0.3	-	-	-	0	13.2	18km E. of Keelung H=5km
	Ilan		ep	16 07.3	-	-	-	-	-	-	-	-	-	7.1	O	
	Hsinkong		p	16 07.9	-	-	-	-	-	-	-	-	-	-	O	
	Taipei		ep	16 08.4	-	-	-	-	-	-	-	-	-	7.1	O	
	Hwalien		p	16 11.4	-	-	-	-	-	-	-	-	-	13.9	O	
	Taichung		ep	16 17.2	-	-	-	-	-	-	-	-	-	17.1	O	
	Yushan		ep	16 21.5	-	-	-	-	-	-	-	-	-	22.3	O	
	Hsinchu		p	16 22.4	-	-	-	-	-	-	-	-	-	18.4	O	
	Alishan		ep	16 22.4	-	-	-	-	-	-	-	-	-	22.0	O	
	Taitung		ep	16 28.0	-	-	-	-	-	-	-	-	-	-	O	
	Tawu		p	16 35.8	-	-	-	-	-	-	-	-	-	-	O	
	Hengchun		ep	16 41.5	-	-	-	-	-	-	-	-	-	-	O	
2	Ilan	09	ep	08 40 52.2	-	-	-	-	-	-	-	-	-	0	11.5	98km ENE of Hwalien H=50km
	Hwalien		p	40 59.8	-	-	-	-	-	-	-	-	-	7.6	O	
	Taipei		ep	41 03.3	-	-	-	-	-	-	-	-	-	13.4	O	
	Anpu		p	41 03.3	-	-	-	-	-	-	-	-	-	-	O	
	Alishan		ep	41 08.7	-	-	-	-	-	-	-	-	-	20.0	O	
	Yushan		ep	41 09.9	-	-	-	-	-	-	-	-	-	16.1	O	
	Taichung		ep	41 11.9	-	-	-	-	-	-	-	-	-	19.9	O	
	Taitung		ep	41 14.1	-	-	-	-	-	-	-	-	-	20.9	O	
	Hengchun		ep	41 32.6	-	-	-	-	-	-	-	-	-	-	O	
	Hsinchu		ep	42 11.0	-	-	-	-	-	-	-	-	-	18.4	O	

No.	Station	Date	Phase	P. (G.M.T)	Initial Motion			Maximum Amplitude			Period			P~S	Intensity	Epicenter & Remarks		
					N	E	Z	N	E	Z	N	E	Z					
3	Hsinchu	09	p	h. m. s. 17 32 02.0	-	-	-	-	-	-	-	-	-	-	-	O	Fiji Islands region	
	Tawu		ep	32 12.0	-	-	-	-	-	-	-	-	-	-	-	O		
	Alishan		ep	32 17.5	-	-	-	-	-	-	-	-	-	-	-	O		
	Taitung		p	32 16.9	-	19.8	+	9.8	-	41	64	168	-	3.9	2.2	-	8 34.3	O
	Yushan		ep	32 18.5	-	-	-	-	-	-	-	-	-	-	-	-	O	
	Hwalien		p	32 18.7	-	-	-	-	-	-	-	-	-	-	-	8 37.2	O	
	Hengchun		ip	32 19.5	-	-	-	-	-	-	-	-	-	-	-	-	O	
	Anpu		p	32 21.0	-	14.6	+	8.0	-	11.4	-	-	-	-	-	-	O	
	Tainan		p	32 31.0	-	-	-	-	-	-	-	-	-	-	-	-	O	
	Taipei		ep	32 21.7	-	-	-	-	-	-	-	-	-	-	-	8 40.0	O	
	Taichung		ep	32 22.9	-	-	-	-	-	-	-	-	-	-	-	8 41.1	O	
	Ilan		ip	32 23.9	-	4.6	+	27	-	-	-	-	-	-	-	7 55.7	O	
4	Hsinchu	25	ep	00 59 33.0	-	-	-	1600	18200	-	0.7	0.7	-	0	18.5	IV	58km SE of Ilan 24.4 N. 122.1 E	
	Hwalien		ip	59 35.6	+	59.6	-	21.2	-	317	2750	3200	2250	4.2	3.1	4.0	12.5	IV
	Aupu		p	59 40.9	-	12	+	4.0	-	9.9	-	-	-	-	-	-	15.1	III
	Taipei		ip	59 41.2	-	36.0	+	313	-	667	24850	29500	-	2.0	1.9	-	11.2	IV
	Ilan		ip	59 42.5	-	255	+	235	-	-	-	-	-	-	-	-	5.3	V
	Hsinkong		p	59 46.2	-	30	-	15	+	5.1	-	-	-	-	-	-	18.5	IV
	Punhu		p	59 46.4	-	163	-	-	-	-	-	-	-	-	-	-	29.3	III
	Taichung		ip	59 47.4	+	5.4	+	42.2	-	222	28600	25600	24250	4.0	5.0	4.6	17.0	III
	Yushan		p	59 48.2	-	20	-	30.7	-	-	-	-	-	-	-	-	18.0	I
	Alishan		ip	59 49.4	-	8	-	24	+	41	-	-	-	-	-	-	17.6	III
	Taitung		ip	59 53.6	-	21	-	197	+	60	1104	1427	462	2.4	3.9	4.1	17.4	IV
	Tainan		ip	59 54.0	+	119	+	81	-	232	5300	5200	4300	2.4	2.9	2.7	29.4	

No.	Station	Date	Phase	P. (G.M.T.)			Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks			
				h.	m.	s.	N	E	Z	N	E	Z	N	E	Z					
8	Ilan	27	ip	20	41	53.6	+	41	+	33	-	52	552	828	1.8	2.0	3.0	9.4	II	
	Yushan		p	41	55.0													19.2	I	
	Hsinkong		p	41	58.2													13.9	I	
	Alishan		p	41	58.5													20.5	I	
	Taichung		ip	41	58.6		+	3.3	+	0.6	-	24.2						22.1	I	
	Taitung		p	42	02.8													21.1	O	
	Tawu		ep	42	08.0													32.8	O	
	Tainan		p	42	10.0													26.0	O	
	Henchung		ep	42	18.1													30.0	O	

Major Earthquakes which occurred in November, 1967,

No.	Station	Date	Phase	P. (G.M.T.)			Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks				
				h.	m.	s.	N	E	Z	N	E	Z	N	E	Z						
1	Hwalien	4	p	05	07	32.4					525	285	3.7	2.9	3.0	11.2	II	80km ENE of Hwalien			
	Ilan		ip	07	33.6		+	13	-	14	-	16						10.5	II	24.1N 122.4E	
	Anpu		p	07	36.3		+	2.4	+	3.2	-	3.2						07.5	O	H=45km(s)	
	Taipei		p	07	37.5					425	388		2.3	2.5				14.5	II		
	Yushan		p	07	42.9		+	25	+	22.5								17.2	I		
	Alishan		ip	07	43.8		+	8	+	20		200	168		2.3	2.5		18.0	I		
	Taichung		ip	07	44.0		+	4.3	+	1.1	-	4.4	264	208	167	2.9	1.0	2.1	21.4	I	
	Hsinkong		ip	07	45.5													16.0	I		
	Hsinchu		ep	07	48.0													17.3	I		
	Taitung		ep	07	50.4													19.7	O		
	Tainan		p	07	56.0													27.0	O		

No.	Station	Date	Phase	P. (G.M.T.)			Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks						
				h.	m.	s.	N	E	Z	N	E	Z	N	E	Z								
1	Kaoshiung	4	ep	05	07	59.2												26.2	O				
	Hengchun		p	08	00.4						119							12.5		28.1	O		
	Penghu		p	08	10.7															20.5	O		
	Tawu		ep	08	13.2															29.6	O		
2	Anpu	4	p	14	36	16.0													4.2	21.0	O	43 1/2°N 144°E	
	Taipei		ep	36	18.5														4.1	19.0	O	Hokkaido, Japan	
	Hwalien		eo	36	27.6																O		
	Alishan		ep	36	37.4																O		
	Tawu		ep	36	43.3																O		
	Ilan		ep	36	44.9																O		
	Taichung		"	36																	O		
3	Hwalien	17	p	13	58	50.4					250	300		3.0	4.1				8.5	O	14km ENE of Hwalien		
	Hsinkong		ep	58	51.0															19.8	O	24.2N 122.9E	
	Hsinchu		ep	58	57.2															24.4	O	H=60km(s)	
	Anpu		p	58	59.2		+	32	+	48	-	64								18.3	O		
	Taipei		p	59	00.4						171	238		10	10					16.8	I		
	Ilan		ip	59	01.3		-	34	+	45		204	326	148	1.3	1.2	1.3			14.5	I		
	Alishan		p	59	02.3															16.5	O		
	Taichung		ep	59	02.3															19.2	O		
	Yushan		p	59	04.5															9.4	O		
	Tawu		"	59	08.6															30.3	O		
	Hengchun		ep	59	19.3																O		
	Taitung		p	59	23.2																O		
	Tainan		ep	59	27.0																17.0	O	

No.	Station	Date	Phase	P. (G.M.T.)	Initial Motion			Maximum Amplitude			Period			P~S Intensity	Epicenter & Remarks	
					N	E	Z	N	E	Z	N	E	Z			
4	Kaoshiung	25	ep	h. m. s. 01 30 39.5	μ	μ	μ	μ	μ	μ	s	s	sm	s	5.3S 153.7E	
	Tawu		ep	31 23.0	—	—	—	—	—	—	—	—	—	—	New I.ela- nd region	
	Hsinkong		p	31 29.5	—	—	—	—	—	—	—	—	-6	19.5 O		
	Anpu		p	31 29.5	—	—	—	—	—	—	—	—	-6	29.5 O		
	Hwalien		p	31 29.6	—	—	—	600	565	770	29.5	27.5	29.5	6	21.9 O	
	Hengchung		ep	31 32.4	—	—	—	—	—	—	—	—	—	—	O	
	Tainan		ep	31 34.7	—	—	—	—	—	—	—	—	-6	15.0 O		
	Alishan		p	31 33.3	—	—	—	—	—	—	—	—	-6	31.0 O		
	Taichung		ep	31 35.6	—	—	—	—	—	—	—	—	-6	29.3 O		
	Taipei		ep	31 40.0	—	—	—	—	—	—	—	—	-6	18.0 O		
	Ilan		ep	31 40.7	—	—	—	—	—	—	—	—	-5	21.3 O		

Corrigenda

Page	Line	Mistake	Correct
4		Near taitung	Near Taitung
4		Taitnug	Taitung
4, 5, 6, 7, 8, 16,		Henchung	Henchun
8		dlstrict	district