

FLEET WEATHER CENTRAL GUAM, M.I.
PACIFIC MICROSEISMIC RESEARCH PROJECT



SEISMOLOGICAL BULLETIN

January 1952

Position:

(A) 13°27'45"N
144°43'29"E
h 605ft.

(B) 13°27'09"N
144°43'12"E
h 520ft.

(C) 13°27'35"N
144°42'50"E
h 440ft.

Three Sprengnether horizontal seismometers, Series H, installed as a microseismic tripartite station with positions of each instrument in a triangle designated as A, B, or C. Earthquake time data taken from "B" position unless otherwise noted. East-west component on all instruments. Period of galvanometer and seismometer 7.0 seconds. Magnification of "A" 5000, undetermined for B and C. Amplitude data based on "A". Time control accurate within one second.

DATE Jan.	NO.	PHASE	TIME GMT	AMP. mm.	PER. sec.	REMARKS
1	1	iP eS	03h00m00s 03h00m12s	2 140	(1) (1)	Primary sent in as 03h00m09s Near shock, estimated distance 110km.
1	2	eiP	15h19m02s	(4)	6.7	Does not have P wave characteristics Data from C&GS card #S1-52 Position: Bonin Island region Time at origin: 15h15m20s
2	3	iP	06h30m22s	(2)	(1)	Local disturbance. Felt.
3	4	iP	19h09m40s	(2)	(1)	Local disturbance.
3	5	iP	22h44m31s	(2)	(1)	Local disturbance.
4	6	iP	00h49m10s	(2)	(1)	Local disturbance.
5	7	iP	03h57m50s	(2)	(1)	Local disturbance.
8	8	i	23h11m47s	40	4.5	Teleseismic ?
11	9	iP eS	04h05m19s 04h08m53s	(4) (4)	1.0 5.0	Data from C&GS card #7-52 Position: Eastern New Guinea Arc distance: 2250km. Time at origin: 04 00 35

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Guam, M.I.

January 1952

DATE	NO.	PHASE	TIME GMT	AMP. mm.	PER. sec.	REMARKS
Jan. 11	10	e	04h31m49s	(2)	5.0	Teleseismic ?
11	11	eP	06h50m55s	(3)	(1)	Local disturbance
12	12*	iS	20h28m48s	(2)	5.8	Data from C&GS card #8-52 Position: Fox Islands, Aleutians Arc distance: 6100km. Time at origin: 20h11m38s
13	13	iP eS	04h08m30s 04h12m28s	(4) (4)	(2) (2)	Data from C&GS card #9-52 Position: Off coast of Formosa Arc distance: 2350km. Time at origin: 04h03m37s
13	14	iP	05h44m56s	//	(1)	Local shock. Felt.
13	15	eP	21h29m14s	(3)	(1)	Local disturbance
18	16	ieP	00h59m26s	//	//	Local disturbance
18	17	e	03h39m54s 03h40m11s	(2) 80	// 6.0	Duration four minutes
18	18	iP	17h39m14s	(3)	(1)	Local disturbance
21	19	eS	04h00m52s	(2)	4.5	Data from C&GS card #12-52 Position: Fox Islands, Aleutians Arc distance: 6100km. Time at origin: 03h43m04s

Note: P 05h23m11s Jan. 7 sent by dispatch to C&GS later confirmed as quarry blast.

- * These earthquakes not sent to C&GS by dispatch
- (1) Period less than one second
 - (2) Masked by microseisms
 - (3) Amplitude less than one millimeter
 - (4) Too large to measure (off recorder)
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DATE Feb.	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
3	20*	eP	03h01m30s	(1)	Very slight local shock
5	21*	iP	17h23m29s	(1)	Very slight local shock
10	22*	iP	11h26m49s	(1)	Very slight local shock
10	23*	eP	16h17m	(5)	Microseismic activity too large for accurate measurement. Data from C&GS card #57-52 Position: Kermadec Islands Arc Distance: about 6000km. Time at Origin: 16h08m30s
11	24	iP	07h07m44s	3.0	Data from C&GS card #19-52
		ePcP	07h09m53s	3.0	Position: Java Sea
		eScP	07h11m55s	4.5	Depth: about 700km.
		iS	07h12m55s	5.2	Arc Distance: 4300km.
		eiScS	07h16m25s	5.3	Time at Origin: 07h01m04s
11	25*	e	16h32m35s	3.5	Series of irregular waves Duration 10 minutes
12	26	eP	02h46m19s	(1)	Local disturbance
		eiS	02h46m26s	4.0	
12	27	eS	20h23m21s	(5)	Data from C&GS card #58-52
		e	20h24m43s	7.0	Position: Bismarck Sea Depth: about 100km. Arc Distance: 2100km. Time at Origin: 20h15m30s Possible confusion with New Guinea quake at 20h16m30s

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DATE Feb.	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
14	28	iP ePcP	03h44m04s 03h47m20s	3.0 8.5	Data from C&GS card #21-52 Position: Flores Sea Arc Distance: 3150km. Time at Origin: 03h38m06s
14	29	eP ei ei	18h32m17s 18h33m44s 18h34m19s	(1) 5.0 6.0	
17	30	iP iS	12h09m51s 12h10m01s	(1) (5)	Felt locally (very sharp) Dishes rattled, some broken; pictures, mirrors moved, etc.
18	31	eP ei ei ei	07h24m19s 07h24m42s 07h25m11s 07h26m32s	(1) (1) 2.5 6.2	Duration 20 minutes
19	32	iP eiS	04h21m54s 04h22m44s	(1) 8.0	Duration 8 minutes
19	33	iP eiS	04h37m08s 04h37m59s	(1) 7.3	Duration 12 minutes
20	34	iP	01h15m10s	(1)	Slight local shock
20	35	eP eS	01h54m58s 01h55m20s	(1) 3.5	Data from C&GS card #S8-52 Position: Near Guam, M.I. Arc Distance: about 200km. Time at Origin: 01h54m40s
21	36*	iP e	20h07m30s 20h09m17s	(1) (5)	
24	37	iP iS	22h56m55s 22h57m44s	(1) 4.8	Data from C&GS card #S9-52 Position: Marianas Islands Depth: about 200km. Time at Origin: 22h55m52s
25	38	iP e eL	01h26m13s 01h29m26s 01h41m04s	6.0 7.4 8.0	Data from C&GS card #24-52 Position: Tonga Islands Arc Distance: 5700km. Time at Origin: 01h17m00s
26	39*	iP eS	11h50m20s 11h51m27s	1.6 4.3	Local

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26	40	eP eS	19h34m23s 19h34m33s	(1)	Local

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DATE	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
Feb. 29	41*	iP eS	22h52m51s 22h53m24s	(1) 4.0	Arc Distance: about 340km.
Mar. 1	42*	eP	16h28m27s	(1)	Local shock
1	43	iP eS	20h56m06s 20h56m18s	(1) (1)	Local shock Felt on Guam Arc Distance: about 110km.
3	44	iP	03h12m45s	(1)	Very light local shock
3	45*	eS eL	07h28m28s 07h40m30s	5.3 5.6	Poor beginning Data from C&GS card #28-52 Position: Tonga Islands Arc Distance: 5900km. Time at Origin: 07h12m39s
4	46	iP e	01h29m07s 01h29m32s	5.8 5.8	Other phases too large to measure Data from C&GS card #30-52 Position: Near coast of Hokkaido, Japan Arc Distance: 3250km. Time at Origin: 01h22m41s Large amplitude waves recorded until 04/0455. Earlier phases and quakes masked by this activity.
4	47*	eiP eiPcP eiS	16h37m10s 16h39m54s 16h42m16s	4.0 5.7 6.2	Data from C&GS card #S10-52 Position: Hokkaido aftershock Arc Distance: 3200km. Time at origin: 16h31m00s

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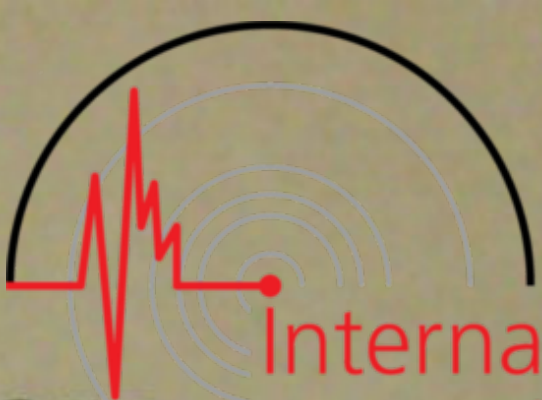
March 1952

DATE Mar.	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
4	48*	eP ePcP eS	19h36m48s 19h39m16s 19h42m00s	2.0 9.9 10.0	Data from C&GS card #31-52 Position: Solomon Islands Arc Distance: 3200km. Time at Origin: 19h30m28s Large amplitude waves recorded until 04/2215. Phases of earlier quakes masked by this activity.
5	49*	eP ePcP eS	03h55m36s 03h58m00s 04h00m23s	3.5 4.8 8.1	Data from C&GS card #32-52 Position: Hokkaido aftershock Arc Distance: 3200km. Time at Origin: 03h49m03s
5	50*	ePcP eS	05h45m11s 05h48m10s	7.0 5.0	Data from C&GS card #S11-52 Position: Hokkaido aftershock Arc Distance: 3100km. Time at Origin: 05h37m33s
5	51*	e	09h24m28s	5.8	?
5	52*	eP eiPcP eS	09h28m42s 09h30m34s 09h33m19s	4.5 7.0 10.0	Data doubtful due to interference with earlier quake Data from C&GS card #S10-52 Position: Hokkaido aftershock Arc Distance: 3200km. Time at Origin: 09h22m15s
5	53*	iP ePcP eiS	16h00m52s 16h03m03s 16h06m03s	4.3 7.4 8.0	Data from C&GS card #S10-52 Position: Hokkaido aftershock Arc Distance: 3200km. Time at Origin: 15h54m18s
6	54*	iP ei e	08h53m31s 08h54m24s 08h55m52s	1.8 4.8 6.6	Under 1000km.
7	55	iP eiS	06h42m58s 06h43m16s	(1) (1)	Local shock Arc Distance: about 180km.
7	56	iP eS	07h37m55s 07h42m18s	4.4 9.8	Data from C&GS card #34-52 Position: Honshu, Japan Arc Distance: 2550km. Time at Origin: 07h32m38s
7	57*		15h27m		Record off at time of phase
7	58*	iP	22h40m14s	(1)	Very light local shock

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DATE Mar.	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
8	59	eiP i eS	07h28m11s 07h28m35s 07h29m25s	(1) 4.4 8.2	Duration 40 minutes Data from C&GS card #S11-52 Position: Marianas Islands Arc Distance: 300mi. north of Guam? Time at Origin: 07h27m03s
8	60*	iP	07h51m09s	(1)	Very light local shock
8	61*	eP	14h42m02s	(1)	Very light local shock
8	62*	e	15h11m02s	6.0	Beginning of a series of large amplitude waves
8	63*	eP iS	22h31m05s 22h31m10s	(1) (1)	Light local shock
8	64*	eP iS	15h00m48s 15h00m56s	(1) (1)	Light local shock
9	65	eiP eS	17h09m53s 17h14m34s	5.8 8.0	Data from C&GS card #36-52 Position: Hokkaido, Japan Arc Distance: 3150km. Time at Origin: 17h03m43s
11	66	iP eiS	04h13m13s 04h14m22s	1.5 5.0	Arc Distance: about 880km.
11	67	eP eS	05h05m32s 05h06m42s	(1) 6.0	Arc Distance: about 880km.
11	68*	eP iS	13h14m12s 13h14m25s	(1) (1)	Light local shock Arc Distance: about 120km.
13	69*	iP iS	11h30m05s 11h30m20s	(1) (1)	Felt by few locally Arc Distance: about 140km.
13	70	iP eiS ei	14h02m14s 14h05m57s 14h07m18s	3.1 6.3 7.0	Data from C&GS card #37-52 Position: East China Sea Arc Distance: 2350km. Time at Origin: 13h57m26s
13	71	iP eS	18h50m32s 18h50m45s	(1) (1)	Felt on Guam, many awakened, some dishes broken. Arc Distance: about 130km.
14	72*	eP eS	06h26m34s 06h26m47s	(1) (1)	Local shock Arc Distance: about 130km.
14	73*	eP iS	22h00m19s 22h00m21s	(1) (1)	Very light local shock

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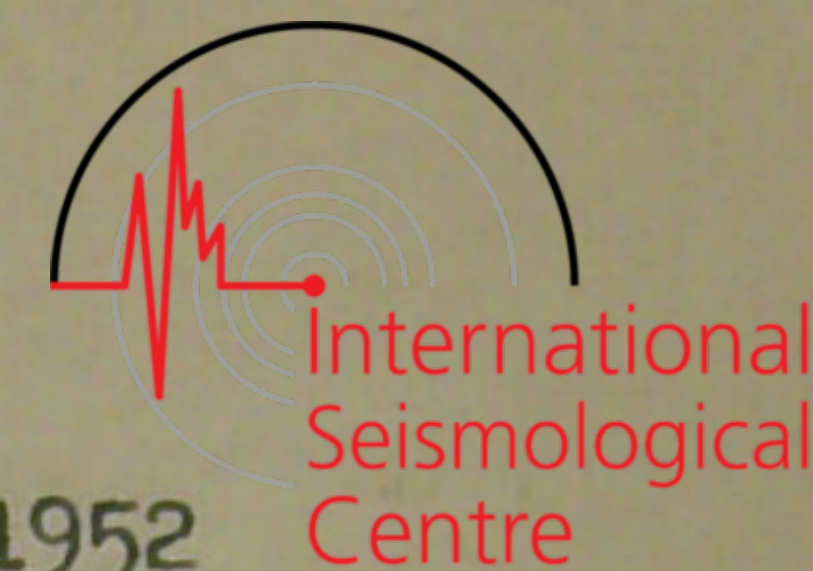


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DATE Mar.	NO.	PHASE	TIME GMT	PLR. sec.	REMARKS
15	74*	eP	18h50m11s	(1)	Very light local shock
			18h50m13s	(1)	
18	75*	iS	23h51m11s	(1)	Very light local shock
19	76	iP	11h01m18s		Galvanometer jammed by primary phase Data from C&GS card #39-52 Position: Off east coast of Mindanao, P.I. Arc Distance: 1900km. Time at Origin: 10h57m09s
20	77*	eP	06h26m54s	(1)	Local shock
		iS	06h27m09s	(1)	
20	78*	e	21h00m50s	3.5	Teleseismic ?
		ei	21h05m24s	7.8	
20	79	e _s PP	23h50m41s	5.8	Data from C&GS card #S13-52 Position: Santa Cruz Islands Depth: about 60km. Arc Distance: 5700km. Time at Origin: 23h39m08s
		eScS	23h52m50s	4.0	
		ePcS	23h53m26s	5.4	
		eiS	23h55m03s	17.0	
21	80	eiP	00h21m08s	(1)	Light local shock
		iS	00h21m21s	(1)	
21	81*	eiS	15h23m52s	5.3	Data same as #80 Time at Origin: 15h07m44s
21	82	e _s PP	16h22m14s	5.1	Data same as #80 Time at Origin: 16h10m38s
		eScS	16h24m36s	6.2	
		eiS	16h26m37s	17.0	
22	83	iS	05h46m05s	(1)	Felt locally
22	84*	e	14h33m25s	8.0	Teleseismic ?
22	85*	eS	14h54m00s	(1)	Very light local shock
23	86*	eS	13h29m20s	6.0	Data same as #80 Time at Origin: 13h13m15s Possible confusion with Santa Cruz quake at 13h12m10s
23	87*	eS	15h29m48s	6.5	Data from C&GS card #S13-52 Position: Samar Island, P.I. Arc Distance: about 2200km. Time at Origin: 15h21m50s

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25	88*	iP-	09h34m26s	2.0	Data from C&GS card #42-52 Position: New Britain Islands Arc Distance: 2200km. Time at Origin: 09h29m42s
26	89*	iP	22h40m51s	(1)	Local shock
		iS	22h41m02s	(1)	Arc Distance: about 120km.
30	90*	e	19h07m23s	8.8	Long period, large amplitude wave

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DATE	NO.	PHASE	TIME GMT	PER.	REMARKS
Apr.				sec.	
1	91*	eL	14h32m	5.6	Data from C&GS card #43-52
		eL	14h37m	6.8	Position: Samoa Islands Region
					Arc Distance: 5400km.
					Time at Origin: 14h08m47s
5	92*	iP	07h18m27s	(1)	Local shock
		iS	07h18m36s	(1)	Arc Distance: About 80km.
7	93*	iS	06h14m28s	(1)	Very light local shock
7	94*	iS	16h00m20s	(1)	Very light local shock
8	95*	iS	05h43m17s	(1)	Very light local shock
8	96	eiP	10h05m14s	5.0	Data from C&GS card #S15-52
		ei	10h06m34s	6.9	Position: Sulu Sea
		eiS	10h09m20s	7.1	Arc Distance: 2600km.
					Time at Origin: 10h00m06s
8	97*	eP	13h30m21s	(1)	Local shock. Felt by few.
		iS	13h30m35s	(1)	Arc Distance: About 120km.
9	98*	iS	02h11m10s	(1)	Very slight local shock
9	99*	eP	12h49m17s	(1)	Local shock. Felt by few.
		iS	12h49m22s	(1)	Arc Distance: About 30km.
10	100	iP	06h02m16s	3.0	Data from C&GS card #S15-52
		iS	06h06m07s	6.0	Position: Ryukyu Islands
		i	06h08m15s	8.5	Arc Distance: 2450km.
					Time at Origin: 05h57m20s
11	101	iP	18h29m22s	(1)	Local shock. Felt.
		iS	18h29m34s	(1)	Arc Distance: About 100km.

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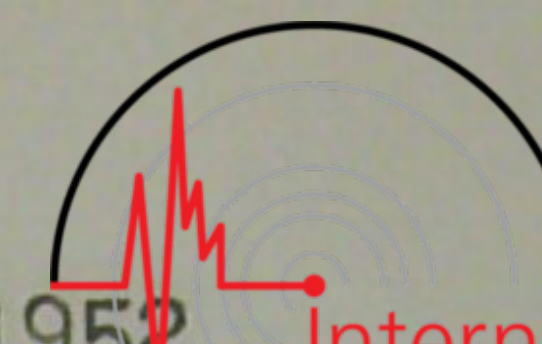
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12	102	iP eiS	03h57m22s 03h57m28s	(1) (1)	Local shock Arc Distance: About 30km.
12	103	iP iS	04h13m41s 04h14m04s	(1) (1)	Near shock Arc Distance: About 250km.
12	104*	eP iS	14h52m21s 14h52m26s	(1) (1)	Local shock
13	105*	eiS	05h14m41s	(1)	Very light local shock
14	106	iP i eiPP eS	23h54m29s 23h54m38s 23h54m56s 23h58m20s	1.5 2.4 4.0 (5)	Data from C&GS card #S16-52 Position: Molucca Passage Arc Distance: 2350km. Time at Origin: 23h49m55s
15	107	eiS	06h11m36s	6.1	Data from C&GS card #48-52 Position: Hokkaido, Japan Arc Distance: 3300km. Time at Origin: 05h59m53s
15	108	iP eiS	18h09m25s 18h10m59s	(1) (1)	Near shock Arc Distance: About 340km.
16	109	iP iS	11h15m07s 11h15m18s	(1) (1)	Local shock. Felt by few. Arc Distance: About 90km.
17	110	i eiS	01h04m30s 01h05m14s	2.5 4.6	Duration 6 minutes
17	111	iP eiS	03h56m38s 03h57m21s	2.6 (5)	Large amplitude S waves Duration 45 minutes Arc Distance: 460km.
17	112	eP eS	12h47m05s 12h47m47s	(1) 1.5	Near. shock Arc Distance; About 460km.
18	113*	eP eiS	13h12m46s 13h13m06s	(1) 3.5	Near shock Arc Distance: About 200km.
18	114*	iP eS	16h00m15s 16h00m24s	1.3 (5)	Data from C&GS card #S 17-52 Position: Marianas Islands Arc Distance: About 450km. Time at Origin: 15h59m10s Duration: One hour
18	115*	e e	21h10m07s 21h18m41s	5.4 5.3	Irregular, large amplitude waves

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19	116*	iP	11h16m04s	(5)	Data from C&GS card #S16-52 Position: Bismarck Sea Arc Distance: 2100km. Time at Origin: 11h11m45s
20	117*	iP	16h58m54s	1.8	Near shock?
		e	16h59m04s	(5)	
		eS	16h59m47s	(5)	
20	118*	eS	17h15m05s	(1)	Local
21	119*	eP	20h41m51s	(1)	Local shock. Felt.
		iS	20h41m59s	(1)	Arc Distance: About 80km.
22	120*	eP	13h49m52s	(1)	Near shock?
		iS	13h50m14s	(1)	
23	121*	eP	15h58m08s	(1)	Local shock
		iS	15h58m18s	(1)	Arc Distance: About 80km.
24	122*	i	13h02m58s	(1)	Slight local shock
24	123*	ei	14h50m50s	(1)	Slight local shock
24	124*	e	16h11m25s	(1)	Slight local shock
24	125*	i	20h38m07s	(1)	Slight local shock
26	126	eP	11h08m22s	(1)	Local shock. Felt.
		iS	11h08m34s	(1)	Arc Distance: About 90km.
26	127*	iS	12h25m30s	(1)	Local shock. Felt by few.
26	128	eP	20h58m07s	5.1	Data from C&GS card #S18-52 Position: Marianas Islands Arc Distance: About 780km north of Guam Time at Origin: 20h56m23s Record off during secondary phase
27	129*	iS	12h37m02s	(1)	Slight local shock
27	130	iP	12h39m10s	(1)	Near shock. Felt.
		iS	12h39m30s	(1)	Arc Distance: About 200km.
27	131	iP	14h54m25s	(1)	Felt on Guam
		eiS	14h55m44s	(1)	Data from C&GS card #S18-52 Position: Marianas Islands Arc Distance: About 200km. Time at Origin: 14h53m52s

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DATE Apr.	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
28	132*	iS	00h47m27s	(1)	Light local shock
28	133	eS eiL	11h05m31s 11h06m23s	6.5 6.9	Data from C&GS card #53-52 Position: Hokkaido, Japan Arc Distance: 3150km. Time at Origin: 10h54m18s
28	134*	e	13h32m54s	(1)	Slight local disturbance
29	135	eP eiS	02h40m18s 02h44m14s	1.3 5.5	Data from C&GS card #54-52 Position: Off north coast of Formosa Arc Distance: 2650 km. Time at Origin: 02h35m00s
30	136	iP iS	00h48m53s 00h49m17s	(1) (1)	Near shock Arc Distance: About 250km.

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- (1) Period less than one second
 - (2) Masked by microseisms
 - (3) Amplitude less than one millimeter
 - (4) Too large to measure (off recorder)
 - (5) Movement too fast to record

Address all literature for Guam, M.I. to:

Microseismic Research Project
Box 12 Com Nav Marianas
c/o FPO San Francisco, California, U.S.A.

SEISMOLOGICAL BULLETIN

May 1952



Position:

(A) 13°27'45"N
144°43'29"E
h 605ft.

(B) 13°27'09"N
144°43'12"E
h 520ft.

(C) 13°27'35"N
144°42'50"E
h 440ft.

Three Sprengnether horizontal seismometers, Series H, installed as a microseismic tripartite station with positions of each instrument in a triangle designated as A, B or C. Earthquake time data taken from A and B positions. East-west component on all instruments. Period of galvanometer and seismometer 7.0 seconds. Time control accurate within one second.

DATE May	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
	1	137*	i	12h11m37s (1)	Local disturbance
	1	138*	c	14h32m49s 1.2	Local disturbance
	2	139*	iS	09h42m53s (1)	Local disturbance
	4	140*	iP	14h24m34s 5.3	C&GS card #56-52
		ciPP	14h26m26s 4.4		Position: Tonga Islands
		ciS	14h31m48s 6.0		Arc Distance: 5800km.
					Time at Origin: 14h15m16s
	5	141*	cP	12h34m01s (1)	Local disturbance
		iS	12h34m08s (1)		Arc Distance: About 70km.
	5	142*	iP	18h16m05s (1)	Local shock
		iS	18h16m14s (1)		Arc Distance: About 70km.
	6	143*	iP	17h01m29s (1)	Local shock
		iS	17h01m37s (1)		Arc Distance: About 50km.
	7	144*	cP	09h43m27s (1)	Near shock
		iS	09h43m43s (1)		Arc Distance: About 150km.
	7	145*	cP	11h46m59s (1)	Local shock
		iS	11h47m06s (1)		Arc Distance: About 40km.
	7	146	ciP	15h35m13s 4.0	
		ci	15h43m28s 7.2		
		ci	15h44m37s 6.8		
		o	15h49m15s 5.0		
	7	147*	ci	19h14m49s 9.2	
	7	148*	iS	21h42m41s (1)	Local disturbance

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JUL 11 1952

DATE May	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
10	149*	cP iS	09h15m06s 09h15m19s	(1) (1)	Near shock Arc Distance: About 110km.
10	150*	eP cS?	23h46m56s 23h47m52s	1.5 5.0	Near shock Arc Distance: About 600km.
11	151*	cP iS	13h33m02s 13h33m22s	(1) (1)	Local shock Arc Distance: About 80km.
15	152*	ciP ciS	10h30m54s 10h35m07s	5.5 6.1	C&GS card #S20-52 Position: Off coast of northern Luzon, P.I. Arc Distance: About 2800km. Time at Origin: 10h25m25s
16	153*	c c	10h14m22s 10h18m57s	5.1 6.1	Duration 23 minutes
16	154*	i	21h08m31s	5.1	Duration 13 minutes
17	155*	cP iS	08h09m12s 08h09m24s	(1) (1)	Near shock Arc Distance: About 100km.
17	156	cP cS	09h55m17s 09h58m49s	4.8 6.0	C&GS card #65-52 Position: Near east coast of Hokkaido, Japan Arc Distance: 3150km. Time at Origin: 09h48m16s
18	157*	iP iS	08h06m37s 08h07m16s	(1) (1)	Near shock Arc Distance: About 400km.
19	158*	cP cS	18h39m00s 18h43m41s	6.0 7.3	C&GS card #66-52 Position: Near east coast of Hokkaido, Japan Arc Distance: 3200km. Time at Origin: 18h32m24s
22	159*	iP iS	15h46m09s 15h46m16s	(1) (1)	Local shock Arc Distance: About 40km.
22	160*	iP iS	21h03m37s 21h03m50s	(1) (1)	Near shock. Felt on Guam Arc Distance: About 110km.
27	161*	iS	05h39m24s	(1)	Local shock
28	162	iP cS	07h33m46s 07h33m53s	(1) (5)	Local shock. Felt on Guam Arc Distance: About 40km.

SEISMOLOGICAL BULLETIN

Guam, M.I.

May 1952

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JUL 28 1952

FLEET WEATHER CENTRAL GUAM, M.I.
PACIFIC MICROSEISMIC RESEARCH PROJECT

SEISMOLOGICAL BULLETIN

June 1952



Position:

(A) 13°27'45''N
144°43'29''E
h 605ft.(B) 13°27'09''N
144°43'12''E
h 520ft.(C) 13°27'35''N
144°42'50''E
h 440ft.

Three Sprengnether horizontal seismometers. Series H, installed as a microseismic tripartite station with positions of each instrument in a triangle designated as A, B or C. Earthquake time data taken from A position. East-west component on all instruments. Period of galvanometer and seismometer 6.9 seconds. Time control accurate within one second.

DATE JUNE	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
2	163	iP e? ei? ei?	15h37m38s 15h38m27s 15h41m48s 15h43m48s	3.8 4.1 6.7 8.5	Possible near shock
2	164	eiP ei? i? i?	18h11m16s 18h11m50s 18h14m50s 18h16m21s	5.5 7.5 6.1 6.5	
3	165*	iS	18h35m45s	(1)	Local disturbance
3	166	iP e? eS	18h54m28s 18h56m00s 18h58m26s	3.4 6.8 6.1	C&GS card #S23-52 Position: Solomon Islands Arc Distance: 2700km. Time at Origin: 18h49m10s
5	167	eP eiS	09h17m06s 09h18m02s	5.2 6.4	Near shock Arc Distance: About 420km.
6	168*	iP ei?	09h17m36s 09h19m36s	4.1 (5)	(2) and (5) Trace very faint Large Amplitude.
10	169	iP iS	10h06m54s 10h10m19s	(6) (6)	C&GS card #73-52 Position: Fiji Islands region Arc Distance: 5050km. Time at Origin: 09h58m27s
11	170	eP eS	00h51m13s 00h52m11s Interpret ation-?	(2) (2)	C&GS card #75-52 Position: San Juan Prov, Argentina Arc Distance: 16,300km. Time at Origin: 00h31m32s

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Guam, Marianas Islands

June, 1952



DATE JUNE	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
11	171*	eS _{or} L	20h31m09s	(2)	Possible Aftershock #170
11	172*	eP	05h13m42s	(1)	Local Disturbance
		iS	05h13m55s	(1)	
12	173*	eP	12h27m11s	(1)	Local Disturbance
		eS	12h27m15s	(1)	
12	174*	iP	22h17m17s	1.5	Near Shock Arc Distance: 100km.
		iS	22h17m29s	5.5	
14	175*	eS?	08h05m47s	(2)	C&GS card #S25-52 Position: Off East Coast Honshu Island, Japan. Arc Distance: Around 2900km. Time at Origin 07h55m51s
14	176*	e?	13h29m08s	(1)	C&GS card #S25-52 Position: Volcano Islands Arc Distance: Around 2230km. Time at Origin: 13h24m35s
15	177*	iP	02h52m45s	(1)	Local Disturbance
		iS	02h52m50s	(1)	
15	178*	eP	09h57m55s	(1)	Local Shock Arc Distance: 90km.
		eS	09h58m07s	(1)	
15	179*	ePPPS	16h59m14s	(2)	C&GS card #S25-52 Position: Off Eastern Honshu, Japan Arc Distance: Around 2850km. Time at Origin: 16h20m20s
16	180*	i?	03h53m16s	6.5	C&GS card #77-52 Position: Fiji Islands Arc Distance: 5600km. Depth: About 500km. Time at Origin: 03h38m20s
16	181*	i?	16h33m09s	(2)	Several Minutes Duration.
17	182	iP	20h22m56s	(1)	Near shock; Felt Arc Distance: 100km.
		iS	20h23m09s	(2)	
18	183*	iP	10h08m44s	(1)	Near shock Arc Distance: About 160km.
		iS	10h09m00s	1.5	

Guam, Marianas Islands

June, 1952



DATE JUNE	NO.	PHASE	TIME GMT	PER. sec.	REMARKS
19	184*	iP	12h20m58s	(6)	C&GS card #79-52 Position: Southern Yunnan Province China Arc Distance: 4750km. Time at Origin: 12h12m56s
20	185	iP iS e1L	06h02m18s 06h06m21s 06h08m02s Error $\pm$ 10 Minutes	4.0 6.0 6.7	C&GS card #80-52 Position: Near North coast of Formosa; Felt: Taipei Arc Distance: 2650km. Time at Origin: 05h46m20s
20	186*	iP iS	15h01m21s 15h01m40s	(1) (1)	Near shock Arc Distance: About 200km.
20	187*	iP	22h00m09s	(5)	Possible Near Shock; Felt
21	188*	eP iS	03h40m51s 03h41m04s	(1) (1)	Local Disturbance
21	189*	eL eL	06h42m42s 06h44m34s	5.5 16.0	Duration: About 1½ Hours Foreshock of 21h41m53s Kurile Islands tremor. Arc Distance: 3650km.
22	190*	e?	10h23m45s	16.0	Possible Kurile Islands Foreshock Possible C&GS card #S26-52 Solomon Islands tremor, 10h19m14s
22	191*	iP e1PPP	21h49m00s 21h49m58s	(6) (6)	C&GS card #81-52 Position: Kurile Islands Arc Distance: 3650km. Time at Origin: 21h41m53s
23	192	e1P 1 e1S 1	12h08m30s 12h08m40s 12h12m43s 12h13m19s	1.5 4.0 6.4 7.3	C&GS card #84-52 Position: Near east coast of Formosa Arc Distance: 2600km. Time at Origin: 12h03m09s
24	193*	c e 1	03h25m05s 03h25m21s 03h31m13s	(2) (2) (2)	C&GS card #S26-52 Position: New Hebrides Islands Arc Distance: Around 4000km. Time at Origin: 03h15m49s
24	194*	eP eS e	06h58m40s 06h59m09s 06h59m20s	3.6 4.2 6.5	Near shock Arc Distance: 240km. Time at Origin: 06h58m04s

SEISMOLOGICAL BULLETIN

Guam, Marianas Islands

June 1952

DATE JUNE	No.	PHASE	TIME GMT	PER. sec.	REMARKS
25	195	i	23h27m50s	(2)	Series of irregular waves of several minutes duration.
		i	23h34m13s	(2)	
27	196*	iP	14h09m35s	(1)	Near shock Arc Distance: About 150km.
		eS	14h09m49s	(1)	
27	197*	iP	23h52m58s	(1)	Near shock Arc Distance: About 100km.
		iS	23h53m08s	(1)	
28	198	iP	19h14m46s	(1)	Near shock Arc Distance: About 700km.
		iS	19h15m48s	(1)	

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(6) *QUAKE OF LONG DURATION, TRACE CONFUSED*

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