Volcanological Research Department,

Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, B. W. I.

JAN 1958

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Seismological Bulletin.

STATIONS REPORTING.

TRINIDAD	(TRIN)*	LAT.	10° 44.7' N	Long.	61° 33.8' W	Elev.		227m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7' N	Long.	61° 44.1' W	Elev.	c	30m.a.s.l.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	Long.	61° 15.5' W	Elev.	c	10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	Long.	61° 00.5' W	Elev.	c	30m.a.s.l.
BARBADOS	(BARB)	LAT.	13° 07.4' N	Long.	59° 35.6' W.	Elev.	c	70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7' N	Long.	61° 23.5' W.	Elev.	c	40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6' N	Long.	61° 50.1' W.	Elev.	c	27m.a.s.l.

EQUIPMENT.

All stations are equipped with Willmore Vertical seismometers and recorders, with the following characteristics.

Seismometer period.....1.0 secs.

Galvanometer period.....0.25 secs.

Velocity Sensitivity (maximum) 1450cms/cm/sec.

Magnification (maximum).....30,000.

The sensitivities at the stations are varied to suit local conditions and the maximum values given above should be multiplied by the following factors: Trinidad 1/10th; Grenada, St. Vincent, St. Lucia, Barbados, Dominica, Antigua, 1/3rd

The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

*On January 1st 1955, the Trinidad station was moved from -

Lat. 10° 40' 11" N Long. 61° 31' 12" W. Elev. c 34m.a.s.l. to -

Lat. 10° 44.7' N Long. 61° 33.8' W Elev. 227m.a.s.l.

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1958						
JAN 1	TRIN	iP	01.29.26	c		Trinidad Region
		iS	01.29.31			
1	ST. VIN	eP	12.42.14			
		iS	12.42.42			
	BARB	e	12.42.51			
1	TRIN	iP	14.24.43	c		Trinidad Region
		iS	14.24.53			
	ST. VIN	eP	14.25.03			
2	ST. VIN	eP'	00.41.06		146.1°	USCGS Gives H: 00.21.22 E: 5°S 152°E
	TRIN	iP'	00.41.10		146.2°	Small
2	TRIN	iP	04.26.28	d	1.85°	H: 04.26.01 E: 11.0°N 63.4°W
		iS	04.26.44			
	ST. VIN	eP	04.26.44		3.07°	
		iS	04.27.16			
	BARB	eP	04.27.05		4.35°	
2	TRIN	iP	09.57.08	d		Trinidad Region
		iS	09.57.19			
	ST. VIN	eP	09.57.31			
		i	09.58.03			
2	TRIN	iP	19.34.31	c		Trinidad Region
		iS	19.34.43			
	ST. VIN	eP	19.35.04			
		iS	19.35.39			
2	TRIN	iP	22.35.51	c	0.97°	Felt: Tobago Intensity VI H: 22.35.38 E: 11.2°N 60.7°W
	ST. VIN	iP	22.36.06	c	2.06°	
		i	22.36.08			
		iS	22.36.28			
	BARB	eP	22.36.12		2.22°	
		i	22.36.17			
		iS	22.36.32			
		i	22.38.12			
	ANT	iP	22.37.05	d	6.06°	
2	TRIN	iP	22.41.59			Trinidad Region
		iS	22.42.12			
2	TRIN	eP	22.42.56			
	ST. VIN	eP	22.43.13			
2	TRIN	eP	22.53.08			
	ST. VIN	eP	22.53.26			
2	TRIN	iP	22.59.11	c	0.95°	Felt: Tobago Intensity II H: 22.58.58 E: 11.1°N 60.7°W
		iP	22.59.12			
	ST. VIN	eP	22.59.27		2.13°	
		i	22.59.29			
	BARB	eP	22.59.33		2.28°	
		i	22.59.38			
		m(T)	23.01.41			
	ANT	iP	23.00.24		6.12°	
		i	23.01.33			
2	TRIN	eP	23.01.45			
2	TRIN	iP	23.04.40			Trinidad Region
		eS	23.04.52			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 2	TRIN	iP	23.14.38		0.95°	Felt: Tobago Intensity II
		iS	23.14.54			H: 23.14.25
						E: 11.1° 60.7°W
	ST. VIN	eP	23.14.54		2.13°	
		i	23.14.56			
		i	23.15.24			
	BARB	eP	23.15.00		2.28°	
		m(T)	23.17.01			
	ANT	eP	23.15.52		6.12°	
2	TRIN	iP	23.44.29			
		iS	23.44.44			
	ST. VIN	eP	23.44.48			
3	TRIN	eP	00.28.34			Trinidad Region
		iS	00.28.46			
3	TRIN	iP	00.31.16			
		iS	00.31.31			
3	TRIN	iP	00.33.22			
		iS	00.33.36			
	ST. VIN	eP	00.33.38			
			00.34.07			
3	TRIN	eP	01.00.(16)			
3	TRIN	iP	01.16.50		0.68°	Felt: Tobago Intensity II
		iS	01.17.05			H: 01.16.37
						E: 11.2°N 61.1°W
						Depth: About 60 km
	ST. VIN	eP	01.17.06		1.98°	
		i	01.17.08			
		iS	01.17.36			
	BARB	eP	01.17.15		2.40°	
		i	01.17.20			
		m(T)	01.19.12			
	ANT	eP	01.18.(08)		5.99°	
3	TRIN	eP	01.23.16			
3	TRIN	iP	01.54.27		0.68°	Felt: Tobago Intensity II
		iS	01.54.43			H: 01.54.14
						E: 11.1°N 61.0°W
						Depth: About 60 km
	ST. VIN	eP	01.54.44		2.10°	
		i	01.54.46			
		iS	01.55.15			
	BARB	eP	01.54.53		2.45°	
		i	01.54.58			
		m(T)	01.56.49			
	ANT	eP	01.55.42		6.10°	
3	TRIN	eP	02.20.26		0.49°	H: 02.20.15
		iS	02.20.42			E: 11.1°N 61.2°W
						Depth: About 60 km
	ST. VIN	eP	02.20.44		2.05°	
		eS	02.21.15			
	BARB	eP	02.20.55		2.58°	
		m(T)	02.22.47			
3	TRIN	iP	03.22.07			
		iS	03.22.25			
	ST. VIN	eP	03.22.25			
		eS	03.22.56			
3	TRIN	eP	09.57.25			
		iS	09.57.39			
	ST. VIN	eP	09.57.45			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 3	BARB	iP	13.55.09	d		
		i(S)	13.55.12			
3	ST. VIN	eP	20.19.52			
		iS	20.20.11			
4	BARB	eP	05.03.20			
		eS	05.03.39			
	ST. VIN	eP	05.03.38			
		eS	05.04.16			
	TRIN	eP	05.03.(57)			
		eS	05.04.47			
4	TRIN	iP	15.24.59			
	ST. VIN	eP	15.25.14			
		iS	15.25.45			
	BARB	e	15.27.12			
4	BARB	iP	20.15.30			
		i(S)	20.15.33			
4	ST. VIN	iP.	21.15.14			
	BARB	eP	21.15.23			
		e	21.17.13			
4	TRIN	iP	21.25.10	c	1.70°	H: 21.24.57 E: 11.1°N 60.8°W
	ST. VIN	eP	21.25.26		2.10°	
		iS	21.25.58			
	BARB	eP	21.25.55		2.32°	
		i	21.25.41			
		i	21.27.25			
	ANT	iP	21.26.25		6.09°	
5	TRIN	iP	09.03.36	d		
		iS	09.03.51			
5	ANT	iP	11.18.15	d		
6	ANT	iP	02.34.25	d		
6	TRIN	eP	03.12.59			
		iS	03.13.15			
6	TRIN	iP	07.23.43	c		Trinidad Region
		iS	07.23.56			
6	TRIN	eP	14.27.10			
6	ST. VIN	iP	17.03.30	d	1.19°	H: 17.03.08 E: 14.4°N 61.2°W Depth: About 100 km
		iS	17.03.50			
	BARB	eP	17.03.43		2.02°	
		e	17.04.02			
	TRIN	eP	17.04.00		3.63°	
		iS	17.04.39			
7	TRIN	eP	07.05.10			
	ST. VIN	eP	07.05.30			
		eS	07.05.56			
7	ANT	iP	19.34.33			
		iS	19.34.45			
8	TRIN	eP	13.43.36			
8	TRIN	iP	18.29.06			
		iS	18.29.20			
9	ANT	iP'	11.33.32		149.6°	USCGS Gives H: 11.13.56 E: 5½°S 147°E Depth: About 150 km
	TRIN	eP'	11.33.37		151.2°	Very Small
9	TRIN	eP	16.32.(09)			
		iS	16.32.26			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1958						
JAN 9	TRIN	iP	17.34.34			Trinidad Region
		iS	17.34.47			
10	TRIN	iP	00.31.11	c.		
10	TRIN	iP	00.55.10			
		iS	00.55.27			
10	TRIN	iP	02.17.30	c		Trinidad Region
		iS	02.17.36			
10	TRIN	eP	03.16.34			
		iS	03.16.57			
10	TRIN	iP	17.49.36	d		
		i	17.49.52			
		i	17.49.58			
10	TRIN	iP	18.56.57	c		
		iS	18.57.11			
11	TRIN	eP	03.00.13			
		iS	03.00.30			
	ST. VIN	eP	03.00.32			
		iS	03.01.00			
11	TRIN	eP	03.03.54			Trinidad Region
		iS	03.04.07			
11	TRIN	eP	04.20.51			Trinidad Region
		iS	04.21.03			
12	ST. VIN	eP	00.50.38			
		eS	00.51.03			
12	BARB	eP	15.00.40		25.4°	USCGS Gives H: 14.55.09 E: 31½°N 41°W
	ST. VIN	eP	15.00.42		26.2°	
12	BARB	iP	15.37.35	c		
		i(S)	15.37.38			
13	ST. VIN	iP	20.34.07	c	144.2°	USCGS Gives H: 20.14.27 E: 11½°N 92½°E
15	TRIN	iP	02.33.53		0.63°	H: 02.33.41 E: 11.4°N 61.7°W Depth: About 60 km
	ST. VIN	iP	02.34.07	c	1.83°	
		iS	02.34.33			
	BARB	iP	02.34.22	c	2.67°	
15	TRIN	iP	16.40.46			
	ST. VIN	eP	16.41.03			
		eS	16.41.35			
15	TRIN	iP	16.47.00			
	ST. VIN	eP	16.47.22			
		eS	16.47.48			
15	TRIN	iP	19.20.28		29.2°	USCGS Gives H: 19.14.29 E: 16½°S 71½°W Depth: About 100 km
	ST. VIN	iP	19.20.47	c	31.6°	
16	TRIN	iP	15.57.33			
17	TRIN	iP	08.04.43			
17	ANT	iP	17.07.10			
	ST. VIN	iP	17.07.15	c		
		iS	17.07.41			
18	TRIN	iP	13.46.(35)			
18	ANT	iP	14.28.12			
		iS	14.28.22			
18	ANT	iP	15.15.49	d		
		iS	15.16.00			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 18	TRIN	iP	15.18.34			Trinidad Region
		iS	15.18.40			
18	ST. VIN	eP	15.24.56		63.1°	Small USCGS Gives H: 15.14.26 E: 29°S 13°W
18	ANT	iP	17.03.10			
		iS	17.03.20			
18	ANT	iP	17.15.15	d		
		iS	17.15.26			
18	ANT	iP	18.42.31	d		
		iS	18.42.41			
19	TRIN	iP	05.17.33		0.47°	Felt: Tobago Intensity II-III H: 05.17.22 E; 11.1°N 61.3°W Depth: About 60 km
		iS	05.17.49			
	ST. VIN	eP	05.17.51		2.04°	
		i	05.18.17			
	BARB	eP	05.18.02		2.59°	
19	TRIN	iP	14.12.00		20.0°	USCGS Gives H: 14.07.23 E: 1½°N 79½°W
		i	14.12.04			
		i	14.12.07			
		eS	14.15.50			
		iSS	14.16.03			
19	TRIN	iP	14.48.01		20.0°	USCGS Gives: H: 14.43.24 E: 1½°N 79½°W
		eS	14.51.50			
19	TRIN	iP	19.04.10			
	ST. VIN	eP	19.04.29			
		iS	19.04.56			
20	ST. VIN	eP	02.28.08		45.1°	Small USCGS Gives H: 02.19.53 E: 30½°S 71½°W
22	ST. VIN	iP	11.35.41	d		South Windwards Region
		iS	11.35.54			
	BARB	eP	11.35.52			
22	ST. VIN	iP	18.35.15	d		
		i	18.35.29			
		iS	18.35.33			
	BARB	eP	18.35.31			
24	ST. VIN	e	23.29.30		78.7°	USCGS Gives H: 60°N 152°W E: 23.17.29 Depth: About 60 km
25	TRIN	iP	03.44.30			
		iS	03.44.44			
	ST. VIN	eP	03.44.59			
		e	03.45.02			
		e	03.45.17			
25	TRIN	iP	03.54.43			
		iS	03.54.57			
25	TRIN	iP	20.56.14	d		Trinidad Region
		iS	20.56.23			
26	TRIN	iP	01.01.59	d		Trinidad Region
		iS	01.02.11			
26	TRIN	iP	01.18.59	d		Trinidad Region
		iS	01.19.10			
26	ANT	iP	02.11.20		1.91°	H: 02.10.54 E: 17.7°N 63.7°W
	ST. VIN	iP	02.12.04	c	5.16°	
		eS	02.12.51			
	RB	eP	02.12.21		6.12°	
		eP	02.12.(36)		7.30°	
		eS	02.13.51			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 18	TRIN	iP	15.18.34			Trinidad Region
		iS	15.18.40			
18	ST. VIN	eP	15.24.56		63.1°	Small USCGS Gives H: 15.14.26 E: 29°S 13°W
18	ANT	iP	17.03.10			
		iS	17.03.20			
18	ANT	iP	17.15.15	d		
		iS	17.15.26			
18	ANT	iP	18.42.31	d		
		iS	18.42.41			
19	TRIN	iP	05.17.33		0.47°	Felt: Tobago Intensity II-III H: 05.17.22 E; 11.1°N 61.3°W Depth: About 60 km
		iS	05.17.49			
	ST. VIN	eP	05.17.51		2.04°	
		i	05.18.17			
	BARB	eP	05.18.02		2.59°	
19	TRIN	iP	14.12.00		20.0°	USCGS Gives H: 14.07.23 E: 1½°N 79½°W
		i	14.12.04			
		i	14.12.07			
		eS	14.15.50			
		iSS	14.16.03			
19	TRIN	iP	14.48.01		20.0°	USCGS Gives: H: 14.43.24 E: 1½°N 79½°W
		eS	14.51.50			
19	TRIN	iP	19.04.10			
	ST. VIN	eP	19.04.29			
		iS	19.04.56			
20	ST. VIN	eP	02.28.08		45.1°	Small USCGS Gives H: 02.19.53 E: 30½°S 71½°W
22	ST. VIN	iP	11.35.41	d		South Windwards Region
		iS	11.35.54			
	BARB	eP	11.35.52			
22	ST. VIN	iP	18.35.15	d		
		i	18.35.29			
		iS	18.35.33			
	BARB	eP	18.35.31			
24	ST. VIN	e	23.29.30		78.7°	USCGS Gives H: 60°N 152°W E: 23.17.29 Depth: About 60 km
25	TRIN	iP	03.44.30			
		iS	03.44.44			
	ST. VIN	eP	03.44.59			
		e	03.45.02			
		e	03.45.17			
25	TRIN	iP	03.54.43			
		iS	03.54.57			
25	TRIN	iP	20.56.14	d		Trinidad Region
		iS	20.56.23			
26	TRIN	iP	01.01.59	d		Trinidad Region
		iS	01.02.11			
26	TRIN	iP	01.18.59	d		Trinidad Region
		iS	01.19.10			
26	ANT	iP	02.11.20		1.91°	H: 02.10.54 E: 17.7°N 63.7°W
	ST. VIN	iP	02.12.04	c	5.16°	
		eS	02.12.51			
	BARB	eP	02.12.21		6.12°	
	TRIN	eP	02.12.(36)		7.30°	
		eS	02.13.51			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JAN 26	TRIN	iP	02.47.39			Trinidad Region
		iS	02.47.51			
26	ANT	iP	03.15.49	d		
		iS	03.16.04			
26	TRIN	iP	15.52.33			
		iS	15.52.50			
26	TRIN	eP	20.09.15			
		iS	20.09.29			
26	ANT	iP	22.41.48			
		iS	22.42.04			
27	TRIN	iP	09.08.25	c		Trinidad Region
		iS	09.08.32			
27	TRIN	eP	18.44.26			
27	ANT	iP	22.44.04			
27	TRIN	eP	22.57.45			
		i	22.57.50			
		iS	22.58.03			
28	TRIN	iP	18.54.38			
		i	18.54.41			
		iS	18.54.52			
	ST. VIN	eP	18.55.10			
		eS	18.55.50			
28	TRIN	eP	22.00.50			Trinidad Region
		iS	22.01.02			
	ST. VIN	eP	22.01.21			
		eS	22.02.05			
29	TRIN	eP	00.34.59			
		iS	00.35.14			
29	TRIN	eP	05.54.47			
30	ST. VIN	eP	05.04.46			
		iS	05.05.00			
30	TRIN	eP	13.56.38			
30	TRIN	iP	20.08.44	d	0.30°	Felt: Trinidad H: 20.08.34 E: 10.9°N.61.3°W Depth: About 60 km
	ST. VIN	iP	20.09.06	c	2.30°	
		i	20.09.23			
		iS	20.09.31			
	BARB	eP	20.09.17		2.81°	
	ANT	iP	20.10.00	c	6.29°	

Volcanological Research Department,

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Trinidad, B. W. I.

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STATIONS REPORTING.

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ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	Long.	61° 15.5' W	Elev.	c 10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	Long.	61° 00.5' W	Elev.	c 30m.a.s.l.
BARBADOS	(BARB)	LAT.	13° 07.4' N	Long.	59° 35.6' W.	Elev.	c 70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7' N	Long.	61° 23.5' W.	Elev.	c 40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6' N	Long.	61° 50.1' W.	Elev.	c 27m.a.s.l.

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The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

*On January 1st 1955, the Trinidad station was moved from -

Lat. 10° 40' 11" N Long. 61° 31' 12" W. Elev. c 34m.a.s.l. to -

Lat. 10° 44.7' N Long. 61° 33.8' W Elev. 227m.a.s.l.

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
FEB 1	ANT	eP	10.57.43			
1	ANT	iP	13.34.10			
		i	13.35.01			
		i	13.35.21			
	ST. VIN	eP	13.34.(42)			
	BARB	eP	13.35.(01)			
1	TRIN	iP	13.14.49		19.4°	USCGS Gives H: 16.10.15 E: 2°N 79°W
		i(SS)	16.18.37			
	ST. VIN	iP	16.15.03	d	20.8°	
		eSS	16.19.18			
	BARB	eP	16.15.16		22.2°	
		e	16.19.33			
	ANT	iP	16.15.22		22.6°	
		e	16.17.44			
		e	16.19.45			
1	TRIN	eP	16.21.44			
		iS	16.21.59			
1	TRIN	iP	18.07.12		19.4°	USCGS Gives H: 18.02.39 E: 2°N 79°W
		e(SS)	18.10.58			
	ST. VIN	iP	18.07.27		20.8°	
	BARB	eP	18.07.40		22.2°	
		e	18.12.01			
	ANT	iP	18.07.45		22.6°	
1	TRIN	eP	20.12.49			
		iS	20.13.03			
1	TRIN	eP	20.26.48			
		iS	20.27.03			
1	TRIN	iP	20.50.19		19.6°	USCGS Gives H: 20.45.45 E: 1½°N 79°W
		i	20.52.33			
		e(SS)	20.54.04			Very Small
	BARB	eP	20.50.47		22.5°	
		e	20.53.05			
	ANT	iP	20.50.54		23.2°	
		e	20.53.11			
		e	20.55.22			
1	TRIN	iP	21.11.23			Small
	ANT	eP	21.11.(59)			
1	TRIN	i	21.51.41			Very Small
2	TRIN	eP	00.42.12			
		iS	00.42.30			
2	TRIN	eP	02.39.33		20.0°	Small USCGS Gives H: 02.34.59 E: 1½°N 79½°W
	ST. LUC	eP	02.39.54		22.2°	Small
	ANT	eP	02.40.11		23.7°	
2	TRIN	eP	08.20.59		20.3°	Very Small USCGS Gives H: 08.16.20 E: 2°N 80°W
	ST. LUC	eP	08.21.20		22.4°	
	ANT	eP	08.21.36		23.7°	
2	TRIN	iP	08.53.49		19.4°	USCGS Gives H: 08.49.13 E: 2°N 79°W
	ST. VIN	eP	08.54.03		20.8°	
	ST. LUC	eP	08.54.10		21.7°	
	BARB	eP	08.54.17		22.2°	
	ANT	iP	08.54.26		22.6°	

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
FEB 2	TRIN	iP	10.50.50	c		Trinidad Region
		iS	10.51.00			
2	ST. VIN	iP	15.52.51	c	1.44°	H: 15.52.31
		iS	15.53.05			E: 14.0°N 61.0°W
	BARB	eP	15.53.02		1.95°	Depth: About 125 km
		eS	15.53.20			
	TRIN	eP	15.53.19		3.52°	
		eS	15.53.53			
3	ANT	iP	06.59.38			
3	ST. VIN	eP	14.06.06			USCGS Gives H: 14.02.20 E: South of Panama.
4	TRIN	eP	18.14.57			Trinidad Region
		iS	18.15.09			
4	TRIN	iP	22.57.49	c		Trinidad Region
		iS	22.58.01			
5	TRIN	iP	05.15.28			
		iS	05.15.45			
7	TRIN	iP	05.46.14			
		iP	05.46.16			
		iS	05.46.28			
	ST. LUC	eP	05.46.58			
		eS	05.47.48			
7	TRIN	iP	13.52.51	d		Trindad Region
		iS	13.52.58			
7	TRIN	eP	17.30.10			
		iS	17.30.26			
7	ST. VIN	eP	21.39.25			
		iS	21.39.39			
9	ST. VIN	eP	04.19.25		18.7°	USCGS Gives H: 04.15.05 E: 8°N 79½°W
		e	04.19.29			
	BARB	eP	04.19.44		20.3°	
9	TRIN	iP	07.07.56	c	0.99°	H: 07.07.40
		iS	07.08.09			E: 11.3°N 60.8°W
	ST. VIN	iP	07.08.07	c	1.90°	Depth: About 60 km
		iS	07.08.27			
	BARB	iP	07.08.14		2.13°	
9	TRIN	eP	08.06.39			
12	ANT	eP	23.56.50		90.1°	USCGS Gives H: 23.43.45 E: 52°N 175°W
14	ST. VIN	eP	08.01.13			
		eS	08.01.55			
14	ST. VIN	iP	20.19.11		2.16°	H: 20.18.42
		iS	20.19.33			E: 14.9°N 60.6°W
	BARB	iP	20.19.17		2.31°	Depth: About 125 km.
	ANT	iP	20.19 19	c	2.77°	
15	BARB	iP	02.03.26	c		
		iS	02.03.35			
		i	02.03.47			
	ST. VIN	iP	02.03.39	c		
		iS	02.03.57			
15	ST. VIN	iP	14.01.47	c		
17	BARB	eP'	00.14.30		145.2°	USCGS Gives H: 23.54.45 E: 6°S 155°E
17	ST. VIN	eP	04.27.54			
		eS	04.28.33			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
FEB 18	ST. VIN	eP	01.43. 58			
		i	01.44.02			
		eS	01.44.37			
	BARB	eP	01.44.14			
18	ST. VIN	eP	04.18.24			
		eS	04.18.54			
19	ST. VIN	iP	19.34.52	c		
21	TRIN	iP	05.28.50	d		Trinidad Region
		iS	05.29.01			
21	TRIN	eP	13.51.51		20.4°	Very Small USCGS Gives H: 13.47.10 E: 1½°N 80°W
21	TRIN	iP	17.01.25			Trinidad Region
		iS	17.01.37			
	ST. VIN	eP	17.01.58			
		eS	17.02.43			
22	ANT	iP	08.31.17	d		
		i	08.31.21			
	ST. VIN	iP	08.31.23			
		i	08.31.32			
	TRIN	iP	08.31.26			Small
		e	08.31.35			
22	TRIN	iP	17.19.23	d		Trinidad Region
		iS	17.19.35			
22	ANT	iP	11.03.24	c	90.7°	USCGS Gives H: 10.50.23 E: 50½°N 175°W
23	TRIN	eP	08.21.21		38.3°	Very Small
		e	08.21.23			Small USCGS Gives H: 08.14.48 E: 27½°S 63°W Depth: About 600 km
	ST. VIN	eP	08.21.40		40.9°	
		eS	08.27.15			
	BARB	eP	08.21.44		40.7°	
23	TRIN	eP	12.07.35			
		iP	12.07.37			
		iS	12.07.55			
	ST. VIN	eP	12.07.54			
		eS	12.08.27			
25	ST. VIN	eP'	15.21.54		146.8°	Small USCGS Gives H: 15.02.08 E: 6°S 151½°E
	TRIN	eP'	15.21.56		146.9°	Very Small
26	ST. VIN	eP'	00.37.03		145.3°	Small USCGS Gives H: 00.18.05 E: 3½°S 152½°E Depth: About 400 km
	TRIN	iP'	00.37.06		145.4°	Very Small
27	ST. VIN	eP'	23.47.35		146.2°	USCGS Gives H: 23.27.49 E: 21°N 120°E
	BARB	eP'	23.47.39		146.1°	
28	ST. VIN	e(P)	09.59.39		21.2°	USCGS Gives H: 09.54.53 E: 27°N 44°W

Volcanological Research Department,

Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, B. W. I.

- MAR 1958

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Seismological Bulletin.

STATIONS REPORTING.

TRINIDAD	(TRIN)*	LAT.	10° 44.7' N	Long.	61° 33.8' W	Elev.		227m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7' N	Long.	61° 44.1' W	Elev.	c	30m.a.s.l.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	Long.	61° 15.5' W	Elev.	c	10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	Long.	61° 00.5' W	Elev.	c	30m.a.s.l.
BARBADOS	(BARB)	LAT.	13° 07.4' N	Long.	59° 35.6' W.	Elev.	c	70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7' N	Long.	61° 23.5' W.	Elev.	c	40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6' N	Long.	61° 50.1' W.	Elev.	c	27m.a.s.l.

EQUIPMENT.

All stations are equipped with Willmore Vertical seismometers and recorders, with the following characteristics.

Seismometer period.....1.0 secs.

Galvanometer period.....0.25 secs.

Velocity Sensitivity (maximum) 1450cms/cm/sec.

Magnification (maximum).....30,000.

The sensitivities at the stations are varied to suit local conditions and the maximum values given above should be multiplied by the following factors: Trinidad 1/10th; Grenada, St. Vincent, St. Lucia, Barbados, Dominica, Antigua, 1/3rd

The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

*On January 1st 1955, the Trinidad station was moved from -

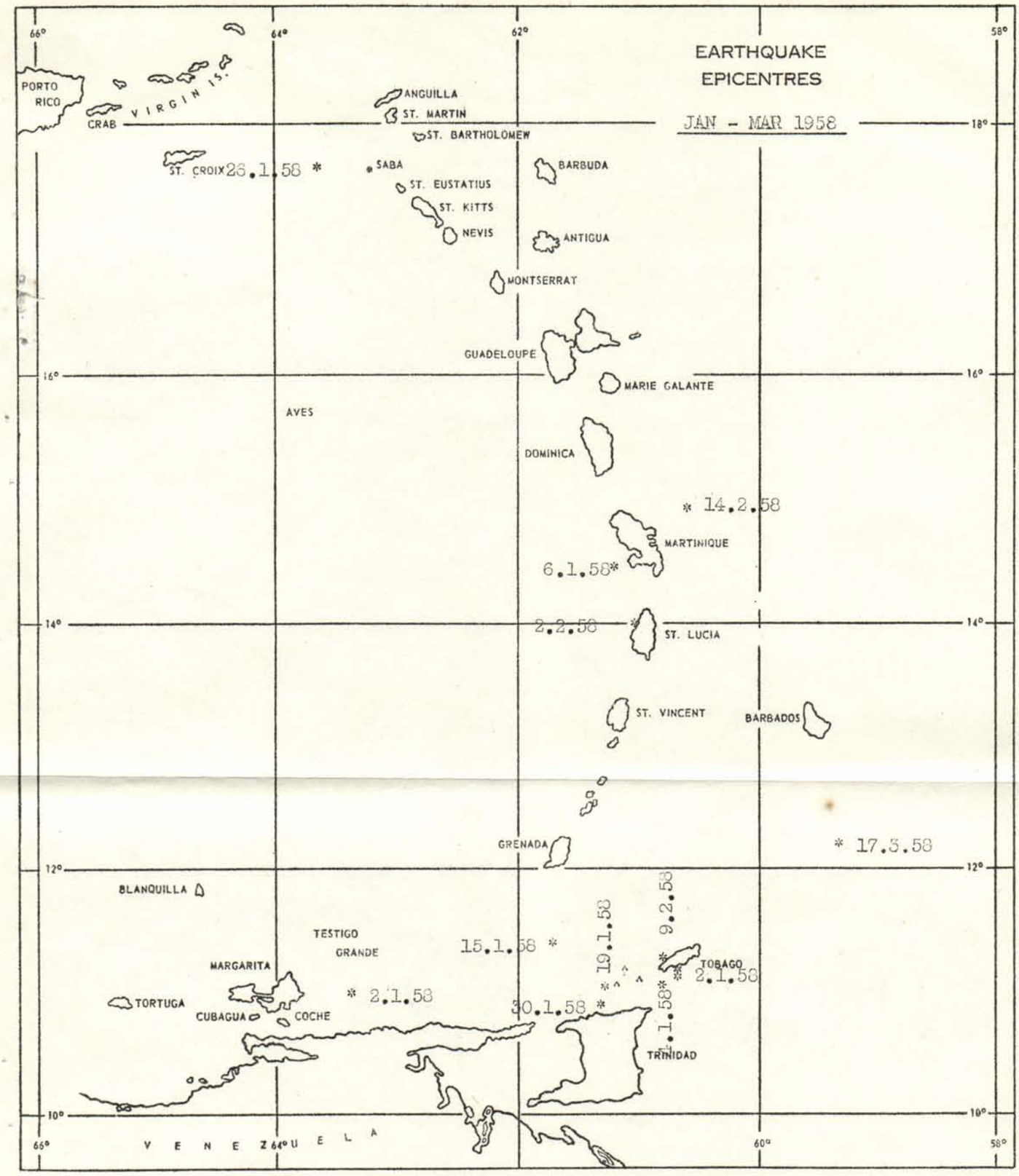
Lat. 10° 40' 11" N Long. 61° 31' 12" W. Elev. c 34m.a.s.l. to -

Lat. 10° 44.7' N Long. 61° 33.8' W Elev. 227m.a.s.l.

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAR 1	ST. VIN	eP	09.11.54		30.7°	USCGS Gives H: 09.05.40 E: 13½°S 76½°W
	BARB	eP	09.12.05		31.6°	
1	TRIN	eP	17.58.31			
		eS	17.58.52			
2	TRIN	e(P)	10.19.49			
3	TRIN	eP	11.33.29			Trinidad Region
		iS	11.33.42			
3	ANT	iP	21.36.00			
3	ANT	iP	23.06.05			
4	TRIN	iP	11.06.20	d		Trinidad Region
		iS	11.06.31			
5	ANT	eP	06.31.05			
5	ANT	iP	20.16.00			
6	ST. VIN	eP	05.50.23			
6	ANT	iP	11.17.35			
7	ANT	eP	08.41.13		152.5°	USCGS Gives H: 08.21.23 E: 9½°N 126°E
7	ANT	iP	10.47.21			
8	ANT	iP	02.11.23			
8	ANT	iP	03.08.42			
8	ST. VIN	iP	09.15.09	d		
		i	09.15.31			
		i	09.15.39			
8	TRIN	iP	20.18.35		45.1°	Small USCGS Gives H: 20.10.23 E: 33½°S 70°W Depth: About 100 km
	ST. VIN	eP	20.18.53		47.7°	
	ANT	eP	20.19.22		51.3°	
9	TRIN	eP'	07.43.46		150.4°	Very Small USCGS Gives H: 07.23.51 E: 6½°S 148°E
	ST. VIN	eP'	07.43.46		150.5°	Small
11	ANT	eP'	00.45.15		137.0°	USCGS Gives H; 00.25.56 E: 25½°N 125°E Depth: About 60 km
		e	00.48.41			
	ST. VIN	iP'	00.45.20		141.0°	
		i	00.45.37			
		i	00.45.44			
	BARB	eP'	00.45.27		141.3°	Very Small
		e	00.45.40			Very Small
	TRIN	eP'	00.45.27		143.6°	Very Small
		i	00.45.42			
		i	00.45.46			
		i	00.46.36			
11	ANT	iP	21.20.15			
		iS	21.20.28			
14	TRIN	iP	13.38.09			Trinidad Region
		iS	13.38.19			
15	TRIN	eP'	00.43.46		145.8°	USCGS Gives H: 00.24.04 E: 23½°N 122°E
		e	00.43.57			
15	TRIN	iP	08.19.08	d		Trinidad Region
		iS	08.19.14			
15	ANT	iP'	19.25.48		145.0°	USCGS Gives H: 19.06.10 E: 5°S 152°E
	TRIN	eP'	19.25.53		146.2°	Small
	ST. VIN	eP'	19.25.54		146.2°	

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAR 15	ANT	iP	20.47.35	d		
	TRIN	eP	20.48.(55)			
15	ANT	iP	22.44.53			
16	ANT	iP	12.59.15			
16	ANT	iP	15.14.57			
17	TRIN	eP	04.12.58			Trinidad Region
		iS	04.13.05			
17	ST. VIN	eP'	22.00.18		151.0°	Small USCGS Gives H.21.40.23 E:6½°N 147½°E
	TRIN	eP'	22.00.19		150.8°	Small
17	BARB	iP	23.51.33	d	0.98°	H: 23.51.16 E: 12.2°N 59.3°W
		i	23.51.38			
		iS	23.51.43			
	ST. VIN	iP	23.51.45	c	2.14°	
		iS	23.52.07			
		i	23.52.14			
	TRIN	iP	23.51.52		2.63°	
	ANT	iP	23.52.32		5.53°	
19	TRIN	eP	04.02.49			
		eS	04.03.09			
19	TRIN	iP	05.29.20	c		Trinidad Region
		iS	05.29.27			
19	TRIN	iP	09.26.31	d		Trinidad Region
		iS	09.26.43			
19	TRIN	eP	11.49.13			
		iP	11.49.14			
		iS	11.49.28			
	ST. VIN	eP	11.49.32			
		i	11.49.35			
		iS	11.49.58			
	BARB	e	11.51.32			
19	ST. VIN	eP	13.42.50			
		eS	13.43.07			
19	TRIN	iP	22.31.25			Trinidad Region
		iS	22.31.36			
20	ANT	iP	22.20.16			
20	TRIN	eP	01.51.27		94.6°	Very Small USCGS Gives H: 01.38.04 E: 51°N 173°W
21	TRIN	iP	04.00.00	d		Trinidad Region
		iS	04.00.13			
21	TRIN	iP	09.19.58	d		
		iS	09.20.21			
	ST. VIN	eP	09.20.18 !			
		eS	09.20.58			
23	TRIN	iP	03.45.40	d		Trinidad Region
		iS	03.45.46			
25	ST. VIN	eP	18.43.57		5.7°	USCGS Gives H: 18.42.27 E: 18°N 64½°W
	BARB	eP	18.44.17		6.9°	
	TRIN	eP	18.44.27		7.8°	
		i	18.44.36			
25	ST. VIN	eP	18.48.48			
		i	18.49.12			
		i	18.49.36			
30	ST. VIN	e	00.22.45			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAR 30	ST. VIN	eP	09.08.48			
30	TRIN	eP	14.27.15			USCGS Gives H: 14.22.34 E: Northern Peru.
	ST. VIN	eP	14.27.29			Small
31	TRIN	iP iS	01.42.10 01.42.18	c		Trinidad Region
31	ST. VIN	iP	21.10.17	d	4.3°	USCGS Gives H: 21.09.01 E: $17\frac{1}{2}^{\circ}$N 60°W
	BARB	eP	21.10.28		5.0°	



^ Epicentres 3.1.58

Volcanological Research Department,

Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, B. W. I.

APR 1958

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STATIONS REPORTING.

TRINIDAD	(TRIN)*	LAT.	10° 44.7'	N	Long.	61° 33.8'	W	Elev.		227m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7'	N	Long.	61° 44.1'	W	Elev.	c	30m.a.s.l.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2'	N	Long.	61° 15.5'	W	Elev.	c	10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7'	N	Long.	61° 00.5'	W	Elev.	c	30m.a.s.l.
BARBADOS	(BARB)	LAT.	13° 07.4'	N	Long.	59° 35.6'	W.	Elev.	c	70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7'	N	Long.	61° 23.5'	W.	Elev.	c	40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6'	N	Long.	61° 50.1'	W.	Elev.	c	27m.a.s.l.

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Velocity Sensitivity (maximum) 1450cms/cm/sec.

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Lat. 10° 40' 11" N Long. 61° 31' 12" W. Elev. c 34m.a.s.l. to -

Lat. 10° 44.7' N Long. 61° 33.8' W Elev. 227m.a.s.l.

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 3	TRIN	eP	08.30.21		19.6°	USCGS Gives H: 08.25.43
		i	08.30.25			E: 1½°N 79°W
	ST. VIN	eP	08.30.36		20.3°	
4	ST. VIN	eP'	07.36.40		146.3°	USCGS Gives H: 07.16.55
						E: 5½°S 152°E
	TRIN	eP'	07.36.40		146.4°	Very Small
4	TRIN	iP	12.17.09	d		Trinidad Region
		iS	12.17.16			
	ST. VIN	eP	12.17.36			
		iS	12.18.11			
4	ST. VIN	eP'	15.57.45		146.3°	USCGS Gives H: 15.38.03
						E: 5½°S 152°E
	TRIN	eP'	15.57.47		146.4°	Very Small
5	TRIN	eP	13.05.52			Trinidad Region
		iS	13.06.05			
6	TRIN	iP	14.48.49			Trinidad Region
		iS	14.49.01			
	ST. VIN	e	14.49.24			
7	ST. VIN	iP	04.26.27	c		
	BARB	iP	04.26.38			
7	TRIN	iP	05.17.01	d		Trinidad Region
		iS	05.17.11			
7	ST. VIN	i(P)	15.42.59		80.1°	USCGS Gives H: 15.30.38
						E: 66½°N 157°W
7	TRIN	eP	22.21.09			Trinidad Region
		iS	22.21.22			
	ST. VIN	eP	22.21.28			
8	TRIN	eP	04.38.21		11.8°	USCGS Gives H: 04.35.21
						E: 7°N 73°W
	ST. VIN	eP	04.38.36		13.1°	
	BARB	eP	04.39.01		14.5°	
9	TRIN	eP	21.21.24			Trinidad Region
		iS	21.21.36			
10	ST. VIN	eP	13.25.43			USCGS Gives H: 13.18.47
						E: Northern Chile
						Depth: About 150 km
14	TRIN	eP	21.37.09		20.4°	USCGS Gives H: 21.32.28
		eS	21.40.58			E: 1°N 79½°W
	ST. VIN	eP	21.37.25		22.0°	
	BARB	iP	21.37.36	d	23.2°	
		e	21.42.04			
14	TRIN	eP	22.53.14		20.4°	USCGS Gives H: 22.48.33
						E: 1°N 79½°W
	ST. VIN	eP	22.53.28		22.0°	
	BARB	eP	22.53.43		23.2°	
15	TRIN	eP	01.35.26		20.4°	USCGS Gives H: 01.30.43
						E: 1°N 79½°W
	ST. VIN	eP	01.35.39		22.0°	
	BARB	eP	01.35.53		23.2°	
15	ST. VIN	eP	03.57.48		22.6°	USCGS Gives H: 03.52.39
						E: 9°N 84°W
	BARB	eP	03.58.01		24.4°	
19	TRIN	eP	16.06.57			
		eS	16.07.13			
	ST. VIN	eP	16.07.(29)			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
APR 20	TRIN	eP	22.34.53			
		e	22.34.55			
		eS	22.35.08			
	ST. VIN	eP	22.35.28			
		eS	22.36.07			
21	TRIN	iP	01.33.15	d		Trinidad Region
		iS	01.33.26			
21	ST. VIN	i(P)	12.20.41		24.6°	USCGS Gives H: 12.15.27 E: 8°S 73½°W Depth: About 150 km
22	TRIN	iP	08.42.13	d		
		iS	08.42.27			
23	ST. VIN	iP	10.26.13	c		South Windwards Region
		iS	10.26.25			
	BARB	eP	10.26.24			
24	GREN	eP	18.14.14		22.2°	USCGS Gives H: 18.09.14 E: 5°N 83°W
	ST. VIN	iP	18.14.19		23.0°	
	ST. LUC	iP	18.14.26		23.8°	
	BARB	eP	18.14.35		24.5°	Very Small
25	ST. LUC	iP	18.26.10	c		
27	GREN	eP	18.44.55		35.3°	USCGS Gives H: 18.38.10 E: 23°S 66.0°W Depth: About 200 km
	ST. LUC	eP	18.45.10		37.5°	
		iP	18.45.11			
		eS	18.50.42			
28	GREN	eP	11.53.15		26.2°	USCGS Gives H: 11.47.40 E: 11°S 74°W
	ST. VIN	eP	11.53.(37)		27.3°	
	BARB	eP	11.53.(44)		28.0°	
29	ST. VIN	iP	11.33.43			South Windwards Region
		iS	11.33.54			
30	GREN	eP	19.34.06		33.6°	USCGS Gives H: 19.27.32 E: 21.°S 67½°W Depth: About 150 km
	ST. VIN	eP	19.34.13		35.0°	
	BARB	eP	19.34.19		35.2°	

Volcanological Research Department,

Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, B. W. I.

Seismological Bulletin.

STATIONS REPORTING.

TRINIDAD	(TRIN)*	LAT.	10° 44.7' N.	Long.	61° 33.8' W	Elev.	227m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7' N	Long.	61° 44.1' W	Elev.	c 30m.a.s.l.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	Long.	61° 15.5' W	Elev.	c 10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	Long.	61° 00.5' W	Elev.	c 30m.a.s.l.
BARBADOS	(BARB)	LAT.	13° 07.4' N	Long.	59° 35.6' W.	Elev.	c 70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7' N	Long.	61° 23.5' W.	Elev.	c 40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6' N	Long.	61° 50.1' W.	Elev.	c 27m.a.s.l.

EQUIPMENT.

All stations are equipped with Willmore Vertical seismometers and recorders, with the following characteristics.

Seismometer period.....1.0 secs.

Galvanometer period.....0.25 secs.

Velocity Sensitivity (maximum) 1450cms/cm/sec.

Magnification (maximum).....30,000.

The sensitivities at the stations are varied to suit local conditions and the maximum values given above should be multiplied by the following factors: Trinidad 1/10th; Grenada, St. Vincent, St. Lucia, Barbados, Dominica, Antigua, 1/3rd

The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

*On January 1st 1955, the Trinidad station was moved from -

Lat. 10° 40' 11" N Long. 61° 31' 12" W. Elev. c 34m.a.s.l. to -

Lat. 10° 44.7' N Long. 61° 33.8' W Elev. 227m.a.s.l.

DATE 1958	STATION	PHASE	TIME G.M.T	MOTION	DISTANCE	
MAY 1	GREN	iP	10.29.(29)		2.22°	H: 10.28.59
		iS	10.29.(54)			E: 10.2°N 63.0°W
	ST. VIN	eP	10.29.45		3.42°	
		iS	10.30.(18)			
	BARB	eP	10.30.03		4.45°	
		i	10.30.11			
	ANT	iP	10.30.30		7.02°	
2	GREN	eP	00.31.(29)			
		iS	00.31.(54)			
	ST. VIN	eP	00.31.46			
		iS	00.32.20			
2	ST. VIN	e	20.25.(34)			
3	GREN	iP	05.29.(21)	d	1.31°	H: 05.29.03
		iS	05.29.(40)			E: 10.7°N 61.8°W
	ST. VIN	iP	05.29.37	d	2.49°	
		iS	05.30.08			
		m(T)	05.31.59			
	BARB	eP	05.29.51		3.23°	
3	BARB	e	08.11.(15)			
3	BARB	eP	09.04.54			
5	ST. VIN	eP	06.44.50		91.0°	USCGS Gives H: 06.31.39
						E: 9½°S 27½°E
6	ST. VIN	eP	00.41.43			
		iS	00.42.11			
6	TRIN	eP	09.38.25			Trinidad Region
		i	09.38.31			
		iS	09.38.36			
	GREN	eP	09.38.(29)			
		iS	09.38.(47)			
6	TRIN	iP	11.58.59	c		Trinidad Region
		iS	11.59.05			
7	ANT	iP	04.48.50			
		i	04.49.11			
7	ST. LUC	iP	07.08.52			
		iS	07.08.55			
7	ST. LUC	iP	07.09.11	c		
		iS	07.09.14			
8	TRIN	iP	07.09.19			Trinidad Region
		iS	07.09.25			
	GREN	eP	07.09.(27)			
		e(S)	07.09.(44)			
8	TRIN	eP	07.09.56			Trinidad Region
		iS	07.10.00			
8	TRIN	eP	12.47.26		35.3°	Felt: Antofagasta, Chile
						USCGS Gives H: 12.40.46
						E: 24°S 67°W
						Depth: About 200 km
	GREN	eP	12.47.(37)		36.3°	
	ST. VIN	eP	12.47.45		37.7°	
		iP	12.47.46			
		eS	12.53.26			
	BARB	iP	12.47.53	d	37.7°	
	ST. LUC	eP	12.47.54		38.5°	
		iP	12.47.56			
8	TRIN	iP	13.39.40			Trinidad Region
		iS	13.39.50			
8	TRIN	e	14.48.16			
	GREN	e	14.48.(23)			
	ST. VIN	e	14.48.28			Small

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 8	ST. VIN	iP	16.08.27	d	0.90°	H: 16.08.15
		iS	16.08.38			E: 13.1°N 60.4°W
	BARB	iP	16.08.29		0.75°	
		i	16.08.58			
	ST. LUC	iP	16.08.30	c	1.12°	
		iS	16.08.42			
	GREN	iP	16.08.(44)	d	1.73°	
		i	16.08.(54)			
		iS	16.09.(05)			
	TRIN	eP	16.08.(54)		2.64°	
		iS	16.09.22			
8	TRIN	iP	18.54.03	c		Trinidad Region
		iS	18.54.14			
	GREN	eP	18.54.(10)			
		iS	18.54.(27)			
9	ST. VIN	eP	00.51.08		35.0°	Small USCGS Gives H: 00.44.12 E: 1½°N 94½°W
	ST. LUC	eP	00.51.(12)		35.5°	
9	TRIN	eP	04.48.02		42.0°	USCGS Gives H: 04.40.20 E: 31°S 65½°W Depth: About 100 km
		ePP	04.49.58			
	GREN	iP	04.48.(13)	c	43.2°	
		iPP	04.50.(02)			
	ST. VIN	eP	04.48.20		44.6°	
		iPP	04.50.04			
		e(S)	04.54.31			
	BARB	eP	04.48.24		44.5°	
	ST. LUC	iP	04.48.28	c	45.5°	
		iPP	04.50.08			
		e(S)	04.54.39			
9	TRIN	iP	13.12.18	d		Trinidad Region
		iS	13.12.30			
10	TRIN	eP	00.39.28			
		iS	00.39.42			
10	TRIN	iP	11.26.20	c		Trinidad Region
		iS	11.26.25			
11	BARB	e	06.51.(48)			Very Small
	ST. LUC	e	06.53.(28)			
11	ST. LUC	e	12.41.47			
11	ST. VIN	eP	17.42.00			South Windwards Region
		eS	17.42.09			
12	TRIN	eP	12.01.35			
		eS	12.01.52			
12	TRIN	iP	15.28.47			Trinidad Region
		iS	15.28.54			
12	TRIN	eP	21.17.18		22.2°	USCGS Gives H: 21.12.16 E: 6½°S 75½°W Depth: About 150 km
		e	21.17.45			
	GREN	iP	21.17.(26)	c	22.8°	
		i	21.17.(54)			
	ST. VIN	eP	21.17.36		24.2°	
		e	21.18.13			
	BARB	eP	21.17.(47)		25.0°	Small

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 13	ST. VIN	iP	07.54.48	d	2.58°	H: 07.54.13
		iS	07.55.14			E: 15.7°N 60.9°W
	BARB	iP	07.54.56	d	2.87°	
		i	07.55.20			
		i	07.55.31			
	GREN	iP	07.55.(04)	d	3.77°	
		iS	07.55.(43)			
	TRIN	eP	07.55.20		5.02°	
		iS	07.56.09			
13	TRIN	eP	15.24.39			Trinidad Region
		iS	15.24.52			
13	TRIN	eP	20.14.09			Trinidad Region
		eS	20.14.22			
14	TRIN	eP'	04.17.47		145.0°	USCGS Gives H: 03.58.09
		e	04.18.16			E: 4½°S 153°E
14	ST. VIN	eP	10.29.36			
		iS	10.29.51			
15	TRIN	iP	03.40.40	d		Trinidad Region
		iS	03.40.52			
15	GREN	eP	16.49.(01)		0.95°	H: 16.48.48
		eS	16.49.(10)			E: 11.4°N 61.8°W
						Depth: About 75 km
	TRIN	iP	16.49.01		0.96°	
		iS	16.49.11			
	ST. VIN	eP	16.49.15		2.00°	
		eS	16.49.39			
15	TRIN	iP	22.03.32	d	1.36°	H: 22.03.14
		iS	22.03.47			E: 9.6°N 62.1°W
						Depth: About 50 km
	GREN	eP	22.03.(48)		2.54°	
		eS	22.04.(13)			
	ST. VIN	eP	22.04.04		3.72°	
		e	22.04.37			
16	ANT	iP	20.22.49		6.5°	Felt: Cuidad Trujillo
		iS	20.24.06			USCGS Gives H: 20.21.09
						E: 18°N 68½°W
	ST. VIN	eP	20.23.17		8.3°	
		eS	20.24.44			
	GREN	eP	20.23.(21)		9.0°	
		eS	20.24.(47)			
	TRIN	eP	20.23.38		9.1°	Very small
		eS	20.25.19			Small
	BARB	eP	20.23.43		9.8°	
		eS	20.25.18			
16	TRIN	eP	23.34.29			Trinidad Region
		iS	23.34.41			
	GREN	iP	23.34.(33)	c		
		iS	23.34.(49)			
17	TRIN	iP	04.17.06	d		Trinidad Region
		iS	04.17.18			
	GREN	eP	04.17.(12)			
		iS	04.17.(33)			
17	TRIN	eP	09.42.58			
		eS	09.43.14			
17	TRIN	iP	13.42.16	d		Trinidad Region
		iS	13.42.29			
17	TRIN	iP	17.49.59			Trinidad Region
		iS	17.50.07			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 17	TRIN	eP	18.14.39			Trinidad Region
		iS	18.14.51			
17	TRIN	iP	23.43.47	c		Trinidad Region
		iS	23.43.53			
19	ST. VIN	eP	21.43.14			
		iS	21.43.40			
20	BARB	eP	02.13.29			
		e	02.13.48			
	ST. VIN	eP	02.13.43			
		eS	02.14.04			
20	TRIN	iP	08.37.17	d	1.12°	H: 08.37.02 E: 10.7°N 62.2°W Depth: About 100 km
		iS	08.37.28			
	GREN	iP	08.37.(25)	d	1.71°	
		iS	08.37.(42)			
	ST. VIN	eP	08.37.40		2.82°	
		eS	08.38.09			
21	TRIN	iP	04.14.48		1.48°	Felt: Trinidad Intensity I-II H: 04.14.28 E: 10.8°N 62.2°W Depth: About 150 km
	GREN	iP	04.14.(53)	d	1.88°	
		iS	04.15.(08)			
	ST. VIN	iP	04.15.07	c	2.88°	
		iS	04.15.37			
		mT	04.17.23			
	BARB	eP	04.15.(22)		3.70°	
		eS	04.15.53			
	ANT	iP	04.15.59		6.49°	
		iS	04.16.32			
21	ST. VIN	iP	14.09.25			
		i	14.09.51			
		i	14.10.17			
		i	14.10.49			
	BARB	eP	14.09.(38)			
		i	14.11.01			
	GREN	eP	14.09.(39)			
	TRIN	eP	14.10.(00)			
22	TRIN	iP	13.25.22	d		Trinidad Region
		iS	13.25.30			
23	TRIN	eP	15.23.39			
		eS	15.23.57			
	ST. VIN	eP	15.23.46			
		eS	15.24.10			
23	TRIN	eP	17.03.55			Trinidad Region
		iS	17.04.04			
23	TRIN	iP	18.53.28	c		Trinidad Region
		iS	18.53.35			
23	ST. LUC	iP	19.53.27			
		iS	19.53.34			
	ST. VIN	iP	19.53.42	d		
		iS	19.53.56			
24	TRIN	eP	14.16.04			
		iS	14.16.18			
	GREN	eP	14.16.(11)			
		eS	14.16.(31)			

DATE	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
1958						
MAY 24	TRIN	eP'	16.52.(55)		152.4°	Very Small
		i	16.53.00			USCGS Gives H: 16.33.01 E: 6°S 146°E
	GREN	eP'	16.52.(57)		152.3°	
	ST. VIN	eP'	16.52.59		152.2°	
	ST. LUC	eP'	16.53.(03)		152.2°	
25	TRIN	eP	08.55.24			Trinidad Region
		eS	08.55.36			
25	TRIN	eP	21.16.29		20.3°	Very Small
		i	21.20.33			Small
						USCGS Gives H: 21.11.45 E: 3°S 77°W Depth: About 100 km
	GREN	eP	21.16.(34)		21.3°	Very Small
		e	21.16.(38)			Small
	ST. VIN	eP	21.16.47		22.6°	
	BARB	eP	21.16.59		23.6°	
		e	21.17.10			
26	TRIN	iP	03.48.14	d	0.84°	H: 03.48.03
		iS	03.48.22			E: 11.0°N 61.9°W Depth: About 75 km
	GREN	iP	03.48.(22)	d	1.17°	
		iS	03.48.(34)			
	ST. VIN	eP	03.48.35		2.28°	
		i	03.48.56			
		i	03.49.00			
26	TRIN	eP	07.09.34			Trinidad Region
		iS	07.09.43			
26	TRIN	eP	08.54.(32)		20.5°	Very Small
		e	08.58.32			Very Small
						USCGS Gives H: 08.49.47 E: 3°S 77°W Depth: About 100 km
	GREN	eP	08.54.(35)		21.3°	Very Small
	ST. VIN	e	08.55.(02)		22.8°	Small
26	ST. VIN	eP	13.12.06			South Windwards Region
		iS	13.12.18			
27	TRIN	iP	04.57.25		0.63°	H: 04.57.17 E: 10.9°N 62.0°W Depth: About 50 km
	GREN	iP	04.57.(33)	d	1.23°	
		iS	04.57.(46)			
	ST. VIN	eP	04.57.49		2.39°	
		eS	04.58.14			
27	TRIN	iP	07.57.15	d		
		iS	07.57.29			
	GREN	eP	07.57.(16)			
		iS	07.57.(31)			
27	ST. VIN	eP	18.39.41		81.3°	Small
						USCGS Gives H: 18.27.23 E: 36½°N 27½°E
27	TRIN	eP'	23.52.(39)		152.2°	Very Small
						USCGS Gives H: 23.32.43 E: 5½°S 146°E
	ST. LUC	eP'	23.52.40		152.3°	
	ST. VIN	eP'	23.52.41		152.0	Very Small

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
MAY 28	TRIN	eP	07.06.03			Trinidad Region
		eS	07.06.14			
	GREN	iP	07.06.(03)	c		
		iS	07.06.(14)			
28	TRIN	e	13.11.07			
29	ST. LUC	eP	04.50.10			
		iS	04.50.30			
	ST. VIN	eP	04.50.22			
		iS	04.50.50			
29	ST. LUC	eP	07.06.04		35.1°	Small USCGS Gives H: 06.59.11 E: 16½°N 97½°W
	ST. VIN	eP	07.06.(09)		35.2°	Very Small
29	ST. VIN	eP	10.14.39			
		eS	10.14.59			
	ST. LUC	eP	10.14.44			
30	ST. LUC	eP'	16.30.59		141.0°	USCGS Gives H: 16.11.40 E: 25°N 122°E Depth: About 100 km
	ST. VIN	eP'	16.31.02		141.8°	Very Small
	TRIN	iP'	16.31.06	c	144.2°	
30	ST. LUC	eP	18.17.52		89.8°	USCGS Gives H: 18.04.50 E: 52½°N 169°W
	ST. VIN	eP	18.17.53		89.9°	
31	TRIN	iP	02.25.28			Trinidad Region
		iS	02.25.38			
	GREN	eP	02.25.(37)			
		eS	02.25.(54)			
31	GREN	eP	08.08.(06)		35.8°	USCGS Gives H: 08.01.27 E: 21½°S 64°W
	ST. VIN	eP.	08.08.28		35.0°	
	ST. LUC	eP	08.08.35		35.8°	
31	TRIN	iP	18.17.16	c		
	GREN	iP	18.17.(29)	c		
		iS	18.17.(48)			
31	TRIN	eP'	19.51.46		130.2°	Very Small USCGS Gives H: 19.32.30 E: 15°S 169°E
		e	19.55.(15)			
	GREN	eP'	19.51.(44)		131.0°	Very Small
	BARB	eP'	19.51.(55)		131.0°	

Volcanological Research Department,

Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, T. W. I.

Seismological Bulletin.

STATIONS REPORTING.

TRINIDAD	(TRIN)*	LAT.	10° 44.7' N	Long.	61° 33.8' W	Elev.		227m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7' N	Long.	61° 44.1' W	Elev.	c	30m.a.s.l.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	Long.	61° 15.5' W	Elev.	c	10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	Long.	61° 00.5' W	Elev.	c	30m.a.s.l.
BARBADOS	(BARB)	LAT.	13° 07.4' N	Long.	59° 35.6' W.	Elev.	c	70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7' N	Long.	61° 23.5' W.	Elev.	c	40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6' N	Long.	61° 50.1' W.	Elev.	c	27m.a.s.l.

EQUIPMENT.

All stations are equipped with Willmore Vertical seismometers and recorders, with the following characteristics.

Seismometer period.....1.0 secs.

Galvanometer period.....0.25 secs.

Velocity Sensitivity (maximum) 1450cms/cm/sec.

Magnification (maximum).....30,000.

The sensitivities at the stations are varied to suit local conditions and the maximum values given above should be multiplied by the following factors:
Trinidad 1/10th; Grenada, St. Vincent, St. Lucia, Barbados, Dominica, Antigua, 1/3rd

The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

*On January 1st 1955, the Trinidad station was moved from -

Lat. 10° 40' 11" N Long. 61° 31' 12" W. Elev. c 34m.a.s.l. to -

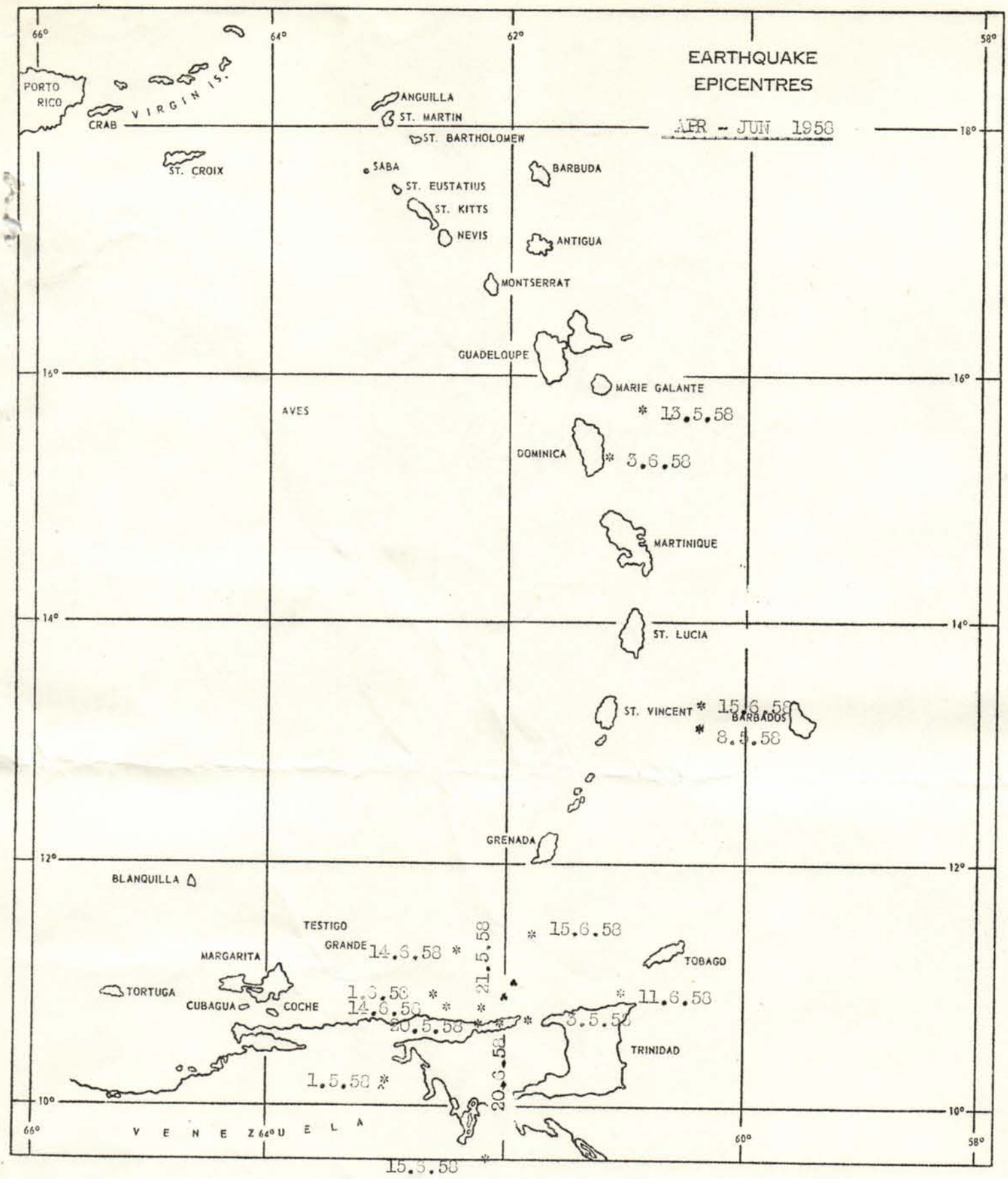
Lat. 10° 44.7' N Long. 61° 33.8' W Elev. 227m.a.s.l.

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUNE 1	TRIN	iP	18.17.51	d	1.00°	H: 18.17.37
		iS	18.18.03			E: 10.9°N 62.6°W
	GREN	iP	18.17.(57)		1.43°	
		iS	18.18.(14)			
	ST. VIN	eP	18.18.13		2.63°	
		eS	18.18.44			
2	TRIN	eP	00.05.21			
		eS	00.05.40			
	GREN	eP	00.05.24			
3	ST. LUC	iP	05.35.00		2.19°	H: 05.34.30 E: 15.3° 61.1° Depth: About 200 km
	ST. VIN	iP	05.35.08	c	2.76°	
	BARB	iP	05.35.17		3.15°	
		eS	05.35.49			
		e	05.35.55			
	GREN	iP	05.35.21	c	3.74°	
	TRIN	eP	05.35.39		4.88°	
		eS	05.36.30			
3	GREN	iP	14.07.01			
		iS	14.07.12			
4	TRIN	iP	00.24.27			
		iS	00.24.41			
	GREN	eP	00.24.44			
4	ST. LUC	eP	14.42.46		88.3°	USCGS Gives H: 14.29.50 E: 52½°N 167°W
	ST. VIN	eP	14.42.50		88.8°	
6	TRIN	eP	02.49.02			Trinidad Region
		iS	02.49.14			
	GREN	iP	02.49.06	d		
		iS	02.49.22			
6	GREN	eP	09.16.(19)		23.3°	USCGS Gives H: 09.11.18 E: 8°N 85°W
		i	09.16.35			
		e	09.20.48			
	TRIN	eP	09.16.20		23.4°	Very Small
	BARB	eP	09.16.44		25.5°	
6	TRIN	eP	13.03.42			Trinidad Region
		eS	13.03.55			
6	TRIN	eP	13.33.12			Trinidad Region
		eS	13.33.23			
6	TRIN	eP	19.20.19		21.5°	Very Small USCGS Gives H: 19.15.28 E: 5½°N 82½°W
	GREN	eP	19.20.22		21.7°	
	ST. VIN	eP	19.20.29		22.2°	
	BARB	eP	19.20.44		23.8°	
6	ST. VIN	eP	22.49.17		23.5°	USCGS Gives H: 22.44.05 E: 8°N 84½°W
7	TRIN	eP	11.34.24			
		iP	11.34.26			
7	TRIN	iP	19.01.56	c		Trinidad Region
		iS	19.02.05			
10	ST. LUC	iP	20.06.24	c		
		iS	20.06.40			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUNE 11	TRIN	iP	03.31.54		0.75°	H: 03.31.44 E: 10.9°N 61.0°W Depth: About 50 km
	GREN	eP	03.32.03		1.42°	
	ST. VIN	eP eS	03.32.15 03.32.38		2.30°	
	ST. LUC	eP eS	03.32.(31) 03.32.(53)		3.13°	
12	GREN	eP	11.59.11		23.0°	USCGS Gives H: 11.54.04 E: 7½°N 84½°W
	ST. LUC	eP	11.59.18		24.0°	
	ST. VIN	eP	11.59.18		24.0°	
12	ST. VIN	eP	21.05.55		88.8°	USCGS Gives H: 20.52.57 E: 53°N 167°W
13	TRIN	eP eS	09.29.04 09.29.11			Trinidad Region
13	TRIN	iP eS	14.26.08 14.26.18	d		Trinidad Region
14	TRIN	iP	06.02.36			Small
14	GREN	iP iS	12.49.05 12.49.19	d	1.32°	H: 12.48.47 E: 11.3°N 62.4°W Depth: About 100 km
	TRIN	iP iS	12.49.05 12.49.19		1.35°	
	ST. VIN	eP	12.49.18		2.33°	
14	TRIN	iP iS	18.13.22 18.13.33	d	1.32°	H: 18.13.04 E: 10.8°N 62.5°W Depth: About 100 km
	GREN	iP iS	18.13.27 18.13.42	d	1.71°	
	ST. VIN	eP	18.13.42		2.80°	
14	TRIN	iP iS	23.11.48 23.12.02			
15	ST. VIN	iP iS	07.31.29 07.31.40	c	1.05°	H: 07.31.15 E: 13.3°N 60.4°W Depth: About 75 km
	BARB	iP	07.31.33	c	1.07°	
	GREN	iP iS	07.31.40 07.31.59	d	1.88°	
15	TRIN	iP iS	09.42.29 09.42.40			Trinidad Region
	GREN	eP eS	09.42.37 09.42.54			
15	BARB	eP e	18.13.56 18.14.21			
	ST. VIN	eP eS	18.14.12 18.14.38			
17	TRIN	eP eS	13.55.18 13.55.30			Trinidad Region
18	ST. VIN	eP eS	07.46.23 07.46.35			South Windwards Region
19	TRIN	eP	01.27.01			
19	GREN	eP	22.06.(39)			
	ST. VIN	eP	22.06.57			
	ST. LUC	eP	22.07.11			

DATE 1958	STATION	PHASE	TIME G.M.T	MOTION	DISTANCE	
JUNE 20	TRIN	iP	17.02.32	d	1.20°	H: 17.02.16
		iS	17.02.44			E: 10.7°N 62.0°W
						Depth : About 125 km
	GREN	iP	17.02.40		1.79°	
		iS	17.02.58			
	ST. VIN	eP	17.02.54		2.83°	
20	TRIN	iP	17.25.51	d		Trinidad Region
		iS	17.25.59			
21	ST. LUC	eP	12.04.59			
		eS	12.05.19			
21	TRIN	eP	16.20.00			
		e	16.20.16			
	GREN	eP	16.20.02			
22	ST. VIN	eP	00.45.43			South Windwards Region
		eS	00.45.56			
	BARB	eP	00.45.(49)			
22	GREN	iP	04.54.36		4.71°	H: 04.53.32
		eS	04.55.(30)			E: 10.9°N 66.4°W
	TRIN	eP	04.54.37		4.76°	
		i	04.54.39			
		eS	04.55.27			
	ST. VIN	iP	04.54.47	d	5.50°	
		eS	04.55.42			
		e	04.57.33			
23	TRIN	iP	07.57.51	c		Trinidad Region
		iS	07.38.01			
23	GREN	iP	20.22.25			
23	GREN	iP	21.42.26			
25	TRIN	iP	05.15.48			Trinidad Region
		iS	05.15.59			
25	GREN	eP'	09.56.29		152.5°	USCGS Gives H: 09.36.30
						F: 3°S 144½°E
	ST. VIN	eP'	09.56.31		152.5°	
		e	09.56.38			
	ST. LUC	eP'	09.56.32		152.6°	
	BARB	eP'	09.56.35		154.2°	
		e	09.56.55			
25	ST. VIN	eP'	13.03.36		146.0°	USCGS Gives H: 12.43.55
						E: 5°S 152°E
	ST. LUC	eP'	13.03.40		146.2°	
	TRIN	eP'	13.03.40		146.4°	
	BARB	eP'	13.03.(48)		147.8°	
25	ST. LUC	eP	14.27.37			
		iS	14.28.01			
	ST. VIN	iP	14.27.45			
		e	14.28.18			
26	ST. LUC	eP	09.40.10			
26	ST. LUC	iP	16.34.15			
		iS	16.34.33			
	ST. VIN	eP	16.34.28			
		e	16.34.55			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JUNE 27	ØREN	eP	05.49.49		26.0°	USCGS Gives H: 05.44.28 E: 13°N 88½°W Depth: About 60 km
	TRIN	eP	05.50.02		26.2°	
		e	05.53.28			
		e	05.57.04			
	ST. LUC	eP	05.50.06		26.7°	
	ST. VIN	eP	05.50.07		26.4°	
		e	05.50.27			
	BARB	eP	05.50.24		28.2°	
27	TRIN	iP	16.09.08			
		iS	16.09.22			
28	TRIN	iP	06.28.49	c		Trinidad Region
		iS	06.28.55			
29	TRIN	iP	00.38.46			Trinidad Region
		iS	00.38.52			
29	TRIN	eP	03.31.23		27.6°	USCGS Gives H: 03.25.42 E: 15½°S 70½°W Depth: About 150 km
	ST. VIN	eP	03.31.31		30.0°	
		iP	03.31.42			
	BARB	eP	03.31.51		31.5°	Small
29	TRIN	eP	09.08.57			
		iS	09.09.15			
29	ST. VIN	eP	11.39.58			
		eS	11.40.29			
30	ST. VIN	iP	08.54.50	c	81.5°	USCGS Gives H: 08.42.33 E: 36½°N 27½°E
	TRIN	eP	08.55.00		83.4°	
30	TRIN	eP	16.48.54			
		iS	16.49.14			
	ST. VIN	eP	16.49.14			



^ Epicentres of 26.5.58

Volcanological Research Department,

Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, T. W. I.

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Seismological Bulletin.

STATIONS REPORTING.

TRINIDAD	(TRIN)*	LAT.	10° 44.7' N.	Long.	61° 33.8	W	Elev.		227m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7' N	Long.	61° 44.1'	W	Elev.	c	30m.a.s.l.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	Long.	61° 15.5'	W	Elev.	c	10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	Long.	61° 00.5'	W	Elev.	c	30m.a.s.l.
BARBADOS	(BARB)	LAT.	13° 07.4' N	Long.	59° 35.6'	W.	Elev.	c	70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7' N	Long.	61° 23.5'	W.	Elev.	c	40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6' N	Long.	61° 50.1'	W.	Elev.	c	27m.a.s.l.

EQUIPMENT.

All stations are equipped with Willmore Vertical seismometers and recorders, with the following characteristics.

Seismometer period.....1.0 secs.

Galvanometer period.....0.25 secs.

Velocity Sensitivity (maximum) 1450cms/cm/sec.

Magnification (maximum).....30,000.

The sensitivities at the stations are varied to suit local conditions and the maximum values given above should be multiplied by the following factors: Trinidad 1/10th; Grenada, St. Vincent, St. Lucia, Barbados, Dominica, Antigua, 1/3rd

The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

*On January 1st 1955, the Trinidad station was moved from -

Lat. 10° 40' 11" N Long. 61° 31' 12" W. Elev. c 34m.a.s.l. to -

Lat. 10° 44.7' N Long. 61° 33.8' W Elev. 227m.a.s.l.

DATE	STATION	PHASE	TIME G.M.T	MOTION	DISTANCE	
1958 JULY 1	TRIN	iP	00.06.42			Trinidad Region
		iS	00.06.49			
2	TRIN	eP	21.40.(26)			
		iS	21.40.47			
	ST. VIN	e	21.40.39			
	ST. LUC	eP	21.40.(59)			
		e	21.41.37			
3	ST. LUC	iP	12.08.20			
		iS	12.08.41			
	ST. VIN	eP	12.08.30			
		iS	12.08.58			
3	TRIN	iP	14.12.12		1.46°	H: 14.11.52 E: 10.3°N 61.9°W Depth: About 150 km
	ST. VIN	eP	14.12.36		3.24°	
		eS	14.13.14			
	ST. LUC	eP	14.12.47		4.06°	
		eS	14.13.28			
7	BARB	iP	20.23.53		0.58°	H: 20.23.41 E: 13.3°N 59.3°W Depth: About 50 km
	ST. VIN	iP	20.24.08		1.99°	
		iS	20.24.30			
	DOM	iP	20.24.20	c	2.86°	
		iS	20.24.49			
7	TRIN	iP	22.44.09			Trinidad Region
		iS	22.44.20			
8	TRIN	eP	05.35.40			
		e	05.35.50			
9	TRIN	iP	23.51.06	c		Trinidad Region
		iS	23.51.13			
10	ST. LUC	eP	06.27.(06)		70.1°	USCGS Gives H: 06.15.54 E: 58½°N 136°W
		e	06.27.23			
		e(PcP)	06.27.31			
		e	06.30.17			
		L	06.52			
	ST. VIN	eP	06.27.(13)		70.6°	
		e	06.27.27			
		e(PcP)	06.27.36			
		e	06.30.27			
		L	06.44			
	BARB	eP	06.27.27		71.9°	
	TRIN	eP	06.27.29		72.7°	
10	TRIN	iP	10.28.28	d	0.83°	H: 10.28.17 E: 10.7°N 62.4°W
		iS	10.28.36			
	ST. VIN	iP	10.28.54	d	2.74°	
		eS	10.29.16			
	ST. LUC	eP	10.29.06		3.63°	
		eS	10.29.43			
11	TRIN	eP	19.16.59		32.5°	USCGS Gives H: 19.10.20 E: 21°S 69°W
	ST. VIN	iP	19.17.17		35.2°	
		i	19.17.45			
	BARB	eP	19.17.(18)		35.5°	
12	BARB	eP	03.48.04			
	ST. VIN	iP	03.48.12			
		iS	03.48.30			
12	TRIN	iP	08.31.30	d		Trinidad Region
		iS	08.31.37			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JULY 12	TRIN	iP	12.24.30			
		iS	12.24.52			
	ST. VIN	eP	12.24.33			
		eS	12.24.59			
14	TRIN	eP	08.20.11			
	ST. VIN	eP	08.20.18			
		eS	08.20.39			
14	ST. VIN	iP	12.34.24	d		
		eS	12.34.40			
14	TRIN	iP	13.49.11	d		Trinidad Region
		iS	13.49.22			
	GREN	eP	13.49.(17)			
		eS	13.49.32			
15	TRIN	iP	12.55.38			Trinidad Region
		iS	12.55.48			
	GREN	eP	12.55.(47)			
		eS	12.56.06			
17	ST. VIN	eP	06.49.00			
18	ST. VIN	iP	00.36.01	c		
		iS	00.36.33			
18	ST. VIN	eP	01.52.39		24.0°	USCGS Gives H: 01.47.21 E: 4°S 78°W Depth: About 100 km
		eS	01.57.(03)			
	BARB	eP	01.52.53		25.1°	
18	ST. VIN	eP	20.20.09			
		eS	20.20.24			
20	GREN	eP	11.52.01		44.4°	USCGS Gives H: 11.43.57 E: 31½°S 71°W
	ST. VIN	eP	11.52.08		45.8°	
21	ST. VIN	eP	14.50.47		95.4°	USCGS Gices H: 14.37.18 E: 51½°N 178°W
21	GREN	iP	19.41.30			
		iS	19.41.46			
22	ST. VIN	eP	15.17.06			
		e	15.17.27			
24	TRIN	iP	03.58.29	c		Trinidad Region
		iS	03.58.35			
26	TRIN	eP	17.41.56		25.2°	USCGS Gives H: 17.37.09 E: 13½°S 69°W Depth: About 650 km
		iP	17.41.57			
	GREN	eP	17.42.04		26.2°	
		iP	17.42.05			
	ST. VIN	eP	17.42.13		27.9°	
		iP	17.42.14			
		iS	17.46.13			
	BARB	iP	17.42.(23)		28.2°	
	DOM	eP	17.42.30		29.8°	
		iP	17.42.31			
		i	17.44.00			
26	GREN	eP	18.09.36			
		e	18.11.13			
	ST. VIN	eP	18.09.39			
		e	18.11.41			
26	DOM	iP	18.14.33			
	TRIN	eP	18.14.39			
26	DOM	iP	21.52.01	d		
		iS	21.52.31			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
JULY 26	TRIN	eP	23.09.02			Trinidad Region
		iS	23.09.11			
27	DOM	eP	05.06.(45)			
		iS	05.06.56			
	ST. VIN	eP	05.06.49			
		eS	05.07.08			
27	DOM	e	06.23.41			"T" Phase or Volcanic Shock
		i	06.23.48			
27	DOM	i	06.26.02			"T" Phase or Volcanic Shock
		i	06.26.11			
27	DOM	e	06.27.23			"T" Phase or Volcanic Shock
		i	06.27.26			
27	DOM	e	06.29.33			"T" Phase or Volcanic Shock
		i	06.29.35			
27	DOM	i	06.32.01			"T" Phase or Volcanic Shock
		i	06.32.07			
27	TRIN	eP	08.31.13			Trinidad Region
		iS	08.31.22			
27	DOM	iP	17.38.32		1.36°	H: 17.38.14
		iS	17.38.46			E: 15.2°N 61.4°W
						Depth: About 150 km
	ST. VIN	iP	17.38.46		2.40°	
		eS	17.39.13			
	BARB	iP	17.38.58		3.00°	
28	TRIN	iP	10.47.59	c		Trinidad Region
		iS	10.48.12			
	GREN	iP	10.48.07			
		iS	10.48.27			
28	TRIN	eP	11.30.12			Trinidad Region
		iS	11.30.20			
28	ST. VIN	iP	18.48.38			
		iS	18.49.04			
29	TRIN	iP	02.46.09		1.08°	H: 02.45.56
		iS	02.46.21			E: 10.4°N 62.1°W
						Depth: About 100 km
	GREN	eP	02.46.20		1.88°	
		iS	02.46.36			
	ST. VIN	eP	02.46.35		2.99°	
		eS	02.47.10			
29	ST. VIN	eP	10.30.51			
	BARB	iP	10.31.12			
29	ST. VIN	eP	21.44.23		35.8°	USCGS Gives H: 21.37.25
						E: 4°N 26½°W
	GREN	eP	21.44.27		36.0°	
29	ST. VIN	eP	22.58.(14)			
		e	22.58.34			
30	TRIN	iP	13.58.57	c		
		iS	13.59.11			
30	TRIN	eP	22.27.22			
		iS	22.27.39			

Volcanological Research Department,

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Trinidad, T. W. I.

Seismological Bulletin.

STATIONS REPORTING.

TRINIDAD	(TRIN)*	LAT.	10° 44.7' N	Long.	61° 33.8 W	Elev.		227m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7' N	Long.	61° 44.1' W	Elev.	c	30m.a.s.l.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	Long.	61° 15.5' W	Elev.	c	10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	Long.	61° 00.5' W	Elev.	c	30m.a.s.l.
BARBADOS	(BARB)	LAT.	13° 07.4' N	Long.	59° 35.6' W.	Elev.	c	70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7' N	Long.	61° 23.5' W.	Elev.	c	40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6' N	Long.	61° 50.1' W.	Elev.	c	27m.a.s.l.

EQUIPMENT.

All stations are equipped with Willmore Vertical seismometers and recorders, with the following characteristics.

Seismometer period.....1.0 secs.

Galvanometer period.....0.25 secs.

Velocity Sensitivity (maximum) 1450cms/cm/sec.

Magnification (maximum).....30,000.

The sensitivities at the stations are varied to suit local conditions and the maximum values given above should be multiplied by the following factors: Trinidad 1/10th; Grenada, St. Vincent, St. Lucia, Barbados, Dominica, Antigua, 1/3rd

The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

*On January 1st 1955, the Trinidad station was moved from -

Lat. 10° 40' 11" N Long. 61° 31' 12" W. Elev. c 34m.a.s.l. to -

Lat. 10° 44.7' N Long. 61° 33.8' W Elev. 227m.a.s.l.

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
AUG 1	TRIN	iP	00.15.53	d		Trinidad Region
		iS	00.15.59			
1	TRIN	eP	02.40.04			Trinidad Region
		iS	02.40.08			
	GREN	eP	02.40.11			
	ST. LUC	i	02.40.32			
1	TRIN	eP	05.42.54			Trinidad Region
		iS	05.43.00			
	GREN	eP	05.43.(18)			
1	TRIN	eP	06.14.38			
	GREN	eP	06.14.(53)			
		i	06.15.15			
2	TRIN	eP	16.56.11			
2	ST. LUC	iP	18.28.07	d		
		iS	18.28.17			
	ST. VIN	eP	18.28.17			
		eS	18.28.33			
2	ST. LUC	eP	19.02.34			South Windwards Region
	ST. VIN	eP	19.02.55			
		iS	19.03.07			
3	TRIN	eP'	01.24.14		119.0°	USCGS Gives H: 01.06.24 E: 21½°S 179°W Depth: About 550 km
4	TRIN	eP'	04.33.12		167.7°	Very Small USCGS Gives H: 04.13.19 E: 6°S 130°E Depth: About 150 km
	ST. VIN	eP'2	04.34.16		166.5°	
	DOM	eP'	04.33.20		165.5°	
4	TRIN	iP	11.00.23			Trinidad Region
		iS	11.00.35			
	GREN	iP	11.00.28			
		iS	11.00.43			
4	TRIN	iP	23.35.27		1.02°	H: 23.35.13 E: 10.8°N 62.6°W
		iS	23.35.35			
	GREN	eP	23.35.34		1.54°	
		iS	23.35.48			
	ST. VIN	eP	23.35.50		2.73°	
		eS	23.36.16			
5	ST. VIN	eP	13.17.57			
		eS	13.18.18			
5	ST. VIN	eP	18.26.53			South Windward Region
		eS	18.27.05			
6	TRIN	iP	07.46.35		1.85°	H: 07.46.10 E: 8.9°N 61.4°W
	GREN	eP	07.46.53		3.17°	
		i	07.47.22			
	ST. VIN	eP	07.47.09		4.28°	
		iS	07.47.52			
	BARB	eP	07.47.16		4.58°	
6	TRIN	eP	09.57.38		35.5°	USCGS Gives H: 09.51.24 E: 24½°S 63°W Depth: About 550 km
		e	10.02.50			
	GREN	iP	09.57.48		36.5°	
	ST. VIN	eP	09.58.01		38.0°	
		eS	10.03.07			

DATE 1958	STATION	PHASE	TIME G.M.T	MOTION	DISTANCE	
AUG 6	ST. VIN	eP	21.21.56			
7	DOM	iP	10.18.03			
7	GREN	eP	18.51.35			
		iS	18.51.53			
	ST. VIN	eP	18.51.36			
		e	18.52.21			
7	GREN	eP	22.34.08			
		iS	22.34.21			
8	GREN	iP	06.58.27	d		
		iS	06.59.56			
	ST. VIN	eP	06.58.36			
		iS	06.59.13			
9	BARB	iP	14.26.(11)		1.57°	H: 14.25.46 E: 11.7°N 59.0°W
	ST. VIN	iP	14.26.22	c	2.67°	
	GREN	iP	14.26.(32)	d	2.69°	
	DOM	iP	14.26.45		4.31°	
		iS	14.27.(24)			
10	BARB	eP	06.00.48		1.00°	H: 06.00.31 E: 12.4°N 59.4°W Depth: About 75 km
	ST. VIN	iP	06.00.58	c	2.06°	
		iS	06.01.18			
	ST. LUC	iP	06.01.03		2.33°	
		iS	06.01.25			
	GREN	iP	06.01.(06)	d	2.39°	
		iS	06.01.(30)			
	TRIN	eP	06.01.09		2.76°	
		iS	06.01.39			
10	TRIN	eP	19.36.30			
		e	19.36.50			
11	ST. VIN	eP	09.54.55			
		i	09.55.46			
12	ST. LUC	iP	09.02.29			
		iS	09.02.45			
	ST. VIN	eP	09.02.41			
		eS	09.03.05			
12	ST. VIN	iP	11.47.03	c	2.31°	H: 11.46.32 E: 15.0°N 61.1°W Depth: About 150 km
		iS	11.47.27			
	BARB	iP	11.47.13		2.75°	
		i	11.47.36			
	TRIN	eP	11.47.(34)			
12	ST. LUC	eP'	19.45.08		164.3°	USCGS Gives H: 19.25.05 E: 0° 126½°E
		eP'2	19.46.07			
	ST. VIN	eP'	19.45.16		164.8°	
		eP'2	19.46.12			
	TRIN	eP'	19.45.(20)		166.5°	
		eP'2	19.46.17			
	BARB	e	19.45.(35)		165.5°	
12	GREN	eP'	23.31.50		146.2°	USCGS Gives H: 23.12.17 E: 6°S 152°E Depth: About 100 km
	ST. VIN	eP'	23.31.51		146.3°	
		e	23.32.01			
	ST. LUC	eP'	23.31.52		146.5°	
	TRIN	eP'	23.31.53		146.4°	
	BARB	eP'	23.31.57		148.2°	

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
AUG 13	GREN	eP'	00.31.09		145.8°	USCGS Gives H: 00.11.28 E: 6°S 152°E
		e	00.31.49			
	ST. VIN	eP'	00.31.10		145.7°	
		e	00.31.51			
		e	00.32.00			
	ST. LUC	eP'	00.31.11		146.0°	
		e	00.31.51			
	TRIN	eP'	00.31.13		145.8°	
		e	00.31.53			
	BARB	eP'	00.31.18		147.5°	
		e	00.31.59			
13	ST. LUC	eP'	04.10.(33)		164.2°	Small USCGS Gives H: 03.50.35 E: ½°N 126°E
13	ST. LUC	eP	10.22.(15)		145.5°	Small USCGS Gives H: 10.02.49 E: 6°S 153°E
13	TRIN	iP	12.32.59			Trinidad Region
		iS	12.33.11			
	ST. VIN	eP	12.33.21			
		eS	12.33.51			
13	TRIN	e	22.16.46		144.2°	Felt: Rabaul USCGS Gives H: 21.56.31 E: 4½°S 154°E Depth: About 200 km
14	ST. LUC	eP	15.08.30		93.0°	USCGS Gives H: 14.55.10 E: 52°N 175°W
	ST. VIN	eP	15.08.32		93.5°	
		e	15.08.46			
	TRIN	eP	15.08.40		95.5°	Very Small
15	BARB	iP	00.22.59	c	1.85°	H: 00.22.30 E: 12.1°N 58.2°W Depth: About 75 km
		iS	00.23.18			
	ST. VIN	iP	00.23.15	c	3.28°	
		iS	00.23.54			
	GREN	iP	00.23.18		3.57°	
	ST. LUC	iP	00.23.20		3.44°	
		iS	00.23.59			
	TRIN	iP	00.23.20		3.66°	
	DOM	iP	00.23.(41)		4.53°	
		iS	00.24.(30)			
15	ST. VIN	eP'	02.46.39		147.8°	USCGS Gives H: 02.26.51 E: 6°S 150½°E
	GREN	eP'	02.46.(41)		147.5°	
	ST. LUC	eP'	02.46.42		148.0°	
	DOM	eP'	02.46.(50)		147.3°	
15	GREN	iP	03.02.19			
		iS	03.02.35			
	ST. VIN	eP	03.02.35			
		eS	03.03.(08)			
15	GREN	eP	06.23.43		12.2°	Felt: Northern Columbia USCGS Gives H: 06.20.53 E: 7°N 73°W Depth: About 200 km
		i	06.23.51			
		e	06.26.17			
	ST. VIN	iP	06.23.54		13.0°	
		i	06.24.00			
	DOM	eP	06.24.01		14.0°	
		i	06.24.11			
		e	06.26.57			
	ST. LUC	eP	06.24.02		13.8°	
	BARB	eP	06.24.15		14.5°	

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
AUG 15	ST. VIN	eP'	22.48.(54)		164.0°	USCGS Gives H: 22.29.17 E: 1½°N 125°E Depth: About 200 km
	BARB	eP'	22.49.(02)		165.0°	
	GREN	eP'	22.49.14		163.7°	
16	ST. VIN	eP e	13.31.18 13.31.33		94.2°	USCGS Gives H: 13.17.52 E: 51½°N 176°W
16	GREN	e	15.53.33			
	ST. VIN	e	15.53.44			
17	ST. VIN	eP	09.22.00		94.2°	USCGS Gives H: 09.08.35 E: 51½°N 176°W
17	BARB	e	11.51.04			Very Small
	ST. VIN	e	11.51.07			Very Small
17	DOM	eP	15.16.31			
	ST. VIN	eP	15.16.56			
17	ST. VIN	eP'	18.21.02		151.5°	USCGS Gives H: 18.01.05 E: 3°S 145½°E
18	GREN	eP	10.20.27		16.3°	USCGS Gives H: 10.16.40 E: 7½°N 78°W
	TRIN	eP	10.20.30		16.4°	Very Small
	ST. VIN	eP	10.20.40		17.4°	
	BARB	eP	10.21.10		19.0°	
18	TRIN	eP	23.31.40			Very Small
	GREN	i	23.31.49			
	ST. VIN	eP	23.31.59			
	BARB	eP	23.32.12			
	DOM	eP	23.32.13			Small
19	ST. VIN	eP'	22.07.55		147.3°	USCGS Gives H: 21.48.07 E: 1°S 149½°E
	TRIN	eP'	22.07.(58)		147.8°	
20	ST. VIN	eP	14.36.43			
21	ST. VIN	eP	00.19.08		33.6°	USCGS Gives H: 00.12.53 E: 20°S 65°W Depth: About 300 km
	DOM	eP	00.19.(26)		34.5°	
22	ST. VIN	e(P')	22.36.19		149.3°	USCGS Gives H: 22.16.56 E: 6°S 149°E Depth: About 250 km
23	ST. VIN	eP	10.19.00			
23	TRIN	iP iS	22.50.12 22.50.25	d	1.19°	H: 22.49.56 E: 10.7°N 62.0°W Depth: About 125 km
	GREN	iP iS	22.50.20 22.50.38		1.79°	
	ST. VIN	eP	22.50.34		2.82°	
24	GREN	iP iS	17.10.22 17.10.37			
	ST. VIN	eP eS	17.10.35 17.11.04			
24	BARB	iP	21.33.04			
	ST. VIN	eP eS	21.33.28 21.33.49			
	GREN	eP	21.33.41			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
AUG 24	BARB	iP	22.24.48			
25	DOM	iP	01.23.23			
		iS	01.23.33			
	ST. VIN	iP	01.23.53			
25	DOM	iP	05.21.45			
		iS	05.22.35			
	ST. LUC	iP	05.22.02			
		iS	05.23.08			
	ST. VIN	eP	05.22.15			
	BARB	eP	05.22.22			
27	GREN	iP	06.15.(50)			
		iS	06.16.(01)			
27	ST. VIN	eP	15.28.(23)		75.6°	USCGS Gives H: 15.16.35 E: 38°N 20½°E
	GREN	eP	15.28.(29)		76.6°	Small
27	ST. VIN	eP	19.48.35			
		eS	19.48.52			
28	ST. VIN	eP	12.34.09			
28	ST. VIN	eP	17.23.32			
	ST. LUC	eP	17.23.38			
29	TRIN	eP	01.16.49			
	ST. LUC	eP	01.16.53			
	ST. VIN	eP	01.17.04			
29	BARB	eP	02.29.00			
		e	02.39.17			
	ST. LUC	eP	02.29.12			
		iP	02.29.13			
		e	02.40.15			
		i	02.40.45			
	DOM	eP	02.29.(14)			Small
		e	02.40.30			
		i	02.41.03			
	ST. VIN	eP	02.29.20			
		iP	02.29.21			
		e	02.41.03			
29	ST. VIN	eP	09.13.14			
29	TRIN	eP	16.16.49		1.93°	H: 16.16.23 E: 10.6°N 63.0°W Depth: About 150 km
	GREN	iP	16.16.54		2.29°	
	ST. VIN	eP	16.17.08		3.32°	
		eS	16.17.41			
		MT	16.19.43			
	ST. LUC	iP	16.17.19		4.12°	
		iS	16.17.58			
	BARB	eP	16.17.(30)		4.36°	
30	BARB	eP	22.38.(55)			
	ST. VIN	eP	22.39.03			
		eS	22.39.36			
31	GREN	iP	15.24.45			
		iS	15.25.02			
	ST. VIN	iP	15.24.59	d		
		iS	15.25.33			
31	ST. VIN	eP	23.11.58		75.2°	USCGS Gives H: 23.00.16 E: 63°N 144½°W

Volcanological Research Department,

Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, T. W. I.

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- SEP 1958

Seismological Bulletin.

Position for Trinidad
changes 1-9-58

STATIONS REPORTING.

TRINIDAD	(TRIN)*	LAT.	10° 44.7' N.	Long.	61° 33.8	W	Elev.		227m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7' N	Long.	61° 44.1'	W	Elev.	c	30m.a.s.l.
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	Long.	61° 15.5'	W	Elev.	c	10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	Long.	61° 00.5'	W	Elev.	c	30m.a.s.l.
BARBADOS	(BARB)	LAT.	13° 07.4' N	Long.	59° 35.6'	W.	Elev.	c	70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7' N	Long.	61° 23.5'	W.	Elev.	c	40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6' N	Long.	61° 50.1'	W.	Elev.	c	27m.a.s.l.

EQUIPMENT.

All stations are equipped with Willmore Vertical seismometers and recorders, with the following characteristics.

Seismometer period.....1.0 secs.

Galvanometer period.....0.25 secs.

Velocity Sensitivity (maximum) 1450cms/cm/sec.

Magnification (maximum).....30,000.

The sensitivities at the stations are varied to suit local conditions and the maximum values given above should be multiplied by the following factors: Trinidad 1/10th; Grenada, St. Vincent, St. Lucia, Barbados, Dominica, Antigua, 1/3rd

The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

*On January 1st 1955, the Trinidad station was moved from -

Lat. 10° 40' 11" N Long. 61° 31' 12" W. Elev. c 34m.a.s.l. to -

Lat. 10° 44.7' N Long. 61° 33.8' W Elev. 227m.a.s.l.

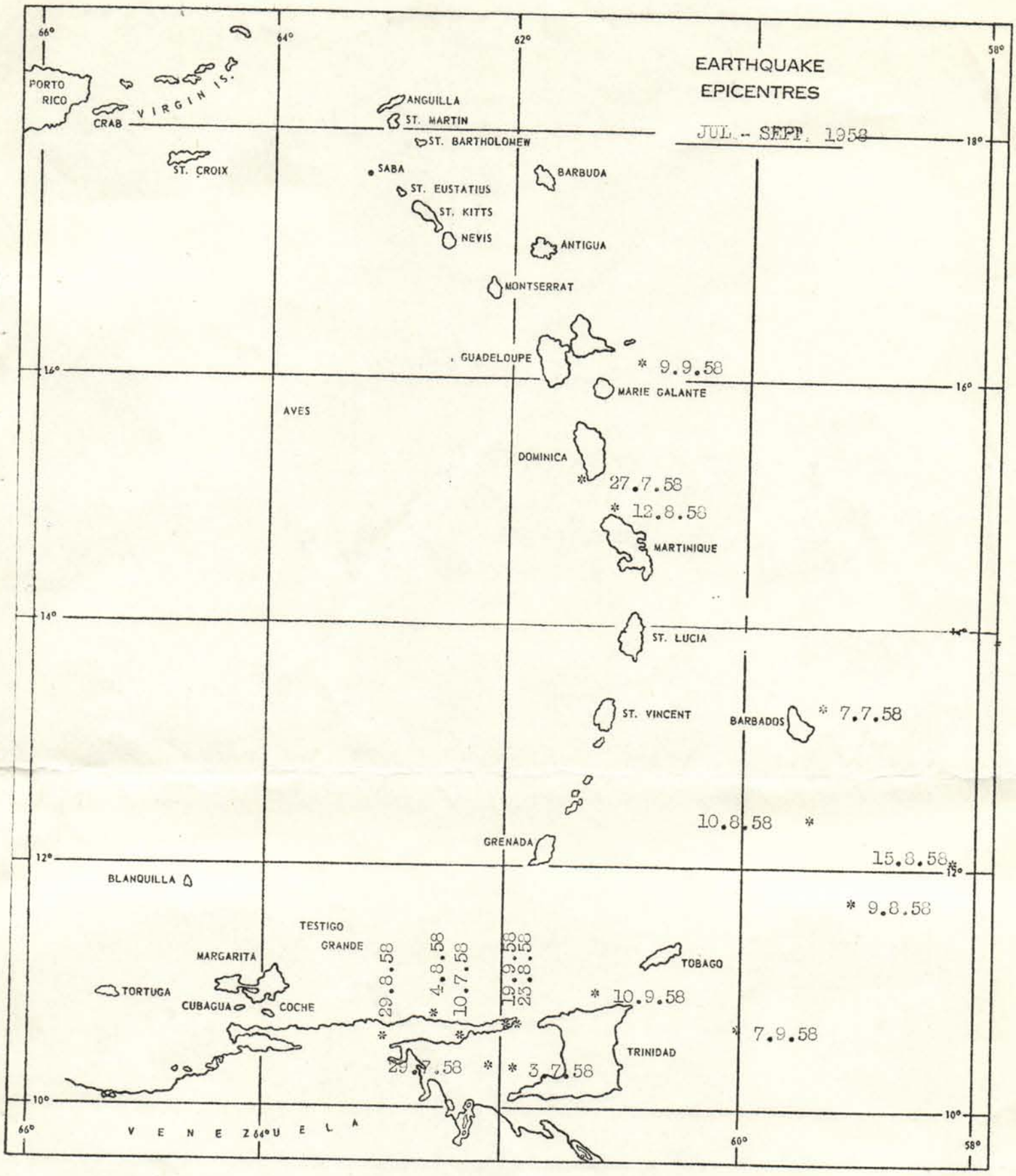
10·74 61·56

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
SEPT 3	GREN	eP	01.01.31			
		iS	01.01.47			
3	TRIN	iP	03.33.42			Trinidad Region
		iS	03.33.47			
	GREN	iP	03.33.56			
3	BARB	eP	03.52.(38)		43.2°	USCGS Gives H: 03.44.24
	TRIN	eP	03.52.40		45.0°	E: 0° 18°W
	ST. VIN	eP	03.52.45		44.8°	Small
	GREN	eP	03.52.46		45.2°	Small
	DOM	eP	03.52.49		45.7°	
3	DOM	e	04.37.05			
	ST. VIN	e	04.40.37			Small
	GREN	i	04.40.59			
4	TRIN	eP	21.59.32		44.8°	Felt: Volcan and San José
	GREN	eP	21.59.39		46.0°	USCGS Gives H: 21.51.08
		e	22.00.55			E: 33½°S 69½°W
	ST. VIN	eP	21.59.49		47.5°	
		e	22.03.49			
	DOM	eP	22.00.07		49.5°	
4	GREN	eP	23.53.(32)			
		iS	23.53.49			
5	GREN	eP	10.45.36			
		iS	10.45.49			
5	GREN	eP	11.14.00			
		i	11.14.25			
6	TRIN	eP	07.34.46			Very Small
	GREN	eP	07.34.49			Small
7	TRIN	eP	02.51.(08)		11.7°	Small
		i(PP)	02.51.13			USCGS Gives H: 02.48.14
		e	02.53.34			E: 7°N 73°W
	GREN	eP	02.51.08		12.0°	Depth: About 150 km
7	TRIN	iP	22.55.51		1.56°	H: 22.55.30
		iS	22.56.06			E: 11.1°N 60.0°W
	GREN	iP	22.55.56		1.91°	
		i	22.56.11			
		iS	22.56.15			
	ST. VIN	eP	22.56.(02)		2.39°	
		e	22.56.31			
8	ST. VIN	eP	06.54.34			
		e	06.55.15			
	GREN	eP	06.55.00			Very Small
	TRIN	eP	06.55.25			Very Small
		e	06.56.32			Small
8	GREN	eP	22.33.26		46.5°	Very Small
						USCGS Gives H: 22.24.55
						E: 34°S 70°W
9	TRIN	iP	04.13.33			Trinidad Region
		iS	04.13.42			
	GREN	eP	04.13.42			
		iS	04.13.57			
9	DOM	iP	05.17.53	c	1.80°	H: 05.17.29
	ST. VIN	iP	05.18.13	c	3.29°	E: 16.1°N 60.9°W
		iS	05.18.49			Depth: About 175 km
	BARB	iP	05.18.21	d	3.56°	
	GREN	iP	05.18.28		4.37°	
		iS	05.19.14			
	TRIN	eP	05.18.(47)		5.56°	
		e	05.19.41			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
SEPT 10	TRIN	iP	07.59.21	d	1.00°	H: 07.59.07
		iS	07.59.30			E: 11.0°N 61.2°W
	GREN	eP	07.59.28		1.52°	Depth: About 100 km
		iS	07.59.(37)			
	ST. VIN	eP	07.59.40		2.39°	
		eS	08.00.06			
11	GREN	e	01.08.(16)			Very Small
12	GREN	iP	03.29.46	d		
		iS	03.30.01			
	ST. VIN	eP	03.30.01			
		eS	03.30.25			
12	GREN	iP	10.57.20			
		iS	10.57.30			
	ST. VIN	eP	10.57.(31)			
		eS	10.57.51			
15	ST. VIN	eP	02.03.40			
15	TRIN	eP	05.06.25			Small
	GREN	eP	05.06.28			Small
15	GREN	iP	08.24.46	c		
		iS	08.25.02			
	ST. VIN	eP	08.25.08			
15	BARB	eP'	20.04.29		164.5°	USCGS Gives H: 19.45.40
	DOM	iP'	20.04.39		162.0°	E: 2½°N 120½°E
		e	20.08.04			Depth: About 600 km
	TRIN	eP'	20.04.44		166.5°	
		eP'$_2$	20.05.49			
16	TRIN	iP	18.58.40	c		
		iS	18.58.54			
	GREN	iP	18.58.40			
		iS	18.58.57			
16	BARB	eP	22.52.13			Small
	GREN	e	22.52.49			Small
16	BARB	eP	23.03.45			Small
18	TRIN	e	03.46.59			USCGS Gives H: 03.35.32
	GREN	eP	03.47.07			E: Sandwich Islands Region
						Very Small
18	BARB	eP	15.21.08			
18	TRIN	iP	15.50.12			Trinidad Region
		iS	15.50.24			
18	GREN	eP	21.30.(30)		28.2°	Very Small
						USCGS Gives H: 21.24.42
						E: 9½°S 80°W
18	GREN	iP	22.49.14			
	BARB	iP	22 .49.43	d		
19	GREN	iP	12.45.26	d		
		iS	12.45.37			
	ST. VIN	eP	12.45.36			
		iS	12.46.51			
19	DOM	iP	14.34.13			
19	DOM	iP	15.21.13			North Windwards Region
		iS	15.21.21			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
SEPT 19	TRIN	iP	21.41.38		1.18°	H: 21.41.22
		iS	21.41.48			E: 10.8°N 61.9°W
	GREN	iP	21.41.45	d	1.68°	Depth: About 125 km
		iS	21.42.00			
	BARB	iP	21.42.13		3.45°	
		i	21.44.21			
20	TRIN	eP	02.35.24			Trinidad Region
		iS	02.35.36			
	GREN	eP	02.35.29			
		iS	02.35.46			
20	TRIN	eP	06.37.16			
	GREN	eP	06.37.20			
		eS	06.37.37			
20	BARB	iP	10.37.11	c	13.5°	USCGS Gives H: 10.34.00
	GREN	eP	10.37.40		15.9°	E: 15½°N 46°W
	DOM	iP	10.37.(41)		15.3°	
	TRIN	iP	10.37.41		16.0°	
20	DOM	iP	10.52.(04)			
		iS	10.52.48			
20	GREN	eP'	17.28.55		144.0°	Very Small
	TRIN	iP'	17.29.03		144.0°	USCGS Gives H: 17.09.24
	BARB	iP'	17.29.04	d	145.8°	E: 6½°S 154½°E
	ST. VIN	iP'	17.29.05	d	144.2°	
20	ST. VIN	eP	19.21.21			
21	ST. VIN	eP	14.08.59			
22	TRIN	iP	05.45.02			
		iS	05.45.18			
	ST. VIN	eP	05.45.21			
		eS	05.45.49			
	DOM	e	05.45.(53)			
22	TRIN	eP	07.00.(51)			
		i	07.00.56			
	ST. VIN	eP	07.00.52			
	DOM	e	07.01.(23)			
22	ST. VIN	e	08.55.(53)		132.2°	Very Small
		e	08.58.49			Very Small
						USCGS Gives H: 08.37.06
						E: 28°N 144°E
						Depth: About 100 km
	DOM	e(P')	08.55.55		130.3°	Small
		e	08.58.47			Small
23	ST. VIN	eP	23.04.20			
		eS	23.04.38			
24	GREN	iP	11.35.22			
		iS	11.35.39			
	ST. VIN	eP	11.35.37			
		eS	11.36.11			
25	BARB	eP	07.24.42		20.2°	USCGS Gives H: 07.20.02
	TRIN	eP	07.24.57		22.0°	E: 9°N 39½°W
	ST. VIN	eP	07.24.59		22.0°	
	DOM	eP	07.25.03		22.5°	
		i	07.25.14			
	GREN	eP	07.25.(08)		22.3°	
25	BARB	eP	07.43.57			Small
		i	07.45.28			
		i	07.45.46			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
SEPT 25	ST. VIN	e	07.46.03			Small
		e	07.47.28			
	GREN	e	07.46.(27)			
		e	07.46.58			
	TRIN	e	07.46.(44)			Very Small
	DOM	e	07.47.22			
		i	07.48.17			
25	DOM	eP	07.56.59			USCGS Gives H: 07.55.10 E: Virgin Islands Region
	ST. VIN	eP	07.57.15			Small
		e	08.02.58			
	BARB	eP	07.57.36			Small
	TRIN	eP	07.57.52			
		e	07.58.10			
25	TRIN	eP	15.28.(43)			
	ST. VIN	eP	15.29.10			
		eS	15.29.57			
25	ST. VIN	eP	18.38.20			
25	ST. VIN	eP	22.36.18			
	GREN	eP	22.36.27			Very Small
	TRIN	eP	22.36.50			Small
25	ST. VIN	e	22.41.20			Small
27	BARB	eP	13.17.(45)			
	ST. VIN	eP	13.17.56			
27	ST. VIN	eP	15.29.28			
27	GREN	iP	18.36.42	c		
		iS	18.37.01			
	ST. VIN	iP	18.36.56	c		
		eS	18.37.29			
28	TRIN	iP	09.01.47			Trinidad Region
		iS	09.01.54			
29	ST. VIN	iP	07.56.49	c		
		i	07.58.21			
	BARB	e	07.57.09			
	TRIN	e	07.57.11			Very Small
		i	07.57.14			
		e	07.58.56			
29	ST. VIN	eP	18.51.10			South Windwards Region
		iS	18.51.23			
30	DOM	eP	09.13.29			
		iS	09.13.45			
	ST. VIN	eP	09.13.47			
		eS	09.14.12			
30	DOM	iP	10.23.51	c		
		iS	10.24.13			
	ST. VIN	iP	10.24.18	c		



Volcanological Research Department,

Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad T. W. I.

OCT. 1958

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Seismological Bulletin.

STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10° 39.0'	N	Long.	61° 24.1'	W.	Elev.		27m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7'	N	Long.	61° 44.1'	W.	Elev.	c.	30m.a.s.l
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2'	N	Long.	61° 15.5'	W.	Elev.	c.	10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7'	N	Long.	61° 00.5'	W.	Elev.	c.	30m.a.s.l
BARBADOS	(BARB)	LAT.	13° 07.4'	N	Long.	59° 35.6'	W.	Elev.	c.	70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7'	N	Long.	61° 23.5'	W.	Elev.	c.	40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6'	N	Long.	61° 50.1'	W.	Elev.	c.	27m.a.s.l.
ST. KITTS		LAT.	17° 20.3'	N	Long.	62° 43.7'	W			

EQUIPMENT

All stations are equiped with Willmore Vertical seismometers and recorders, with the following characteristics.

Seismometer period .....1.0 secs.

Galvanometer period.....0.25 secs.

Velocity Sensitivity (maximum) 1450 cms/cm/sec.

Magnification (maximum).....30,000

The sensitivities at the stations are varied to suit local conditions and the maximum values given above should be multiplied by the following factors: Trinidad 1/10th; Grenada, St. Vincent, St. Lucia, Barbados, Dominica, Antigua, 1/3rd.

The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

The Trinidad station has been operated at the following temporary sites:

From 1.4.53 to 1.1.55 at Lat. 10° 40.1' N Long. 61° 31.2' W and

from 1.1.55 to 1.9.58 at Lat. 10° 44.7' N. Long. 61° 33.8' W.

*Please note that the Trinidad station was removed to a permanent site at Lat. 10° 39.0' N Long. 61° 24.1' W., 27m.a.s.l. on 1.9.58.

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
OCT 1	ST. VIN	eP	00.30.07			
2	ST. VIN	eP	05.47.38			Small
		i	05.49.07			
	DOM	e	05.48.44			
		i	05.48.52			
		i	05.48.57			
2	GREN	iP	17.24.19	d		
	ST. VIN	eP	17.24.27			
		iS	17.24.48			
3	ST. VIN	e	18.59.(49)			Small
4	GREN	e	04.07.(19)			Very Small
	ST. VIN	eP	04.07.32			
4	DOM	iP	04.28.34			
		iS	04.28.58			
	ST. VIN	e	04.29.39			
4	ST. VIN	eP	16.01.18			
		e	16.02.02			
5	GREN	eP	04.53.42			
		iS	04.54.07			
	ST. VIN	eP	04.53.48			
		e	04.54.26			
6	TRIN	eP	08.06.05		1.42°	H: 08.05.46
	GREN	eP	08.06.(24)		2.67°	E: 9.6°N 60.8°W
		iS	08.06.51			
	ST. VIN	eP	08.06.(35)		3.63°	
7	DOM	iP	02.12.31	d	1.72°	H: 02.12.08
	ST. VIN	iP	02.12.50	c	3.15°	E: 15.9°N 61.0°W
		iS	02.13.20			Depth: About 175 km
	BARB	iP	02.12.59	c	3.49°	
	GREN	iP	02.13.02	c	4.22°	
		iS	02.13.46			
	TRIN	iP	02.13.21		5.41°	
		iS	02.14.13			
7	GREN	eP	04.00.18			
		iS	04.00.40			
	ST. VIN	eP	04.00.(35)			
7	GREN	eP	10.40.26		1.92°	H: 10.40.04
		eS	10.40.46			E: 12.0°N 63.7°W
	TRIN	eP	10.40.37		2.44°	
	ST. VIN	eP	10.40.(40)		2.64°	
7	TRIN	eP	11.08.(55)			
	GREN	eP	11.09.(08)			
		iS	11.09.39			
	ST. VIN	eP	11.09.22			
7	GREN	eP'	12.52.22		146.5°	USCGS Gives H: 12.32.40
	ST. VIN	iP'	12.52.23	d	146.5°	E: 5°S 151½°E
		i	12.52.34			
	BARB	eP'	12.52.(30)		148.5°	Small
		i	12.52.46			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
OCT 7	ST. VIN	iP	14.39.15	c	3.91°	H: 14.38.22
		iS	14.39.55			E: 17.1°N 61.7°W
	BARB	iP	14.39.26		4.42°	
		eS	14.40.11			
	GREN	iP	14.39.30	c	5.01°	
7	ST. VIN	eP	15.30.00			USCGS Gives H: 15.23.55
	GREN	iP	15.30.14	c		E: West-Cental Bolivia.
	BARB	e	15.30.(24)			Very Small
8	GREN	eP	00.10.28			
		e	00.11.16			
	ST. VIN	eP	00.10.30			
		e	00.11.25			
8	DOM	iP	03.06.22	c		North Windwards Region
		iS	03.06.35			
	ST. VIN	eP	03.06.52			
		e	03.07.29			
8	ST. VIN	eP	17.05.(35)			South Windwards Region
		iS	17.05.46			
9	TRIN	eP	08.19.49			Trinidad Region
		iS	08.20.01			
	GREN	iP	08.19.54			
		iS	08.20.11			
9	GREN	eP	11.31.48		73.3°	USCGS Gives H: 11.20.17
						E: 55½°S 27½°W
10	TRIN	eP	03.56.12			
		iS	03.56.26			
	GREN	iP	03.56.17			
		iS	03.56.37			
10	TRIN	eP	15.23.06			
		i	15.23.34			
	GREN	eP	15.23.07			
	ST. VIN	eP	15.23.(24)			Small
11	BARB	eP	14.44.41		37.0°	USCGS Gives H: 14.37.42
	ST. VIN	eP	14.44.42		37.5°	E: 23½°S 65°W
						Depth: About 200 km
12	GREN	eP	01.40.20		22.2°	USCGS Gives H: 01.35.14
						E: 6°S 75°W
12	TRIN	e	02.44.(08)			Very Small
12	GREN	iP'	13.07.42		153.7°	USCGS Gives H: 12.47.42
	ST. VIN	iP'	13.07.43		154.0°	E: 4½°S 144°E
	TRIN	eP'	13.07.45		154.0°	
12	ST. VIN	eP'	15.37.(34)		138.8°	Small
		e	15.40.53			USCGS Gives H: 15.18.42
						E: 27½°N 125½°E
	TRIN	eP'	15.37.47		141.5°	Depth: About 250 km
		e	15.41.02			Small
						Small
14	TRIN	e	07.29.(42)			Very Small
15	DOM	iP	09.07.37			
15	DOM	iP	09.10.32	d		North Windwards Region
		iS	09.10.35			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
OCT 15	ST. VIN	iP	15.12.03	c	0.97°	Felt: St. Vincent
	GREN	iP	15.12.06		1.23°	H: 15.11.50
	BARB	iP	15.12.09		1.14°	E: 12.5°N 60.6°W
	TRIN	iP	15.12.17	d	2.00°	
15	ST. VIN	eP	21.44.(20)			
	GREN	e	21.44.(33)			Very Small
15	ST. VIN	eP	21.57.24			
18	GREN	eP	03.21.(54)			Very Small
18	TRIN	eP	06.36.55			
		e	06.39.21			
	GREN	eP	06.37.00			
	ST. VIN	eP	06.37.12			
		i	06.37.24			
18	TRIN	iP	16.58.19	c	1.23°	H: 06.58.03
		iS	16.58.29			E: 10.9°N 60.3°W
	GREN	eP	16.58.27		1.82°	
		iS	16.58.41			
	ST. VIN	eP	16.58.36		2.47°	
		e	16.59.05			
19	BARB	eP	03.58.49		1.40°	H: 03.58.25
	ST. VIN	eP	03.58.56		2.29°	E: 13.5°N 59.4°W
		e	03.59.24			Depth: About 150 km
	GREN	eP	03.59.06		3.02°	
		iS	03.59.34			
20	TRIN	eP'	01.32.47		174.0°	USCGS Gives H: 01.12.30
						E: 9½°S 112½°E
	ST. VIN	e	01.33.(07)		173.0°	Very Small
		e	01.37.56			Small
20	TRIN	iP	12.46.18	c		Trinidad Region
		iS	12.46.29			
	ST. VIN	eP	12.46.32			
		eS	12.47.01			
20	ST. VIN	iP	20.49.44	c		South Windwards Region
		iS	20.49.55			
21	DOM	iP'	06.34.36		150.4°	USCGS Gives H: 06.14.50
						E: 5½°S 147°E
	TRIN	eP'	06.34.41		151.4°	Very Small
		e	06.34.46			
	ST. VIN	eP'2	06.34.51		151.0°	
		e	06.34.58			
25	ST. VIN	eP	17.04.23			South Windwards Region
		eS	17.04.34			
28	ST. VIN	eP	01.37.36		1.88°	H: 01.37.11
		iS	01.37.55			E: 13.0°N 60.8°W
	GREN	iP	01.37.(41)		2.25°	Depth: About 200 km
		iS	01.38.(04)			
	TRIN	eP	01.37.51		2.98°	
		e	01.38.30			

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
OCT 28	ST. VIN	iP	01.51.36		1.61°	H: 01.51.14
		iS	01.51.53			E: 12.8°N 61.2°W
	GREN	iP	01.51.(39)		1.82°	Depth: About 175 km
	TRIN	eP	01.51.50		2.62°	
29	ST. VIN	e	07.57.32		96.5°	USCGS Gives H; 07.44.10 E: 51½°N 179½°E
	TRIN	eP	07.57.53		99.0°	Very Small
	DOM	e	07.59.33		95.0°	Small
30	GREN	eP	06.11.34			
	TRIN	eP	06.11.(56)			Very Small
		e	06.14.04			Very Small
30	DOM	e	06.20.(28)			Small
		i	06.20.47			
	ST. VIN	eP	06.21.34			
		i	06.21.56			
	GREN	e	06.22.07			
31	BARB	iP	03.47.23		1.08°	H: 03.47.05
		iS	03.47.35			E: 13.3°N 58.5°W
	GREN	eP	03.47.51		3.42°	
	TRIN	eP	03.47.(58)		3.97°	
		eS	03.48.(37)			
31	TRIN	eP'	23.58.57		144.2°	Small
						USCGS Gives H: 23.39.27 E: 25°N 122½°E Depth: About 100 km

Volcanological Research Department,

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Imperial College of Tropical Agriculture,

Trinidad T. W. I.

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Seismological Bulletin.

STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10° 39.0' N	Long.	61° 24.1' W.	Elev.		27m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7' N	Long.	61° 44.1' W.	Elev.	c.	30m.a.s.l
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	Long.	61° 15.5' W.	Elev.	c.	10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	Long.	61° 00.5' W.	Elev.	c.	30m.a.s.l
BARBADOS	(BARB)	LAT.	13° 07.4' N	Long.	59° 35.6' W.	Elev.	c.	70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7' N	Long.	61° 23.5' W.	Elev.	c.	40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6' N	Long.	61° 50.1' W.	Elev.	c.	27m.a.s.l.
ST. KITTS		LAT.	17° 20.3' N	Long.	62° 43.7' W			

EQUIPMENT

All stations are equiped with Willmore Vertical seismometers and recorders, with the following characteristics.

Seismometer period .....1.0 secs.

Galvanometer period.....0.25 secs.

Velocity Sensitivity (maximum) 1450 cms/cm/sec.

Magnification (maximum).....30,000

The sensitivities at the stations are varied to suit local conditions and the maximum values given above should be multiplied by the following factors: Trinidad 1/10th; Grenada, St. Vincent, St. Lucia, Barbados, Dominica, Antigua, 1/3rd.

The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

The Trinidad station has been operated at the following temporary sites:

From 1.4.53 to 1.1.55 at Lat. 10° 40.1' N Long. 61° 31.2' W and

from 1.1.55 to 1.9.58 at Lat. 10° 44.7' N. Long. 61° 33.8' W.

*Please note that the Trinidad station was removed to a permanent site at Lat. 10° 39.0' N Long. 61° 24.1' W., 27m.a.s.l. on 1.9.58.

DATE 1956	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
NOV 1	DOM	eP'	03.58.(17)		147.0°	Small USCGS Gives H: 03.38.36 E: 3°S 150°E
	TRIN	eP'_2	03.58.29		147.8°	Small
1	DOM	iP	08.39.41	c		
		i	08.40.02			
	GREN	eP	08.40.17			
		e	08.46.02			
	TRIN	eP	08.40.39			
2	TRIN	iP	00.20.44		1.31°	H: 00.20.26 E: 10.7°N 62.9°W
		iS	00.20.57			
	GREN	eP	00.20.49		1.74°	
		iS	00.21.06			
	ST. VIN	eP	00.21.06		2.92°	
		eS	00.21.42			
2	TRIN	iP	09.55.03		1.06°	H: 09.54.49 E: 11.3°N 62.5°W
		iS	09.55.13			
	GREN	iP	09.55.03		1.06°	
		iS	09.55.14			
	ST. VIN	eP	09.55.19		2.23°	
3	GREN	e	05.06.06			
4	GREN	eP'	00.44.17		150.5°	Very Small USCGS Gives H: 00.24.24 E: 6°S 147½°E
	TRIN	e(P')	00.44.22		151.0°	Small
4	TRIN	eP	09.19.36		11.8°	USCGS Gives H: 09.16.44 E: 7°N 73°W Depth: About 150 km
		i(PP)	09.19.44			
	GREN	eP	09.19.37		12.0°	
		i(PP)	09.19.44			
	ST. VIN	iP	09.19.45		13.0°	
	BARB	eP	09.20.(08)		14.5°	Small
		i	09.20.12			
5	GREN	eP	19.56.08			
		iS	19.56.15			
6	TRIN	iP	08.41.10	d	1.06°	H: 08.40.56 E: 10.8°N 62.5°W Depth: About 50 km
		iS	08.41.21			
	GREN	eP	08.41.16		1.50°	
		iS	08.41.32			
	ST. VIN	eP	08.41.32		2.68°	
		eS	08.42.00			
6	ST. VIN	eP	11.27.25			
		e	11.32.(04)			Small
6	BARB	eP'	23.16.55		117.3°	Small USCGS Gives H: 22.58.10 E: 44½°N 148½°E Depth: About 100 km
		i(PP)	23.18.08			
	GREN	eP'	23.16.56		117.5°	
		e(PP)	23.18.02			
		L	23.59.			
	TRIN	eP'	23.16.59		118.5°	
		e(PP)	23.18.18			
	ST. VIN	eP'	23.17.(03)		116.2°	
		i(PP)	23.18.01			
		i	23.18.14			
		L	24.01.			
7	TRIN	iP	02.37.47			
8	ST. VIN	eP'	19.56.23		144.5°	USCGS Gives H: 19.36.48 E: 11½°N 93°E
	TRIN	$e(P'_2)$	19.56.34		145.5°	

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
NOV 9	BARB	iP	11.42.47	c		
		i	11.42.58			
	ST. VIN	e	11.43.05			
9	ST. VIN	eP	14.14.38			
		eS	14.15.07			
11	GREN	eP	01.11.00			
	TRIN	eP	01.11.33			Very Small
11	GREN	e	01.19.(28)			Very Small
		e	01.20.12			Small
12	TRIN	eP	06.11.13		8.3°	USCGS Gives H: 06.09.10 E: 9½°N 70°W
		i(PP)	06.11.18			
		iS	06.12.49			
	GREN	eP	06.11.15		8.5°	
	ST. VIN	iP	06.11.24	c	9.3°	
	BARB	eP	06.11.47		10.8°	
12	BARB	e	08.04.14			
12	GREN	eP'	10.59.09		142.5°	Very Small
	ST. VIN	eP'	10.59.11		142.8°	USCGS Gives H: 10.39.47 E: 7°S 156°E Depth: About 100 km
12	GREN	eP	20.40.07			
	TRIN	i	20.40.26			
12	BARB	iP	21.25.38			
13	TRIN	eP	09.08.22		8.3°	USCGS Gives H: 09.06.18 E: 9½°N 70°W
		i(PP)	09.08.27			
		iS	09.09.57			
	GREN	eP	09.08.22		8.5°	
		iP	09.08.25			
	BARB	eP	09.08.57		10.8°	
		iP	09.09.00			
13	ST. VIN	e(P'_2)	16.36.11		146.5°	USCGS Gives H: 16.16.25 E: 9°N 93½°E
	GREN	e(P'_2)	16.36.13		147.5°	
14	ST. VIN	eP'_2	14.09.27		165.8°	Small USCGS Gives H: 13.48.20 E: 6°S 131°E
14	GREN	eP	15.27.25		23.8°	USCGS Gives H: 15.22.16 E: 13°N 86°W
		i	15.27.31			
	ST. VIN	eP	15.27.(37)		24.0°	Depth: About 100 km
	BARB	eP	15.27.47		25.7°	
15	GREN	eP	05.01.58			
		i	05.02.01			
	TRIN	eP	05.02.00			
	ST. VIN	e	05.02.14			Small
15	ST. VIN	e	05.54.55		77.2°	Felt: Southern Greece USCGS Gives H: 05.42.42 E: 38°N 22½°E
15	GREN	eP	08.54.08			
	TRIN	e	08.54.26			
16	TRIN	iP	02.44.42	c	2.31°	H: 02.44.11 E: 10.4°N 63.0°W Depth: About 200 km
		iS	02.45.04			
	GREN	eP	02.44.48		2.74°	
	ST. VIN	iP	02.45.01		3.72°	
		iS	02.45.38			
		MT	02.48.51			
	BARB	e	02.45.18		4.68°	

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
NOV 16	TRIN	eP	03.27.11		1.82°	H: 03.26.47
		iS	03.27.31			E: 10.7°N 62.5°W
	GREN	eP	03.27.16		2.19°	Depth: About 175 km
		iS	03.27.38			
	ST. VIN	eP	03.27.29		3.15°	
16	ST. VIN	e(P)	22.46.21		22.6°	USCGS Gives H: 22.41.15
	BARB	e	22.46.(24)		24.3°	E: 5°N 83°W
18	BARB	iP	17.33.46			
		e	17.34.10			
	ST. VIN	eP	17.34.05			
		iS	17.34.31			
19	TRIN	eP	01.41.39		38.2°	USCGS Gives H: 01.35.06
		e	01.43.41			E: 27½°S 63½°W
	GREN	iP	01.41.48		39.5°	Depth: About 600 km
	ST. VIN	iP	01.41.52	d	40.7°	
		i	01.43.42			
	BARB	e(P)	01.42.(04)		40.5°	
19	TRIN	eP'	04.12.46		118.5°	USCGS Gives H: 03.53.56
						E: 31°S 179°W
19	TRIN	eP	05.31.17		1.45°	H: 05.30.57
		iS	05.31.32			E: 11.2°N 61.3°W
	GREN	iP	05.31.20		1.67°	Depth: About 150 km
		iS	05.31.38			
	ST. VIN	eP	05.31.30		2.41°	
19	ST. VIN	eP	15.14.14		78.0°	USCGS Gives H: 15.02.15
						E: 60½°N 150½°W
						Depth: About 60 km
20	ST. VIN	iP	04.13.13			
21	TRIN	iP	22.21.44			Trinidad Region
		iS	22.21.57			
	ST. VIN	eP	22.22.07			
		e	22.22.34			
23	TRIN	iP	19.29.50			
	ST. VIN	eP	19.30.00			
24	TRIN	eP	07.00.05		68.0°	USCGS Gives H: 06.48.57
						E: 57½°S 65½°W
24	ST. VIN	iP	22.28.05	d		Felt: Antigua
		iS	22.28.52			
	GREN	iP	22.28.16			
		iS	22.29.17			
	TRIN	eP	22.28.38			
		iS	22.29.52			
25	TRIN	iP	10.44.16		1.36°	H: 10.43.58
		iS	10.44.30			E: 10.7°N 62.9°W
	GREN	iP	10.44.22	c	1.82°	Depth: About 50 km
		iS	10.44.40			
	ST. VIN	iP	10.44.38		2.99°	
25	TRIN	iP	13.04.15			
		i	13.04.29			
	GREN	e	13.04.(39)			Very Small
25	TRIN	iP	15.28.40		1.57°	H: 15.28.19
		iS	15.29.01			E: 10.9°N 63.2°W
	GREN	iP	15.28.43		1.77°	
	ST. VIN	eP	15.28.58		2.90°	
		iS	15.29.33			
26	TRIN	e	04.23.(23)			Very Small

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
NOV 26	TRIN	eP	05.32.19			Very Small
26	TRIN	e	06.26.(29)			Very Small
		e	06.28.40			
26	TRIN	eP	06.31.15			
26	TRIN	e	06.35.30			Very Small
26	TRIN	eP	14.14.05			
	GREN	i	14.14.09			
	ST. VIN	e	14.14.10			
27	TRIN	e	14.58.(05)			Very Small
28	TRIN	e	00.43.(13)			Very Small
28	TRIN	iP	01.05.54			Trinidad Region
		iS	01.06.07			
28	TRIN	eP	03.30.57			
		e	03.31.12			
	GREN	eP	03.31.(10)			
	ST. VIN	eP	03.31.27			
28	TRIN	e	08.33.(04)			Small
	GREN	eP	08.33.(20)			Very Small
28	TRIN	iP	20.15.58		1.21°	H: 20.15.42
		iS	20.16.10			E: 10.9°N 62.8°W
	GREN	iP	20.16.03		1.58°	
		iS	20.16.19			
	ST. VIN	eP	20.16.19		2.76°	
		e	20.16.53			
29	ST. VIN	e	07.43.35			
29	TRIN	eP	21.31.18			
30	ST. VIN	eP	01.41.04			

Volcanological Research Department,

Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad T. W. I.

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Seismological Bulletin.

STATIONS REPORTING

TRINIDAD	(TRIN)*	LAT.	10° 39.0' N	Long.	61° 24.1' W.	Elev.		27m.a.s.l.
GRENADA	(GREN)	LAT.	12° 02.7' N	Long.	61° 44.1' W.	Elev.	c.	30m.a.s.l
ST. VINCENT	(ST. VIN)	LAT.	13° 10.2' N	Long.	61° 15.5' W.	Elev.	c.	10m.a.s.l.
ST. LUCIA	(ST. LUC)	LAT.	14° 01.7' N	Long.	61° 00.5' W.	Elev.	c.	30m.a.s.l
BARBADOS	(BARB)	LAT.	13° 07.4' N	Long.	59° 35.6' W.	Elev.	c.	70m.a.s.l.
DOMINICA	(DOM)	LAT.	15° 17.7' N	Long.	61° 23.5' W.	Elev.	c.	40m.a.s.l.
ANTIGUA	(ANT)	LAT.	17° 08.6' N	Long.	61° 50.1' W.	Elev.	c.	27m.a.s.l.
ST. KITTS		LAT.	17° 20.3' N	Long.	62° 43.7' W			

EQUIPMENT

All stations are equiped with Willmore Vertical seismometers and recorders, with the following characteristics.

Seismometer period .....1.0 secs.

Galvanometer period.....0.25 secs.

Velocity Sensitivity (maximum) 1450 cms/cm/sec.

Magnification (maximum).....30,000

The sensitivities at the stations are varied to suit local conditions and the maximum values given above should be multiplied by the following factors: Trinidad 1/10th; Grenada, St. Vincent, St. Lucia, Barbados, Dominica, Antigua, 1/3rd.

The recording is photographic and the paper speed is 53mm/min.

WWV time signals are marked on the records daily, automatically if radio reception permits, or manually otherwise.

The Trinidad station has been operated at the following temporary sites:

From 1.4.53 to 1.1.55 at Lat. 10° 40.1' N Long. 61° 31.2' W and

from 1.1.55 to 1.9.58 at Lat. 10° 44.7' N. Long. 61° 33.8' W.

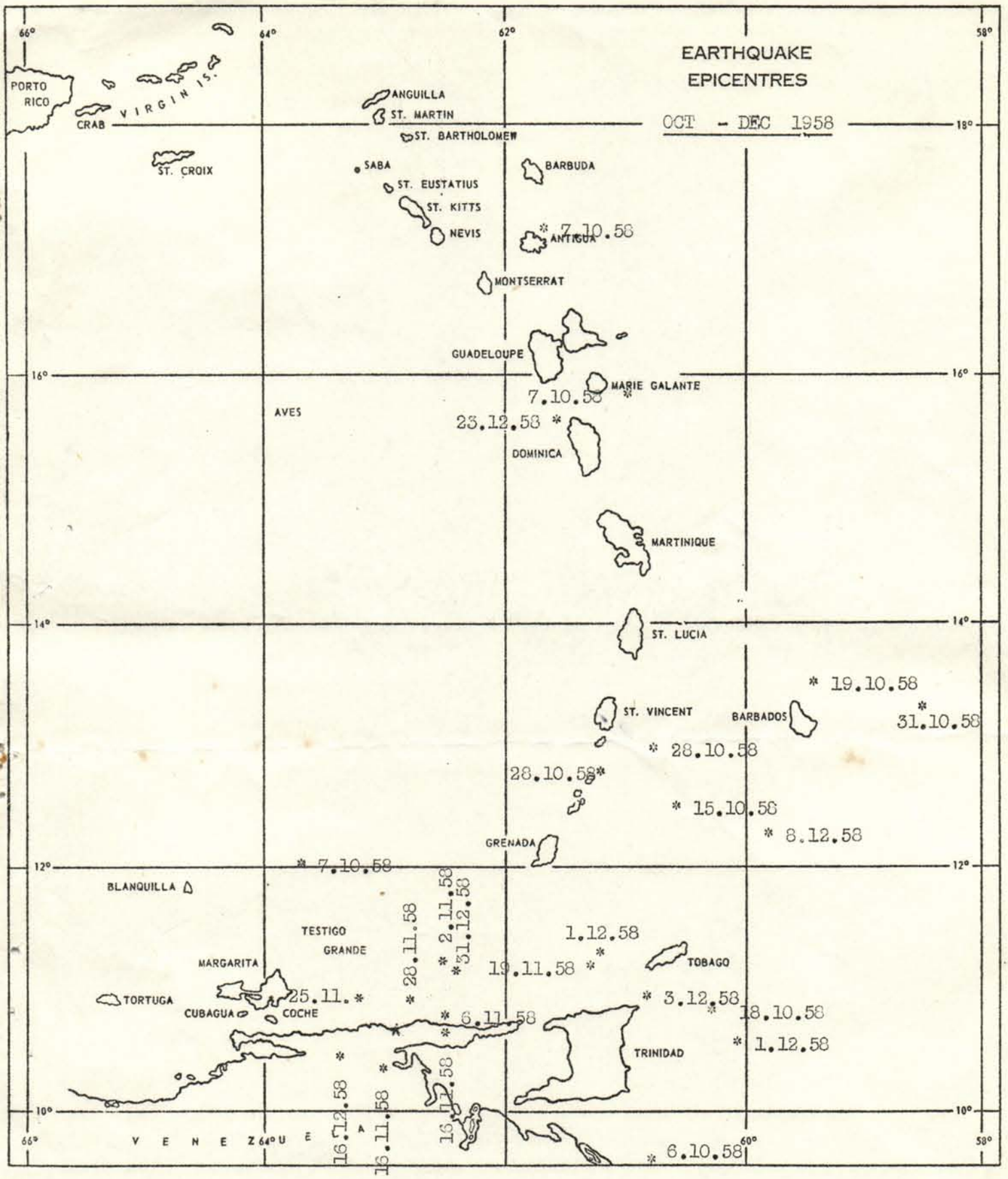
*Please note that the Trinidad station was removed to a permanent site at Lat.

10° 39.0' N Long. 61° 24.1' W., 27m.a.s.l. on 1.9.58.

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
DEC 1	TRIN	iP	00.15.46		1.11°	H: 00.15.31
		iS	00.15.59			E: 11.3°N 61.2°W
						Depth: About 100 km
	GREN	iP	00.15.48	d	1.27°	
	ST. VIN	iP	00.15.59		2.07°	
		iS	00.16.19			
1	ST. VIN	e	11.12.52			Very Small
1	TRIN	iP	22.10.55	c	1.44°	H: 22.10.36
		iS	22.11.09			E: 10.6°N 60.1°W
	ST. VIN	iP	22.11.14		2.85°	
		iS	22.11.42			
	BARB	eP	22.11.15		2.63°	
3	ST. VIN	eP'	10.08.(13)		147.7°	USCGS Gives H: 09.48.26
	TRIN	eP'	10.08.15		150.3°	E: 19°N 121½°E Very Small
3	TRIN	iP	13.40.56			Trinidad Region
		iS	13.41.02			
	GREN	eP	13.41.(14)			
		iS	13.41.32			
3	TRIN	iP	14.59.09	c	1.55°	H: 14.58.48
		iS	14.59.25			E: 11.0°N 60.8°W
	GREN	iP	14.59.14		1.92°	Depth: About 150 km
		iS	14.59.35			
	ST. VIN	eP	14.59.(23)		2.59°	
		eS	14.59.50			
4	ST. VIN	eP	19.24.(34)		24.5°	Small
						USCGS Gives H: 19.19.23
						E: 11½°N 86½°W
						Depth: About 100 km
5	ST. VIN	e	04.13.(41)			Very Small
5	GREN	eP	04.30.01			
		iS	04.30.16			
	ST. VIN	eP	04.30.(13)			
5	ST. VIN	eP	21.38.33			
		i	21.39.22			
6	GREN	eP	09.38.37		21.6°	USCGS Gives H: 09.33.45
	ST. VIN	eP	09.38.44		22.1°	E: 6½°N 83°W
	BARB	eP	09.38.55		23.8°	
8	BARB	iP	23.29.43		1.40°	H: 23.29.20
	ST. VIN	iP	23.29.47	c	2.00	E: 12.3°N 59.8°W
		iS	23.30.07			Depth: About 125 km
	GREN	iP	23.29.50		2.22°	
9	GREN	eP	15.16.(28)			
	ST. VIN	e	15.16.(37)			
	BARB	e	15.16.(58)			
9	ST. VIN	eP	19.08.00		21.8°	Small
						USCGS Gives H: 19.03.05
						E: 8½°N 83°W
10	GREN	i(P')	07.21.21		122.4°	USCGS Gives H: 07.02.59
	ST. VIN	e(P')	07.21.24		123.5°	E: 37°S 176½°E
	BARB	e(P')	07.21.35		124.3°	Depth: About 300 km

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
DEC 12	ST. VIN	eP	05.36.21			
	GREN	eP	05.36.25			
	BARB	eP	05.36.42			
	TRIN	eP	05.36.45			
		e	05.38.32			
13	GREN	eP	09.19.21		75.2°	Very Small USCGS Gives H: 09.07.30 E: 55½°S 22°W
14	TRIN	iP	07.47.34			
	GREN	eP	07.47.54			Very Small
14	ST. VIN	eP	13.51.06			
		e	13.51.30			
16	TRIN	iP	16.51.28		1.91°	H: 16.51.05 E: 10.5°N 63.4°W Depth: About 50 km
		iS	16.51.47			
	GREN	iP	16.51.34		2.33°	
		iS	16.51.57			
	ST. VIN	eP	16.51.(51)		3.23°	
18	TRIN	e(P')	07.46.12		151.0°	Felt: Laoago USCGS Gives H: 07.26.16 E: 18°N 120½°E
18	BARB	e	07.59.(07)			Very Small
	ST. VIN	iP	07.59.16	c		
		i	07.59.42			
18	TRIN	eP	08.16.21			
		e	08.16.34			
19	TRIN	e	04.41.47			Small
19	TRIN	iP	07.11.18	c		Trinidad Region
		iS	07.11.30			
	GREN	iP	07.11.19			
		iS	07.11.34			
19	BARB	eP	11.21.04		31.8°	USCGS Gives H: 11.14.40 E: 16°S 72°W Depth: About 100 km
20	TRIN	e	02.15.(05)			Very Small
		e	02.17.24			
	ST. VIN	eP	02.15.(20)			
20	TRIN	iP	04.12.10	d		
		iS	04.12.26			
21	TRIN	eP	02.16.(00)			
		iS	02.16.25			
21	TRIN	iP	19.46.17			Trinidad Region
		iS	19.46.29			
22	TRIN	iP	01.50.14			
	GREN	iP	01.50.20			
	ST. VIN	iP	01.50.(38)	c		
		i	01.51.(11)			
23	TRIN	eP	06.31.43		19.5°	USCGS Gives H: 06.27.15 E: 2°N 79°W
		eS	06.35.20			
	GREN	eP	06.31.44		19.7°	
	ST. VIN	iP	06.31.(56)	d	20.5°	
	BARB	eP	06.32.09		22.0°	

DATE 1958	STATION	PHASE	TIME G.M.T.	MOTION	DISTANCE	
DEC 23	ST. VIN	eP	07.33.(38)		2.77°	H: 07.33.01
		eS	07.34.(06)			E: 15.7°N 61.6°W
						Depth: About 125 km
	GREN	eP	07.33.52		3.80°	
		eS	07.34.30			
	TRIN	eP	07.34.09		5.06°	
		eS	07.34.59			
24	ST. VIN	i(P_2')	01.33.(00)		148.0°	USCGS Gives H: 01.13.17
						E: 6½°S 150½°E
						Depth: About 100 km
	TRIN	e(P_2')	01.33.01		148.0°	Small
25	GREN	eP'	08.25.(18)		146.6°	USCGS Gives H: 08.05.33
	ST. VIN	eP'	08.25.(19)		146.8°	E: 5½°S 151½°E
	TRIN	eP'	08.25.21		147.0°	
	BARB	eP'	08.25.24		148.5°	Small
25	TRIN	iP	15.59.24			
		i	15.59.39			
28	TRIN	eP	05.15.(20)		8.2°	USCGS Gives H: 05.13.15
		iS	05.16.55			E: 9½°N 70°W
	ST. VIN	iP	05.15.(30)		9.5°	
		iS	05.17.(15)			
	BARB	eP	05.15.47		10.5°	
30	TRIN	eP	08.48.(25)		62.0°	Small
						USCGS Gives H: 08.37.56
						E: 35½°S 105½°W
30	ST. VIN	iP	21.55.(05)			
		i	21.55.(33)			
31	TRIN	iP	08.38.19	c	0.97°	H: 08.38.06
		i	08.38.31			E: 11.2°N 62.4°W
		iS	08.38.33			
	GREN	iP	08.38.21	d	1.11°	
		iS	08.38.37			
	ST. VIN	eP	08.38.(37)		2.30°	



^ Earthquakes of 1.11.58 and 25.11.58