

Volcanological Research Department,
Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, B. W. I.

JUL 1956

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 seismometers and recorders, with the following characteristics.

Seismometer period.....1.0 secs.
 Galvanometer period.....0.25secs.
 Velocity Sensitivity (maximum)1450cms/cm/sec.
 Magnification (maximum).....50,000.

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 $\frac{1}{3}$ rd, St. Vincent 1/1, St. Lucia and Barbados 1/10th, Dominica $\frac{1}{3}$ rd, Antigua $\frac{1}{3}$ rd.

The recording is photographic and the paper speed can be set to 53mm/min or 13mm/min. Trinidad, Grenada, St. Vincent, St. Lucia, and Barbados normally operate at the higher paper speed and Dominica and Antigua at the lower speed.

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

Where time signals are recorded automatically on 53mm/min records, times for impulsive phrases are quoted to the nearest 1/10th second. Otherwise all phases are quoted to the nearest second.

*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. c. 227m.a.s.l.

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>	
1956 JULY 1	ST.VIN	iP iS	15.15.02 15.15.26		E: 14.8°N 62.5°W H: 15.14.30
	BARB	iP eS	15.15.11 15.15.39		
	TRIN	eP eS	15.15.32 15.16.21		
2	TRIN	iP iS	22.21.43 22.21.54	d	E: Trinidad Region H: 22.21.28
3	TRIN	eP iS	00.34.25 00.34.32		E: Trinidad Region H: 00.34.15
5	TRIN	iP iS	14.05.45 14.05.49	c	E: Trinidad Region H: 14.05.39
5	ST.VIN	iP iS	14.58.11 14.58.40		E: 15.8°N 61.0°W H: 14.57.29
	BARB	eP	14.58.15		
	TRIN	eP e	14.58.46 14.59.36		
5	TRIN	iP iS	21.03.58 21.04.09	d	E: Trinidad Region H: 21.03.43
8	ST.VIN	i	12.02.30		
	BARB	e	12.02.37		
	TRIN	e	12.02.07		
8	ST.VIN	iP iS	16.32.42 16.32.56	d	
9	ST.VIN	iP	03.23.53 ✓		USCGS Gives E: 37°N 26°E H: 03.11.39
	BARB	eP	03.23.56 ✓		
	TRIN	eP	03.24.(10) ✓		
9	ST.VIN	eP	03.36.14 ✓		USCGS Gives E: 37°N 26°E H: 03.24.05
9	ST.VIN	iP	09.59.15 ✓	d	USCGS Gives E: 20°N 73°W H: 09.56.13 Depth: About 100km.
	BARB	eP	09.59.39 ✓		
	TRIN	eP eS	09.59.34 ✓ 10.02.07 ✓		
10	ST.VIN	eP eS	01.41.02 01.41.34		E: Trinidad Region H: 01.40.22
	TRIN	iP iS	01.40.33 01.40.39		
10	ST.VIN	iP iS	19.14.06 19.14.35		E: North Windwards Region H: 19.13.28
10	ST.VIN	iP iS	22.43.11 22.43.(29)	c	
	TRIN	eP iP iS	22.43.36 22.43.37 22.44.07		
11	ST.VIN	eP eS	08.28.32 08.28.48		

DATE	STATION	PHASE	TIME G.M.T.	MOTION
1956				
JULY 11	TRIN	eP iS	16.40.14 16.40.26	E: Trinidad Region H: 16.39.58
11	TRIN	iP iS	18.00.58 18.01.03	d E: Trinidad Region H: 18.00.51
15	TRIN	eP eS	07.42.05 07.42.19	
15	TRIN	eP iS	10.46.25 10.46.39	
17	ST.VIN	iP ₁ iP ₂ e	07.53.27 07.54.48 07.56.28	USCGS Gives E: 7°S 126½°E H: 07.34.07 Depth: About 450km.
	BARB	eP'	07.53.31	
	TRIN	eP'	07.53.28	
17	TRIN	e(P)	08.04.43	
18	ST.VIN	iP'	00.47.11	USCGS Gives E: 5°S 151°E H: 00.27.27
	BARB	eP'	00.47.20	
	TRIN	eP' i	00.47.12 00.47.30	
18	ST.VIN	iP ₁ iP ₂ iPP	06.39.24 06.40.31 06.44.14	USCGS Gives E: 5°S 130°E H: 06.19.15
	BARB	eP'	06.39.53	
	TRIN	eP'	06.39.26	
19	TRIN	iP iS	02.32.56 02.33.03	c E: Trinidad Region H: 02.32.46
19	DOM	eP'	21.00.48	USCGS Gives E: 15°N 120½°E H: 20.40.54
	ST.VIN	eP'	21.00.52	
	TRIN	eP'	21.00.58	
19	DOM	eP m(T)	23.31.39 23.55.(14)	USCGS Gives E: 9½°N 84½°W H: 23.26.25
	ST.VIN	iP	23.31.33	
	BARB	eP	23.31.50	
	TRIN	eP	23.31.31	
19	DOM	m(T)	00.06.(37)	USCGS Gives E: 9½°N 85°W H: 23.38.04
	ST.VIN	eP	23.43.14	
	BARB	eP	23.43.30	
	TRIN	eP	23.43.22	
20	DOM	e	00.23.47	
20	TRIN	eP iS	12.02.08 12.02.14.7	E: Trinidad Region H: 12.01.58
20	TRIN	iP iS	19.08.28.9 19.08.41.0	E: Trinidad Region H: 19.08.13

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
JULY 22	DOM	eP	07.44.(06)	E: 10.9°N 62.8°W H: 07.42.52
	ST.VIN	eP eS	07.43.55 07.44.10	
	BARB	eP	07.43.(59)	
	TRIN	iP i iS	07.43.13 07.43.21 07.43.26	
22	ST.VIN	iP	09.31.38 ✓	USCGS Gives E: 19°S 69°W H: 09.25.08
	BARB	eP	09.31.46 ✓	
	TRIN	eP	09.31.19 ✓	
23	ST.VIN	iP iS	06.10.09 06.10.45	d. E: 10.3°N 62.3°W H: 06.09.22
	BARB	eP	06.10.21	
	TRIN	iP	06.09.37.4	
23	TRIN	iP iS	06.14.59.9 06.15.12.0	E: Trinidad Region H: 06.14.44
23	ST.VIN	e	14.45.49	USCGS Gives E: 4½°S 154°E H: 14.25.46
	TRIN	eP'	14.45.28	
23	TRIN	e	15.20.37	
23	TRIN	eP iS	18.09.38 18.09.44	E: Trinidad Region H: 18.09.30
23	ST.VIN	eP'	22.16.52	USCGS Gives E: 6°S 148°E H: 21.56.56
	TRIN	eP'	22.16.53	
23	TRIN	iP iS	23.06.13 23.06.24	c. E: Trinidad Region H: 23.05.58
24	DOM	iP iS	03.28.19 03.28.31	E: North Windwards Region H: 03.28.03
24	TRIN	iP iS	09.46.29 09.46.37	d. E: Trinidad Region H: 09.46.18
24	DOM	i	12.16.39	Volcanic Shock?
24	DOM	i	12.21.40	Volcanic Shock?
24	DOM	i	12.26.39	Volcanic Shock?
24	DOM	i	13.26.47	Volcanic Shock?
24	TRIN	eP eS	13.46.57 13.47.08	E: Trinidad Region H: 13.46.42
24	DOM	i	13.56.50	Volcanic Shock?
	ST.VIN	i	13.57.13	
24	DOM	iP	14.11.48	Volcanic Shock?
	ST.VIN	e	14.12.08	

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
JULY 24	DOM	i	14.27.24	Volcanic Shock?
	ST.VIN	i	14.27.41	
24	DOM	iP i(S)	14.42.20 14.42.23	Volcanic Shock?
	ST.VIN	e	14.42.33	
24	DOM	iP	14.57.51	Volcanic Shock?
	ST.VIN	e	14.58.01	
24	DOM	i	15.27.59	Volcanic Shock?
	ST.VIN	i	15.28.04	
24	DOM	i	16.58.40	Volcanic Shock?
	ST.VIN	e	16.59.27	
24	DOM	i	17.28.43	Volcanic Shock?
	ST.VIN	e	17.29.24	
24	DOM	i	17.48.56	Volcanic Shock?
	ST.VIN	i	17.49.33	
24	DOM	i	18.09.07	Volcanic Shock?
	ST.VIN	e	18.09.40	
24	DOM	i	18.28.41	Volcanic Shock?
	ST.VIN	e	18.29.11	
24	DOM	i	18.43.40	Volcanic Shock?
	ST.VIN	e	18.44.07	
24	DOM	i	18.58.41	Volcanic Shock?
	ST.VIN	e	18.59.05	
24	DOM	iP iS	21.30.19 21.30.27	E: North Windwards Region H: 21.30.08
25	TRIN	eP eS	06.23.21 06.23.33	E: Trinidad Region H: 06.23.05
25	DOM	iP	16.54.39	Volcanic Shock?
25	DOM	iP	17.59.00	Volcanic Shock?
25	DOM	iP	18.35.11	Volcanic Shock?
25	DOM	iP	19.05.17	Volcanic Shock?
25	DOM	iP iS	22.48.28 22.48.46	E: 14.8°N 60.2°W H: 22.48.06
	ST.VIN	eP	22.48.37	
25	TRIN	iP iS	23.22.21.9 23.22.33.5	E: Trinidad Region H: 23.22.06
26	TRIN	iP iS	02.34.32.7 02.34.43.7	E: Trinidad Region H: 02.34.18

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
JULY 26	TRIN	iP iS	05.44.09.2 05.44.20.8	E: Trinidad Region H: 05.43.53
26	TRIN	iP iS	15.49.54 15.50.02	c E: Trinidad Region H: 15.49.43
27	TRIN	eP iS	23.37.10 23.37.22	E: Trinidad Region H: 23.36.54
28	TRIN	eP'	02.21.(24)	USCGS Gives E: 6°S 154°E H: 02.01.58 Depth: About 150km.
28	TRIN	iP	11.26.34	c USCGS Gives E: 0° 80½°W H: 11.21.43
29	TRIN	iP iS	09.41.25 09.41.31	c E: Trinidad Region H: 09.41.17
30	TRIN	iP iS	12.06.51 12.06.59	E: Trinidad Region H: 12.06.40
30	TRIN	eP eS	23.32.38 23.32.51	E: Trinidad Region H: 23.32.21
31	DOM	iP	22.58.24	E: 15.1°N 60.5°W H: 22.58.10
	ST.VIN	iP iS	22.58.43 22.59.08	c
	BARB	eP	22.58.44	
	TRIN	eP eS	22.59.17 23.00.08	
31	DOM	iP	23.28.02	

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. 50m.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 seismometers and recorders, with the following characteristics.

- Seismometer period.....1.0 secs.
- Galvanometer period.....0.25secs.
- Velocity Sensitivity (maximum)1450cms/cm/sec.
- Magnification (maximum).....50,000.

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 1/3rd, St. Vincent 1/1, St. Lucia and Barbados 1/10th, Dominica 1/3rd, Antigua 1/3rd.

The recording is photographic and the paper speed can be set to 53mm/min or 13mm/min. Trinidad, Grenada, St. Vincent, St. Lucia, and Barbados normally operate at the higher paper speed and Dominica and Antigua at the lower speed.

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

Where time signals are recorded automatically on 53mm/min records, times for impulsive phrases are quoted to the nearest 1/10th second. Otherwise all phases are quoted to the nearest second.

*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. c. 227m.a.s.l.

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
AUG. 1	DOM	iP	00.00.52	d E: About 15°N 60½°W H: 00.00.37
	ST. VIN	iP iS	00.01.07 00.01.30	d
	1 TRIN	iP	07.04.51	c USCGS Gives E: 28½°S 71½°W H: 06.57.09
	1 DOM	iP	20.30.55	USCGS Gives E: 18½°N 71°W H: 20.28.26
	ST. VIN	eP iS	20.31.06 20.33.04	
	BARB	eP	20.31.(34)	
	TRIN	eP eS	20.31.29 20.33.30	
	1 ST. VIN	e	20.41.10	
	1 TRIN	eP iS	21.53.57 21.54.12	
	2 DOM	iP iS	03.21.16 03.21.27	E: About 15½°N 60°W H: 03.20.54
	ST. VIN	eP eS	03.21.37 03.22.09	
	2 ✓ DOM	iP	07.15.25	USCGS Gives E: 5°N 75½°W H: 07.11.20 Depth: About 200km.
	✓ ST. VIN	iP	07.15.06	
	✓ BARB	eP	07.15.25	
	✓ TRIN	eP iS	07.14.52 07.17.48	
	3 ST. VIN	eP	16.00.53	
	TRIN	eP iS	16.00.58 16.01.19.0	
	3 TRIN	eP iS	19.42.42 19.42.50.5	E: Trinidad Region. H: 19.42.30
	4 TRIN	iP iS	01.15.53.8 01.15.59.7	d E: Trinidad Region. H: 01.15.45
	✓ 4 ✓ DOM	iP'	10.08.24	USCGS Gives E: 5½°S 150½°E H: 09.49.02 Depth: About 250km.
	✓ ST. VIN	iP'	10.08.24	
	✓ TRIN	eP'	10.08.25	
	4 ✓ DOM	eP	11.24.12	USCGS Gives E: 100 miles off North Coast of Puerto Rico. H: 11.22.30
	✓ TRIN	eP	11.25.00	
	4 DOM	iP iS	21.27.14 21.27.17	Volcanic Shock?
	5 TRIN	eP iP iS	08.49.34 08.49.36 08.49.56	
	5 DOM	iP i(S)	09.33.41 09.33.43	Volcanic Shock?

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956 AUG. 6	DOM	eP iS	15.52.36 15.52.57	
7	DOM	iP iS	08.30.39 08.30.59	
7	ST. VIN	iP i(S)	21.44.26 21.44.59	d E: 12.6°N 59.6°W H: 21.43.58
	BARB	iP	21.44.09	
	TRIN	iP iS	21.44.40 21.45.13	d
8	TRIN	iP iS	11.46.30 11.46.44	
8	TRIN	eP eS	15.41.45 15.42.11	
9	DOM	iP iS	11.36.29 11.36.38	E: North Windwards Region. H: 11.36.17
10	ST. VIN	eP	02.22.21	USCGS Gives E: 10°N 84½°W H: 02.17.11
	BARB	eP	02.22.(33)	
	TRIN	eP	02.22.21	
10	DOM	e	02.44.53	
10	TRIN	iP iS	10.13.38 10.13.50	E: Trinidad Region. H: 10.13.22
11	ST. VIN	iP iS	05.03.41.9 05.04.21.1	E: Trinidad Region. H: 05.02.50
	BARB	eP	05.03.(40)	
	TRIN	iP iS	05.03.22.3 05.03.46.6	d
11	ST. VIN	eP eS	05.48.04 05.48.41	E: Trinidad Region. H: 05.47.14
	TRIN	iP iS	05.47.44.5 05.48.08.1	d
12	TRIN	eP [†]	05.59.36	USCGS Gives E: Northern New Britain. H: 05.40.07 Depth: About 150km.
12	DOM	iP	13.40.36	E: 14.8°N 60.4°W H: 13.40.17
	ST. VIN	iP	13.40.46	
	BARB	eP	13.40.(51)	
	TRIN	eP iP iS	13.41.20 13.41.22 13.42.09	
12	ST. VIN	eP eS	23.12.47 23.13.10	
	TRIN	eP iS	23.12.47 23.13.04	
13	TRIN	eP iS	01.59.37 01.59.51	

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956 AUG. 13	DOM	eP iS	10.13.57 10.14.00	Volcanic Shock?
14	DOM	iP iS	06.43.13 06.43.21	E: North Windwards Region. H: 06.43.02
14	ST. VIN	iP iS	10.01.43 10.02.10	E: 12.6°N 59.5°W H: 10.01.14
	BARB	iP	10.01.25	c
	TRIN	eP eS	10.01.58 10.02.31	
✓ 15	✓ DOM	eP'	05.40.38	USCGS Gives E: 0° 101½°E H: 05.20.37
✓	✓ ST. VIN	eP'	05.40.40	Depth: About 300km.
✓	✓ TRIN	eP'	05.40.47	
15	DOM	eP' ₁ eP' ₂	11.11.13 11.12.08	USCGS Gives E: 1°S 123°E H: 10.51.19
	ST. VIN	eP' ₁ eP' ₂ ePP	11.11.14 11.12.13 11.16.01	Depth: About 150km.
✓	✓ BARB	eP'	11.11.(19)	
✓	✓ TRIN	eP'	11.11.16	
✓ 15	✓ ST. VIN	eP	12.14.21	USCGS Gives E: 43½°N 16½°E H: 12.02.54
15	DOM	iP	19.20.53	
16	ST. VIN	eP eS	02.08.45 02.09.17	E: Trinidad Region. H: 02.08.04
	TRIN	iP iS	02.08.23 02.08.36	c
16	ST. VIN	eP iS	09.00.19 09.00.37.6	
17	TRIN	eP	05.58.54	USCGS Gives E: 7°S 80°W H: 05.53.25
17	✓ ST. VIN	eP'	14.35.40	USCGS Gives E: 4°S 151½°E H: 14.15.53
	✓ TRIN	eP'	14.35.40	
17	TRIN	iP iS	14.47.14 14.47.21	c E: Trinidad Region. H: 14.47.04
17	ST. VIN	eP eS	15.46.24 15.46.59	E: Trinidad Region H: 15.45.38
	TRIN	iP	15.45.57	c
18	TRIN	eP iS	09.48.27 09.48.39	E: Trinidad Region H: 09.48.11
18	DOM	eP	16.02.39	E: 15.1°N 61.8°W H: 16.02.29
	ST. VIN	eP eS	16.03.01 16.03.23	

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>	
1956 AUG.19	DOM	iP eS i	20.31.14 20.31.47 20.31.57	c	E: 12.5°N 60.3°W H: 20.30.26 Depth: About 100km.
	ST. VIN	iP	20.30.49	d	
	BARB	iP iS i	20.30.42 20.30.49 20.31.04	d	
	TRIN	iP iS i	20.31.01 20.31.26 20.31.36		
20	DOM	eP	05.38.20		USCGS Gives E: 7½°N 80°W H: 05.33.47
	ST. VIN	iP	05.38.13		
	BARB	eP	05.38.30		
	TRIN	eP	05.37.57		
20	GREN	iP iS	06.02.23 06.02.40		E: Trinidad Region H: 06.02.00
	TRIN	iP iS	06.02.15 06.02.26		
20	ST. VIN	iP	07.24.26	c	USCGS Gives E: 7½°N 80°W H: 07.19.59
	BARB	eP	07.24.41		
	GREN	eP	07.24.14		
	TRIN	eP	07.24.09		
20	TRIN	eP	09.53.03		USCGS Gives E: 13½°N 91½°W H: 09.43.50 Depth: About 100km.
20	DOM	iP	23.04.25		Volcanic Shock?
20	DOM	iP eS	23.15.01 23.15.37		E: 12.4°N 60.0°W H: 23.14.12
	ST. VIN	iP	23.14.35.7	d	
	BARB	eP e	23.14.28 23.14.49		
	TRIN	eP iS	23.14.47 23.15.14		
20	DOM	iP	23.19.53		Volcanic Shock?
21	DOM	iP iS	05.40.31 05.40.46		E: 15.0°N 60.2°W H: 05.40.13
	ST. VIN	eP iS	05.40.45 05.41.08.7		
22	TRIN	eP e	09.23.51 09.24.06		
22	DOM	iP iS	09.25.13 09.25.24		E: 14.9°N 60.6°W H: 09.24.57
	ST. VIN	iP iS	09.25.27 09.25.47		

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
AUG. 23	TRIN	eP iS	05.30.46 05.30.59	E: Trinidad Region, H: 05.30.29
23	DOM	eP	13.54.44	USCGS Gives E: 15°S 68°W H: 13.48.30 Depth: About 100km.
✓	ST. VIN	eP	13.54.27	
✓	BARB	eP	13.55.(01)	
✓	TRIN	eP e	13.54.07 13.59.55	
27	DOM	eP eS	07.11.41 07.11.56	E: About 15½°N 60½°W H: 07.11.22
	ST. VIN	eP eS	07.12.03 07.12.35	
28	DOM	eP iS	13.37.51 13.38.00	E: About 15½°N 60½°W H: 13.37.38
	ST. VIN	eP eS	13.38.15 13.38.41	
29	DOM	eP eS	01.16.20 01.17.11	E: 11.1°N 62.5°W H: 01.15.14
	BARB	iP eS	01.16.07 01.16.48	
	TRIN	iP	01.15.32	
29	TRIN	iP iS	12.45.49 12.45.57	E: Trinidad Region, H: 12.45.38
✓	30 ST. VIN	eP	04.37.05	USCGS Gives E: 54°N 164°W H: 04.24.24
✓	TRIN	eP	04.37.15	
30	TRIN	eP iS	05.22.56 05.23.09	E: Trinidad Region, H: 05.22.39
30	TRIN	eP iS	06.16.18 06.16.30	E: Trinidad Region, H: 06.16.02
31	DOM	iP iS	02.50.07 02.50.30	E: 15.8°N 59.8°W H: 02.49.35 Depth: About 150km.
	ST. VIN	iP	02.50.23	
	BARB	eP i(S)	02.50.19 02.50.44	
	TRIN	eP iS	02.50.59 02.51.56	

topical

STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION
STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION
STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION
STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION
STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION
STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION
STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION
STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION
STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION
STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION
STATION	LONGITUDE	LATITUDE	DEPTH	DATE	TIME	DESCRIPTION

Volcanological Research Department,
Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, B. W. I.

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The magnitudes of the stations are listed in the following table and the values given above should be multiplied by the following factors:

Station 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

For stations 1 to 100, the magnitudes are listed in the following table:

Station	Magnitude
1	2.5
2	2.8
3	3.1
4	3.4
5	3.7
6	4.0
7	4.3
8	4.6
9	4.9
10	5.2
11	5.5
12	5.8
13	6.1
14	6.4
15	6.7
16	7.0
17	7.3
18	7.6
19	7.9
20	8.2
21	8.5
22	8.8
23	9.1
24	9.4
25	9.7
26	10.0
27	10.3
28	10.6
29	10.9
30	11.2
31	11.5
32	11.8
33	12.1
34	12.4
35	12.7
36	13.0
37	13.3
38	13.6
39	13.9
40	14.2
41	14.5
42	14.8
43	15.1
44	15.4
45	15.7
46	16.0
47	16.3
48	16.6
49	16.9
50	17.2
51	17.5
52	17.8
53	18.1
54	18.4
55	18.7
56	19.0
57	19.3
58	19.6
59	19.9
60	20.2
61	20.5
62	20.8
63	21.1
64	21.4
65	21.7
66	22.0
67	22.3
68	22.6
69	22.9
70	23.2
71	23.5
72	23.8
73	24.1
74	24.4
75	24.7
76	25.0
77	25.3
78	25.6
79	25.9
80	26.2
81	26.5
82	26.8
83	27.1
84	27.4
85	27.7
86	28.0
87	28.3
88	28.6
89	28.9
90	29.2
91	29.5
92	29.8
93	30.1
94	30.4
95	30.7
96	31.0
97	31.3
98	31.6
99	31.9
100	32.2

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 seismometers and recorders, with the following characteristics.

- Seismometer period.....1.0 secs.
- Galvanometer period.....0.25secs.
- 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 1/3rd, St. Vincent 1/1, St. Lucia and Barbados 1/10th, Dominica 1/3rd, Antigua 1/3rd.

The recording is photographic and the paper speed can be set to 53mm/min or 13mm/min. Trinidad, Grenada, St. Vincent, St. Lucia, and Barbados normally operate at the higher paper speed and Dominica and Antigua at the lower speed.

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

Where time signals are recorded automatically on 53mm/min records, times for impulsive phrases are quoted to the nearest 1/10th second. Otherwise all phases are quoted to the nearest second.

*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. c. 227m.a.s.l.

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
SEPT. 3	TRIN	eP eS	00.01.18 00.01.32	
5	DOM	eP eS	00.33.30 00.34.19	E: 11.3°N 62.1°W H: 00.32.29
	ST. VIN	iP iS	00.33.02 00.33.29	d
	BARB	eP eS	00.33.16 00.33.51	
	TRIN	iP	00.32.44	
5	TRIN	iP iS	16.43.53 16.44.04	c E: Trinidad Region. H: 16.43.38
5	TRIN	iP iS	17.59.34 17.59.44	E: Trinidad Region. H: 17.59.20
5	TRIN	iP iS	20.23.05 20.23.17	E: Trinidad Region. H: 20.22.49
6	TRIN	eP iS	02.20.38 02.20.49	E: Trinidad Region. H: 02.20.23
7	DOM	eP	00.49.22	E: 16.8°N 60.6°W H: 00.48.54
	ST. VIN	eP eS	00.49.50 00.50.29	
7	ST. VIN	e	01.15.07	
	TRIN	eP	01.15.04	
8	TRIN	eP iS	02.30.47 02.30.59	E: Trinidad Region. H: 02.30.31
9	ST. VIN	eP eS	03.27.42 03.28.12	E: Trinidad Region. H: 03.27.03
	TRIN	iP iS	03.27.20.7 03.27.33.6	
9	ST. VIN	e	18.28.00	
	TRIN	eP	18.27.45	
10	ST. VIN	eP eS	09.27.02 09.27.30	
11	TRIN	eP	00.04.12	USCGS Gives E: 8½°N 83°W H: 23.59.26
12	DOM	eP eS	17.43.(21) 17.43.36	E: About 14½°N 60½°W H: 17.43.04
	ST. VIN	iP iS	17.43.30 17.43.49	
12	ST. VIN	eP iS	18.40.51 18.41.19	E: Trinidad Region. H: 18.40.14
	TRIN	iP iS	18.40.24 18.40.31	
13	TRIN	eP eS	03.31.02 03.31.14	E: Trinidad Region H: 03.30.46
13	TRIN	eP iS	08.47.14 08.47.27	E: Trinidad Region. H: 08.46.57

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956 SEPT. 13	TRIN	eP iS	21.08.59 21.09.08	E: Trinidad Region. H: 21.08.47
14	ST. VIN	eP eS	07.39.02 07.39.31	
	BARB	iP	07.38.44	
14	TRIN	eP iS	13.48.16 13.48.28	E: Trinidad Region. H: 13.48.00
15	TRIN	eP eS	00.48.02 00.48.24	
15	DOM	eP	07.46.01	USCGS Gives E: 20°S 69°W H: 07.39.04 Depth: About 100km.
	ST. VIN	iP	07.45.44	
	BARB	eP	07.45.51	
	TRIN	eP	07.45.24	
15	ST. VIN	iP iS	15.07.34 15.07.56	c E: About 14°N 59½°W H: 15.07.05
	BARB	eP	15.07.21	
16	ANT	iP iS	04.56.28 04.56.55	E: 16.2°N 59.8°W H: 04.55.53
	DOM	eP eS	04.56.23 04.56.42	
	ST. VIN	eP iS	04.56.45 04.57.24	
17	DOM	eP eS	02.45.31 02.45.52	E: 13.9°N 60.2°W H: 02.45.02
	ST. VIN	iP iS	02.45.23 02.45.38	
	BARB	eP	02.45.19	
	TRIN	eP eS	02.45. (57) 02.46.33	
17	ST. VIN	eP eS	09.37.13 09.37.34	
17	DOM	iP eS	10.29.44 10.30.00	E: 14.5°N 62.5°W H: 10.29.21
	ST. VIN	eP iS	10.29.58 10.30.20	
	BARB	eP	10.30.09	
18	TRIN	eP eS	15.43.21 15.43.41	
20	TRIN	iP iS	06.26.35 06.26.41	E: Trinidad Region. H: 06.26.27
20	ST. VIN	iP iS	11.12.52 11.13.02	E: South Windwards Region. H: 11.12.38

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956 SEPT. 21	DOM	iP iS	03.24.27 03.24.33	E: 15.5°N 61.0°W H: 03.24.18
	ST. VIN	iP eS	03.24.55 03.25.30	
21	ST. VIN	eP eS	06.47.21 06.47.45	
21	DOM	iP iS	12.08.48 12.09.21	E: 12.9°N 60.5°W H: 12.08.08
	ST. VIN	iP	12.08.24	
	BARB	iP iS	12.08.25 12.08.59	d
	TRIN	iP iS	12.08.46 12.09.18	c
21	DOM	eP	19.19.04	USCGS Gives E: 26½°S 63°W H: 19.11.59 Depth: About 600km.
	TRIN	eP	19.18.29	
23	DOM	eP eS	02.01.50 02.02.07	E: 16.5°N 60.9°W H: 02.01.29
	ST. VIN	eP eS	02.02.20 02.02.59	
24	ST. VIN	eP eS	05.28.49 05.29.11	E: North Windwards Region. H: 05.28.19
24	TRIN	iP iS	08.11.21 08.11.32	E: Trinidad Region. H: 08.11.06
25	ANT	eP	08.06.17	
	ST. VIN	eP eS	08.05.52 08.06.29	
25	ST. VIN	eP eS	11.00.19 11.00.47	E: Trinidad Region. H: 10.59.42
	TRIN	iP iS	10.59.58 11.00.10	c
25	TRIN	iP iS	13.00.27 13.00.37	d E: Trinidad Region. H: 13.00.13
25	ST. VIN	eP i	18.32.21 18.32.25	USCGS Gives E: 8°N 83°W H: 18.27.25
	TRIN	eP	18.32.16	Small.
25	TRIN	i	18.36.40	
25	TRIN	eP eS	23.32.(54) 23.33.07	
26	DOM	iP	02.37.00	Volcanic Shock??
26	ST. VIN	eP eS	03.27.12 03.27.56	E: Trinidad Region. H: 03.26.15
	TRIN	iP	03.26.39	

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
SEPT. 21	DOM	iP iS	03.24.27 03.24.33	E: 15.5°N 61.0°W H: 03.24.18
	ST. VIN	iP eS	03.24.55 03.25.30	
21	ST. VIN	eP eS	06.47.21 06.47.45	
21	DOM	iP iS	12.08.48 12.09.21	E: 12.9°N 60.5°W H: 12.08.08
	ST. VIN	iP	12.08.24	
	BARB	iP iS	12.08.25 12.08.39	d
	TRIN	iP iS	12.08.46 12.09.18	c
21	DOM	eP	19.19.04	USCGS Gives E: 26½°S 63°W H: 19.11.59 Depth: About 600km.
	TRIN	eP	19.18.29	
23	DOM	eP eS	02.01.50 02.02.07	E: 16.5°N 60.9°W H: 02.01.29
	ST. VIN	eP eS	02.02.20 02.02.59	
24	ST. VIN	eP eS	05.28.49 05.29.11	E: North Windwards Region. H: 05.28.19
24	TRIN	iP iS	08.11.21 08.11.32	E: Trinidad Region. H: 08.11.06
25	ANT	eP	08.06.17	
	ST. VIN	eP eS	08.05.52 08.06.29	
25	ST. VIN	eP eS	11.00.19 11.00.47	E: Trinidad Region. H: 10.59.42
	TRIN	iP iS	10.59.58 11.00.10	c
25	TRIN	iP iS	13.00.27 13.00.37	d E: Trinidad Region. H: 13.00.13
25	ST. VIN	eP i	18.32.21 18.32.25	USCGS Gives E: 8°N 83°W H: 18.27.25
	TRIN	eP	18.32.16	Small.
25	TRIN	i	18.36.40	
25	TRIN	eP eS	23.32.(54) 23.33.07	
26	DOM	iP	02.37.00	Volcanic Shock??
26	ST. VIN	eP eS	03.27.12 03.27.56	E: Trinidad Region. H: 03.26.15
	TRIN	iP	03.26.39	

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956 SEPT. 26	DOM	eP iS	08.41.(07) 08.41.24	E: 14.4°N 60.6°W H: 08.40.44
	ST. VIN	iP iS	08.41.06 08.41.22	
	BARB	eP	08.41.11	
26	ANT	iP iS	10.01.31 10.02.02	E: 15.8°N 59.5°W H: 10.00.49
	DOM	eP eS	10.01.20 10.01.40	
	ST. VIN	eP iS	10.01.36 10.02.13	
	BARB	eP	10.01.31	
	TRIN	eP eS	10.02.10 10.03.08	
26	ANT	iP iS	10.04.49 10.05.19	E: 15.7°N 59.4°W H: 10.04.05
	DOM	eP iS	10.04.37 10.04.59	
	ST. VIN	iP iS	10.04.53 10.05.34	
	BARB	eP	10.04.48	
	TRIN	eP eS	10.05.26 10.06.27	
27	DOM	iP iS	11.38.21 11.38.31	E: 15.2°N 60.8°W H: 11.38.09
	ST. VIN	iP iS	11.38.42 11.39.06	
27	ST. VIN	iP eS	21.21.36 21.22.05	E: Trinidad Region. H: 21.20.58
	TRIN	iP iS	21.21.15 21.21.27	
28	ST. VIN	eP iS	10.13.43 10.14.03	E: Trinidad Region. H: 10.13.17
	TRIN	eP iS	10.13.34 10.13.47	
28	ST. VIN	eP iS	14.59.09 14.59.34	E: Trinidad Region. H: 14.58.36
	TRIN	iP	14.58.51	o
28	TRIN	eP iS	16.41.19 16.41.30	E: Trinidad Region. H: 16.41.04
29	DOM	eP eS	01.31.24 01.31.37	E: 14.5°N 61.8°W H: 01.31.08
	ST. VIN	eP eS	01.31.32 01.31.52	
29	✓ ST. VIN	eP'	09.23.27	USCGS Gives E: 7½°N 94½°E H: 09.03.37
	✓ TRIN	eP'	09.23.31	Small.

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956 SEPT. 29	✓ ST. VIN	eP	11.37.57	USCGS Gives E: 12°S 78°W H: 11.31.40
	✓ BARB	eP	11.38.05	
	✓ TRIN	eP	11.37.33	
29	ST. VIN	eP eS	13.22.59 13.23.33	E: Trinidad Region. H: 13.22.21
	TRIN	iP iS	13.22.38.3 13.22.51.3	
29	TRIN	iP iS	21.38.41.5 21.38.52.7 <i>M</i>	E: Trinidad Region. H: 21.38.26
30	✓ ANT	eP'	15.01.01	USCGS Gives E: 14°N 144°E H: 14.41.44 Depth: About 100km.
	✓ ST. VIN	eP'	15.01.08	
	✓ BARB	eP'	15.01.15	
	✓ TRIN	eP'	15.01.12	

... (mirrored text from reverse side) ...

Volcanological Research Department,
Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, B. W. I.

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... (mirrored text from reverse side) ...

Lat. 10° 40' N Long. 61° 31' W Elev. c. 3000 ft. a.s.l.
Lat. 10° 35' N Long. 61° 35' W Elev. c. 3000 ft. a.s.l.

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 seismometers and recorders, with the following characteristics.

Seismometer period.....	1.0 secs.
Galvanometer period.....	0.25secs.
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 $\frac{1}{3}$ rd, St. Vincent 1/1, St. Lucia and Barbados 1/10th, Dominica $\frac{1}{3}$ rd, Antigua $\frac{1}{3}$ rd.

The recording is photographic and the paper speed can be set to 53mm/min or 13mm/min. Trinidad, Grenada, St. Vincent, St. Lucia, and Barbados normally operate at the higher paper speed and Dominica and Antigua at the lower speed.

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

Where time signals are recorded automatically on 53mm/min records, times for impulsive phrases are quoted to the nearest 1/10th second. Otherwise all phases are quoted to the nearest second.

*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. c. 227m.a.s.l.

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
OCT. 1	ST. VIN	iP iS	02.42.33 02.42.46	E: 12.7°N 60.5°W H: 02.42.18
	BARB	eP	02.42.36	
1	ANT	iP iS	09.02.50 09.03.10	E: 15.8°N 60.4°W H: 09.02.19
	DOM	iP iS	09.02.36 09.02.51	d
	ST. VIN	eP iP iS	09.03.01 09.03.03 09.03.36	
	BARB	eP	09.03.(13)	
	TRIN	eP eS	09.03.37 09.04.37	
1	ANT	iP iS	16.19.24 16.19.48	E: 15.0°N 62.4°W H: 16.18.48
	DOM	iP	16.19.06	d
	ST. VIN	iP i	16.19.21.9 16.19.57.4	d
	BARB	iP iS	16.19.33 16.20.10	c
	TRIN	eP eS	16.19.53 16.20.46	
1	DOM	iP iS	18.59.24 18.59.35	E: 15.9°N 60.7°W H: 18.59.07
	ST. VIN	eP iS	18.59.51 19.00.26.4	
2	DOM	eP eS	03.08.(03) 03.08.46	E: 11.2°N 62.5°W H: 03.06.53
	ST. VIN	iP iS	03.07.30.3 03.08.07.3	c
	BARB	eP e	03.07.46 03.08.19	
	TRIN	iP iS	03.07.11.3 03.07.25	
3	ST. VIN	eP eS	02.54.50 02.55.15	E: Trinidad Region. H: 02.54.16
	TRIN	iP iS	02.54.31 02.54.43	
3	DOM	e(P)	08.26.00	USCGS Gives E: 20°S 69½°W H: 08.18.46 Depth: About 100km.
	ST. VIN	eP	08.25.21	
	TRIN	eP	08.25.03	

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956 OCT. 3	ANT	eP iP	16.40.17 16.40.21	E: 10.4°N 63.7°W H: 16.38.32
	DOM	iP eS	16.39.53 16.40.53	
	ST. VIN	iP iS	16.39.26 16.40.09	
	BARB	eP	16.39.46	
	TRIN	eP iP iS	16.39.06 16.39.08 16.39.32	
3	ANT	iP iS	22.28.51 22.29.16	E: 15.0°N 60.8°W H: 22.28.14
	DOM	iP iS	22.28.26 22.28.36	c
	ST. VIN	eP iP iS	22.28.43 22.28.44 22.29.10	
4	TRIN	eP i eS	00.12.53 00.12.55 00.13.20	
4	ANT	iP iS	04.41.32 04.41.42	
4	TRIN	eP eS	11.19.14 11.19.41	
5	TRIN	eP eS	07.52.09 07.52.30	
5	TRIN	iP iS	09.51.06 09.51.19	d E: Trinidad Region. H: 09.50.49
5	TRIN	iP iS	10.40.11 10.40.23	E: Trinidad Region. H: 10.39.55
5	DOM	iP iS	11.27.16 11.27.19	c Volcanic Shock??
5	DOM	iP iS	11.42.41 11.42.43	c Volcanic Shock?
5	DOM	iP iS	11.48.02 11.48.04	c Volcanic Shock??
6	TRIN	iP iS	02.03.10 02.03.23	d E: Trinidad Region H: 02.02.53
6	TRIN	eP'	06.36.57	USCGS Gives E: 21°N 126½°E H: 06.15.57
7	ANT	iP iS	00.50.35 00.50.52	E: 16.6°N 60.5°W H: 00.55.11
	DOM	iP iS	00.50.37 00.50.57	
	ST. VIN	iP	00.51.04	
	BARB	e	00.51.(15)	
	TRIN	eP	00.51.(42)	

DATE	STATION	PHASE	TIME G.M.T.	MOTION
1956				
OCT. 8	DOM	e(P)	04.48.45	
	ST. VIN	e(P)	04.48.49	
	BARB	e(P)	04.48.58	
	TRIN	e(P)	04.48.53	
8	TRIN	iP iS	07.16.38 07.16.48	c E: Trinidad Region. H: 07.16.24
8	ANT	iP iS	14.08.11 14.08.28	E: About $16\frac{1}{2}^{\circ}$ N 61° E H: 14.07.48
	ST. VIN	eP eS	14.08.(40) 14.09.14	
11 ✓	ANT	eP [†] e	02.43.04 02.43.35	USCGS Gives E: 46° N $150\frac{1}{2}^{\circ}$ E H: 02.24.33 Depth: About 100km.
✓	DOM	eP [†] ePP	02.43.04 02.43.54	
✓	ST. VIN	eP [†] ePP	02.43.(28) 02.43.55	
✓	BARB	e	02.43.54	
✓	TRIN	eP [†]	02.43.09	
11	TRIN	iP eS	09.58.43.3 09.58.55	E: Trinidad Region. H: 09.58.28
11 ✓	ANT	iP	16.58.59	USCGS Gives E: $40\frac{1}{2}^{\circ}$ N $126\frac{1}{2}^{\circ}$ W H: 16.48.46
✓	DOM	iP	16.59.07	
✓	BARB	eP	16.59.29	
✓	TRIN	eP	16.59.(22)	
12 ✓	ANT	iP	02.44.39	USCGS Gives E: 15° S $74\frac{1}{2}^{\circ}$ W H: 02.37.43
✓	DOM	eP	02.44.22	
✓	BARB	eP	02.44.17	
✓	TRIN	eP	02.43.49	Very small.
13	TRIN	iP iS	04.25.22.9 04.25.28.3	E: Trinidad Region. H: 04.25.15
13	DOM	eP iS	04.48.55 04.49.48	E: 12.6° N 57.6° W H: 04.47.46
	ST. VIN	iP iS	04.48.41 04.49.21	d
	BARB	iP iS	04.48.22.2 04.48.52.5	c
	TRIN	eP iS	04.48.51 04.49.41	
13 ✓	DOM	eP	05.07.05	USCGS Gives E: $9\frac{1}{2}^{\circ}$ N 70° W H: 05.04.40
✓	ST. VIN	iP	05.06.53	d
✓	BARB	eP	05.07.17	
✓	TRIN	iP eS	05.06.41 05.08.10	

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
OCT. 13	ST. VIN	eP	07.12.41	
	TRIN	iP e	07.12.30.3 07.14.00	
13	DOM	iP iS	08.00.35 08.00.46	c E: About 16°N 61°W H: 08.00.20
	ST. VIN	iP iS	08.01.02 08.01.36	
	TRIN	eP eS	08.01.(38) 08.02.36	
13	ST. VIN	eP e	11.44.37 11.46.23	
	TRIN	eP e	11.44.25 11.45.58	
13	TRIN	eP eS	13.22.51 13.23.09	
13	DOM	eP'	19.13.36	USCGS Gives E: 5°S 149½°E H: 18.54.06 Depth: About 150km.
	ST. VIN	iP' i	19.13.36 19.13.51	
	TRIN	eP' e e	19.13.31 19.13.36 19.13.50	
13	TRIN	eP	19.26.13	
13	DOM	eP iS	20.53.00 20.53.21	E: 15.6°N 59.9°W H: 20.52.35
	ST. VIN	eP iS	20.53.19 20.53.51	
14	TRIN	iP iS	13.41.45 13.41.53	E: Trinidad Region. H: 13.41.34
15	ST. VIN	iP eS	05.17.59 05.18.24	E: 11.4°N 60.5°W H: 05.17.28
	GREN	eP eS	05.17.51 05.18.08	
	TRIN	eP eS	05.17.48 05.18.02	
15	ST. VIN	eP eS	09.48.21 09.48.48	E: 11.2°N 62.2°W H: 09.47.46
	GREN	iP iS	09.48.04 09.48.17	d
	TRIN	eP iS	09.48.00 09.48.10	

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956 OCT. 15	DOM	iP i iS	23.47.16 23.47.23 23.47.36	E: 14.8°N 61.6°W H: 23.46.53
	ST. VIN	iP i iS	23.47.25 23.47.38 23.47.52	d
	BARB	iP e iS	23.47.36.2 23.48.00 23.48.14	d
	TRIN	eP e	23.47.54 23.48.32	
16	GRIN	eP eS	01.56.10 01.56.25	E: Trinidad Region. H: 01.55.49
	TRIN	eP eS	01.56.10 01.56.26	
16	ST. VIN	iP iS	10.41.08 10.31.37	E: 11.9°N 58.6°W H: 10.30.21
	BARB	e(P)	10.31.02	
	TRIN	iP iS	10.31.11 10.31.36	
18	TRIN	iP iS	03.26.33.4 03.26.38.5	d E: Trinidad Region. H: 03.26.26
19	ANT	iP iS	21.04.39 21.05.01	E: 15.5°N 60.5°W H: 21.04.05
	DOM	iP iS	21.04.21 21.04.32	
	ST. VIN	eP eS	21.04.43 21.05.14	
21	ST. VIN	eP	15.10.38	
	TRIN	eP e	15.10.26 15.11.58	
22	DOM	CP eS	03.03.31 03.03.48	E: About 14°N 61°W H: 03.03.09
	ST. VIN	eP iS	03.03.28 03.03.43	
22	ST. VIN	eP	05.00.56	
	TRIN	e e	05.00.42 05.01.20	
22	TRIN	eP iS	05.55.27 05.55.38.0	E: Trinidad Region. H: 05.55.12
22	TRIN	eP iS	06.48.57 06.49.08.3	E: Trinidad Region. H: 06.48.42
22	TRIN	iP iS	07.55.54 07.56.06	E: Trinidad Region. H: 07.55.38

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
OCT. 22	ANT	iP iS	09.24.26 09.24.47	E: 15.4°N 62.8°W H: 09.23.54
	DOM	eP iS	09.24.17 09.24.38	
	ST. VIN	iP	09.24.36	d
22	ANT	iP i	12.55.06 12.55.11	
	DOM	e	12.55.(07)	
	ST. VIN	iP	12.55.02	
	TRIN	eP	12.55.02	
23	ST. VIN	iP	08.14.29	
23	ANT	iP' i	09.01.06 09.01.10	USCGS Gives E: 13½°N 120½°E H: 08.41.22 Depth: About 100km.
	DOM	eP' i	09.01.04 09.01.10	
	ST. VIN	eP'	09.01.13	
	TRIN	eP'	09.01.11	
23	TRIN	eP	22.53.10	
24	ANT	iP i e(L)	14.47.39 14.47.43 14.58.(00)	USCGS Gives E: 12°N 87°W H: 14.42.11
	DOM	eP i	14.47.36 14.47.41	
	ST. VIN	iP	14.47.34	
	BARB	eP i	14.47.54 14.48.08	
	TRIN	eP	14.47.31	
25	ANT	eP	05.27.06	
	DOM	eP	05.27.07	
	ST. VIN	eP	05.27.03	
	BARB	e	05.27.20	
	TRIN	eP	05.26.59	
25	TRIN	eP	06.55.(05)	
25	ANT	eP iS	20.09.36 20.10.14	
25	ST. VIN	eP iS	20.42.00 20.42.36	E: Trinidad Region. H: 20.41.13
	TRIN	iP	20.41.26.6	d
26	ANT	eP'	23.09.46	USCGS Gives E: 14°S 167°E H: 22.50.24
	ST. VIN	eP'	23.09.(41)	
	TRIN	eP'	23.09.41	

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956 OCT. 28	TRIN	eP iS	06.53.06 06.53.21	
28	✓ ANT	iP'	11.05.03	USCGS Gives E: 14°N $123\frac{1}{2}^{\circ}\text{E}$ H: 10.45.08
	✓ DOM	eP'	11.05.04	
	✓ ST. VIN	eP'	11.05.(13)	
	✓ TRIN	eP'	11.05.13	
29	TRIN	eP	02.40.36	
29	ANT	iP iS	08.08.28 08.08.38	
29	✓ ANT	iP	15.48.18	USCGS Gives E: $8\frac{1}{2}^{\circ}\text{S}$ 77°W H: 15.42.08 Depth. About 60km.
	✓ DOM	eP	15.48.(1)	
	✓ ST. VIN	eP	15.47.44	
	✓ BARB	iP	15.47.59	
	✓ TRIN	eP	15.47.29	
30	ST. VIN	eP	07.24.48	
		e(S)	07.25.28	
30	✓ DOM	eP	22.57.03	USCGS Gives E: 5°N 79°W H: 22.52.27
	✓ ST. VIN	eP	22.56.46	
	✓ BARB	eP	22.57.10	
31	✓ ST. VIN	eP	00.07.24	USCGS Gives E: 5°N 79°W H: 00.03.04
	✓ TRIN	eP	00.07.12	
31	DOM	eP iP eS	23.07.42 23.07.45 23.08.24	E: 11.3°N 61.8°W H: 23.06.44
	ST. VIN	iP i iS	23.07.15 23.07.17 23.07.36	
	BARB	eP i eS	23.07.28 23.07.29 23.08.01	
	TRIN	iP	23.06.56	

STATIONS REPORTED

10° 44' N long. 61° 53' W Elev. 4,320 ft.	TRINIDAD (TRIN)*
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)
10° 40' N long. 61° 51' W Elev. 4,320 ft.	TRINIDAD (TRIN)

Volcanological Research Department,
Regional Research Centre,

Imperial College of Tropical Agriculture,

Trinidad, B. W. I.

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

Seismometer period.....1.0 sec.	NOV 1956.
Galvanometer period.....0.3 sec.	
Velocity sensitivity.....100 cm/sec	
Amplification (mechanical).....100,000	

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 (TRIN), Grenada (GRN), St. Vincent (ST. VIN) and Barbados (BARB) 1/2000
Dominica (DOM) 1/1000

The recording is photographic and the paper speed can be set to 50 cm/sec or 100 cm/sec. Trinidad, Grenada, St. Vincent, St. Lucia and Barbados normally operate at the latter paper speed and Dominica and Antigua at the lower speed.
WW time signals are marked on the records daily, approximately 12 radio reception errors, or normally otherwise.
Where time signals are recorded automatically on St. Vincent records, these for specific purposes are noted to the nearest 1/100th second. Observations all papers are noted to the nearest second.

*On January 1st 1955, the Trinidad station was transferred to
Lat. 10° 40' N long. 61° 51' W Elev. 4,320 ft.
Lat. 10° 44' N long. 61° 53' W Elev. 4,320 ft.

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 seismometers and recorders, with the following characteristics.

- Seismometer period.....1.0 secs.
- Galvanometer period.....0.25secs.
- 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 1/3rd, St. Vincent 1/1, St. Lucia and Barbados 1/10th, Dominica 1/3rd, Antigua 1/3rd.

The recording is photographic and the paper speed can be set to 53mm/min or 13mm/min. Trinidad, Grenada, St. Vincent, St. Lucia, and Barbados normally operate at the higher paper speed and Dominica and Antigua at the lower speed.

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

Where time signals are recorded automatically on 53mm/min records, times for impulsive phrases are quoted to the nearest 1/10th second. Otherwise all phases are quoted to the nearest second.

*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. c. 227m.a.s.l.

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
NOV 1	TRIN	eP iS	19.55.20 19.55.27	E: Trinidad Region H: 19.55.10
1	DOM	iP iS	22.56.13 22.56.26	E: 14.9°N 60.2°W H: 22.55.55
	ST.VIN	iP iS	22.56.26 22.56.49	
	BARB	eP	22.56.(36)	
	TRIN	eP eS	22.57.(05) 22.57.50	
2	DOM	iP eS	00.14.47 00.15.04	E: About 14 $\frac{1}{2}$ °N 62 $\frac{1}{2}$ °W H: 00.14.23
	ST. VIN	eP eS	00.14.55 00.15.20	
	BARB	eP	00.15.27	
2	ST.VIN	eP eS	00.35.40 00.35.53	E: South Windwards Region H: 00.35.23
	BARB	eP	00.35.32	
2	DOM	eP eS	01.10.01 01.10.14	E: 15.0°N 60.3°W H: 01.09.42
	ST.VIN	eP eS	01.10.14 01.10.38	
2	DOM	iP iS	20.49.22 20.49.36	E: 15.2°N 60.7°W H: 20.49.05 Depth: About 100km.
	ST.VIN	iP	20.49.39	
	BARB	iP eS	20.49.43 20.50.06	c
	TRIN	eP eS	20.50.12 20.51.02	
3	TRIN	eP eS	02.53.24 02.53.37	E. Trinidad Region H: 02.53.07
4	TRIN	eP iS	09.10.27 09.10.38	E: Trinidad Region H: 09.10.12
4	TRIN	iP iS	16.51.18.5 16.51.25.6	E: Trinidad Region H: 16.51.09
5	ST.VIN	iP iS	02.01.56 02.02.13	E: 14.2°N 60.1°W H: 02.01.28
	BARB	eP	02.01.48	
	TRIN	eP eS	02.02.25 02.03.04	
5	TRIN	iP iS	08.30.38.0 08.30.51.0	E: Trinidad Region H: 08.30.21
5	TRIN	iP eS	18.10.53.8 18.11.11	
5	TRIN	iP iS	19.37.02.7 19.37.12.7	a E: Trinidad Region H: 19.36.49
7	TRIN	iP iS	17.23.25 17.23.38	c E: Trinidad Region H: 17.23.08

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
NOV 9	✓ ST.VIN	eP	13.12.27	USCGS Gives E: 17°N 94°W H: 13.06.10 Depth: About 150km.
	✓ BARB	e	13.13.35	
	✓ TRIN	eP	13.12.(31)	
9	TRIN	iP iS	22.54.36 22.54.47	E: Trinidad Region H: 22.54.21
9	ST.VIN	eP eS	23.39.20 23.39.48	E: North Windwards Region H: 23.38.45
10	TRIN	iP i(S)	05.21.46 05.21.49	
10	TRIN	eP iS	09.08.47 09.09.00	E: Trinidad Region H: 09.08.30
11	TRIN	eP iS	00.25.43 00.25.55	E: Trinidad Region H: 00.25.27
13	TRIN	iP iS	18.59.46 18.59.57	E: Trinidad Region H: 18.59.31
14	TRIN	iP iS	14.01.23 14.01.37	
16	DOM ✓	eP	11.56.45	USCGS Gives E: 8½°N 71°W H: 11.53.54
	✓ ST.VIN	eP	11.56.27	
	✓ BARB	eP	11.56.54	
	✓ TRIN	iP	11.56.15	
17	TRIN	eP eS	12.29.54 12.30.17	
19	TRIN	iP iS	02.37.31 02.37.40	E: Trinidad Region H: 02.37.19
19	TRIN	eP eS	08.52.44 08.53.05	
✓ 19	✓ ST.VIN	eP'	12.21.40	USCGS Gives E: 12½°N 143½°E H: 12.02.06
	✓ TRIN	eP'	12.21.50	
19	TRIN	eP iS	22.14.32 22.14.40	E: Trinidad Region H: 22.14.21
20	TRIN	eP eS	00.23.05 00.23.17	E: Trinidad Region H: 00.22.49
22	DOM	eP	08.37.35	USCGS Gives E: About 200 miles of South coast of Panama H: 08.52.22
	✓ ST.VIN	iP	08.37.33	
23	ST.VIN	eP	00.16.12	
	TRIN	iP	00.15.53	
23	ST.VIN	iP iS	09.15.05 09.15.43	E: Trinidad Region H: 09.14.14
	TRIN	iP iS	09.14.44 09.15.07	
23	TRIN	iP	12.24.03	a

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
NOV 25	TRIN	eP iS	02.43.18 02.43.29	E: Trinidad Region H: 02.43.03
25	ST.VIN	iP	14.21.28	USCGS Gives E: $18\frac{1}{2}^{\circ}$ S 72° W H: 14.14.57
	TRIN	eP	14.21.09	
26	DOM	eP	18.57.37	USCGS Gives E: 26° S $70\frac{1}{2}^{\circ}$ W H: 18.49.56 Depth: About 100km.
	ST.VIN	eP	18.57.20	
27	ST.VIN	eP eS	01.43.46 01.44.07	
27	ST.VIN	iP iS	02.26.55 02.27.16	
27	ST.VIN	iP iS	10.55.35 10.55.56	
28	ST.VIN	iP iS	03.22.22 03.22.36	d
28	ANT	eP'	19.45.52	USCGS Gives E: $49\frac{1}{2}^{\circ}$ N 155° E H: 19.27.11
	DOM	eP'	19.46.01	
	ST.VIN	eP'	19.46.16	
29	ANT	iP	04.25.30	USCGS Gives E: 58° S $46\frac{1}{2}^{\circ}$ W H: 04.13.35
	DOM	iP	04.25.16	
	ST.VIN	eP	04.25.02	
	TRIN	eP	04.24.50	
29	ST.VIN	eP eS	06.32.53 06.33.11	
	TRIN	iP iS	06.32.49 06.33.05	
30	ANT	eP e	14.35.22 14.36.03	E: 15.4° N 60.8° W H: 14.34.49
	DOM	eP iS	14.35.00 14.35.11	
	ST.VIN	eP eS	14.35.(27) 14.35.57	
30	ANT	iP	19.39.10	USCGS Gives E: $31\frac{1}{2}^{\circ}$ S 70° W H: 19.30.34 Depth: About 150km.
	DOM	eP	19.38.39	
	ST.VIN	iP	19.38.36	
	TRIN	eP	19.38.20	

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Volcanological Research Department,
 Regional Research Centre,
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 Trinidad, B. W. I.

DEC 1956

Seismological Bulletin.

The sensitivities at the stations are varied to suit local conditions and the
 on their values given above should be multiplied by the following factors:
 St. Vincent (A), St. Lucia and St. Kitts (1/100)
 St. John and St. Andrew (1/100)
 The recording is photographic and the paper speed can be set to 500 cm/sec or
 1000 cm/sec. Trinidad, Grenada, St. Vincent, St. Lucia and St. Kitts normally operate at
 1000 cm/sec and St. John and St. Andrew at 500 cm/sec.
 The data are plotted on the records daily, automatically if radio reception
 is available or manually otherwise.
 These data are recorded automatically on 24-hour records, three for
 each day. The records are plotted in the nearest 1000 cm/sec. Channels are
 plotted on the nearest record.
 On January 1st 1956, the Trinidad station was covered from
 10° 40' N Lat. 61° 15' W Long. to 10° 45' N Lat. 61° 15' W Long.
 10° 45' N Lat. 61° 15' W Long. to 10° 50' N Lat. 61° 15' W Long.

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 seismometers and recorders, with the following characteristics.

- Seismometer period.....1.0 secs.
- Galvanometer period.....0.25secs.
- 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 1/3rd, St. Vincent 1/1, St. Lucia and Barbados 1/10th, Dominica 1/3rd, Antigua 1/3rd.

The recording is photographic and the paper speed can be set to 53mm/min or 13mm/min. Trinidad, Grenada, St. Vincent, St. Lucia, and Barbados normally operate at the higher paper speed and Dominica and Antigua at the lower speed.

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

Where time signals are recorded automatically on 53mm/min records, times for impulsive phrases are quoted to the nearest 1/10th second. Otherwise all phases are quoted to the nearest second.

*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. c. 227m.a.s.l.

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
DEC. 1	DOM	eP iS	03.55.47 03.55.55	
1	✓ ST. VIN	eP	21.31.31	USCGS Gives E: $17\frac{1}{2}^{\circ}\text{S}$ $72\frac{1}{2}^{\circ}\text{W}$ H: 21.24.54
2	✓ ANI	iP i(S)	01.47.30 01.48.48	USCGS Gives E: $18\frac{1}{2}^{\circ}\text{N}$ 69°W H: 01.45.48
	✓ DOM	iP	01.47.40	
	✓ ST. VIN	eP iP eS	01.47.53 01.47.54 01.49.(18)	
	✓ TRIN	eP	01.48.17	
5	ST. VIN	iP iS	07.45.48 07.46.17	E: About 11°N 62°W H: 07.45.15
	TRIN	iP	07.45.26	
6	ST. VIN	iP iS	12.03.24 12.03.41	E: About 14°N $60\frac{1}{2}^{\circ}\text{W}$ H: 12.03.03
✓ 8	✓ TRIN	eP	16.24.03	USCGS Gives E: 51°N $179\frac{1}{2}^{\circ}\text{W}$ H: 16.10.27
9	TRIN	eP iS	03.08.10 03.08.19.5	E: Trinidad Region. H: 03.07.57
9	TRIN	iP iS	21.07.11 21.07.17	E: Trinidad Region. H: 21.07.03
10	✓ ST. VIN	iP'	17.07.53	USCGS Gives E: 15°S 152°E H: 16.48.21 Depth: About 60km.
	✓ BARB	i	17.08.(05)	
	✓ TRIN	eP'	17.07.54	
15	TRIN	eP iS	15.40.07 15.40.15	E: Trinidad Region. H: 15.39.56
13	✓ ST. VIN	iP'	19.54.05	USCGS Gives E: 12°N 143°E H: 19.34.24
	✓ TRIN	eP'	19.54.10	
16	✓ DOM	eP	01.46.07	USCGS Gives E: $6\frac{1}{2}^{\circ}\text{N}$ 78°W H: 01.41.52
	✓ ST. VIN	eP	01.46.02	
	✓ BARB	eP	01.46.07	
	✓ TRIN	eP	01.45.49	
16	DOM	iP iS	21.31.00 21.31.12	E: 15.3°N 60.5°W H: 21.30.44
	ST. VIN	iP iS	21.31.20 21.31.49	
17	TRIN	iP iS	04.02.14 04.02.26	E: Trinidad Region. H: 04.01.58
17	DOM	eP eS	08.18.49 08.19.38	E: 11.5°N 60.0°W H: 08.17.48
	ST. VIN	iP iS	08.18.21 08.18.47	
	TRIN	iP iS	08.18.16 08.18.55	

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956				
DEC. 17	DOM	iP iS	11.02.38 11.02.50	
18	DOM	eP	02.38.51	USCGS Gives E: $25\frac{1}{2}^{\circ}\text{S}$ $68\frac{1}{2}^{\circ}\text{W}$ H: 02.31.00
	ST. VIN	eP	02.38.52	
	TRIN	eP	02.38.17	
22	TRIN	iP iS	04.01.16 04.01.26	E: Trinidad Region, H: 04.01.02
23	TRIN	eP iS	00.11.16 00.11.29	E: Trinidad Region, H: 00.10.59
24	ST. VIN	eP iS	01.28.02 01.28.30	E: Trinidad Region, H: 01.27.28
	TRIN	iP iS	01.27.38 07.27.43	c
24	TRIN	eP iS	07.47.27 07.47.38	E: Trinidad Region, H: 07.47.12
25	ST. VIN	eP	09.41.57.	USCGS Gives E: $48\frac{1}{2}^{\circ}\text{N}$ 28°W H: 09.33.37
25	ST. VIN	iP iS	00.44.12 00.44.41	E: North Windwards Region, H: 00.43.28
	BARB	eP	00.44.19	
	TRIN	eP eS	00.44.(41) 00.45.35	
26	DOM	eP iS	17.41.24 17.41.39	
27	ST. VIN	eP iS	12.04.31 12.04.56	
27	DOM	iP iS	14.20.00 14.20.04	E: 14.8°N 62.2°W H: 14.19.43
	ST. VIN	iP eS	14.20.14 14.20.40	
28	ST. VIN	iP iS	09.34.48 09.35.26	E: 11.1°N 59.0°W H: 09.34.00
	BARB	eP	09.34.33	
	TRIN	iP iS	09.34.40 09.35.06	
28	TRIN	eP iS	21.49.49 21.50.00	E: Trinidad Region, H: 21.49.34
29	TRIN	eP'	04.00.21	USCGS Gives E: $5\frac{1}{2}^{\circ}\text{S}$ 151°E H: 03.40.19 Depth: About 60km.
29	DOM	eP iS	07.53.34 07.53.53	
29	TRIN	iP iS	20.56.45 20.56.52	d E: Trinidad Region, H: 20.56.35

<u>DATE</u>	<u>STATION</u>	<u>PHASE</u>	<u>TIME G.M.T.</u>	<u>MOTION</u>
1956 DEC.31	DOM	iP	16.35.39	E: 14.8°N 60.6°W H: 16.35.22
	ST. VIN	iP iS	16.35.51 16.36.13	c
	BARB	eP	16.35.53	
	TRIN	eP eS	16.36.23 16.37.09	
31	ST. VIN	eP iS	20.09.54 20.10.14	E: Trinidad Region. H: 20.08.38
	BARB	e	20.09.(59)	
	TRIN	iP iS	20.08.51 20.09.04	