

Profile

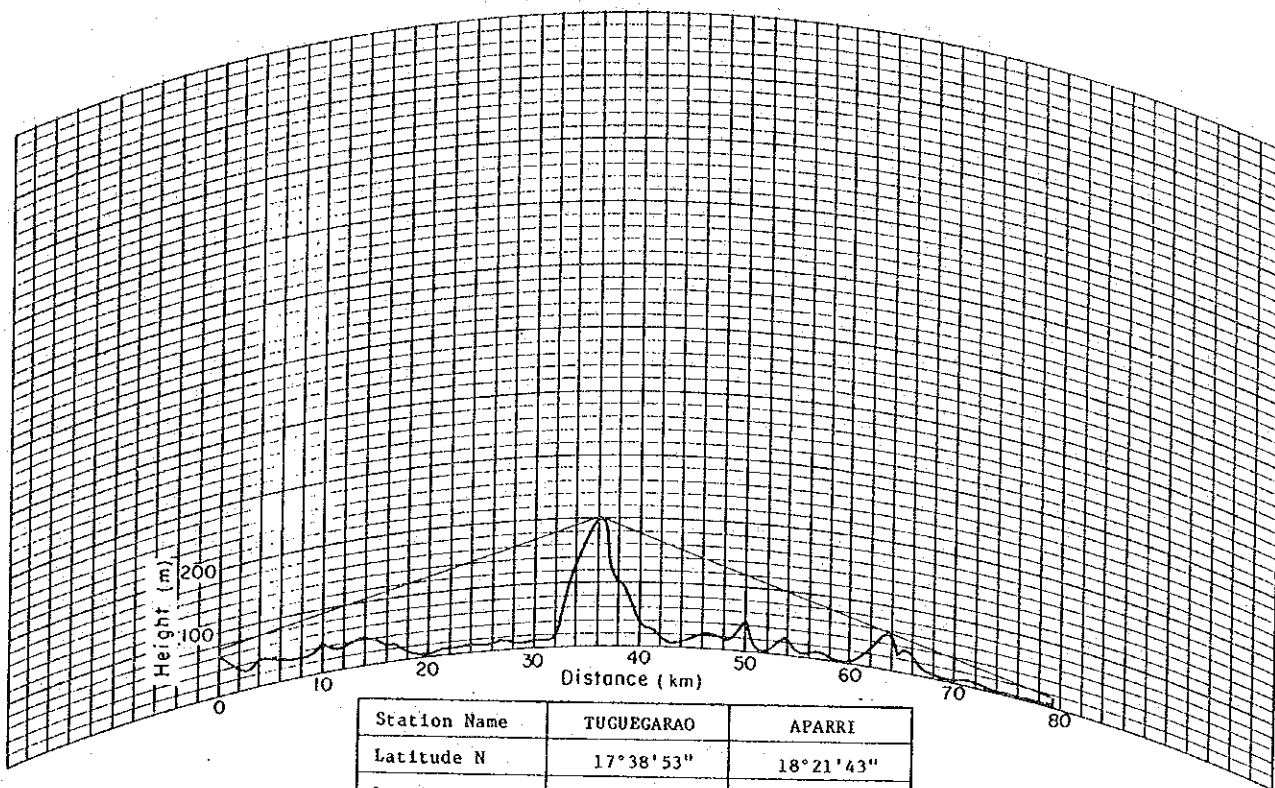


Fig.A.8 (1/31)

Station Name	TUGUEGARAO	APARRI
Latitude N	17°38'53"	18°21'43"
Longitude E	121°45'34"	121°37'45"
Altitude (m)	61	2
Distance (km)	79.4	

No. V-1

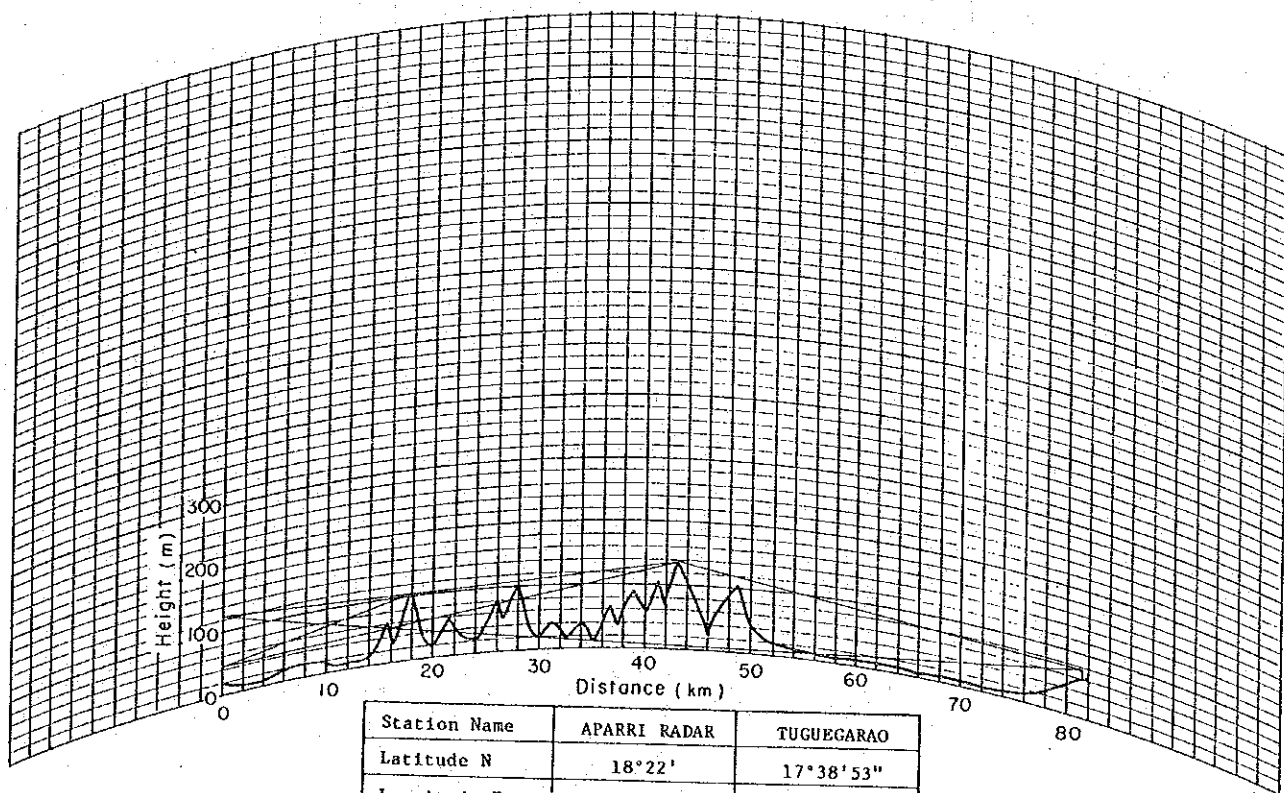


Fig.A.8 (2/31)

Station Name	APARRI RADAR	TUGUEGARAO
Latitude N	18°22'	17°38'53"
Longitude E	121°37'	121°45'34"
Altitude (m)	30	61
Distance (km)	81.5	

No. V-2

Profile

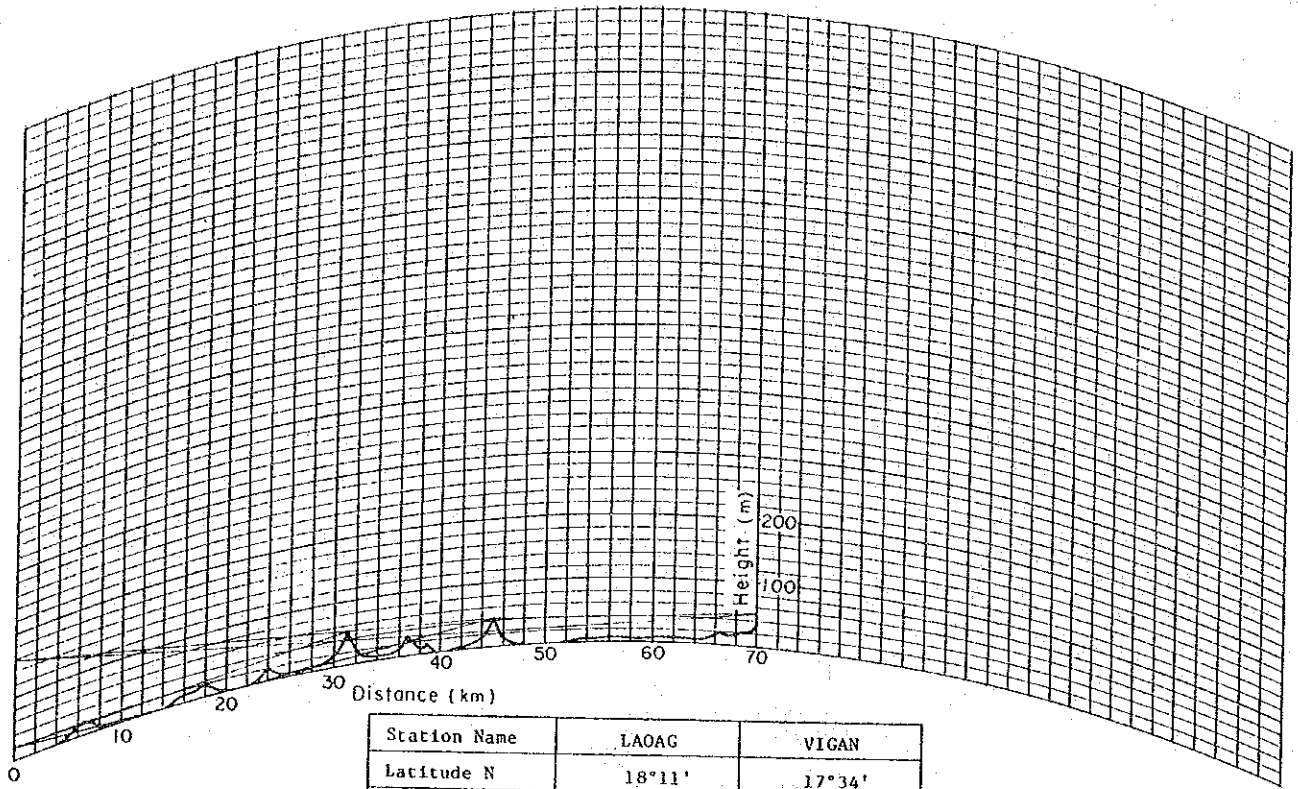


Fig.A.8 (3/31)

Station Name	LAOAG	VIGAN
Latitude N	18°11'	17°34'
Longitude E	120°32'	120°23'
Altitude (m)	4	31
Distance (km)	70.0	

No. V-3

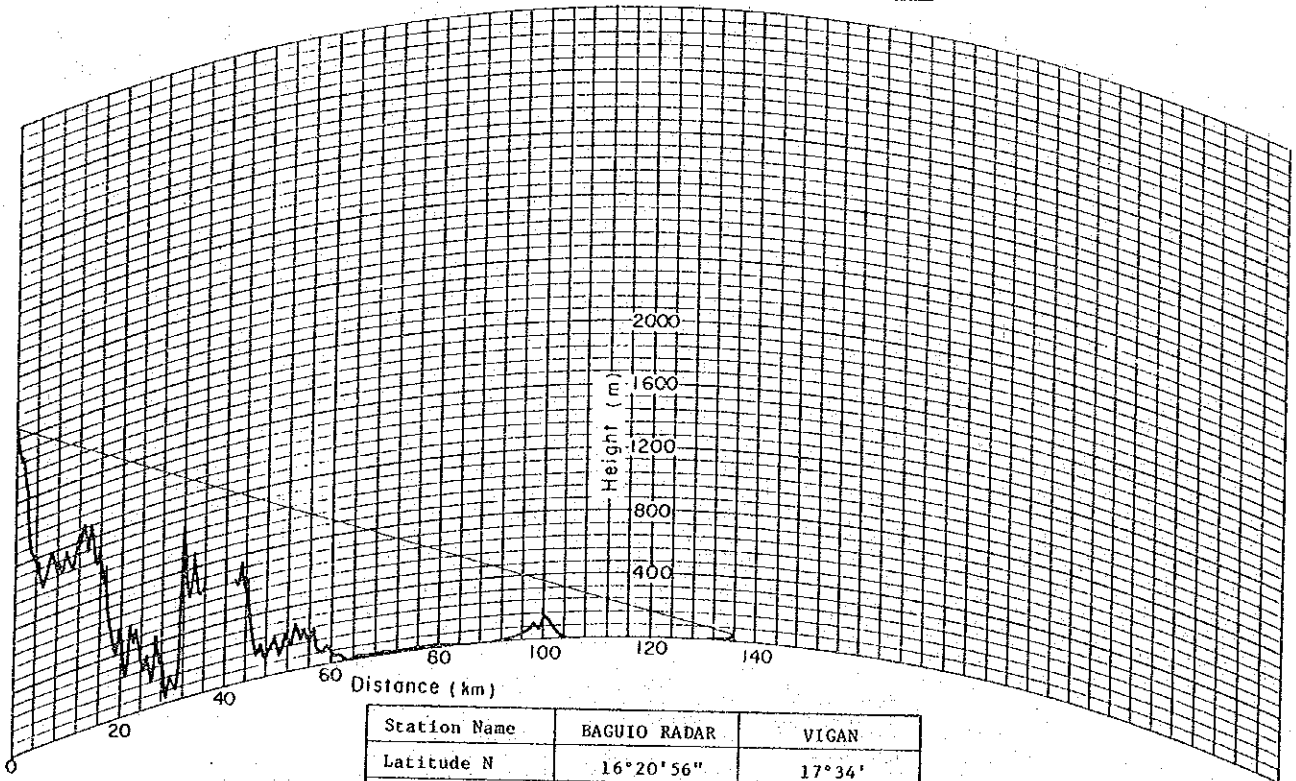


Fig.A.8 (4/31)

Station Name	BAGUIO RADAR	VIGAN
Latitude N	16°20'56"	17°34'
Longitude E	120°33'17"	120°23'
Altitude (m)	2056	31
Distance (km)	135.8	

No. V-4

Profile

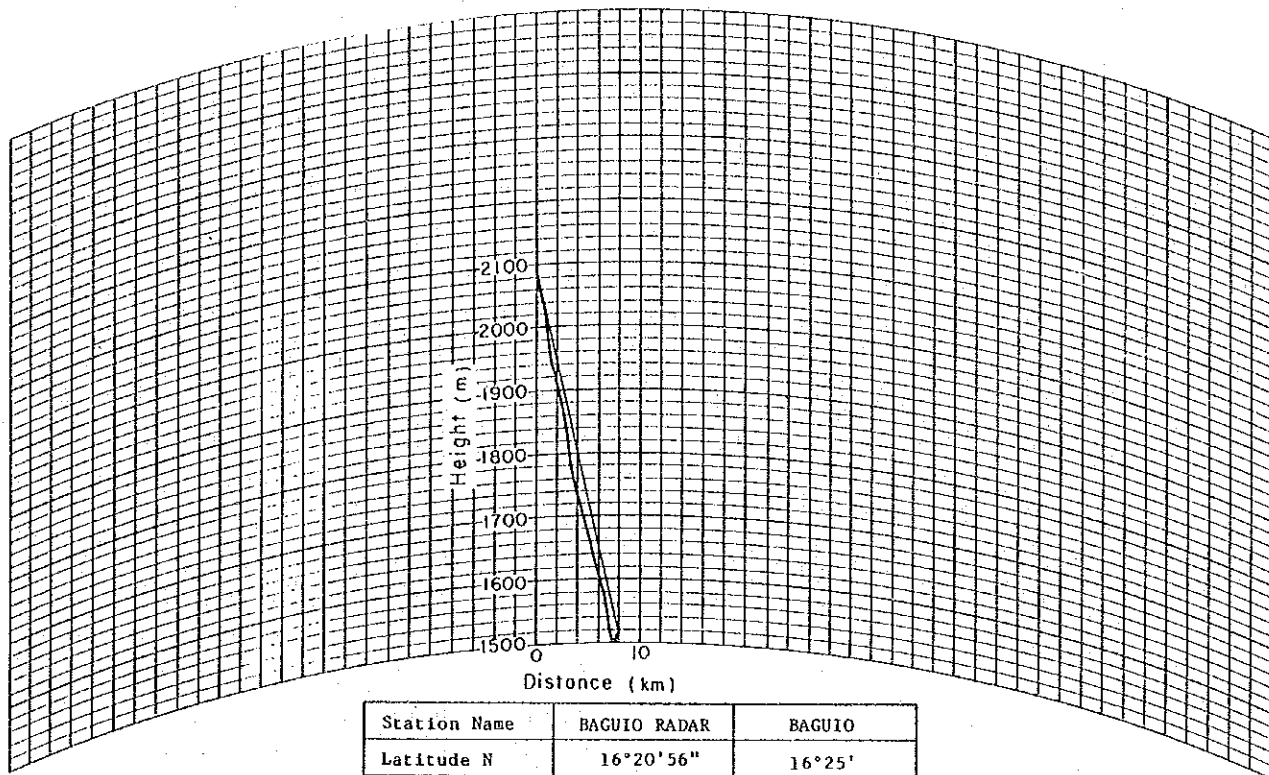


Fig.A.8 (5/31)

Station Name	BAGUIO RADAR	BAGUIO
Latitude N	16°20'56"	16°25'
Longitude E	120°33'17"	120°36'
Altitude (m)	2056	1500
Distance (km)	8.1	

No. V-5

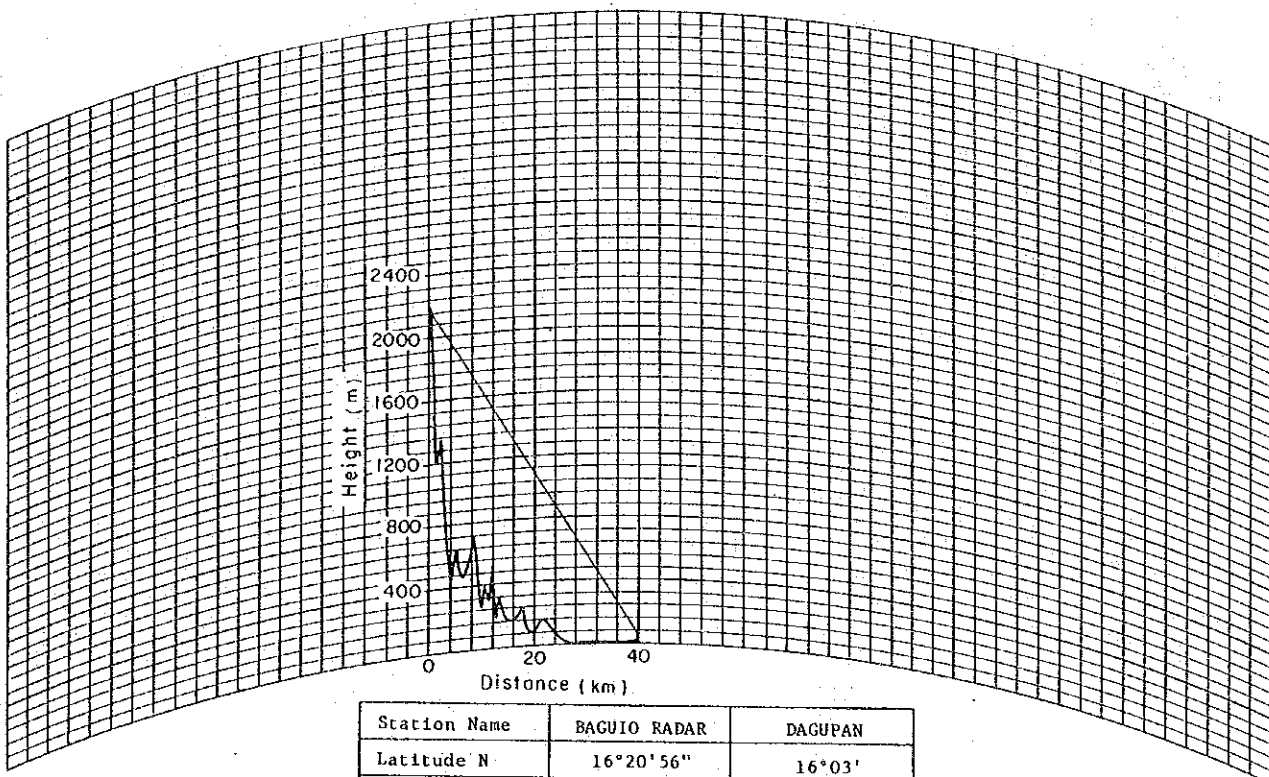
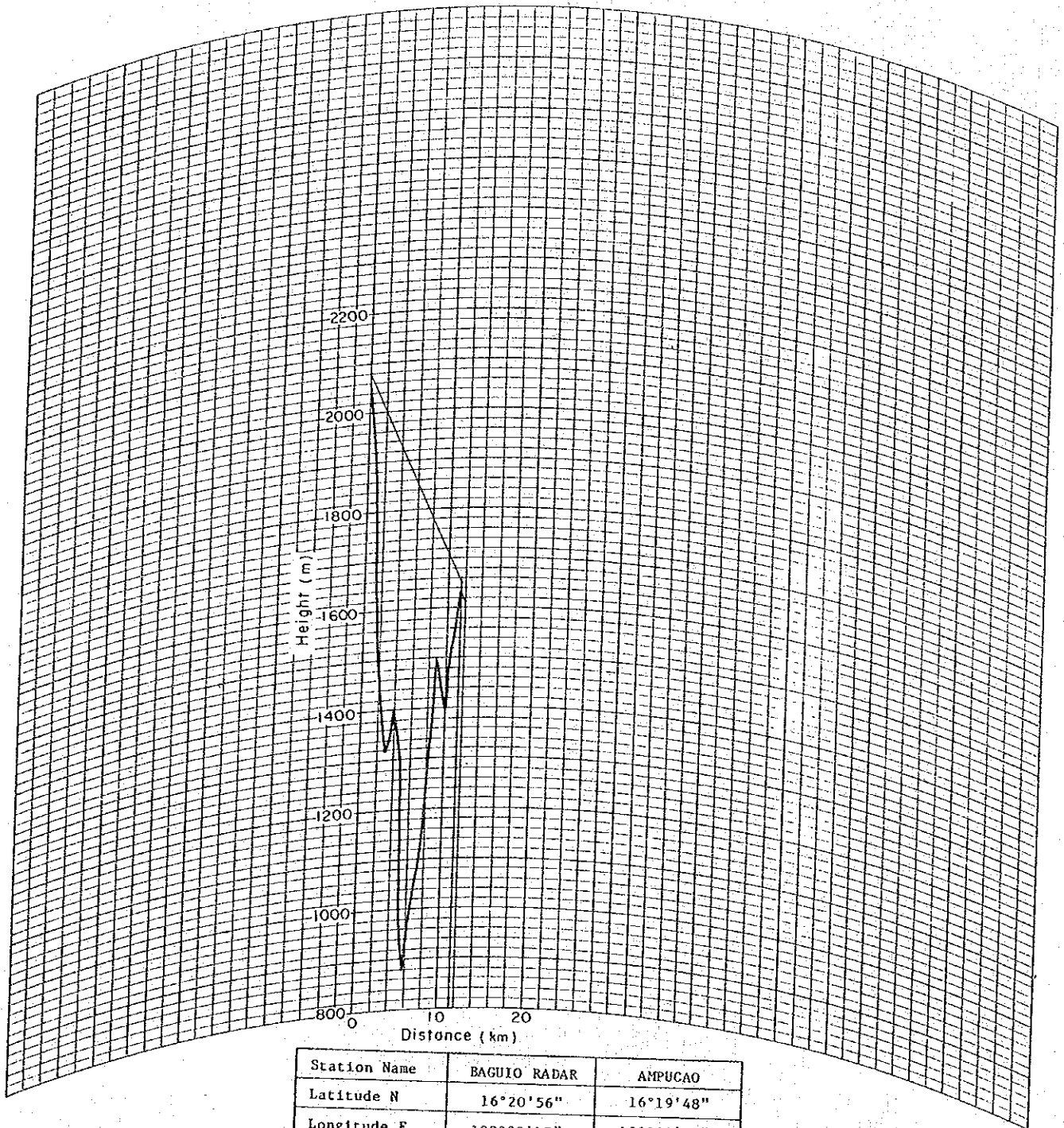


Fig.A.8 (6/31)

Station Name	BAGUIO RADAR	DAGUPAN
Latitude N	16°20'56"	16°03'
Longitude E	120°33'17"	120°20'
Altitude (m)	2056	1
Distance (km)	38.9	

No. V-6

Profile



Station Name	BAGUIO RADAR	AMPUCAO
Latitude N	16°20'56"	16°19'48"
Longitude E	120°33'17"	120°39'42"
Altitude (m)	2056	1632
Distance (km)	11.4	

No. V-7

Fig. A.8 (7/31)

Profile

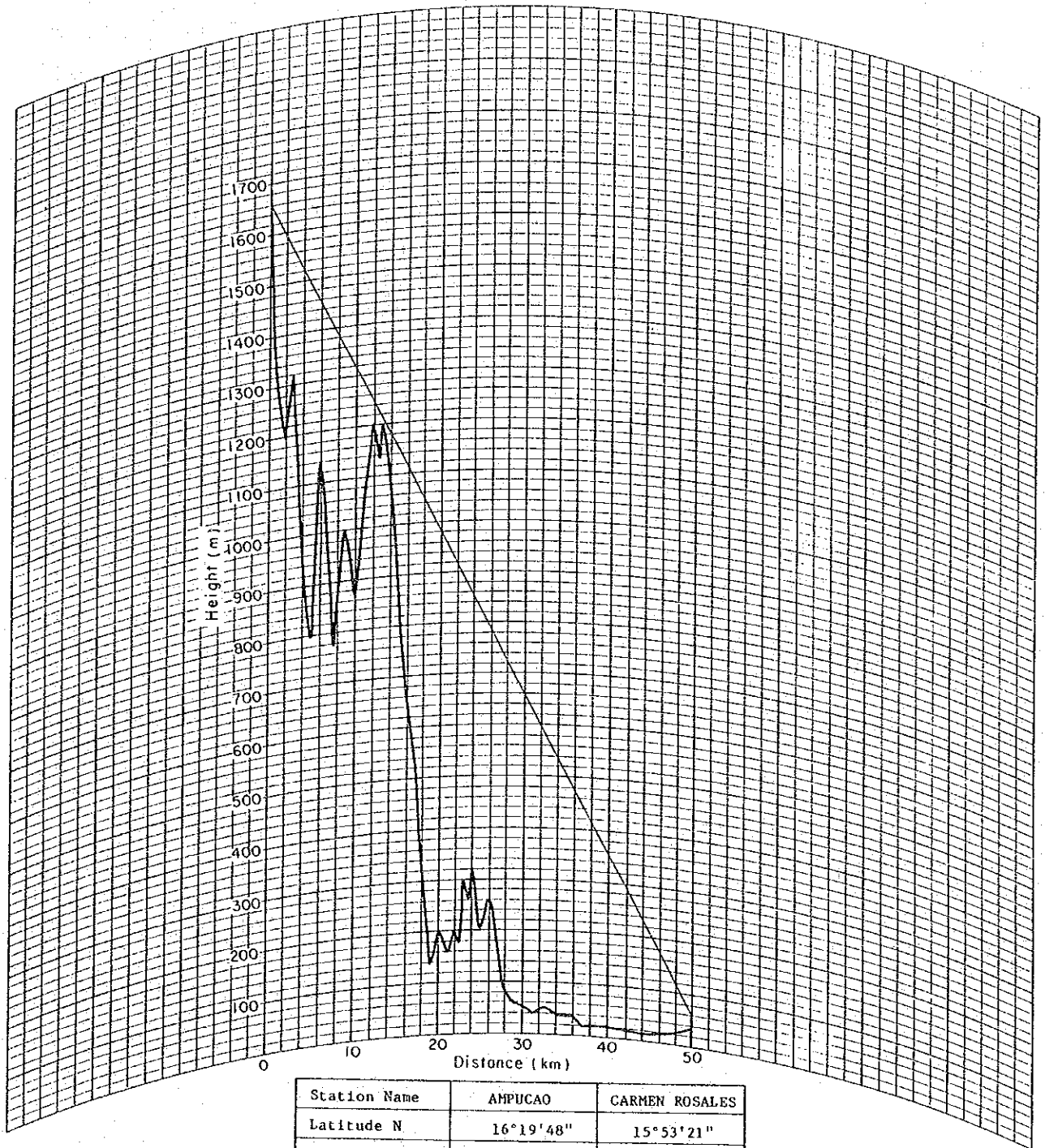
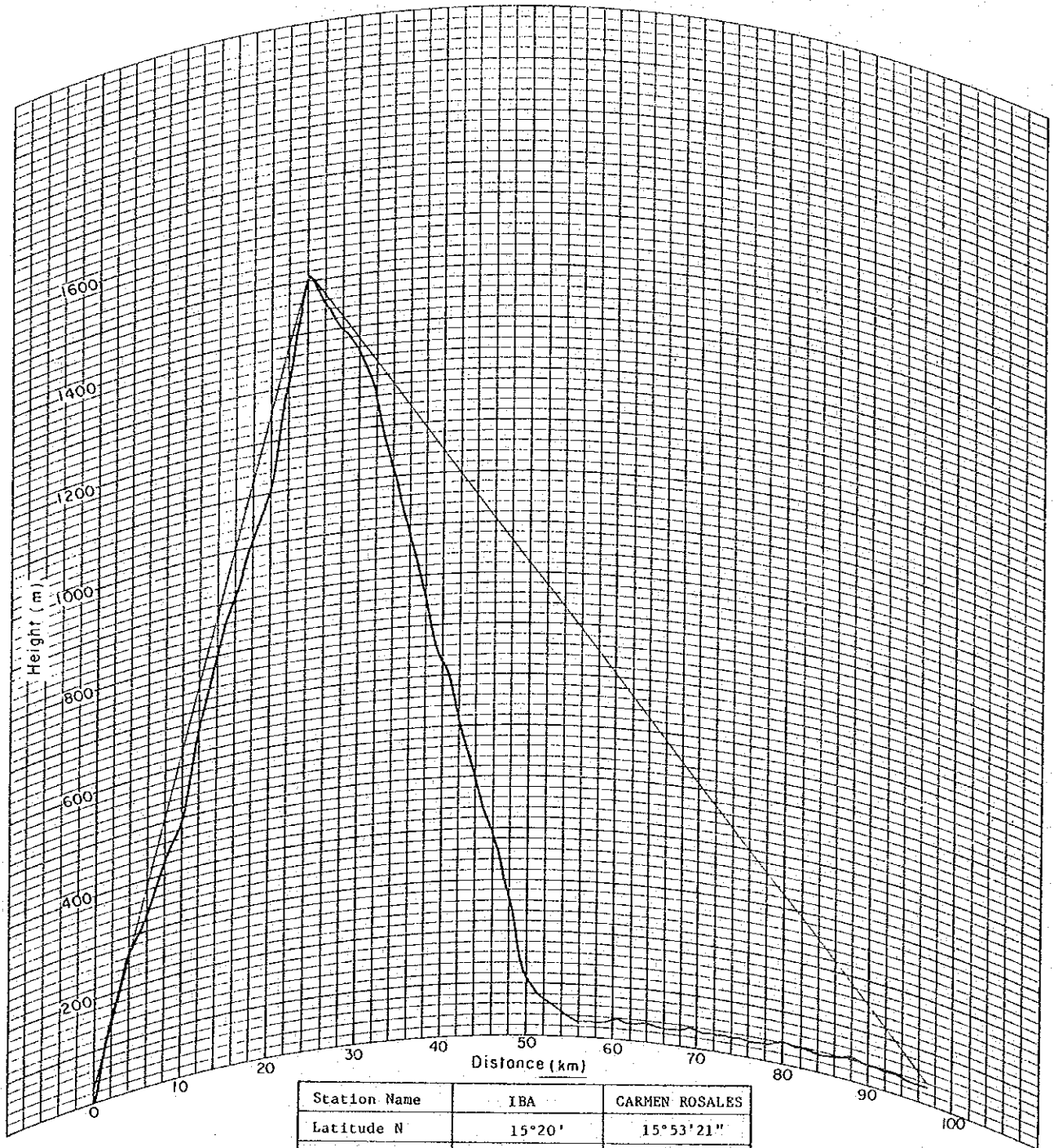


Fig.A. 8 (8/31)

Station Name	AMPUCAO	CARMEN ROSALES
Latitude N	16°19'48"	15°53'21"
Longitude E	120°39'40"	120°36'31"
Altitude (m)	1632	25
Distance (km)	49.1	

No. V-8

Profile



Station Name	IBA	CARMEN ROSALES
Latitude N	15°20'	15°53'21"
Longitude E	119°58'	120°36'31"
Altitude (m)	4	25
Distance (km)	96.5	

No. V-9

Fig.A.8 (9/31)

Profile

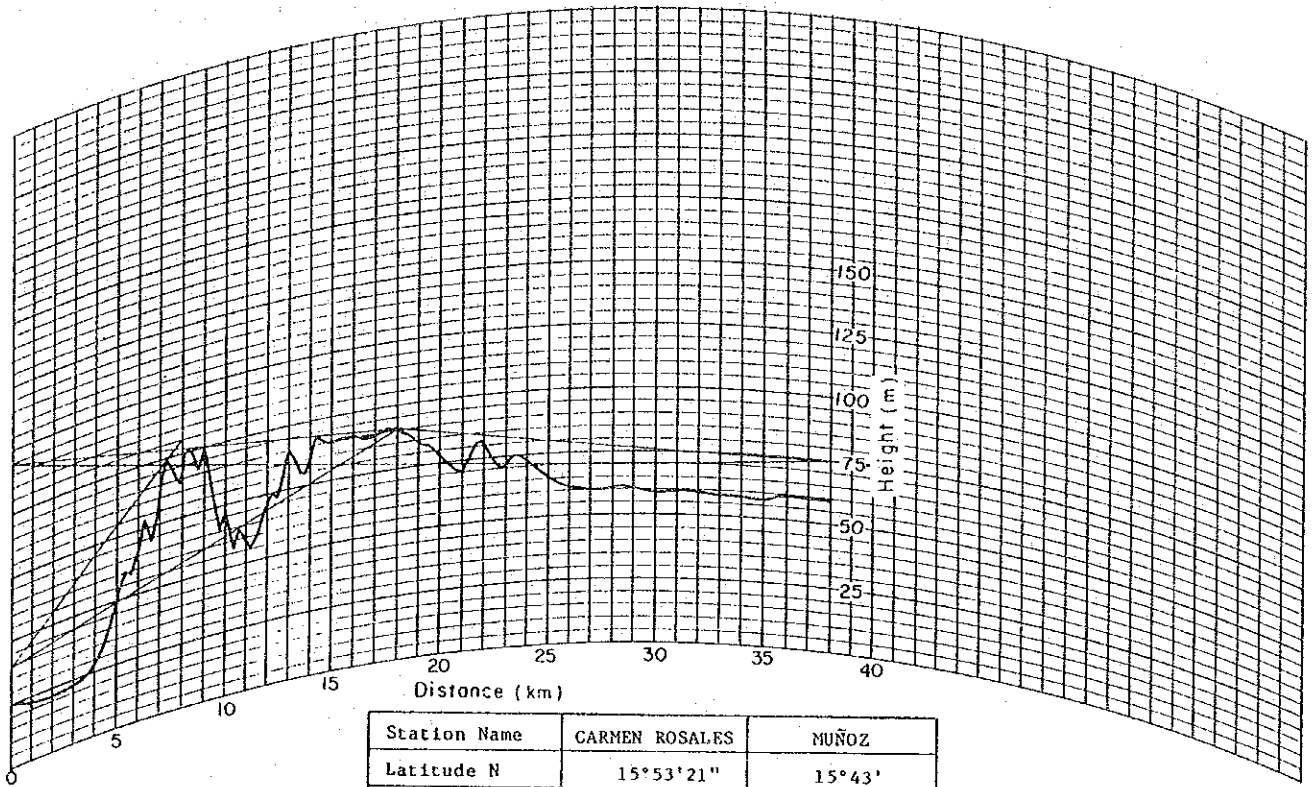


Fig.A.8 (10/31)

Station Name	CARMEN ROSALES	MUÑOZ
Latitude N	15°53'21"	15°43'
Longitude E	120°36'31"	120°55'
Altitude (m)	25	60
Distance (km)	38.0	

No. V-10

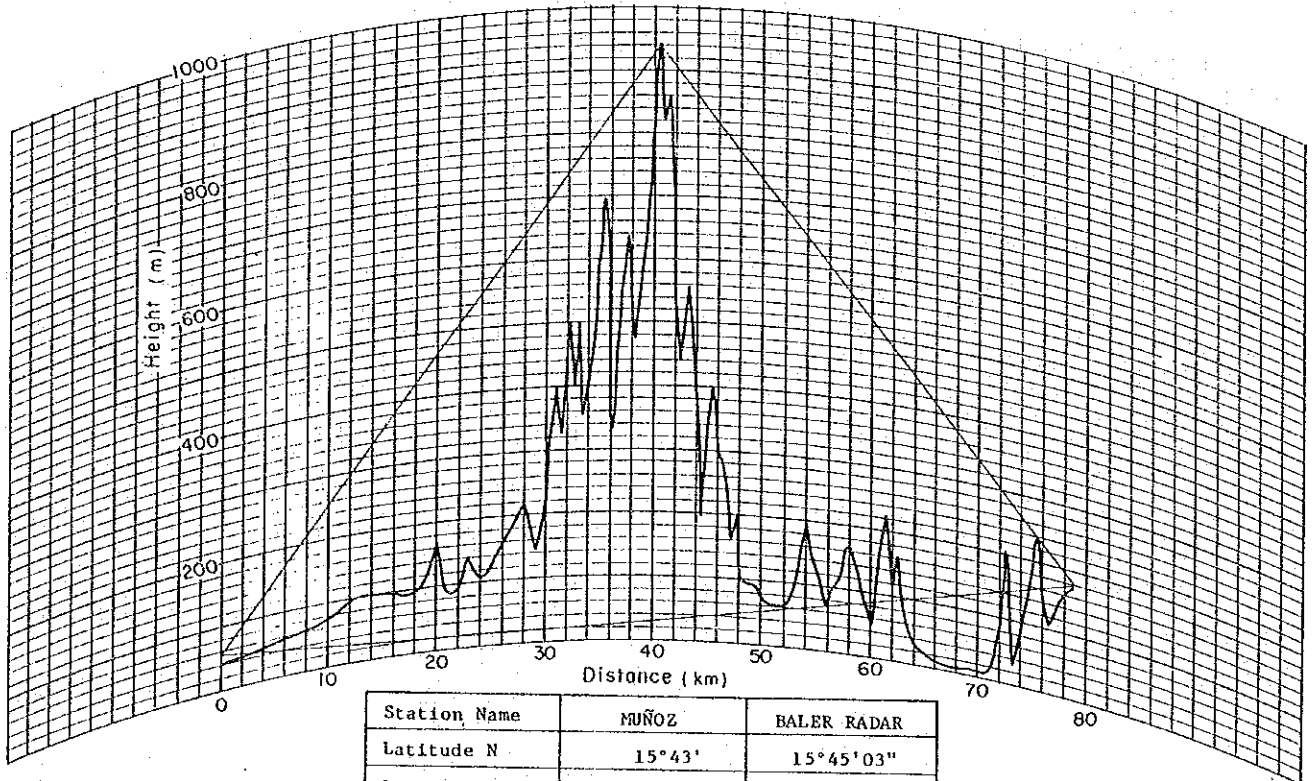


Fig.A.8 (11/31)

Station Name	MUÑOZ	BALER RADAR
Latitude N	15°43'	15°45'03"
Longitude E	120°55'	121°37'51"
Altitude (m)	60	155
Distance (km)	78.0	

No. V-11

Profile

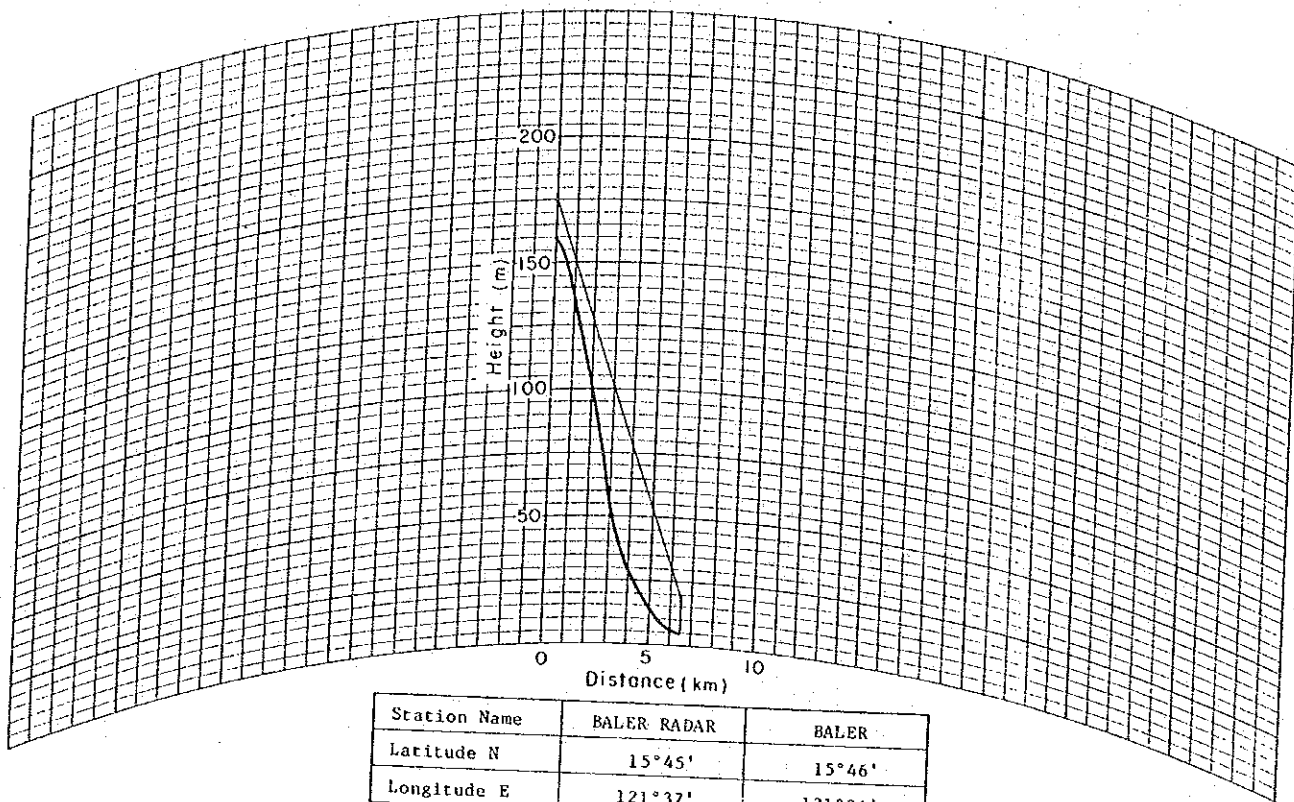


Fig.A.8 (12/31)

Station Name	BALER RADAR	BALER
Latitude N	15°45'	15°46'
Longitude E	121°37'	121°34'
Altitude (m)	160	4
Distance (km)	6.5	

No. V-12

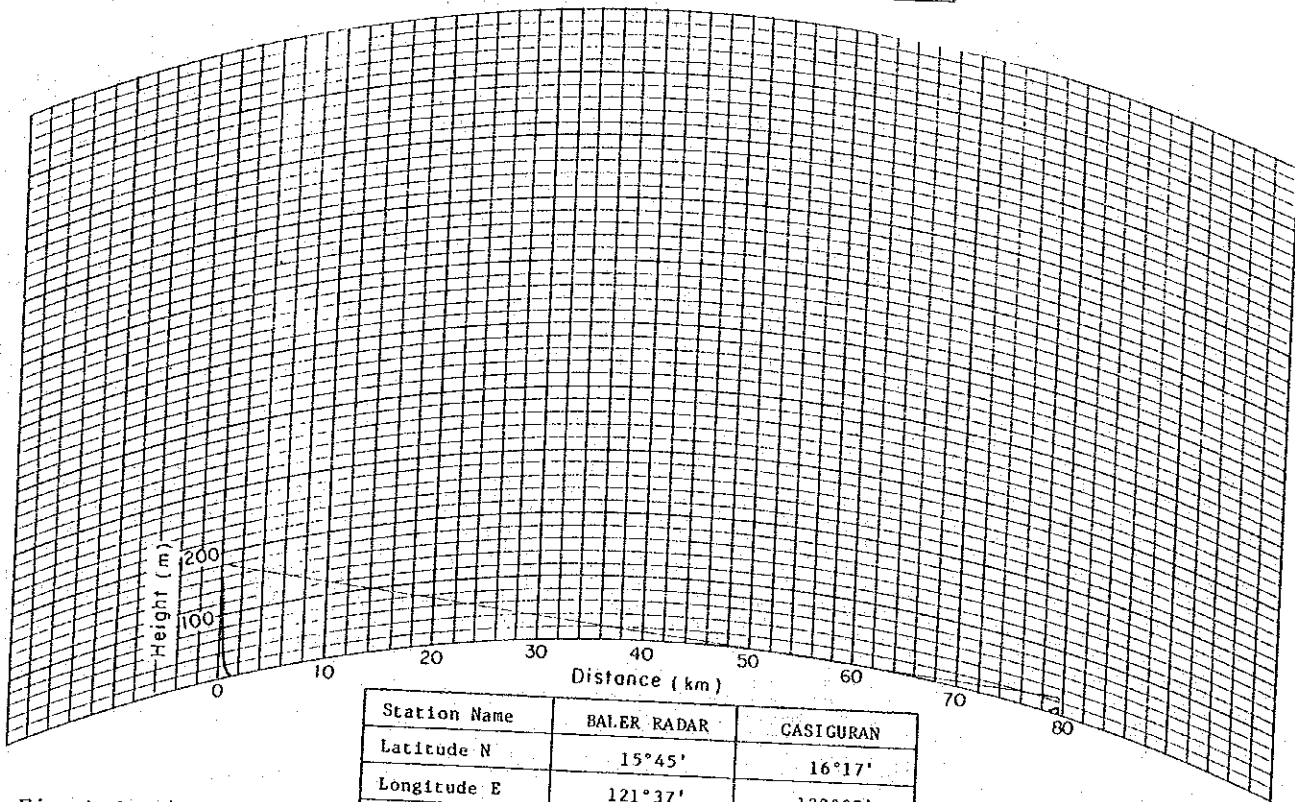
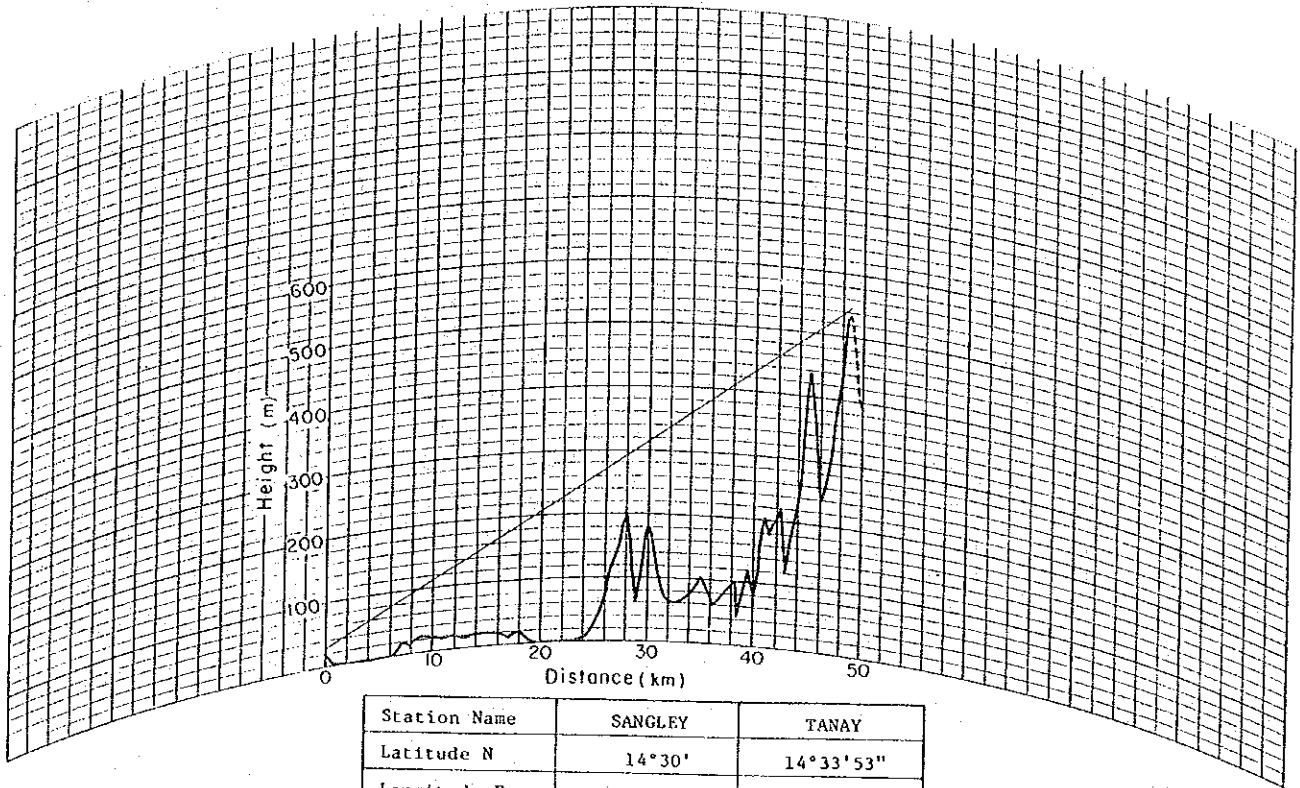


Fig.A.8 (13/31)

Station Name	BALER RADAR	CASIGURAN
Latitude N	15°45'	16°17'
Longitude E	121°37'	122°07'
Altitude (m)	160	3
Distance (km)	79.3	

No. V-13

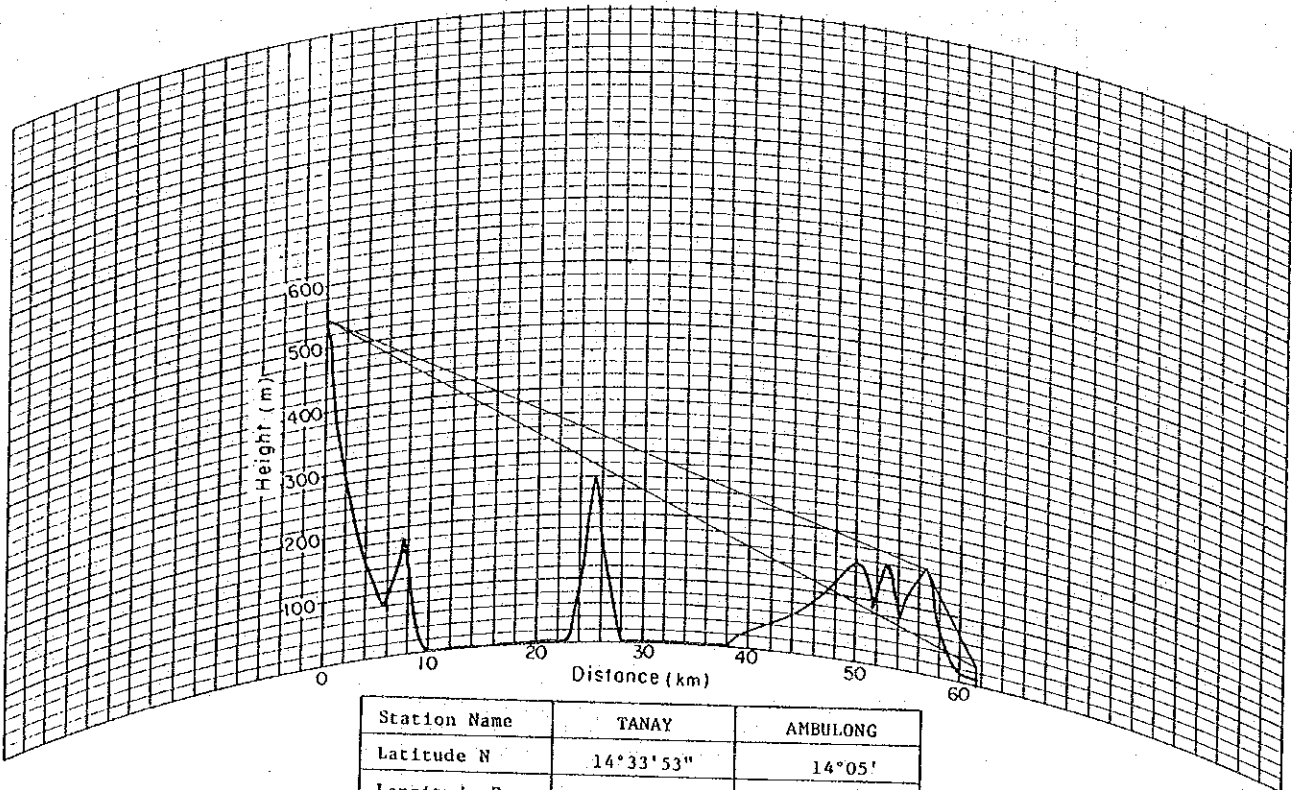
Profile



Station Name	SANGLEY	TANAY
Latitude N	14°30'	14°33'53"
Longitude E	120°55'	121°21'07"
Altitude (m)	3	530
Distance (km)	48.2	

No. V-14

Fig.A.8 (14/31)



Station Name	TANAY	AMBULONG
Latitude N	14°33'53"	14°05'
Longitude E	121°21'07"	121°03'
Altitude (m)	530	10
Distance (km)	61.5	

No. V-15

Fig.A.8 (15/31)

Profile

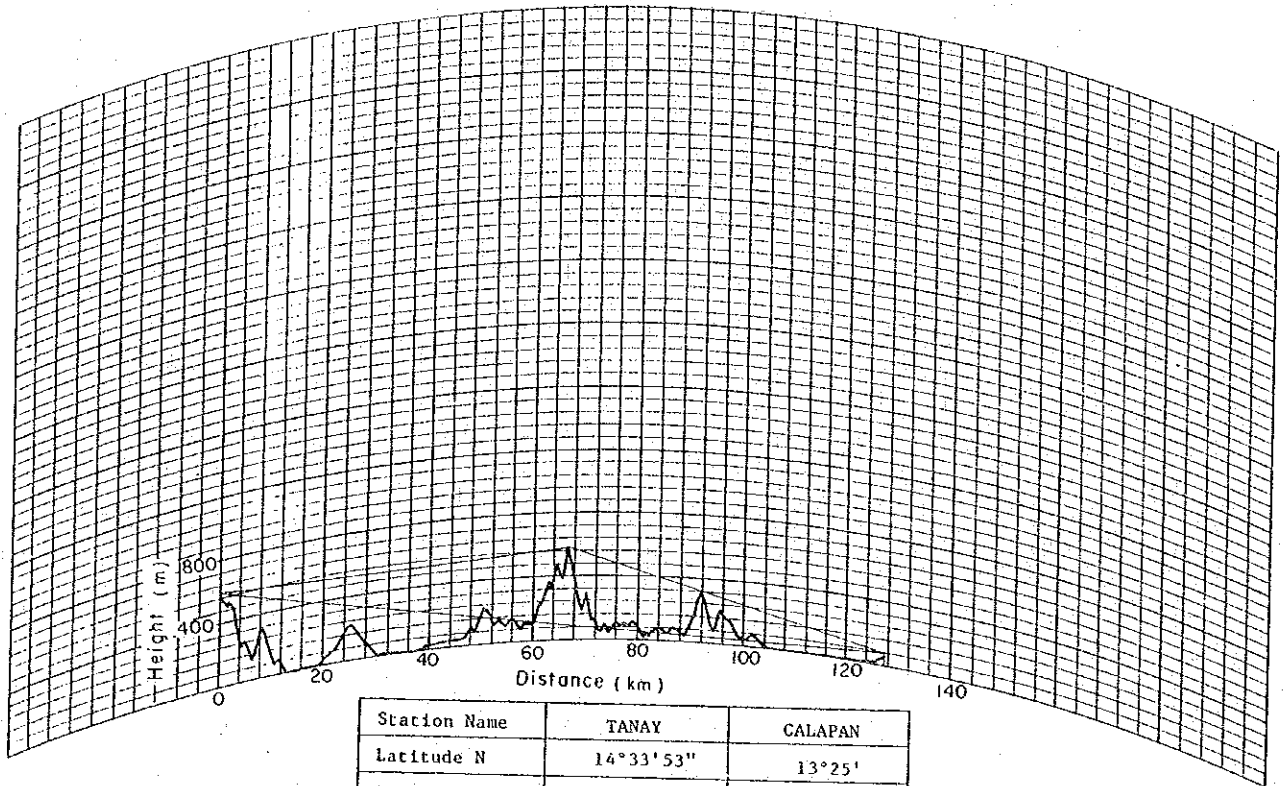


Fig.A.8 (16/31)

Station Name	TANAY	CALAPAN
Latitude N	14°33'53"	13°25'
Longitude E	121°21'07"	121°11'
Altitude (m)	530	39
Distance (km)	127	

No. V-16

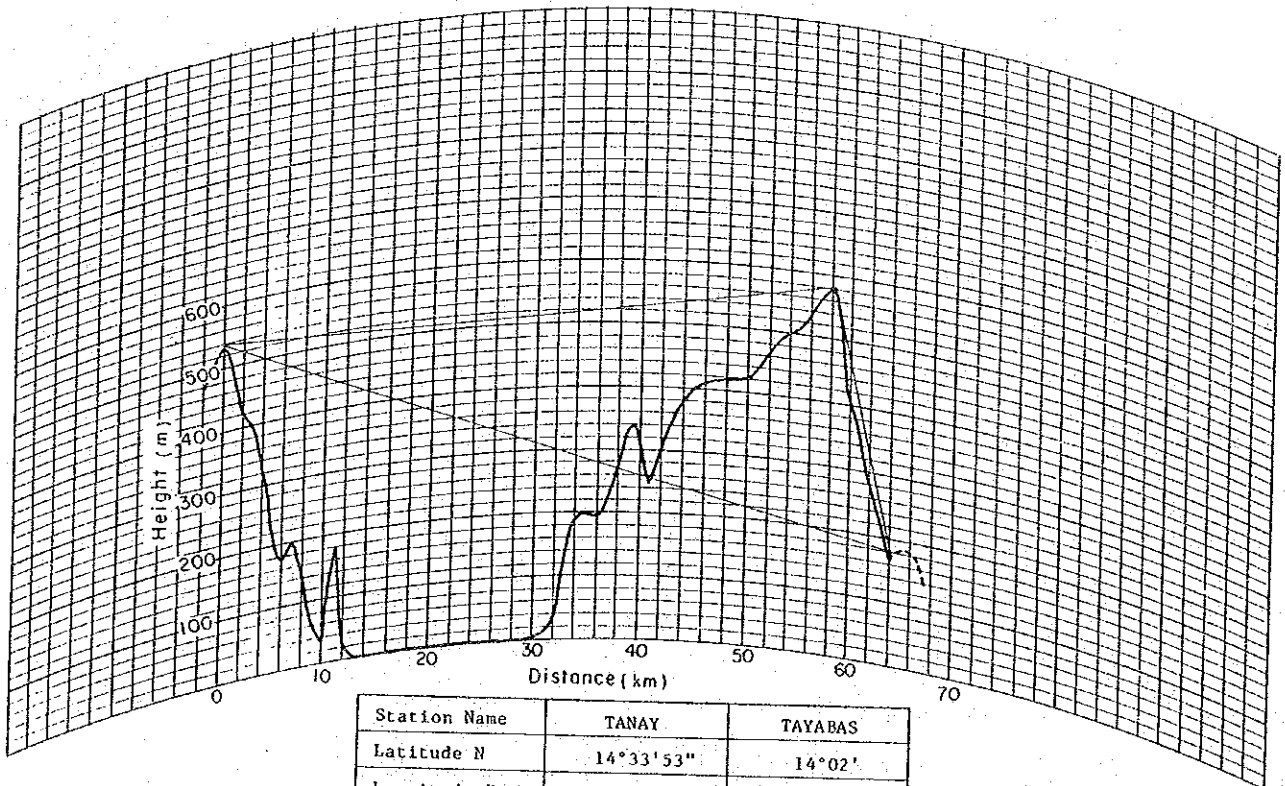
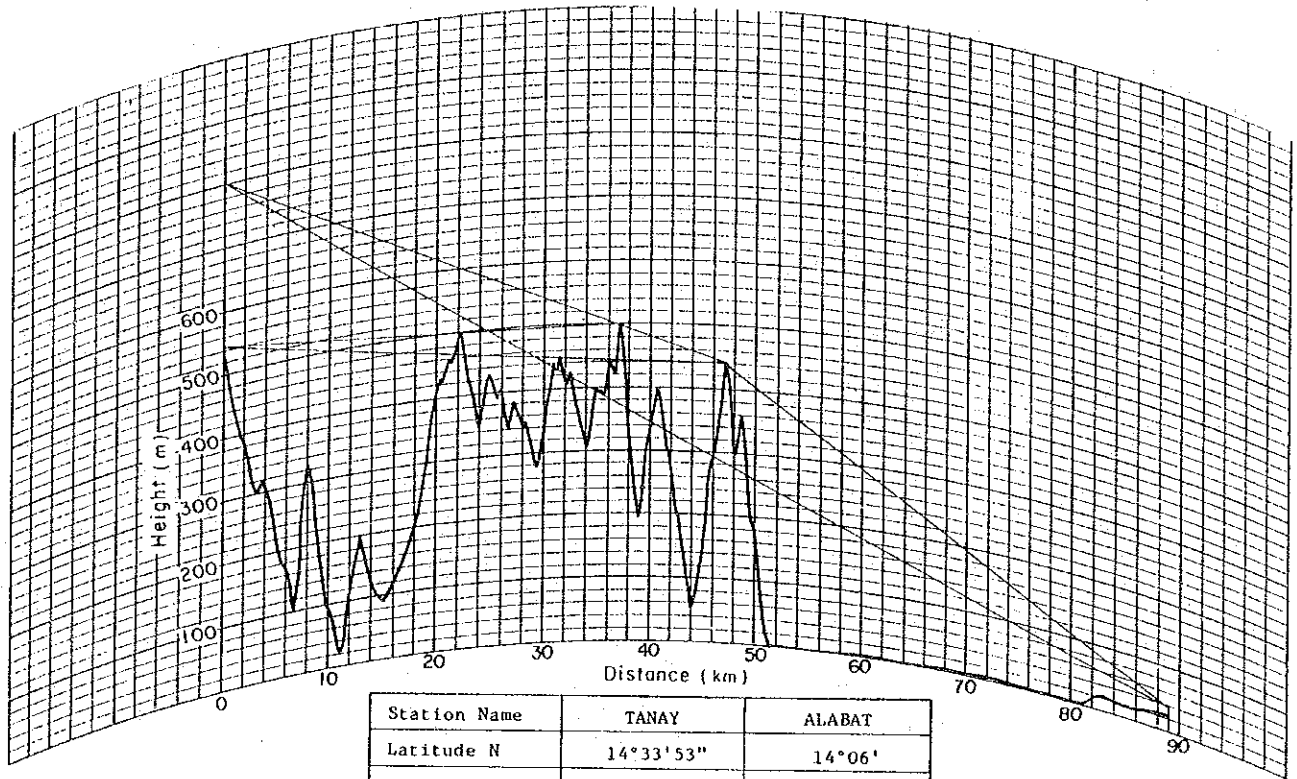


Fig.A.8 (17/31)

Station Name	TANAY	TAYABAS
Latitude N	14°33'53"	14°02'
Longitude E	121°21'07"	121°35'
Altitude (m)	530	157
Distance (km)	63.9	

No. V-17

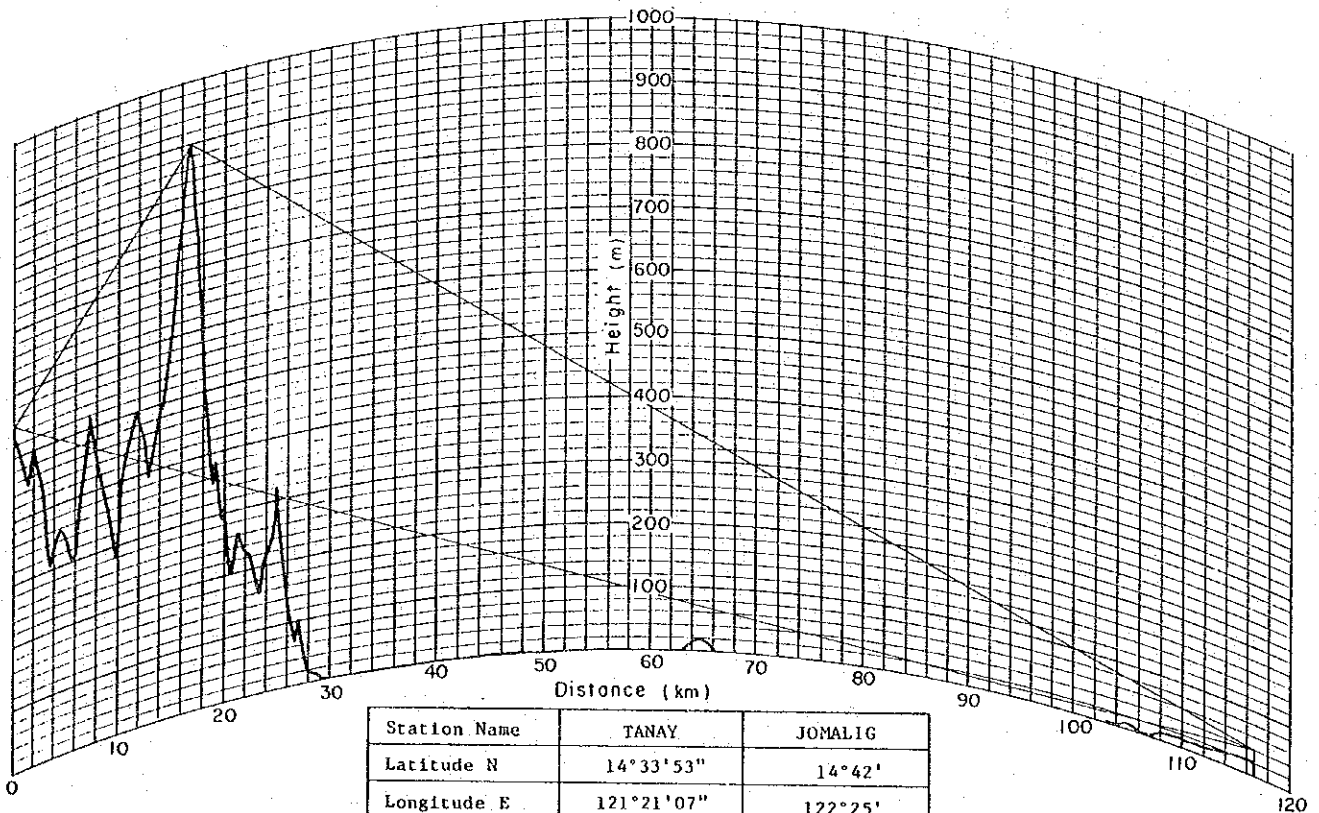
Profile



Station Name	TANAY	ALABAT
Latitude N	14°33'53"	14°06'
Longitude E	121°21'07"	122°01'
Altitude (m)	530	4
Distance (km)	88.4	

No. V-18

Fig. A.8 (18/31)

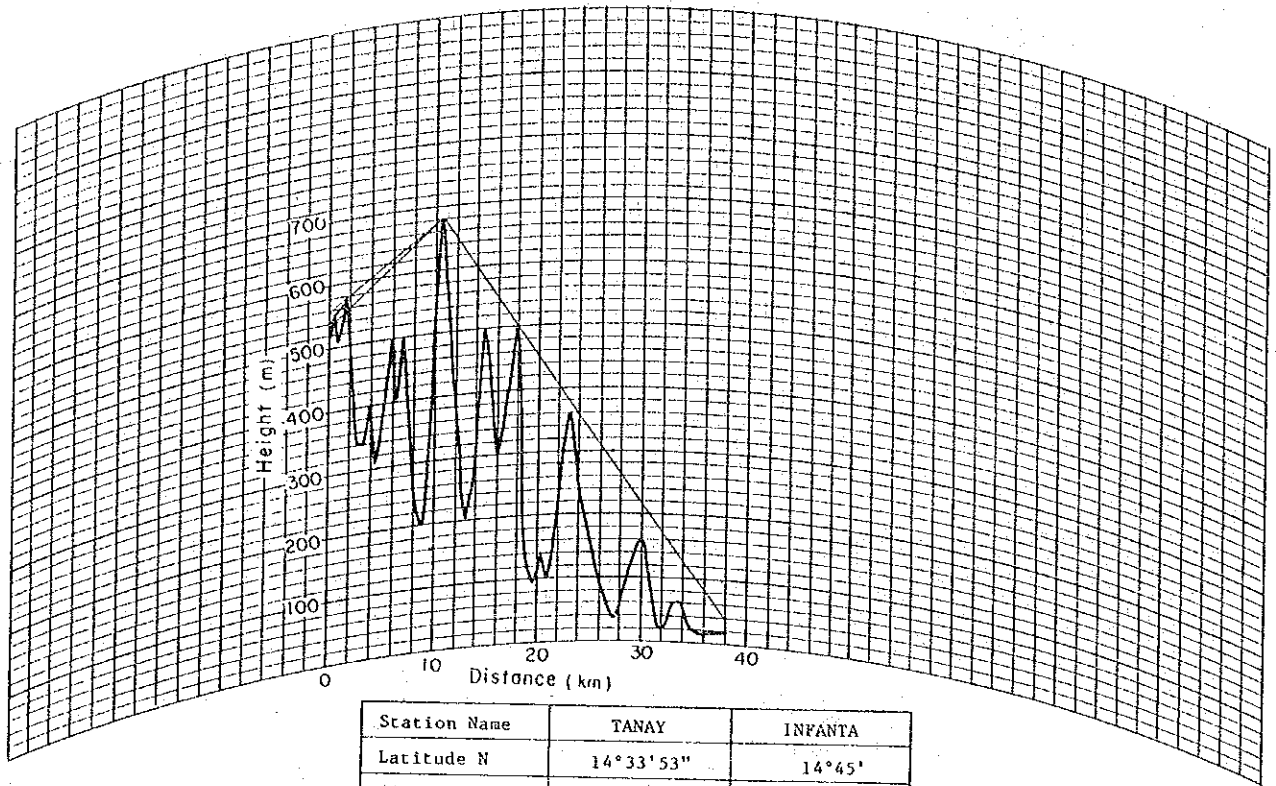


Station Name	TANAY	JOMALIG
Latitude N	14°33'53"	14°42'
Longitude E	121°21'07"	122°25'
Altitude (m)	530	25
Distance (km)	116.6	

No. V-19

Fig. A.8 (19/31)

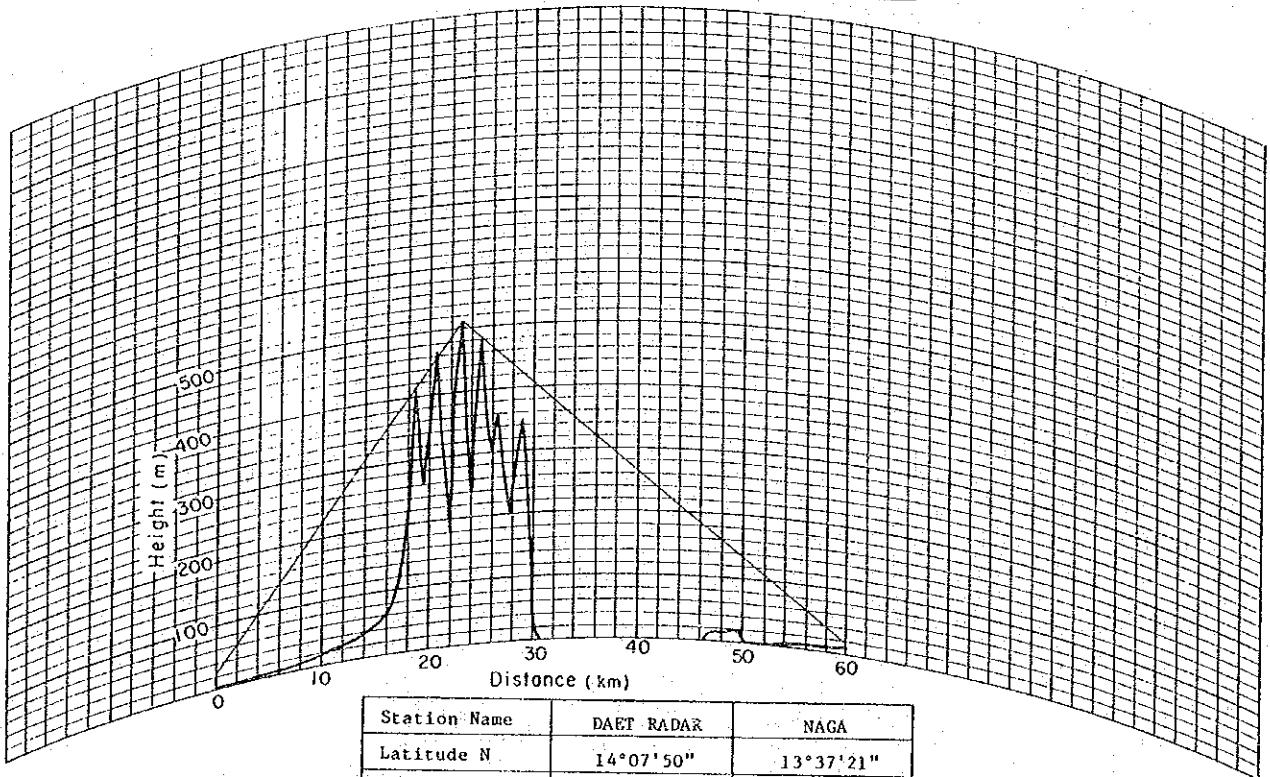
Profile



Station Name	TANAY	INFANTA
Latitude N	14°33'53"	14°45'
Longitude E	121°21'07"	121°39'
Altitude (m)	530	5
Distance (km)	38.3	

Fig.A.8 (20/31)

No. V-20



Station Name	DAET RADAR	NAGA
Latitude N	14°07'50"	13°37'21"
Longitude E	122°58'57"	123°09'56"
Altitude (m)	2	2
Distance (km)	59.7	

Fig.A.8 (21/31)

No. V-21

Profile

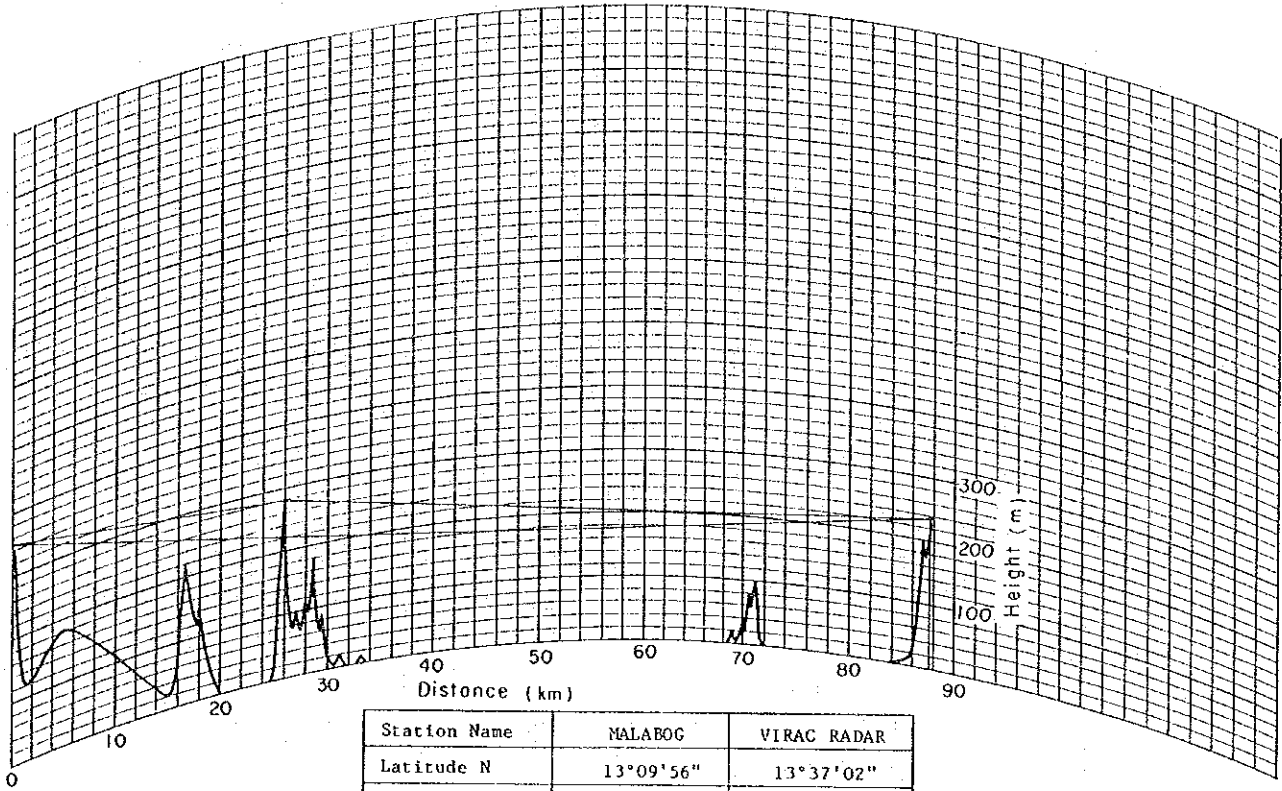


Fig.A.8 (22/31)

Station Name	MALABOG	VIRAC RADAR
Latitude N	13°09'56"	13°37'02"
Longitude E	123°39'48"	124°19'56"
Altitude (m)	340	223
Distance (km)	87.8	

No. V-22

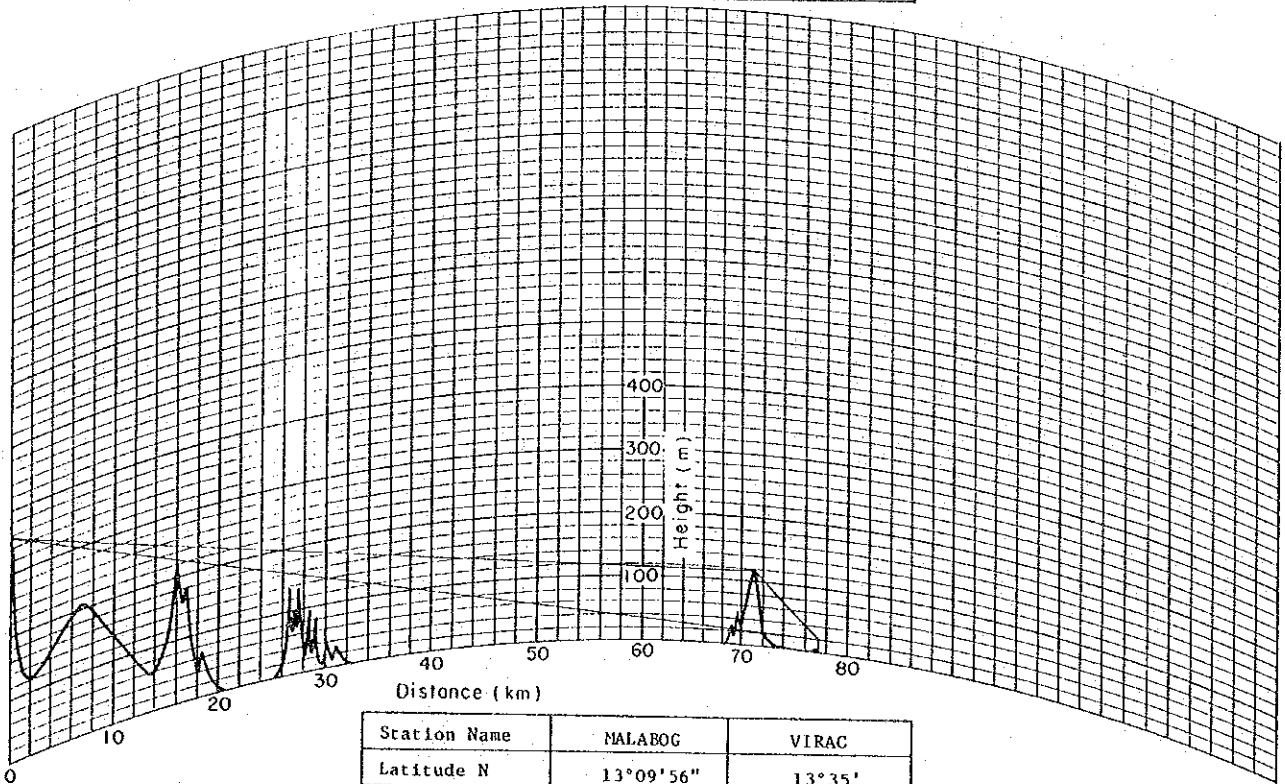


Fig.A.8 (23/31)

Station Name	MALABOG	VIRAC
Latitude N	13°09'56"	13°35'
Longitude E	123°39'48"	124°14'
Altitude (m)	340	5
Distance (km)	76.8	

No. V-23

Profile

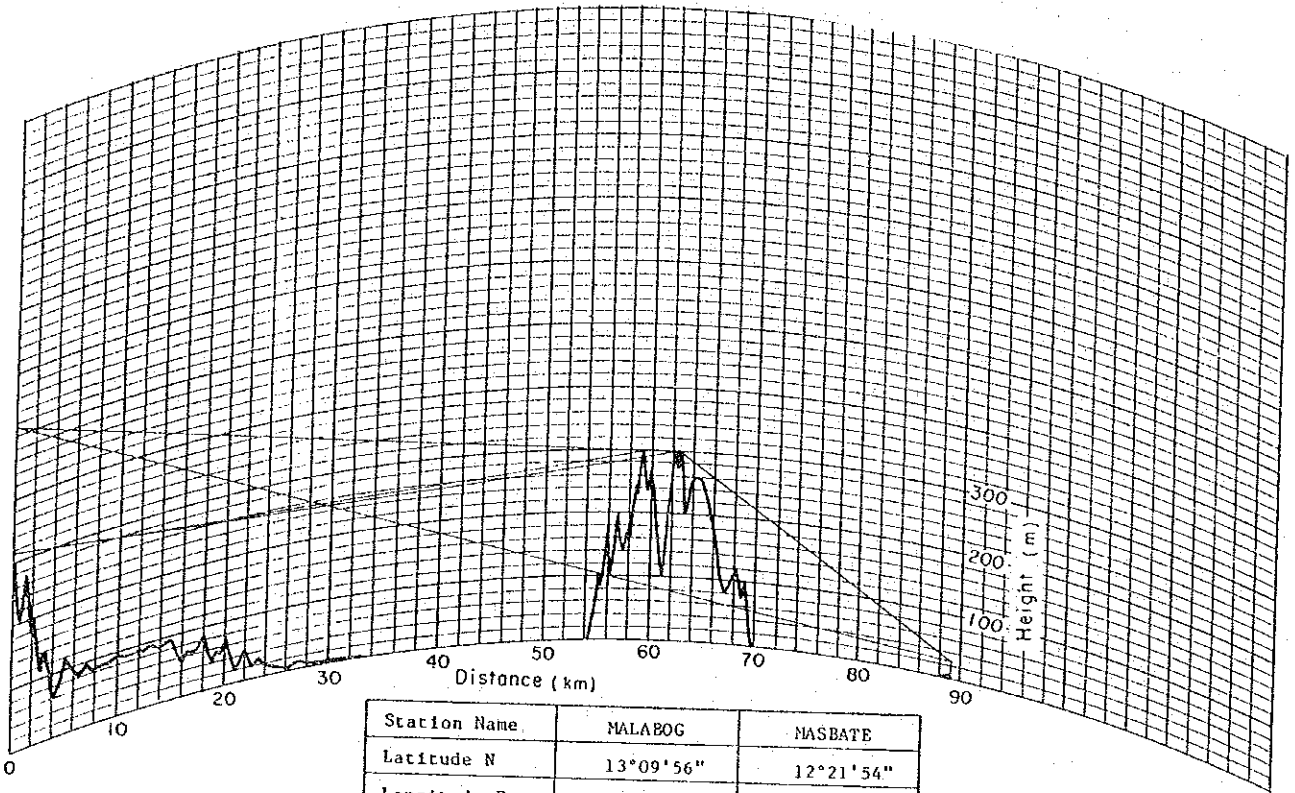


Fig.A.8 (24/31)

Station Name	MALABOG	MASBATE
Latitude N	13°09'56"	12°21'54"
Longitude E	123°39'48"	123°37'37"
Altitude (m)	340	5
Distance (km)	88.6	

No. V-24

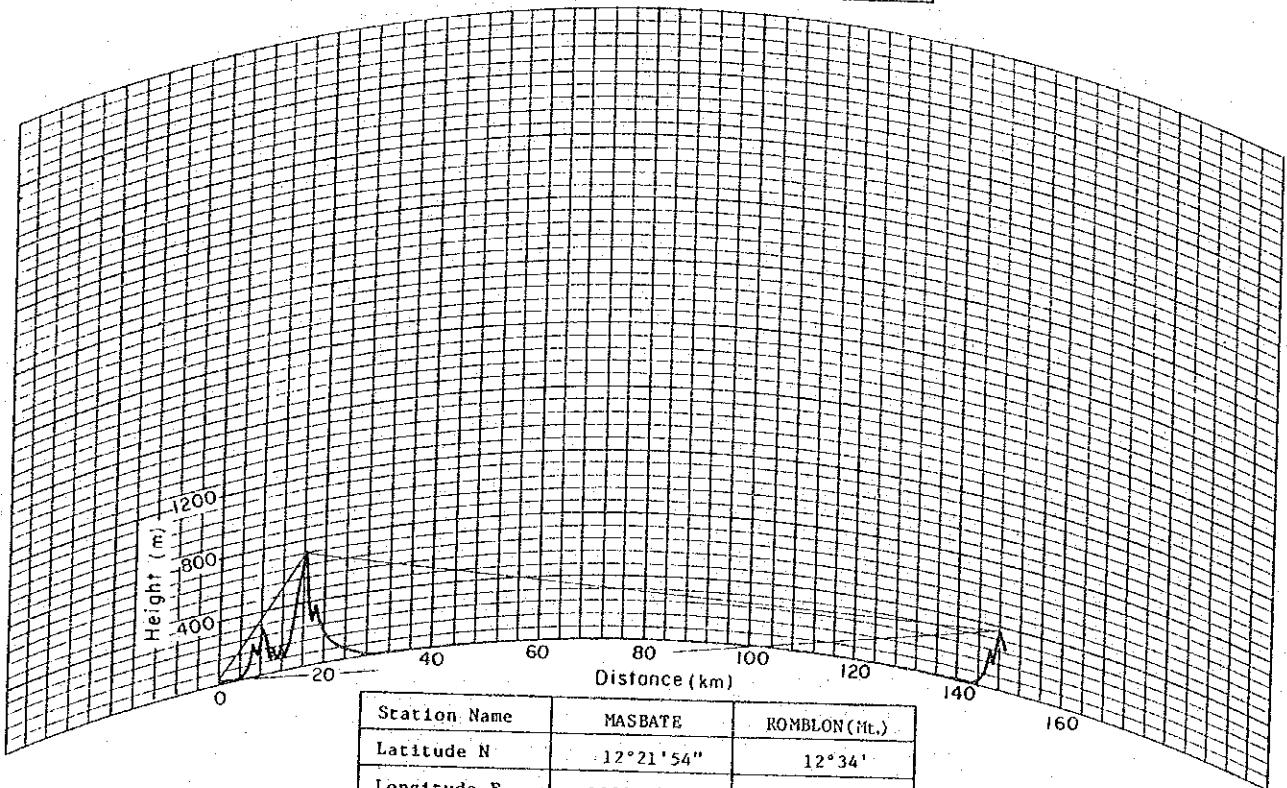
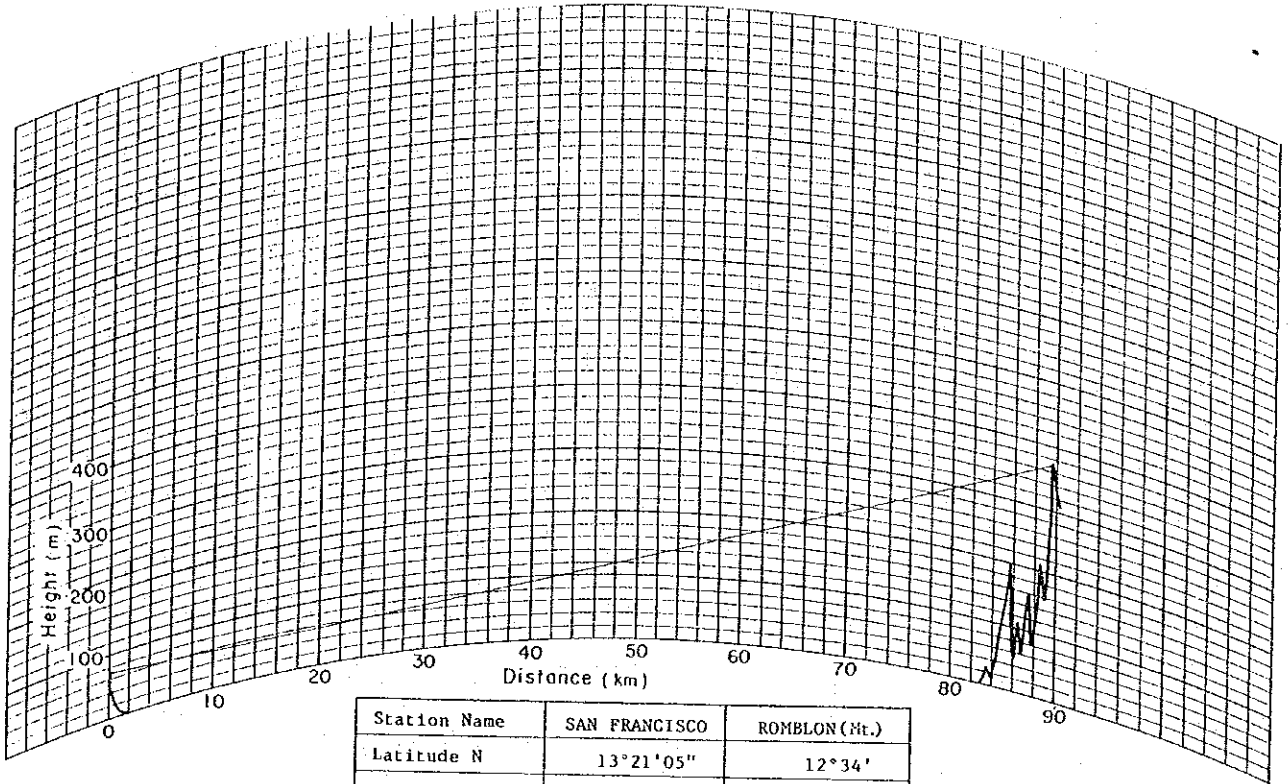


Fig.A.8 (25/31)

Station Name	MASBATE	ROMBLON (Mt.)
Latitude N	12°21'54"	12°34'
Longitude E	123°37'37"	123°16'
Altitude (m)	5	370
Distance (km)	147.5	

No. V-25

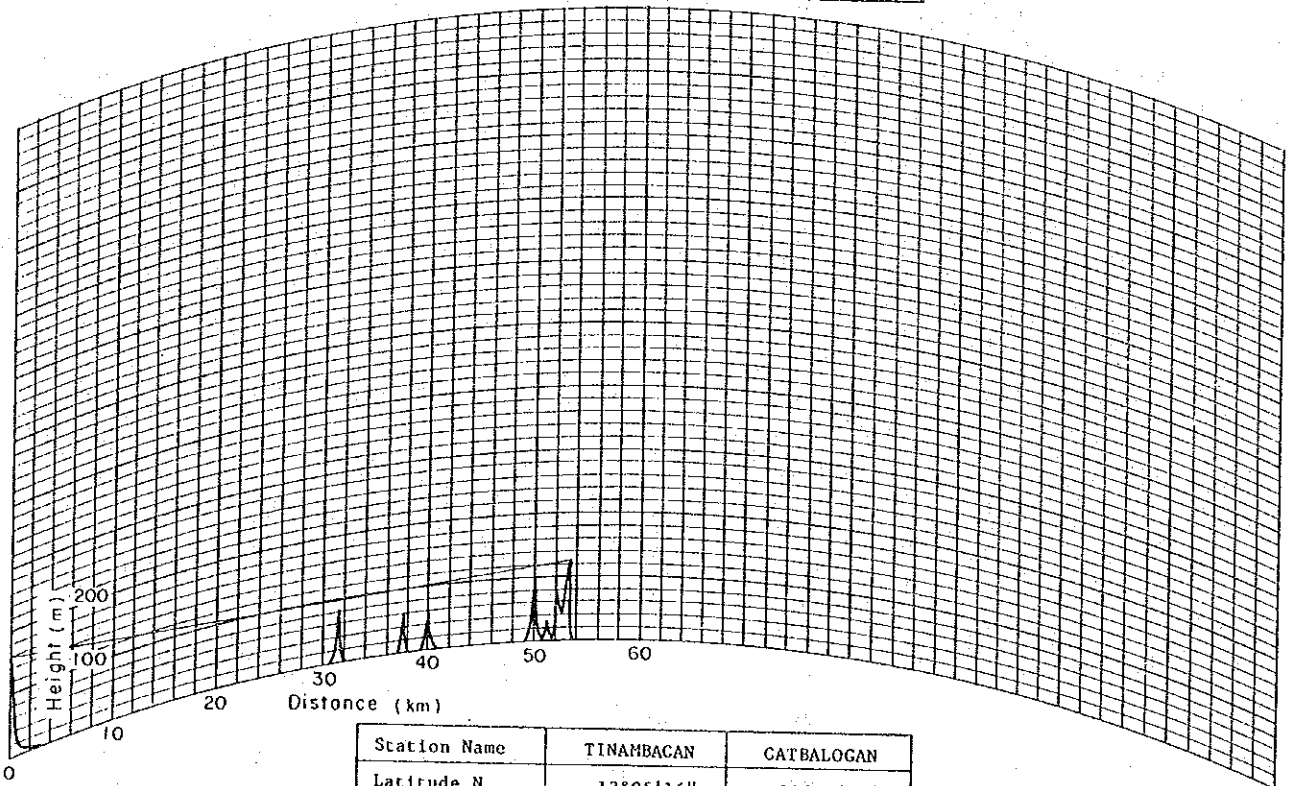
Profile



Station Name	SAN FRANCISCO	ROMBLON (Mt.)
Latitude N	13°21'05"	12°34'
Longitude E	122°31'06"	122°16'
Altitude (m)	50	370
Distance (km)	89.0	

No. V-26

Fig.A.8 (26/31)

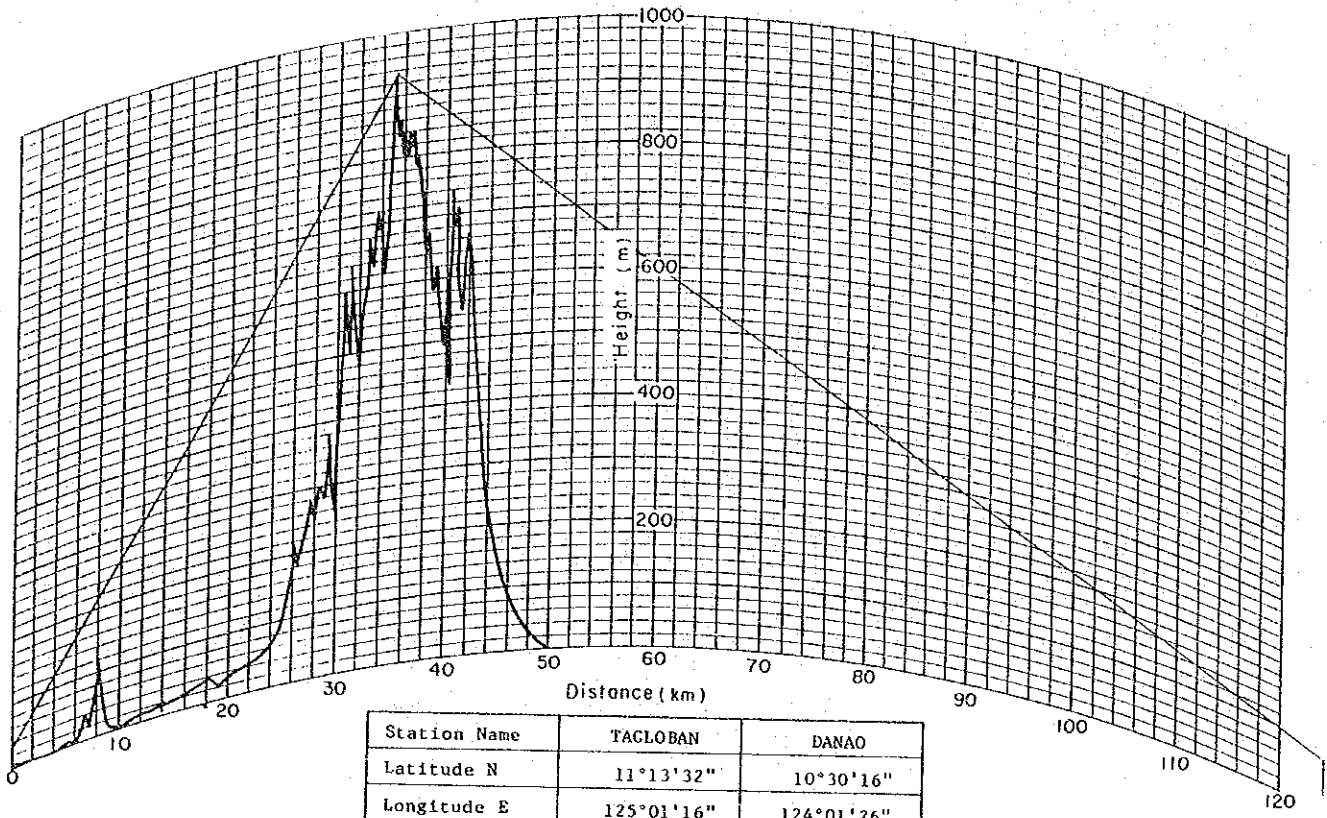


Station Name	TINAMBACAN	CATBALOGAN
Latitude N	12°05'16"	11°46'24"
Longitude E	124°31'16"	124°56'20"
Altitude (m)	145	114
Distance (km)	52.9	

No. V-27

Fig.A.8 (27/31)

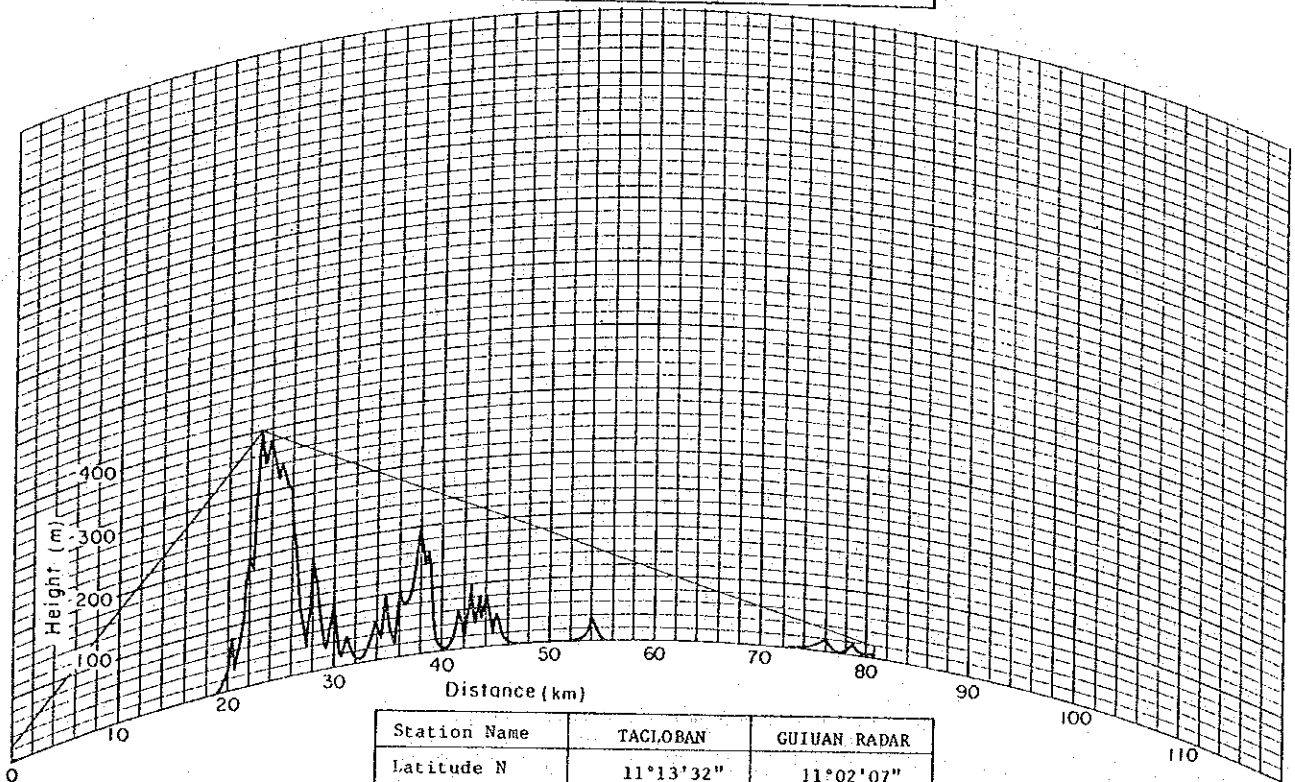
Profile



Station Name	TACLOBAN	DANA O
Latitude N	11°13'32"	10°30'16"
Longitude E	125°01'16"	124°01'26"
Altitude (m)	5	67
Distance (km)	124.3	

No. V-28

Fig.A.8 (28/31)



Station Name	TACLOBAN	GUIUAN RADAR
Latitude N	11°13'32"	11°02'07"
Longitude E	125°01'16"	125°44'24"
Altitude (m)	5	5
Distance (km)	80.7	

No. V-29

Fig.A.8 (29/31)

Profile

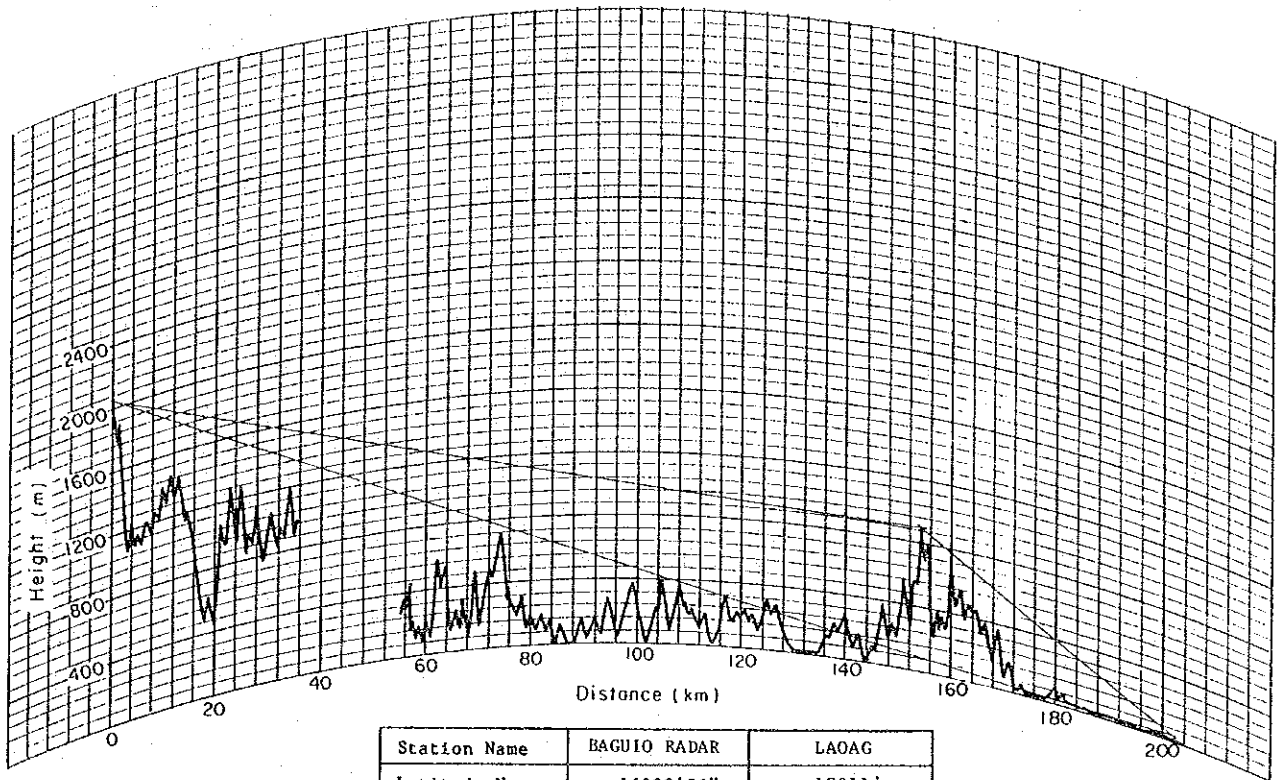


Fig. A.8 (30/31)

Station Name	BAGUIO RADAR	LAOAG
Latitude N	16°20'56"	18°11'
Longitude E	120°33'17"	120°32'
Altitude (m)	2056	4
Distance (km)	202.5	

No. V-30

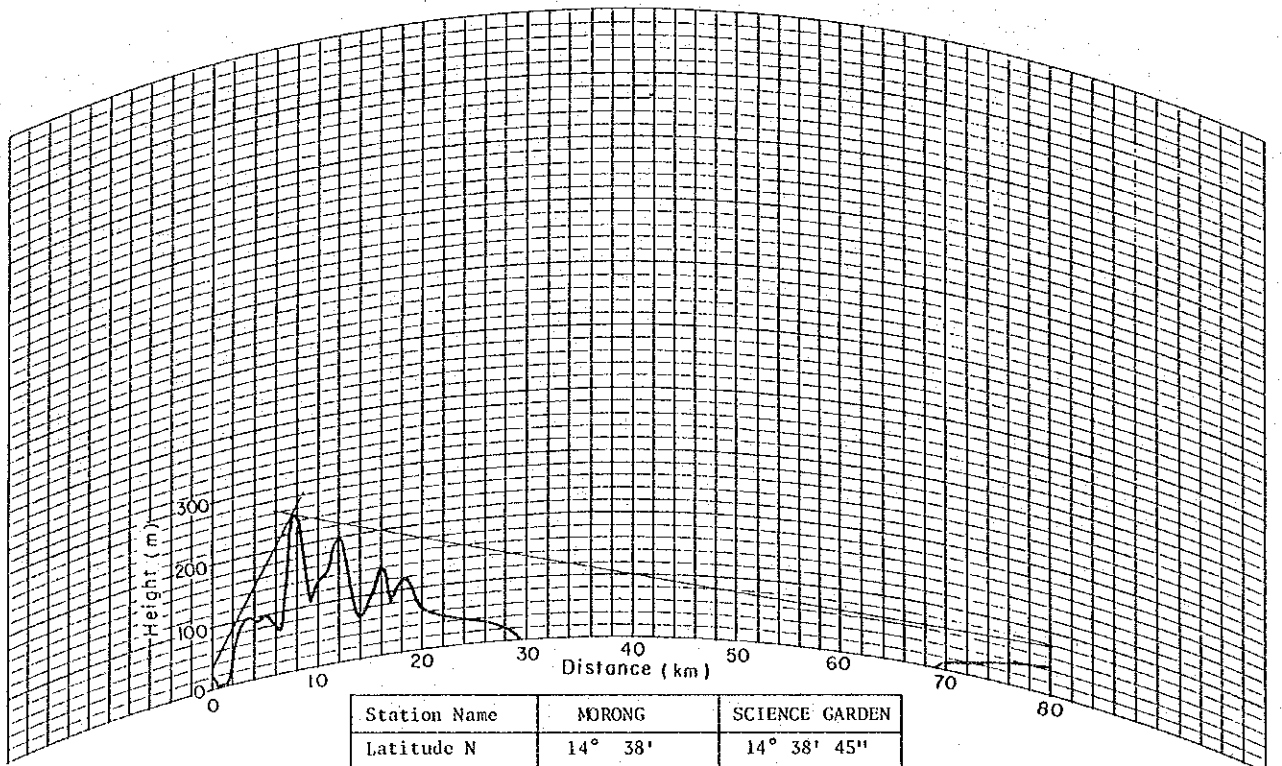


Fig. A.8 (31/31)

Station Name	MORONG	SCIENCE GARDEN
Latitude N	14° 38'	14° 38' 45"
Longitude E	120° 19'	121° 02' 35"
Altitude (m)	18	45
Distance (km)	79.3	

No. V-31

Antenna Height Pattern (DAGUPAN Station)

Measured Station : DAGUPAN
 Measured Date : 21 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Item	Station Name DAGUPAN	BAGUIO RADAR
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 W Pr: 0.1 W	Pf: 24 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	036 °	216 °

2. Measured Result (BAGUIO RADAR Transmit → DAGUPAN Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
64	67	69	70	71	72	72	72	71	70	68

(unit: dBμ)

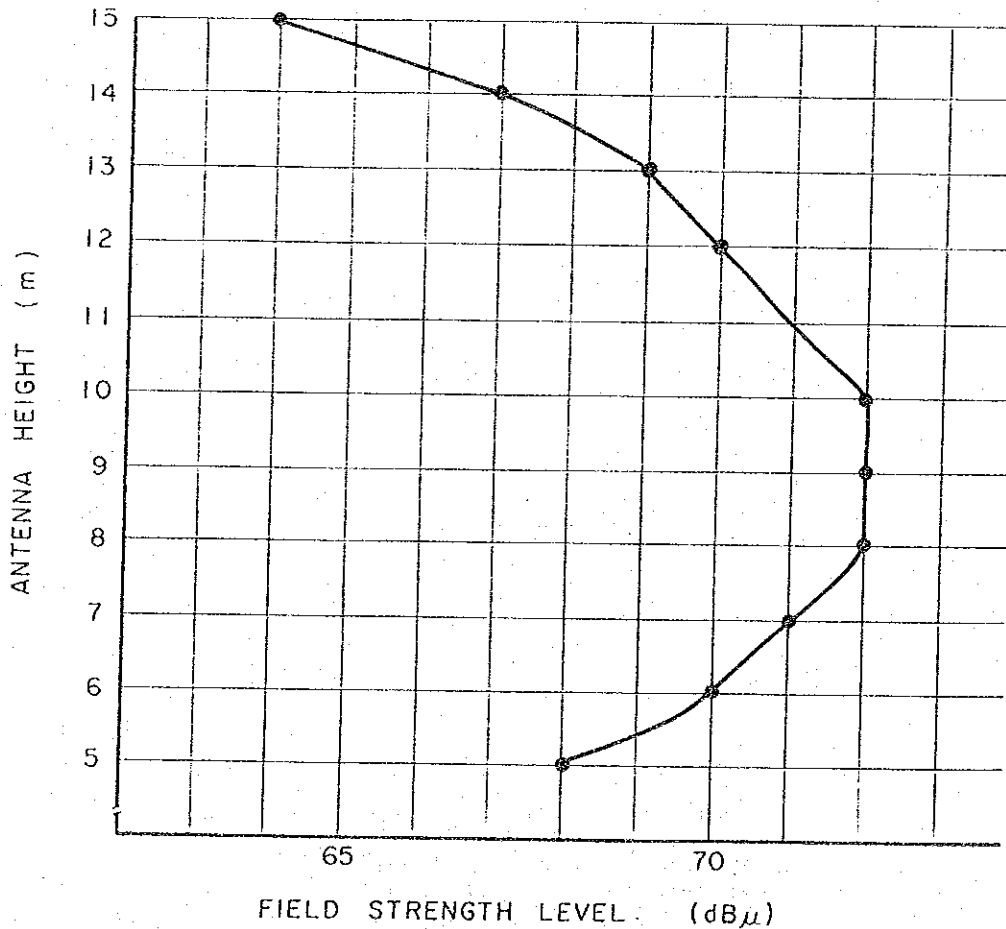


Fig.A.9 (1/36)

(RF Input Level)

Antenna Height Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR
 Measured Date : 21 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	BAGUIO RADAR	DAGUPAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 24 W Pr: 0.1 W	Pf: 25 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	216 °	036 °

2. Measured Result (DAGUPAN Transmit → BAGUIO RADAR Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
63.5	65.5	65	62	62.5	64	65.5	65	64	62.5	61

(unit: dBμ)

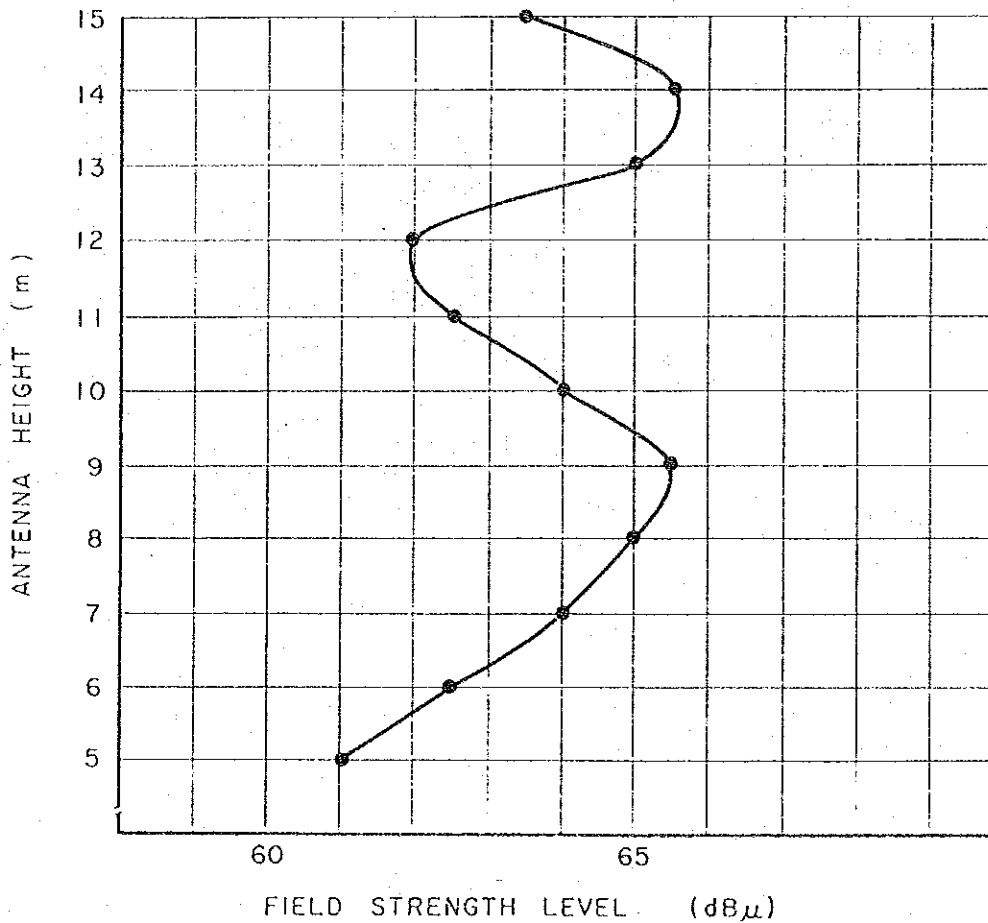


Fig.A.9 (2/36)

(RF Input Level)

Antenna Height Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR
 Measured Date : 21 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	BAGUIO RADAR	DAGUPAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 28 W Pr: 0.8 W	Pf: 25 W Pr: 0.8 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	216 °	036 °

2. Measured Result (DAGUPAN Transmit → BAGUIO RADAR Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
60	62	62	59	58	59	59	61	60	59	57

(unit: dBμ)

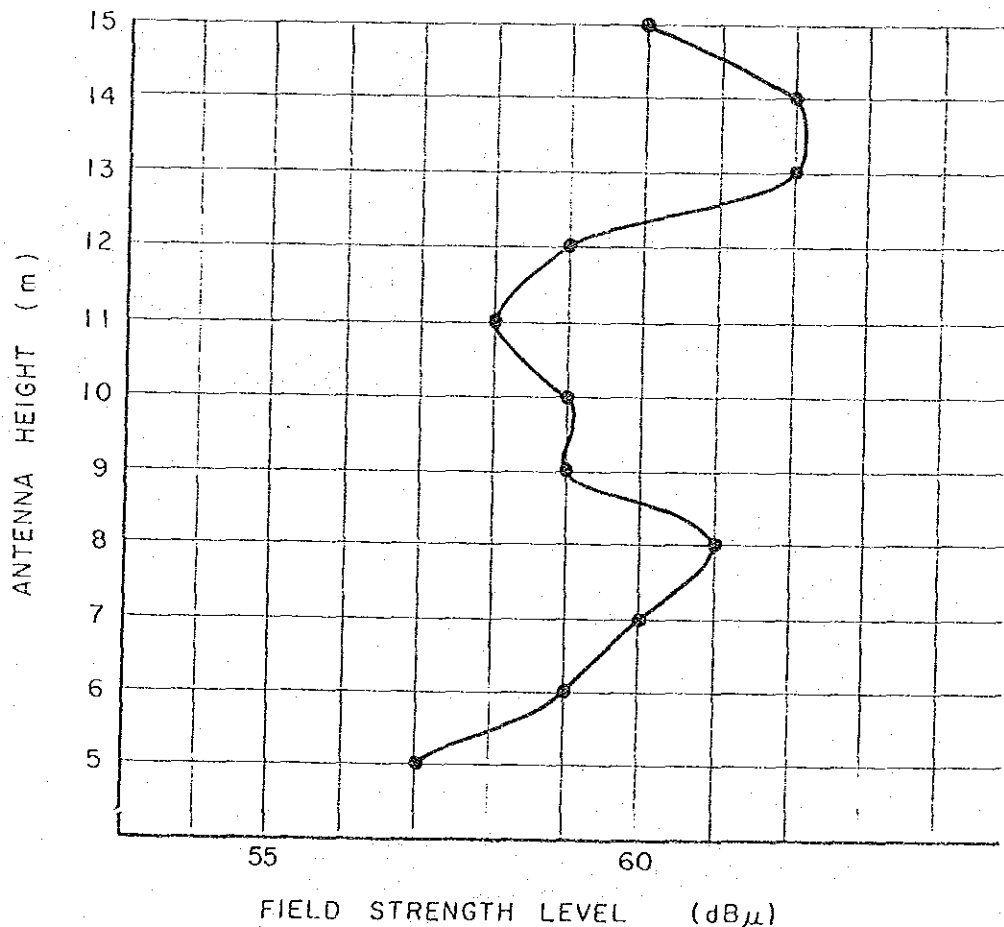


Fig.A.9 (3/36)

(RF Input Level)

Antenna Height Pattern (DAGUPAN Station)

Measured Station : DAGUPAN
 Measured Date : 21 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	DAGUPAN	BAGUIO RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 W Pr: 0.8 W	Pf: 28 W Pr: 0.8 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	216 °	036 °

2. Measured Result (BAGUIO RADAR → DAGUPAN)

Transmit Receive

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
61	65	68	69	70	70	71	70	69	68	67

(unit: dBμ)

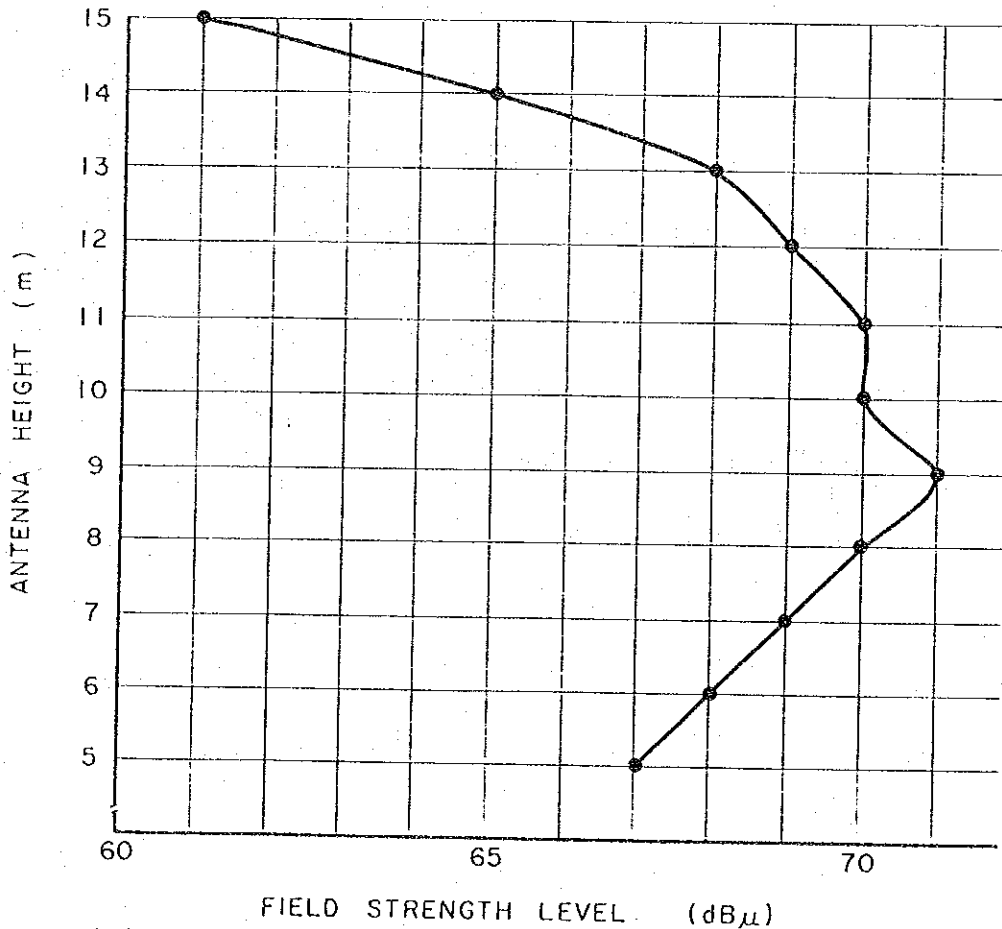


Fig.A.9 (4/36)

Antenna Height Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR
 Measured Date : 23 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	BAGUIO RADAR	VIGAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.05 W	Pf: 27 W Pr: 0.3 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	352 °	172 °

2. Measured Result (VIGAN Transmit → BAGUIO RADAR Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
58	58	58.2	57	54	51	55	58	57	51	59

(unit: dBμ)

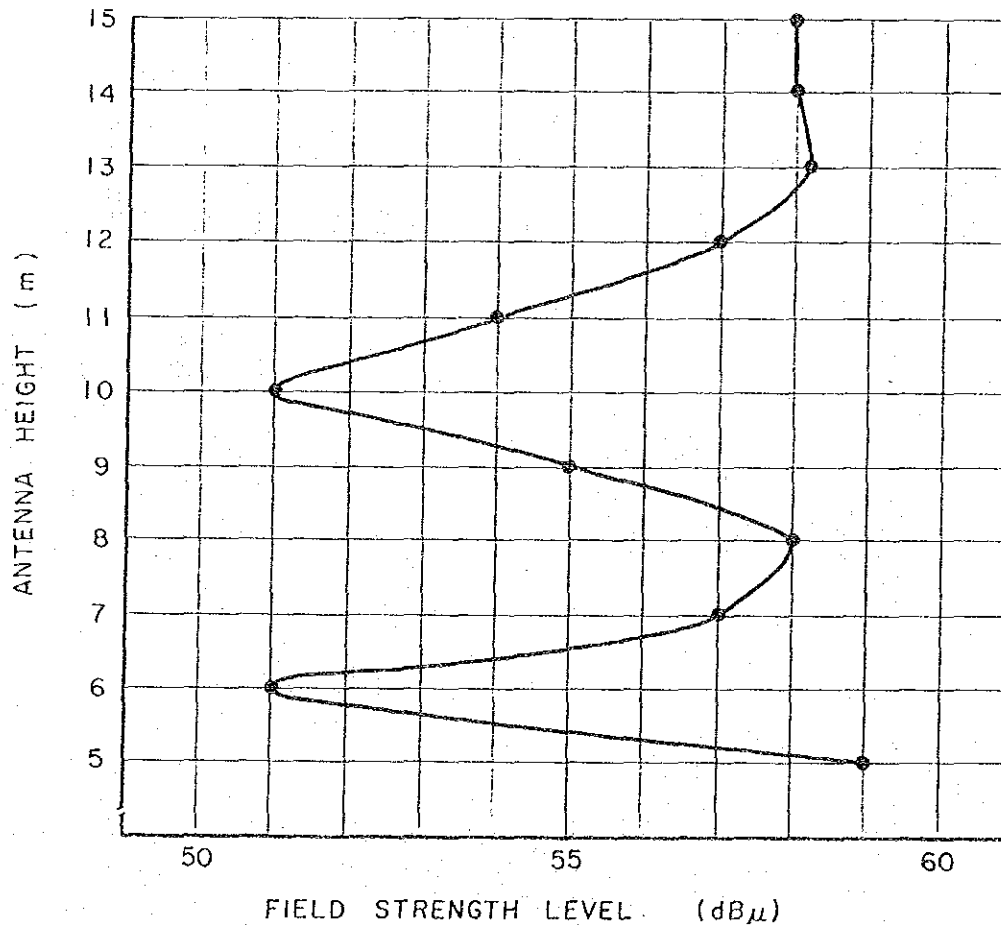


Fig.A.9 (5/36)

(RF Input Level)

Antenna Height Pattern (VIGAN Station)

Measured Station : VIGAN
 Measured Date : 23 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Item \ Station Name	VIGAN	BAGUIO RADAR
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.3 W	Pf: 27 W Pr: 0.05 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	172 °	352 °

2. Measured Result (BAGUIO RADAR Transmits → VIGAN Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
56	56	57	56	54	54	54	52	56	56	52

(unit: dBμ)

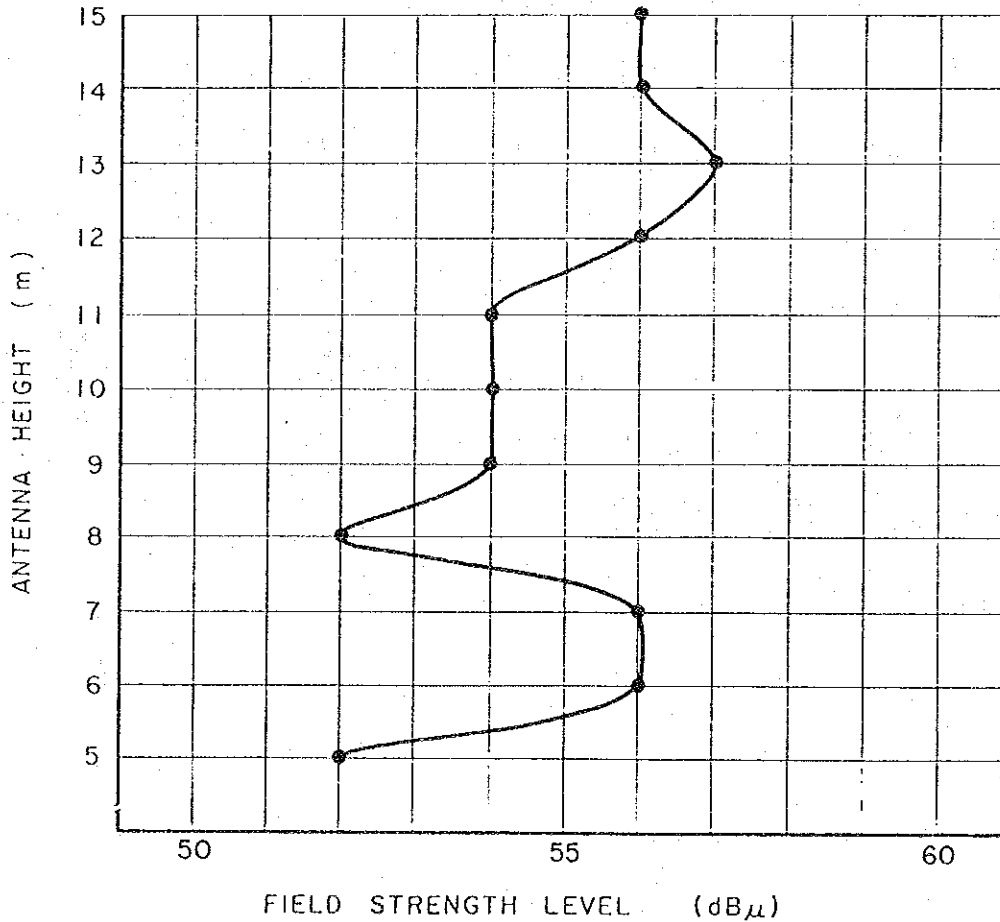


Fig.A.9 (6/36)

(RF Input Level)

Antenna Height Pattern (VIGAN Station)

Measured Station : VIGAN
 Measured Date : 23 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	VIGAN	BAGUIO RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 28 W Pr: 0.8 W	Pf: 28 W Pr: 0.8 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	172 °	352 °

2. Measured Result (BAGUIO RADAR Transmits → VIGAN Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
57	56	56	58	56	57	58	56	56	58	56

(unit: dBμ)

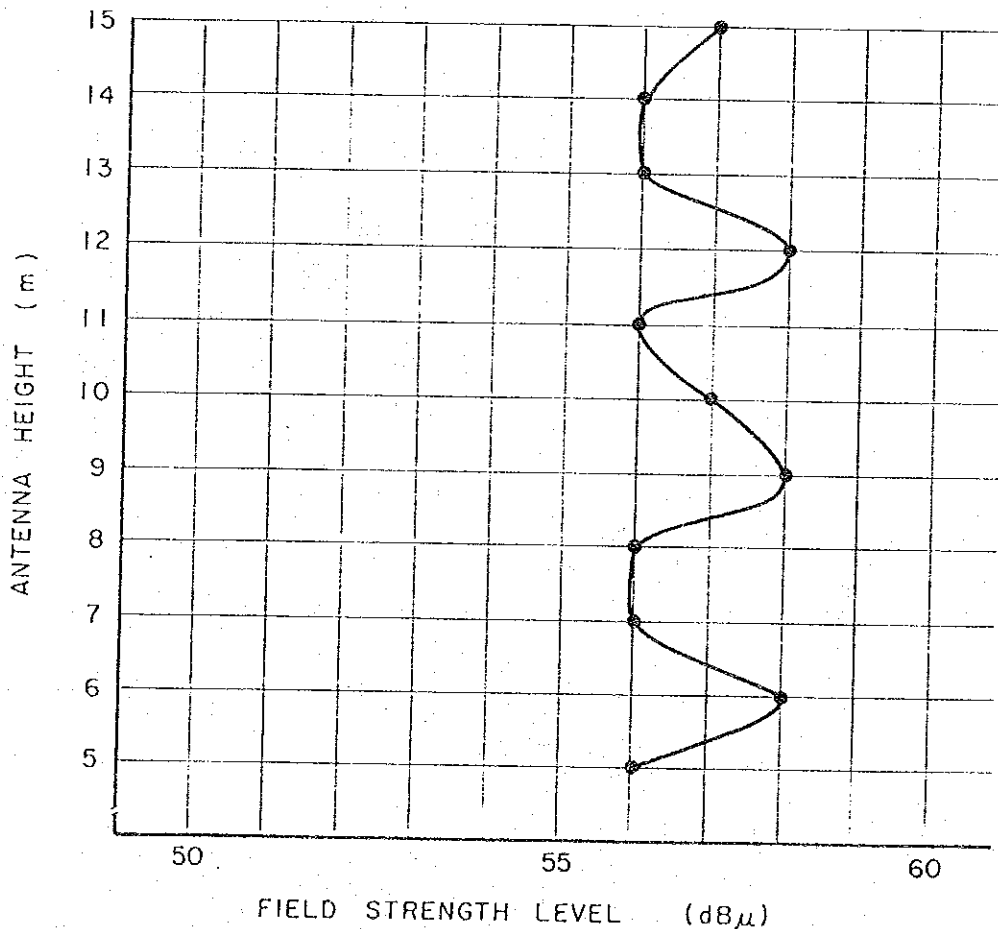


Fig.A.9 (7/36)

(RF Input Level)

Antenna Height Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR
 Measured Date : 23 JAN. '84
 Weather Condition: FINE

1. SETTING TERMS

Item \ Station Name	BAGUIO RADAR	VIGAN
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 28 W Pr: 0.8 W	Pf: 28 W Pr: 0.8 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	352 °	172 °

2. MEASURED RESULT (VIGAN Transmit → BAGUIO RADAR Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
56	56	56.5	56.5	53	50	56	57.5	56.5	51	59

(unit: dBμ)

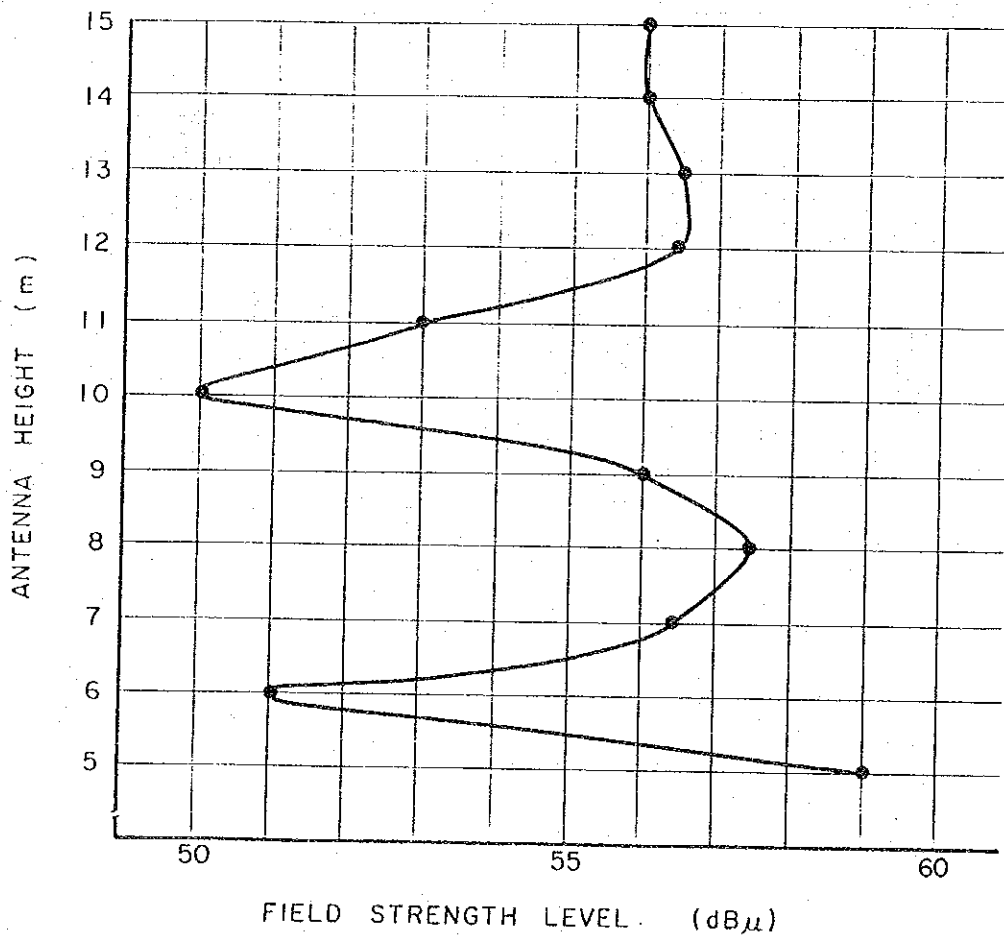


Fig.A.9 (8/36)

FIELD STRENGTH LEVEL (dBμ)
 (RF Input Level)

Antenna Height Pattern (LAOAG Station)

Measured Station : LAOAG
 Measured Date : 24 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	LAOAG	BAGUIO RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	179 °	359 °

2. Measured Result (BAGUIO RADAR Transmit → LAOAG Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
6	2	2	-	0	3	1	2	1	-	-

(unit: dBμ)

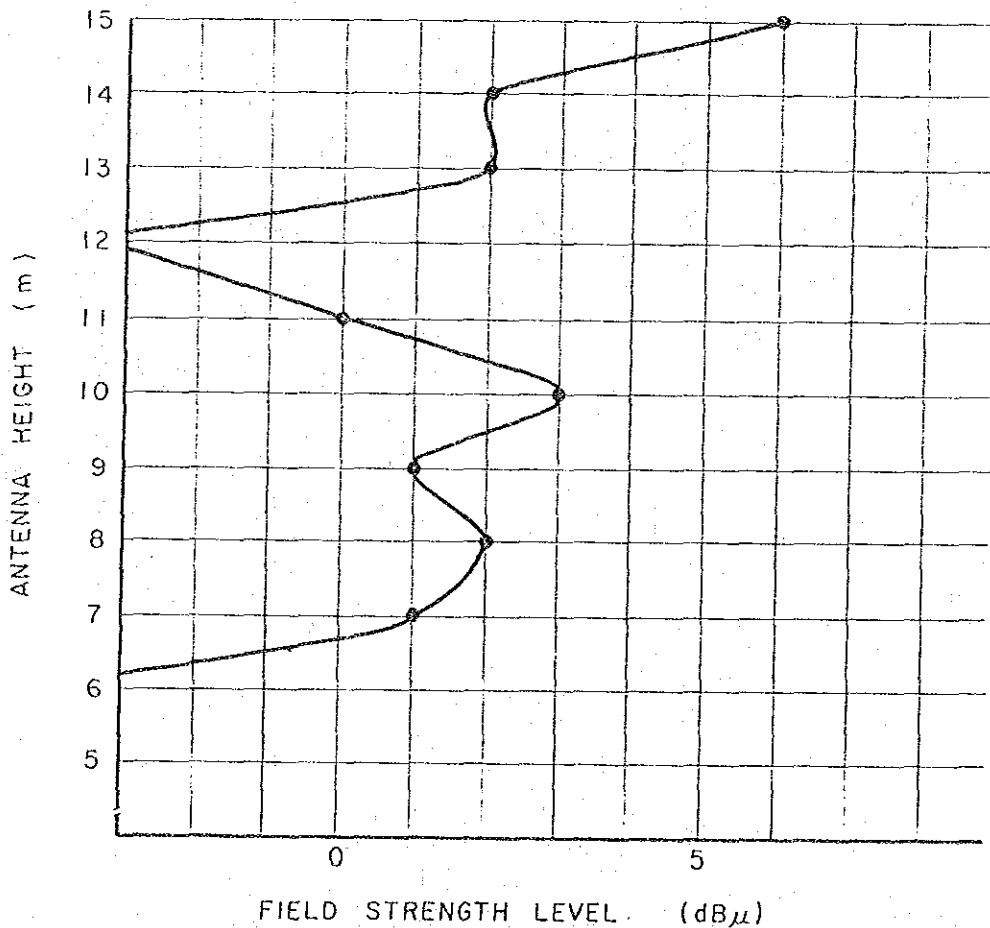


Fig.A.9 (9/36)

(RF Input Level)

Antenna Height Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR
 Measured Date : 24 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	BAGUIO RADAR	LAOAG
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	359 °	179 °

2. Measured Result (LAOAG Transmit → BAGUIO RADAR Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
5	8	7	4	5	8.5	5	4	5	6	6

(unit: dBμ)

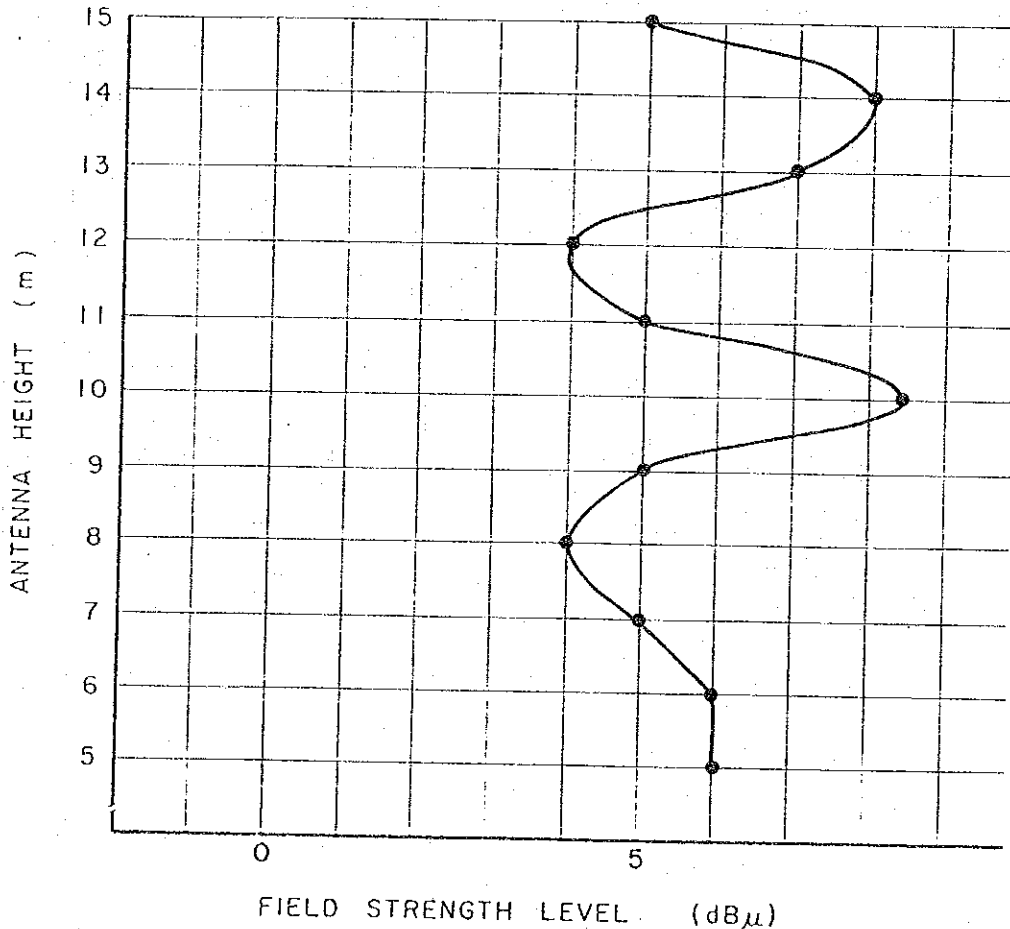


Fig.A.9 (10/36)

(RF Input Level)

Antenna Height Pattern (VIGAN Station)

Measured Station : VIGAN
 Measured Date : 26 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	VIGAN	LAOAG
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 25 W Pr: 0.2 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	014 °	194 °

2. Measured Result (LAOAG Transmit → VIGAN Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
24	22	22	22	23	22	21	20	19.5	20	20

(unit: dBμ)

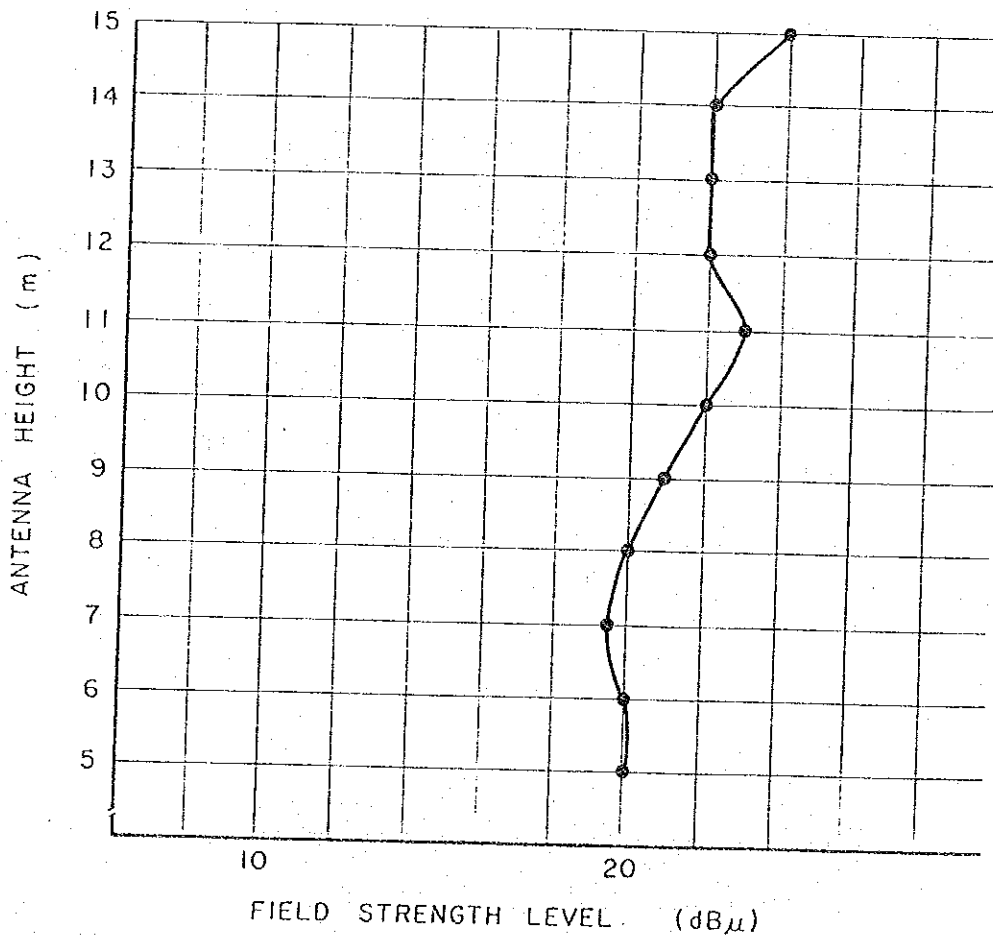


Fig.A.9 (11/36)

(RF Input Level)

Antenna Height Pattern (LAOAG Station)

Measured Station : LAOAG
 Measured Date : 26 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Item \ Station Name	LAOAG	VIGAN
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 W Pr: 0.2 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	194 °	014 °

2. Measured Result (VIGAN Transmit → LAOAG Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
24	24	22	21	20	18	17	15	12	11	10

(unit: dBμ)

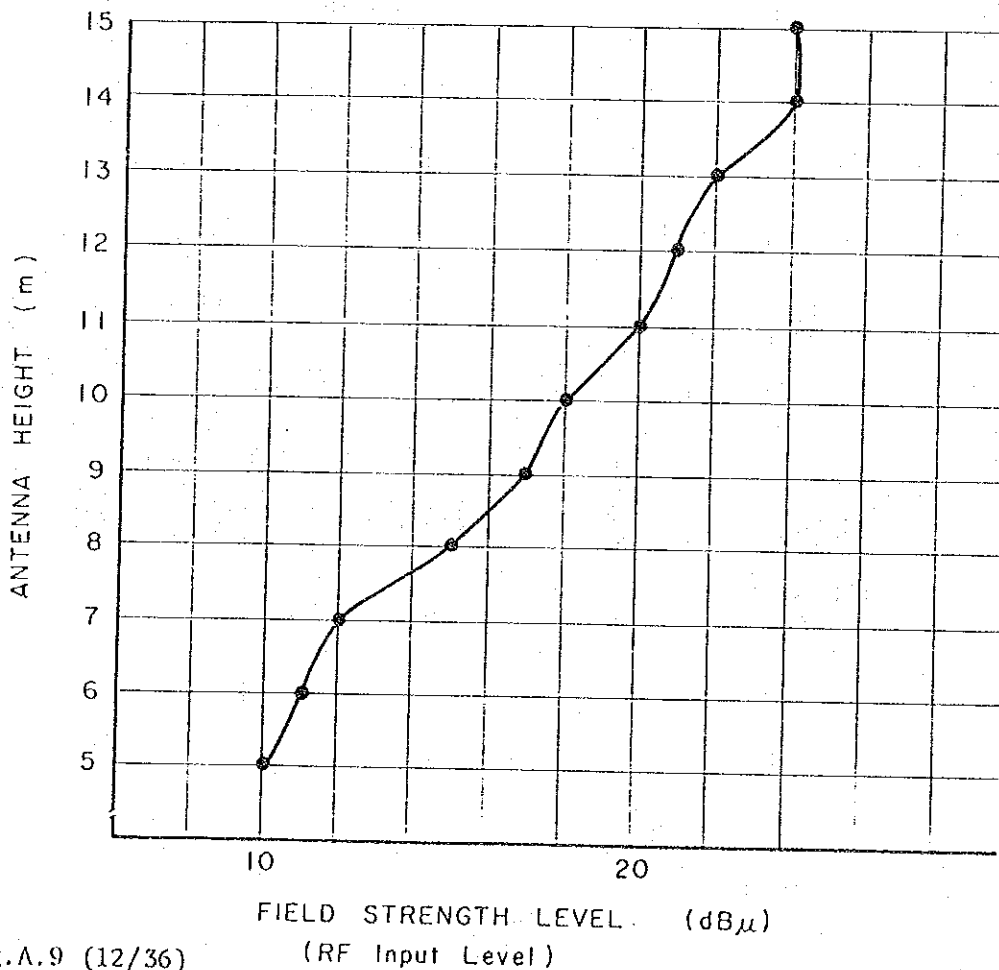


Fig.A.9 (12/36)

Antenna Height Pattern (VIGAN Station)

Measured Station : VIGAN
 Measured Date : 26 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Item \ Station Name	VIGAN	LAOAG
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 W Pr: 0.7 W	Pf: 26 W Pr: 1.6 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	014 °	194 °

2. Measured Result (LAOAG Transmit → VIGAN Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
19	19	18	18	19.5	19.5	18	17	16	16	16

(unit: dBμ)

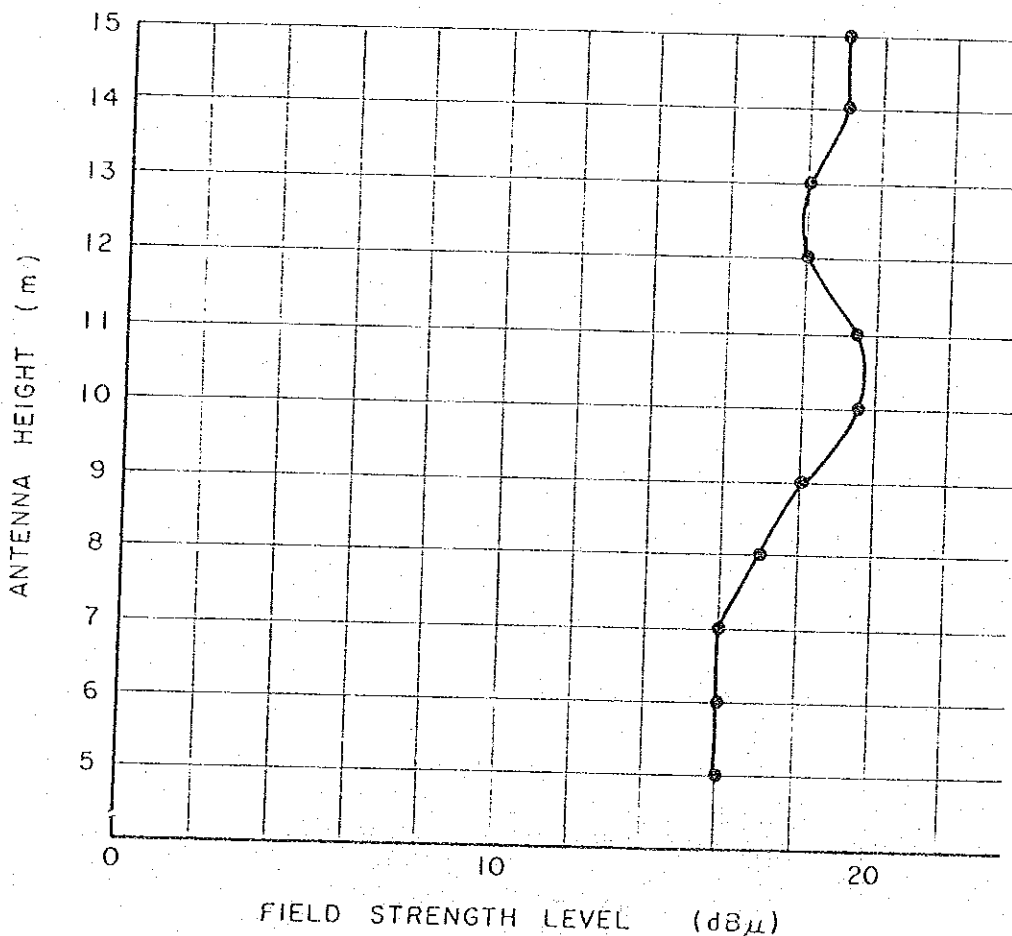


Fig.A.9 (13/36)

(RF Input Level)

Antenna Height Pattern (LAOAG Station)

Measured Station : LAOAG
 Measured Date : 26 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Item \ Station Name	LAOAG	VIGAN
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 1.6 W	Pf: 25 W Pr: 0.7 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	194 °	014 °

2. Measured Result (VIGAN Transmit → LAOAG Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
17	16	12	12.5	12	10	8	6.5	4	2.5	2

(unit: dBμ)

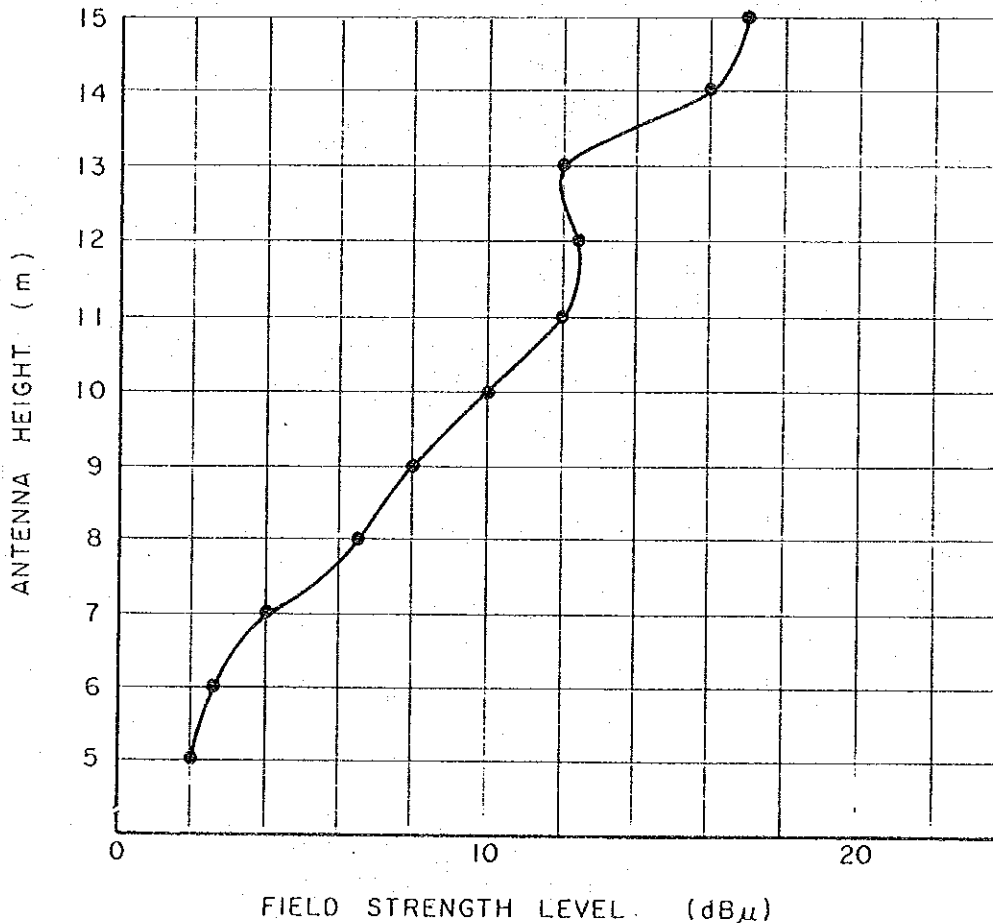


Fig.A.9 (14/36)

(RF Input Level)

Antenna Height Pattern (CARMEN ROSALES Station)

Measured Station : CARMEN ROSALES
 Measured Date : 28 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	CARMEN ROSALES	MUÑOZ
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 24 W Pr: 0.2 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	115 °	295 °

2. Measured Result (MUÑOZ Transmit → CARMEN ROSALES Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
33	32	31	30	30.5	31	28	26	27	26.5	23.5

(unit: dBμ)

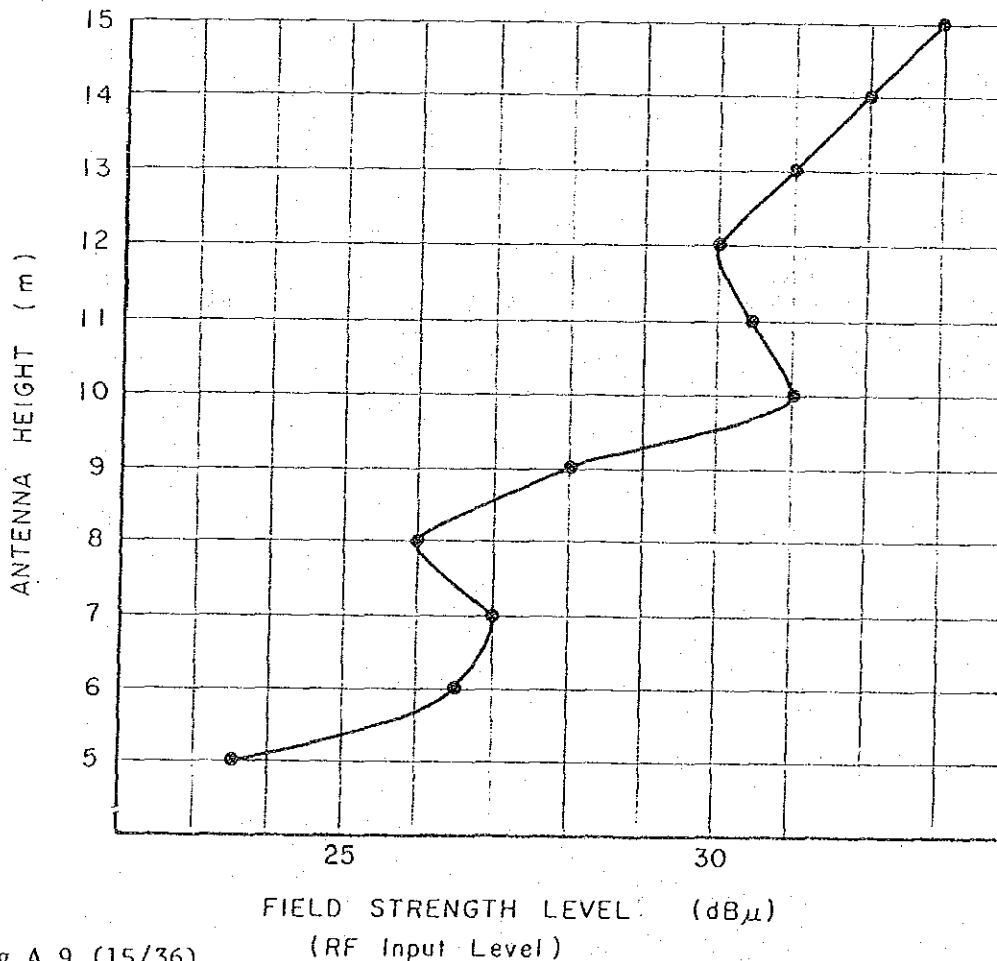


Fig. A.9 (15/36)

Antenna Height Pattern (MUÑOZ Station)

Measured Station : MUÑOZ
 Measured Date : 28 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Item \ Station Name	MUÑOZ	CARMEN ROSALES
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 24 W Pr: 0.2 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	295 °	115 °

2. Measured Result (CARMEN ROSALES Transmit → MUÑOZ Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
32	32	31	30	30	28	26	25	24	23	22

(unit: dBμ)

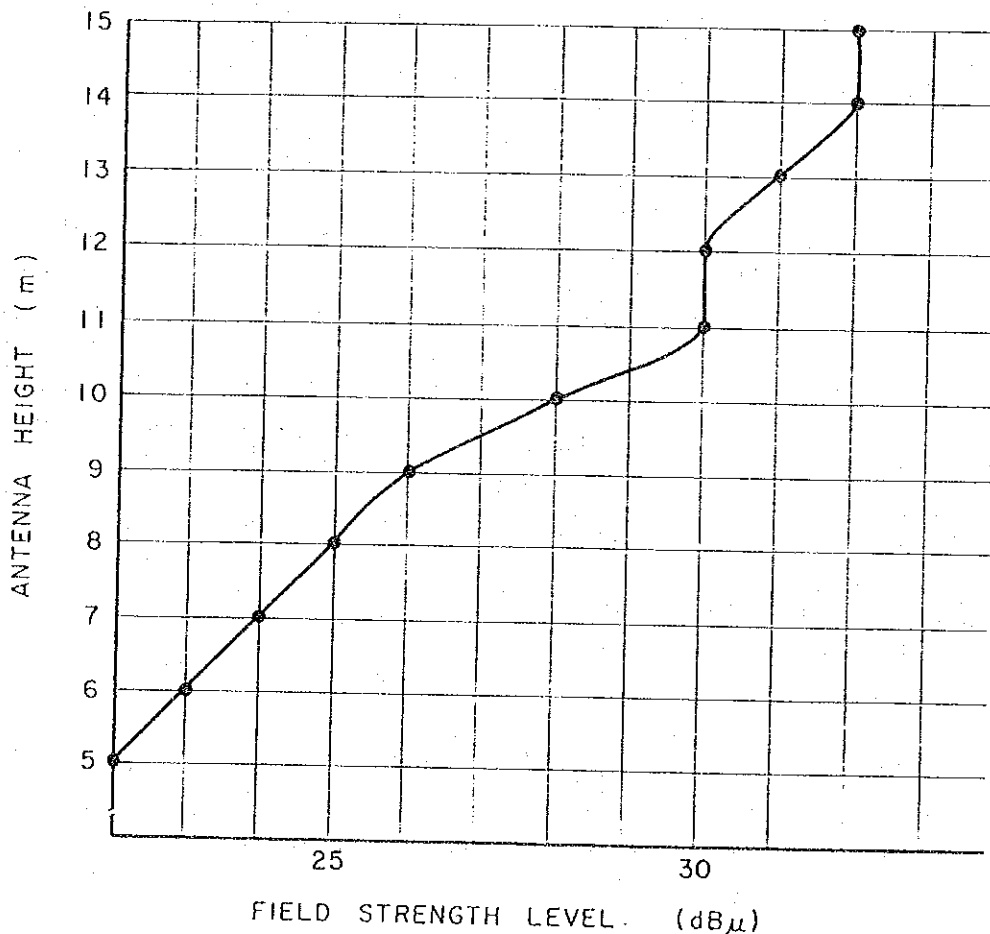


Fig.A.9 (16/36)

(RF Input Level)

Antenna Height Pattern (BALER RADAR Station)

Measured Station : BALER RADAR
 Measured Date : 30 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Item \ Station Name	BALER RADAR	MUÑOZ
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 24 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	269 °	089 °

2. Measured Result (MUÑOZ Transmit → BALER RADAR Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
25	24	25	25	25	24	23.5	24.5	25	23.5	22

(unit: dBμ)

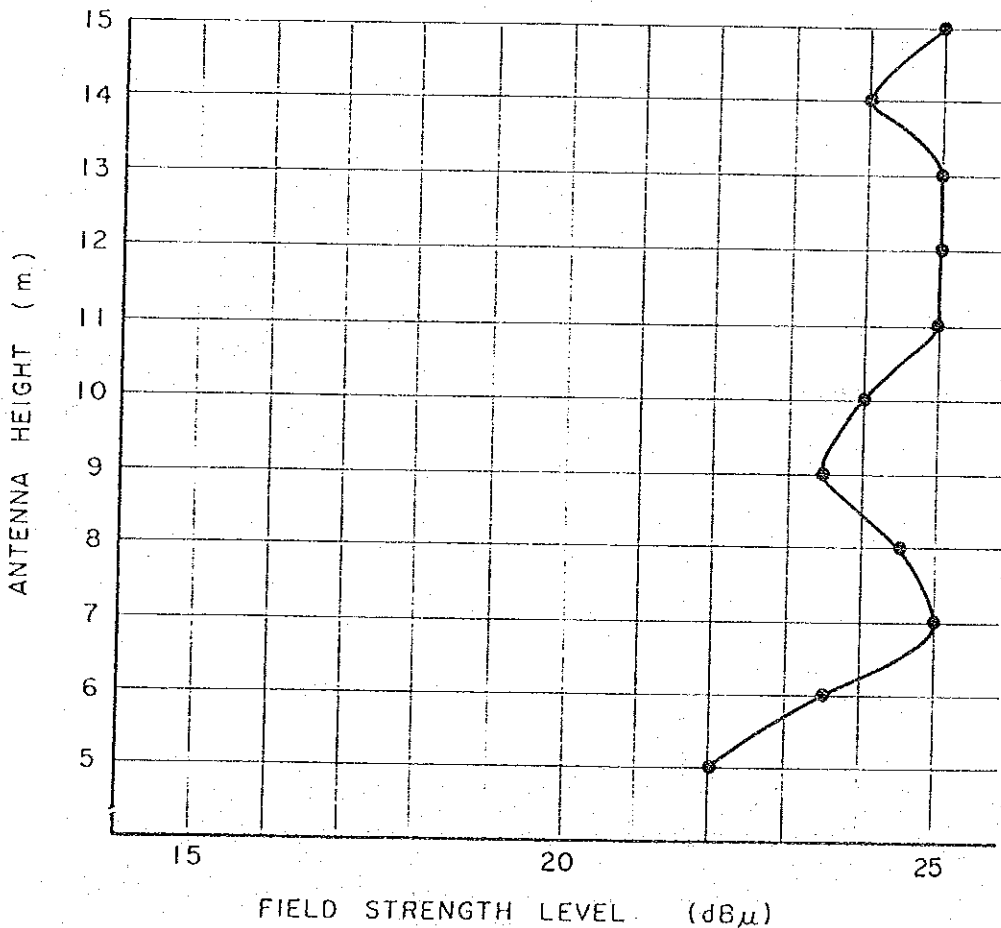


Fig.A.9 (17/36)

(RF Input Level)

Antenna Height Pattern (MUÑOZ Station)

Measured Station : MUÑOZ
 Measured Date : 30 JAN. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	MUÑOZ	BALER RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: W Pr: W	Pf: W Pr: W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	089°	269°

2. Measured Result (BALER RADAR Transmit → MUÑOZ Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
23	22	22	21	21	20	20	19	18	17	15

(unit: dBμ)

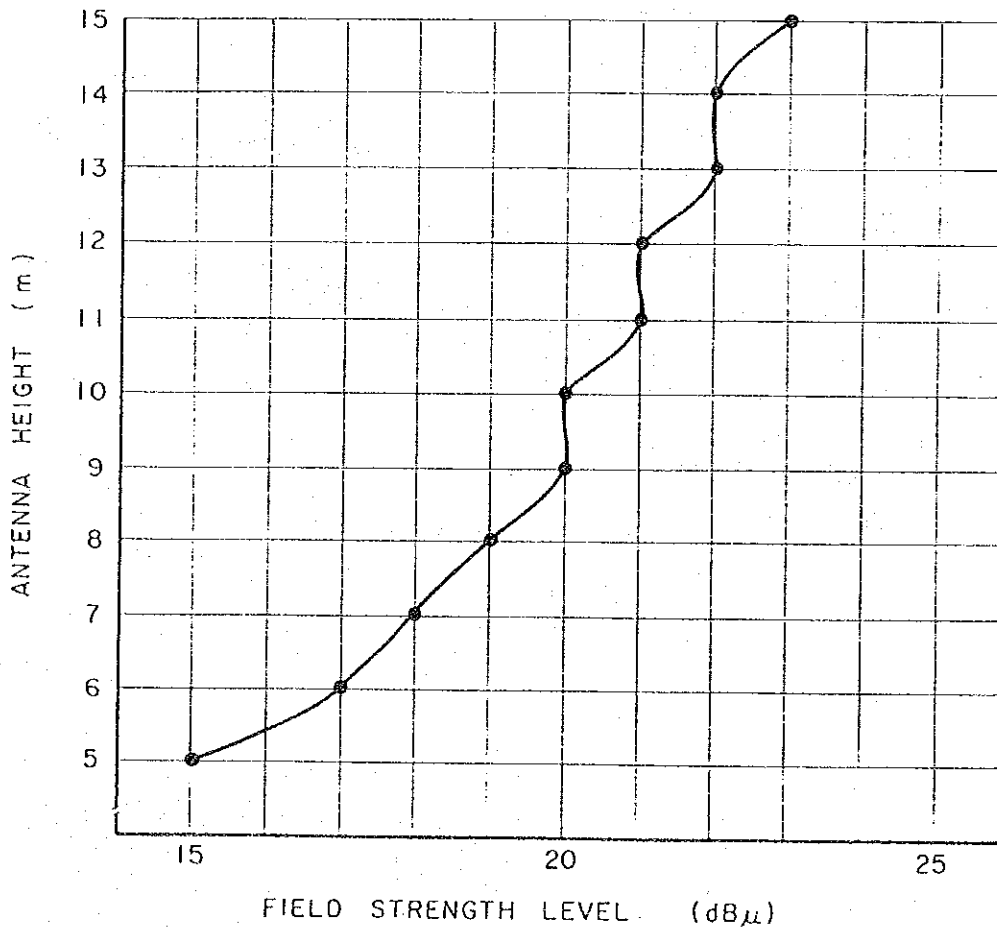


Fig. A.9 (18/36) (RF Input Level)

Antenna Height Pattern (BALER RADAR Station)

Measured Station : BALER RADAR
 Measured Date : 2 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	BALER RADAR	CASIGURAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 23 W Pr: 0.2 W	Pf: 27 W Pr: 0.3 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	043 °	223 °

2. Measured Result (CASIGURAN Transmit → BALER RADAR Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
33	31	32	36	36.5	36	34.5	31.5	28	24.5	19

(unit: dBμ)

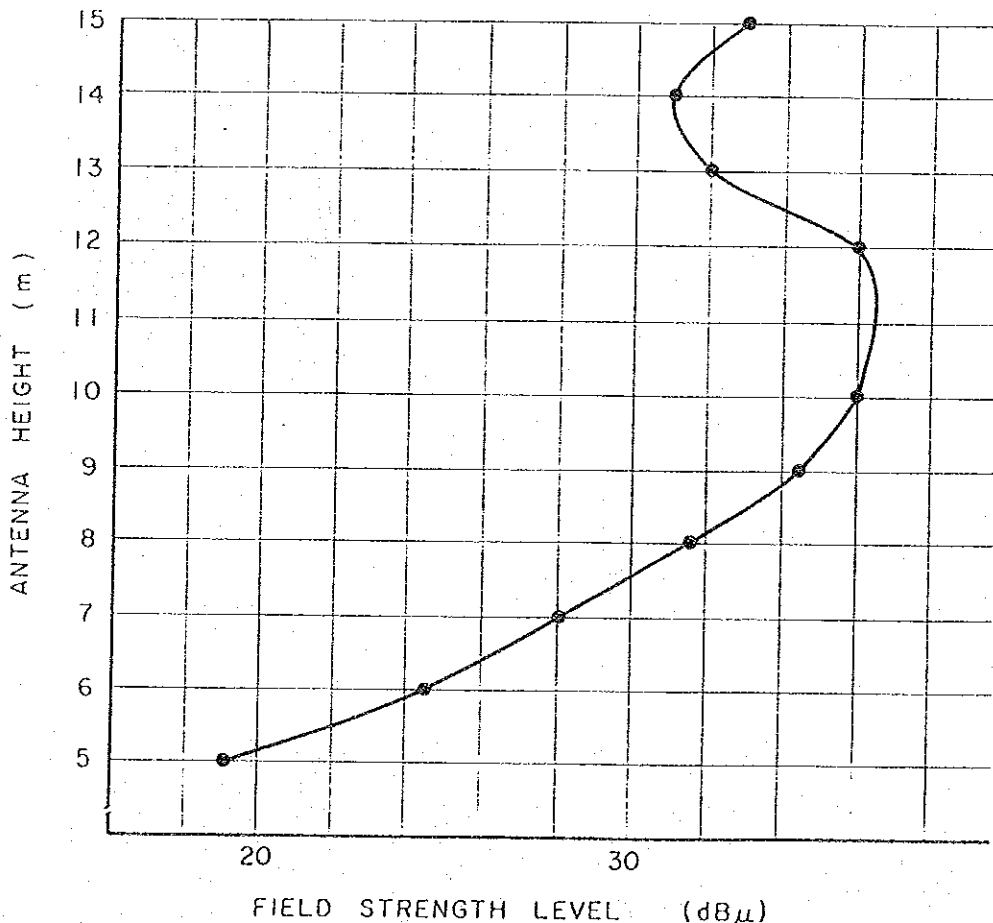


Fig.A.9 (19/36)

(RF Input Level)

Antenna Height Pattern (INFANTA Station)

Measured Station : INFANTA
 Measured Date : 14 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	INFANTA	TANAY
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	237 °	057 °

2. Measured Result (TANAY Transmit → INFANTA Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
23	21	20	19	17	16	16	15	10	9	8

(unit: dBμ)

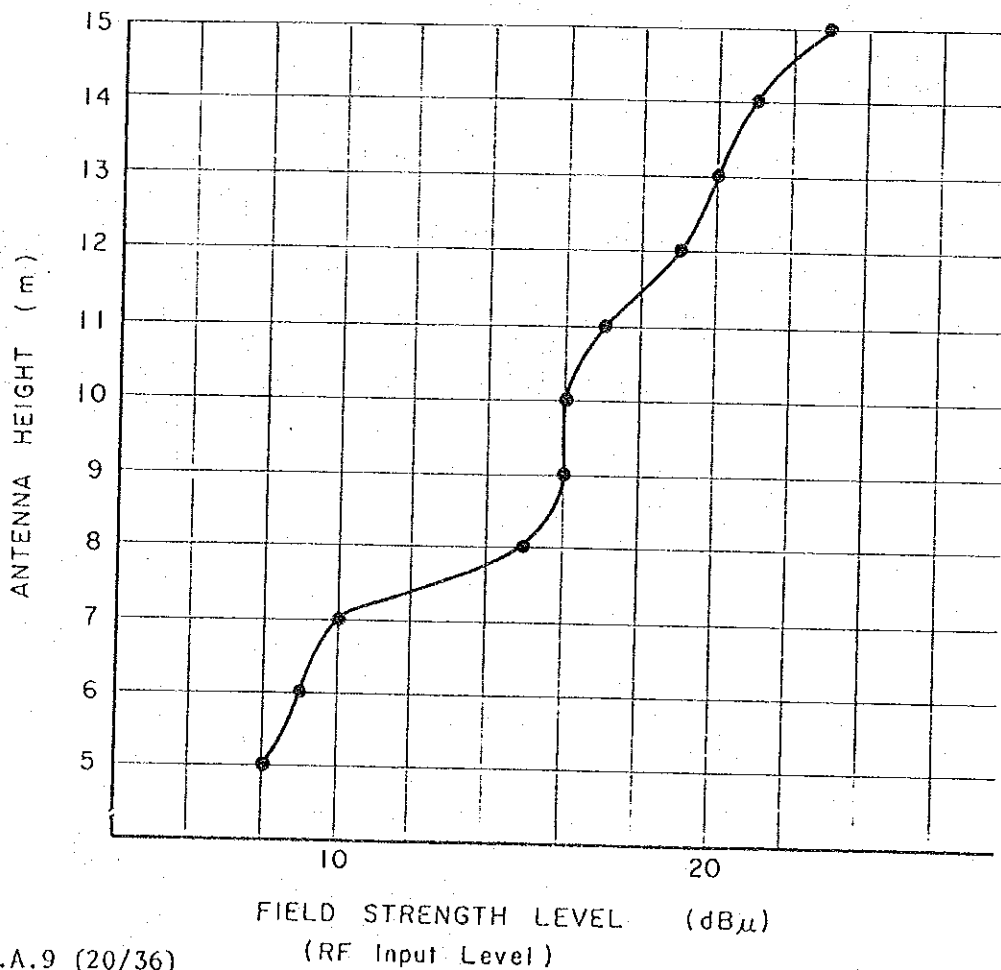


Fig.A.9 (20/36)

Antenna Height Pattern (TANAY Station)

Measured Station : TANAY
 Measured Date : 14 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Item \ Station Name	TANAY	INFANTA
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	057 °	237 °

2. Measured Result (INFANTA → TANAY)

Transmit Receive

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	24.5	24	25	23	24	20

(unit: dBμ)

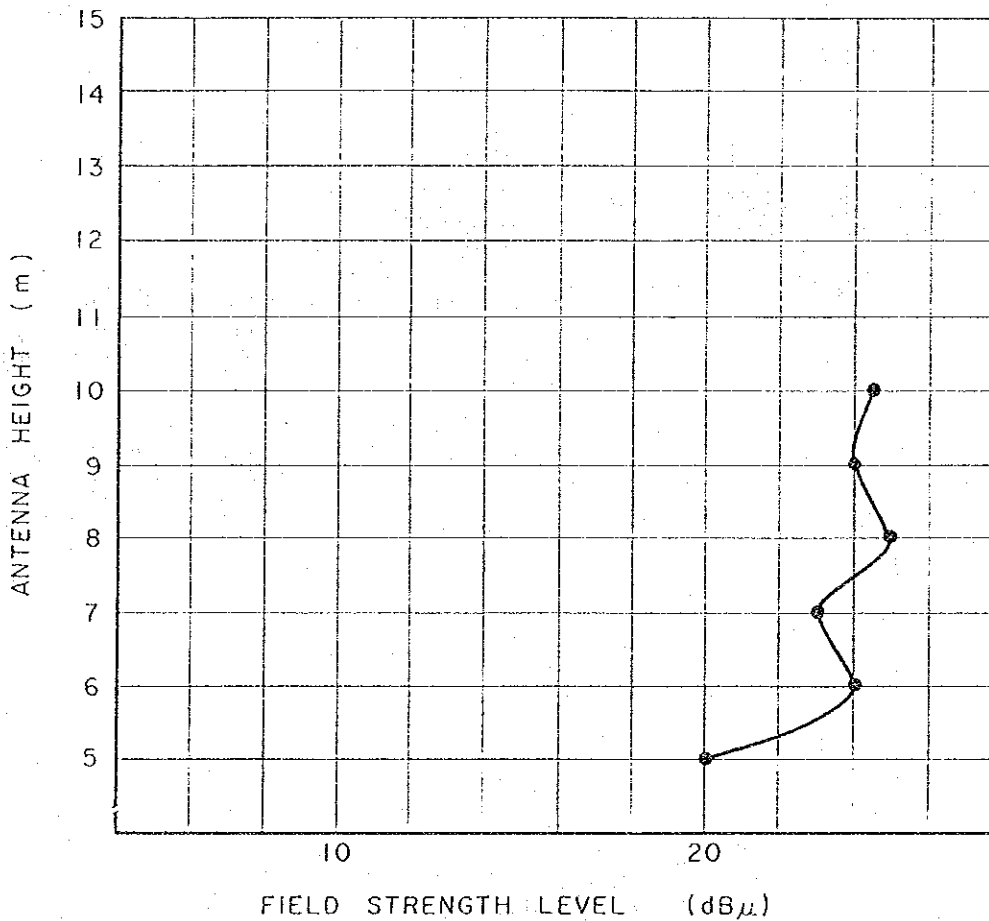


Fig.A.9 (21/36)

(RF Input Level)

Antenna Height Pattern (ALABAT Station)

Measured Station : ALABAT
 Measured Date : 16 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	ALABAT	TANAY
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 24.5 W Pr: 0.05 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	306 °	126 °

2. Measured Result (TANAY Transmit → ALABAT Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
23	21	20	21	21	19	17	13	12	12	8

(unit: dBμ)

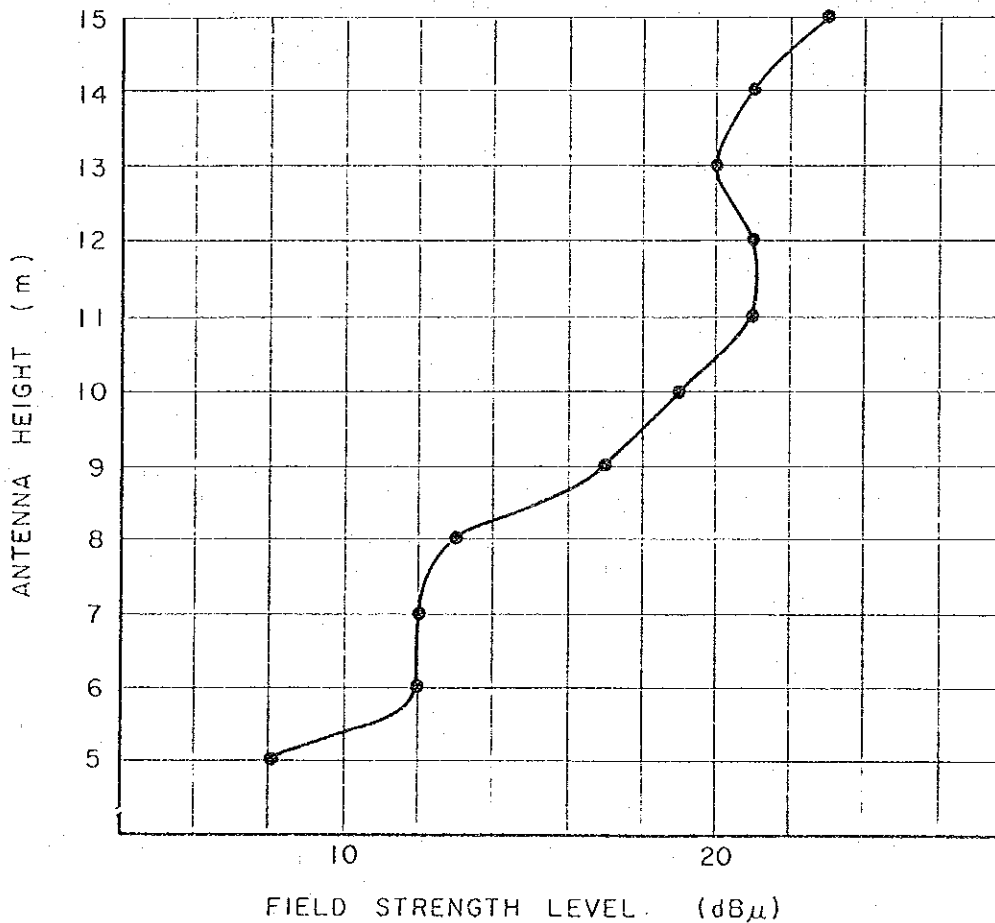


Fig. A.9 (22/36)

(RF Input Level)

Antenna Height Pattern (TANAY Station)

Measured Station : TANAY
 Measured Date : 16 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Station Name Item	TANAY	ALABAT
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 24.5 W Pr: 0.05 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	126 °	306 °

2. Measured Result (ALABAT Transmit → TANAY Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	23	24	22	20	18	16

(unit: dBμ)

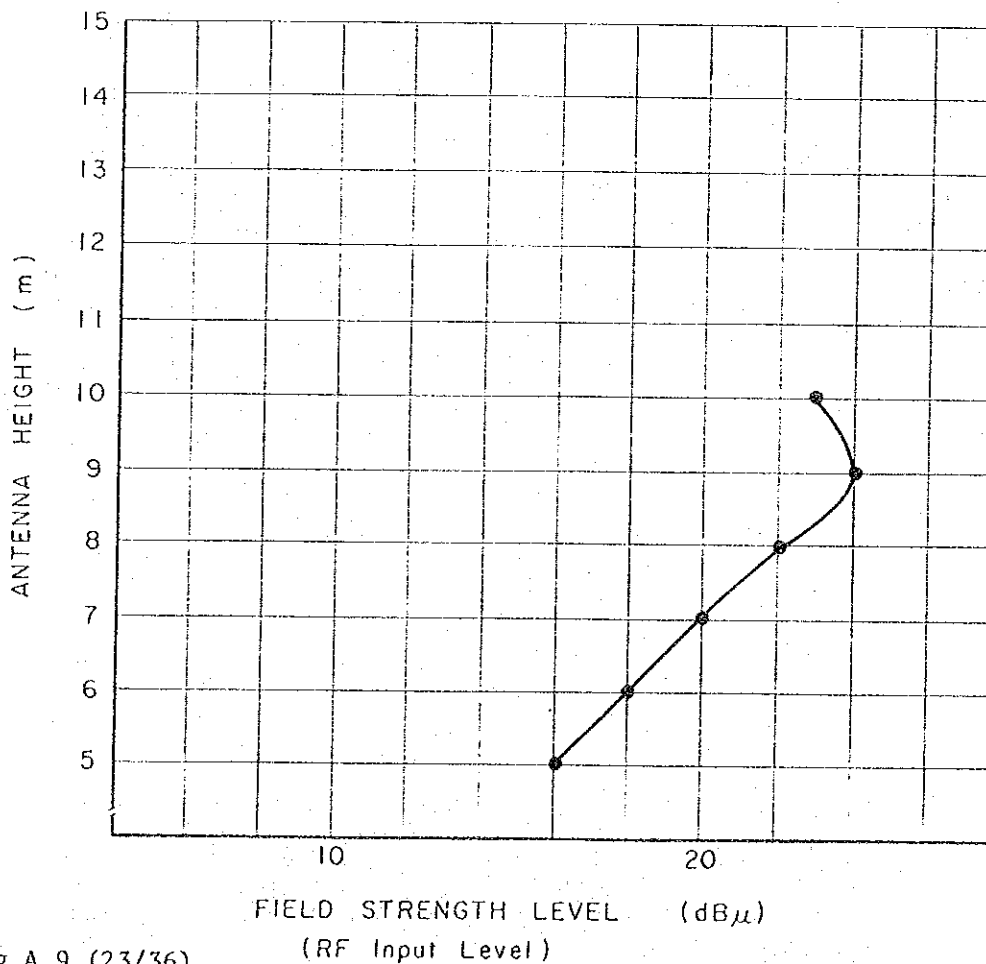


Fig.A.9 (23/36)

Antenna Height Pattern (CALAPAN Station)

Measured Station : CALAPAN
 Measured Date : 18 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	CALAPAN	TANAY
Item		
Test Frequency	150.200 MHz	150.200 MHz
Transmitting Power	Pf: 24.5 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	008 °	188 °

2. Measured Result (TANAY Transmit → CALAPAN Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
22	22	22	21	22	22	21	19	16	13	11

(unit: dBμ)

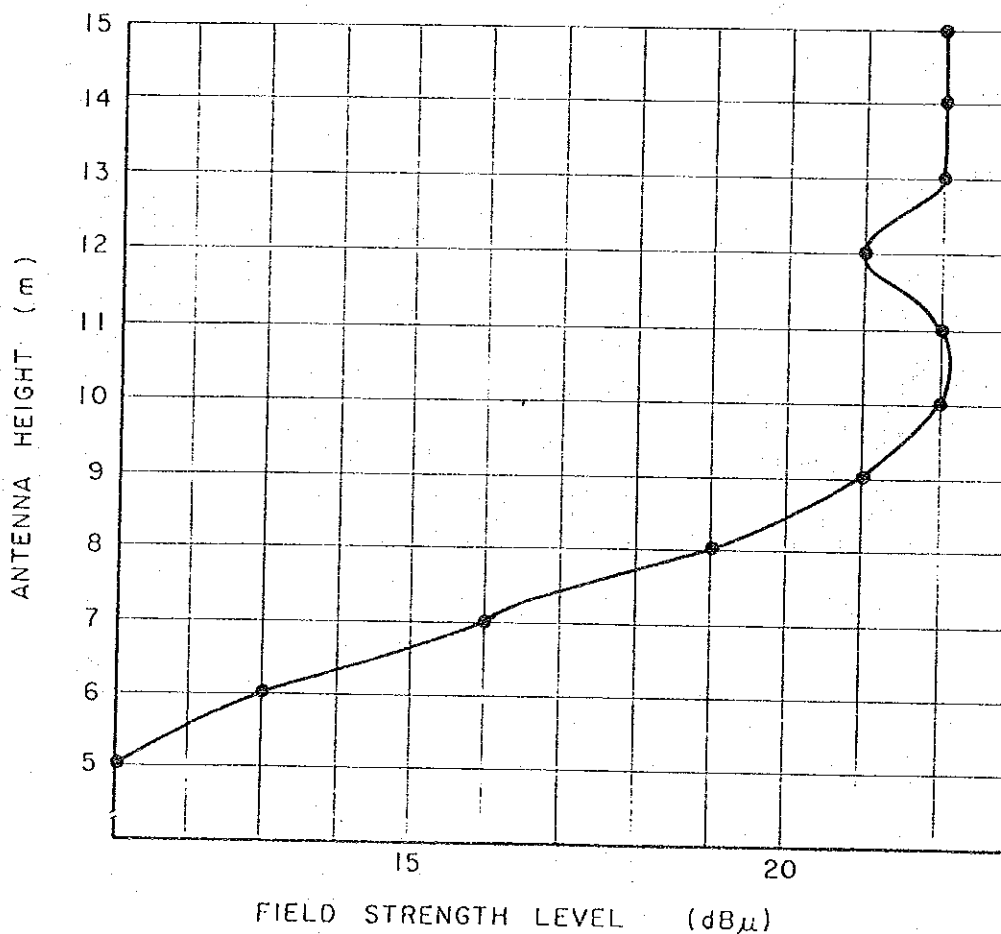


Fig.A.9 (24/36)

(RF Input Level)

Antenna Height Pattern (TANAY Station)

Measured Station : TANAY
 Measured Date : 18 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Item	Station Name TANAY	CALAPAN
Test Frequency	150.200 MHz	150.200 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 24.5 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	188 °	008 °

2. Measured Result (CALAPAN Transmit → TANAY Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	21	27.5	32	32	30.5	20

(unit: dBμ)

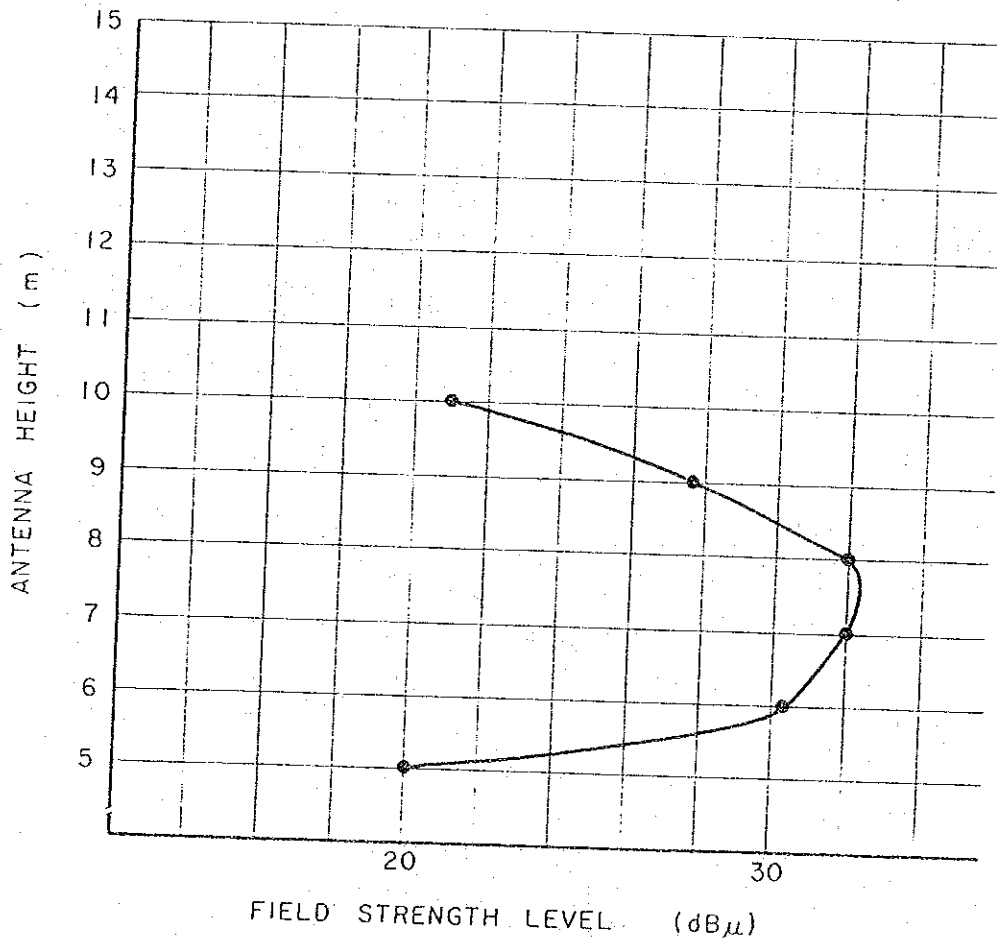


Fig.A.9 (25/36)

(RF Input Level)

Antenna Height Pattern (AMBULONG Station)

Measured Station : AMBULONG
 Measured Date : 21 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Item	AMBULONG	TANAY
Station Name	AMBULONG	TANAY
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	30 °	210 °

2. Measured Result (TANAY Transmit → AMBULONG Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
25	24	23	23	23	23	22	20	18	18	17

(unit: dBμ)

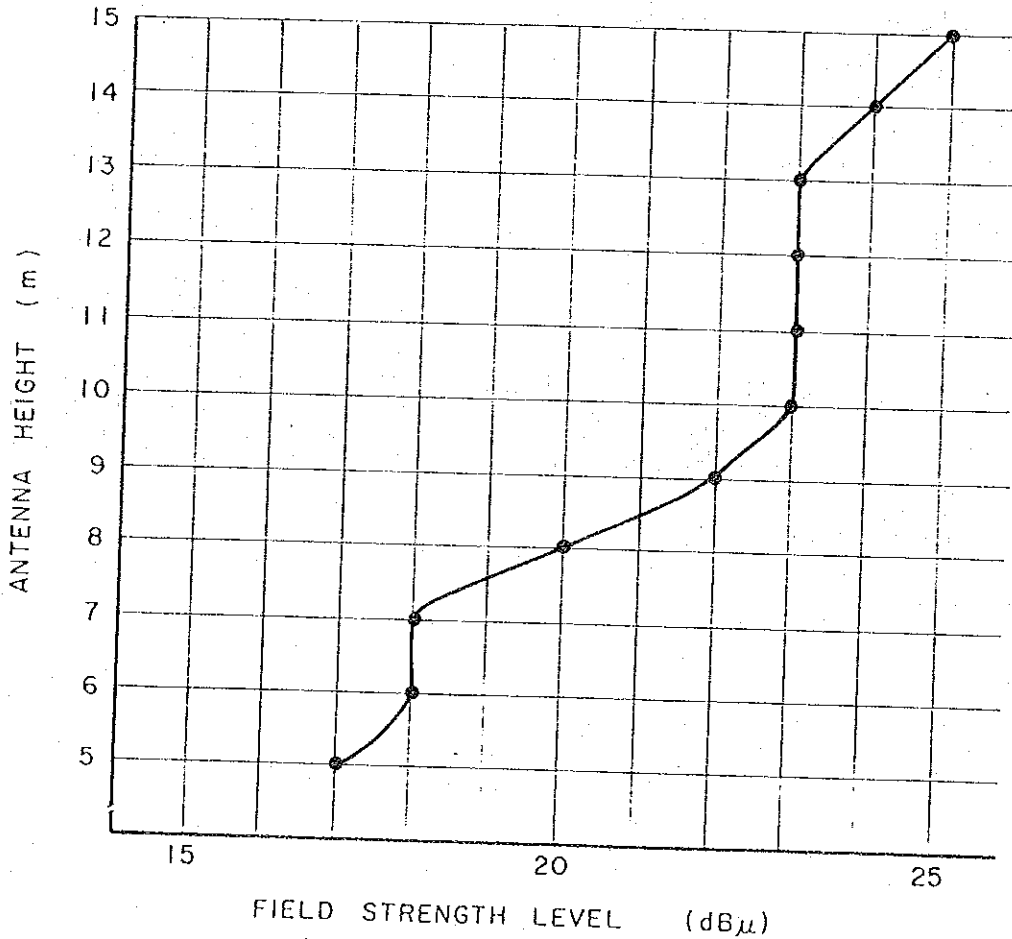


Fig. A.9 (26/36)

(RF Input Level)

Antenna Height Pattern (TANAY Station)

Measured Station : TANAY
 Measured Date : 21 FEB. '84
 Weather Condition: FINE

1. Setting Terms

Item \ Station Name	TANAY	AMBULONG
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	210 °	30 °

2. Measured Result (AMBULONG Transmit → TANAY Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	25	24.5	23	23.5	25.5	27

(unit: dBμ)

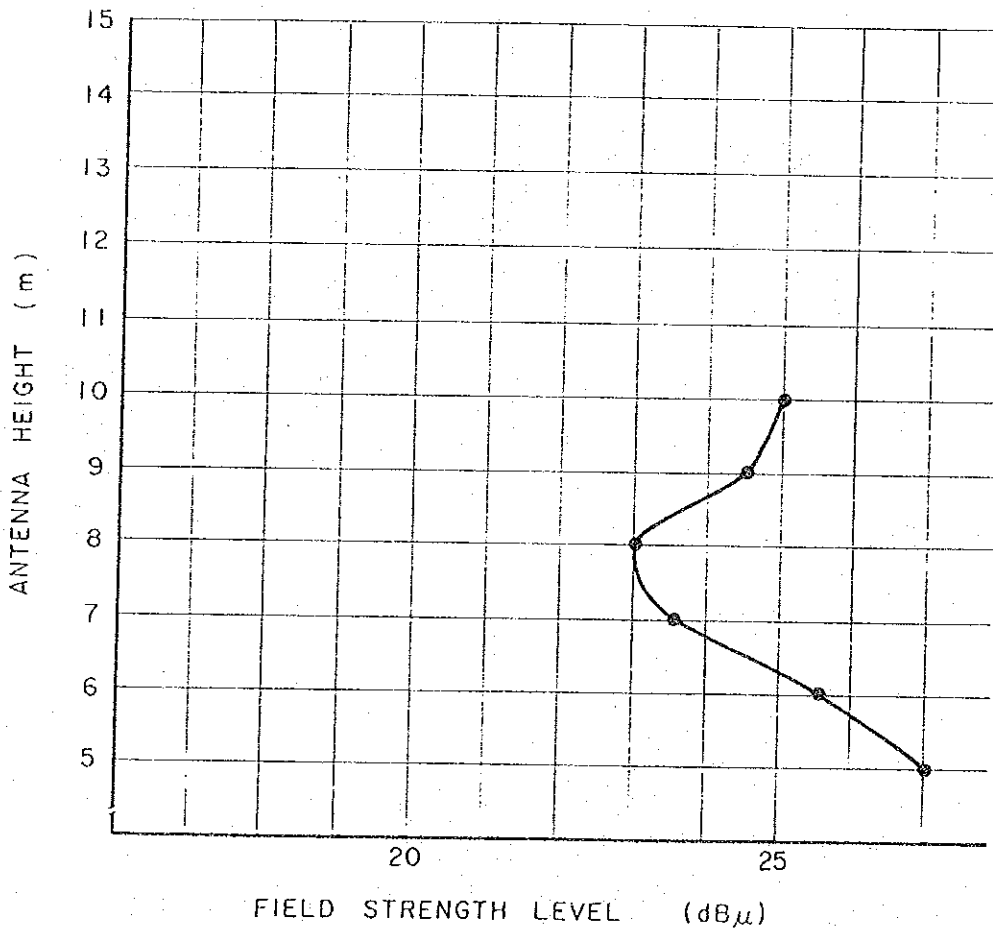


Fig.A.9 (27/36)

(RF Input Level)

Antenna Height Pattern (TANAY Station)

Measured Station : TANAY
 Measured Date : 17 MAR. '84
 Weather Condition: FINE

1. Setting Terms

Item	Station Name TANAY	JOMALIG
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 22 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	80 °	260 °

2. Measured Result (JOMALIG Transmit → TANAY Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
24	20	17	20	21	19	20	18	15	13	15

(unit: dBμ)

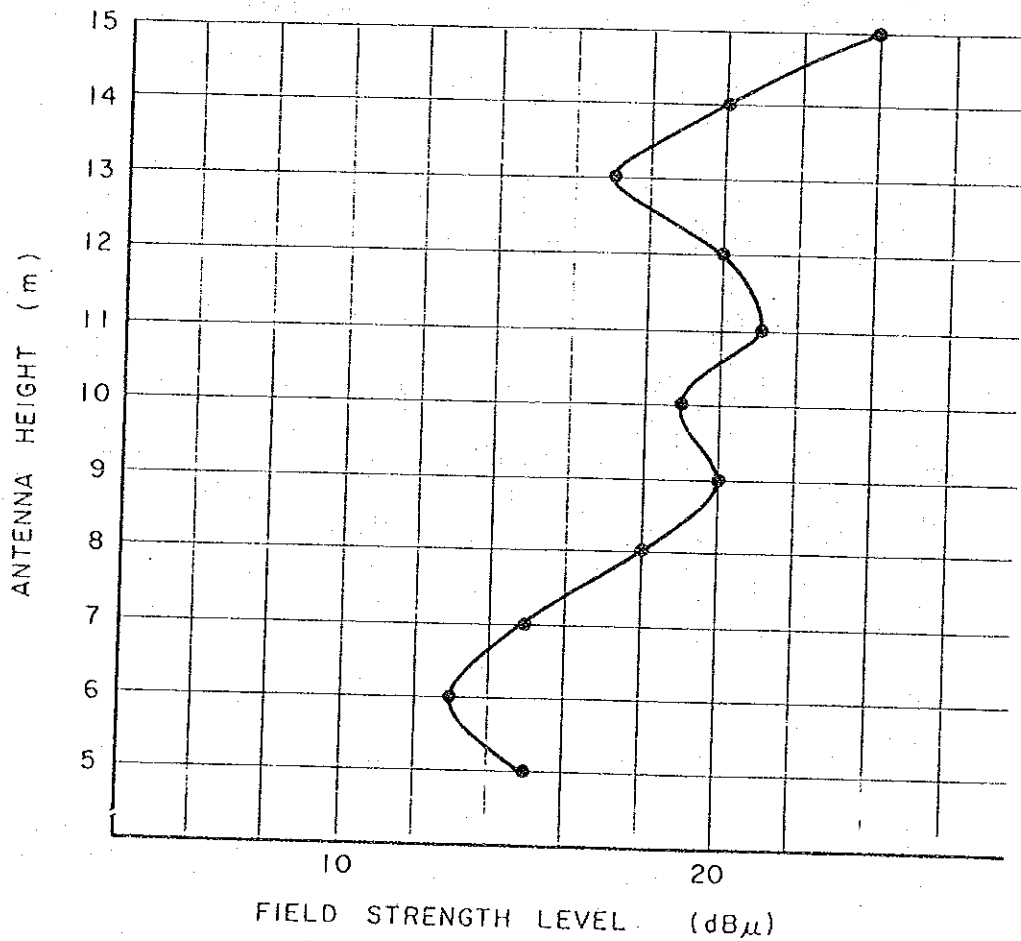


Fig.A.9 (28/36)

Antenna Height Pattern (JOMALIG Station)

Measured Station : TANAY
 Measured Date : 17 MAR. '84
 Weather Condition: FINE

1. Setting Terms

Item \ Station Name	JOMALIG	TANAY
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 22 W Pr: 0.1 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	260 °	80 °

2. Measured Result (JOMALIG Transmit → TANAY Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	21	16.5	12	8	9.5	10

(unit: dBμ)

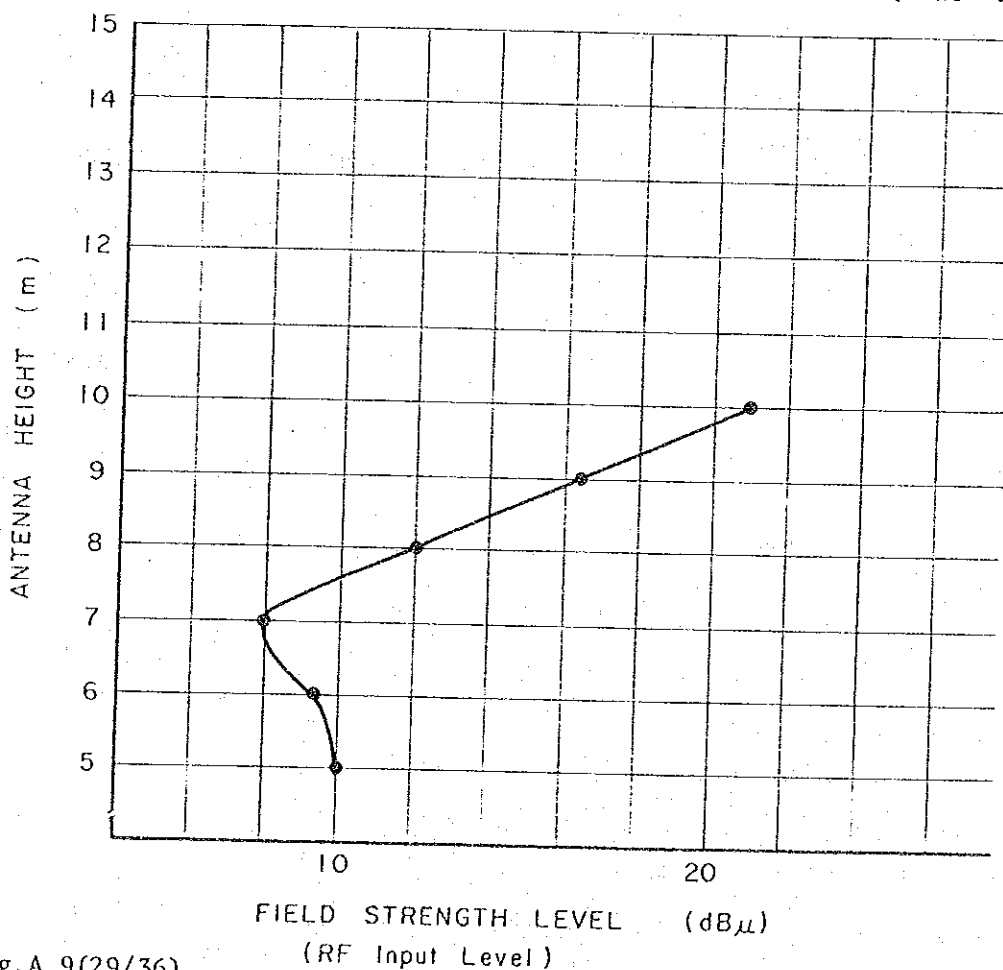


Fig.A.9(29/36)

Antenna Height Pattern (MASBATE Station)

Measured Station : MALABOG
 Measured Date : 2 MAR. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	MASBATE	MALABOG
Item		
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 25 W Pr: 0.1 W	Pf: - W Pr: - W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	5 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	002 °	182 °

2. Measured Result (MASBATE Transmit → MALABOG Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	25	24	24	23	23	23

(unit: dBμ)

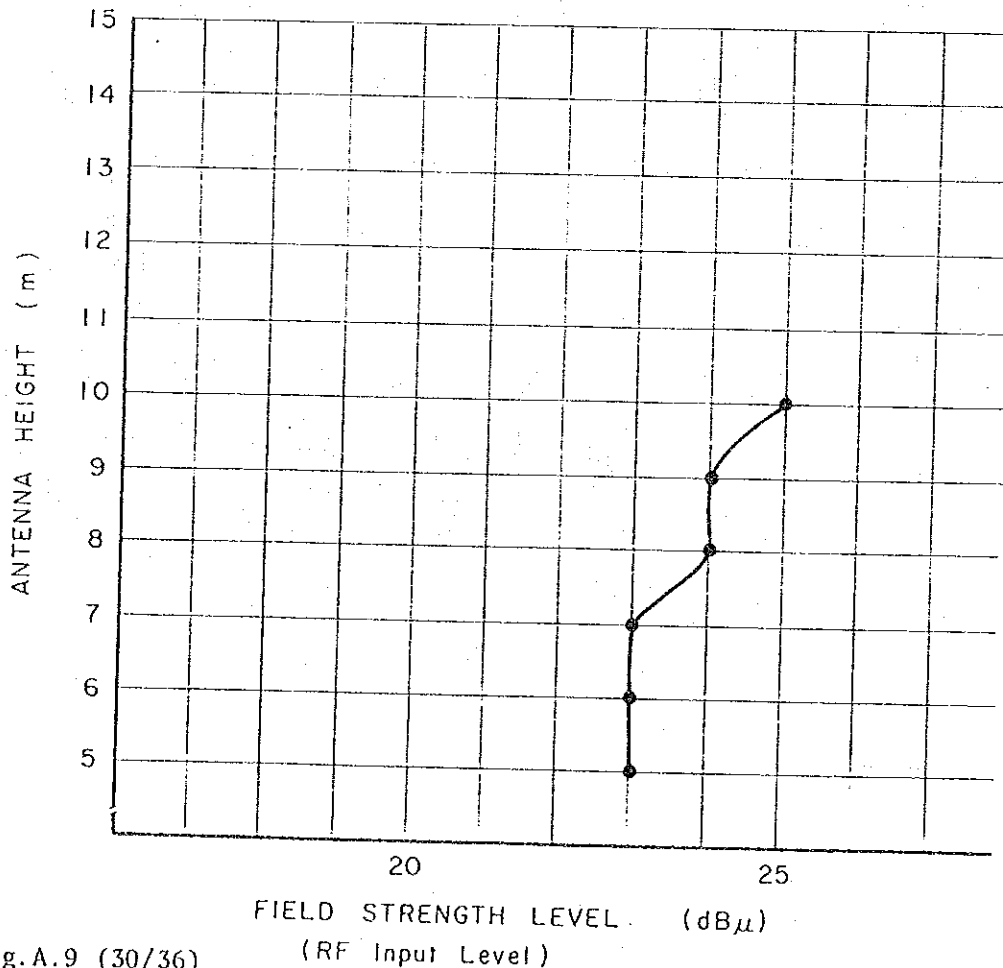


Fig.A.9 (30/36)

Antenna Height Pattern (MASBATE Station)

Measured Station : MASBATE
 Measured Date : 8 MAR. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	MASBATE	ROMBLON
Item		
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 25 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	7 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	279 °	099 °

2. Measured Result (ROMBLON Transmit → MASBATE Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	28	24	24	25	23	21

(unit: dBμ)

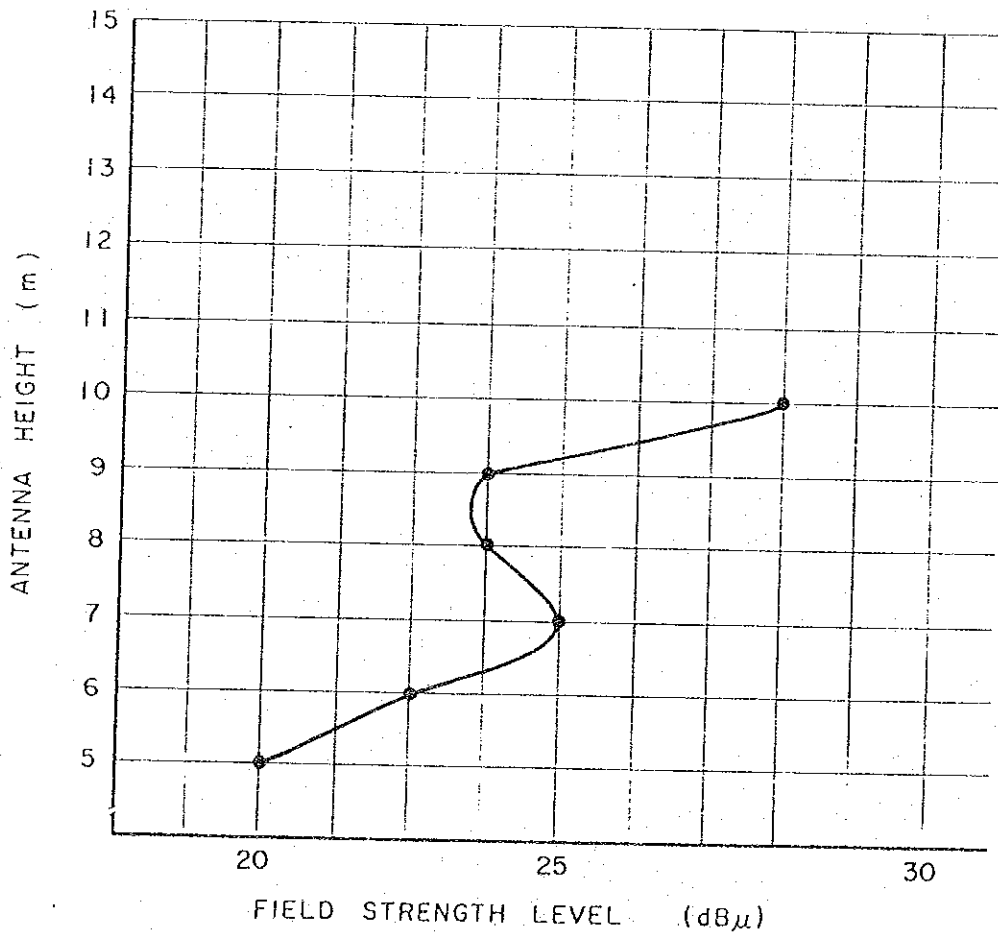


Fig.A.9 (31/36)

(RF Input Level)

Antenna Height Pattern (ROMBLON Station)

Measured Station : ROMBLON
 Measured Date : 8 MAR. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	ROMBLON	MASBATE
Item		
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 25 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	7 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	099 °	279 °

2. Measured Result (MASBATE Transmit → ROMBLON Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	-	-	-	25	22	28

(unit: dBμ)

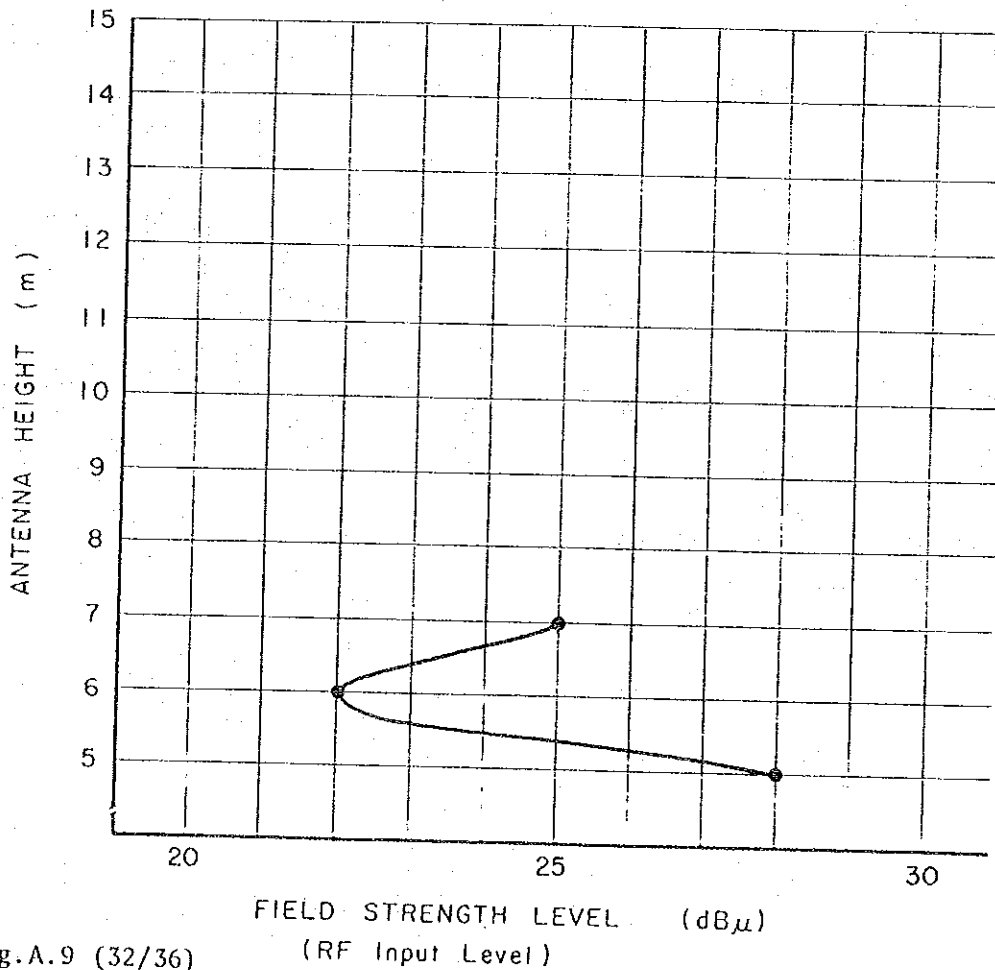


Fig.A.9 (32/36)

Antenna Height Pattern (SAN FRANCISCO Station)

Measured Station : SAN FRANCISCO
 Measured Date : 11 MAR. '84
 Weather Condition: RAIN

1. Setting Terms

Item	Station Name	SAN FRANCISCO	ROMBLON
Test Frequency		150.000 MHz	150.000 MHz
Transmitting Power		Pf: 26 W Pr: 0.1 W	Pf: 25 W Pr: 0.1 W
Used Antenna		5 ELE. YAGI	5 ELE. YAGI
Antenna Height		15 m	10 m
Used Feeder		8D-2v . 25m	8D-2v . 25m
Party Station True Bearings		196 °	016 °

2. Measured Result (ROMBLON Transmit → SAN FRANCISCO Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
57	59	58	58	57	53	54	56	58	58	55

(unit: dBμ)

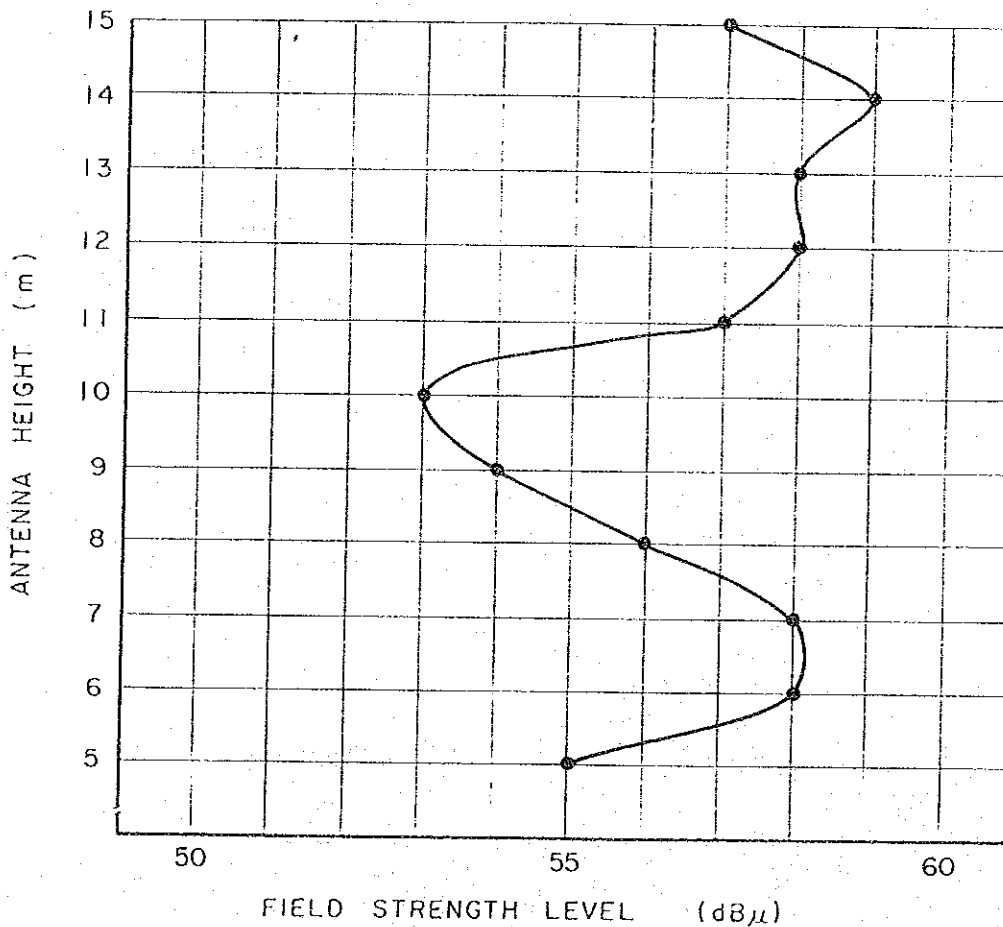


Fig.A.9 (33/36)

(RF Input Level)

Antenna Height Pattern (ROMBLON Station)

Measured Station : ROMBLON
 Measured Date : 11 MAR. '84
 Weather Condition: RAIN

1. Setting Terms

Item \ Station Name	ROMBLON	SAN FRANCISCO
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	016 °	196 °

2. Measured Result (SAN FRANCISCO Transmit → ROMBLON Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	50	50	50	50	48	48

(unit: dBμ)

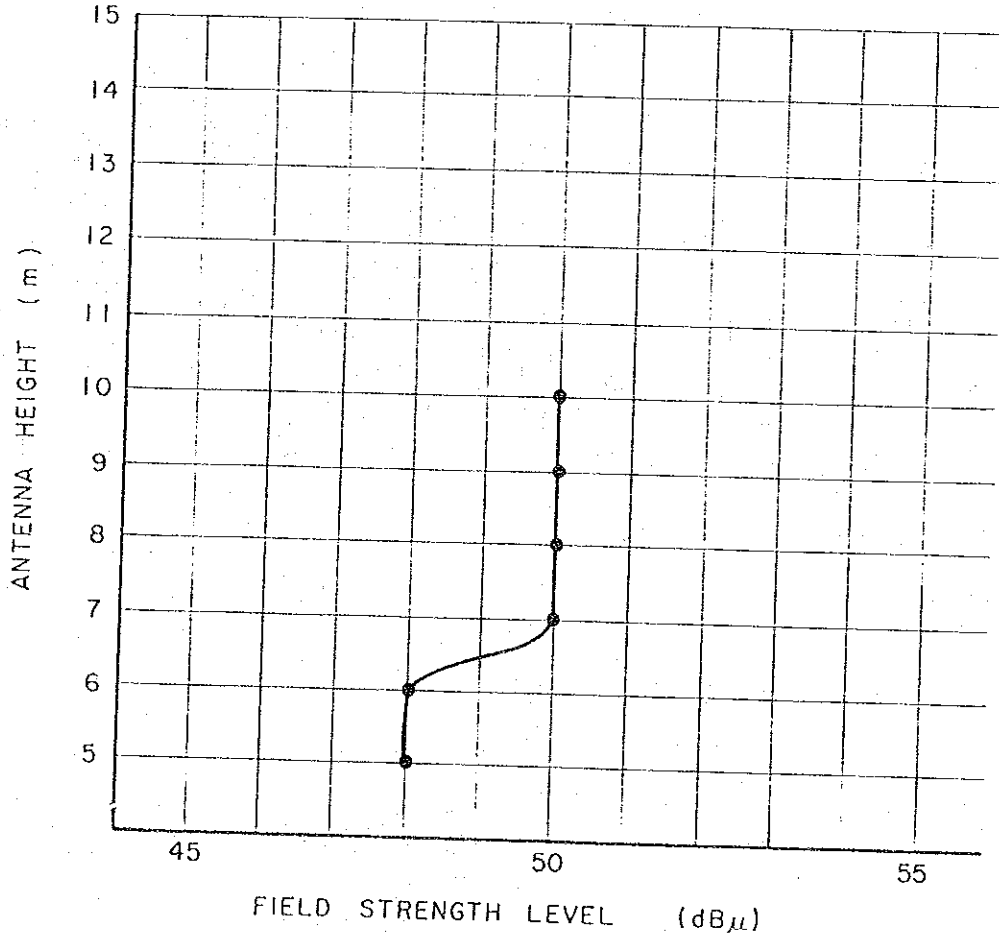


Fig.A.9 (34/36)

(RF Input Level)

Antenna Height Pattern (TACLOBAN Station)

Measured Station : TACLOBAN
 Measured Date : 21 MAR. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	TACLOBAN	GUIUAN RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 22 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	104 °	284 °

2. Measured Result (GUIUAN RADAR Transmit → TACLOBAN Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	27	25	24	23	22	21

(unit: dBμ)

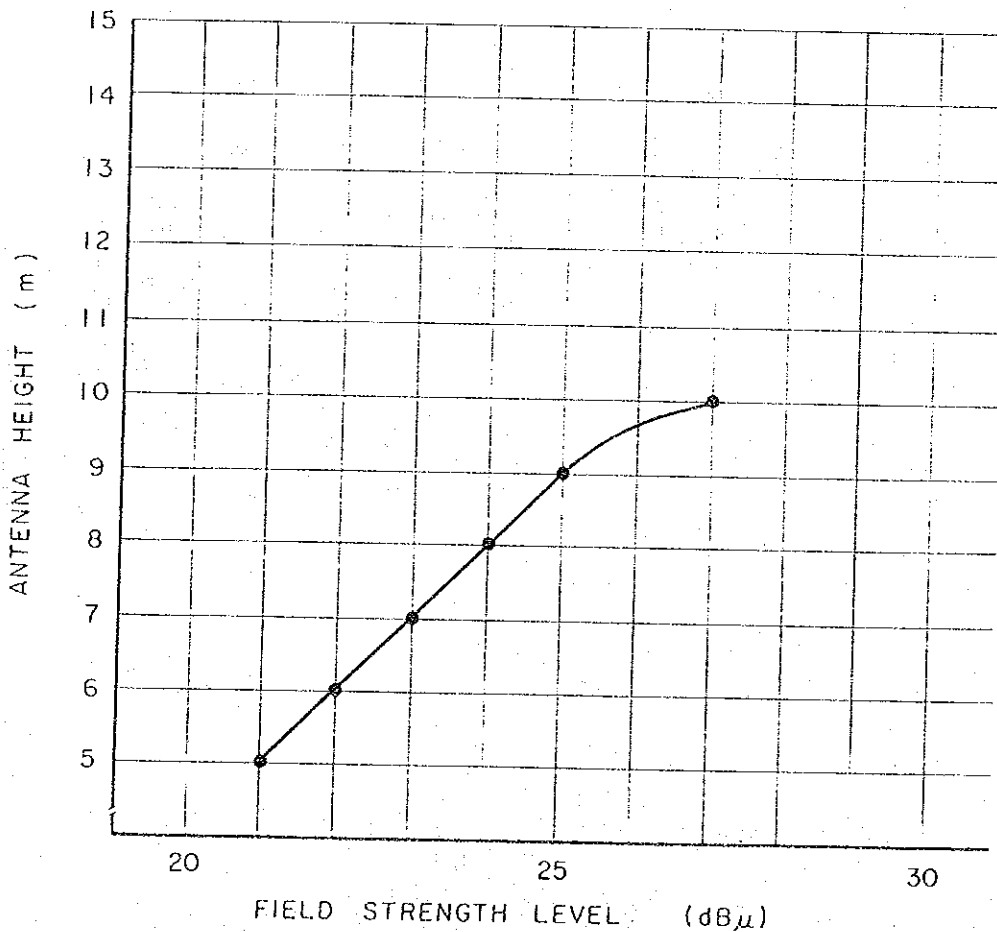


Fig. A.9 (35/36)

(RF Input Level)

Antenna Height Pattern (GUIUAN RADAR Station)

Measured Station : GUIUAN RADAR
 Measured Date : 21 MAR. '84
 Weather Condition: FINE

1. Setting Terms

Station Name	GUIUAN RADAR	TACLOBAN
Item		
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	PF: 22 W Pr: 0.1 W	PF: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	284 °	104 °

2. Measured Result (TACLOBAN Transmit → GUIUAN RADAR Receive)

15 _m	14 _m	13 _m	12 _m	11 _m	10 _m	9 _m	8 _m	7 _m	6 _m	5 _m
-	-	-	-	-	28	28	26	26	25	26

(unit: dBμ)

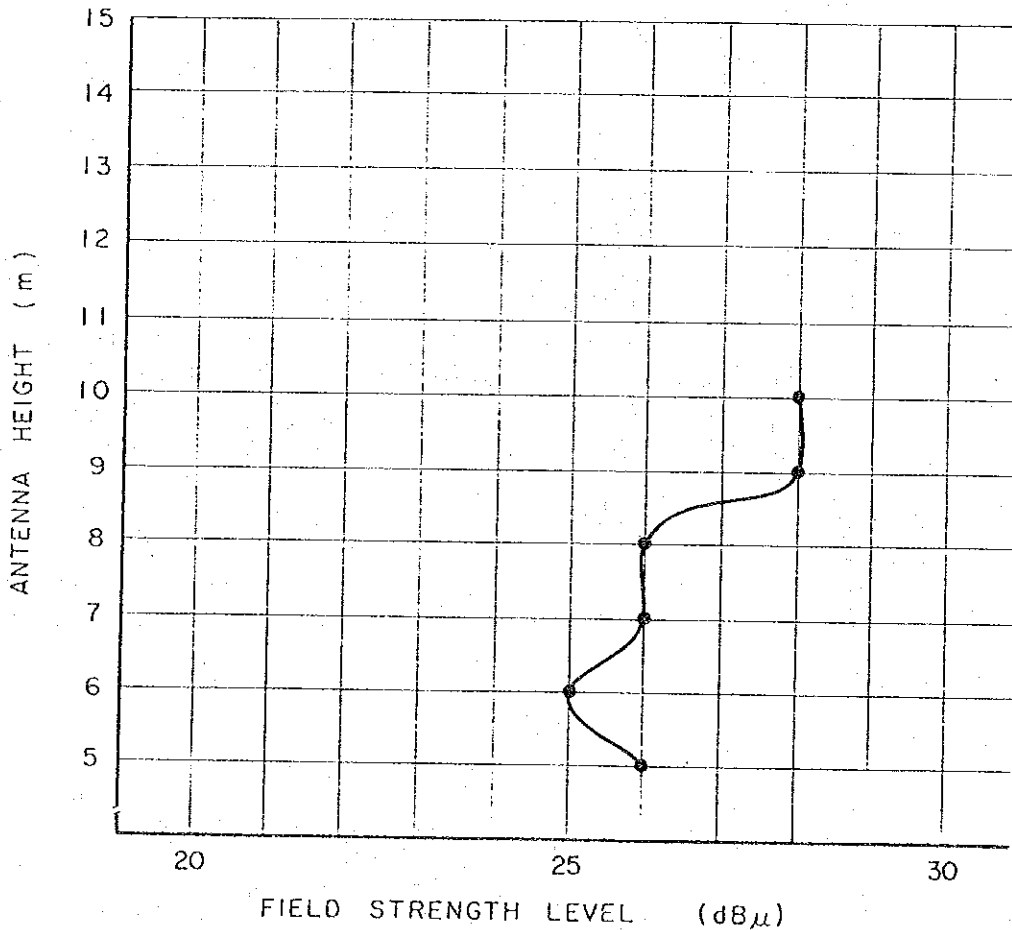


Fig.A.9 (36/36)

(RF Input Level)