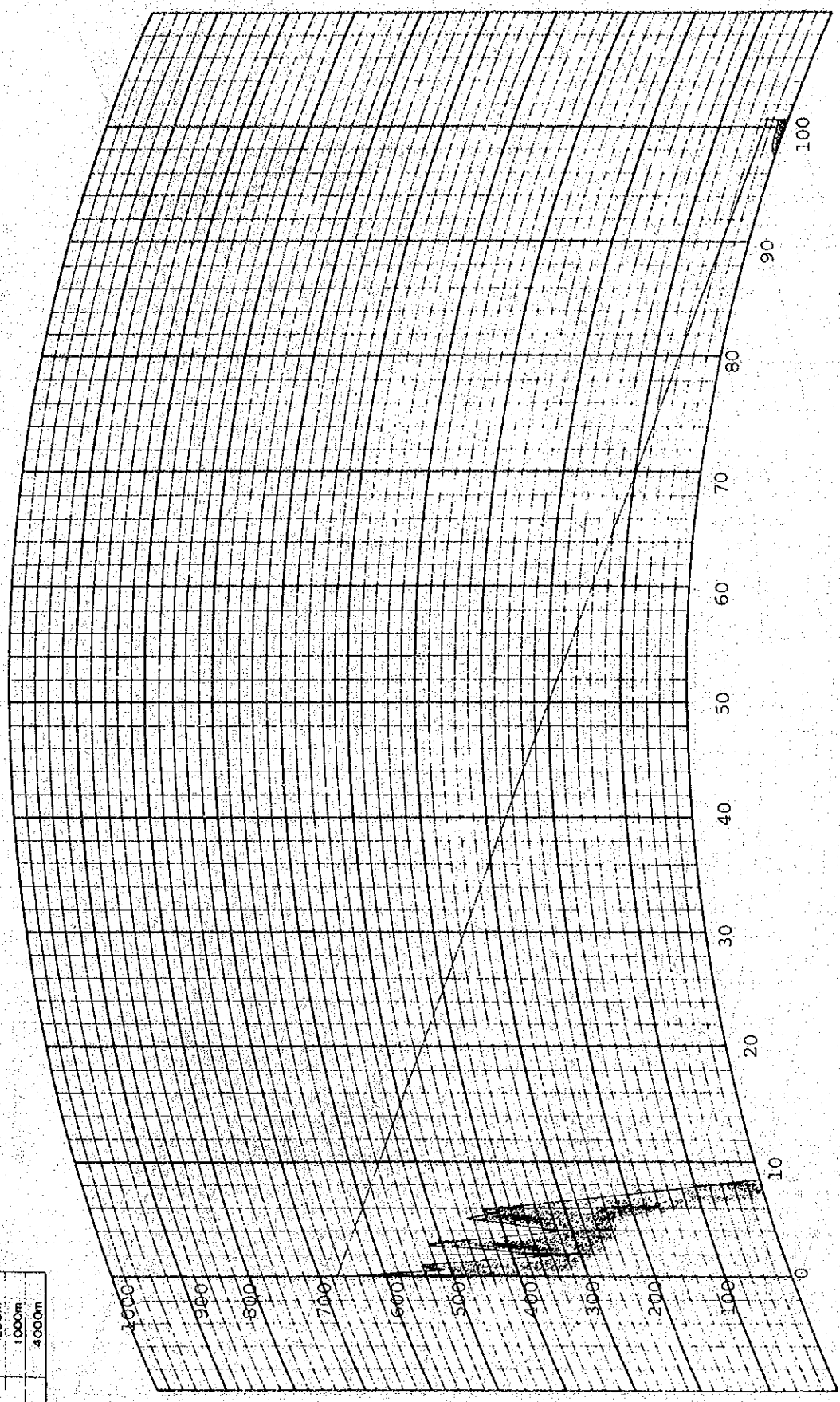


# PATH PROFILE (4/3 RADIUS)

**FULL SCALE**

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE Kalibo  
 GROUND ELEVATION 10 m  
 ANTENNA HEIGHT 20 m

DISTANCE 100.7 km

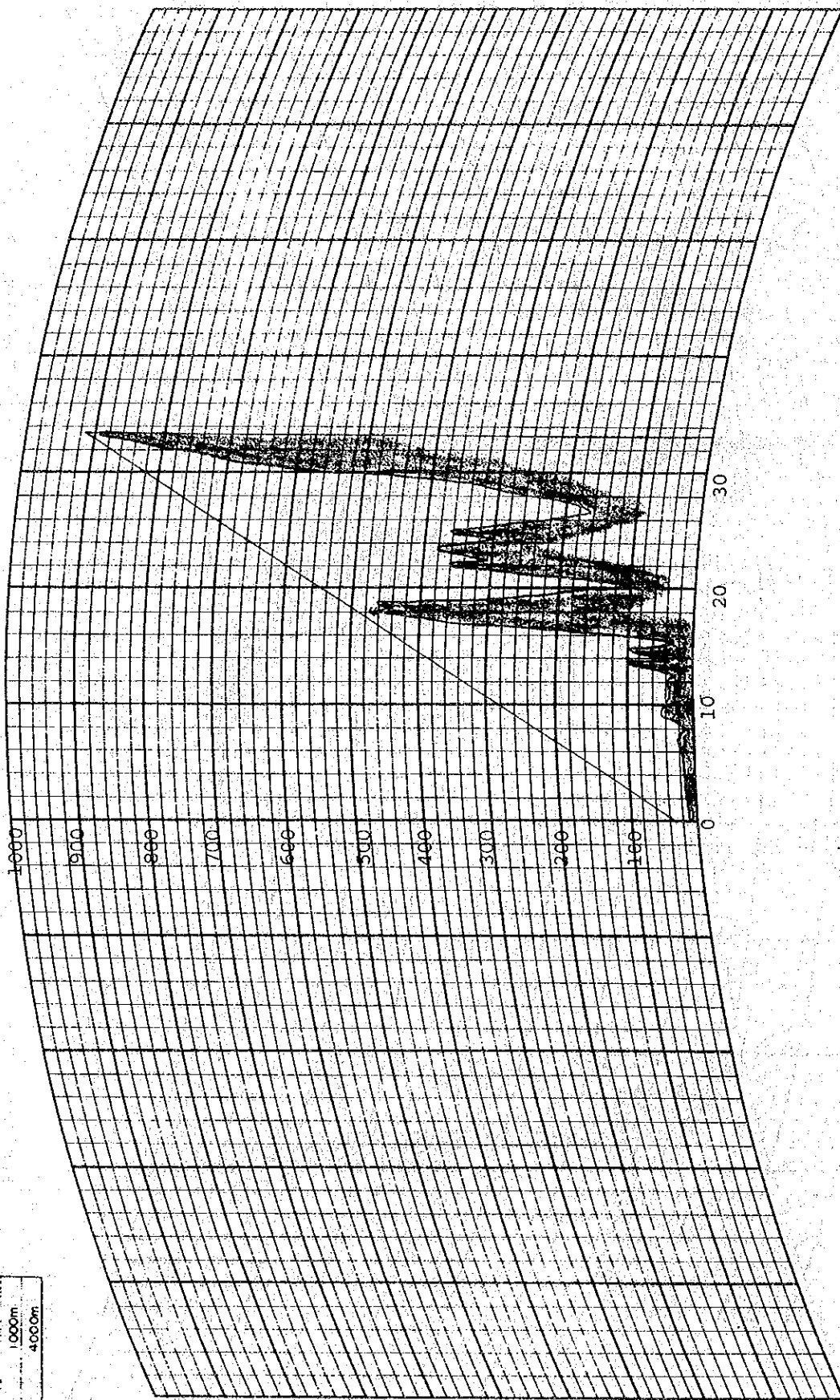
SITE Tablas R.S.  
 GROUND ELEVATION 640 m  
 ANTENNA HEIGHT 30 m

Fig. VII-2-2-2 (9/17)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Knob Peak R.S.  
 GROUND ELEVATION: 890 m  
 ANTENNA HEIGHT: 20 m

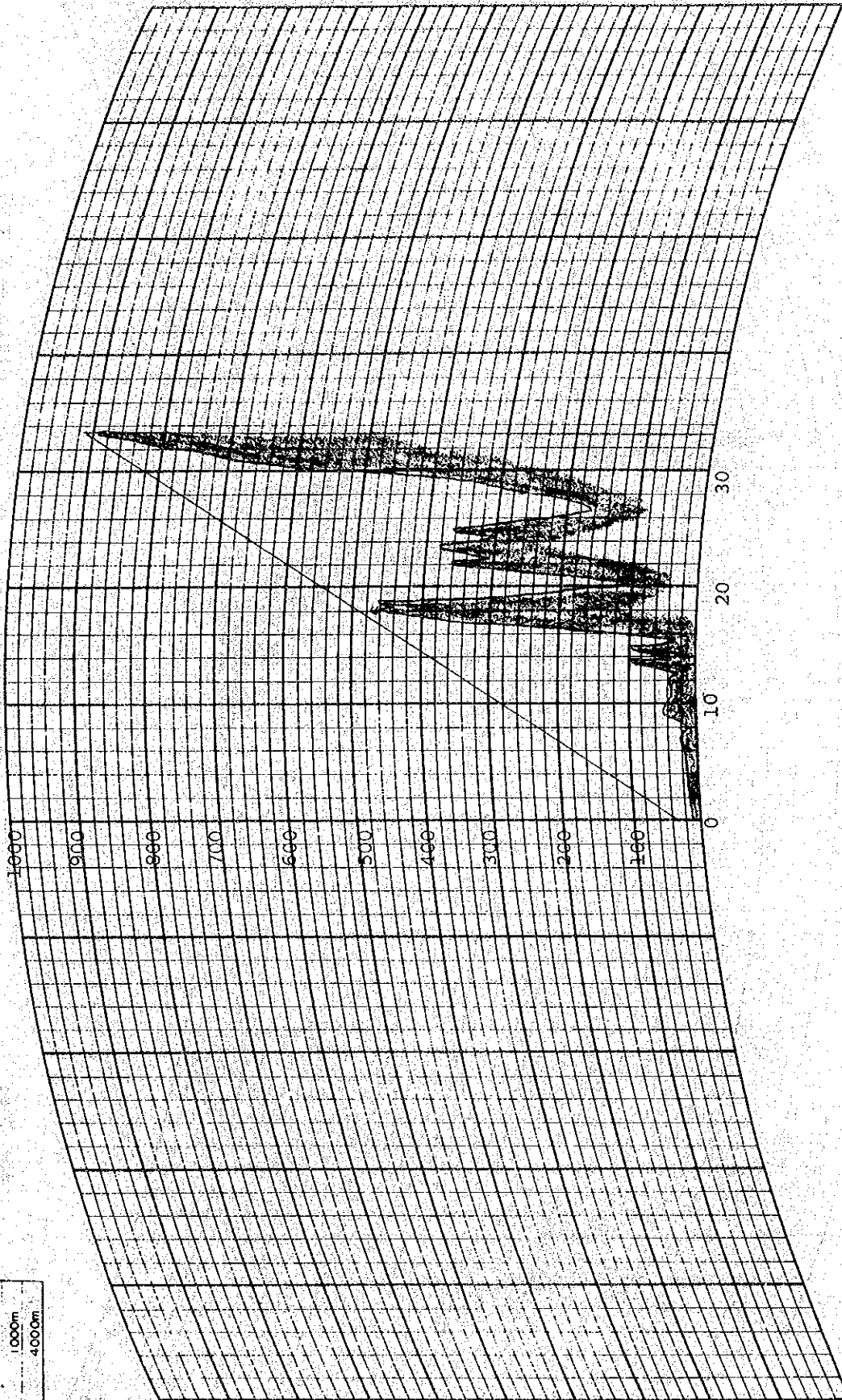
DISTANCE: 33.4 km

SITE: San Jose  
 GROUND ELEVATION: 10 m  
 ANTENNA HEIGHT: 20 m

Fig. VII-2-2-2(10/17)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
50km	250m
120km	1000m
240km	4000m



SITE: Knob Peak R.S.  
 GROUND ELEVATION: 890 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 33.4 km

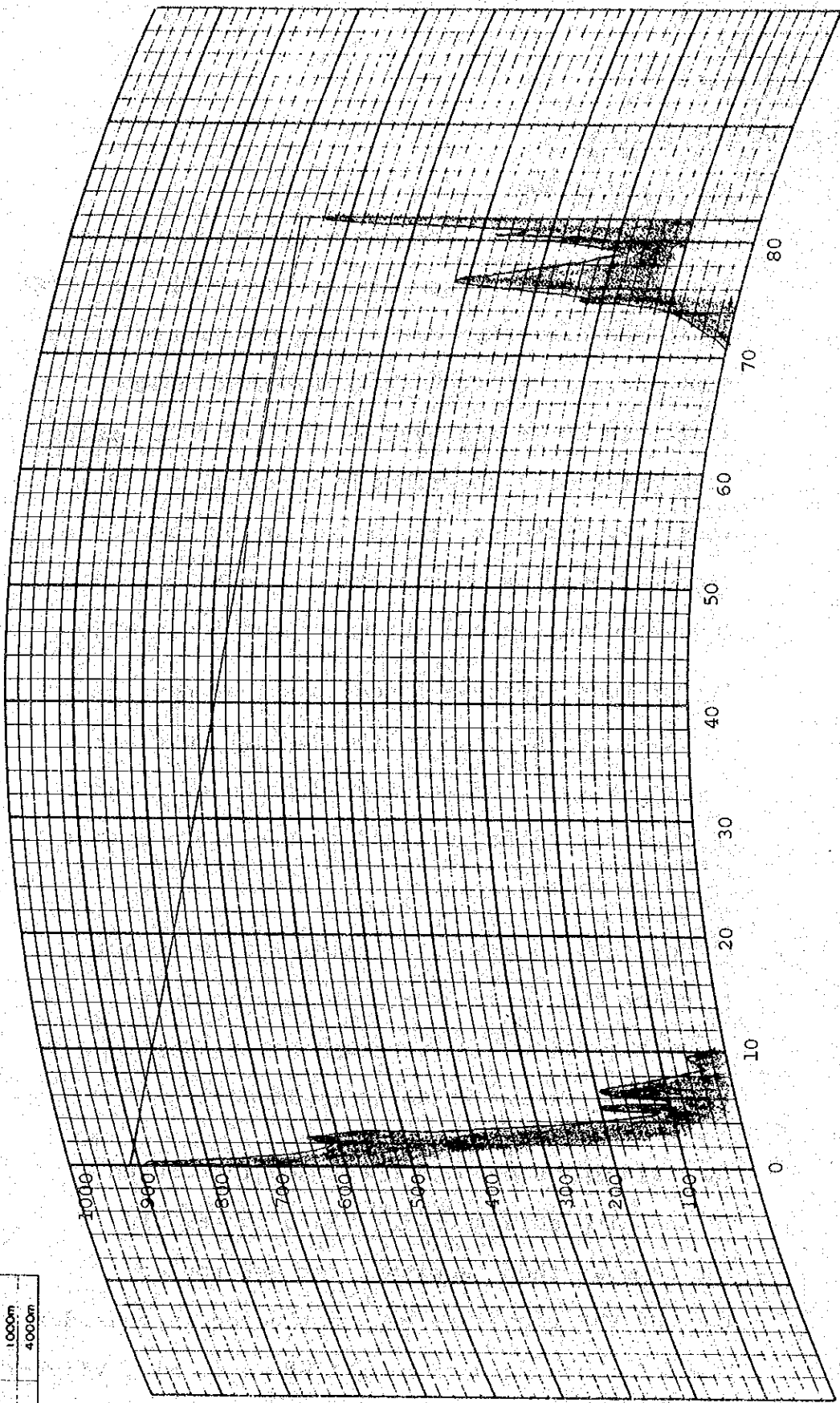
SITE: San Jose  
 GROUND ELEVATION: 10 m  
 ANTENNA HEIGHT: 20 m

Fig.VII-2-2-2(10/17)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE Knob Peak R.S.  
 GROUND ELEVATION 890 m  
 ANTENNA HEIGHT 20 m

SITE Tablas R.S.  
 GROUND ELEVATION 640 m  
 ANTENNA HEIGHT 30 m

DISTANCE 82.0 km

Fig. VII-2-2-2 (11/17)

## 2-2-2 UHF/VHF Routes

### (1) Route selection

Two different means may be considered for the transmission line between PC and LE (or IPTS): Radio and cable systems. When the transmission distance is less than about 10km, a cable system is to be employed as per the route selection principles described in paragraph VII-2-1, item (2). However, in the following cases, proper transmission systems are to be selected depending on the conditions of the individual cases.

- 1) For such short-haul sections that have a river or the like on the way but have no bridge to cross it, the adoption of a cable system is difficult and thus a radio system is to be employed.
- 2) For such long-haul sections that will not allow the setup of a proper radio route because of their topographical conditions, a cable system is to be employed.

The principles of path clearance introduced in the site selection for radio routes are the same as those employed for SHF routes.

The UHF/VHF routes to be constructed in consideration of these conditions are shown in Fig. VII-2-2-3.

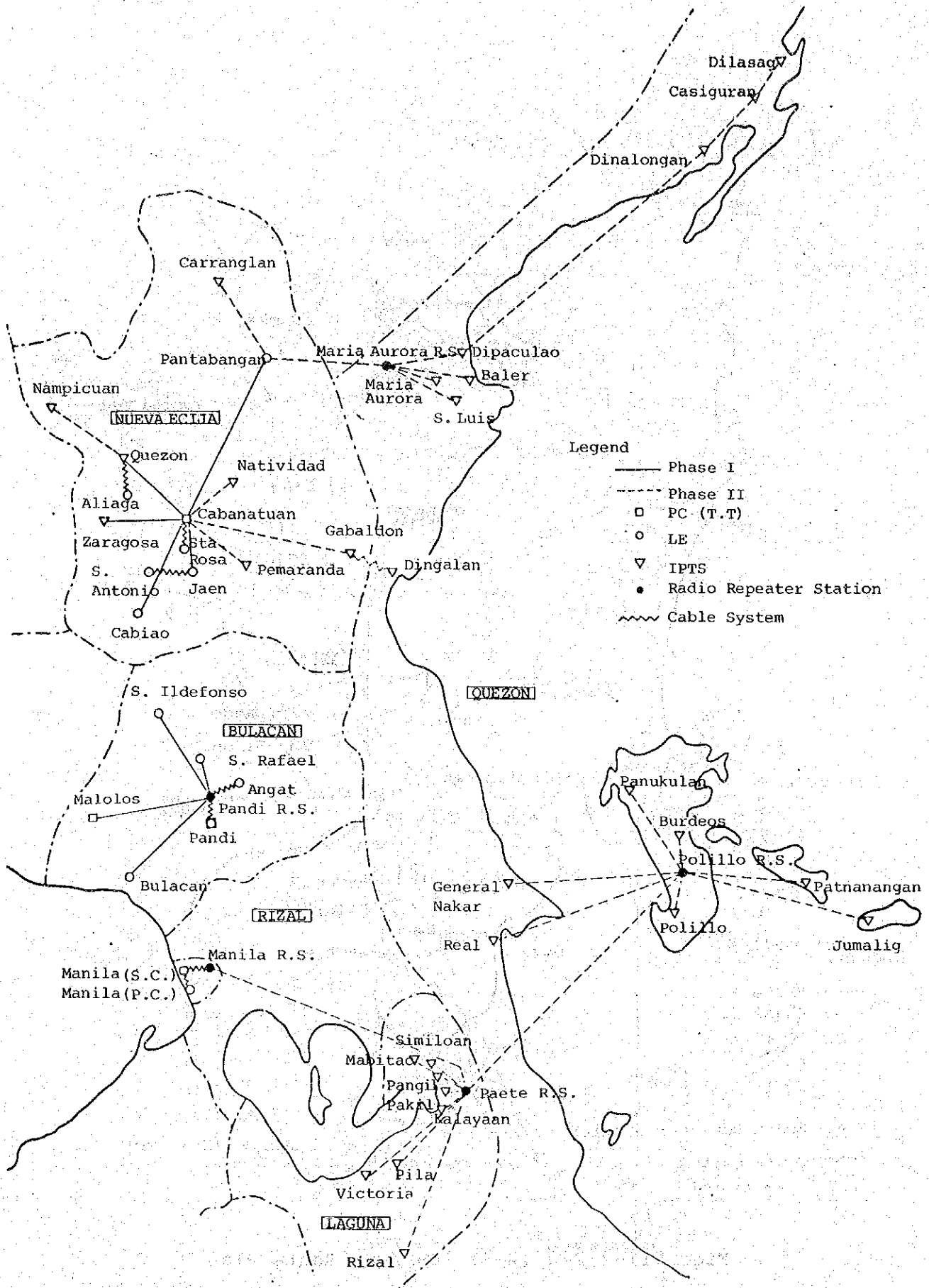


Fig. VII-2-2-3 (1/5) UHF/VHF Route Plan

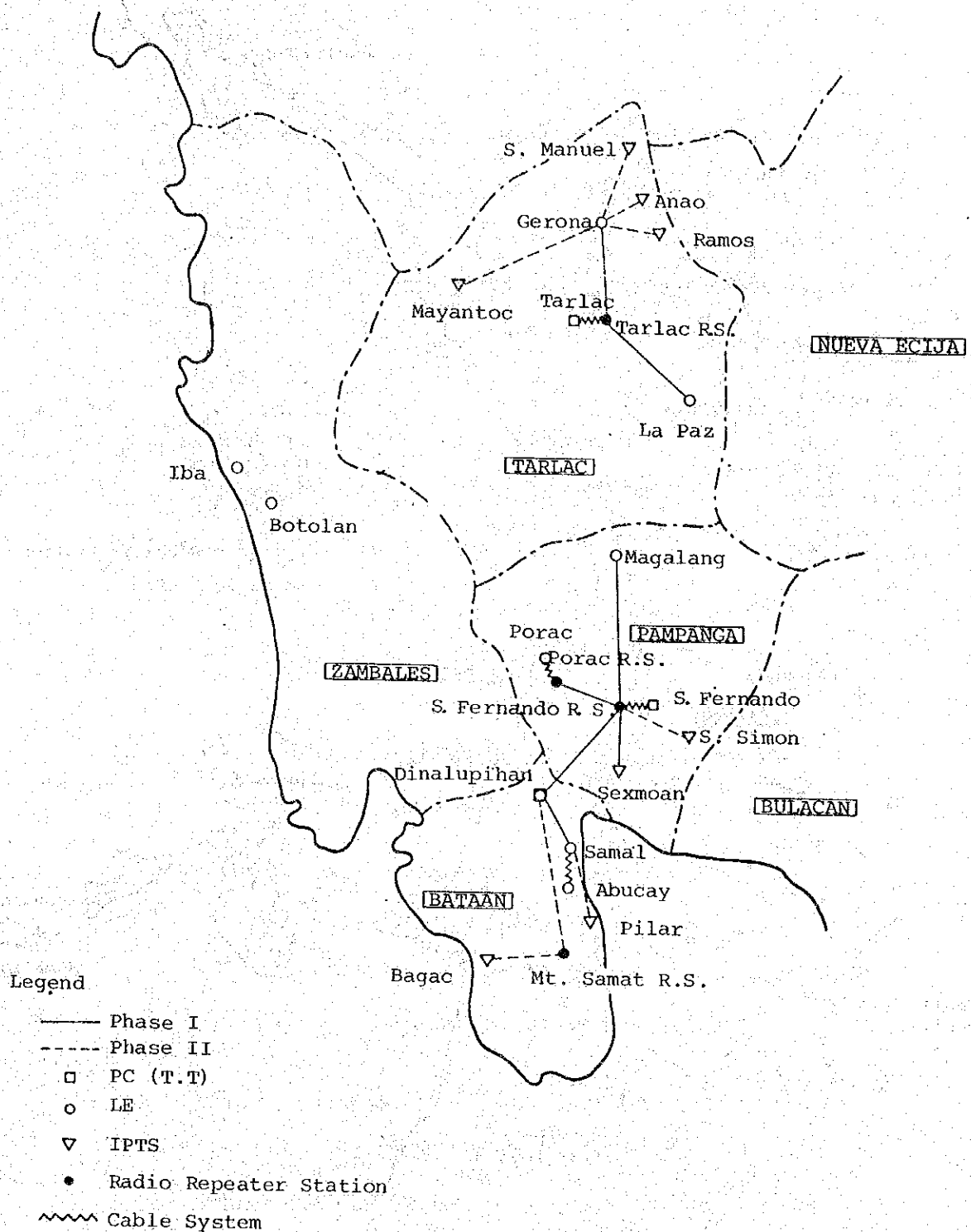


Fig. VII-2-2-3 (2/5) UHF/VHF Route Plan

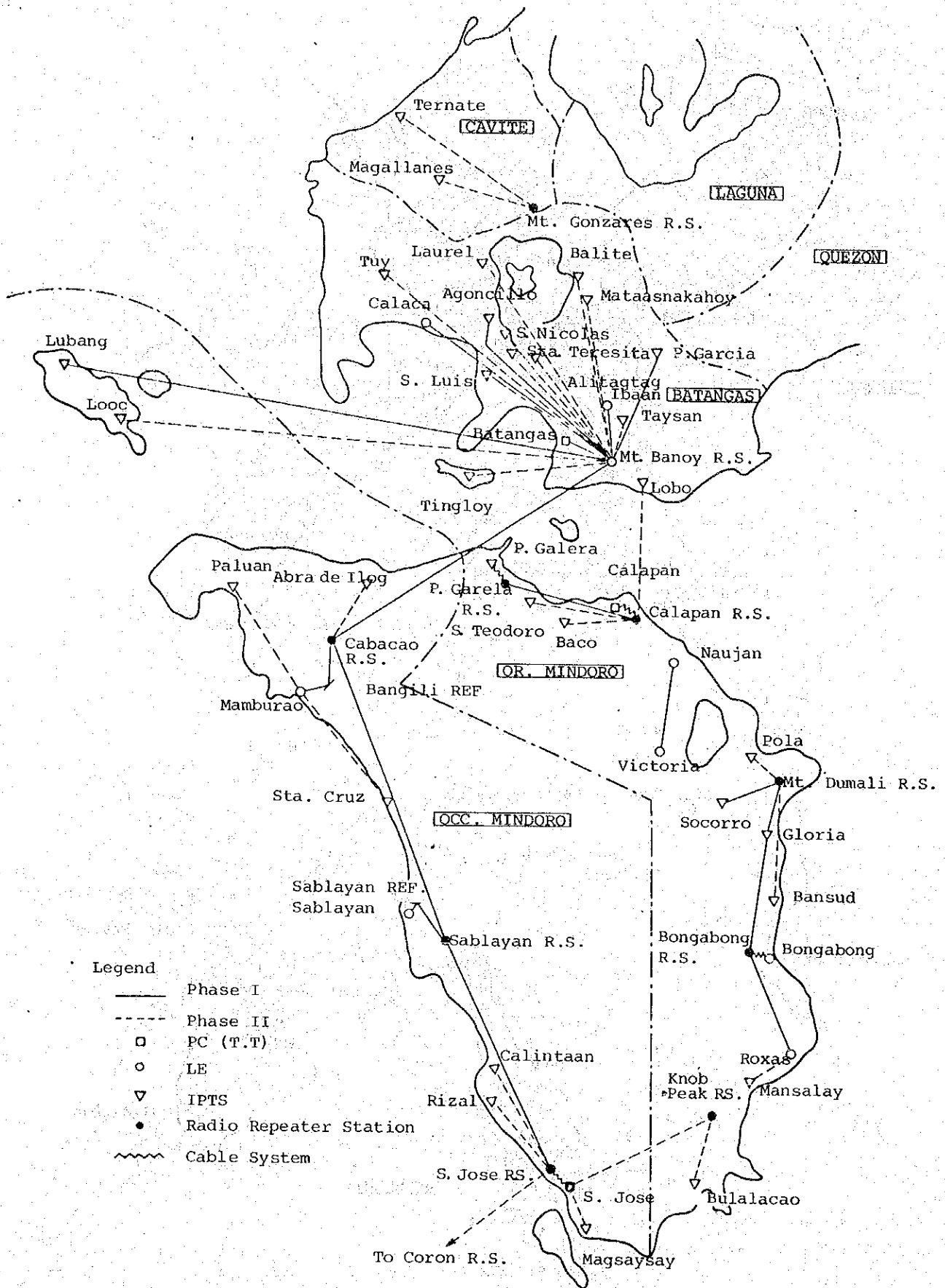


Fig. VII-2-2-3 (3/5) UHF/VHF Route Plan



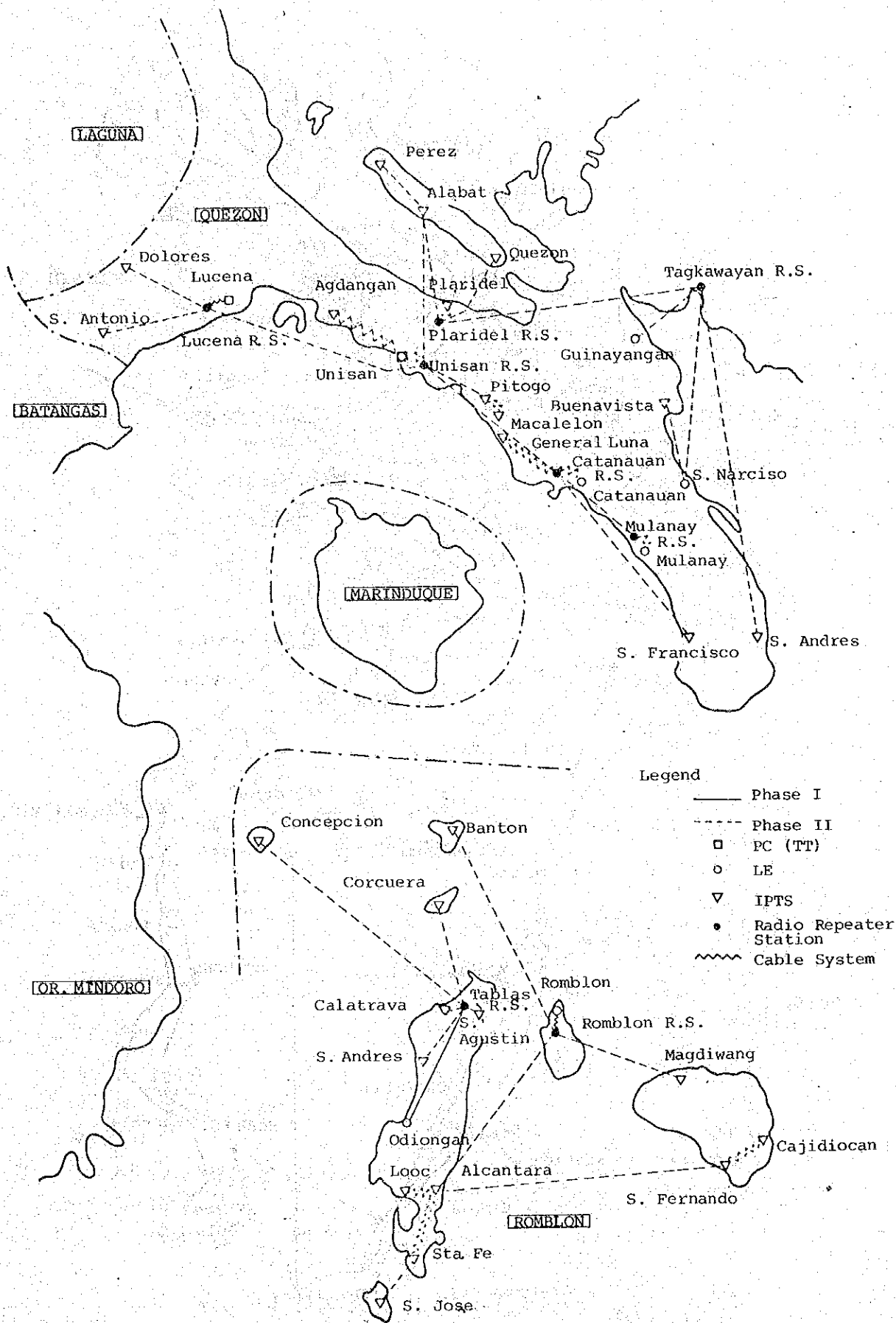


Fig. VII-2-2-3 (4/5) UHF/VHF Route Plan

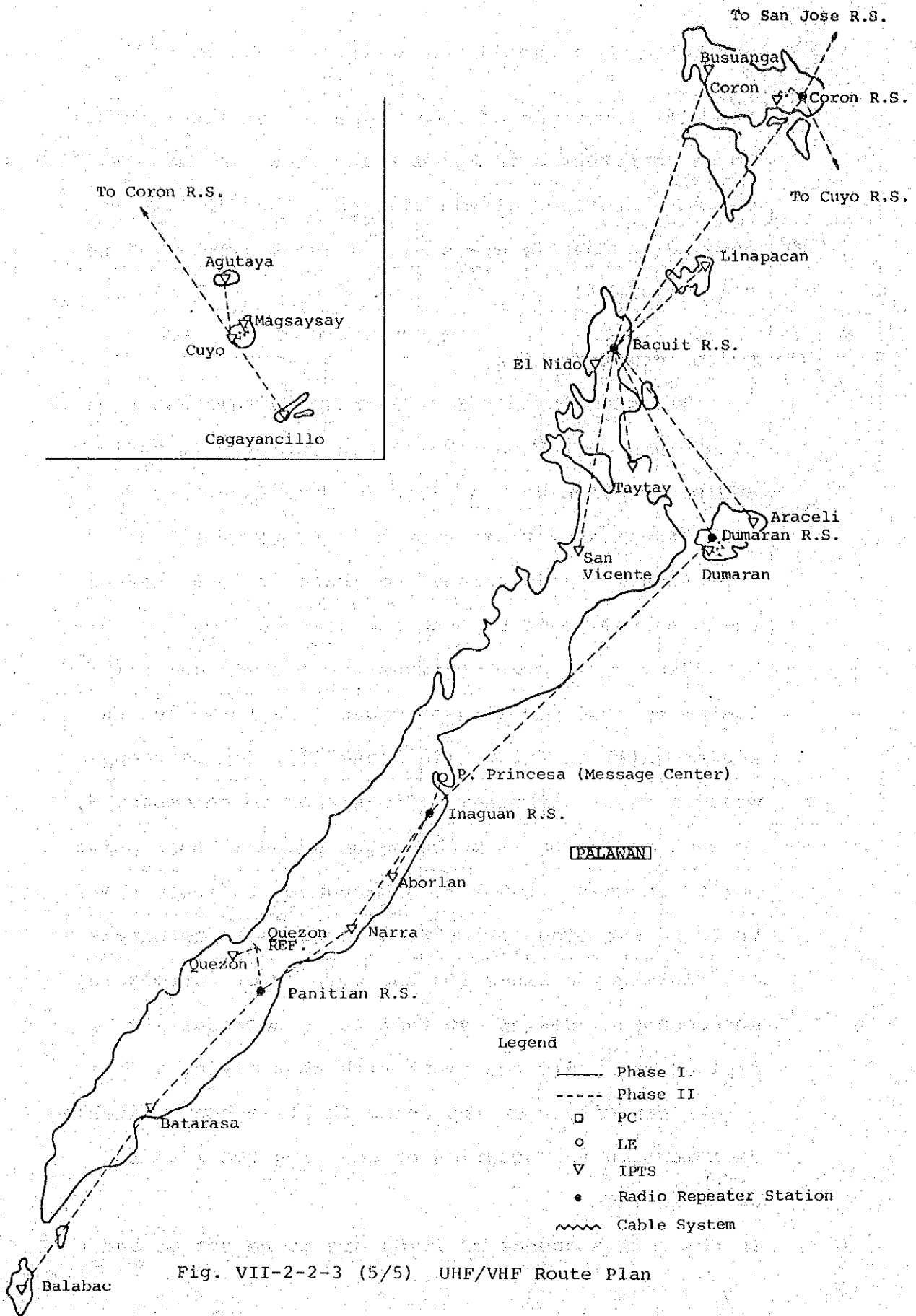


Fig. VII-2-2-3 (5/5) UHF/VHF Route Plan

The site locations of radio repeater stations, etc., to be constructed in Phase I are shown in Table VII-2-2-3. The path profiles of the individual sections to be covered in Phase I are shown in Table VII-2-2-4 and Fig. VII-2-2-4.

(2) System configuration

The adoption of UHF/VHF radio systems has been determined on the basis of the principles in radio equipment planning described in paragraph II-7-2. Each 240-channel radio system is to be provided with a protection radio channel and each 60- ~ 6-channel radio system is to form an set stand-by system. Accordingly, in some sections where a 240-channel system is employed a radio channel is to be set up additionally in future (in Phase II). In sections where a 60- ~ 6-channel radio system to be employed, no such expansion is to be required until the design period reaches. However, a 6-channel radio system is to be employed for IPTSs to become the terminals of transmission lines for the purpose of introducing an economical design, so that it is necessary to replace the radio equipment with that having a larger capacity upon replacing the telephone switching equipment on the occasion of changing the IPTS to an LE in future.

In Phase II a number of IPTSs are to be set up and

Table VII-2-2-3 (1/2) Locations of UHF/VHF Radio  
Repeater Stations (Phase I)

Repeater Station	Longitude (E)	Latitude (N)	Elevation (m)	Tower Height (m)	Map No.
1 Pantabangan	121°08'26"	15°48'28"	340	30	3267 IV
2 Quezon	120°48'51"	15°33'06"	25	20	3166 I
3 Zaragosa	120°47'25"	15°27'03"	20	30	3166 II
4 Cabiao	120°51'29"	15°15'49"	10	30	3165 I
5 Jaen	120°54'36"	15°20'26"	20	20	3166 II
6 Tarlac R.S.	120°35'13"	15°28'48"	50	30	3166 II
7 Gerona	120°35'52"	15°36'16"	25	20	3166 IV
8 La Paz	120°43'43"	15°26'34"	18	20	3166 III
9 San Ildefonso	120°56'25"	15°04'51"	10	20	3165 II
10 San Rafael	120°57'42"	14°57'30"	15	20	3164 I
11 Bulacan	120°52'46"	14°47'41"	2	20	3164 II
12 San Fernando R.S.	120°41'10"	15°01'32"	3	40	3165 III
13 Magalang	120°39'35"	15°12'58"	38	30	3165 IV
14 Porac R.S.	120°32'42"	15°04'01"	80	20	3165 III
15 Sexmoan	120°37'16"	14°56'14"	0	20	3164 IV
16 Dinalupihan	120°27'13"	14°52'03"	5	50	3064 I

Table VII-2-2-3 (2/2) Locations of UHF/VHF Radio

## Repeater Stations (Phase I)

Repeater Station		Longitude (E)	Latitude (N)	Elevation (m)	Tower Height(m)	Map No.
17	Samal	120°32'17"	14°46'07"	5	40	3164 III
18	Padre Garcia	121°12'43"	13°52'47"	170	20	3261 IV
19	Ibaan	121°07'42"	13°49'12"	115	20	3261 III
20	Agoncillo	120°55'39"	13°56'10"	55	20	3161 I
21	Calaca	120°48'42"	13°56'03"	18	20	3161 I
22	Lubang	120°07'21"	13°51'36"	3	20	3061 IV
23	Cabacao R.S.	120°37'04"	13°20'34"	280	30	3160 III
24	Bangili REF.	120°39'10"	13°17'28"	132	5	3159 IV
25	Mamburao	120°35'30"	13°13'39"	5	20	3159 IV
26	Sablayan R.S.	120°51'48"	12°47'21"	316	30	3158 II
27	Sablayan REF.	120°47'38"	12°51'36"	70	5	3158 I
28	Sablayan	120°46'32"	12°50'40"	3	30	3158 I
29	San Jose R.S.	121°01'52"	12°22'47"	2	30	3257 III
30	Puerto Galera R.S.	120°57'00"	13°30'10"	30	20	3160 I
31	Naujan	121°18'07"	13°19'28"	5	30	3259 I
32	Socorro	121°24'17"	13°03'16"	15	20	3259 II
33	Gloria	121°28'27"	12°58'24"	7	30	3258 I
34	Bongabong R.S.	121°27'56"	12°47'07"	40	30	3258 II
35	Roxas	121°30'56"	12°35'07"	3	40	3357 IV
36	San Agustin	122°07'53"	12°34'07"	2	20	3457 IV
37	Odiongan	121°58'52"	12°24'04"	2	20	3457 III

Table VII-2-2-4 (1/2) Profile List of UHF/VHF Spans  
(Phase I)

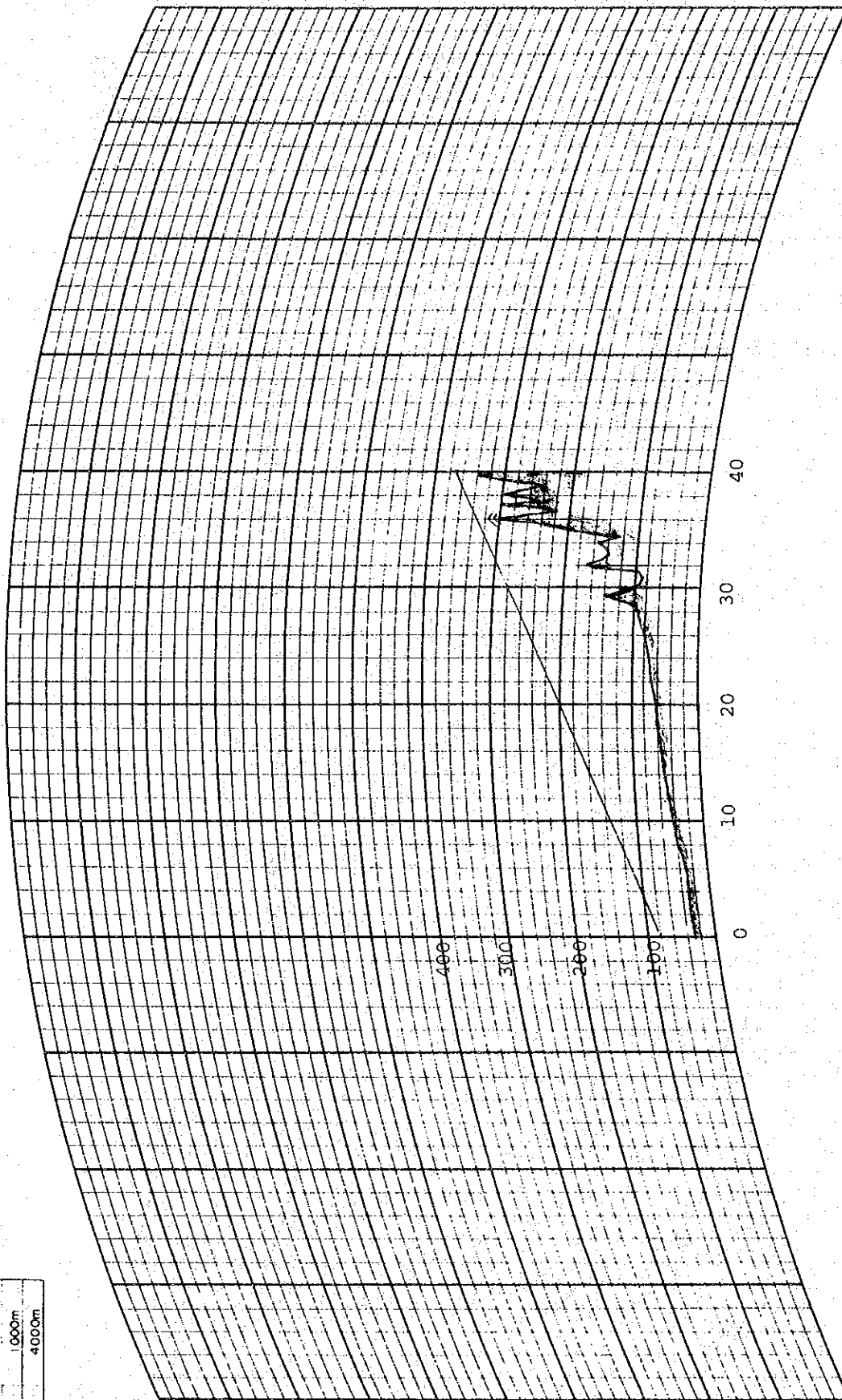
UHF/VHF Span	Relevant Figure
Cabanatuan - Pantabangan	Fig. VII-2-2-4 (1/33)
Cabanatuan - Quezon	do. (2/33)
Cabanatuan - Zaragosa	do. (3/33)
Cabanatuan - Cabiao	do. (4/33)
Cabanatuan - Jaen	do. (5/33)
Tarlac R.S. - Gerona	do. (6/33)
Tarlac R.S. - La Paz	do. (7/33)
Pandi R.S. - San Ildefonso	do. (8/33)
Pandi R.S. - San Rafael	do. (9/33)
Pandi R.S. - Bulacan	do. (10/33)
San Fernando R.S. - Magalang	do. (11/33)
San Fernando R.S. - Porac R.S.	do. (12/33)
San Fernando R.S. - Sexmoan	do. (13/33)
San Fernando R.S. - Dinalupihan	do. (14/33)
Dinalupihan - Samal	do. (15/33)
Mt. Banoy R.S. - Padre Garcia	do. (16/33)
Mt. Banoy R.S. - Ibaan	do. (17/33)
Mt. Banoy R.S. - Agoncillo	do. (18/33)
Mt. Banoy R.S. - Calaca	do. (19/33)
Mt. Banoy R.S. - Lubang	do. (20/33)
Mt. Banoy R.S. - Cabacao R.S.	do. (21/33)

Table VII-2-2-4 (2/2) Profile List of UHF/VHF Spans  
(Phase I)

UHF/VHF Span	Relevant Figure
Cabacao R.S. - Bangili REF. - Mamburao	Fig. VII-2-2-4 (22/33)
Cabacao R.S. - Sablayan R.S.	do. (23/33)
Sablayan R.S. - Sablayan REF. - Sablayan	do. (24/33)
Sablayan R.S. - San Jose R.S.	do. (25/33)
Calapan R.S. - Puerto Galera R.S.	do. (26/33)
Victoria - Naujan	do. (27/33)
Mt. Dumali R.S. - Socorro	do. (28/33)
Mt. Dumali R.S. - Gloria	do. (29/33)
Gloria - Bongabong R.S.	do. (30/33)
Bongabong R.S. - Roxas	do. (31/33)
Tablas R.S. - San Agustin	do. (32/33)
Tablas R.S. - Odiongan	do. (33/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Pantabangan  
 GROUND ELEVATION: 340 m  
 ANTENNA HEIGHT: 30 m

DISTANCE: 39.7 km

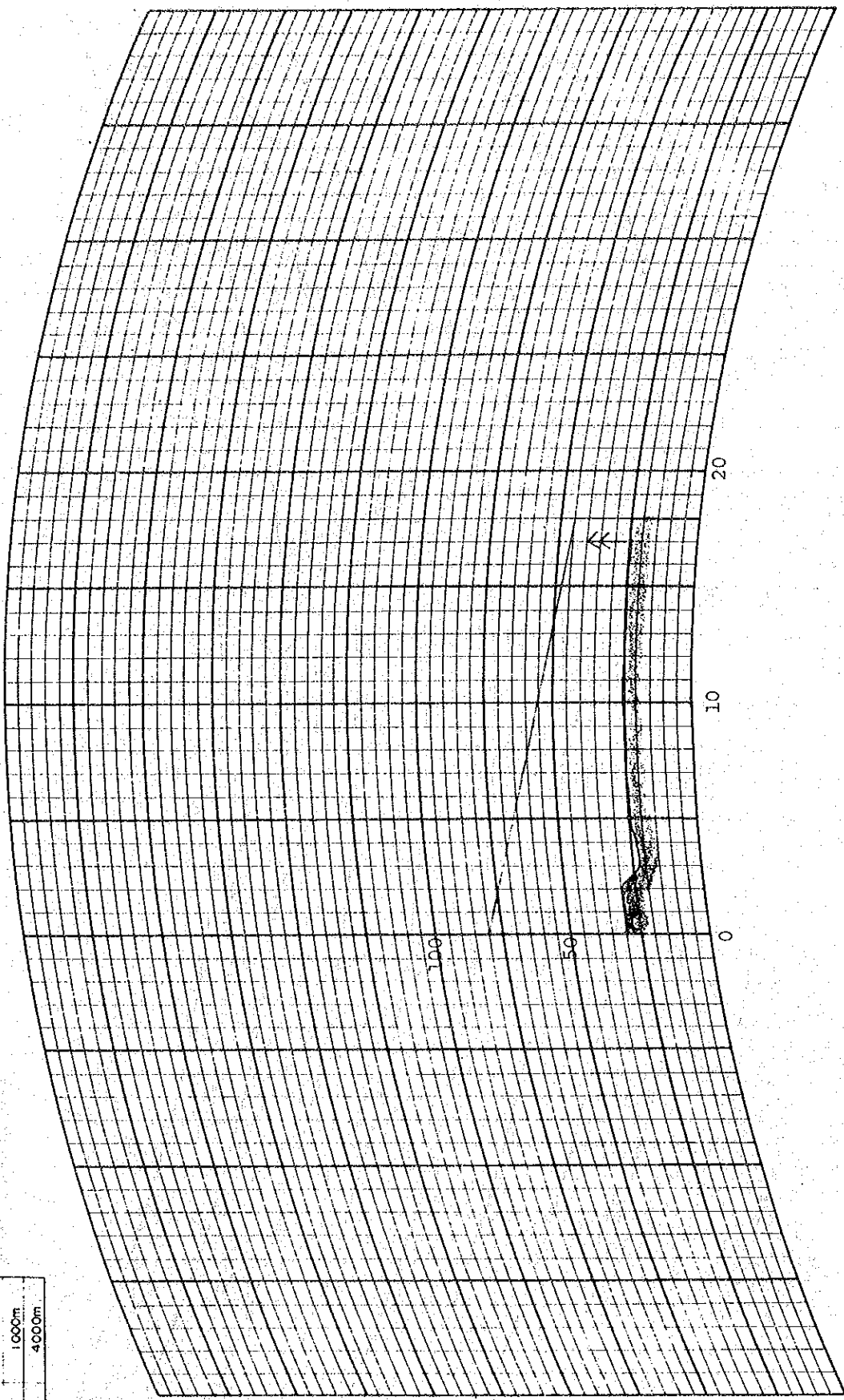
SITE: Cabanatuan  
 GROUND ELEVATION: 30 m  
 ANTENNA HEIGHT: 50 m

Fig. VII-2-2-4 (1/33)



# PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Quezon  
 GROUND ELEVATION: 25 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 17.9 km

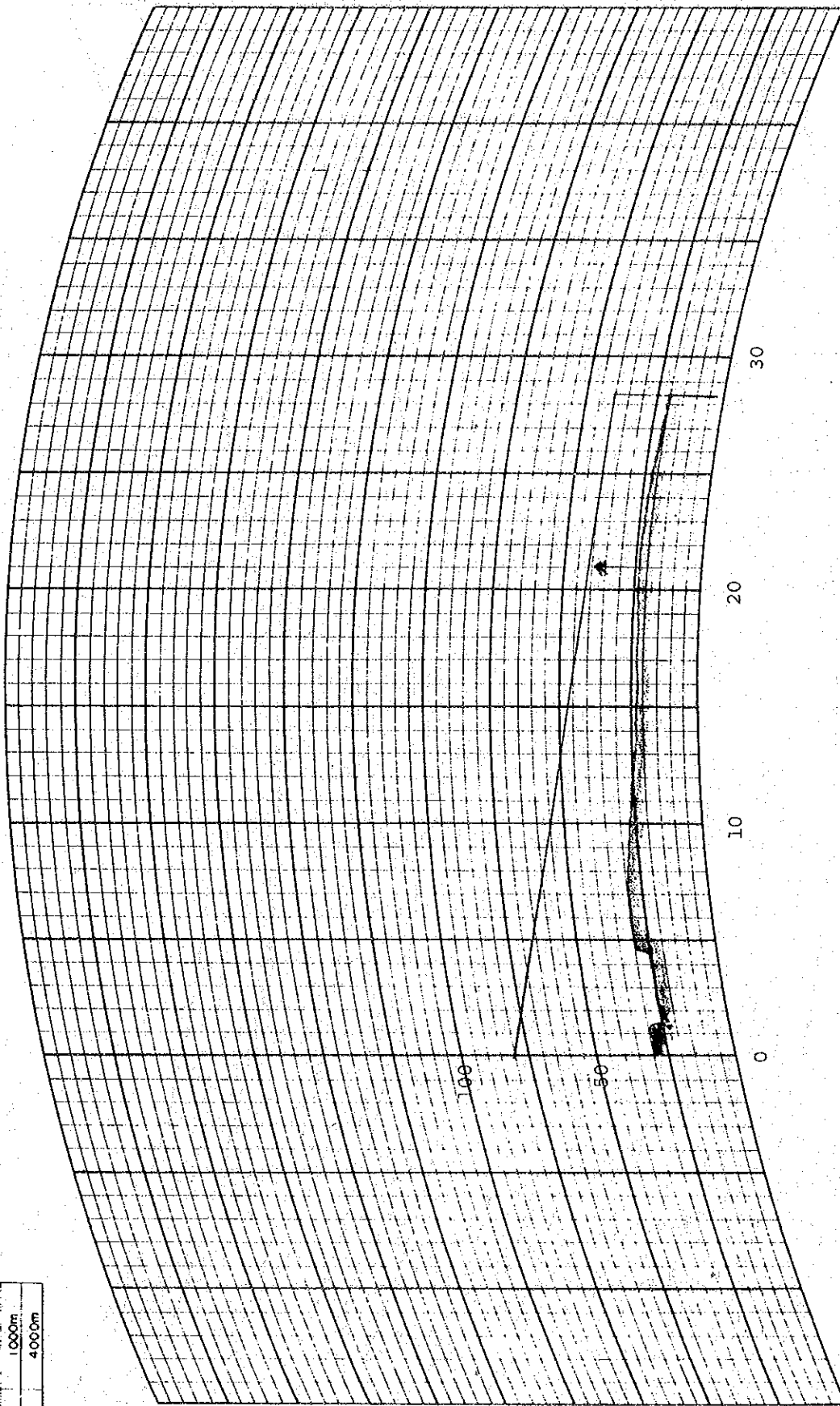
SITE: Cabanatuan  
 GROUND ELEVATION: 30 m  
 ANTENNA HEIGHT: 50 m

Fig. VII-2-2-4 (2/33)

# PATH PROFILE ( 4/3 RADIUS )

**FULL SCALE**

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE Zaragosa  
 GROUND ELEVATION: 20 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 28.4 km

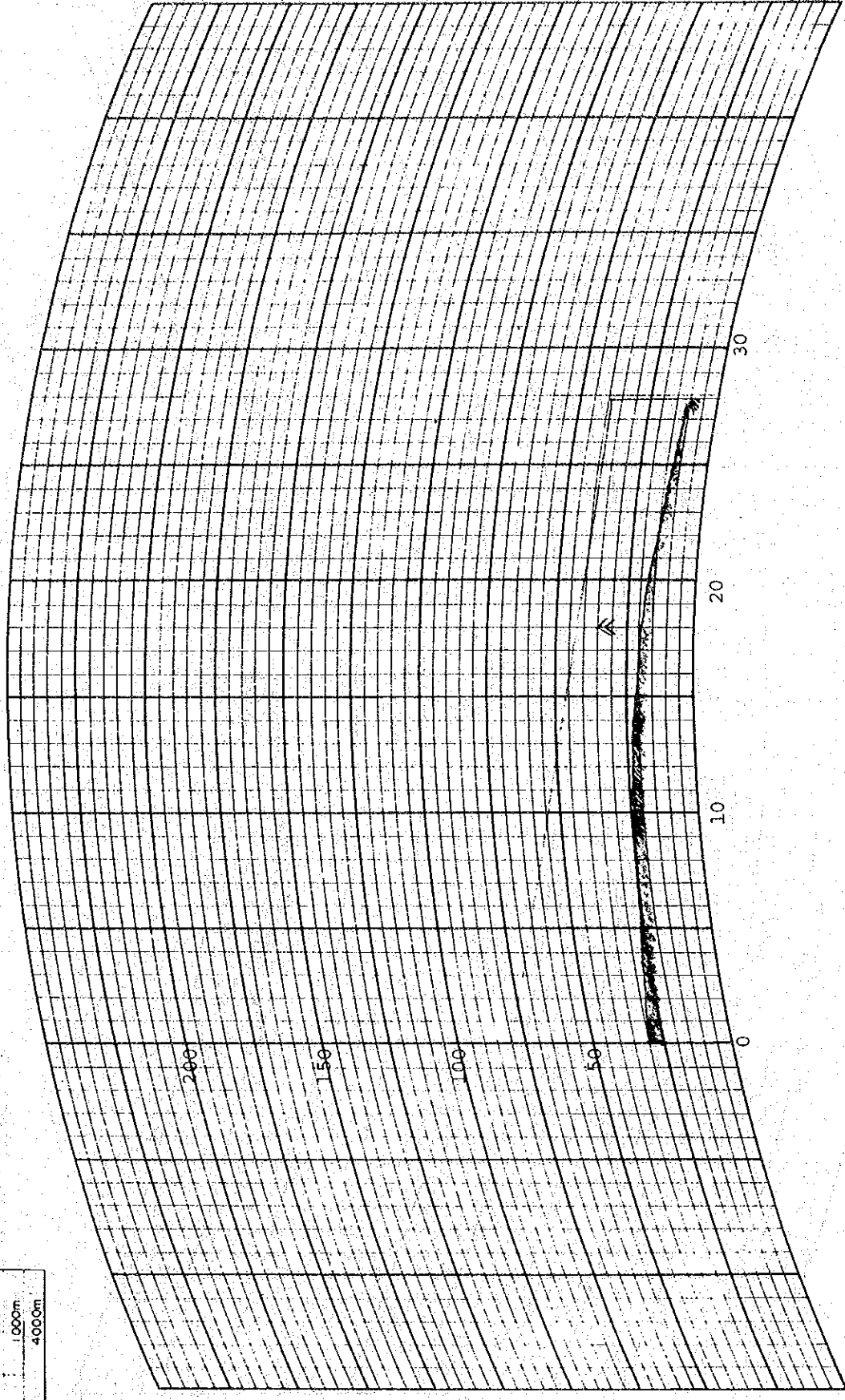
SITE Cabanatuan  
 GROUND ELEVATION: 30 m  
 ANTENNA HEIGHT: 50 m

Fig. VII-2-2-4 (3/33)

# PATH PROFILE (4/3 RADIUS)

FULL SCALE

DISTANCE	HEIGHT
0	250m
60km	1000m
120km	4000m
240km	



SITE: Cabbiao  
 GROUND ELEVATION: 10 m  
 ANTENNA HEIGHT: 30 m

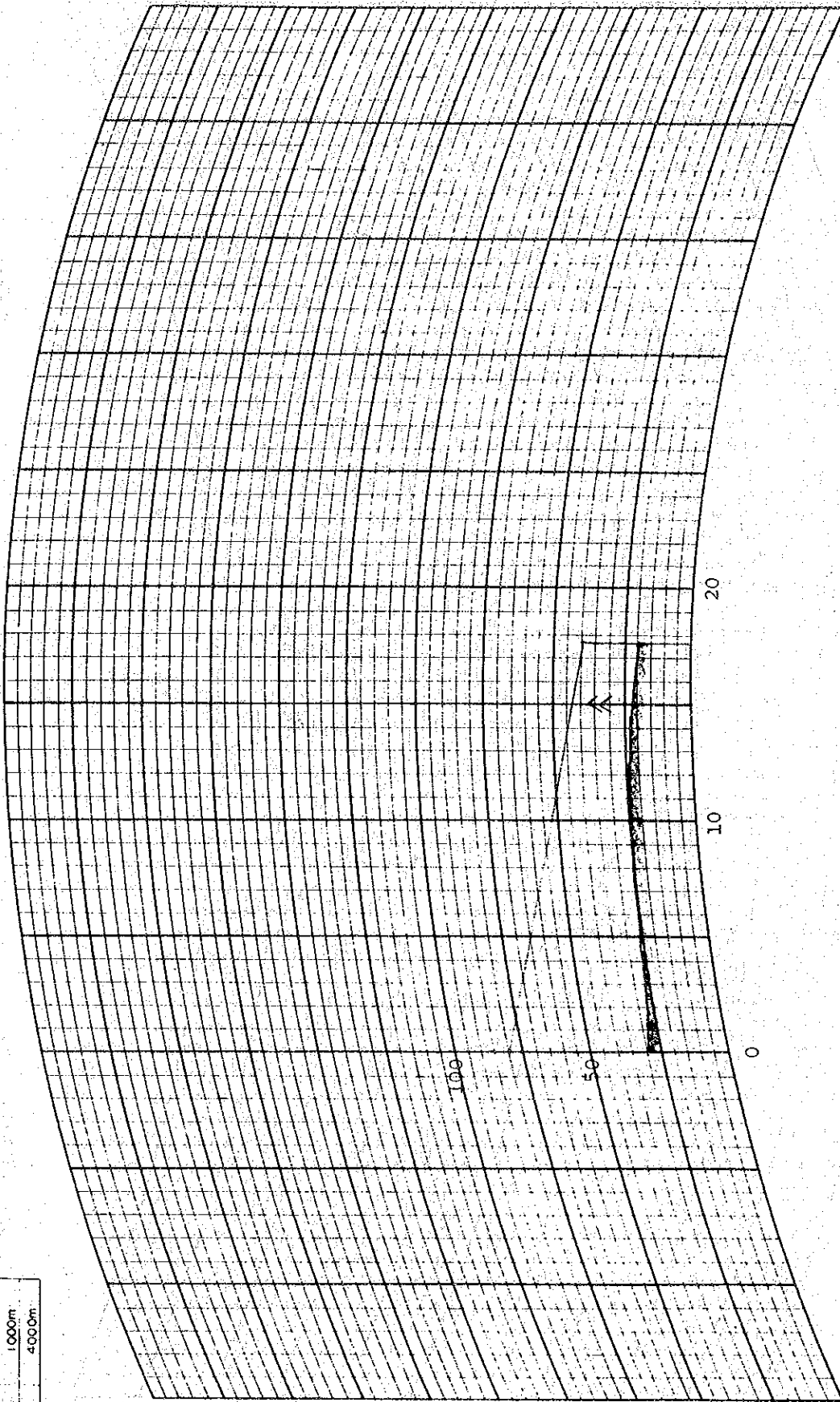
DISTANCE: 27.8 km

SITE: Cabanatuan  
 GROUND ELEVATION: 30 m  
 ANTENNA HEIGHT: 50 m

Fig. VII-2-2-4(4/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
0	250m
120km	1000m
240km	4000m



SITE Jaen  
 GROUND ELEVATION: 20 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 17.7 km

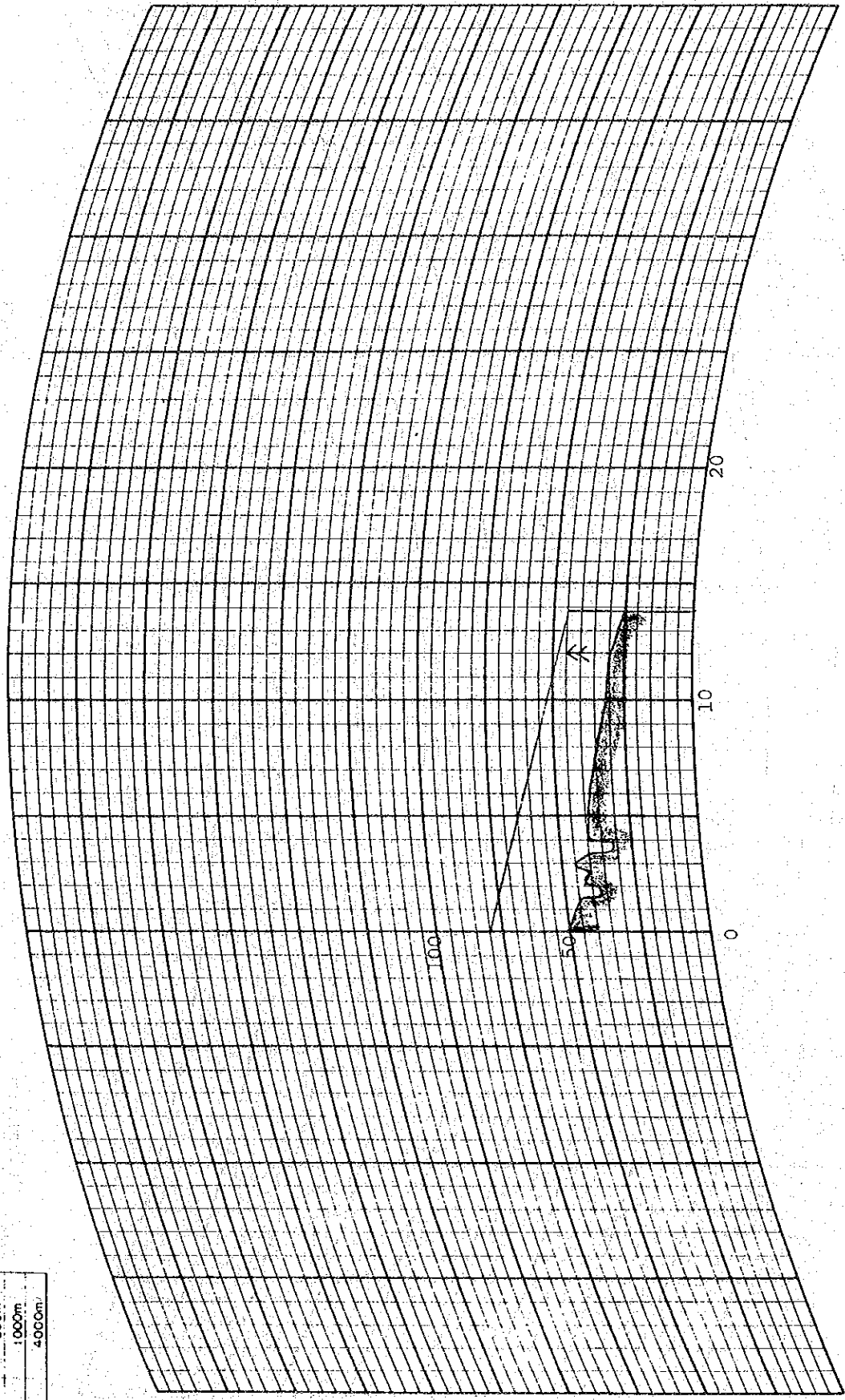
SITE Cabanatuan  
 GROUND ELEVATION: 30 m  
 ANTENNA HEIGHT: 50 m

Fig. VII-2-2-4 (5/33)

# PATH PROFILE ( 4/3 RADIUS )

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Gerona  
 GROUND ELEVATION: 25 m  
 ANTENNA HEIGHT: 20 m

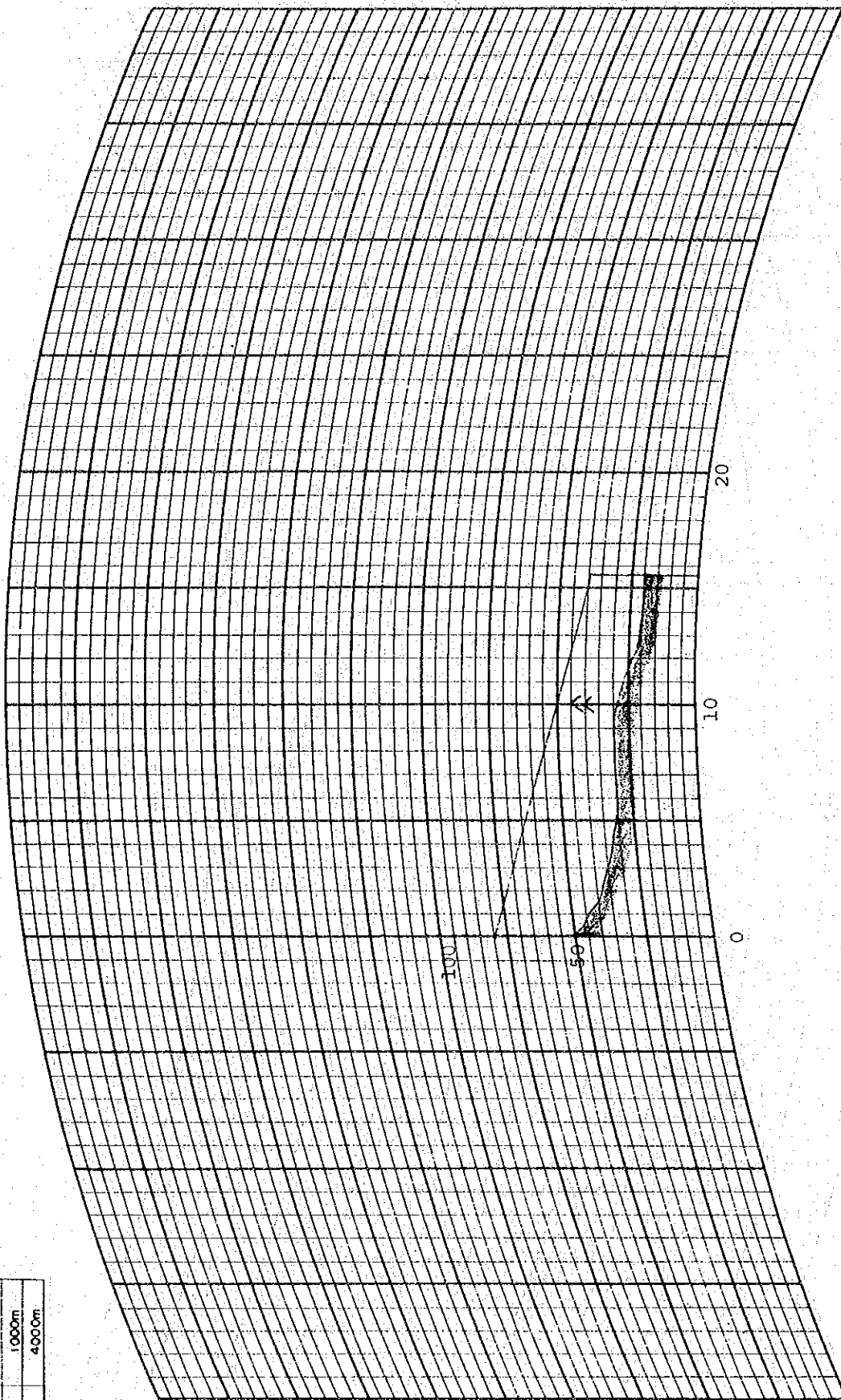
DISTANCE: 13.8 km

SITE: Tarlac R.S.  
 GROUND ELEVATION: 50 m  
 ANTENNA HEIGHT: 30 m

Fig. VII-2-2-4(6/33)

# PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
0	250m
120km	1000m
240km	4000m



SITE: Ia Paz  
 GROUND ELEVATION: 18 m  
 ANTENNA HEIGHT: 20 m

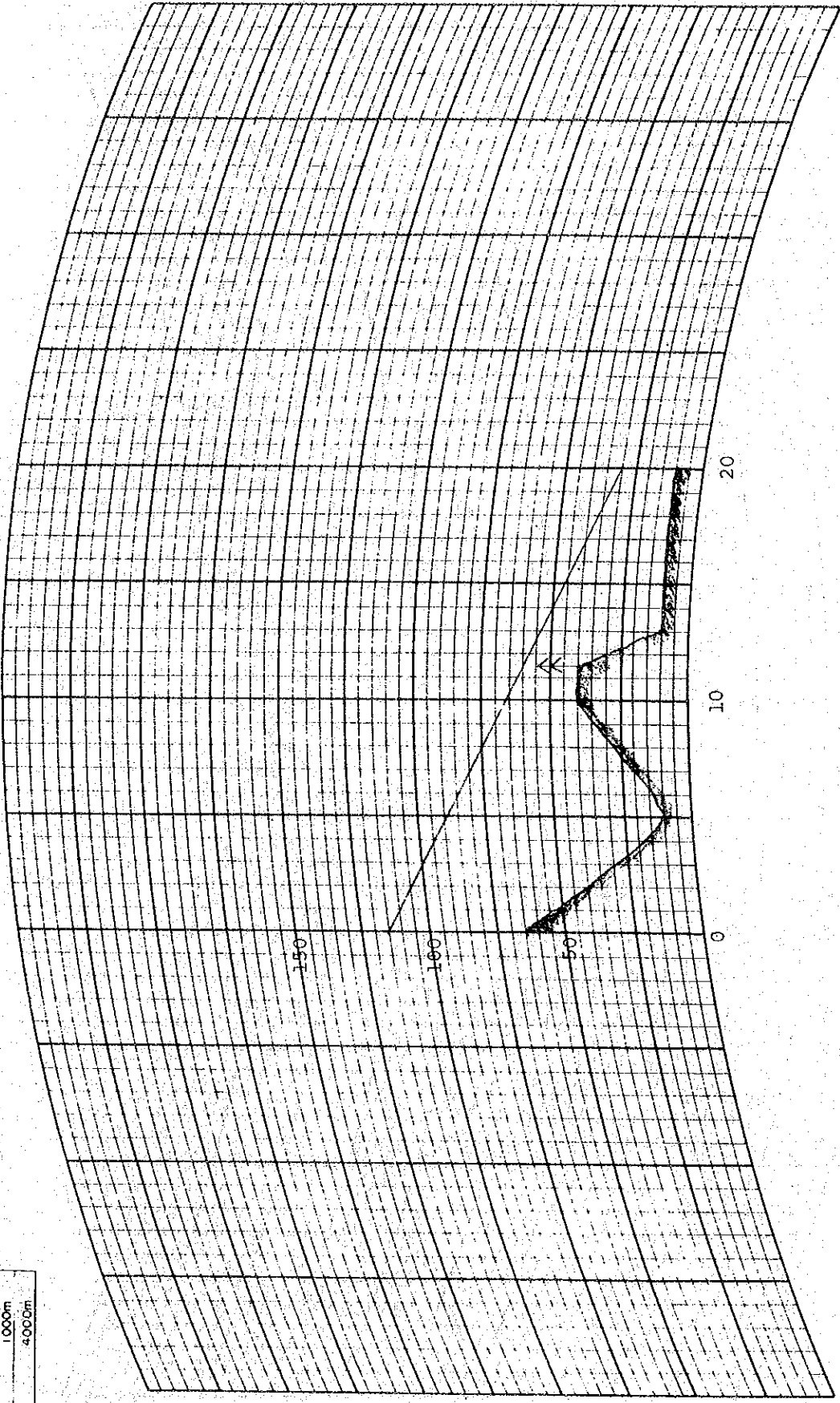
DISTANCE: 15.7 km

SITE: Tarlac R.S.  
 GROUND ELEVATION: 50 m  
 ANTENNA HEIGHT: 30 m

Fig. VII-2-2-4(7/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: San Ildefonso  
 GROUND ELEVATION: 10 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 20.0 km

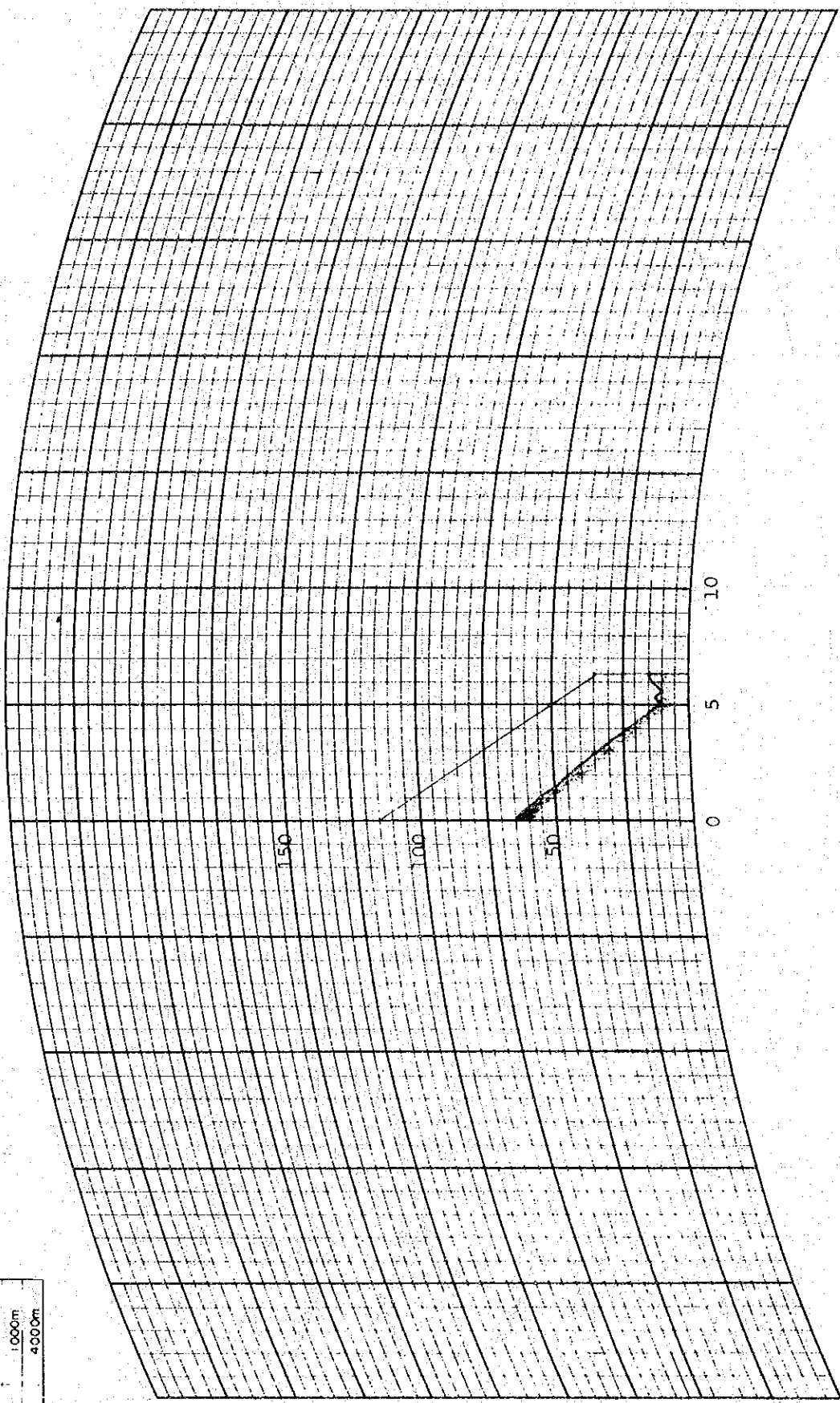
SITE: Pandi R.S.  
 GROUND ELEVATION: 65 m  
 ANTENNA HEIGHT: 50 m

Fig. VII-2-2-4 (8/33)

**PATH PROFILE ( 4/3 RADIUS )**

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE Pandi R.S.  
 GROUND ELEVATION 65 m  
 ANTENNA HEIGHT 50 m

SITE San Rafael  
 GROUND ELEVATION 15 m  
 ANTENNA HEIGHT 20 m

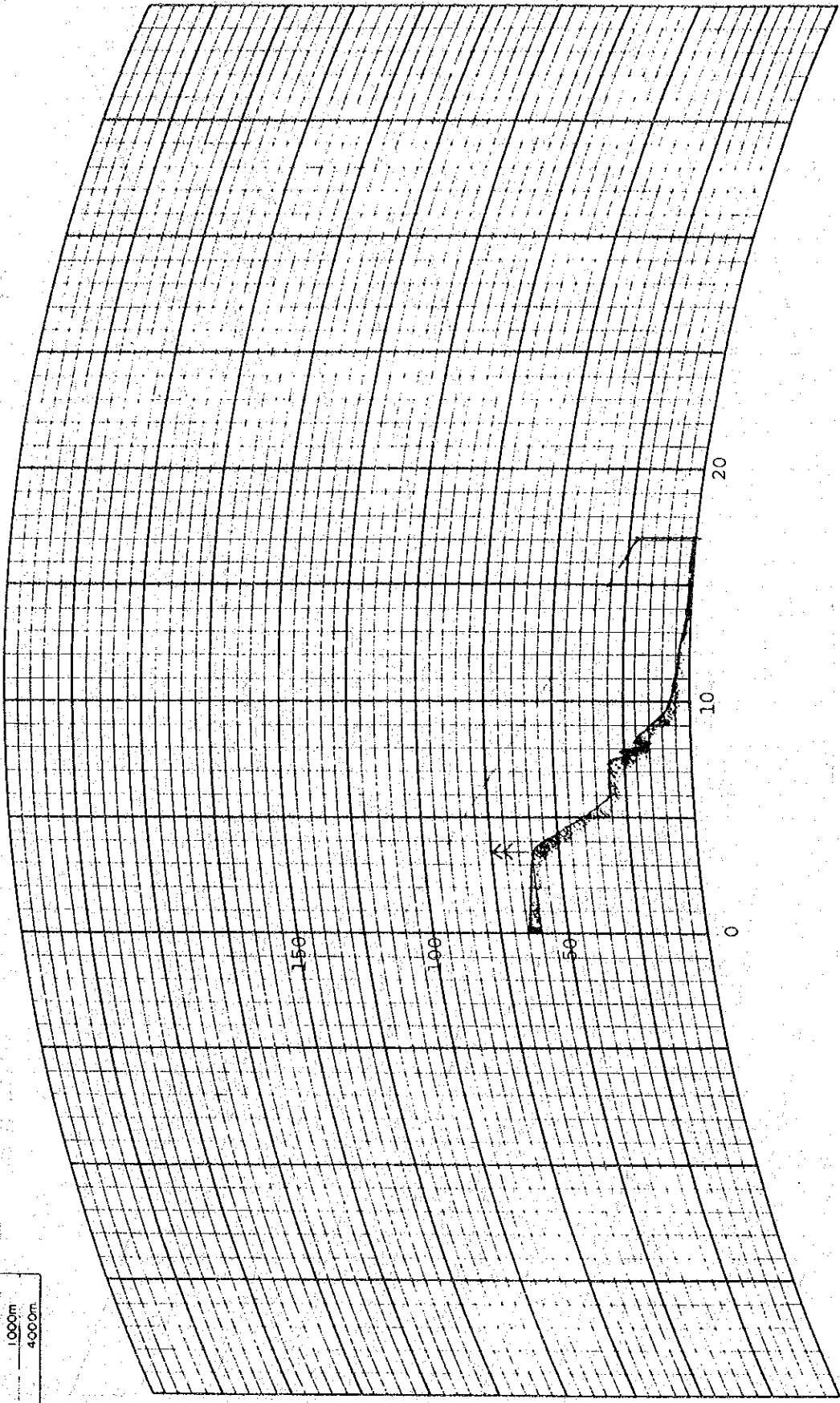
DISTANCE 6.3 km

Fig. VII-2-2-4 (9/33)



PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
0	250m
60km	1000m
120km	4000m
240km	16000m



SITE Pandi R.S.  
 GROUND ELEVATION: 65 m  
 ANTENNA HEIGHT: 50 m

DISTANCE: 17.1 km

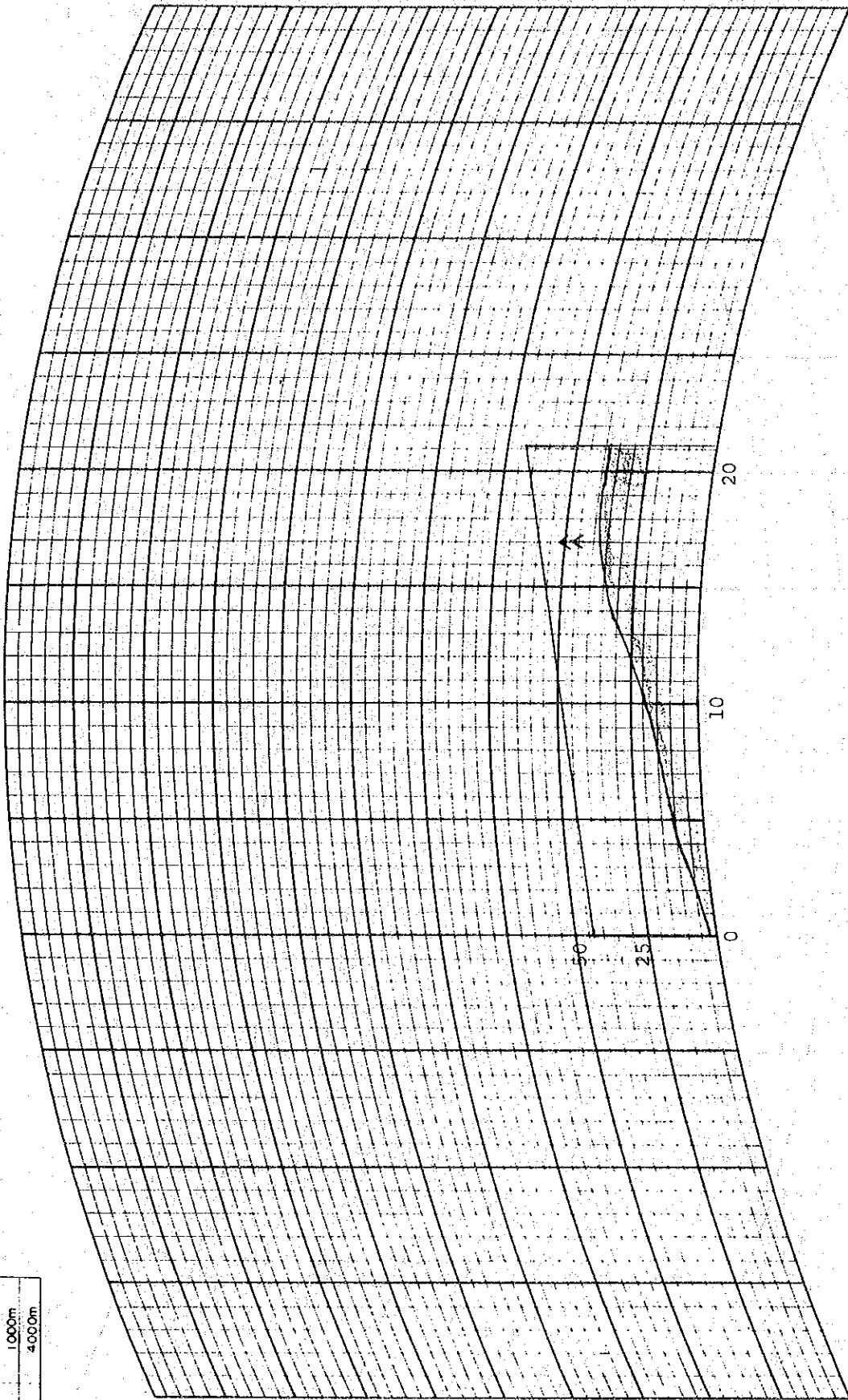
SITE Bulacan  
 GROUND ELEVATION: 2 m  
 ANTENNA HEIGHT: 20 m

Fig. VII-2-2-4 (10/33)

**PATH PROFILE ( 4/3 RADIUS )**

**FULL SCALE**

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Magalang  
 GROUND ELEVATION: 38 m  
 ANTENNA HEIGHT: 30 m

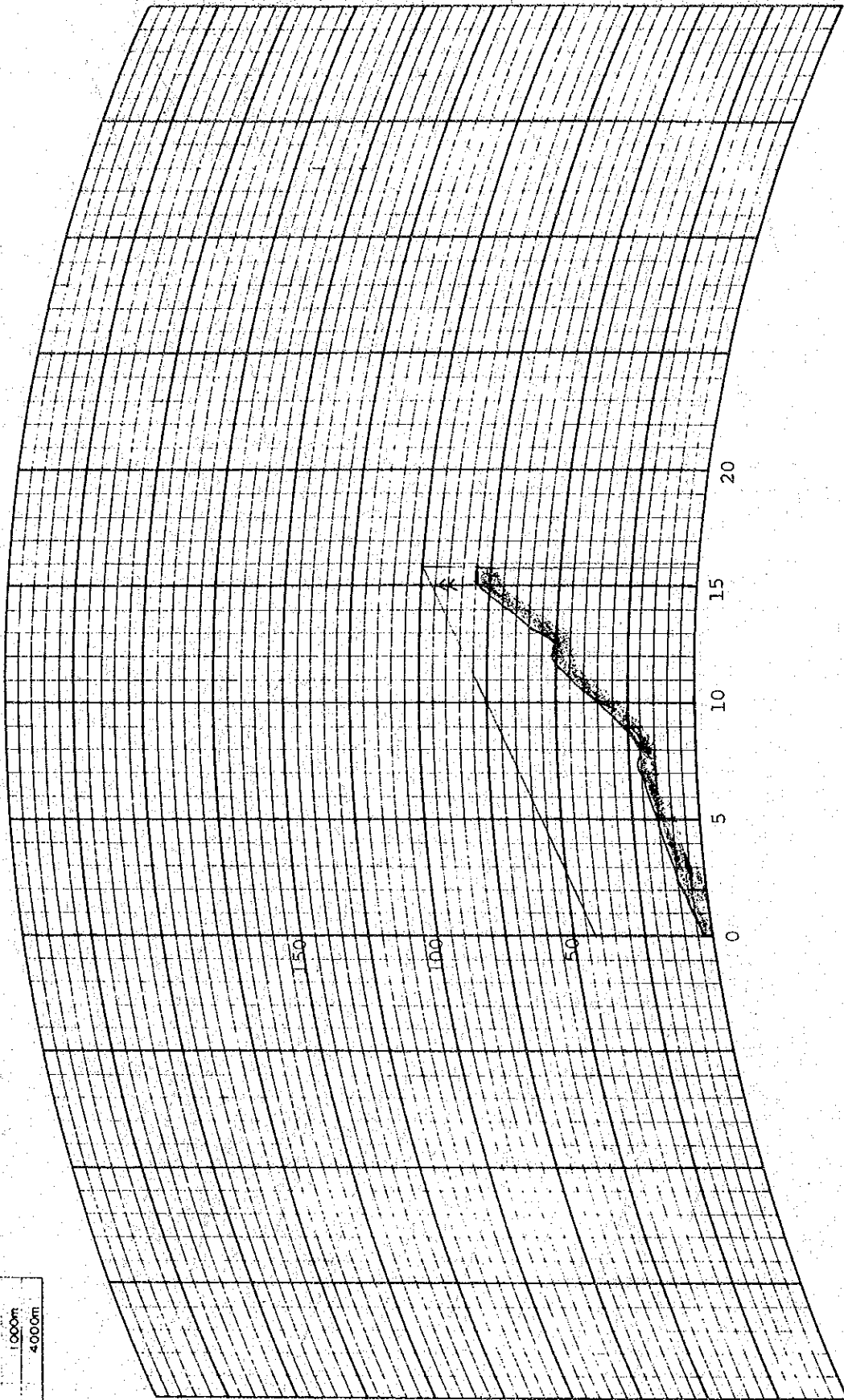
DISTANCE: 21.3 km

SITE: San Fernando R.S.  
 GROUND ELEVATION: 3 m  
 ANTENNA HEIGHT: 40 m

Fig. VII-2-2-4 (11/33)

# PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60 km	250 m
120 km	1000 m
240 km	4000 m



SITE: Porac R.S.  
 GROUND ELEVATION: 80 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 15.8 km

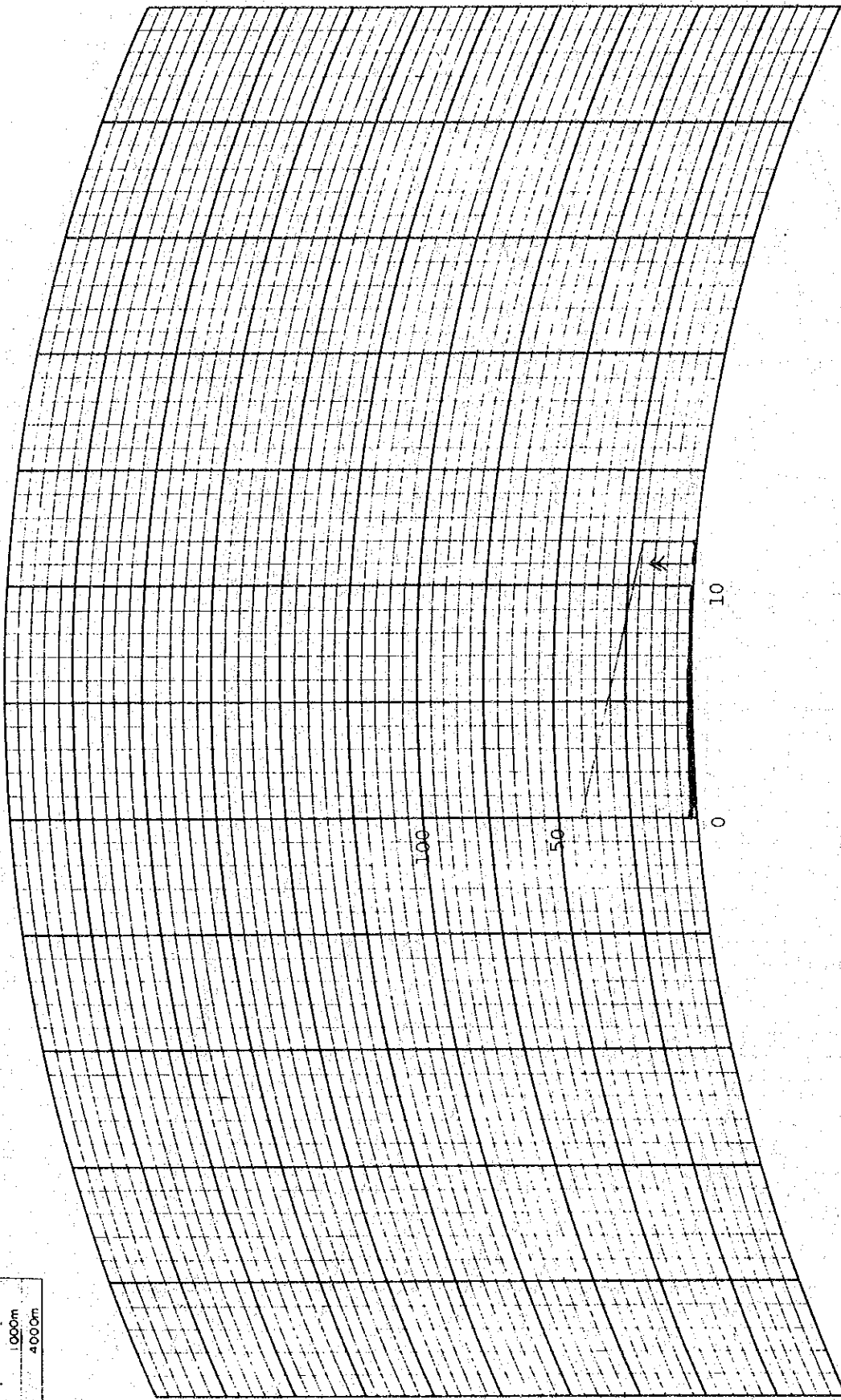
SITE: San Fernando R.S.  
 GROUND ELEVATION: 3 m  
 ANTENNA HEIGHT: 40 m

Fig. VII-2-2-4 (12/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE

DISTANCE	HEIGHT
60 km	250 m
120 km	1000 m
240 km	4000 m



SITE: Sexmoan  
 GROUND ELEVATION: 0 m  
 ANTENNA HEIGHT: 20 m

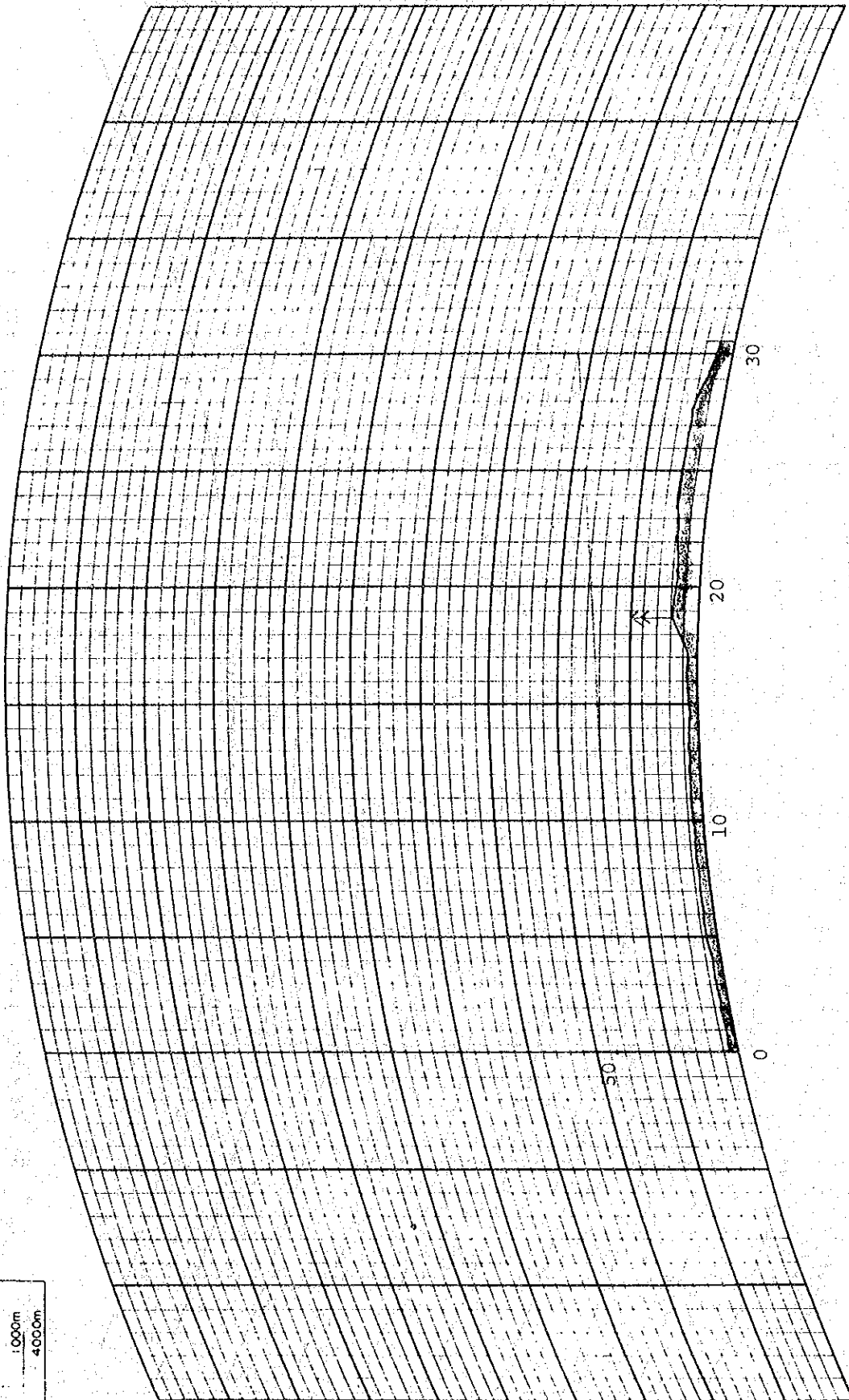
DISTANCE: 12.0 km

SITE: San Fernando R.S.  
 GROUND ELEVATION: 3 m  
 ANTENNA HEIGHT: 40 m

Fig. VII-2-2-4 (13/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE Dinalupihan  
 GROUND ELEVATION: 5 m  
 ANTENNA HEIGHT: 50 m

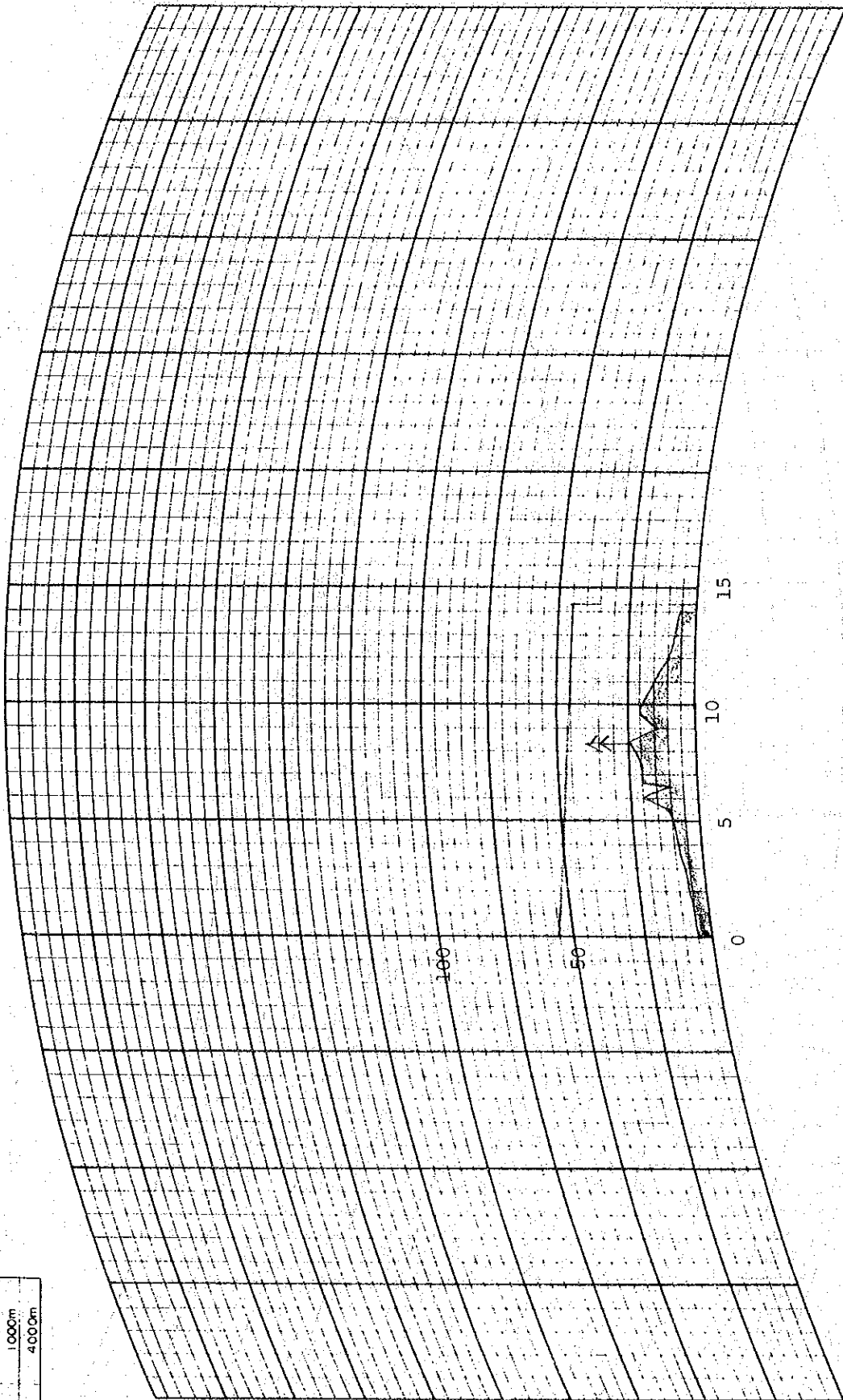
DISTANCE: 30.5 km

SITE San Fernando R.S.  
 GROUND ELEVATION: 3 m  
 ANTENNA HEIGHT: 40 m

Fig-VII-2-2-4(14/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE Samal  
 GROUND ELEVATION 5 m  
 ANTENNA HEIGHT 40 m

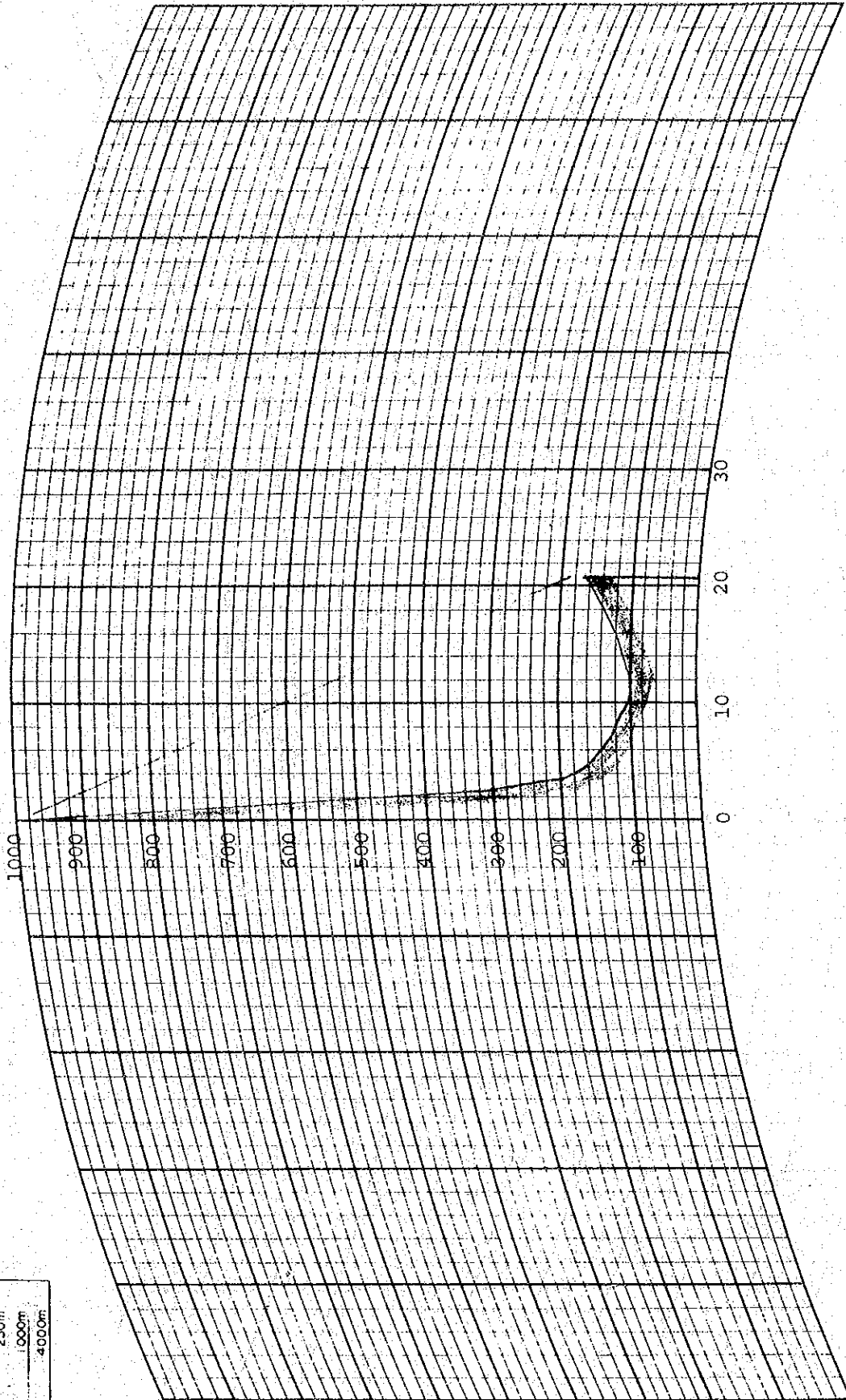
DISTANCE 14.2 km

SITE Dinalupihan  
 GROUND ELEVATION 5 m  
 ANTENNA HEIGHT 50 m

Fig.VII-2-2-4 (15/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Mt. Banoy R.S.  
 GROUND ELEVATION: 968 m  
 ANTENNA HEIGHT: 30 m

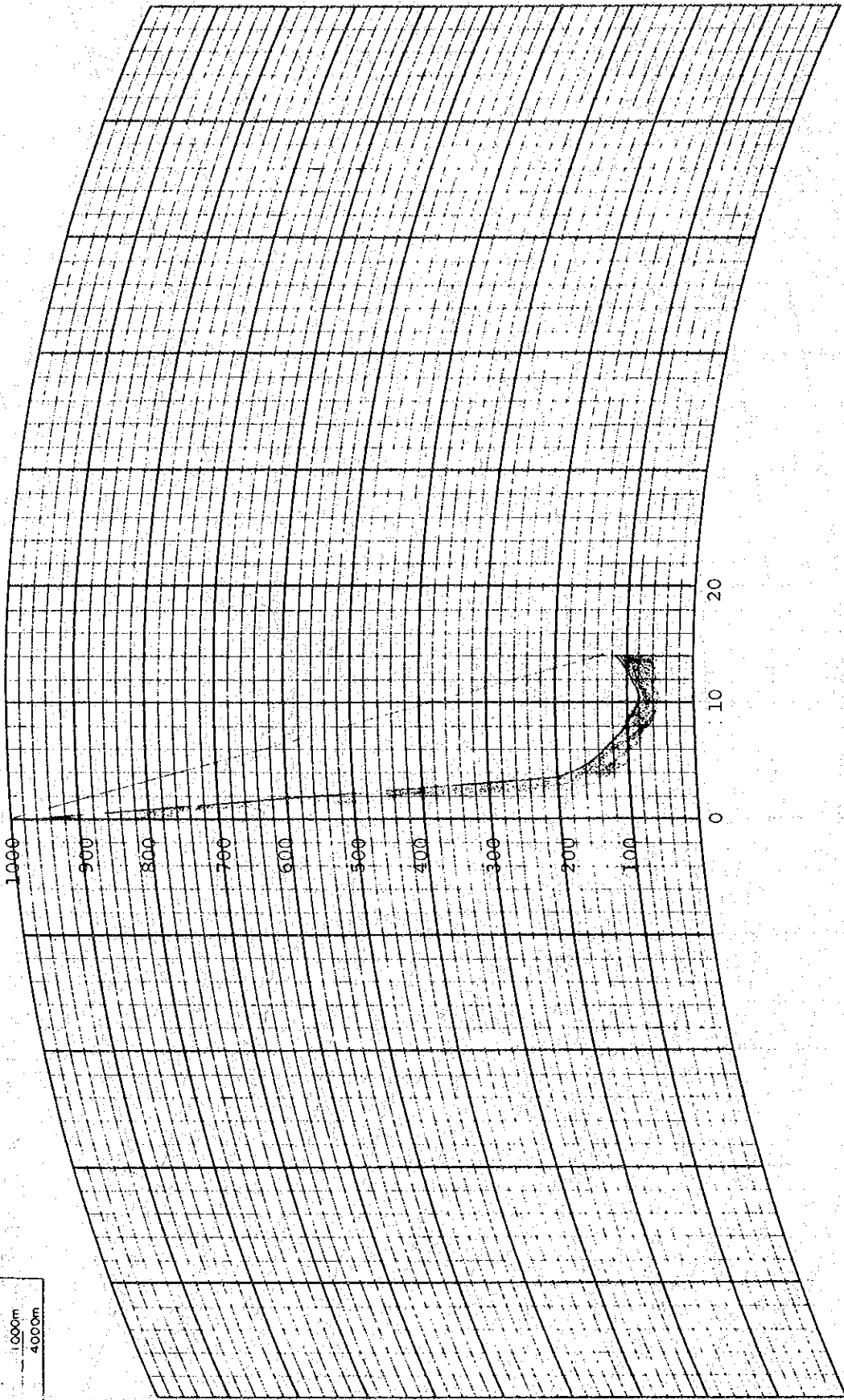
SITE: P. Garica  
 GROUND ELEVATION: 170 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 20.7 km

Fig. VII-2-24(16/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60 km	250 m
120 km	1000 m
240 km	4000 m



SITE: Ibaan  
 GROUND ELEVATION: 115 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 13.9 km

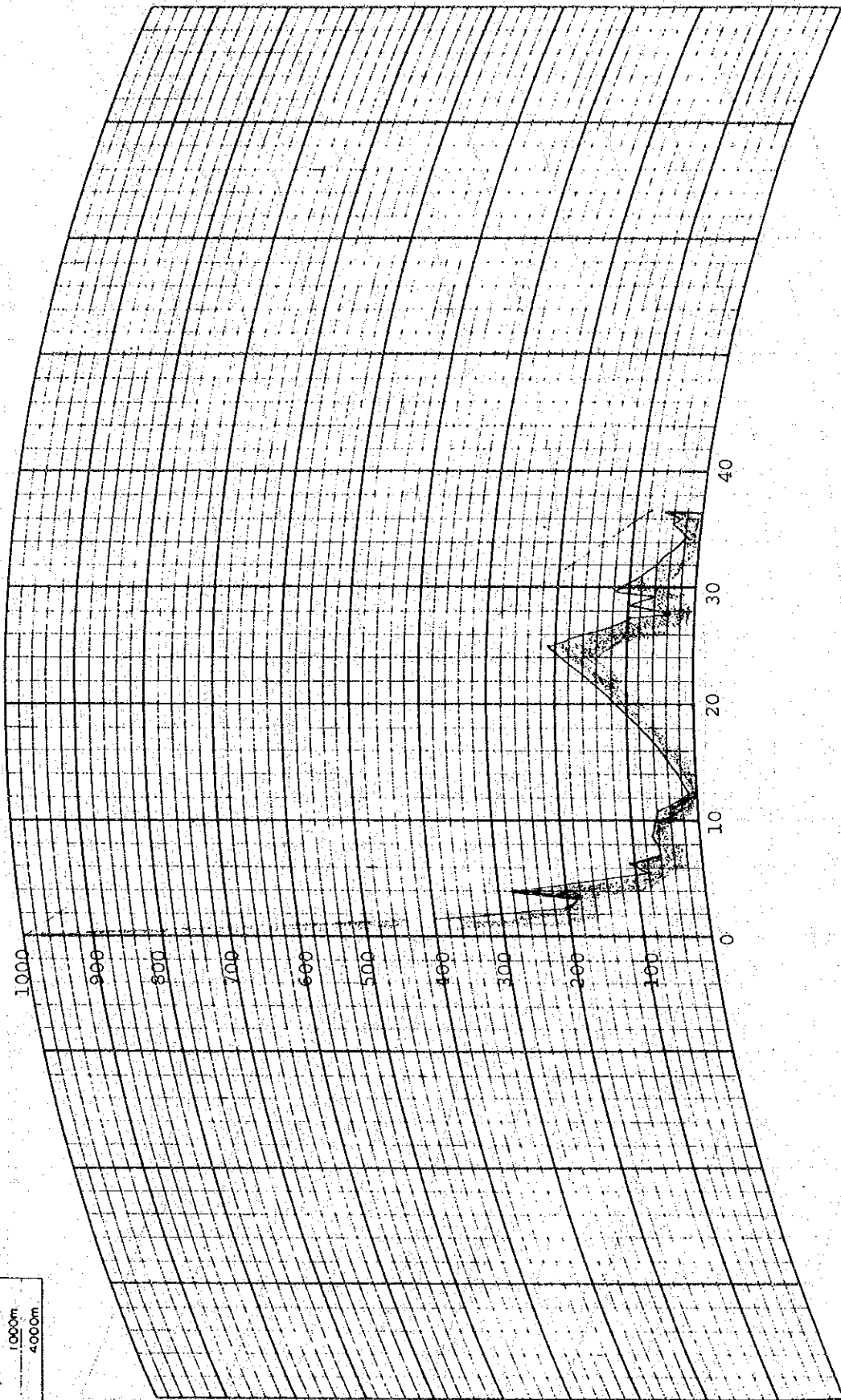
SITE: Mt. Bancy R.S.  
 GROUND ELEVATION: 968 m  
 ANTENNA HEIGHT: 30 m

Fig. VII-2-2-4 (17/33)



PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Agoncillo  
 GROUND ELEVATION: 55 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 36.6 km

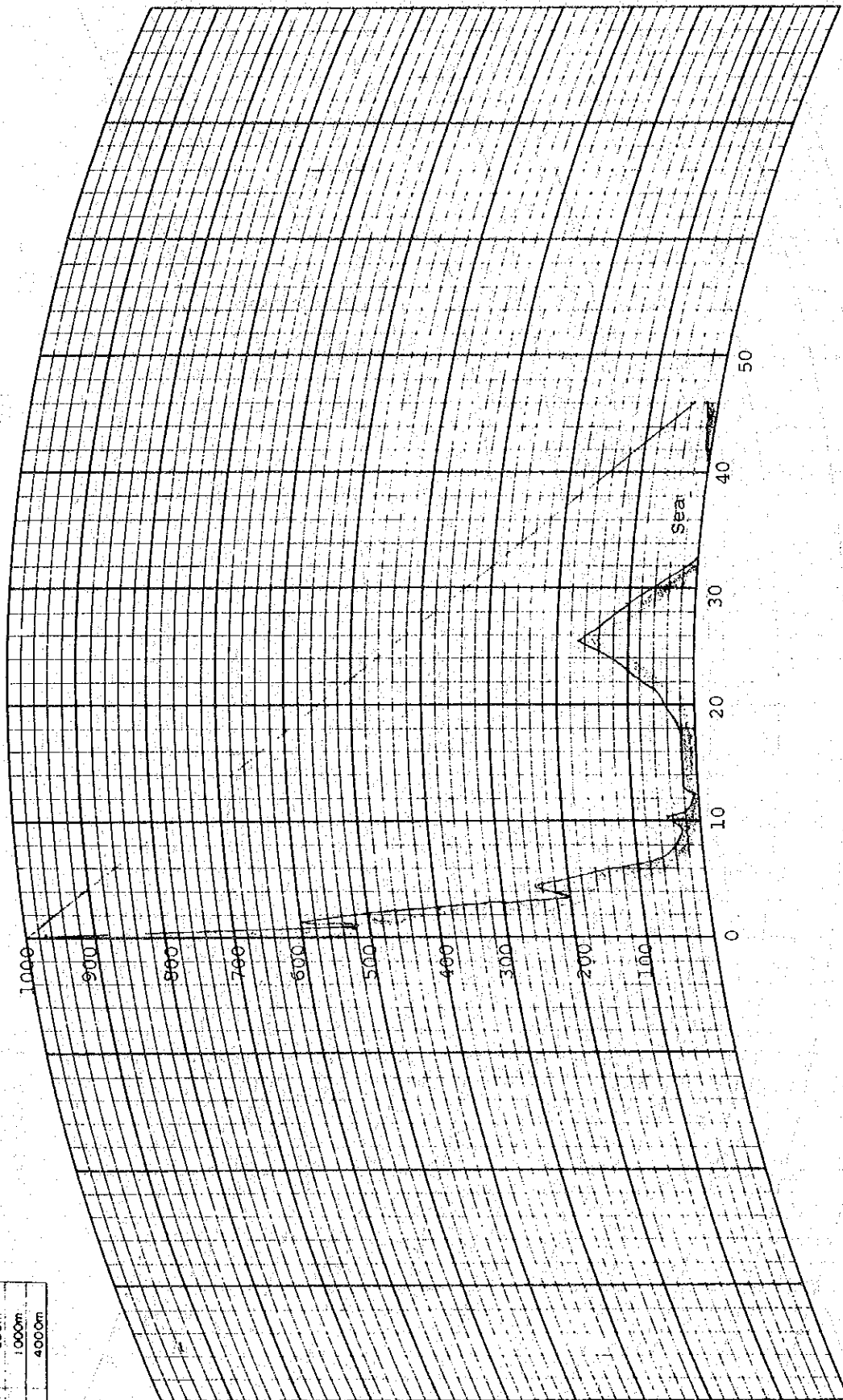
SITE: Mt. Banoy R.S.  
 GROUND ELEVATION: 968 m  
 ANTENNA HEIGHT: 30 m

Fig.VII-2-2-4 (18/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Calaca  
 GROUND ELEVATION: 18 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 46.1 km

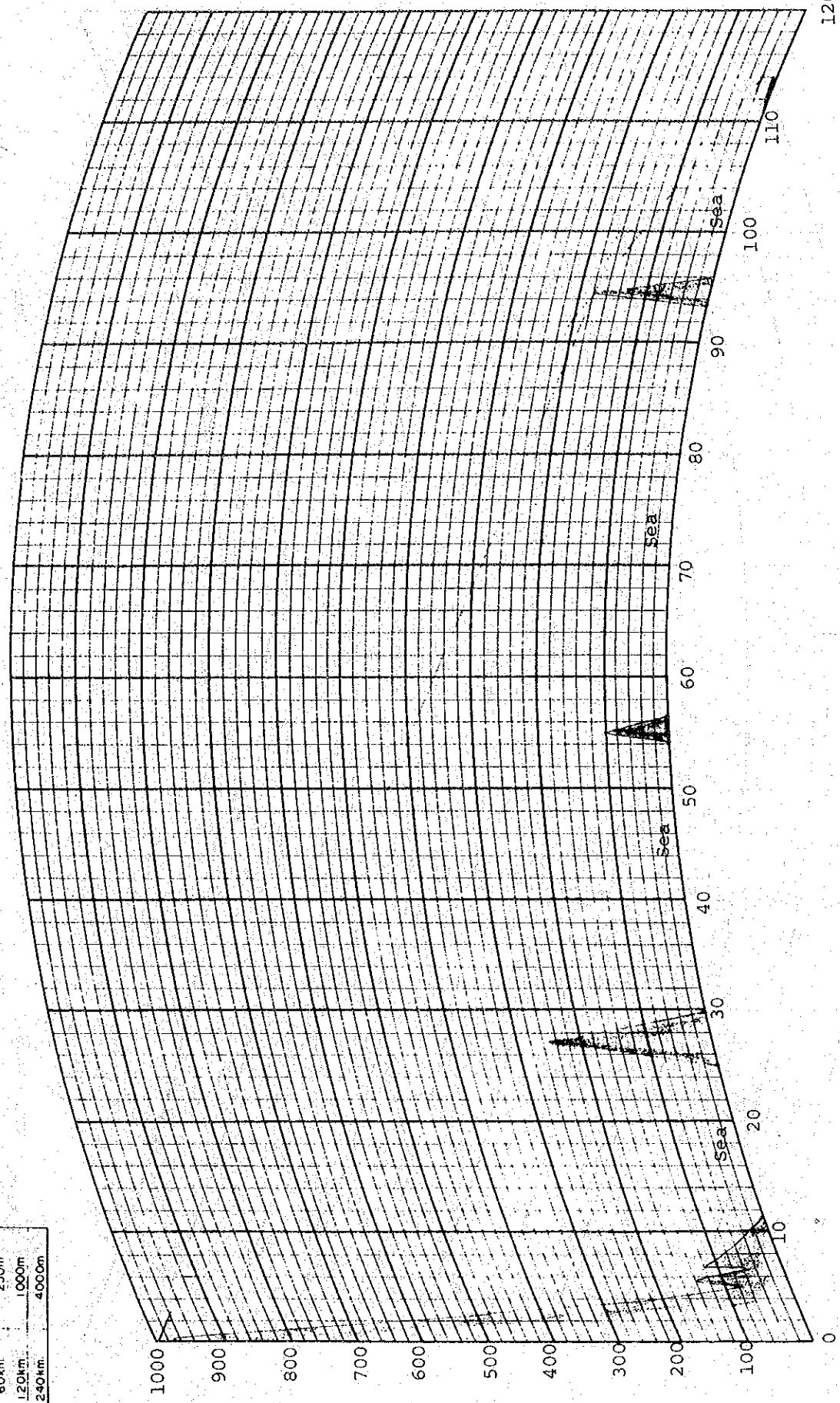
SITE: Mt. Banoy R.S.  
 GROUND ELEVATION: 968 m  
 ANTENNA HEIGHT: 30 m

Fig. VII-2-2-4 (19/33)

# PATH PROFILE ( 4/3 RADIUS )

FULL SCALE

DISTANCE	HEIGHT
60 km	250 m
120 km	1000 m
240 km	4000 m



Lubang

SITE: Lubang  
 GROUND ELEVATION: 3 m  
 ANTENNA HEIGHT: 20 m

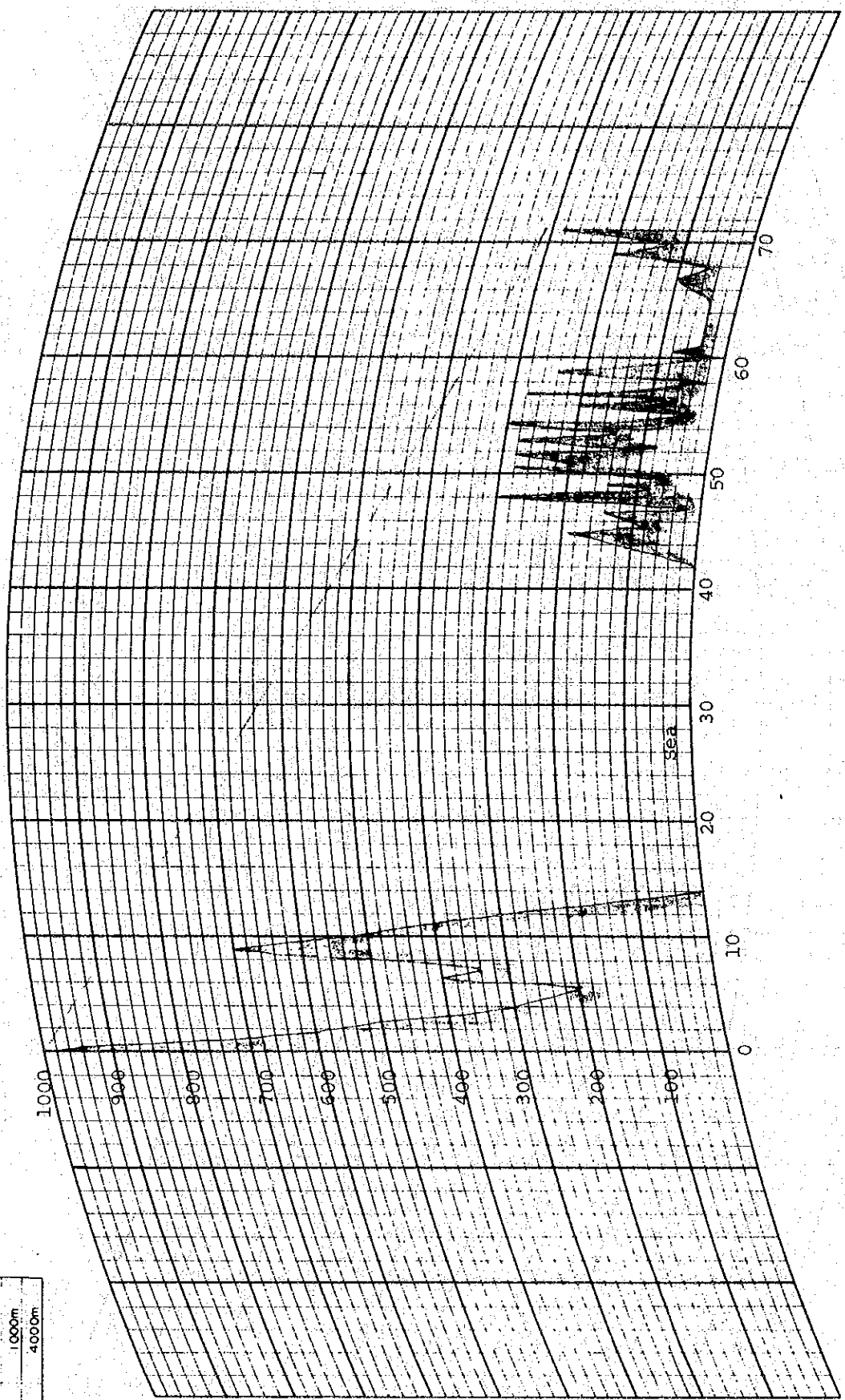
DISTANCE: 114.0 km

SITE: Mt. Banoy R.S.  
 GROUND ELEVATION: 968 m  
 ANTENNA HEIGHT: 30 m

Fig. VII-2-2-4 (20/33)

# PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Cabacao R.S.  
 GROUND ELEVATION: 280 m  
 ANTENNA HEIGHT: 30 m

DISTANCE: 71.0 km

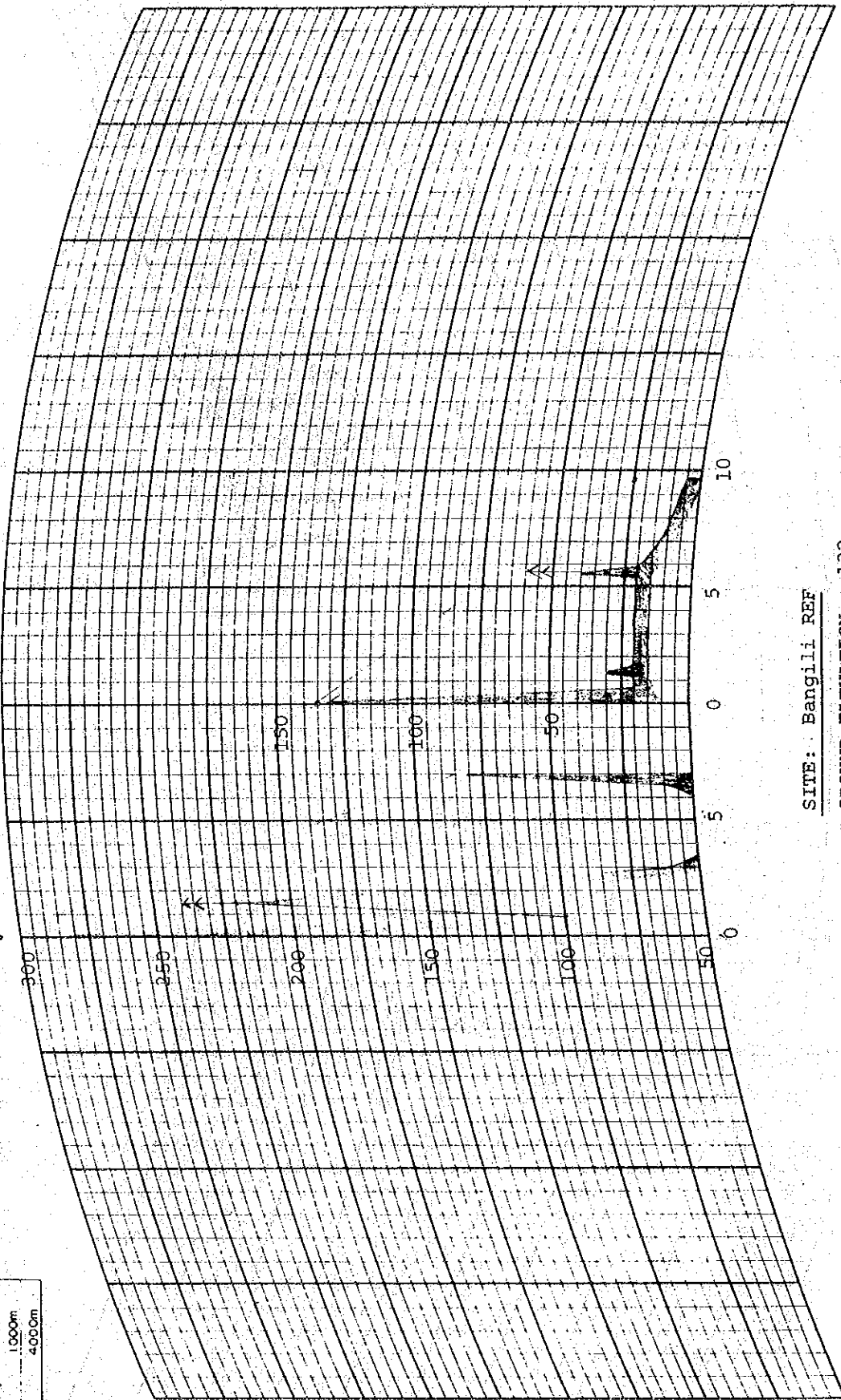
SITE: Mt. Banoy R.S.  
 GROUND ELEVATION: 968 m  
 ANTENNA HEIGHT: 30 m

Fig. VII-2-2-4 (21/33)

PATH PROFILE (4/3 RADIUS)

FIG. 1 SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Bangili REF  
 GROUND ELEVATION: 132m  
 REFLECTOR HEIGHT: 5m

SITE: Mamburao  
 GROUND ELEVATION: 5 m  
 ANTENNA HEIGHT: 20 m

SITE: Cabacao R.S.  
 GROUND ELEVATION: 280 m  
 ANTENNA HEIGHT: 30 m

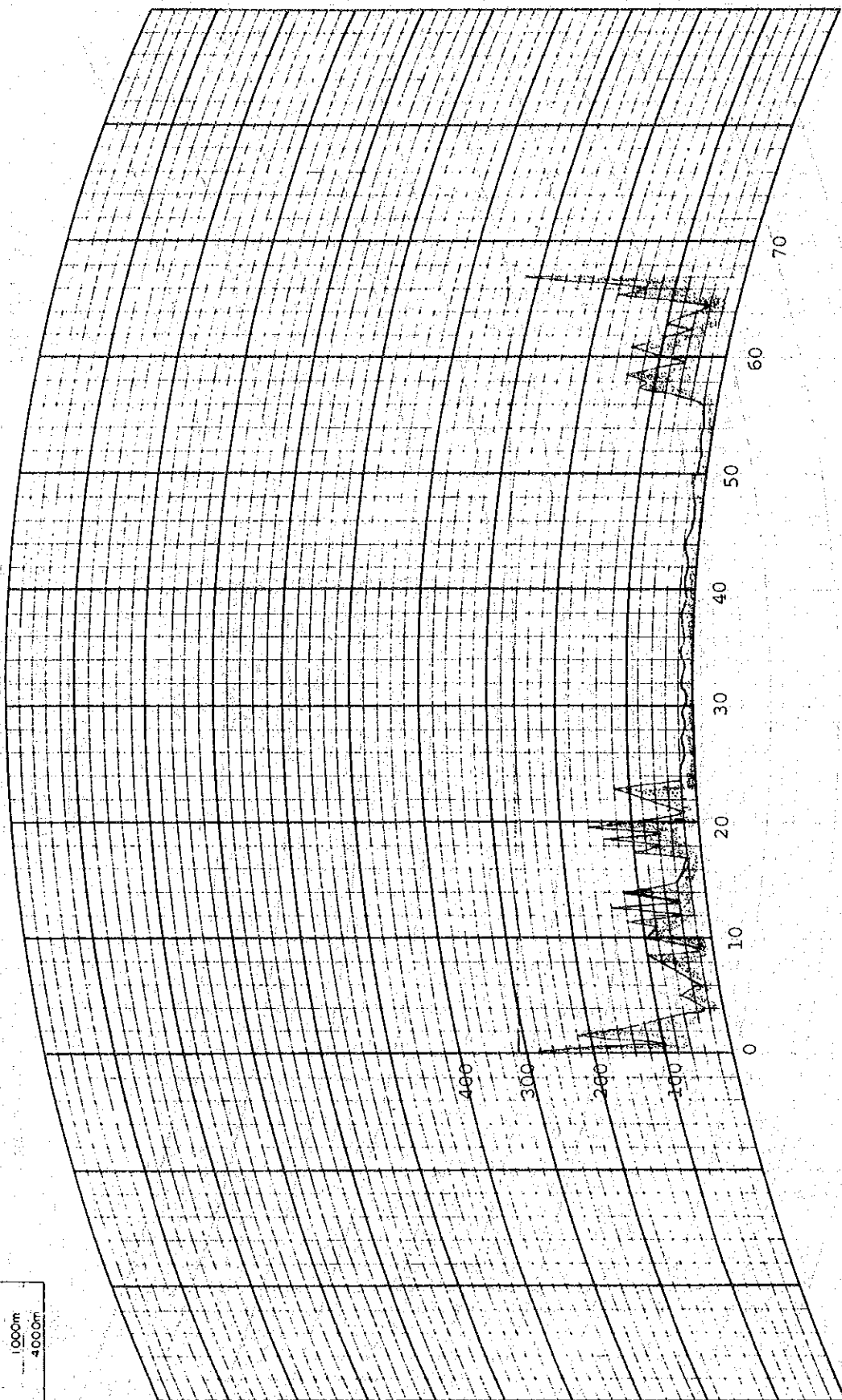
DISTANCE: 6.9 + 9.7 km

Fig. VII-2-2-4 (22/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



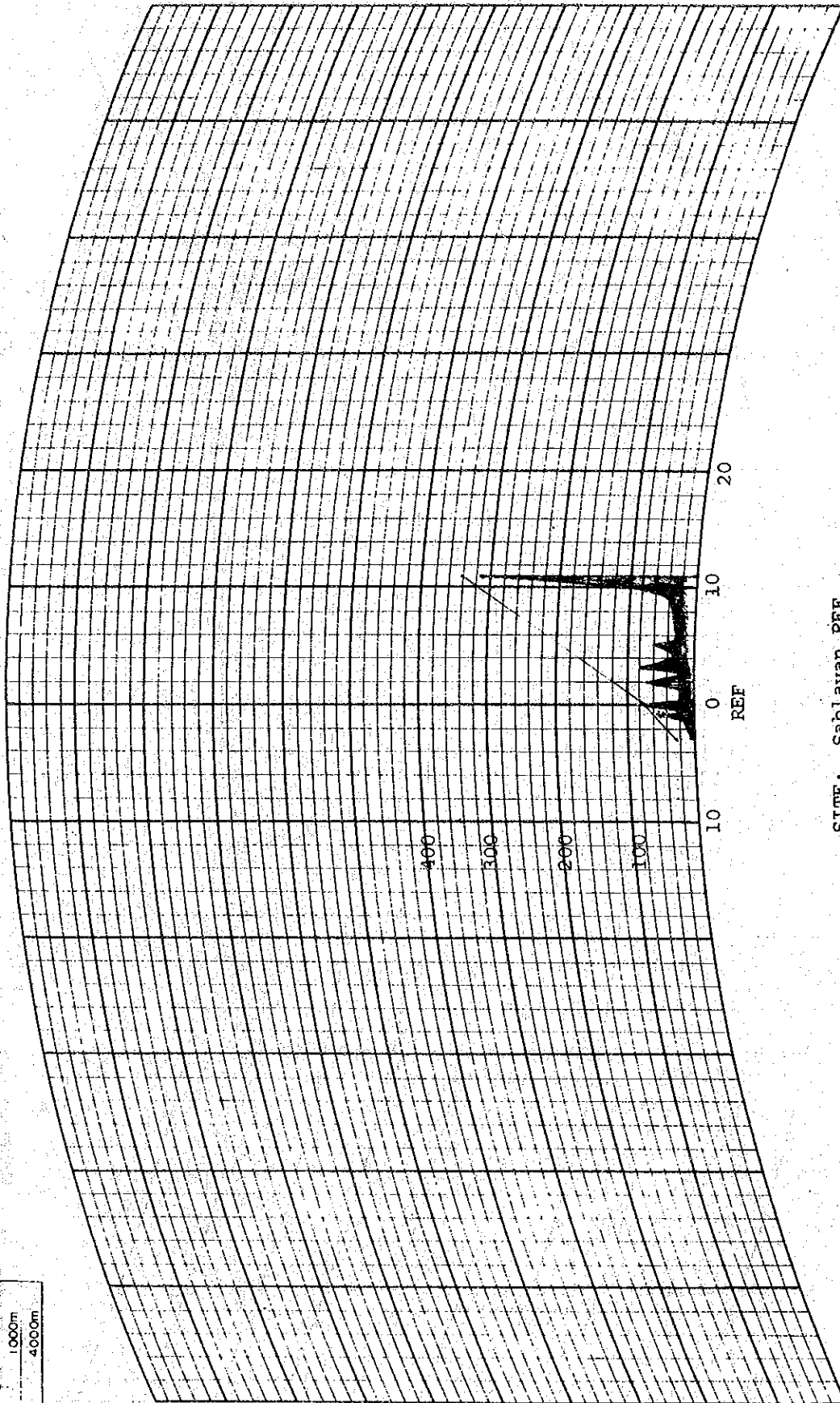
SITE: Sablayan R.S.  
 GROUND ELEVATION: 316 m  
 ANTENNA HEIGHT: 30 m

DISTANCE: 66.8 km

Fig. VII-2-2-4(23/33) SITE Cabacao R.S.  
 GROUND ELEVATION: 280 m  
 ANTENNA HEIGHT: 30 m

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: Sablayan REF  
 GROUND ELEVATION: 70m  
 REFLECTOR HEIGHT: 5m  
 DISTANCE 2.6 + 10.9 km

SITE: Sablayan R.S.  
 GROUND ELEVATION: 316 m  
 ANTENNA HEIGHT: 30 m

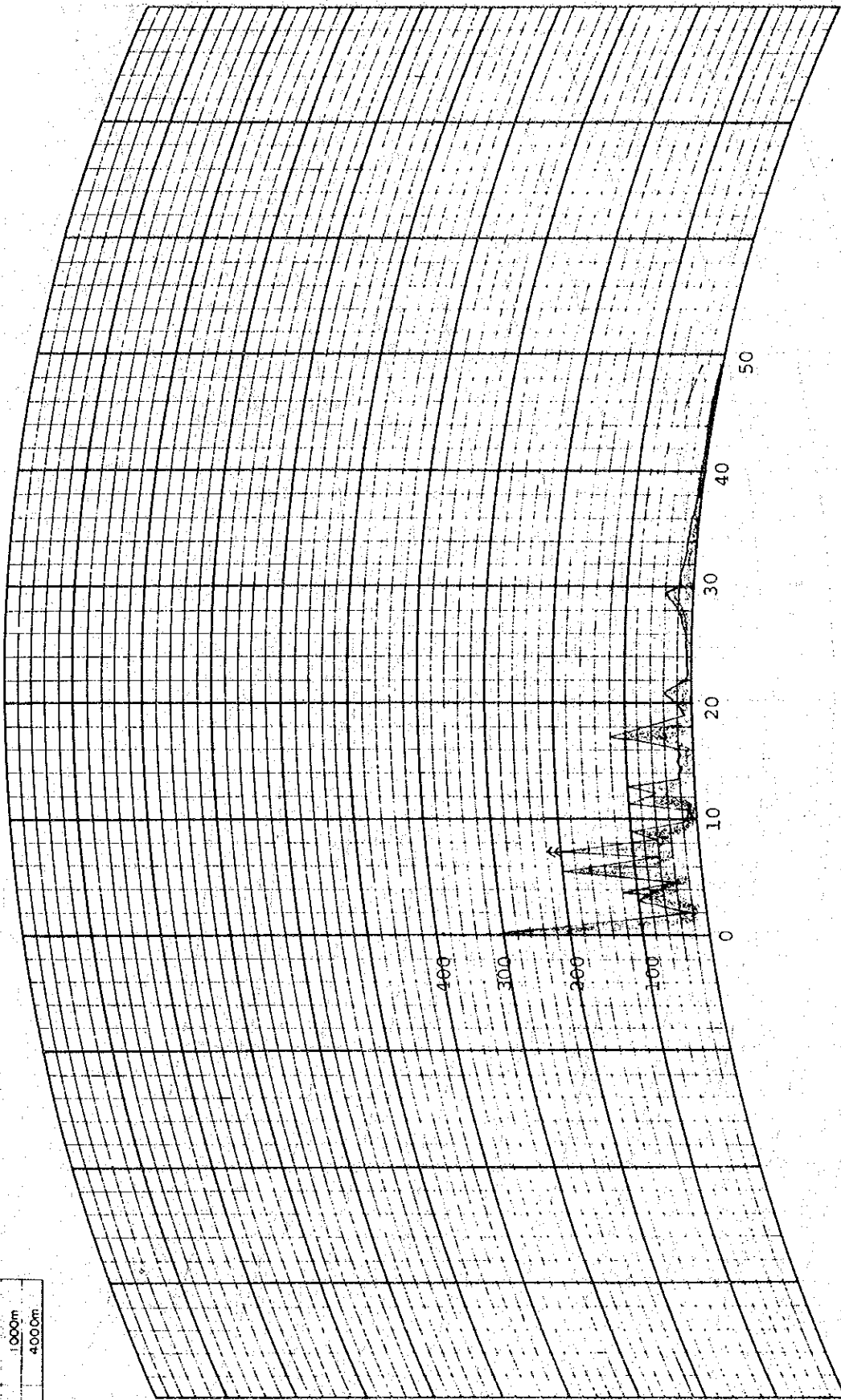
SITE: Sablayan  
 GROUND ELEVATION: 3 m  
 ANTENNA HEIGHT: 30 m

Fig. VII-2-2-4 (24/33)

**PATH PROFILE ( 4/3 RADIUS )**

FULL SCALE

DISTANCE	HEIGHT
60 km	250 m
120 km	1000 m
240 km	4000 m



SITE: San Jose R.S.  
 GROUND ELEVATION: 2 m  
 ANTENNA HEIGHT: 30 m

DISTANCE: 48.8 km

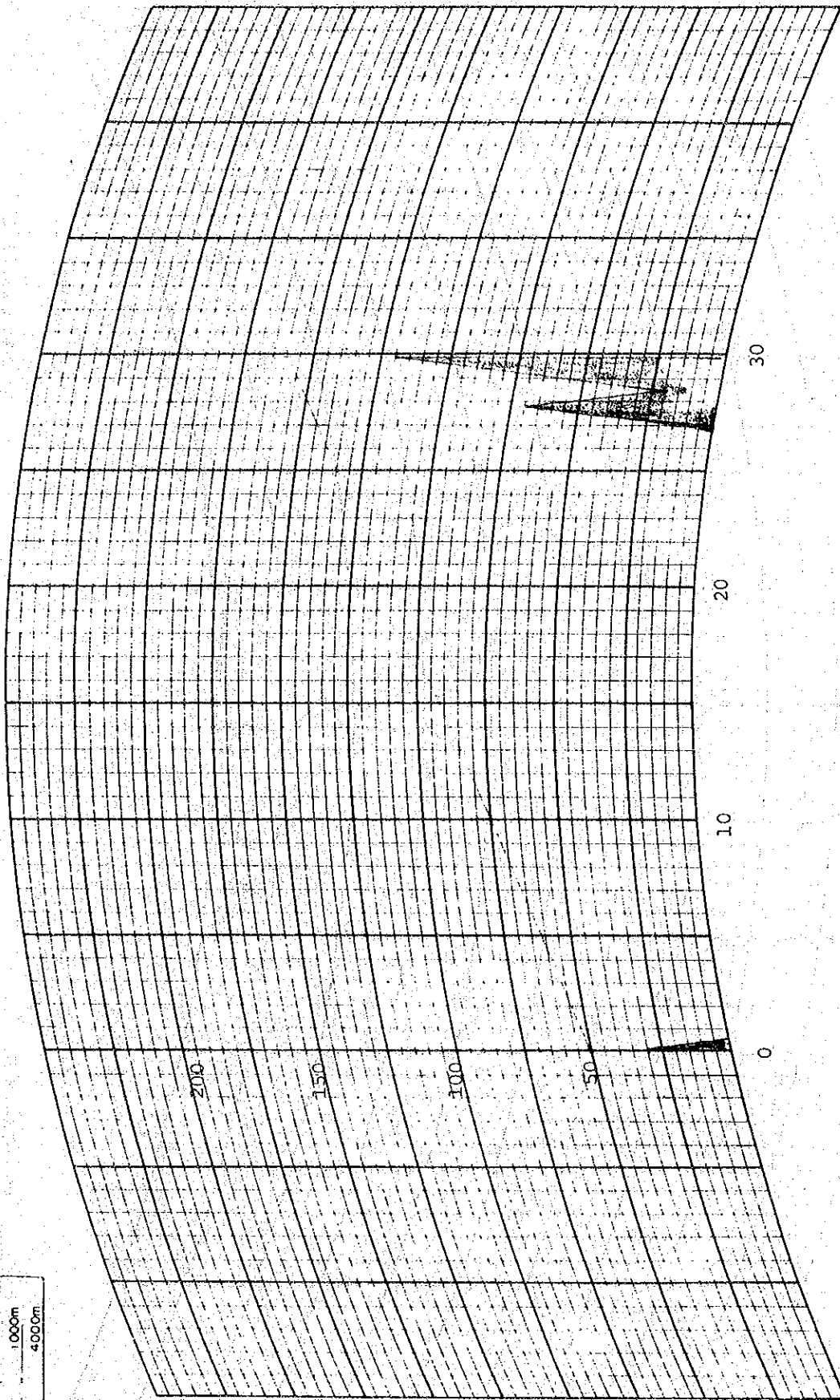
SITE: Sablayan R.S.  
 GROUND ELEVATION: 316 m  
 ANTENNA HEIGHT: 30 m

Fig. VII-2-2-4 (25/33)



PATH PROFILE (4/3 RADIUS)

SCALE	
DISTANCE	HEIGHT
0	250m
20km	1000m
240km	4000m



SITE: Calapan R.S.  
 GROUND ELEVATION: 120 m  
 ANTENNA HEIGHT: 40 m

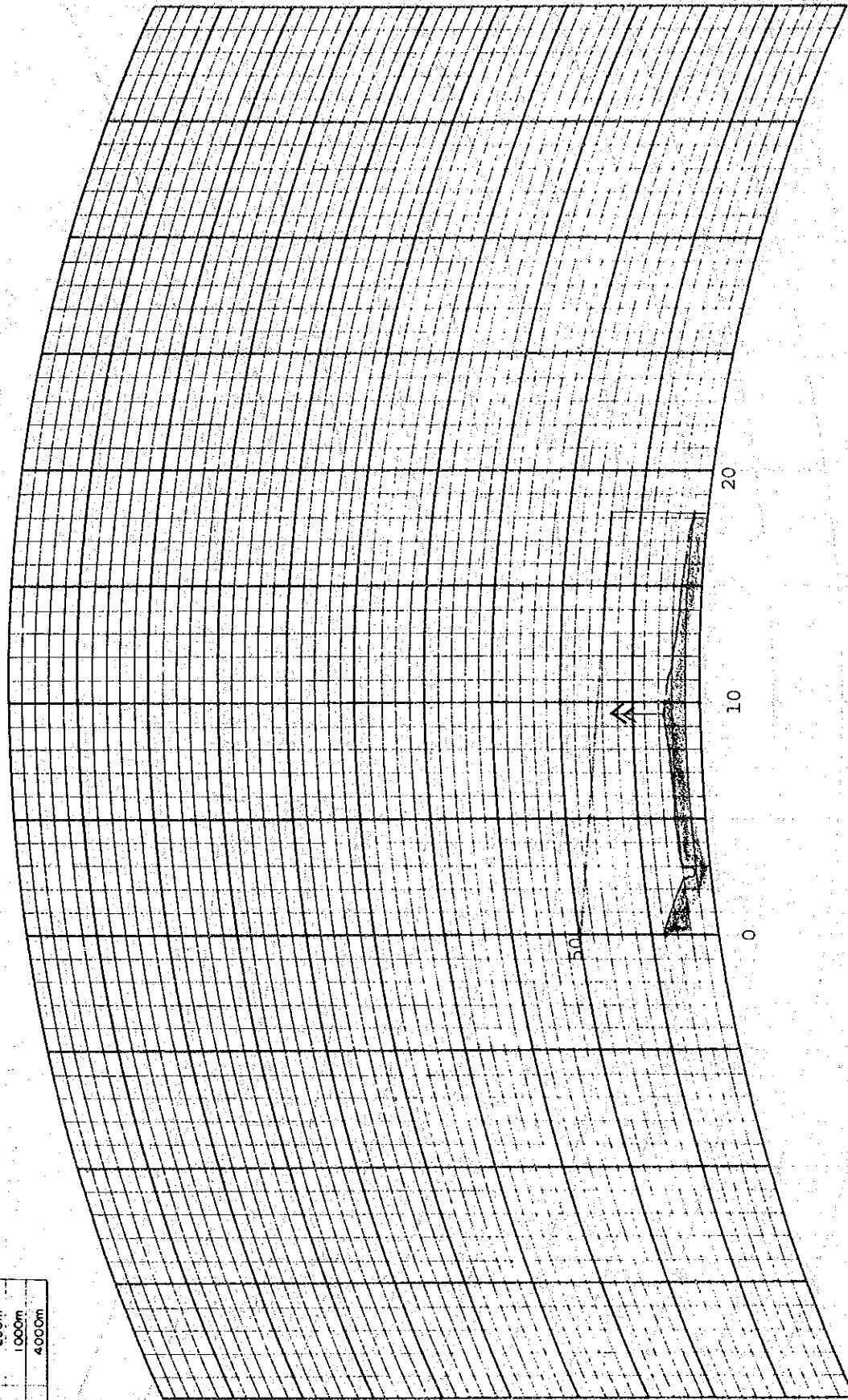
DISTANCE: 29.8 km

SITE: P. Galera R.S.  
 GROUND ELEVATION: 30 m  
 ANTENNA HEIGHT: 20 m

Fig. VII-2-2-4 (26/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE	
DISTANCE	HEIGHT
0	250m
60km	1000m
120km	4000m
240km	16000m



SITE Victoria

GROUND ELEVATION 20 m

ANTENNA HEIGHT 30 m

SITE Naujan

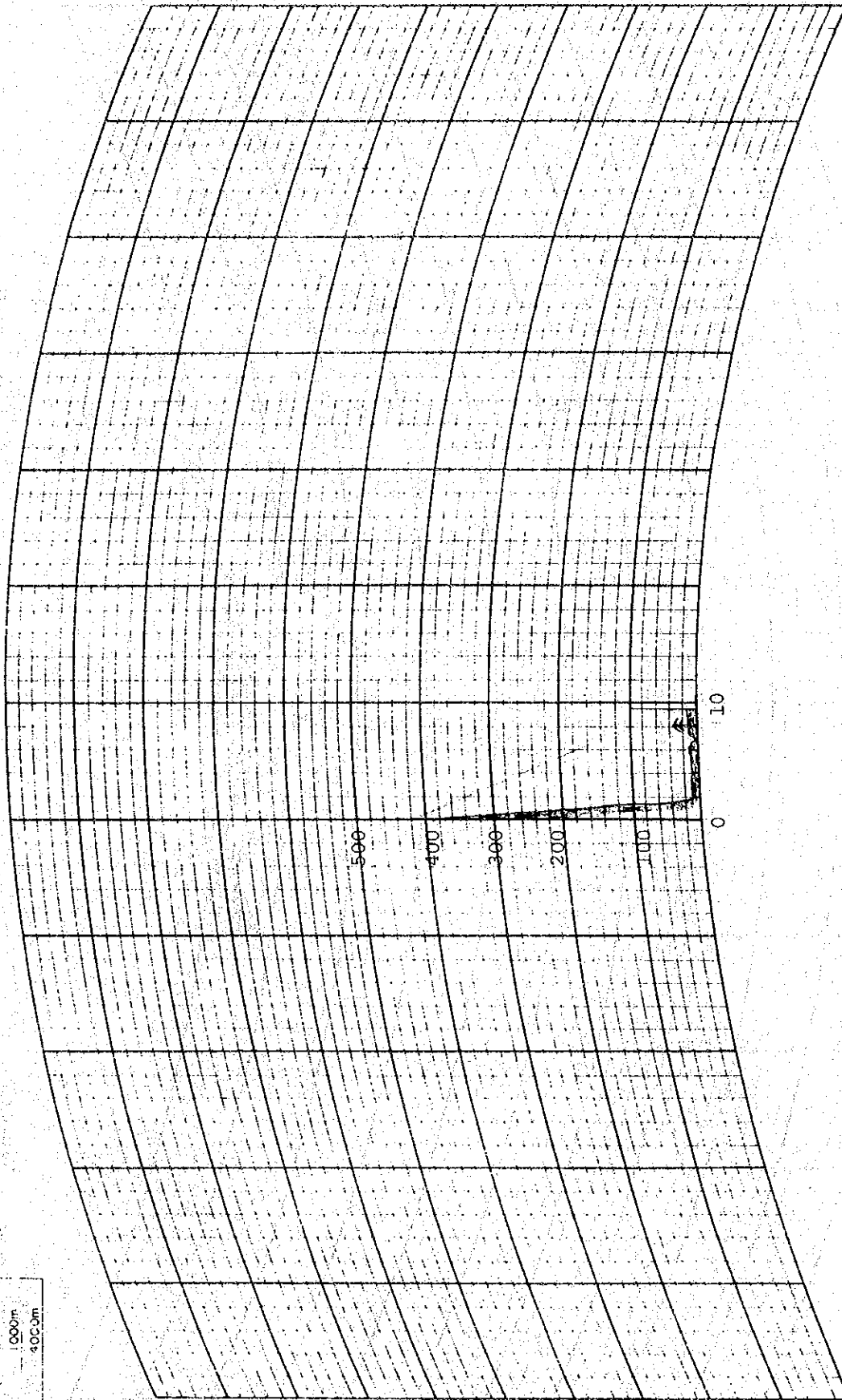
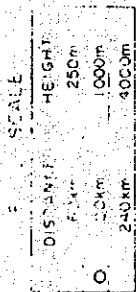
GROUND ELEVATION 5 m

ANTENNA HEIGHT 30 m

DISTANCE 18.2 km

Fig. VII-2-2-4(27/33)

PATH PROFILE (4/3 RADIUS)



SITE Socorro  
 GROUND ELEVATION: 15 m  
 ANTENNA HEIGHT: 20 m

DISTANCE: 9.7 km

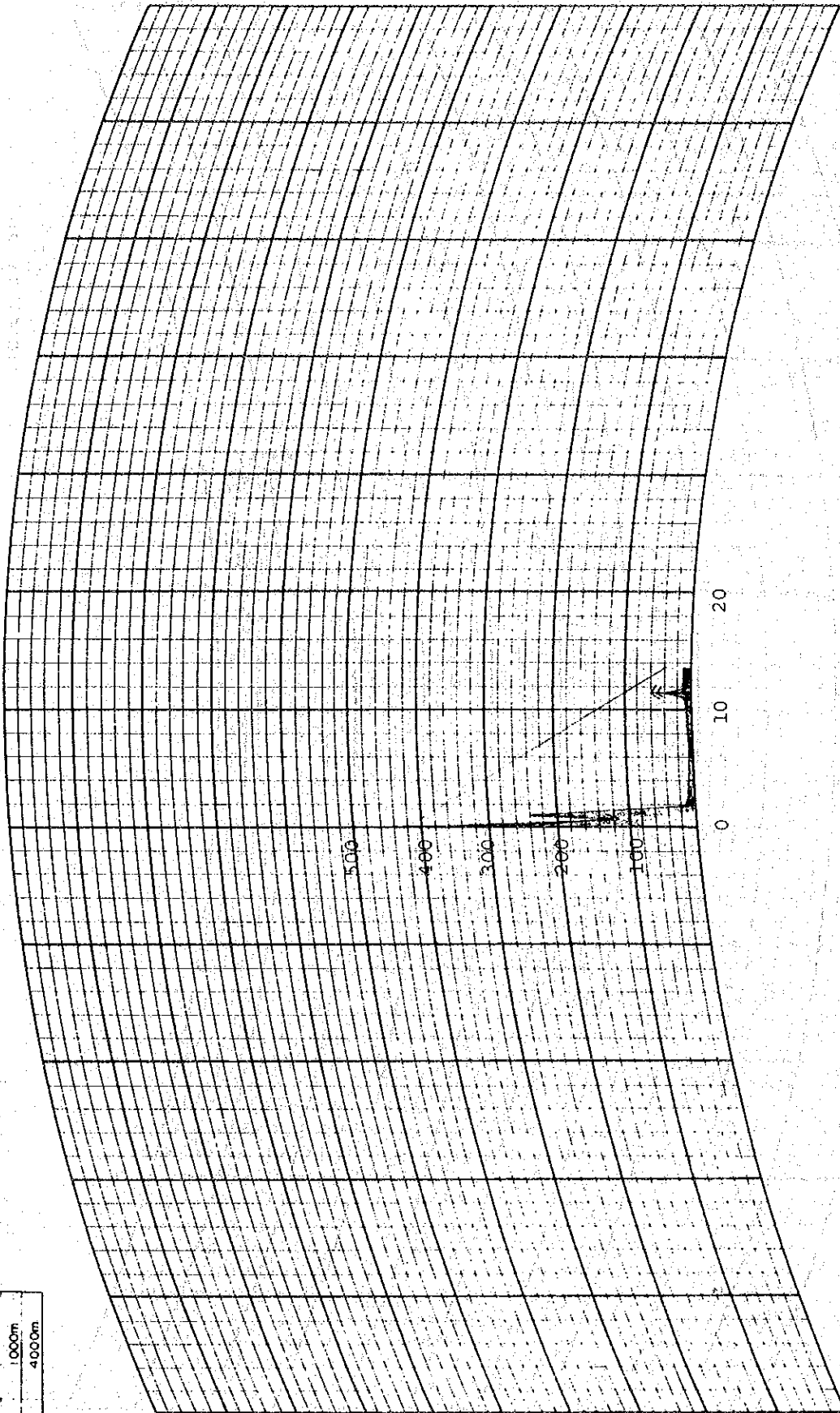
SITE Mt. Dumali R.S.  
 GROUND ELEVATION: 390 m  
 ANTENNA HEIGHT: 30 m

Fig. VII-2-2-4 (28/33)

PATH PROFILE ( 4/3 RADIUS )

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE Gloria  
 GROUND ELEVATION: 7 m  
 ANTENNA HEIGHT 30 m

DISTANCE: 13.4 km

SITE Mt. Dumali R.S.  
 GROUND ELEVATION: 390 m  
 ANTENNA HEIGHT 30 m

Fig. VII-2-2-4 (29/33)