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RECIP. NAME RECIPIENT AFFILIATION
STELLO, V. Office of the Executive Director for Operations

SUBJECT: Forwards "Turkey Point Plant Site-Specific Radiological Emergency Preparedness Alert & Notification Sys QA Verification." Alert & notification sys installed around plant-satisfies NUREG-0654/FEMA-REP-1, Rev 1 & FEMA-43.

"All kept".

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Federal Emergency Management Agency

Washington, D.C. 20472

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Cys ltr only:
Stello
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Grace, RII

Mr. Victor Stello, Jr.
Executive Director for Operations
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Stello:

The Federal Emergency Management Agency (FEMA) has completed an analysis of the prompt alert and notification system for the Turkey Point Plant located in Florida City, Florida. This review has been completed pursuant to Title 44 CFR, Part 350; selected evaluative criteria and Appendix 3 in NUREG-0654/FEMA-REP-1, Revision 1; and FEMA-43, the "Standard Guide for the Evaluation of Alert and Notification Systems for Nuclear Power Plants" (now published as FEMA-REP-10). The enclosed report, entitled "Turkey Point Plant Site-Specific Offsite Radiological Emergency Preparedness Alert and Notification System Quality Assurance Verification," summarizes the engineering design review; incorporates the results of the telephone survey of the public conducted immediately following full activation of the alert and notification system on December 17, 1985; and confirms the adequacy of the applicable evaluative criteria from NUREG-0654/FEMA-REP-1, Revision 1, and FEMA-43.

Based on the engineering design review and the results of the public telephone survey, FEMA has determined that the alert and notification system installed around the Turkey Point Plant satisfies the requirements of NUREG-0654/FEMA-REP-1, Revision 1, and FEMA-43. Therefore, there is now reasonable assurance that the system is adequate to promptly alert and notify the public in the event of a radiological emergency at the site. The caveat on the alert and notification system contained in the Title 44 CFR, Part 350 approval dated February 15, 1984, is now removed. The Honorable Bob Martinez, Governor of Florida has been advised of this approval.

Notwithstanding this approval, FEMA recommends that the State of Florida, Dade and Monroe Counties, and the Florida Power and Light Company consider increasing the frequency of the full-cycle tests of the Turkey Point alert and notification system to once a month. FEMA believes that additional full-cycle tests, at a monthly frequency, would provide an added degree of assurance of the continued readiness and operability of the Turkey Point alert and notification system.

Sincerely,

Dave McLoughlin
Deputy Associate Director
State and Local Programs
and Support

Enclosure

8709180378

TURKEY POINT PLANT
SITE-SPECIFIC OFFSITE RADIOLOGICAL EMERGENCY PREPAREDNESS ALERT AND NOTIFICATION SYSTEM QUALITY ASSURANCE VERIFICATION

Prepared for

Federal Emergency Management Agency
Washington, D.C. 20472
Under Contract No. EMW-83-C-1217

May 22, 1987

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Turkey Point Plant
Site-Specific Offsite Radiological
Emergency Preparedness Alert And Notification
System Quality Assurance Verification

State Of Florida

Dade County
Monroe County

I. INTRODUCTION

A. Identification

1. Site Information

The Turkey Point Plant is located on the east coast of Florida in Dade County, approximately 25 miles south of the City of Miami. The chain of islands known as the Florida Keys begins some 20 miles to the south of the site, at the end of the Florida peninsula.[1]

The surface of the land in the Turkey Point area is essentially flat and slopes very gently from sea level to a height of approximately 10 ft at a point 8 to 9 miles inland. The land in and around the site consists mostly of mangrove swamp extending along the entire coastline within 10 miles of the plant and extending inland for 3 to 4 miles.[1,2]

Homestead Air Force Base, an active military facility, is 5 to 6 miles northwest of the plant site. With the exception of this facility, the balance of all land within 6 miles of the plant site is marshland or lightly populated farmland. The area

beyond 6 miles from the plant site along an arc from the west through the north is highly developed, containing most of the population within 10 miles of the Turkey Point Plant.[2]

Five to 8 miles east of the plant site, across Biscayne Bay, is a string of barrier islands constituting the Biscayne National Monument. This chain of islands begins at Miami Beach on the north and extends to Key Largo at the south. These islands are undeveloped and sparsely inhabited, except for a group of private resort clubs on Key Largo.[1,2]

2. Governments Within The 10-Mile Emergency Planning Zone

The emergency planning zone (EPZ) for the Turkey Point Plant is defined by an irregular shape approximating a 10-mile-radius circle with the plant as the center point. The west-northwest portion of the EPZ was extended outward approximately 1 mile to incorporate the entire City of Homestead (1980 population 20,688) and the north portion was extended outward approximately 1.5 miles to incorporate the entire City of Cutler Ridge (1980 population 20,886). Roughly half of the EPZ is situated over Biscayne Bay and the Atlantic Ocean. The Turkey Point Plant EPZ contains portions of the State of Florida and Dade and Monroe counties.[2,3]

B. Scope Of Review

1. Emergency Plans For Offsite Response Organizations

All appropriate offsite radiological emergency plans and preparedness site-specific to the Turkey Point

Plant have been reviewed by the Federal Emergency Management Agency (FEMA) Region IV and the Regional Assistance Committee.

2. Alert And Notification System Design Report

The physical means established for alerting the public within the Turkey Point Plant EPZ are documented in the following:

- Florida Power and Light Company, "Public Alert and Notification System Report for the Turkey Point Plant," prepared by HMM Associates, Inc., December 1984 (hereinafter referred to as the Design Report).[2]

3. FEMA Evaluation Findings

The offsite radiological emergency plans and preparedness site-specific to the Turkey Point Plant received approval under Title 44 of the Code of Federal Regulations, Part 350 (44 CFR 350), conditioned upon verification of the adequacy of the public alert and notification system, as documented in the:

- Letter to the Honorable Robert Graham, Governor of Florida, signed by Samuel W. Speck, Associate Director, State and Local Programs and Support, FEMA, dated February 16, 1984;[4] and

- Letter to William J. Dircks, Executive Director for Operations, U.S. Nuclear Regulatory Commission, signed by Samuel W. Speck, Associate Director, State and Local Programs and Support, FEMA, dated February 15, 1984.[5]

II. FINDINGS FOR EVALUATION CRITERION E.6

The Design Report describing the alert and notification system for the Turkey Point Plant was reviewed against evaluation criterion E.6 and Appendix 3 of NUREG-0654/FEMA-REP-1, Revision 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants" (hereinafter referred to as NUREG-0654/FEMA-REP-1, Rev. 1). This evaluation criterion states:

> Each organization shall establish administrative and physical means, and the time required for notifying and providing prompt instructions to the public within the plume exposure pathway Emergency Planning Zone. (See Appendix 3.) It shall be the licensee's responsibility to demonstrate that such means exist, regardless of who implements this requirement. It shall be the responsibility of the State and local governments to activate such a system.[6]

The bases for review against this evaluation criterion were the corresponding acceptance criteria of FEMA-43, "Standard Guide for the Evaluation of Alert and Notification Systems for Nuclear Power Plants"[7] (hereinafter referred to as FEMA-43). This quality assurance verification review was performed to make a determination of alert and notification system adequacy prior to conducting a demonstration of this system for the Turkey Point Plant on December 17, 1985.

Based upon this quality assurance verification review and public survey results, International Energy Associates Limited concluded that the design and implementation of the alert and notification system for the Turkey Point Plant and its supporting procedures conformed sufficiently to the acceptance criteria, as stated in FEMA-43, for evaluation criterion E.6 of NUREG-0654/FEMA-REP-1, Rev. 1, to support a FEMA finding that the alert and notification system is adequate.

This portion of the quality assurance verification review evaluates the Turkey Point Plant's alert and notification system against FEMA-43 acceptance criteria in the following areas: the physical means of alerting and the special alerting methods.

A. Administrative Means Of Alerting (E.6.1, FEMA-43)

The administrative means of alerting for the Turkey Point Plant were evaluated by FEMA and the Regional Assistance Committee in their determination of adequacy under 44 CFR 350.[4,5]

B. Physical Means Of Alerting (E.6.2, FEMA-43)

As described in the Design Report, the physical means of alerting for the Turkey Point Plant consist of 38 fixed siren units and special alerting for residences on Key Largo.

1. Sirens (E.6.2.1, FEMA-43)

The Turkey Point Plant siren alerting system, as submitted in the Design Report, was evaluated in accordance with the design evaluation methodology detailed in "Analysis of Siren System Pilot Test."[8]

The siren system as analyzed consists of 38 Model WS-3000 rotating electronic sirens manufactured by Whelen Engineering Company, Inc.

Anechoic-chamber measured octave band sound pressure spectrums (supplied by the siren manufacturer) were used to verify the rated output of all of the sirens. The WS-3000 sirens are rated at 123 dBC at 100 ft.

Routine siren testing procedures and operability for the Turkey Point Plant have been reviewed and determined to satisfy FEMA-43 requirements.

The evaluation of the siren system design calculation procedure was conducted by:

- Verifying the design calculation procedure as presented in Section E.6.2.4.1 of the Design Report against the 10 dB loss per distance doubled attenuation rate in the absence of special conditions; and

- Ascertaining the adequacy of the design procedure in the presence of site-specific topographical and meteorological conditions through comparisons of the design procedure with the Outdoor Sound Propagation Model (OSPM)[8] results for specific sirens.

The siren alerting system design follows the 10 dB loss per distance doubled attenuation rate as recommended in NUREG-0654/FEMA-REP-1, Rev. 1, for situations in which special conditions are absent.

Section E.6.2.4.1 of the Design Report presents the following calculated theoretical siren ranges for the WS-3000 sirens:

Min. Sound Level dBC	Coverage Range Ft
60	7,880
70	4,780

These calculated ranges were then employed, along with the 38 siren locations, to generate the 60 dBC and 70 dBC coverage map (see Figure 14 of the Design Report). Population density distributions within the EPZ were presented in Section E.6.2.1.2 and Figure 14 of the Design Report.

This quality assurance verification review seeks to ascertain whether this design procedure, namely the 10 dB loss per distance doubled attenuation rate, adequately accounts for the site-specific terrain and weather conditions and whether the siren alerting system (as designed) does indeed meet the FEMA-43 acceptance criteria.

Fifteen sirens, 14 of which are depicted on the U.S. Geological Survey's Homestead quadrangle map (see Figure 1 of this report), were selected for this quality assurance verification review. This selection is representative of the site-specific topographical conditions around the more populated areas within the Turkey Point Plant EPZ.

Surface weather parameters, representative of site prevailing summer daytime conditions, were used in the OSPM calculations. Appendix A of this report contains OSPM topographical profile charts, OSPM topographical input, OSPM sound pressure level input, OSPM meteorological input, and OSPM sound pressure level output for each of the 15 individual siren runs.

To compare the ranging estimates of OSPM with the design procedure for each type of siren employed, the output dBC levels along each azimuth of the 15 analyzed sirens were classified into one terrain

category of relatively flat (generally unobstructed line-of-sight), since the land area is essentially flat, rising from sea level at the coast to no more than 12 ft elevation. In addition, a shadow zone category reflecting the influence of site weather conditions on the siren effective propagation range was used. Regressions of dBC versus the logarithm of distance were performed for the sirens over these two categories.

The OSPM regression results of the siren sound pressure levels are presented in Figures 2 and 3 of this report. Also depicted are the ranges of 60 dBC and 70 dBC as calculated by the licensee, as well as a 10 dB loss per distance doubled attenuation rate.

Several general observations can be made concerning the siren range comparisons. First, the 60 dBC and 70 dBC ranges estimated by the licensee are conservative over relatively flat terrains as compared to OSPM. Second, the 60 dBC and 70 dBC ranges estimated by the licensee are extremely liberal over the shadow zone category.

RANGE COMPARISONS

CATEGORY	70 dBC RANGE	60 dBC RANGE
FLAT		
OSPM	5,500 ft	>10,000 ft
Design Report	4,780 ft	7,880 ft
SHADOW		
OSPM	2,050 ft	2,950 ft
Design Report	4,780 ft	7,780 ft

FIGURE 2

COMPARATIVE OSPM RESULTS, RELATIVELY FLAT TERRAIN (WS3000 SIREN)

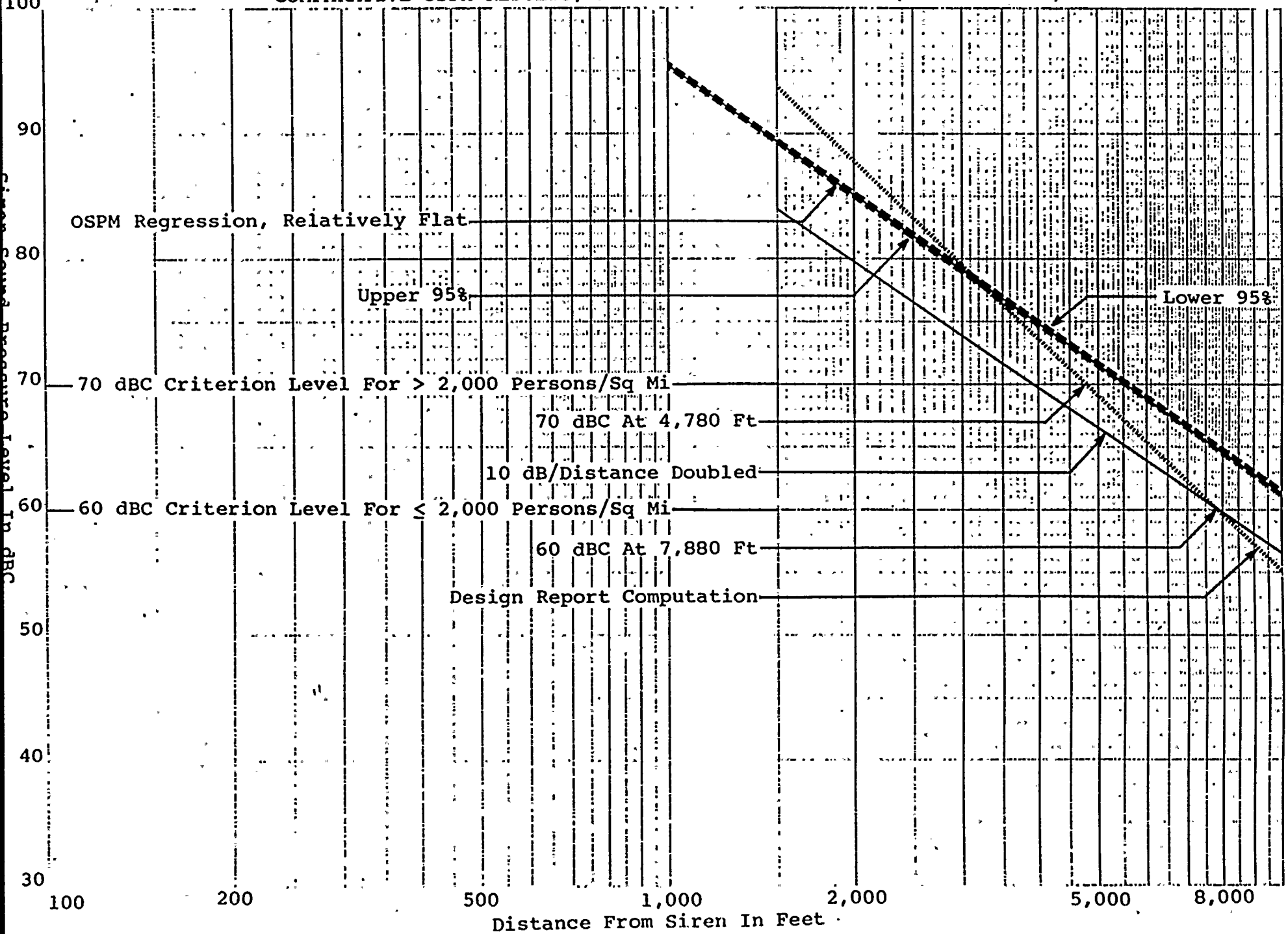
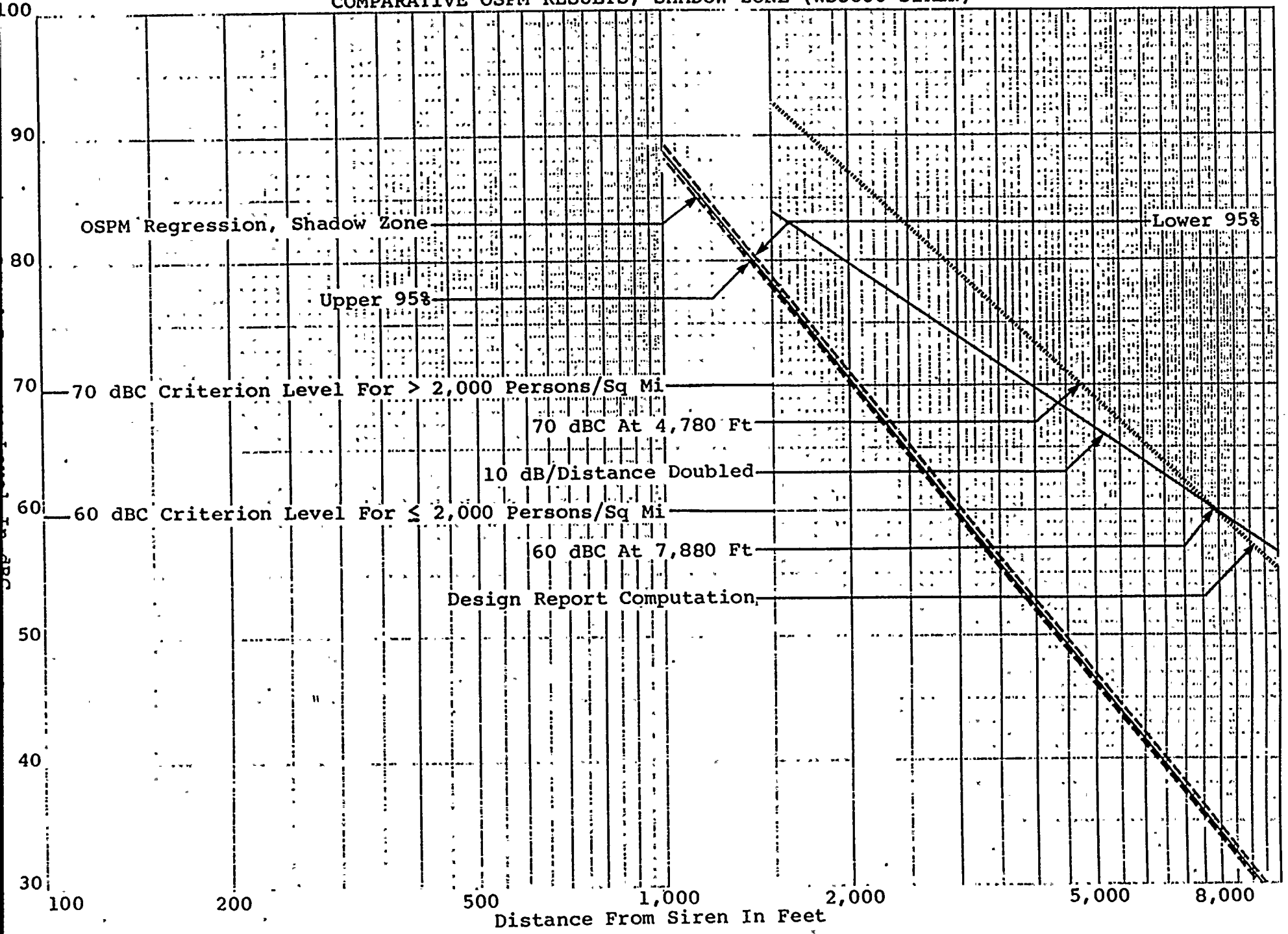


FIGURE 3

COMPARATIVE OSPM RESULTS, SHADOW ZONE (WS3000 SIREN)



For each siren located on the U.S. Geological Survey's Homestead quadrangle map (Figure 1 of this report), the area coverages of 60 dBC and 70 dBC were numerically integrated and averaged to assess the overall adequacy of the design on an area basis. The results are as follows:

AVERAGE AREA
(In Square Miles)

Siren	70 dBC	60 dBC
WS-3000	2.58	8.94

Using these results, the following average effective radii are derived:

EFFECTIVE RADIUS
(In Feet)

Siren	70 dBC	60 dBC
WS-3000	4,793 ft	8,909 ft

These derived radii confirm that, on the average, the Design Report siren ranges are adequate when site terrain and weather conditions are taken into account.

The results of the individual OSPM runs were combined to generate a comprehensive overview of the siren sound pressure levels over the Homestead area as depicted in Figure 1 of this report. A surface

interpolation and contouring program utilizing the output results of the 15 sirens was used to generate the sound pressure level contour overlays. These contours account for site-specific topographical and meteorological effects on the siren sound propagation.

These contours demonstrate that essentially all of the populated areas within the EPZ of the quadrangle selected for evaluation are expected to have a minimum of 60 dBC, and the area (Homestead) with more than 2,000 persons per square mile is expected to have a minimum siren sound pressure level of 70 dBC.

Comparisons of the OSPM-predicted 60 dBC and 70 dBC contours with the contours in Figure 14 of the Design Report indicate that the coverage of the sirens as calculated in the Design Report is adequate.

In conclusion, the Turkey Point Plant siren alerting system is found to meet the specific design requirements of FEMA-43.

2. Special Alerting (E.6.2.4, FEMA-43)

Special Alerting Methods (E.6.2.4.1, FEMA-43)

In addition to the 38 rotating electronic sirens, the primary public alert system encompasses special alerting for residences on Key Largo. Upon notification of an emergency at the Turkey Point Plant, Monroe County officials notify designated personnel at the Ocean Reef Club and have them implement their general emergency plan.[9]

A mini siren is installed in the guard house at the entrance to Key Largo's private clubs. The guard house is manned 24-hours a day and controls access to the clubs. Officials of the Ocean Reef Club are notified by telephone by the Monroe County Civil Defense Director or the Monroe County Sheriff's Office. Notification may also come over the mini siren. Upon notification the Ocean Reef Club security will be responsible for notifying residents by use of public address and siren units on seven security vehicles. The Assistant Director of security will alert residents in Area 1, the Duty Officer will alert residents in Area 2, and the Patrol Officer will alert residents in Area 3.[2,9]

Institutional Alerting (E.6.2.4.2, FEMA-43)

A number of provisions have been made for alerting of selected institutions where coordinated response to an emergency would be necessary. Homestead Air Force Base will be notified of an offsite release from the Turkey Point Plant through a hotline connecting the Homestead Consolidated Command Post (HCCP) with the Turkey Point Plant. Two isolated industrial sites on Card Sound Road have been provided with mini sirens. The mini sirens are small sirens installed in a guard house or office to alert the officials specifically responsible for an institution. In addition to producing warning sounds, the mini sirens also have a flashing strobe light as well as a public address capability. The mini sirens are controlled by the same RF-control system that operates the WS-3000 sirens for primary alerting of the general public.

The Florida Marine Patrol will provide notification to mariners within the 10-mile coastline, open water, and island areas. The Florida Game and Fresh Water Commission will provide notification to mariners within the 10-mile coastline and inland waterway areas.

To ensure prompt notification of transients in the Turkey Point Plant EPZ, information signs have been placed at public locations. These signs instruct people to tune to local radio or television stations and listen for information when they hear the siren system.

III. FINDINGS FOR EVALUATION CRITERION N.1

On December 17, 1985, the physical means (sirens) used to alert the population within the Turkey Point Plant EPZ were demonstrated to satisfy the alert and notification aspects of 44 CFR 350.9(a). This demonstration was conducted by using the methods specified in Section N.1.(a,b).2 of FEMA-43.[7] The results indicate that this portion of the alert and notification system evaluation conforms to FEMA-43 and NUREG-0654/FEMA-REP-1, Rev. 1.[6]

The December 17, 1985, demonstration of the Turkey Point Plant alerting system consisted of a double activation of all sirens, transmission of a voice message over the sirens and a subsequent telephone survey to estimate the proportion of EPZ households actually alerted. The first siren activation was initiated at approximately 6:15 p.m. (Eastern Standard Time) and continued for 5 minutes. A voice message was then transmitted using the sirens as a public address system. Transmission of the message began at approximately 6:20 p.m. and continued for about four minutes and thirty seconds. The sirens were activated a second time beginning at 6:25 p.m. and ending at 6:30 p.m. It was reported that siren number S25 failed to activate. All other sirens were reported to have operated properly during all activations.

The telephone survey of EPZ residences began at approximately 6:30 p.m. and was completed within 55 minutes. This survey was conducted by 43 telephone interviewers, each with a separate WATS line and computer terminal.

The universe of households to be surveyed was determined by establishing a 12-mile-radius circle around the latitude and longitude of the plant. All households known to be

outside the EPZ boundary (an irregular shape approximating a 10-mile-radius circle) were eliminated from the sample. The sample incorporated a sorted master list of approximately 2,600 households (addresses and telephone numbers) believed to be within the established boundary.

A sufficient number of replicated subsamples were developed from the overall sample to ensure that the required number of telephone calls would be made, i.e., to establish the proportion of households alerted to within a 5% precision at 95% confidence level. Appendix B of this report describes the method used for sizing the sample to achieve this result.

The English and Spanish questionnaires used for the telephone survey are included as Figures 4 and 5 of this report, respectively.

As part of the telephone survey, a total of 375 households believed to be within the Turkey Point Plant EPZ was contacted, and the responses were collected in an automated data base. Of this group, 111 respondents stated that they were not alerted. However, before running the final tabulations, addresses of all households interviewed were checked on a street map to validate their locations. Of the 375 addresses, 48 were outside the EPZ. Therefore, data were tabulated on the 327 respondent households that were located within the EPZ. Respondents at 31 of these households had been away from home at the time of the alerting system demonstration and, therefore, were not included in the alerting analysis. The siren coverage was analyzed to determine whether any of the fifty households where individuals were home during the demonstration but were not alerted was in the sole or primary coverage area of siren S25 which failed to operate properly. None of

FIGURE 4

#29500
lton Research Services
nor, Pennsylvania

Study #9201
December 17, 1985

OMB #3067-0103 (FEMA 9/86)
FEMA NUCLEAR POWER PLANT ALERTING
AND NOTIFICATION SYSTEM: PUBLIC TELEPHONE
SURVEY

Turkey Point

Time Began _____ AM _____ PM

Time Ended _____ AM _____ PM

Interview # _____ (1-5)

Zip Code _____ (6-10)

Sample Type _____ (11)

RECORD BEFORE DIALING -Telephone # _____
(Area Code) (Exchange) (Number) (12-21)

INTRODUCTION:

Hello, my name is _____. We're calling households long distance from Chilton Research Services as part of a survey. This survey is sponsored by The ral Emergency Management Agency (FEMA) of the United States Government in cooperation Dade County.
Your answers are voluntary and will be kept strictly confidential.

1. First of all, is this (REPEAT # DIALED)?

	Yes	1
TERMINATE AND DIAL AGAIN	No	2

2. As you may or may not know, there was a test of the siren system for the Turkey Point Nuclear Power Plant. Did you, or any other member of this household, hear a signal from this test today?

22-

SKIP TO Q. 4	Yes	1
SKIP TO Q. 4A	No	2
CONTINUE	Heard from another source	3
ASK IF ANY OTHER HOUSEHOLD MEMBER IS MORE KNOWLEDGEABLE	Don't Know	9

FIGURE 4 (CONTINUED)

. What did you or your household hear? (DO NOT READ. CIRCLE ALL THAT APPLY)

(23-25)

SKIP TO 0. 4	A siren	1
	Neighbor told me	2
	Other family member told me	3
	Other (SPECIFY) _____	9
CONTINUE	Don't Know	Y

a. Did you hear . . . (READ LIST. CIRCLE ALL THAT APPLY)

(30-32)

	A Siren	1
	From a Neighbor	2
	From Another Family Member	3
	Or by means of something else (SPECIFY) _____	9
DO NOT READ	Don't Know	Y

. (IF "HEARD EMERGENCY SIGNAL" ASK 0. 4 BELOW; OTHERWISE SKIP TO 0. 4A)

Were you at home or away from home when you heard the siren signal?

37-

SKIP TO 0. 5	Home	1
	Away From Home	2

FIGURE 4 (CONTINUED)

4A. (IF "DID NOT HEAR EMERGENCY SIGNAL")

Were you at home between 6:15 and 6:45 this evening?

38-

Yes	1
No	2
Don't Know	Y

5. Information about what to do in an actual emergency at the Turkey Point Nuclear Power Plant is contained in a blue and white packet of information titled "Emergency Measures". Has your household received this information?

41-

Yes	1
No	2
Don't Know	Y

Because we need to determine whether or not you live within the 10 mile Emergency Planning Zone of the Turkey Point Nuclear Power Plant, would you please give me this address? (PAUSE FOR ANSWER)

ADDRESS:

_____

_____

and the nearest intersection (or cross street) to this house.

_____

Also, what community is this?

_____

On behalf of Chilton Research Services and the Federal Emergency Management Agency, I would like to thank you for your time and for giving us this valuable information.

FIGURE 5

29640

SPANISH

Chilton Research Services
Radnor, Pennsylvania

Study #9201
December 17, 1985

OMB #3067-0103 (FEMA 9/85)
FEMA NUCLEAR POWER PLANT ALERTING
AND NOTIFICATION SYSTEM: PUBLIC TELEPHONE
SURVEY

TURKEY POINT

Time Began _____ AM _____ PM

Time Ended _____ AM _____ PM

Interview # _____ (1-5)

Zip Code _____ (6-10)

Sample Type _____ (11)

RECORD BEFORE DIALING -Telephone # _____
(Area Code) (Exchange) (Number) (12-21)

INTRODUCCION:

Buenos dias (noches). Estamos llamando residencias a larga distancia de Chilton Research Services como parte de un estudio. Este estudio es patrocinado por la Agencia Federal de Emergencia (FEMA) del gobierno de los Estados Unidos.
Sus repuestas son voluntarias y se mantendran en confianza estricto.

1. Primero, llame el numero (REPEAT # DIALED)?

	Yes	1
TERMINATE AND DIAL AGAIN	No	2

2. Como Ud. puede saber o no, habia una prueba de la sistema de sirena para el Turkey Point Nuclear Power Plant. Ud. o algun miembro de su familia oyo algun senal de esta prueba hoy?

22-

SKIP TO Q.4	Yes	1
SKIP TO Q. 4A	No	2
CONTINUE	Heard from another source	3
ASK IF ANY OTHER HOUSEHOLD MEMBER IS MORE KNOWLEDGEABLE	Don't Know	8

FIGURE 5 (CONTINUED)

3. Como Ud. supo de esta senal de emergencia? (DO NOT READ. CIRCLE ALL THAT APPLY)

(23-29)

SKIP TO Q. 4	siren	1
	neighbor told me	2
	other family member told me	3
	Other (SPECIFY) _____ _____ _____	4
CONTINUE	Don't Know	Y

3A. De que manera supo . . . (READ LIST. CIRCLE ALL THAT APPLY)

(30-35)

	de Sirena	1
	de un vecino	2
	de algun otro miembro de familia	3
	(O otra manera) (SPECIFY) _____ _____ _____	4
DO NOT READ	Don't Know	Y

4. (IF "HEARD EMERGENCY SIGNAL" ASK Q. 4 BELOW; OTHERWISE SKIP TO Q. 4A)

Estaba en casa o fuera de la casa cuando Ud. supo de esta senal de emergencia?

37-

SKIP TO Q. 5	Home	1
	Away from home	2

FIGURE 5 (CONTINUED)

4A. (IF "DID NOT HEAR EMERGENCY SIGNAL") Estaba en casa durante la media hora de 6:15 a 6:45 esta noche?

Yes	1
No	2
Don't Know	Y

5. Información sobre que debe hacer en caso de una emergencia verdadera en el Turkey Point Nuclear Power Plant es contenido en una paqueta blanca y azul de información, con el titulo "Emergency Measures". ¿Ha recibido en su casa esta información?

41 -

Yes	1
No	2
Don't Know	Y

6. Por razon determinar si Ud. vive o no vive en los limites de 10 millas de La Zona de Planificacion de Emergencia. Por favor me daria esta direccion? (PAUSE FOR ANSWER)

ADDRESS:

_____

_____

y que es la interseccion mas cerca de su casa o calle principal?

_____

y en que comunidad vive Ud.?

_____

Por la compania Chilton Research Services y la Agencia Federal de Emergencia, quisiera agradecer a Ud. por su tiempo y para darnos esta informacion importante.

these households could be verified as being in the sole or primary coverage area of siren S25. Of the remaining 296 households, 83.1% (246) indicated that they had been alerted during the demonstration. Using the estimated number of households within the EPZ (31,376 from reference 10) in the confidence interval expression in Appendix B, an estimated 95% confidence interval that ranges from 78.4% to 86.9% is yielded for the proportion of the total EPZ population alerted. In other words, at the 95% confidence level, between 78.4% and 86.9% of the households within the Turkey Point Plant EPZ would have stated that they were alerted by the siren system.

The sample of 327 households was also used to estimate the proportion of households within the EPZ that would have stated they received information about what to do in a real emergency at the Turkey Point Plant. Of these 327 households, 31.5% (103) responded that they had received the information, 61.2% (200) responded that they had not received the information, and 7.3% (24) did not know whether they had received the information. Using the approach discussed previously, the following estimates for the entire EPZ population resulted (at the 95% confidence interval):

- Between 26.7% and 36.7% of the households would have reported receiving the information;

- Between 55.8% and 66.3% of the households would have responded that they had not received the information; and

- Between 5.0% and 10.7% of the households would not have known whether they had received the information.

In conclusion, no areas of the Turkey Point Plant siren system were identified as needing enhancements. However, the relatively low percentage of households that stated that they had received information about what to do in a real emergency at the Turkey Point Plant indicates a possible need for enhanced distribution of emergency information, public education, or both.

IV. FINDINGS FOR EVALUATION CRITERIA E.5, F.1, N.2, N.3, AND N.5

Those aspects of the alert and notification system addressing evaluation criteria E.5, F.1, N.2, N.3, and N.5 of NUREG-0654/FEMA-REP-1, Rev. 1, have been reviewed by FEMA and found to be adequate to provide reasonable assurance that appropriate protective measures can be taken off site in the event of a radiological emergency. This conclusion is documented in letters to the Honorable Robert Graham, Governor of Florida, signed by Samuel W. Speck, Associate Director, State and Local Programs and Support, FEMA, dated February 16, 1984;[4] and William J. Dircks, Executive Director for Operations, U.S. Nuclear Regulatory Commission, signed by Samuel W. Speck, Associate Director, State and Local Programs and Support, FEMA, dated February 15, 1984.[5] In these letters, the Turkey Point Plant received FEMA approval under 44 CFR 350, conditioned on an ultimate approval and verification of the public alert and notification system as called for in NUREG-0654/FEMA-REP-1, Rev. 1.

REFERENCE LIST

1. Florida Power and Light Company. 1985. "Updated final safety analysis report." February 1985.

2. Florida Power and Light Company. 1984. "Public alert and notification system report for the Turkey Point Plant." Prepared by HMM Associates, Inc. December 1984.

3. U.S. Department of Commerce, Bureau of the Census. 1983. 1980 census of population. Volume 1, Chapter A, Part 1, "United States summary." PC80-1-A1. April 1983.

4. Federal Emergency Management Agency. 1984. Letter to the Honorable Robert Graham, Governor of Florida, signed by Samuel W. Speck, Associate Director, State and Local Programs and Support. February 16, 1984.

5. Federal Emergency Management Agency. 1984. Letter to William J. Dircks, Executive Director for Operations, U.S. Nuclear Regulatory Commission, signed by Samuel W. Speck, Associate Director, State and Local Programs and Support. February 15, 1984.

6. Nuclear Regulatory Commission and Federal Emergency Management Agency. 1980. "Criteria for preparation and evaluation of radiological emergency response plans and preparedness in support of nuclear power plants." NUREG-0654/FEMA-REP-1. Revision 1. November 1980.

7. Federal Emergency Management Agency. 1983. "Standard guide for the evaluation of alert and notification systems for nuclear power plants." FEMA-43. September 1983.

8. International Energy Associates Limited. 1983. "Analysis of siren system pilot test." IEAL-333. November 2, 1983.

9. Florida Department of Community Affairs. 1983. Letter to Glenn C. Woodard, Jr., Chief, Natural and Technological Hazards Division, Federal Emergency Management Agency Region IV, signed by Gordon L. Guthrie, Chief, Division of Public Safety Planning and Assistance. (With enclosures.) July 25, 1983.

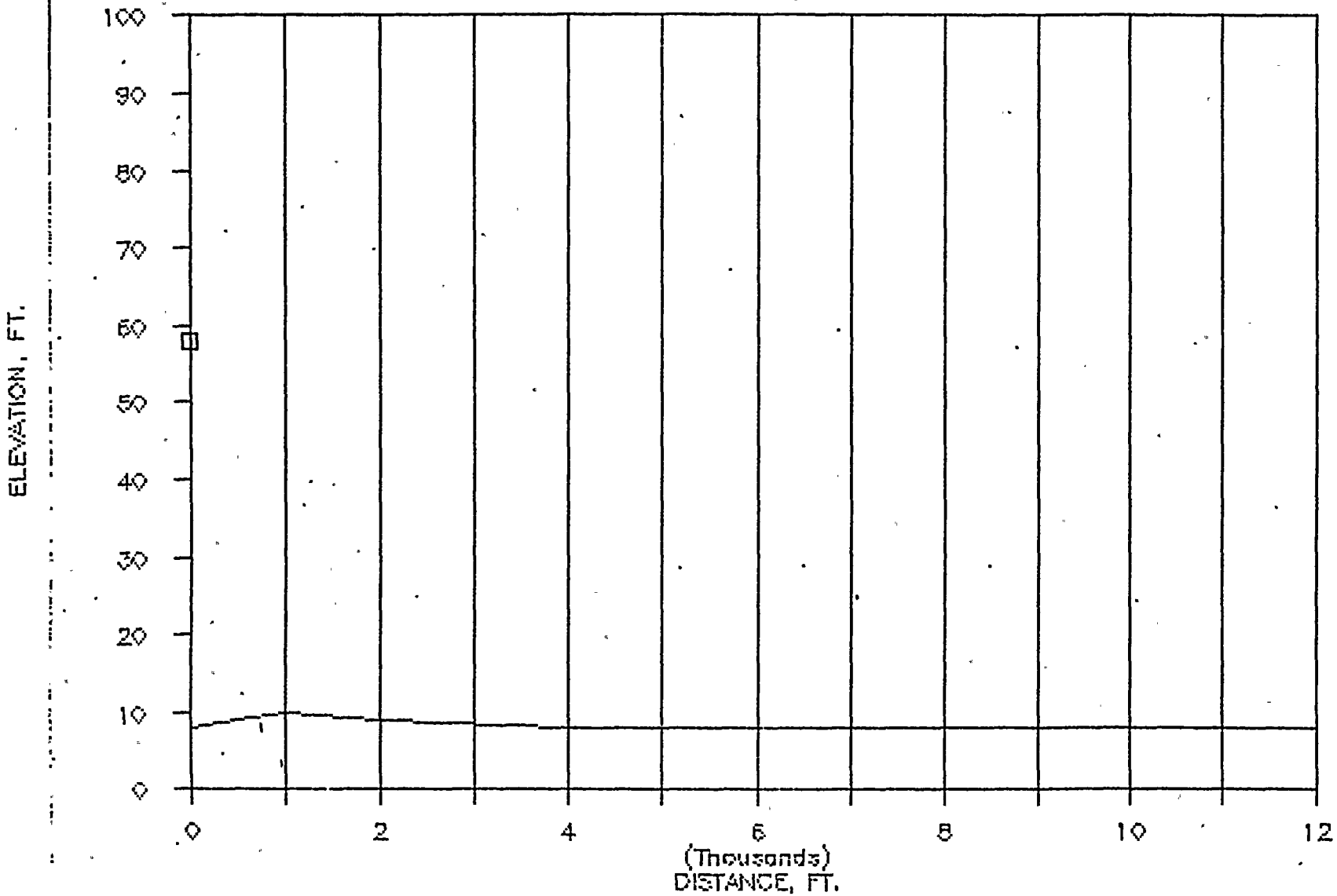
10. Donnelley Marketing Information Service. 1985. "American profile." October 22, 1985.

APPENDIX A

OSPM Topographical Profile Charts
OSPM Topographical Input Data
OSPM Siren Sound Pressure Level Input Data
OSPM Meteorological Input Data
OSPM Siren Sound Pressure Level Output Data

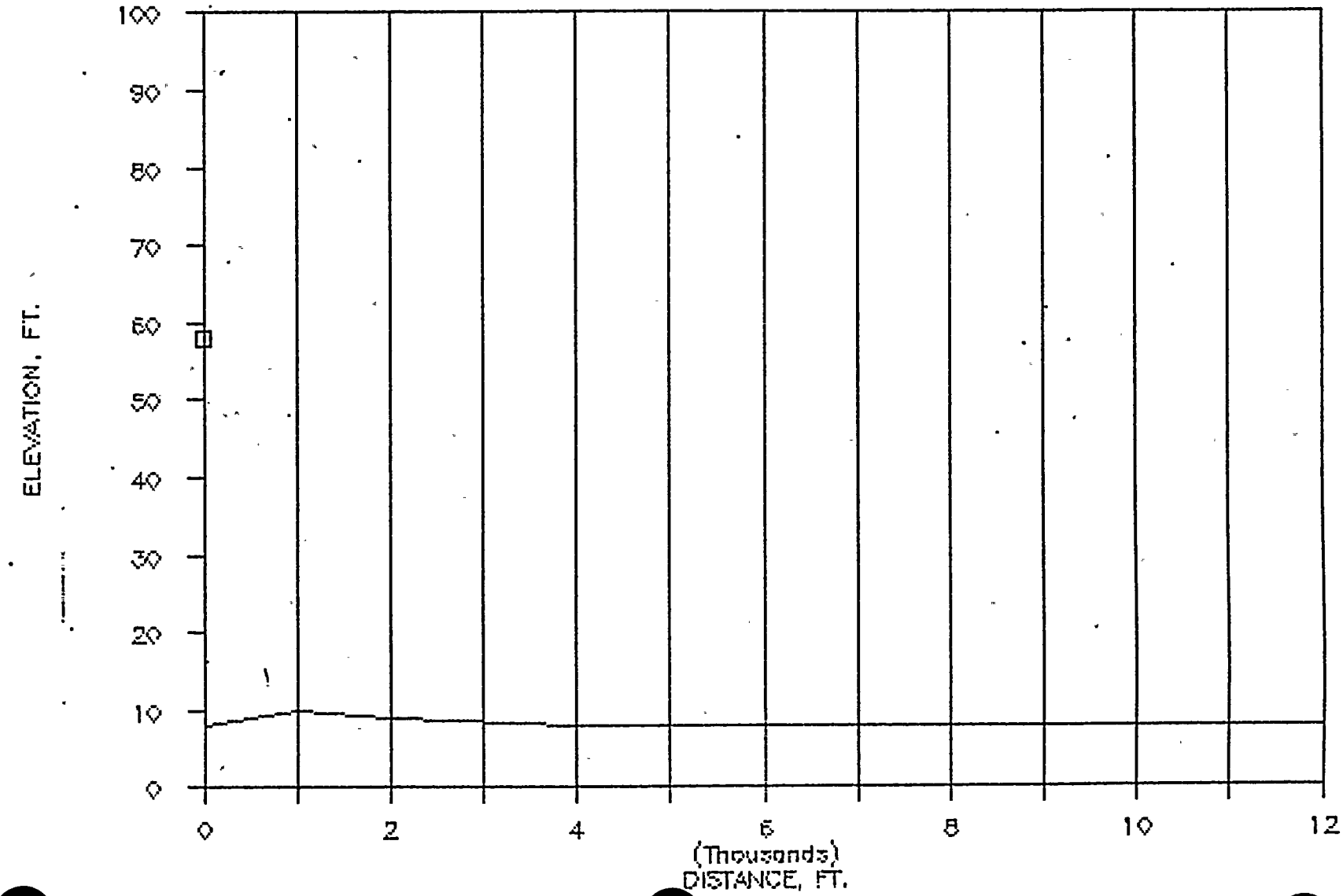
TURKEY POINT 7

AZIMUTH, E



TURKEY POINT 7

AZIMUTH, ENE



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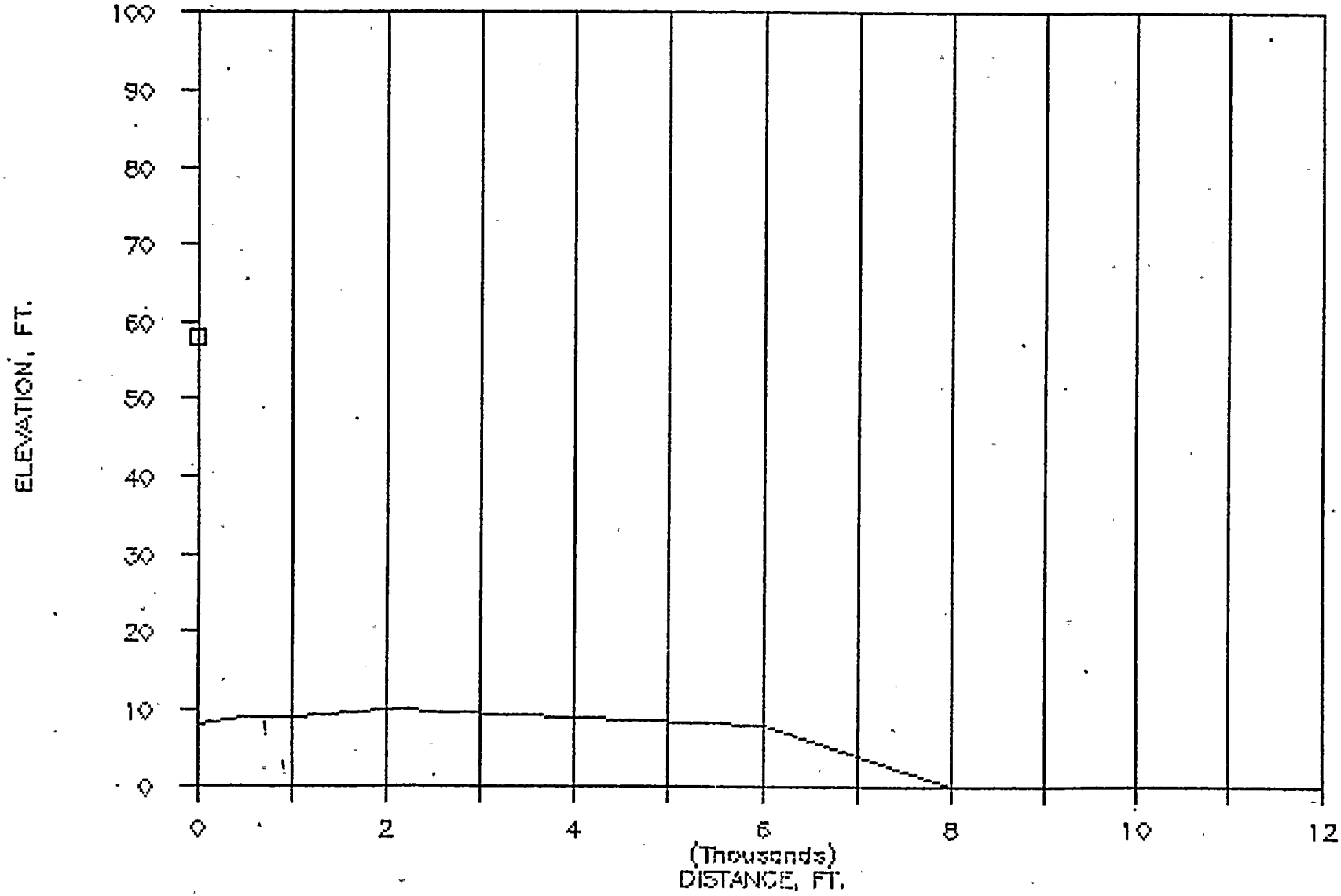
AZIMUTH, NE



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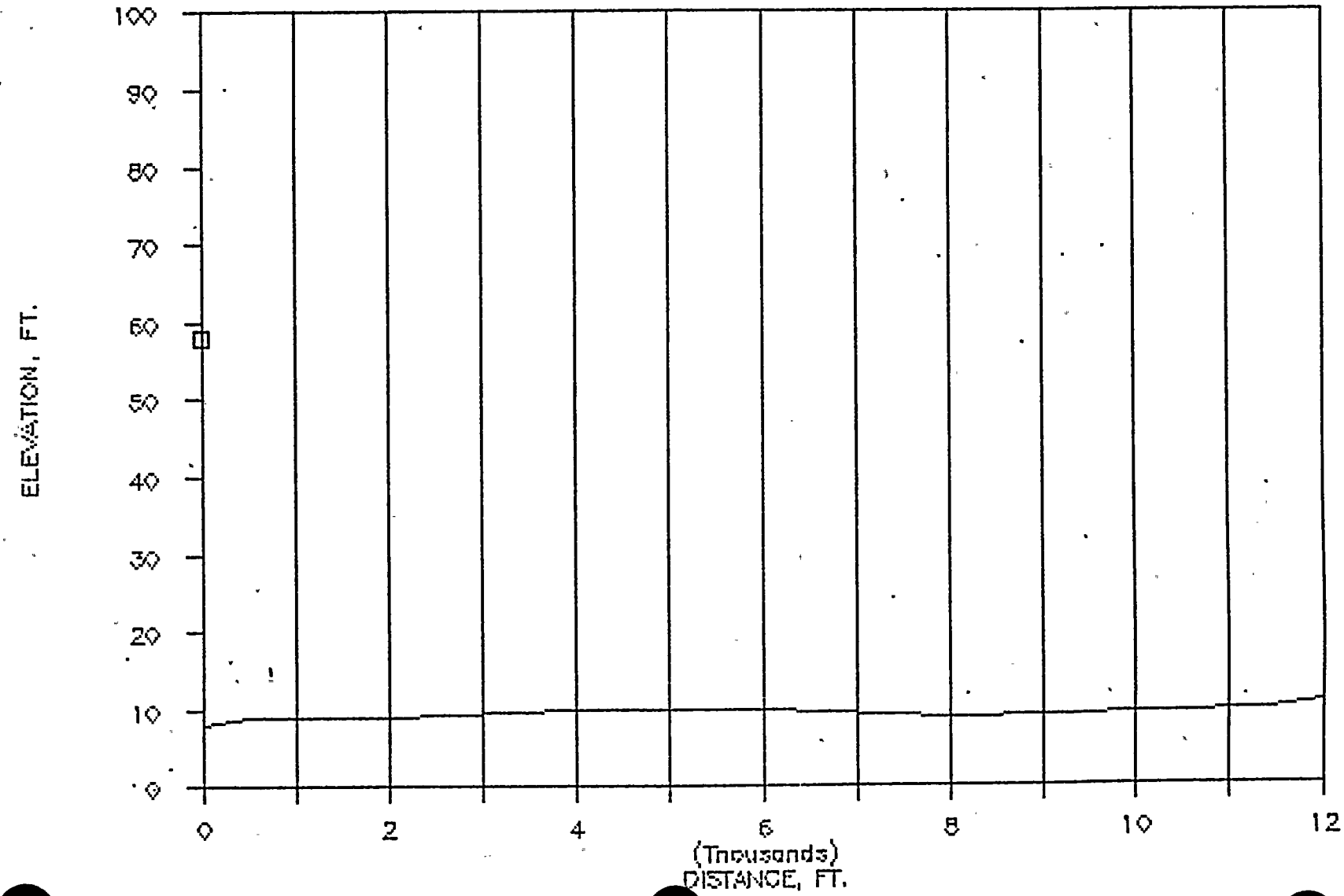

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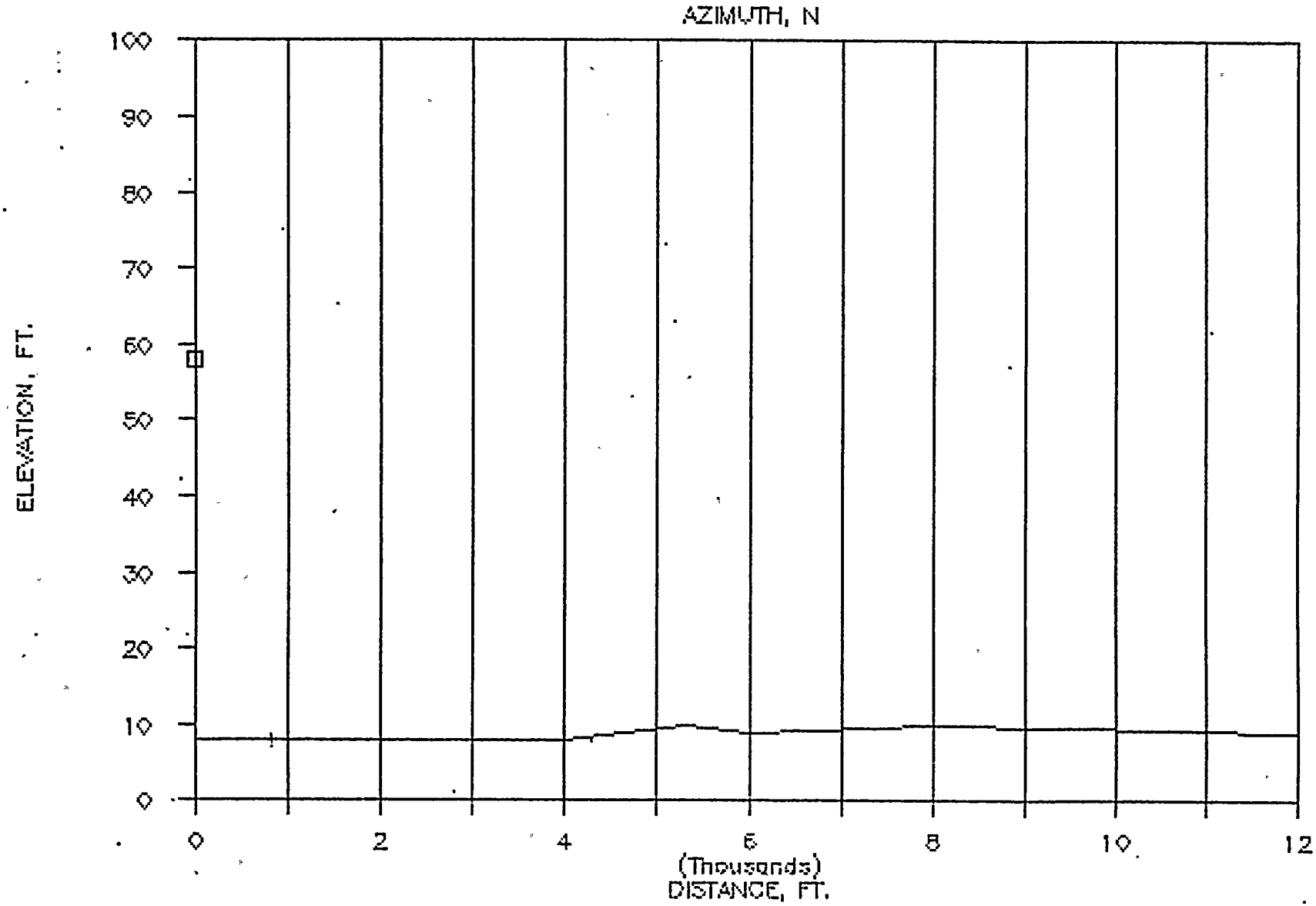

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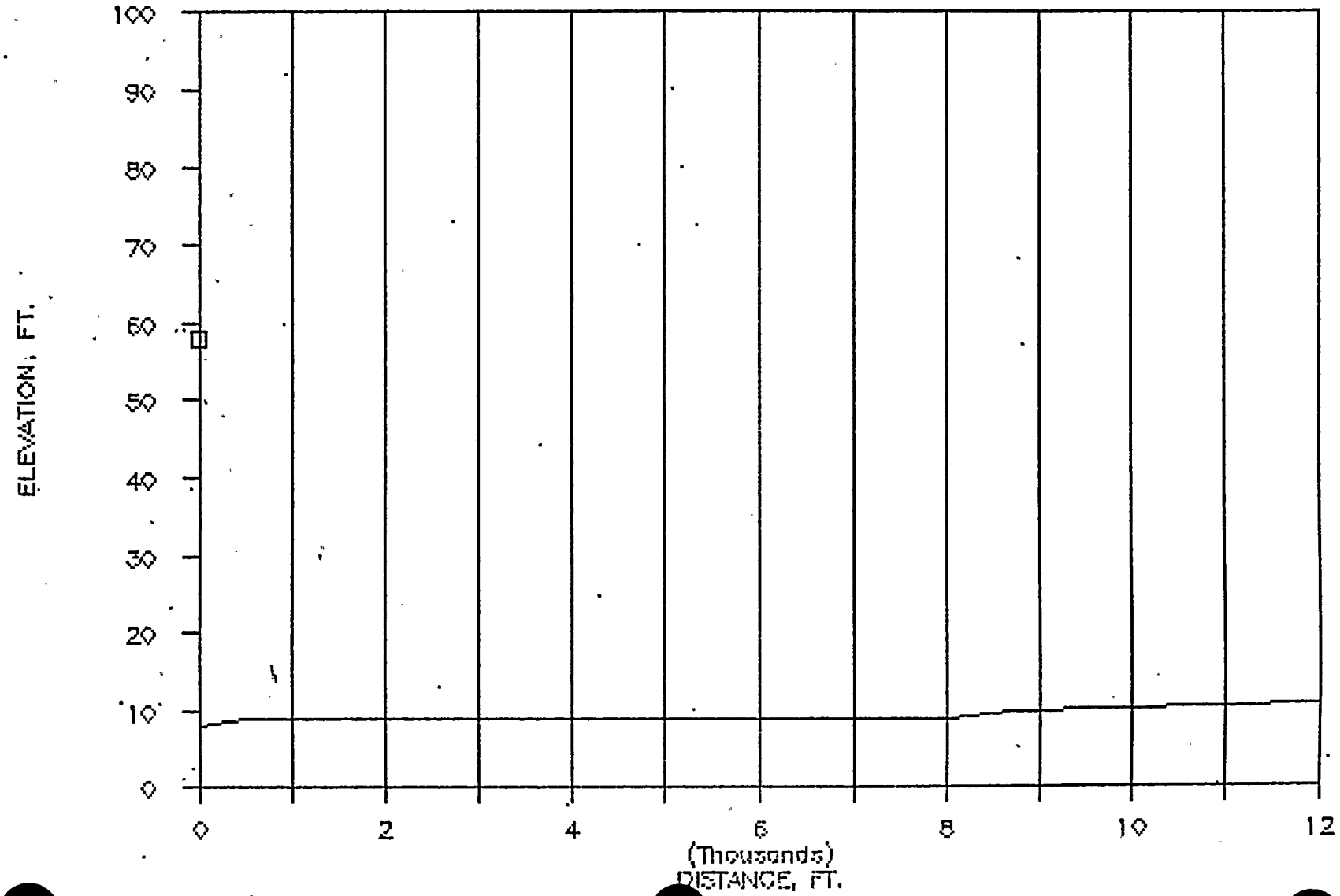

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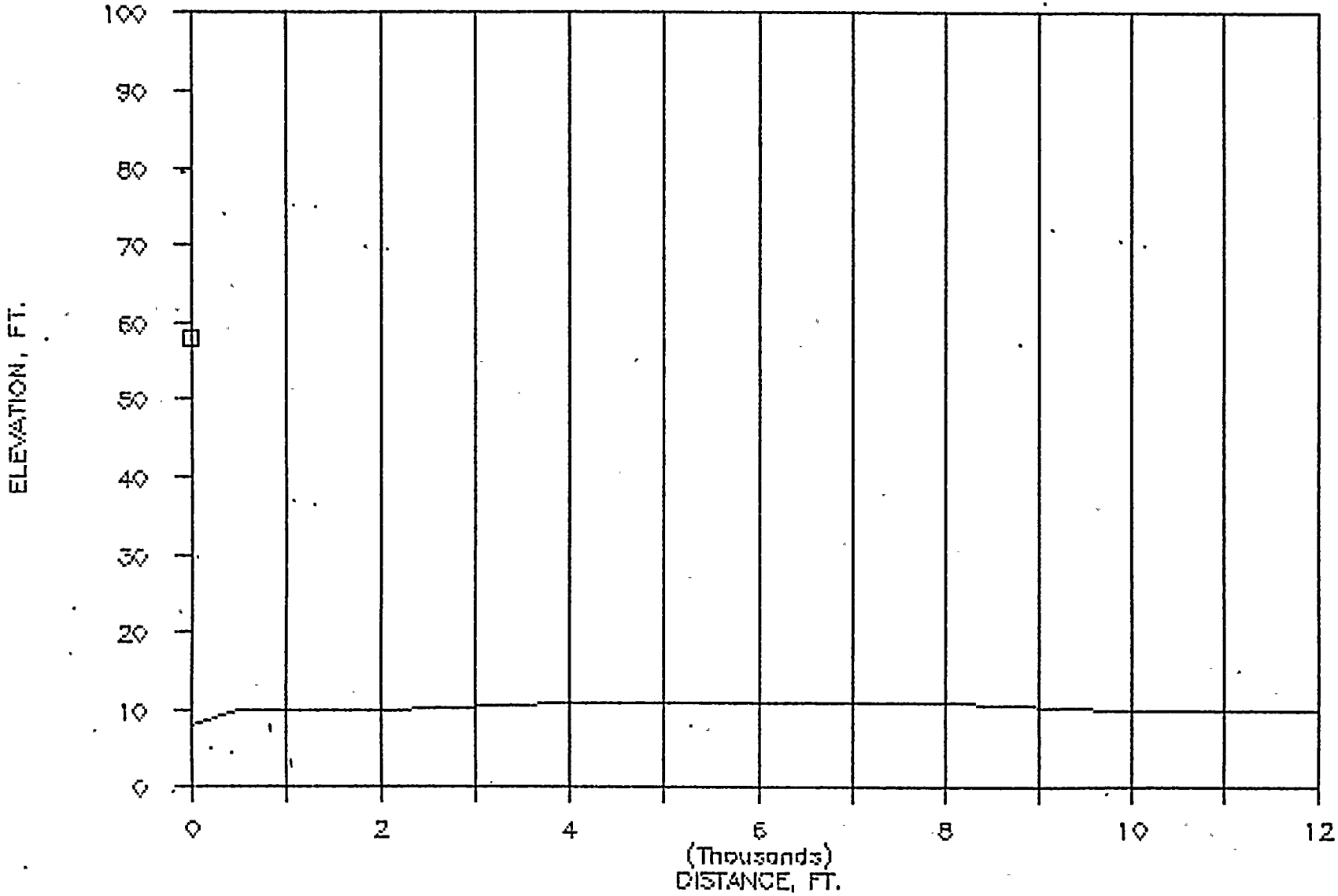

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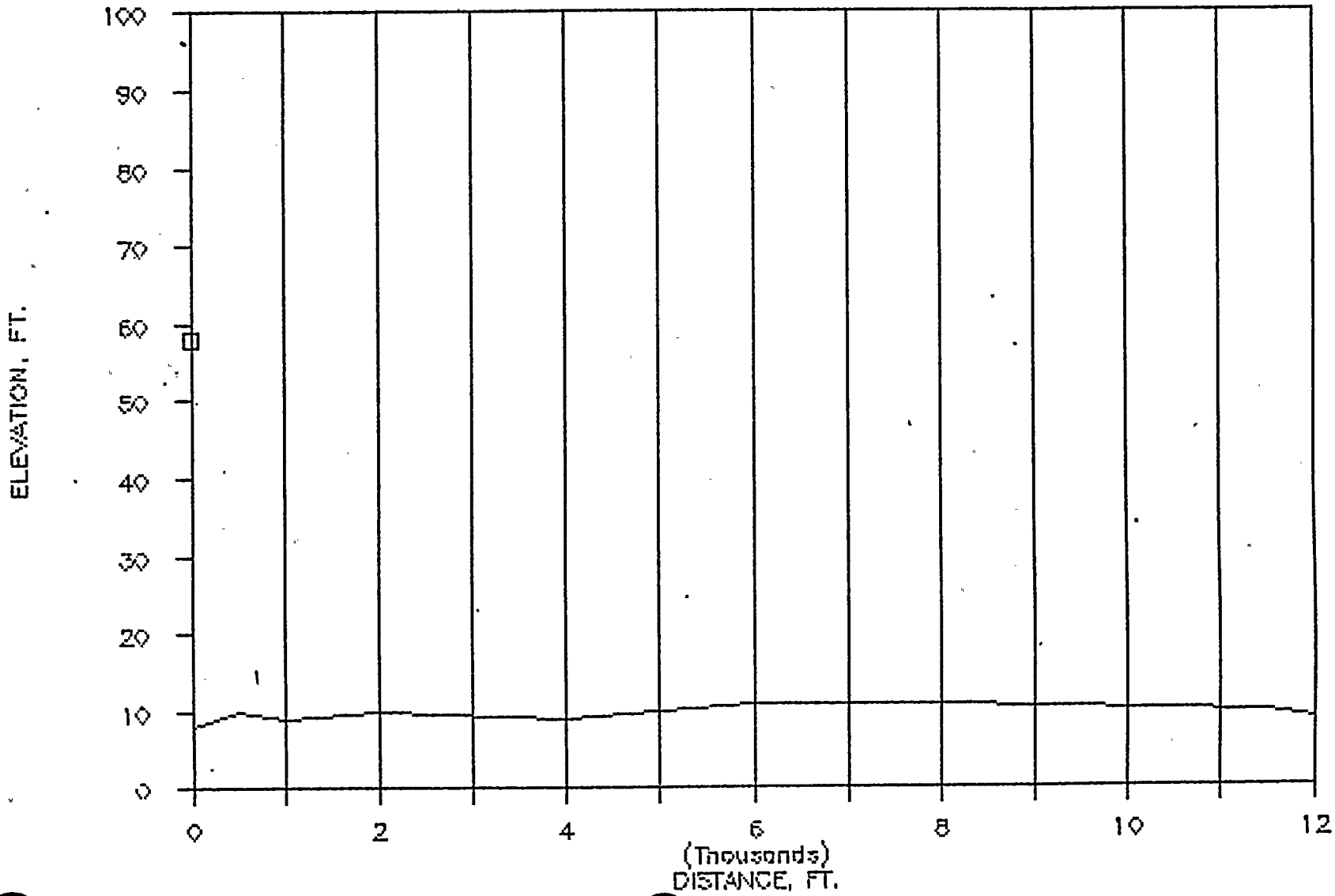

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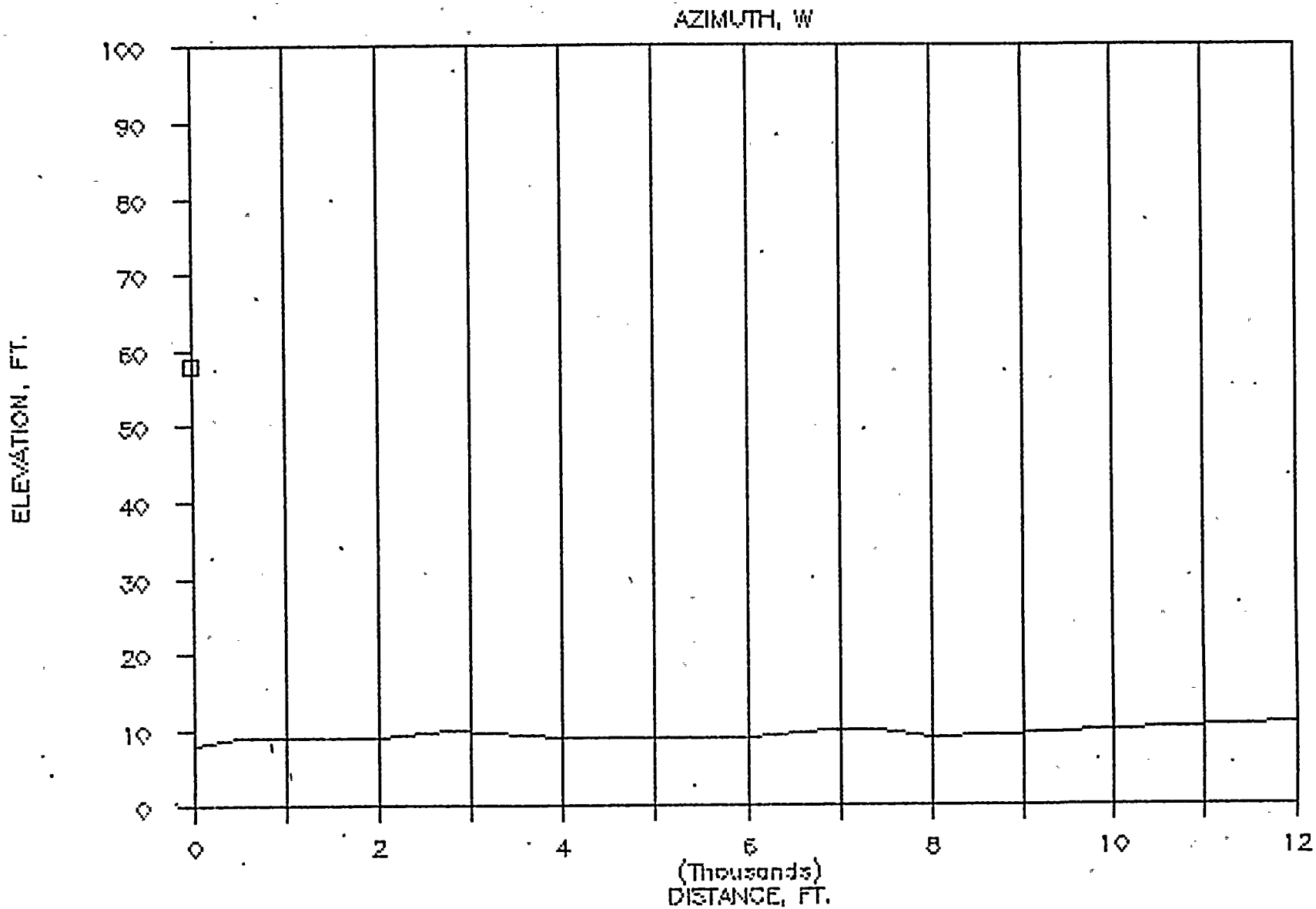

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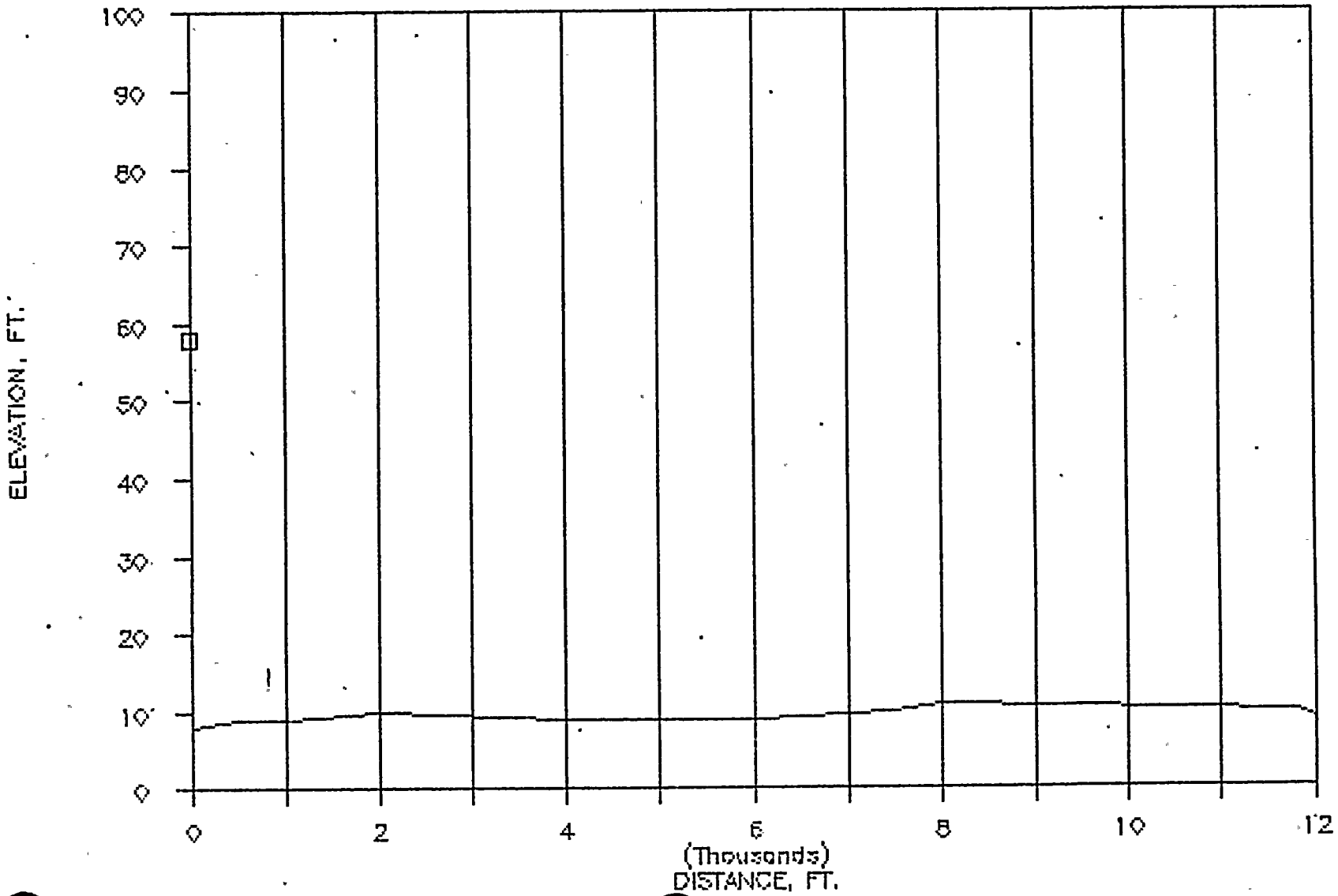

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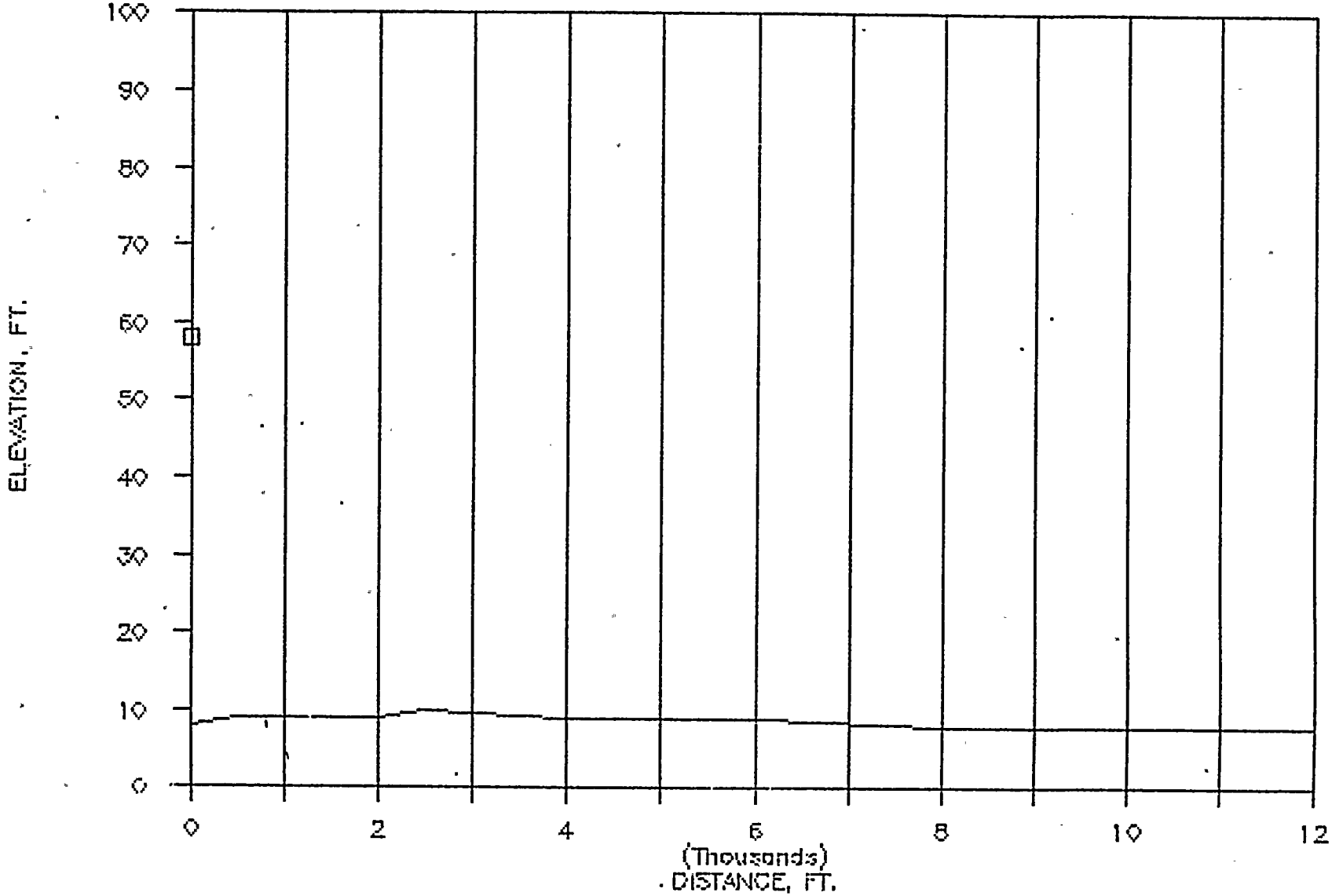

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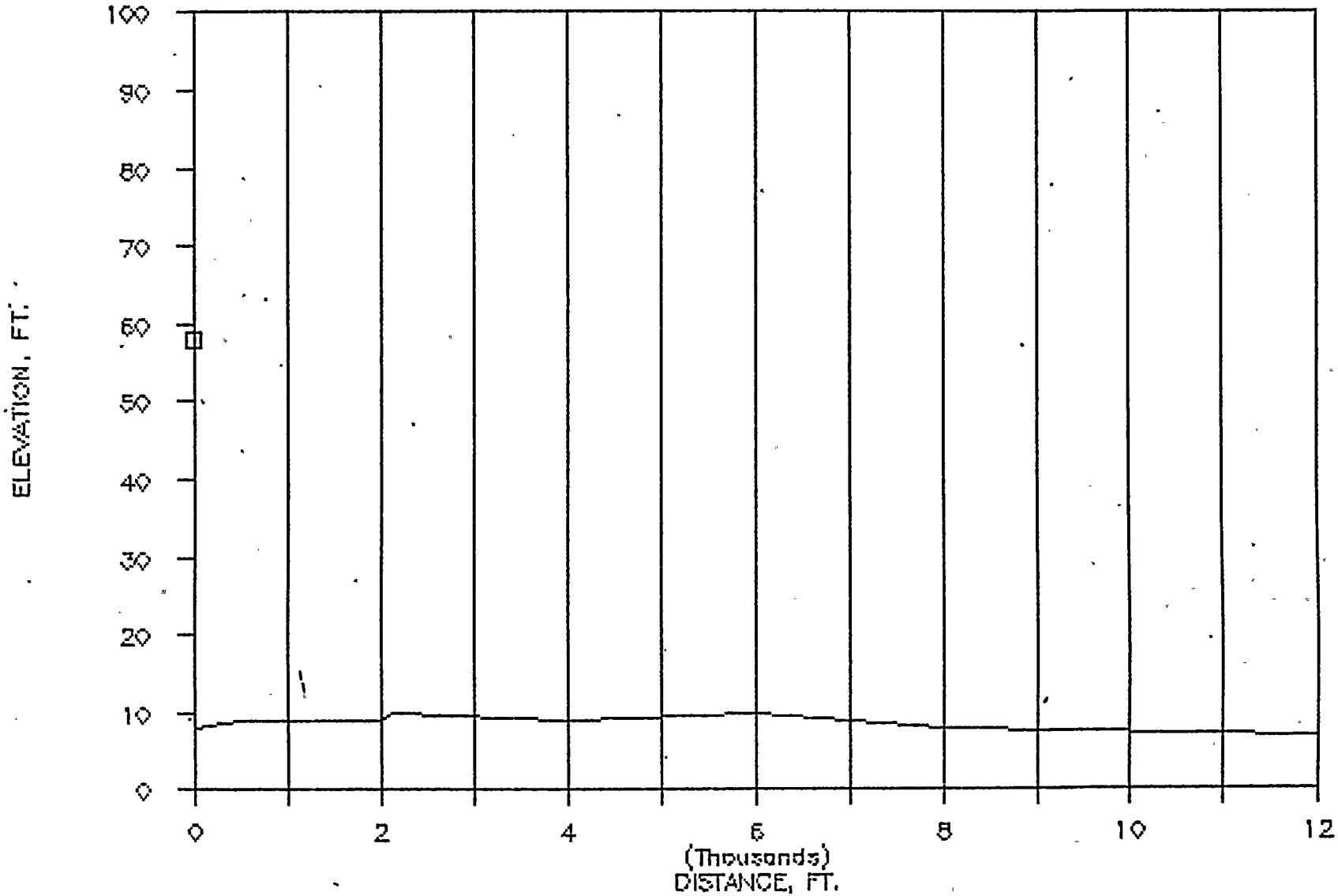

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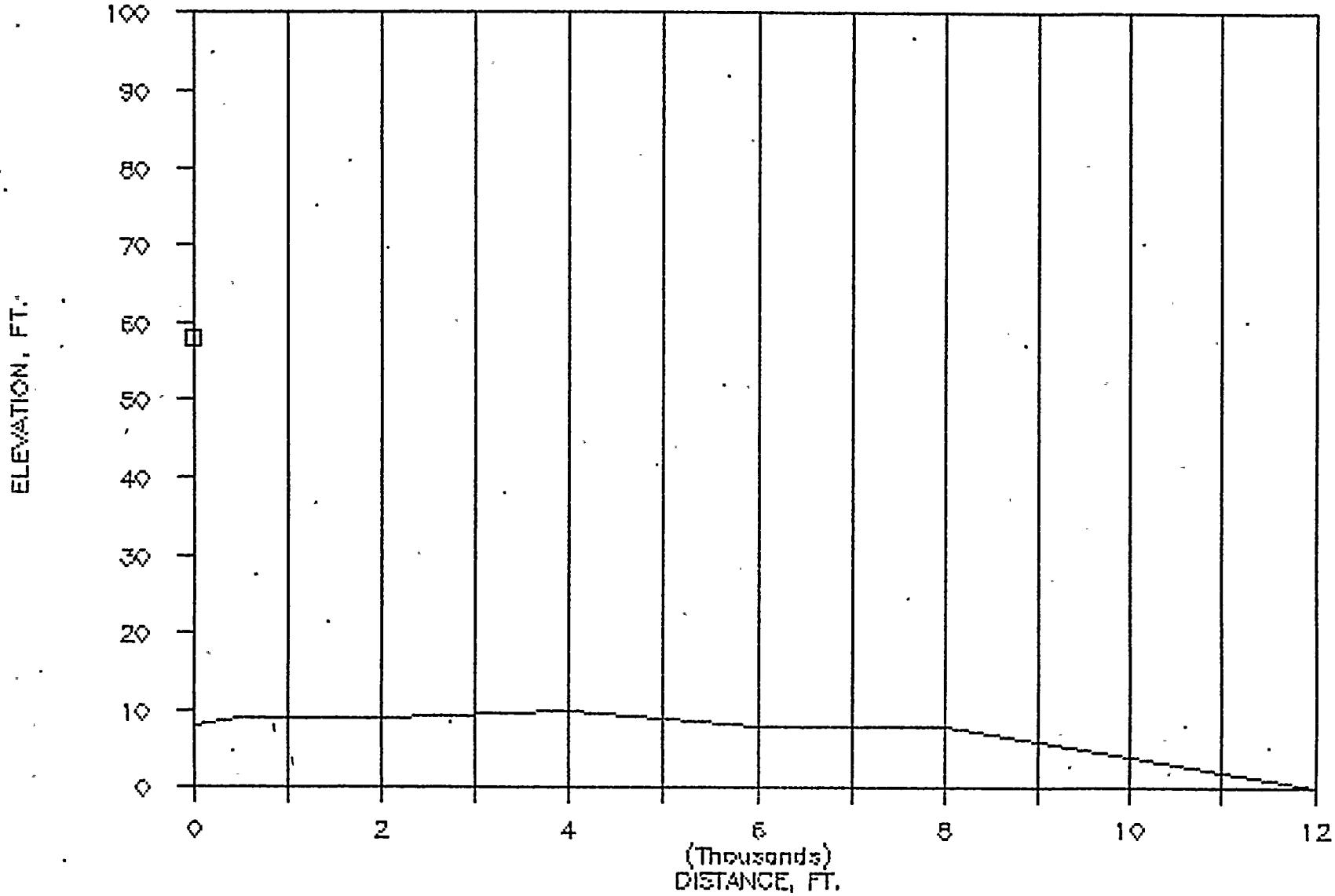
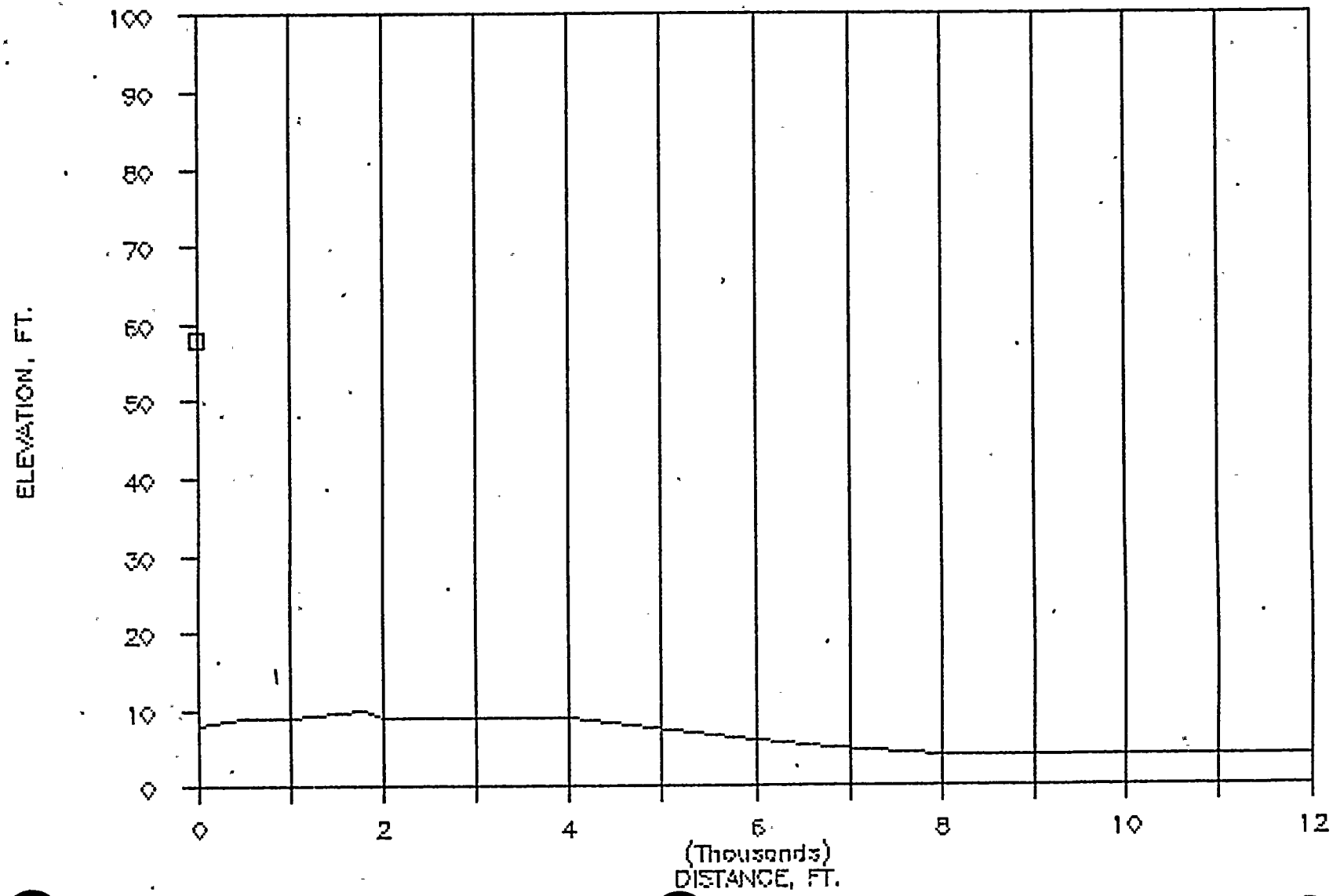


TURKEY POINT 7

AZIMUTH, SSE



TURKEY POINT 7

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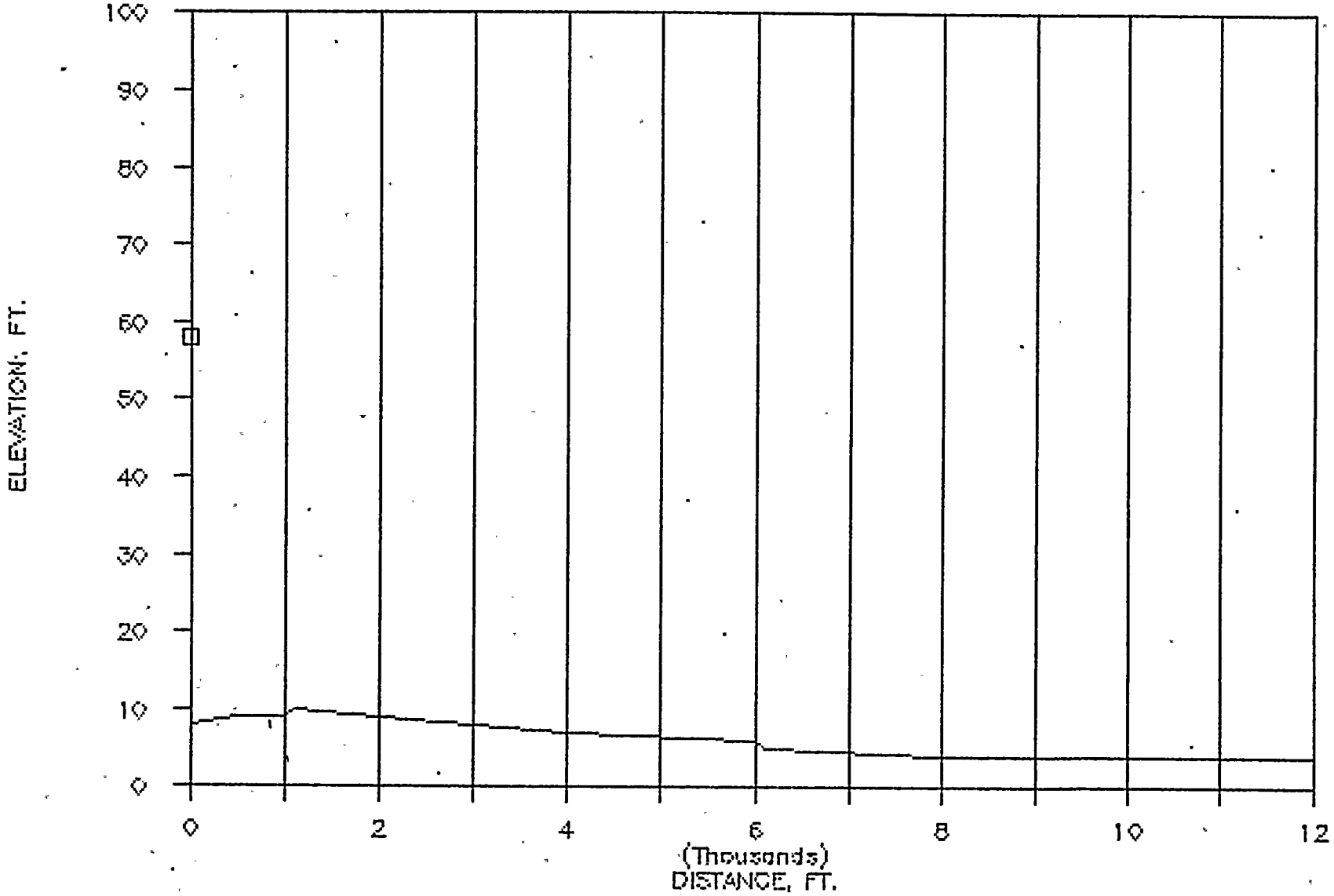
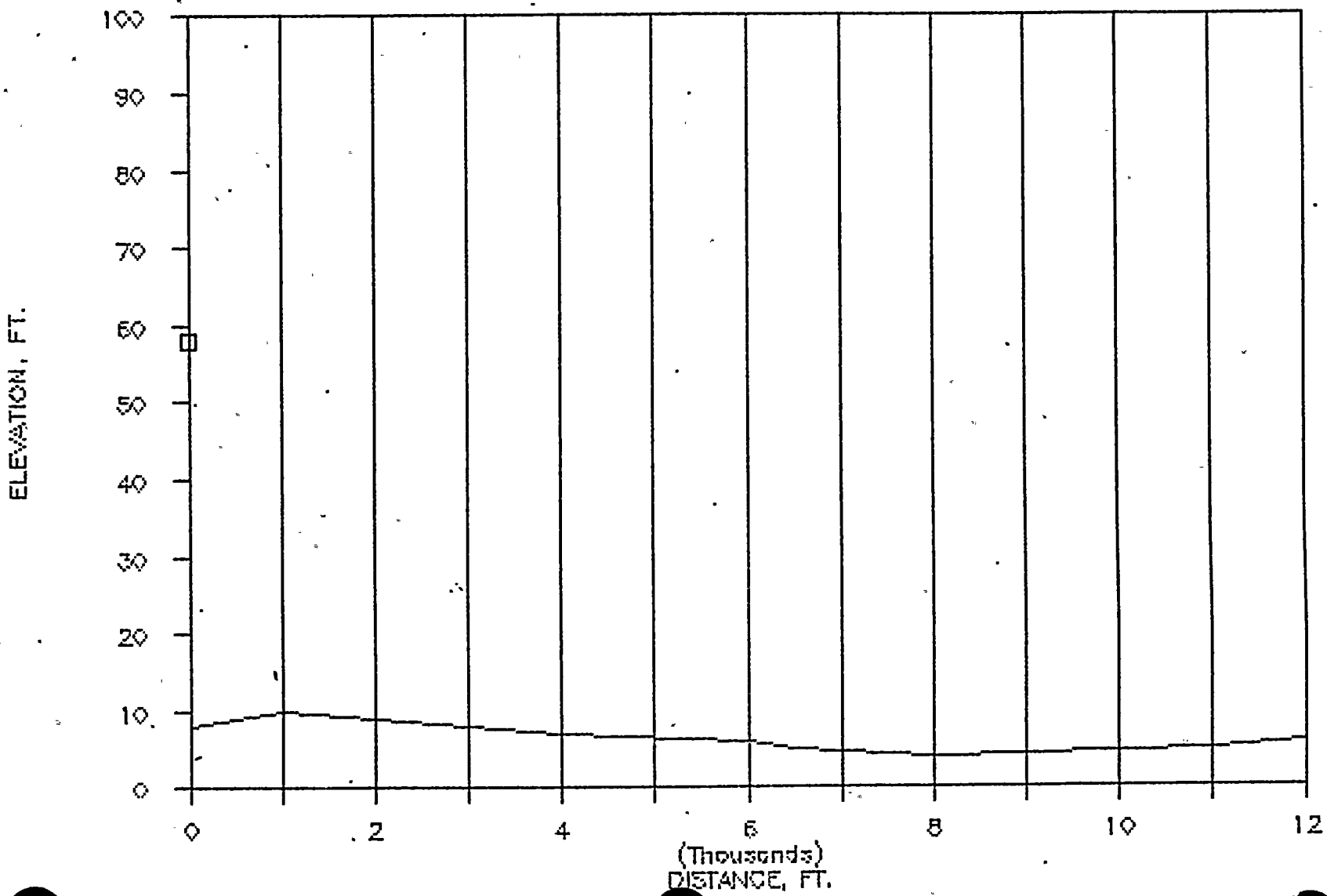


TURKEY POINT 7

AZIMUTH, ESE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #7-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	9.00	HARD	0.	NO	0.	0.
2	1000.	90.00	10.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	9.00	HARD	0.	NO	0.	0.
4	4000.	90.00	8.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	8.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	8.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	8.00	SOFT	0.	NO	0.	0.
8	500.	67.50	9.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	10.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	9.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	9.00	HARD	0.	NO	0.	0.
12	6000.	67.50	8.00	HARD	0.	NO	0.	0.
13	8000.	67.50	8.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	8.00	SOFT	0.	NO	0.	0.
[illegible]	500.	45.00	9.00	SOFT	0.	NO	0.	0.
[illegible]	1000.	45.00	9.00	SOFT	0.	NO	0.	0.
[illegible]	2000.	45.00	10.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	9.00	HARD	0.	NO	0.	0.
19	6000.	45.00	8.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	8.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	8.00	SOFT	0.	NO	0.	0.
22	500.	22.50	9.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	9.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	9.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	10.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	10.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	9.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	11.00	SOFT	0.	NO	0.	0.
29	500.	.00	8.00	SOFT	0.	NO	0.	0.
30	1000.	.00	8.00	SOFT	0.	NO	0.	0.
31	2000.	.00	8.00	SOFT	0.	NO	0.	0.
32	4000.	.00	9.00	SOFT	0.	NO	0.	0.
33	6000.	.00	9.00	SOFT	0.	NO	0.	0.
34	8000.	.00	10.00	SOFT	0.	NO	0.	0.
35	12000.	.00	9.00	SOFT	0.	NO	0.	0.
36	500.	337.50	9.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	9.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	9.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	9.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	9.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	9.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	11.00	SOFT	0.	NO	0.	0.
43	500.	315.00	10.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	10.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	10.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	11.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	11.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	11.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	10.00	SOFT	0.	NO	0.	0.
50	500.	292.50	10.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	9.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	10.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	9.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	11.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	11.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	9.00	SOFT	0.	NO	0.	0.
57	500.	270.00	9.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	9.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	9.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	9.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	9.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	9.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	11.00	SOFT	0.	NO	0.	0.
64	500.	247.50	9.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	9.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	10.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	9.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	9.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	11.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	9.00	SOFT	0.	NO	0.	0.
71	500.	225.00	9.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	9.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	9.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	9.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	9.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	8.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	8.00	SOFT	0.	NO	0.	0.
78	500.	202.50	9.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	9.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	9.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	9.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	10.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	8.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	7.00	SOFT	0.	NO	0.	0.
85	500.	180.00	9.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	9.00	SOFT	0.	NO	0.	0.
[illegible]	2000.	180.00	9.00	SOFT	0.	NO	0.	0.
[illegible]	4000.	180.00	10.00	SOFT	0.	NO	0.	0.
[illegible]	6000.	180.00	8.00	SOFT	0.	NO	0.	0.
90	8000.	180.00	8.00	SOFT	0.	NO	0.	0.
91	12000.	180.00	6.00	SOFT	0.	NO	0.	0.
92	500.	157.50	9.00	SOFT	0.	NO	0.	0.
93	1000.	157.50	9.00	SOFT	0.	NO	0.	0.
94	2000.	157.50	9.00	SOFT	0.	NO	0.	0.
95	4000.	157.50	9.00	SOFT	0.	NO	0.	0.
96	6000.	157.50	6.00	SOFT	0.	NO	0.	0.
97	8000.	157.50	4.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	4.00	SOFT	0.	NO	0.	0.
99	500.	135.00	9.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	9.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	9.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	7.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	6.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	4.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	4.00	SOFT	0.	NO	0.	0.
106	500.	112.50	9.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	10.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	9.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	7.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	6.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	4.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	6.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #7-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 58.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #7-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.06 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #7-WS3000

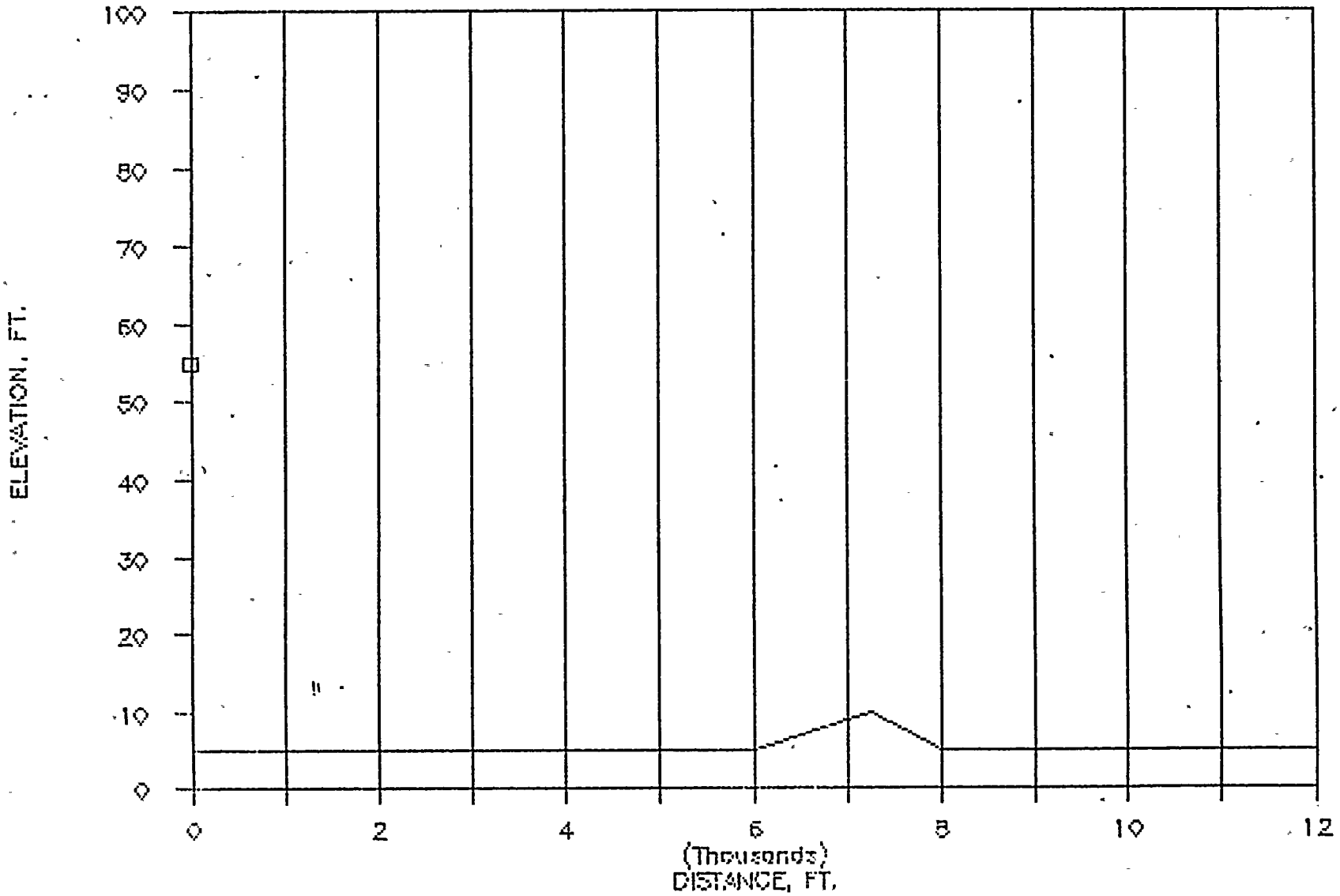
SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	77.	45.	40.	36.	29.
ENE	106.	93.	71.	52.	45.	36.	29.
NE	106.	94.	73.	54.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	93.	70.	45.	40.	36.	29.
SE	106.	92.	69.	45.	40.	36.	29.
ESE	106.	92.	69.	45.	40.	36.	29.

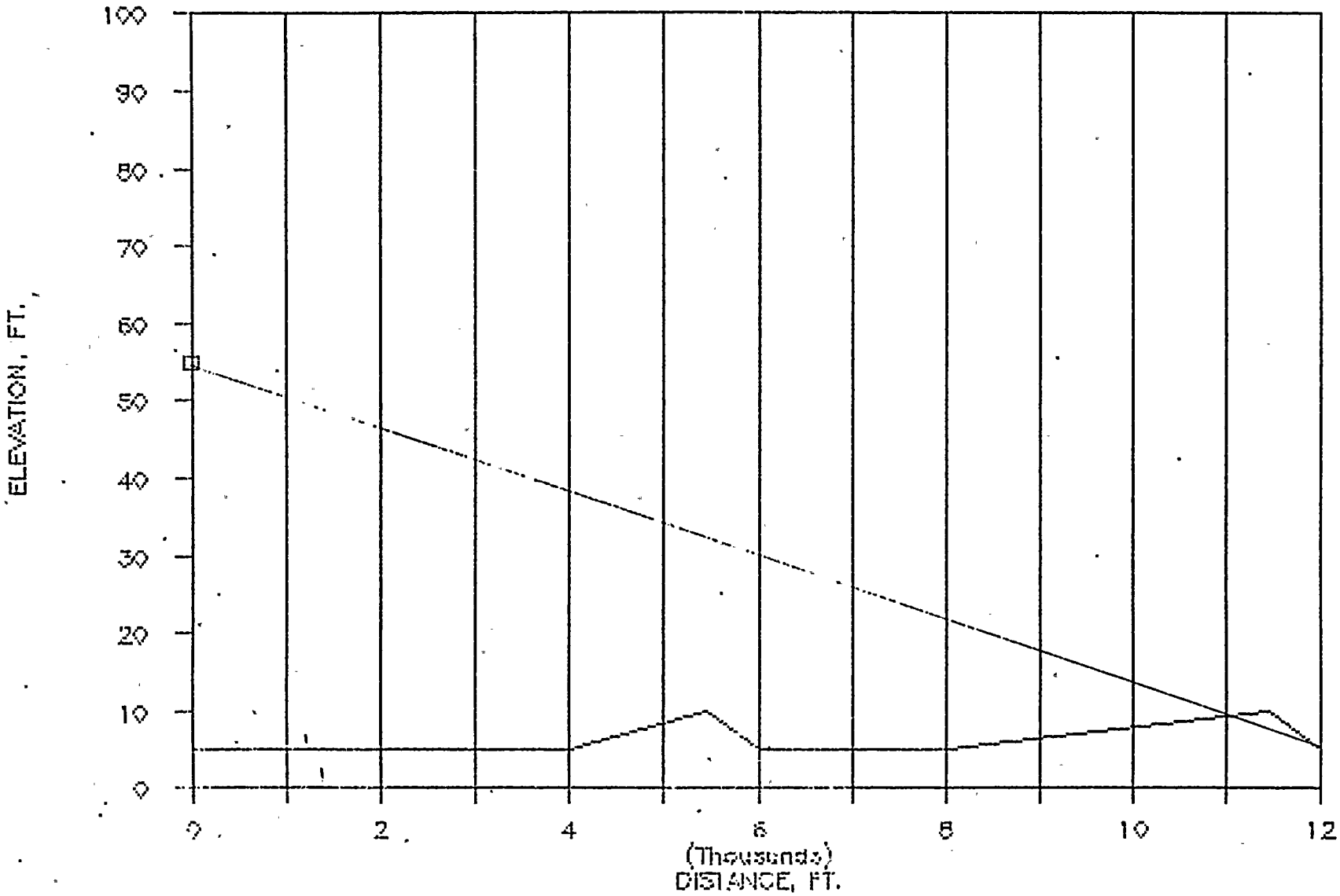
TURKEY POINT 8

AZIMUTH, E



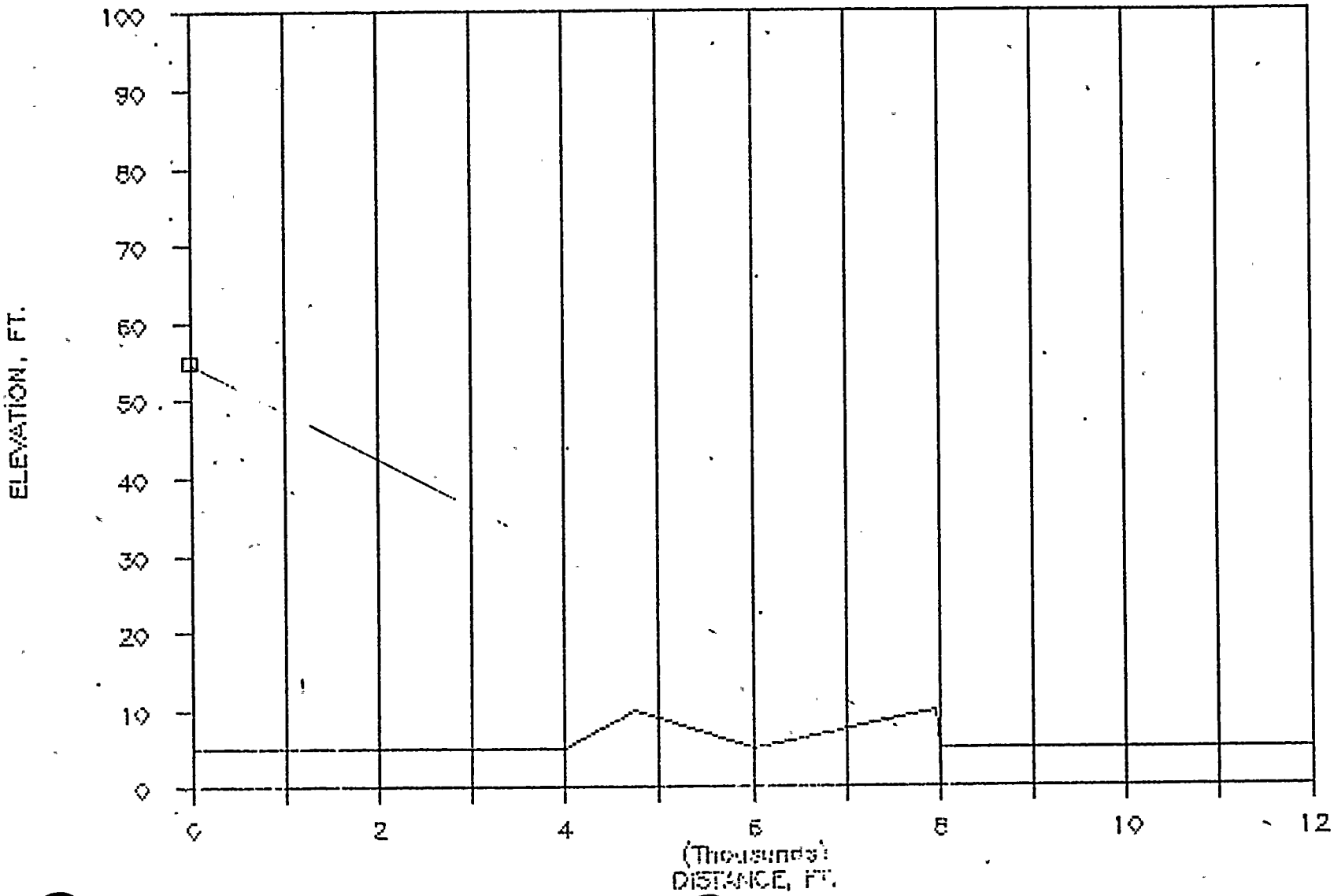
TURKEY POINT 8

AZIMUTH, ENE



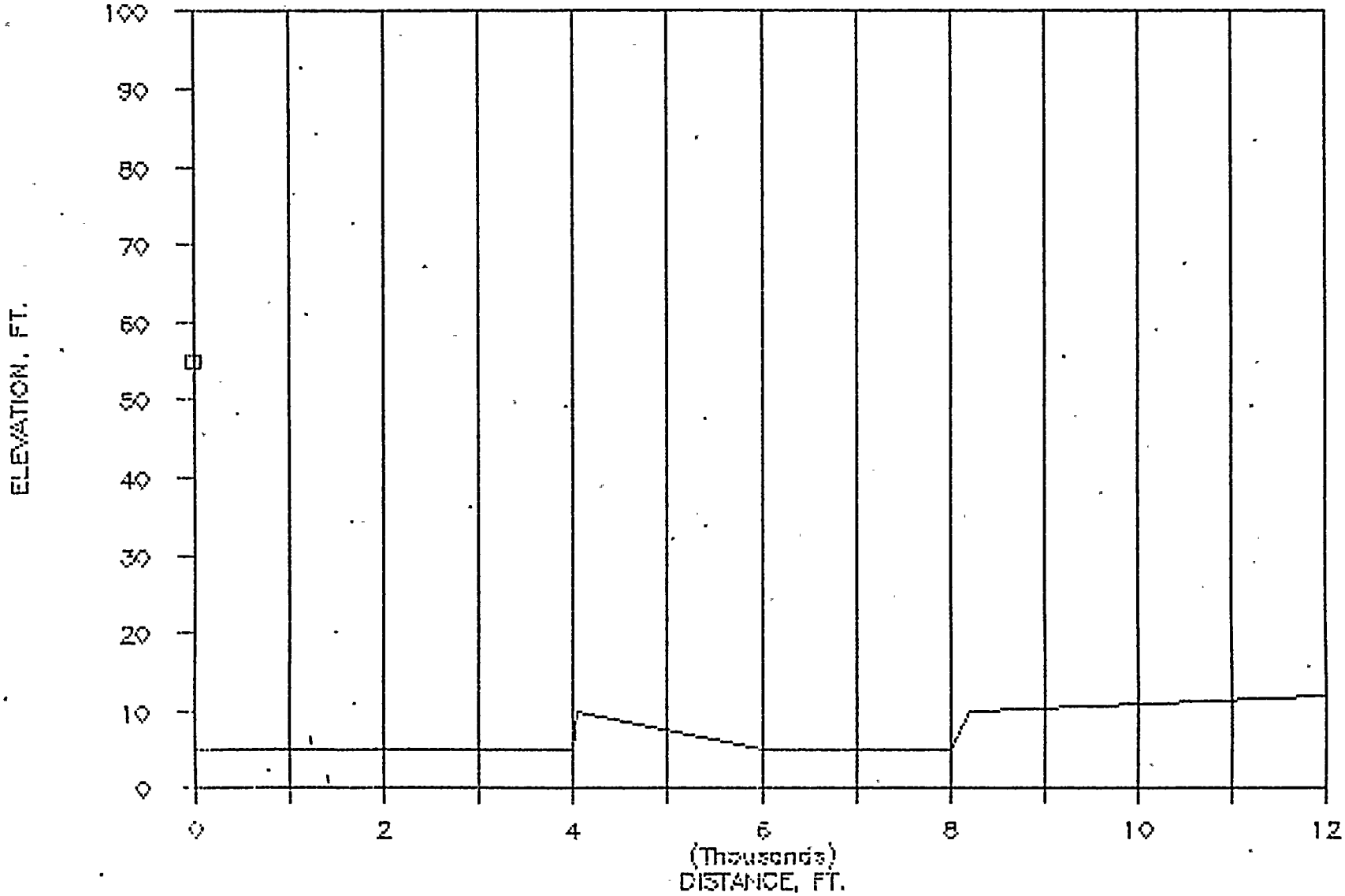
TURKEY POINT 8

AZIMUTH, NE



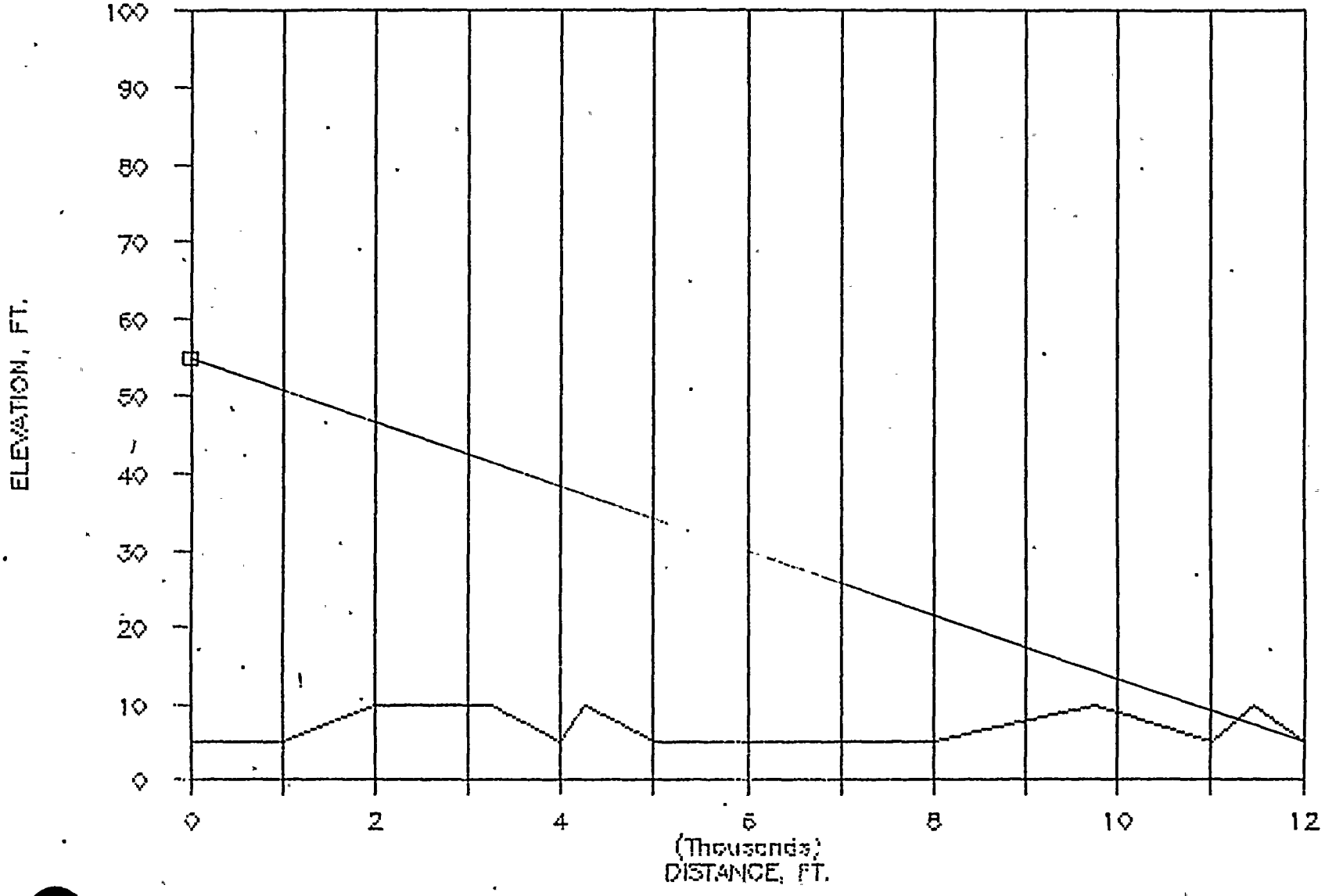
TURKEY POINT 8

AZIMUTH, NNE



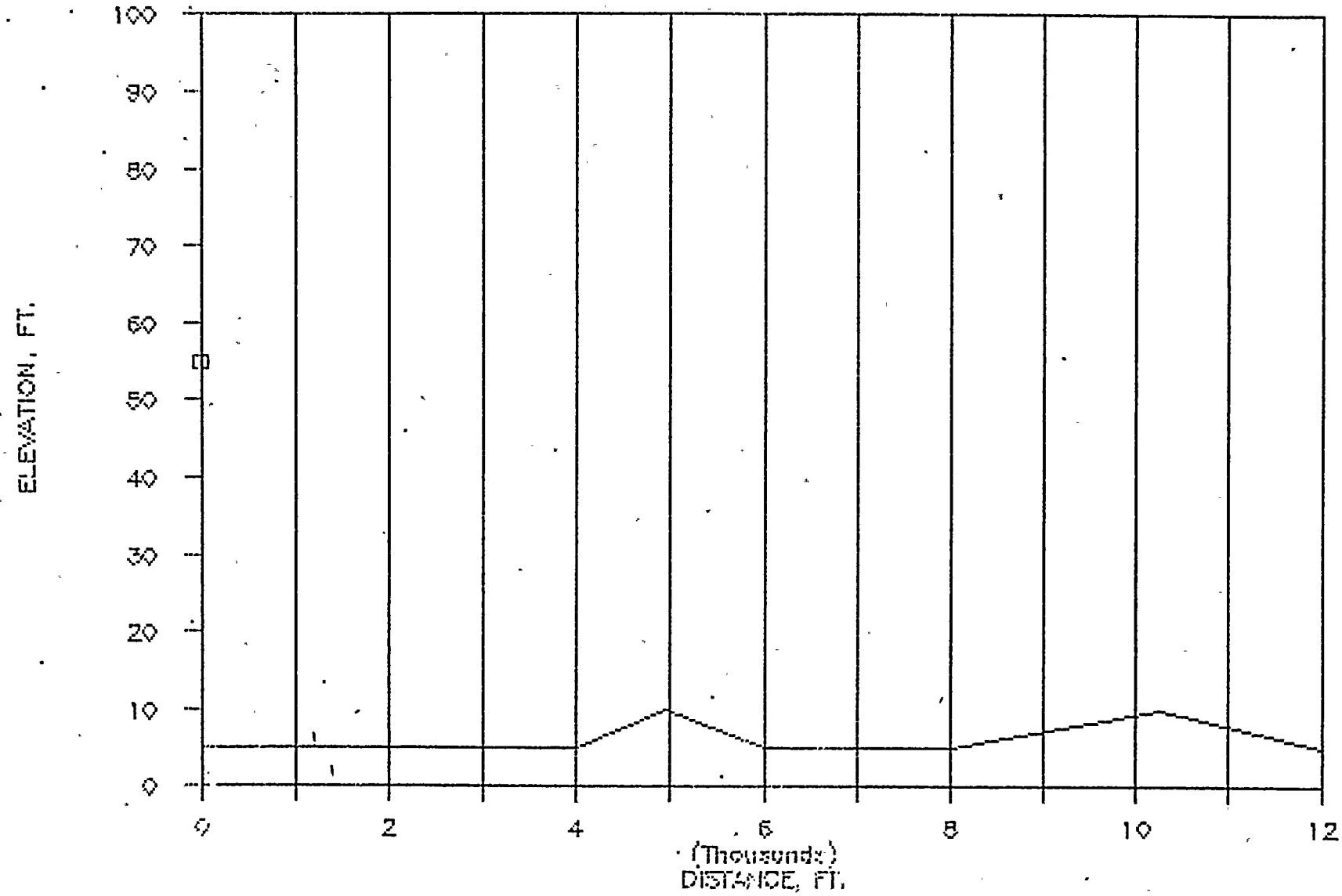
TURKEY POINT 8

AZIMUTH, N



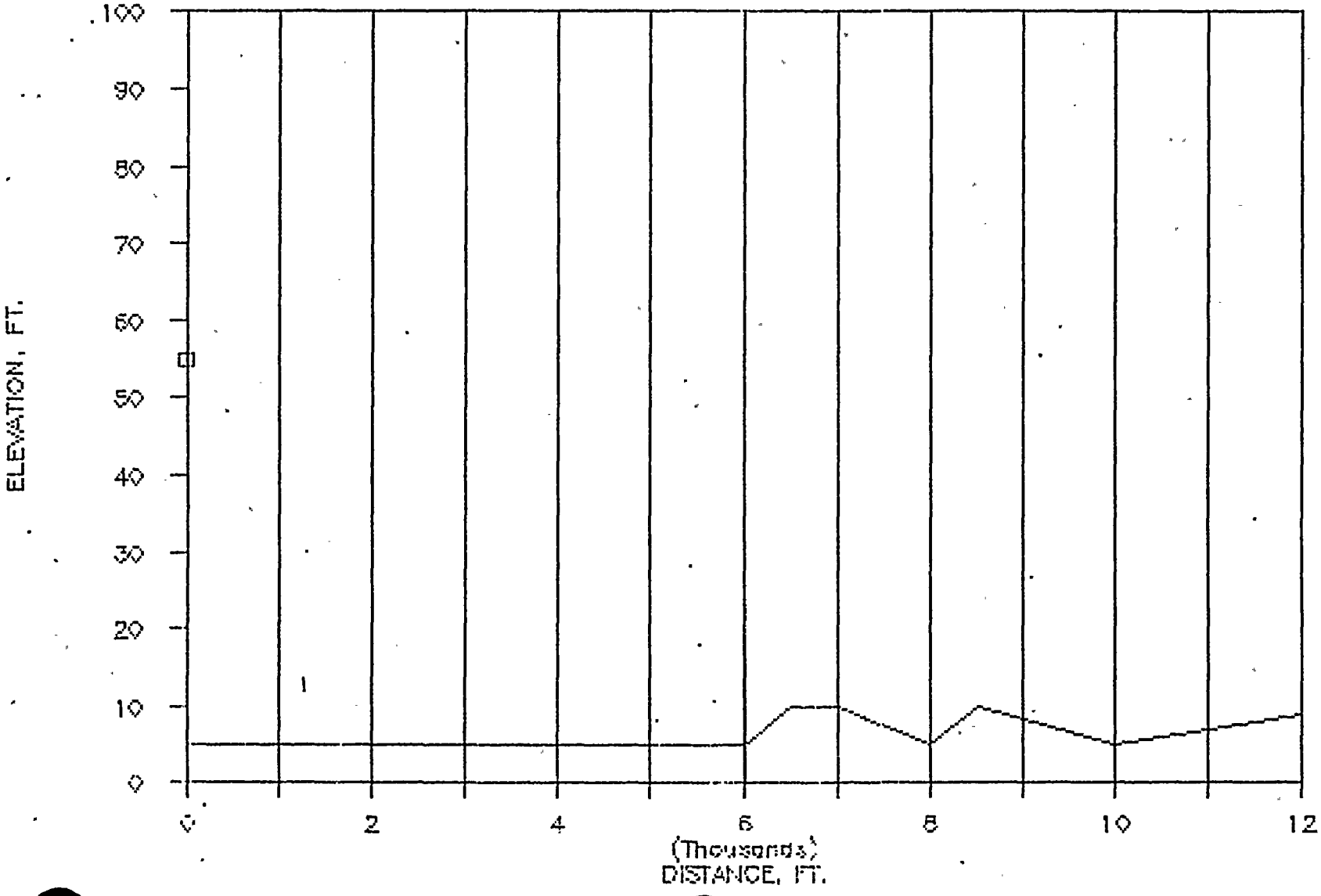
TURKEY POINT 8

AZIMUTH, NNW



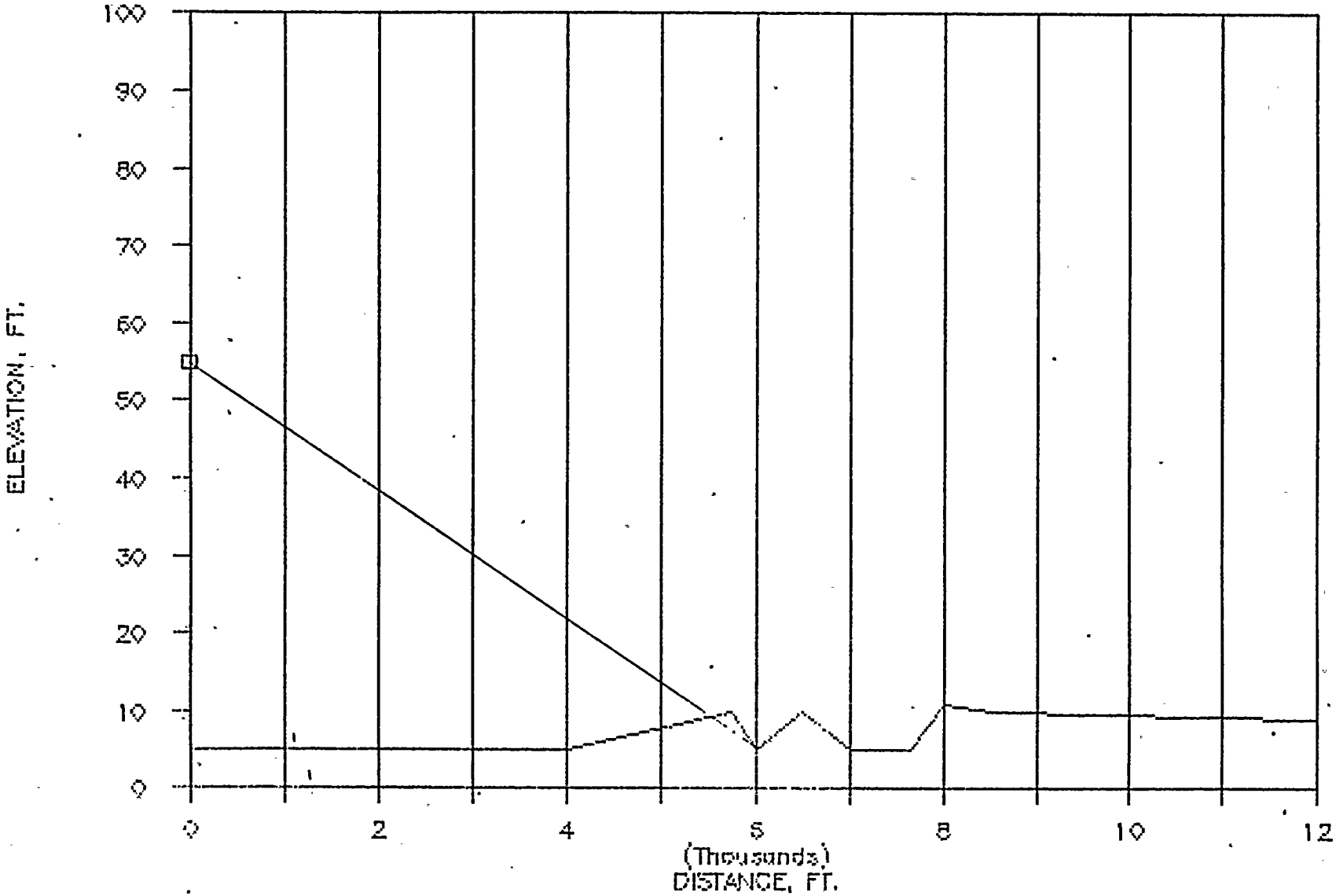
TURKEY POINT 8

AZIMUTH, NW



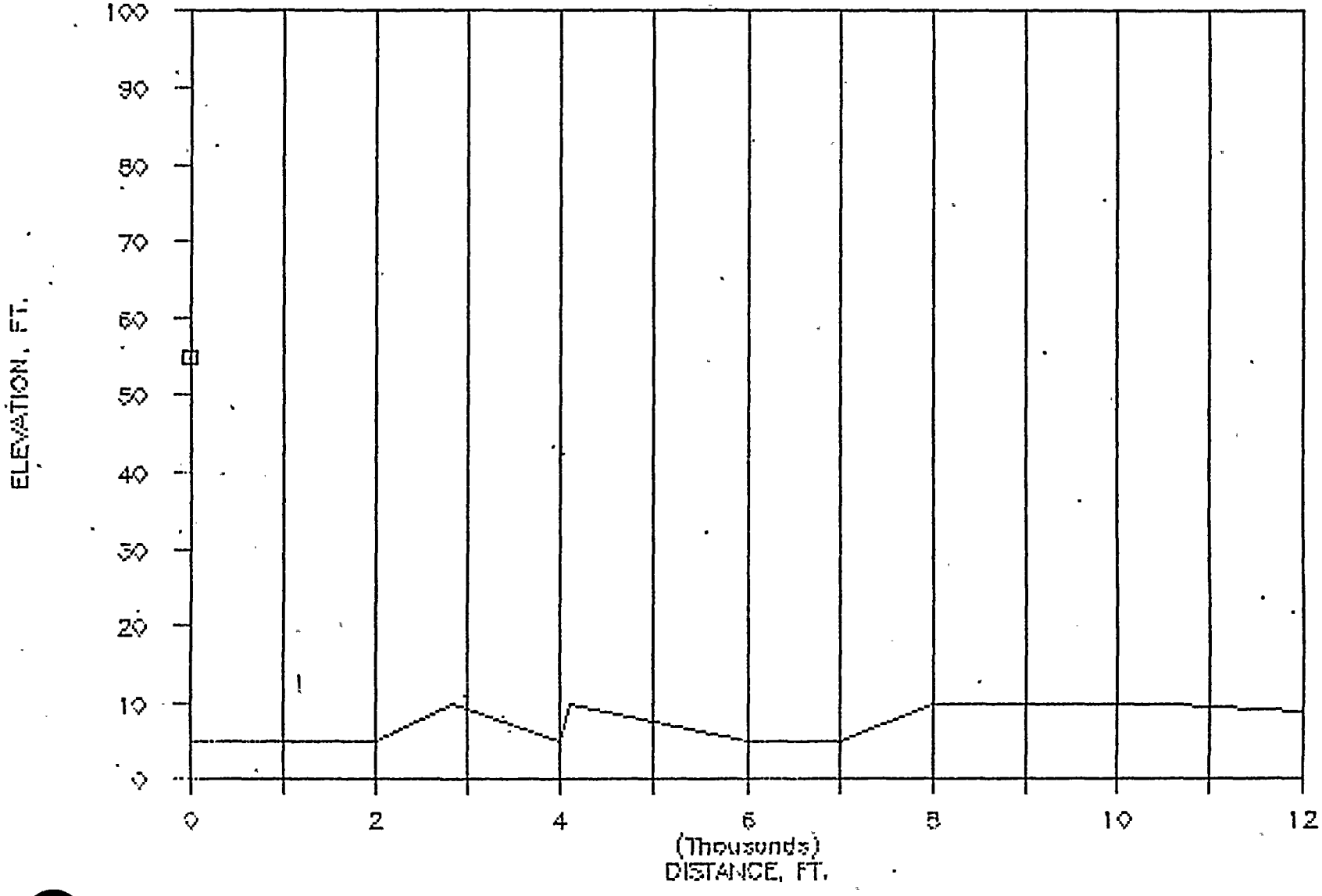
TURKEY POINT 8

AZIMUTH, WNW



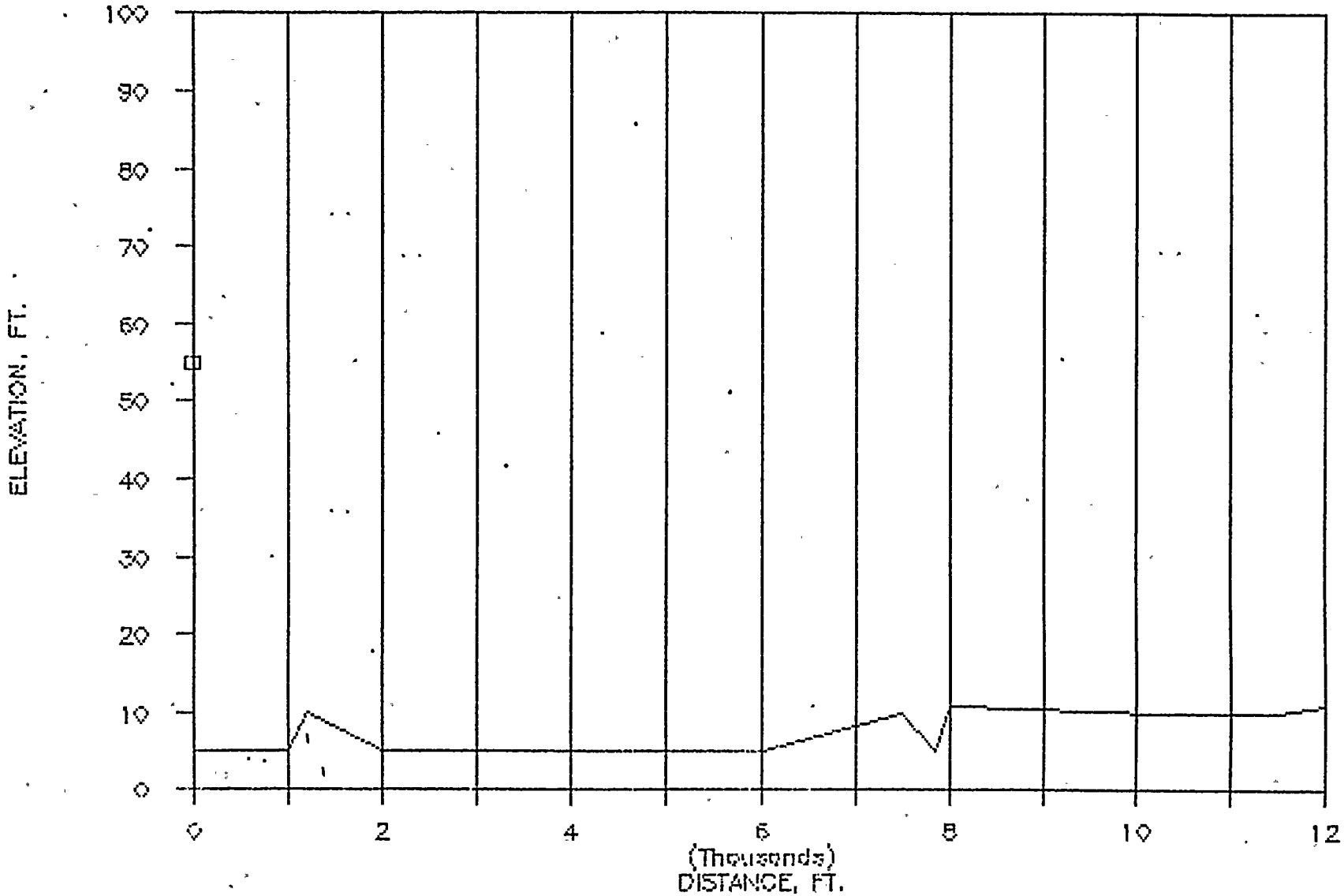
TURKEY POINT 8

AZIMUTH, W



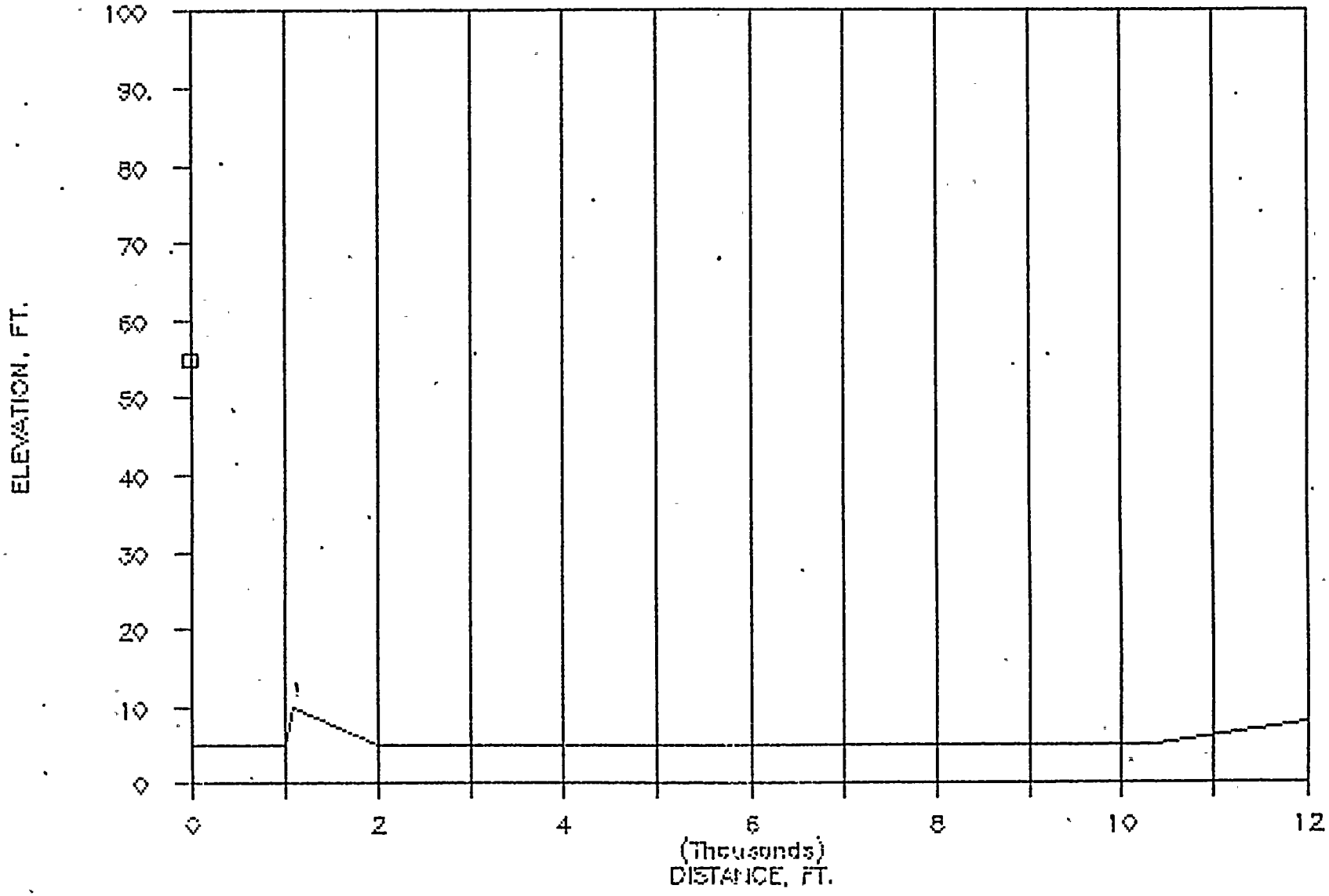
TURKEY POINT 8

AZIMUTH, WSW



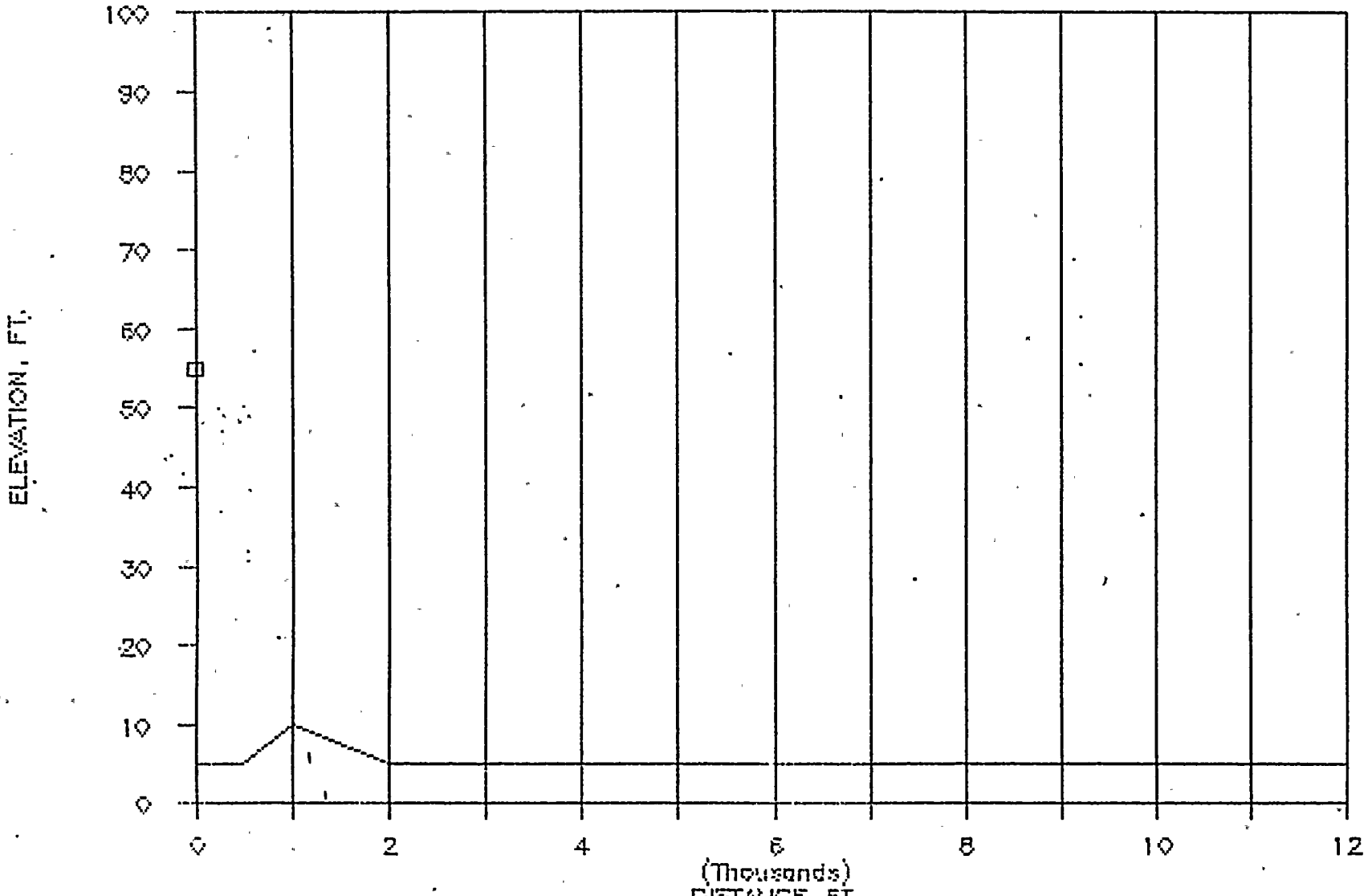
TURKEY POINT 8

AZIMUTH, SW



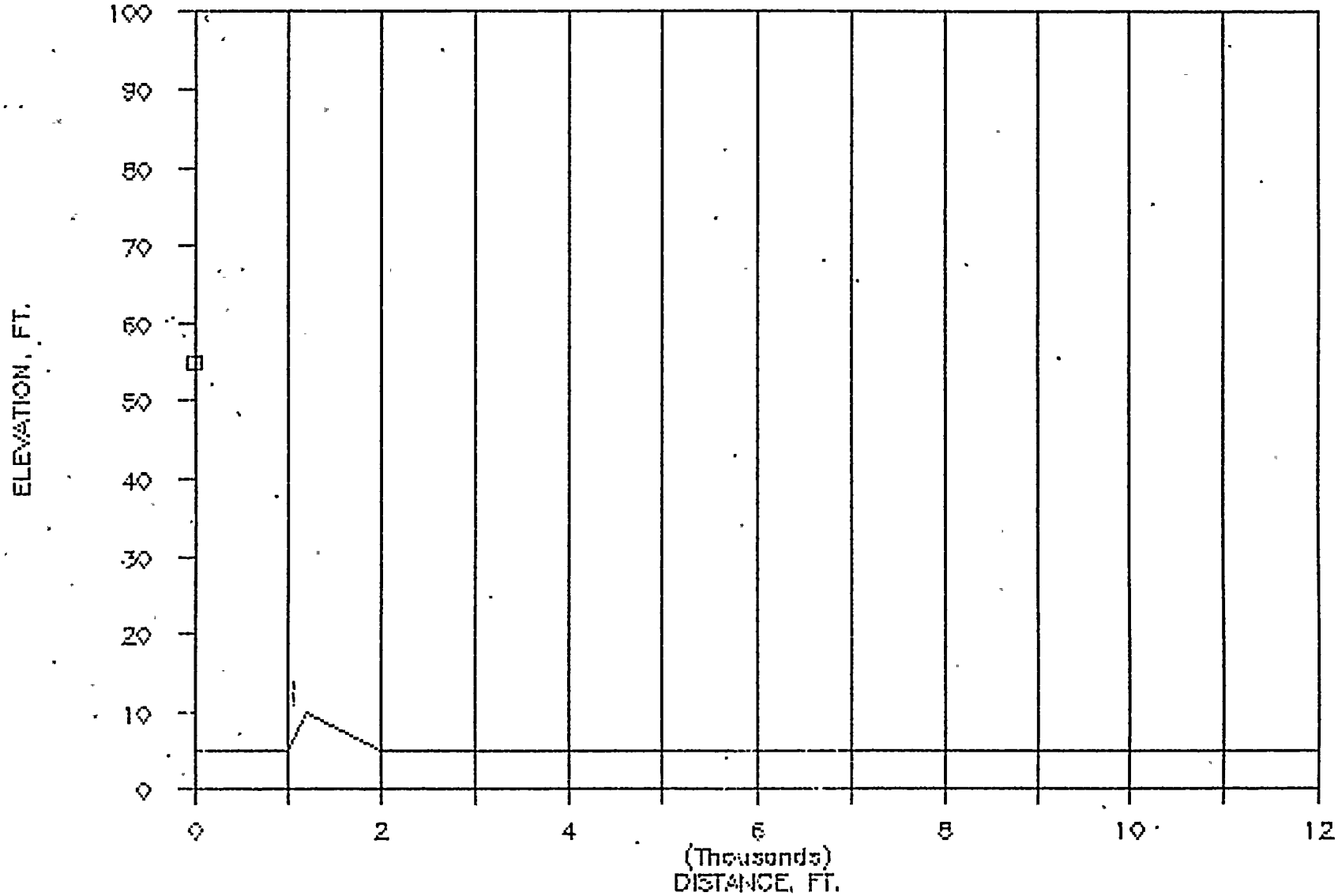
TURKEY POINT 8

AZIMUTH, SSW



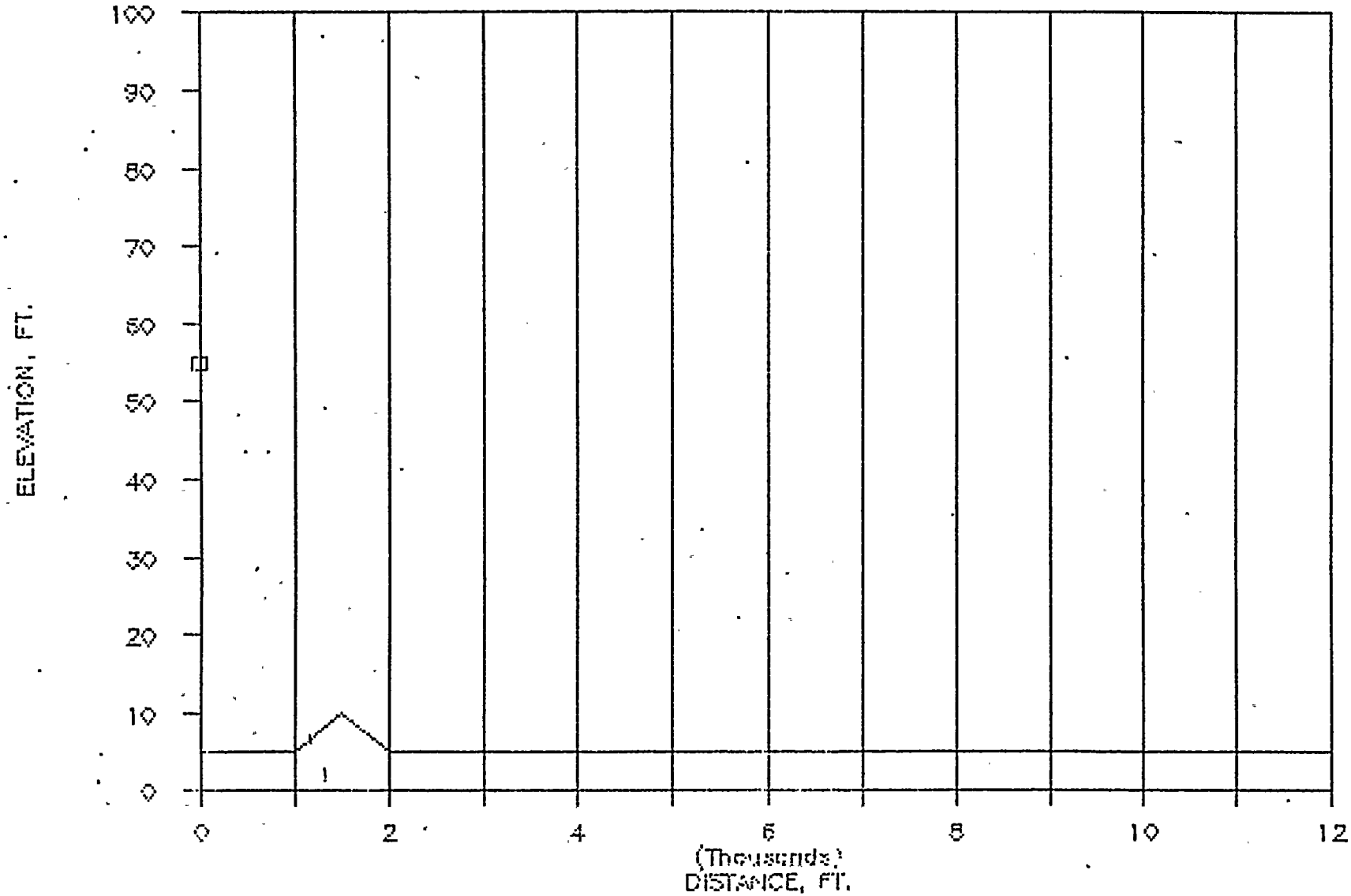
TURKEY POINT 8

AZIMUTH, S



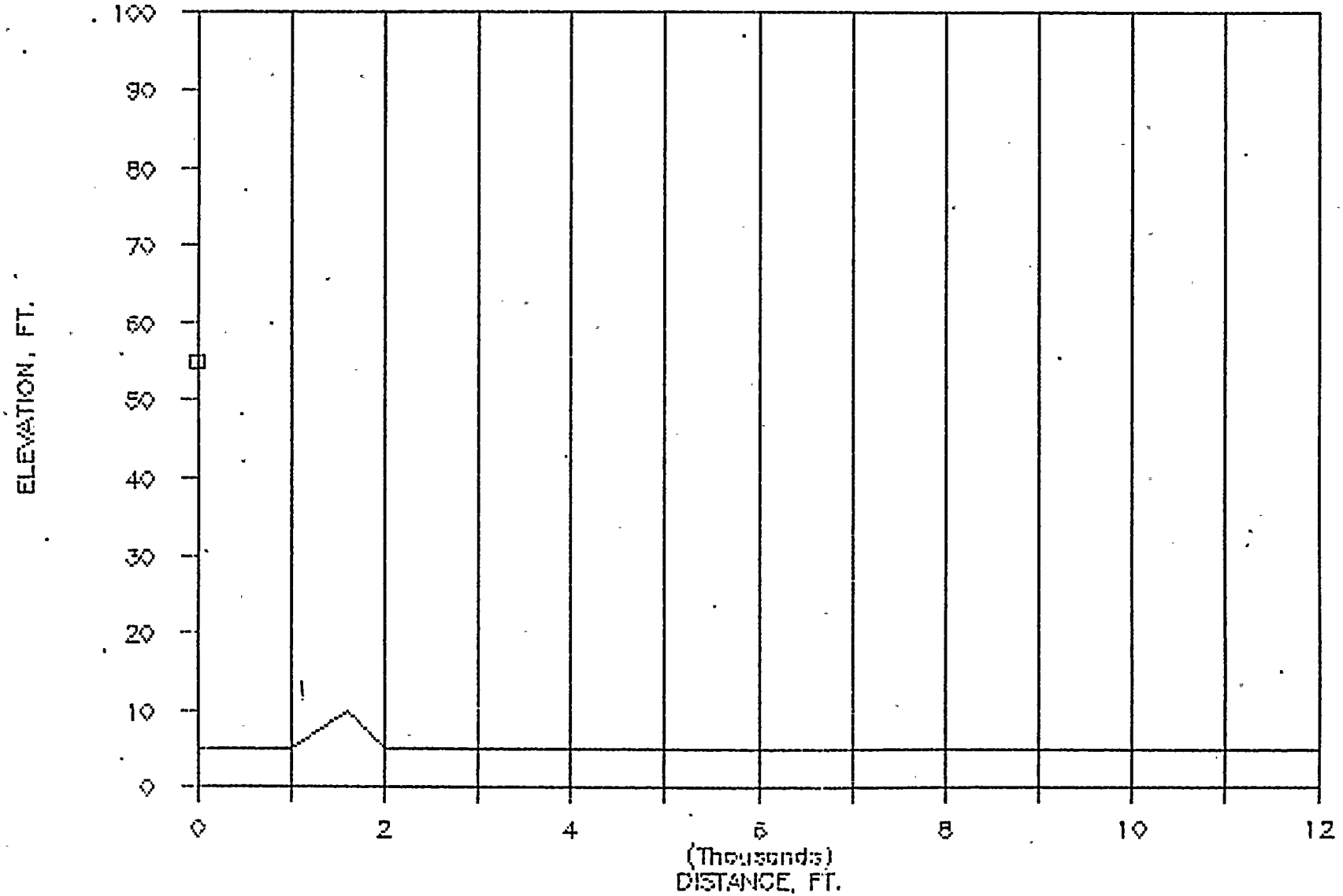
TURKEY POINT 8

AZIMUTH, SSE



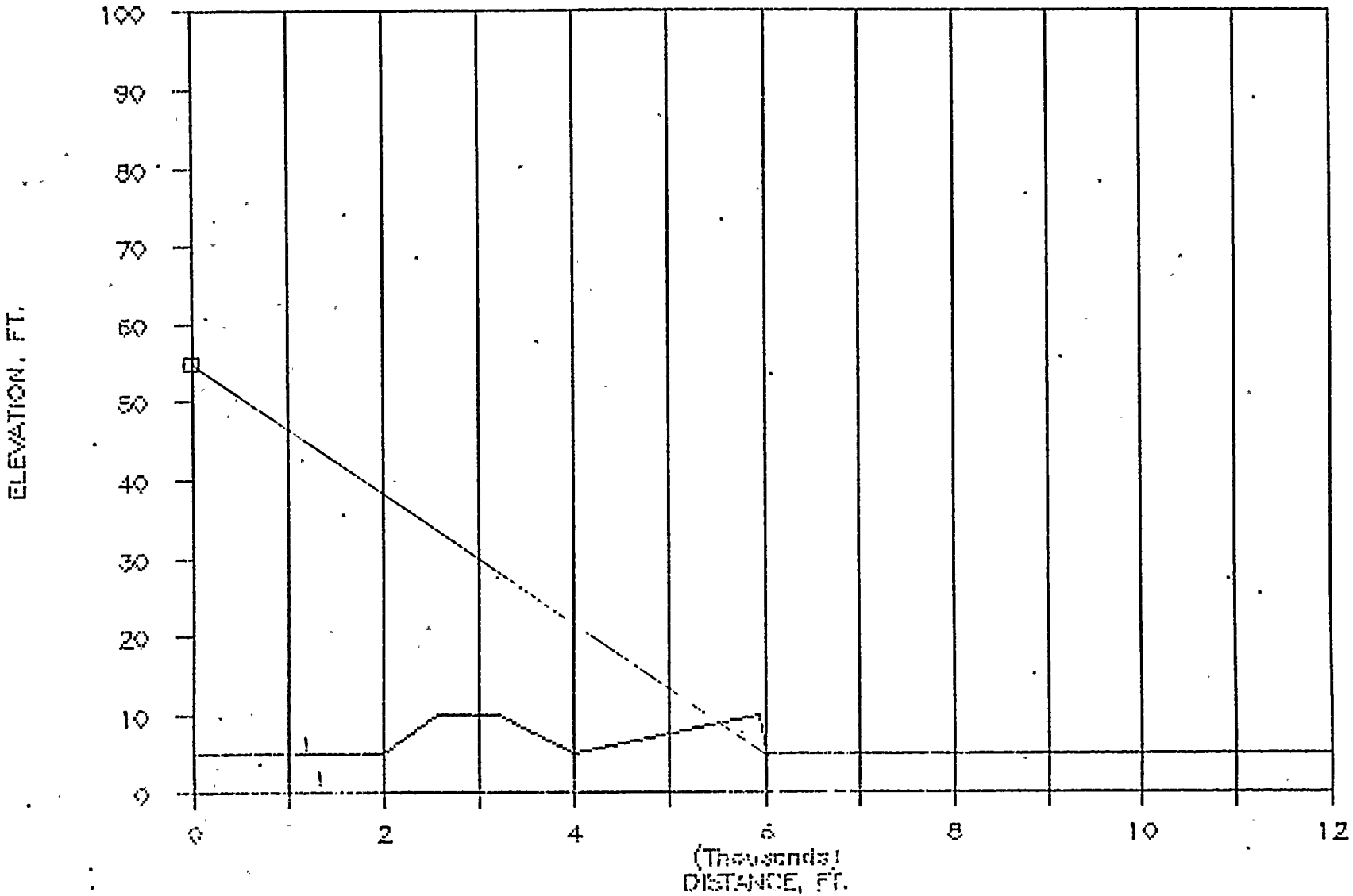
TURKEY POINT 8

AZIMUTH, SE



TURKEY POINT 8

AZIMUTH, ESE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #8-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	5.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	5.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	5.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	5.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	5.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	5.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	5.00	SOFT	0.	NO	0.	0.
8	500.	67.50	5.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	5.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	5.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	5.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	5.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	5.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	5.00	SOFT	0.	YES	11450.	10.
15	500.	45.00	5.00	SOFT	0.	NO	0.	0.
16	1000.	45.00	5.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	5.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	5.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	5.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	5.00	SOFT	0.	YES	7950.	10.
21	12000.	45.00	5.00	SOFT	0.	NO	0.	0.
22	500.	22.50	5.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	5.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	5.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	5.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	5.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	5.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	12.00	SOFT	0.	NO	0.	0.
29	500.	.00	5.00	SOFT	0.	NO	0.	0.
30	1000.	.00	5.00	SOFT	0.	NO	0.	0.
31	2000.	.00	10.00	SOFT	0.	NO	0.	0.
32	4000.	.00	5.00	SOFT	0.	NO	0.	0.
33	6000.	.00	5.00	SOFT	0.	NO	0.	0.
34	8000.	.00	5.00	SOFT	0.	NO	0.	0.
35	12000.	.00	5.00	SOFT	0.	YES	11450.	10.
36	500.	337.50	5.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	5.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	5.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	5.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	5.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	5.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	5.00	SOFT	0.	NO	0.	0.
43	500.	315.00	5.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	5.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	5.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	5.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	5.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	5.00	SOFT	0.	NO	0.	0.
[illegible]	12000.	315.00	9.00	SOFT	0.	NO	0.	0.
50	500.	292.50	5.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	5.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	5.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	5.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	5.00	SOFT	0.	YES	5750.	10.
55	8000.	292.50	11.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	9.00	SOFT	0.	NO	0.	0.
57	500.	270.00	5.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	5.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	5.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	5.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	5.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	10.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	9.00	SOFT	0.	NO	0.	0.
64	500.	247.50	5.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	5.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	5.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	5.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	5.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	11.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	11.00	SOFT	0.	NO	0.	0.
71	500.	225.00	5.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	5.00	HARD	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	5.00	HARD	0.	NO	0.	0.
74	4000.	225.00	5.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	5.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	5.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	8.00	SOFT	0.	NO	0.	0.
78	500.	202.50	5.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	10.00	HARD	0.	NO	0.	0.
80	2000.	202.50	5.00	HARD	0.	NO	0.	0.
81	4000.	202.50	5.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	5.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	5.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	5.00	SOFT	0.	NO	0.	0.
85	500.	180.00	5.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	5.00	HARD	0.	NO	0.	0.
87	2000.	180.00	5.00	SOFT	0.	NO	0.	0.
88	4000.	180.00	5.00	SOFT	0.	NO	0.	0.
89	6000.	180.00	5.00	SOFT	0.	NO	0.	0.
90	8000.	180.00	5.00	SOFT	0.	NO	0.	0.
91	12000.	180.00	5.00	SOFT	0.	NO	0.	0.
92	500.	157.50	5.00	SOFT	0.	NO	0.	0.
93	1000.	157.50	5.00	SOFT	0.	NO	0.	0.
94	2000.	157.50	5.00	SOFT	0.	NO	0.	0.
95	4000.	157.50	5.00	HARD	0.	NO	0.	0.
96	6000.	157.50	5.00	HARD	0.	NO	0.	0.
97	8000.	157.50	5.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	5.00	SOFT	0.	NO	0.	0.
99	500.	135.00	5.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	5.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	5.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	5.00	HARD	0.	NO	0.	0.
103	6000.	135.00	5.00	HARD	0.	NO	0.	0.
104	8000.	135.00	5.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	5.00	SOFT	0.	NO	0.	0.
106	500.	112.50	5.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	5.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	5.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	5.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	5.00	SOFT	0.	YES	5950.	0.
111	8000.	112.50	5.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	5.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #8-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 55.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #8-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.05 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

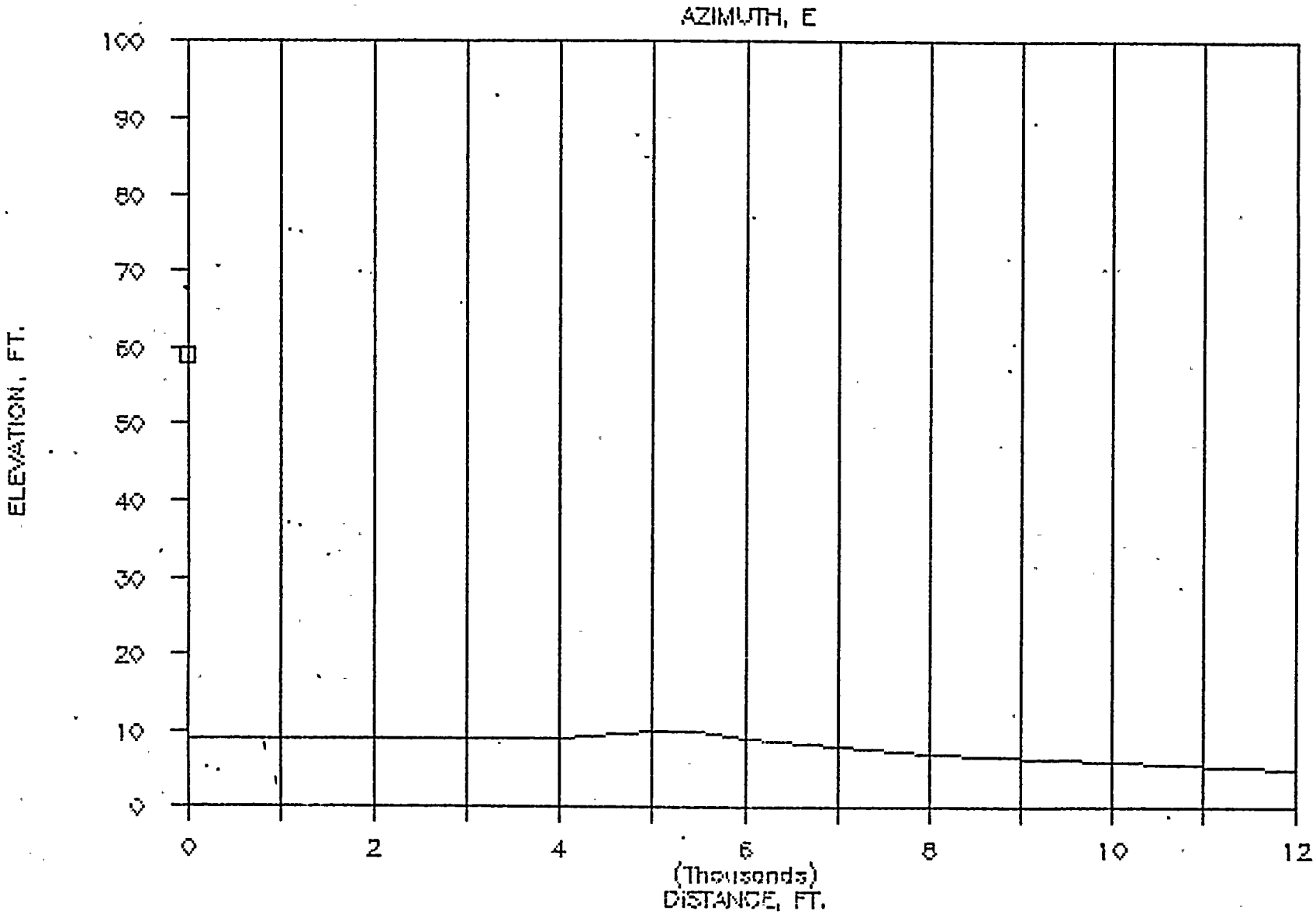
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #B-WS3000

SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

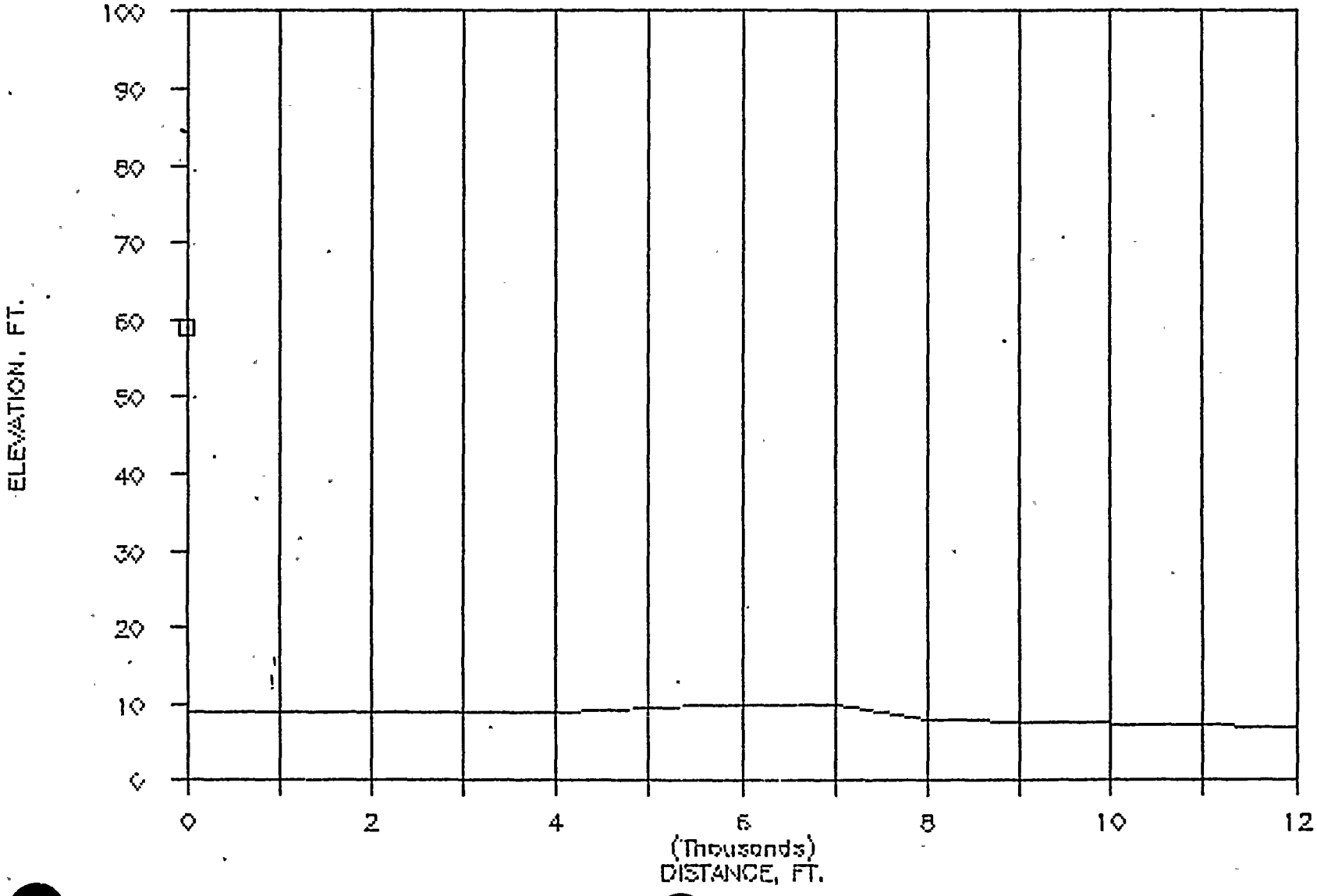
AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	95.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	99.	91.	75.	70.	66.	59.
SSW	106.	99.	91.	75.	70.	66.	59.
S	106.	96.	72.	45.	40.	36.	29.
SSE	106.	93.	70.	52.	45.	36.	29.
SE	106.	92.	69.	52.	45.	36.	29.
ESE	106.	92.	69.	45.	40.	36.	29.

TURKEY POINT 9



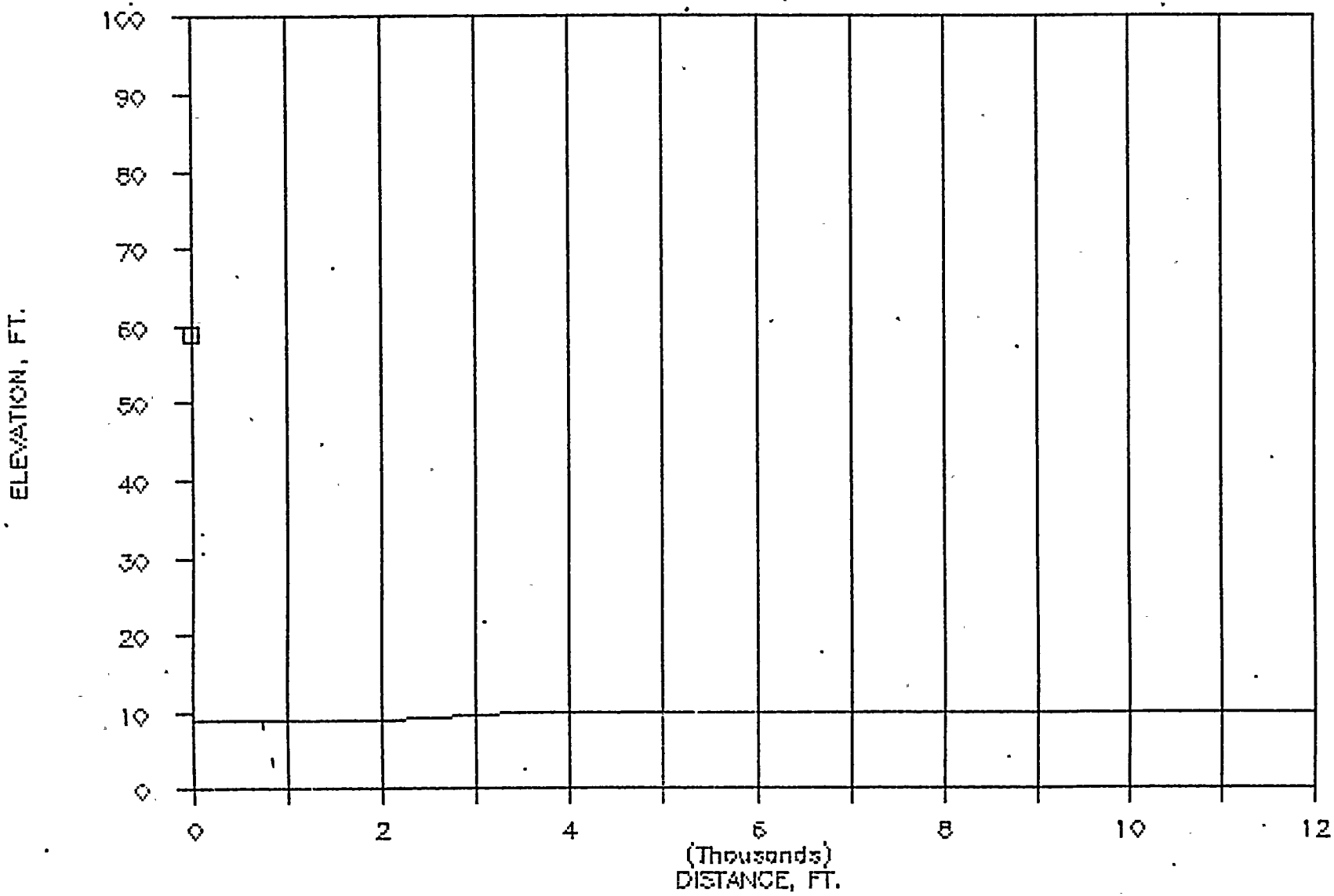
TURKEY POINT 9

AZIMUTH, ENE



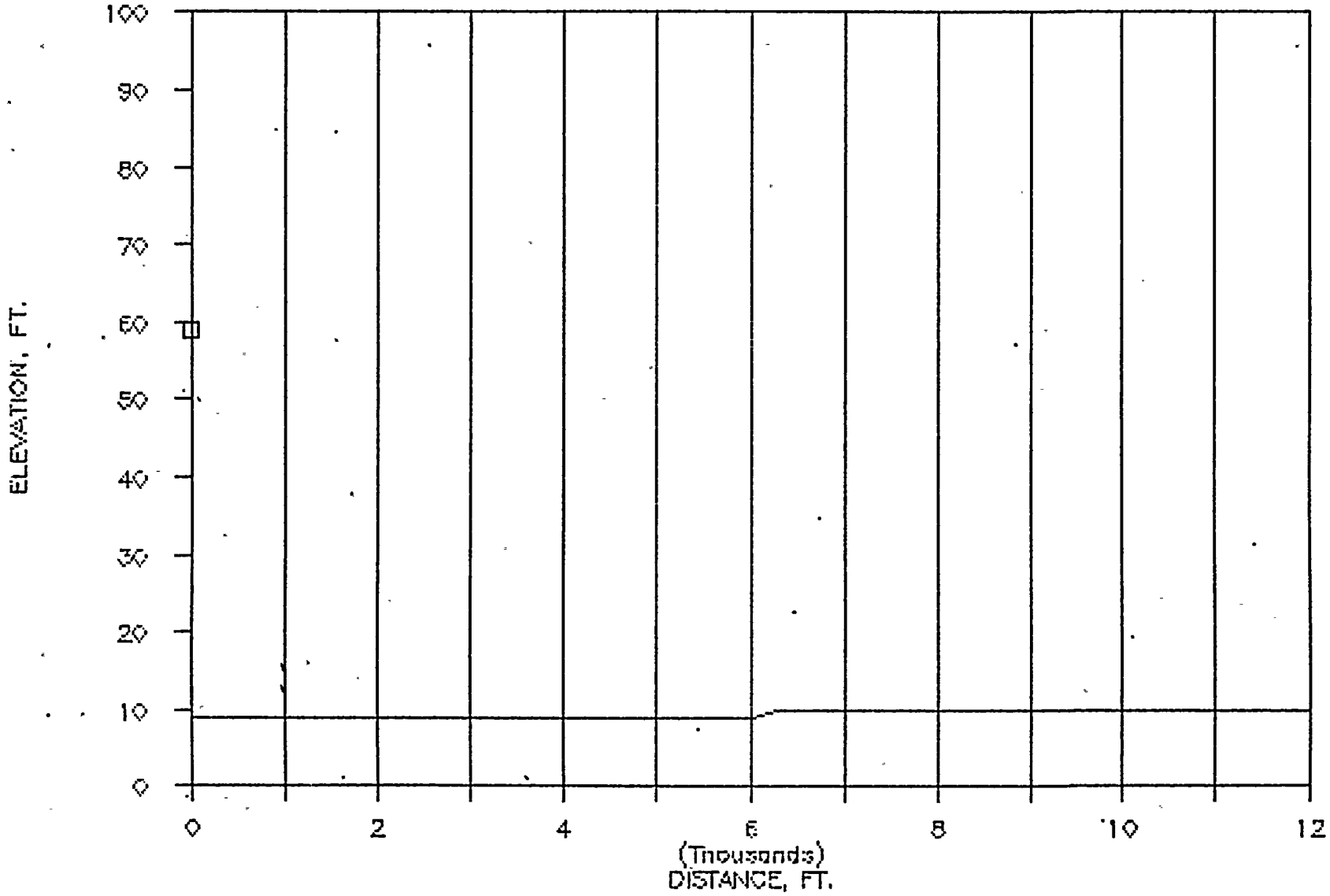
TURKEY POINT 9

AZIMUTH, NE

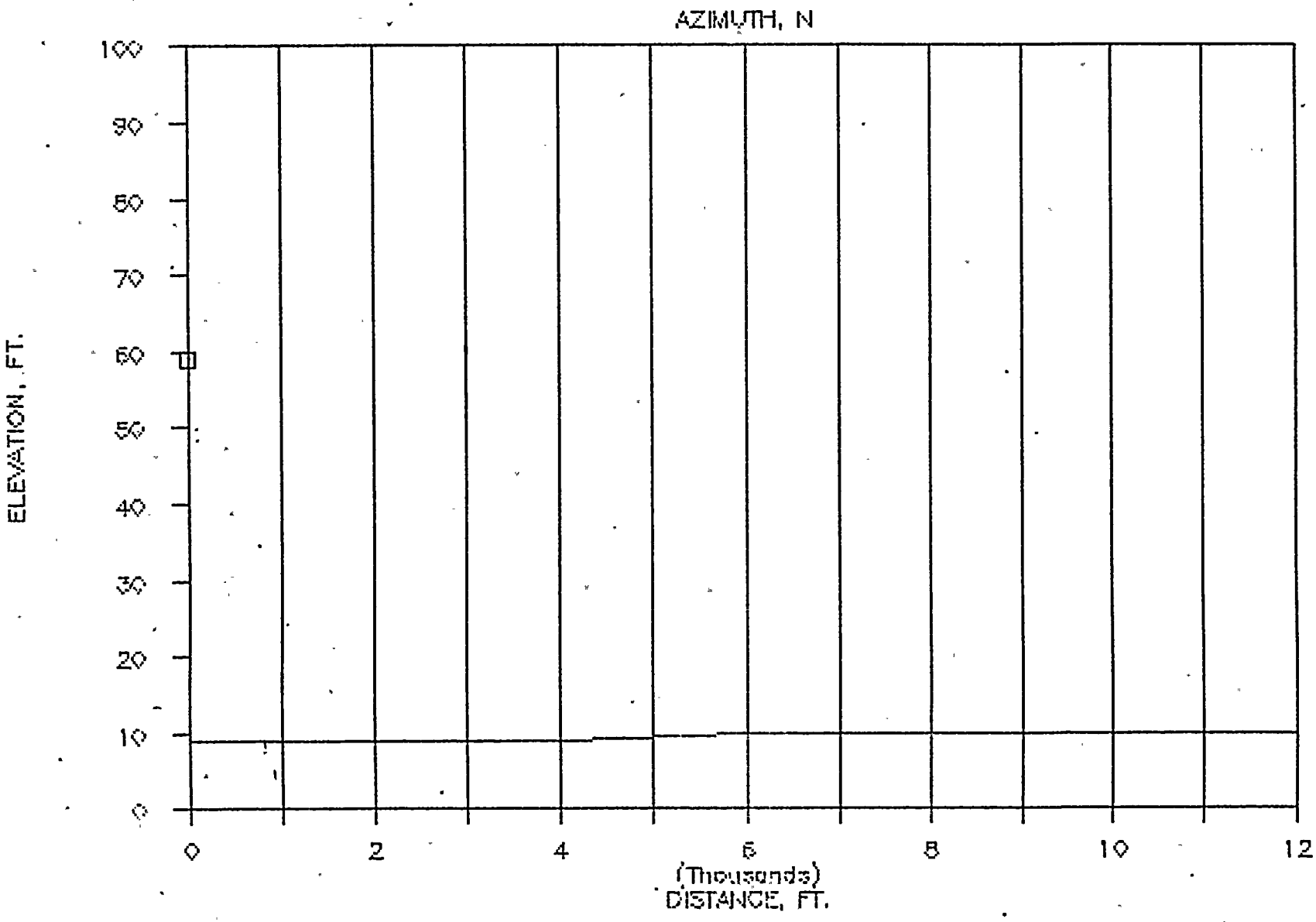


TURKEY POINT 9

AZIMUTH, NNE

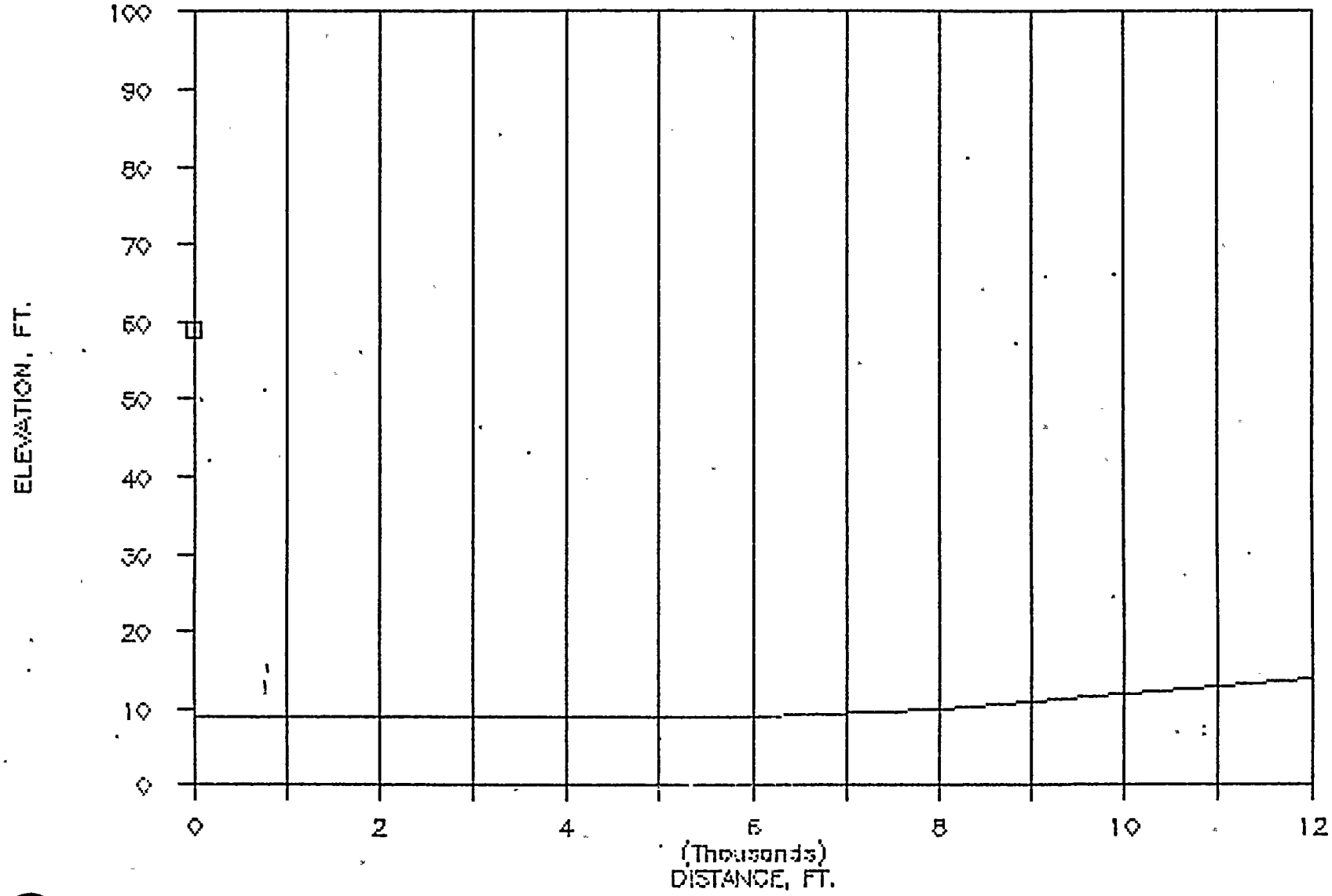


TURKEY POINT 9



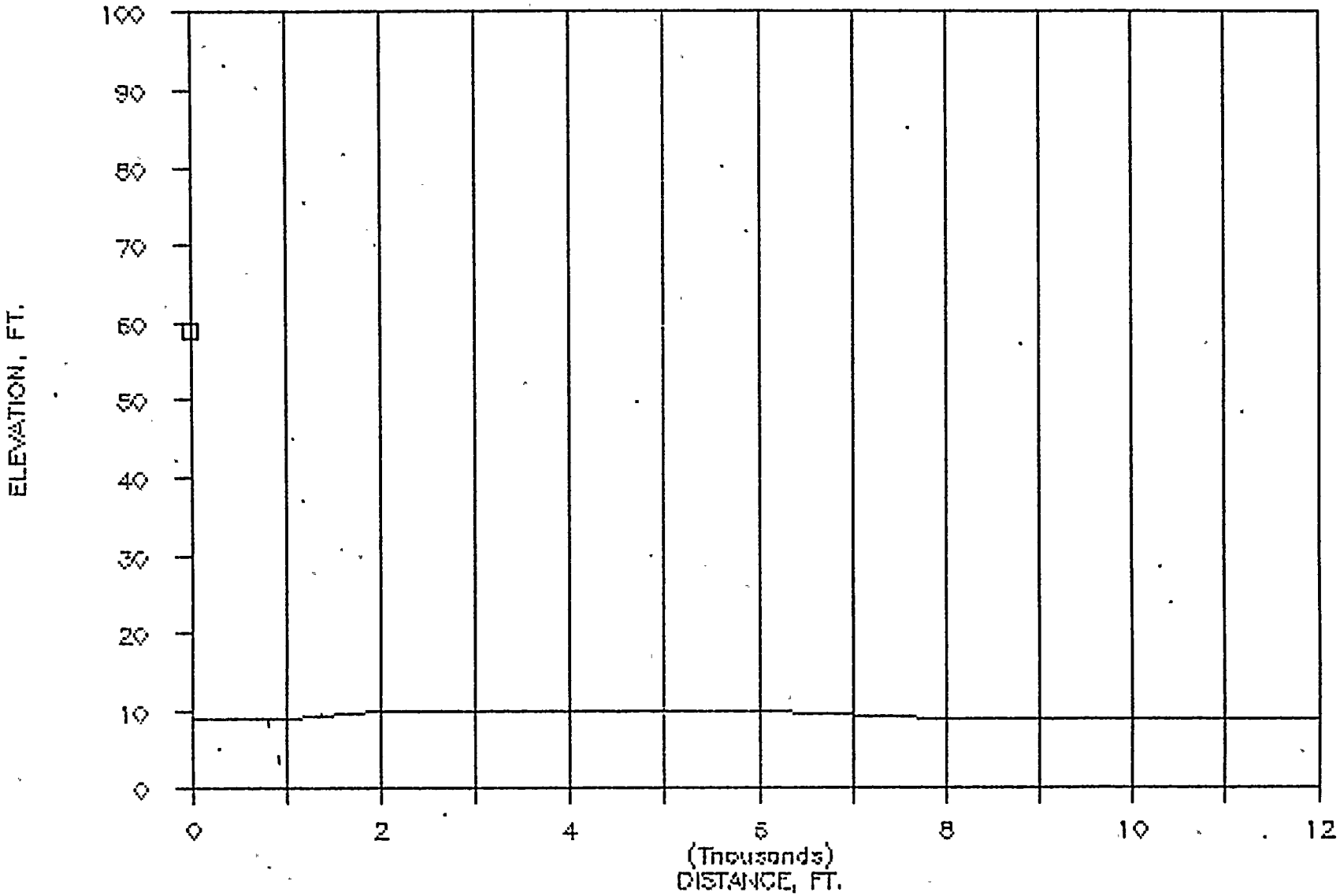
TURKEY POINT 9

AZIMUTH, NNW



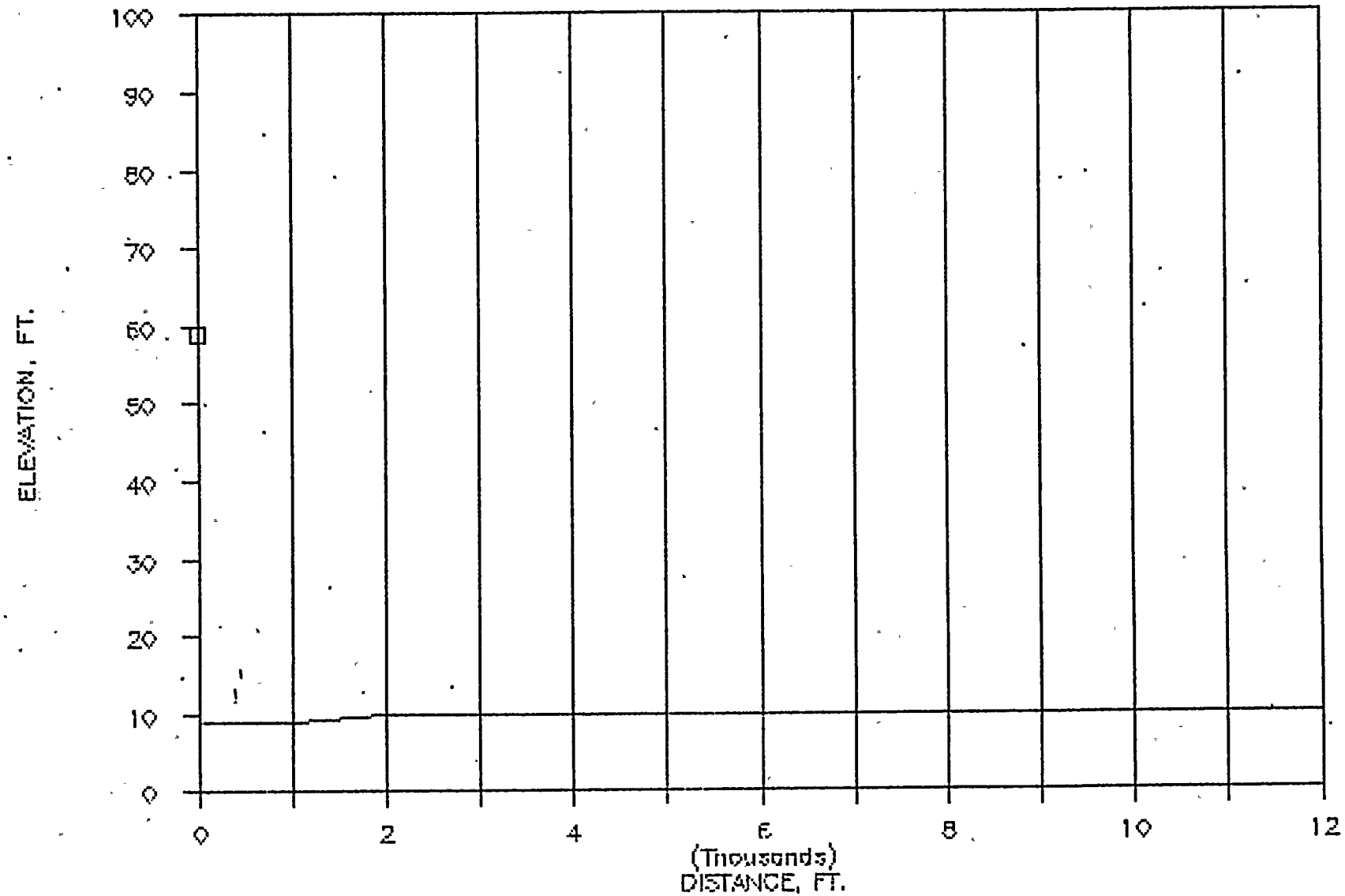
TURKEY POINT 9

AZIMUTH, NW

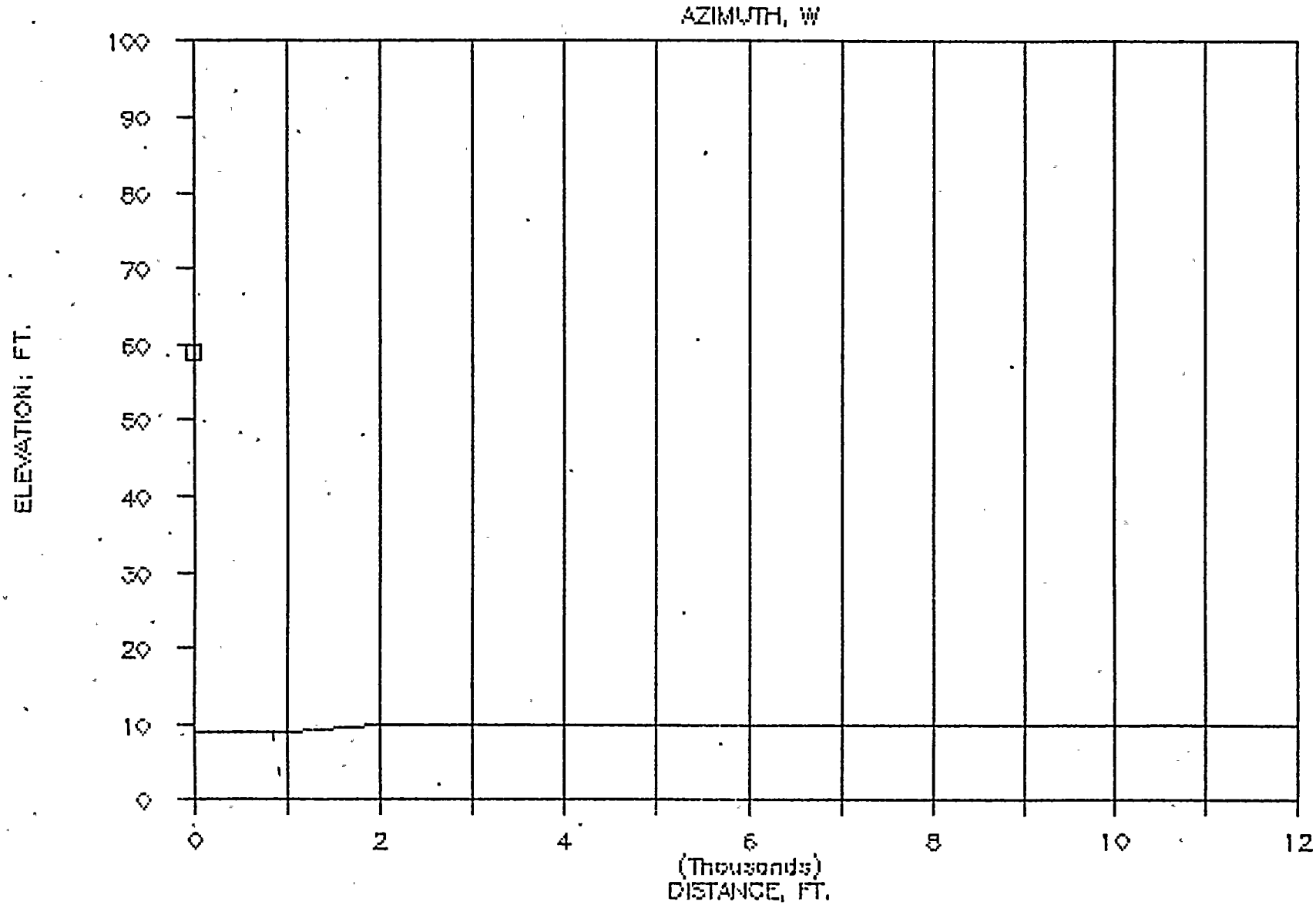


TURKEY POINT 9

AZIMUTH, WNW

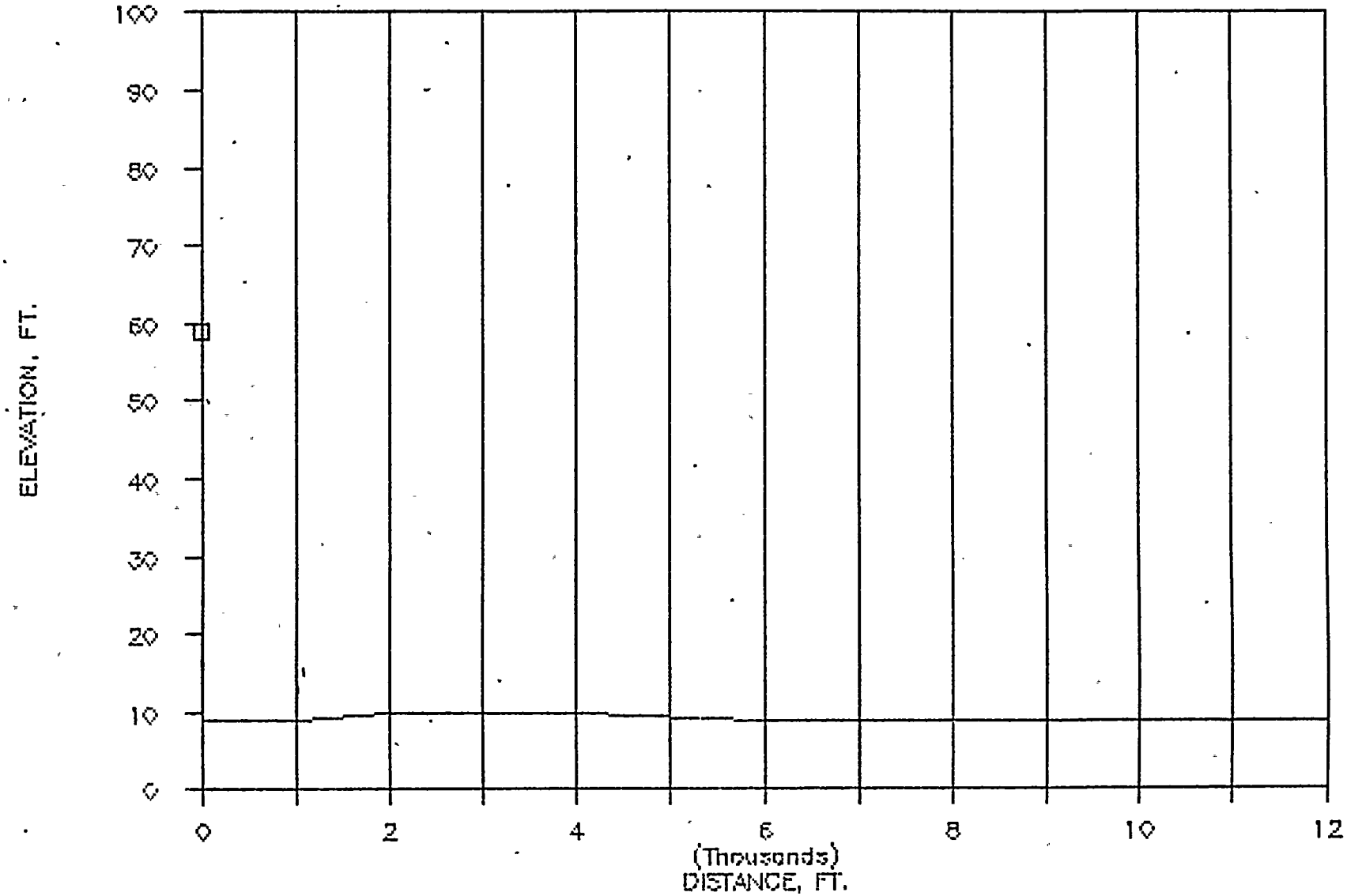


TURKEY POINT 9



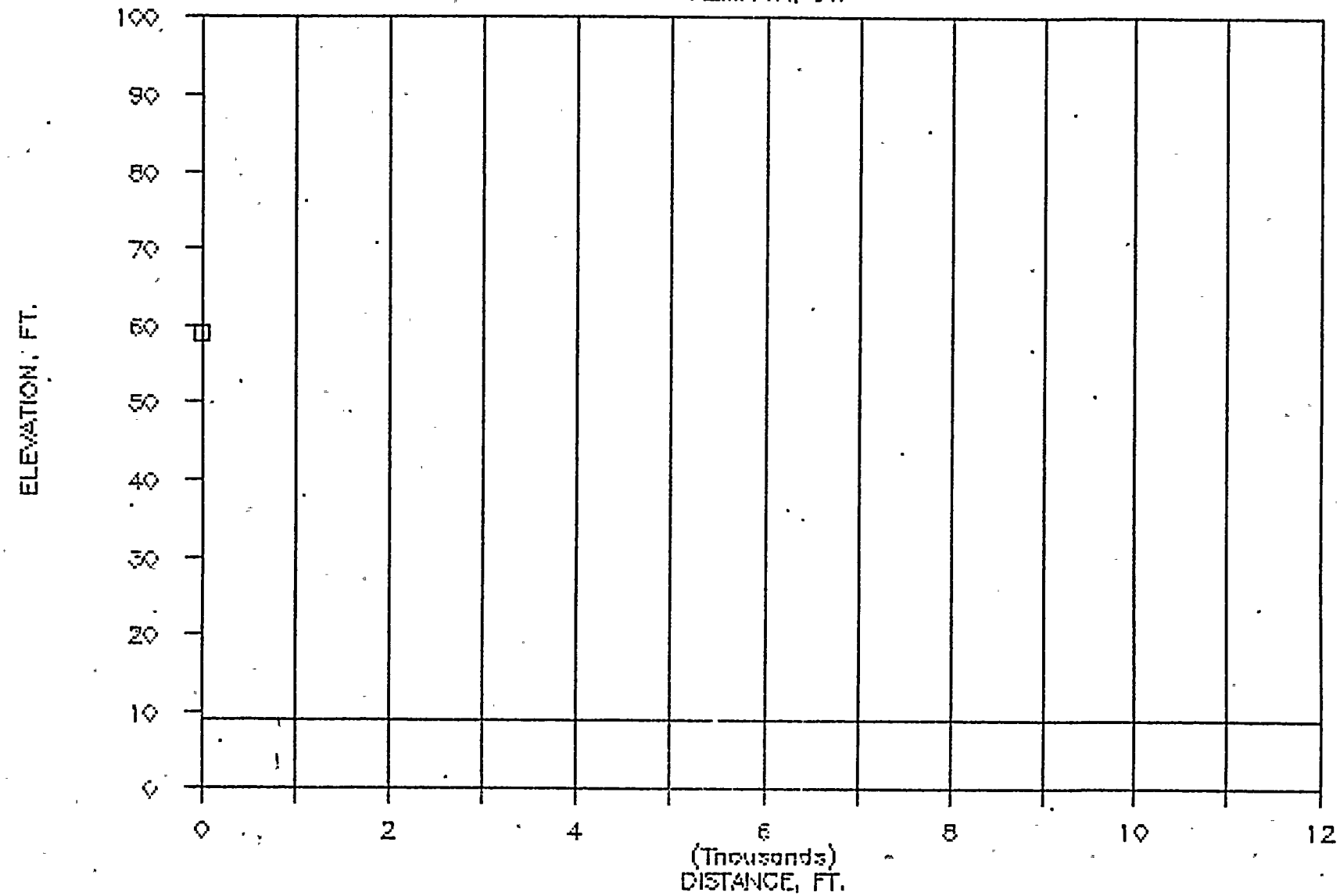
TURKEY POINT 9

AZIMUTH, WSW



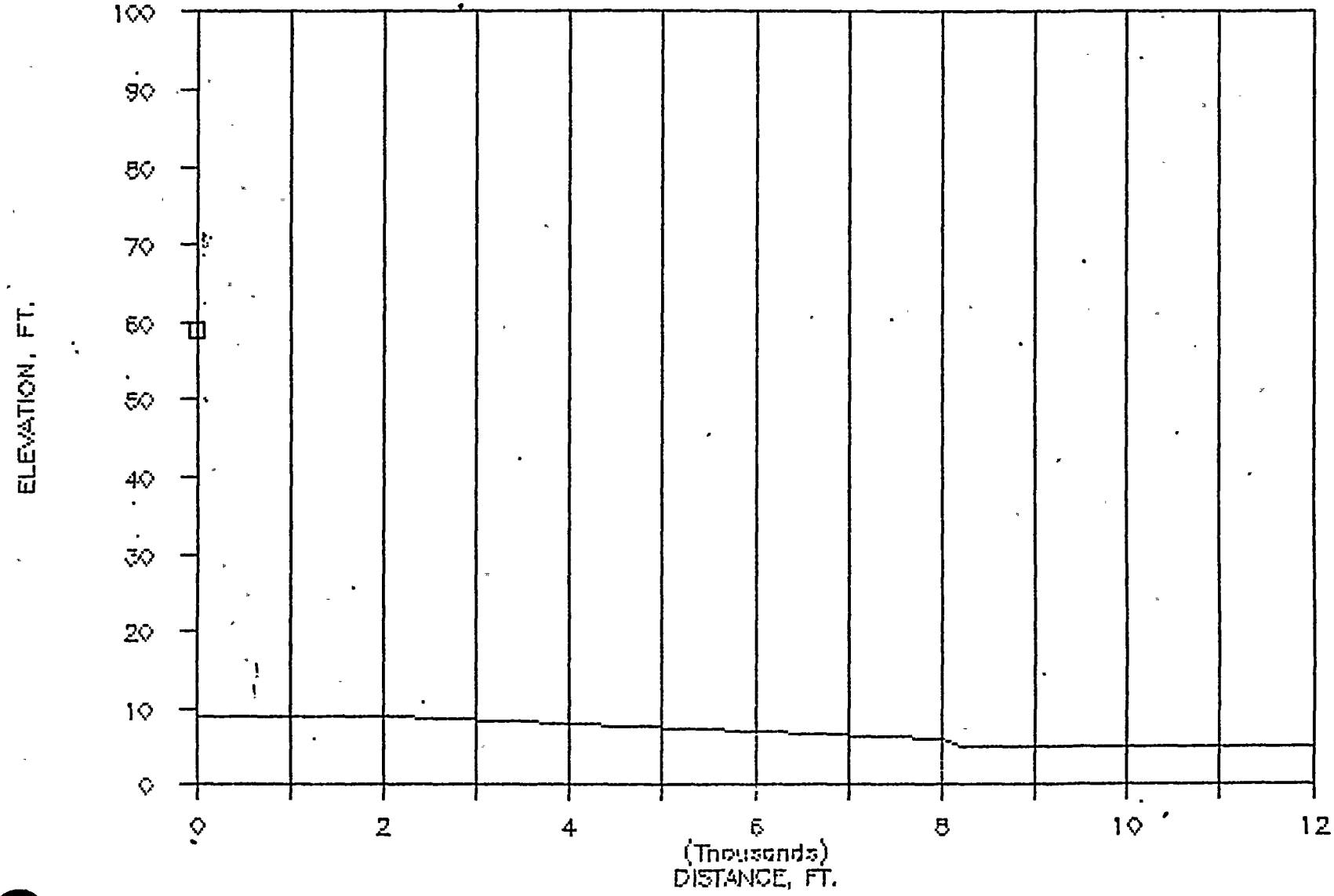
TURKEY POINT 9

AZIMUTH, SW



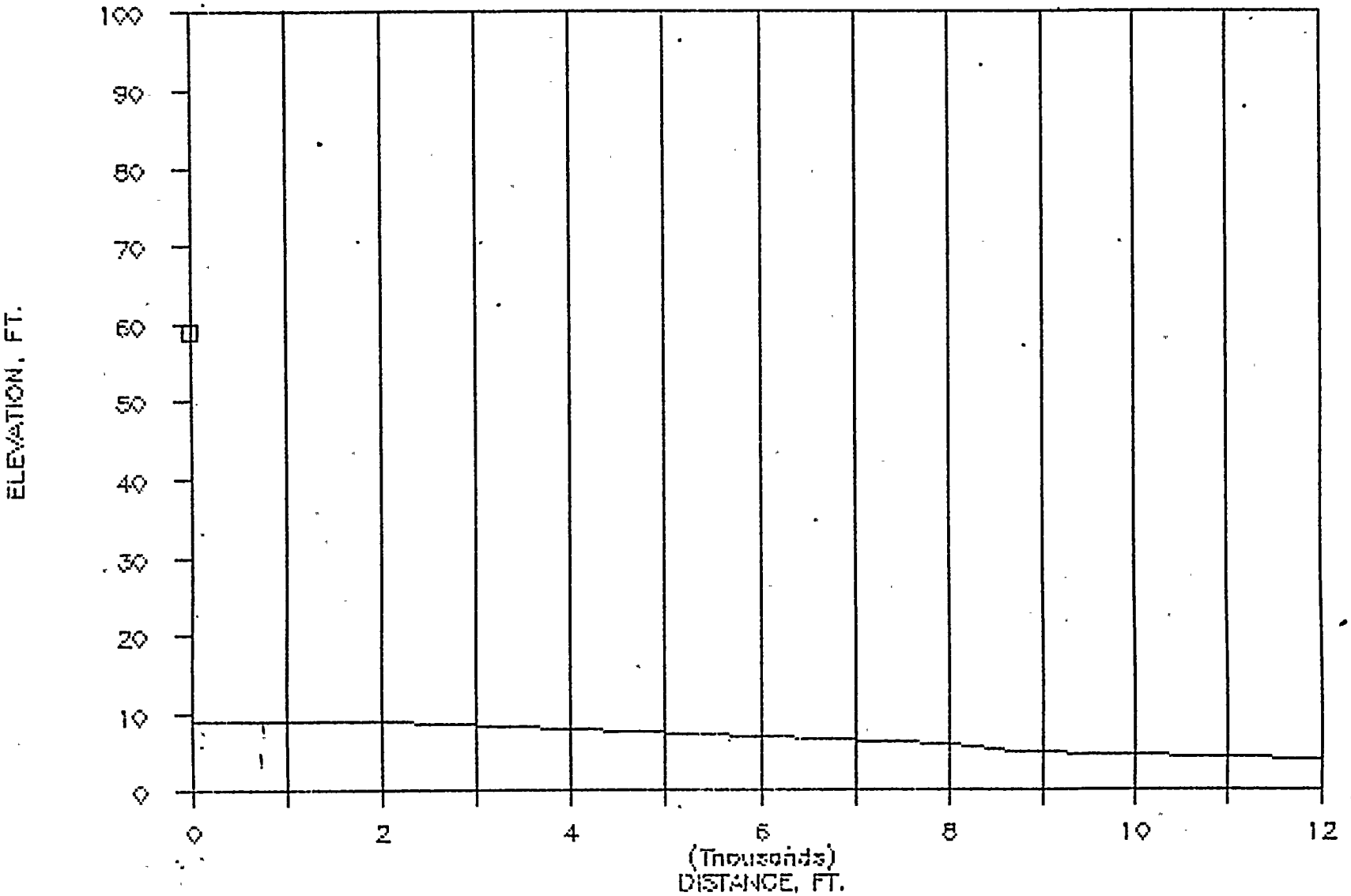
TURKEY POINT 9

AZIMUTH, SSW



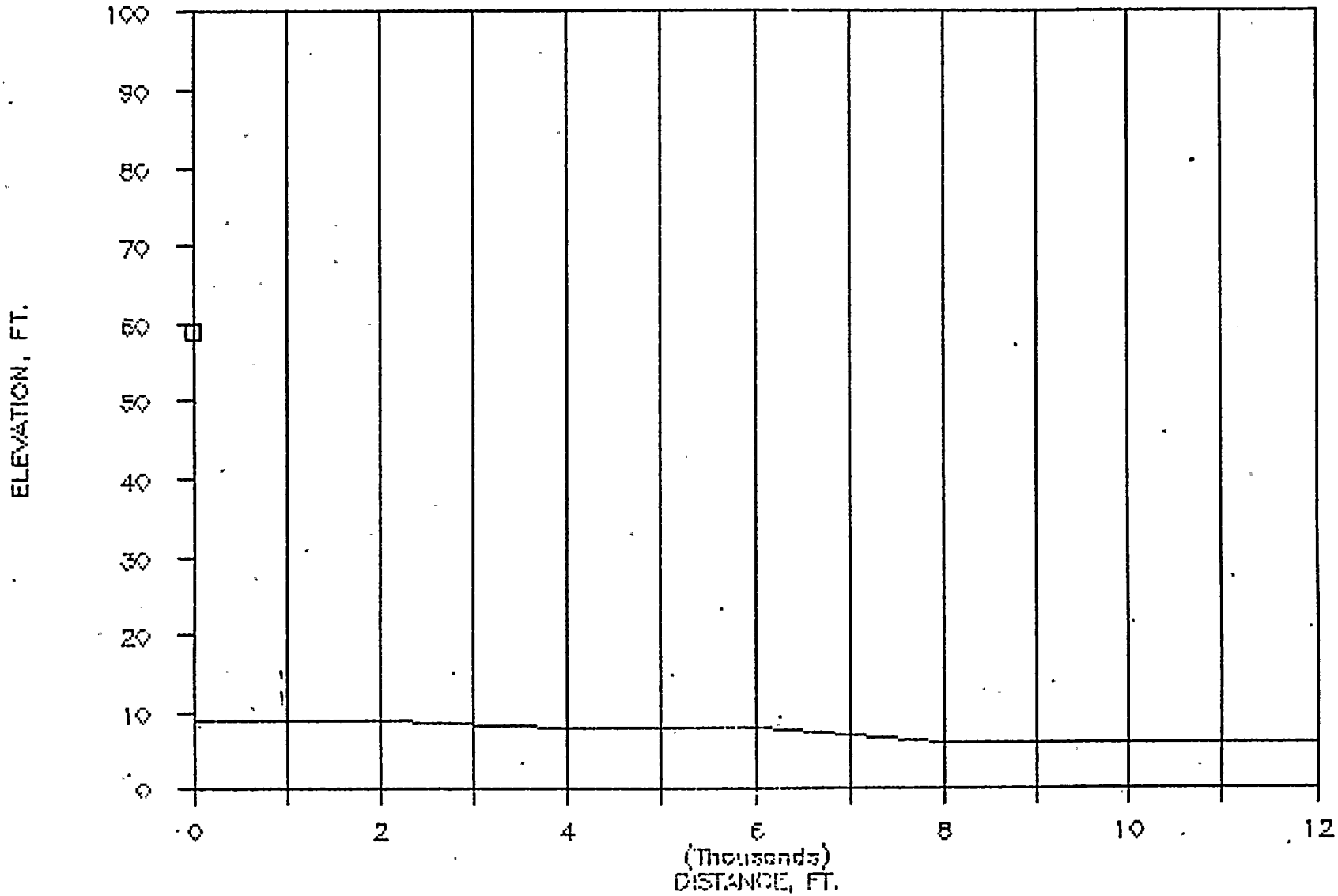
TURKEY POINT 9

AZIMUTH, S



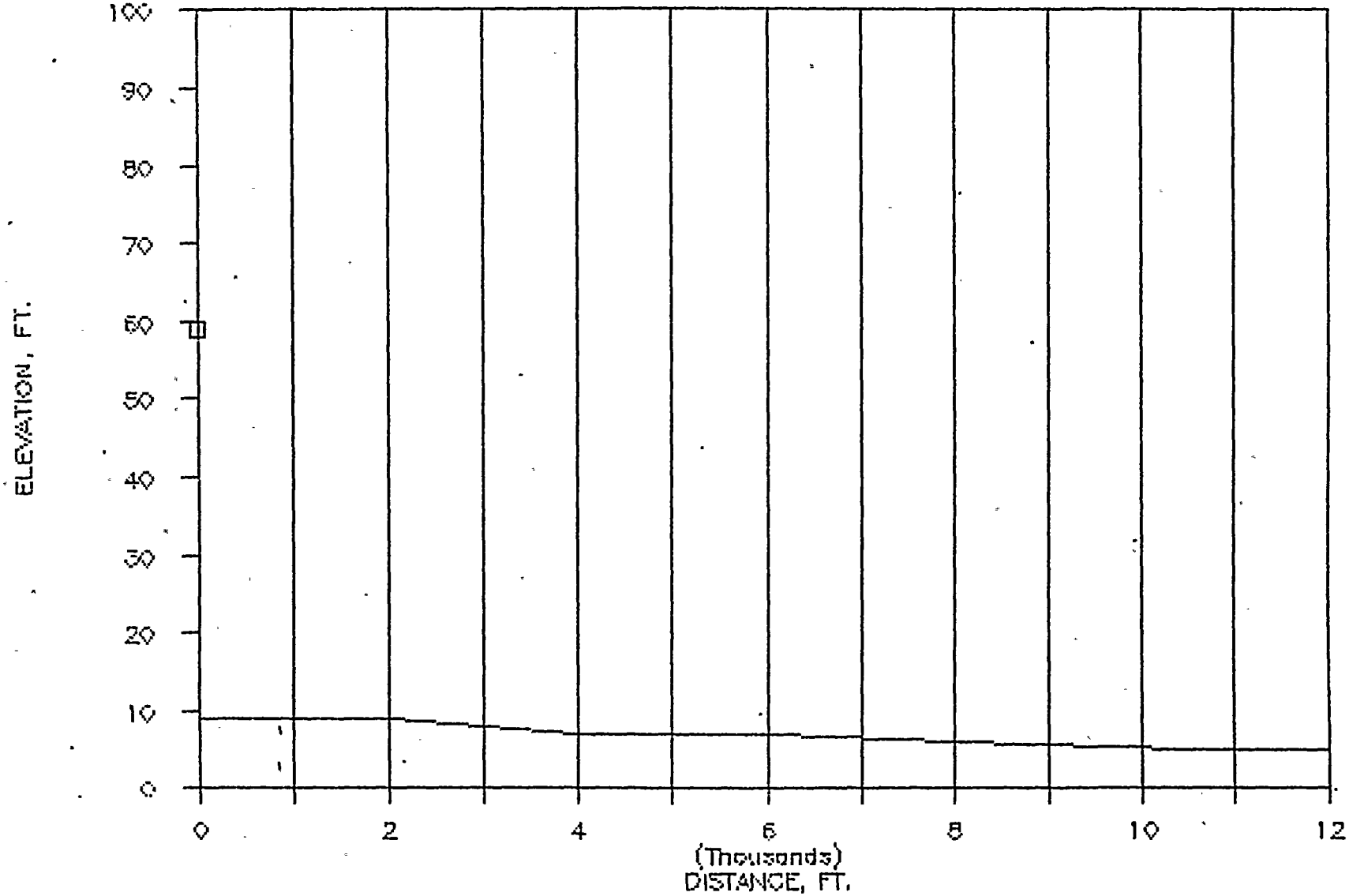
TURKEY POINT 9

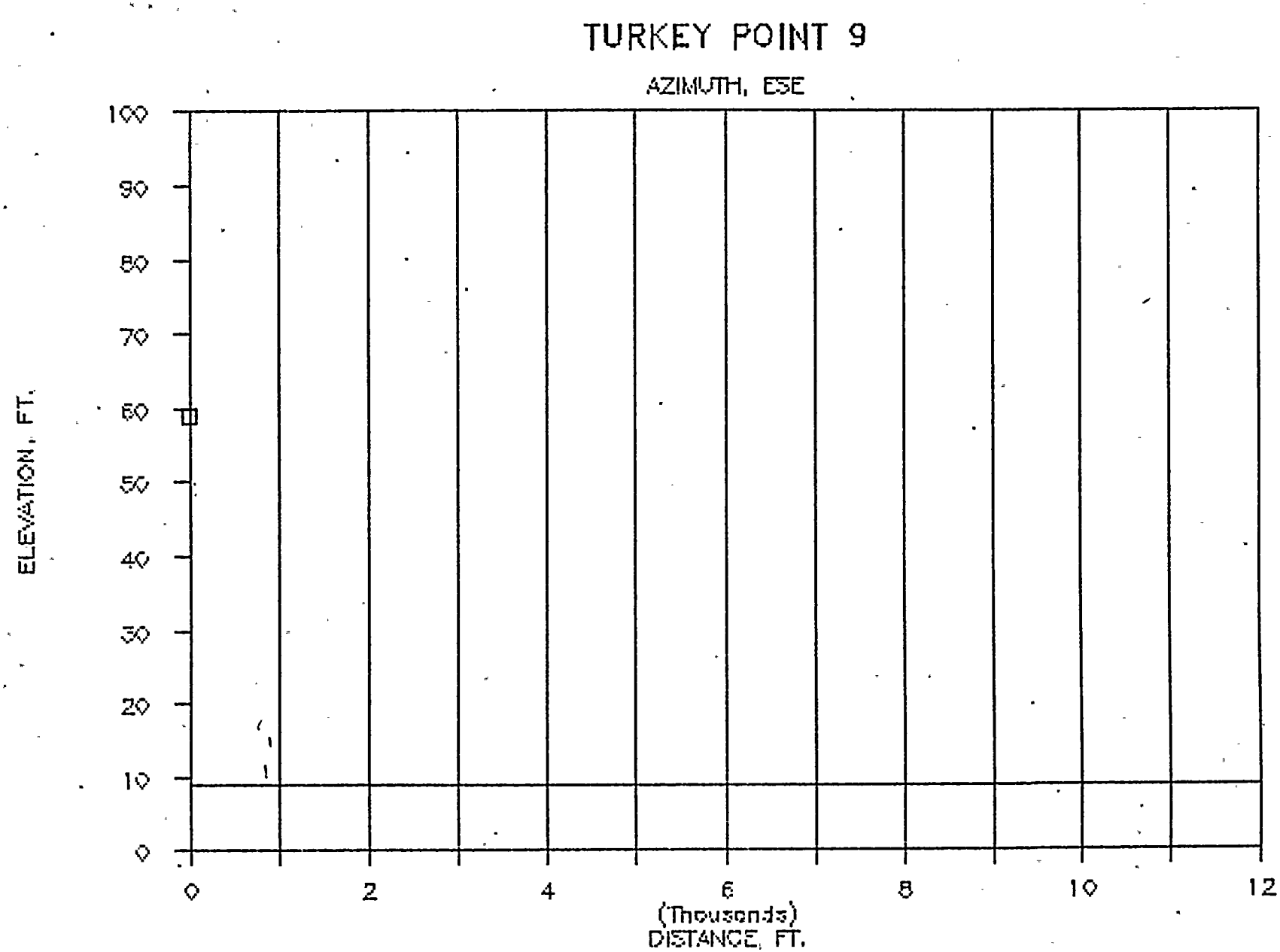
AZIMUTH, SSE



TURKEY POINT 9

AZIMUTH, SE




TURKEY POINT 9
AZIMUTH, ESE
ELEVATION, FT.
100
90
80
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
(Thousands)
DISTANCE, FT.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #9-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	9.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	9.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	9.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	9.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	9.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	7.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	5.00	SOFT	0.	NO	0.	0.
8	500.	67.50	9.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	9.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	9.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	9.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	10.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	8.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	7.00	SOFT	0.	NO	0.	0.
[illegible]	500.	45.00	9.00	SOFT	0.	NO	0.	0.
[illegible]	1000.	45.00	9.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	9.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	10.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	10.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	10.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	10.00	SOFT	0.	NO	0.	0.
22	500.	22.50	9.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	9.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	9.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	9.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	9.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	10.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	10.00	SOFT	0.	NO	0.	0.
29	500.	.00	9.00	SOFT	0.	NO	0.	0.
30	1000.	.00	9.00	SOFT	0.	NO	0.	0.
31	2000.	.00	9.00	SOFT	0.	NO	0.	0.
32	4000.	.00	9.00	SOFT	0.	NO	0.	0.
33	6000.	.00	10.00	SOFT	0.	NO	0.	0.
34	8000.	.00	10.00	SOFT	0.	NO	0.	0.
35	12000.	.00	10.00	SOFT	0.	NO	0.	0.
36	500.	337.50	9.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	9.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	9.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	9.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	9.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	10.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	14.00	SOFT	0.	NO	0.	0.
43	500.	315.00	9.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	9.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	10.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	10.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	10.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	9.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	9.00	SOFT	0.	NO	0.	0.
50	500.	292.50	9.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	9.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	10.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	10.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	10.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	10.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	10.00	SOFT	0.	NO	0.	0.
57	500.	270.00	9.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	9.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	10.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	10.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	10.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	10.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	10.00	SOFT	0.	NO	0.	0.
64	500.	247.50	9.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	9.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	10.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	10.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	9.00	HARD	0.	NO	0.	0.
69	8000.	247.50	9.00	HARD	0.	NO	0.	0.
70	12000.	247.50	9.00	HARD	0.	NO	0.	0.
71	500.	225.00	9.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	9.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	9.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	9.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	9.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	9.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	9.00	HARD	0.	NO	0.	0.
78	500.	202.50	9.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	9.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	9.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	8.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	7.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	6.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	5.00	SOFT	0.	NO	0.	0.
85	500.	180.00	9.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	9.00	SOFT	0.	NO	0.	0.
87	2000.	180.00	9.00	SOFT	0.	NO	0.	0.
88	4000.	180.00	8.00	SOFT	0.	NO	0.	0.
[illegible]	6000.	180.00	7.00	SOFT	0.	NO	0.	0.
[illegible]	8000.	180.00	6.00	SOFT	0.	NO	0.	0.
91	12000.	180.00	4.00	SOFT	0.	NO	0.	0.
92	500.	157.50	9.00	SOFT	0.	NO	0.	0.
93	1000.	157.50	9.00	SOFT	0.	NO	0.	0.
94	2000.	157.50	9.00	SOFT	0.	NO	0.	0.
95	4000.	157.50	8.00	SOFT	0.	NO	0.	0.
96	6000.	157.50	8.00	SOFT	0.	NO	0.	0.
97	8000.	157.50	6.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	6.00	SOFT	0.	NO	0.	0.
99	500.	135.00	9.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	9.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	9.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	7.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	7.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	6.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	5.00	SOFT	0.	NO	0.	0.
106	500.	112.50	9.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	9.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	9.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	9.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	9.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	9.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	9.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #9-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 9.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #9-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.06 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #9-WS3000

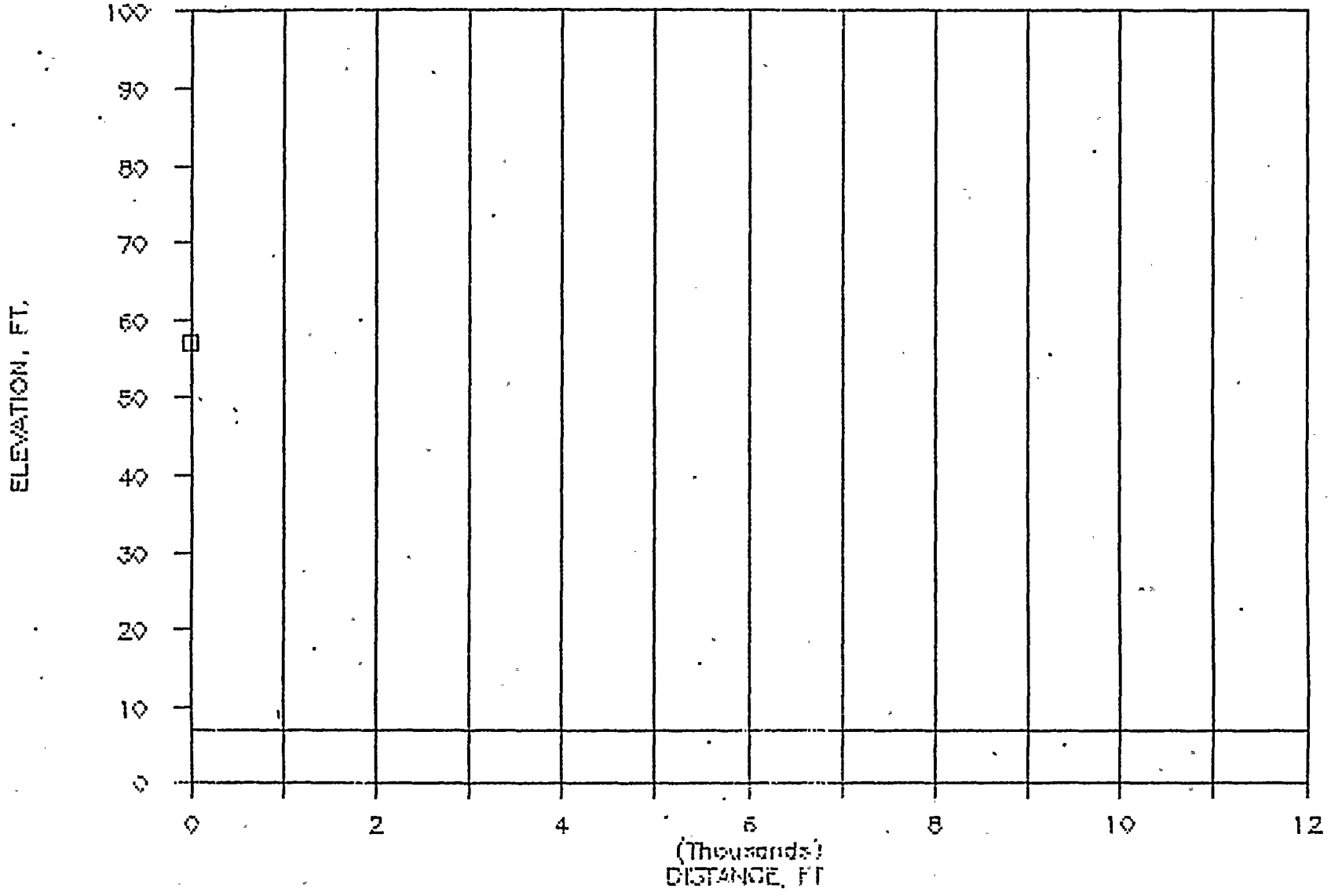
SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	75.	70.	62.
SW	106.	96.	84.	75.	70.	66.	62.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	92.	70.	45.	40.	36.	29.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	91.	69.	45.	40.	36.	29.

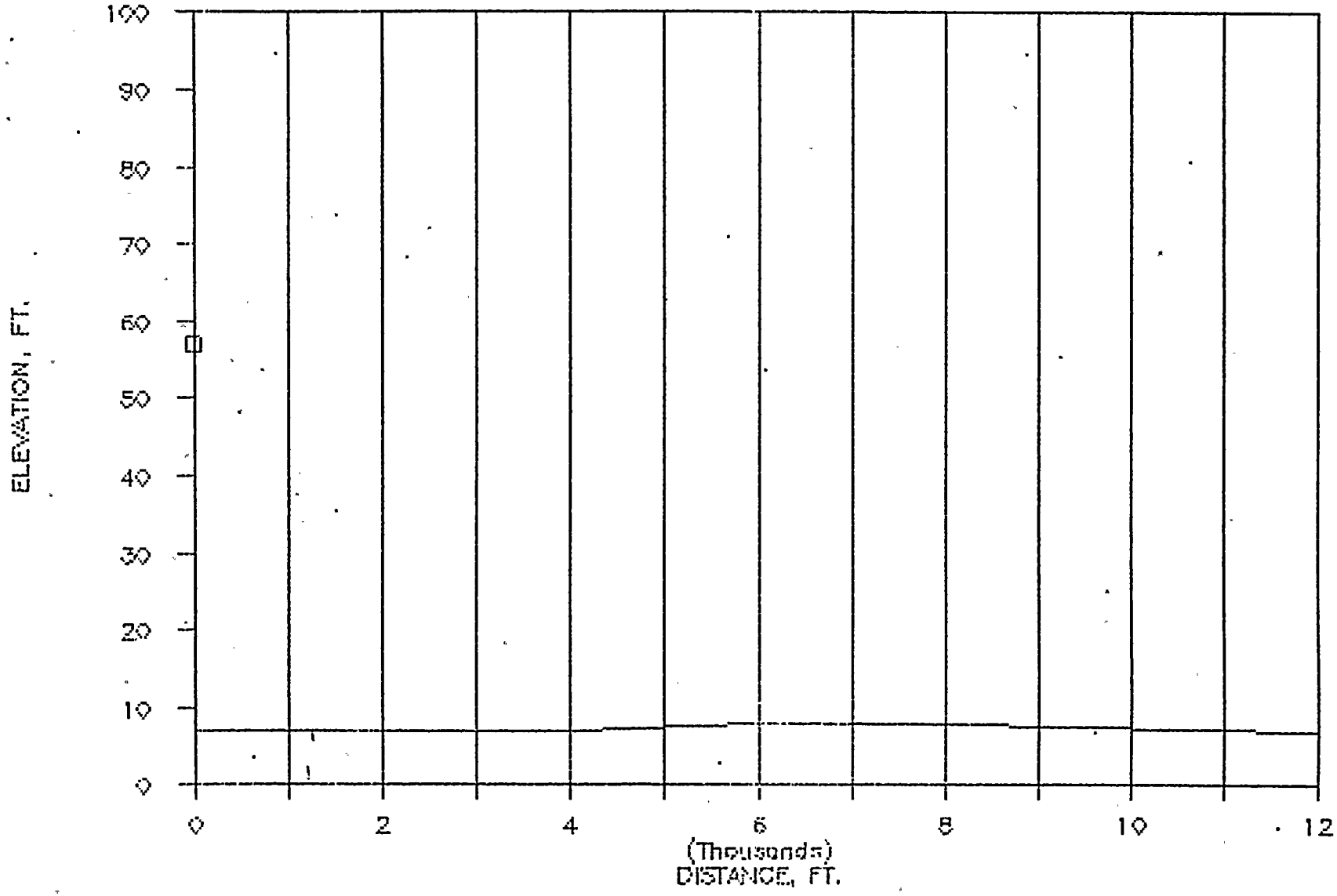
TURKEY POINT 10

AZIMUTH, E



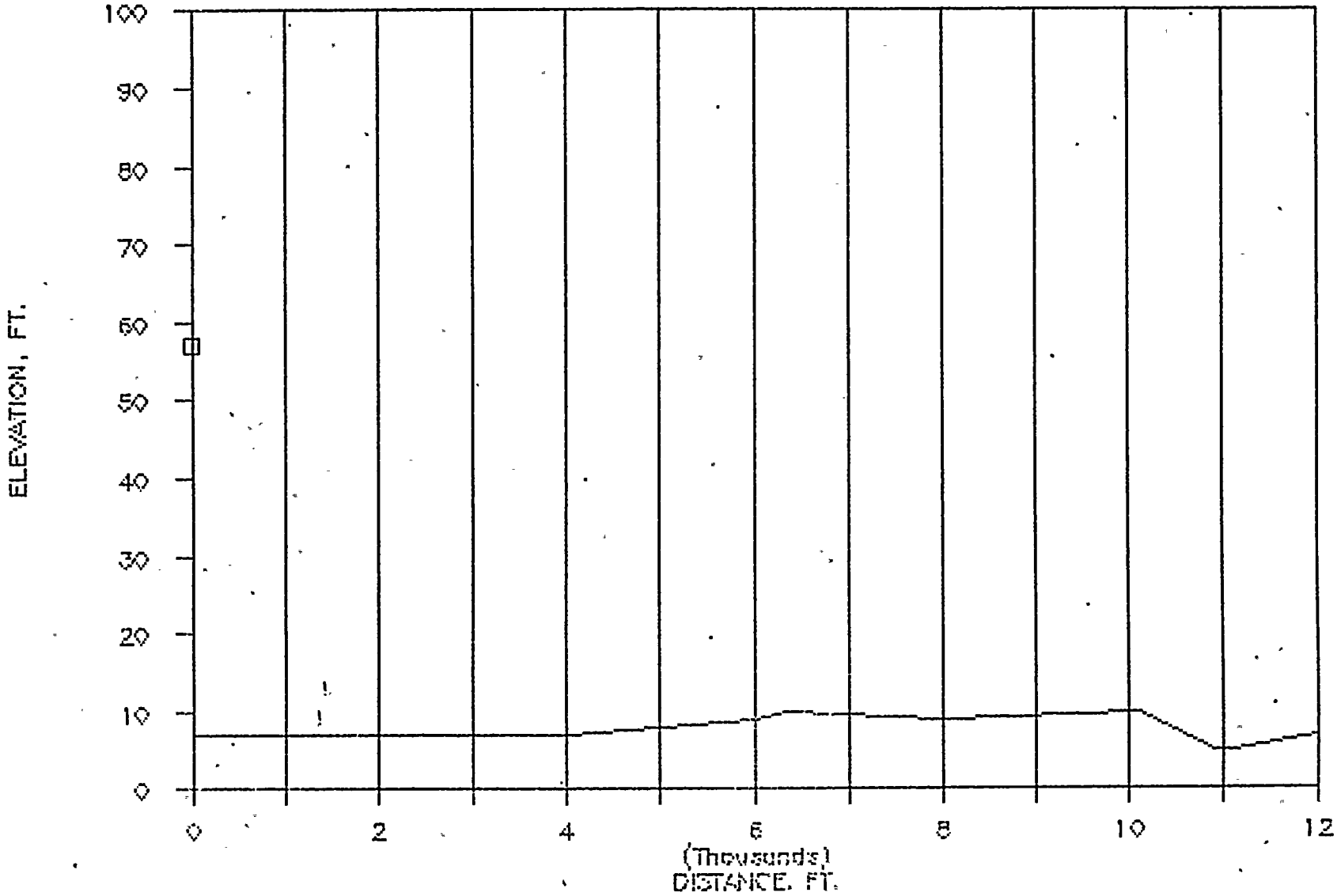
TURKEY POINT 10

AZIMUTH, ENE



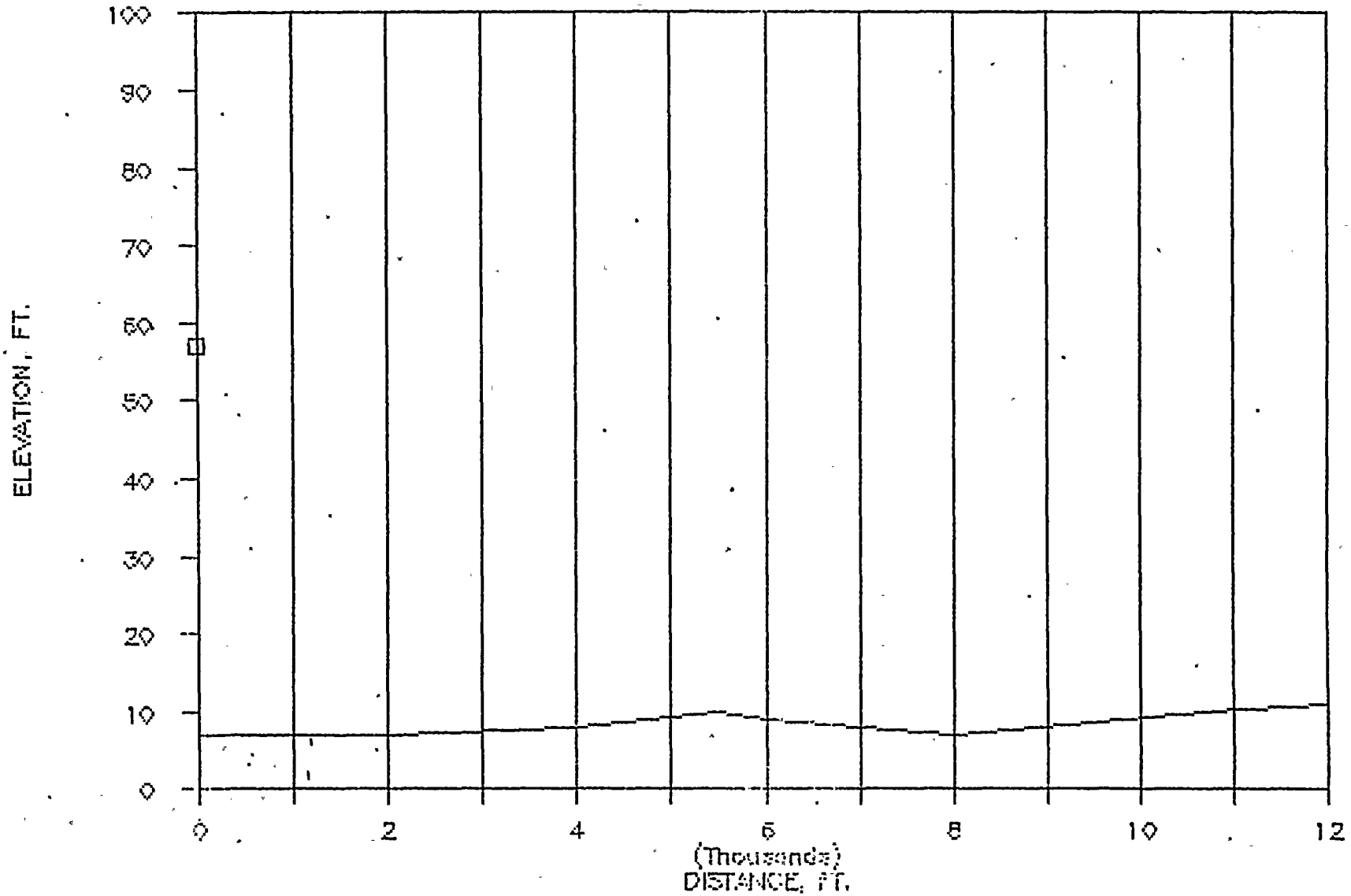
TURKEY POINT 10

AZIMUTH, NE

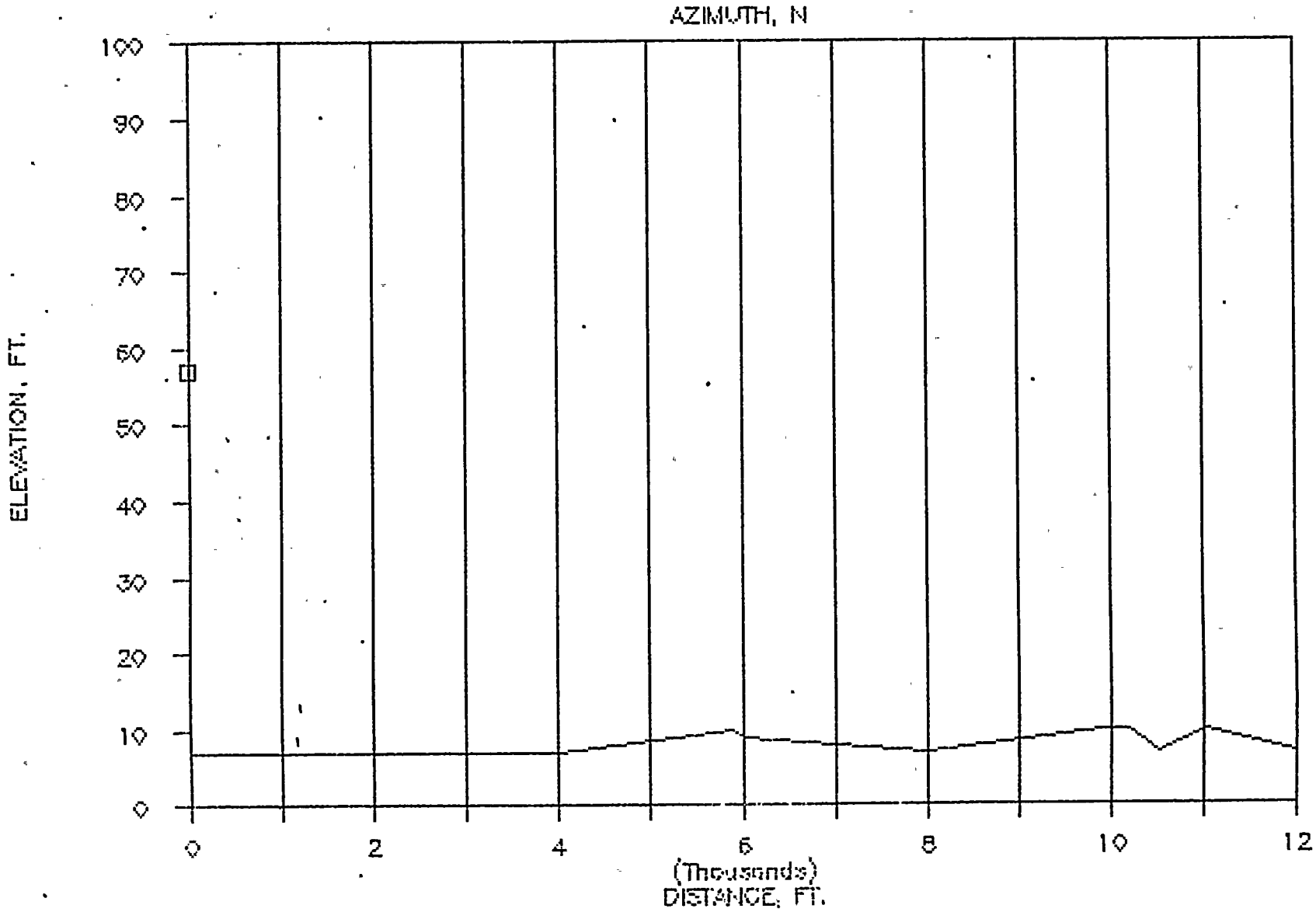


TURKEY POINT 10

AZIMUTH, NNE

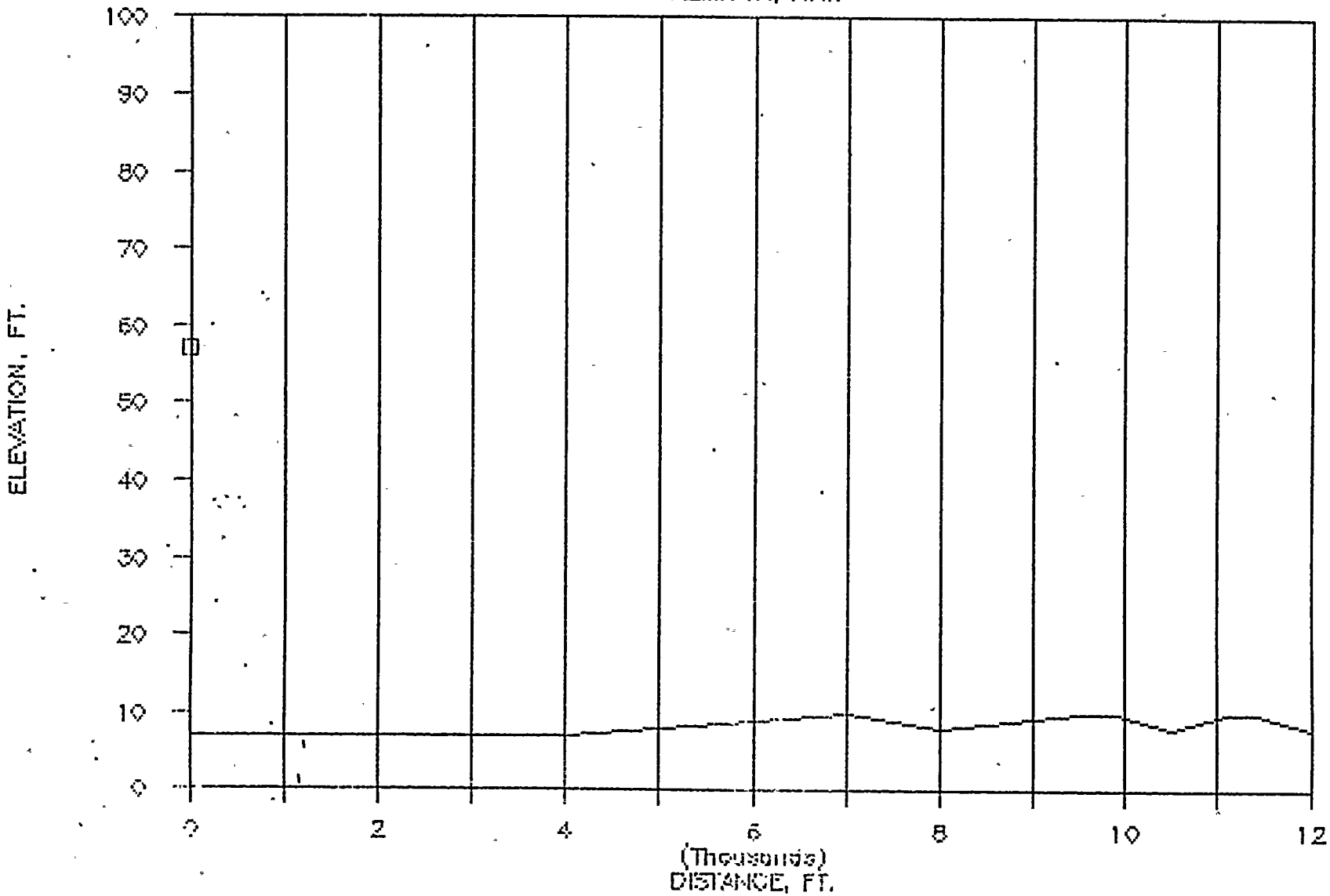


TURKEY POINT 10



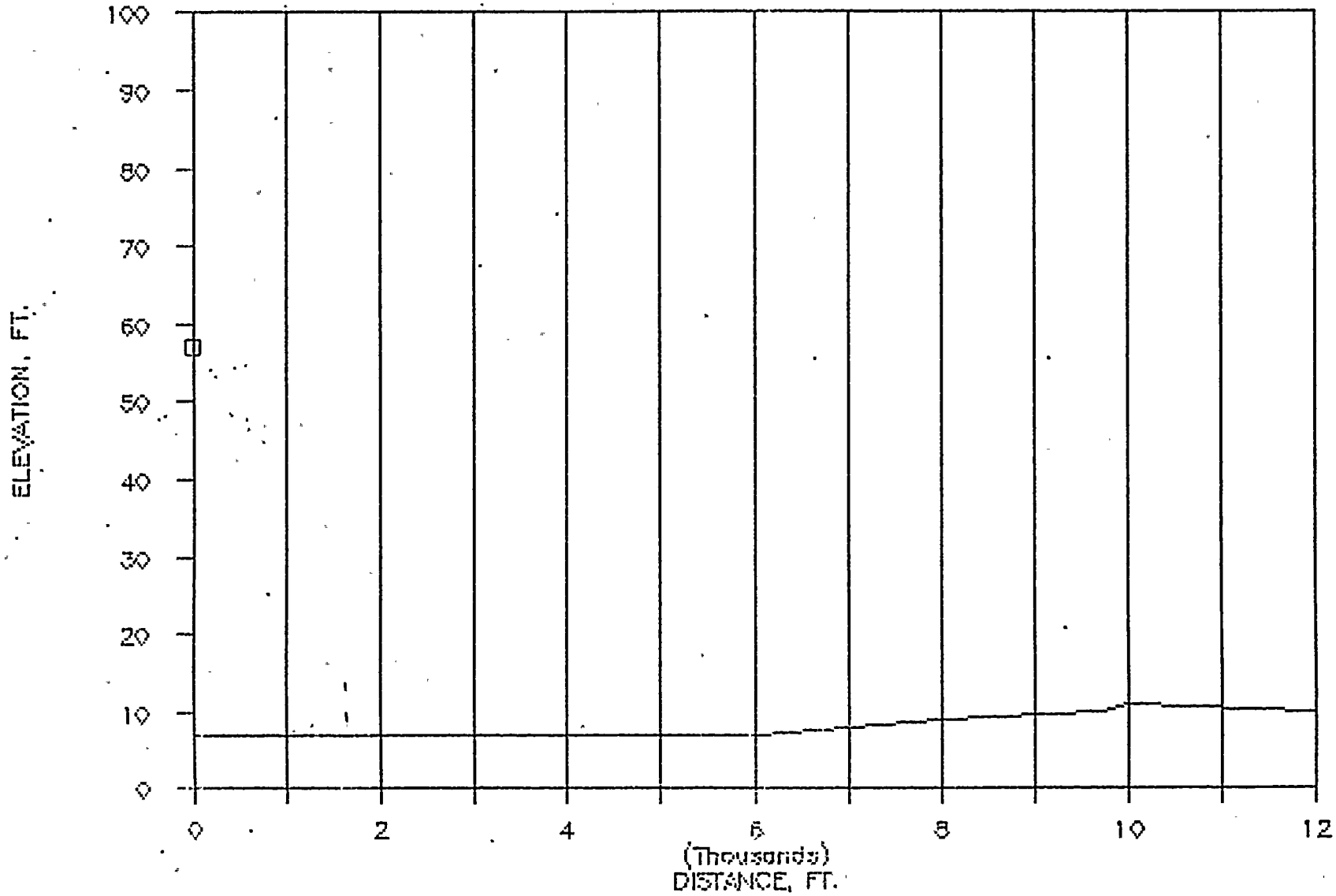
TURKEY POINT 10

AZIMUTH, NNW



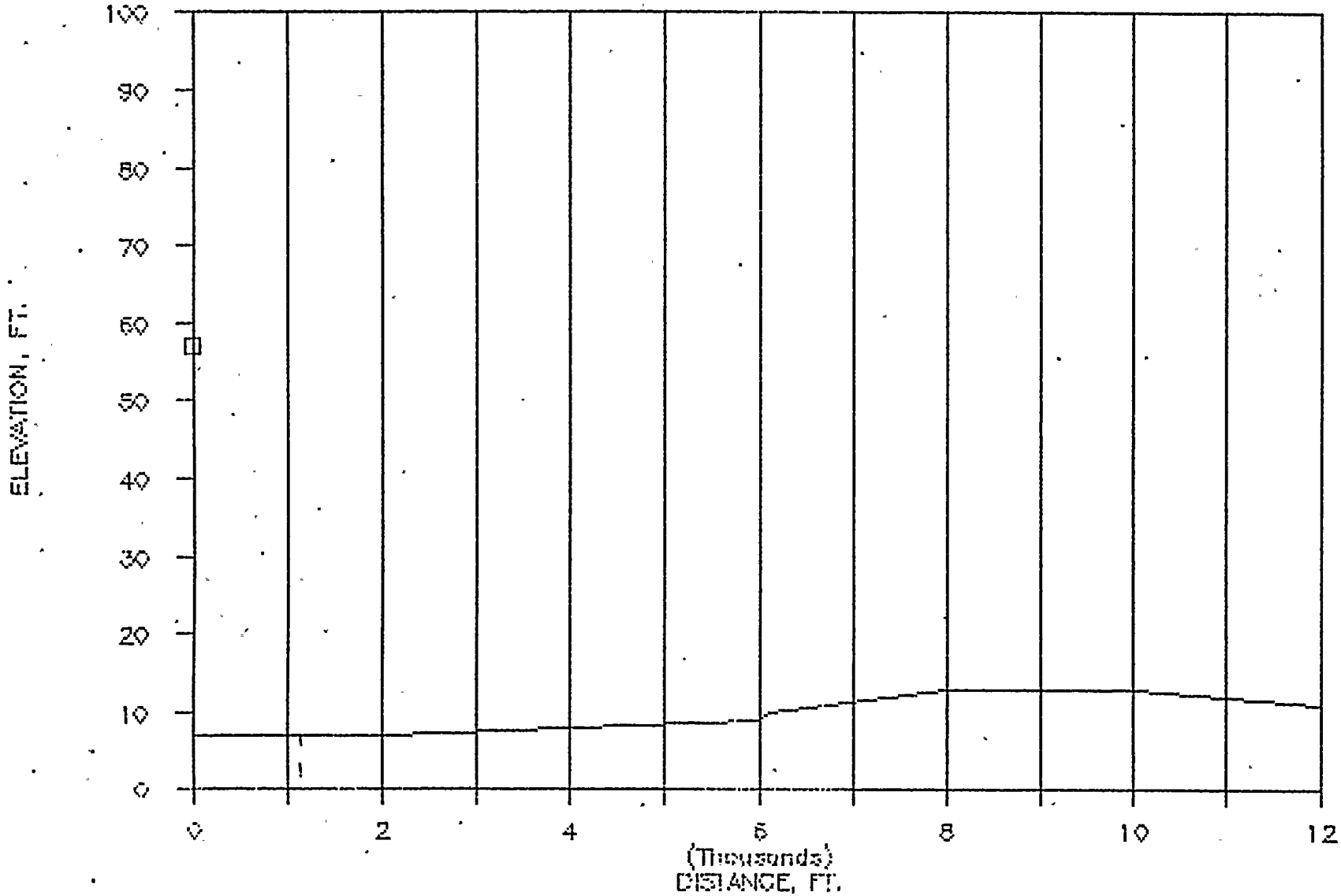
TURKEY POINT 10

AZIMUTH, NW



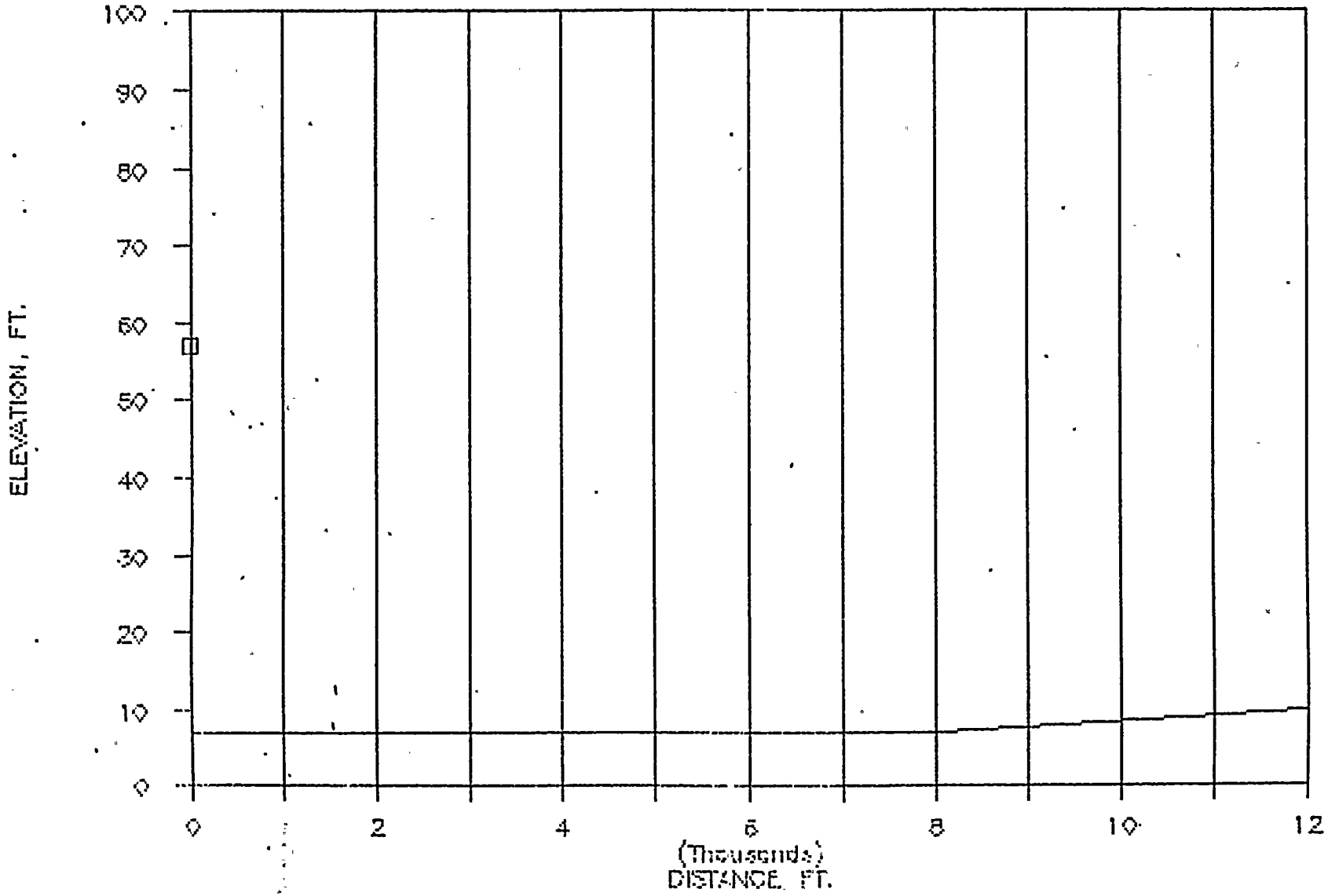
TURKEY POINT 10

AZIMUTH, WNW



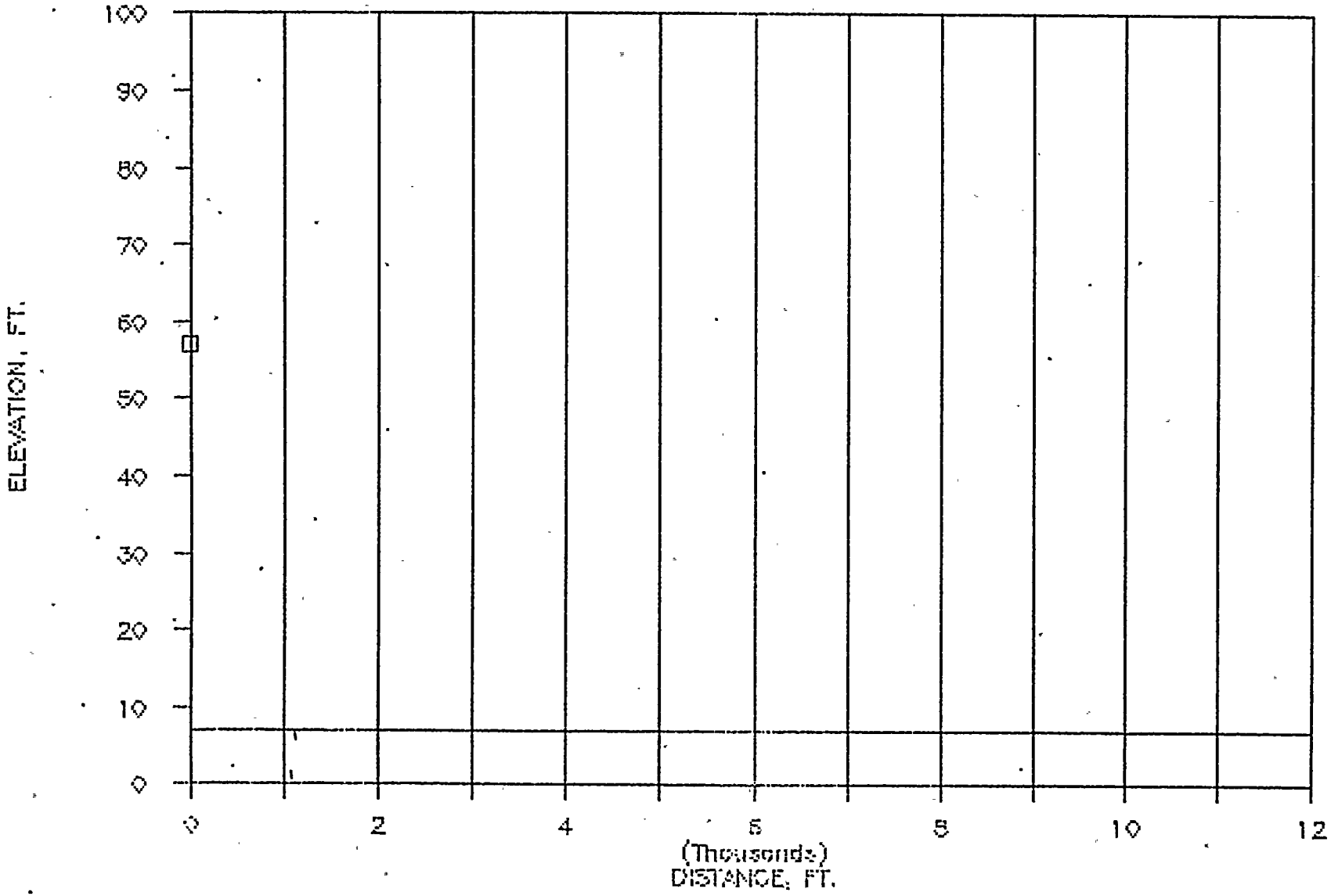
TURKEY POINT 10

AZIMUTH, W



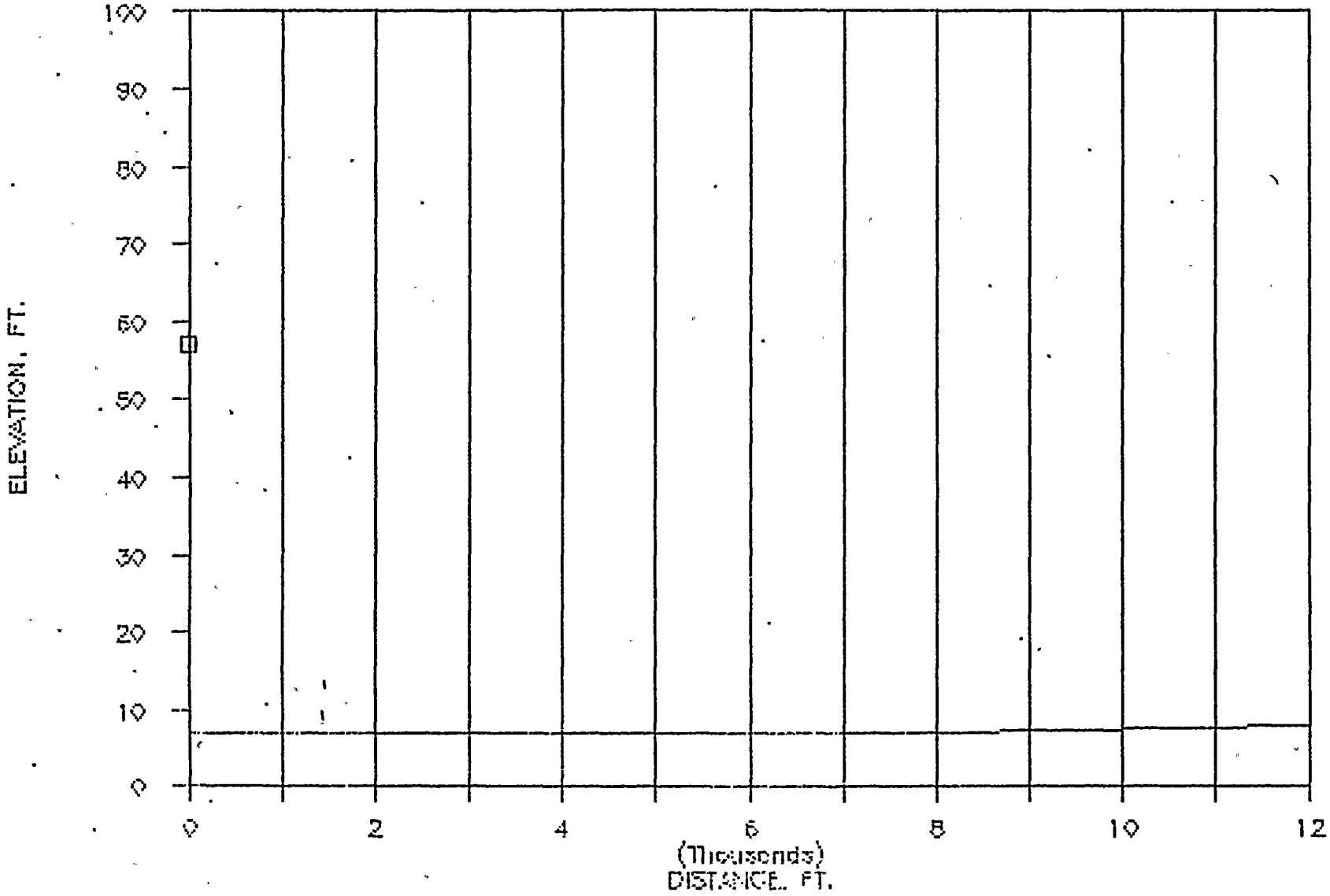
TURKEY POINT 10

AZIMUTH, WSW



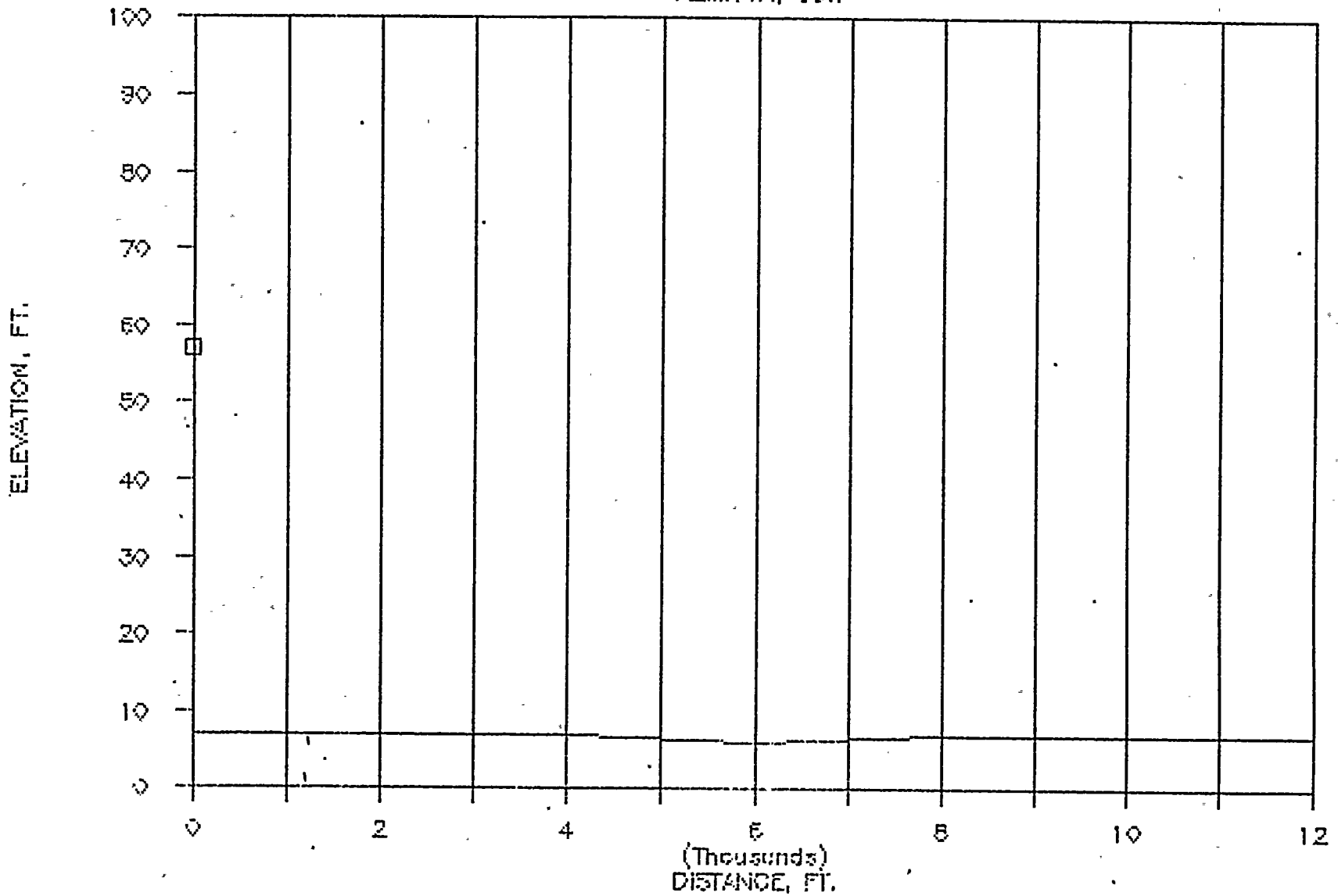
TURKEY POINT 10

AZIMUTH, SW



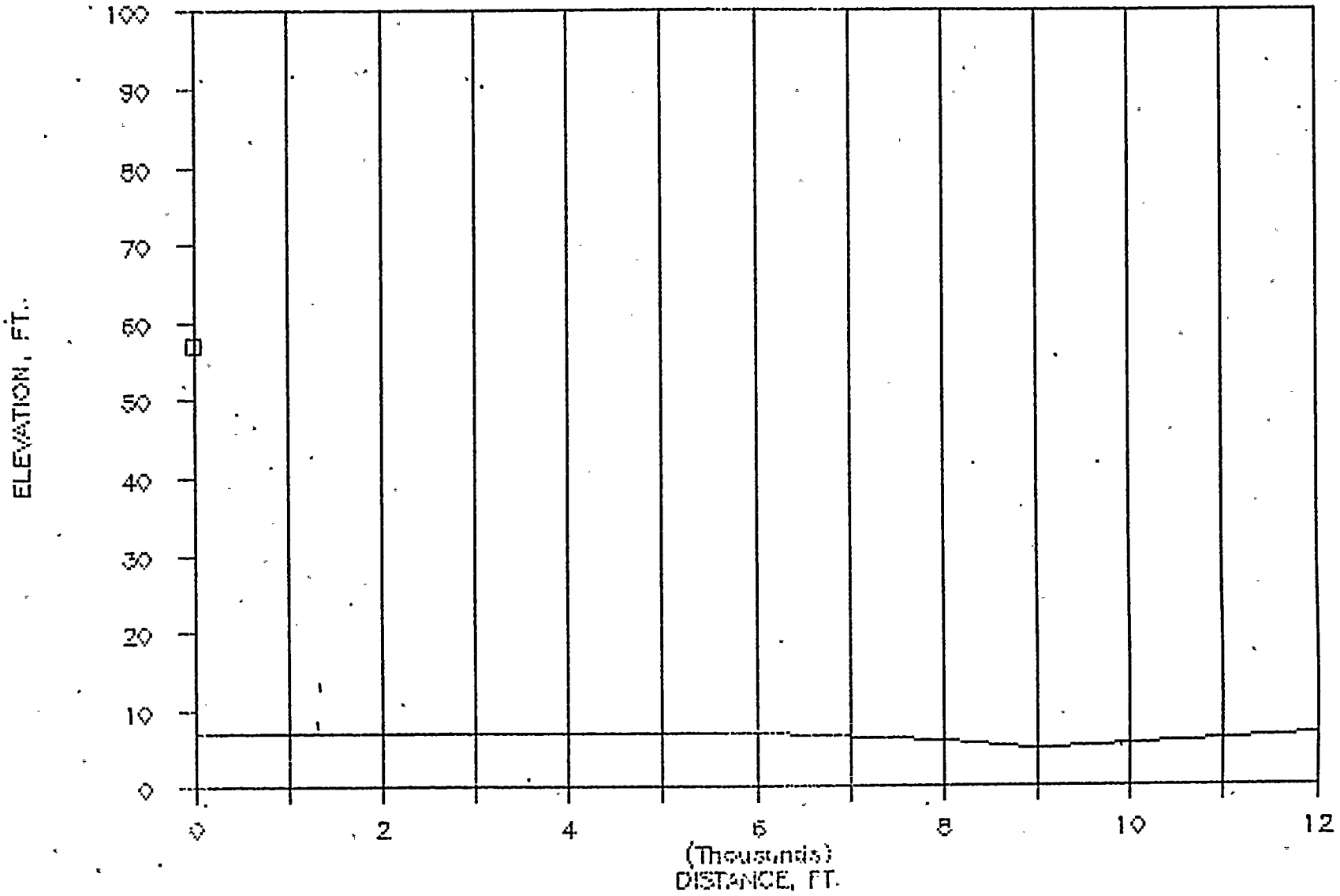
TURKEY POINT 10

AZIMUTH, SSW



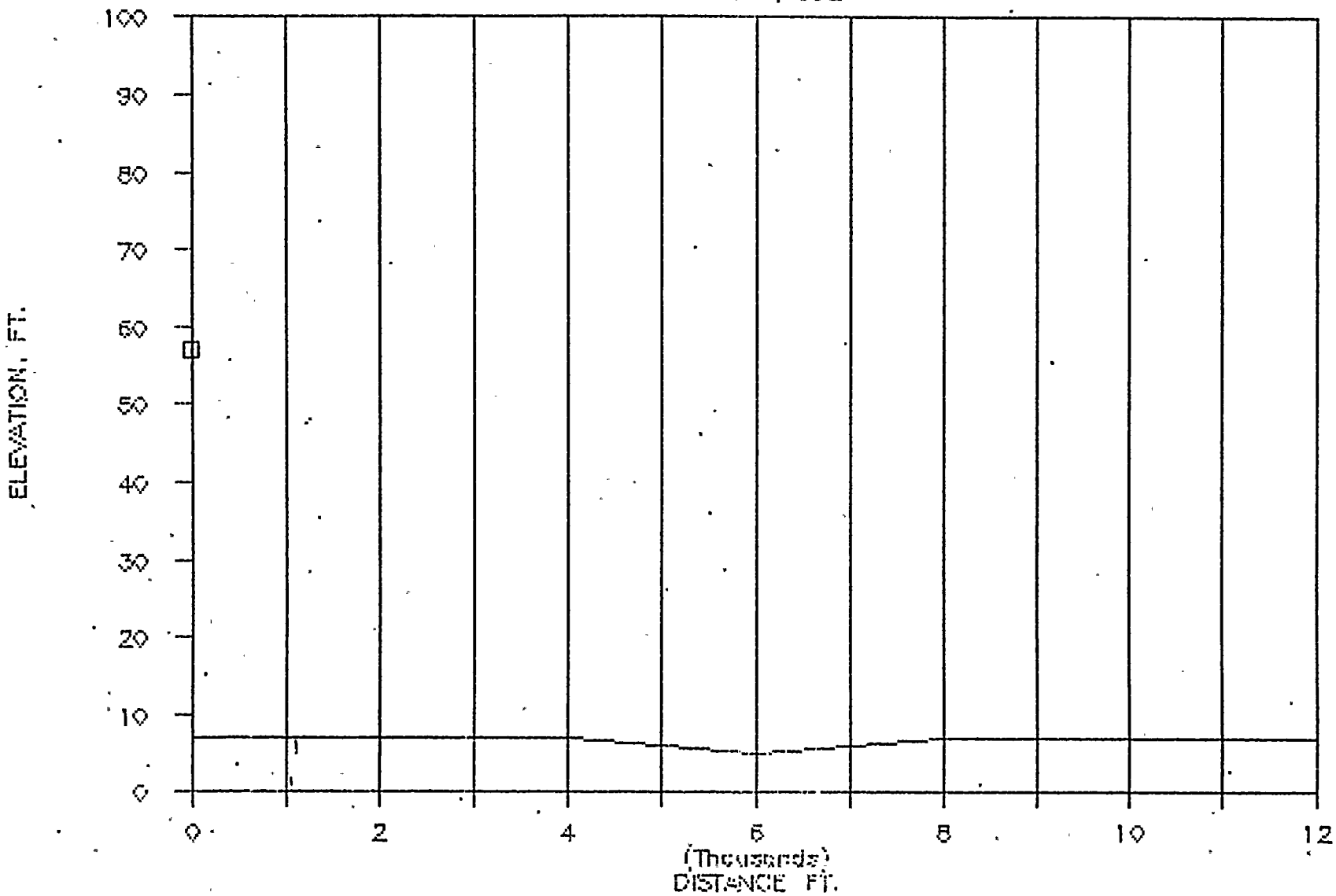
TURKEY POINT 10

AZIMUTH, S



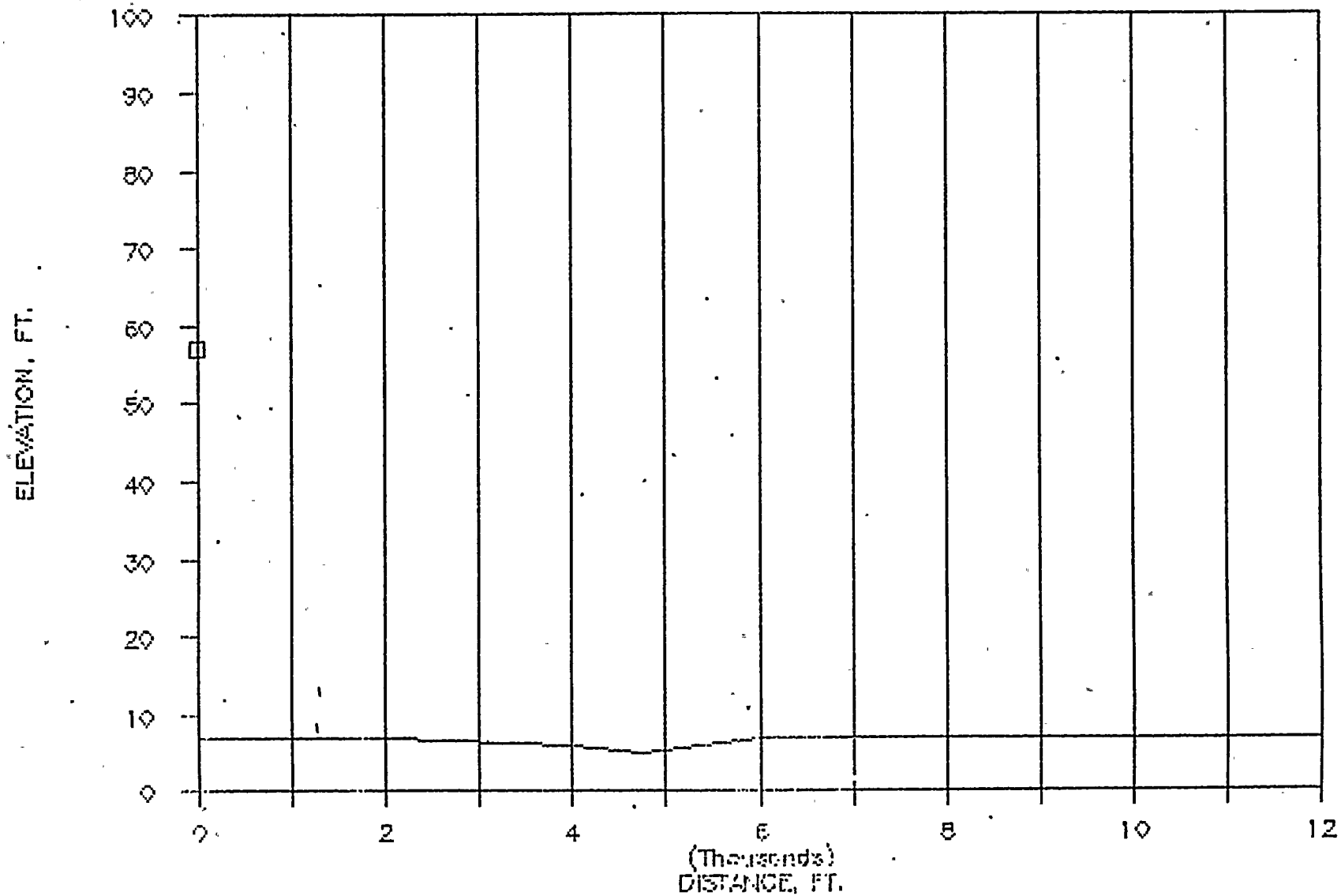
TURKEY POINT 10

AZIMUTH, SSE



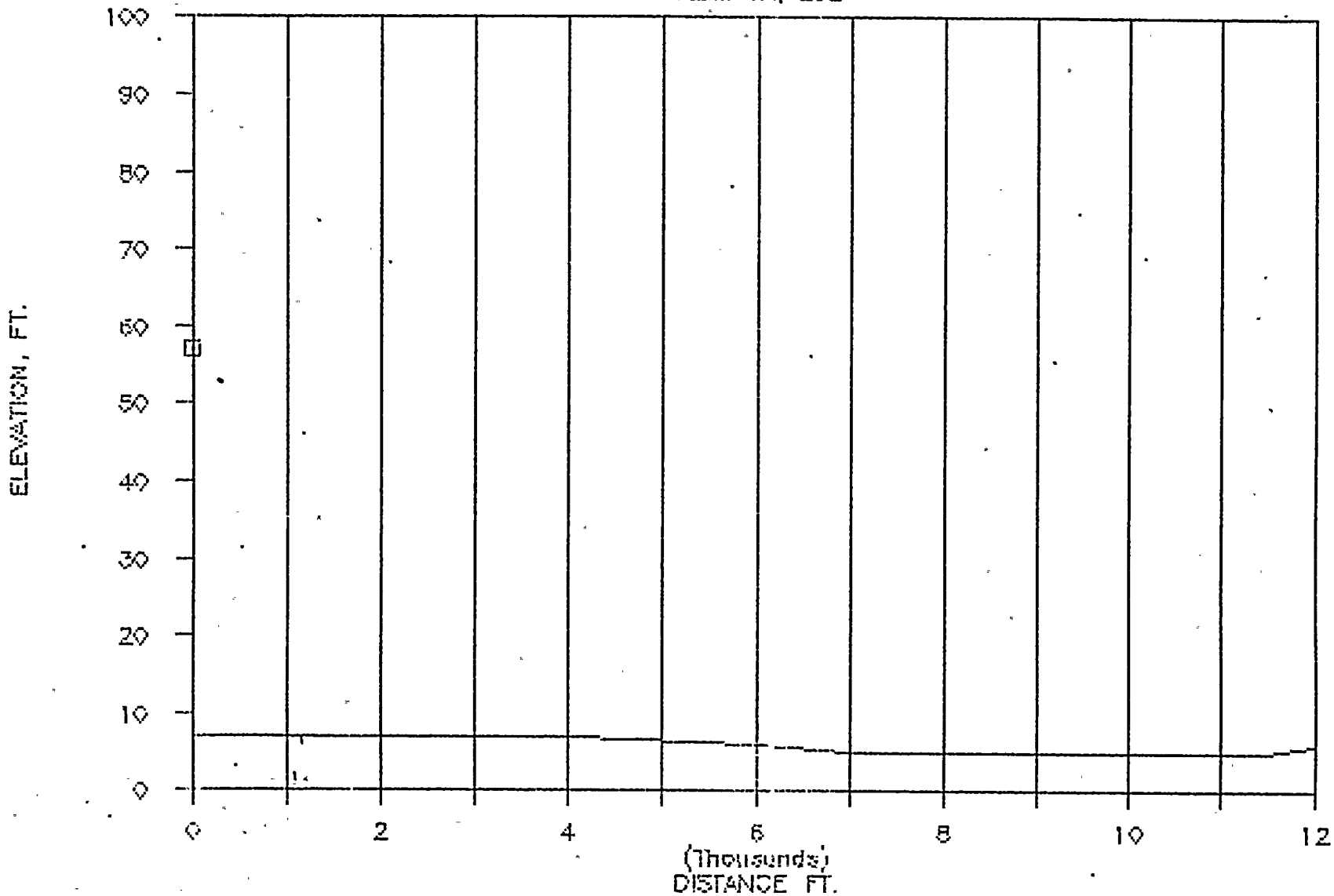
TURKEY POINT 10

AZIMUTH, SE



TURKEY POINT 10

AZIMUTH, ESE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #10-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	7.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	7.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	7.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	7.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	7.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	7.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	7.00	SOFT	0.	NO	0.	0.
8	500.	67.50	7.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	7.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	7.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	7.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	8.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	8.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	7.00	SOFT	0.	NO	0.	0.
15	500.	45.00	7.00	SOFT	0.	NO	0.	0.
16	1000.	45.00	7.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	7.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	7.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	9.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	9.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	7.00	SOFT	0.	NO	0.	0.
22	500.	22.50	7.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	7.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	7.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	8.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	9.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	7.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	4.00	SOFT	0.	NO	0.	0.
29	500.	.00	7.00	SOFT	0.	NO	0.	0.
30	1000.	.00	7.00	SOFT	0.	NO	0.	0.
31	2000.	.00	7.00	SOFT	0.	NO	0.	0.
32	4000.	.00	7.00	SOFT	0.	NO	0.	0.
33	6000.	.00	9.00	SOFT	0.	NO	0.	0.
34	8000.	.00	7.00	SOFT	0.	NO	0.	0.
35	12000.	.00	7.00	SOFT	0.	NO	0.	0.
36	500.	337.50	7.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	7.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	7.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	7.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	9.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	8.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	8.00	SOFT	0.	NO	0.	0.
43	500.	315.00	7.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	7.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	7.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	7.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	7.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	9.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	10.00	SOFT	0.	NO	0.	0.
50	500.	292.50	7.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	7.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	7.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	8.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	9.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	13.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	11.00	SOFT	0.	NO	0.	0.
[illegible]	500.	270.00	7.00	SOFT	0.	NO	0.	0.
[illegible]	1000.	270.00	7.00	SOFT	0.	NO	0.	0.
[illegible]	2000.	270.00	7.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	7.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	7.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	7.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	10.00	SOFT	0.	NO	0.	0.
64	500.	247.50	7.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	7.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	7.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	7.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	7.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	7.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	7.00	SOFT	0.	NO	0.	0.
71	500.	225.00	7.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	7.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	7.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	7.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	7.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	7.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	8.00	SOFT	0.	NO	0.	0.
78	500.	202.50	7.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	7.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	7.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	7.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	6.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	7.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	7.00	SOFT	0.	NO	0.	0.
85	500.	180.00	7.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	7.00	SOFT	0.	NO	0.	[illegible]
87	2000.	180.00	7.00	SOFT	0.	NO	0.	.
88	4000.	180.00	7.00	SOFT	0.	NO	0.	.
89	6000.	180.00	7.00	SOFT	0.	NO	0.	[illegible]
90	8000.	180.00	6.00	SOFT	0.	NO	0.	
91	12000.	180.00	7.00	SOFT	0.	NO	0.	
92	500.	157.50	7.00	SOFT	0.	NO	0.	[illegible]
93	1000.	157.50	7.00	SOFT	0.	NO	0.	0.
94	2000.	157.50	7.00	SOFT	0.	NO	0.	0.
95	4000.	157.50	7.00	SOFT	0.	NO	0.	0.
96	6000.	157.50	5.00	SOFT	0.	NO	0.	0.
97	8000.	157.50	7.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	7.00	SOFT	0.	NO	0.	0.
99	500.	135.00	7.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	7.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	7.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	6.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	7.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	7.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	7.00	SOFT	0.	NO	0.	0.
106	500.	112.50	7.00	SOFT	0.	NO	0.	.
107	1000.	112.50	7.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	7.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	7.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	6.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	5.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	6.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #10-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 3.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #10-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.06 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

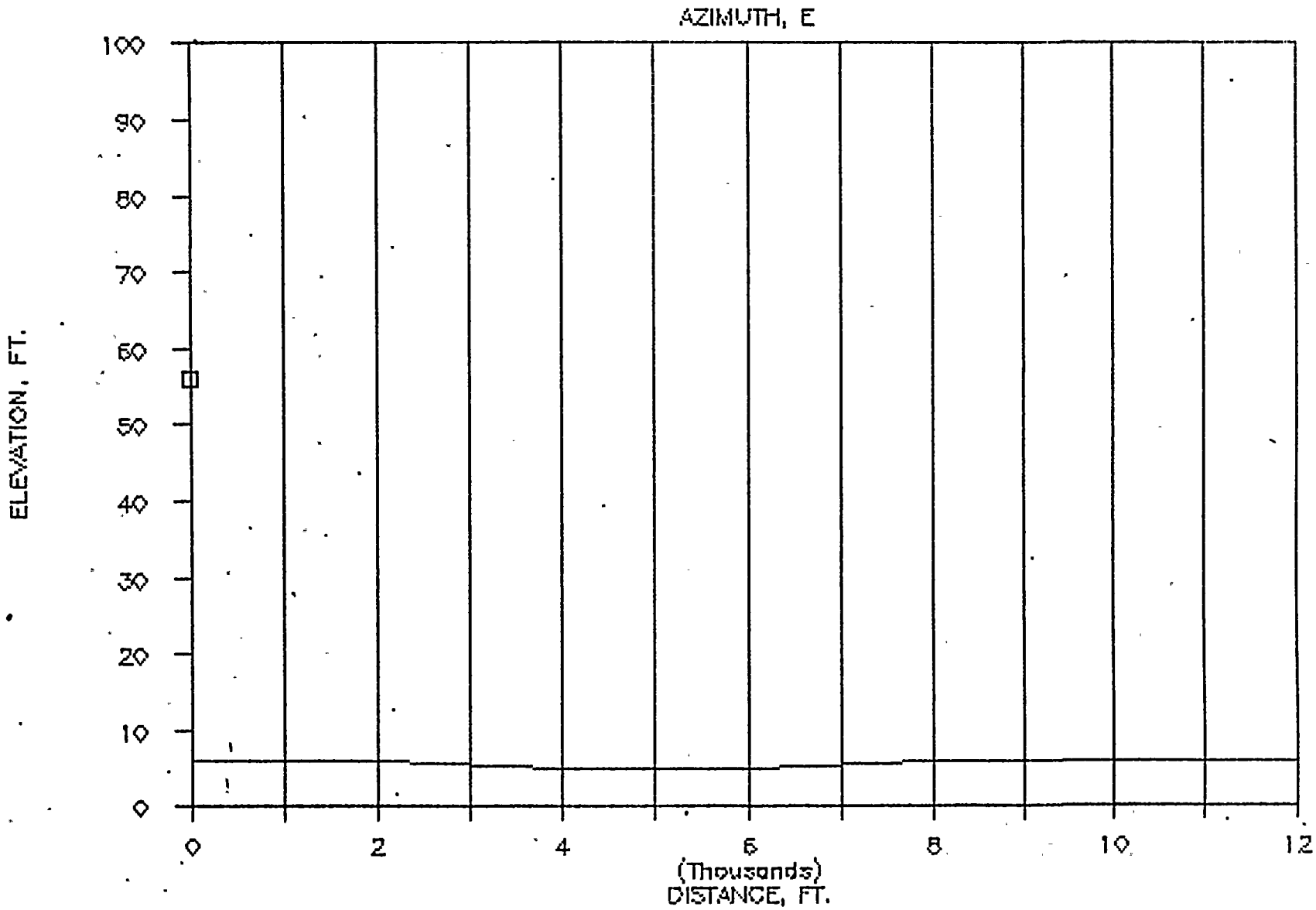
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #10-WS3000

SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

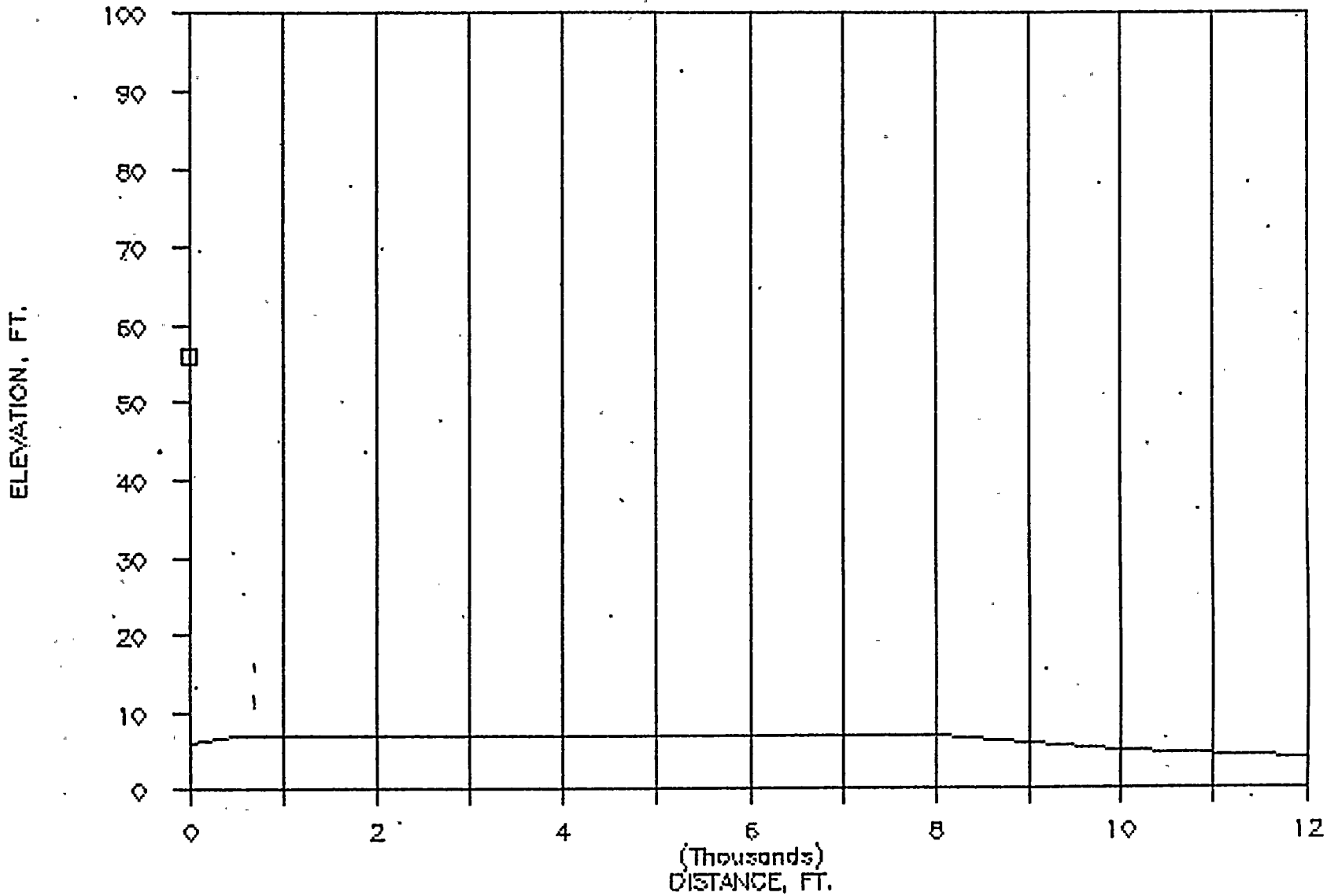
AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	92.	70.	45.	40.	36.	29.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	91.	69.	45.	40.	36.	29.

TURKEY POINT 11

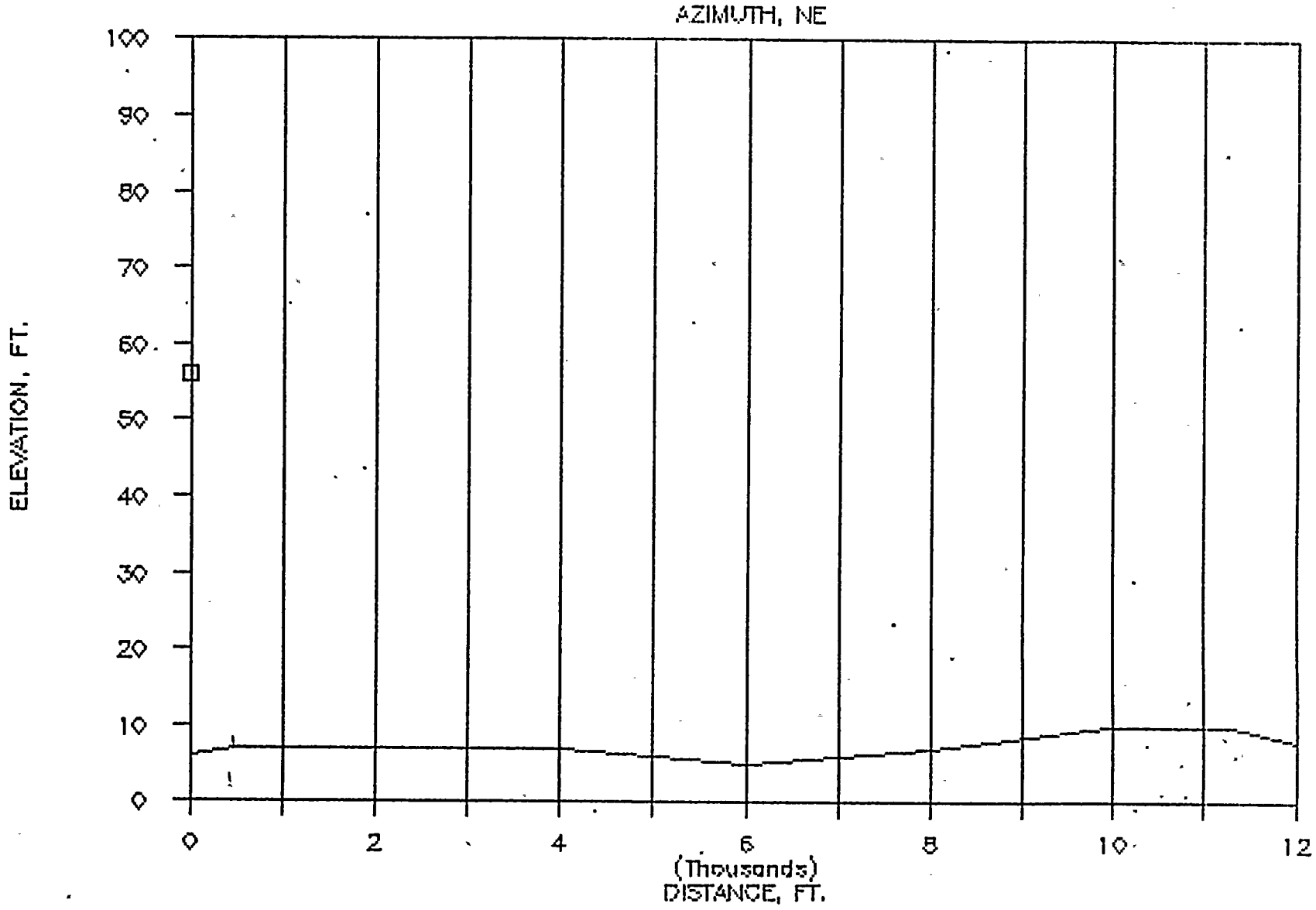


TURKEY POINT 11

AZIMUTH, ENE

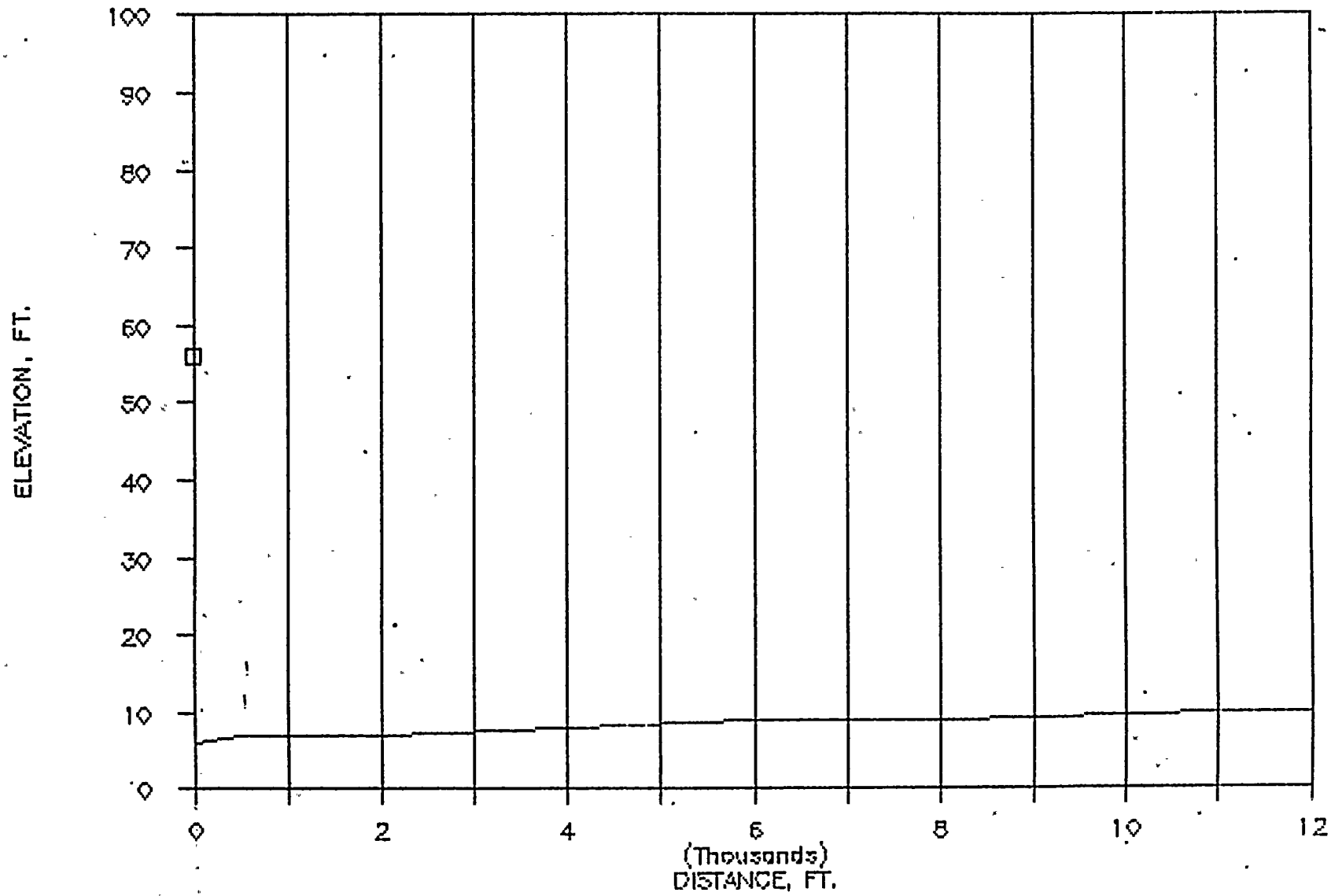


TURKEY POINT 11



TURKEY POINT 11

AZIMUTH, NNE



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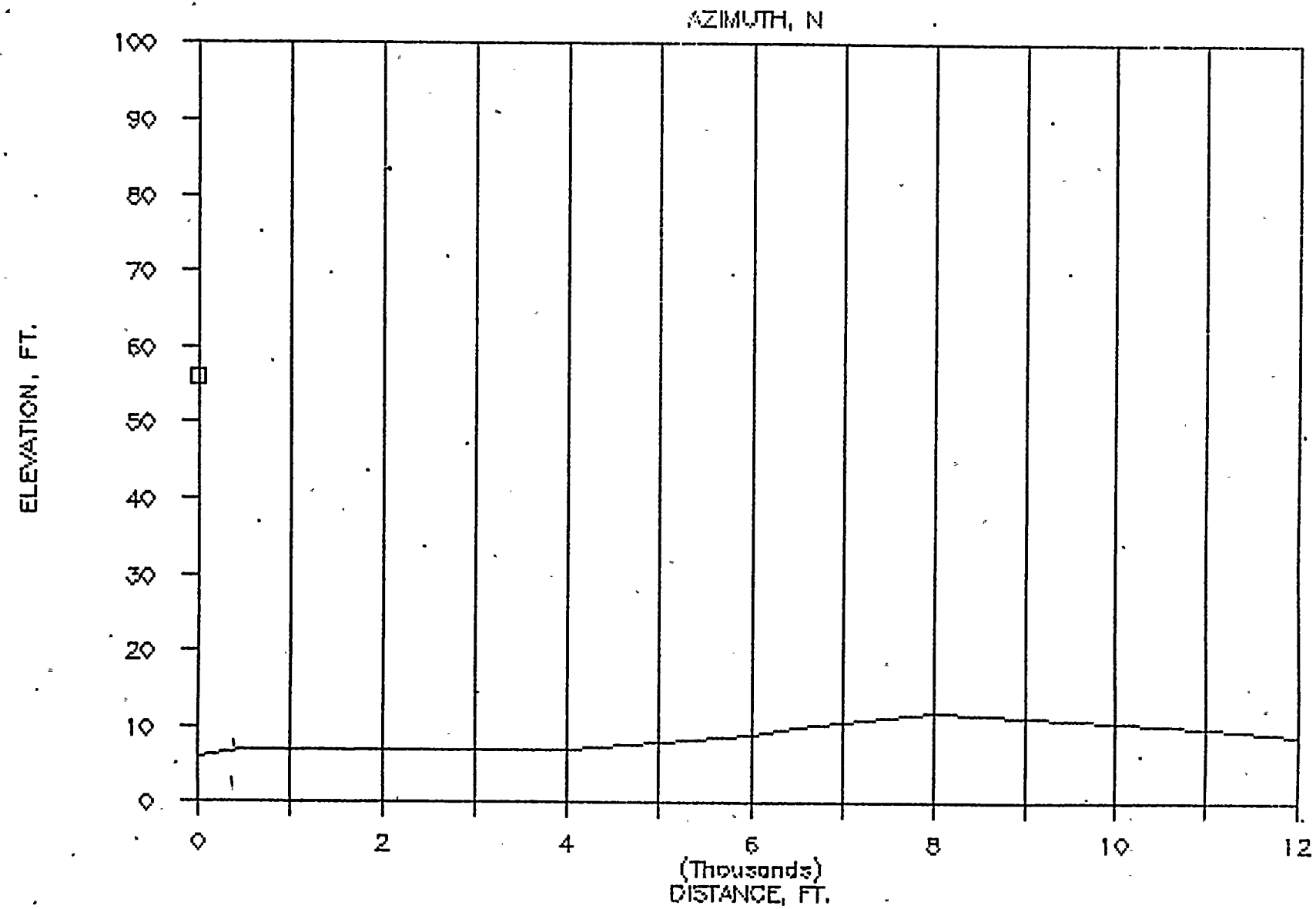
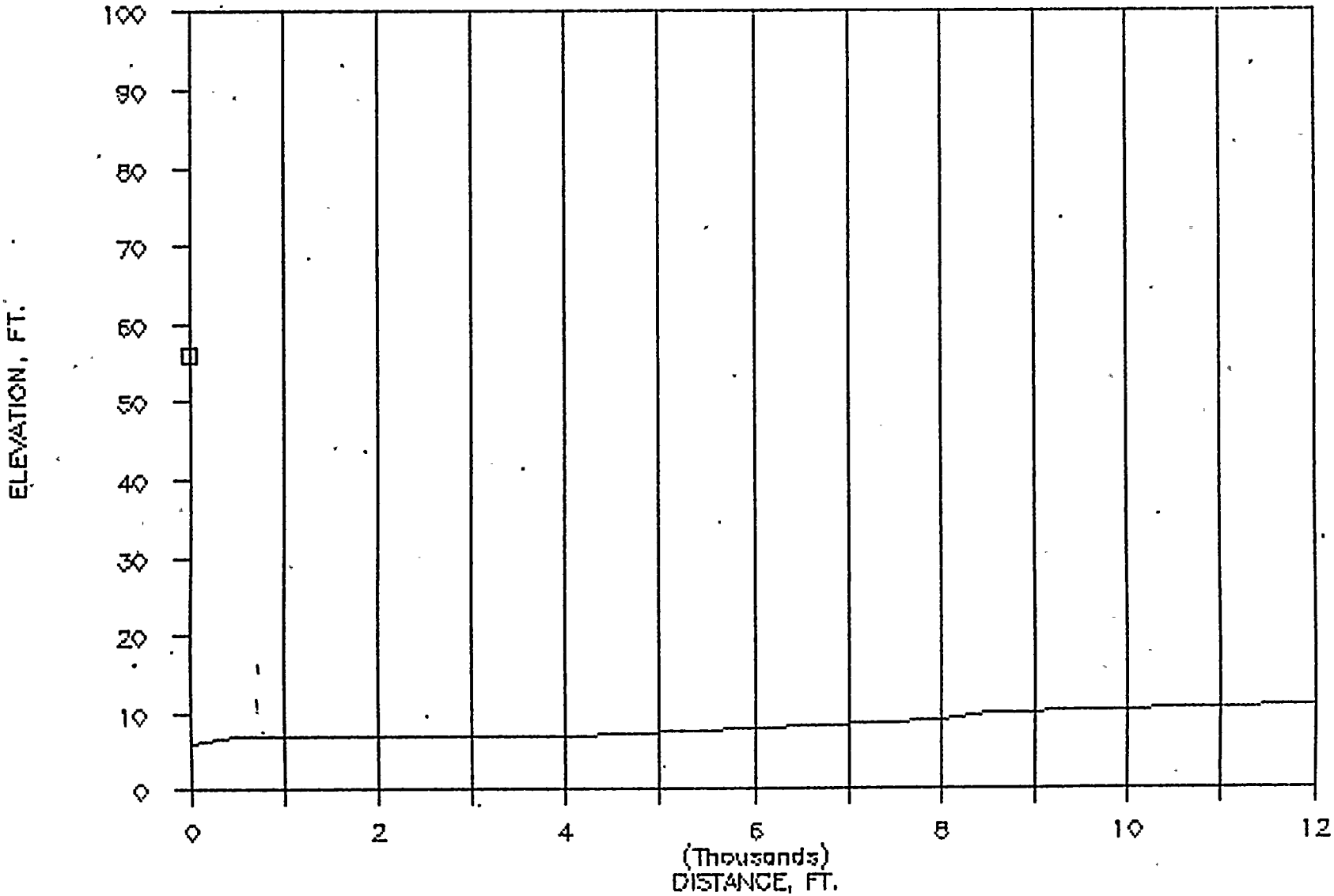


TURKEY POINT 11

AZIMUTH, NNW



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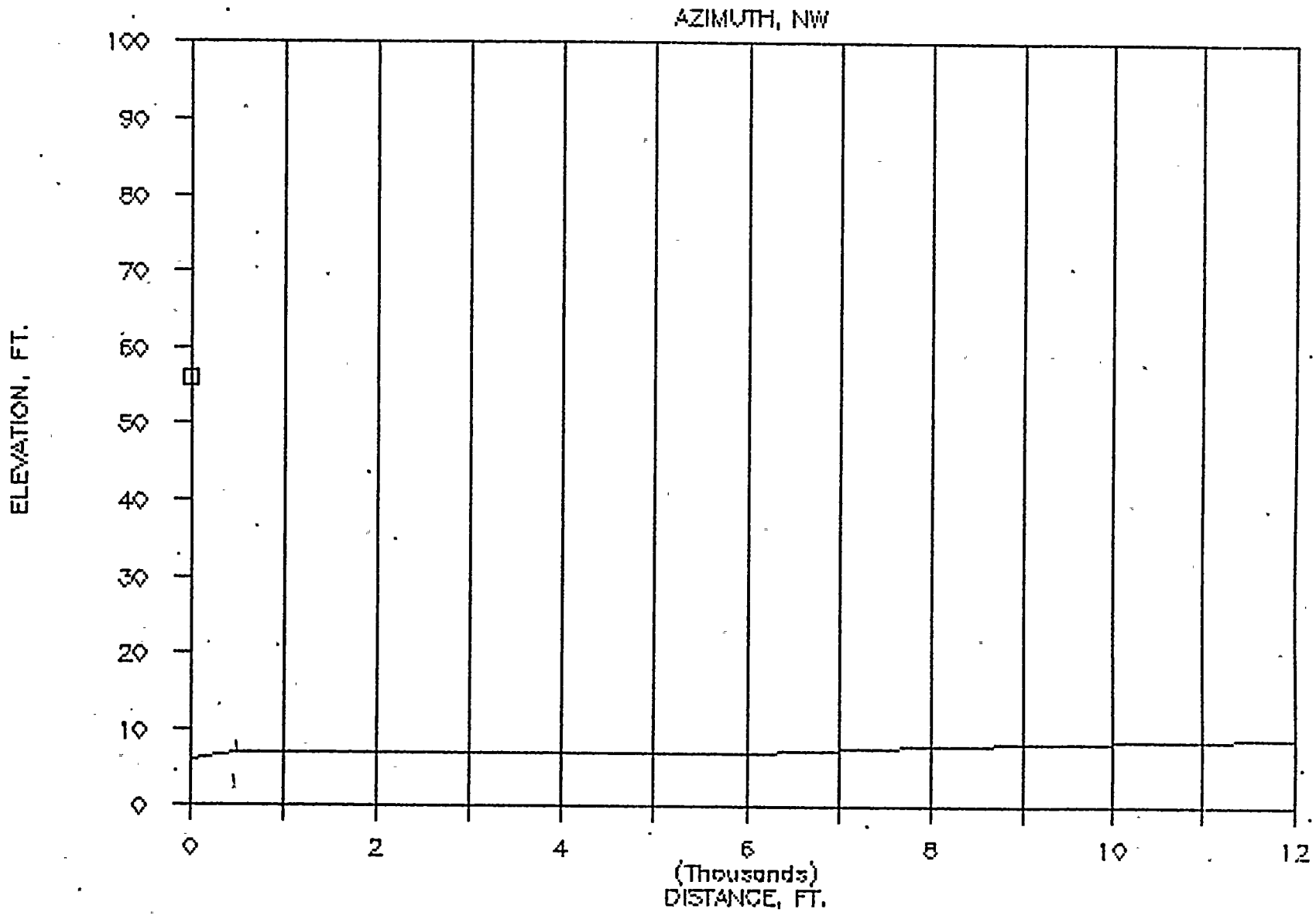
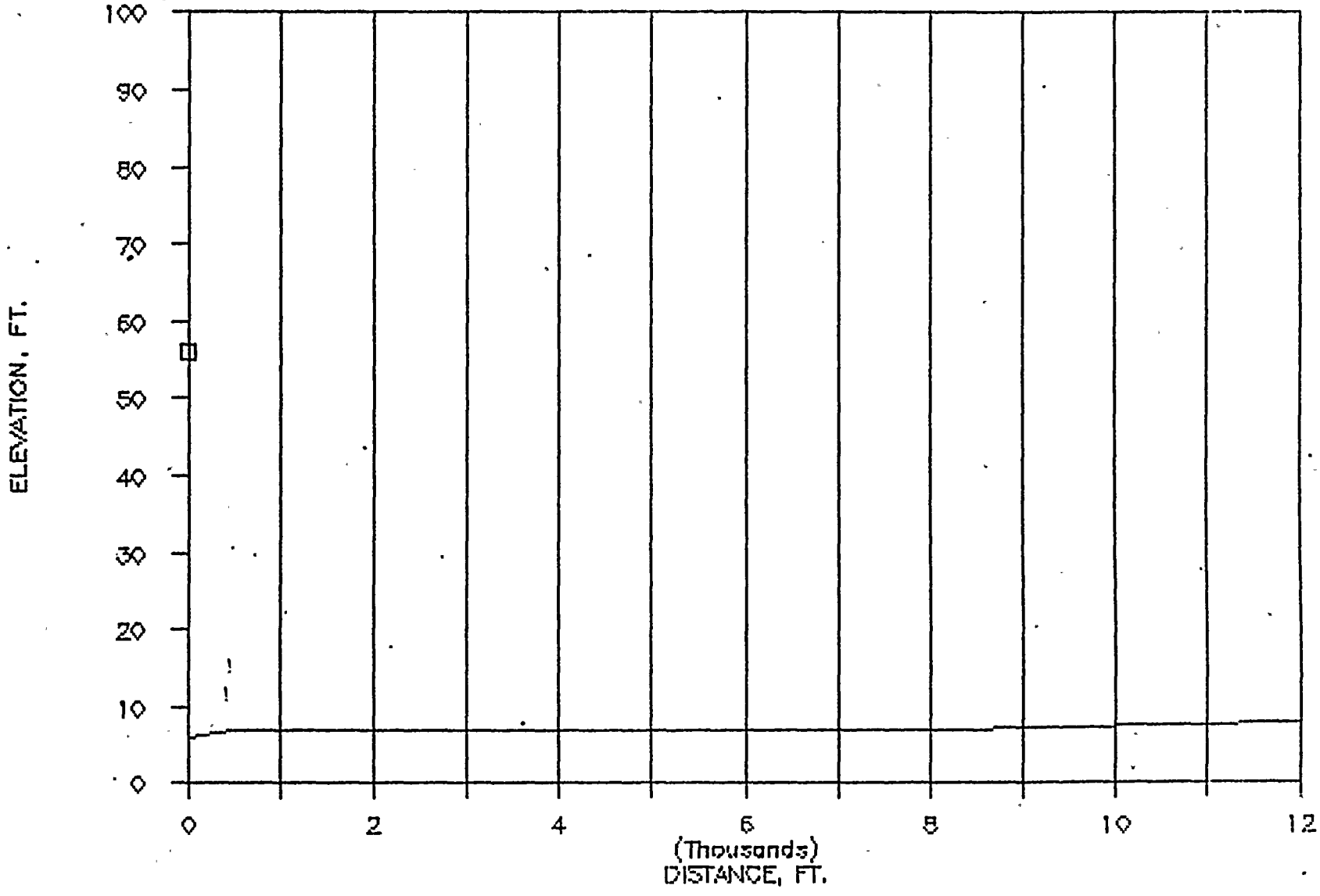
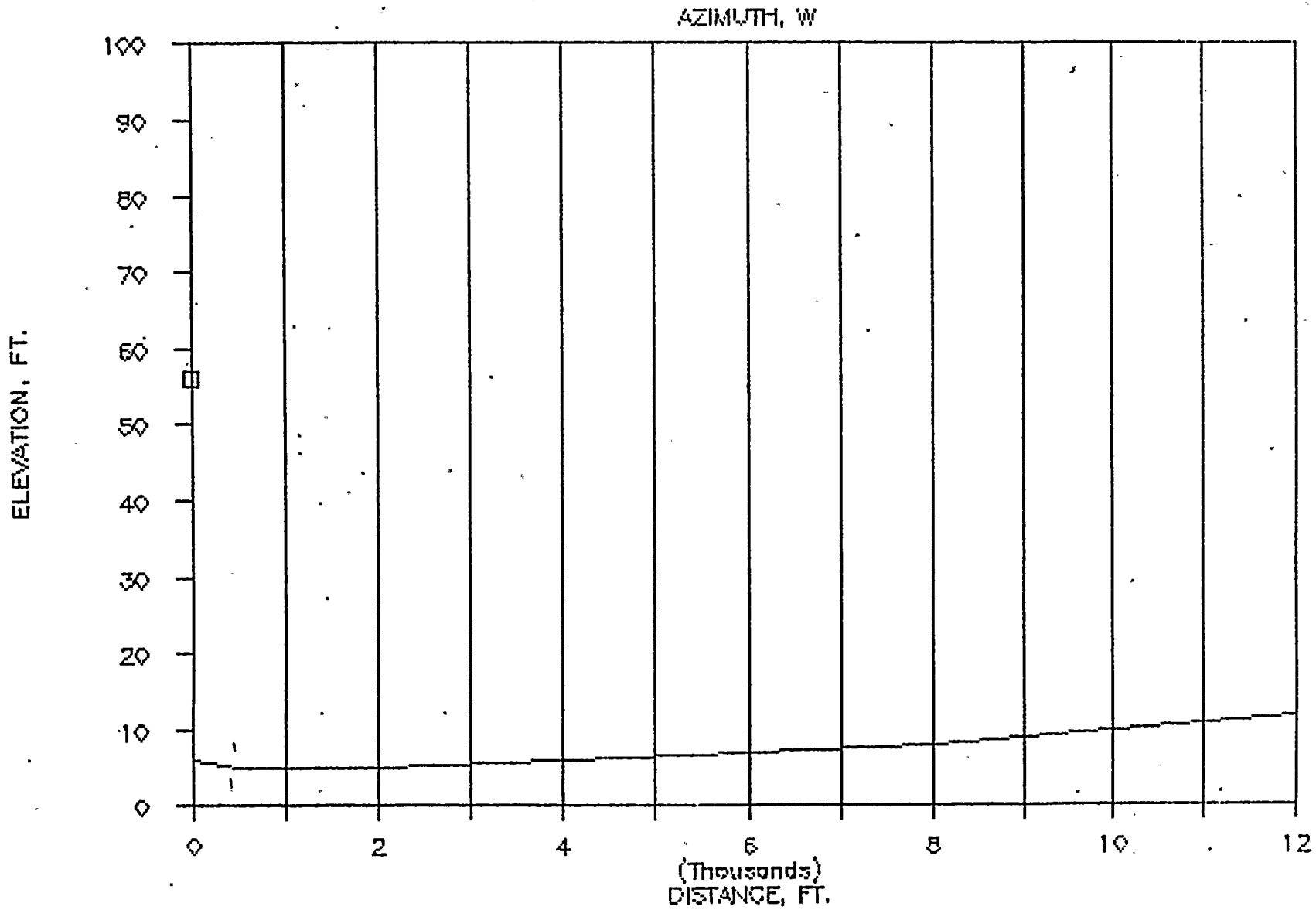


TURKEY POINT 11

AZIMUTH, WNW



TURKEY POINT 11



TURKEY POINT 11

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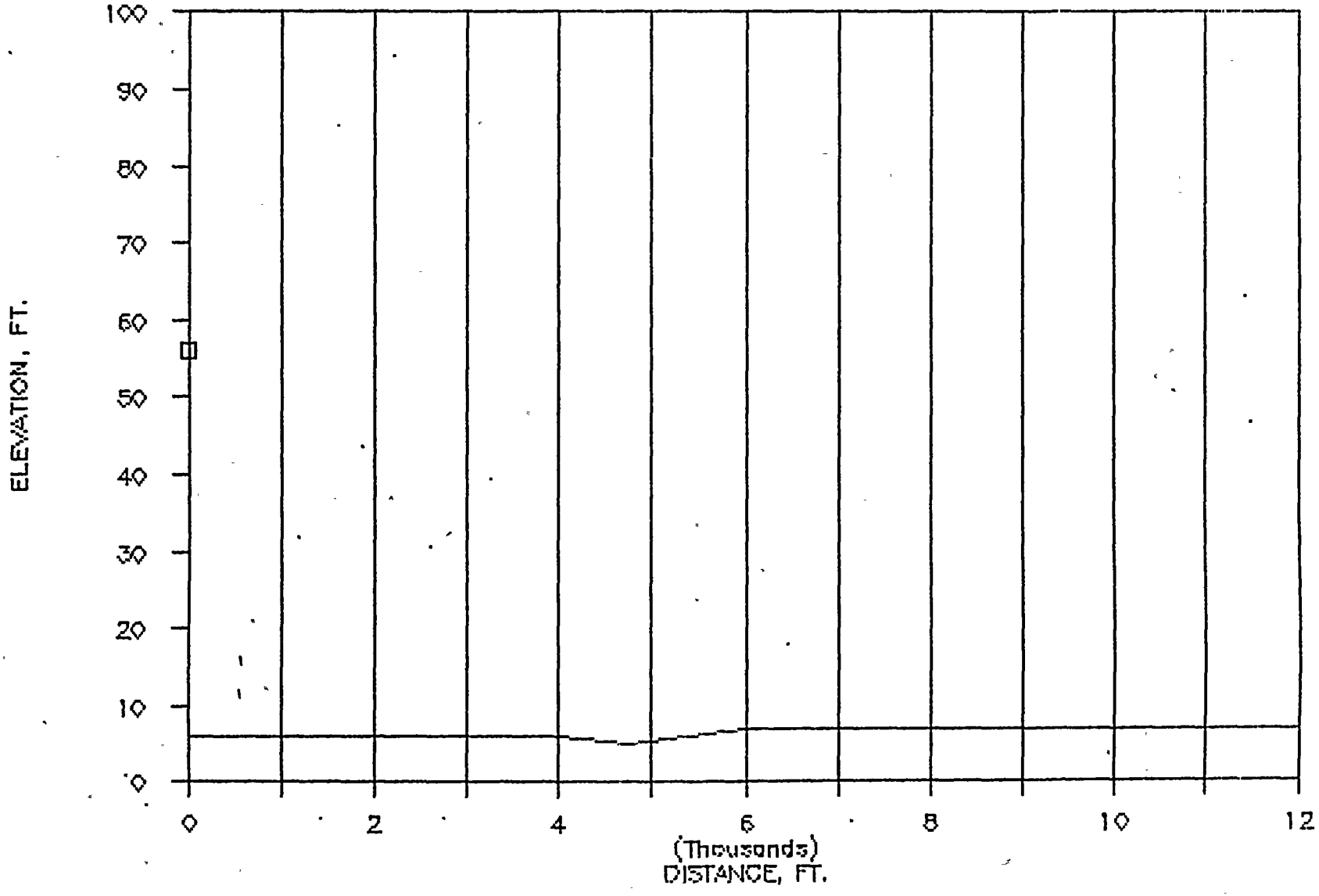
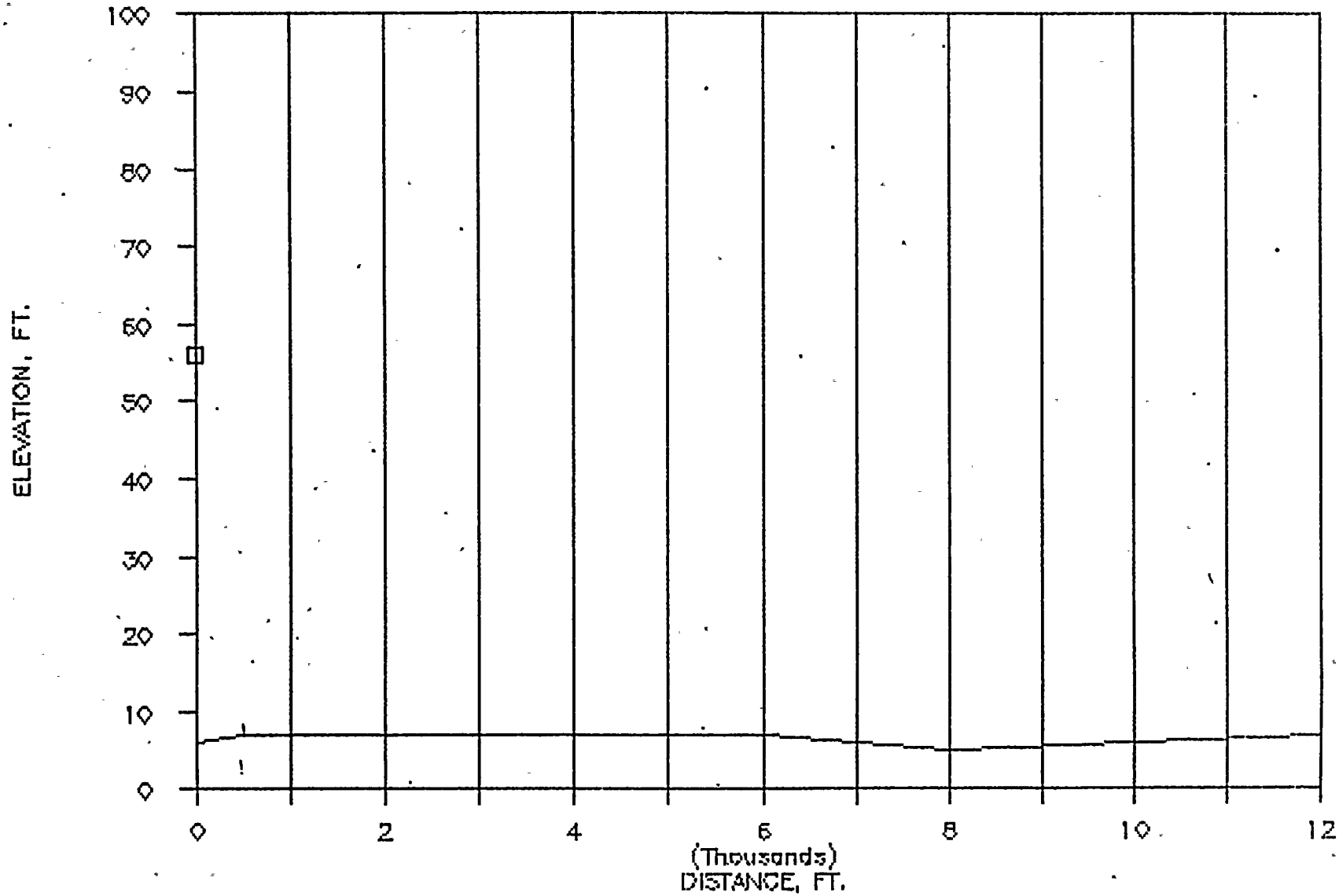


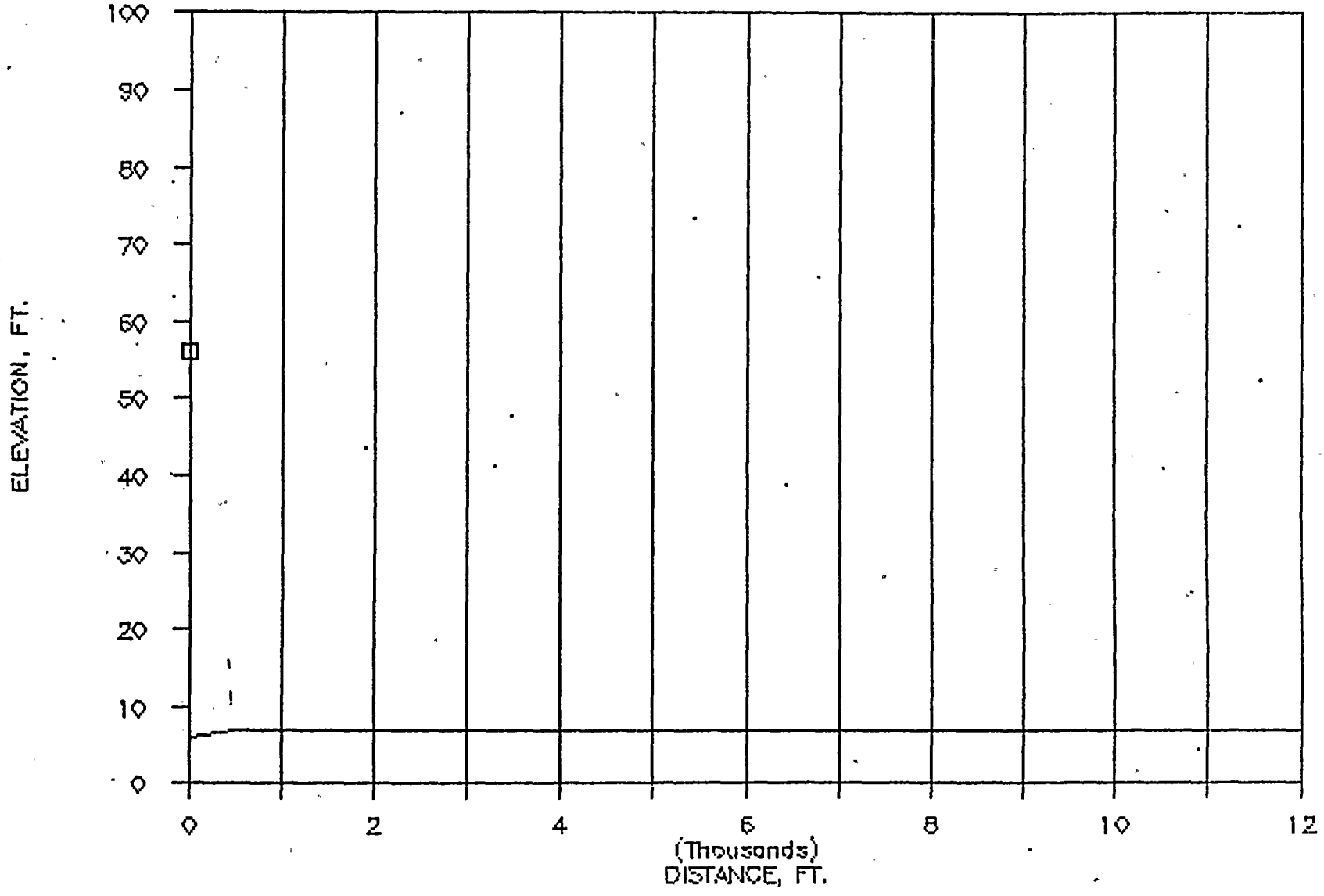
TURKEY POINT 11

AZIMUTH, SW



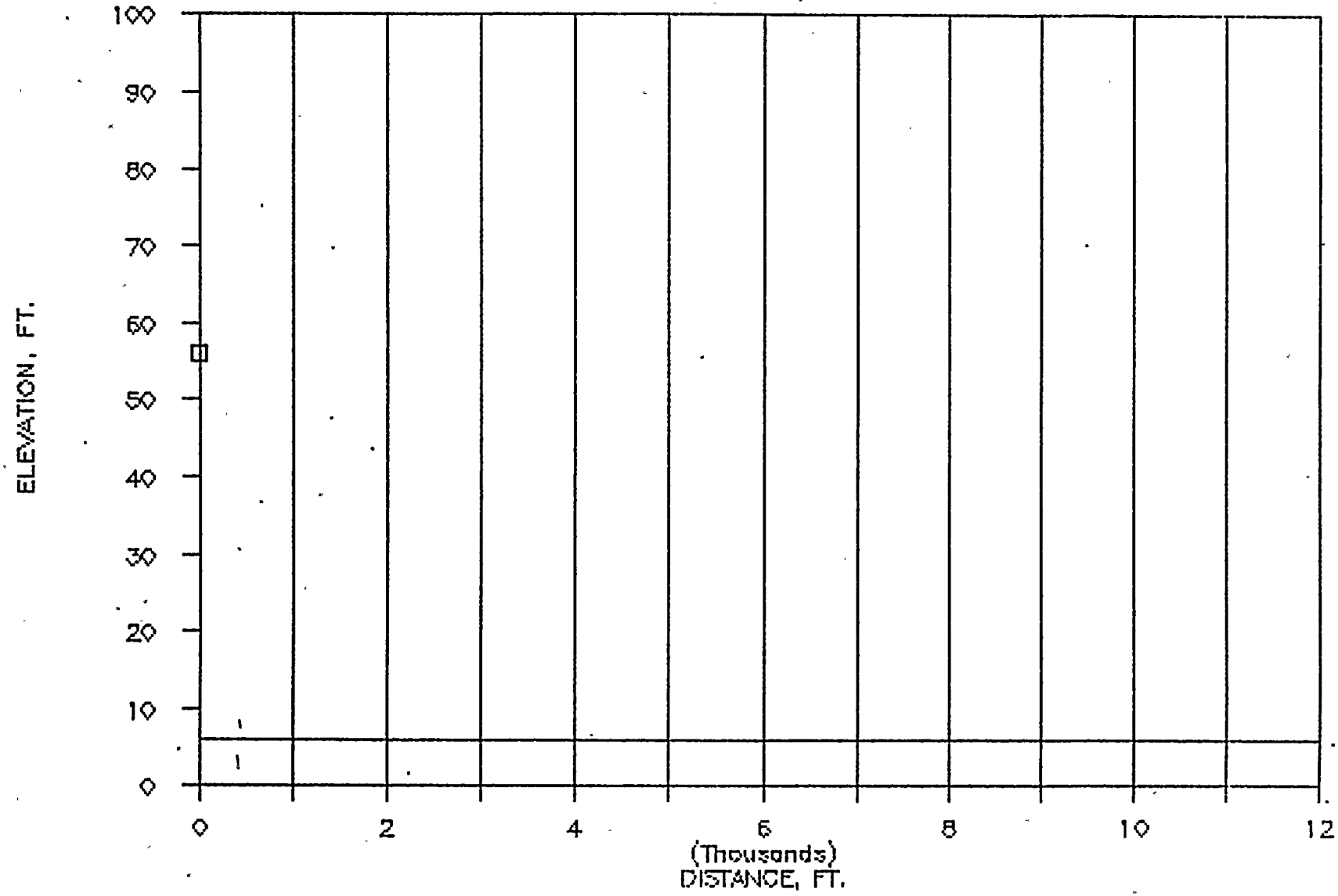
TURKEY POINT 11

AZIMUTH, SSW



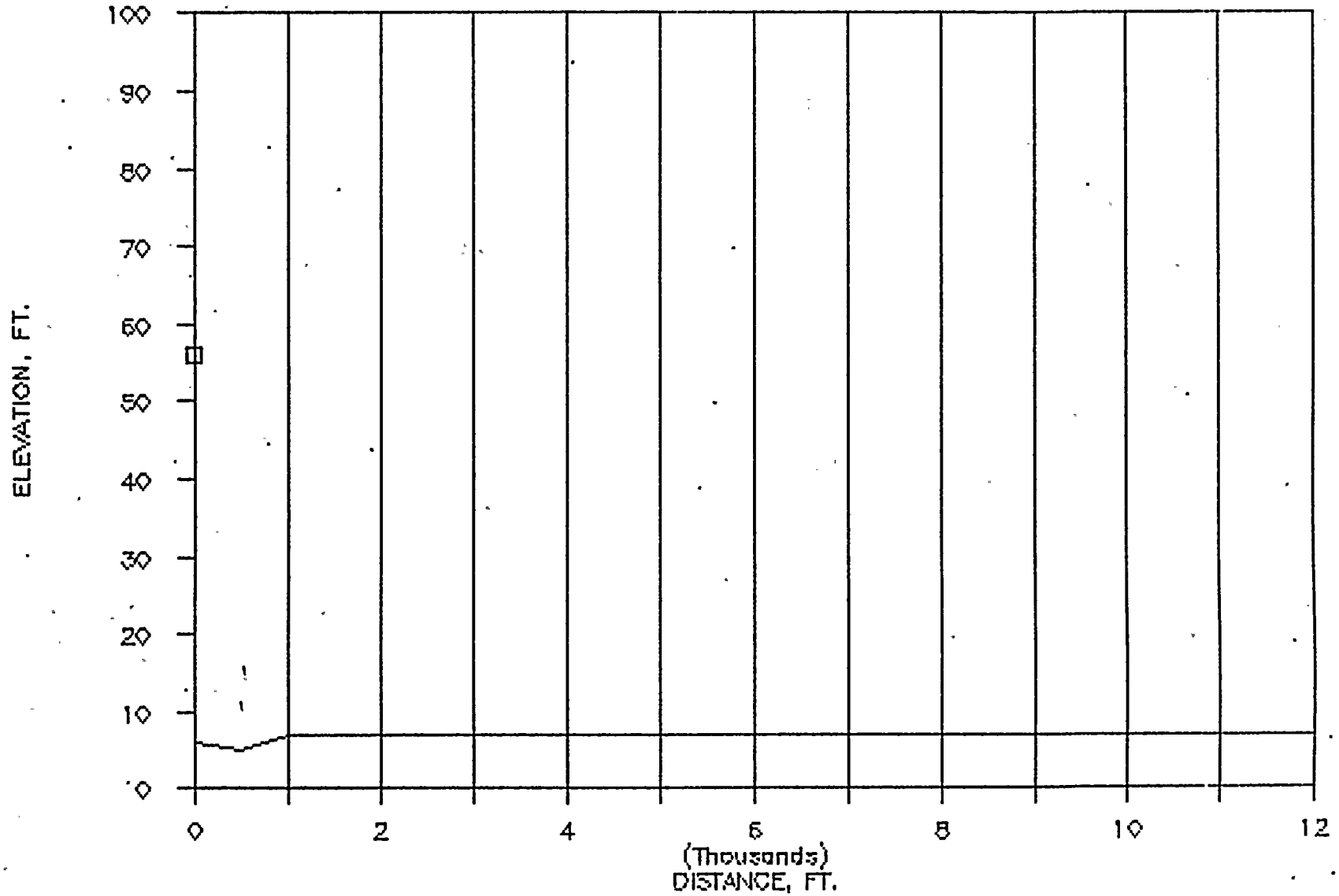
TURKEY POINT 11

AZIMUTH, S



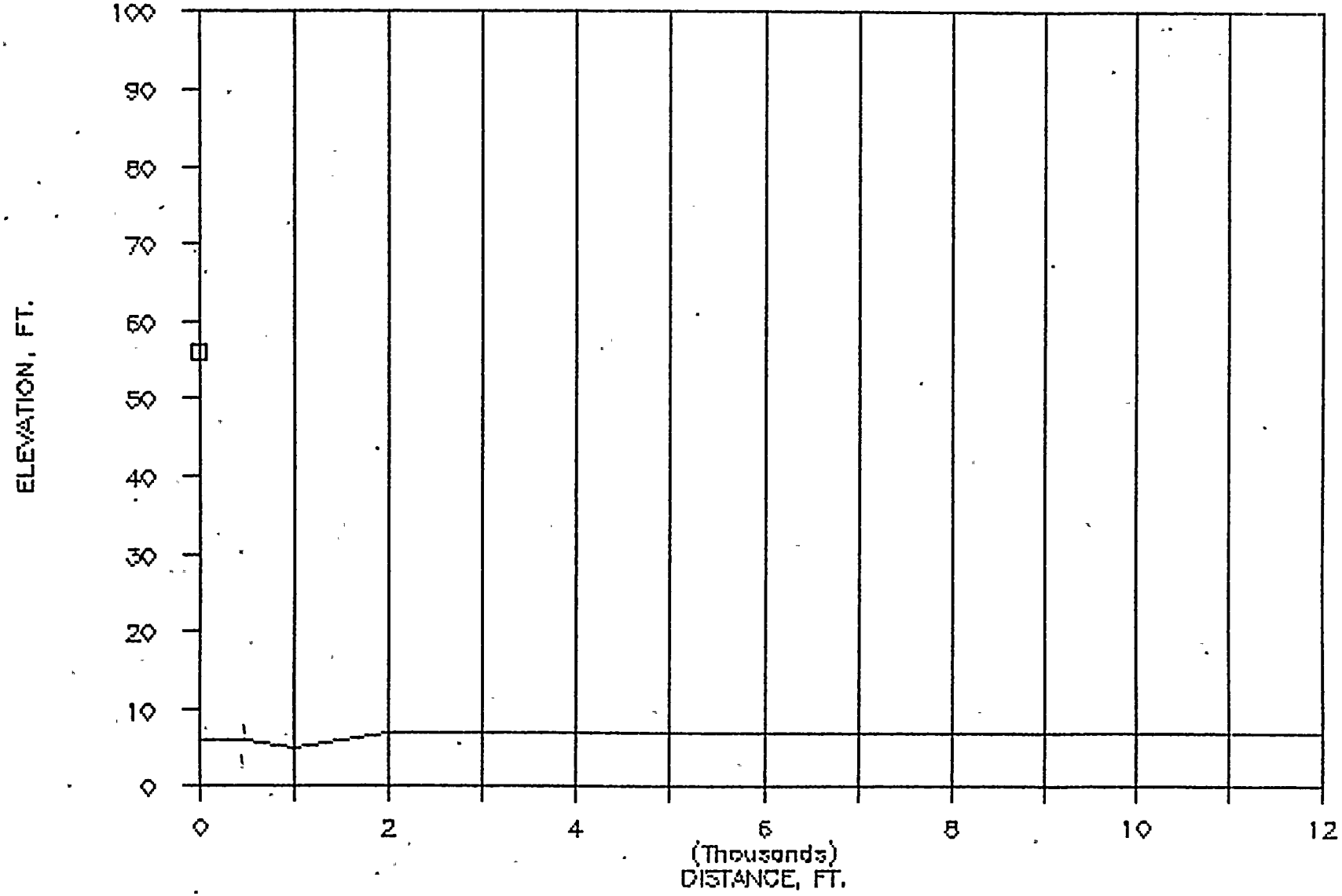
TURKEY POINT 11

AZIMUTH, SSE



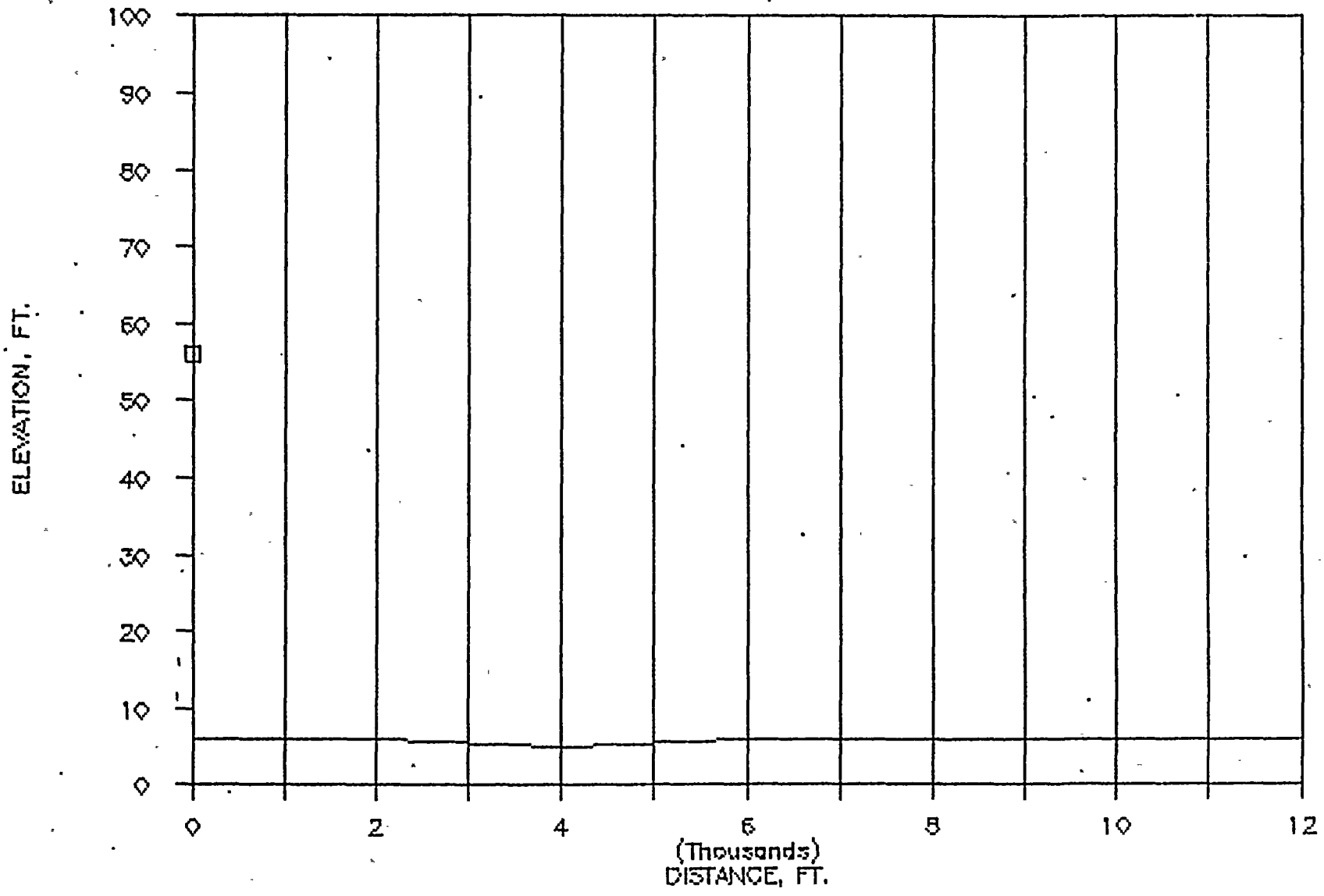
TURKEY POINT 11

AZIMUTH, SE



TURKEY POINT 11

AZIMUTH, ESE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT AND SIREN 411-WE3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	[illegible]	90.00	6.00	SOFT	0.	NO	0.	0.
2	[illegible]	90.00	6.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	6.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	5.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	5.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	6.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	6.00	SOFT	0.	NO	0.	0.
8	500.	67.50	7.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	7.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	7.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	7.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	7.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	7.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	4.00	SOFT	0.	NO	0.	0.
15	500.	45.00	7.00	SOFT	0.	NO	0.	0.
16	1000.	45.00	7.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	7.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	7.00	SOFT	0.	NO	0.	0.
19	[illegible]	45.00	5.00	SOFT	0.	NO	0.	0.
20	[illegible]	45.00	7.00	SOFT	0.	NO	0.	0.
21	1[illegible]	45.00	5.00	SOFT	0.	NO	0.	0.
22	500.	22.50	7.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	7.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	7.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	8.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	9.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	9.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	10.00	SOFT	0.	NO	0.	0.
29	500.	.00	7.00	SOFT	0.	NO	0.	0.
30	1000.	.00	7.00	SOFT	0.	NO	0.	0.
31	2000.	.00	7.00	SOFT	0.	NO	0.	0.
32	4000.	.00	7.00	SOFT	0.	NO	0.	0.
33	6000.	.00	9.00	SOFT	0.	NO	0.	0.
34	8000.	.00	12.00	SOFT	0.	NO	0.	0.
35	12000.	.00	9.00	SOFT	0.	NO	0.	0.
36	500.	337.50	7.00	SOFT	0.	NO	0.	0.

RAY POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTIO
37	1000.	337.50	7.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	7.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	7.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	8.00	HARD	0.	NO	0.	0.
41	8000.	337.50	9.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	11.00	SOFT	0.	NO	0.	0.
43	500.	315.00	7.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	7.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	7.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	7.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	7.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	8.00	HARD	0.	NO	0.	0.
49	12000.	315.00	9.00	SOFT	0.	NO	0.	0.
50	500.	292.50	7.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	7.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	7.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	7.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	7.00	HARD	0.	NO	0.	
55	8000.	292.50	7.00	HARD	0.	NO	0.	
56	12000.	292.50	8.00	SOFT	0.	NO	0.	0.
57	500.	270.00	5.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	5.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	5.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	6.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	7.00	HARD	0.	NO	0.	0.
62	8000.	270.00	8.00	HARD	0.	NO	0.	0.
63	12000.	270.00	12.00	SOFT	0.	NO	0.	0.
64	500.	247.50	6.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	6.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	6.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	6.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	7.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	7.00	HARD	0.	NO	0.	0.
70	12000.	247.50	7.00	SOFT	0.	NO	0.	0.
71	500.	225.00	7.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	7.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
72	2000.	225.00	7.00	SOFT	0.	NO	0.	0.
73	4000.	225.00	7.00	SOFT	0.	NO	0.	0.
74	6000.	225.00	7.00	SOFT	0.	NO	0.	0.
75	8000.	225.00	7.00	SOFT	0.	NO	0.	0.
76	12000.	225.00	7.00	SOFT	0.	NO	0.	0.
77	500.	202.50	7.00	SOFT	0.	NO	0.	0.
78	1000.	202.50	7.00	SOFT	0.	NO	0.	0.
79	2000.	202.50	7.00	SOFT	0.	NO	0.	0.
80	4000.	202.50	7.00	SOFT	0.	NO	0.	0.
81	6000.	202.50	7.00	SOFT	0.	NO	0.	0.
82	8000.	202.50	7.00	SOFT	0.	NO	0.	0.
83	12000.	202.50	7.00	SOFT	0.	NO	0.	0.
84	500.	180.00	6.00	SOFT	0.	NO	0.	0.
85	1000.	180.00	6.00	SOFT	0.	NO	0.	0.
86	2000.	180.00	6.00	SOFT	0.	NO	0.	0.
87	4000.	180.00	6.00	SOFT	0.	NO	0.	0.
88	6000.	180.00	6.00	SOFT	0.	NO	0.	0.
89	8000.	180.00	6.00	SOFT	0.	NO	0.	0.
90	12000.	180.00	6.00	SOFT	0.	NO	0.	0.
91	500.	157.50	5.00	SOFT	0.	NO	0.	0.
92	1000.	157.50	7.00	SOFT	0.	NO	0.	0.
93	2000.	157.50	7.00	SOFT	0.	NO	0.	0.
94	4000.	157.50	7.00	SOFT	0.	NO	0.	0.
95	6000.	157.50	7.00	SOFT	0.	NO	0.	0.
96	8000.	157.50	7.00	SOFT	0.	NO	0.	0.
97	12000.	157.50	7.00	SOFT	0.	NO	0.	0.
98	500.	135.00	6.00	SOFT	0.	NO	0.	0.
99	1000.	135.00	5.00	SOFT	0.	NO	0.	0.
100	2000.	135.00	7.00	SOFT	0.	NO	0.	0.
101	4000.	135.00	7.00	SOFT	0.	NO	0.	0.
102	6000.	135.00	7.00	SOFT	0.	NO	0.	0.
103	8000.	135.00	7.00	SOFT	0.	NO	0.	0.
104	12000.	135.00	7.00	SOFT	0.	NO	0.	0.
105	500.	112.50	6.00	SOFT	0.	NO	0.	0.
106	1000.	112.50	6.00	SOFT	0.	NO	0.	0.
107	2000.	112.50	6.00	SOFT	0.	NO	0.	0.
108	4000.	112.50	5.00	SOFT	0.	NO	0.	0.
109	6000.	112.50	6.00	SOFT	0.	NO	0.	0.
110	8000.	112.50	6.00	SOFT	0.	NO	0.	0.
111	12000.	112.50	6.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT AND SIREN #11-WS3000
NOISE SOURCE POWER LEVEL INPUT

NOISE	SOURCE	DBA	22F	31.5	63	125	250	500	1000	2000	4000	8000 HZ
1	TURKEY-WS3000	158.4	159.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 56.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT AND SIREN #11-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 1.00 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT AMS SIREN #11-WS3000

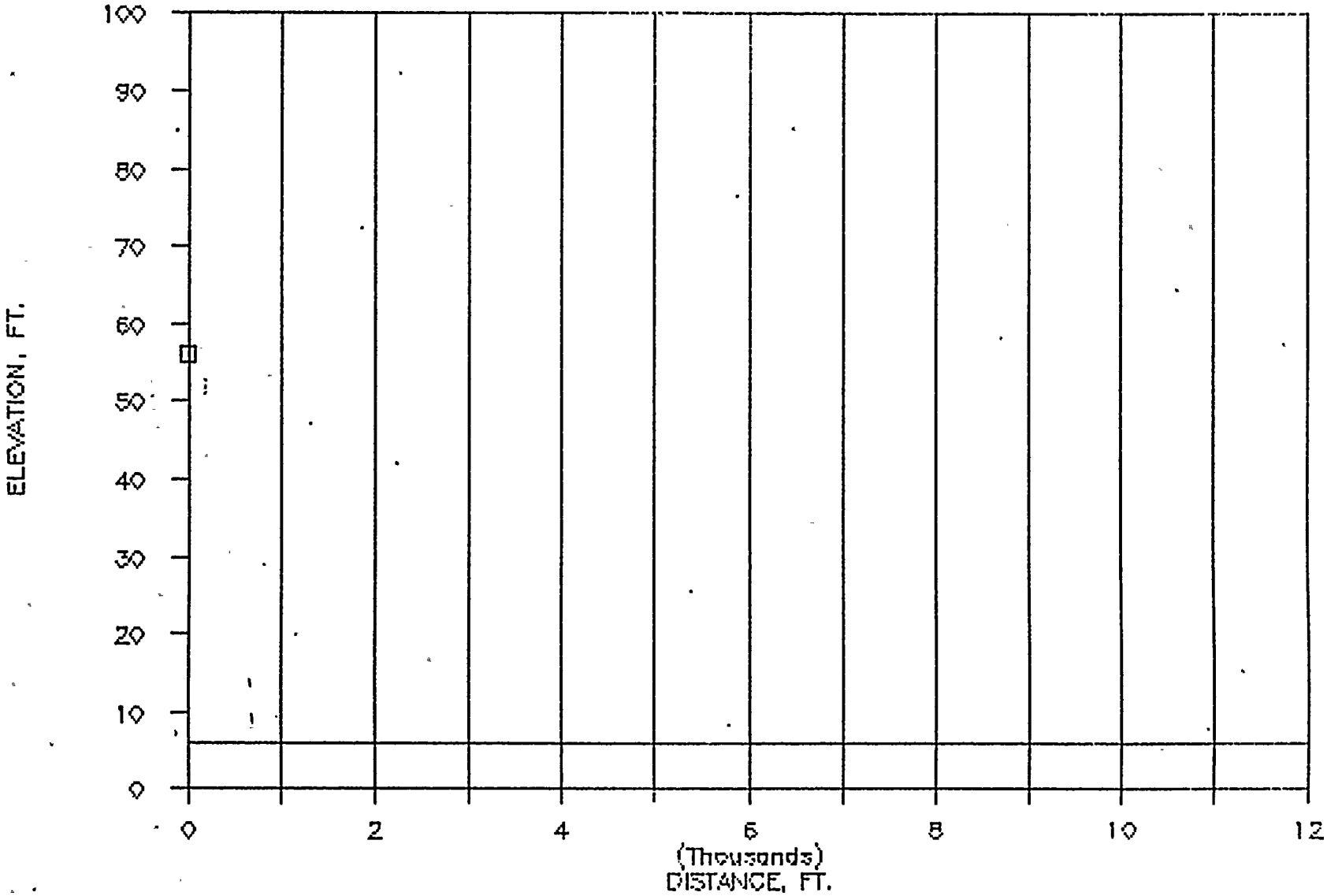
SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	75.	66.	59.
NW	106.	96.	84.	75.	70.	70.	59.
WNW	106.	96.	84.	75.	75.	70.	59.
W	106.	96.	84.	75.	75.	70.	59.
WSW	106.	96.	84.	75.	70.	70.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	94.	72.	45.	40.	36.	29.
SSE	106.	93.	70.	45.	40.	36.	29.
SE	106.	92.	69.	45.	40.	36.	29.
ESE	106.	92.	69.	45.	40.	36.	29.

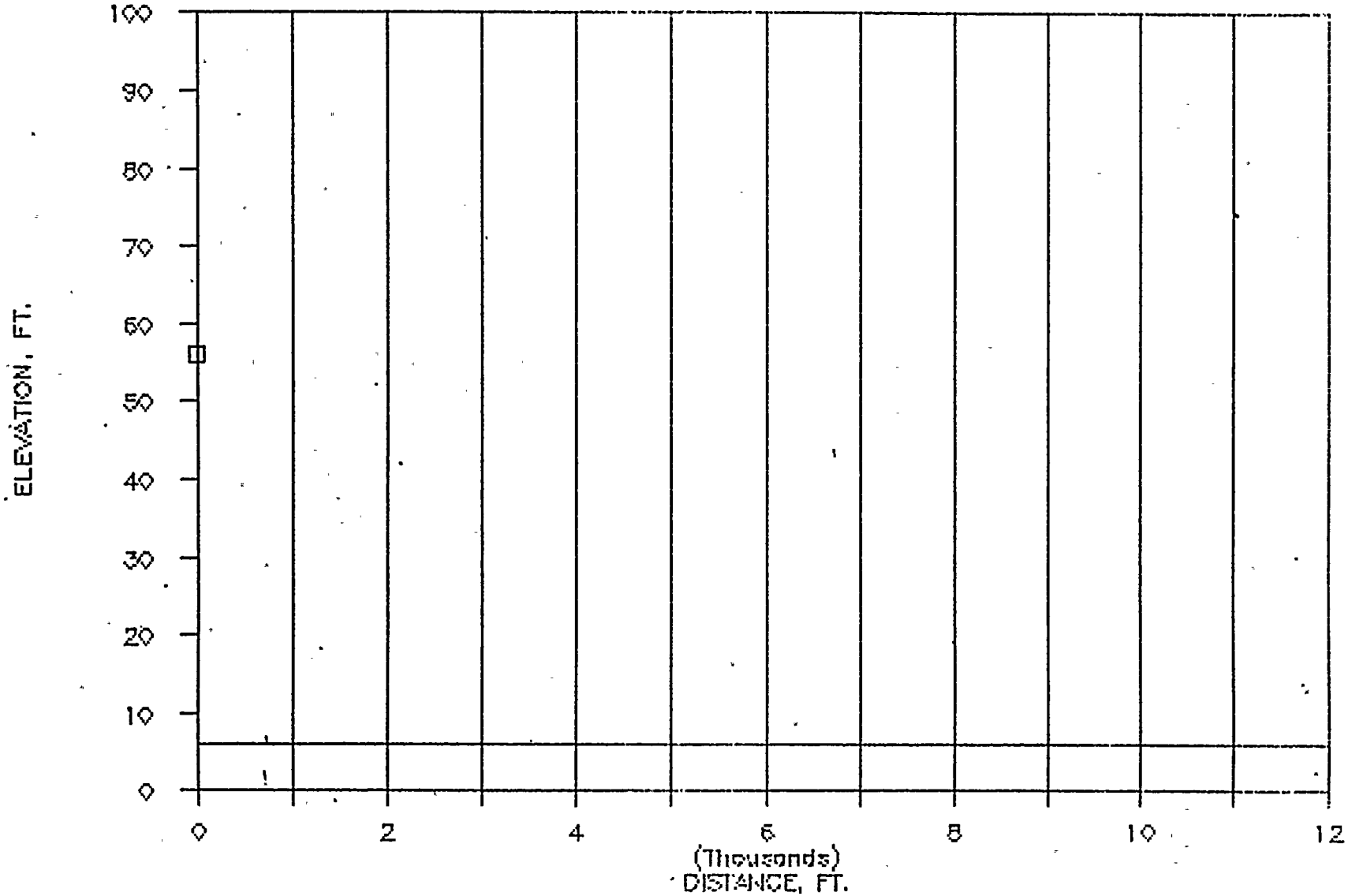
TURKEY POINT 12

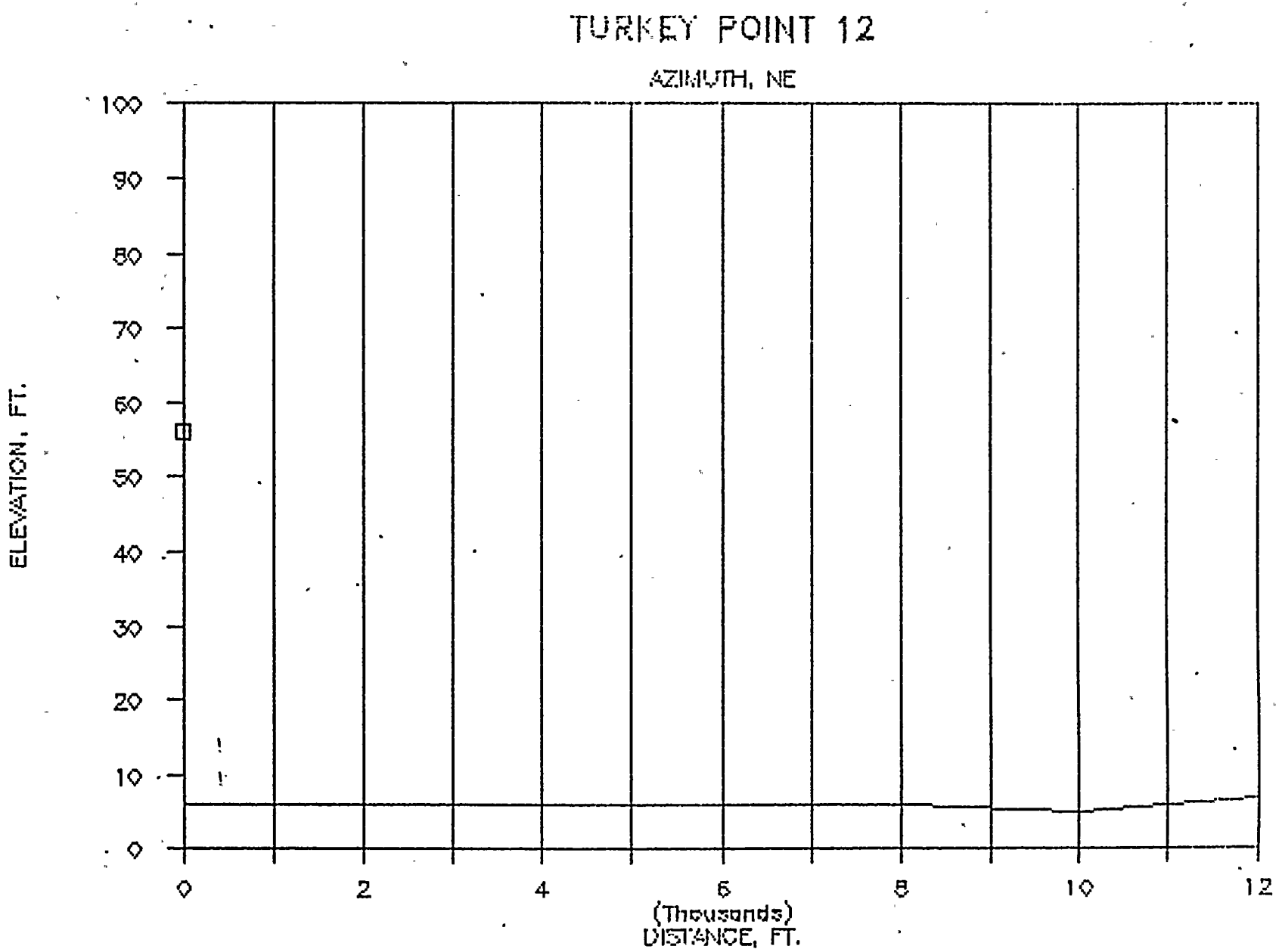
AZIMUTH, E



TURKEY POINT 12

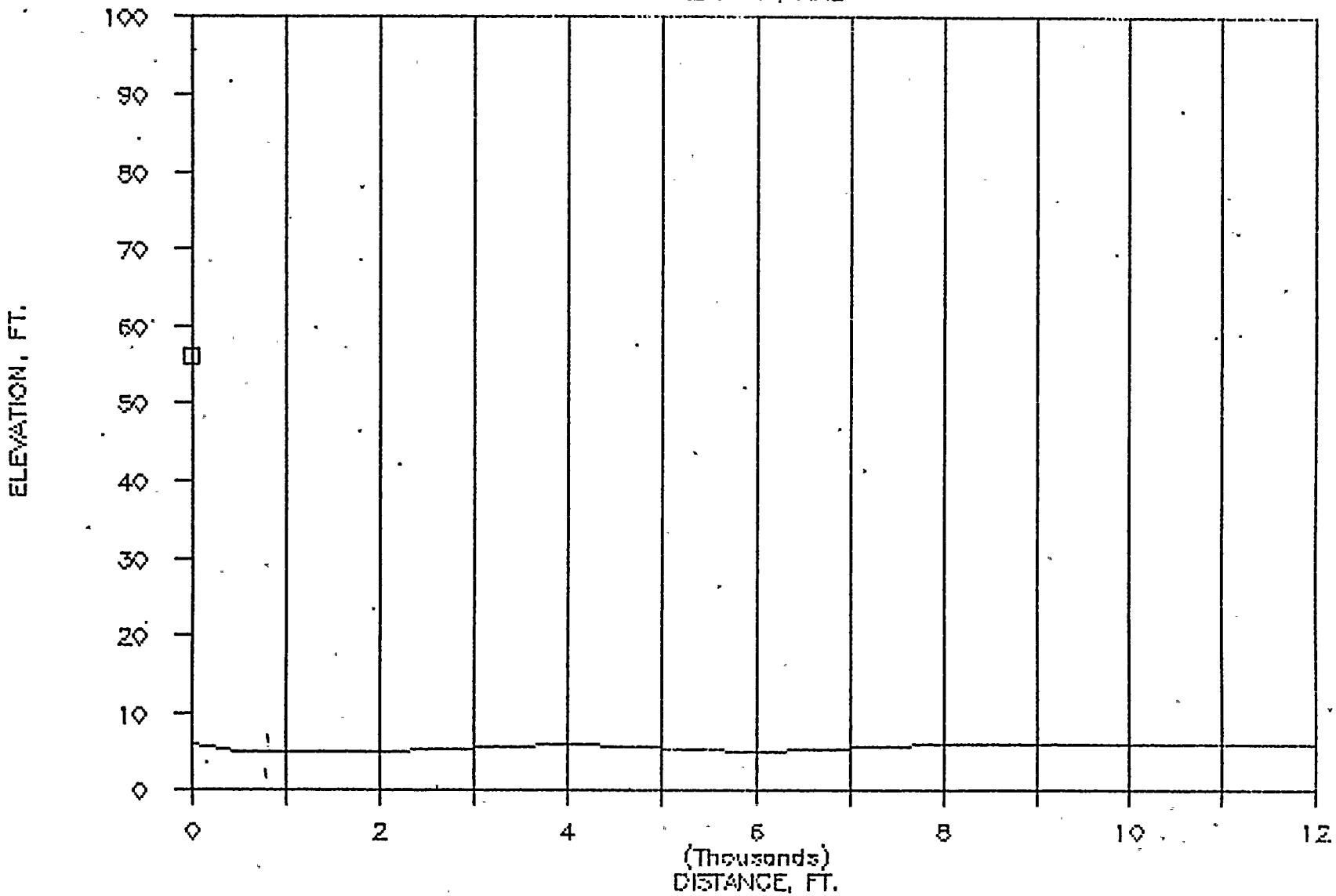
AZIMUTH, ENE

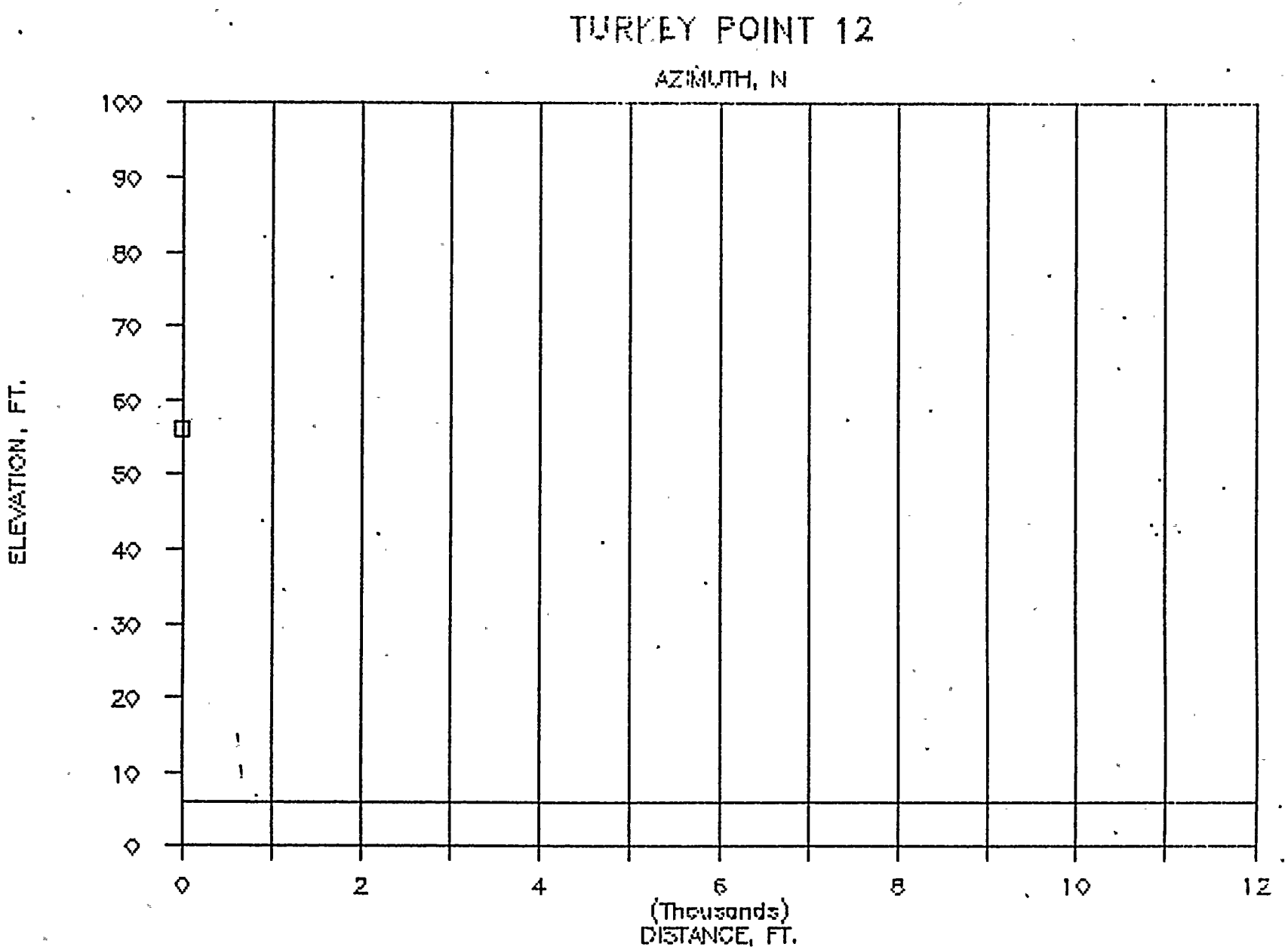



TURKEY POINT 12
AZIMUTH, NE
ELEVATION, FT.
100
90
80
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
(Thousands)
DISTANCE, FT.

TURKEY POINT 12

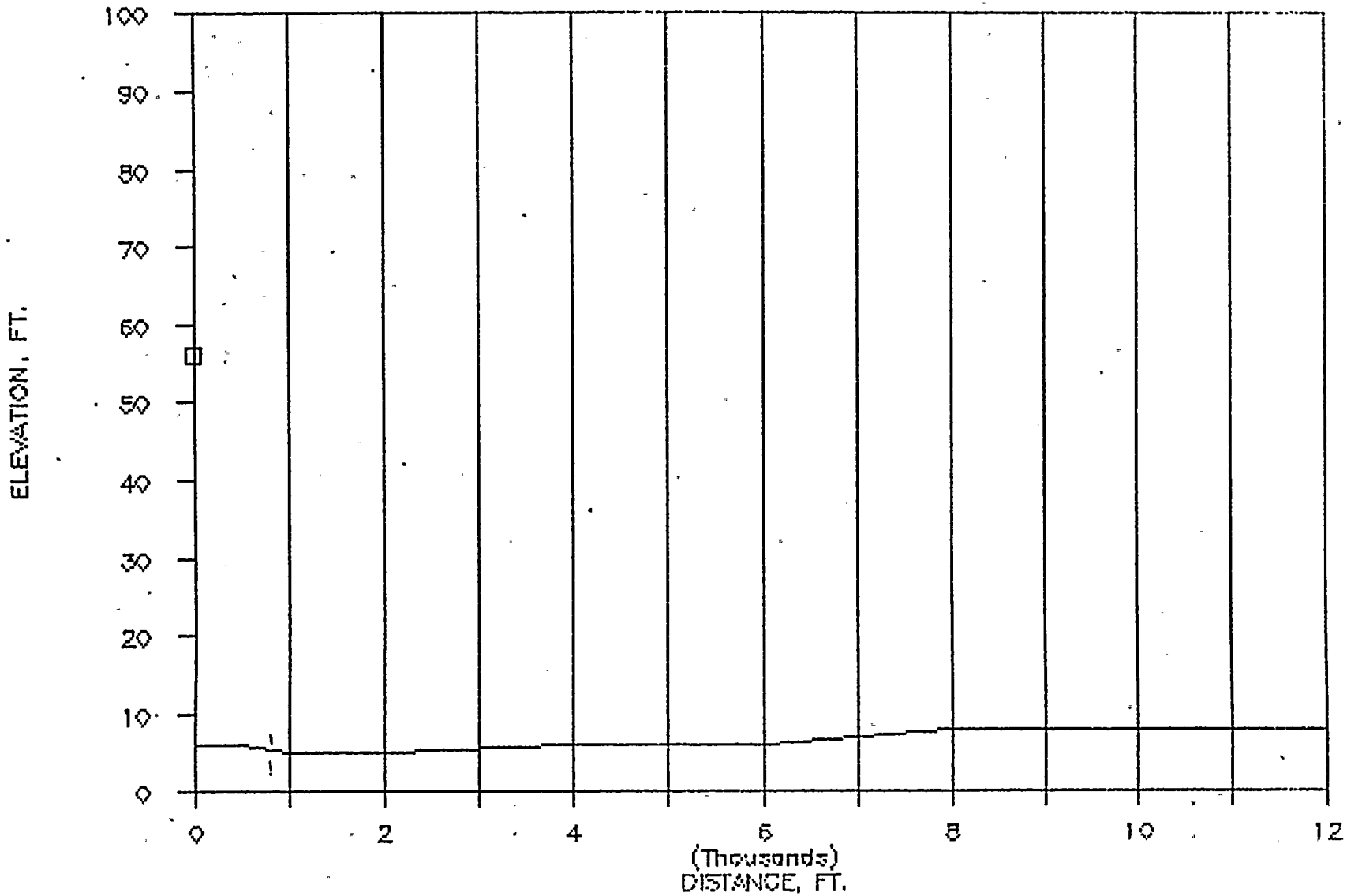
AZIMUTH, NNE




TURKEY POINT 12
AZIMUTH, N
ELEVATION, FT.
100
90
80
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
(Thousands)
DISTANCE, FT.

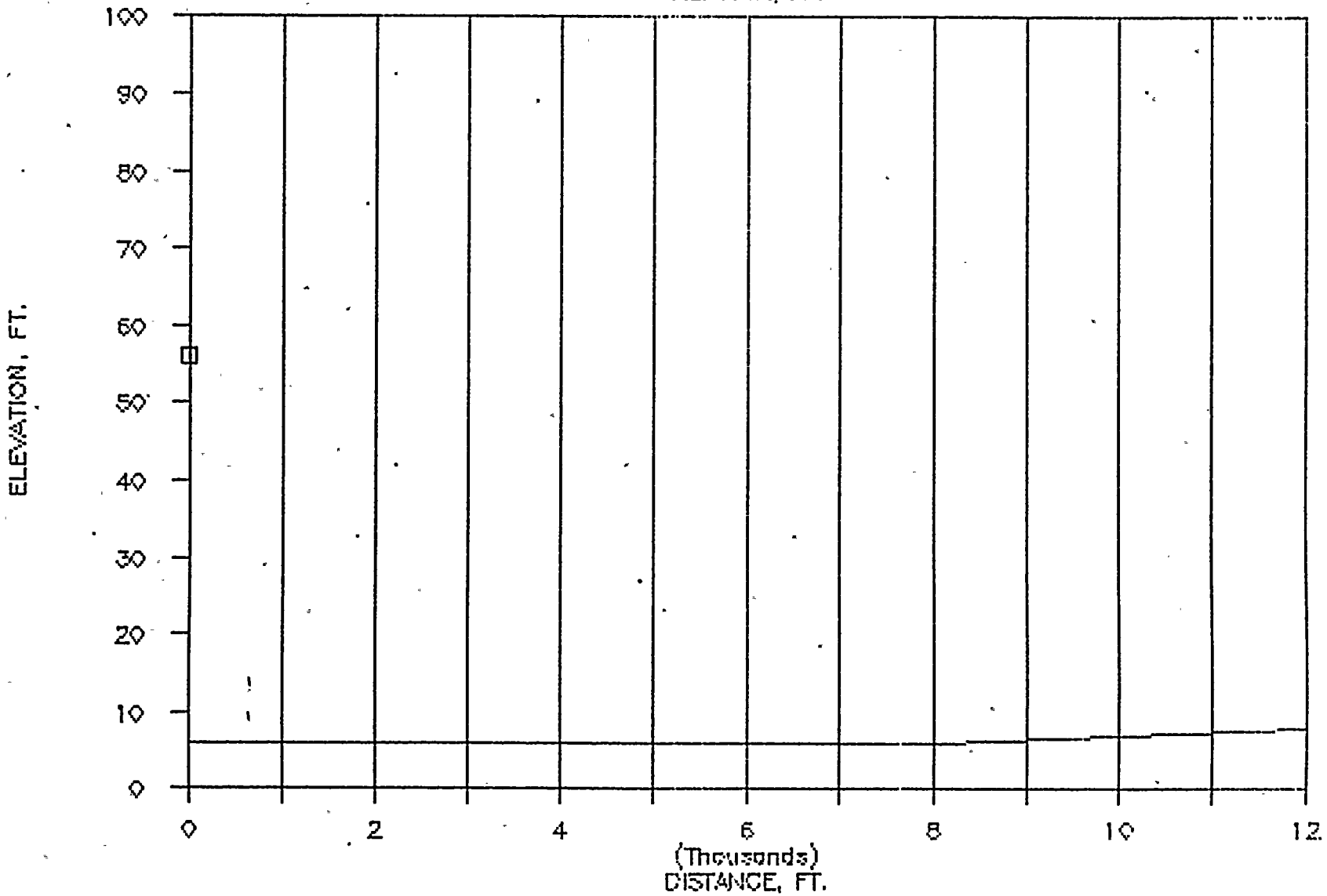
TURKEY POINT 12

AZIMUTH, NNW



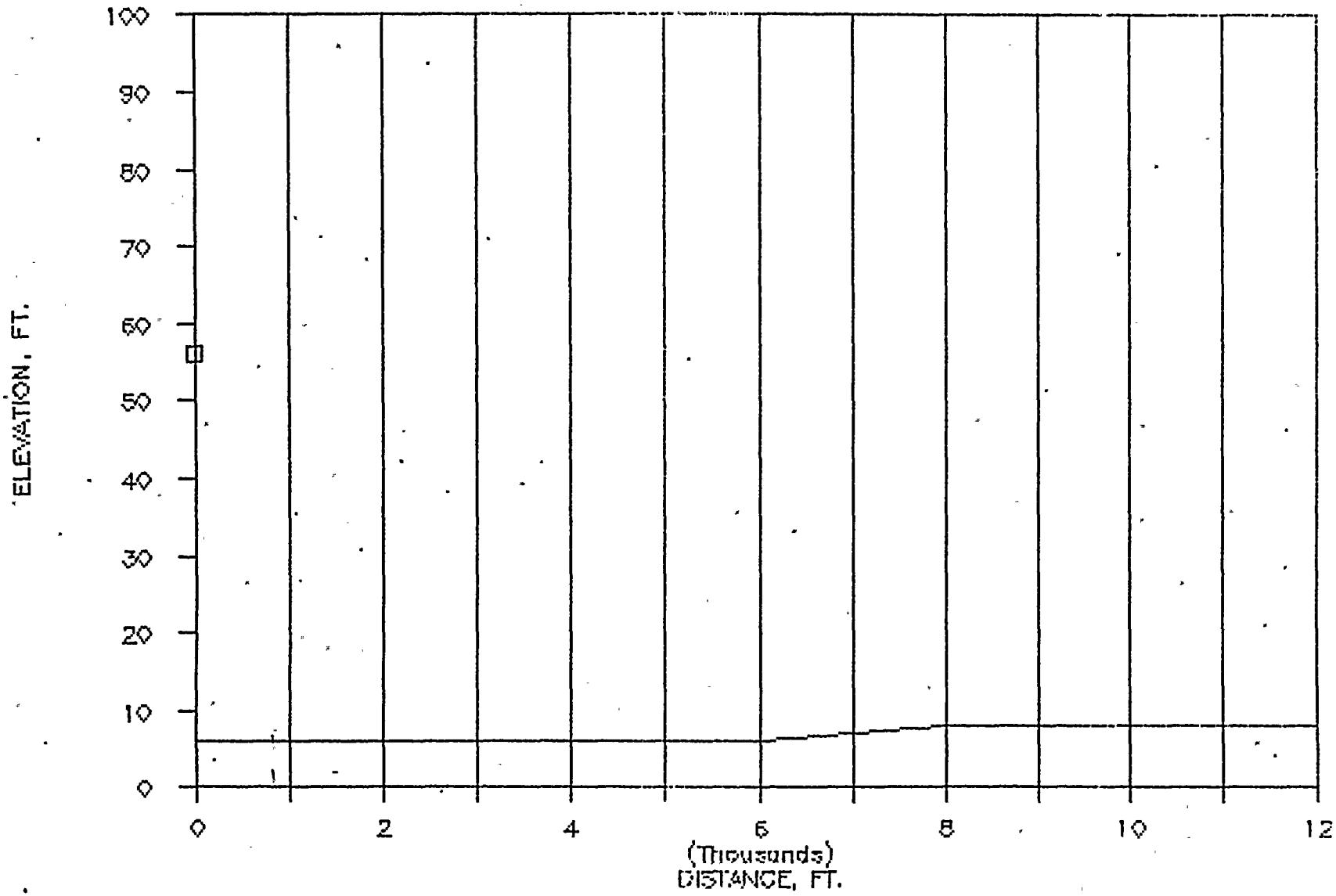
TURKEY POINT 12

AZIMUTH, NW



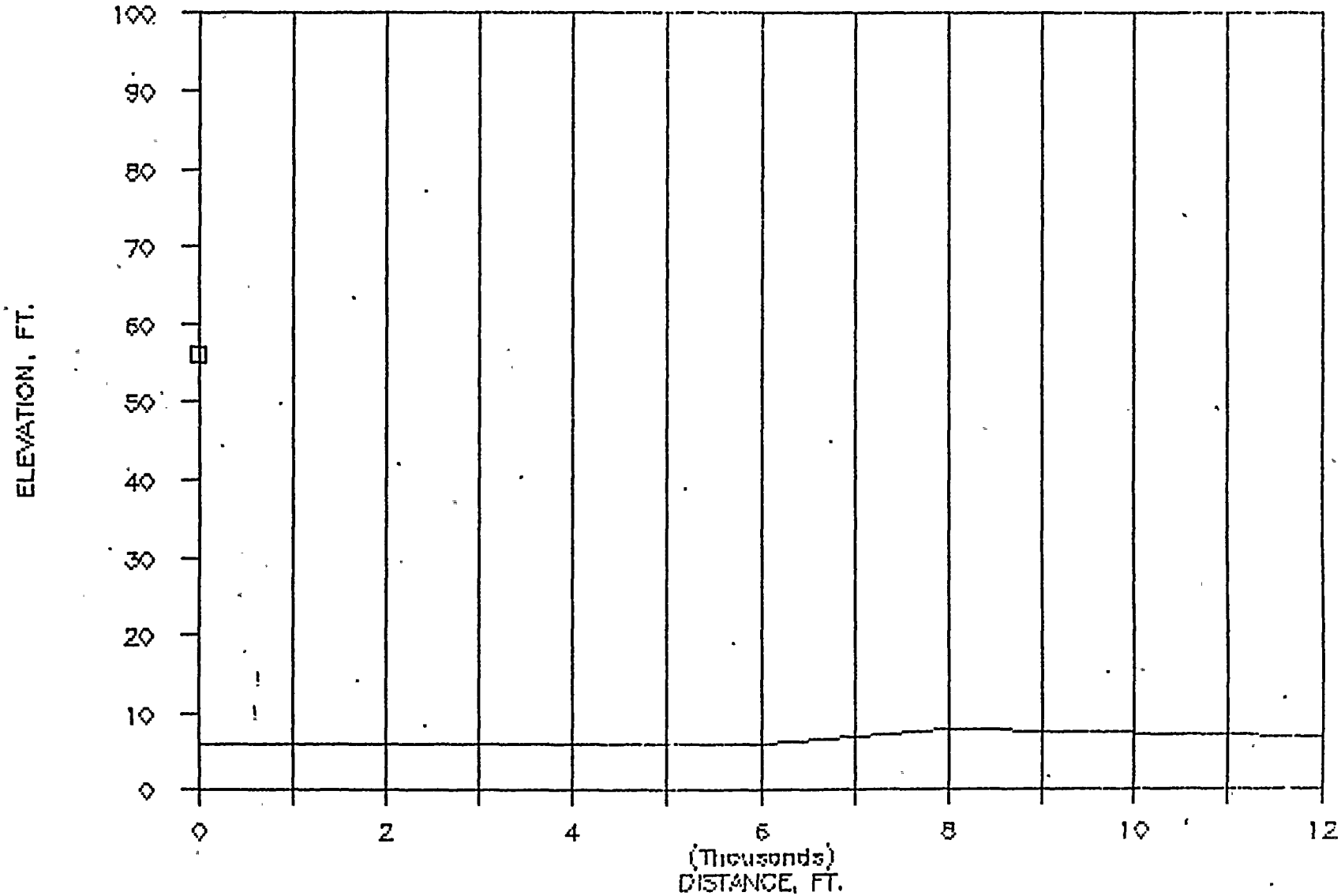
TURKEY POINT 12

AZIMUTH, WNW



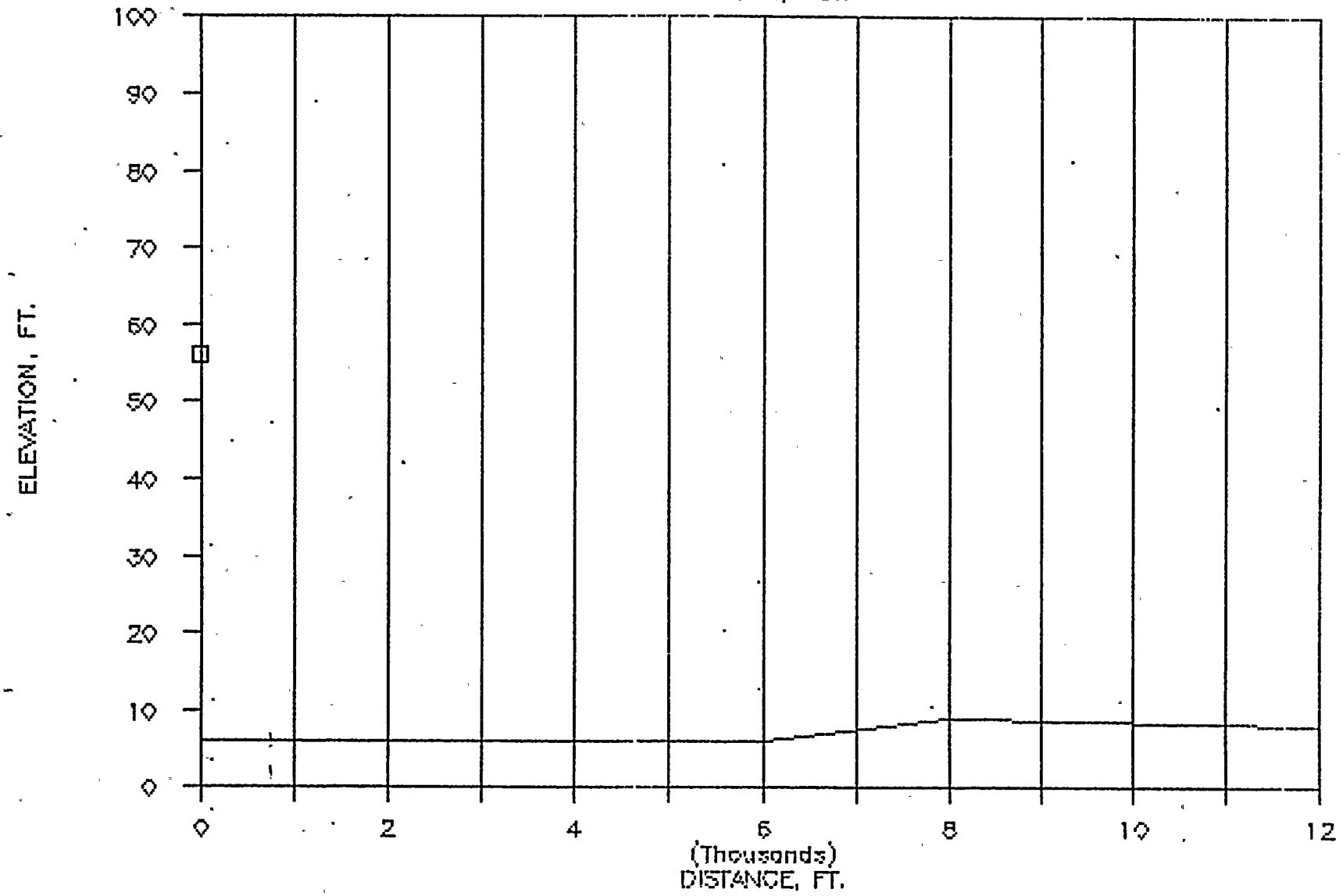
TURKEY POINT 12

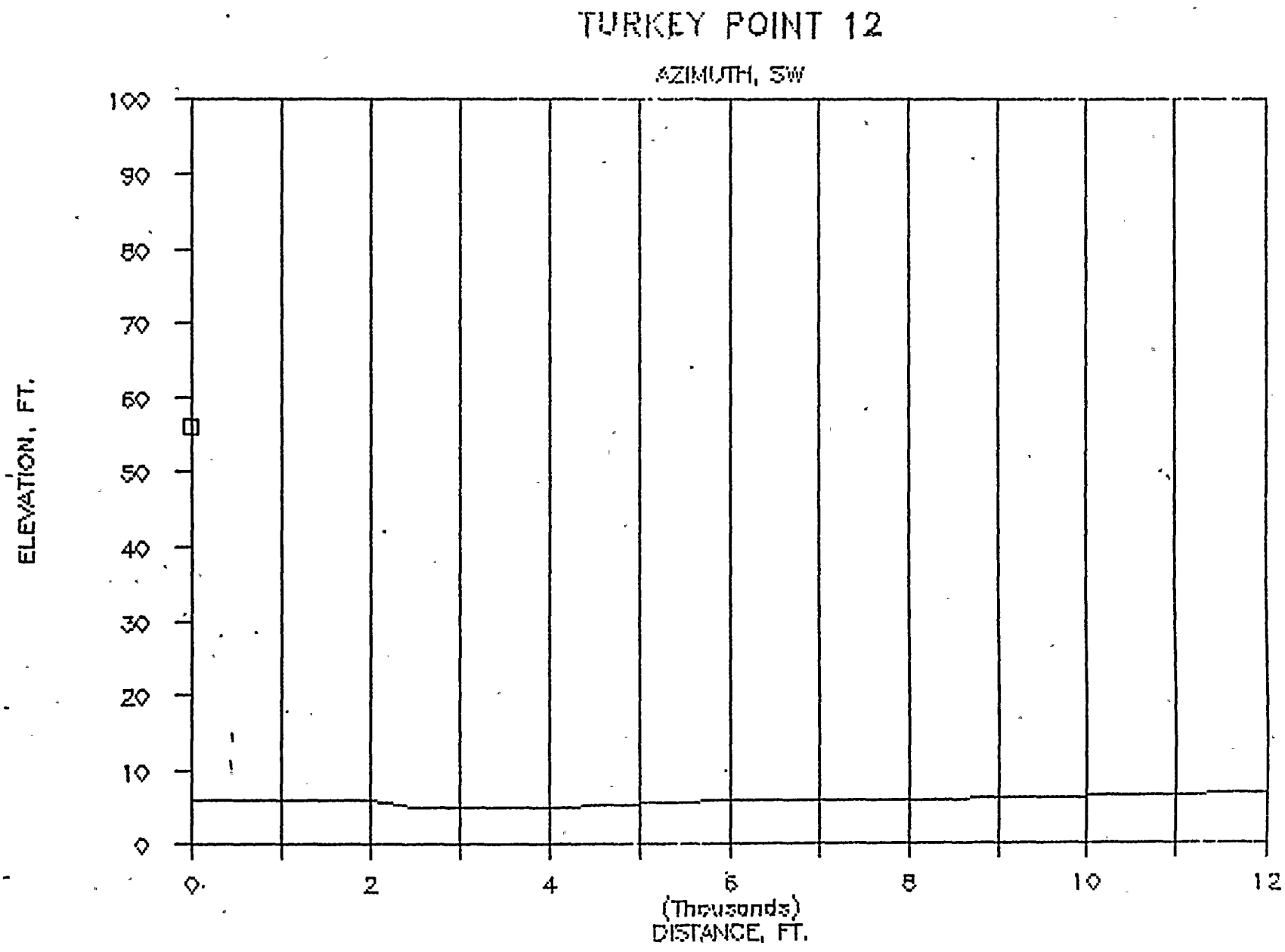
AZIMUTH, W



TURKEY POINT 12

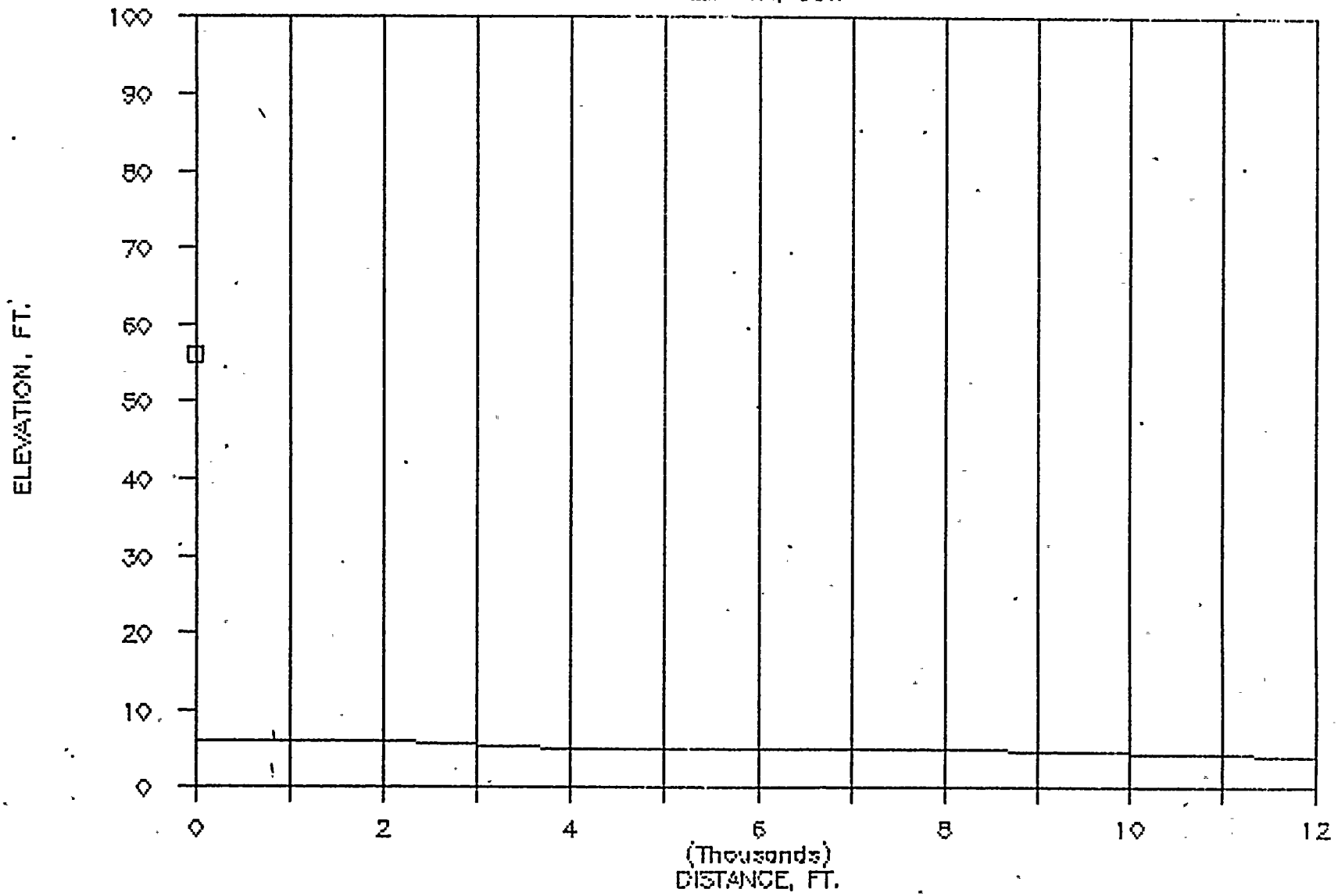
AZIMUTH, WSW




TURKEY POINT 12
AZIMUTH, SW
ELEVATION, FT.
100
90
80
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
(Thousands)
DISTANCE, FT.

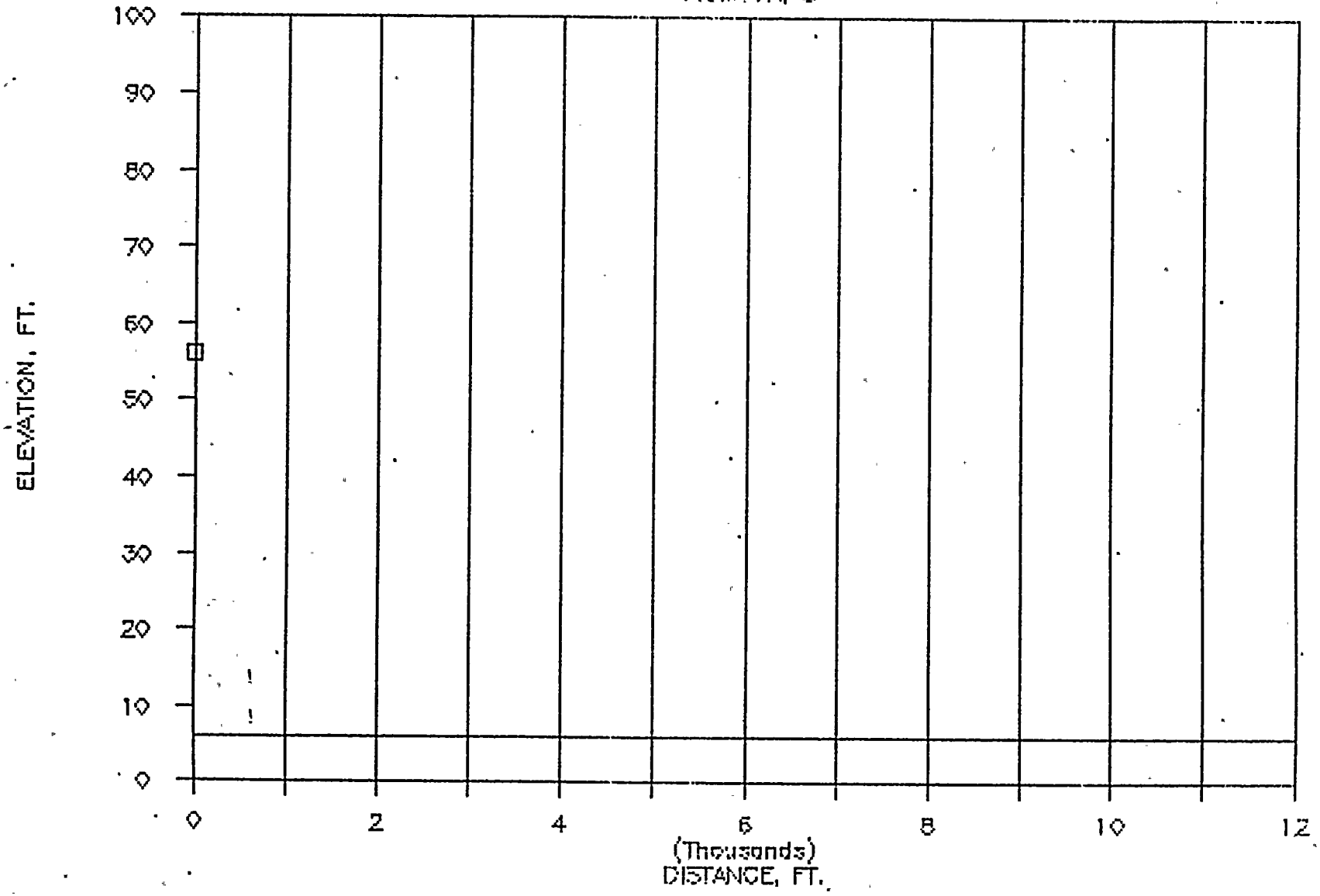
TURKEY POINT 12

AZIMUTH, SSW



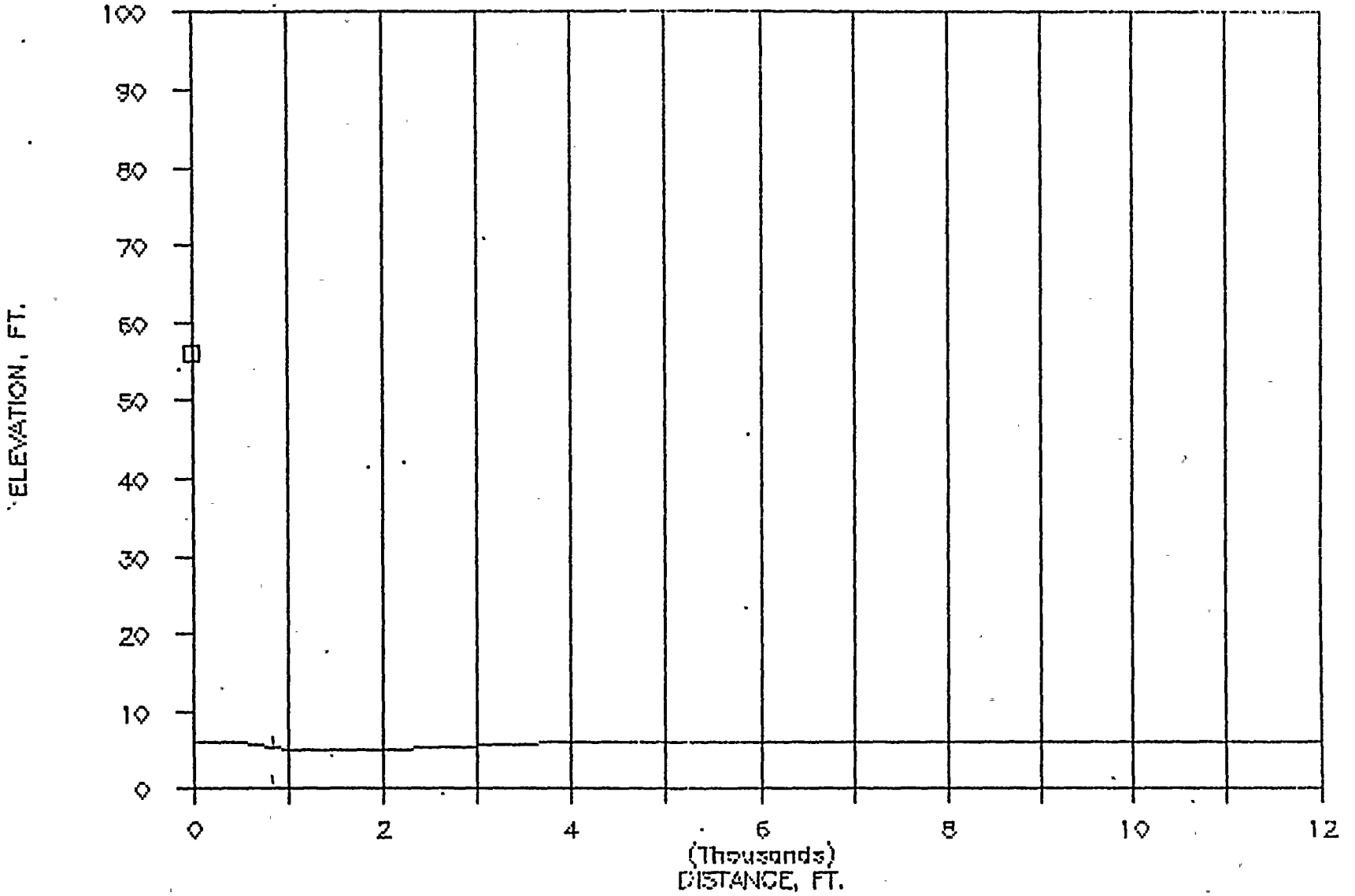
TURKEY POINT 12

AZIMUTH, S



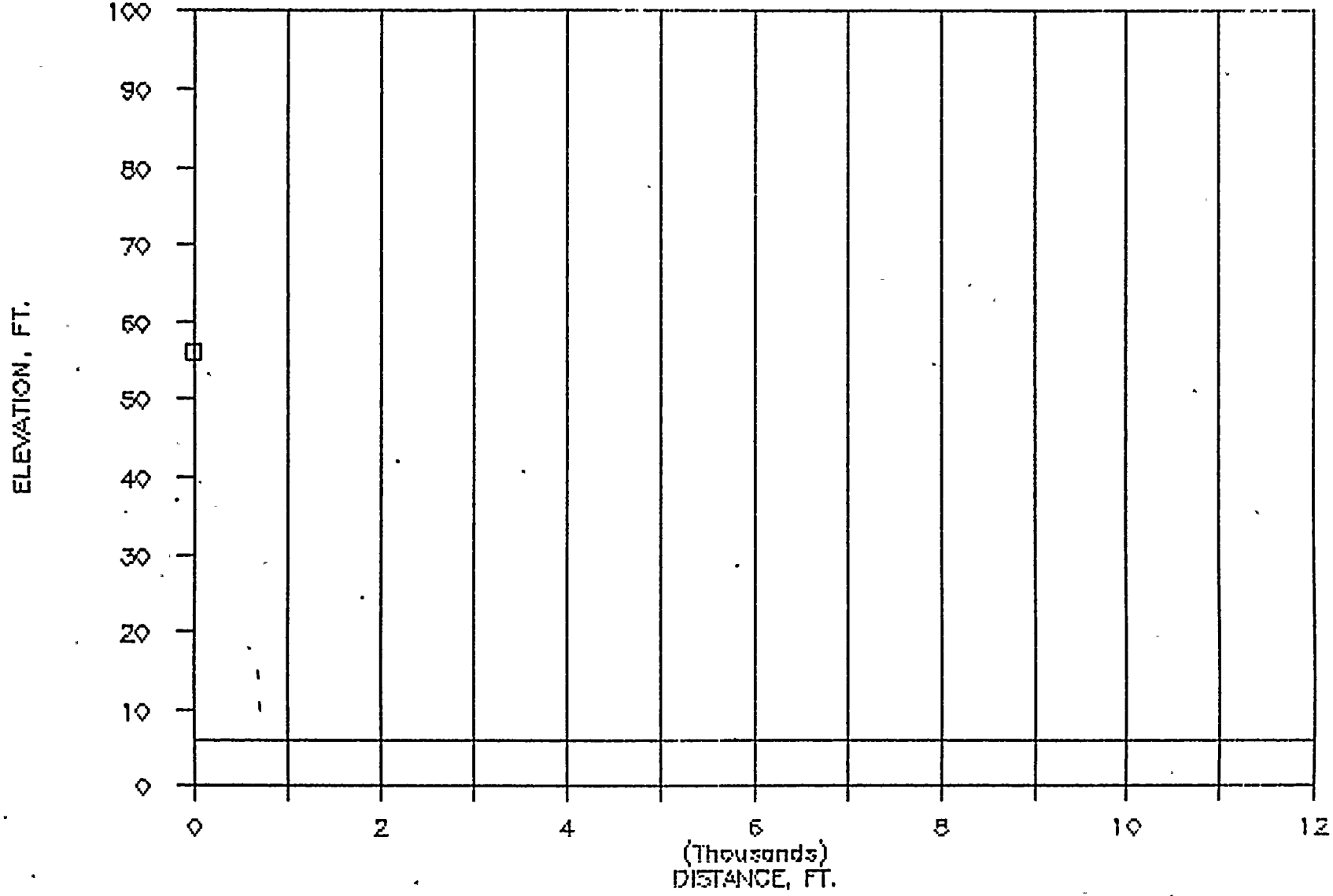
TURKEY POINT 12

AZIMUTH, SSE

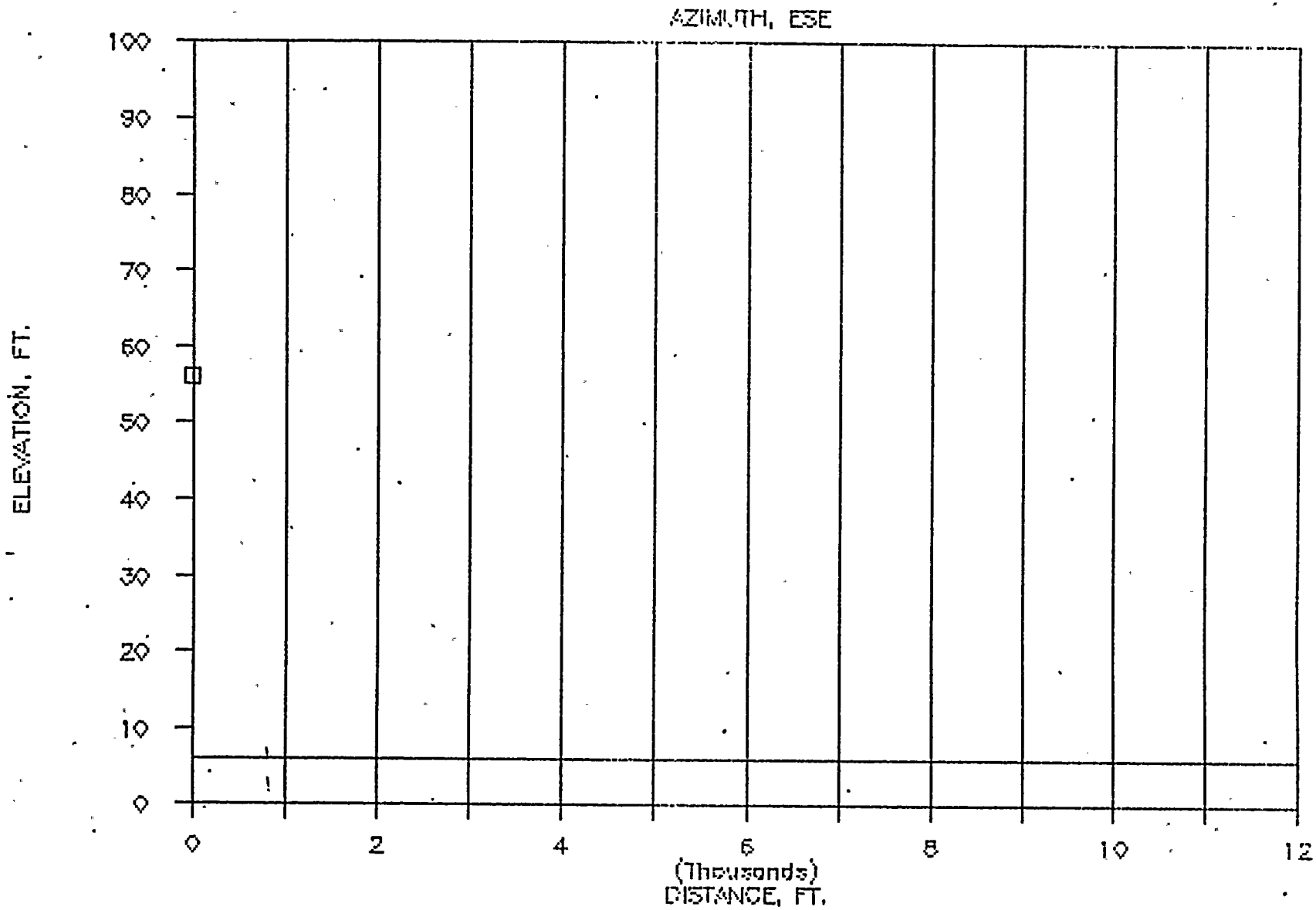


TURKEY POINT 12

AZIMUTH, SE



TURKEY POINT 12



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN 312-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH:MEASURING CLOCKWISE

SITE POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTI
1	500.	90.00	6.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	6.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	6.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	6.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	6.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	6.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	6.00	SOFT	0.	NO	0.	0.
8	500.	67.50	6.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	6.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	6.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	6.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	6.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	6.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	6.00	SOFT	0.	NO	0.	0.
15	500.	45.00	6.00	SOFT	0.	NO	0.	0.
16	1000.	45.00	6.00	SOFT	0.	NO	0.	[illegible]
17	2000.	45.00	6.00	SOFT	0.	NO	0.	[illegible]
18	4000.	45.00	6.00	SOFT	0.	NO	0.	[illegible]
19	6000.	45.00	6.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	6.00	SOFT	0.	NO	0.	[illegible]
21	12000.	45.00	7.00	SOFT	0.	NO	0.	0.
22	500.	22.50	5.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	5.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	5.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	6.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	5.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	6.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	6.00	SOFT	0.	NO	0.	0.
29	500.	.00	6.00	SOFT	0.	NO	0.	0.
30	1000.	.00	6.00	SOFT	0.	NO	0.	0.
31	2000.	.00	6.00	SOFT	0.	NO	0.	0.
32	4000.	.00	6.00	SOFT	0.	NO	0.	0.
33	6000.	.00	6.00	SOFT	0.	NO	0.	0.
34	8000.	.00	6.00	SOFT	0.	NO	0.	0.
35	12000.	.00	6.00	SOFT	0.	NO	0.	0.
36	500.	337.50	6.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	5.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	5.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	5.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	5.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	8.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	8.00	SOFT	0.	NO	0.	0.
43	500.	315.00	6.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	6.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	6.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	6.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	6.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	6.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	9.00	SOFT	0.	NO	0.	0.
50	500.	292.50	6.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	6.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	6.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	6.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	6.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	8.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	9.00	SOFT	0.	NO	0.	0.
57	500.	270.00	6.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	6.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	6.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	6.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	6.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	9.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	7.00	SOFT	0.	NO	0.	0.
64	500.	247.50	6.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	6.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	6.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	6.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	6.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	9.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	8.00	SOFT	0.	NO	0.	0.
71	500.	225.00	6.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	6.00	SOFT	0.	NO	0.	0.

RECEIVER POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTI
71	2000.	225.00	6.00	SOFT	0.	NO	0.	0.
72	4000.	225.00	6.00	SOFT	0.	NO	0.	0.
73	6000.	225.00	6.00	SOFT	0.	NO	0.	0.
74	8000.	225.00	6.00	SOFT	0.	NO	0.	0.
75	12000.	225.00	7.00	SOFT	0.	NO	0.	0.
76	500.	202.50	6.00	SOFT	0.	NO	0.	0.
77	1000.	202.50	6.00	SOFT	0.	NO	0.	0.
78	2000.	202.50	6.00	SOFT	0.	NO	0.	0.
79	4000.	202.50	5.00	SOFT	0.	NO	0.	0.
80	6000.	202.50	5.00	SOFT	0.	NO	0.	0.
81	8000.	202.50	5.00	SOFT	0.	NO	0.	0.
82	12000.	202.50	4.00	SOFT	0.	NO	0.	0.
83	500.	180.00	6.00	SOFT	0.	NO	0.	0.
84	1000.	180.00	6.00	SOFT	0.	NO	0.	0.
85	2000.	180.00	6.00	SOFT	0.	NO	0.	0.
86	4000.	180.00	6.00	SOFT	0.	NO	0.	0.
87	6000.	180.00	6.00	SOFT	0.	NO	0.	0.
88	8000.	180.00	6.00	SOFT	0.	NO	0.	0.
89	12000.	180.00	6.00	SOFT	0.	NO	0.	0.
90	500.	157.50	6.00	SOFT	0.	NO	0.	0.
91	1000.	157.50	5.00	SOFT	0.	NO	0.	0.
92	2000.	157.50	5.00	SOFT	0.	NO	0.	0.
93	4000.	157.50	6.00	SOFT	0.	NO	0.	0.
94	6000.	157.50	6.00	SOFT	0.	NO	0.	0.
95	8000.	157.50	6.00	SOFT	0.	NO	0.	0.
96	12000.	157.50	6.00	SOFT	0.	NO	0.	0.
97	500.	135.00	6.00	SOFT	0.	NO	0.	0.
98	1000.	135.00	6.00	SOFT	0.	NO	0.	0.
99	2000.	135.00	6.00	SOFT	0.	NO	0.	0.
100	4000.	135.00	6.00	SOFT	0.	NO	0.	0.
101	6000.	135.00	6.00	SOFT	0.	NO	0.	0.
102	8000.	135.00	6.00	SOFT	0.	NO	0.	0.
103	12000.	135.00	6.00	SOFT	0.	NO	0.	0.
104	500.	112.50	6.00	SOFT	0.	NO	0.	0.
105	1000.	112.50	6.00	SOFT	0.	NO	0.	0.
106	2000.	112.50	6.00	SOFT	0.	NO	0.	0.
107	4000.	112.50	6.00	SOFT	0.	NO	0.	0.
108	6000.	112.50	6.00	SOFT	0.	NO	0.	0.
109	8000.	112.50	6.00	SOFT	0.	NO	0.	0.
110	12000.	112.50	6.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #12-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DB-	DBI	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 6.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #12-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.0 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	H2	TEMPERATURE(C) H1	H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

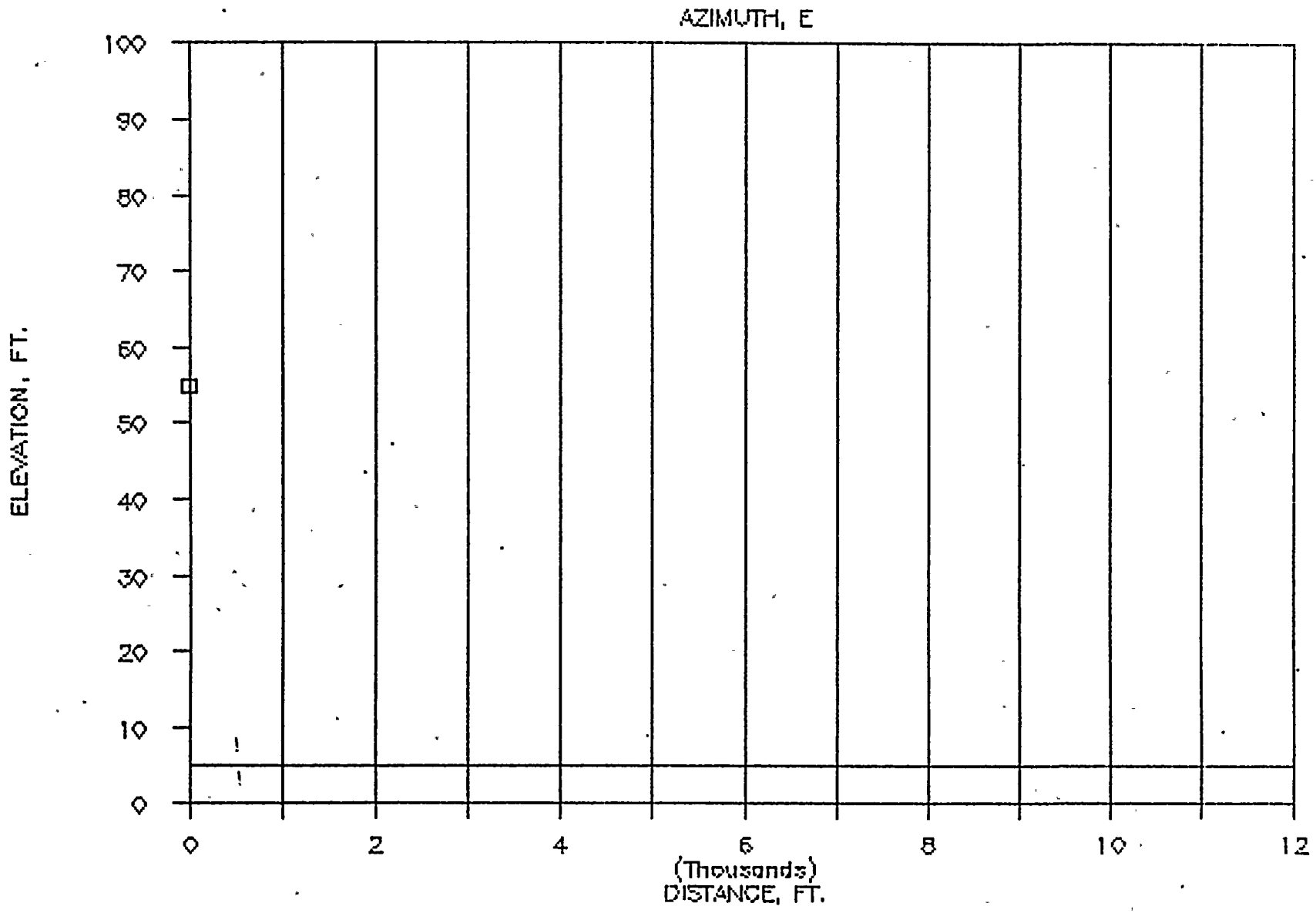
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT AND SIREN #12-W53000

SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

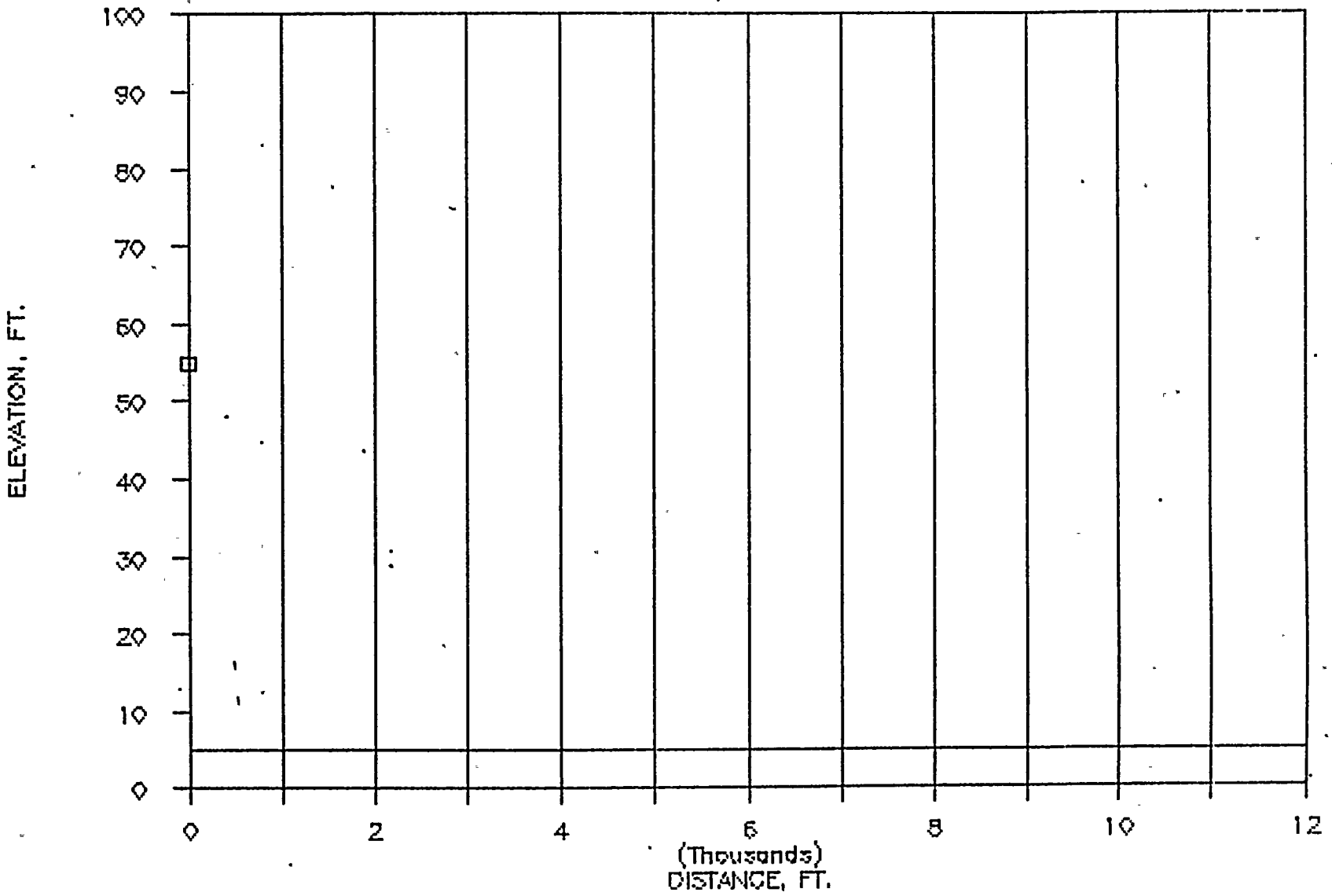
AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	92.	70.	45.	40.	36.	29.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	91.	69.	45.	40.	36.	29.

TURKEY POINT 13



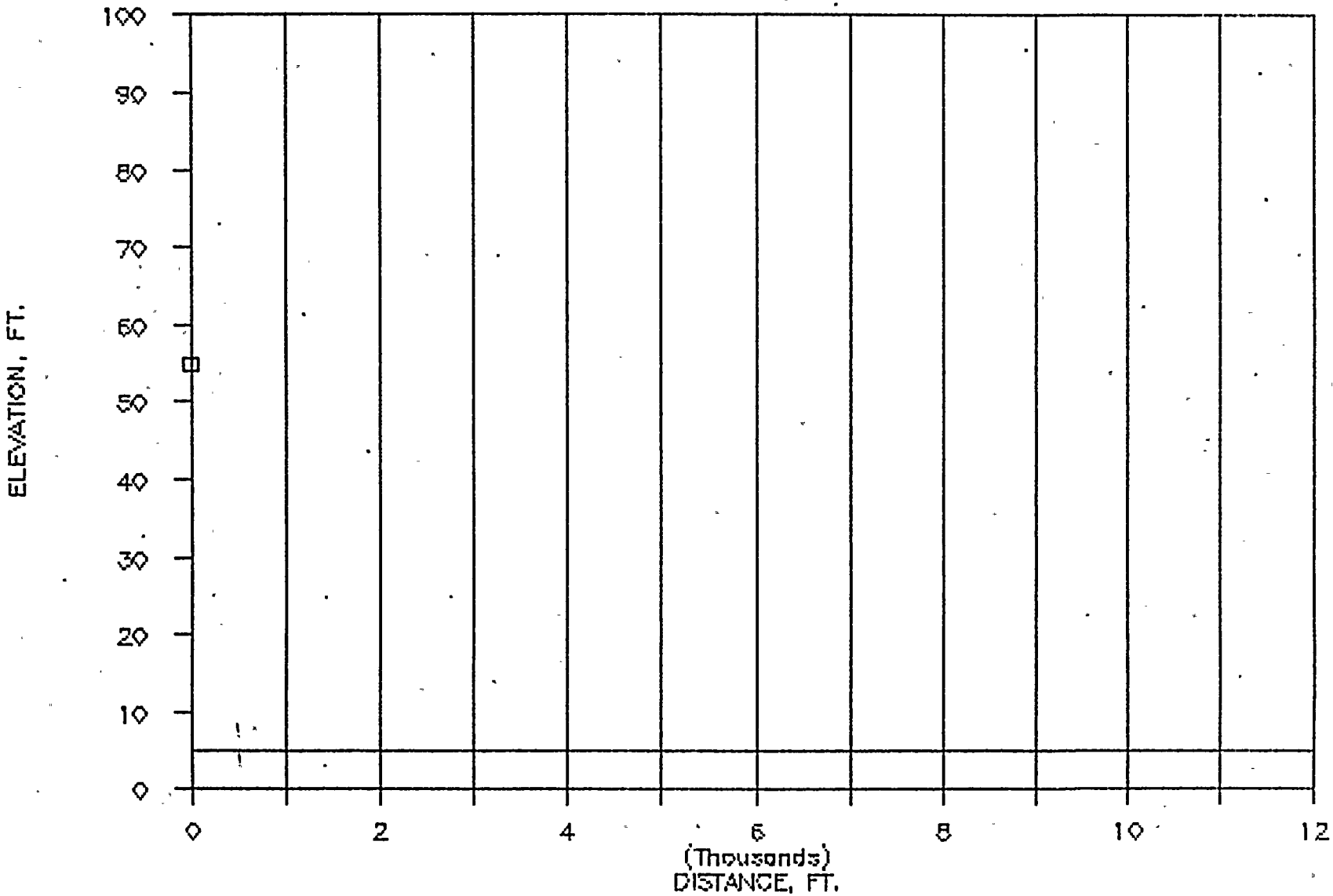
TURKEY POINT 13

AZIMUTH, ENE



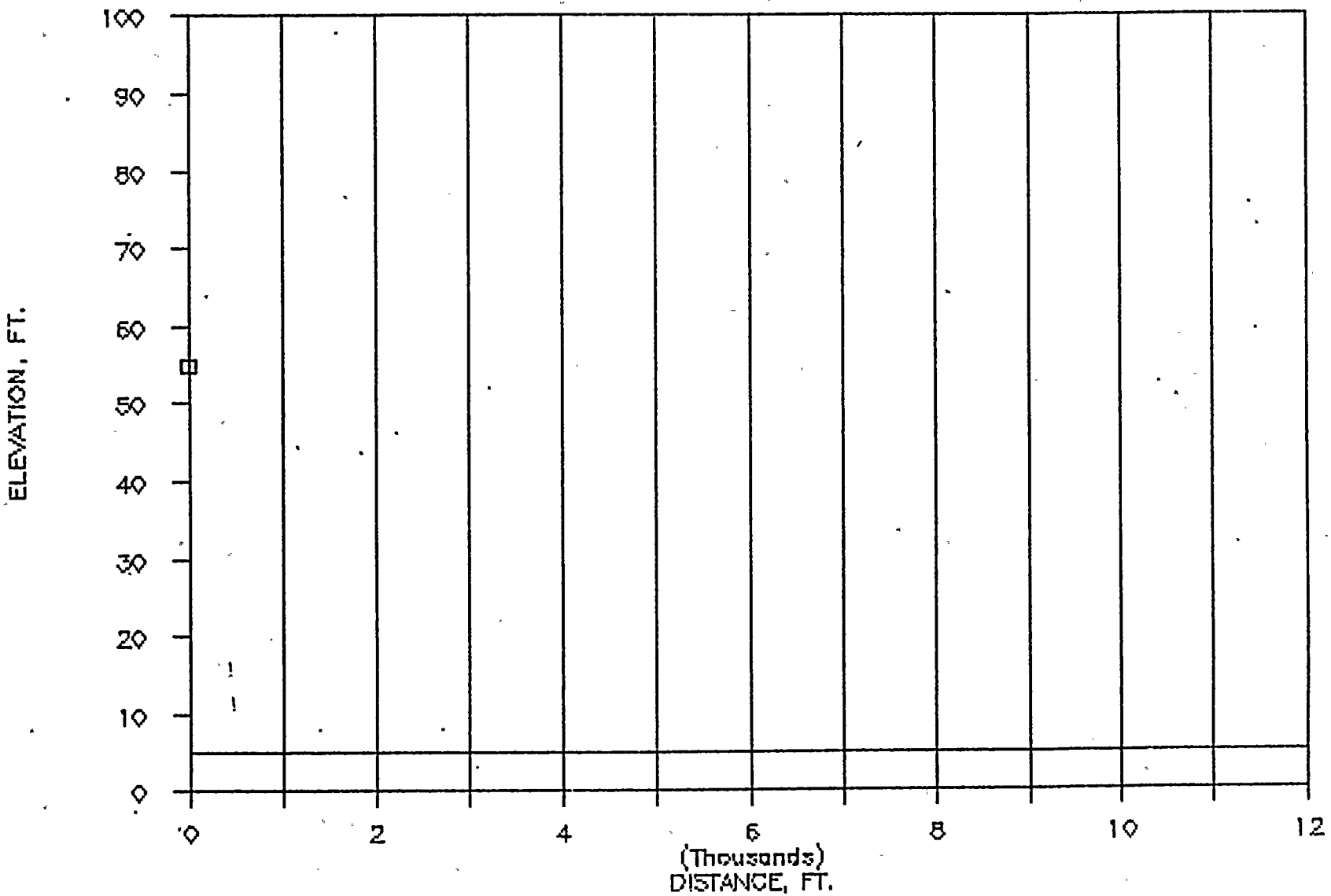
TURKEY POINT 13

AZIMUTH, NE

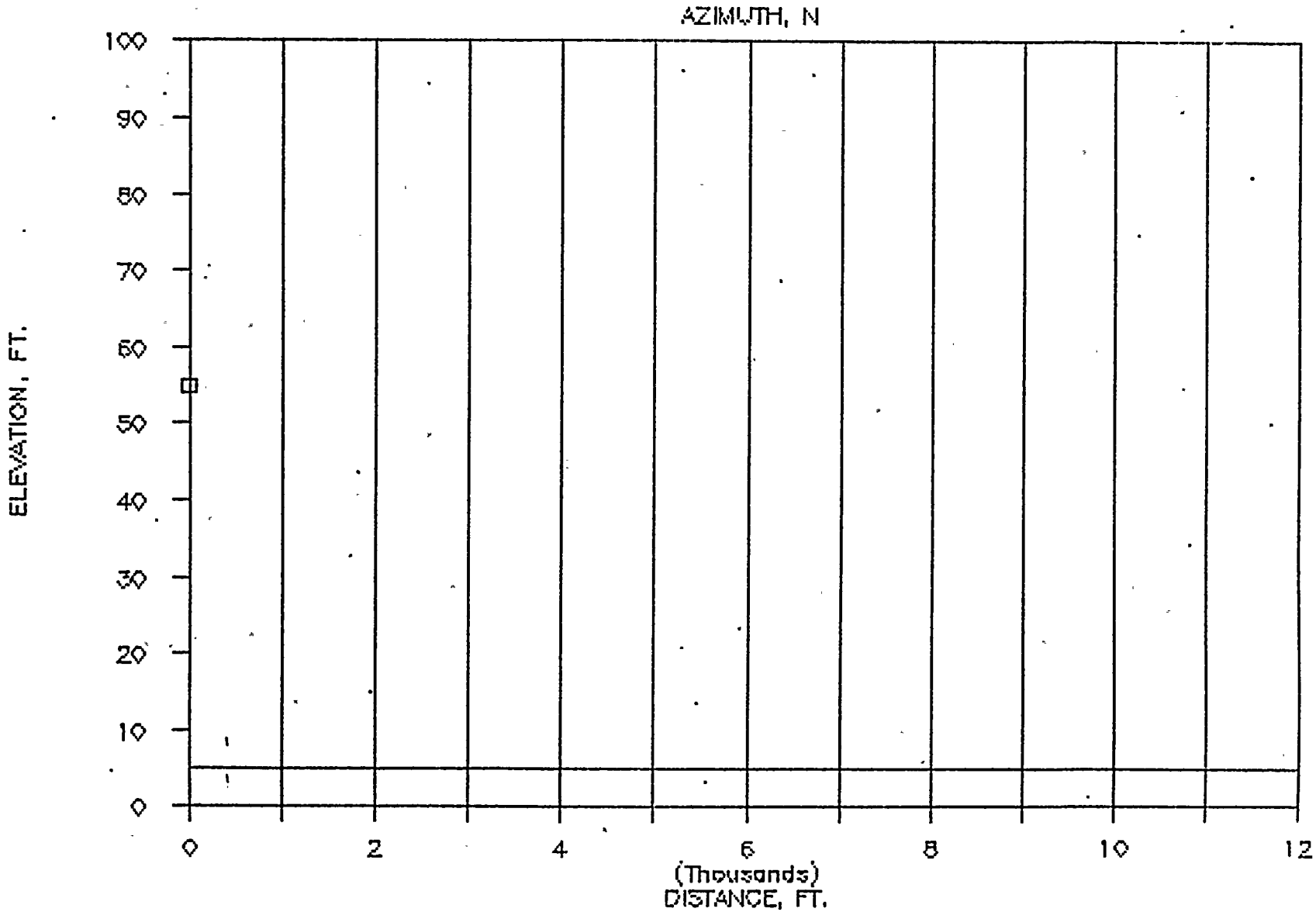


TURKEY POINT 13

AZIMUTH, NNE

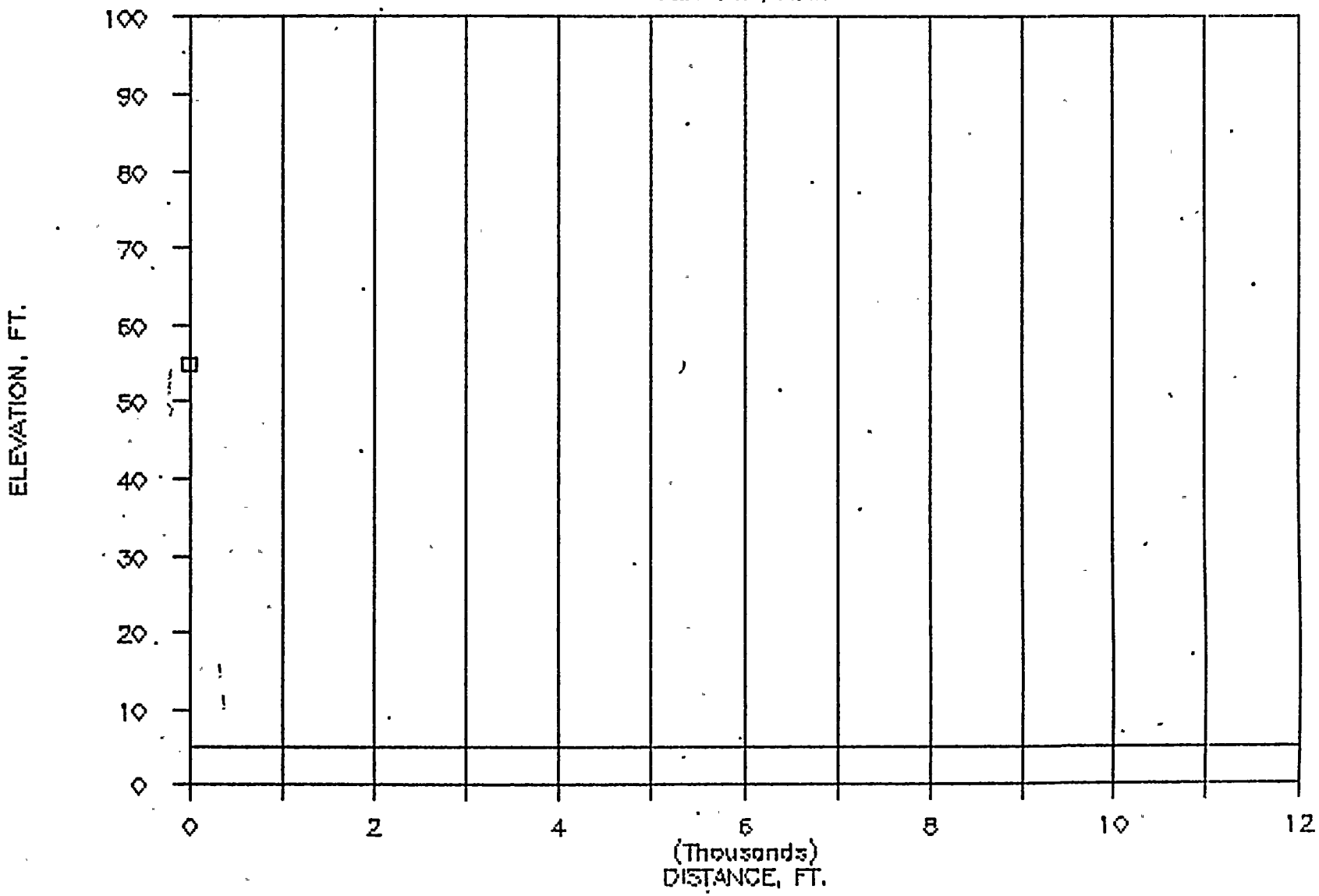


TURKEY POINT 13



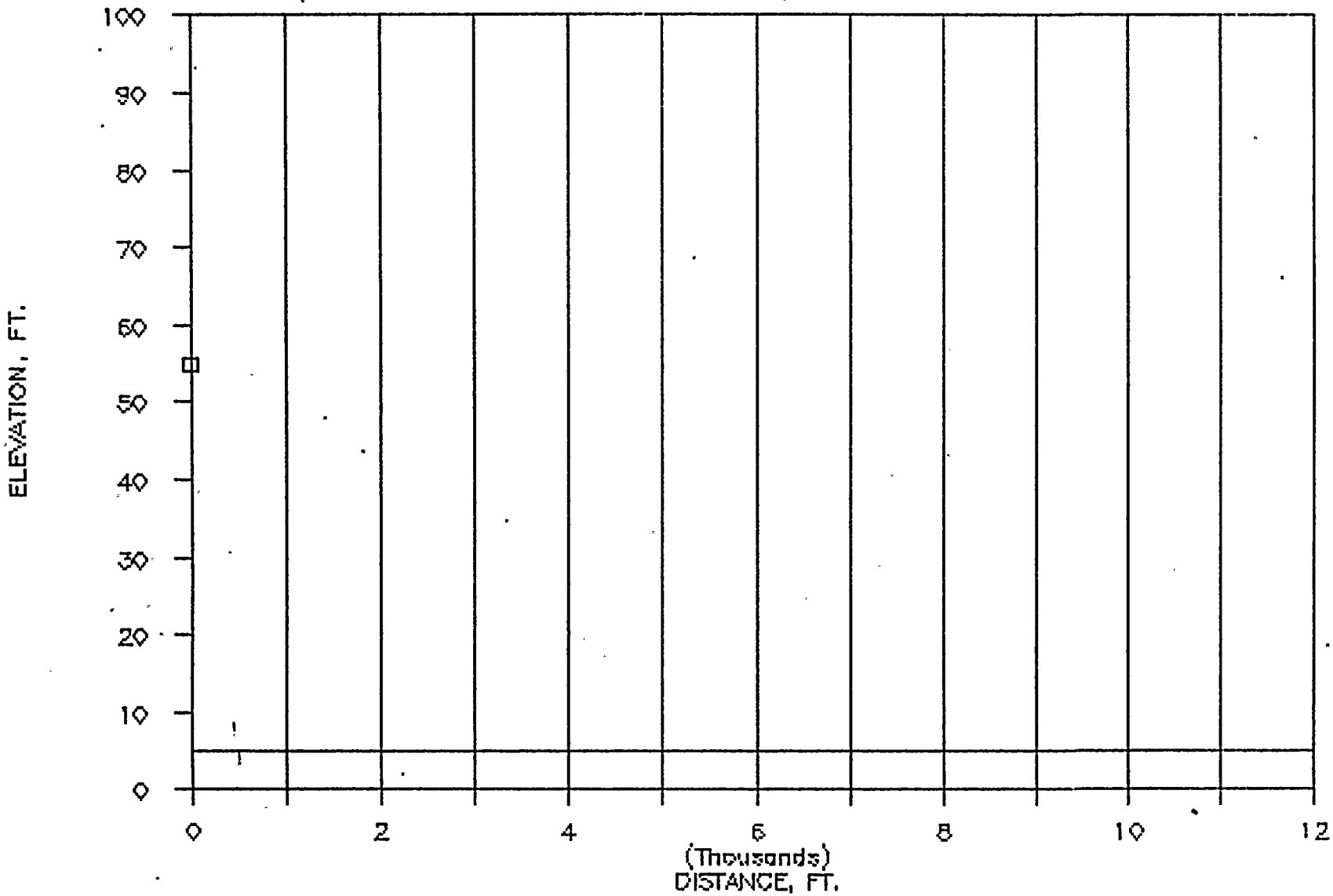
TURKEY POINT 13

AZIMUTH, NNW



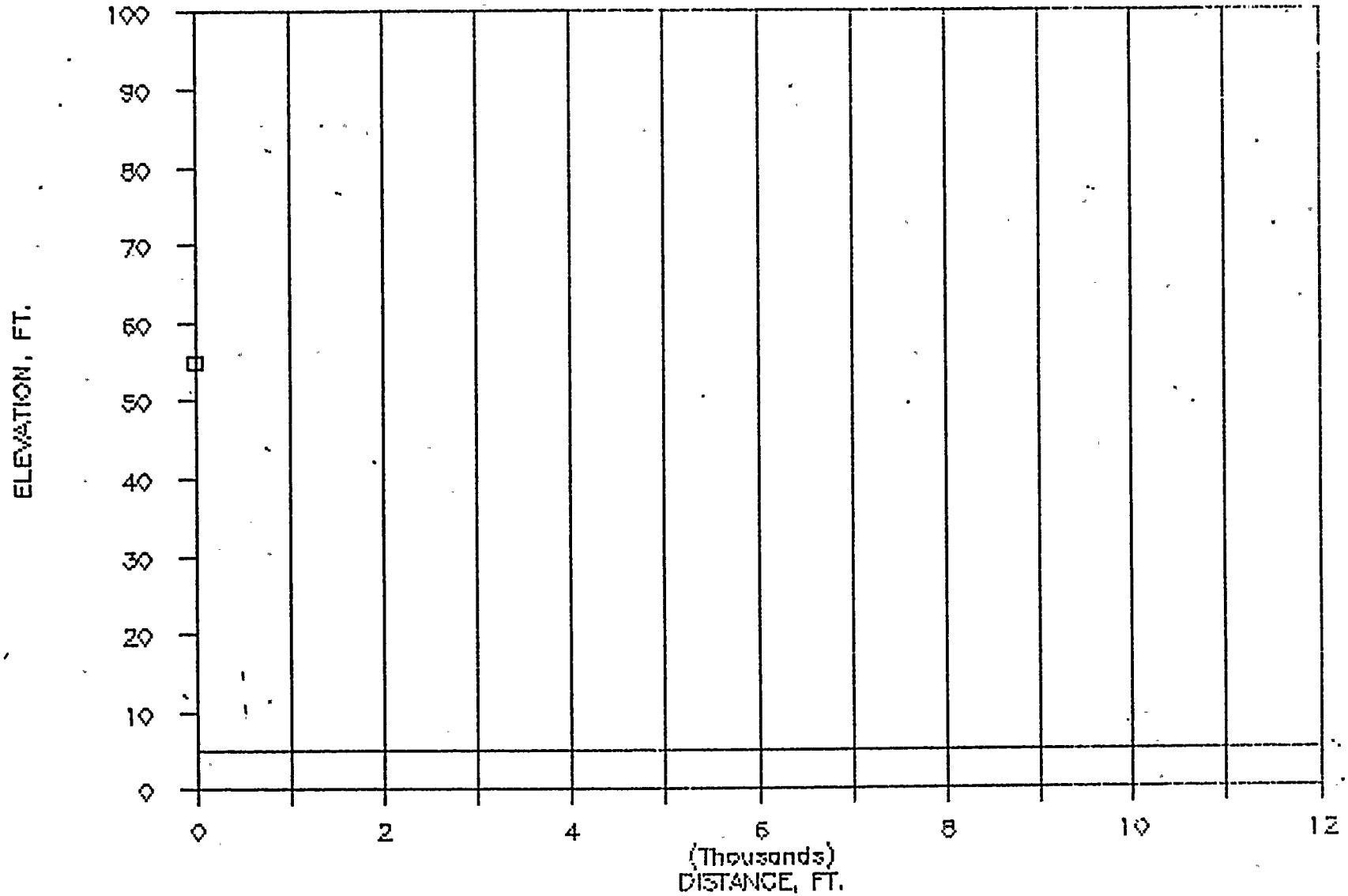
TURKEY POINT 13

AZIMUTH, NW



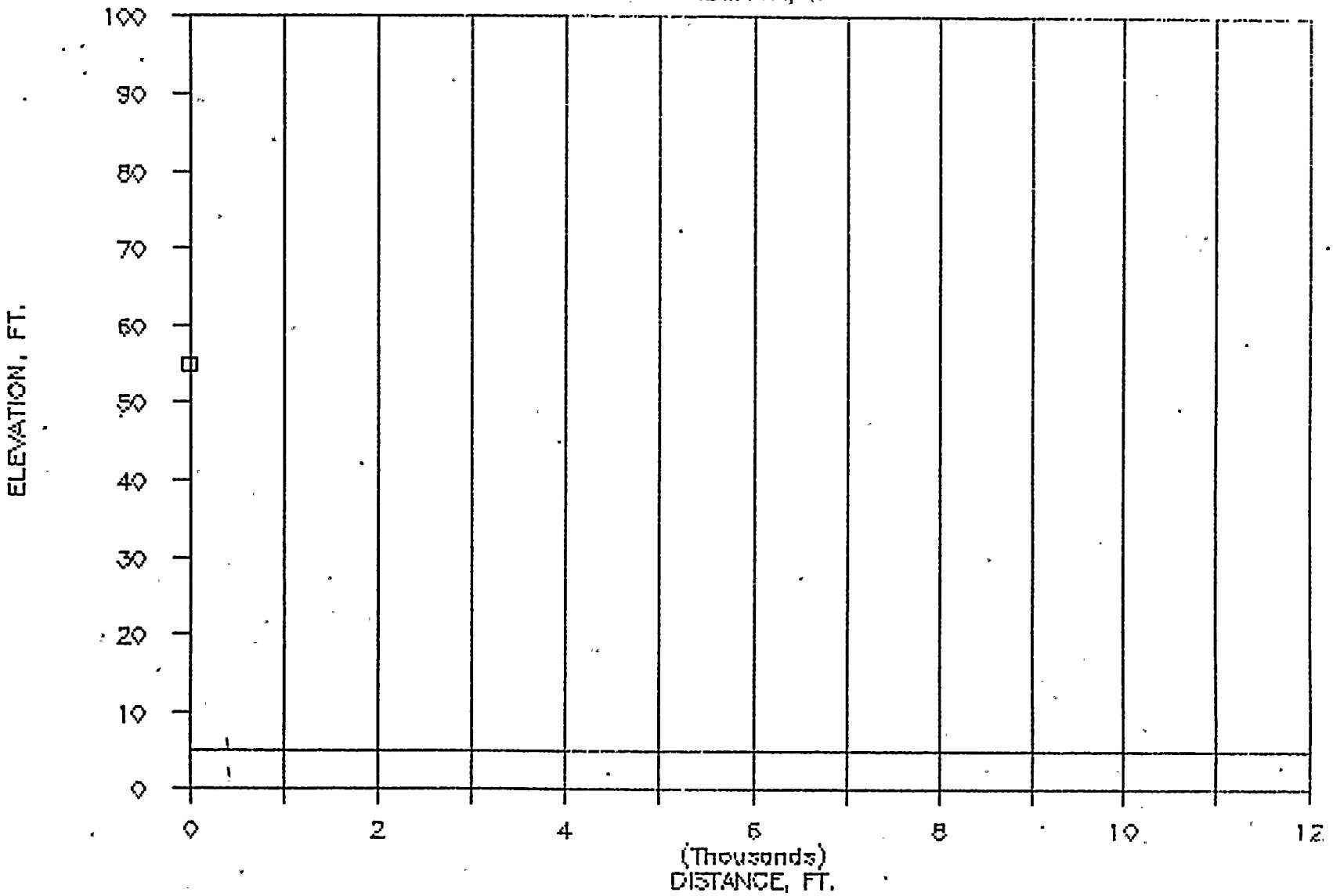
TURKEY POINT 13

AZIMUTH, WNW



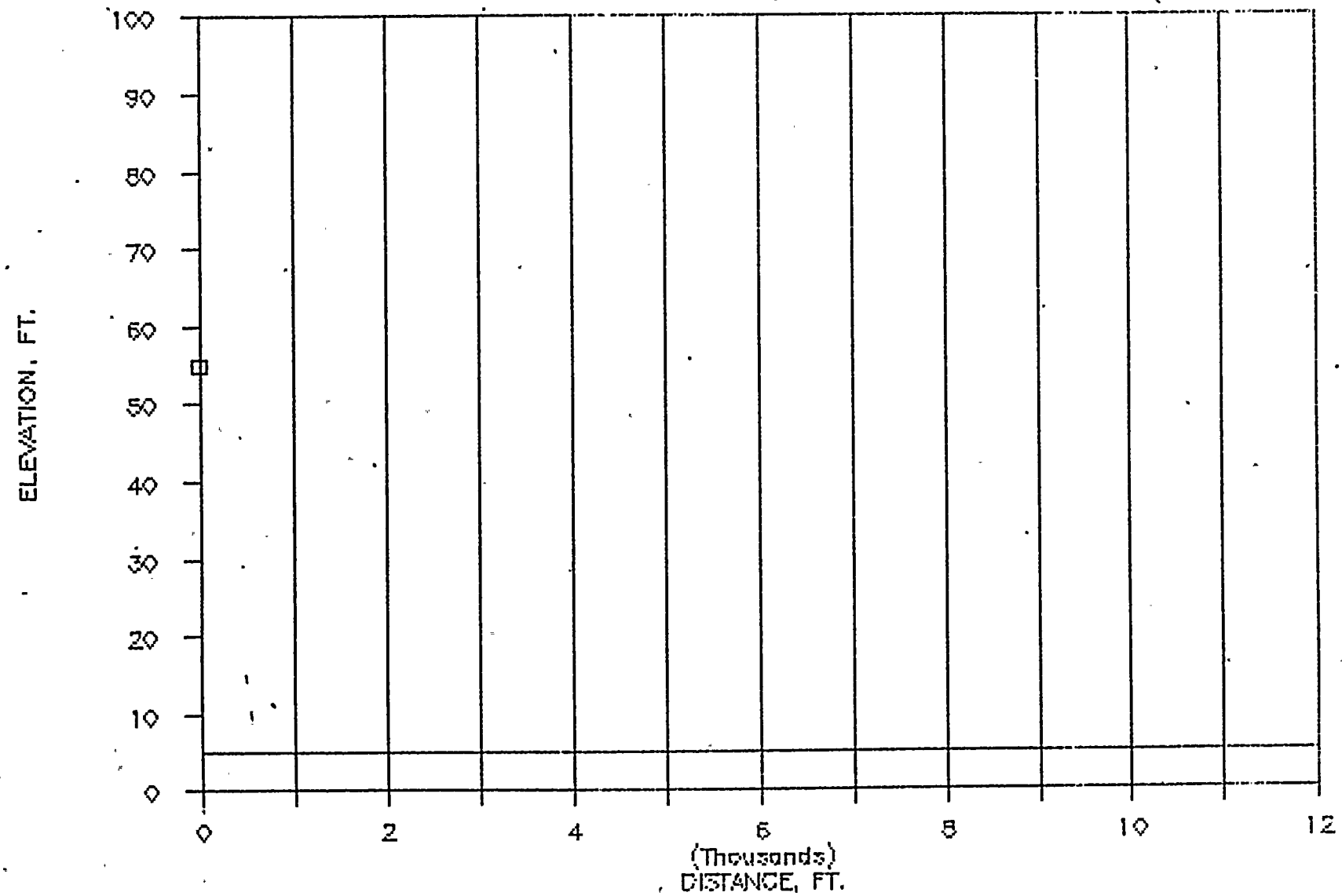
TURKEY POINT 13

AZIMUTH, W



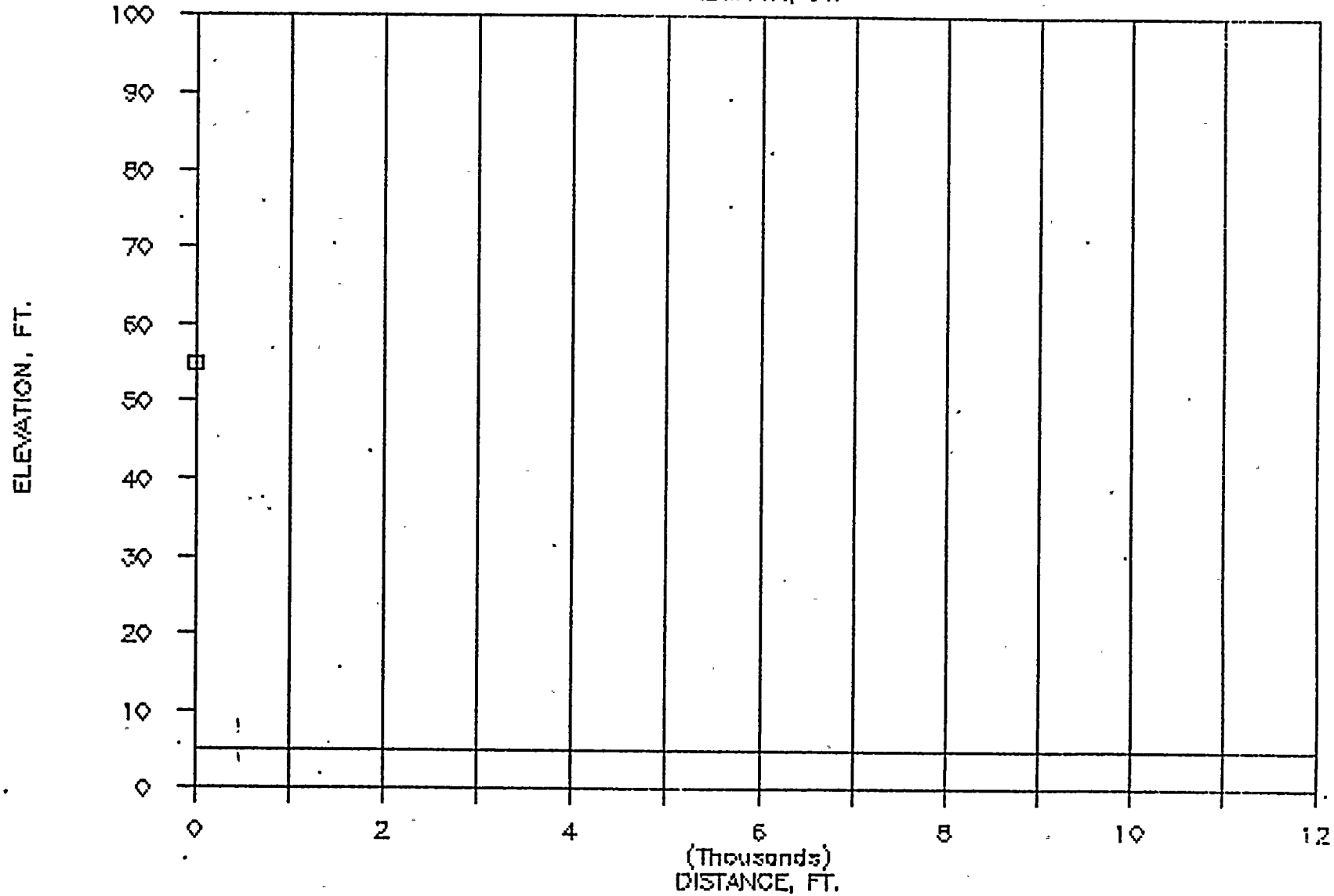
TURKEY POINT 13

AZIMUTH, WSW



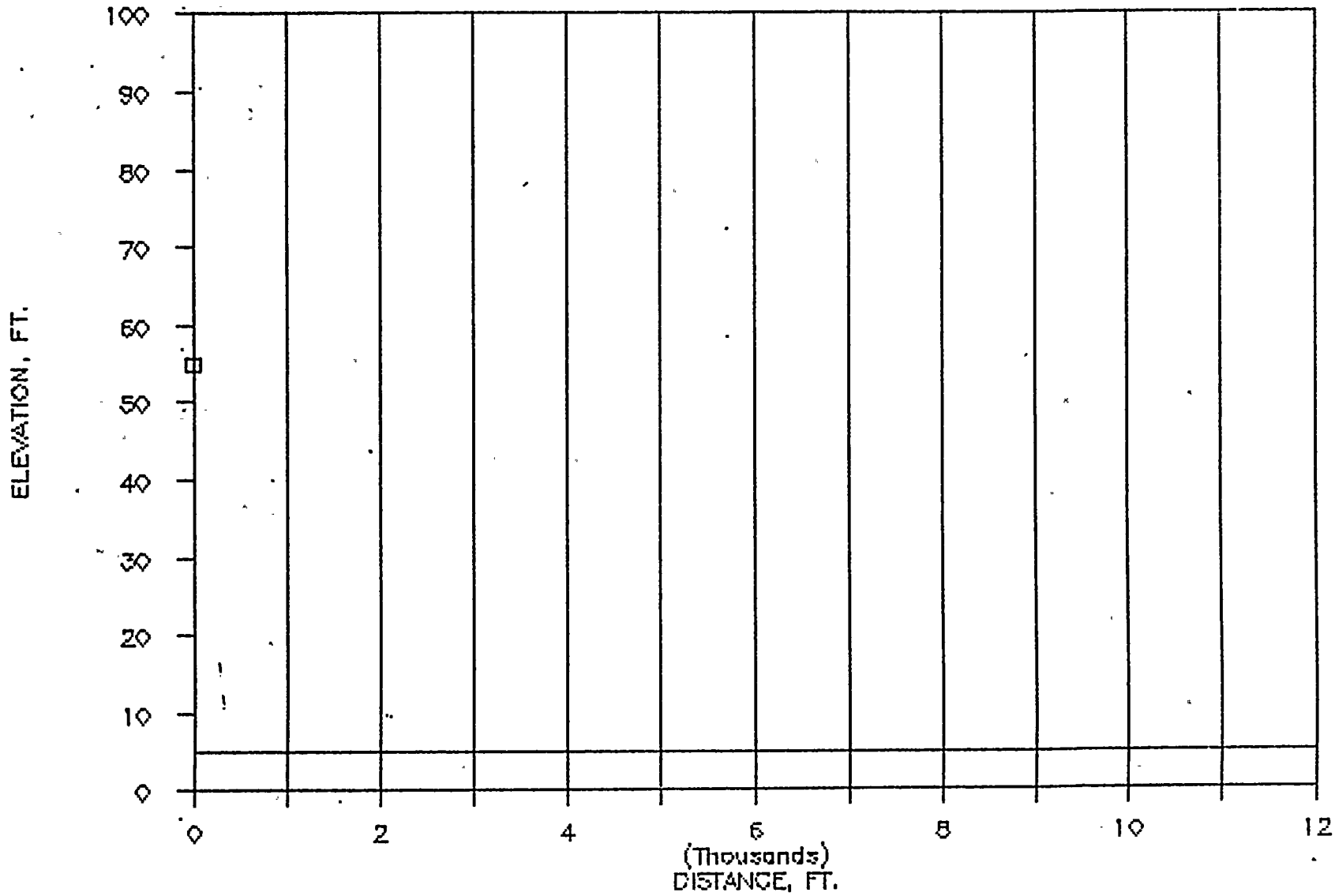
TURKEY POINT 13

AZIMUTH, SW



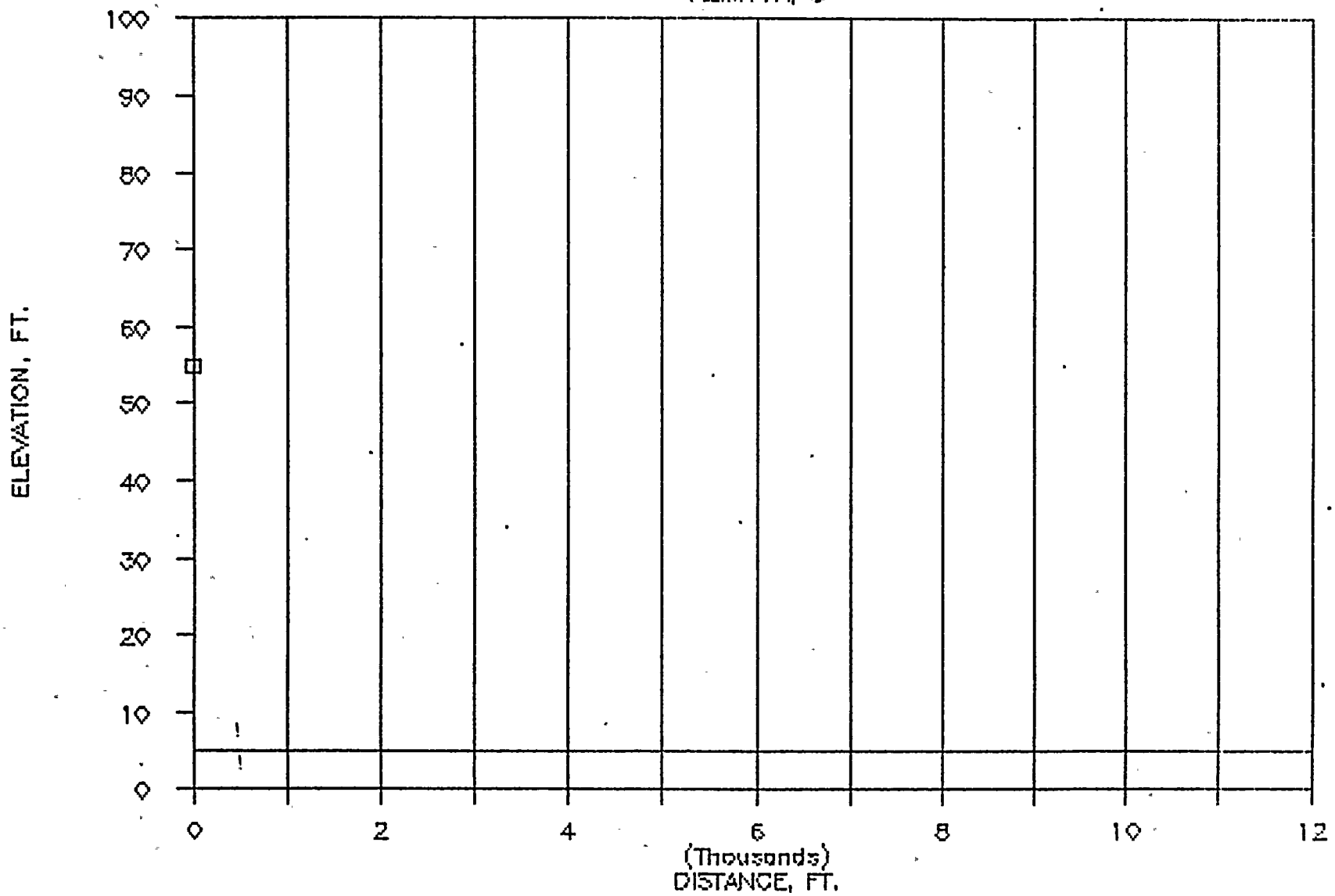
TURKEY POINT 13

AZIMUTH, SSW



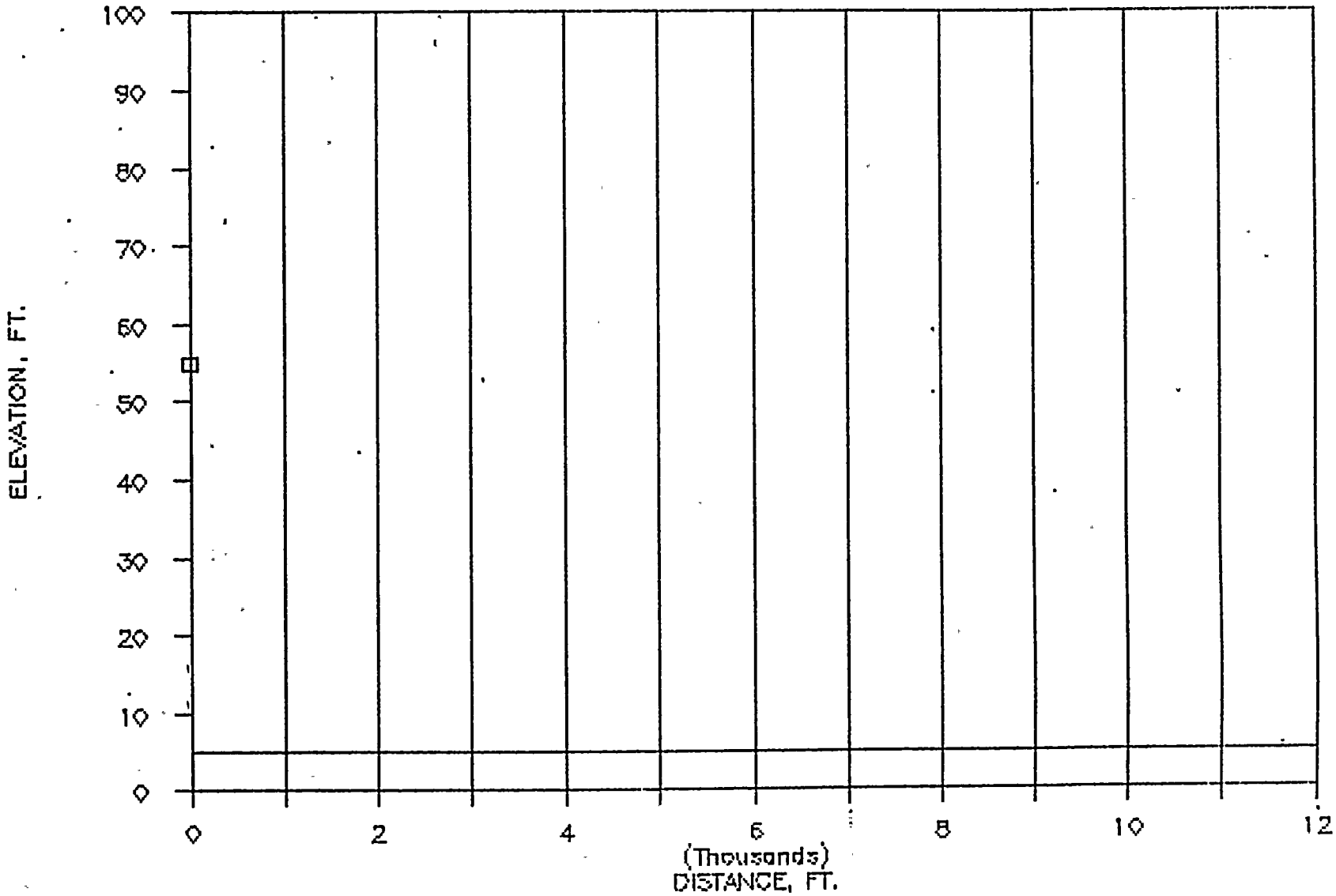
TURKEY POINT 13

AZIMUTH, S



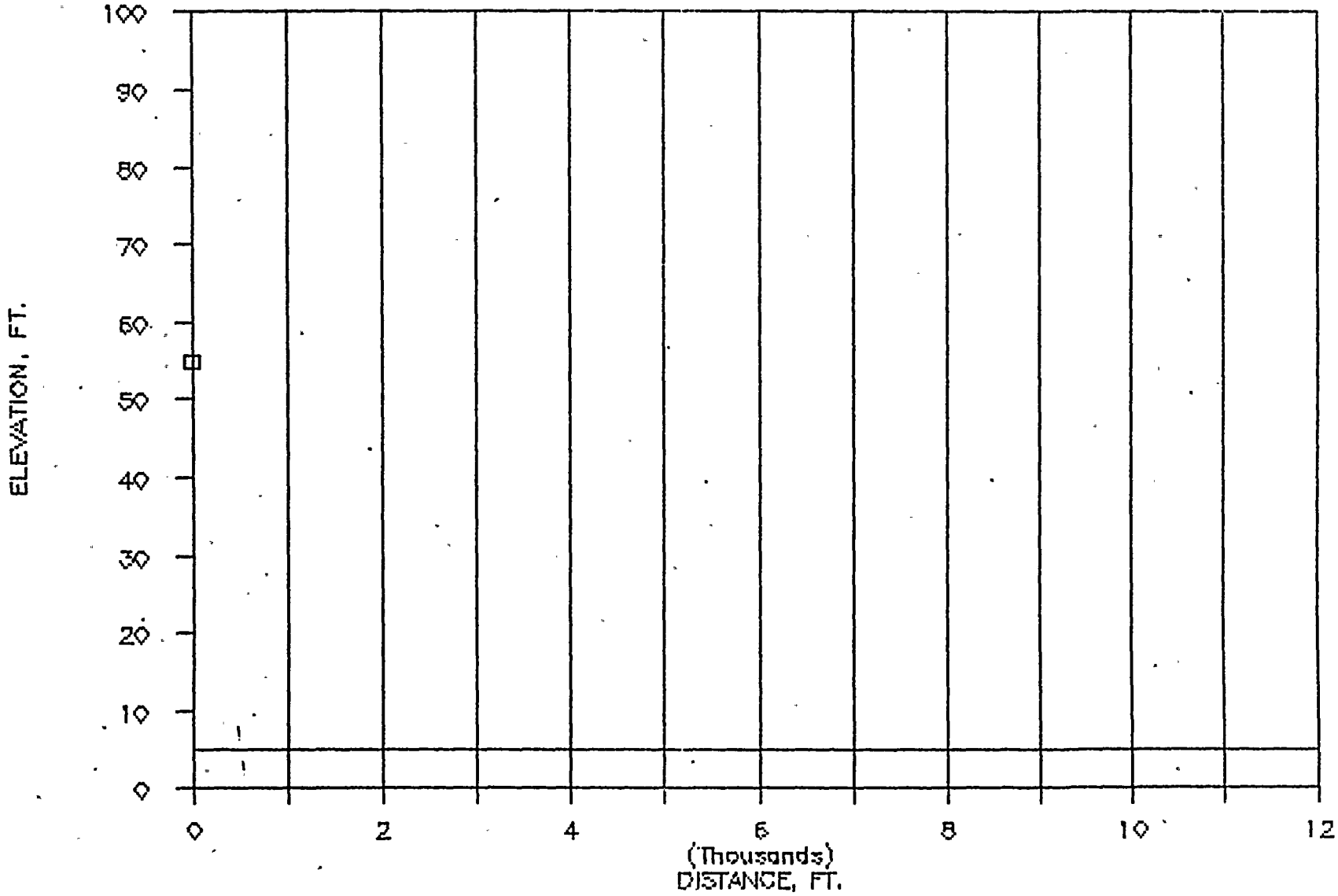
TURKEY POINT 13

AZIMUTH, SSE



TURKEY POINT 13

AZIMUTH, SE



TURKEY POINT 13

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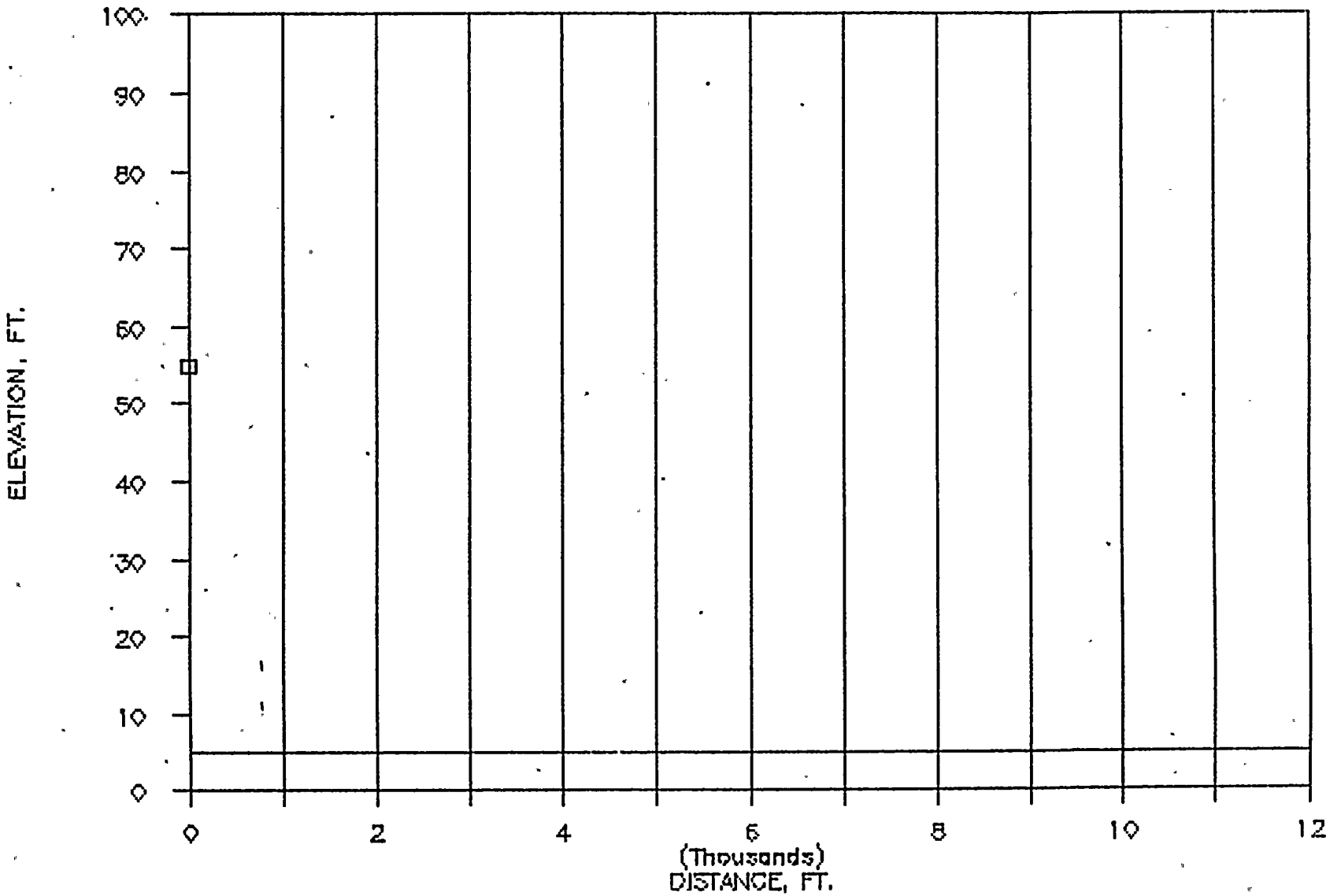


FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SITEW #13-WE3000.
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

SHIP POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	5.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	5.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	5.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	5.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	5.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	5.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	5.00	SOFT	0.	NO	0.	0.
8	500.	67.50	5.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	5.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	5.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	5.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	5.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	5.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	5.00	SOFT	0.	NO	0.	0.
15	500.	45.00	5.00	SOFT	0.	NO	0.	0.
16	1000.	45.00	5.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	5.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	5.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	5.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	5.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	5.00	SOFT	0.	NO	0.	0.
22	500.	22.50	5.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	5.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	5.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	5.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	5.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	5.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	5.00	SOFT	0.	NO	0.	0.
29	500.	.00	5.00	SOFT	0.	NO	0.	0.
30	1000.	.00	5.00	SOFT	0.	NO	0.	0.
31	2000.	.00	5.00	SOFT	0.	NO	0.	0.
32	4000.	.00	5.00	SOFT	0.	NO	0.	0.
33	6000.	.00	5.00	SOFT	0.	NO	0.	0.
34	8000.	.00	5.00	SOFT	0.	NO	0.	0.
35	12000.	.00	5.00	SOFT	0.	NO	0.	0.
36	500.	337.50	5.00	SOFT	0.	NO	0.	0.

[illegible] POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIG[illegible] OBST[illegible]
[illegible]	[illegible]	[illegible]	5.00	SOFT	0.	NO	0.	[illegible]
[illegible]	[illegible]	[illegible]	5.00	SOFT	0.	NO	0.	0.
[illegible]	[illegible]	[illegible]	5.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	5.00	SOFT	0.	NO	0.	0.
41	[illegible]	337.50	5.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	5.00	SOFT	0.	NO	0.	0.
[illegible]	500.	315.00	5.00	SOFT	0.	NO	0.	[illegible]
44	1000.	315.00	5.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	5.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	5.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	5.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	5.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	5.00	SOFT	0.	NO	0.	0.
50	500.	292.50	5.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	5.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	5.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	5.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	5.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	5.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	5.00	SOFT	0.	NO	0.	0.
57	500.	270.00	5.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	5.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	5.00	SOFT	0.	NO	0.	[illegible]
[illegible]	[illegible]	270.00	5.00	SOFT	0.	NO	0.	[illegible]
[illegible]	[illegible]	270.00	5.00	SOFT	0.	NO	0.	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	SOFT	0.	NO	0.	0.
[illegible]	12000.	270.00	5.00	SOFT	0.	NO	0.	0.
64	500.	247.50	5.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	5.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	5.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	5.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	5.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	5.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	5.00	SOFT	0.	NO	0.	0.
71	500.	225.00	5.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	5.00	SOFT	0.	NO	0.	0.

RCV POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
71	2000.	225.00	5.00	SOFT	0.	NO	0.	0.
72	4000.	225.00	5.00	SOFT	0.	NO	0.	0.
73	6000.	225.00	5.00	SOFT	0.	NO	0.	0.
74	8000.	225.00	5.00	SOFT	0.	NO	0.	0.
75	12000.	225.00	5.00	SOFT	0.	NO	0.	0.
76	500.	202.50	5.00	SOFT	0.	NO	0.	0.
77	1000.	202.50	5.00	SOFT	0.	NO	0.	0.
78	2000.	202.50	5.00	SOFT	0.	NO	0.	0.
79	4000.	202.50	5.00	SOFT	0.	NO	0.	0.
80	6000.	202.50	5.00	SOFT	0.	NO	0.	0.
81	8000.	202.50	5.00	SOFT	0.	NO	0.	0.
82	12000.	202.50	5.00	SOFT	0.	NO	0.	0.
83	500.	180.00	5.00	SOFT	0.	NO	0.	0.
84	1000.	180.00	5.00	SOFT	0.	NO	0.	0.
85	2000.	180.00	5.00	SOFT	0.	NO	0.	0.
86	4000.	180.00	5.00	SOFT	0.	NO	0.	0.
87	6000.	180.00	5.00	SOFT	0.	NO	0.	0.
88	8000.	180.00	5.00	SOFT	0.	NO	0.	0.
89	12000.	180.00	5.00	SOFT	0.	NO	0.	0.
90	500.	157.50	5.00	SOFT	0.	NO	0.	0.
91	1000.	157.50	5.00	SOFT	0.	NO	0.	0.
92	2000.	157.50	5.00	SOFT	0.	NO	0.	0.
93	4000.	157.50	5.00	SOFT	0.	NO	0.	0.
94	6000.	157.50	5.00	SOFT	0.	NO	0.	0.
95	8000.	157.50	5.00	SOFT	0.	NO	0.	0.
96	12000.	157.50	5.00	SOFT	0.	NO	0.	0.
97	500.	135.00	5.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	5.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	5.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	5.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	5.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	5.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	5.00	SOFT	0.	NO	0.	0.
106	500.	112.50	5.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	5.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	5.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	5.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	5.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	5.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	5.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT AHS SIREN #13-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DSP	DSC	[illegible]	63	125	250	500	1000	2000	4000	8000 (HZ)
.	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 5.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT AHS SIREN #13-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.00 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1980		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

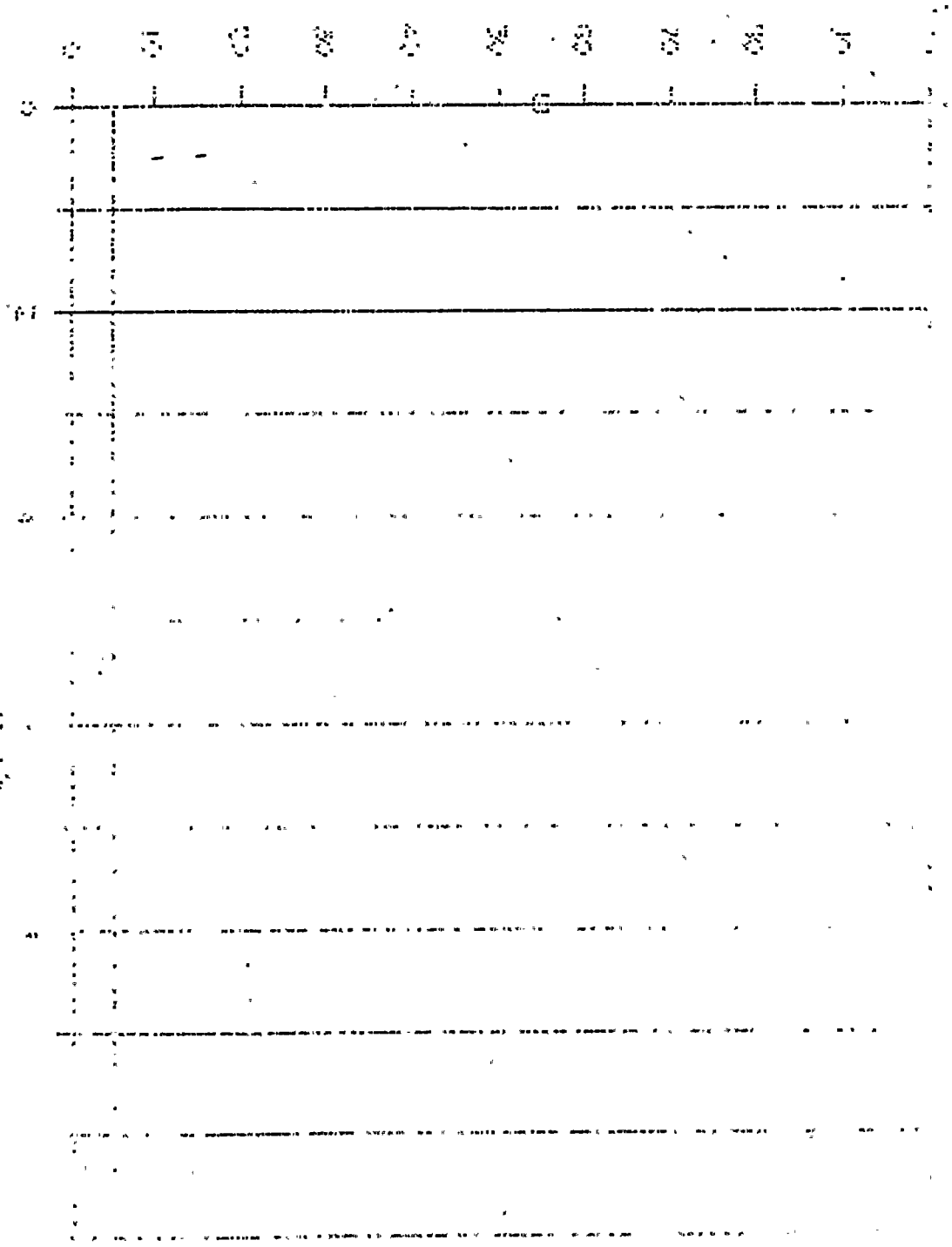
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ONE SIREN EIB-WE3004

SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	92.	70.	45.	40.	36.	29.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	91.	69.	45.	40.	36.	29.

ELEVATION, FT



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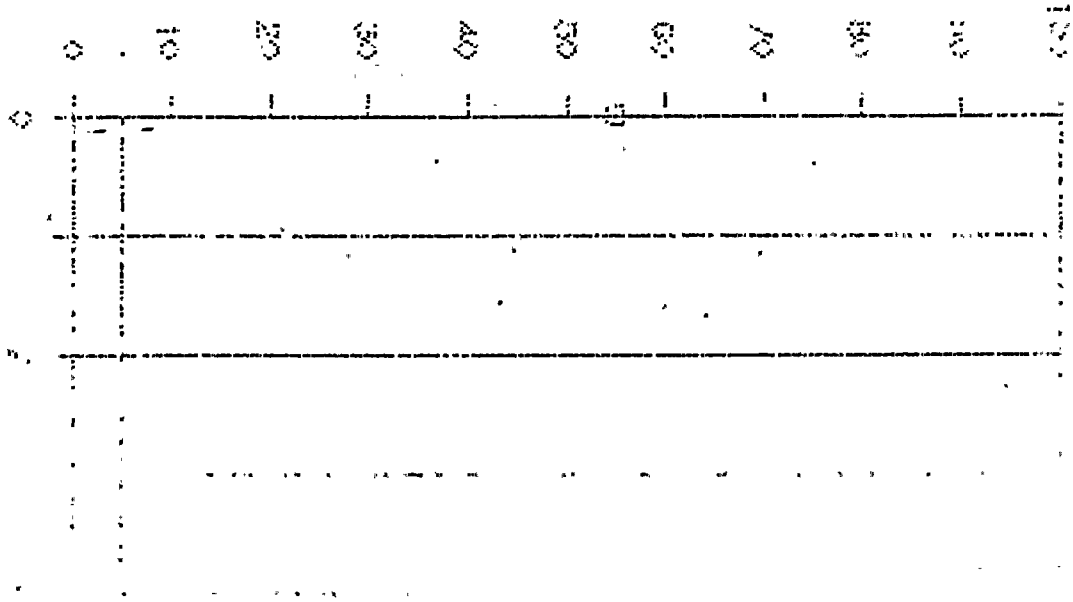

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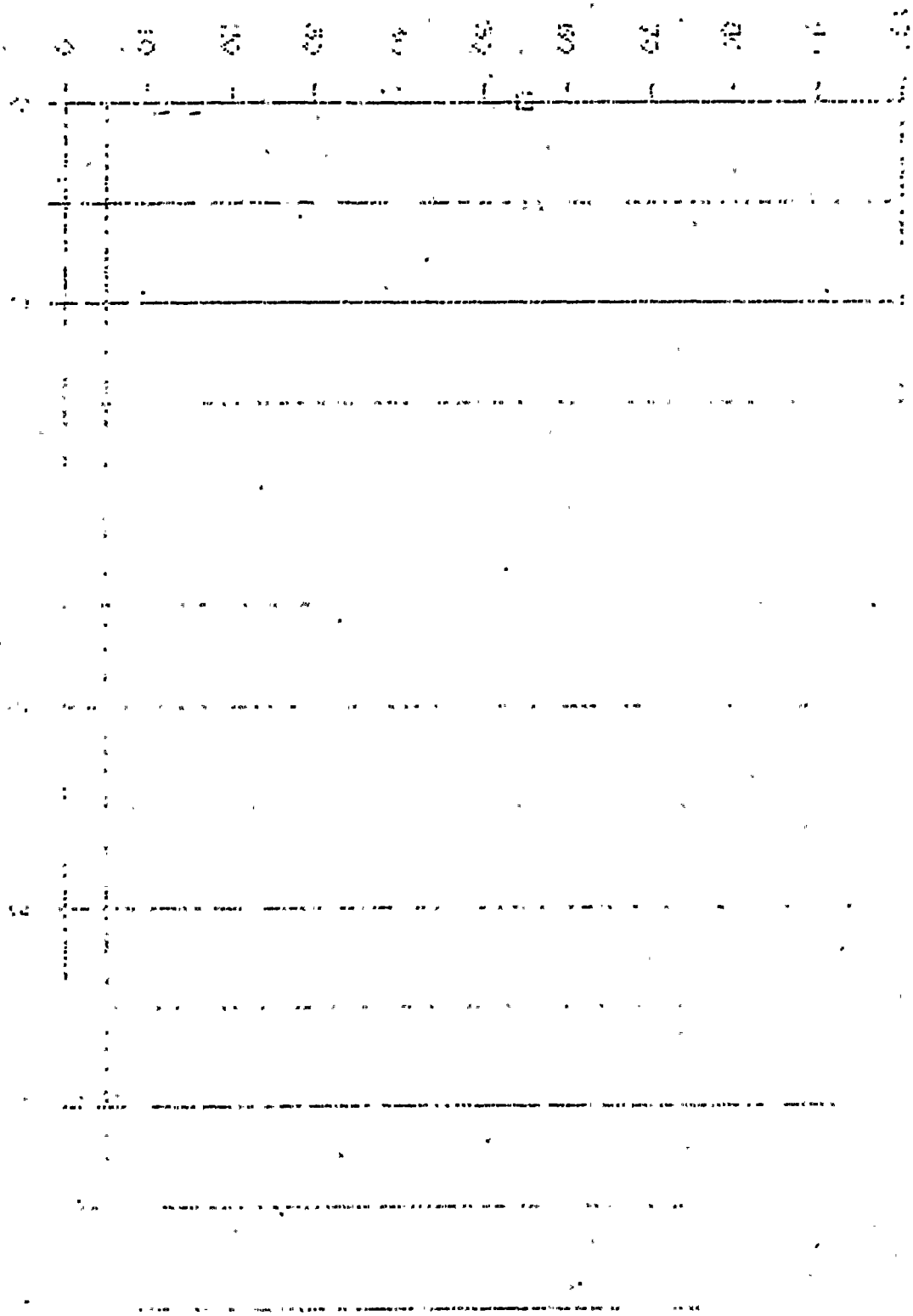

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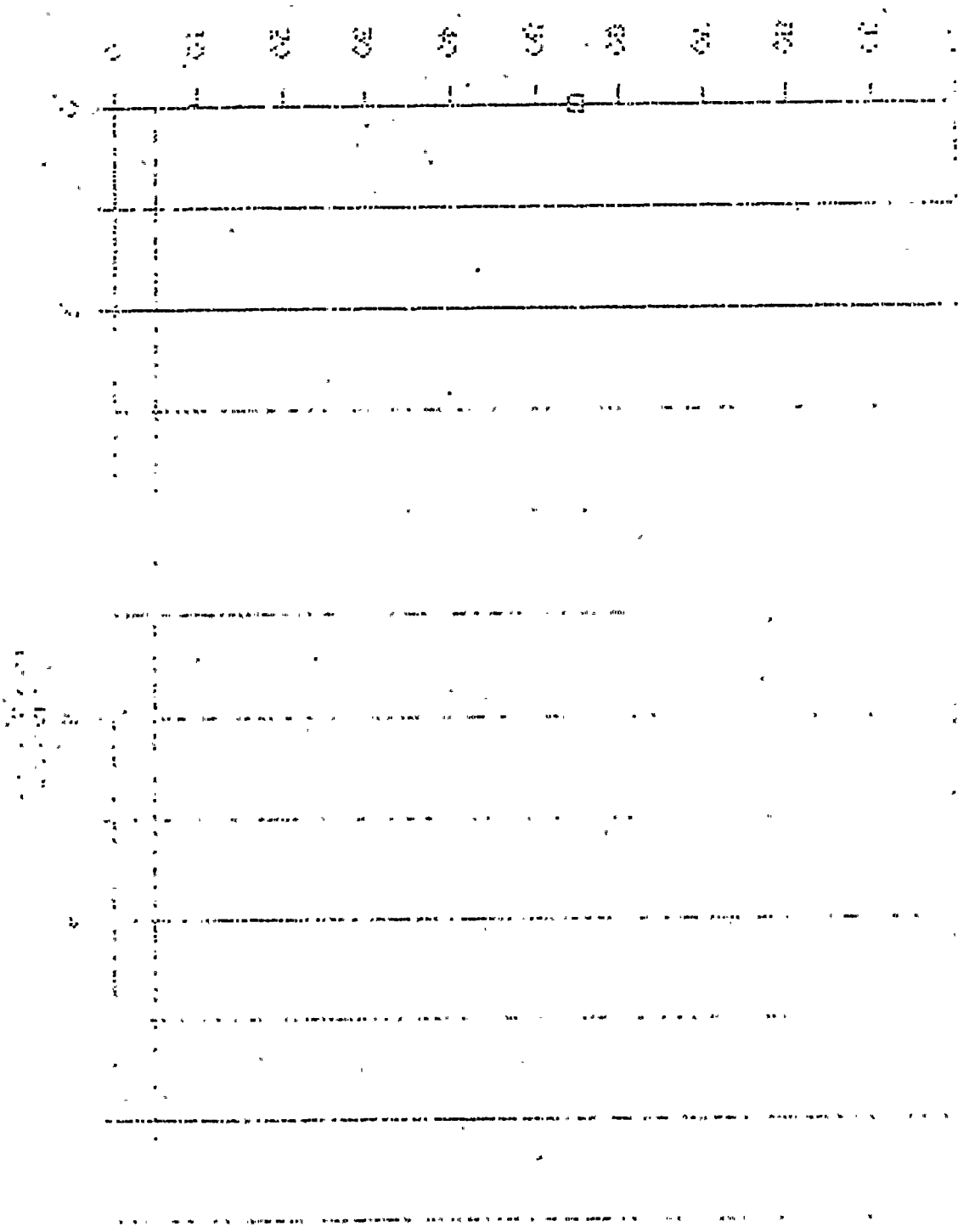

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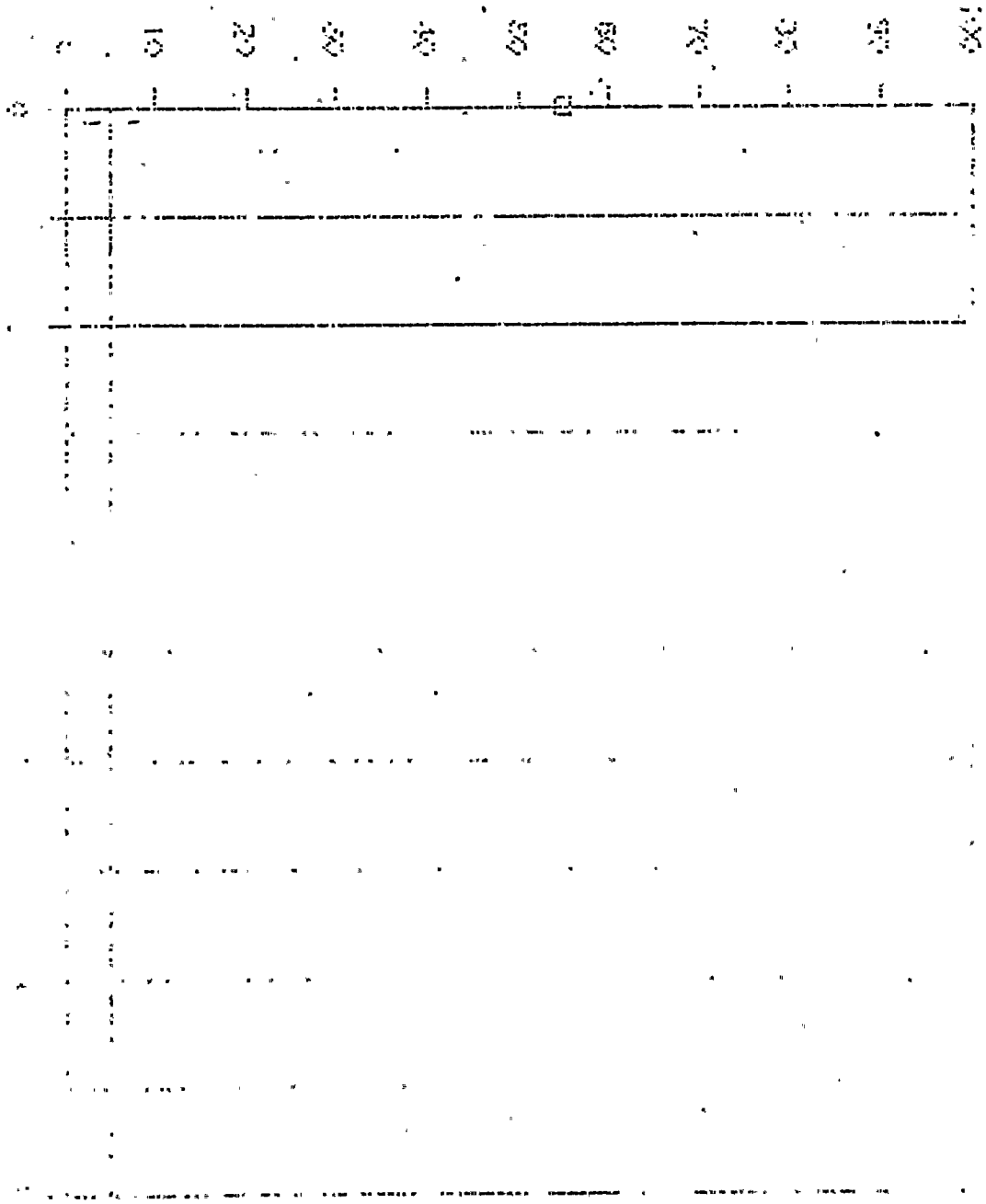

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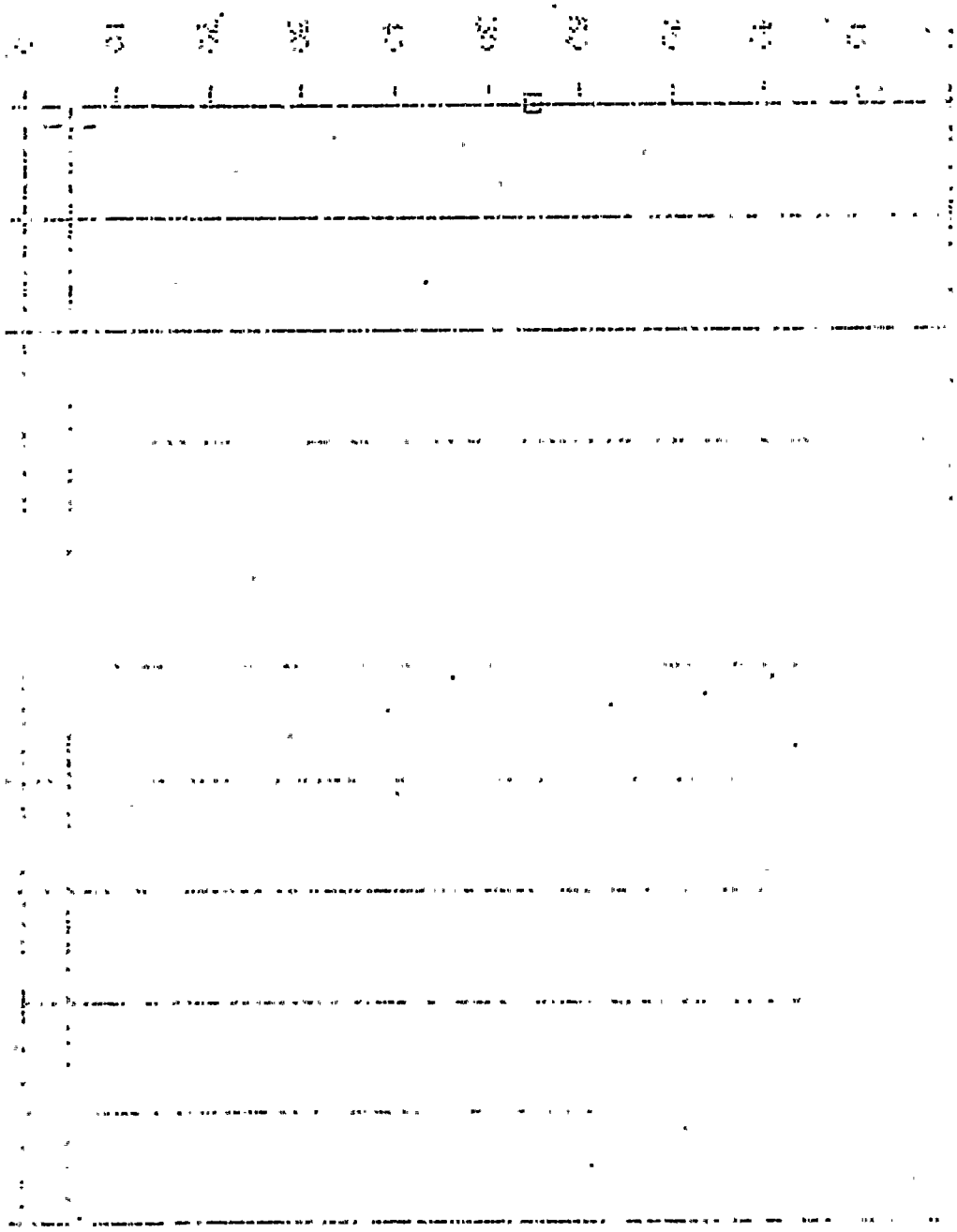

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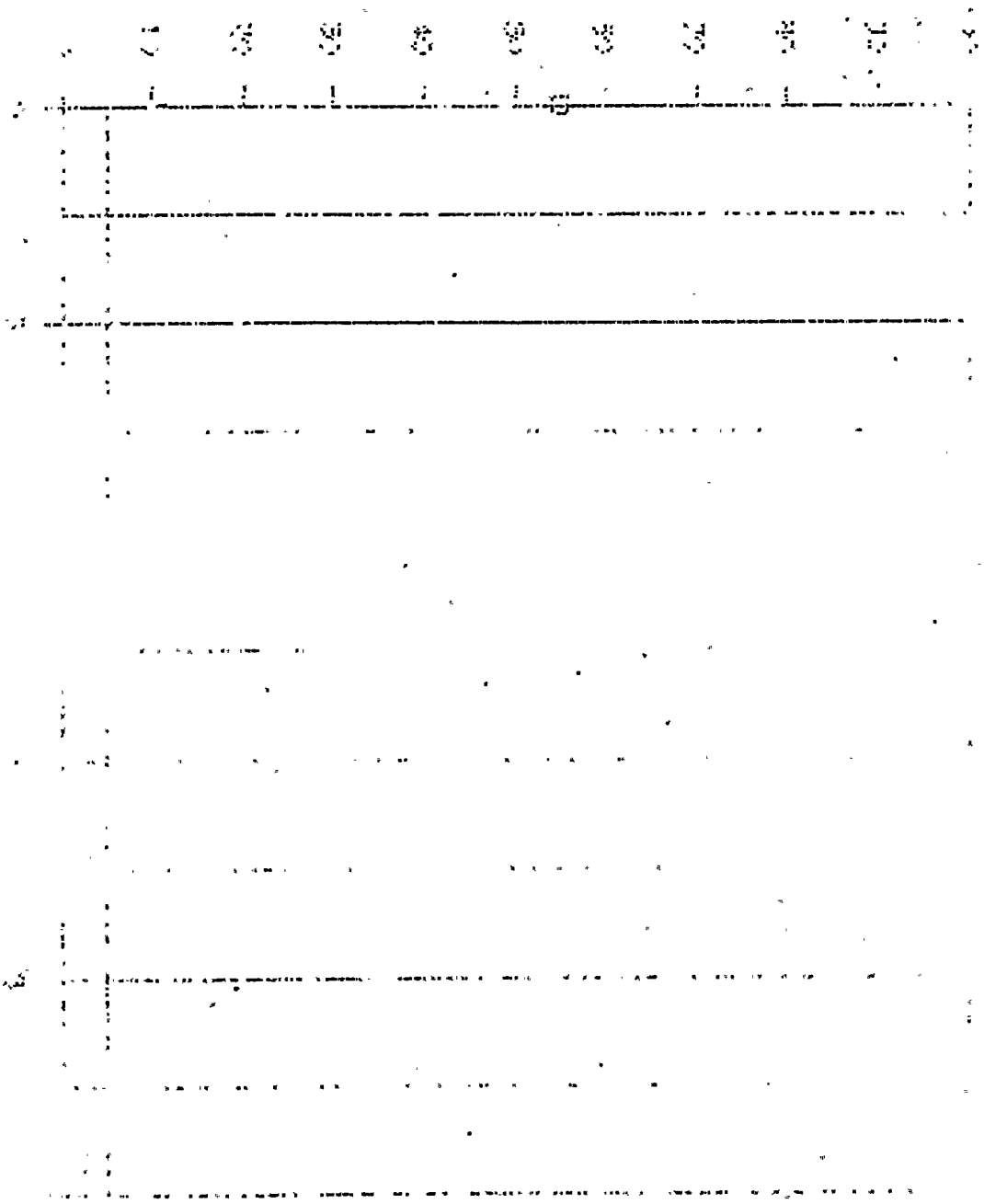
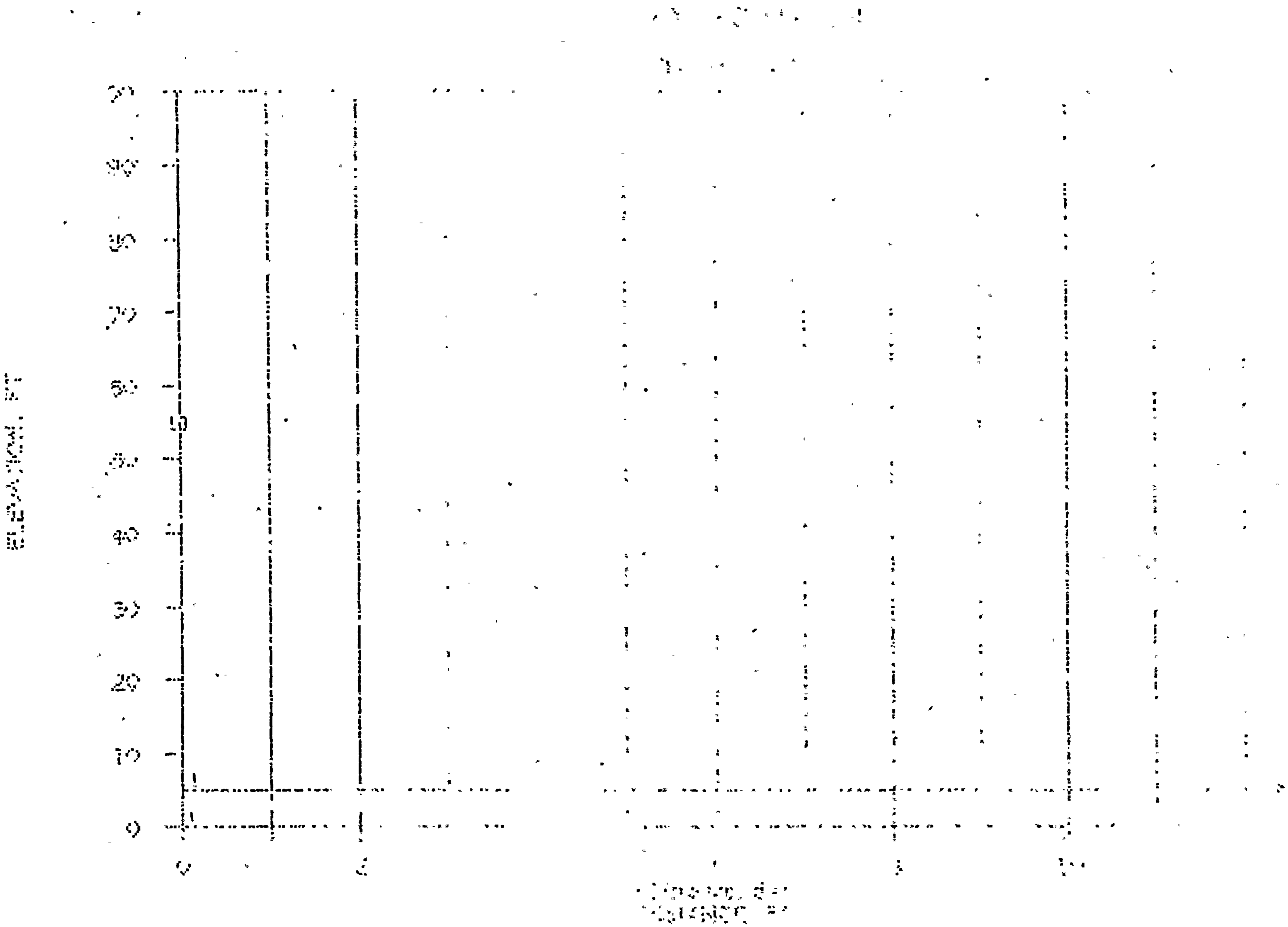
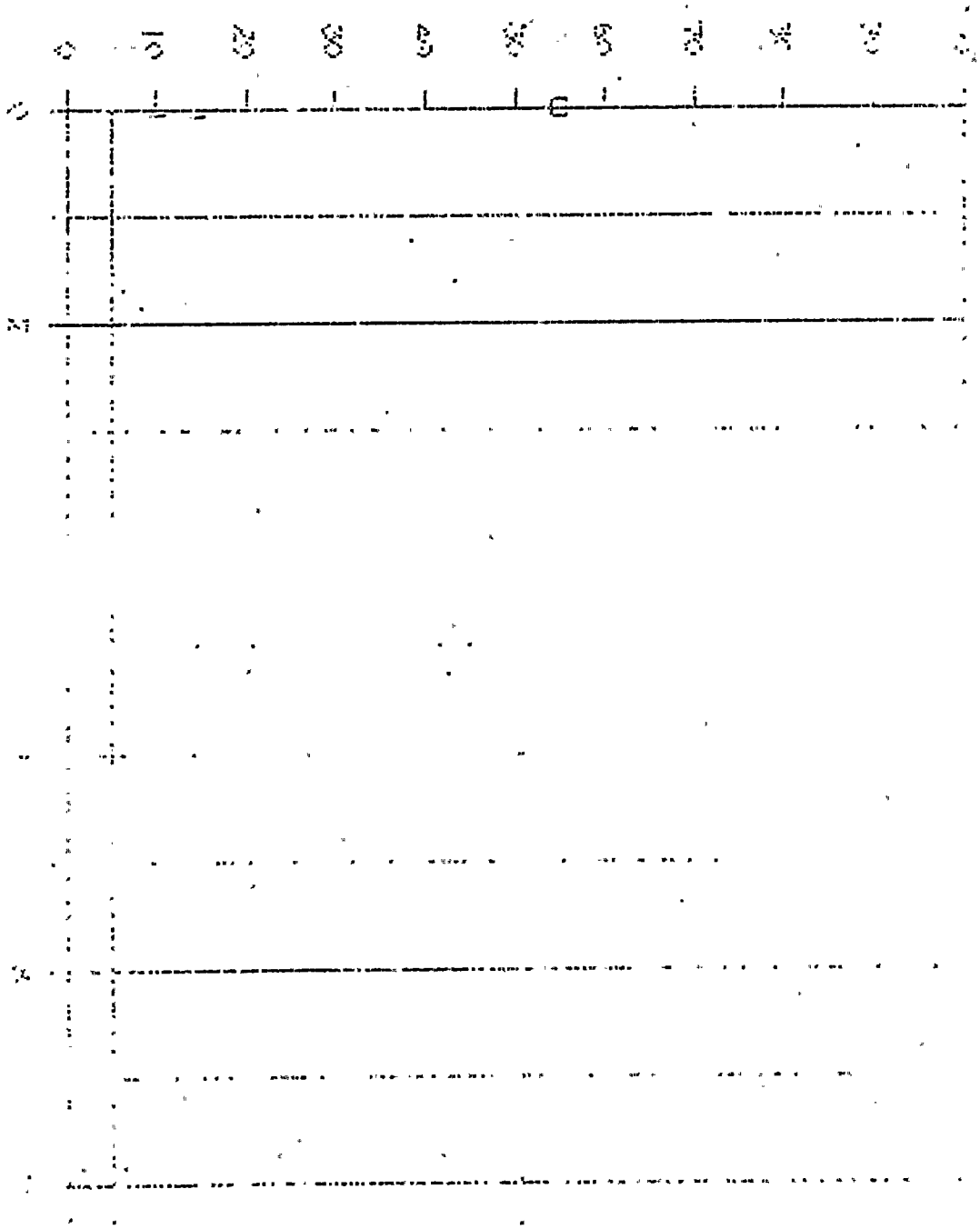
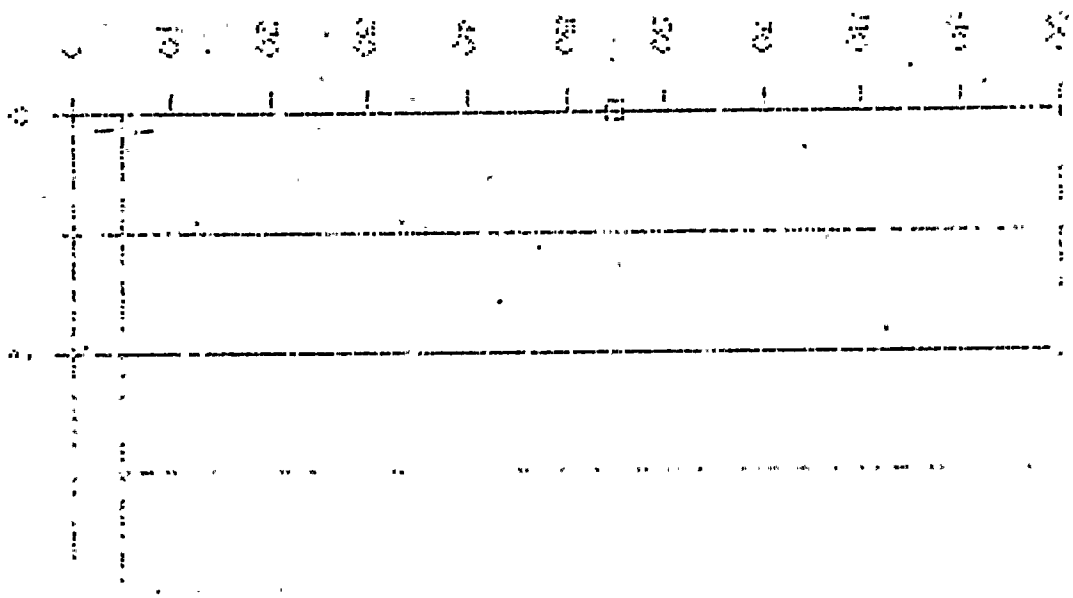


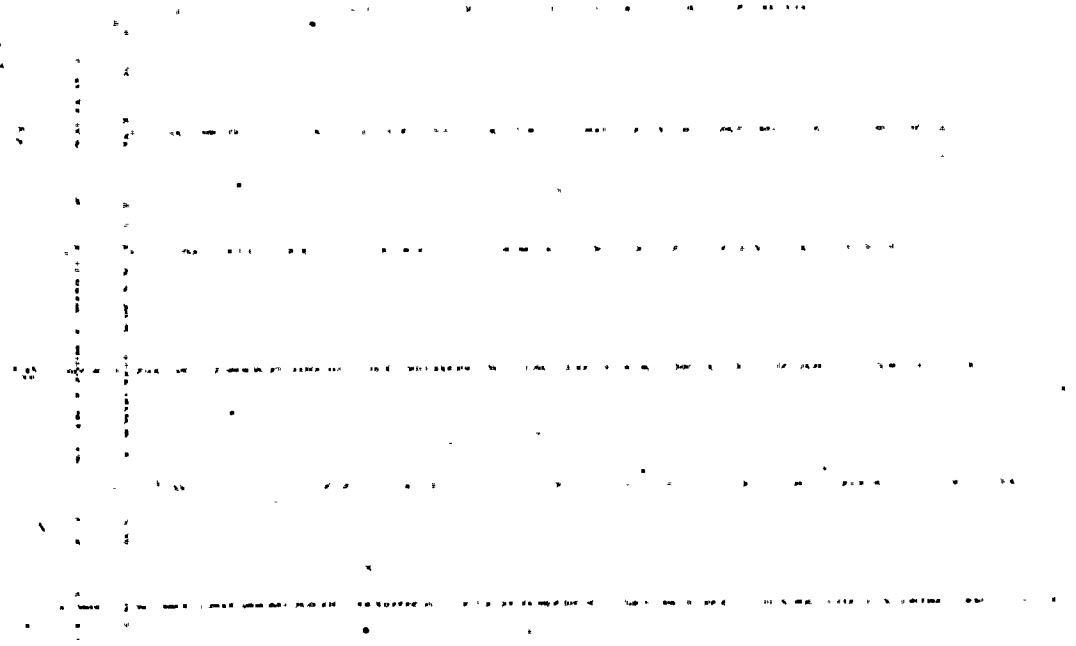

ELEVATION, FT
100
90
80
70
60
50
40
30
20
10
0
0
2
10

ELEVATION, FT.

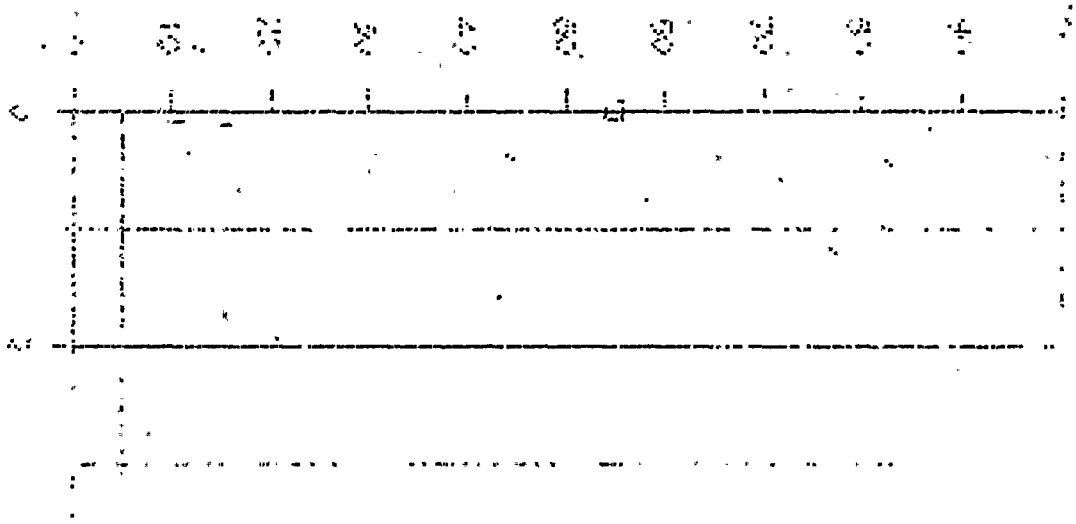


ELEVATION FT.





ELEVATION, FT.



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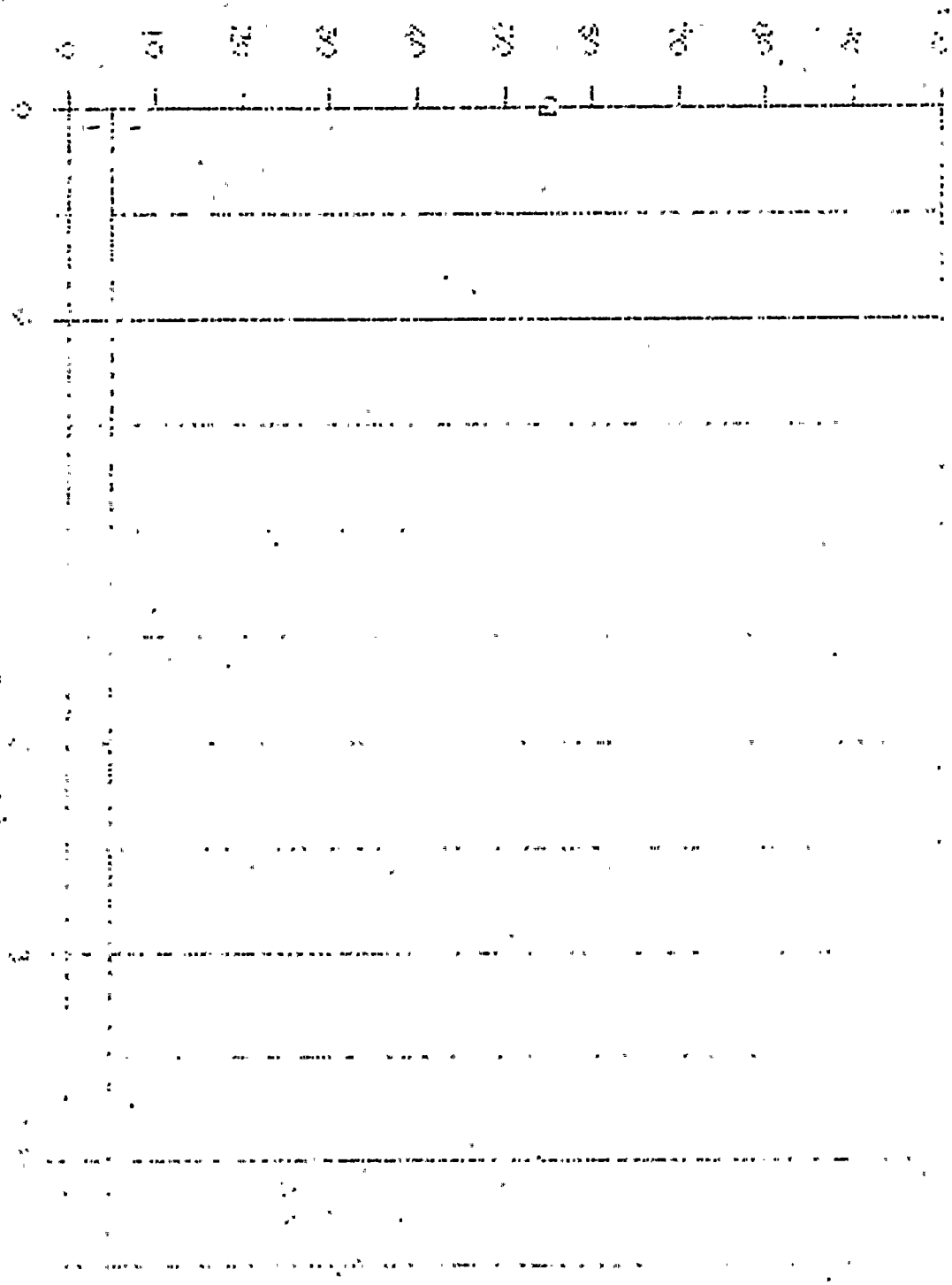
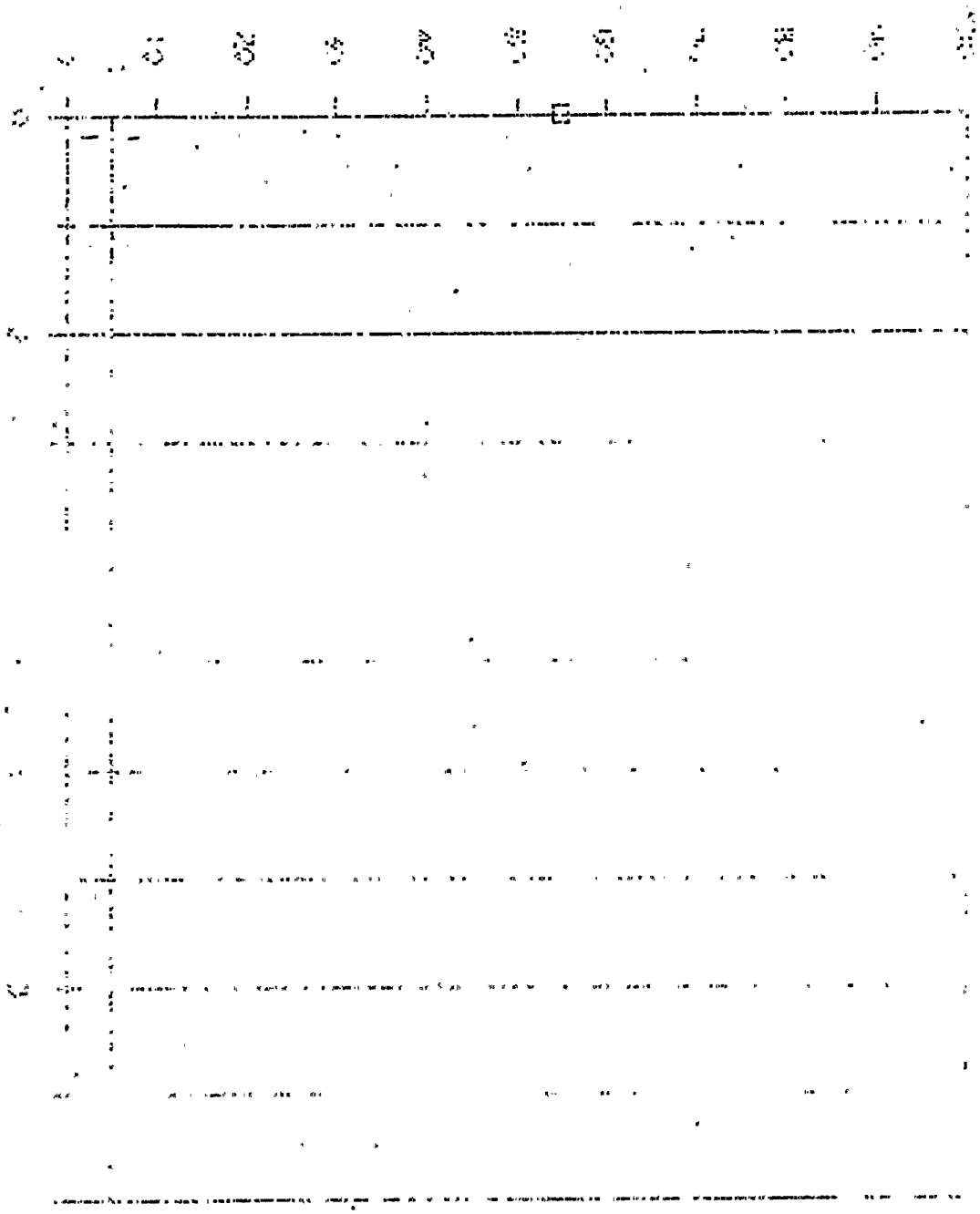
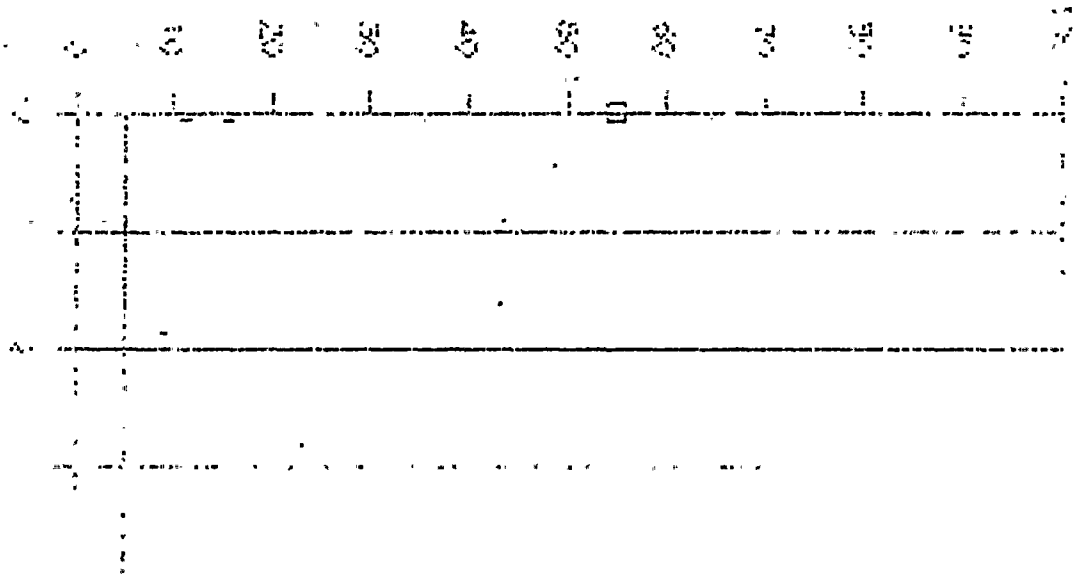


0
10
20
30
40
50
60
70
80
90

ELEVATION, FT



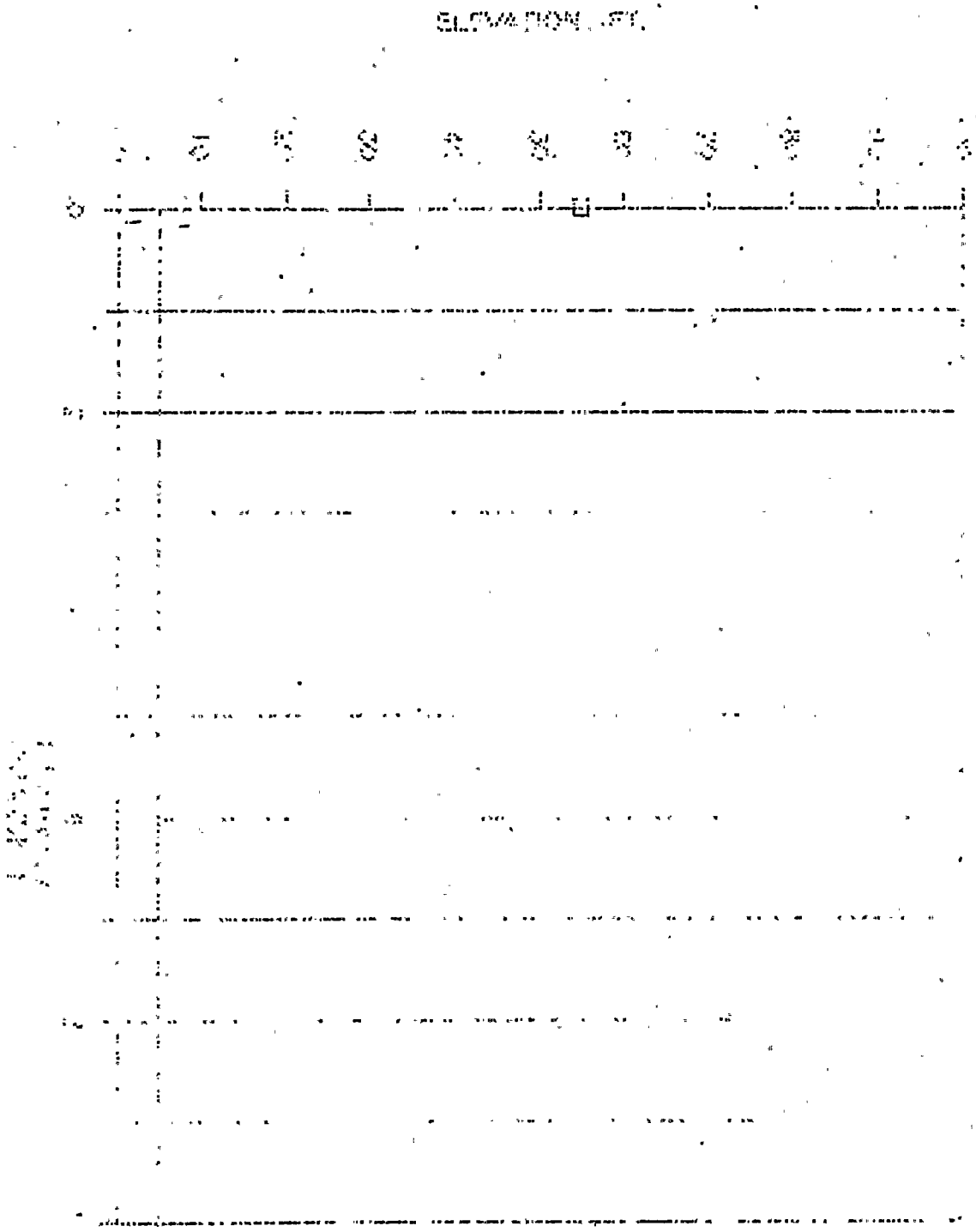
ELEVATION, FT.



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN E19-RE3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

SRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTIO
1	500.	90.00	5.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	5.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	5.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	5.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	5.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	5.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	5.00	SOFT	0.	NO	0.	0.
8	500.	67.50	5.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	5.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	5.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	5.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	5.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	5.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	5.00	SOFT	0.	NO	0.	0.
15	500.	45.00	5.00	SOFT	0.	NO	0.	0.
16	1000.	45.00	5.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	5.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	5.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	5.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	5.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	5.00	SOFT	0.	NO	0.	0.
22	500.	22.50	5.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	5.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	5.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	5.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	5.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	5.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	5.00	SOFT	0.	NO	0.	0.
29	500.	.00	5.00	SOFT	0.	NO	0.	0.
30	1000.	.00	5.00	SOFT	0.	NO	0.	0.
31	2000.	.00	5.00	SOFT	0.	NO	0.	0.
32	4000.	.00	5.00	SOFT	0.	NO	0.	0.
33	6000.	.00	5.00	SOFT	0.	NO	0.	0.
34	8000.	.00	5.00	SOFT	0.	NO	0.	0.
35	12000.	.00	5.00	SOFT	0.	NO	0.	0.
36	500.	337.50	5.00	SOFT	0.	NO	0.	0.


ELEVATION (FT)

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	5.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	5.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	5.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	5.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	5.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	5.00	SOFT	0.	NO	0.	0.
43	500.	315.00	5.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	5.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	5.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	5.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	5.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	5.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	5.00	SOFT	0.	NO	0.	0.
50	500.	292.50	5.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	5.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	5.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	5.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	5.00	SOFT	0.	NO	0.	0.
[illegible]	8000.	292.50	5.00	SOFT	0.	NO	0.	0.
[illegible]	12000.	292.50	5.00	SOFT	0.	NO	0.	0.
[illegible]	500.	270.00	5.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	5.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	5.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	5.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	5.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	5.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	5.00	SOFT	0.	NO	0.	0.
64	500.	247.50	5.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	5.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	5.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	5.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	5.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	5.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	5.00	SOFT	0.	NO	0.	0.
71	500.	225.00	5.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	5.00	SOFT	0.	NO	0.	0.

RF1 POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	5.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	5.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	5.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	5.00	SOFT	0.	NO	0.	0.
[illegible]	12000.	225.00	5.00	SOFT	0.	NO	0.	0.
78	500.	202.50	5.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	5.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	5.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	5.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	5.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	5.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	5.00	SOFT	0.	NO	0.	0.
85	500.	180.00	5.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	5.00	SOFT	0.	NO	0.	0.
87	2000.	180.00	5.00	SOFT	0.	NO	0.	0.
88	4000.	180.00	5.00	SOFT	0.	NO	0.	0.
89	6000.	180.00	5.00	SOFT	0.	NO	0.	0.
90	8000.	180.00	5.00	SOFT	0.	NO	0.	0.
91	12000.	180.00	5.00	SOFT	0.	NO	0.	0.
92	500.	157.50	5.00	SOFT	0.	NO	0.	0.
93	1000.	157.50	5.00	SOFT	0.	NO	0.	0.
94	2000.	157.50	5.00	SOFT	0.	NO	0.	0.
95	4000.	157.50	5.00	SOFT	0.	NO	0.	0.
96	6000.	157.50	5.00	SOFT	0.	NO	0.	0.
97	8000.	157.50	5.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	5.00	SOFT	0.	NO	0.	0.
99	500.	135.00	5.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	5.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	5.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	5.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	5.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	5.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	5.00	SOFT	0.	NO	0.	0.
106	500.	112.50	5.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	5.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	5.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	5.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	5.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	5.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	5.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #19-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 5.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #19-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.00 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

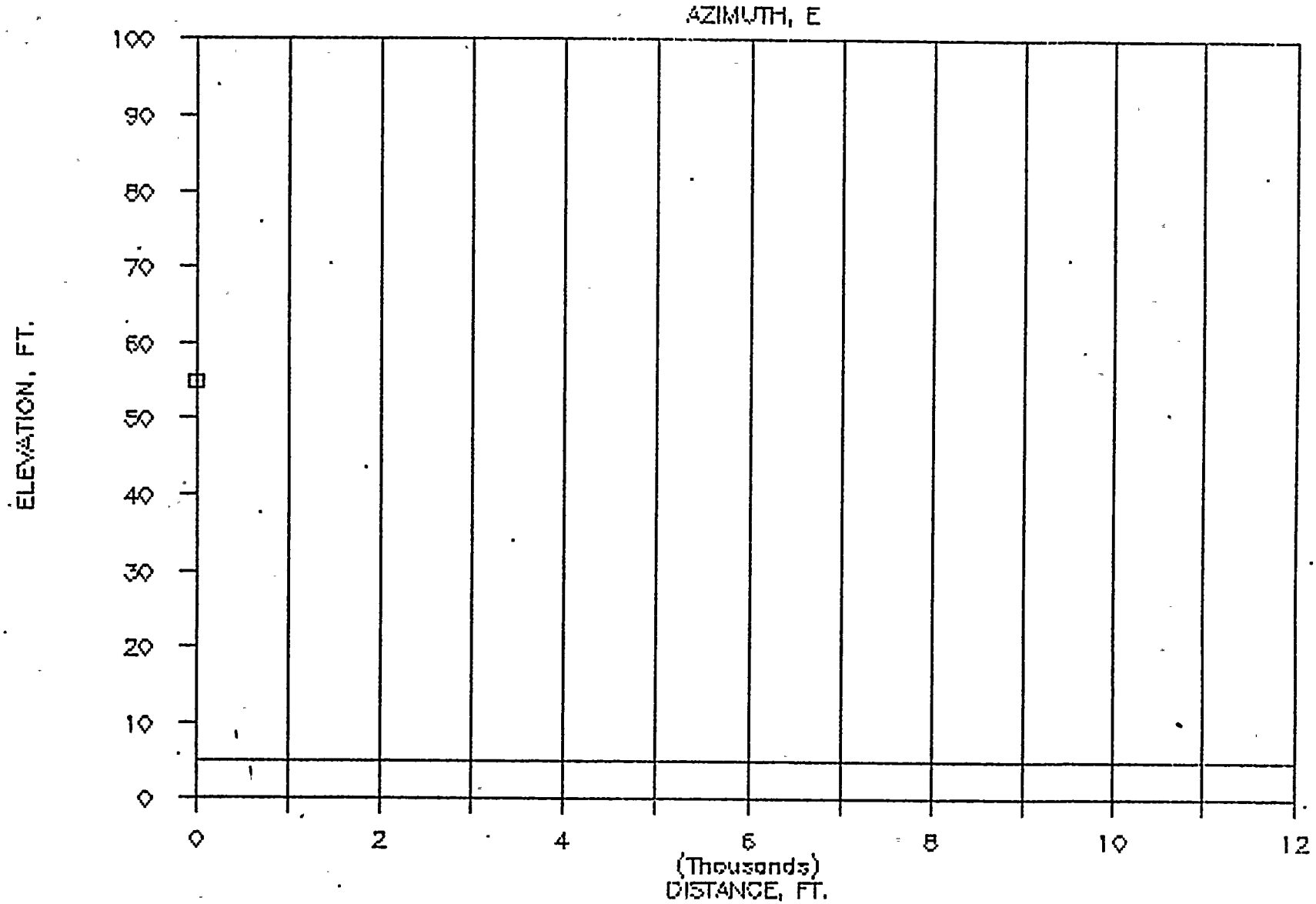
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #19-WS3000

SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

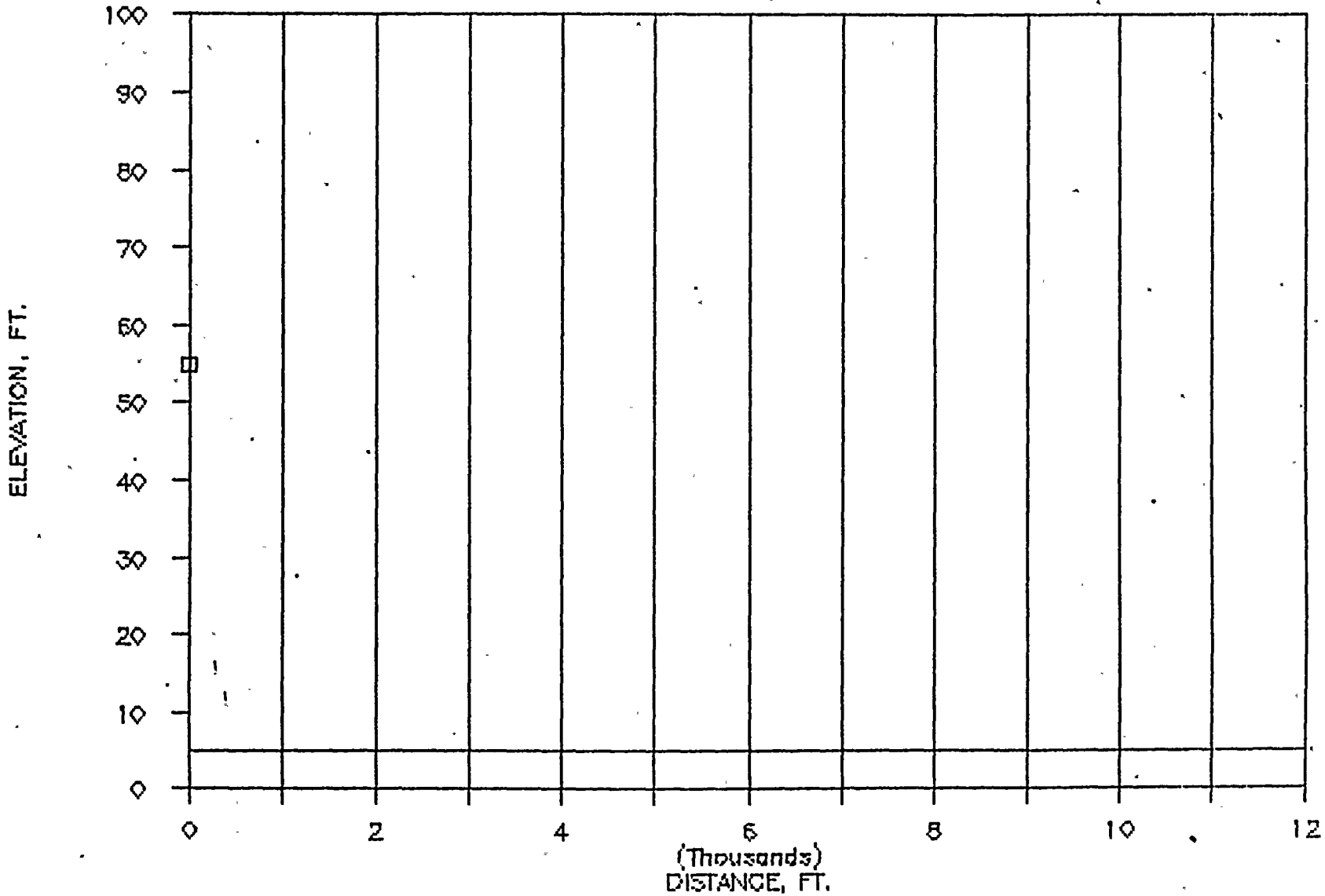
AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	92.	70.	45.	40.	36.	29.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	91.	69.	45.	40.	36.	29.

TURKEY POINT 20



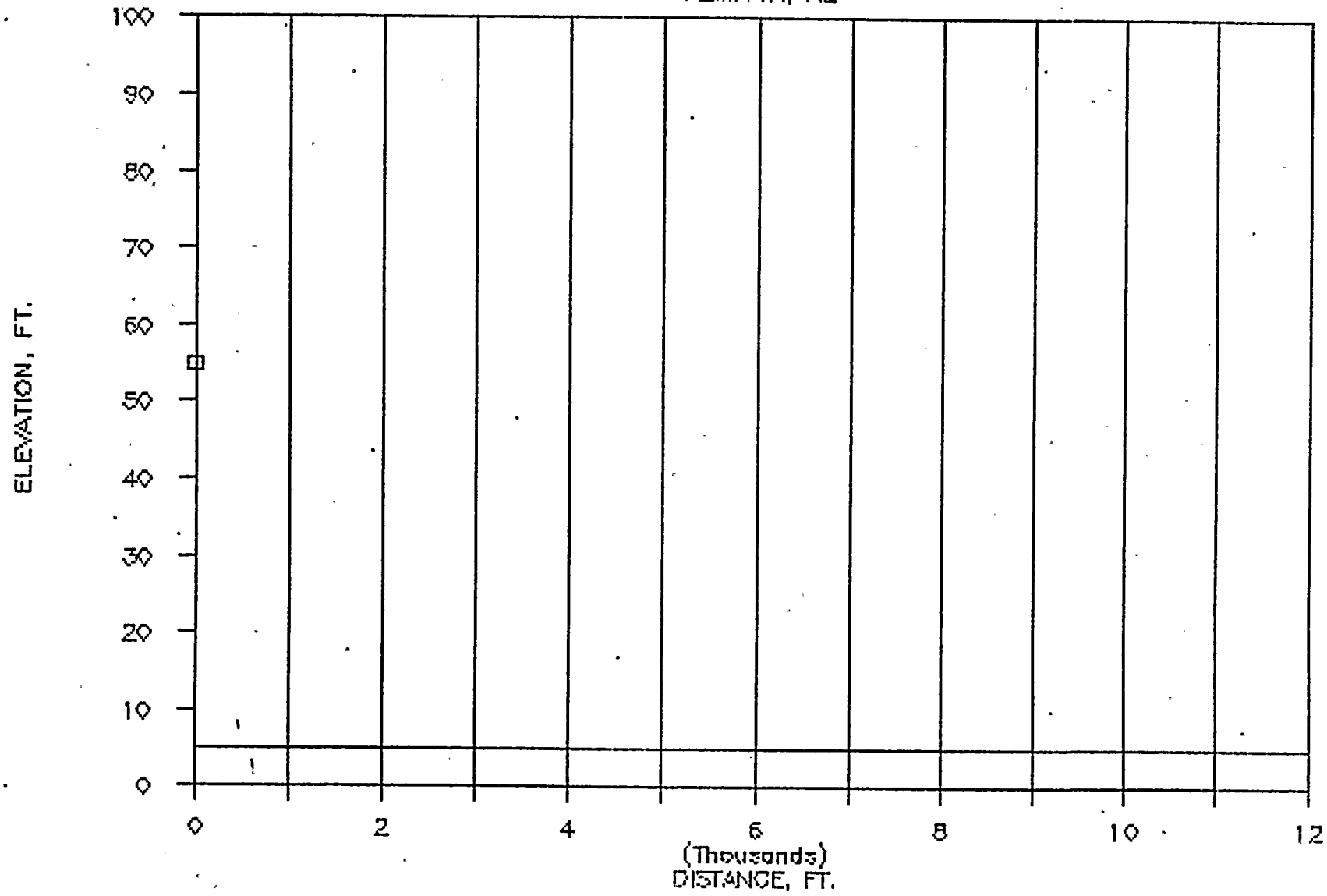
TURKEY POINT 20

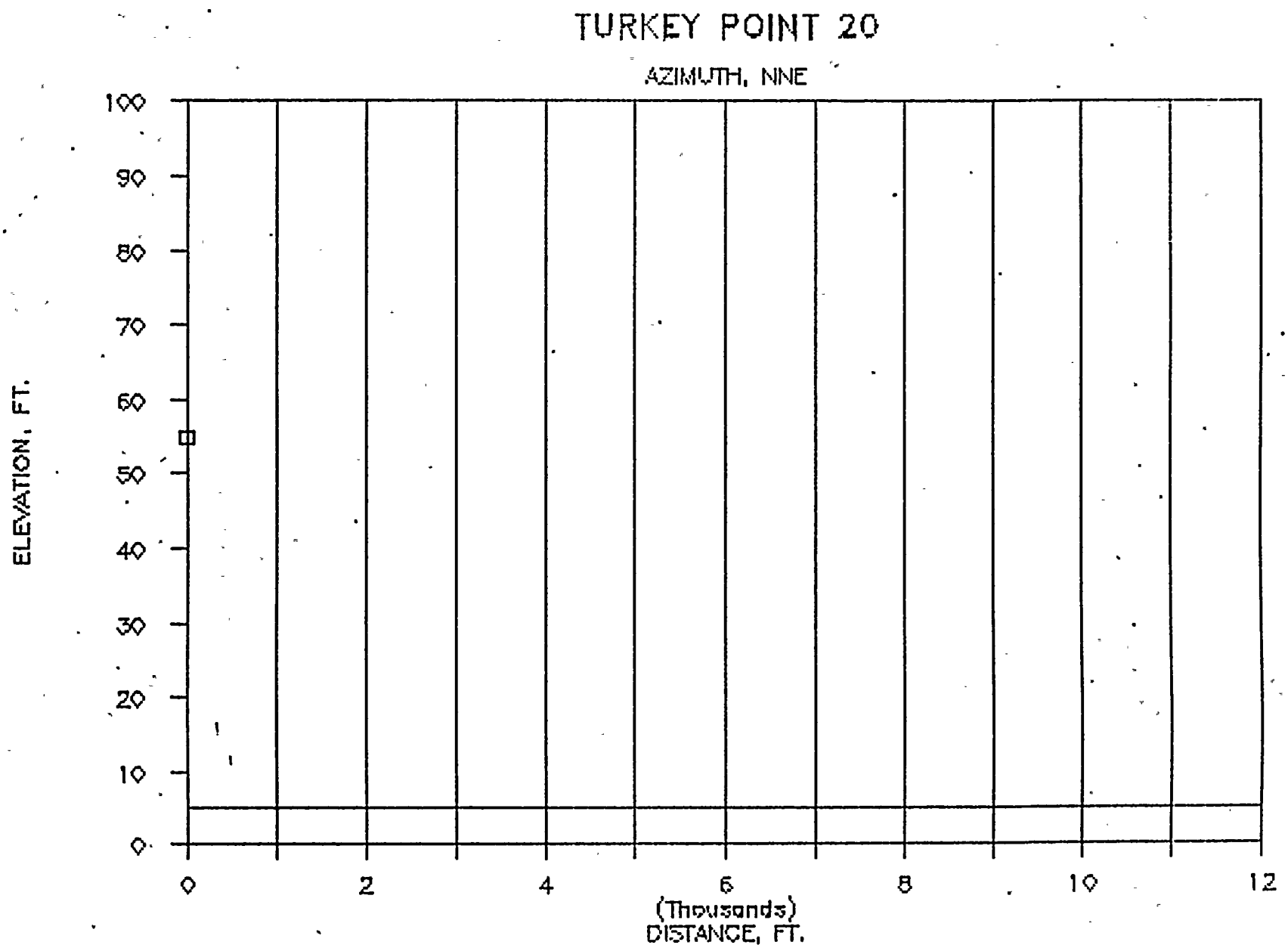
AZIMUTH, ENE



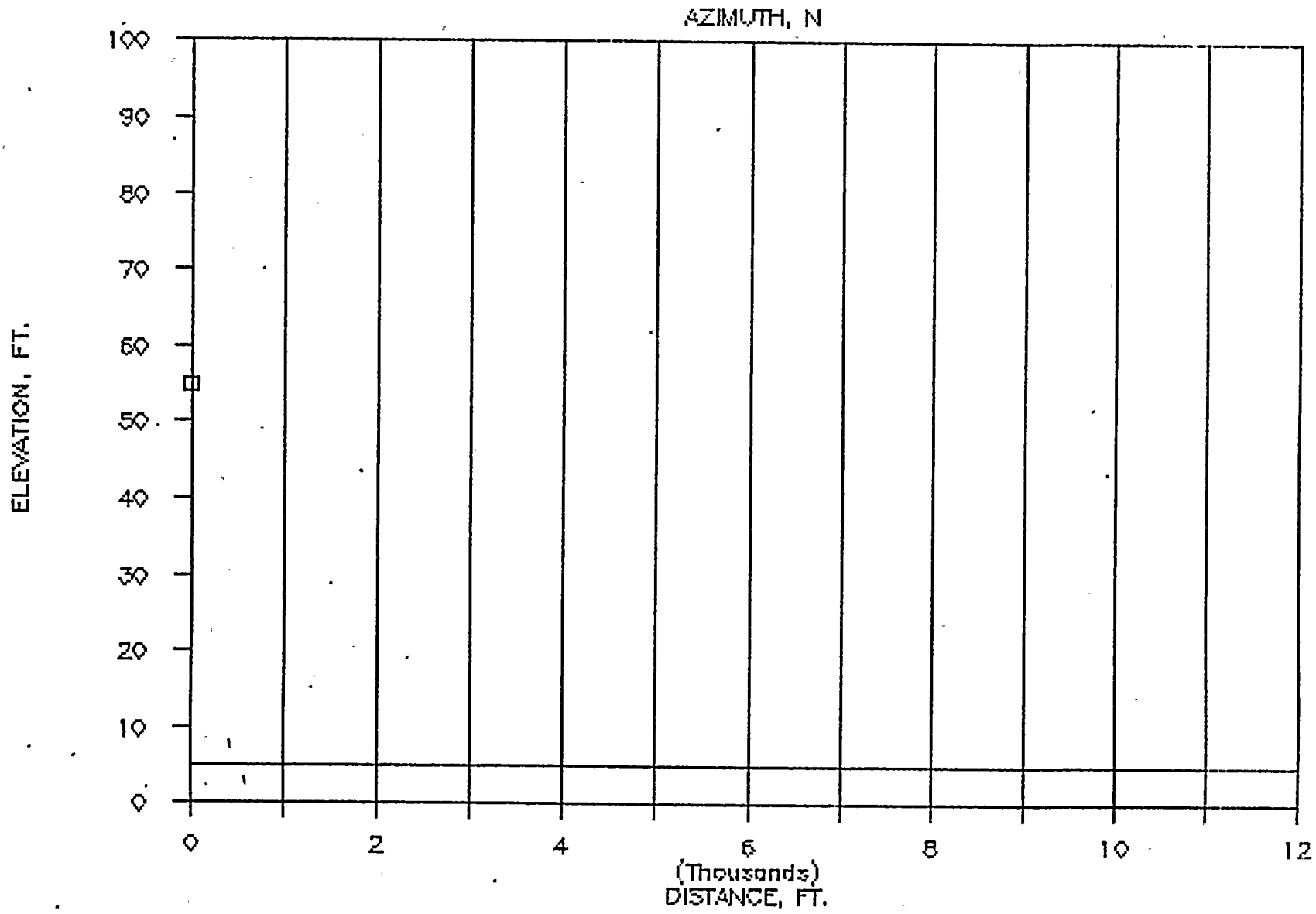
TURKEY POINT 20

AZIMUTH, NE



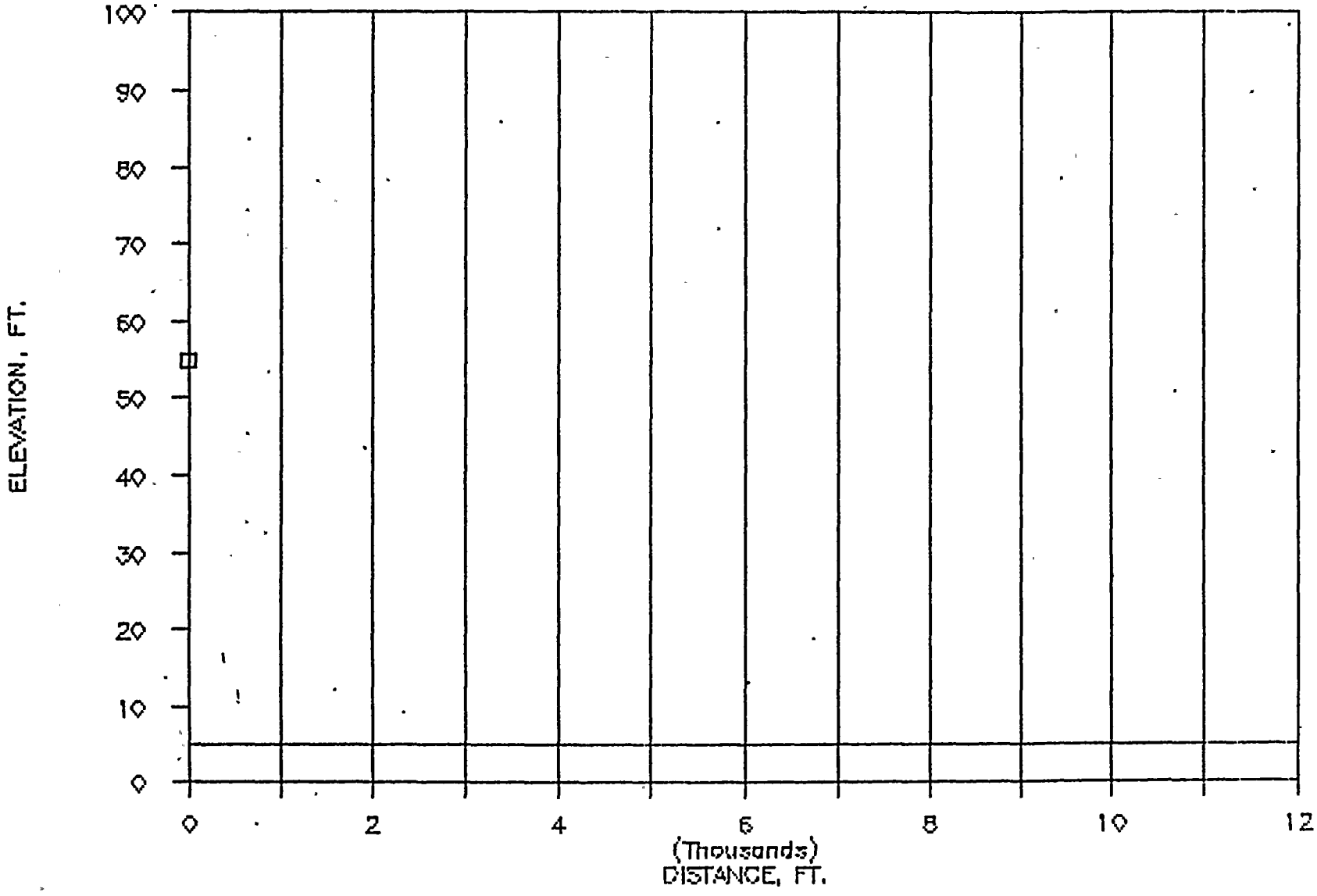

TURKEY POINT 20
AZIMUTH, NNE
ELEVATION, FT.
100
90
80
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
(Thousands)
DISTANCE, FT.

TURKEY POINT 20



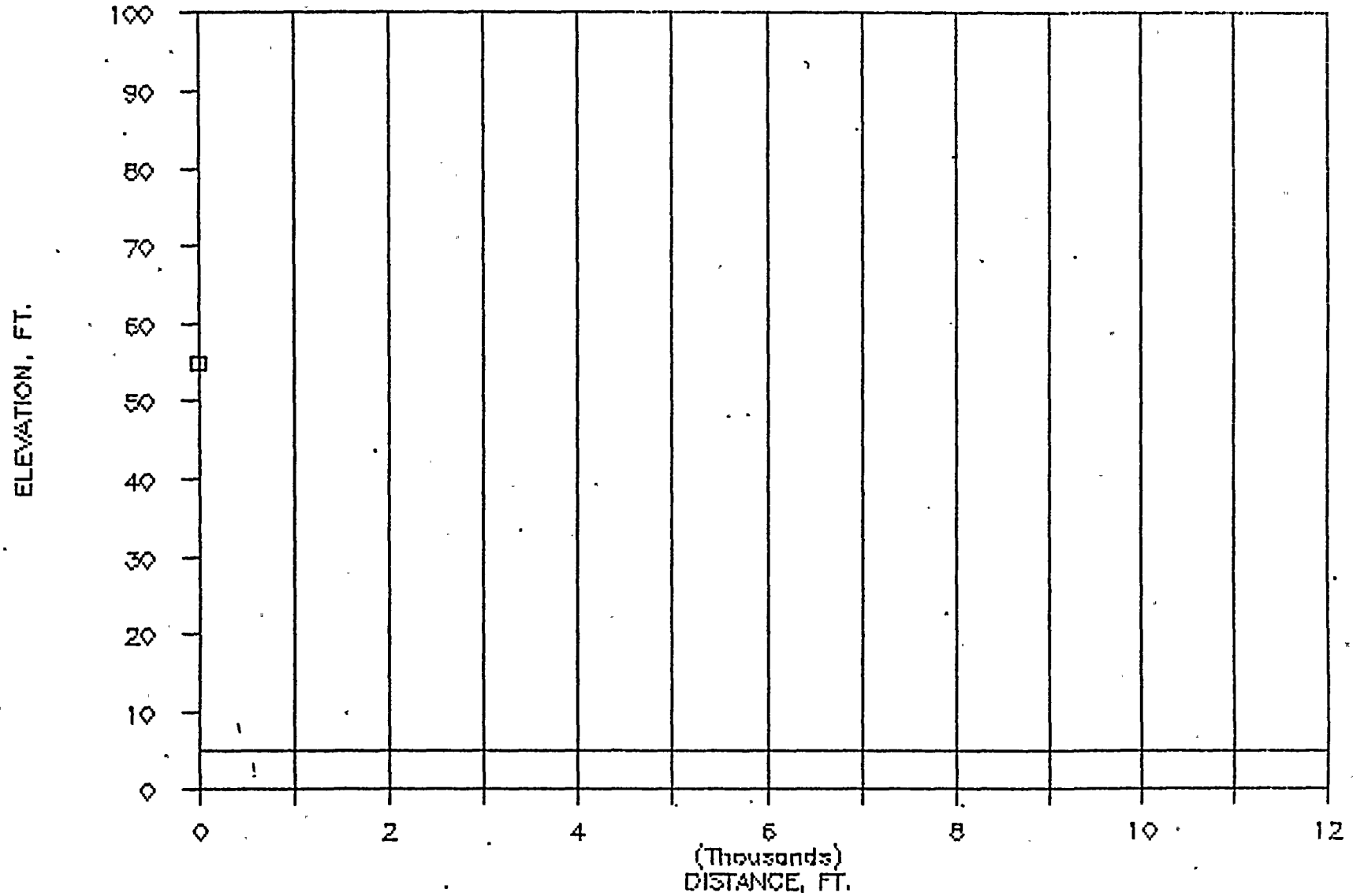
TURKEY POINT 20

AZIMUTH, NNW



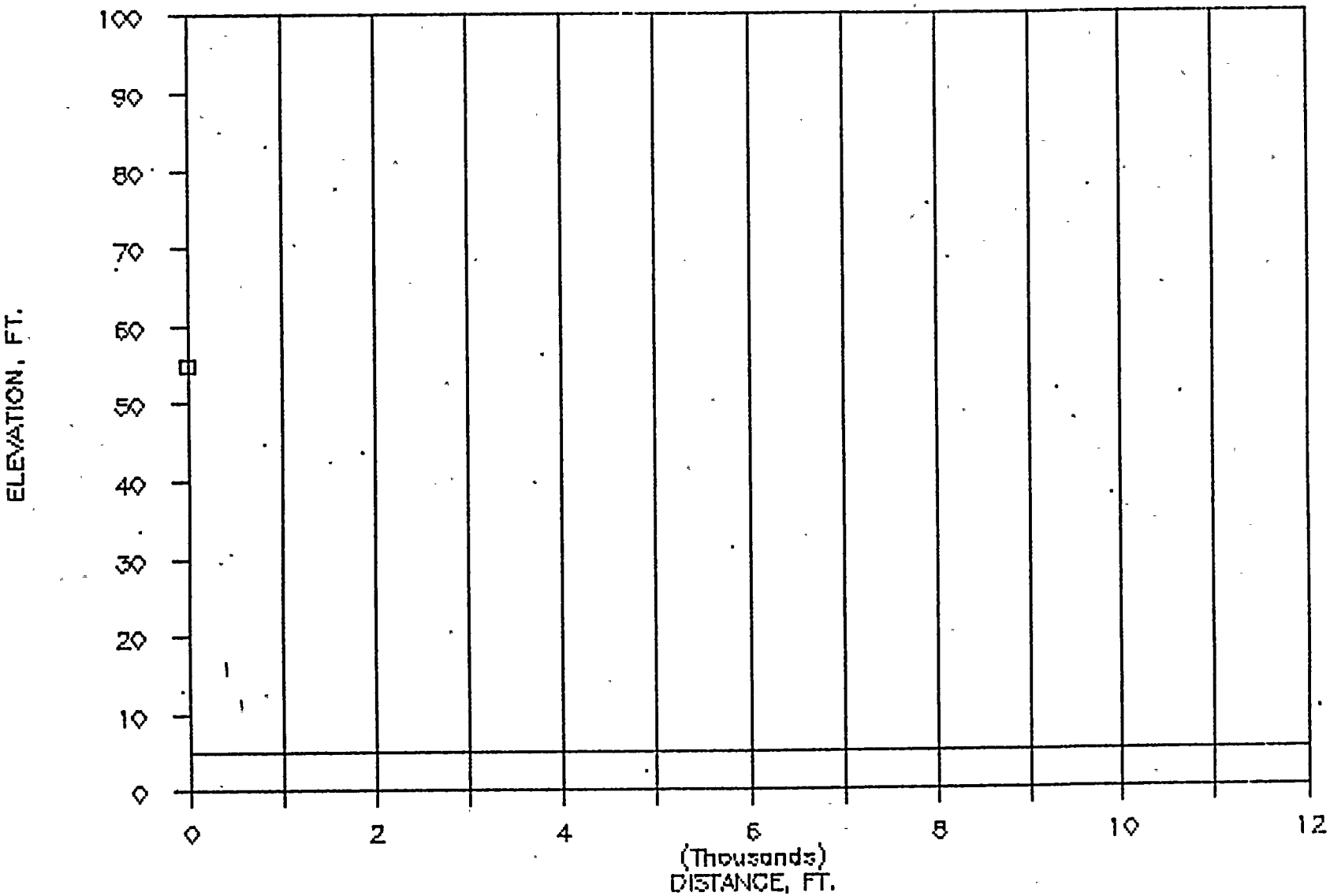
TURKEY POINT 20

AZIMUTH, NW



TURKEY POINT 20

AZIMUTH, WNW



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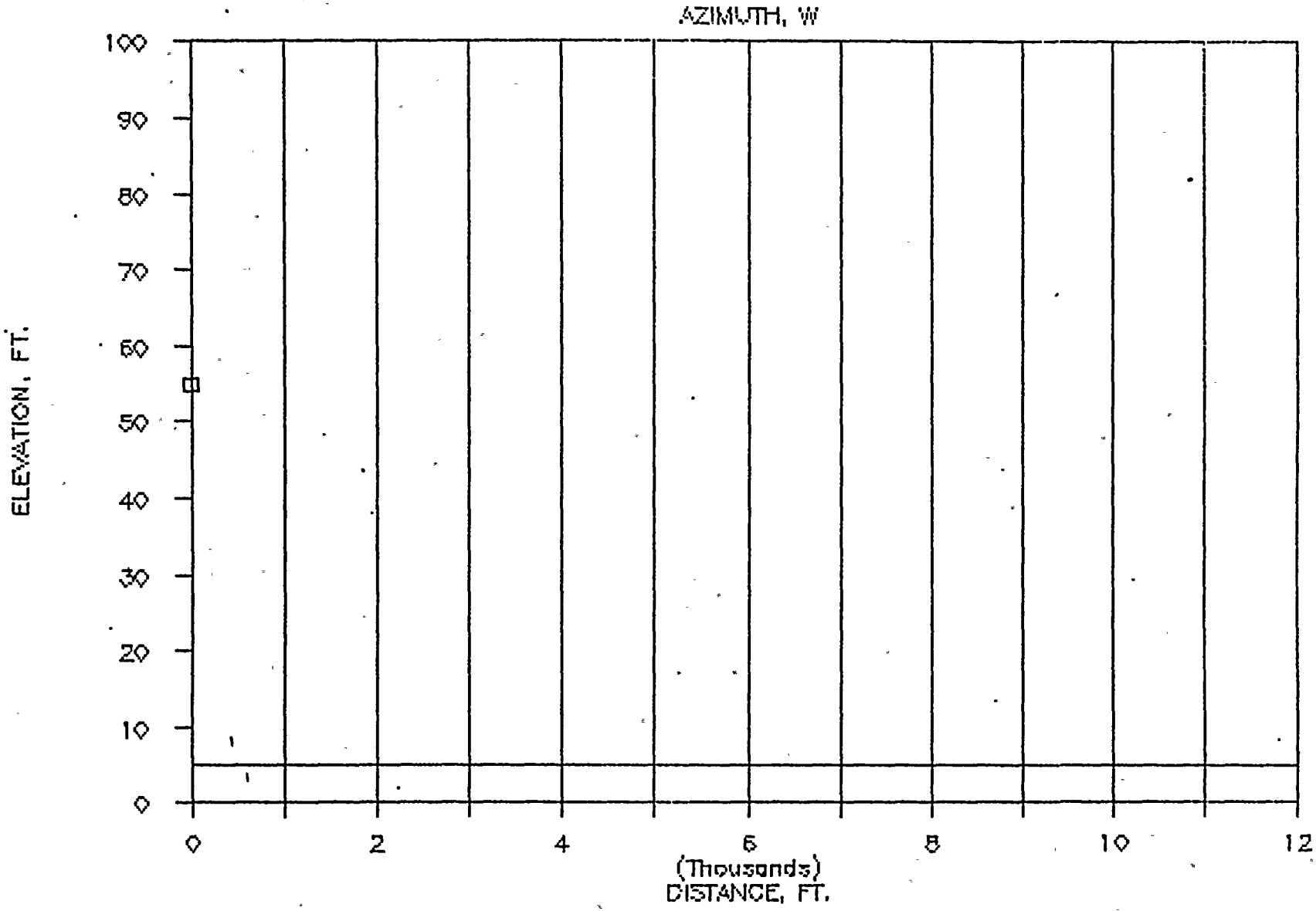
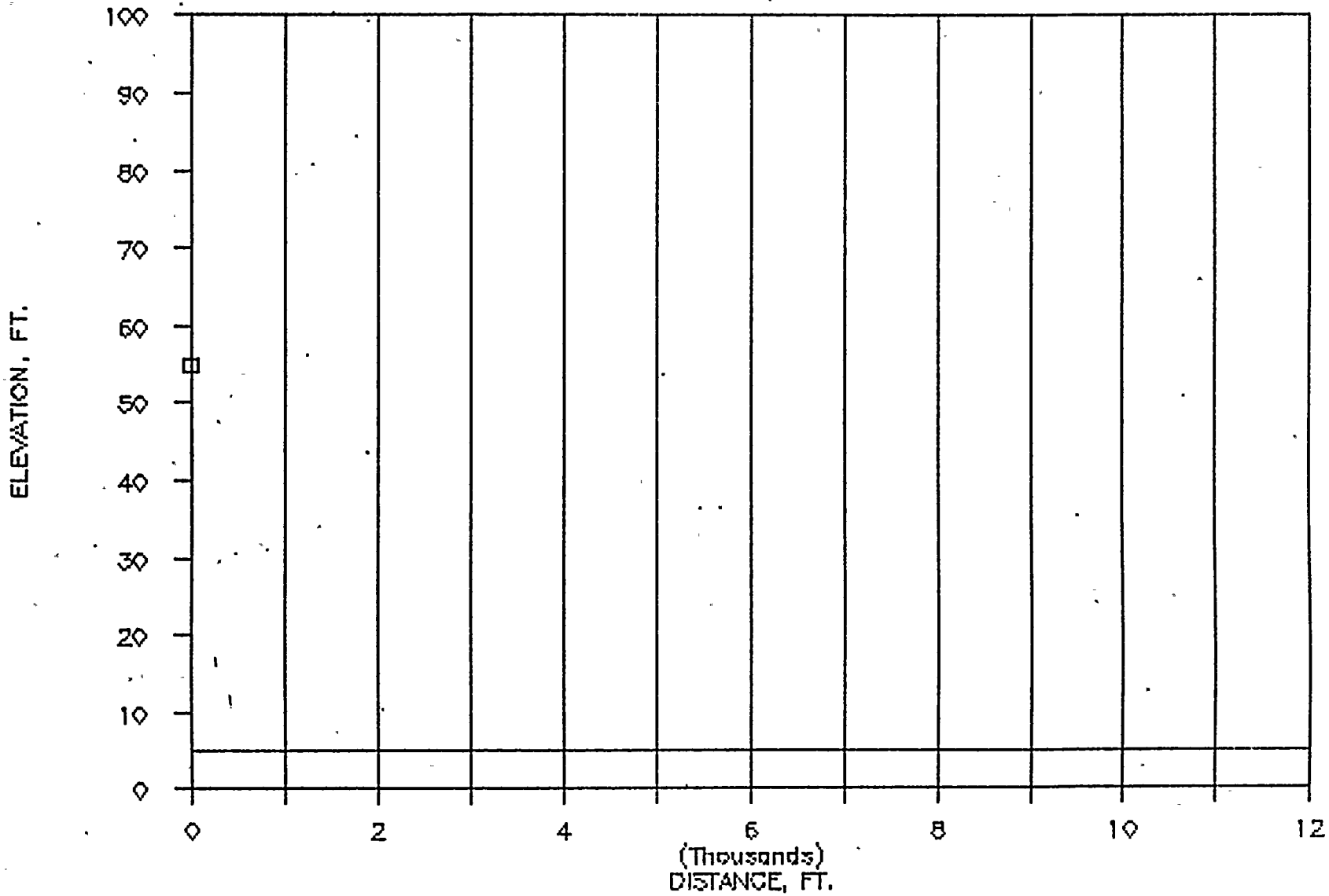


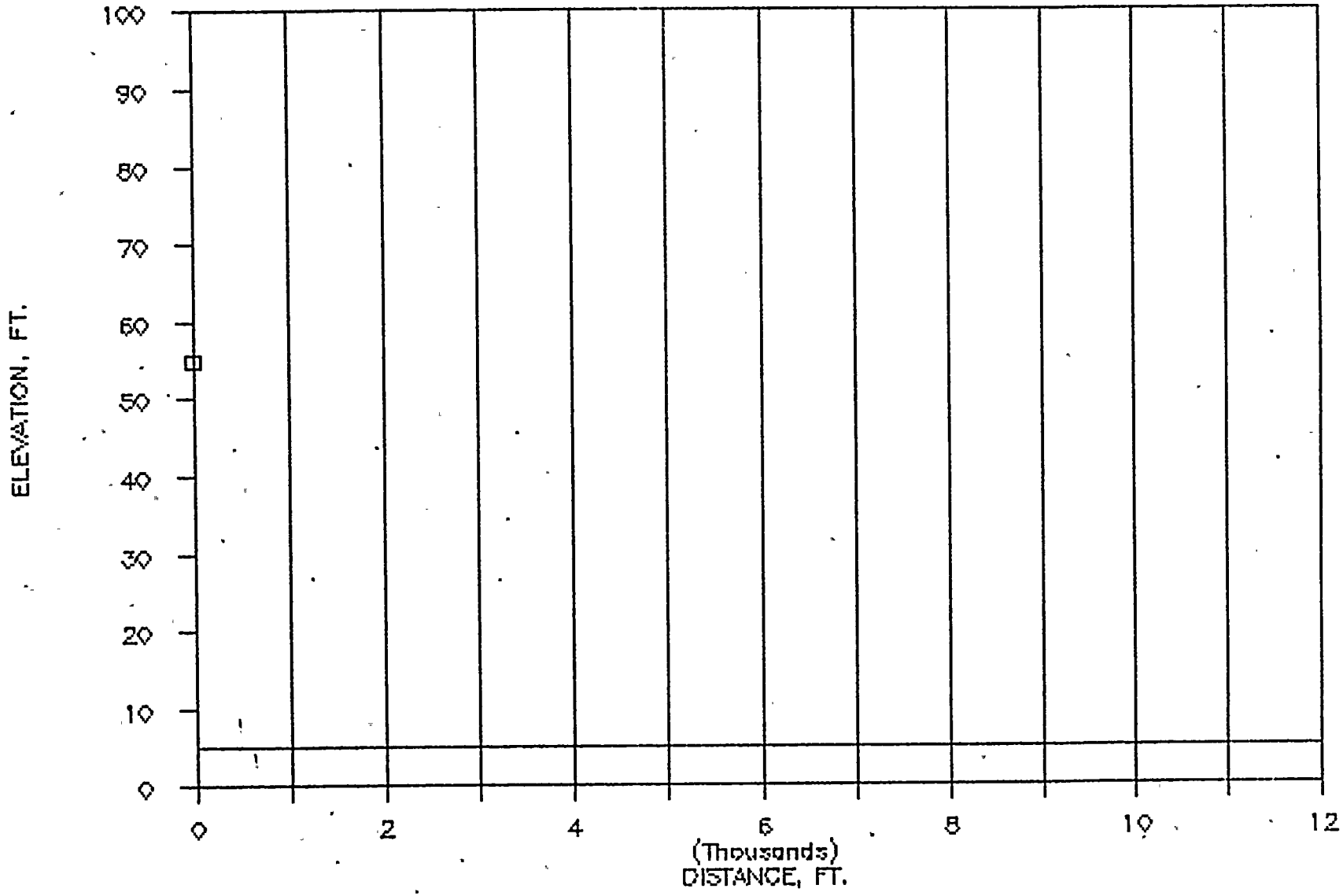
TURKEY POINT 20

AZIMUTH, WSW



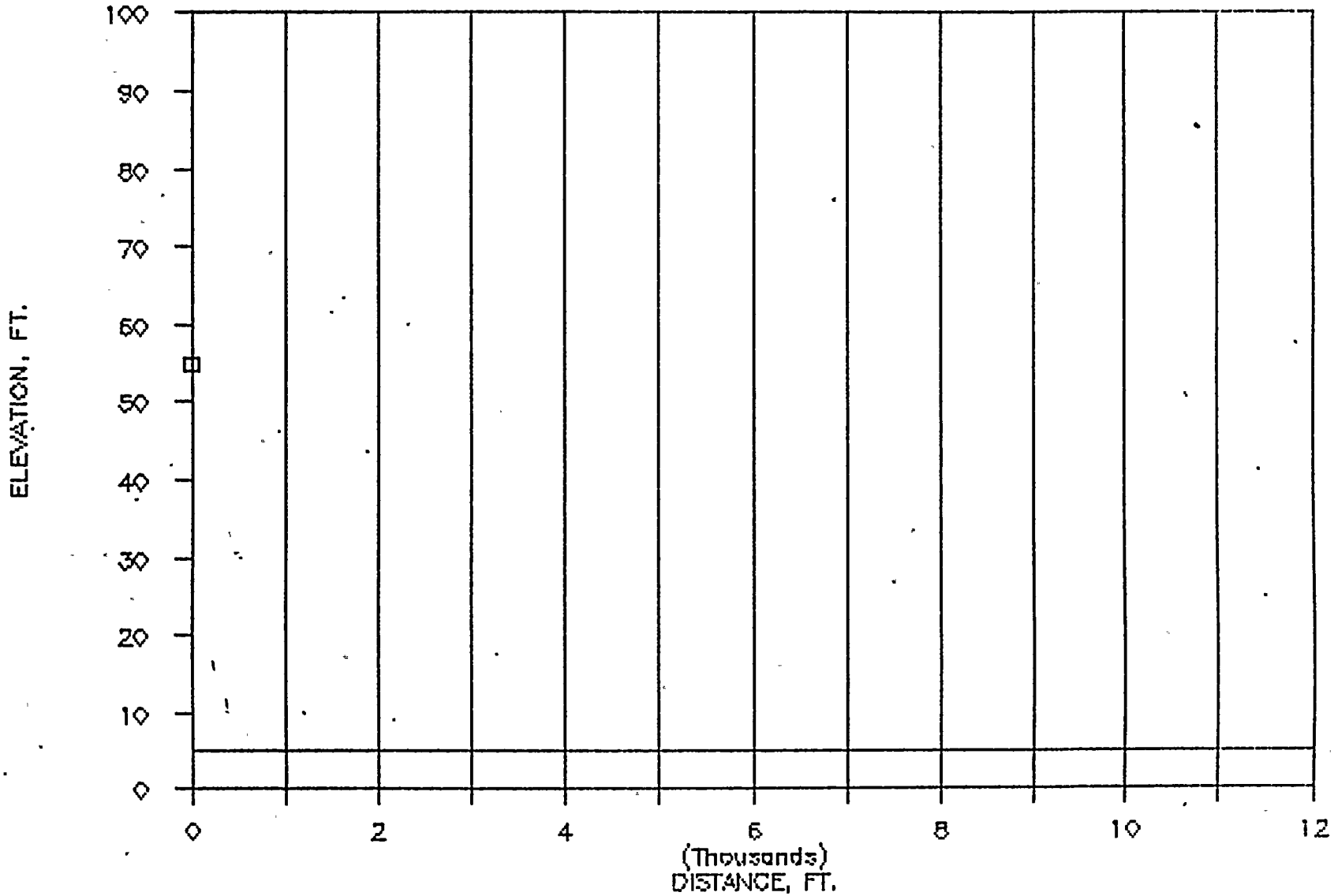
TURKEY POINT 20

AZIMUTH, SW



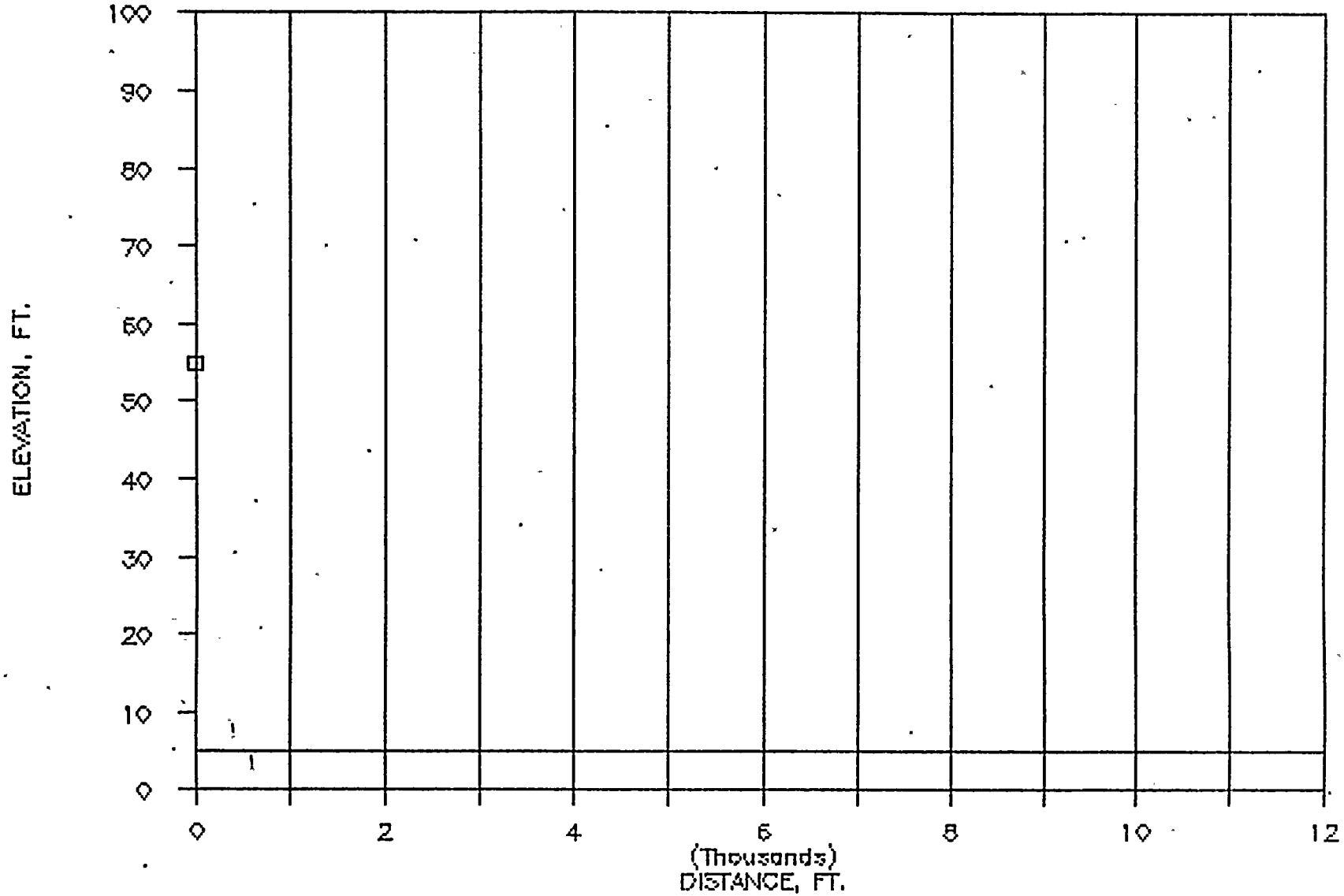
TURKEY POINT 20

AZIMUTH, SSW



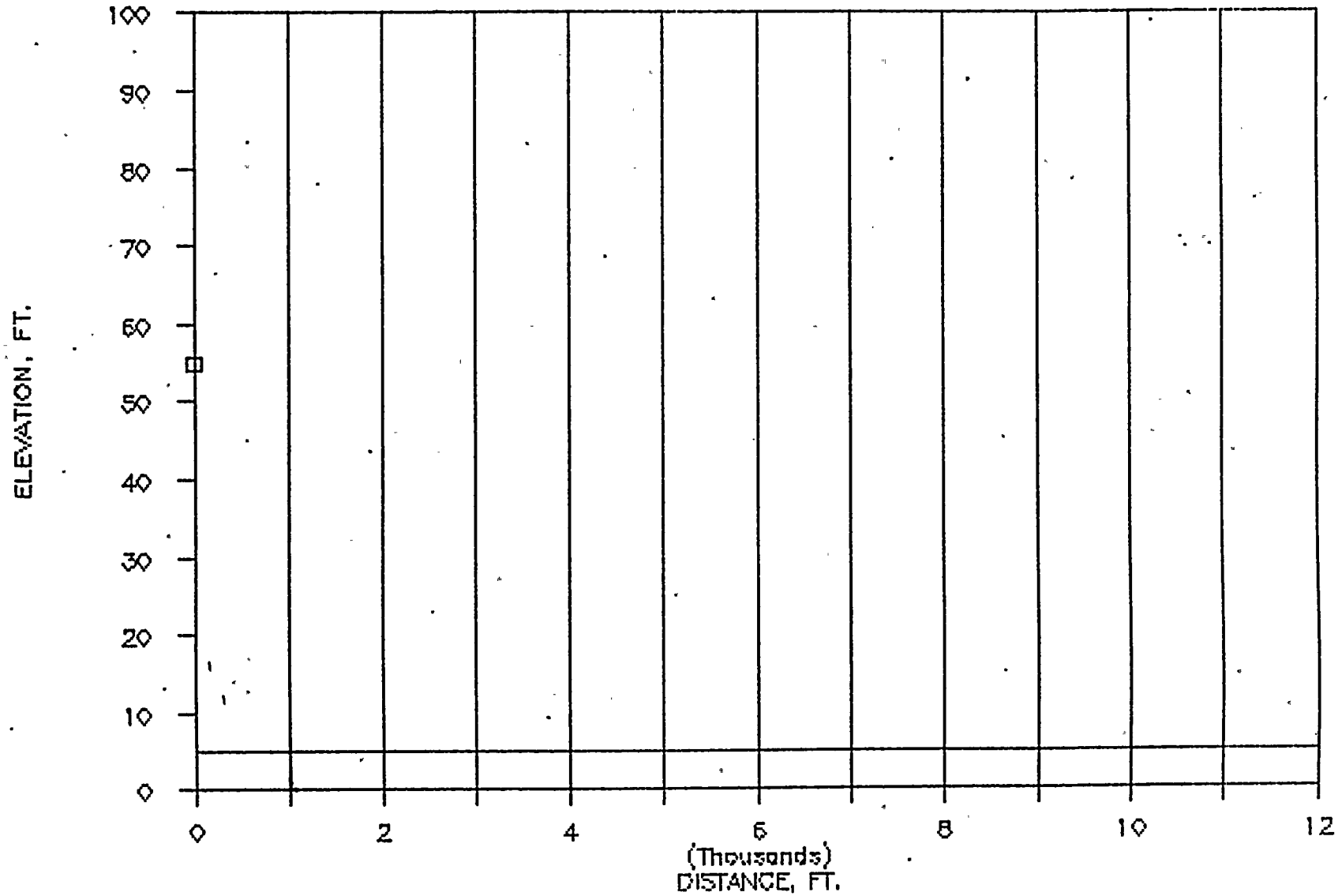
TURKEY POINT 20

AZIMUTH, S



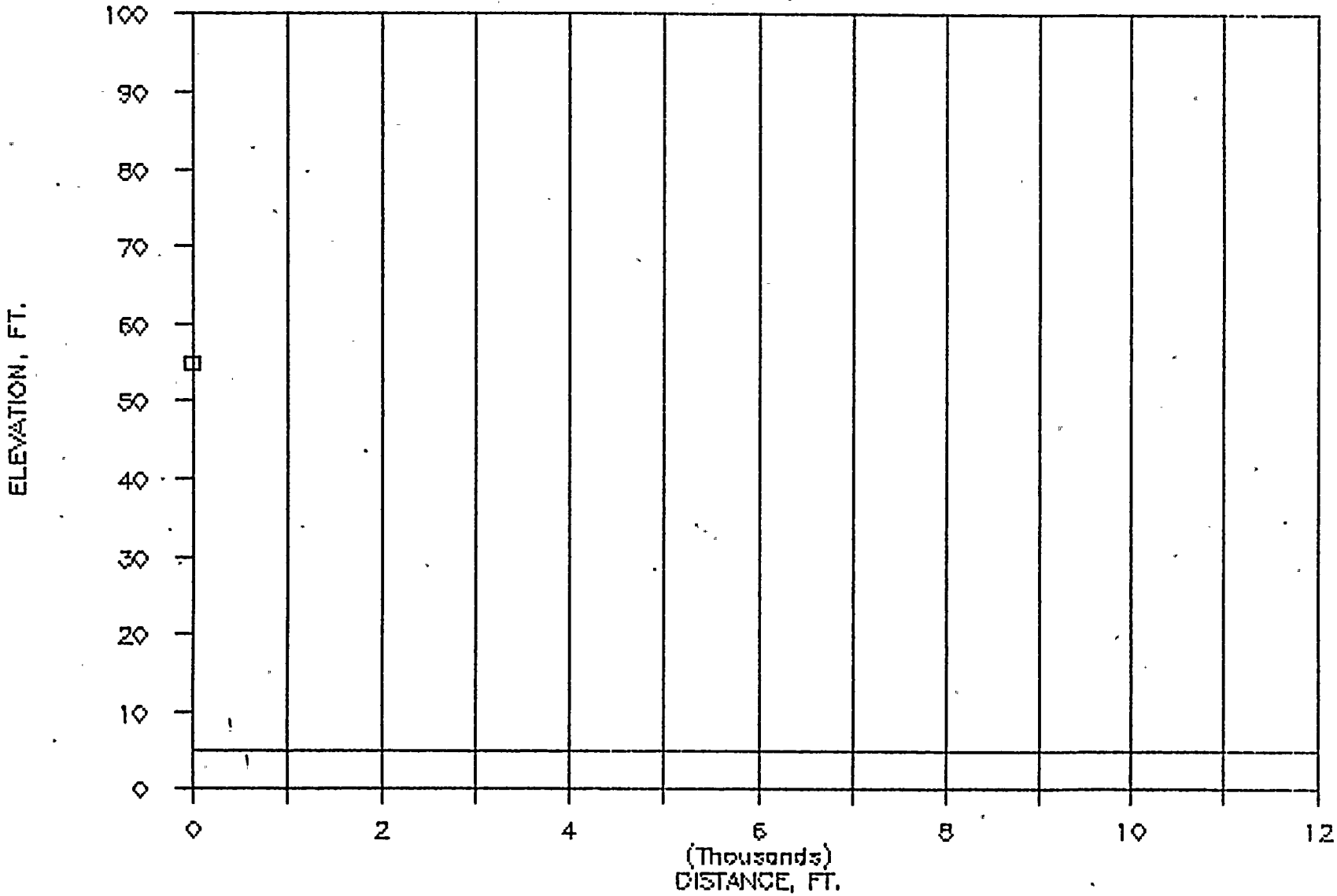
TURKEY POINT 20

AZIMUTH, SSE



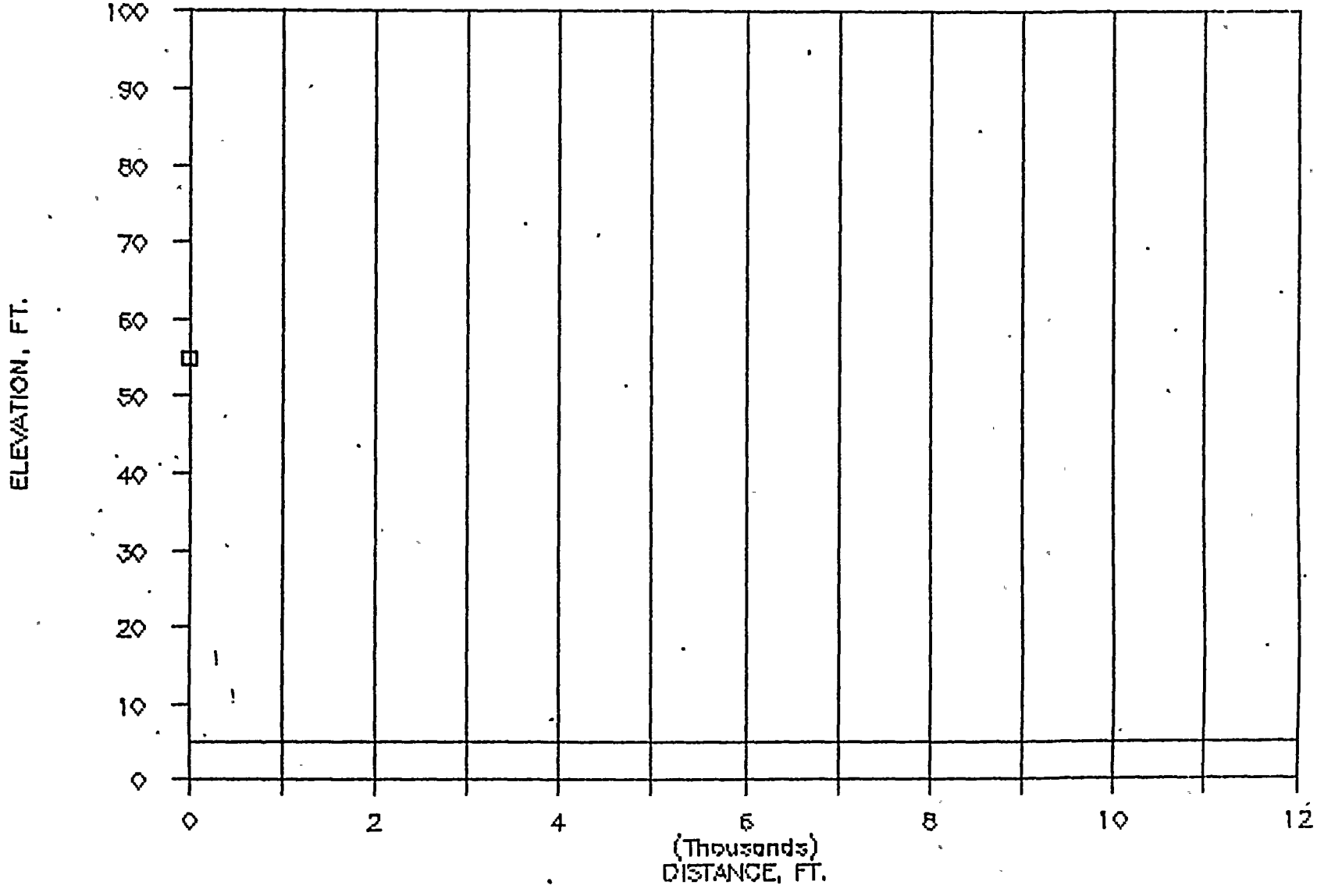
TURKEY POINT 20

AZIMUTH, SE



TURKEY POINT 20

AZIMUTH, ESE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT 6&7 DISCH #20-WES000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	5.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	5.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	5.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	5.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	5.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	5.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	5.00	SOFT	0.	NO	0.	0.
8	500.	67.50	5.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	5.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	5.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	5.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	5.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	5.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	5.00	SOFT	0.	NO	0.	0.
15	500.	45.00	5.00	SOFT	0.	NO	0.	0.
16	1000.	45.00	5.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	5.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	5.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	5.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	5.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	5.00	SOFT	0.	NO	0.	0.
22	500.	22.50	5.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	5.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	5.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	5.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	5.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	5.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	5.00	SOFT	0.	NO	0.	0.
29	500.	.00	5.00	SOFT	0.	NO	0.	0.
30	1000.	.00	5.00	SOFT	0.	NO	0.	0.
31	2000.	.00	5.00	SOFT	0.	NO	0.	0.
32	4000.	.00	5.00	SOFT	0.	NO	0.	0.
33	6000.	.00	5.00	SOFT	0.	NO	0.	0.
34	8000.	.00	5.00	SOFT	0.	NO	0.	0.
35	12000.	.00	5.00	SOFT	0.	NO	0.	0.
36	500.	337.50	5.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTI
37	1000.	337.50	5.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	5.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	5.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	5.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	5.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	5.00	SOFT	0.	NO	0.	0.
43	500.	315.00	5.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	5.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	5.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	5.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	5.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	5.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	5.00	SOFT	0.	NO	0.	0.
50	500.	292.50	5.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	5.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	5.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	5.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	5.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	5.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	5.00	SOFT	0.	NO	0.	0.
57	500.	270.00	5.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	5.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	5.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	5.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	5.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	5.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	5.00	SOFT	0.	NO	0.	0.
64	500.	247.50	5.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	5.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	5.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	5.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	5.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	5.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	5.00	SOFT	0.	NO	0.	0.
71	500.	225.00	5.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	5.00	SOFT	0.	NO	0.	0.

POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	5.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	5.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	5.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	5.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	5.00	SOFT	0.	NO	0.	0.
78	500.	202.50	5.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	5.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	5.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	5.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	5.00	HARD	0.	NO	0.	0.
83	8000.	202.50	5.00	HARD	0.	NO	0.	0.
84	12000.	202.50	5.00	SOFT	0.	NO	0.	0.
85	500.	180.00	5.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	5.00	SOFT	0.	NO	0.	0.
87	2000.	180.00	5.00	SOFT	0.	NO	0.	0.
88	4000.	180.00	5.00	SOFT	0.	NO	0.	0.
89	6000.	180.00	5.00	HARD	0.	NO	0.	0.
90	8000.	180.00	5.00	HARD	0.	NO	0.	0.
91	12000.	180.00	5.00	HARD	0.	NO	0.	0.
[illegible]	500.	157.50	5.00	SOFT	0.	NO	0.	0.
[illegible]	1000.	157.50	5.00	SOFT	0.	NO	0.	0.
[illegible]	2000.	157.50	5.00	SOFT	0.	NO	0.	0.
95	[illegible]	157.50	5.00	SOFT	0.	NO	0.	0.
96	[illegible]	157.50	5.00	SOFT	0.	NO	0.	0.
97	8000.	157.50	5.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	5.00	HARD	0.	NO	0.	0.
99	500.	135.00	5.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	5.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	5.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	5.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	5.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	5.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	5.00	SOFT	0.	NO	0.	0.
106	500.	112.50	5.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	5.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	5.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	5.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	5.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	5.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	5.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #20-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ
1	TURKEY-WS3000	159.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 5.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #20-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.00 METERS H2= 60.00 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #20-WS3000

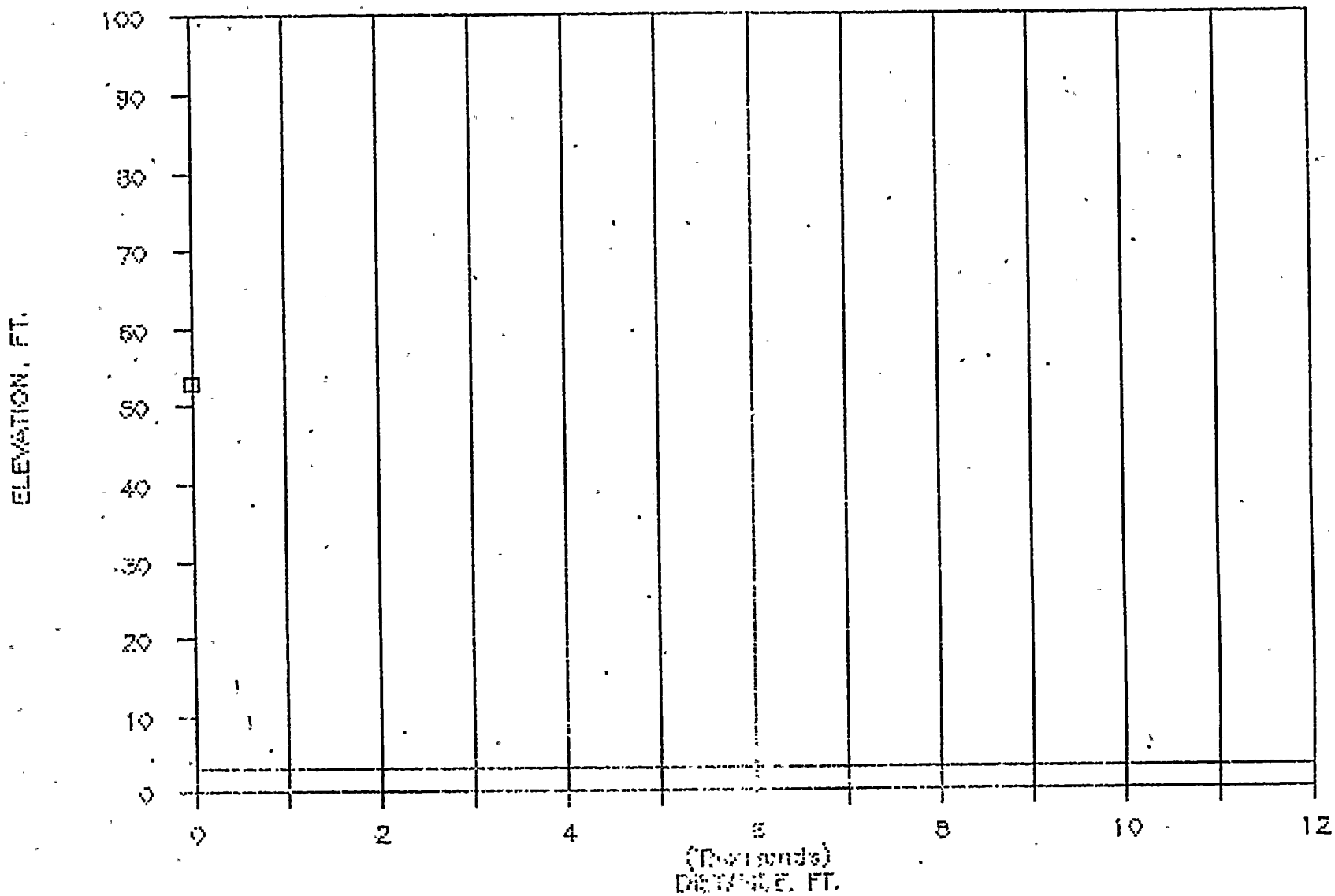
SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	75.	70.	59.
S	106.	93.	72.	45.	45.	40.	32.
SSE	106.	92.	70.	45.	40.	36.	32.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	91.	69.	45.	40.	36.	29.

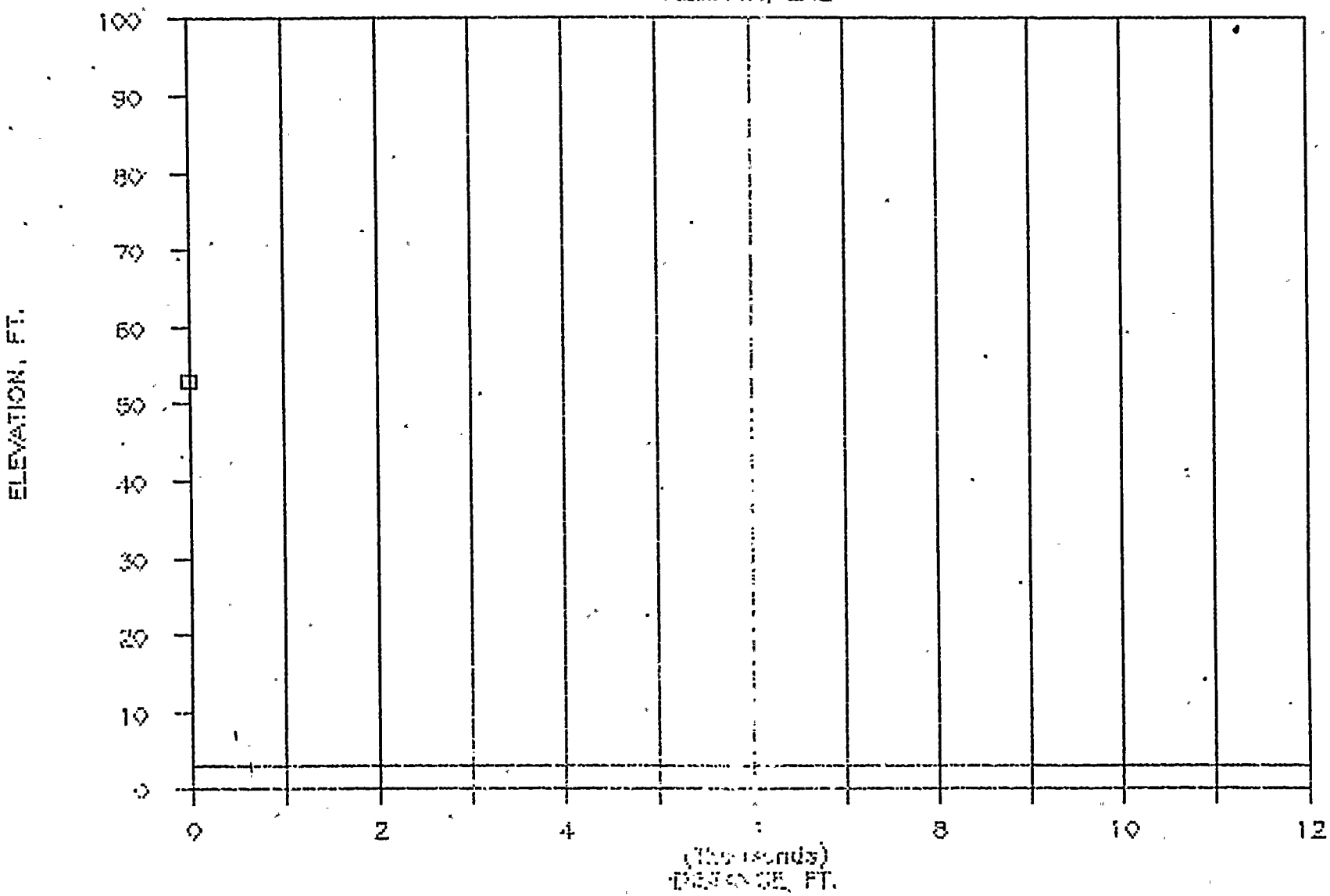
TURKEY POINT 21

AZIMUTH, E



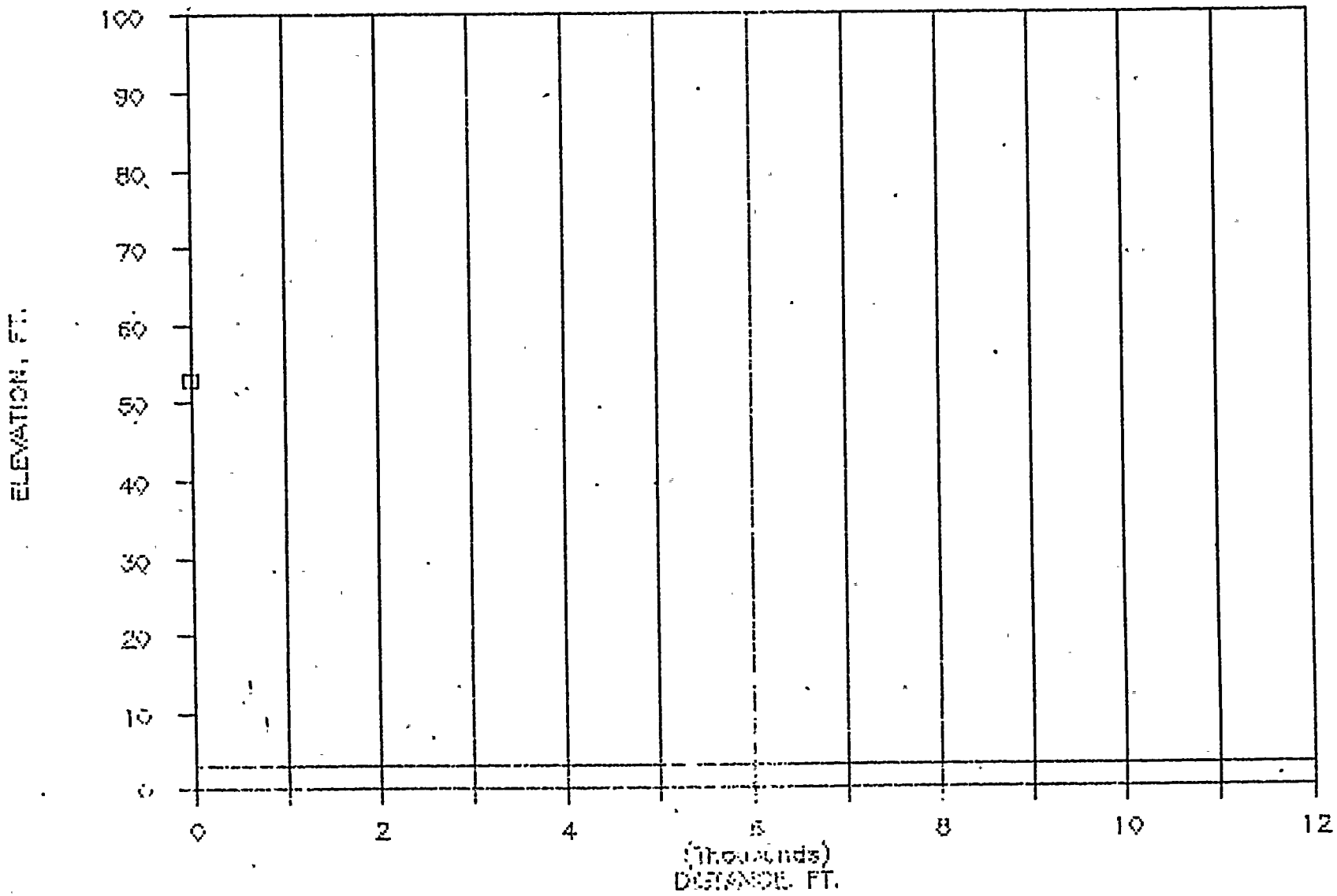
TURKEY POINT 21

AZIMUTH, ENE



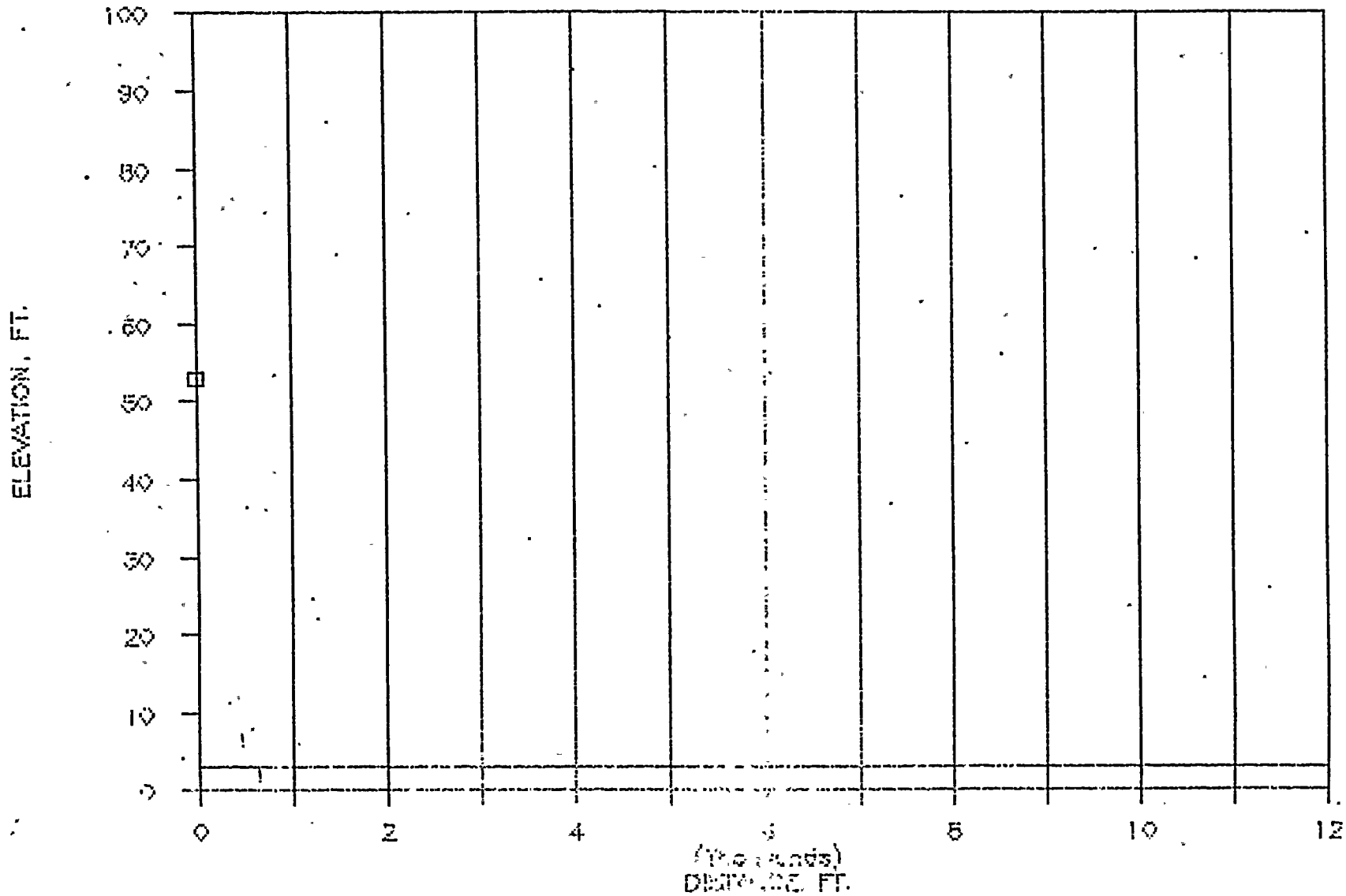
TURKEY POINT 21

AZIMUTH, NE

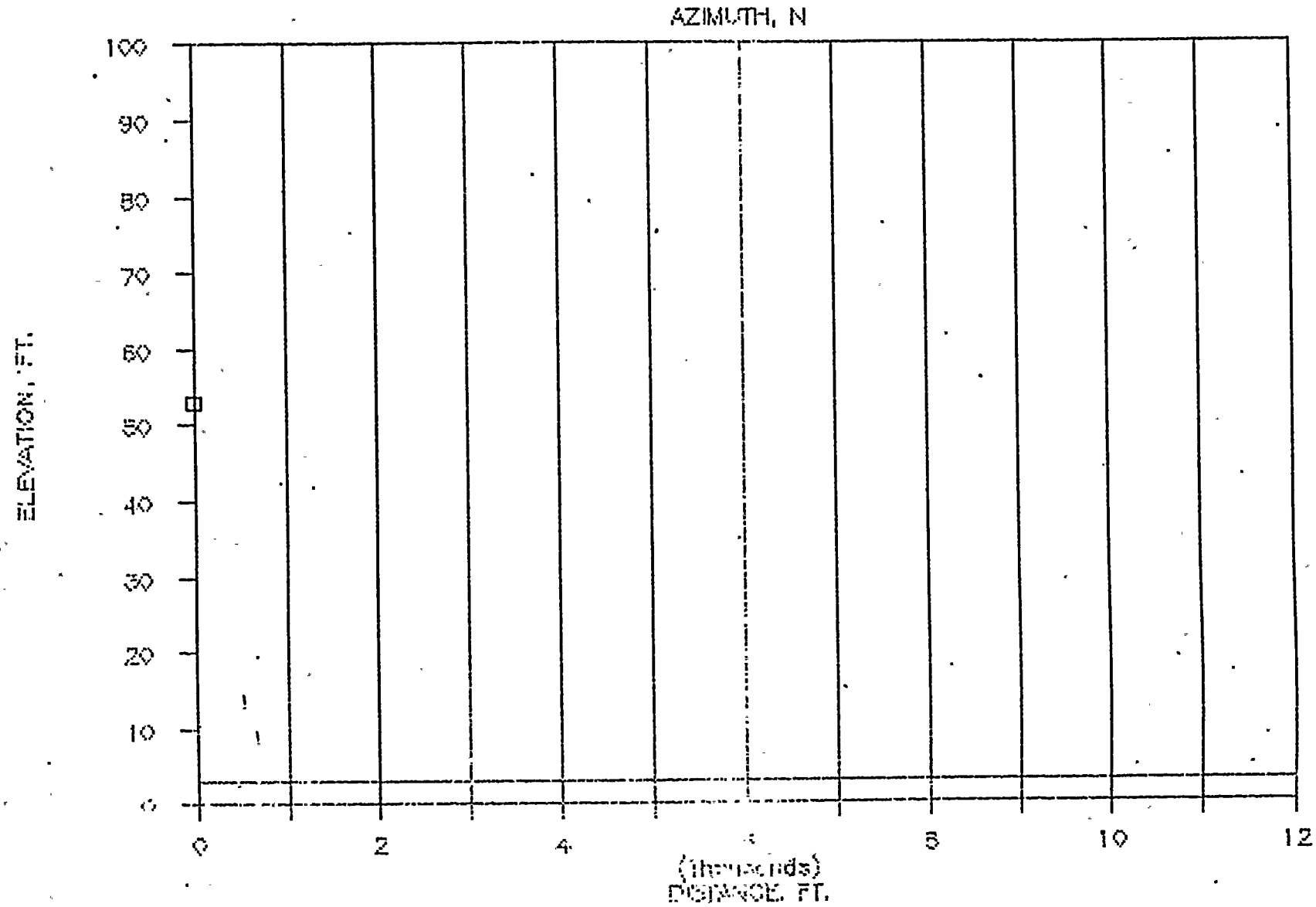


TURKEY POINT 21

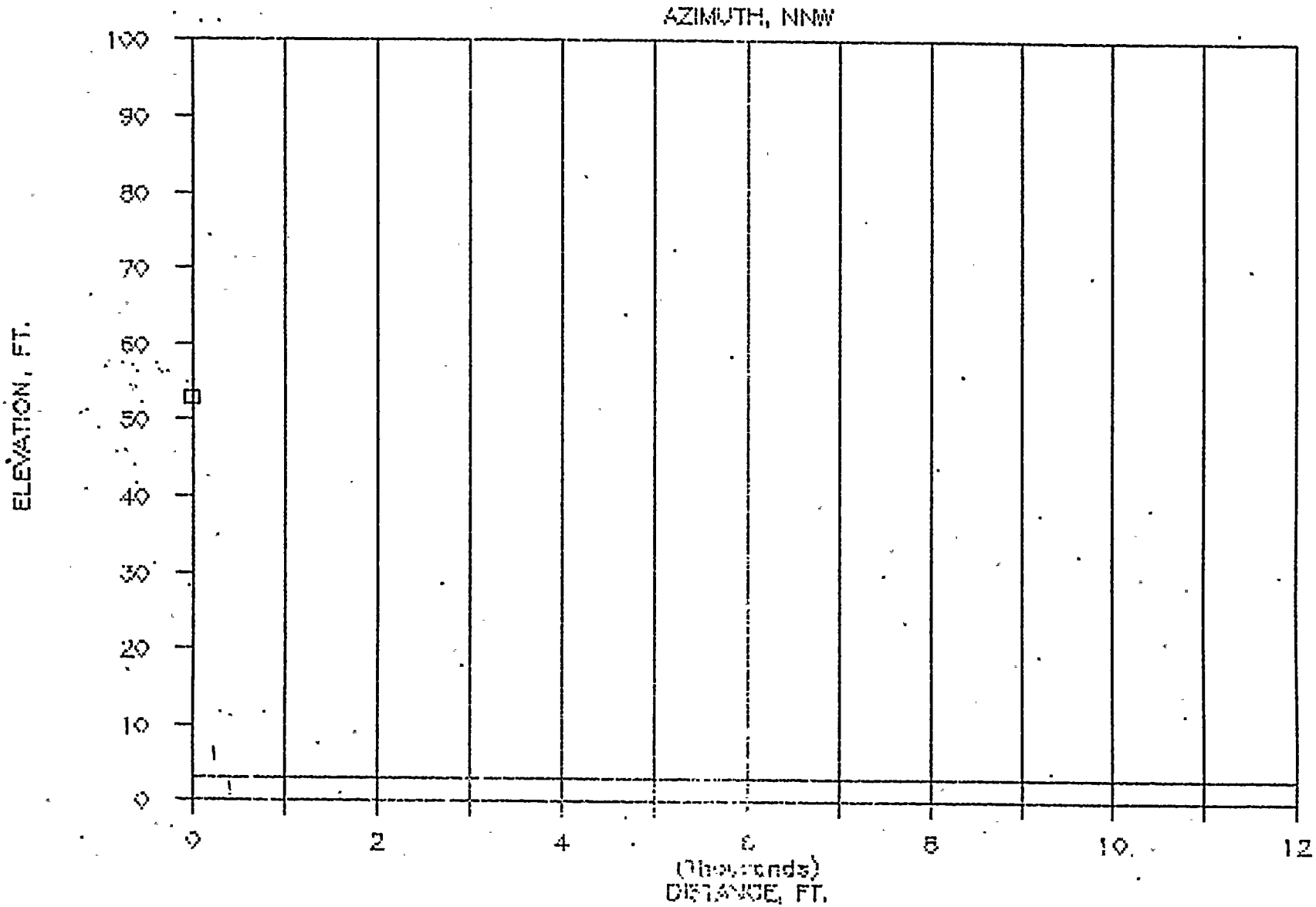
AZIMUTH, NNE



TURKEY POINT 21

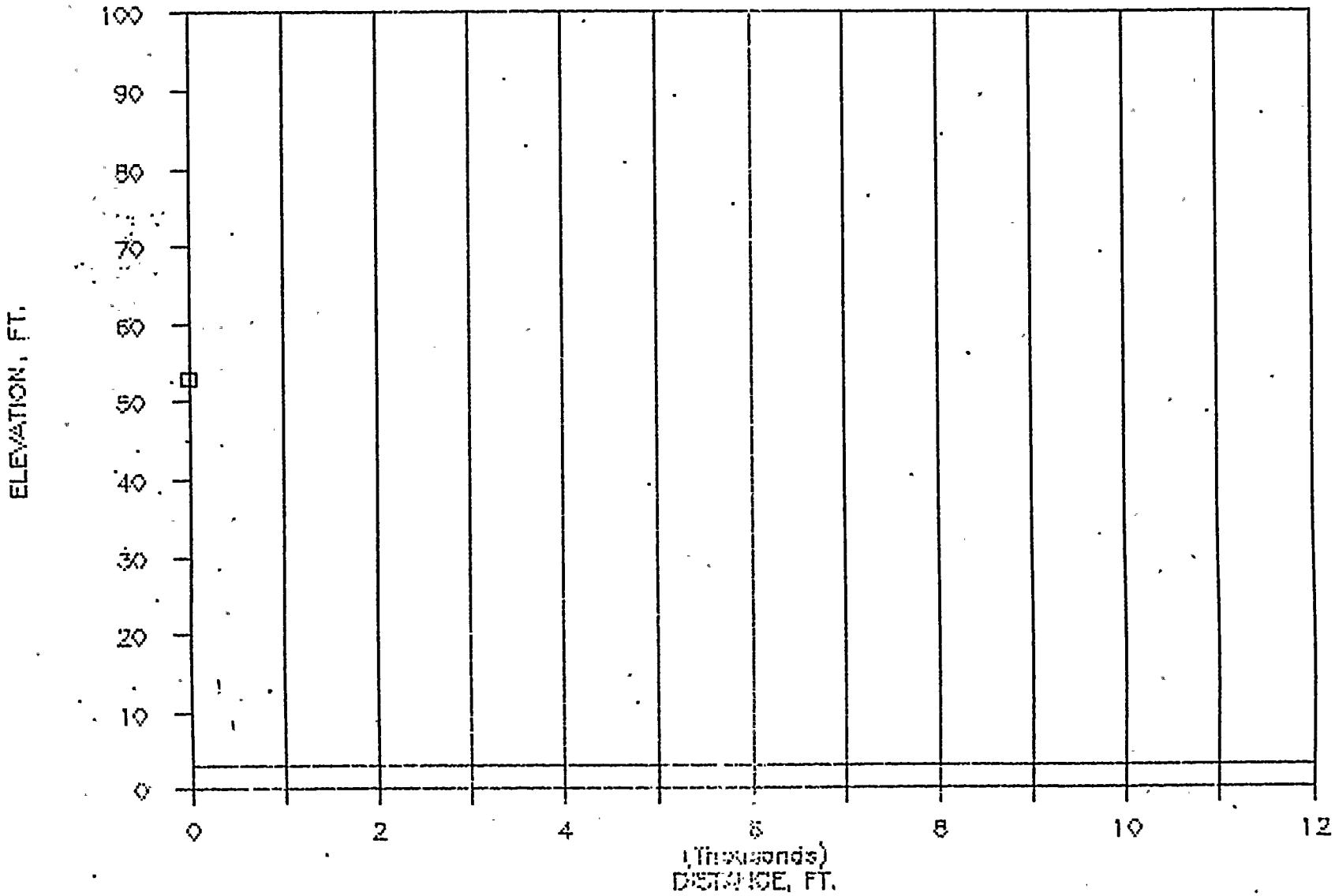


TURKEY POINT 21



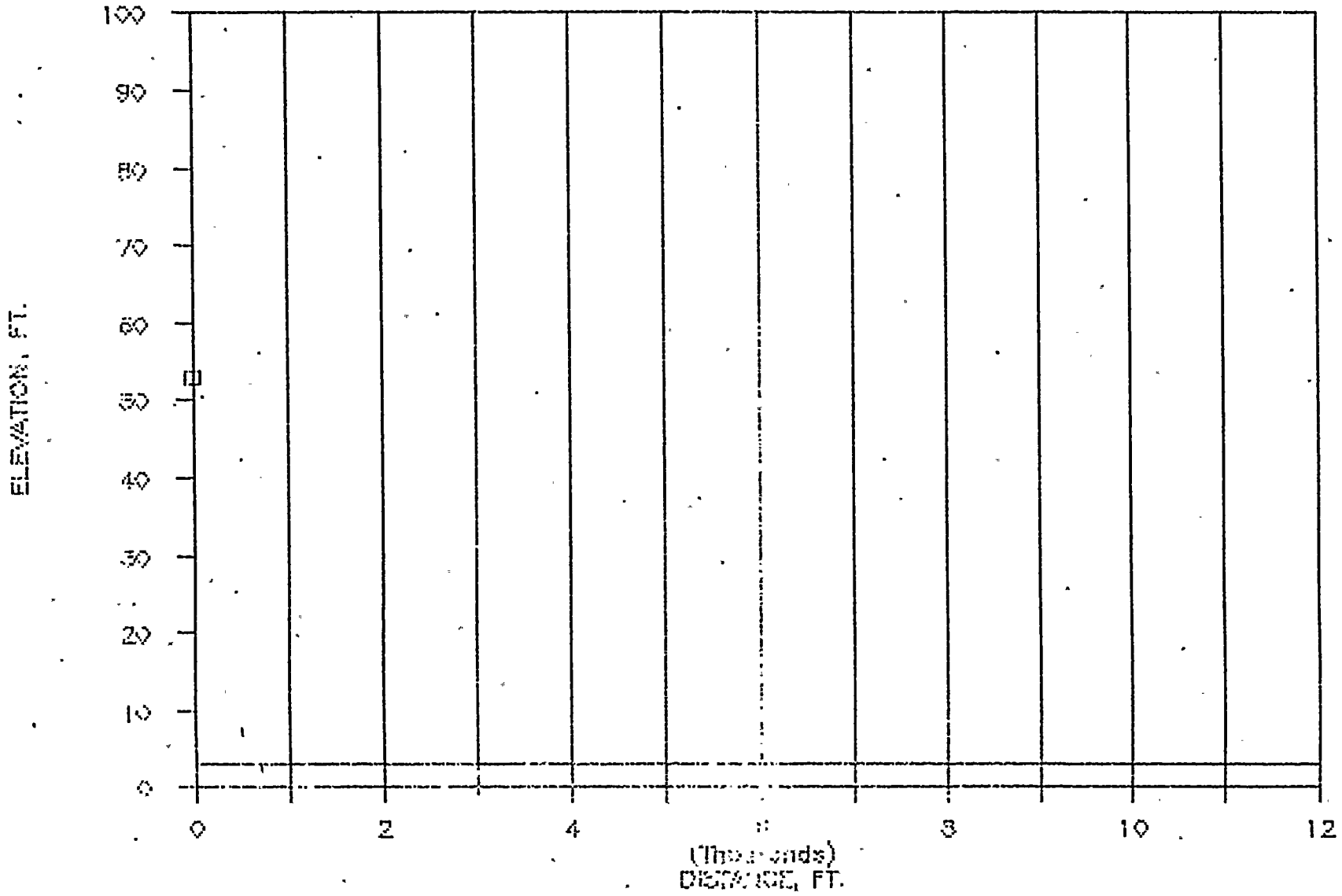
TURKEY POINT 21

AZIMUTH, NW

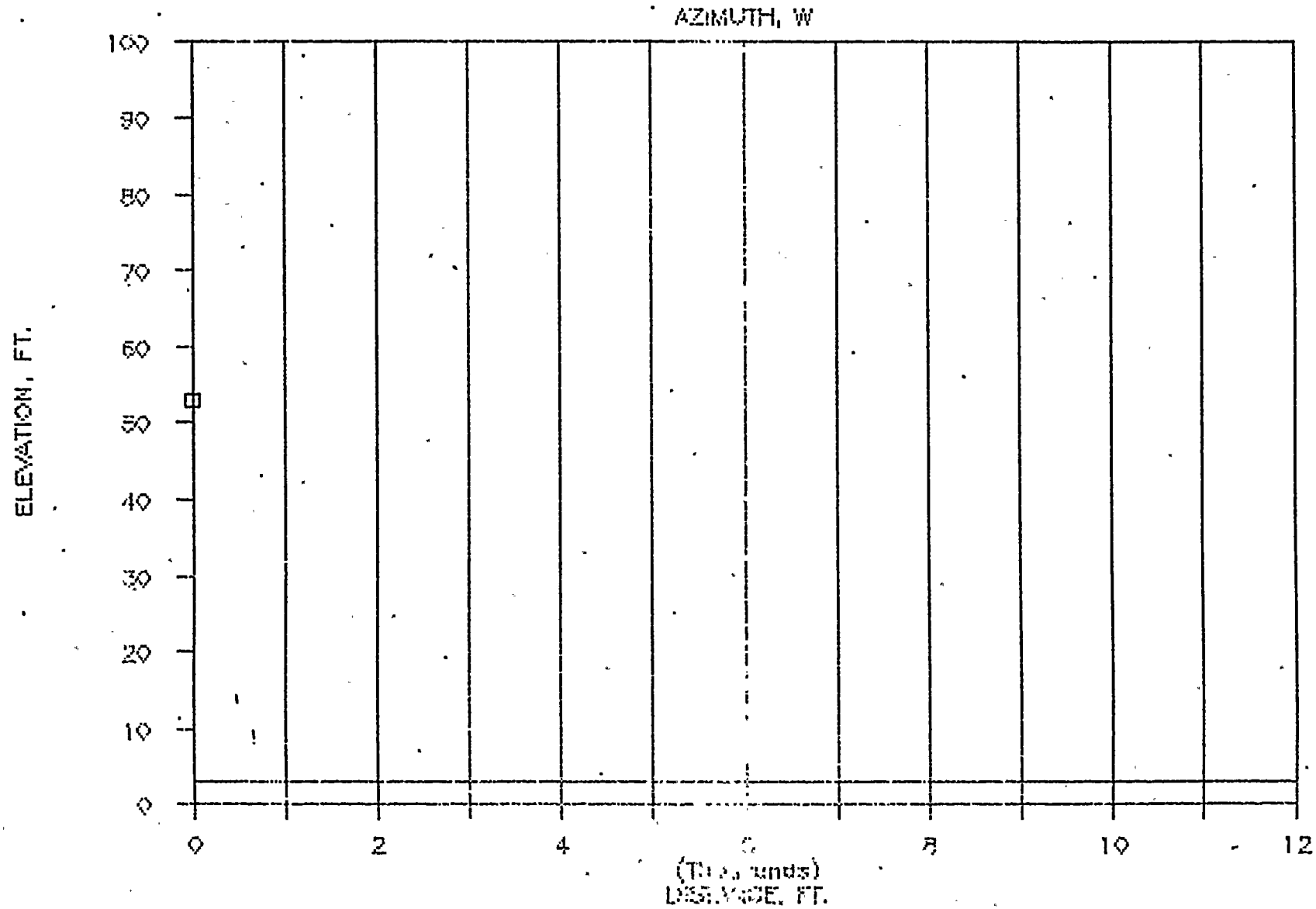


TURKEY POINT 21

AZIMUTH, WNW

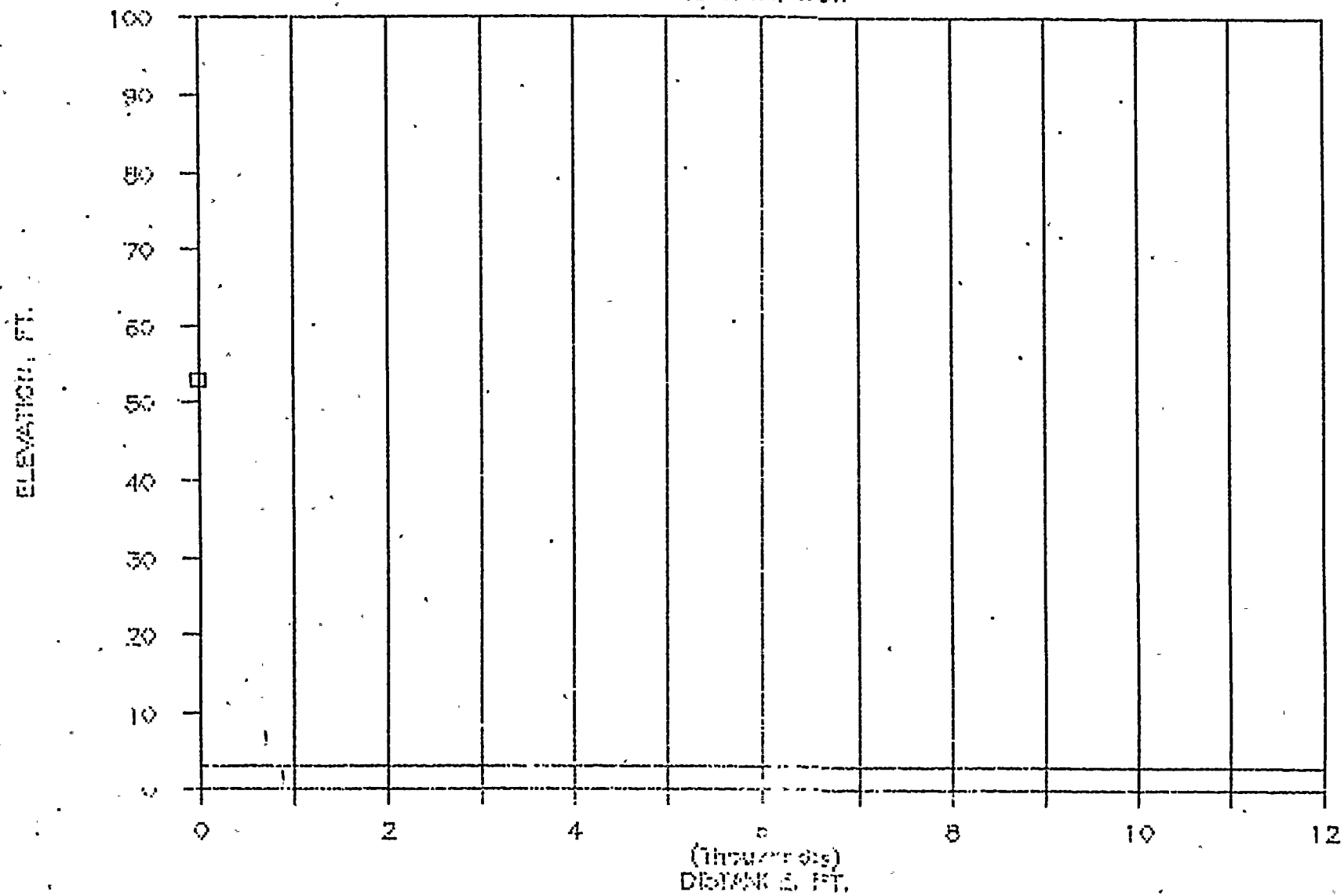


TURKEY POINT 21



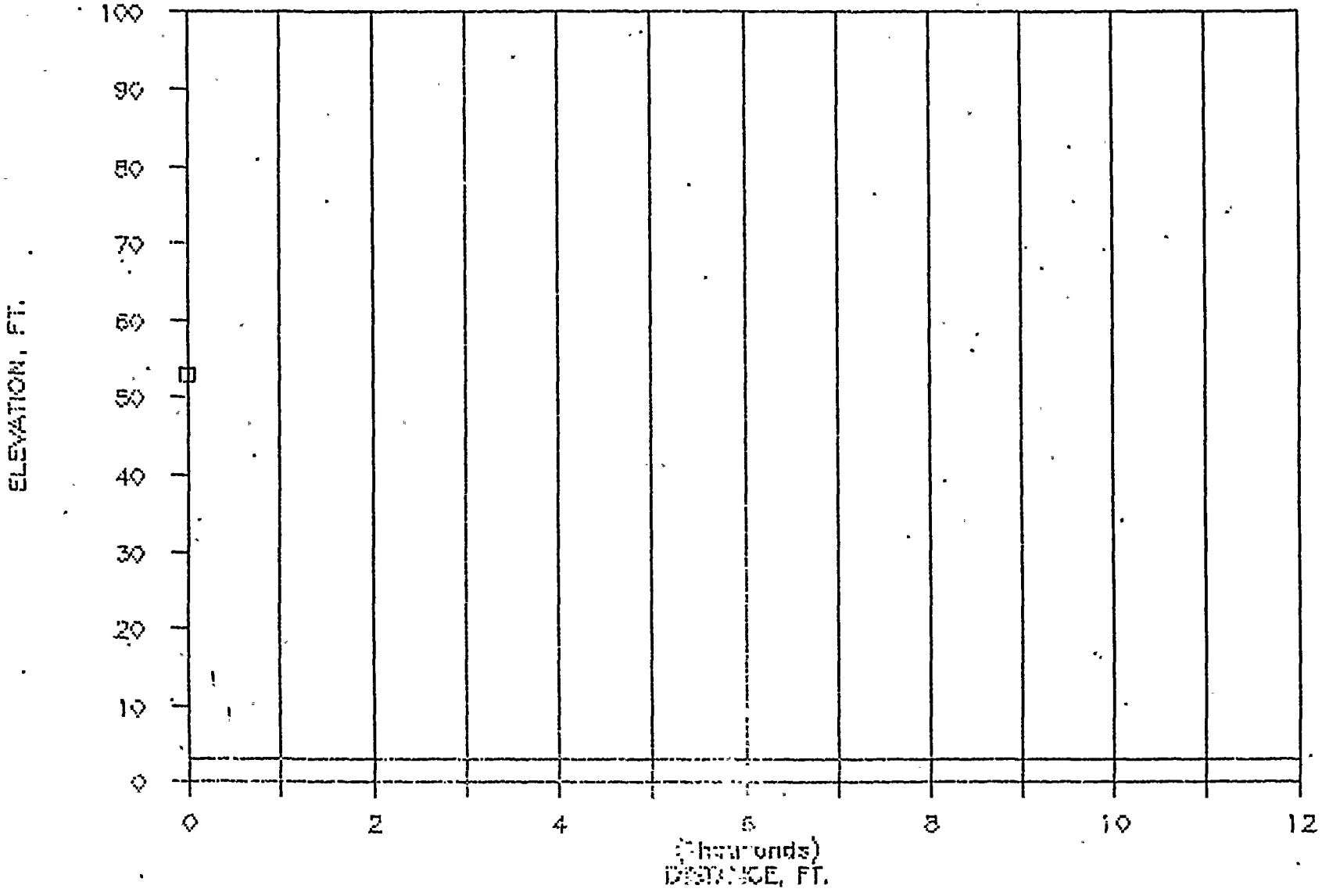
TURKEY POINT 21

AZIMUTH, WSW



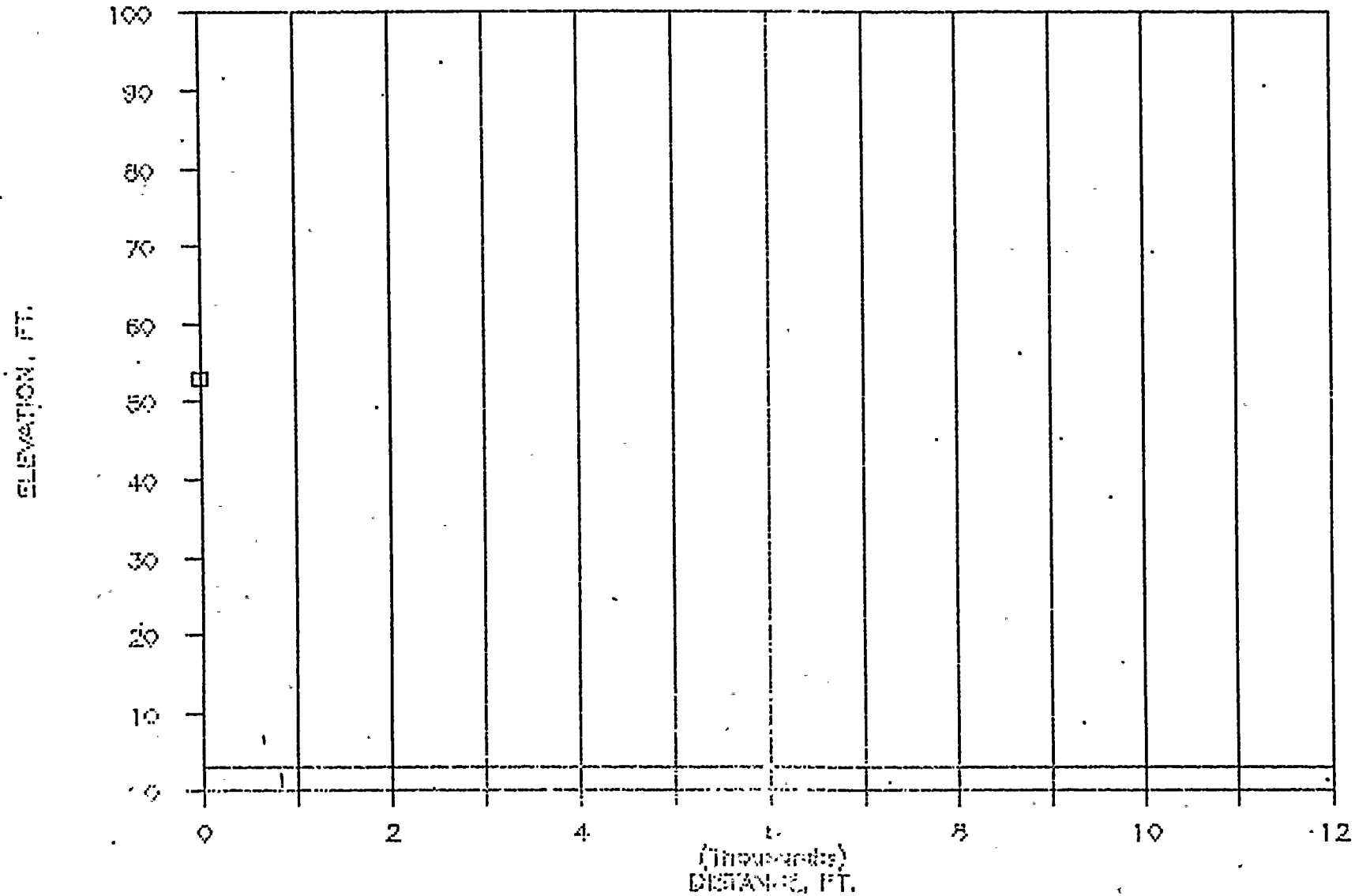
TURKEY POINT 21

AZIMUTH, SW



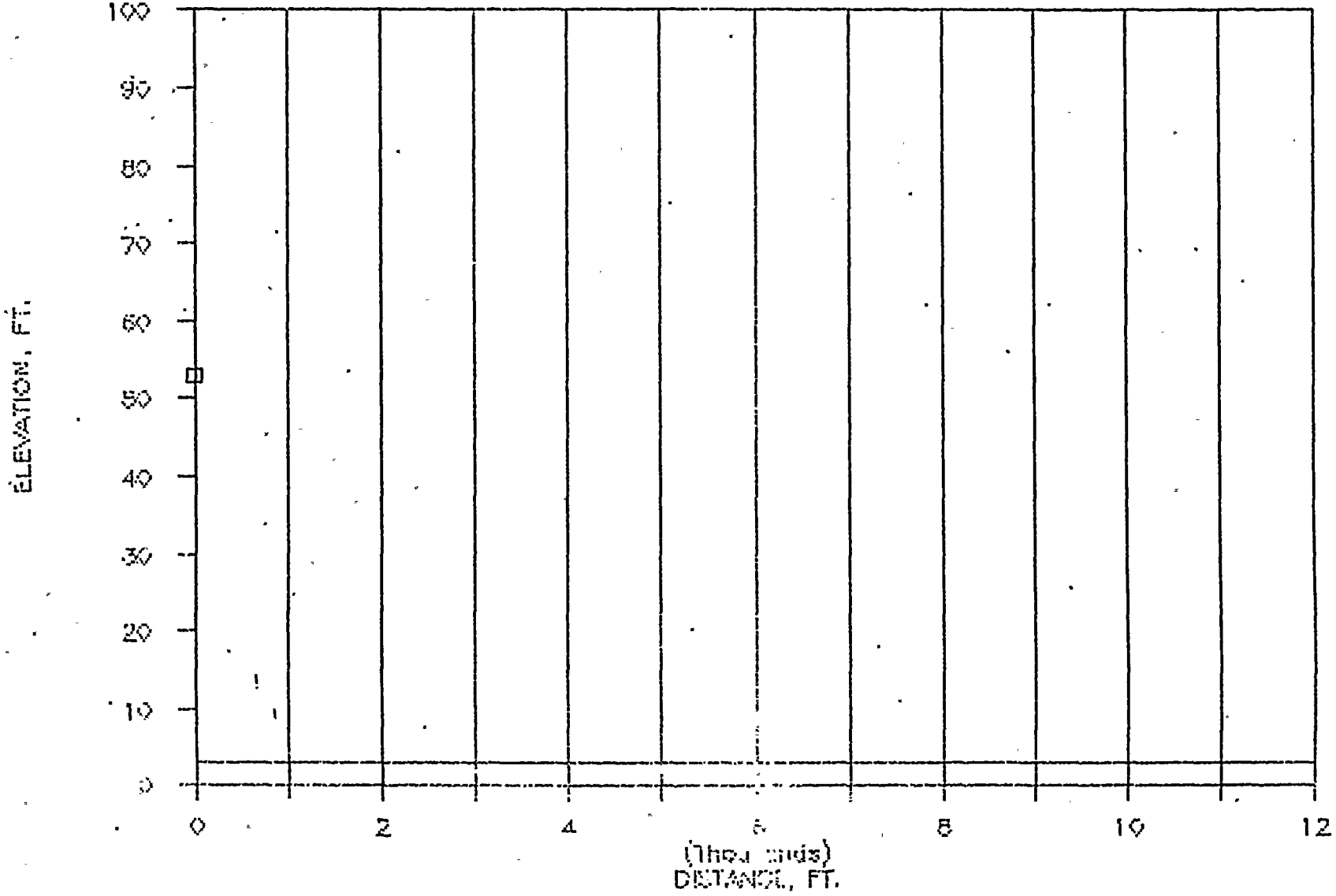
TURKEY POINT 21

AZIMUTH, SSW



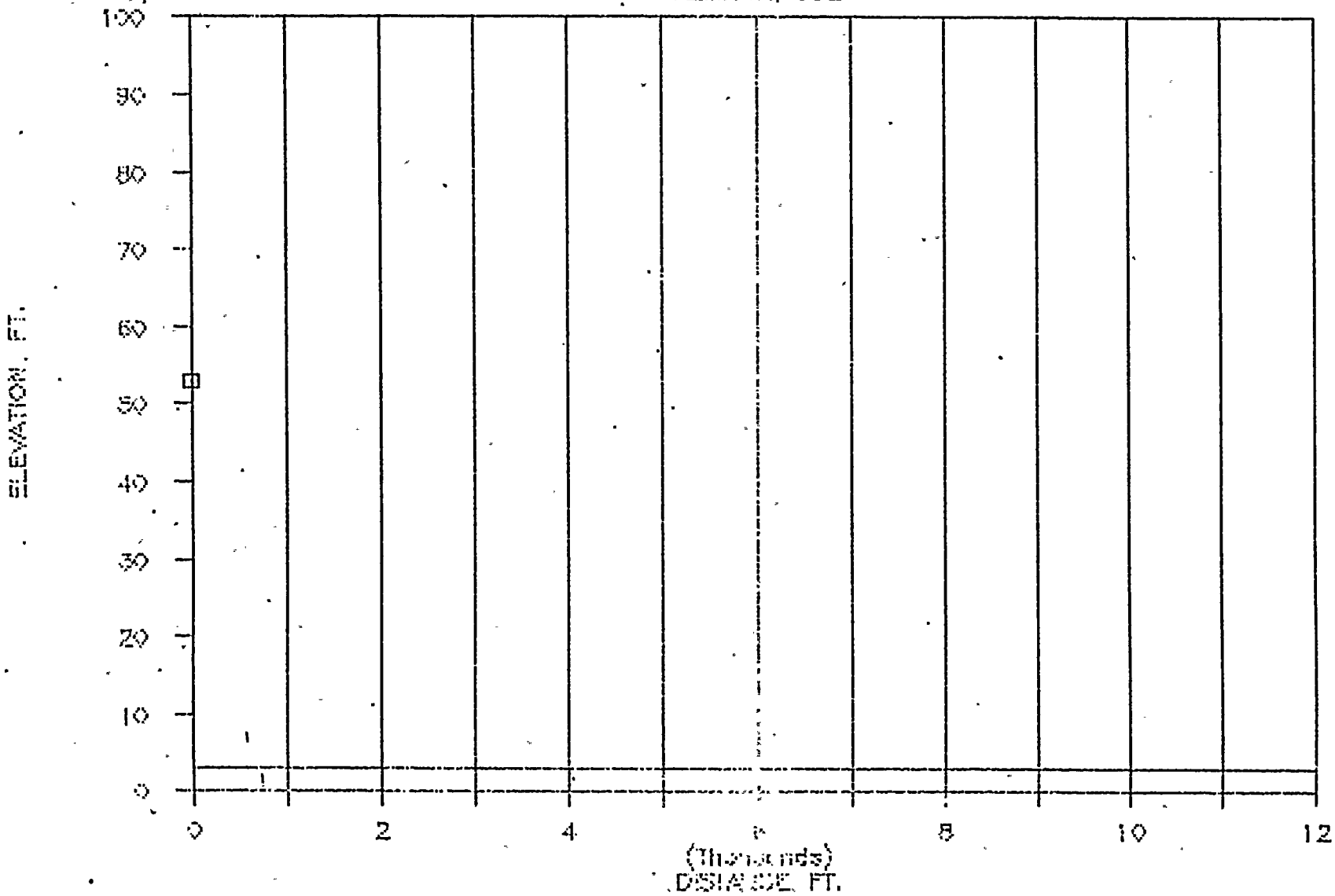
TURKEY POINT 21

AZIMUTH, S



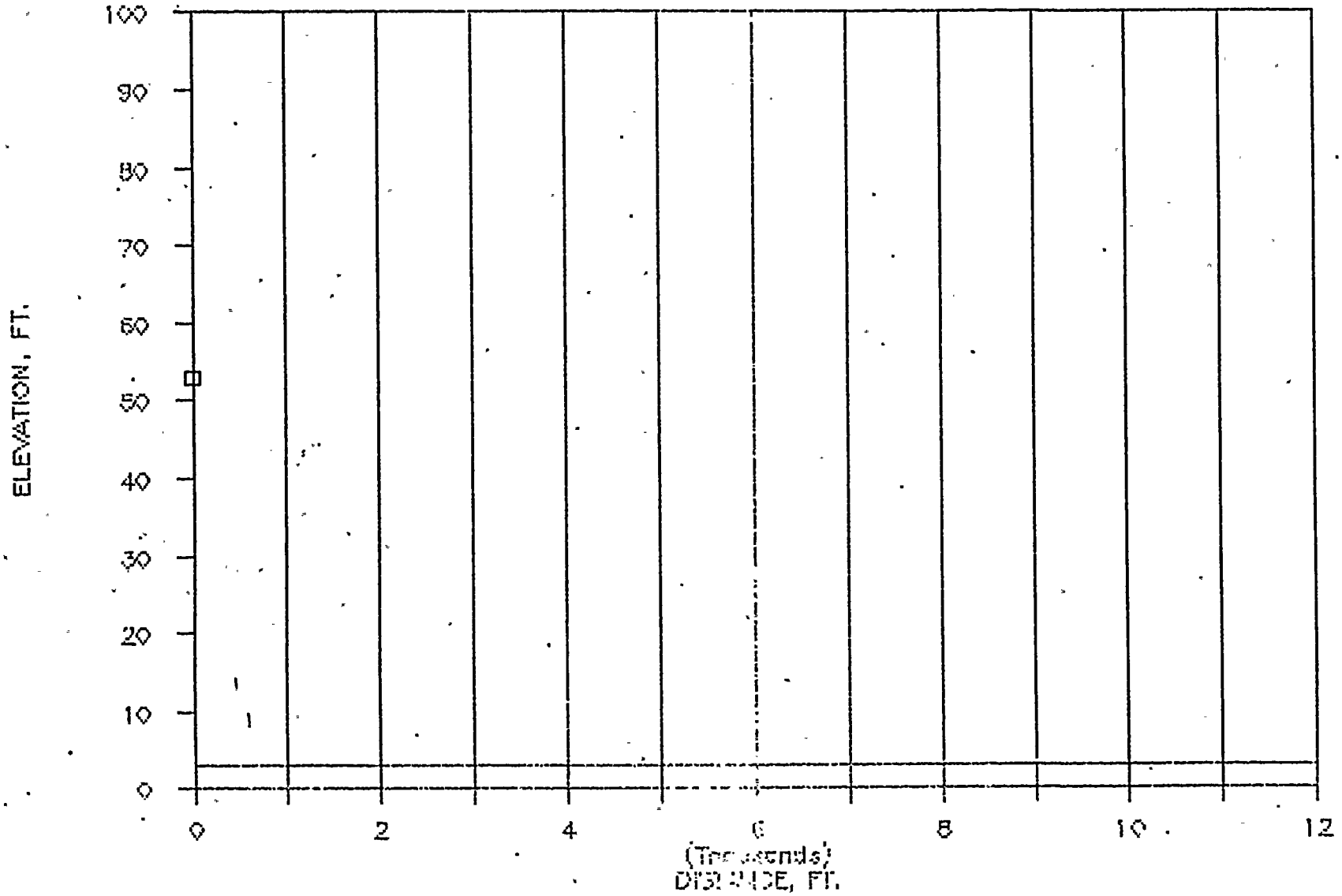
TURKEY POINT 21

AZIMUTH, SSE



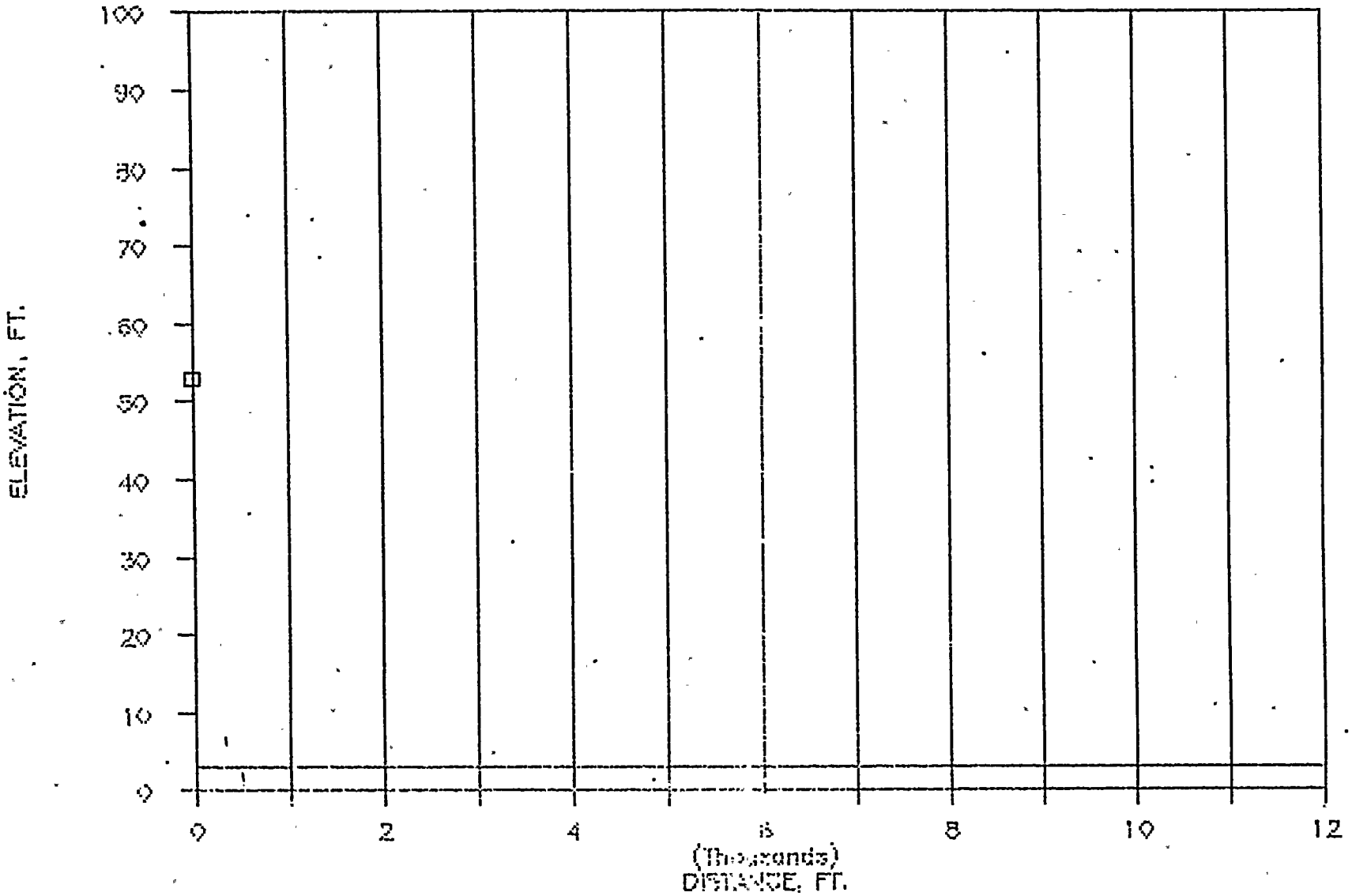
TURKEY POINT 21

AZIMUTH, SE



TURKEY POINT 21

AZIMUTH, ESE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #21-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	3.00	HARD	0.	NO	0.	0.
2	1000.	90.00	3.00	HARD	0.	NO	0.	0.
3	2000.	90.00	3.00	HARD	0.	NO	0.	0.
4	4000.	90.00	3.00	HARD	0.	NO	0.	0.
5	6000.	90.00	3.00	HARD	0.	NO	0.	0.
6	8000.	90.00	3.00	HARD	0.	NO	0.	0.
7	12000.	90.00	3.00	HARD	0.	NO	0.	0.
8	500.	67.50	3.00	HARD	0.	NO	0.	0.
9	1000.	67.50	3.00	HARD	0.	NO	0.	0.
10	2000.	67.50	3.00	HARD	0.	NO	0.	0.
11	4000.	67.50	3.00	HARD	0.	NO	0.	0.
12	6000.	67.50	3.00	HARD	0.	NO	0.	0.
13	8000.	67.50	3.00	HARD	0.	NO	0.	0.
14	12000.	67.50	3.00	HARD	0.	NO	0.	0.
15	500.	45.00	3.00	SOFT	0.	NO	0.	0.
16	1000.	45.00	3.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	3.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	3.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	3.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	3.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	3.00	SOFT	0.	NO	0.	0.
22	500.	22.50	3.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	3.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	3.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	3.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	3.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	3.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	3.00	SOFT	0.	NO	0.	0.
29	500.	.00	3.00	SOFT	0.	NO	0.	0.
30	1000.	.00	3.00	SOFT	0.	NO	0.	0.
31	2000.	.00	3.00	SOFT	0.	NO	0.	0.
32	4000.	.00	3.00	SOFT	0.	NO	0.	0.
33	6000.	.00	3.00	SOFT	0.	NO	0.	0.
34	8000.	.00	3.00	SOFT	0.	NO	0.	0.
35	12000.	.00	3.00	SOFT	0.	NO	0.	0.
36	500.	337.50	3.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	3.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	3.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	3.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	3.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	3.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	3.00	SOFT	0.	NO	0.	0.
43	500.	315.00	3.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	3.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	3.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	3.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	3.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	3.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	3.00	SOFT	0.	NO	0.	0.
50	500.	292.50	3.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	3.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	3.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	3.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	3.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	3.00	SOFT	0.	NO	0.	0.
[illegible]	12000.	292.50	3.00	SOFT	0.	NO	0.	0.
[illegible]	500.	270.00	3.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	3.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	3.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	3.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	3.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	3.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	3.00	SOFT	0.	NO	0.	0.
64	500.	247.50	3.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	3.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	3.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	3.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	3.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	3.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	3.00	SOFT	0.	NO	0.	0.
71	500.	225.00	3.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	3.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	3.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	3.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	3.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	3.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	3.00	SOFT	0.	NO	0.	0.
78	500.	202.50	3.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	3.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	3.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	3.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	3.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	3.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	3.00	SOFT	0.	NO	0.	0.
85	500.	180.00	3.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	3.00	SOFT	0.	NO	0.	
87	2000.	180.00	3.00	SOFT	0.	NO	0.	0.
88	4000.	180.00	3.00	SOFT	0.	NO	0.	0.
89	6000.	180.00	3.00	SOFT	0.	NO	0.	0.
90	8000.	180.00	3.00	SOFT	0.	NO	0.	0.
91	12000.	180.00	3.00	SOFT	0.	NO	0.	
92	500.	157.50	3.00	HARD	0.	NO	0.	0.
93	1000.	157.50	3.00	HARD	0.	NO	0.	0.
94	2000.	157.50	3.00	HARD	0.	NO	0.	0.
95	4000.	157.50	3.00	HARD	0.	NO	0.	0.
96	6000.	157.50	3.00	HARD	0.	NO	0.	0.
97	8000.	157.50	3.00	HARD	0.	NO	0.	0.
98	12000.	157.50	3.00	HARD	0.	NO	0.	0.
99	500.	135.00	3.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	3.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	3.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	3.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	3.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	3.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	3.00	SOFT	0.	NO	0.	0.
106	500.	112.50	3.00	HARD	0.	NO	0.	0.
107	1000.	112.50	3.00	HARD	0.	NO	0.	0.
108	2000.	112.50	3.00	HARD	0.	NO	0.	0.
109	4000.	112.50	3.00	HARD	0.	NO	0.	0.
110	6000.	112.50	3.00	HARD	0.	NO	0.	0.
111	8000.	112.50	3.00	HARD	0.	NO	0.	0.
112	12000.	112.50	3.00	HARD	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #21-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	159.4	159.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 3.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #21-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.06 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

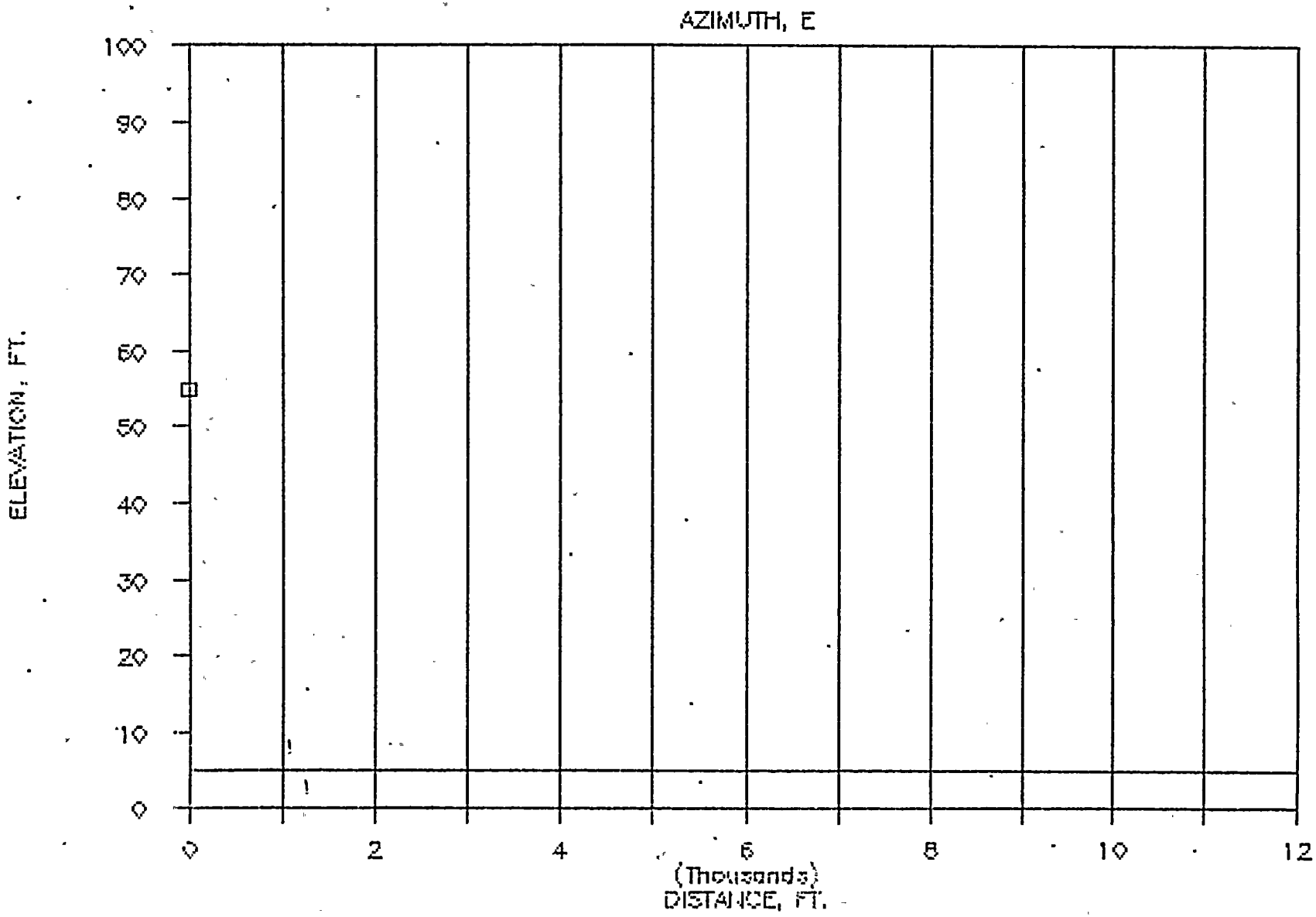
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #21-WS3000

SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

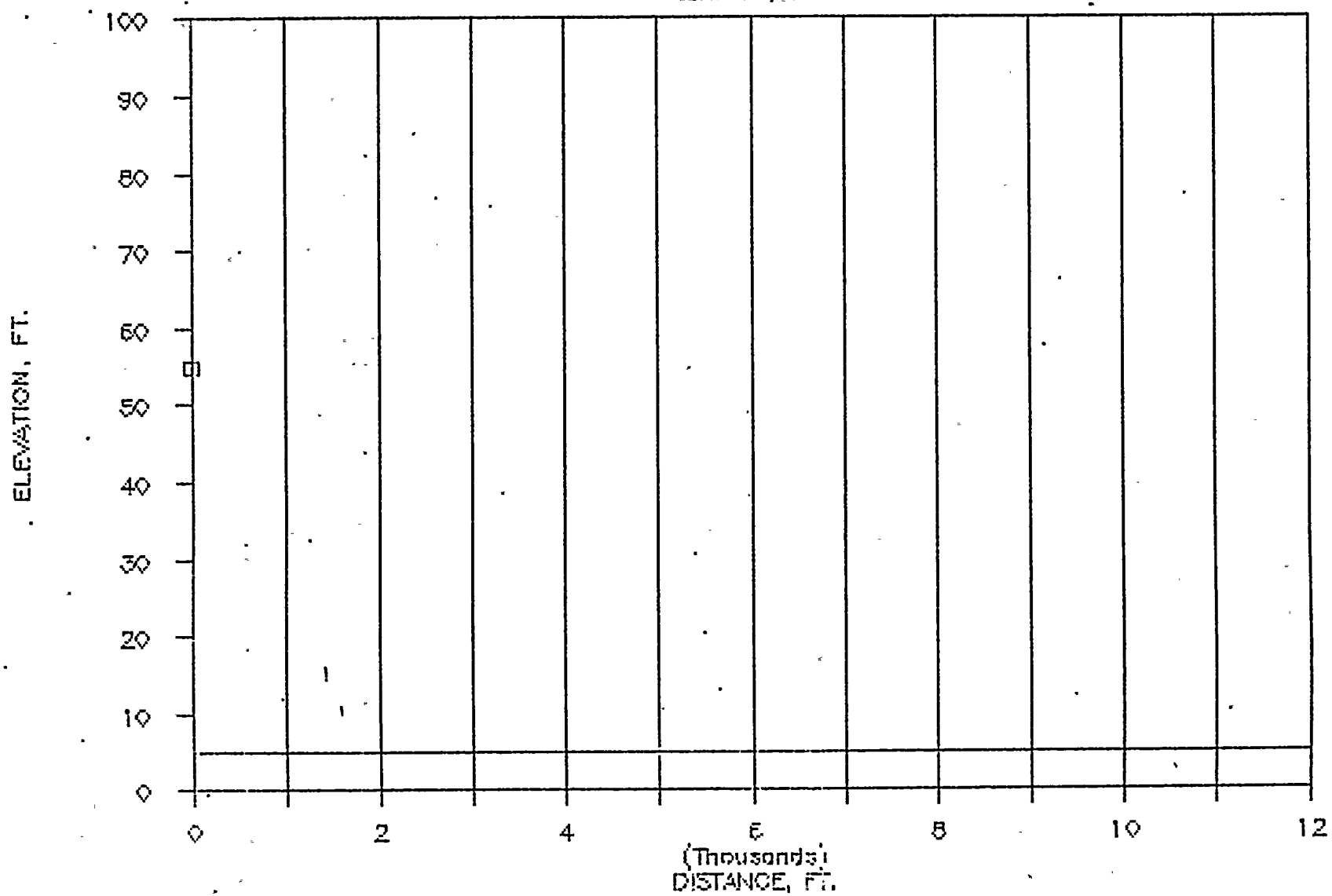
AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	95.	77.	52.	45.	40.	32.
ENE	106.	96.	79.	52.	45.	40.	32.
NE	106.	94.	73.	47.	40.	35.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	35.	29.
SSE	106.	95.	77.	52.	45.	40.	32.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	95.	76.	52.	45.	40.	32.

TURKEY POINT 25



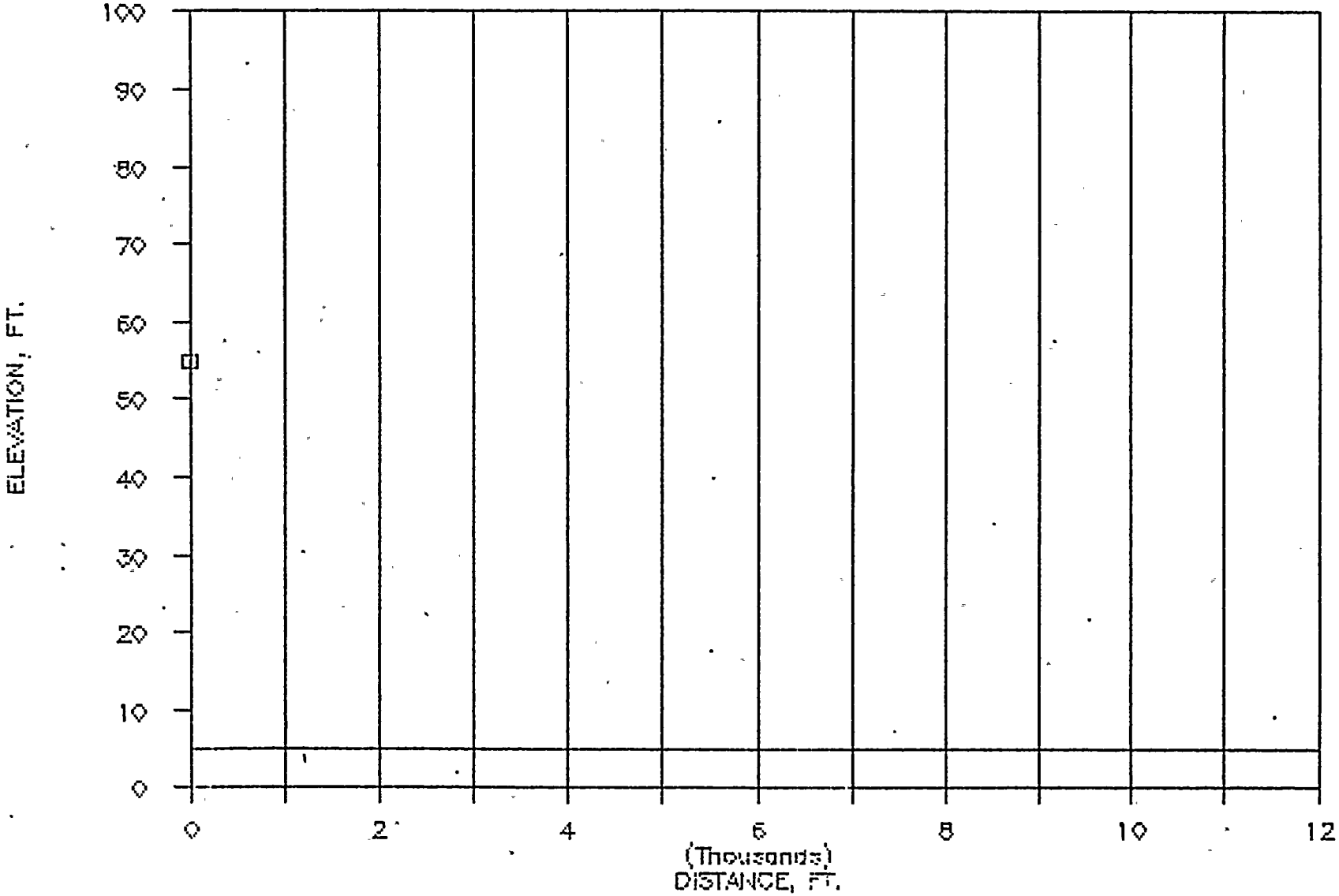
TURKEY POINT 25

AZIMUTH, ENE



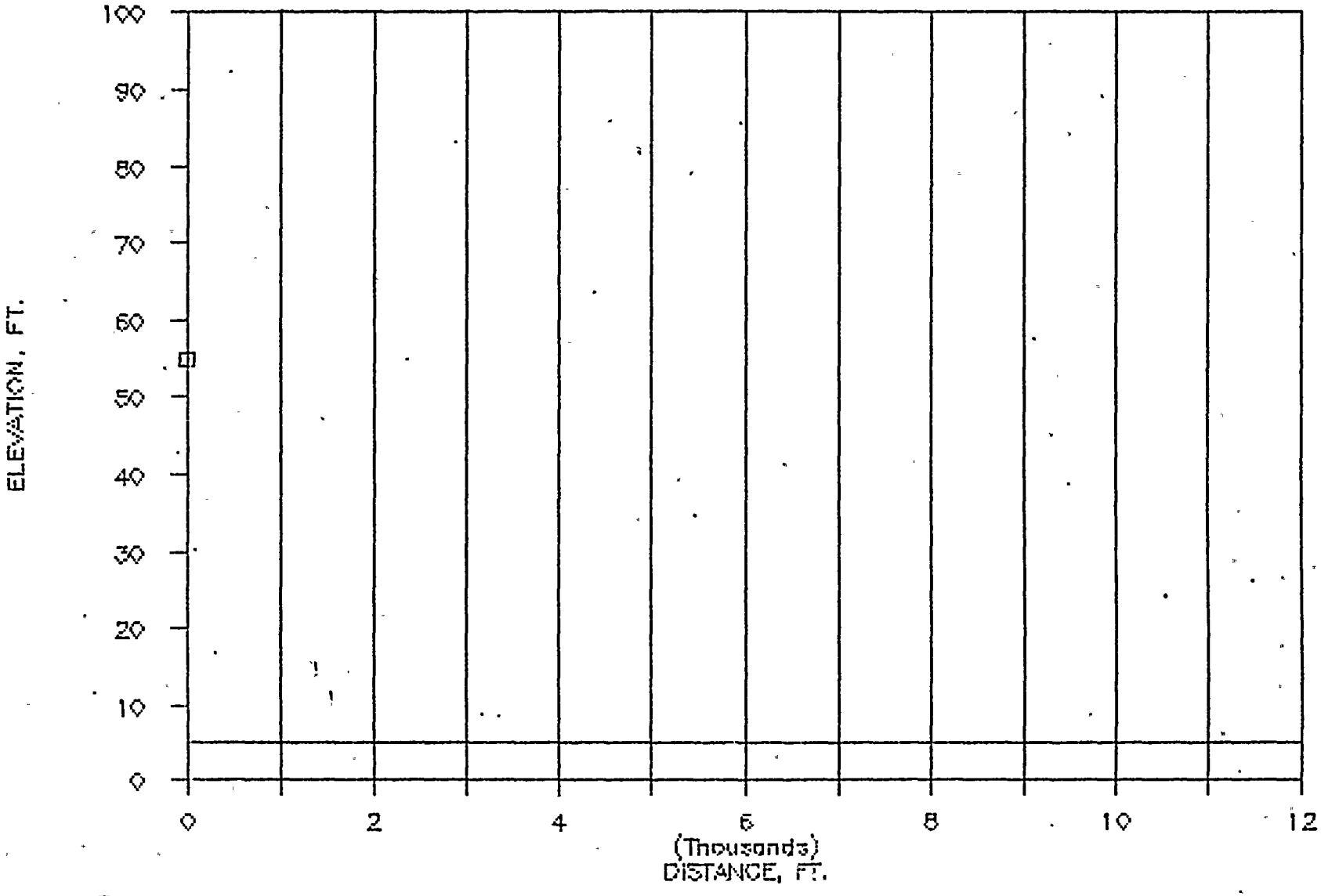
TURKEY POINT 25

AZIMUTH, NE

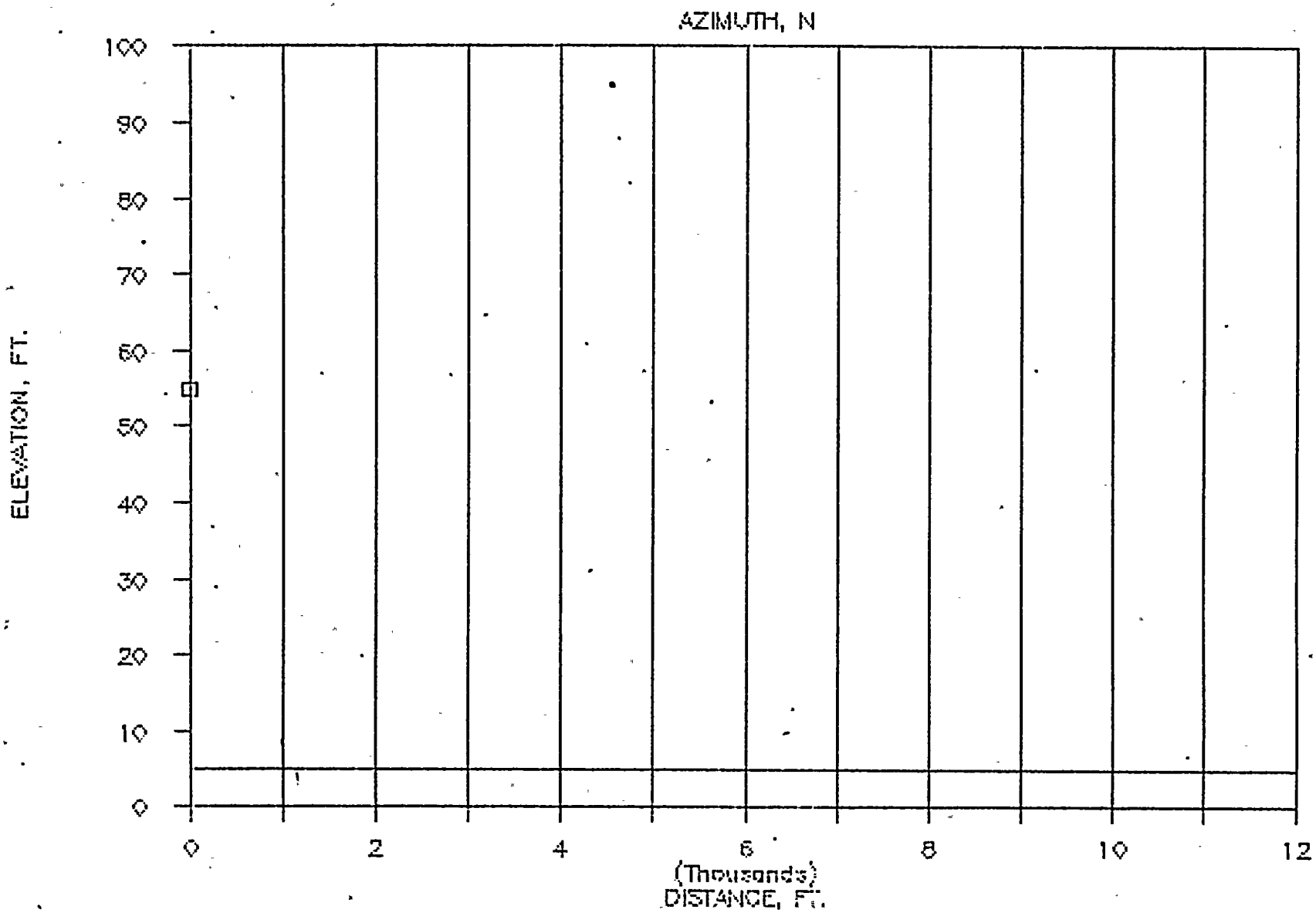


TURKEY POINT 25

AZIMUTH, NNE

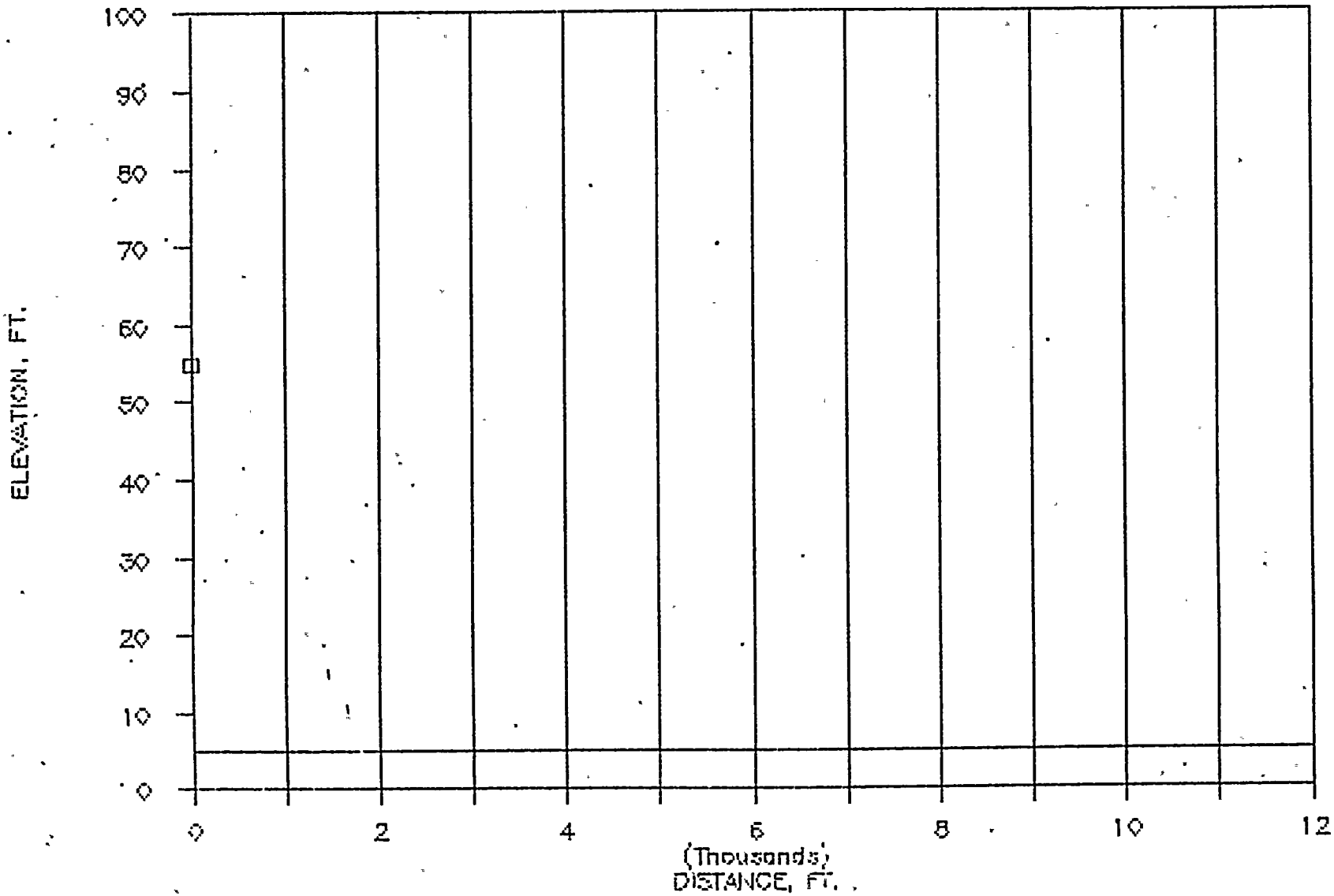


TURKEY POINT 25

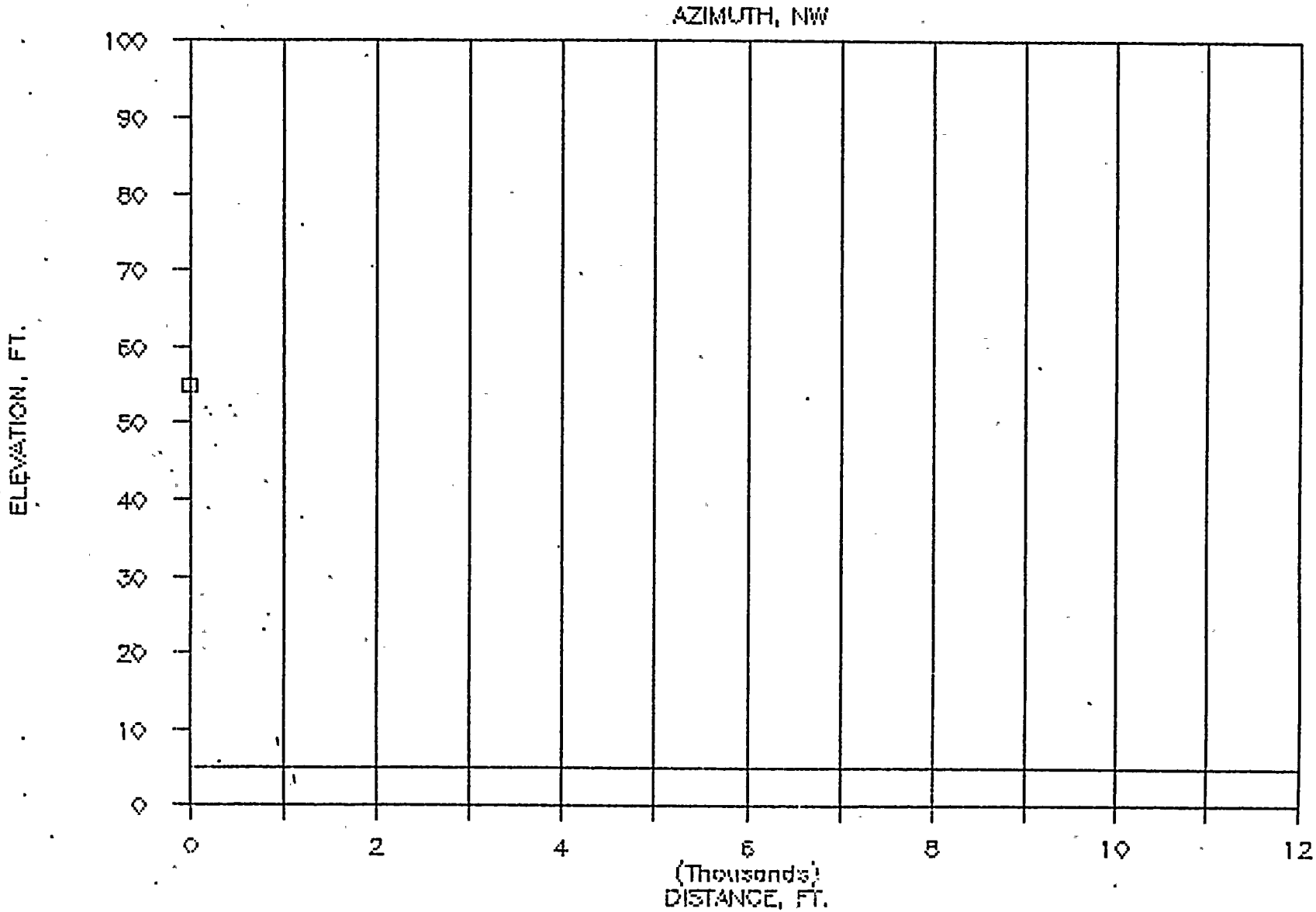


TURKEY POINT 25

AZIMUTH, NNW

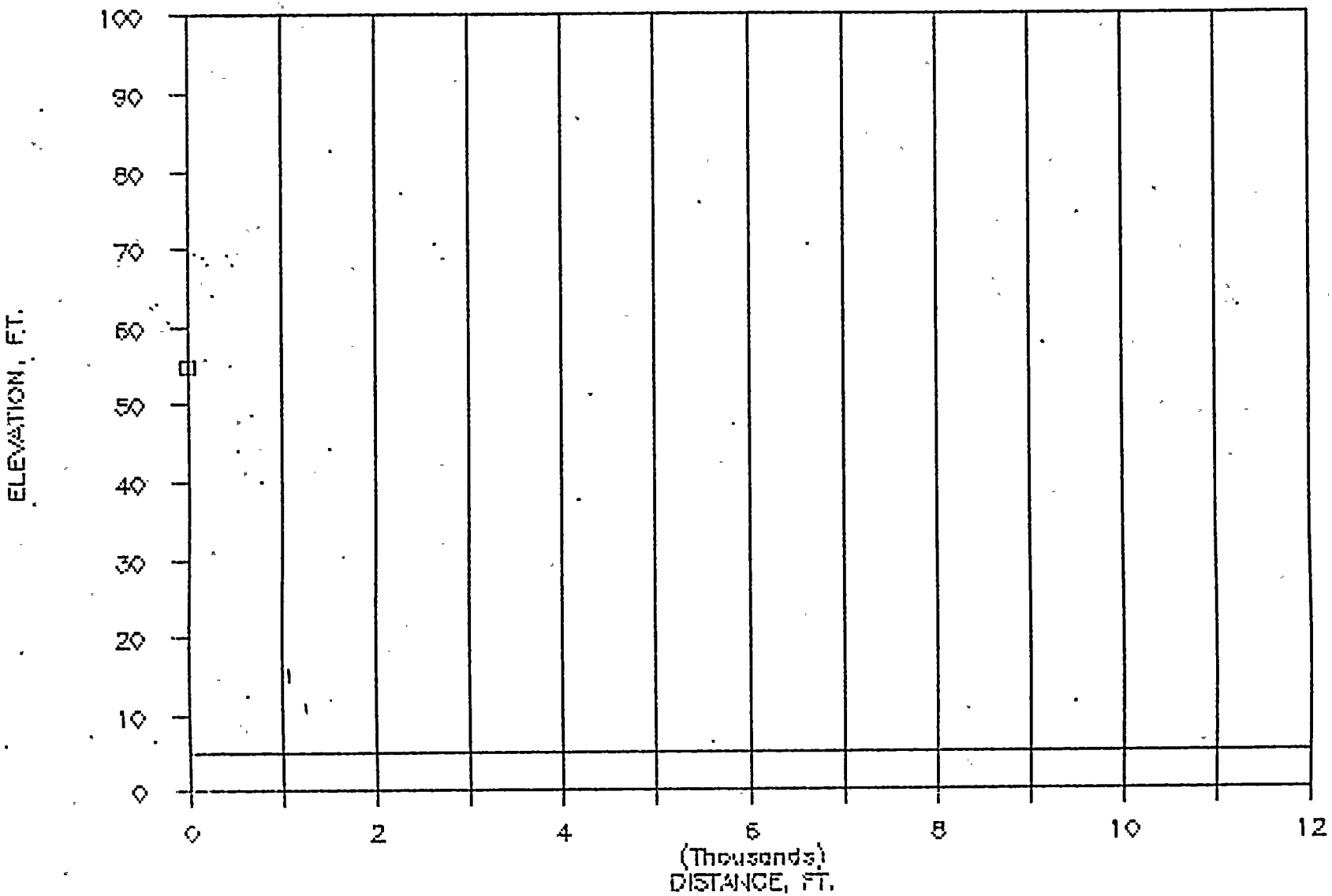


TURKEY POINT 25

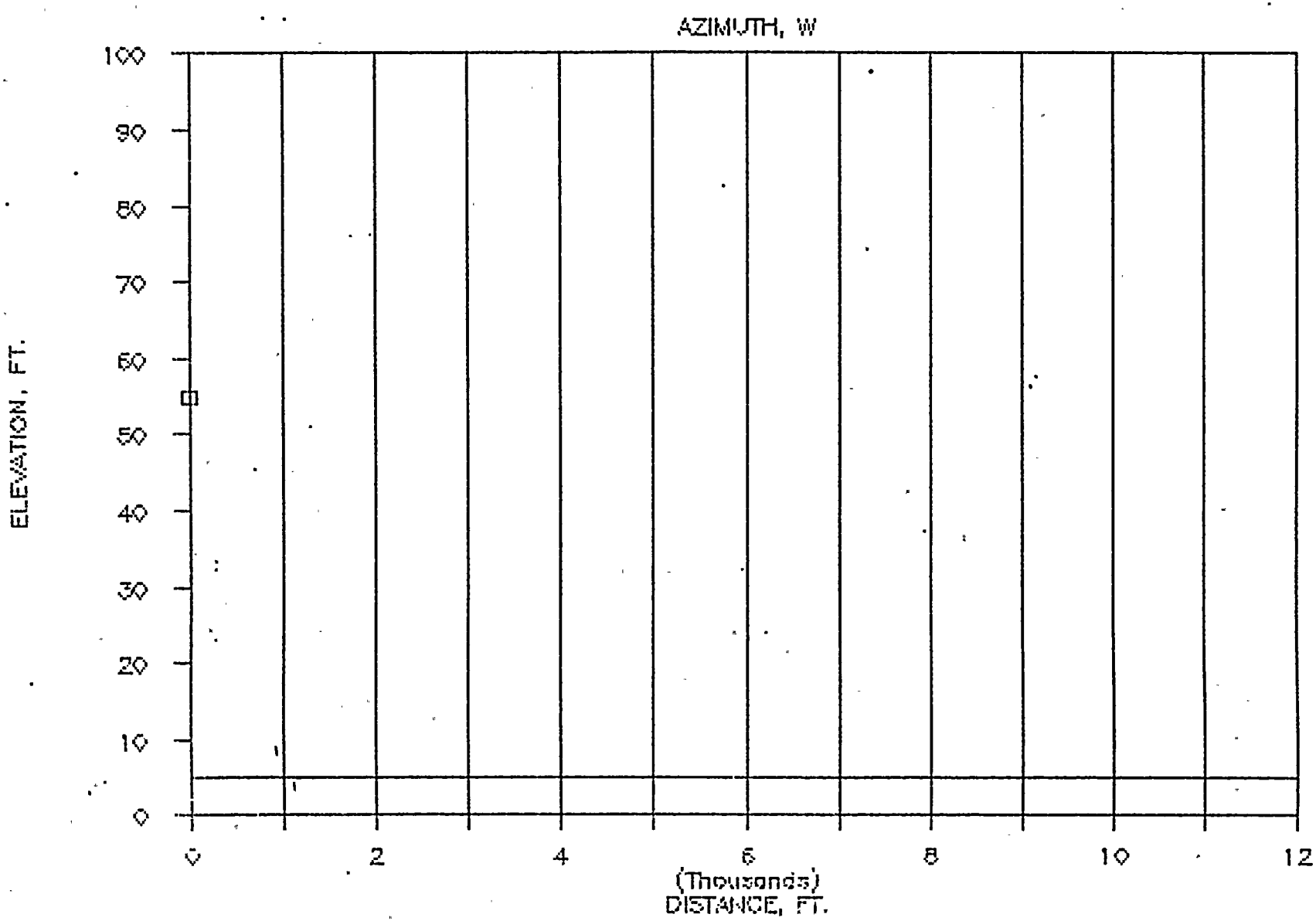


TURKEY POINT 25'

AZIMUTH, WNW

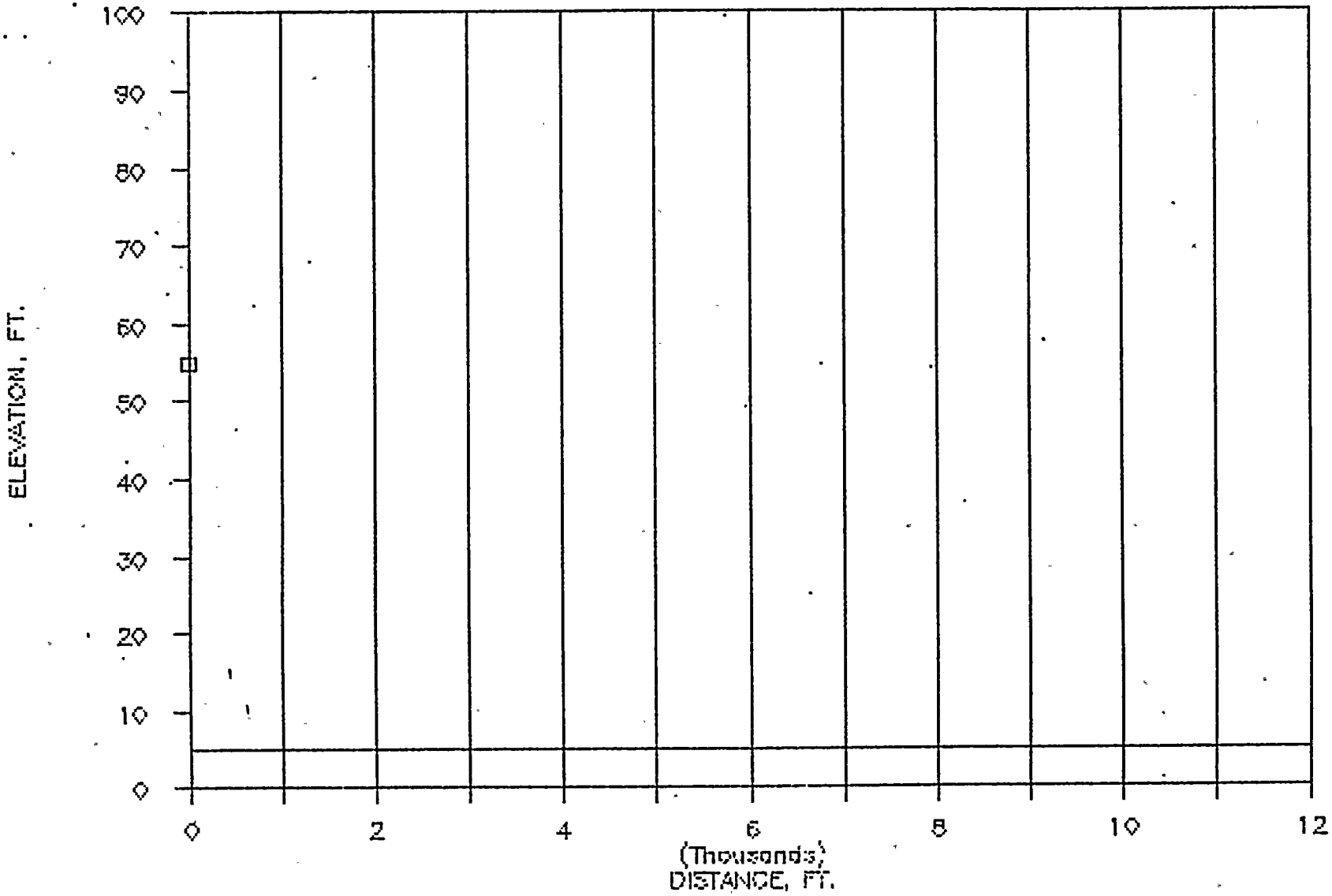


TURKEY POINT 25



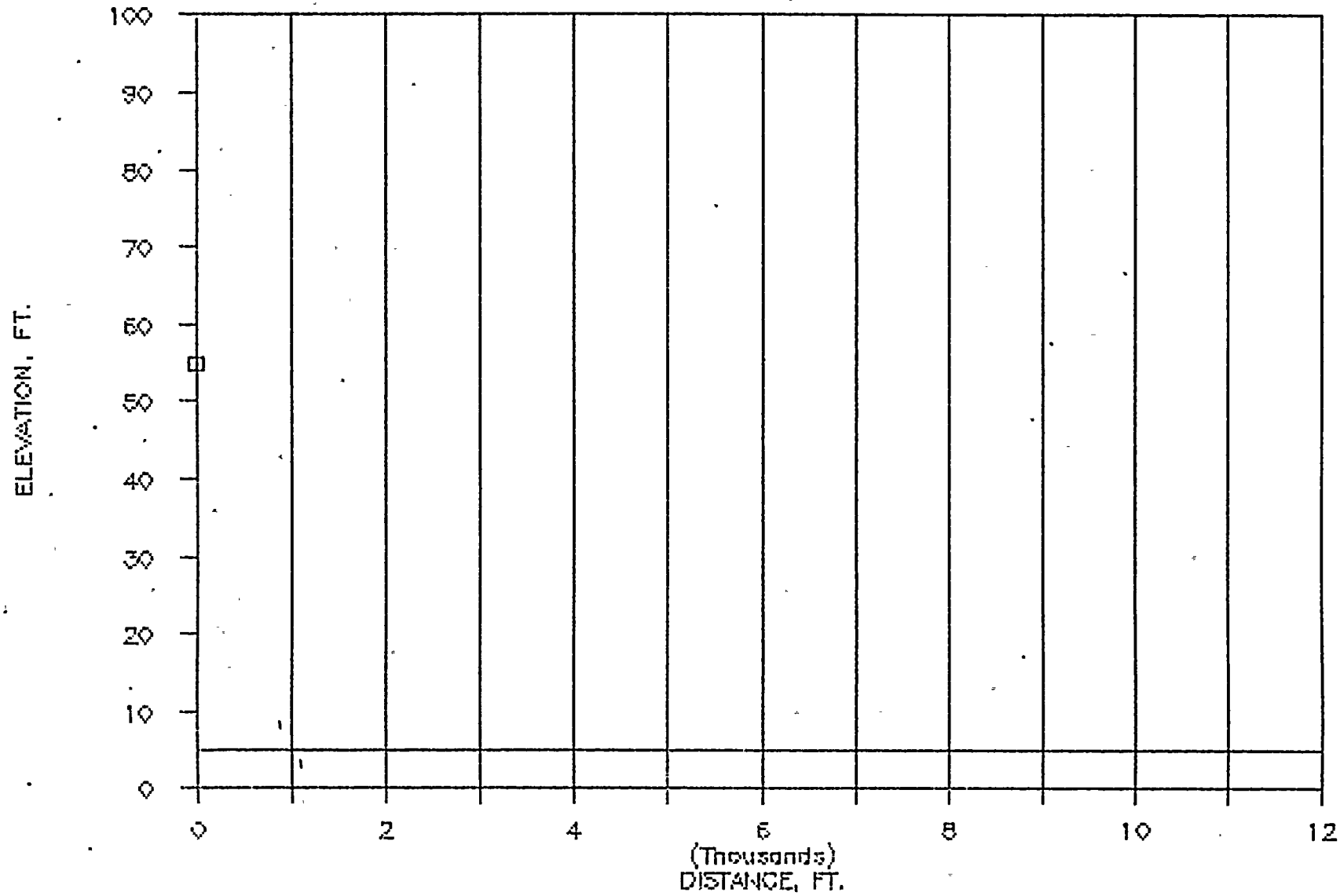
TURKEY POINT 25

AZIMUTH, WSW



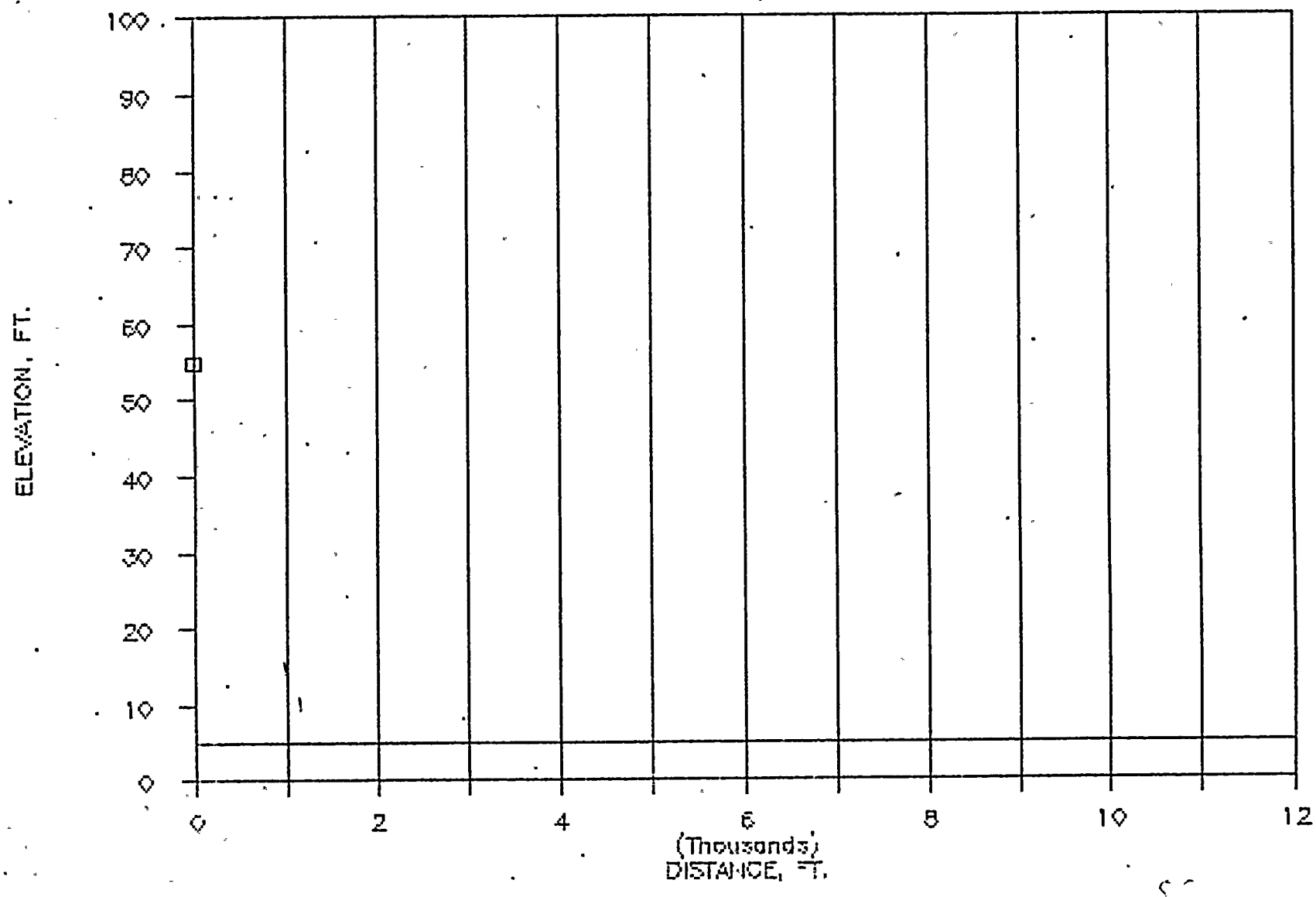
TURKEY POINT 25

AZIMUTH, SW



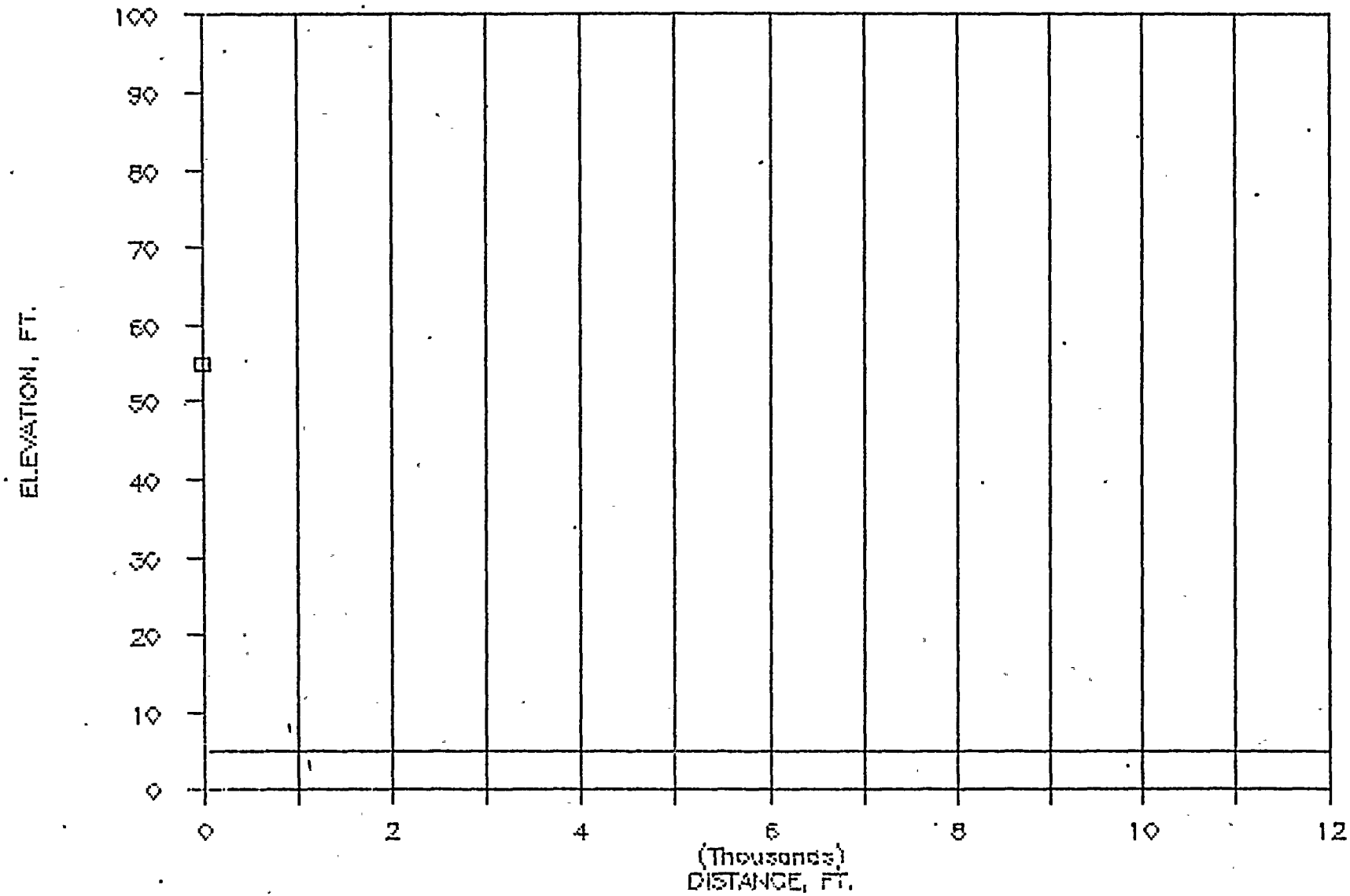
TURKEY POINT 25

AZIMUTH, SSW



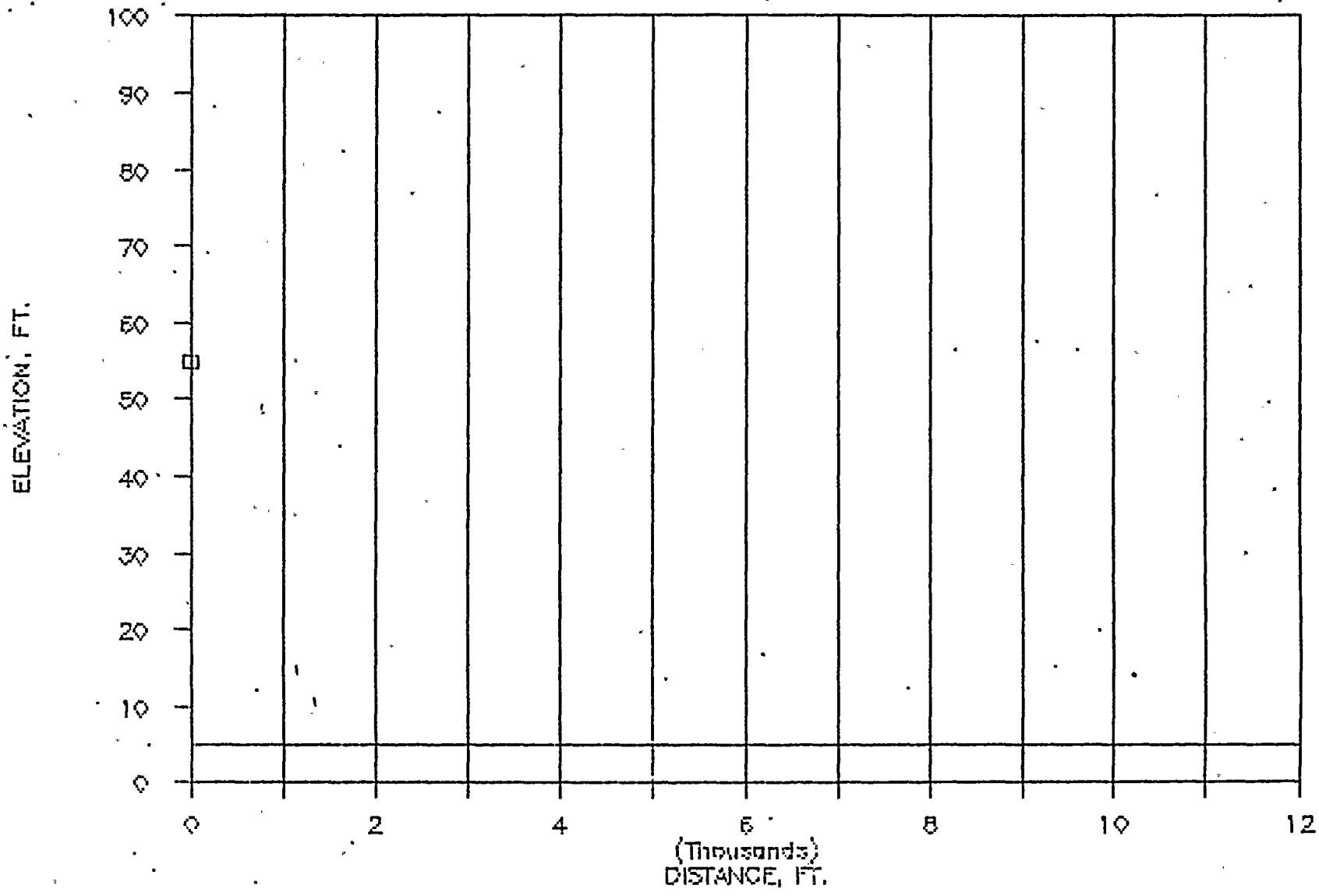
TURKEY POINT 25

AZIMUTH, S



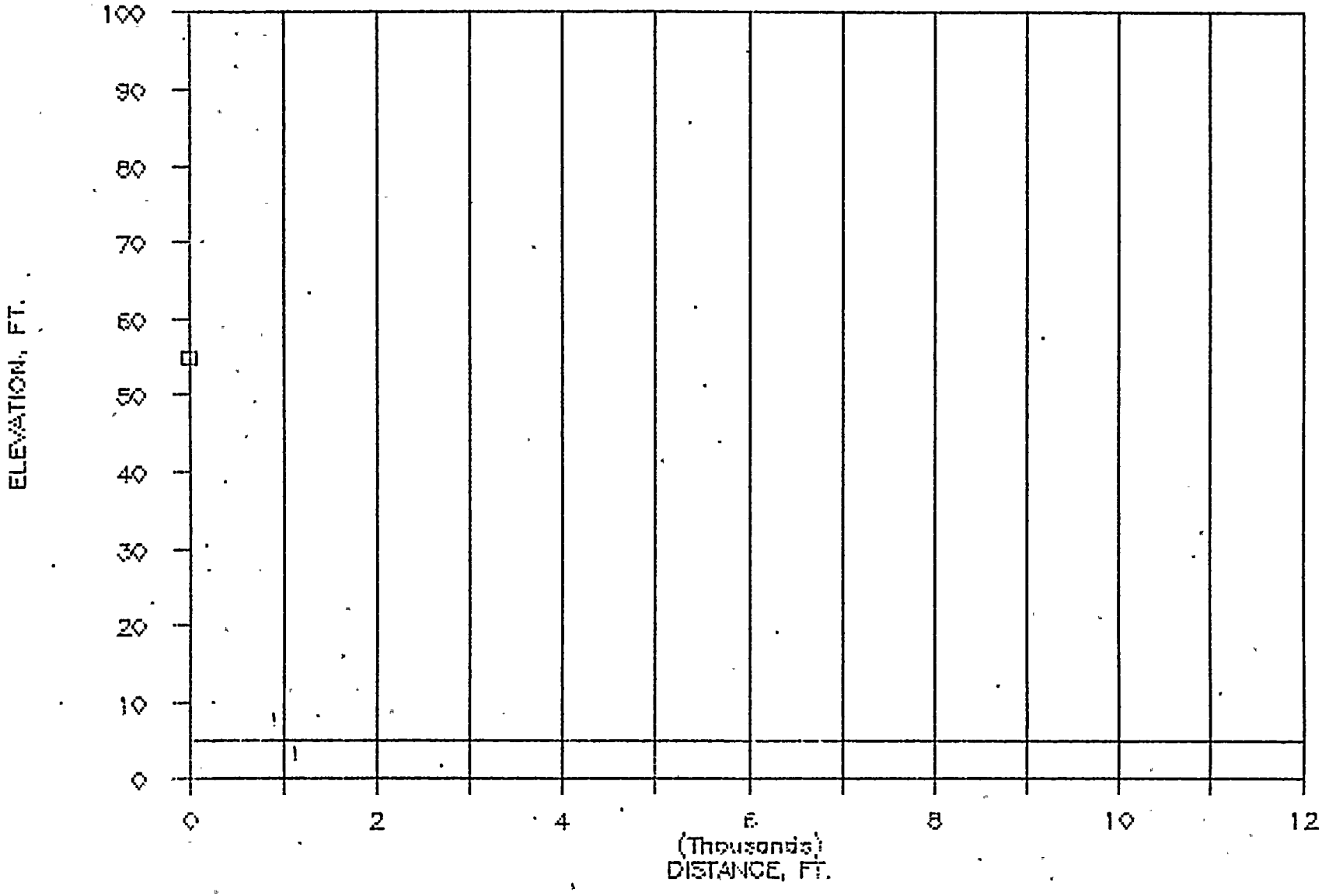
TURKEY POINT 25

AZIMUTH, SSE



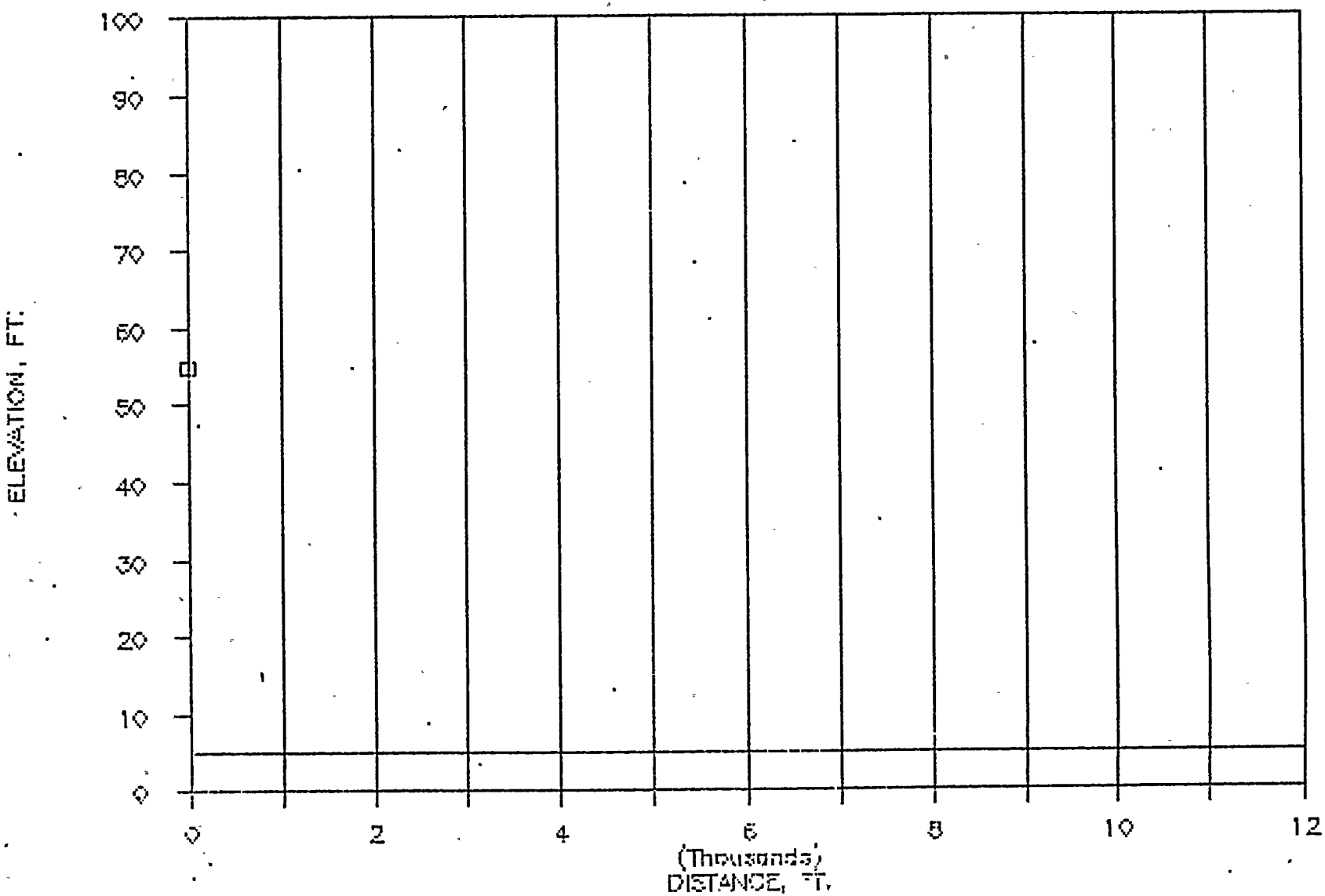
TURKEY POINT 25

AZIMUTH, SE



TURKEY POINT 25

AZIMUTH, ESE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #25-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITHRESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	5.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	5.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	5.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	5.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	5.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	5.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	5.00	SOFT	0.	NO	0.	0.
8	500.	67.50	5.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	5.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	5.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	5.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	5.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	5.00	SOFT	0.	NO	0.	0.
[illegible]	12000.	67.50	5.00	SOFT	0.	NO	0.	0.
[illegible]	500.	45.00	5.00	SOFT	0.	NO	0.	0.
[illegible]	1000.	45.00	5.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	5.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	5.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	5.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	5.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	5.00	SOFT	0.	NO	0.	0.
22	500.	22.50	5.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	5.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	5.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	5.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	5.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	5.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	5.00	SOFT	0.	NO	0.	0.
29	500.	.00	5.00	SOFT	0.	NO	0.	0.
30	1000.	.00	5.00	SOFT	0.	NO	0.	0.
31	2000.	.00	5.00	SOFT	0.	NO	0.	0.
32	4000.	.00	5.00	SOFT	0.	NO	0.	0.
33	6000.	.00	5.00	SOFT	0.	NO	0.	0.
34	8000.	.00	5.00	SOFT	0.	NO	0.	0.
35	12000.	.00	5.00	SOFT	0.	NO	0.	0.
36	500.	337.50	5.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	5.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	5.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	5.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	5.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	5.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	5.00	SOFT	0.	NO	0.	0.
43	500.	315.00	5.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	5.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	5.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	5.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	5.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	5.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	5.00	SOFT	0.	NO	0.	0.
50	500.	292.50	5.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	5.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	5.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	5.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	5.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	5.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	5.00	SOFT	0.	NO	0.	0.
57	500.	270.00	5.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	5.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	5.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	5.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	5.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	5.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	5.00	SOFT	0.	NO	0.	0.
64	500.	247.50	5.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	5.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	5.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	5.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	5.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	5.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	5.00	SOFT	0.	NO	0.	0.
71	500.	225.00	5.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	5.00	SOFT	0.	NO	0.	0.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	5.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	5.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	5.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	5.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	5.00	SOFT	0.	NO	0.	0.
78	500.	202.50	5.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	5.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	5.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	5.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	5.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	5.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	5.00	SOFT	0.	NO	0.	0.
85	500.	180.00	5.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	5.00	SOFT	0.	NO	0.	0.
87	2000.	180.00	5.00	SOFT	0.	NO	0.	0.
88	4000.	180.00	5.00	SOFT	0.	NO	0.	0.
89	6000.	180.00	5.00	SOFT	0.	NO	0.	0.
90	8000.	180.00	5.00	SOFT	0.	NO	0.	0.
91	12000.	180.00	5.00	SOFT	0.	NO	0.	0.
92	500.	157.50	5.00	SOFT	0.	NO	0.	0.
93	1000.	157.50	5.00	SOFT	0.	NO	0.	0.
94	2000.	157.50	5.00	SOFT	0.	NO	0.	0.
95	4000.	157.50	5.00	SOFT	0.	NO	0.	0.
96	6000.	157.50	5.00	SOFT	0.	NO	0.	0.
97	8000.	157.50	5.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	5.00	SOFT	0.	NO	0.	0.
99	500.	135.00	5.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	5.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	5.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	5.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	5.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	5.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	5.00	SOFT	0.	NO	0.	0.
106	500.	112.50	5.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	5.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	5.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	5.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	5.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	5.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	5.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #25-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 5.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #25-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.00 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE-MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #25-WS3000

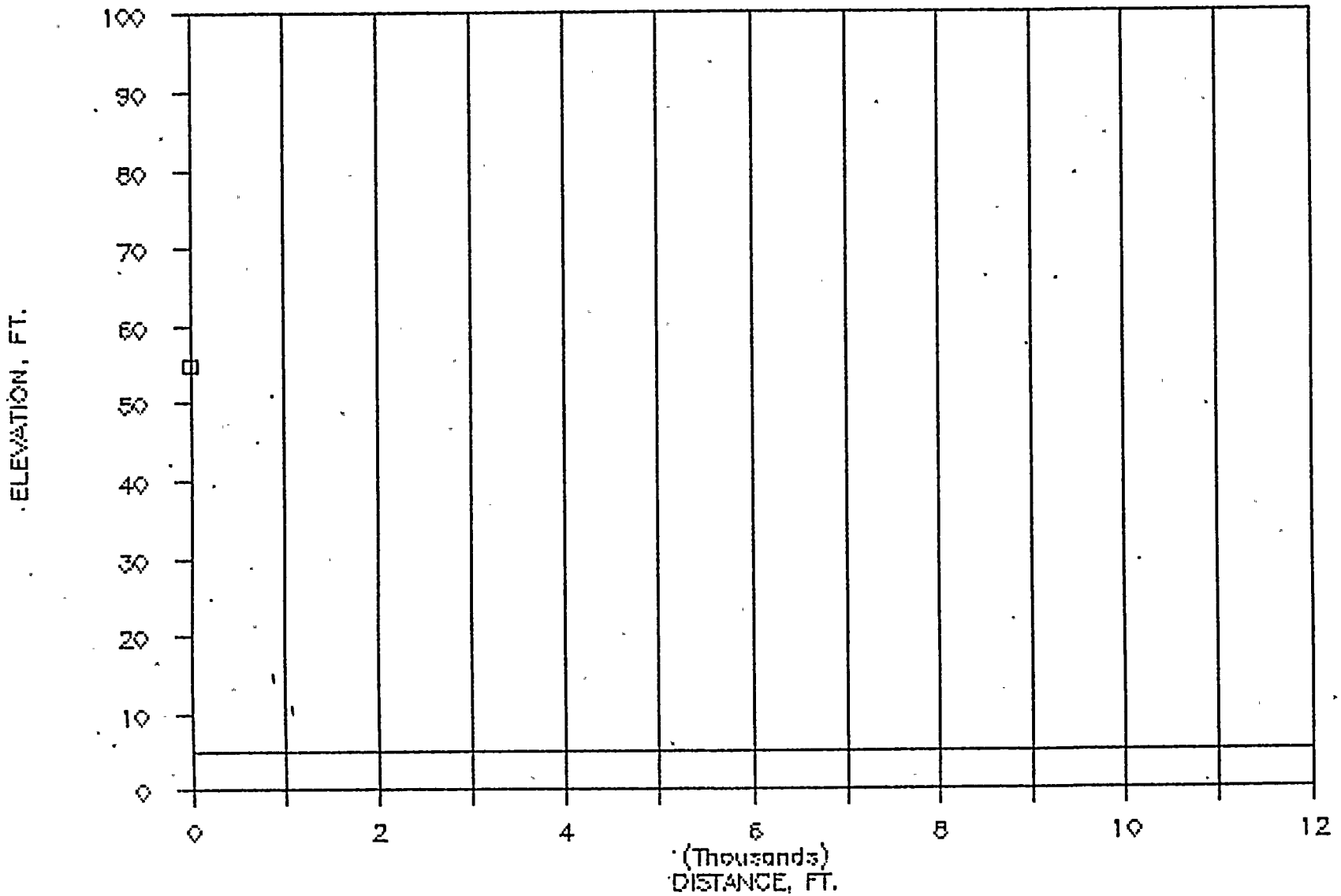
SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	95.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	92.	70.	45.	40.	36.	29.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	91.	69.	45.	40.	36.	29.

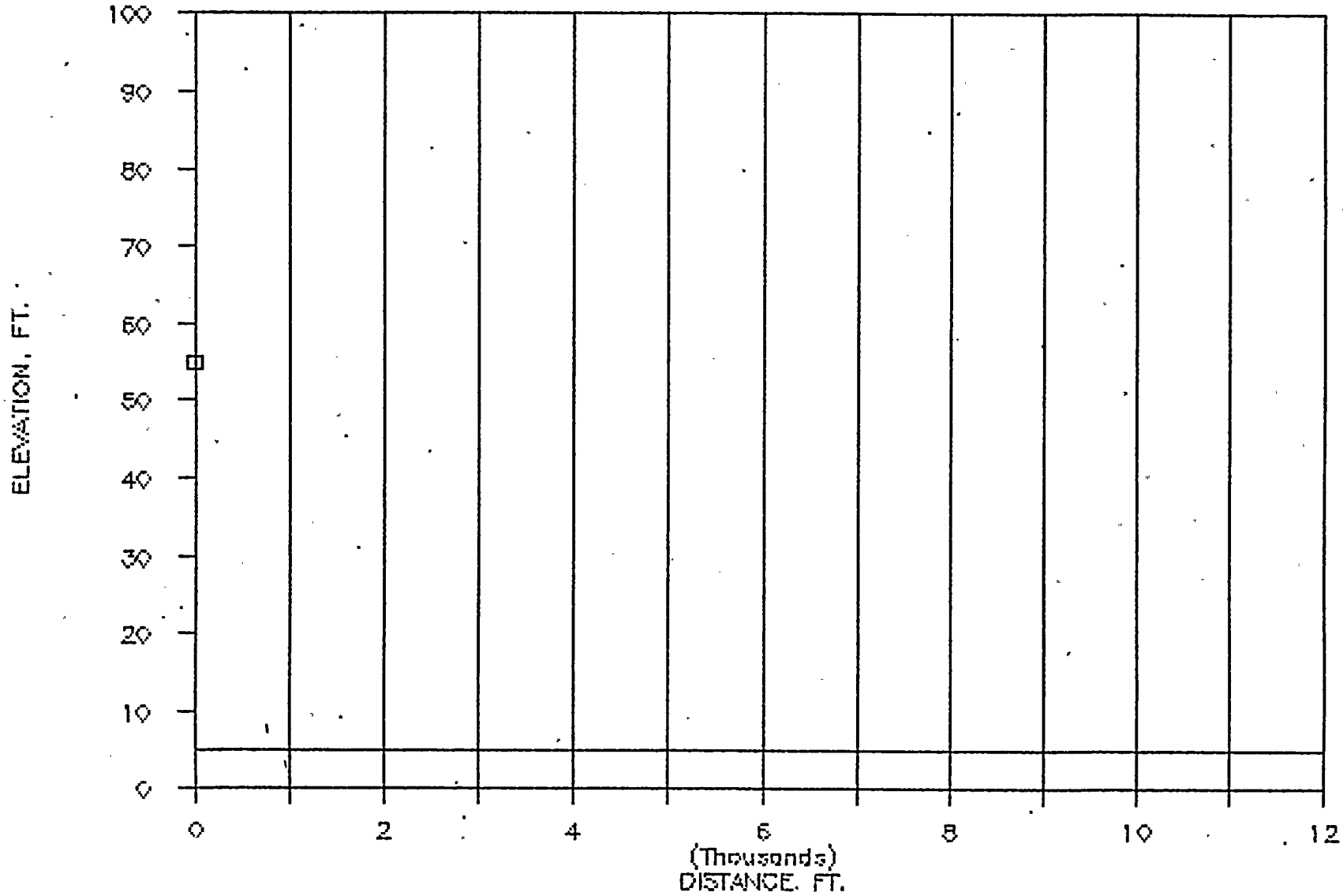
TURKEY POINT 26

AZIMUTH, E



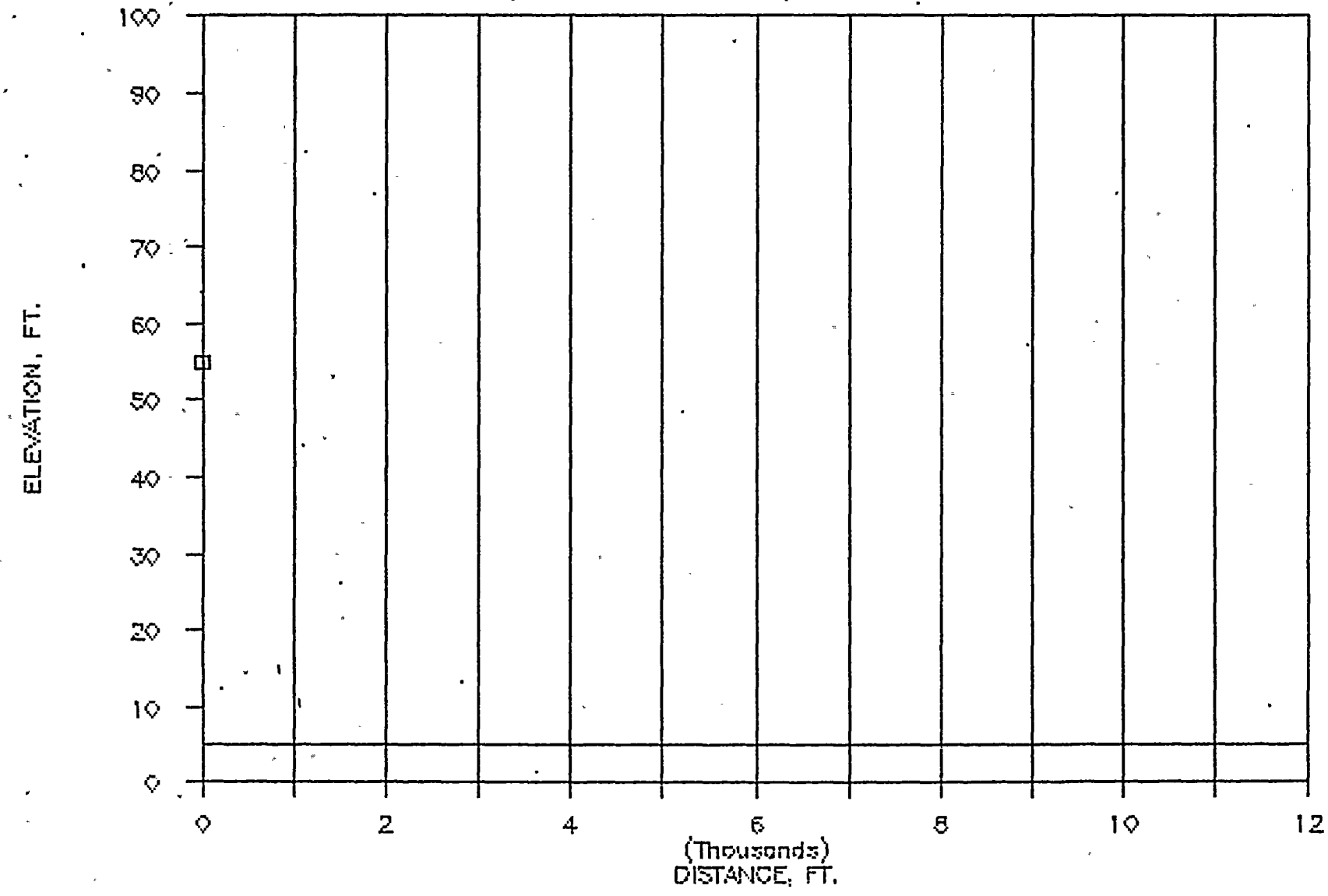
TURKEY POINT 26

AZIMUTH, ENE



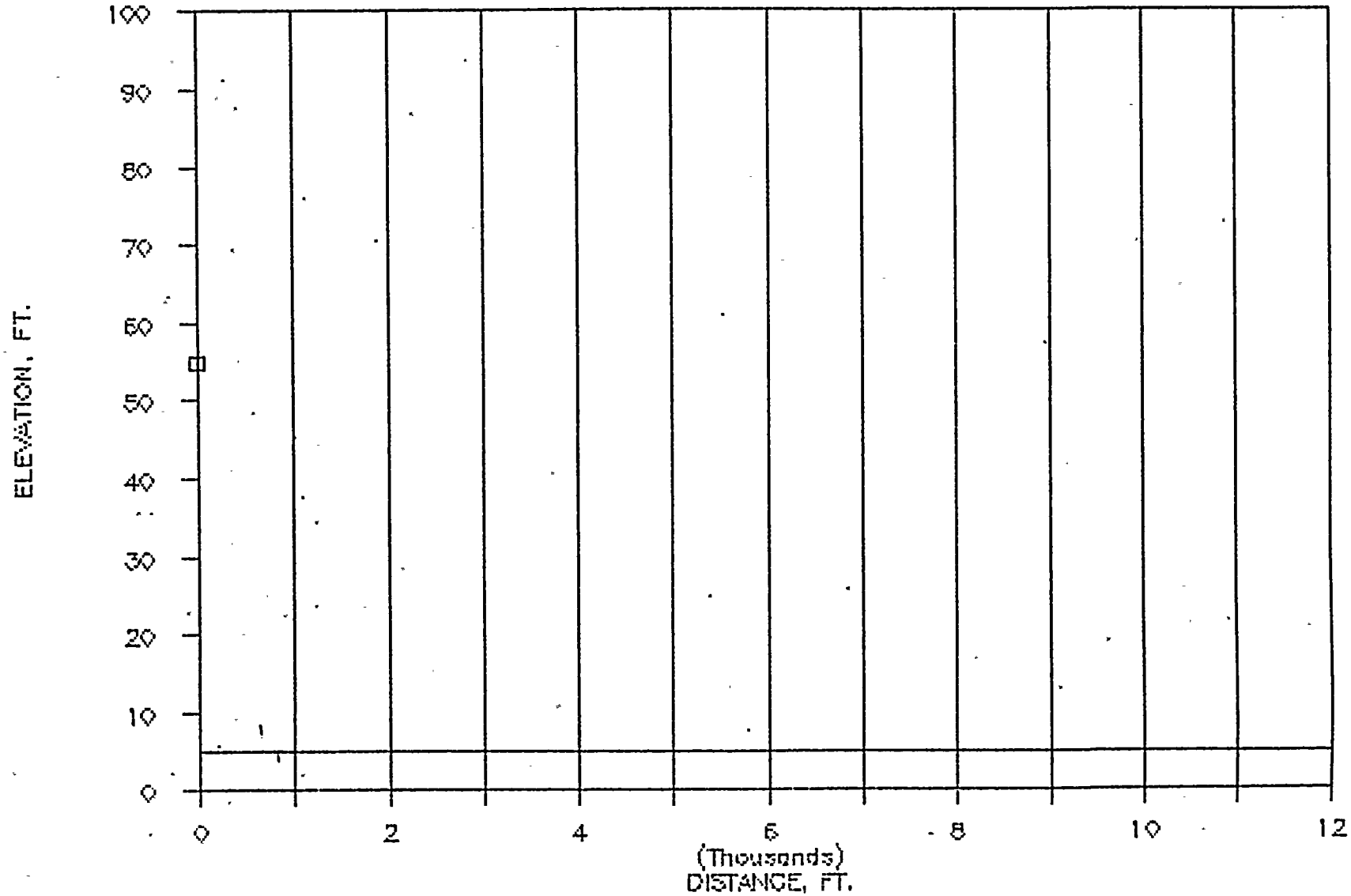
TURKEY POINT 26

AZIMUTH, NE



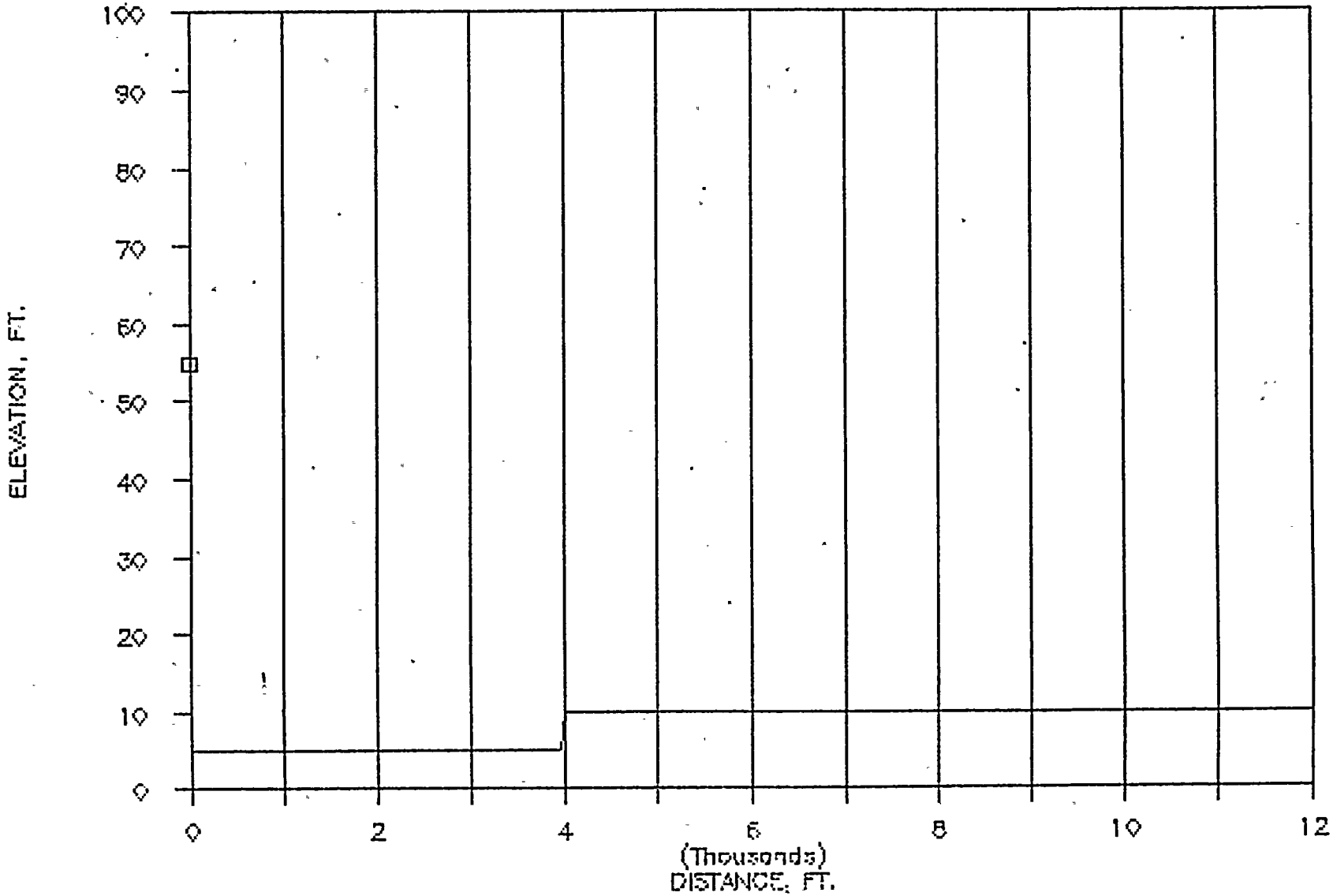
TURKEY POINT 26

AZIMUTH, NNE



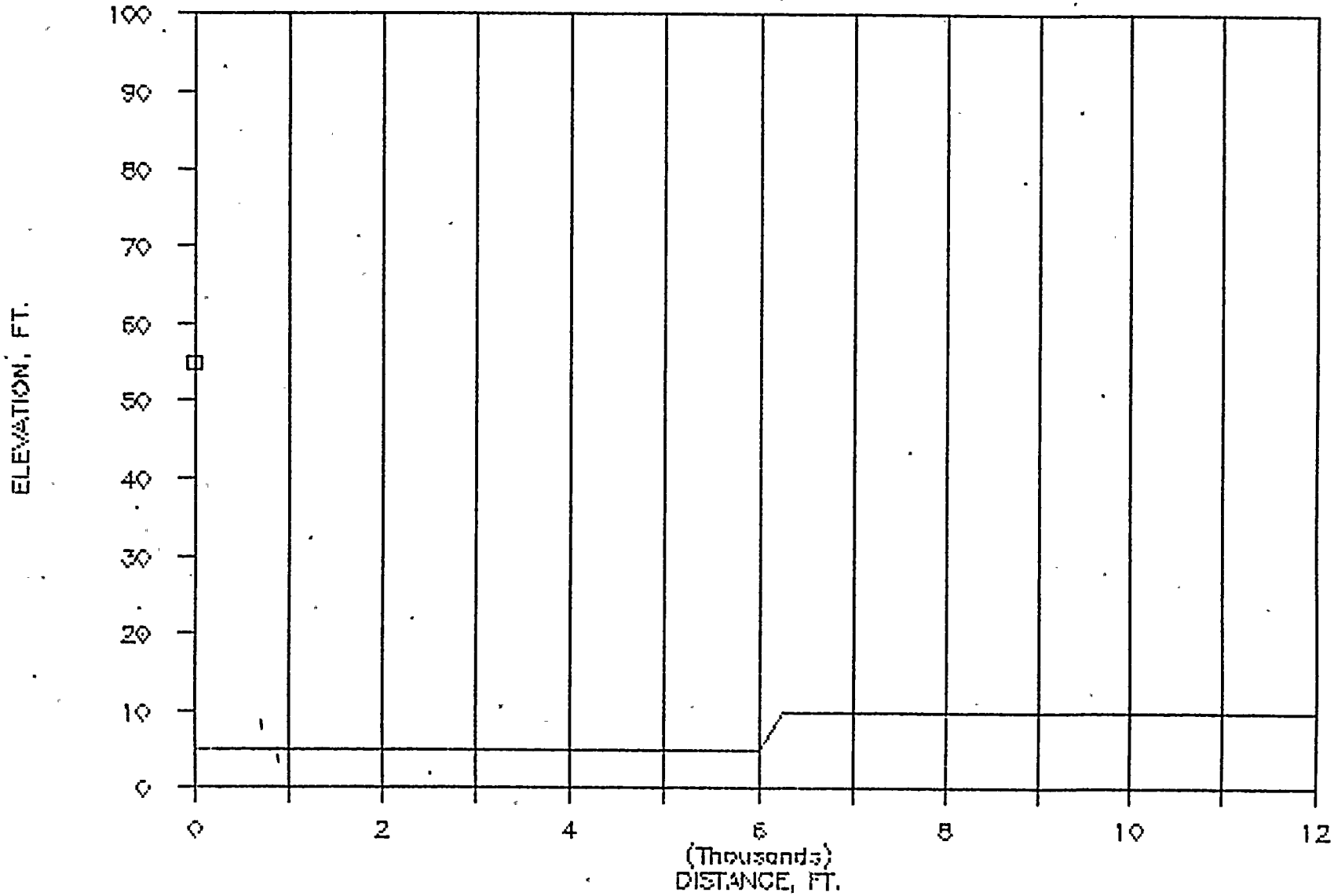
TURKEY POINT 26

AZIMUTH, N



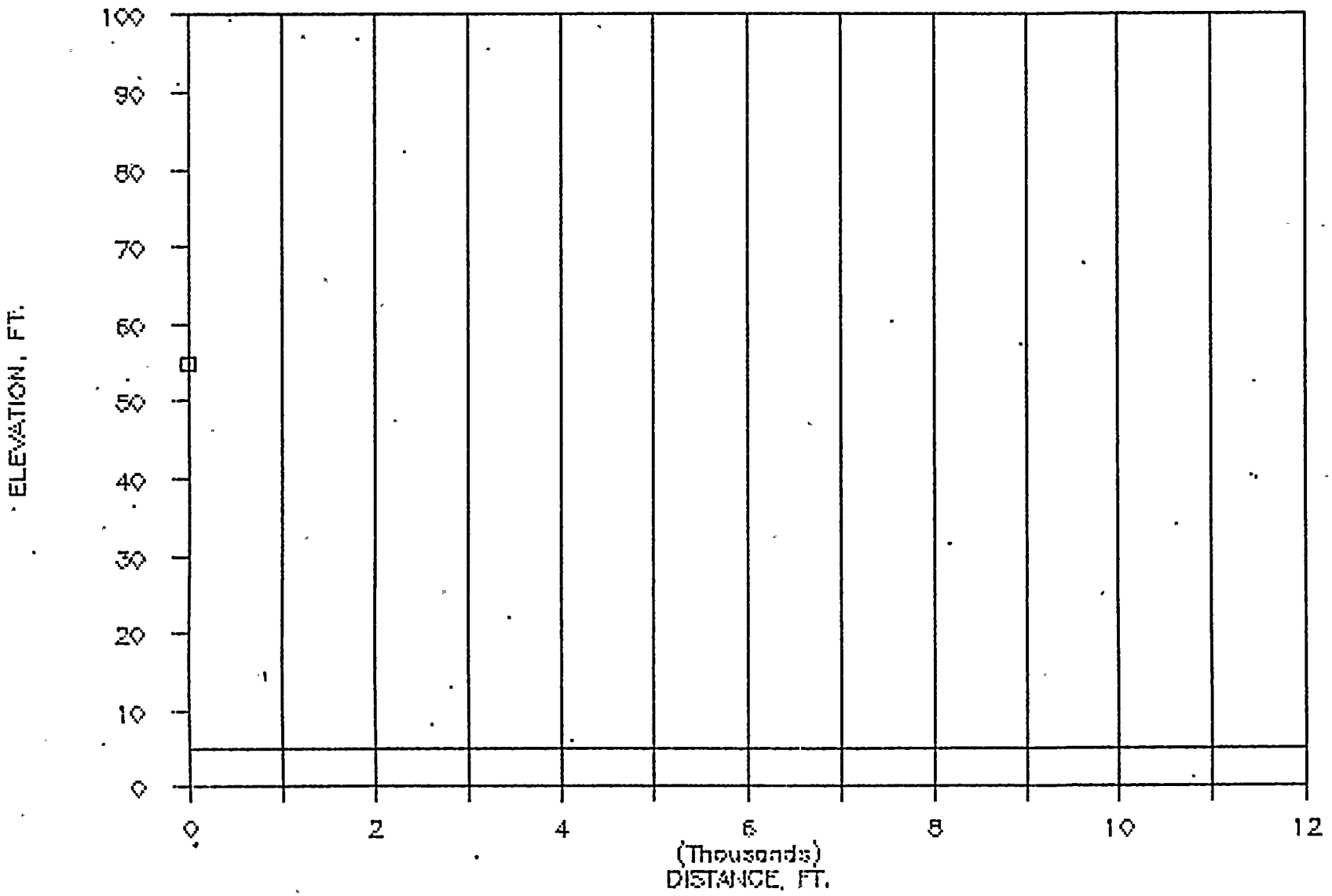
TURKEY POINT 26

AZIMUTH, NNW



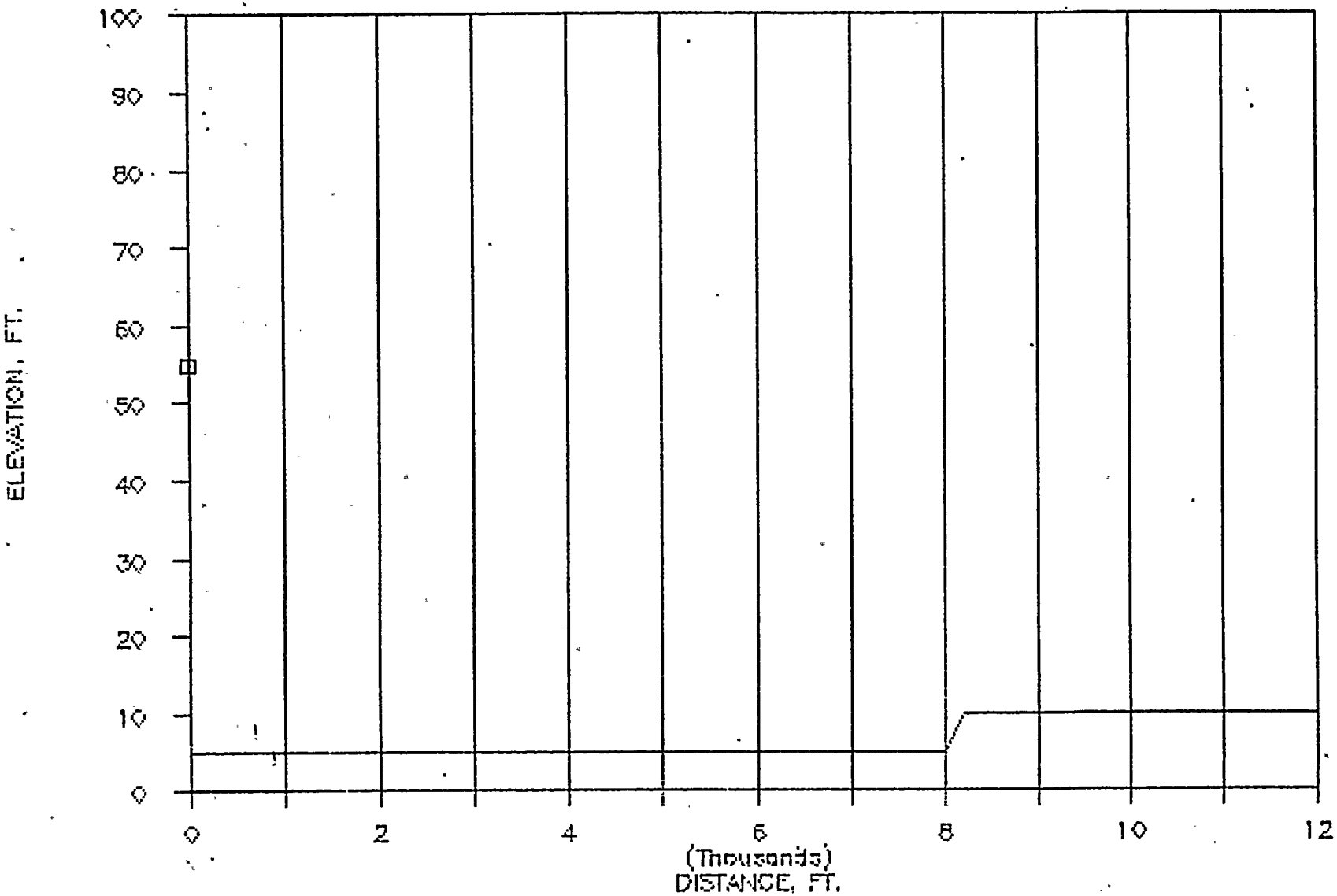
TURKEY POINT 26

AZIMUTH, NW



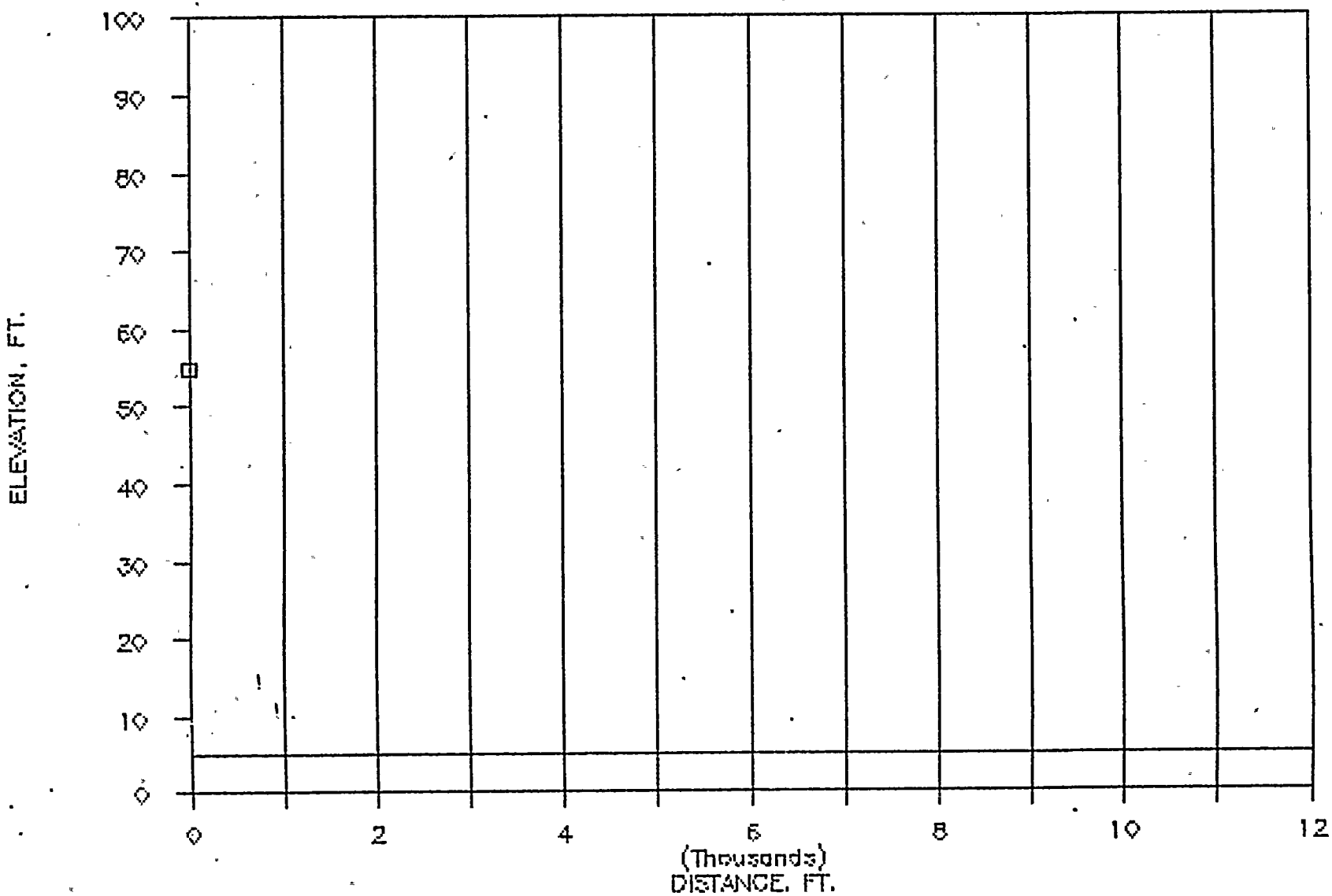
TURKEY POINT 26

AZIMUTH, WNW



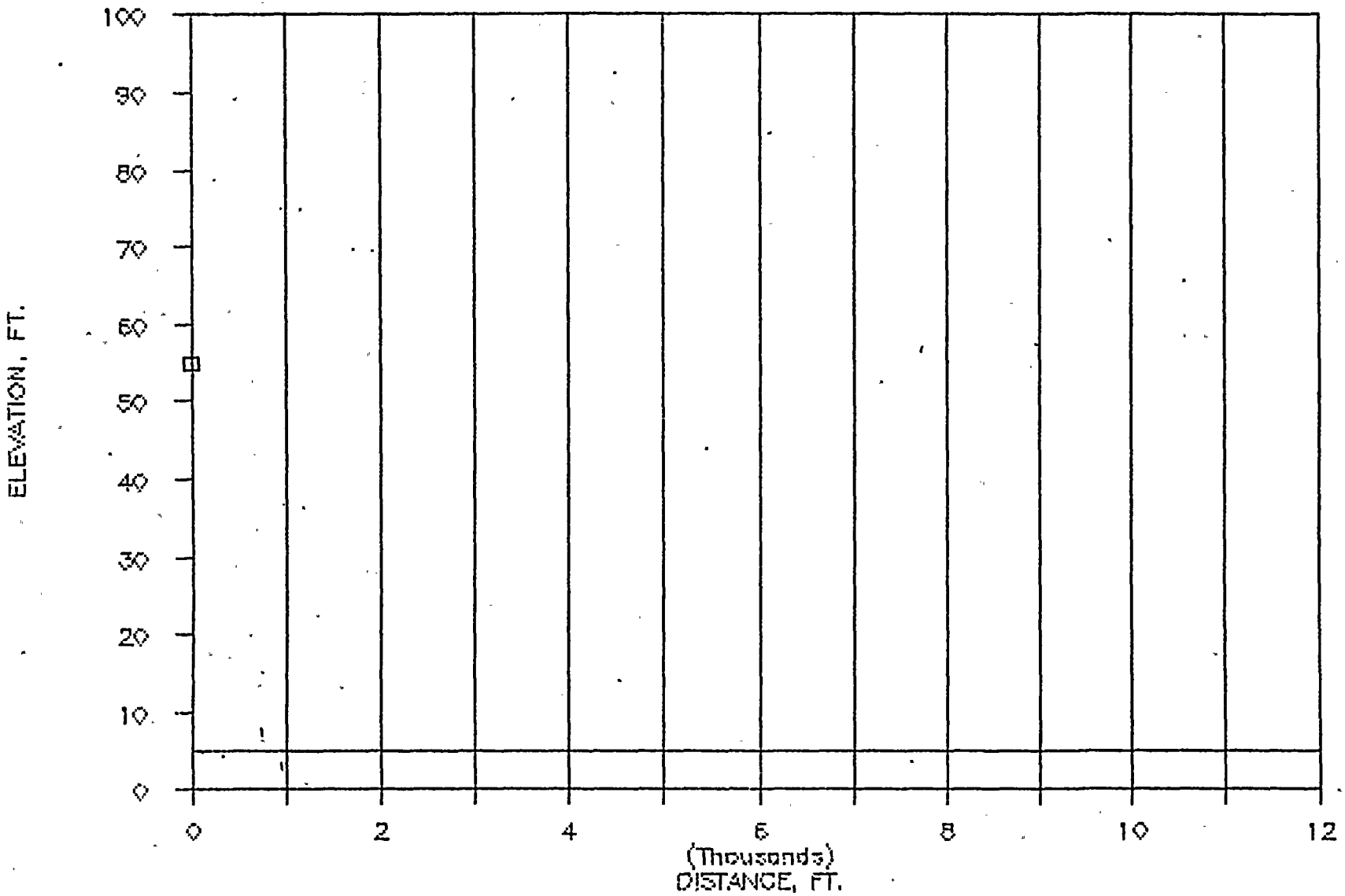
TURKEY POINT 26

AZIMUTH, W



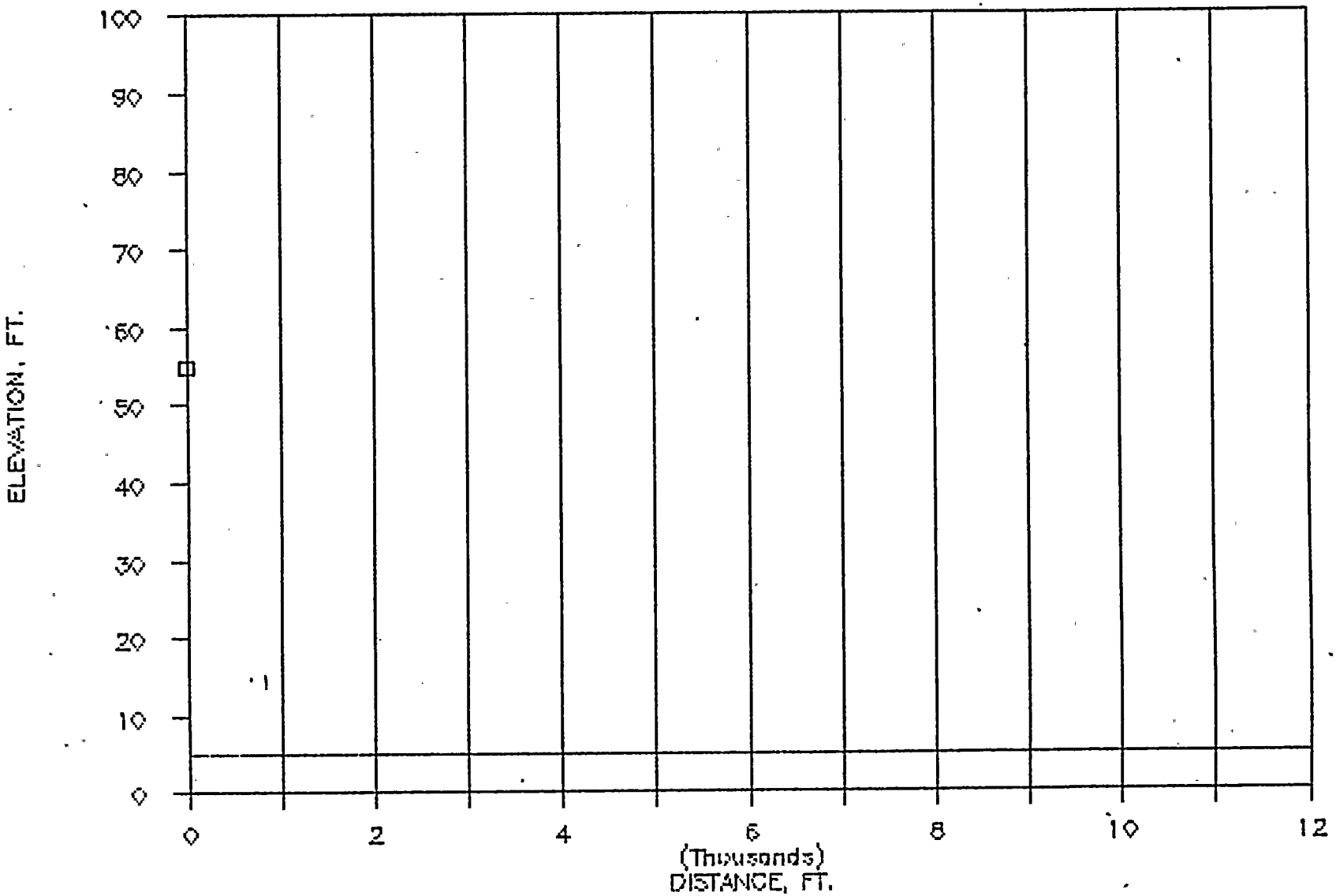
TURKEY POINT 26

AZIMUTH, WSW



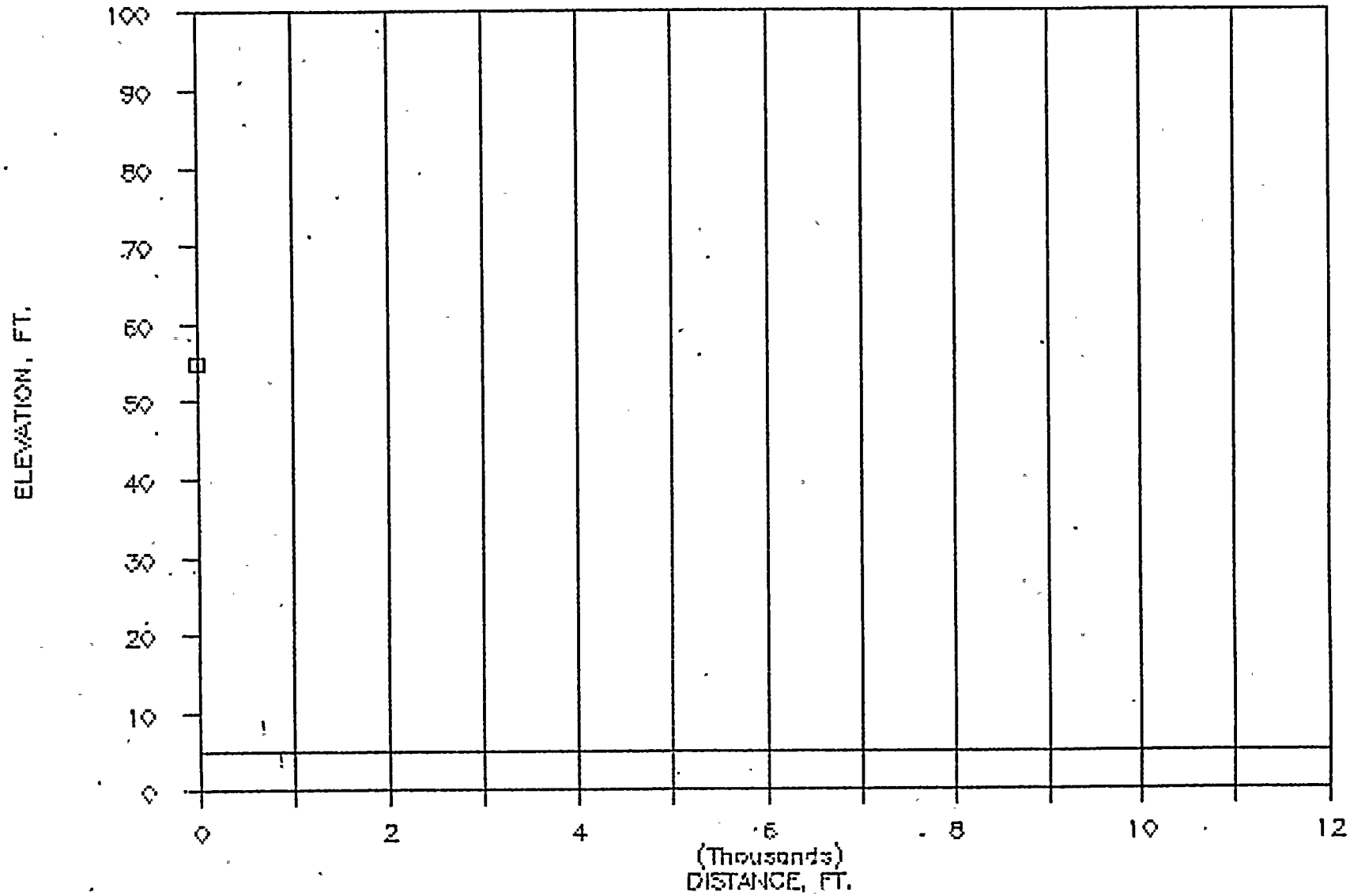
TURKEY POINT 26

AZIMUTH, SW



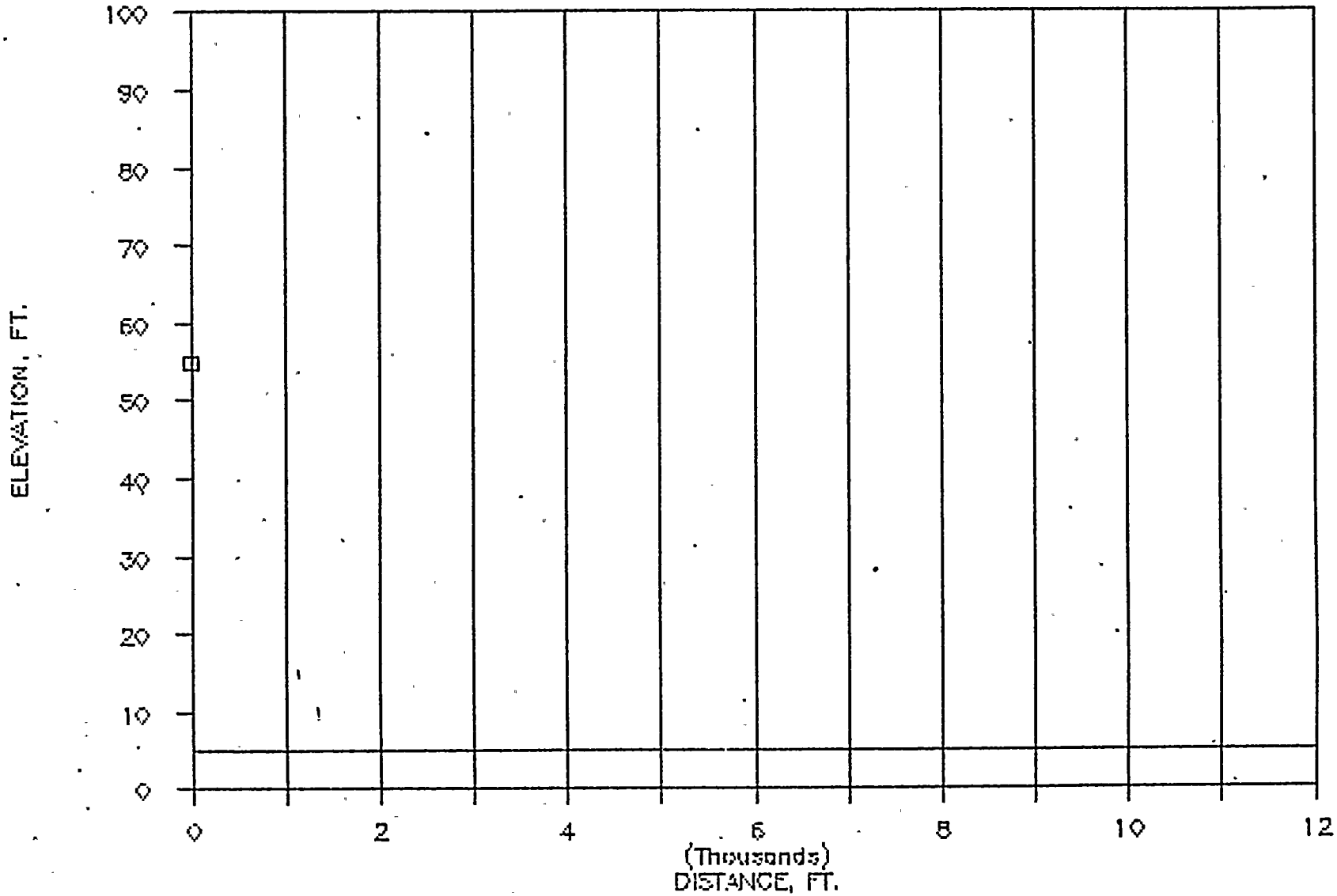
TURKEY POINT 26

AZIMUTH, SSW



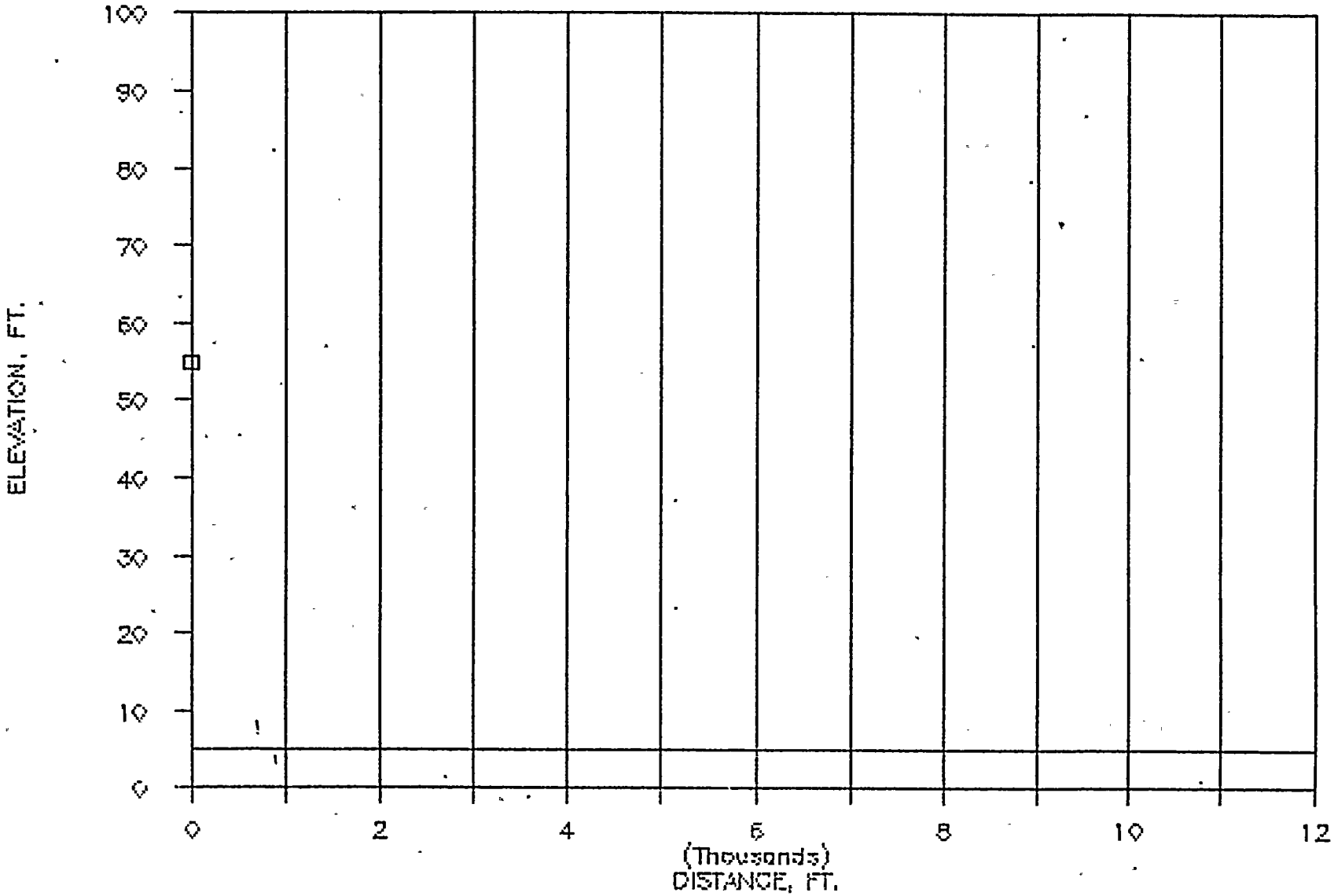
TURKEY POINT 26

AZIMUTH, S



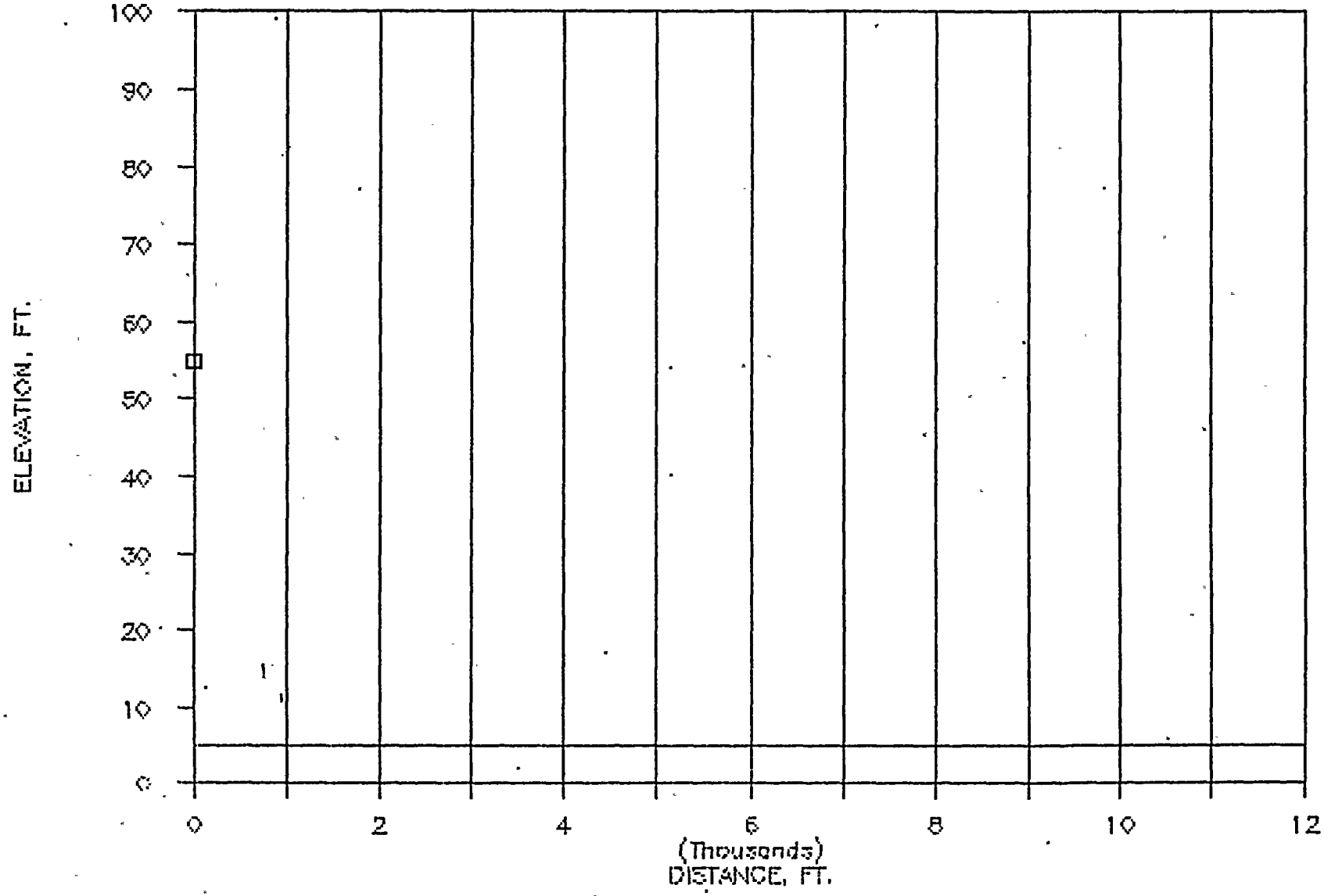
TURKEY POINT 26

AZIMUTH, SSE



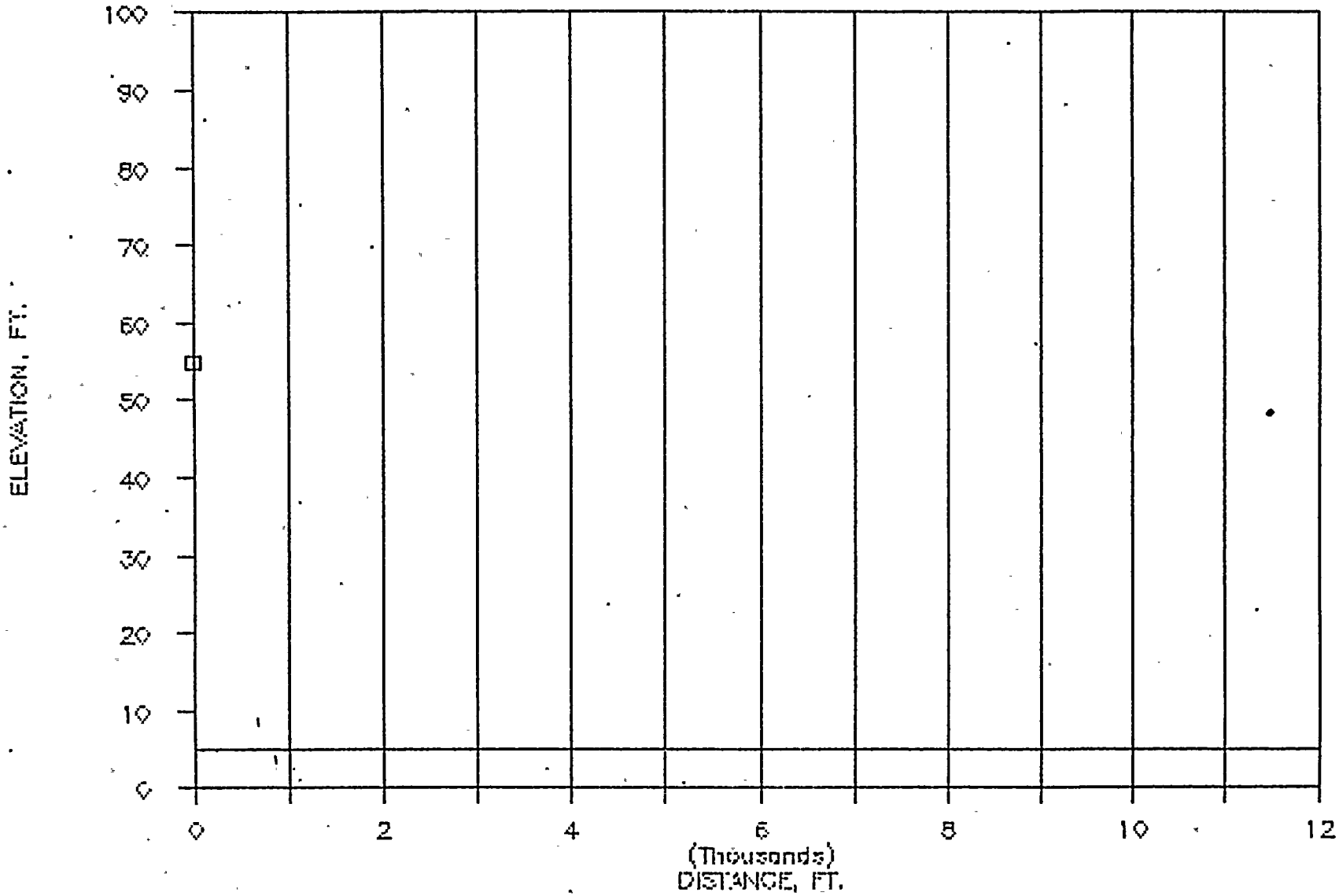
TURKEY POINT 26

AZIMUTH, SE



TURKEY POINT 26

AZIMUTH, ESE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #26-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	5.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	5.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	5.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	5.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	5.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	5.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	5.00	SOFT	0.	NO	0.	0.
8	500.	67.50	5.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	5.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	5.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	5.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	5.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	5.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	5.00	SOFT	0.	NO	0.	0.
15	500.	45.00	5.00	SOFT	0.	NO	0.	0.
16	1000.	45.00	5.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	5.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	5.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	5.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	5.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	5.00	SOFT	0.	NO	0.	0.
22	500.	22.50	5.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	5.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	5.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	5.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	5.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	5.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	5.00	SOFT	0.	NO	0.	0.
29	500.	.00	5.00	SOFT	0.	NO	0.	0.
30	1000.	.00	5.00	SOFT	0.	NO	0.	0.
31	2000.	.00	5.00	SOFT	0.	NO	0.	0.
32	4000.	.00	10.00	SOFT	0.	NO	0.	0.
33	6000.	.00	10.00	SOFT	0.	NO	0.	0.
34	8000.	.00	10.00	SOFT	0.	NO	0.	0.
35	12000.	.00	10.00	SOFT	0.	NO	0.	0.
36	500.	337.50	5.00	SOFT	0.	NO	0.	0.

APPENDIX B

SAMPLE SIZE DETERMINATION

The number of households that need to be surveyed is determined based upon the need to obtain a sample size sufficient to obtain a 95% confidence interval with precision (half-width) of 0.05 for the estimate of the proportion alerted. The exact number of households to be surveyed can be derived from the following statistical considerations. For relatively large sample sizes ($n \geq 30$), taken without replacement from a population (N), the sampling distribution for proportions (e.g., the proportion of the population alerted) is nearly a normal distribution, the mean of which is the proportion (p) of the population alerted and the variance of which is

$$p(1 - p)/n \left(\frac{N - n}{N - 1}\right)$$

If P is the observed sample proportion, then for a particular confidence level with confidence coefficient Z_c,

$$(P - p)^2 \leq Z_c^{\,2}\, p(1 - p)/n \left(\frac{N - n}{N - 1}\right)$$

Thus, for this confidence level, the actual proportion of the population alerted satisfies the following inequalities:

$$\frac{P + \frac{Z_c^{\,2}}{2n}\left(\frac{N - n}{N - 1}\right) - Z_c\sqrt{\frac{P(1 - P)}{n}\left(\frac{N - n}{N - 1}\right) + \frac{Z_c^{\,2}}{4n^2}\left(\frac{N - n}{N - 1}\right)^2}}{1 + \frac{Z_c^{\,2}}{n}\left(\frac{N - n}{N - 1}\right)} \leq p \text{ and}$$

$$P \leq \frac{P + \frac{Z_c^2}{2n}\left(\frac{N-n}{N-1}\right) + Z_c\sqrt{\frac{P(1-P)}{n}\left(\frac{N-n}{N-1}\right) + \frac{Z_c^2}{4n^2}\left(\frac{N-n}{N-1}\right)^2}}{1 + \frac{Z_c^2}{n}\left(\frac{N-n}{N-1}\right)}$$

Thus, the precision (W) is simply given by

$$W = \frac{Z_c\sqrt{\frac{P(1-P)}{n}\left(\frac{N-n}{N-1}\right) + \frac{Z_c^2}{4n^2}\left(\frac{N-n}{N-1}\right)^2}}{1 + \frac{Z_c^2}{n}\left(\frac{N-n}{N-1}\right)}$$

This equation can be solved to determine the sample size (n) required to yield a given precision (W) with a given observed sample proportion (P) as follows:

$$n = \frac{\frac{Z_c^2}{2W^2}\left[P(1-P) - 2W^2 + \sqrt{W^2\left[1 - 4P(1-P)\right] + P^2(1-P)^2}\right]}{1 + \frac{Z_c^2}{2W^2N}\left[P(1-P) - 2W^2\left(1 + \frac{1}{Z_c^2}\right) + \sqrt{W^2\left[1 - 4P(1-P)\right] + P^2(1-P)^2}\right]}$$

Although this expression for n can be used directly, it is customary to make several approximations. First, since the term in N in the denominator (the finite population term) is positive definite for all reasonable values of W ($0 < W < 0.5$), omitting this term will result in an approximation to n that is slightly larger than its true value. This is an acceptable practice in sizing the sample since a larger sample gives greater precision.

A second approximation that can be made is to neglect the terms in W^2 within the bracket in the numerator. Analysis demonstrates that this underestimates n when $P < 1/2 - 1/4 \sqrt{2 + 8W^2}$ or $P > 1/2 + 1/4 \sqrt{2 + 8W^2}$ and overestimates n for P between those two values. For the case of interest (a 95% confidence interval with precision of 0.05), this approximation provides an overestimation of n when a sample size greater than 191 is required. Since the sampling plan calls for a minimum sample size of 250, regardless of the value of P, this approximation is acceptable because it also yields an estimate of n larger than the true value. Therefore, for the purposes of the pilot test and subsequent surveys, the following approximate equation can be used to determine whether a sample size larger than 250 is required:

$$n = \frac{Z_c^2}{W^2} P(1 - P)$$

or using 1.96 for Z_c and 0.05 for W,

$$n = 1536.64\ P(1 - P)$$

Data from the pilot test can be used to illustrate the effects of these approximations. In the pilot test, the population of tone alert households from which the sample was to be drawn (N) was approximately 4500 and the observed proportion alerted (P) was 0.675. This yields 311 as the exact result for n. Neglecting the finite population term yields an estimate of 334 for n, and the simplified final approximation estimates n as 338. Thus, the final simplified approximation overestimates the required sample size by 27 in this case.

SOURCE: International Energy Associates Limited. "Analysis of Tone Alert Pilot Test." IEAL-321. September 27, 1983.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	5.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	5.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	5.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	5.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	10.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	10.00	SOFT	0.	NO	0.	0.
43	500.	315.00	5.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	5.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	5.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	5.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	5.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	5.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	5.00	SOFT	0.	NO	0.	0.
50	500.	292.50	5.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	5.00	SOFT	0.	NO	0.	0.
[illegible]	2000.	292.50	5.00	SOFT	0.	NO	0.	0.
[illegible]	4000.	292.50	5.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	5.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	5.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	10.00	SOFT	0.	NO	0.	0.
57	500.	270.00	5.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	5.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	5.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	5.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	5.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	5.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	5.00	HARD	0.	NO	0.	0.
64	500.	247.50	5.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	5.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	5.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	5.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	5.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	5.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	5.00	SOFT	0.	NO	0.	0.
71	500.	225.00	5.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	5.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #26-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	159.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 5.00 HEIGHT ABOVE GROUND= 50.00

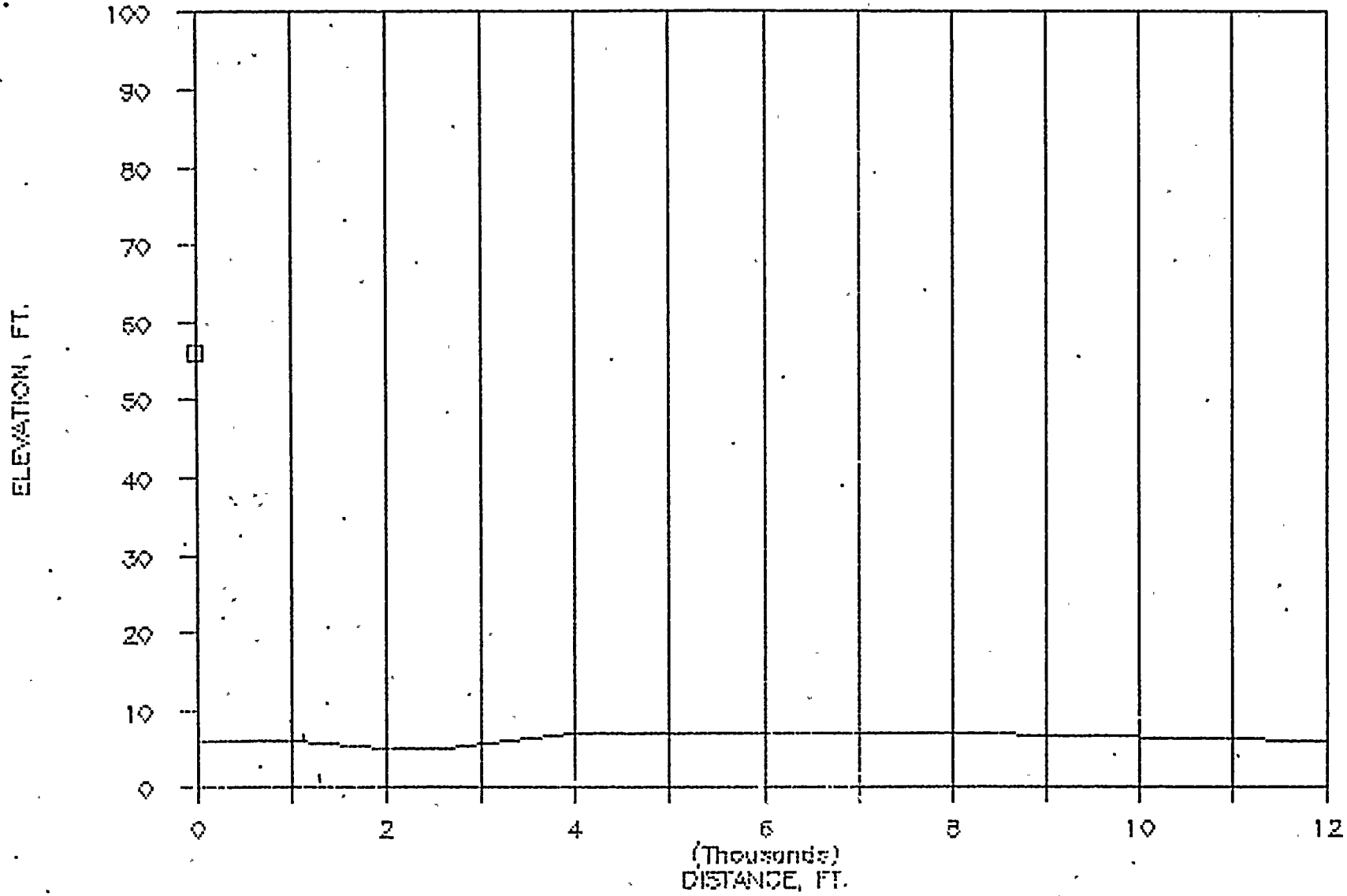
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #26-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.06 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED (MPS) H1	WIND SPEED (MPS) H2	TEMPERATURE (C) H1	TEMPERATURE (C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE (MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

TURKEY POINT 39

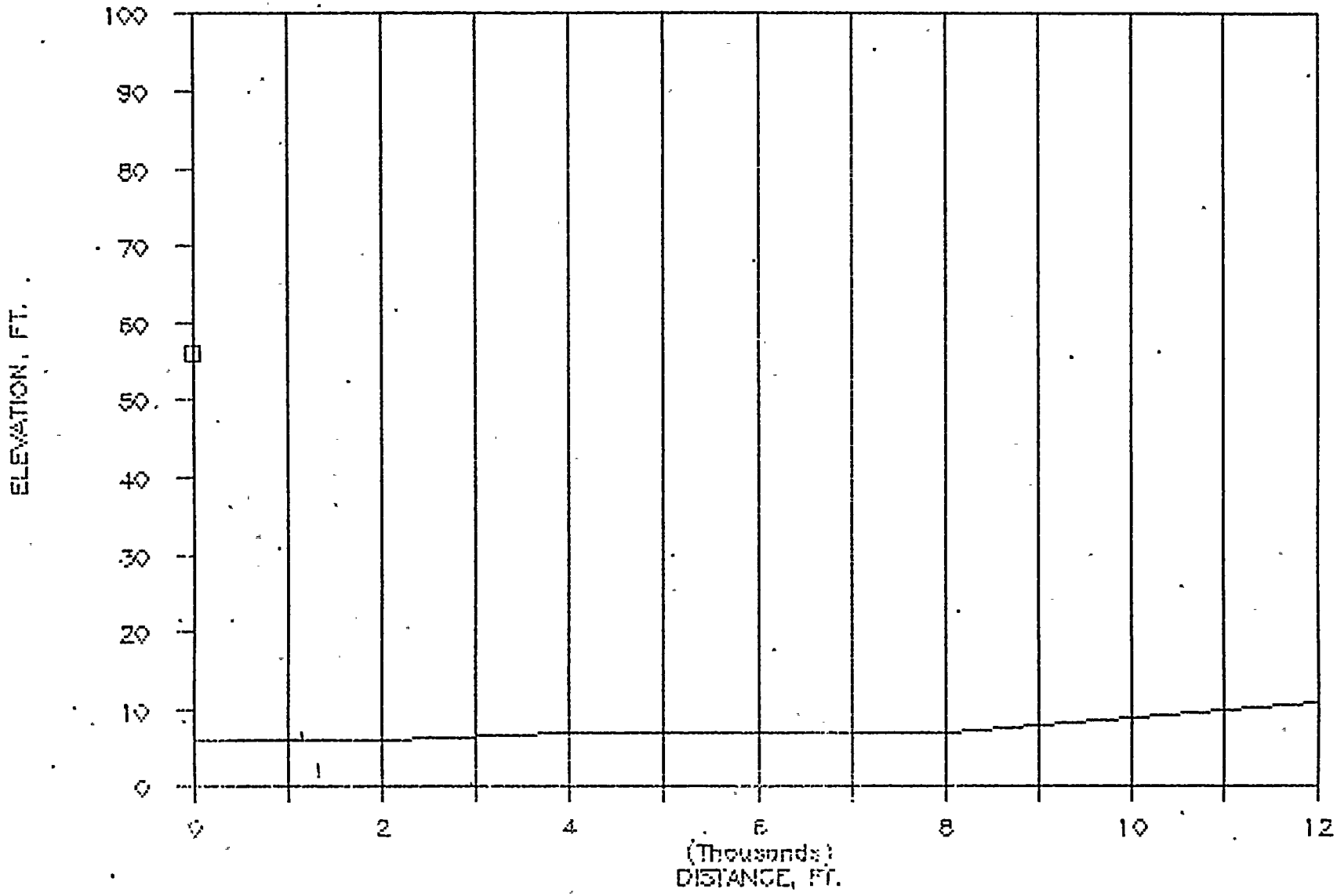
AZIMUTH, E



GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	5.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	5.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	5.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	5.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	5.00	SOFT	0.	NO	0.	0.
78	500.	202.50	5.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	5.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	5.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	5.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	5.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	5.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	5.00	SOFT	0.	NO	0.	0.
85	500.	180.00	5.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	5.00	SOFT	0.	NO	0.	0.
87	2000.	180.00	5.00	SOFT	0.	NO	0.	0.
88	4000.	180.00	5.00	SOFT	0.	NO	0.	0.
89	6000.	180.00	5.00	SOFT	0.	NO	0.	0.
90	8000.	180.00	5.00	SOFT	0.	NO	0.	0.
91	12000.	180.00	5.00	SOFT	0.	NO	0.	0.
92	500.	157.50	5.00	SOFT	0.	NO	0.	0.
93	1000.	157.50	5.00	SOFT	0.	NO	0.	0.
94	2000.	157.50	5.00	SOFT	0.	NO	0.	0.
95	4000.	157.50	5.00	SOFT	0.	NO	0.	0.
96	6000.	157.50	5.00	SOFT	0.	NO	0.	0.
97	8000.	157.50	5.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	5.00	SOFT	0.	NO	0.	0.
99	500.	135.00	5.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	5.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	5.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	5.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	5.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	5.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	5.00	SOFT	0.	NO	0.	0.
106	500.	112.50	5.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	*******	SOFT	0.	NO	0.	0.
108	2000.	112.50	*******	SOFT	0.	NO	0.	0.
109	4000.	112.50	5.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	5.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	5.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	5.00	SOFT	0.	NO	0.	0.

TURKEY POINT 39

AZIMUTH, NE



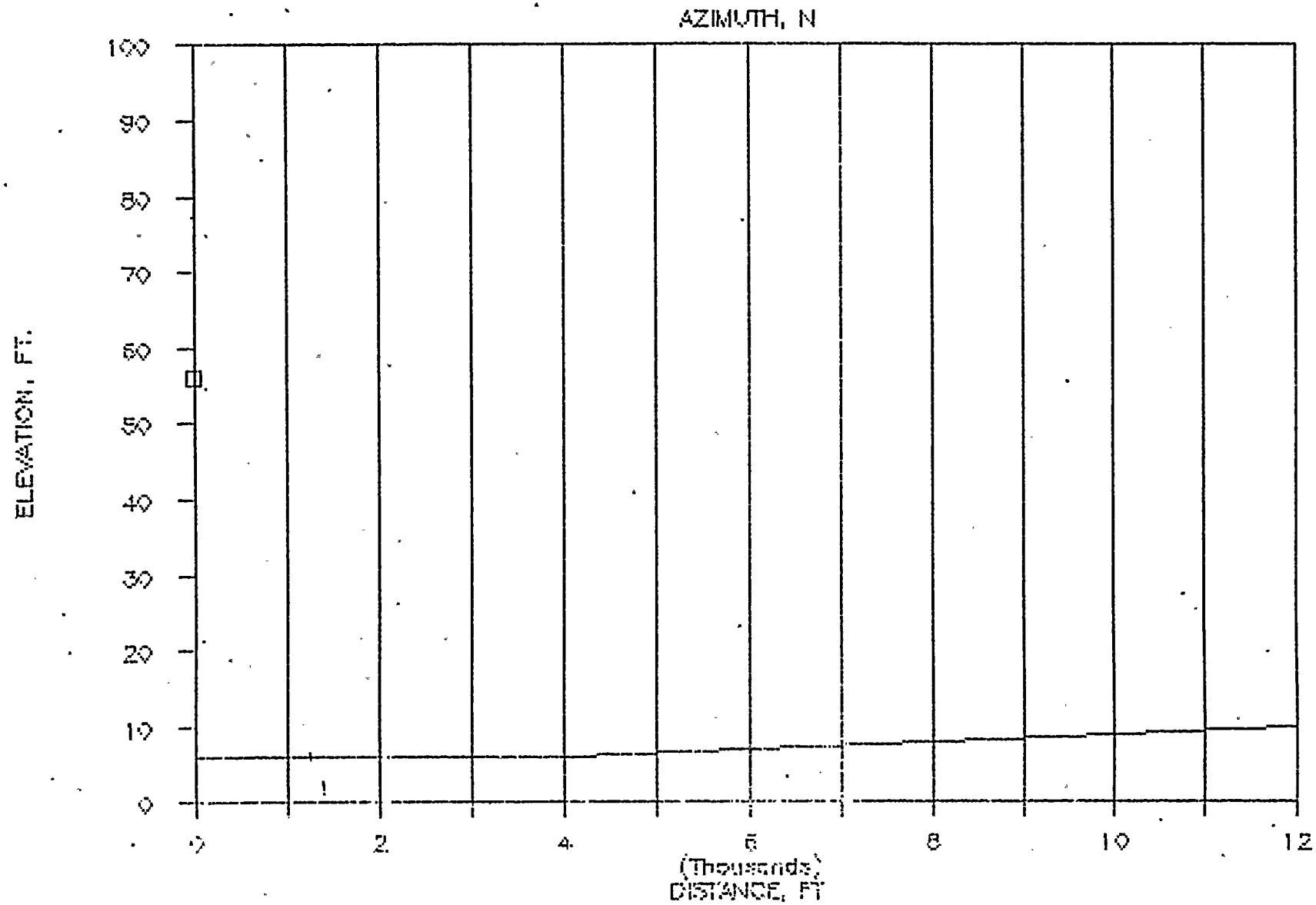
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #26-WS3000

SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

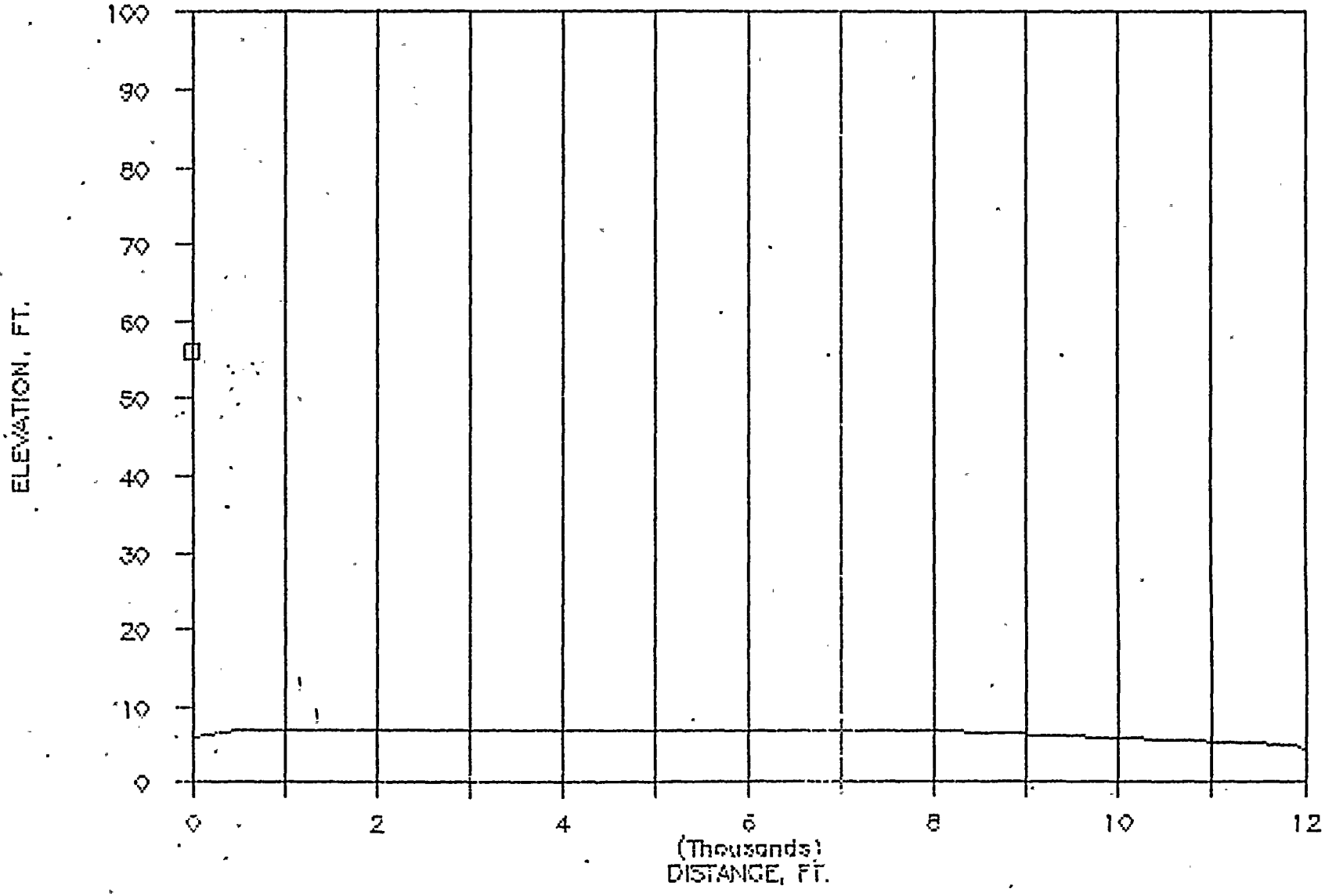
AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	95.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	62.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	92.	70.	45.	40.	36.	29.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	0.	0.	45.	40.	36.	29.

TURKEY POINT 39



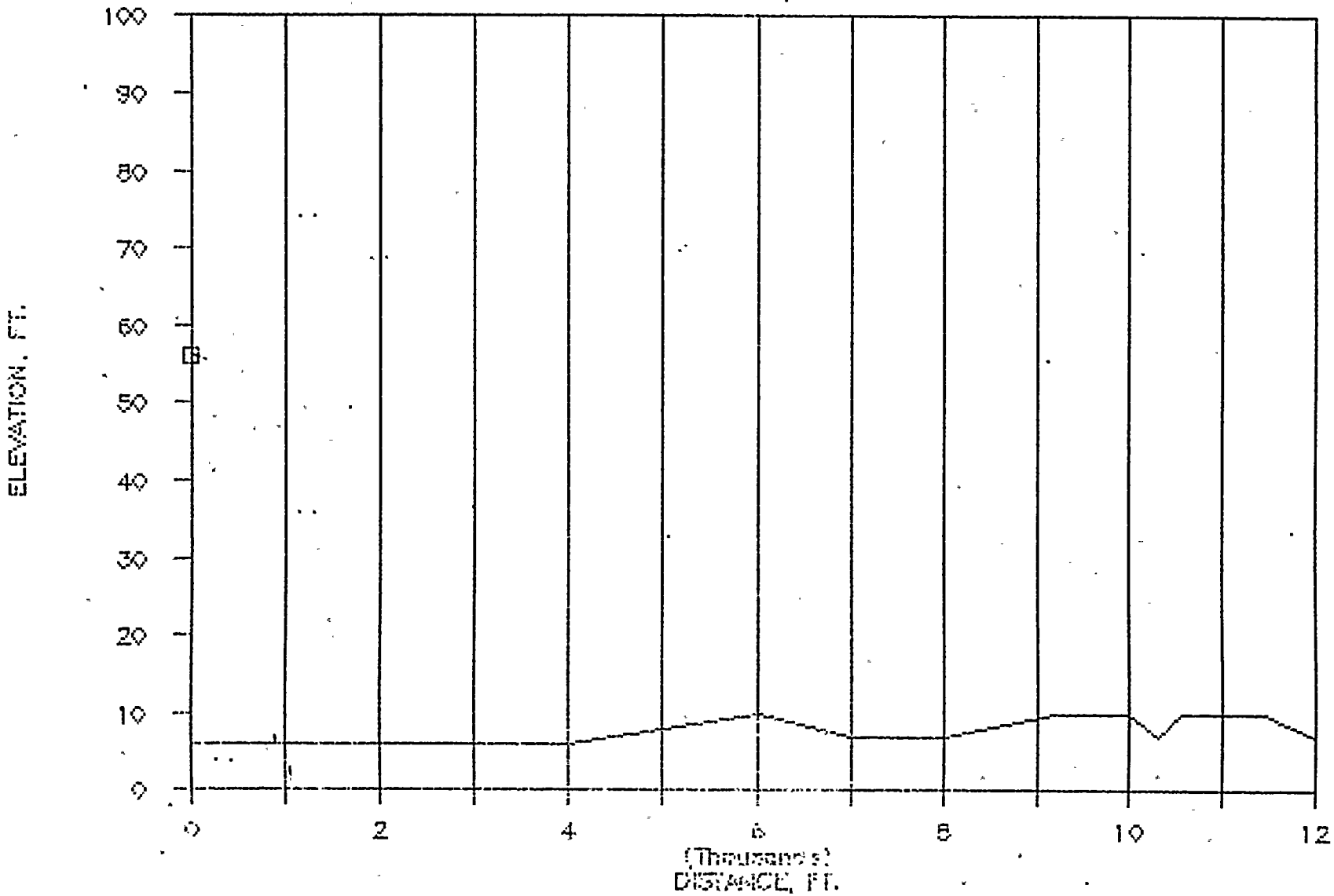
TURKEY POINT 39

AZIMUTH, ENE



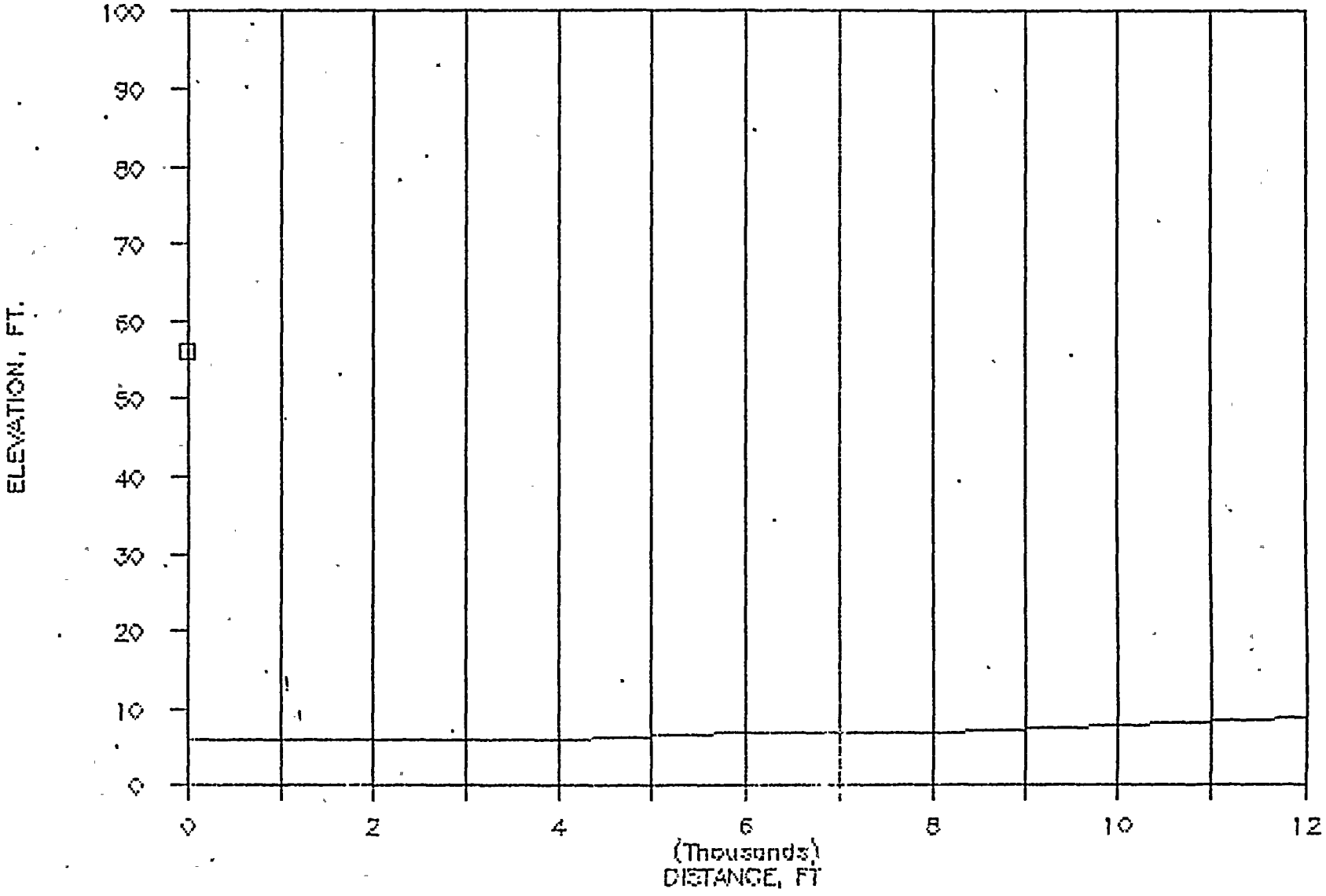
TURKEY POINT 39

AZIMUTH, NW

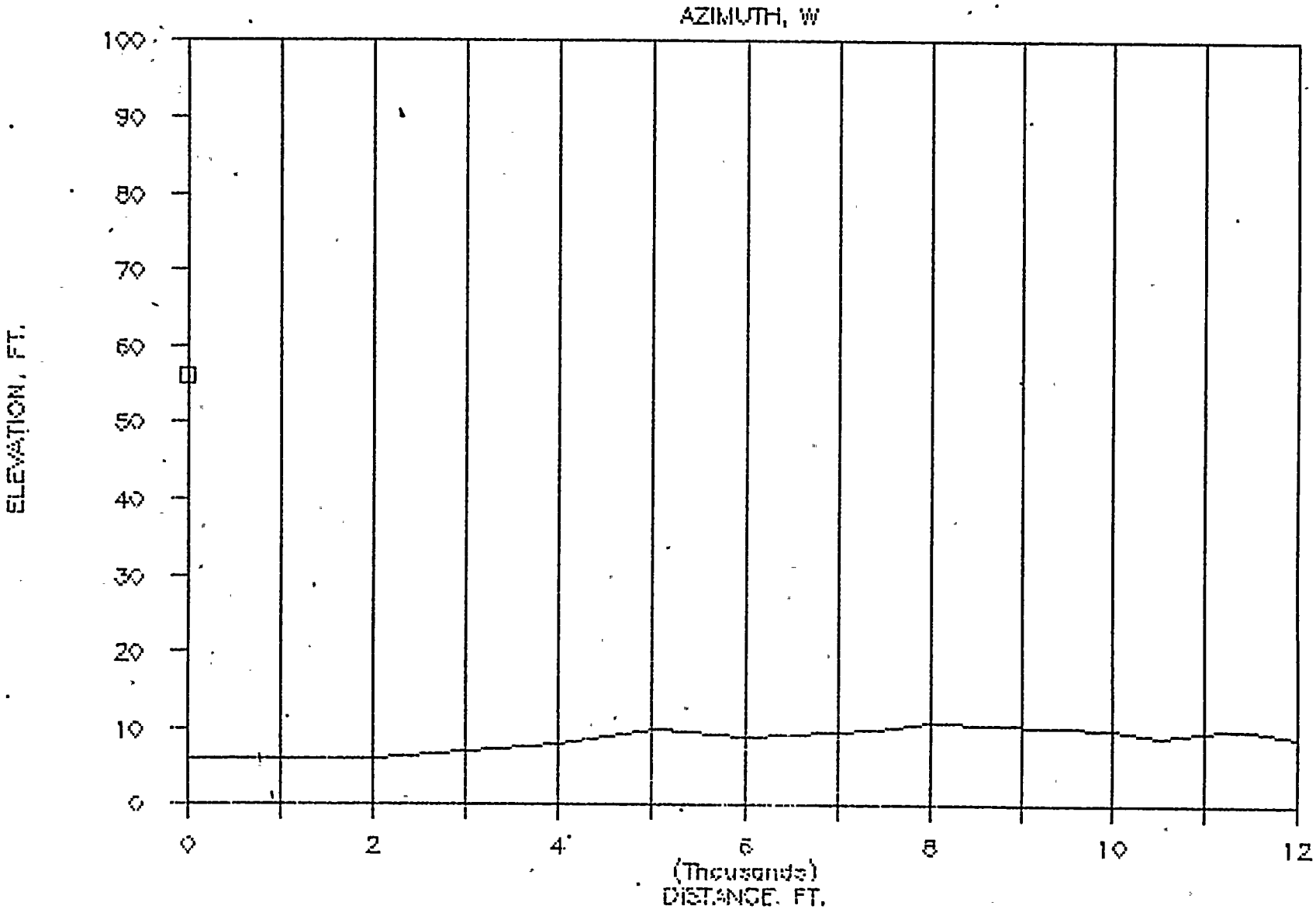


TURKEY POINT 39

AZIMUTH, NNE

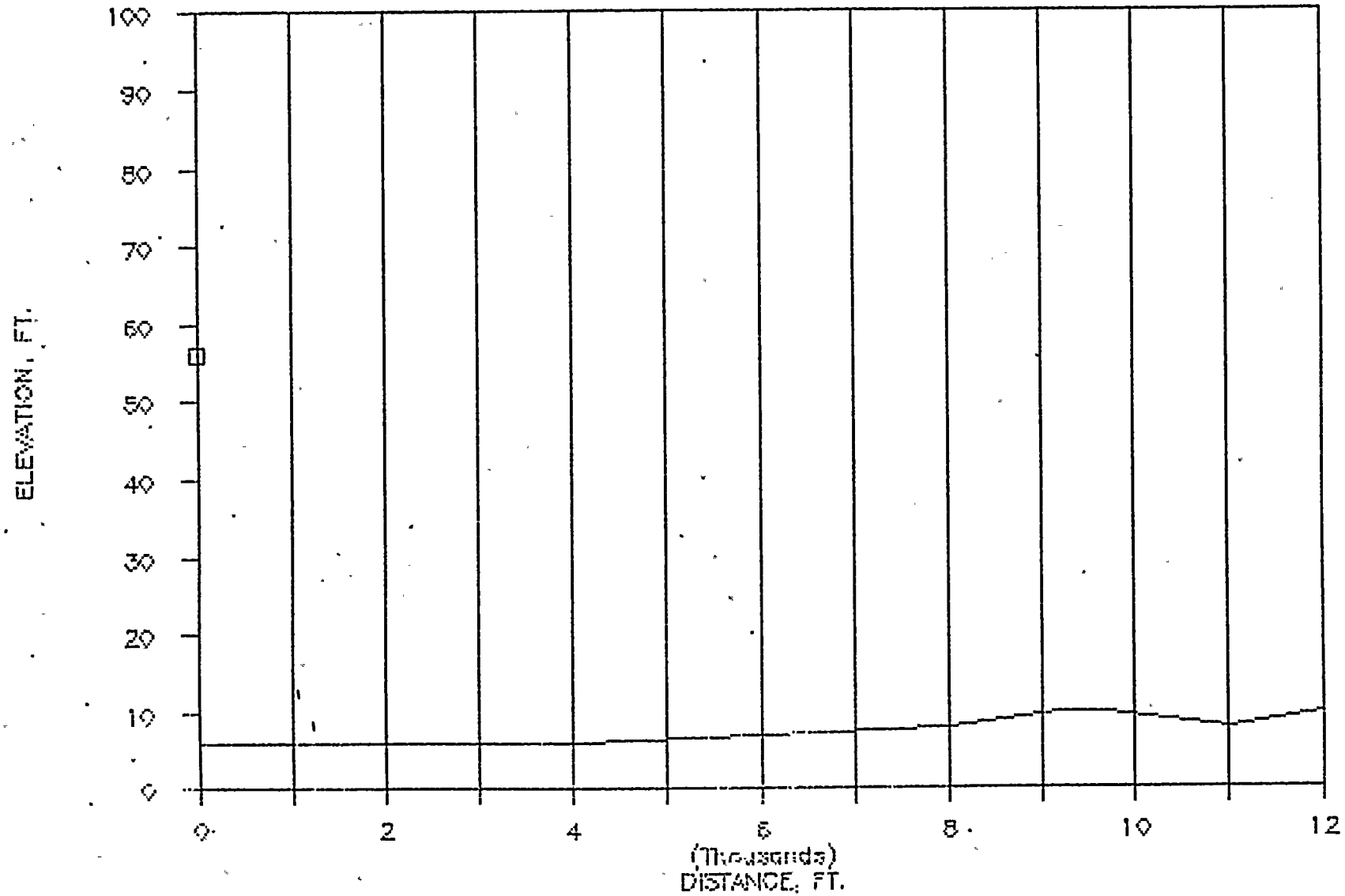


TURKEY POINT 39



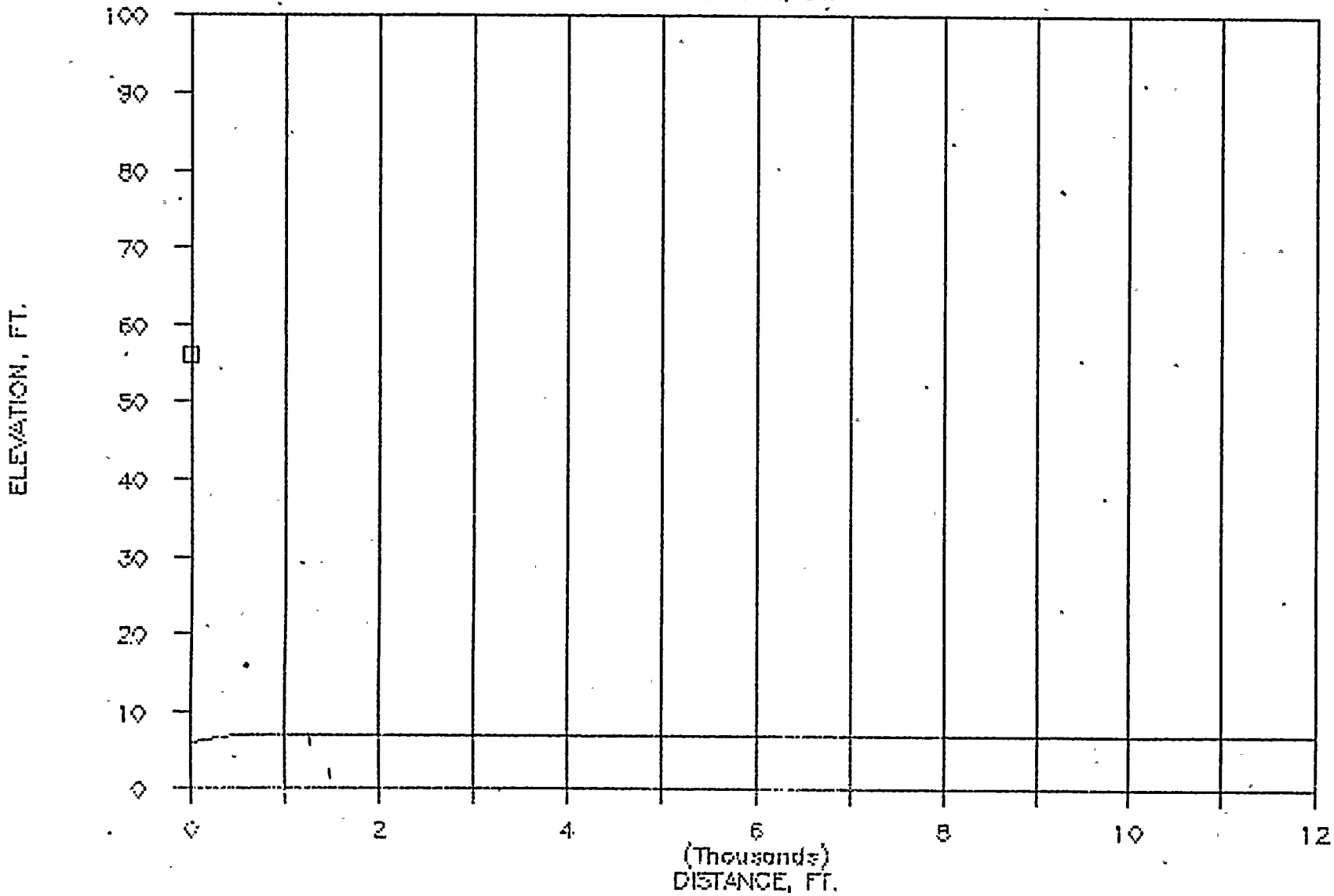
TURKEY POINT 39

AZIMUTH, NNW



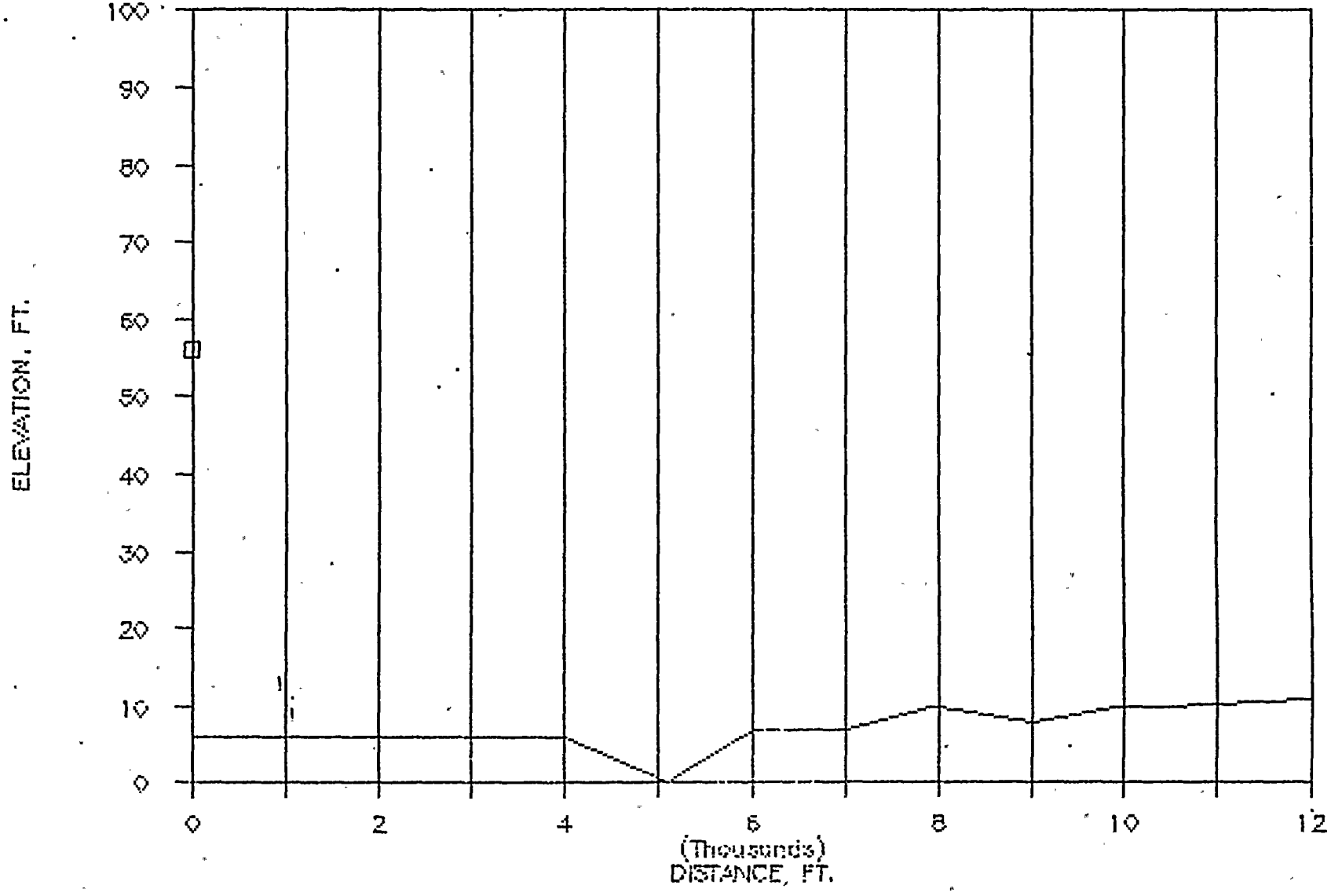
TURKEY POINT 39

AZIMUTH, SW



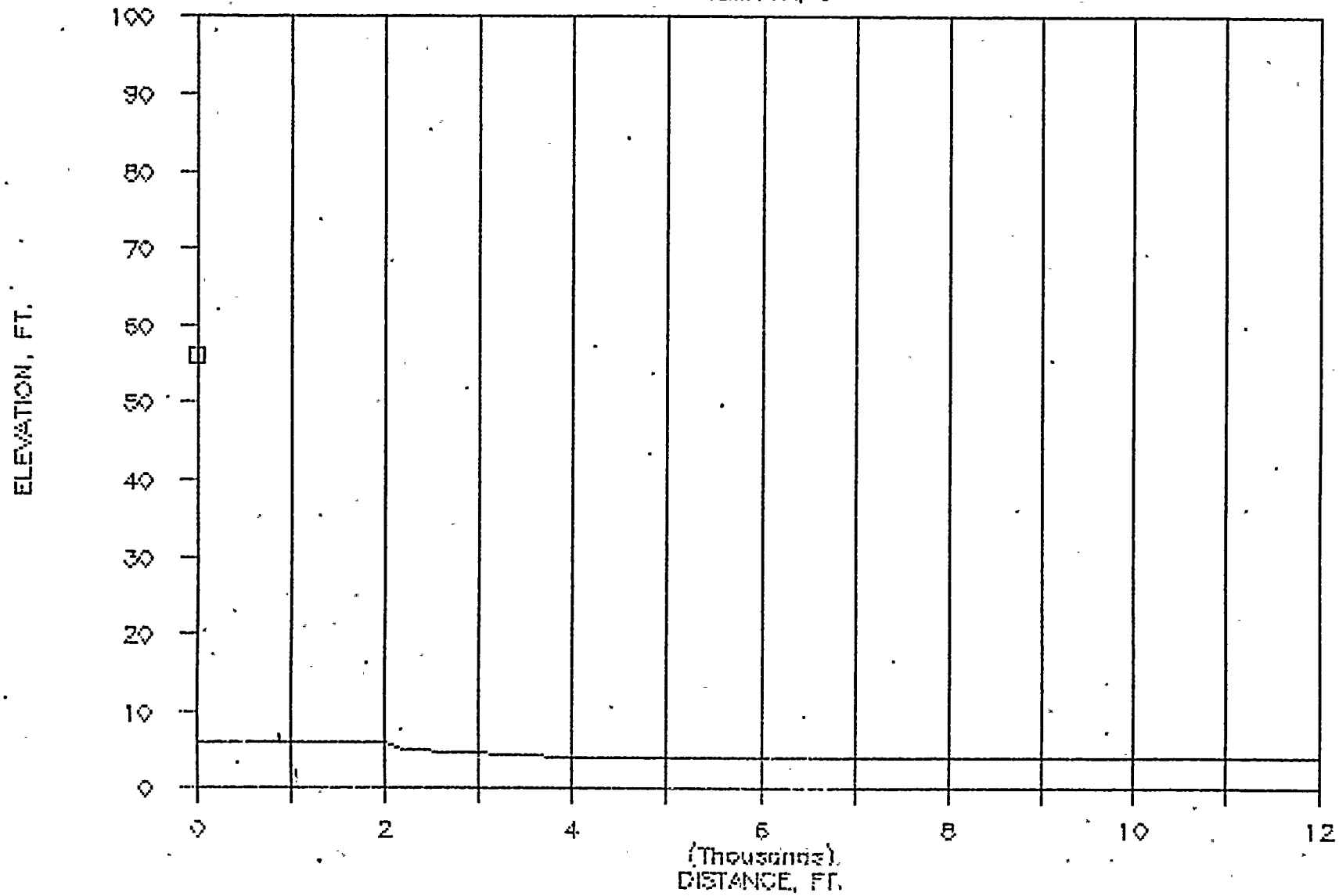
TURKEY POINT 39

AZIMUTH, WNW



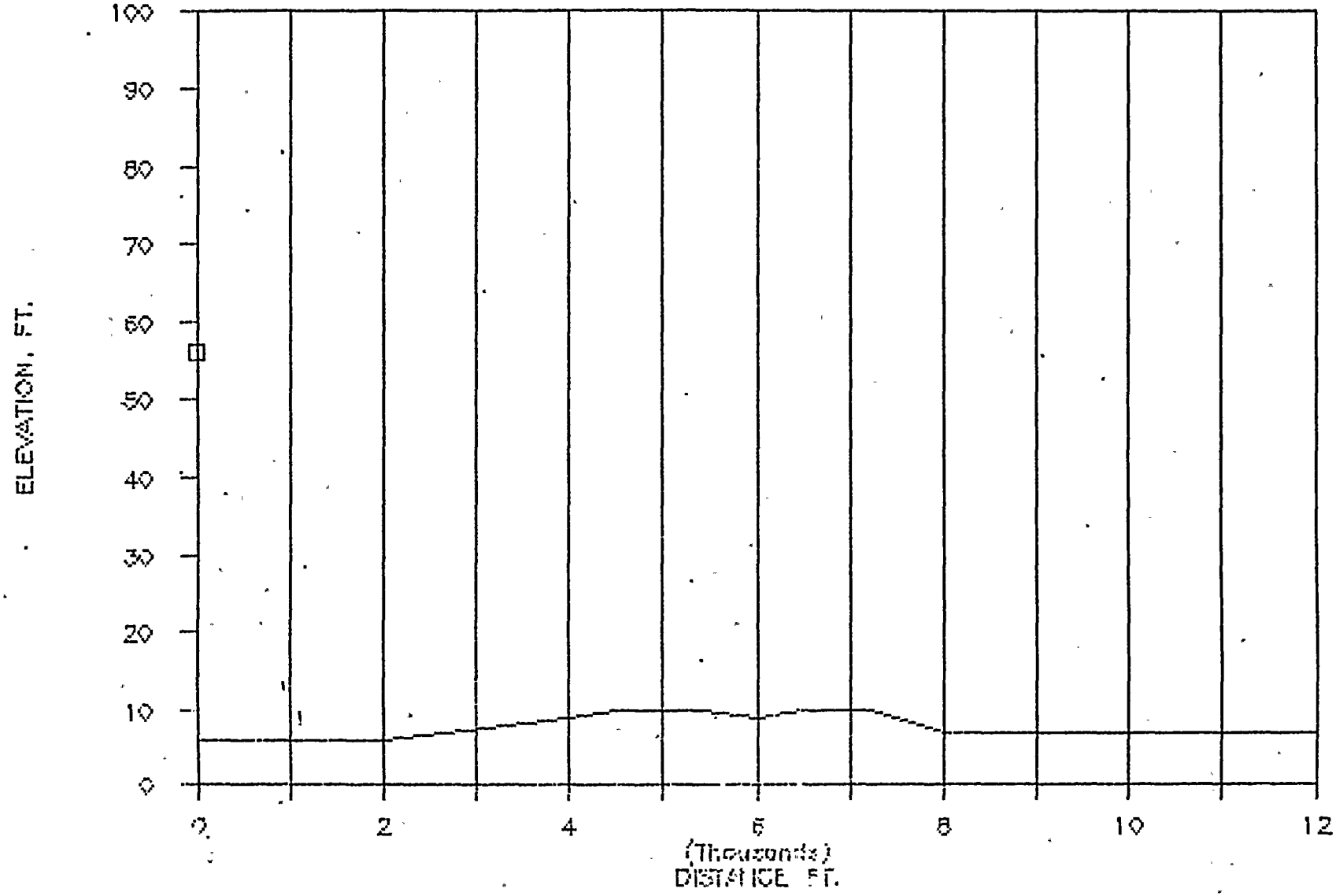
TURKEY POINT 39

AZIMUTH, S



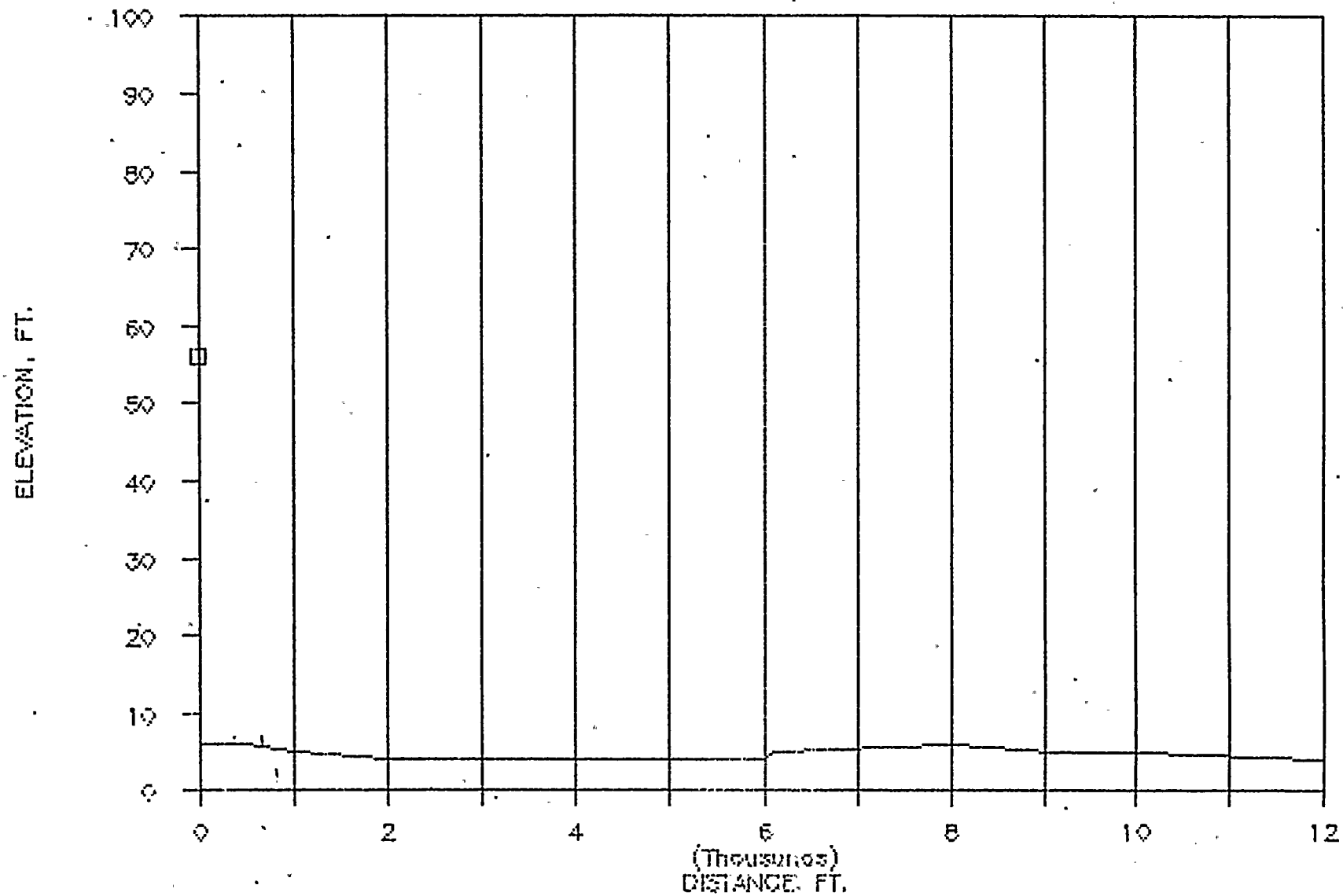
TURKEY POINT 39

AZIMUTH, WSW



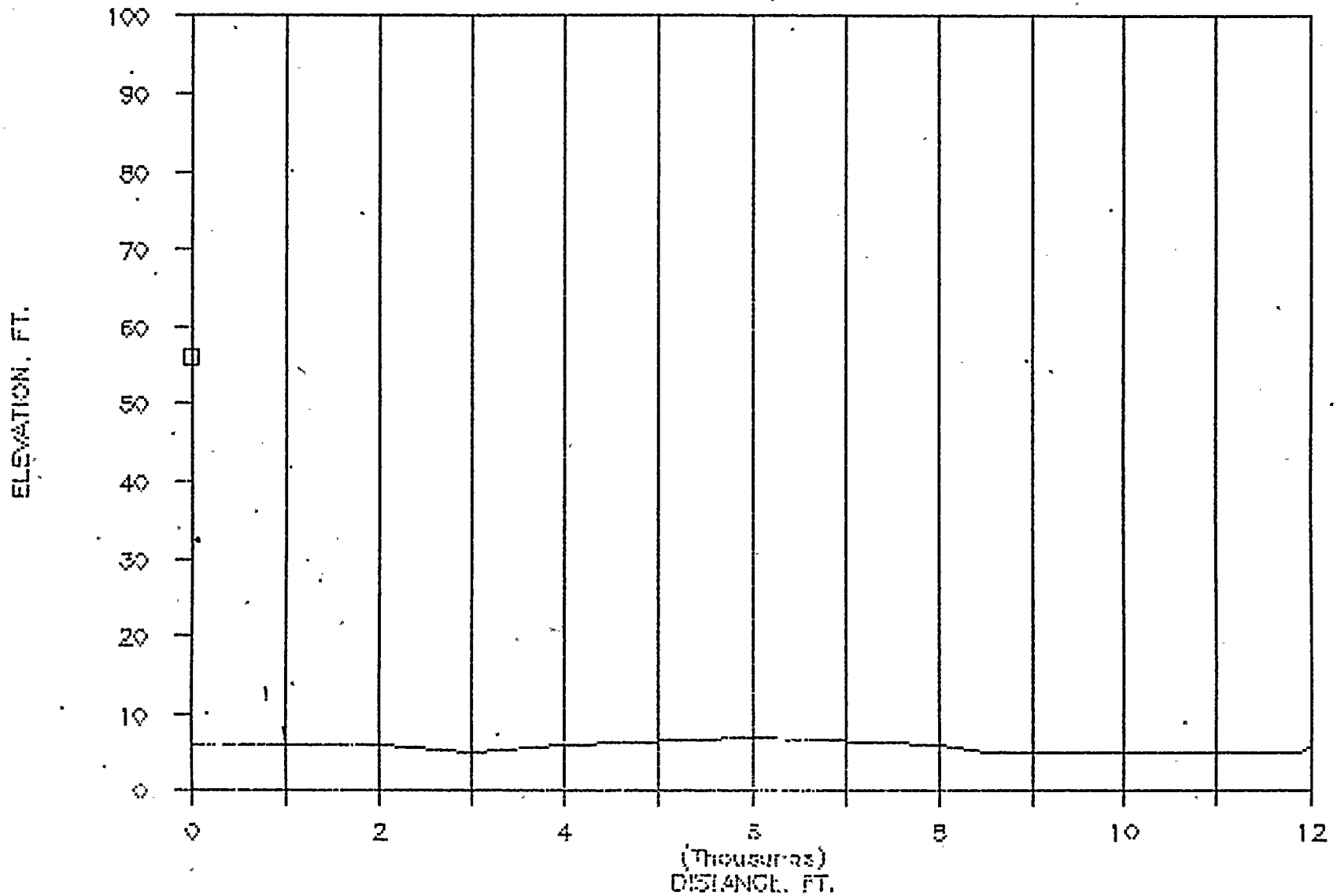
TURKEY POINT 39

AZIMUTH, SE



TURKEY POINT 39

AZIMUTH, SSW



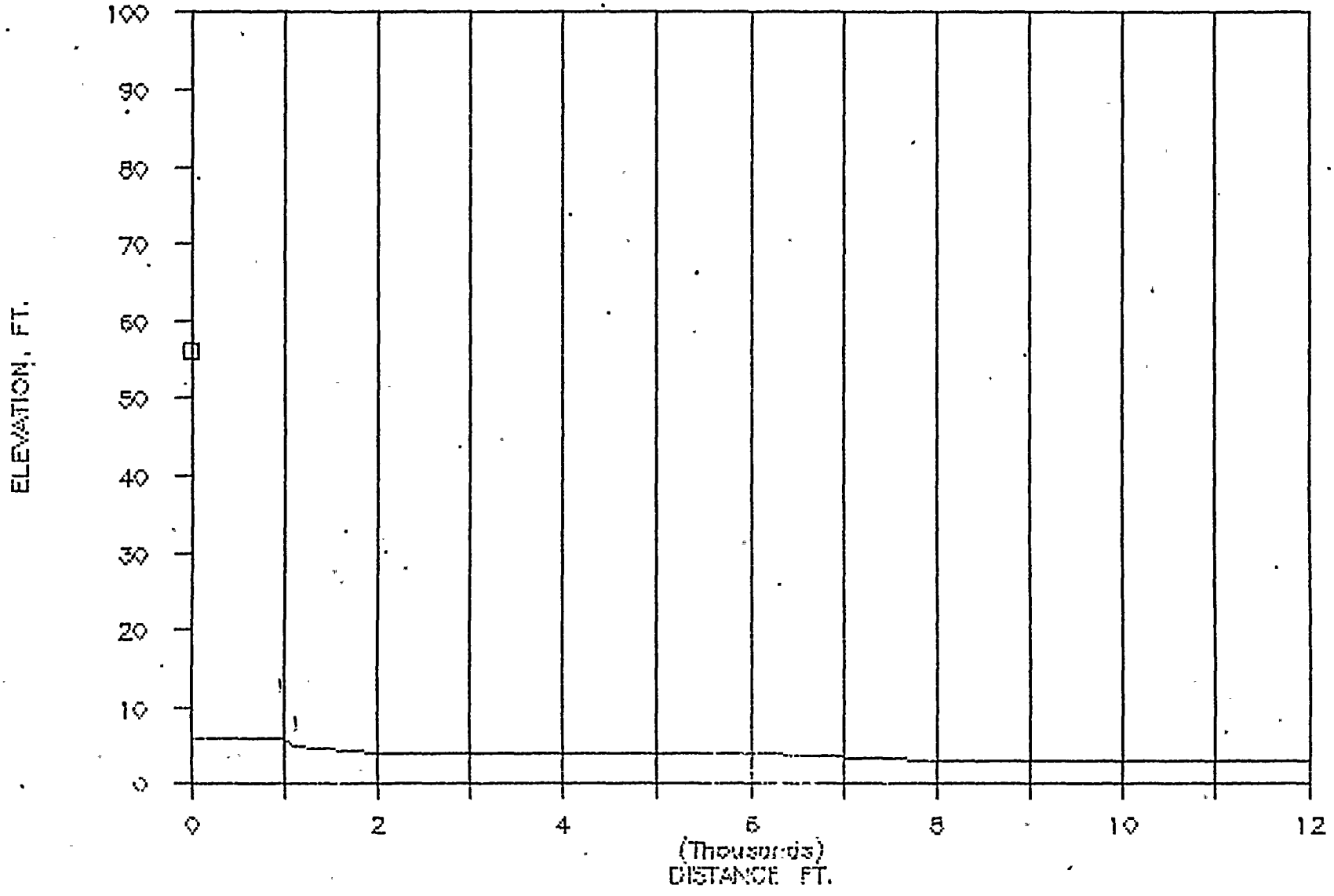
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #39-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	6.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	6.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	5.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	7.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	7.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	7.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	6.00	SOFT	0.	NO	0.	0.
8	500.	67.50	7.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	7.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	7.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	7.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	7.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	7.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	4.00	SOFT	0.	NO	0.	0.
[illegible]	500.	45.00	6.00	SOFT	0.	NO	0.	0.
[illegible]	1000.	45.00	6.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	6.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	7.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	7.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	7.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	11.00	SOFT	0.	NO	0.	0.
22	500.	22.50	6.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	6.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	6.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	6.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	7.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	7.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	9.00	SOFT	0.	NO	0.	0.
29	500.	.00	6.00	SOFT	0.	NO	0.	0.
30	1000.	.00	6.00	SOFT	0.	NO	0.	0.
31	2000.	.00	6.00	SOFT	0.	NO	0.	0.
32	4000.	.00	6.00	SOFT	0.	NO	0.	0.
33	6000.	.00	7.00	SOFT	0.	NO	0.	0.
34	8000.	.00	8.00	SOFT	0.	NO	0.	0.
35	12000.	.00	10.00	SOFT	0.	NO	0.	0.
36	500.	337.50	6.00	SOFT	0.	NO	0.	0.

TURKEY POINT 39

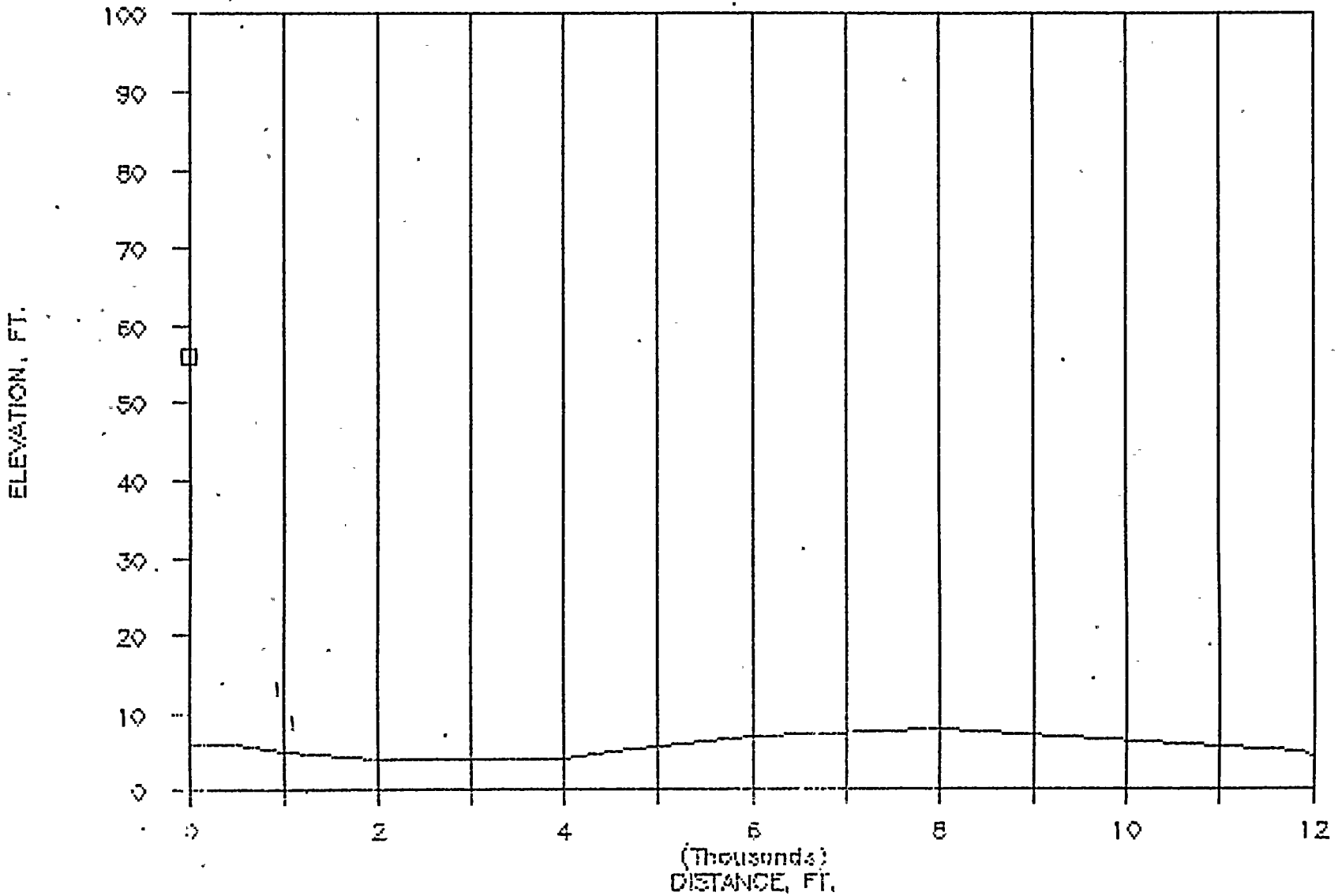
AZIMUTH, SSE



GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	7.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	7.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	7.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	7.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	7.00	SOFT	0.	NO	0.	0.
78	500.	202.50	6.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	6.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	6.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	6.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	7.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	6.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	6.00	SOFT	0.	NO	0.	0.
85	500.	180.00	6.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	6.00	SOFT	0.	NO	0.	0.
87	2000.	180.00	6.00	SOFT	0.	NO	0.	0.
88	4000.	180.00	4.00	SOFT	0.	NO	0.	0.
[illegible]	6000.	180.00	4.00	SOFT	0.	NO	0.	0.
[illegible]	8000.	180.00	4.00	SOFT	0.	NO	0.	0.
[illegible]	12000.	180.00	4.00	SOFT	0.	NO	0.	0.
92	500.	157.50	6.00	SOFT	0.	NO	0.	0.
93	1000.	157.50	6.00	SOFT	0.	NO	0.	0.
94	2000.	157.50	4.00	SOFT	0.	NO	0.	0.
95	4000.	157.50	4.00	SOFT	0.	NO	0.	0.
96	6000.	157.50	4.00	SOFT	0.	NO	0.	0.
97	8000.	157.50	3.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	3.00	SOFT	0.	NO	0.	0.
99	500.	135.00	6.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	5.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	4.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	4.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	4.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	4.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	4.00	SOFT	0.	NO	0.	0.
106	500.	112.50	6.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	5.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	4.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	4.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	7.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	8.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	4.00	SOFT	0.	NO	0.	0.

TURKEY POINT 39

AZIMUTH, ESE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #39-WS3000

SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

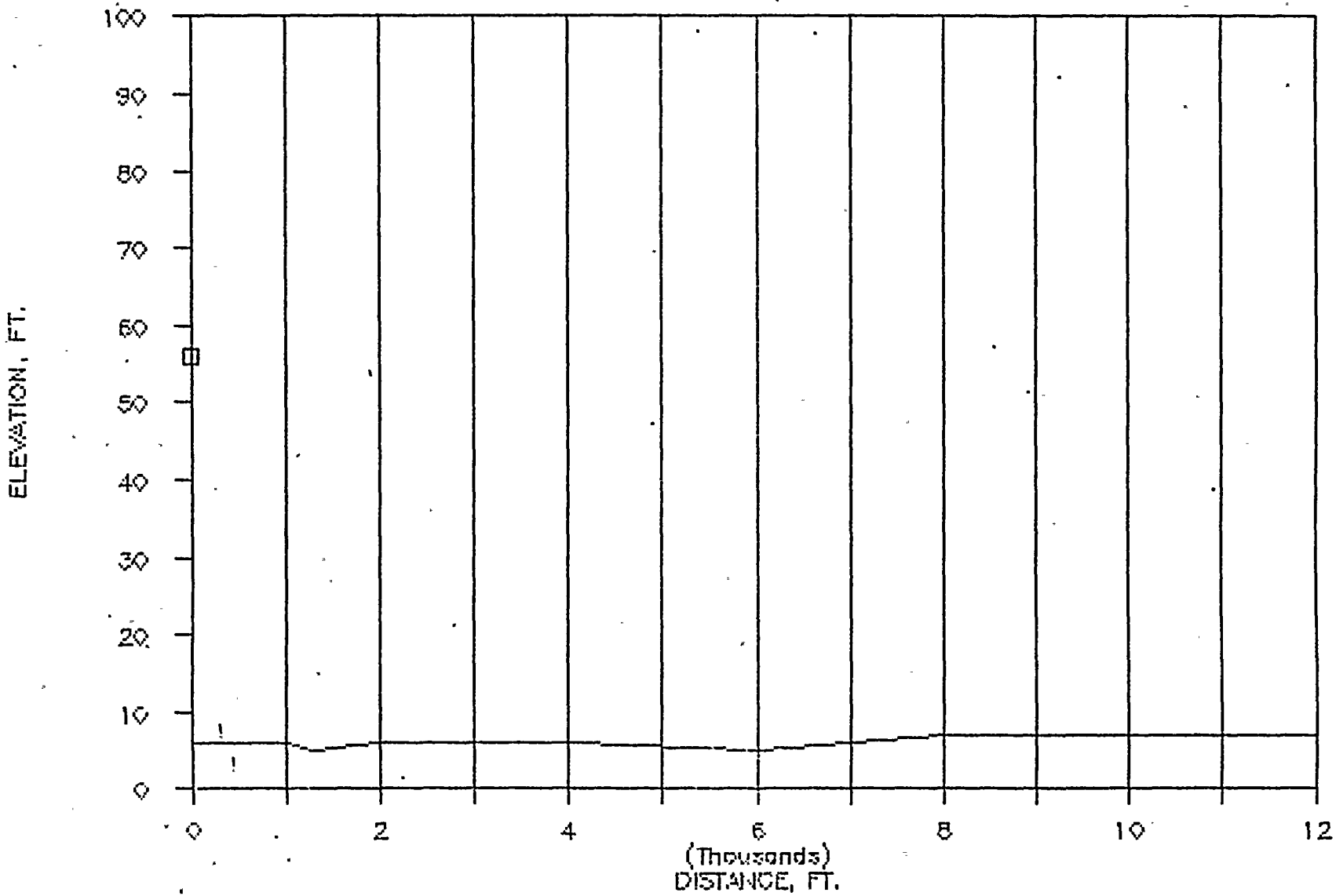
DISTANCE IN FEET

AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	92.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	92.	70.	45.	40.	36.	29.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	91.	69.	45.	40.	36.	29.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	6.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	6.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	6.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	7.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	8.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	10.00	SOFT	0.	NO	0.	0.
43	500.	315.00	6.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	6.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	6.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	6.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	10.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	7.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	7.00	SOFT	0.	YES	11450.	[illegible]
50	500.	292.50	6.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	6.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	6.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	6.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	7.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	10.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	11.00	SOFT	0.	NO	0.	0.
57	500.	270.00	6.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	6.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	6.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	8.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	9.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	11.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	9.00	SOFT	0.	NO	0.	0.
64	500.	247.50	6.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	6.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	6.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	9.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	9.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	7.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	7.00	SOFT	0.	NO	0.	0.
71	500.	225.00	7.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	7.00	SOFT	0.	NO	0.	0.

TURKEY POINT 40

AZIMUTH, ENE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #39-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 6.00 HEIGHT ABOVE GROUND= 50.00

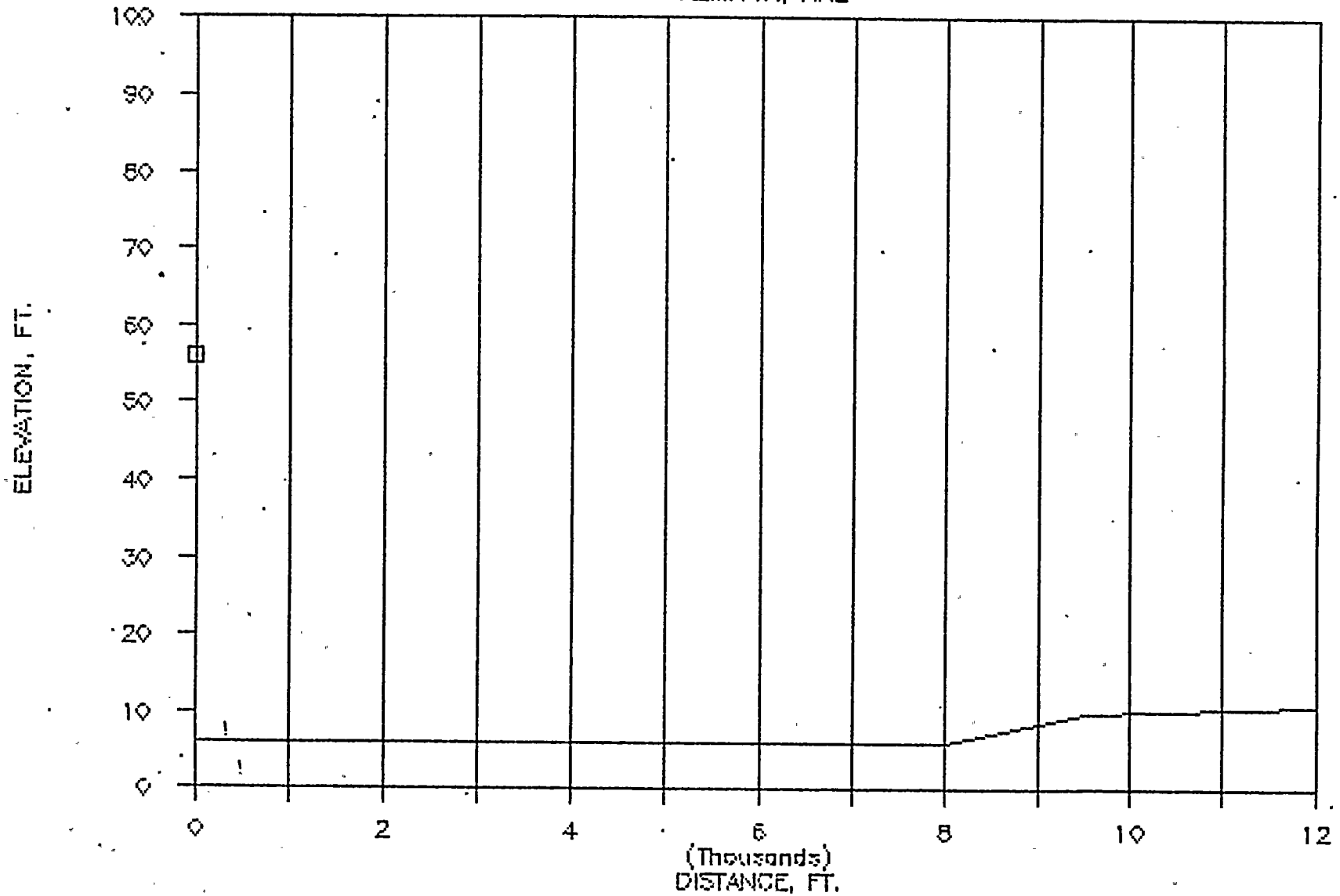
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #39-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.05 METERS H2= 60.05 METERS

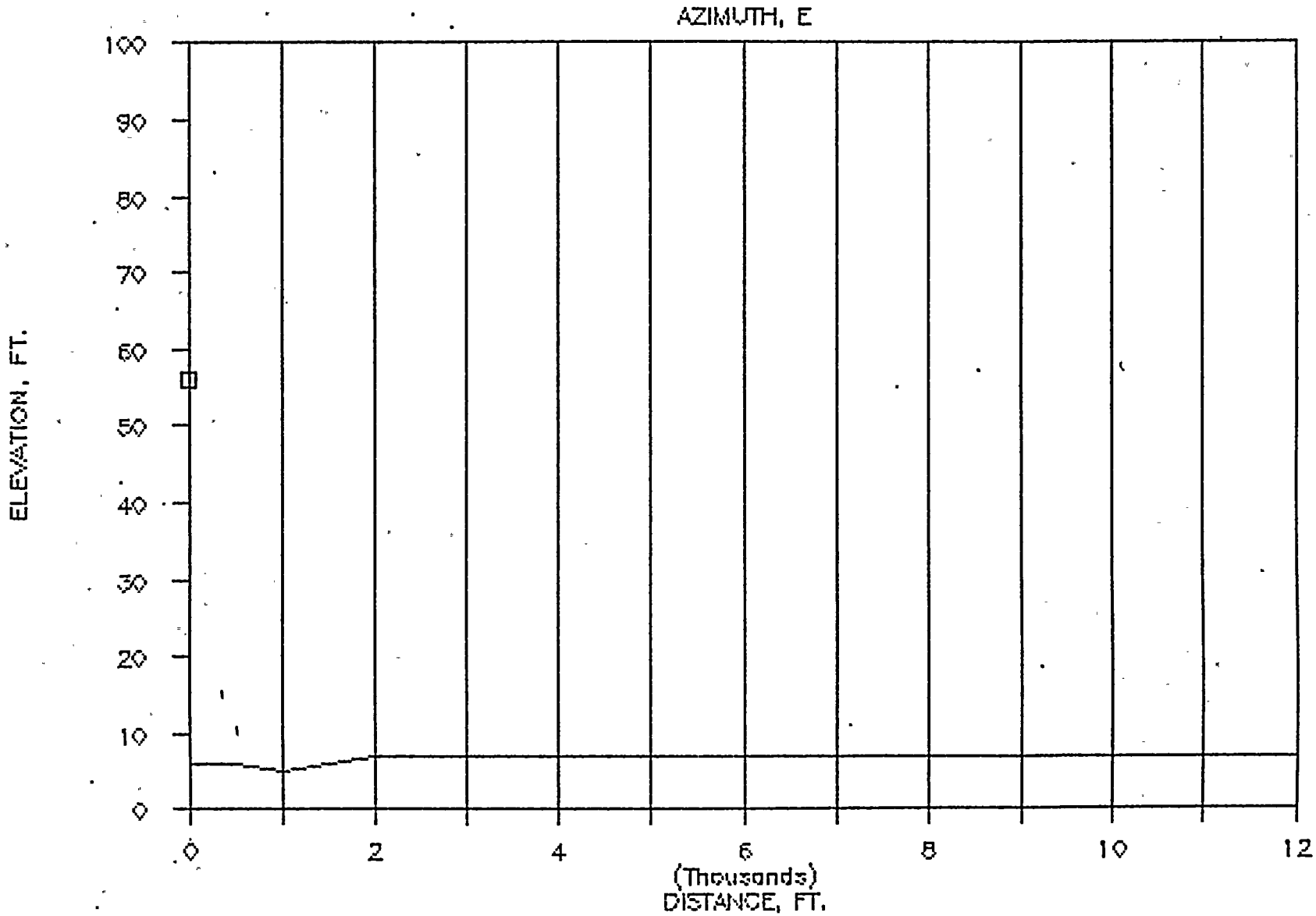
YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED (MPS) H1	WIND SPEED (MPS) H2	TEMPERATURE (C) H1	TEMPERATURE (C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE (MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	755.0

TURKEY POINT 40

AZIMUTH, NNE

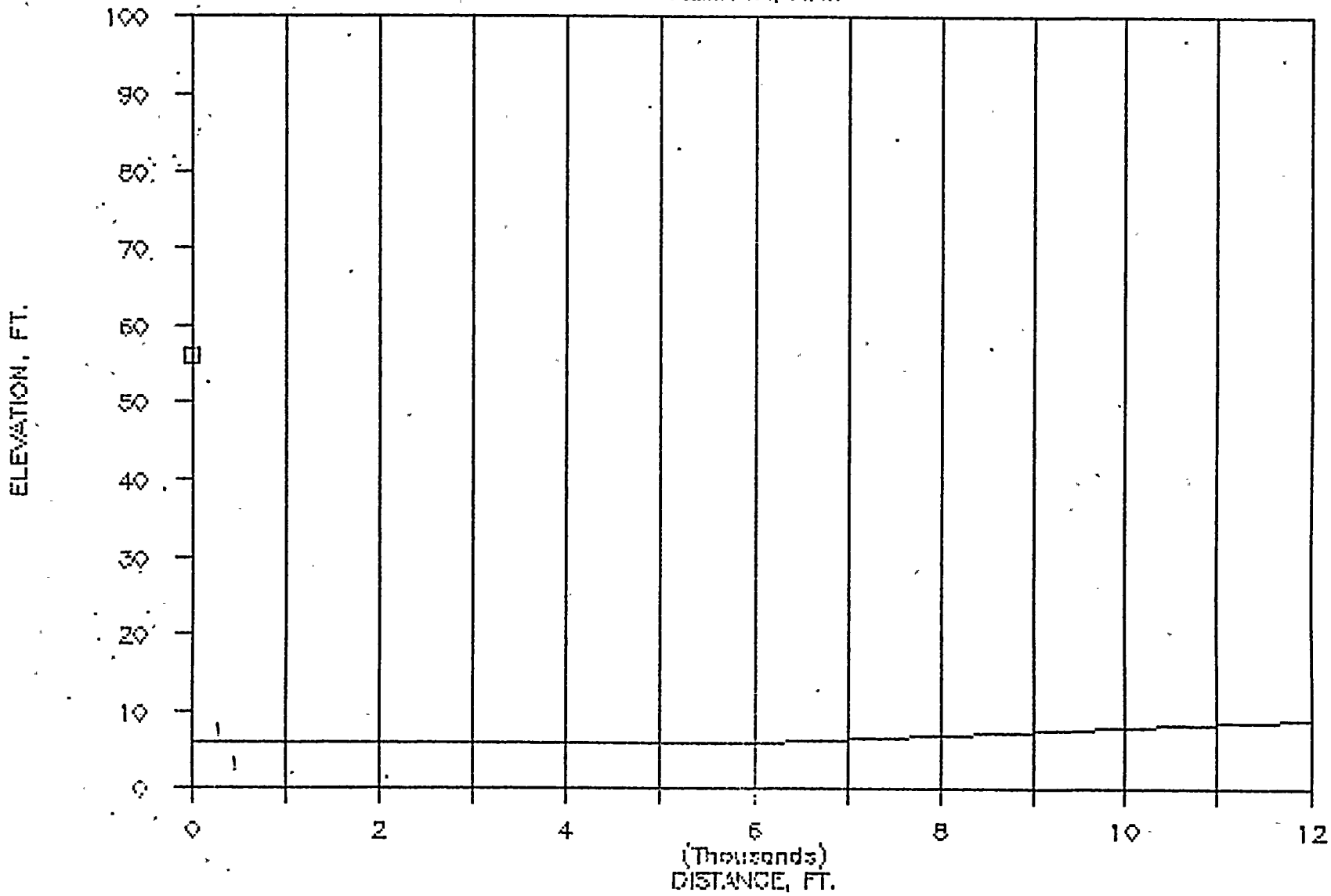


TURKEY POINT 40



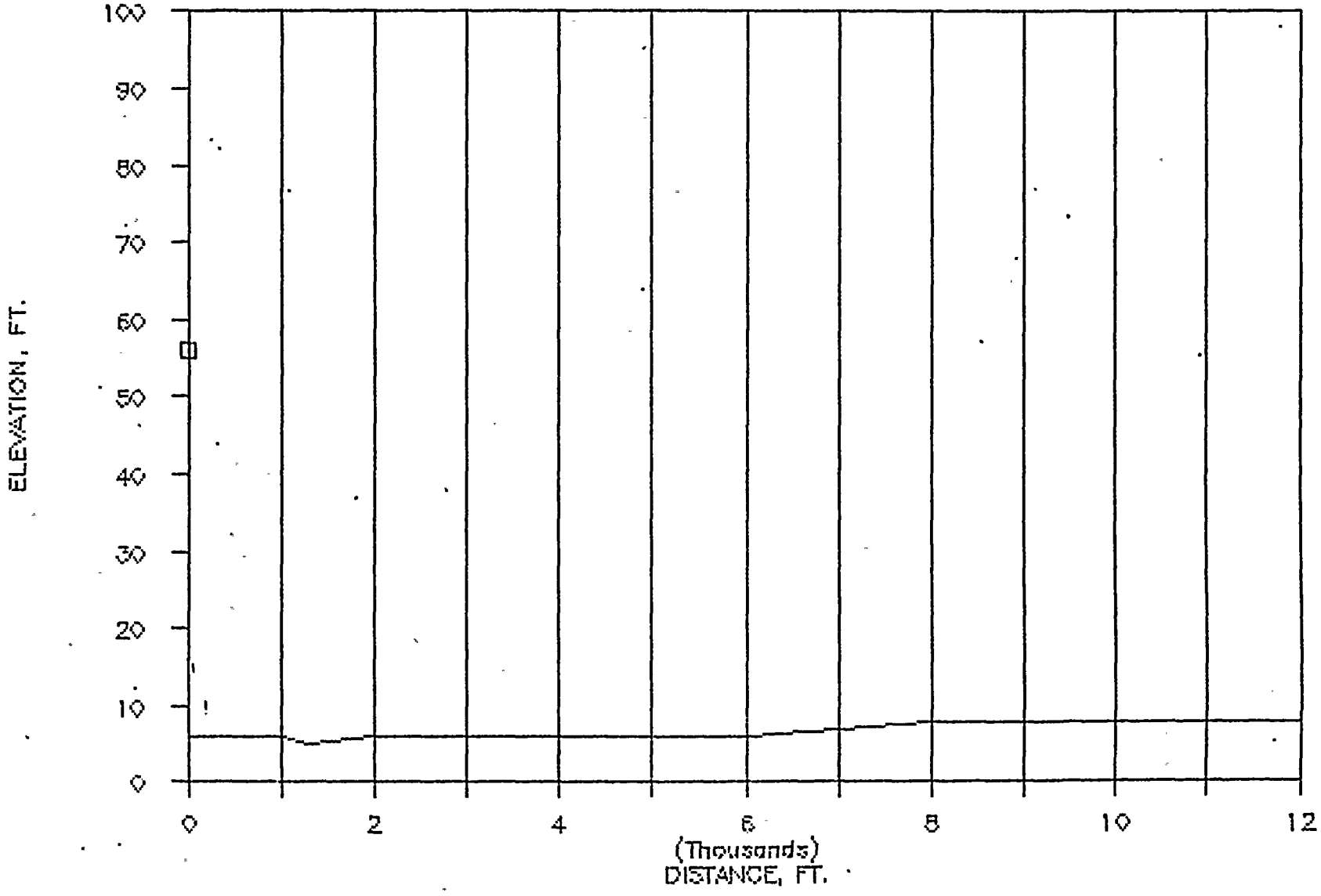
TURKEY POINT 40

AZIMUTH, NNW



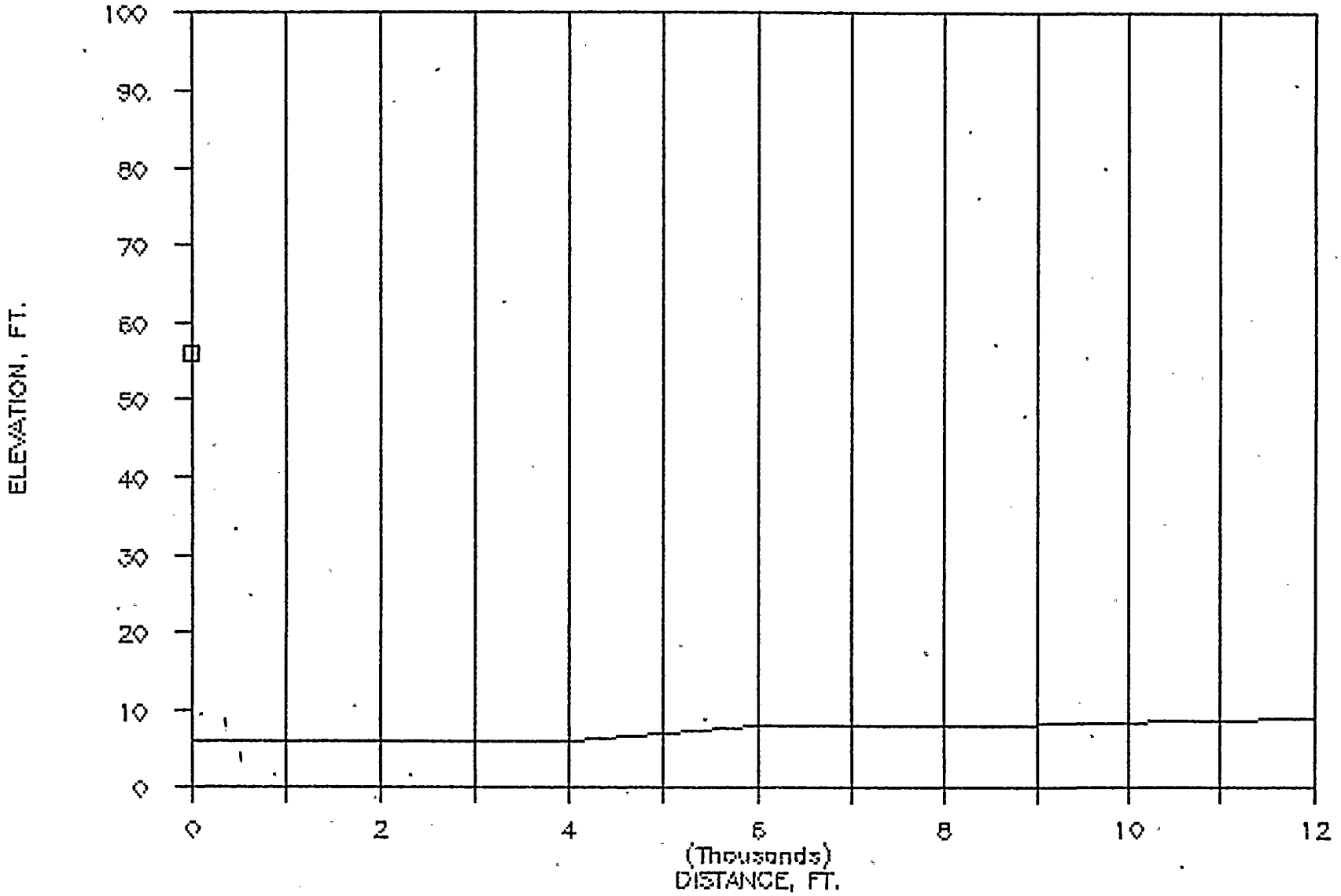
TURKEY POINT 40

AZIMUTH, NE



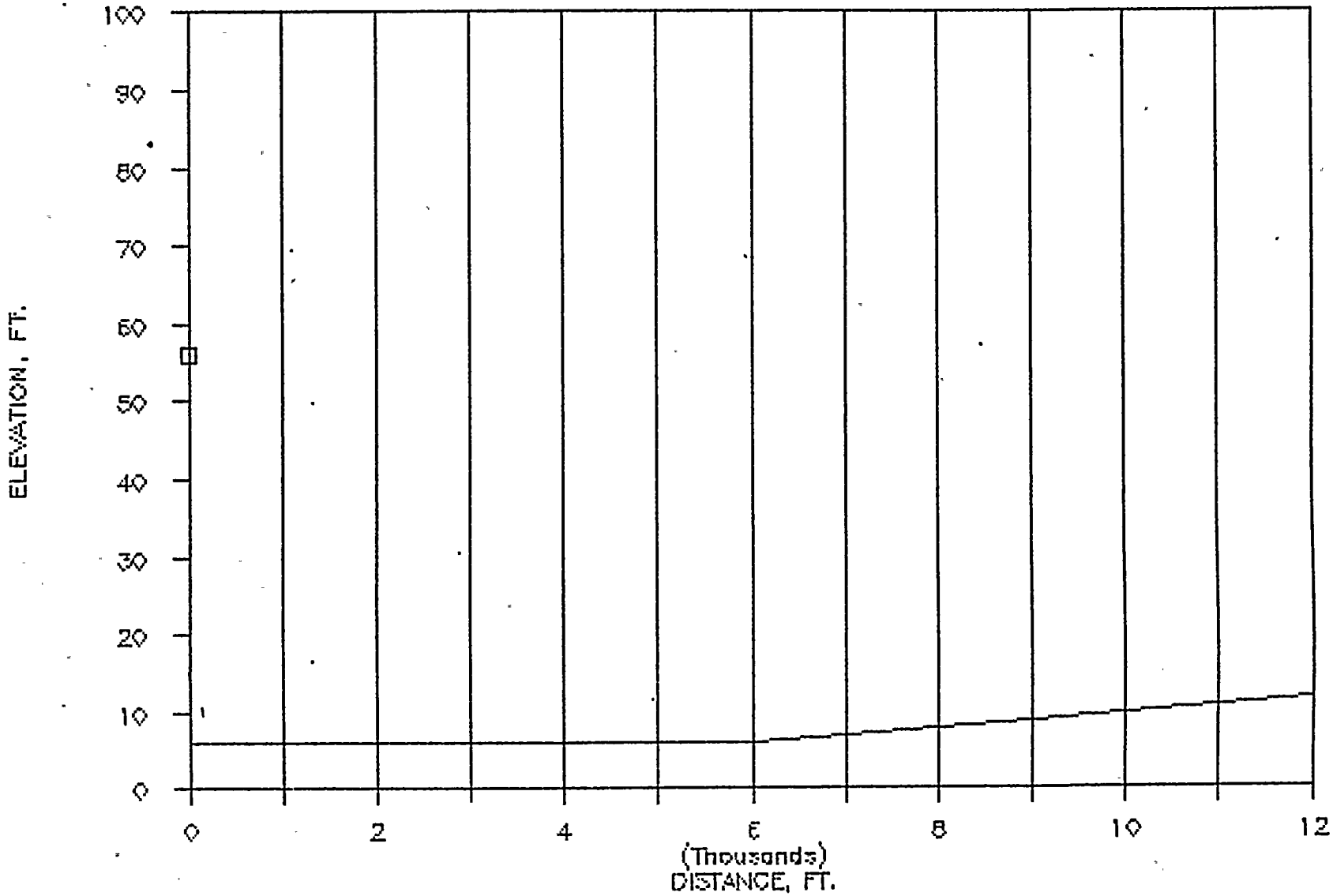
TURKEY POINT 40

AZIMUTH, WNW



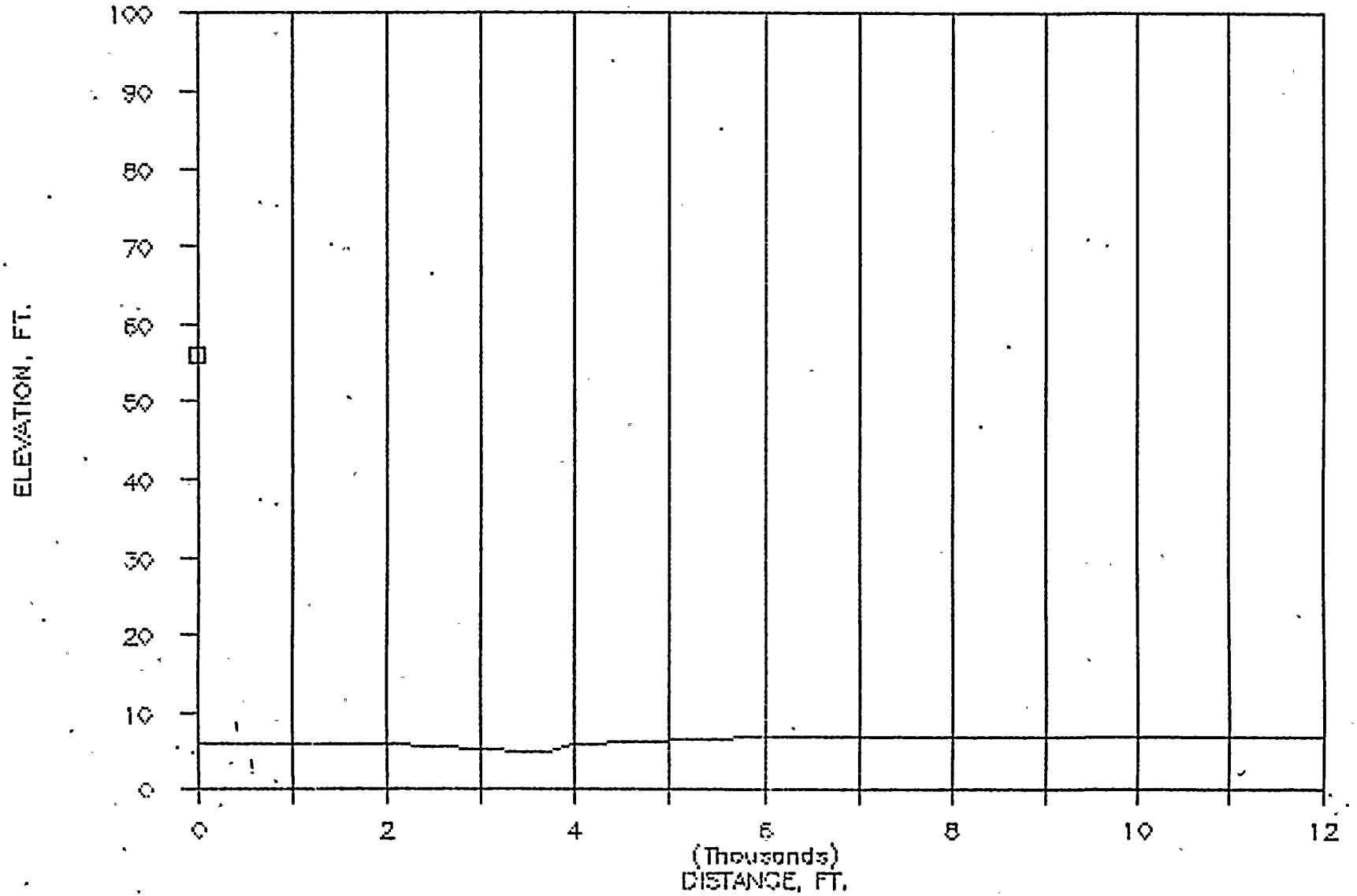
TURKEY POINT 40

AZIMUTH, N



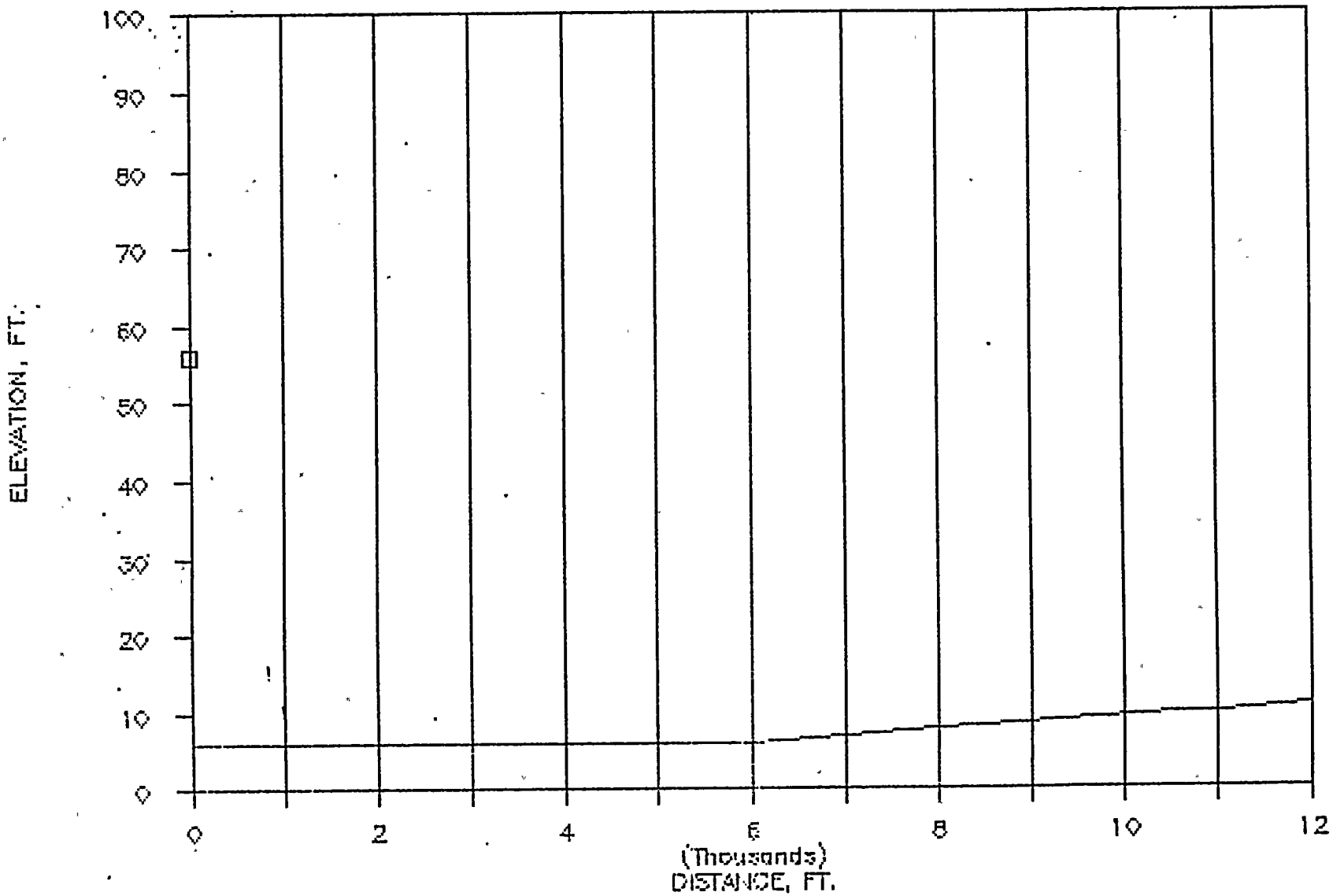
TURKEY POINT-40

AZIMUTH, WSW



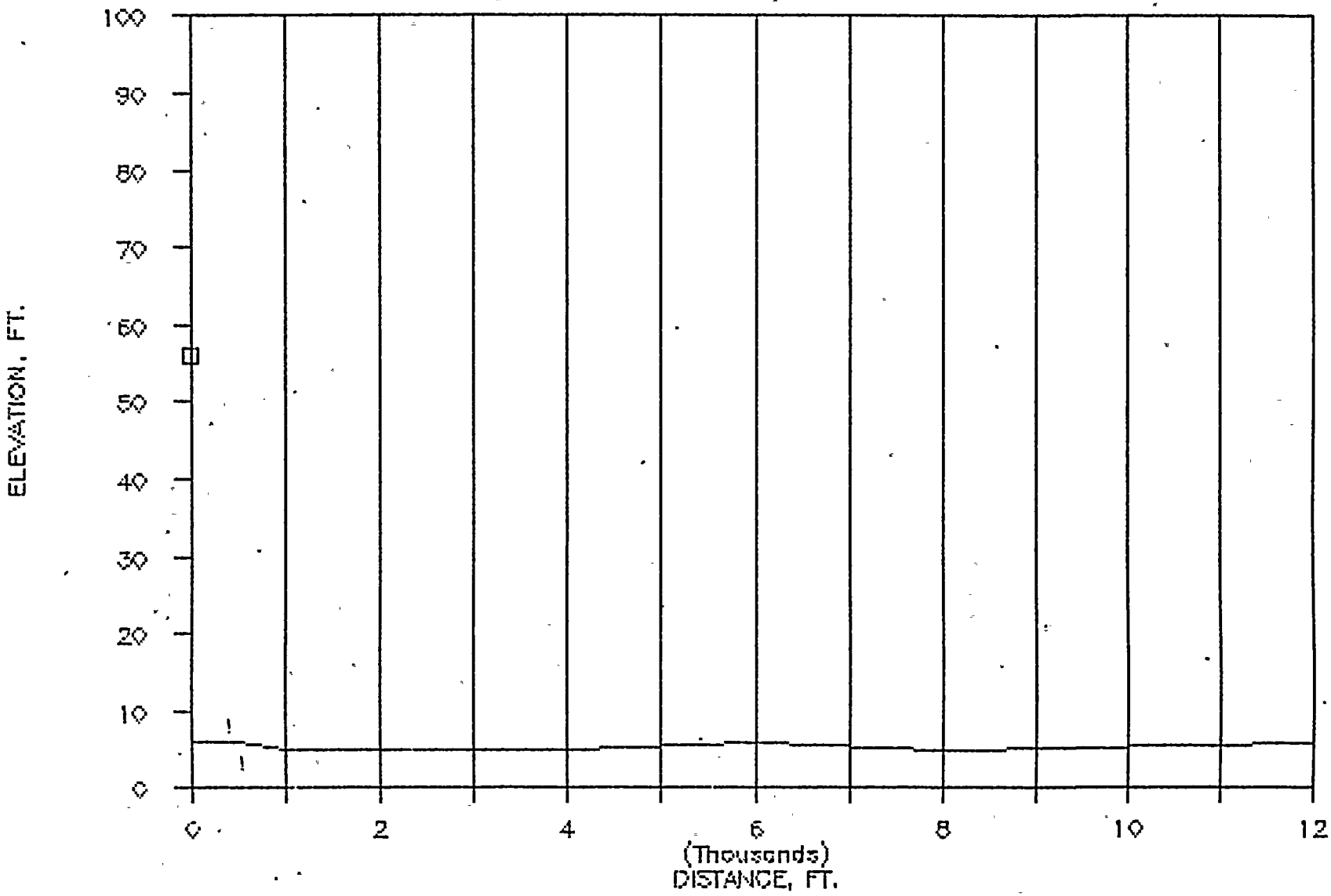
TURKEY POINT 40

AZIMUTH, NW



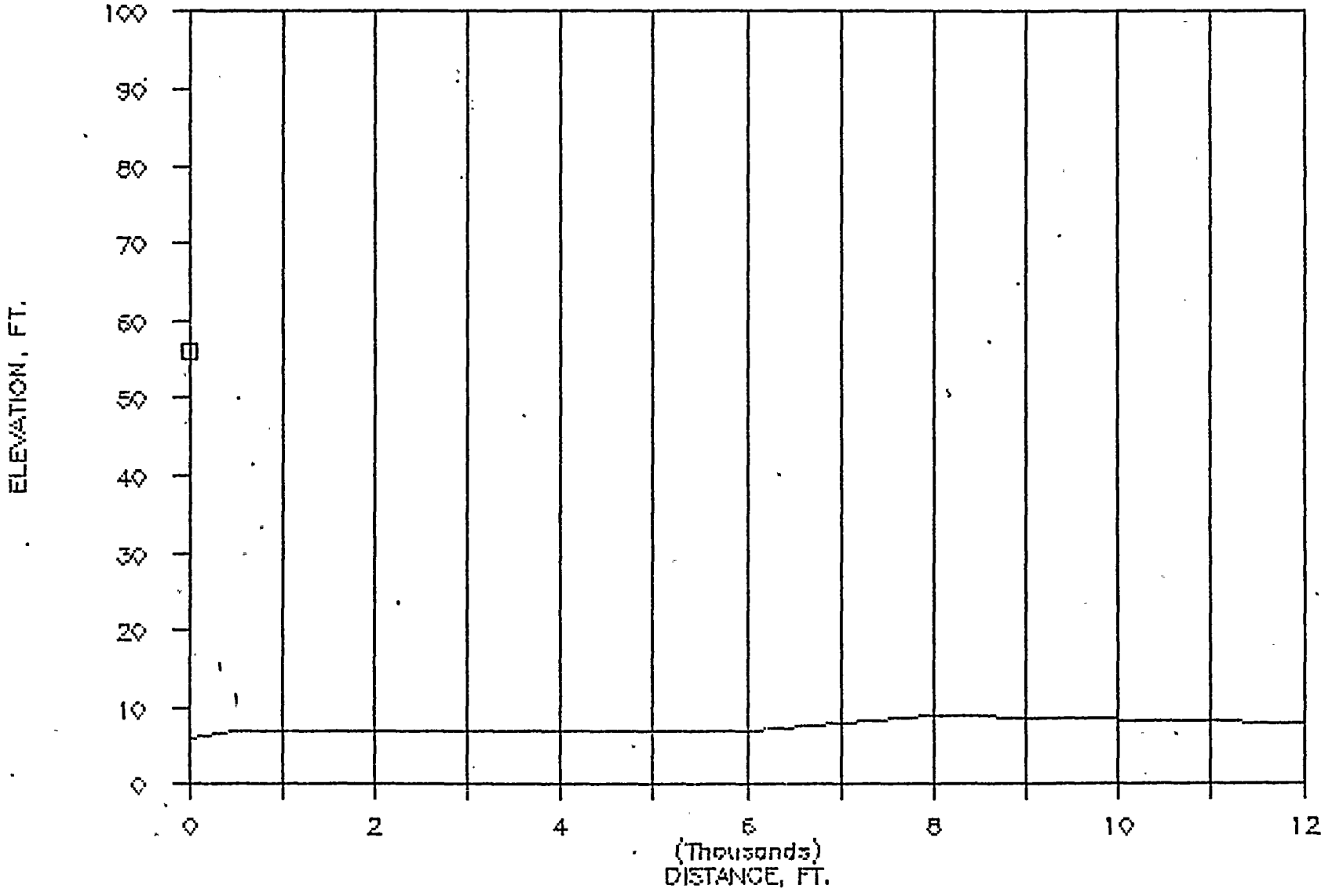
TURKEY POINT 40

AZIMUTH, SSW



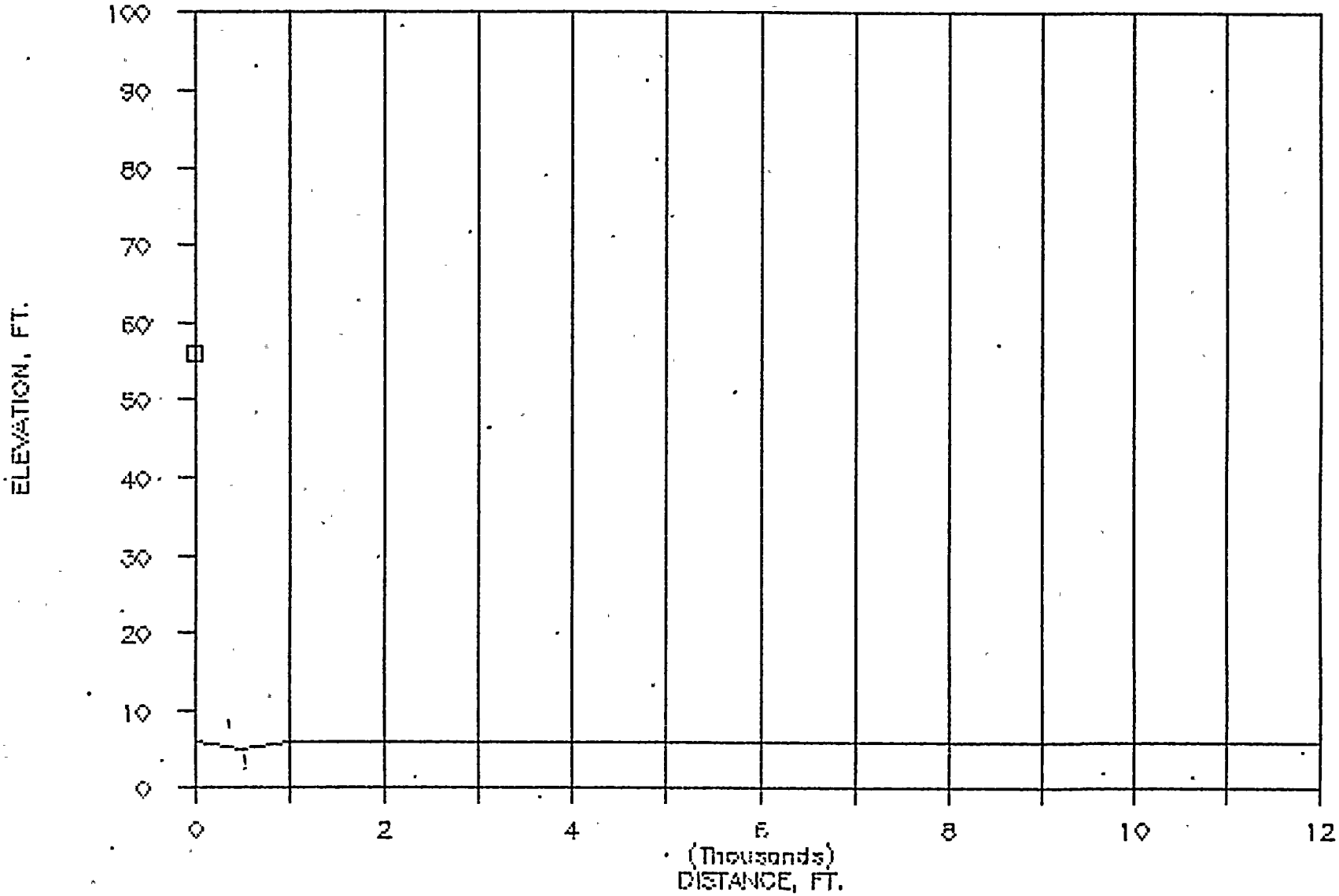
TURKEY POINT 40

AZIMUTH, W



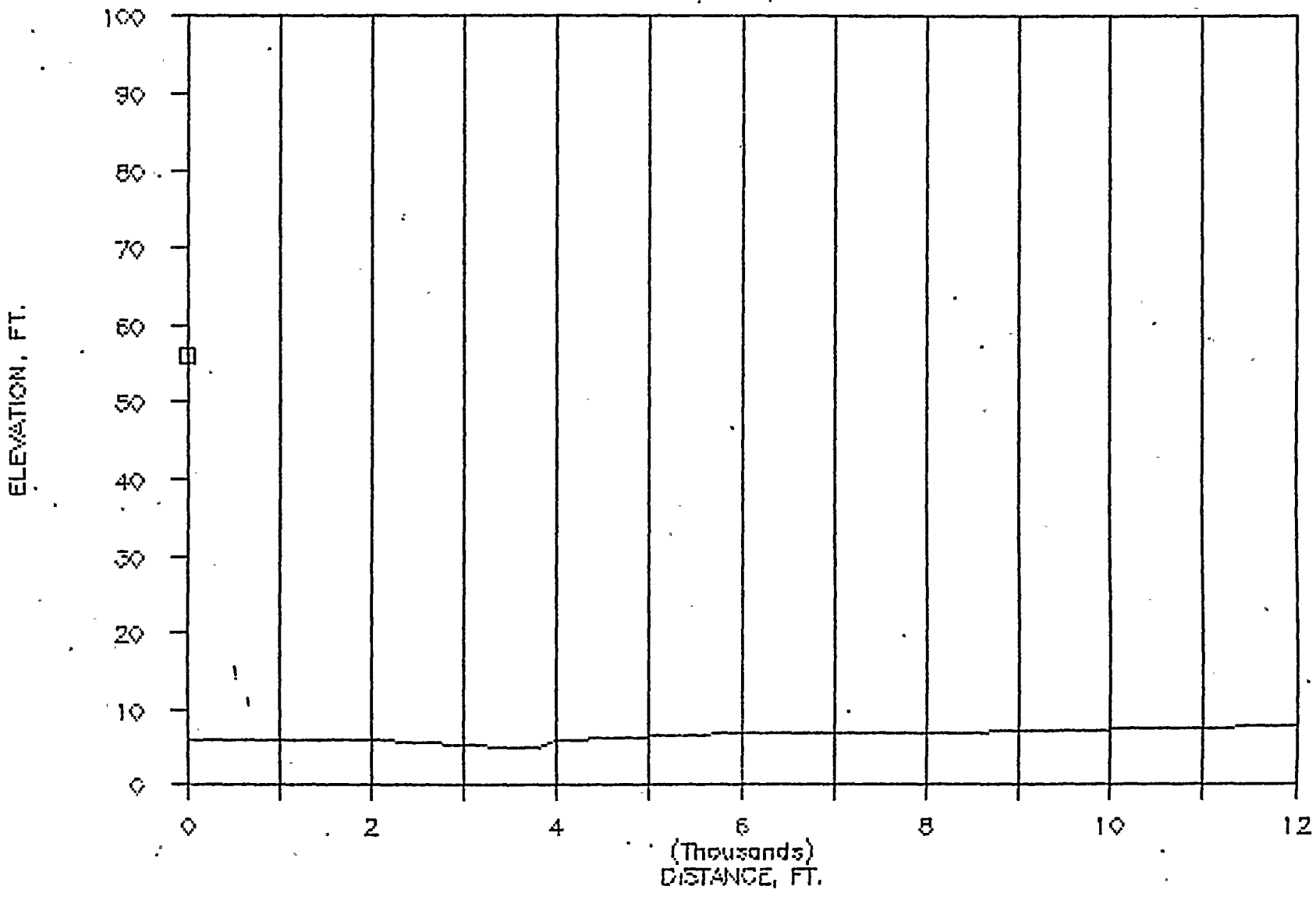
TURKEY POINT 40

AZIMUTH, SSE



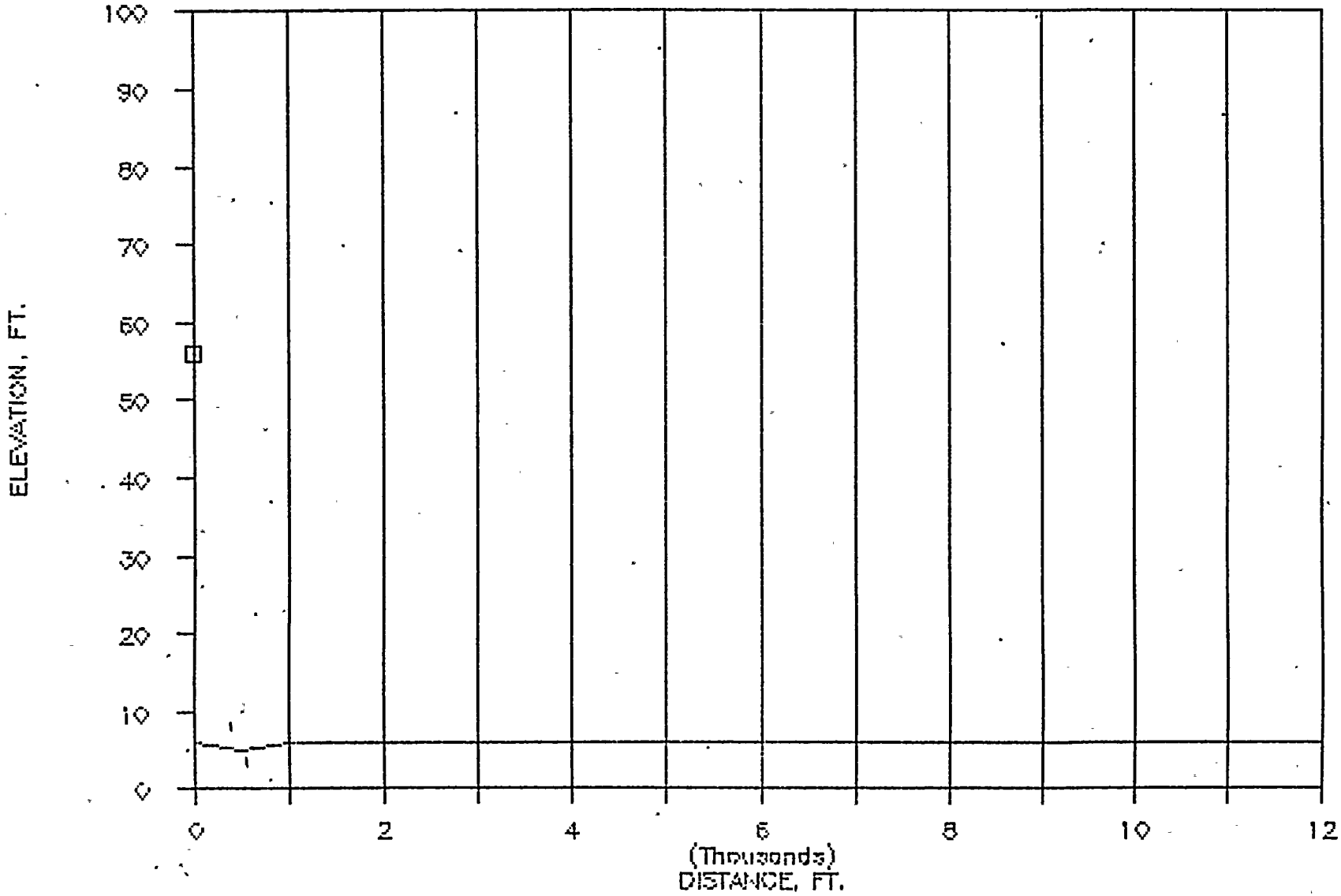
TURKEY POINT 40

AZIMUTH, SW



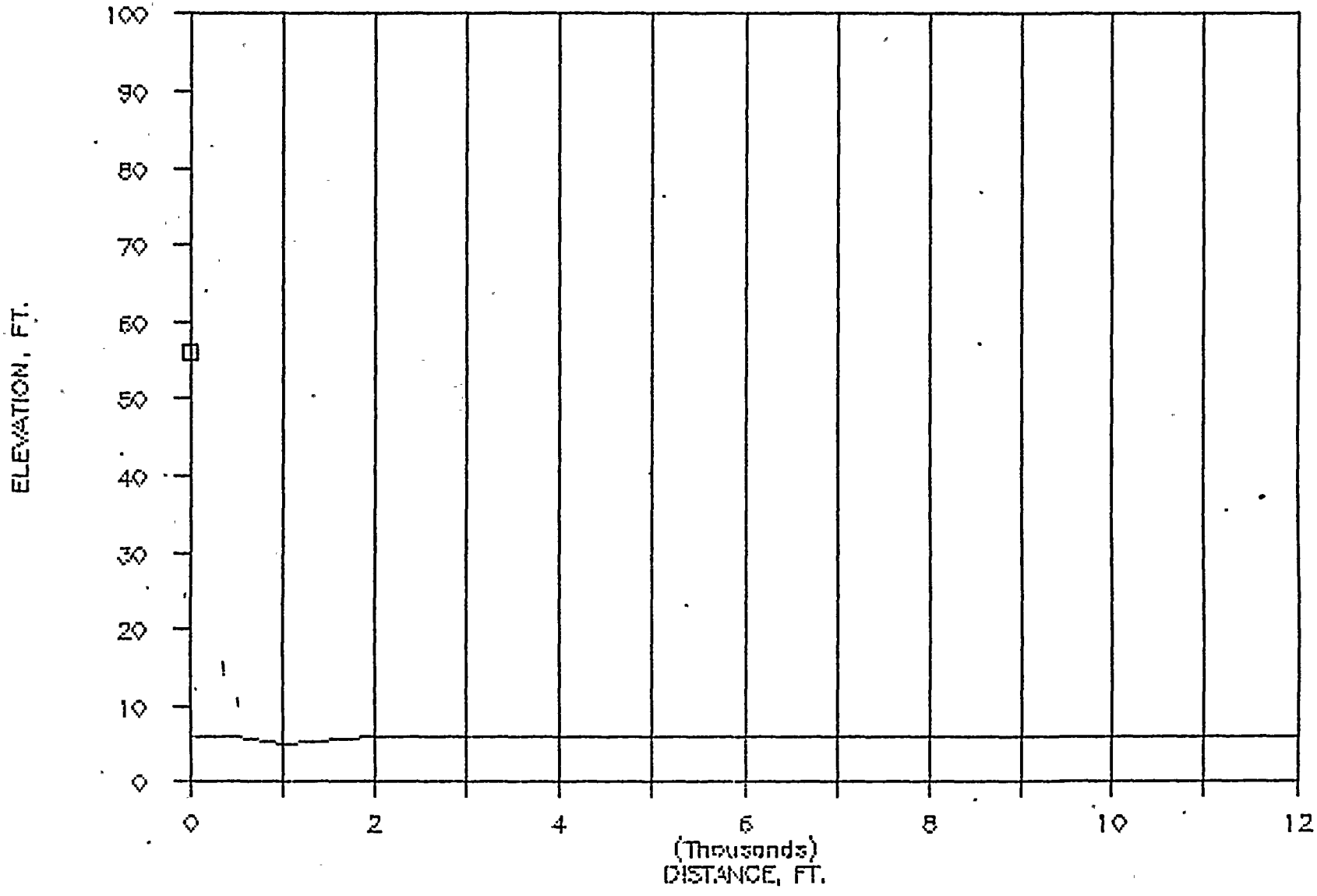
TURKEY POINT 40

AZIMUTH, ESE



TURKEY POINT 40

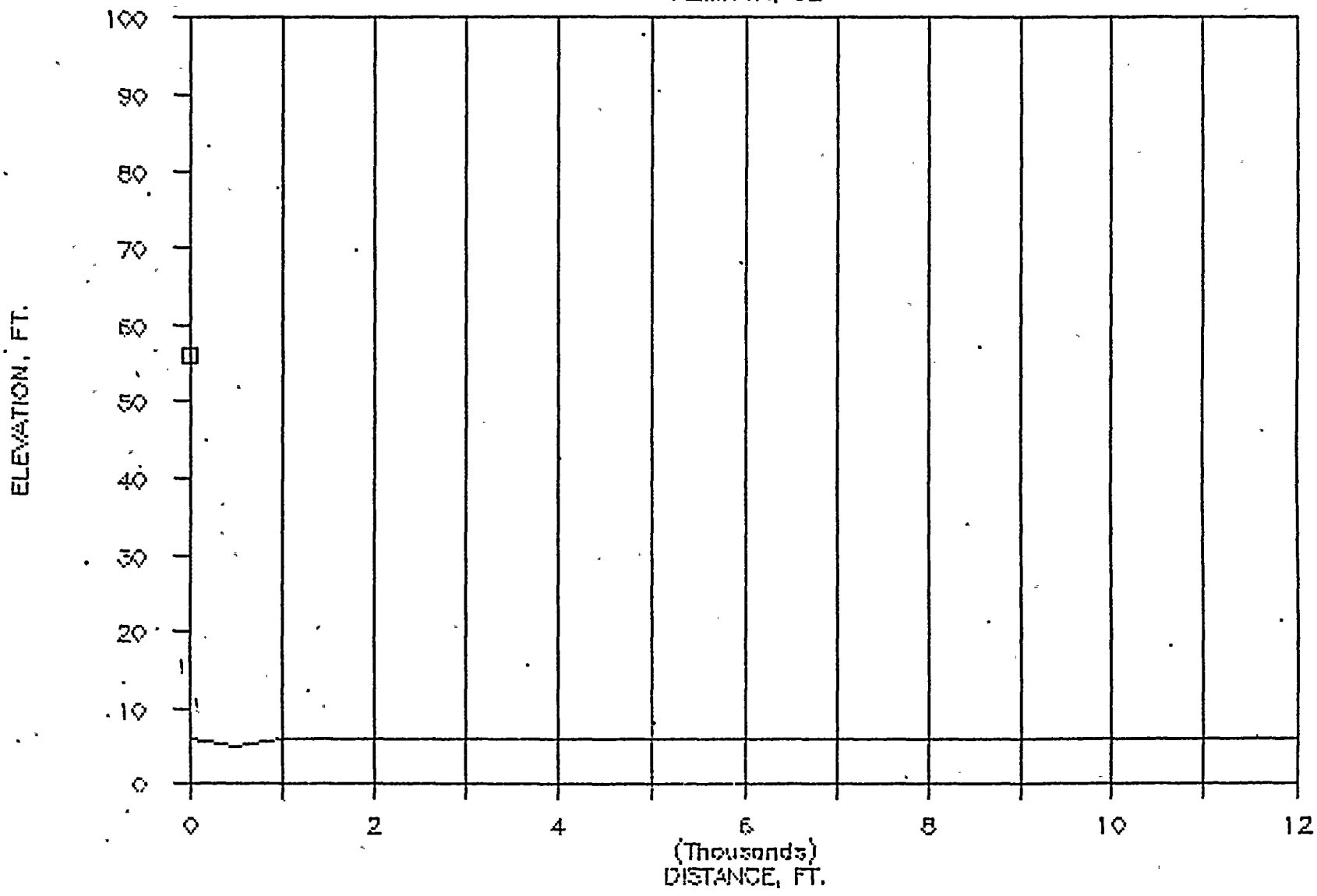
AZIMUTH, S



GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	6.00	HARD	0.	NO	0.	0.
38	2000.	337.50	6.00	HARD	0.	NO	0.	0.
39	4000.	337.50	6.00	HARD	0.	NO	0.	0.
40	6000.	337.50	6.00	HARD	0.	NO	0.	0.
41	8000.	337.50	7.00	HARD	0.	NO	0.	0.
42	12000.	337.50	9.00	HARD	0.	NO	0.	0.
43	500.	315.00	6.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	6.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	6.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	6.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	6.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	8.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	11.00	SOFT	0.	NO	0.	0.
50	500.	292.50	6.00	SOFT	0.	NO	0.	0.
[illegible]	1000.	292.50	6.00	SOFT	0.	NO	0.	0.
[illegible]	2000.	292.50	6.00	SOFT	0.	NO	0.	0.
[illegible]	4000.	292.50	6.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	8.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	8.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	9.00	SOFT	0.	NO	0.	0.
57	500.	270.00	7.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	7.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	7.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	7.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	7.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	9.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	8.00	SOFT	0.	NO	0.	0.
64	500.	247.50	6.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	6.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	6.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	6.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	7.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	7.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	7.00	SOFT	0.	NO	0.	0.
71	500.	225.00	6.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	6.00	SOFT	0.	NO	0.	0.

TURKEY POINT 40

AZIMUTH, SE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #40-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

XO= .00 YO= .00 ZO= 5.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #40-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.06 METERS H2= 60.05 METERS

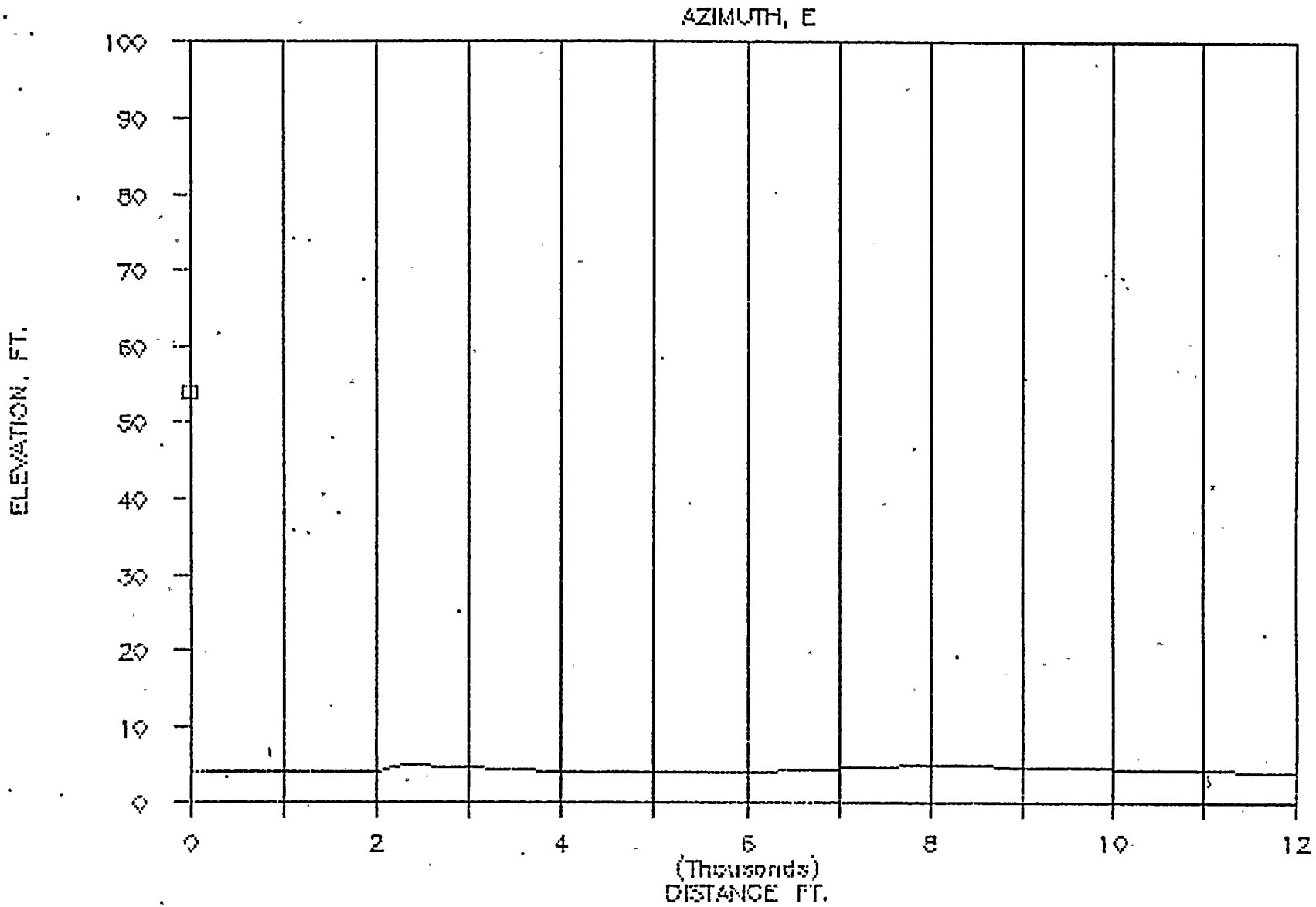
YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #40-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	6.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	6.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	5.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	7.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	7.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	7.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	7.00	SOFT	0.	NO	0.	0.
8	500.	67.50	6.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	6.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	6.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	6.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	6.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	7.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	7.00	SOFT	0.	NO	0.	0.
15	500.	45.00	6.00	SOFT	0.	NO	0.	0.
16	1000.	45.00	6.00	SOFT	0.	NO	0.	0.
17	2000.	45.00	6.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	6.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	6.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	8.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	8.00	SOFT	0.	NO	0.	0.
22	500.	22.50	6.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	6.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	6.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	6.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	6.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	6.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	11.00	SOFT	0.	NO	0.	0.
29	500.	.00	6.00	SOFT	0.	NO	0.	0.
30	1000.	.00	6.00	SOFT	0.	NO	0.	0.
31	2000.	.00	6.00	SOFT	0.	NO	0.	0.
32	4000.	.00	6.00	SOFT	0.	NO	0.	0.
33	6000.	.00	6.00	SOFT	0.	NO	0.	0.
34	8000.	.00	8.00	SOFT	0.	NO	0.	0.
35	12000.	.00	12.00	SOFT	0.	NO	0.	0.
36	500.	337.50	6.00	HARD	0.	NO	0.	0.

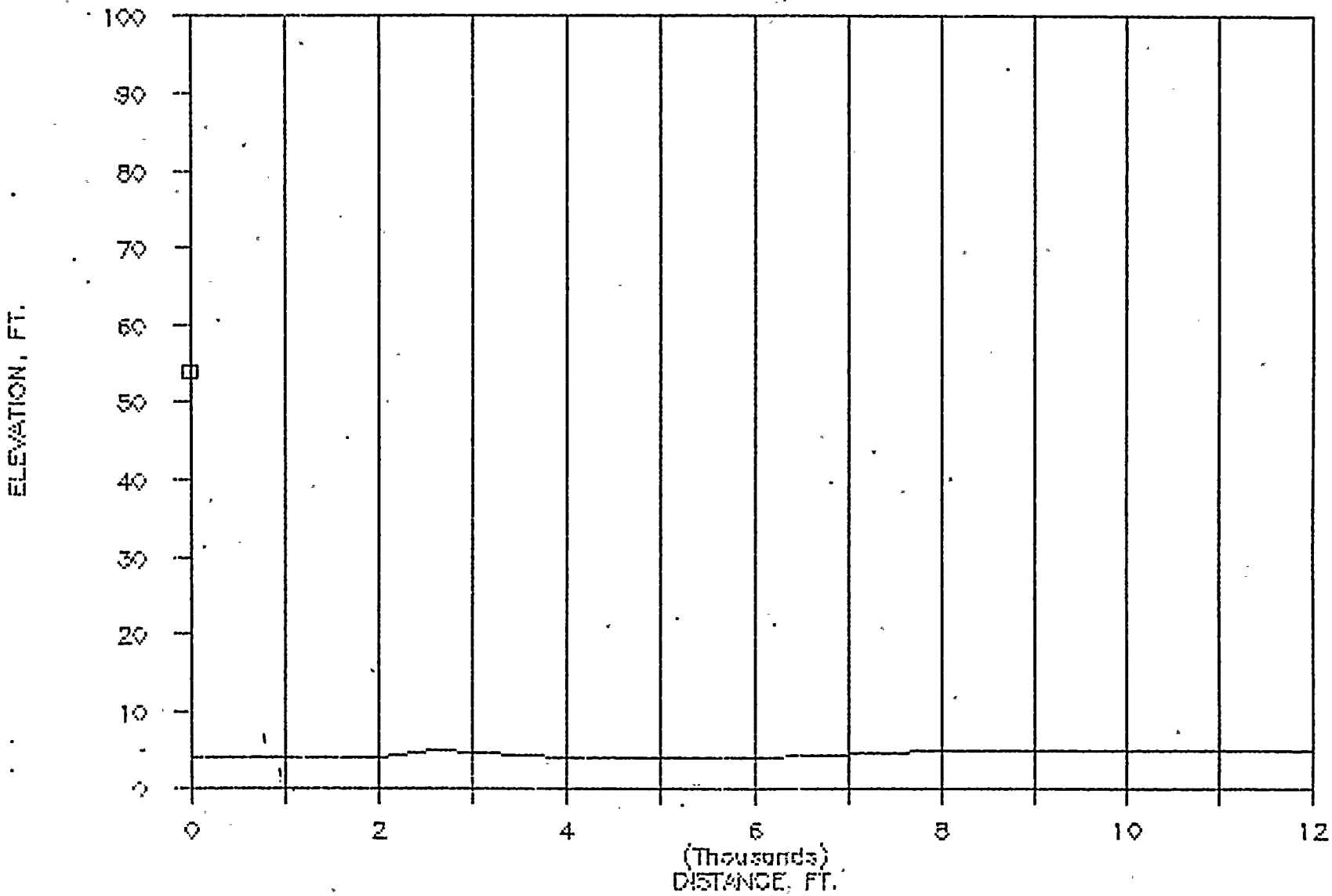
TURKEY POINT 41



GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	6.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	6.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	7.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	7.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	8.00	SOFT	0.	NO	0.	0.
78	500.	202.50	6.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	5.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	5.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	5.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	6.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	5.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	6.00	SOFT	0.	NO	0.	0.
85	500.	180.00	6.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	5.00	SOFT	0.	NO	0.	0.
87	2000.	180.00	6.00	SOFT	0.	NO	0.	0.
88	4000.	180.00	6.00	SOFT	0.	NO	0.	0.
89	6000.	180.00	6.00	SOFT	0.	NO	0.	0.
90	8000.	180.00	6.00	SOFT	0.	NO	0.	0.
91	12000.	180.00	6.00	SOFT	0.	NO	0.	0.
92	500.	157.50	5.00	SOFT	0.	NO	0.	0.
93	1000.	157.50	6.00	SOFT	0.	NO	0.	0.
94	2000.	157.50	6.00	SOFT	0.	NO	0.	0.
95	4000.	157.50	6.00	SOFT	0.	NO	0.	0.
96	6000.	157.50	6.00	SOFT	0.	NO	0.	0.
97	8000.	157.50	6.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	6.00	SOFT	0.	NO	0.	0.
99	500.	135.00	5.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	6.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	6.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	6.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	6.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	6.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	6.00	SOFT	0.	NO	0.	0.
106	500.	112.50	5.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	6.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	6.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	6.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	6.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	6.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	6.00	SOFT	0.	NO	0.	0.

TURKEY POINT 41

AZIMUTH, NE



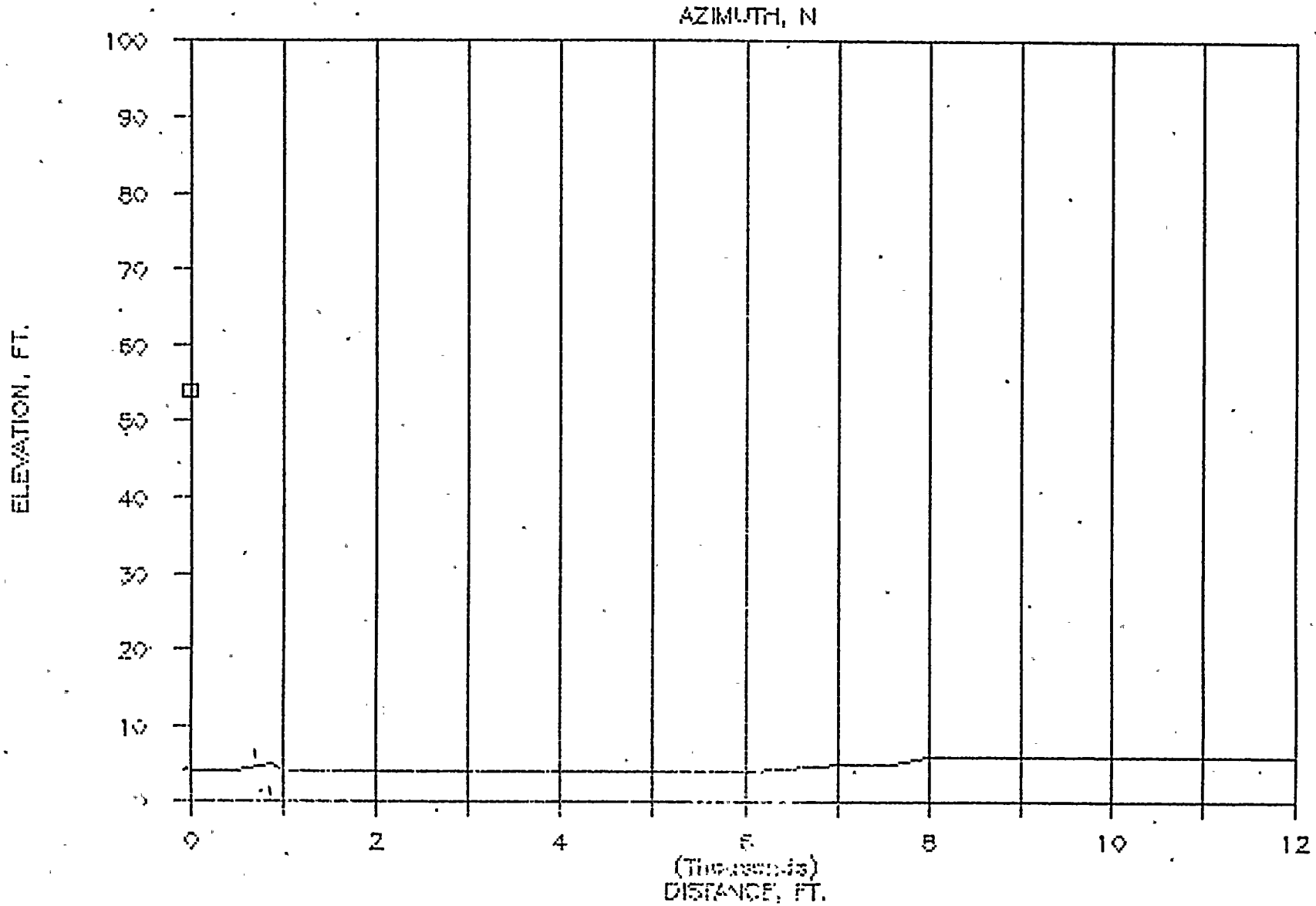
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #40-WS3000

SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

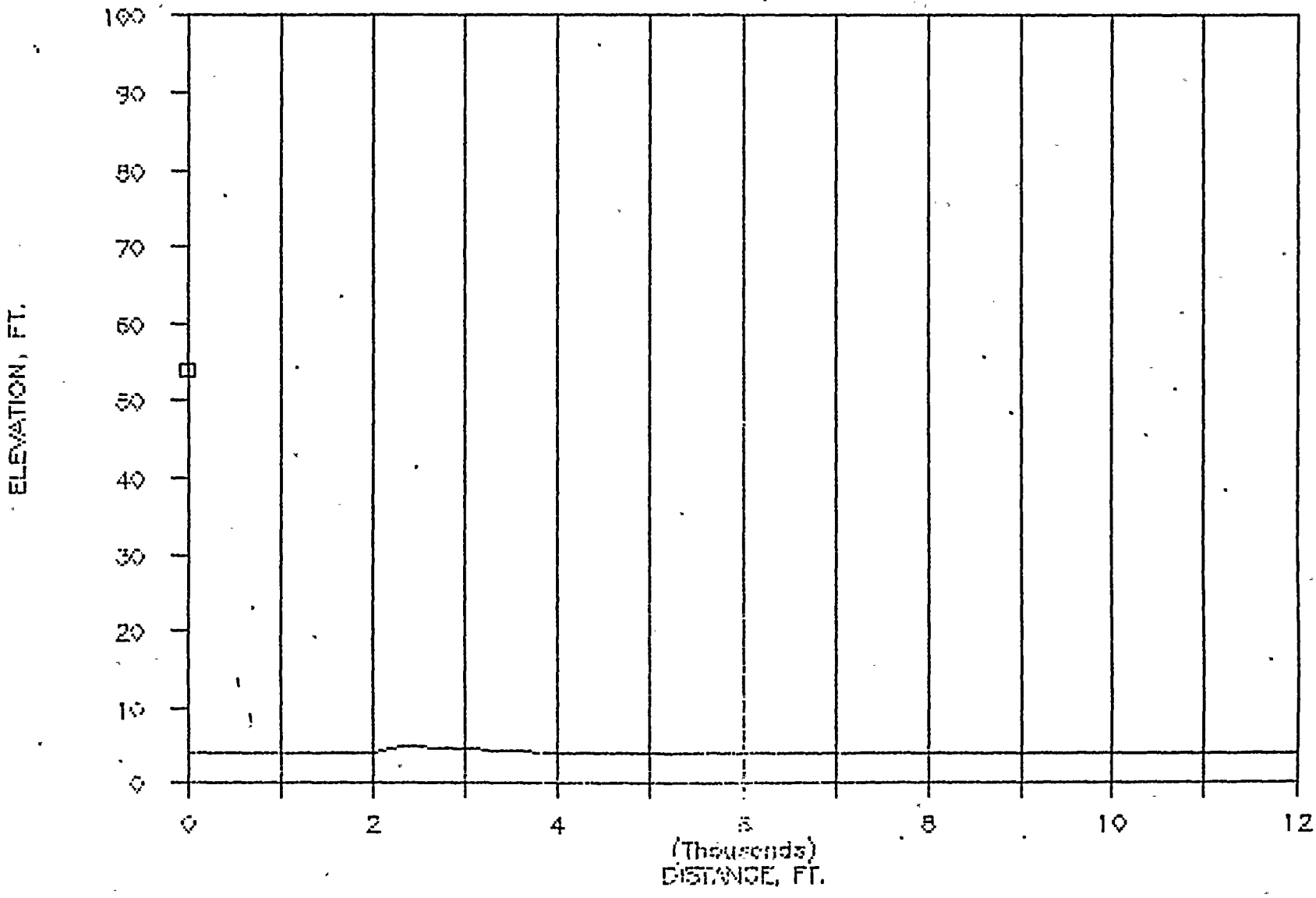
AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	93.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	99.	91.	82.	75.	70.	62.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	92.	70.	45.	40.	36.	29.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	91.	69.	45.	40.	36.	29.

TURKEY POINT 41



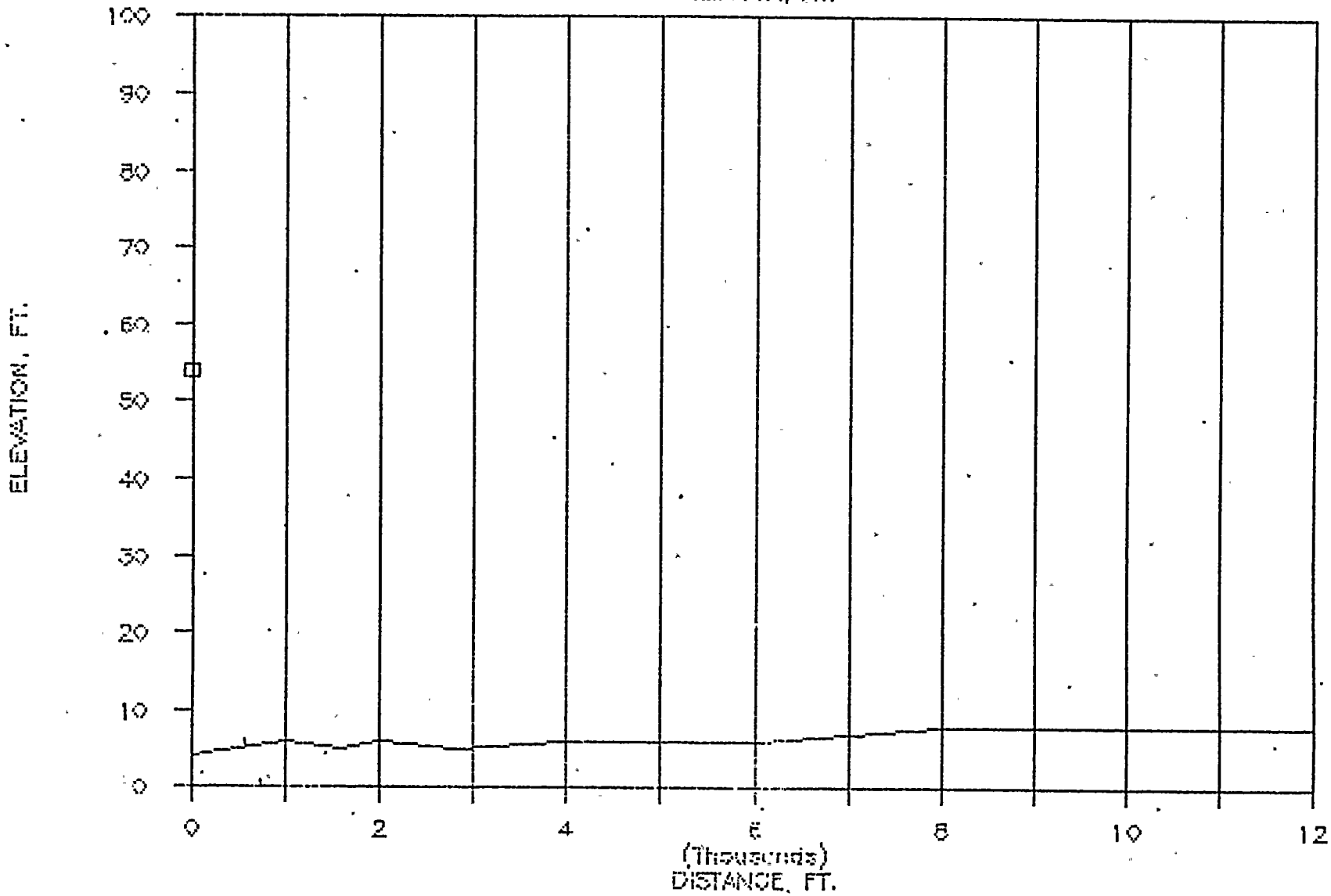
TURKEY POINT 41

AZIMUTH, ENE



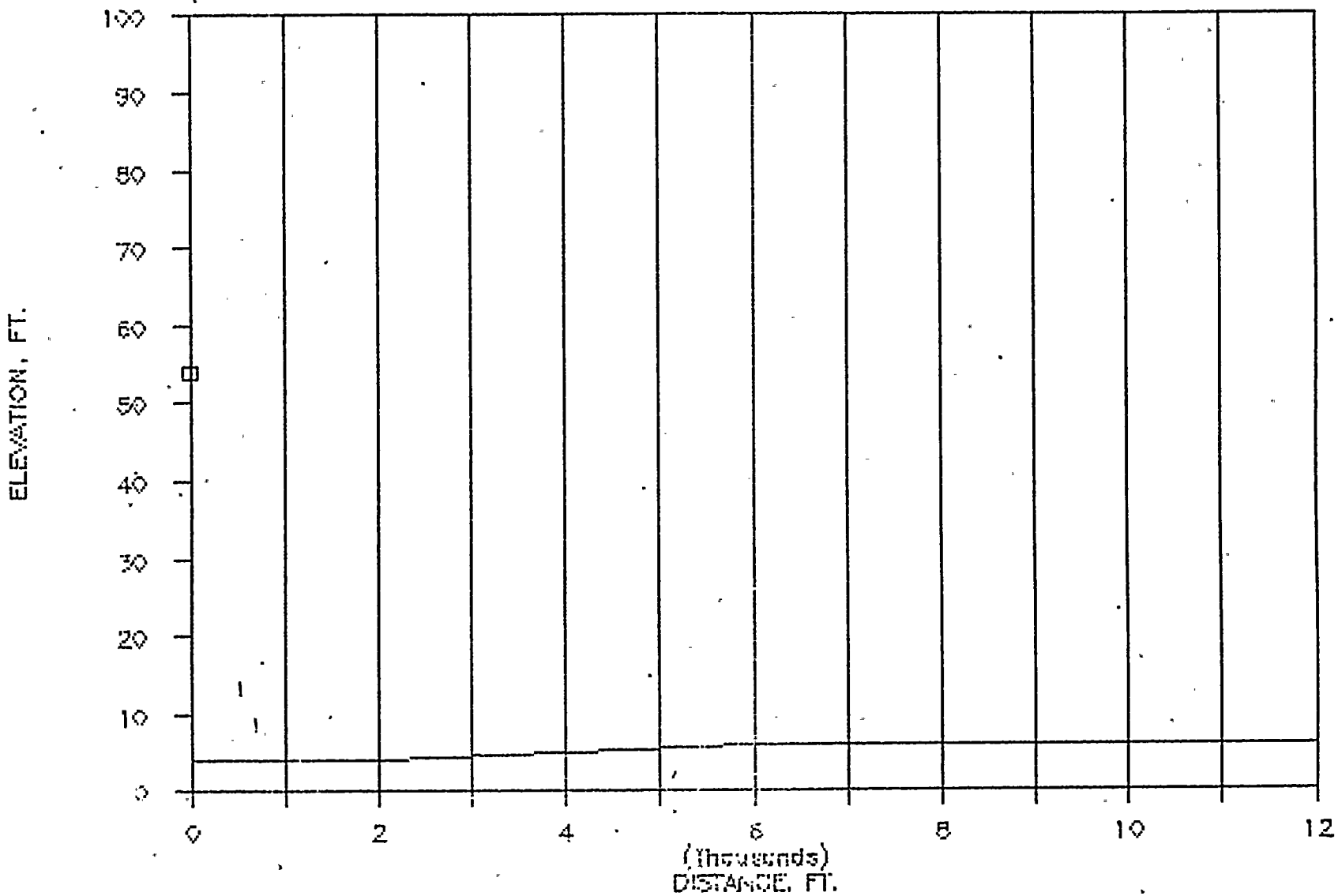
TURKEY POINT 41

AZIMUTH, NW

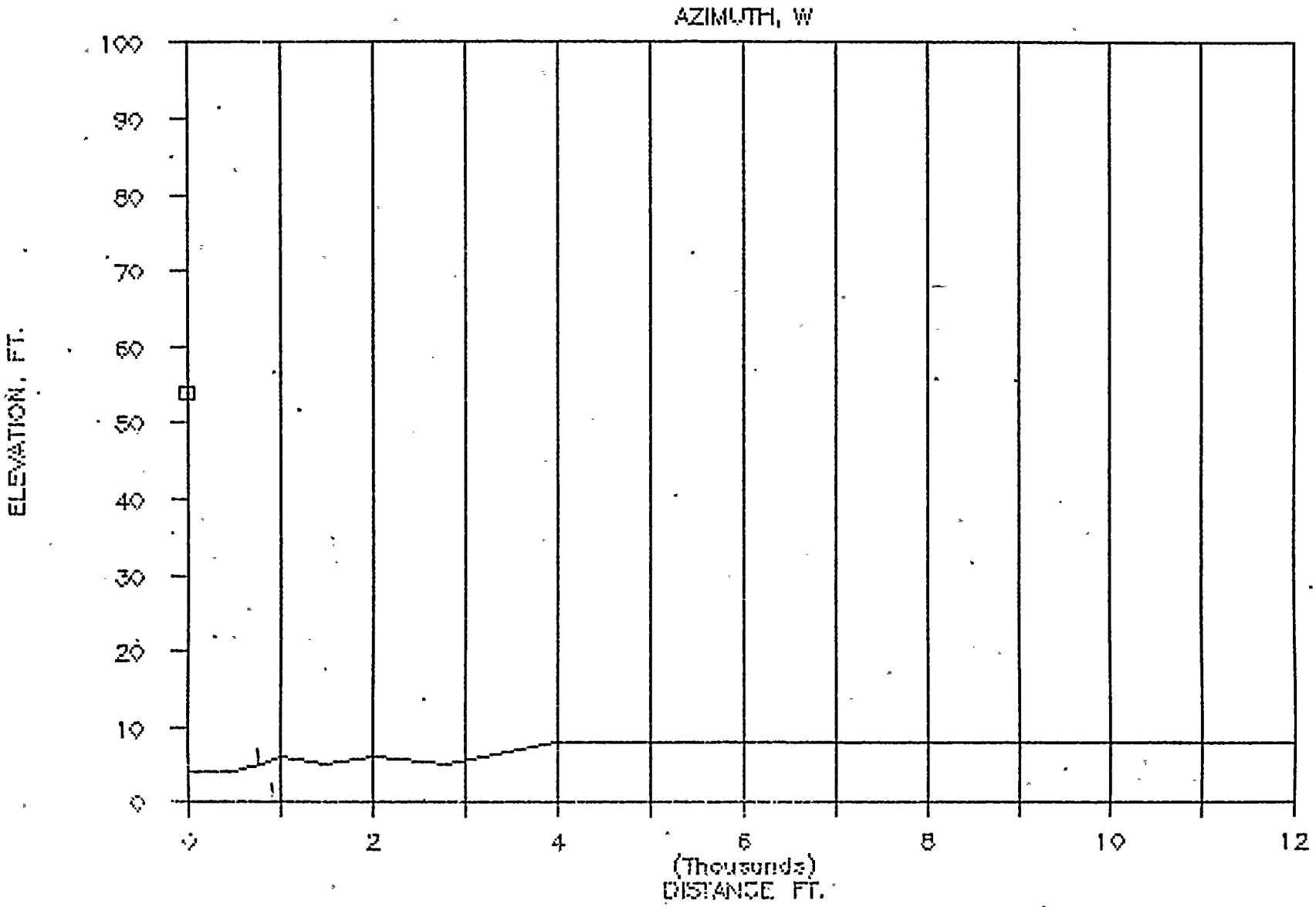


TURKEY POINT 41

AZIMUTH, NNE

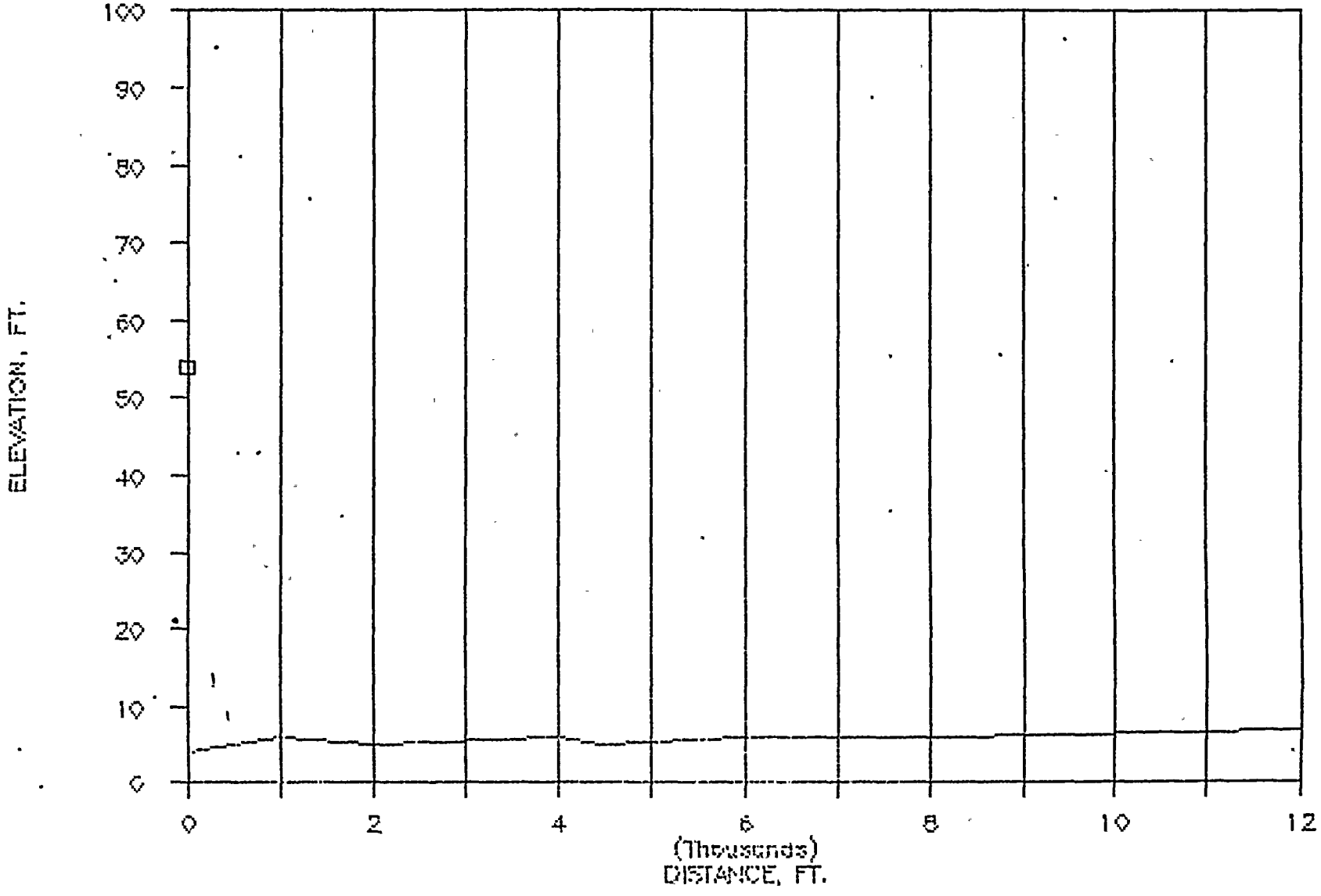


TURKEY POINT 41



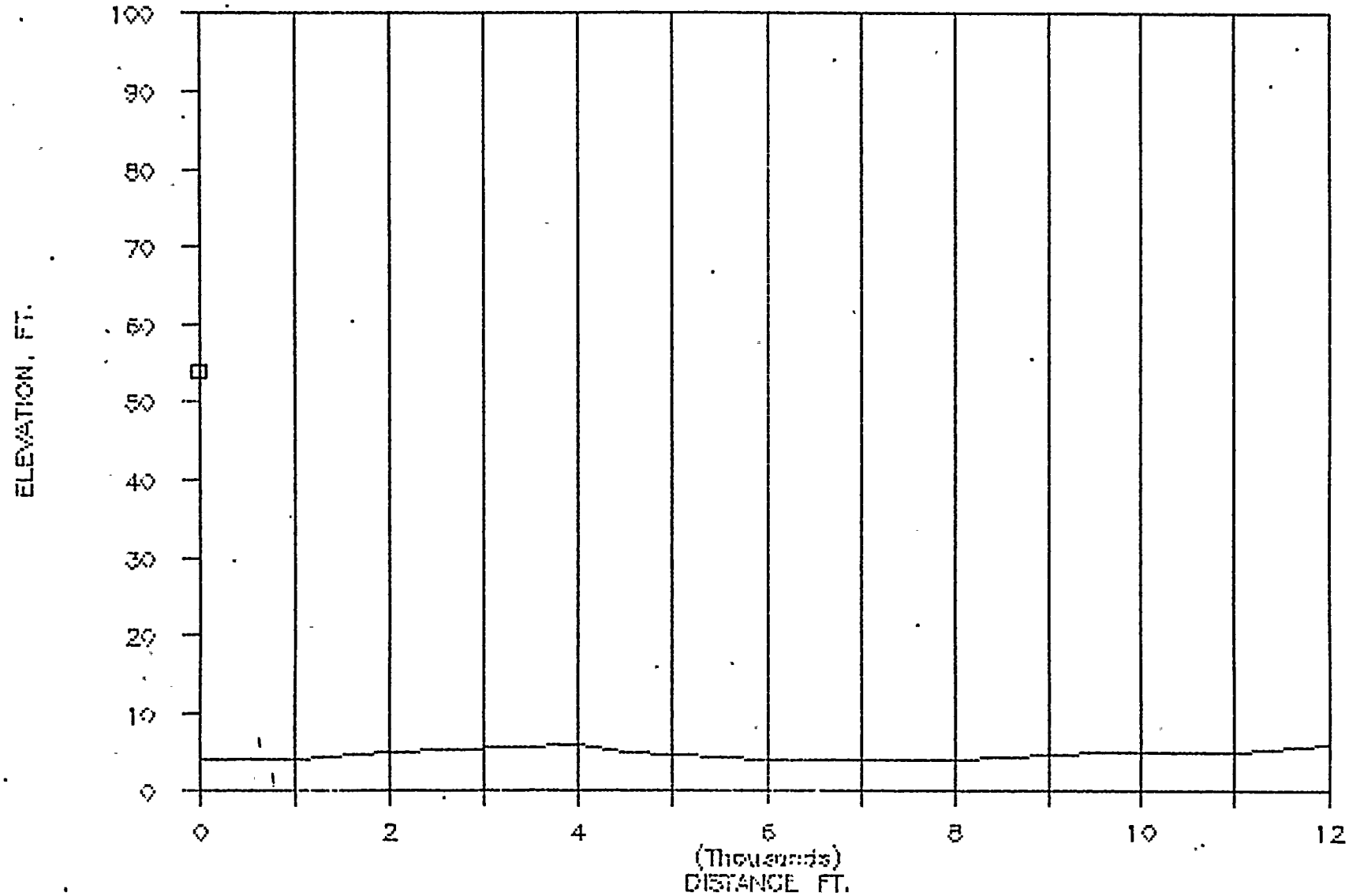
TURKEY POINT 41

AZIMUTH, NNW



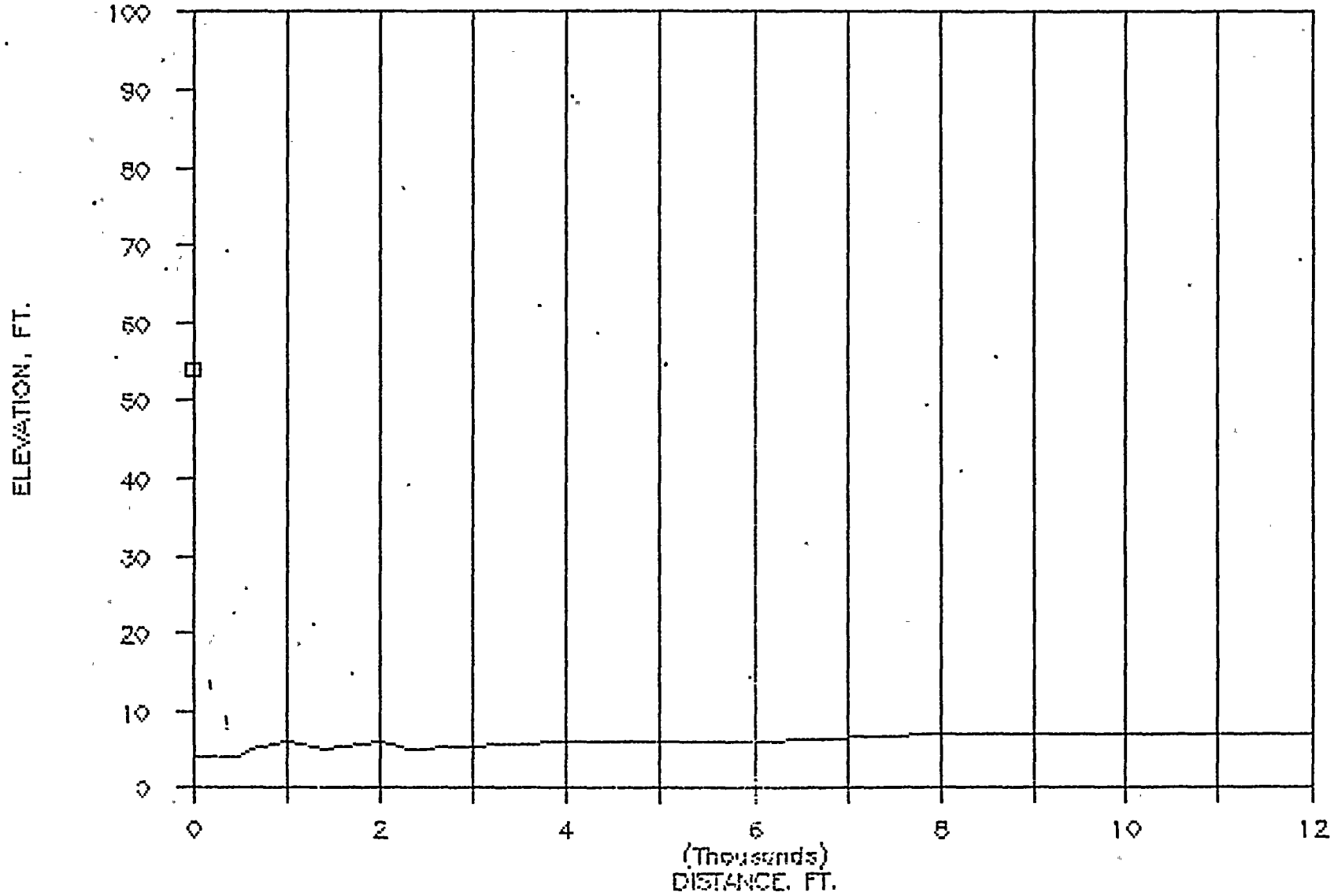
TURKEY POINT 41

AZIMUTH. SW



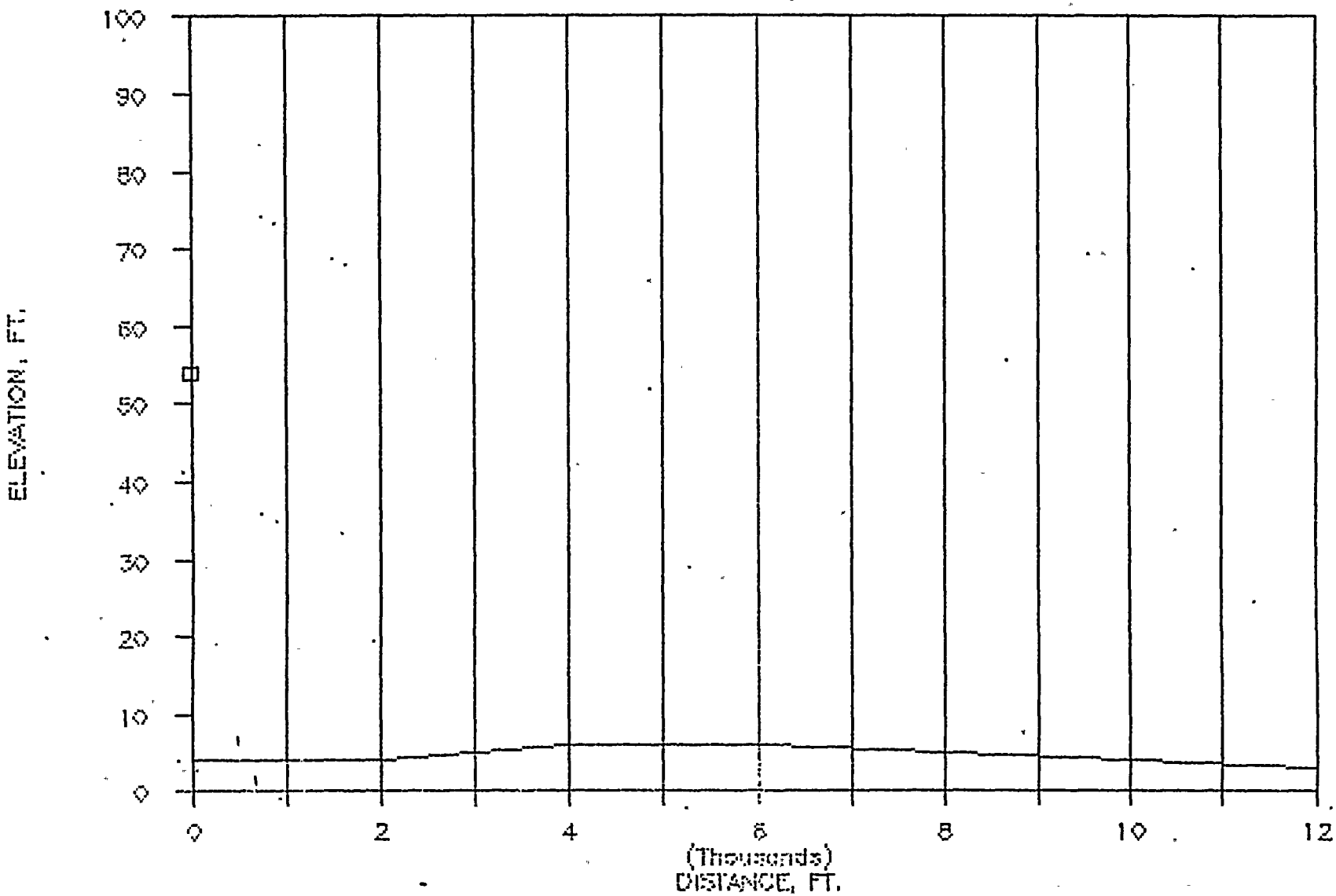
TURKEY POINT 41

AZIMUTH, WNW



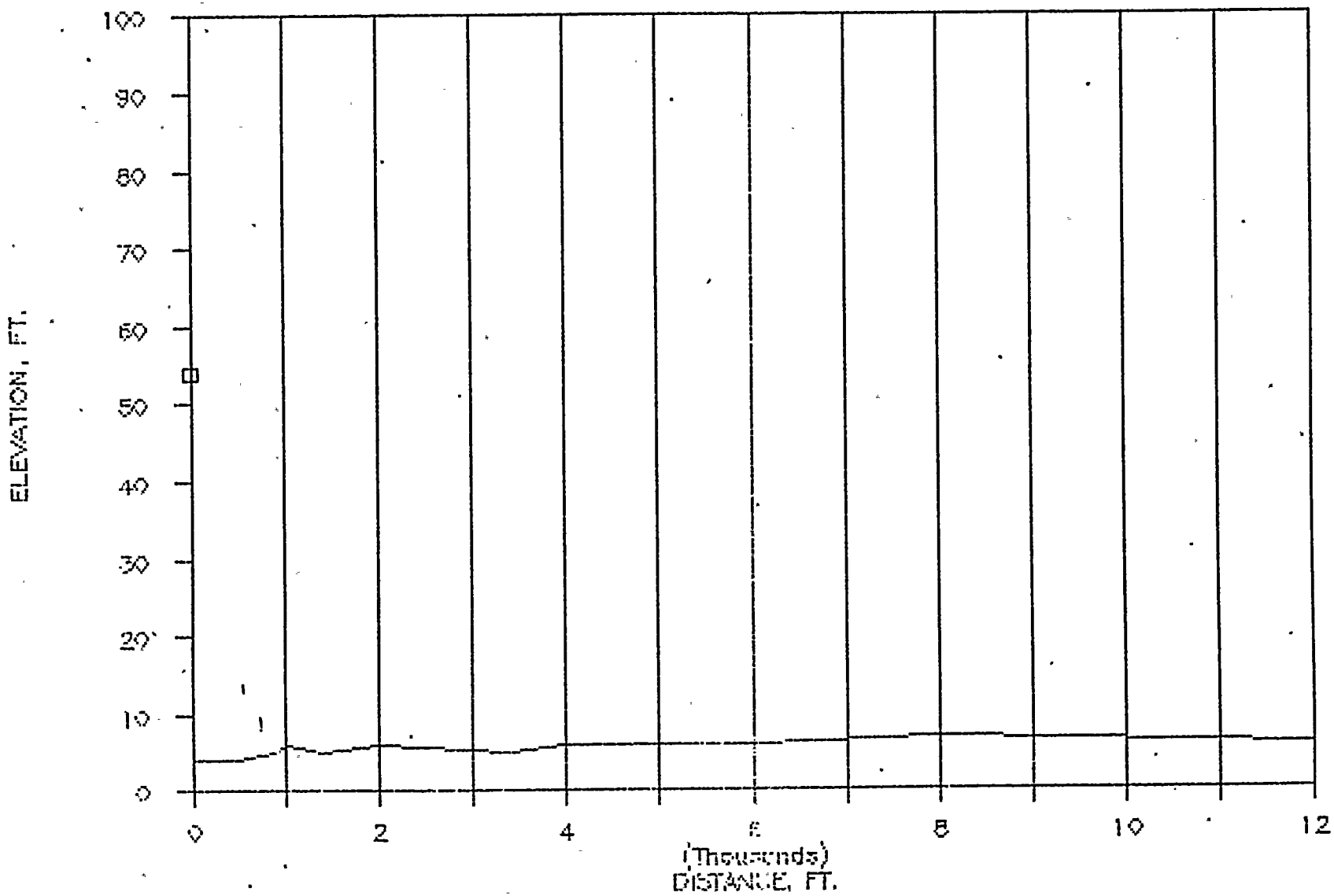
TURKEY POINT 41

AZIMUTH, S



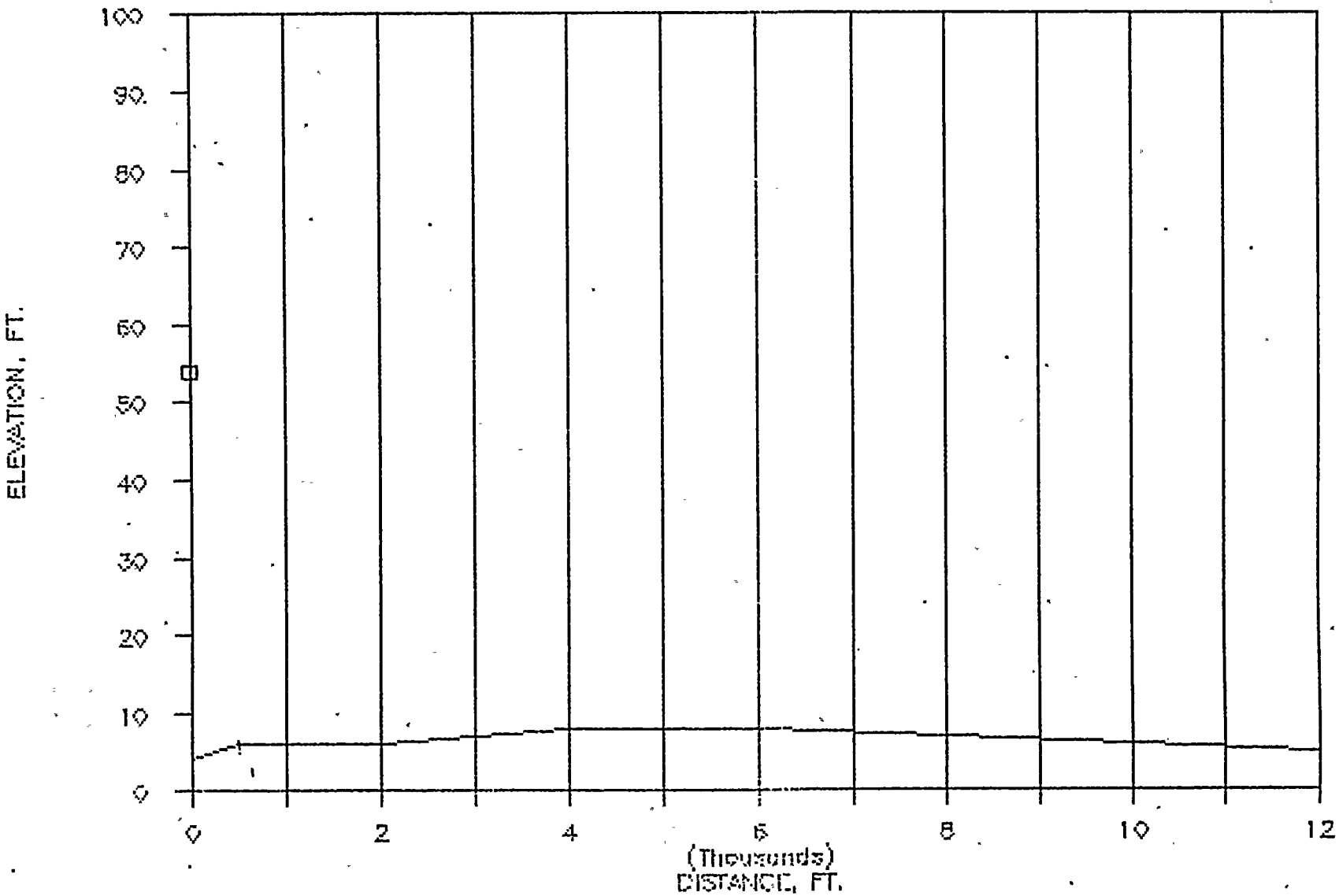
TURKEY POINT 41

AZIMUTH, WSW



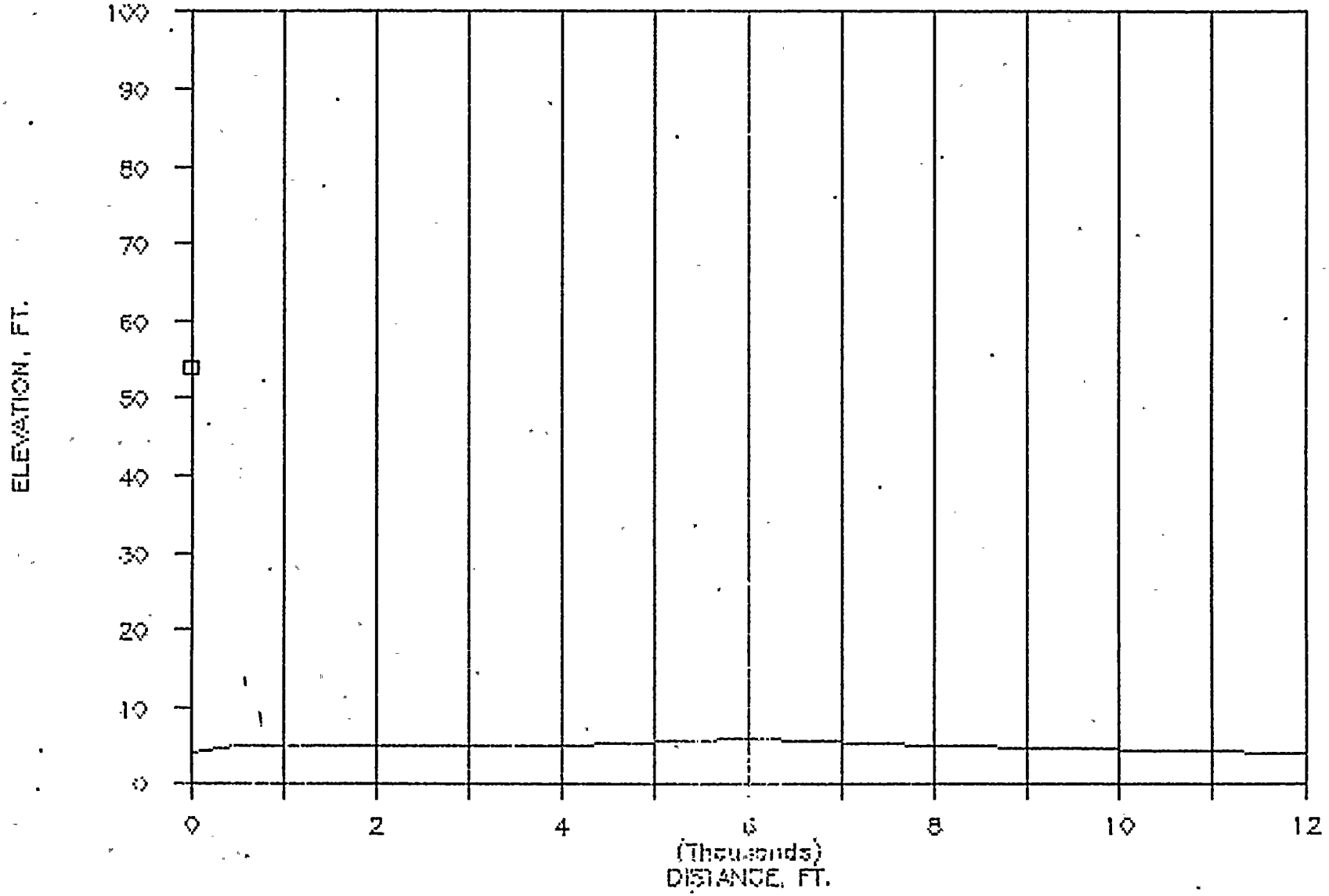
TURKEY POINT 41

AZIMUTH, SE



TURKEY POINT 41

AZIMUTH, SSW



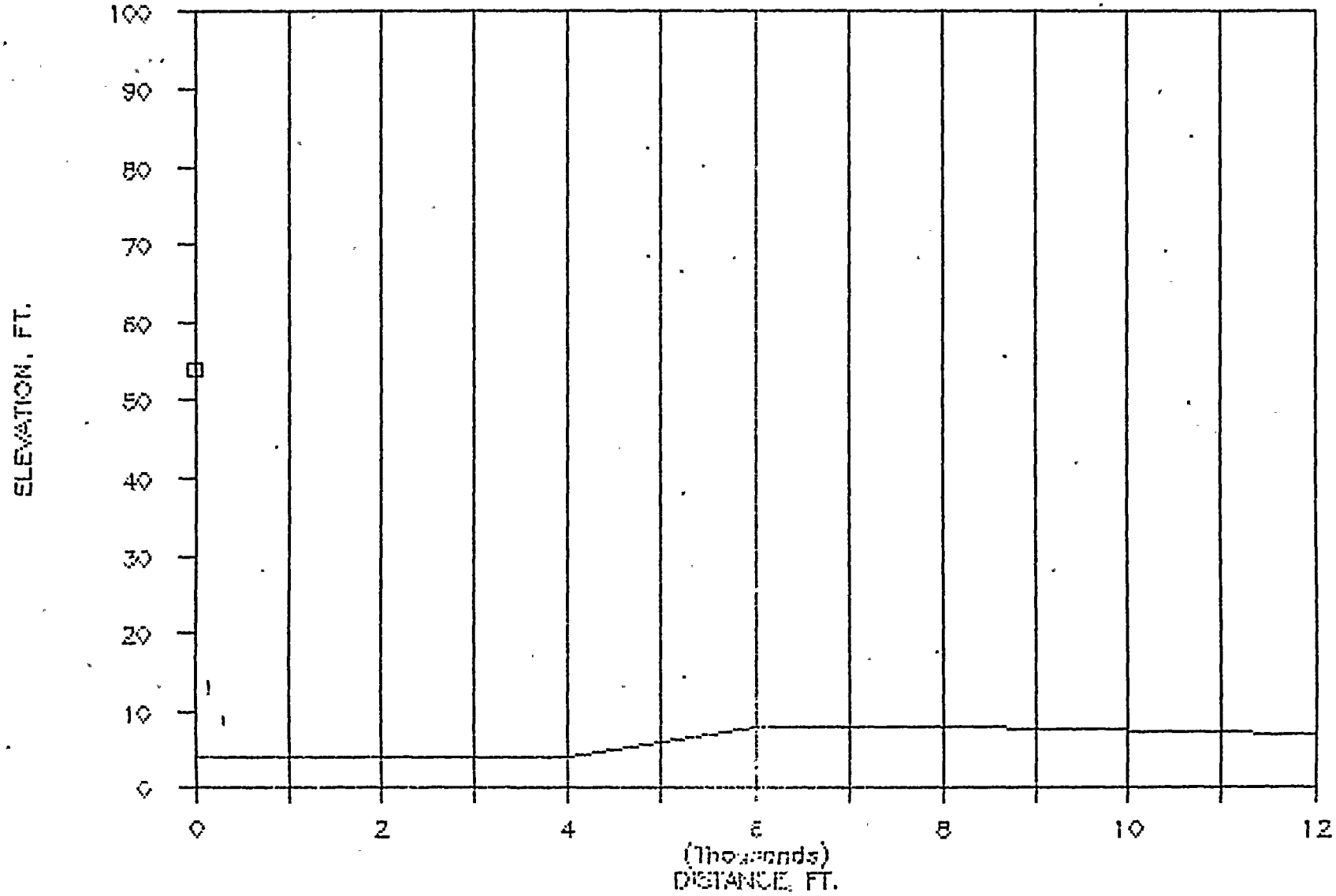
FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #41-WS3000
SOURCE-RECEIVER TOPOGRAPHICAL INPUTS

ALL BEARINGS ARE WITH RESPECT TO THE NORTH MEASURING CLOCKWISE

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
1	500.	90.00	4.00	SOFT	0.	NO	0.	0.
2	1000.	90.00	4.00	SOFT	0.	NO	0.	0.
3	2000.	90.00	4.00	SOFT	0.	NO	0.	0.
4	4000.	90.00	4.00	SOFT	0.	NO	0.	0.
5	6000.	90.00	4.00	SOFT	0.	NO	0.	0.
6	8000.	90.00	5.00	SOFT	0.	NO	0.	0.
7	12000.	90.00	4.00	SOFT	0.	NO	0.	0.
8	500.	67.50	4.00	SOFT	0.	NO	0.	0.
9	1000.	67.50	4.00	SOFT	0.	NO	0.	0.
10	2000.	67.50	4.00	SOFT	0.	NO	0.	0.
11	4000.	67.50	4.00	SOFT	0.	NO	0.	0.
12	6000.	67.50	4.00	SOFT	0.	NO	0.	0.
13	8000.	67.50	4.00	SOFT	0.	NO	0.	0.
14	12000.	67.50	4.00	SOFT	0.	NO	0.	0.
15	500.	45.00	4.00	SOFT	0.	NO	0.	0.
[illegible]	1000.	45.00	4.00	SOFT	0.	NO	0.	0.
[illegible]	2000.	45.00	4.00	SOFT	0.	NO	0.	0.
18	4000.	45.00	4.00	SOFT	0.	NO	0.	0.
19	6000.	45.00	4.00	SOFT	0.	NO	0.	0.
20	8000.	45.00	5.00	SOFT	0.	NO	0.	0.
21	12000.	45.00	5.00	SOFT	0.	NO	0.	0.
22	500.	22.50	4.00	SOFT	0.	NO	0.	0.
23	1000.	22.50	4.00	SOFT	0.	NO	0.	0.
24	2000.	22.50	4.00	SOFT	0.	NO	0.	0.
25	4000.	22.50	5.00	SOFT	0.	NO	0.	0.
26	6000.	22.50	6.00	SOFT	0.	NO	0.	0.
27	8000.	22.50	6.00	SOFT	0.	NO	0.	0.
28	12000.	22.50	6.00	SOFT	0.	NO	0.	0.
29	500.	.00	4.00	SOFT	0.	NO	0.	0.
30	1000.	.00	4.00	SOFT	0.	NO	0.	0.
31	2000.	.00	4.00	SOFT	0.	NO	0.	0.
32	4000.	.00	4.00	SOFT	0.	NO	0.	0.
33	6000.	.00	4.00	SOFT	0.	NO	0.	0.
34	8000.	.00	6.00	SOFT	0.	NO	0.	0.
35	12000.	.00	6.00	SOFT	0.	NO	0.	0.
36	500.	337.50	5.00	SOFT	0.	NO	0.	0.

TURKEY POINT 41

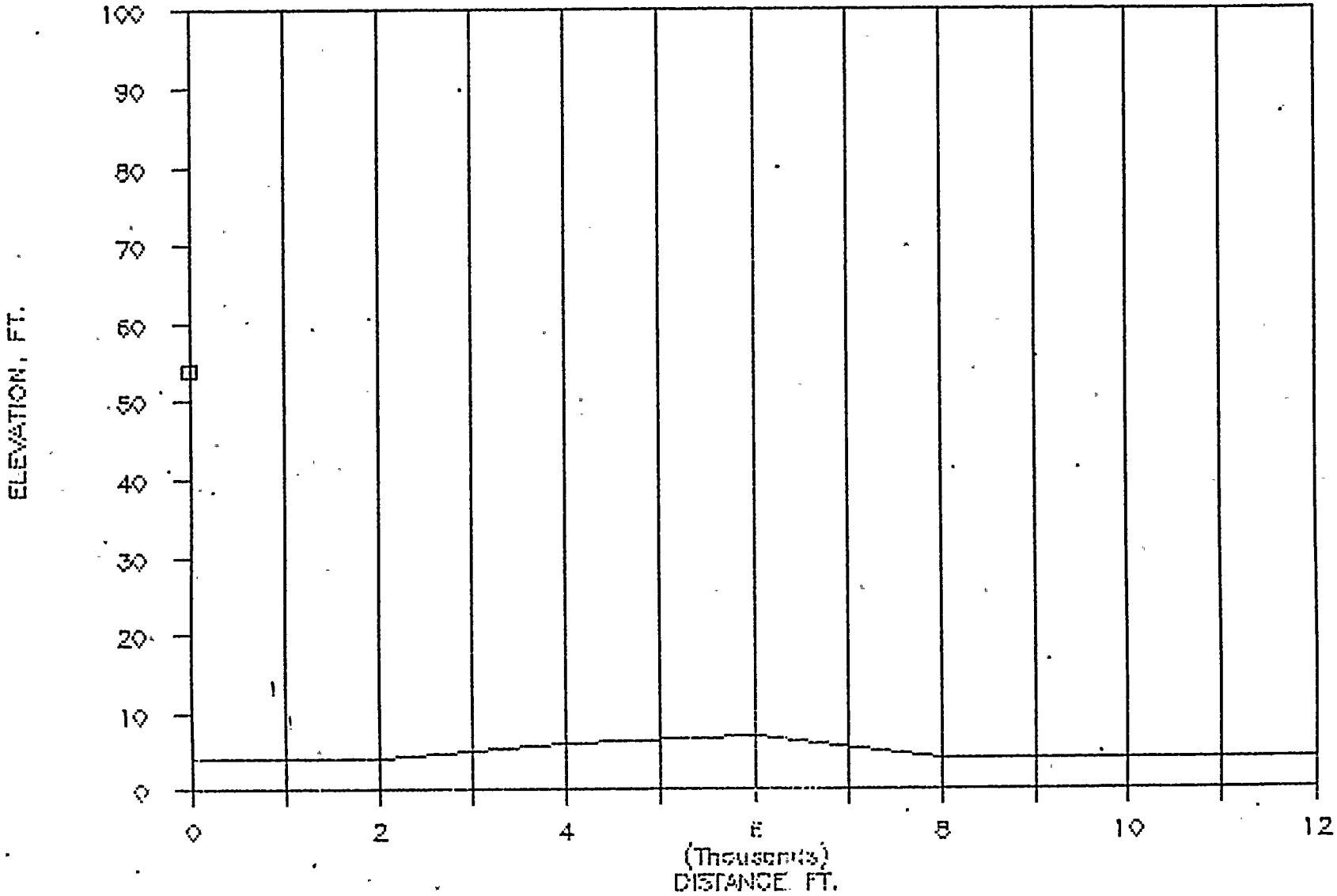
AZIMUTH, SSE



GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
73	2000.	225.00	5.00	SOFT	0.	NO	0.	0.
74	4000.	225.00	6.00	SOFT	0.	NO	0.	0.
75	6000.	225.00	4.00	SOFT	0.	NO	0.	0.
76	8000.	225.00	4.00	SOFT	0.	NO	0.	0.
77	12000.	225.00	6.00	SOFT	0.	NO	0.	0.
78	500.	202.50	5.00	SOFT	0.	NO	0.	0.
79	1000.	202.50	5.00	SOFT	0.	NO	0.	0.
80	2000.	202.50	5.00	SOFT	0.	NO	0.	0.
81	4000.	202.50	5.00	SOFT	0.	NO	0.	0.
82	6000.	202.50	6.00	SOFT	0.	NO	0.	0.
83	8000.	202.50	5.00	SOFT	0.	NO	0.	0.
84	12000.	202.50	4.00	SOFT	0.	NO	0.	0.
85	500.	180.00	4.00	SOFT	0.	NO	0.	0.
86	1000.	180.00	4.00	SOFT	0.	NO	0.	0.
87	2000.	180.00	4.00	SOFT	0.	NO	0.	0.
88	4000.	180.00	6.00	SOFT	0.	NO	0.	0.
[illegible]	6000.	180.00	6.00	SOFT	0.	NO	0.	0.
[illegible]	8000.	180.00	5.00	SOFT	0.	NO	0.	0.
[illegible]	12000.	180.00	3.00	SOFT	0.	NO	0.	0.
92	500.	157.50	4.00	SOFT	0.	NO	0.	0.
93	1000.	157.50	4.00	SOFT	0.	NO	0.	0.
94	2000.	157.50	4.00	SOFT	0.	NO	0.	0.
95	4000.	157.50	4.00	SOFT	0.	NO	0.	0.
96	6000.	157.50	8.00	SOFT	0.	NO	0.	0.
97	8000.	157.50	8.00	SOFT	0.	NO	0.	0.
98	12000.	157.50	7.00	SOFT	0.	NO	0.	0.
99	500.	135.00	6.00	SOFT	0.	NO	0.	0.
100	1000.	135.00	6.00	SOFT	0.	NO	0.	0.
101	2000.	135.00	6.00	SOFT	0.	NO	0.	0.
102	4000.	135.00	8.00	SOFT	0.	NO	0.	0.
103	6000.	135.00	8.00	SOFT	0.	NO	0.	0.
104	8000.	135.00	7.00	SOFT	0.	NO	0.	0.
105	12000.	135.00	5.00	SOFT	0.	NO	0.	0.
106	500.	112.50	4.00	SOFT	0.	NO	0.	0.
107	1000.	112.50	4.00	SOFT	0.	NO	0.	0.
108	2000.	112.50	4.00	SOFT	0.	NO	0.	0.
109	4000.	112.50	6.00	SOFT	0.	NO	0.	0.
110	6000.	112.50	7.00	SOFT	0.	NO	0.	0.
111	8000.	112.50	4.00	SOFT	0.	NO	0.	0.
112	12000.	112.50	4.00	SOFT	0.	NO	0.	0.

TURKEY POINT 41

AZIMUTH, ESE



FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #41-WS3000

SIREN SOUND LEVELS IN DBC
UNDER MET CONDITION 1

DISTANCE IN FEET

AZIMUTH	500.	1000.	2000.	4000.	6000.	8000.	12000.
E	106.	93.	69.	45.	40.	36.	29.
ENE	106.	93.	71.	45.	40.	36.	29.
NE	106.	94.	73.	47.	40.	36.	29.
NNE	106.	96.	84.	75.	70.	66.	59.
N	106.	96.	84.	75.	70.	66.	59.
NNW	106.	96.	84.	75.	70.	66.	59.
NW	106.	96.	84.	75.	70.	66.	59.
WNW	106.	96.	84.	75.	70.	66.	59.
W	106.	96.	84.	75.	70.	66.	59.
WSW	106.	96.	84.	75.	70.	66.	59.
SW	106.	96.	84.	75.	70.	66.	59.
SSW	106.	96.	84.	75.	70.	66.	59.
S	106.	93.	72.	45.	40.	36.	29.
SSE	106.	92.	70.	45.	40.	36.	29.
SE	106.	91.	69.	45.	40.	36.	29.
ESE	106.	91.	69.	45.	40.	36.	29.

GRID POINT	DISTANCE	BEARING	HEIGHT	GROUND TYPE	FOLIAGE PENETRATION	INTERVENING OBSTRUCTIONS	DISTANCE TO HIGHEST OBSTRUCTION FROM SOURCE	HEIGHT OF OBSTRUCTION
37	1000.	337.50	6.00	SOFT	0.	NO	0.	0.
38	2000.	337.50	5.00	SOFT	0.	NO	0.	0.
39	4000.	337.50	6.00	SOFT	0.	NO	0.	0.
40	6000.	337.50	6.00	SOFT	0.	NO	0.	0.
41	8000.	337.50	6.00	SOFT	0.	NO	0.	0.
42	12000.	337.50	7.00	SOFT	0.	NO	0.	0.
43	500.	315.00	5.00	SOFT	0.	NO	0.	0.
44	1000.	315.00	6.00	SOFT	0.	NO	0.	0.
45	2000.	315.00	6.00	SOFT	0.	NO	0.	0.
46	4000.	315.00	6.00	SOFT	0.	NO	0.	0.
47	6000.	315.00	6.00	SOFT	0.	NO	0.	0.
48	8000.	315.00	6.00	SOFT	0.	NO	0.	0.
49	12000.	315.00	8.00	SOFT	0.	NO	0.	0.
50	500.	292.50	4.00	SOFT	0.	NO	0.	0.
51	1000.	292.50	6.00	SOFT	0.	NO	0.	0.
52	2000.	292.50	6.00	SOFT	0.	NO	0.	0.
53	4000.	292.50	6.00	SOFT	0.	NO	0.	0.
54	6000.	292.50	6.00	SOFT	0.	NO	0.	0.
55	8000.	292.50	7.00	SOFT	0.	NO	0.	0.
56	12000.	292.50	7.00	SOFT	0.	NO	0.	0.
57	500.	270.00	4.00	SOFT	0.	NO	0.	0.
58	1000.	270.00	6.00	SOFT	0.	NO	0.	0.
59	2000.	270.00	6.00	SOFT	0.	NO	0.	0.
60	4000.	270.00	8.00	SOFT	0.	NO	0.	0.
61	6000.	270.00	8.00	SOFT	0.	NO	0.	0.
62	8000.	270.00	8.00	SOFT	0.	NO	0.	0.
63	12000.	270.00	8.00	SOFT	0.	NO	0.	0.
64	500.	247.50	4.00	SOFT	0.	NO	0.	0.
65	1000.	247.50	6.00	SOFT	0.	NO	0.	0.
66	2000.	247.50	6.00	SOFT	0.	NO	0.	0.
67	4000.	247.50	6.00	SOFT	0.	NO	0.	0.
68	6000.	247.50	6.00	SOFT	0.	NO	0.	0.
69	8000.	247.50	7.00	SOFT	0.	NO	0.	0.
70	12000.	247.50	6.00	SOFT	0.	NO	0.	0.
71	500.	225.00	4.00	SOFT	0.	NO	0.	0.
72	1000.	225.00	4.00	SOFT	0.	NO	0.	0.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #41-WS3000
NOISE SOURCE POWER LEVEL INPUT

INDEX	SOURCE	DBA	DBC	31.5	63	125	250	500	1000	2000	4000	8000 (HZ)
1	TURKEY-WS3000	158.4	158.7	.0	.0	.0	.0	152.0	157.0	149.0	141.0	134.0

X0= .00 Y0= .00 Z0= 4.00 HEIGHT ABOVE GROUND= 50.00

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT ANS SIREN #41-WS3000
METEOROLOGICAL INPUT CONDITIONS

H1= 10.06 METERS H2= 60.05 METERS

YEAR	SEASON	MONTH	DATE	HOUR	WIND DIRECTION	WIND SPEED(MPS) H1	WIND SPEED(MPS) H2	TEMPERATURE(C) H1	TEMPERATURE(C) H2	RELATIVE HUMIDITY	BAROMETRIC PRESSURE(MM OF HG)
1984		7	16	12	120.0	5.0	5.7	29.4	28.3	51.0	756.0