

# CANEX AERIAL EXPLORATION LTD.

DIVISION OF CANADIAN EXPLORATION LIMITED

700 BURRARD BUILDING

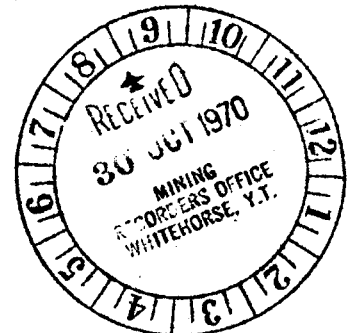
VANCOUVER 5, B. C. CANADA

GEOPHYSICAL REPORT  
INDUCED POLARIZATION AND MAGNETOMETER SURVEYS  
ON THE TOPAZIOS, DOBIE, SHACK, CHUNK, LAW,  
COPPER, SHAFT, OROT, HELL, RUTH AND DAVE  
MINERAL CLAIMS

by

CANEX AERIAL EXPLORATION

WHITEHORSE AREA: 60° 35', 134° 45'



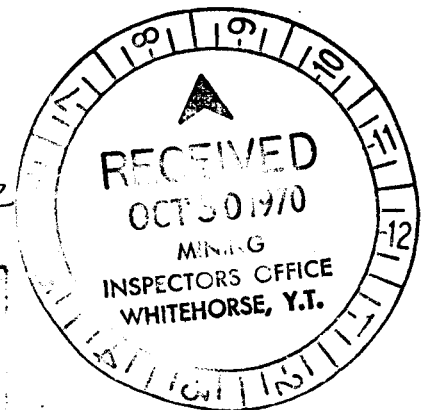
CLAIMS: TOPAZIOS 2,3,6-9,34,35,42-44,46,48,66-71,73,  
76,82,83,85,87-94,97; DOBIE 1,2 Fr.; SHACK 1; CHUNK  
1-6; LAW 1-5 Fr.,7-10 Fr.; COPPER 1-8; SHAFT 1-8;  
OROT 1-14,16; DAVE 1-4 Fr.; HELL 1-17,19-52; RUTH 1-4.

TOPAZIOS MINING AND EXPLORATION CO. LTD.

R. W. CANNON, B.A.Sc., P. Eng.

April, May and June 1970

060012



This report has been examined by the  
Geological Education Unit and it is  
recorded to the Commission to be  
considered as representing work in the  
territory.

\$16,928.00

*J. B. Craig*

Resident Geologist or  
Resident Mining Engineer

Considered as representation work under  
Section 53 (4), Yukon Quartz Mining Act.

*[Signature]*  
Commissioner of Yukon Territory

Vancouver, B. C.  
August 7, 1970.

RECEIVED  
JUL 17 1970

McPHAR GEOPHYSICS LIMITED

PHONE 449-5551  
TORONTO AREA CODE 416

139 BOND AVENUE, DON MILLS, ONTARIO, CANADA

CABLE-MCPHAR  
TORONTO

July 14, 1970

Invoice G 9914

Canex Aerial Exploration Ltd.  
800 - 1030 West Georgia Street  
Vancouver, British Columbia

Attention: Mr. D.C. Rotherham

REFERENCE: IP Survey - Topagious V-122 - Crew #1 - Yukon, B.C.  
Contract G 6314

Period: June 1 - 21, 1970

<u>Crew (2 men)</u>	June 1 - 8	J. Hollenberg, T. Blackwell	
	June 9 - 21	D. Morrison, T. Blackwell	
19 days Operating	@ \$200.00/day		3,800.00
1 day Travel	) 2 days		
1 day Bad Weather)	@ \$100.00/day		200.00
			<u>4,000.00</u>

Expenses

Freight & Brokerage	29.55	
Meals & Accommodation	6.00	
Telephone & Telegraph	44.32	
	<u>79.87</u>	
Plus 10%	<u>7.99</u>	87.86
		<u>\$4,087.86</u>

McPHAR GEOPHYSICS LIMITED

ORDER No	_____
RECEIVED BY	_____
LMB:geh	_____
CHECKED BY	_____
APPROVED FOR PAYMENT	RG. WP
DATE	V-122-SP

*L. M. Braid*  
L. M. Braid (Mrs.)  
Comptroller

# CANEX AERIAL EXPLORATION LTD.

DIVISION OF CANADIAN EXPLORATION LIMITED

700 BARRARD BUILDING

VANCOUVER 5, B. C. CANADA

## BREAKDOWN OF EXPENDITURES

### LABOUR COSTS

		Days	Cost		
May	J. Alsen	5	5/21 x \$540/month	= \$	128.55
	Local				
	D. Woyciehouski	23	23 x \$25/day	=	575.00
	P. Dent	1	1/21 x \$425/month	=	20.24
	J. Stephen	1	1/21 x \$550/month	=	26.19
	R. Durfeld	1	1/21 x \$425/month	=	20.24
	C. Taylor	1	1/21 x \$406/month	=	19.33
	G. Antouich	16	16/21 x \$475/month	=	361.92
June	G. Antouich	24	24/21 x \$475/month	=	542.88
	D. Woyciehouski	12	12 x \$25/day	=	300.00
	D. Fossan	12	12/21 x \$500/month	=	285.72
July	J. Stephen	1	1/21 x \$550/month	=	26.19
	C. Outrim	1	1/21 x \$425/month	=	20.24
	D. Fossan	1	1/21 x \$500/month	=	23.81
August	J. Stephen	2	2/21 x \$550/month	=	52.38
	D. Fossan	2	2/21 x \$500/month	=	<u>47.62</u>
			TOTAL		<u><u>\$2,450.31</u></u>

Non Local Labour = 68 man days.

Local Labour = 35 man days.

Operator Man Days = 96 man days.



RENTAL OF EQUIPMENT + 2 OPERATORS AS PER BILLING

McPhar	=	9,005.77
Canex 3 days @ \$240.00/day	=	720.00
Transportation of 1 operator not in billing	=	172.00
ROOM AND BOARD COSTS @ \$10.00/day/man 164 x \$10	=	1,640.00
COMPENSATION, ADMINISTRATION AND SUPERVISION 199 x \$5/day/man	=	995.00
TRANSPORTATION COSTS @ \$500.00/month	=	1,000.00
DRAFTING AND REPORT writing 1 month @ \$945/month	=	945.00
		<hr/>
TOTAL COST OF TOPAZIOS I.P. SURVEY		<u>\$16,928.08</u>



RWC/mm

R. W. Cannon, P. Eng.  
R. W. Cannon, P. Eng.

## THE METHOD OF FIELD OPERATION

In the field procedure, measurements on the surface were made in a way that allows the effects of lateral changes in the properties of the ground to be separated from the effects of vertical changes in the properties of the ground. Current was applied to the ground at two points (X) feet apart. The potentials were measured at two other points (X) feet apart, in line with the current electrodes. The distance between the nearest current and potential electrodes was an integer number (N) times the basic distance (X).

The measurements were made along surveyed lines, with a constant distance (NX) between the nearest current and potential electrodes. Measurements were taken with values of  $N = 1, 2$  and  $3$  for  $X = 300'$ .

In plotting the results, the values of the apparent resistivity, percent frequency effect and the apparent metal factor measured for each set of electrode positions were plotted at the intersection of grid lines, one from the center point of the current electrodes and the other from the center point of the potential electrodes. The resistivity values were plotted above the line and the percent frequency effect and metal factors below. The lateral displacement of a given value is determined by the location along the survey line of the center point between the current and potential electrodes. The distance of the value from the line is determined by the distance (NX) between the current and potential electrodes when the measurement was made. The separation between sender and receiver electrodes is only one factor which determines the depth to which the ground is being sampled in any particular measurement. The plotted results were contoured using a logarithmic contour interval 1, 1.5, 2, 3, 5, 7.5 and 10.

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PREVIOUS WORK	2
PRESENTATION OF RESULTS	2
DISCUSSION OF RESULTS	3
CONCLUSIONS AND RECOMMENDATIONS	3

## LIST OF ILLUSTRATIONS

(1) I.P. Sections	At End of Text
(2) Frequency Effect Plan N= 1	In Pocket
(3) " " " N=2	" "
(4) Resistivity Plan N=1	" "
(5) " " N=2	" "
(6) Magnetometer Value Plan	" "
(7) Magnetometer Contour Plan	" "

REPORT ON THE INDUCED  
POLARIZATION & MAGNETOMETER SURVEYS  
WHITEHORSE AREA, Y. T.  
CANEX AERIAL EXPLORATION LTD.

INTRODUCTION

During the months of April, May and June 1970 an Induced Polarization survey and a magnetometer survey were carried out along 54.05 miles of line. The lines were cut 800' apart with stations marked every 100'.

The Induced Polarization survey was conducted by McPhar Geophysics under the supervision of Canex Aerial personnel. The instrument used was a Model P654 frequency effect machine with the frequencies 0.3 and 5.0 cps. being employed.

The magnetometer survey was conducted by Canex Aerial personnel using a Sharpe M.F. 1 magnetometer with a sensitivity of  $\pm 10$  gammas. Diurnal corrections were made using a base station recorder.

LOCATION AND ACCESS

The claims are located West of the Alaska Highway and Southwest of the City of Whitehorse. Access to the property is by two-wheel drive vehicles from the Alaska Highway along old wood-cutter roads, etc.

PROPERTY

The property consists of 151 mineral claims and fractions as follows:

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>
Topazios 2 & 3	Y18837 - Y18838	June 26, 1971
Topazios 6,7,8 & 9	Y20057 - Y20060	Apr. 11, 1971
Topazios 34 & 35	Y20141 - Y20142	Apr. 13, 1971
Topazios 42, 43 & 44	Y20149 - Y20151	Apr. 13, 1971
Topazios 46 & 48	Y20153 - Y20155	Apr. 13, 1971
Topazios 66 - 71	Y20173 - Y20178	Apr. 13, 1971
Topazios 73 - 76	Y20180 - Y20183	Apr. 13, 1971
Topazios 82 - 83	Y20189 - Y20190	Apr. 13, 1971

.....2

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>
Topazios 85	Y20192	Apr. 13, 1971
Topazios 87-94	Y20194 - Y20201	Apr. 13, 1971
Topazios 97	Y20204	Apr. 13, 1971
Dobie 1 - 2 Fr.	Y24670 - Y24671	May 13, 1971
Shack 1	Y24661	May 13, 1971
Chunk 1-6	Y24664 - Y24669	May 13, 1971
Law 1 Fr. - 5 Fr.	Y24549 - Y24553	May 3, 1971
Law 7 Fr. - 10 Fr.	Y24555 - Y24558	May 3, 1971
Copper 1-8	Y85803 - Y85810	Dec. 9, 1970
Cu 1-4	Y85811 - Y85814	Dec. 9, 1970
Shaft 1 - 8	Y35547 - Y35554	June 26, 1971
Orot 1 - 8	Y35110 - Y35117	June 5, 1971
Orot 9 - 10	Y35156 - Y35157	June 10, 1971
Orot 11	Y35158	June 10, 1971
Orot 13 - 14	Y37236 - Y37237	Sept 10, 1970
Orot 16	Y37239	Sept 10, 1971
Joe 1 - 6	Y23825 - Y23830	May 22, 1971
Joe 7 Fr.	Y24744	May 21, 1971
Hell 1-17		
Hell 19-52		
Ruth 1-4		
Dave 1 - 4 Frs.	Y52191 - Y52194	June 15, 1971

#### PREVIOUS WORK

The only previous work carried out on the property was an old drill hole located in the northwest corner of the Copper No. 1 claim.

#### PRESENTATION OF RESULTS

The Induced Polarization and Resistivity results are shown on the enclosed data plots in the manner described in the notes preceding this report. All lines were run using an electrode spread of 300 feet and dipole separations of  $N = 1, 2$  and  $3$ . Plan maps ( $N = 1, 2$ ) for Percent Frequency Effect and Apparent Resistivity are included in the pocket at the end of the report.

The magnetometer survey results are shown on a contour plan map in the pocket. The magnetometer results were contoured on 200 gamma intervals.

#### DISCUSSION OF RESULTS

A total of 54.05 miles of line were run on the Topazios claim area. The background percent frequency effect on the property averages 1.2 P.F.E. Four anomalous zones were detected on the property. The three main zones were located on the southern most part of the property as follows: 8 + 00S to 55 + 00S and 12 + 00W to 12 + 00E; 0 + 00N to 32 + 00N and 30 + 00W to 20 + 00E; 58 + 00N to 85 + 00N and 10 + 00W to 25 + 00E. The other weaker anomaly occurs from 208 + 00N to 240 + 00N and appears to be in two zones.

The magnetometer results show only one small anomalous condition centered on Line 128 + 00N at 24 + 00W. The rest of the property appears to be quite flat magnetically.

#### CONCLUSIONS AND RECOMMENDATIONS

It was concluded that the Induced Polarization anomalies were 2 to 3 times background P.F.E. and are due to either one or a combination of the following conditions: (1) sulphide mineralization, (2) alteration of bedrock to conductive clays, (3) roof pendants of carbonaceous limestone, and (4) roof pendants of metamorphosed sediments (skarn). It was concluded from the magnetometer survey that there were no detectable zones of magnetite associated mineralization.

It is recommended that 3 to 4 holes be drilled in the anomalies located at the southern part of the property. Lines 8 + 00N, 0 + 00N and 24 + 00S should have I.P. coverage extended to the east to test whether the two southern most anomalies are indeed one.



R.W. CANNON, P. ENG.

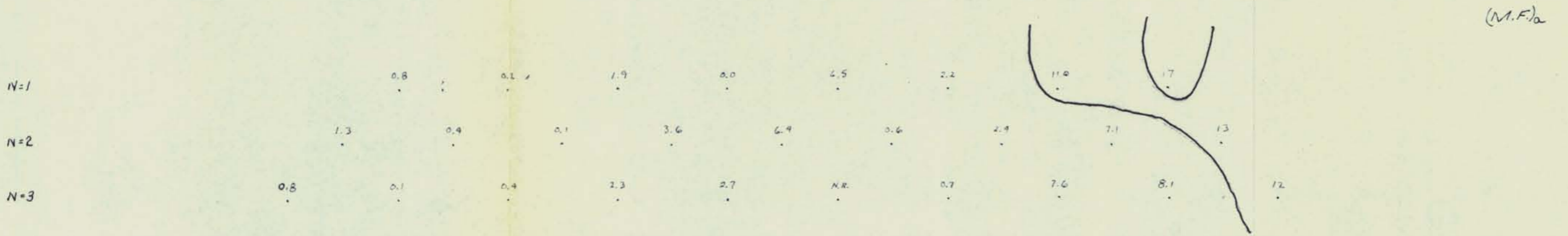
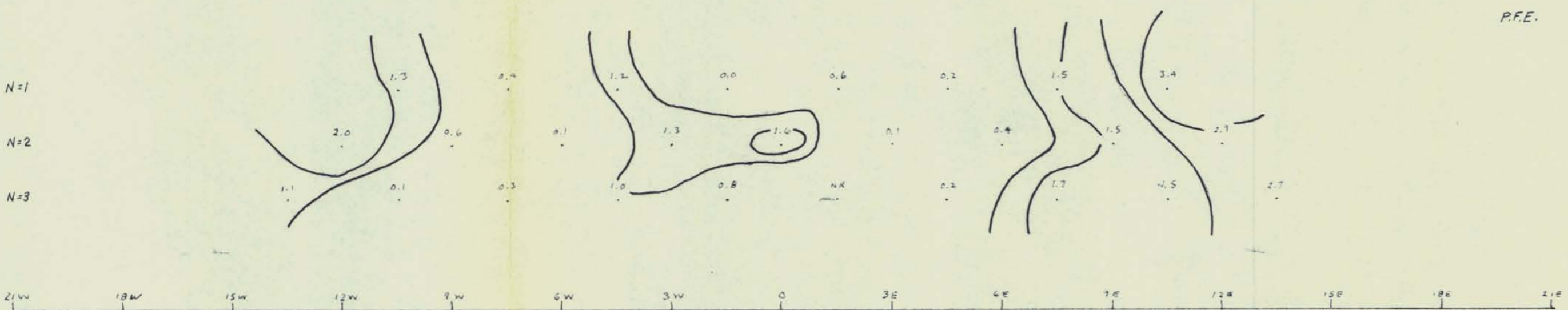
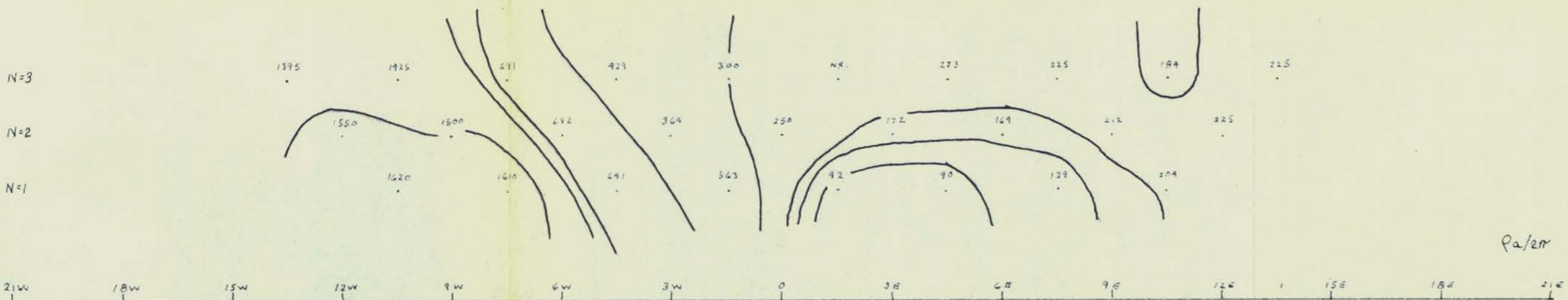
ADDENDUM to the Topazios Report

An additional 1.47 miles of line were conducted on the property. This mileage was made up of extensions of Lines 40N through 72N. No anomalous conditions were detected on these extensions and therefore it is recommended that no additional I.P. be conducted on this grid until the drilling data has been evaluated.

*R. W. Cannon, P. Eng.*  
R. W. Cannon, P. Eng.

RWC/mm





*Topazios*

LINE: 56+00 S

LINE POINT CONFIGURATION

FREQUENCIES: 0.31 + 5.0 cps.

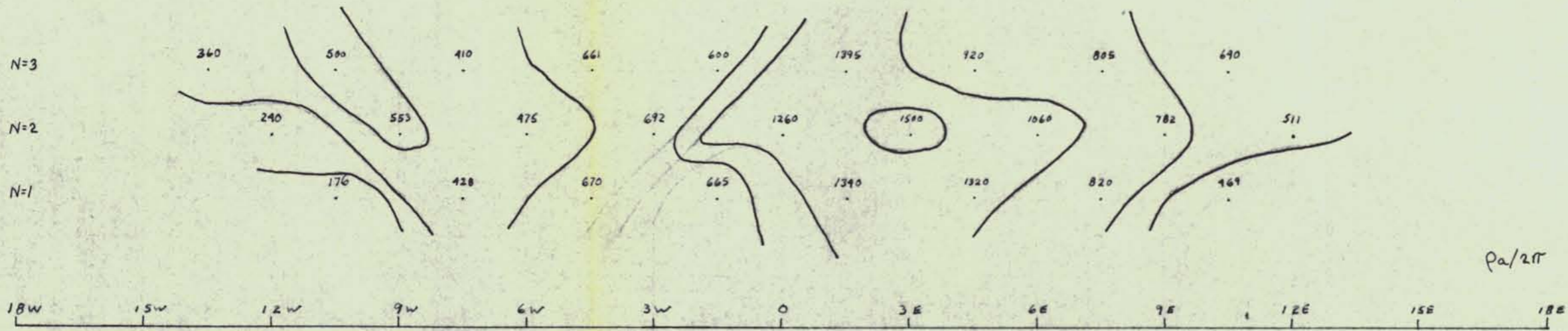
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CANEX AERIAL EXPLORATION LTD.

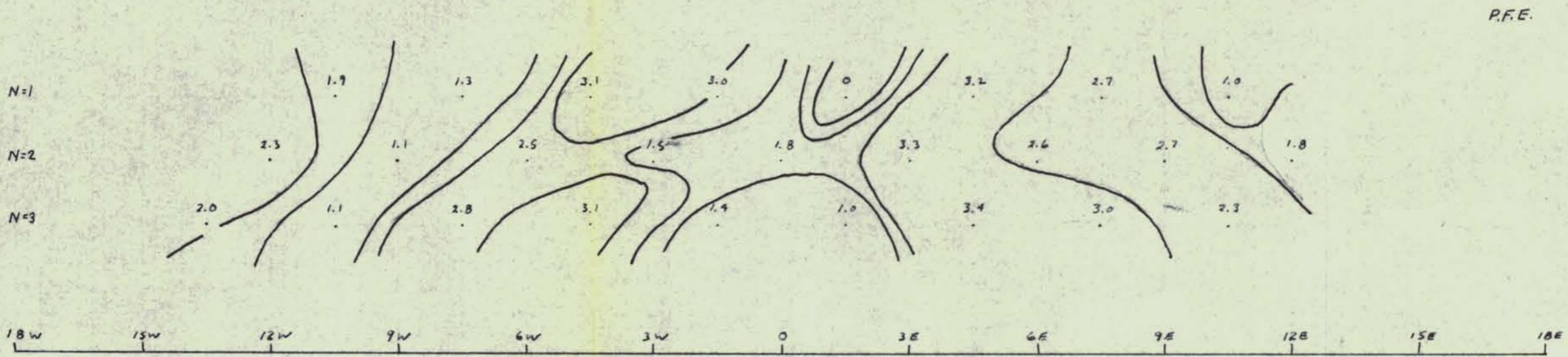
DRAWN BY: D. HUSTON

DATE: 26/5/70



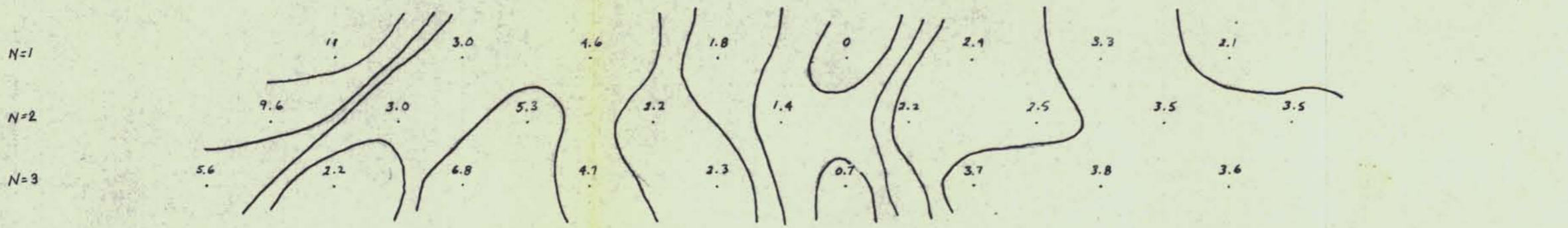


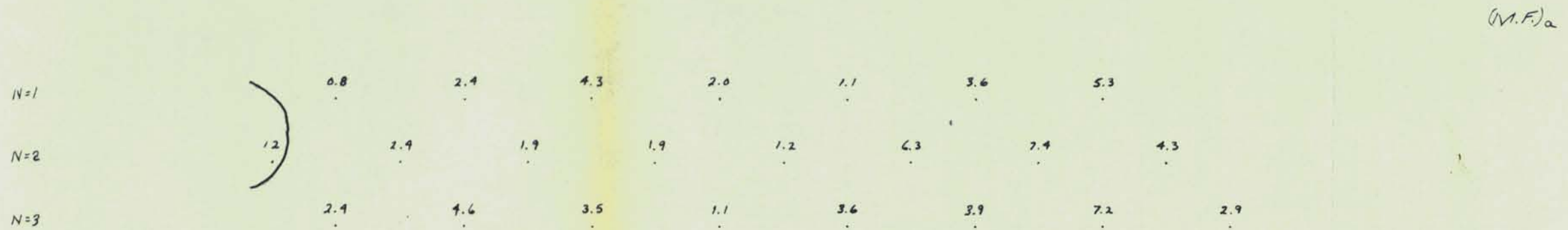
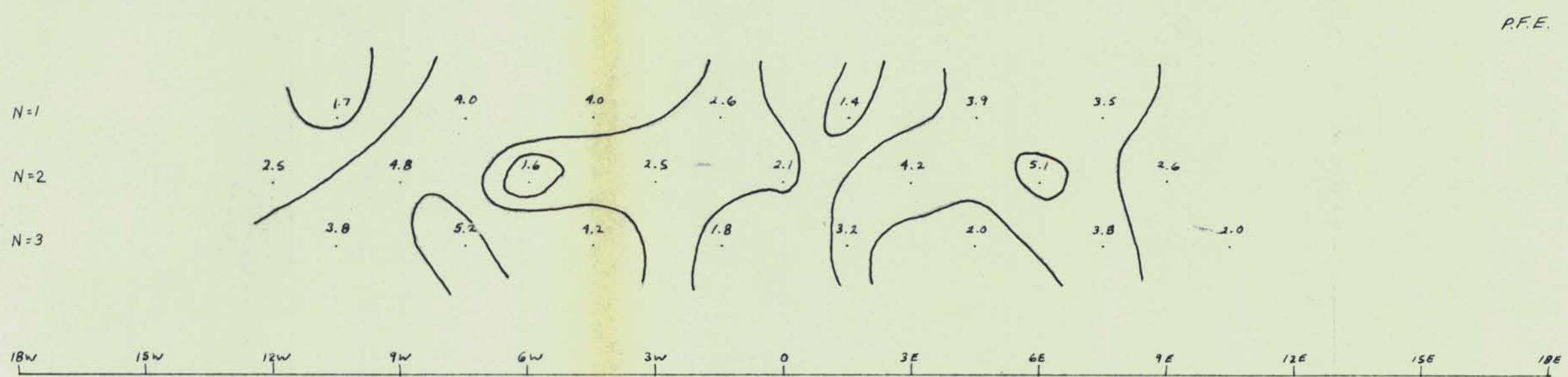
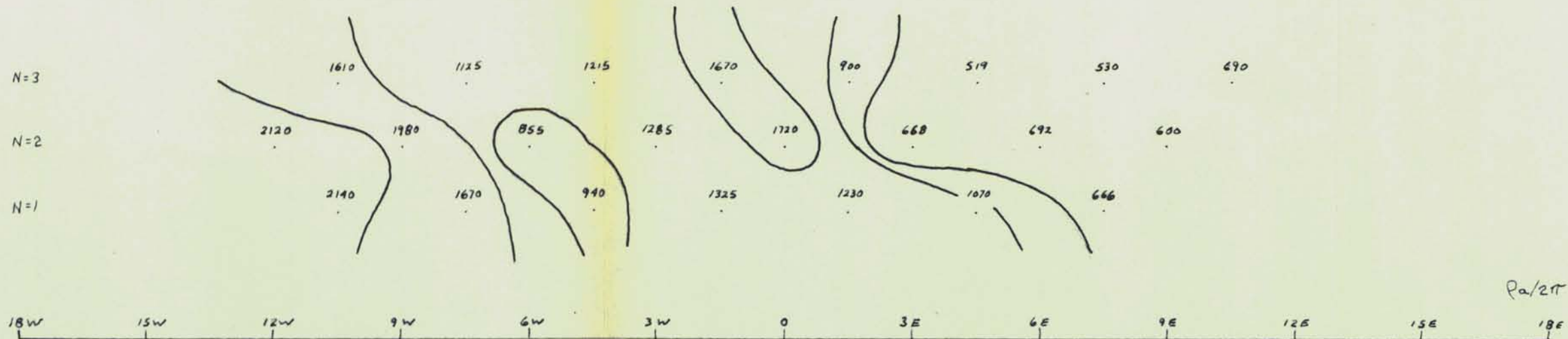
Pa/2π



(M.F.)a

Topazios  
 LINE: 48+00 S  
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 FREQUENCIES: 0.1 + 5.0 cps.  
 X = 300  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 25/5/70





Topazios

LINE 40+00 S

DIPOLE DIPOLE CONFIGURATION

FREQUENCIES: 0.31 + 5.0 cps.

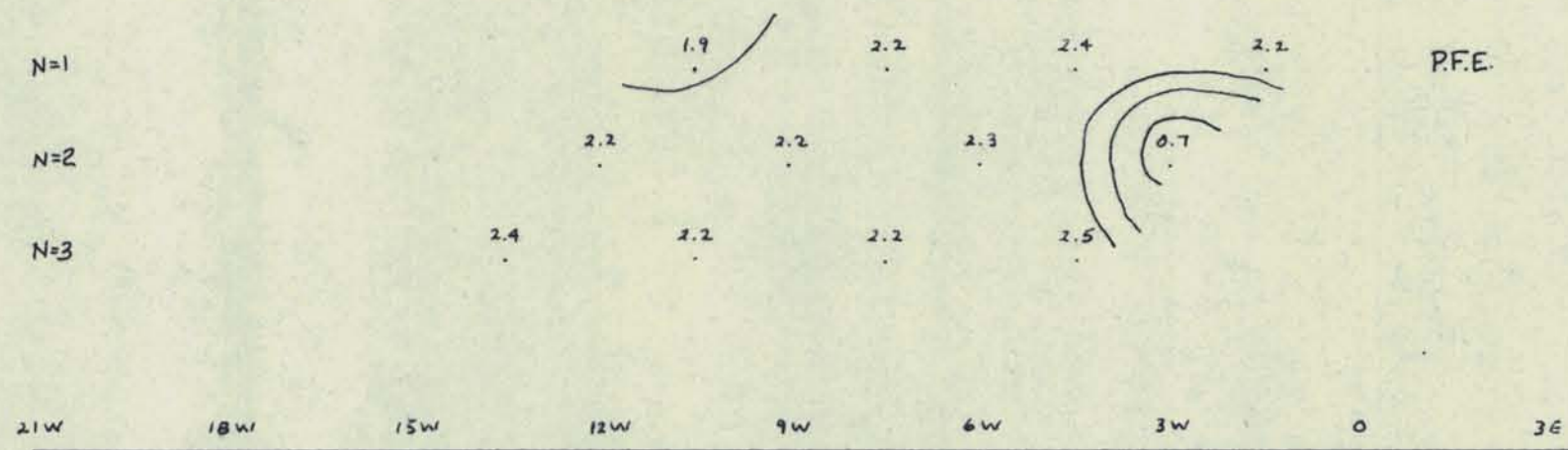
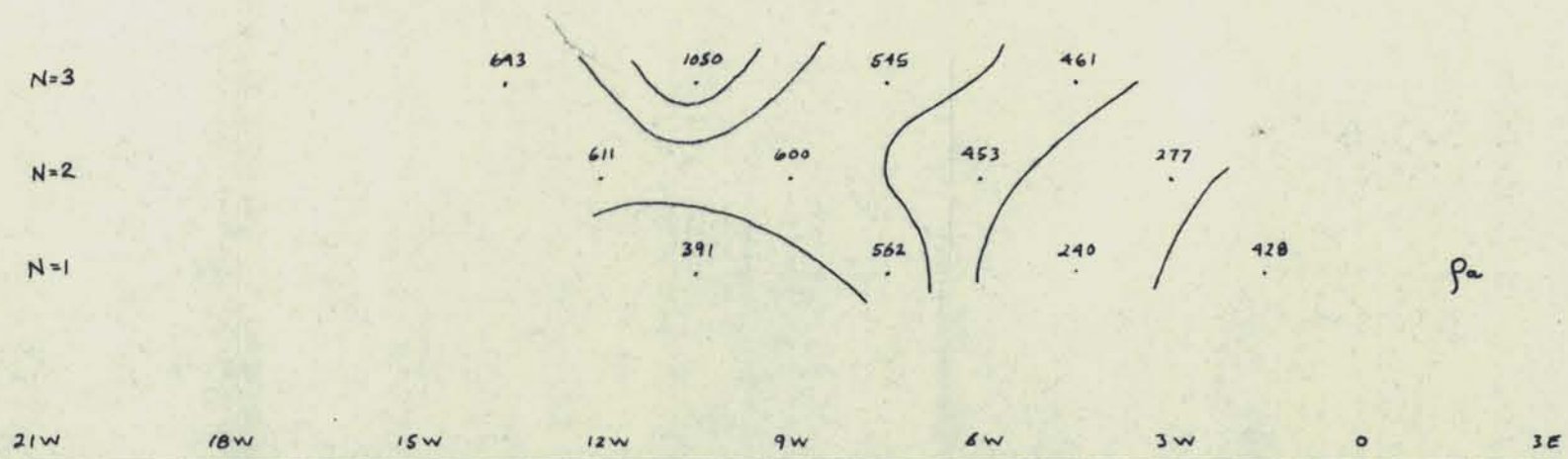
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CANEX AERIAL EXPLORATION LTD.

DRAWN BY: D. HUSTON

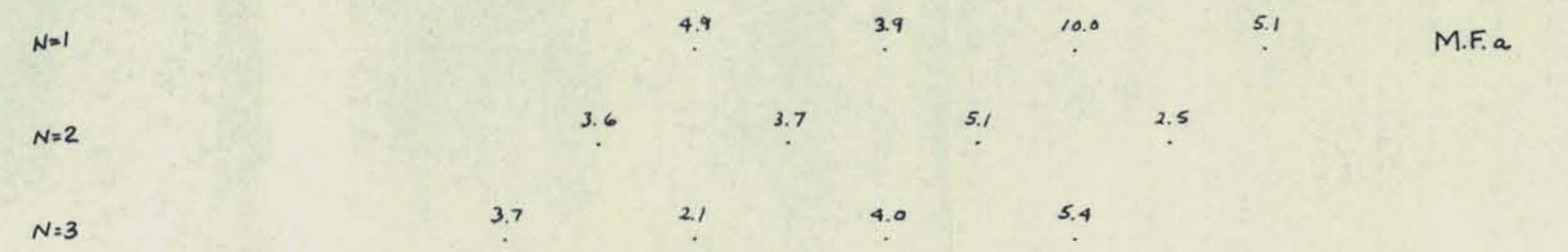
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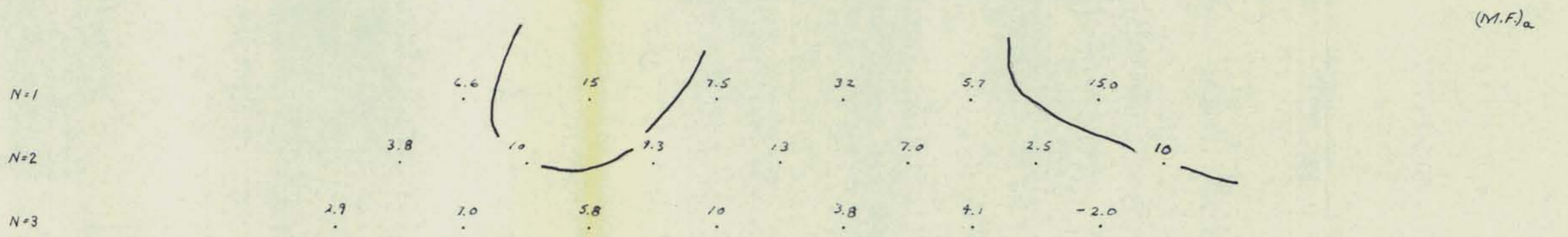
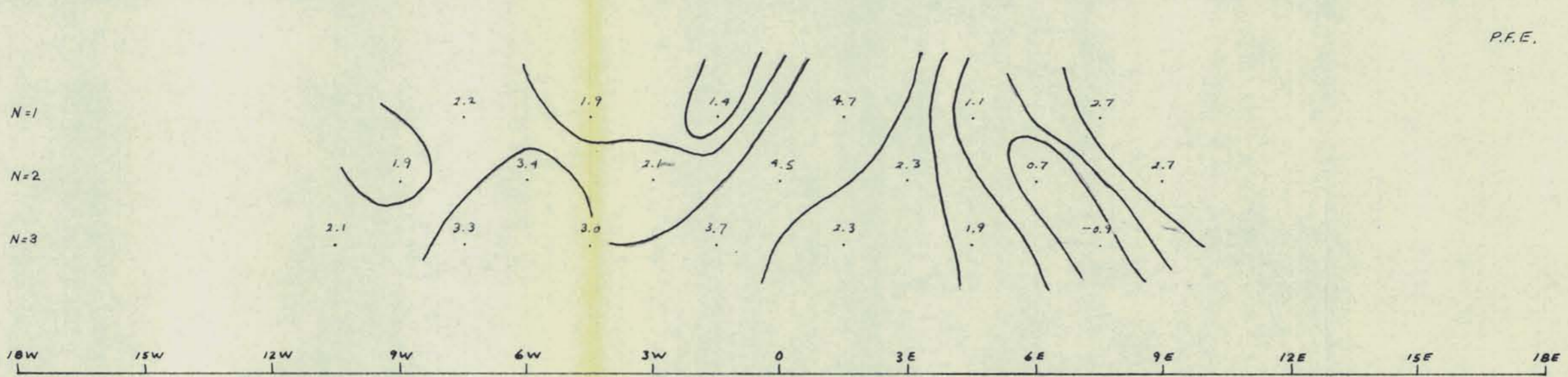
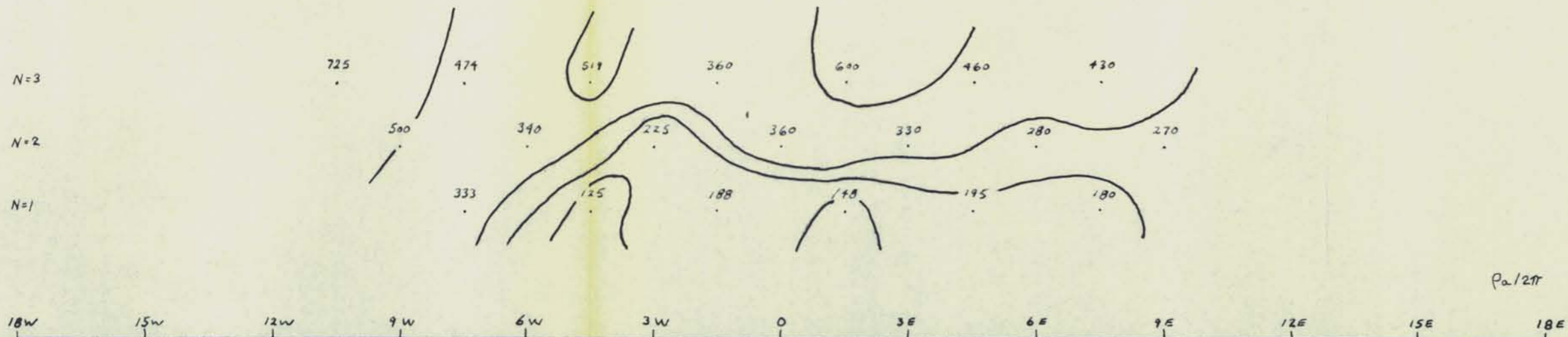




*Topazios*

LINE: 36+00 S  
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 FREQUENCIES: 0.31 + 5.0 cps.  
 $\lambda = 300'$   
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 7/6/70





*Topazios*

LINE: 32 + 00 S

DIPOLE - DIPOLE CONFIGURATION

FREQUENCIES: 0.31 + 5.0 cps.

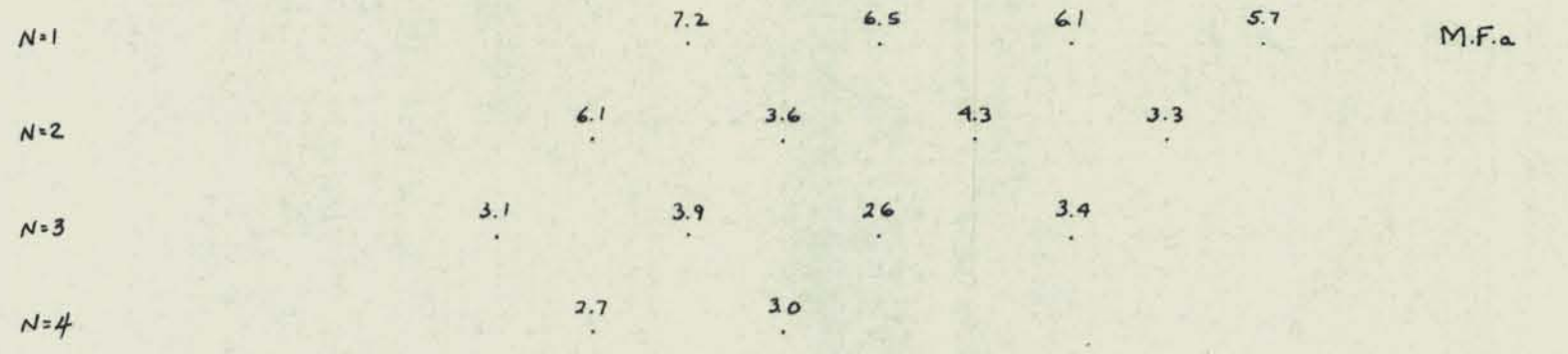
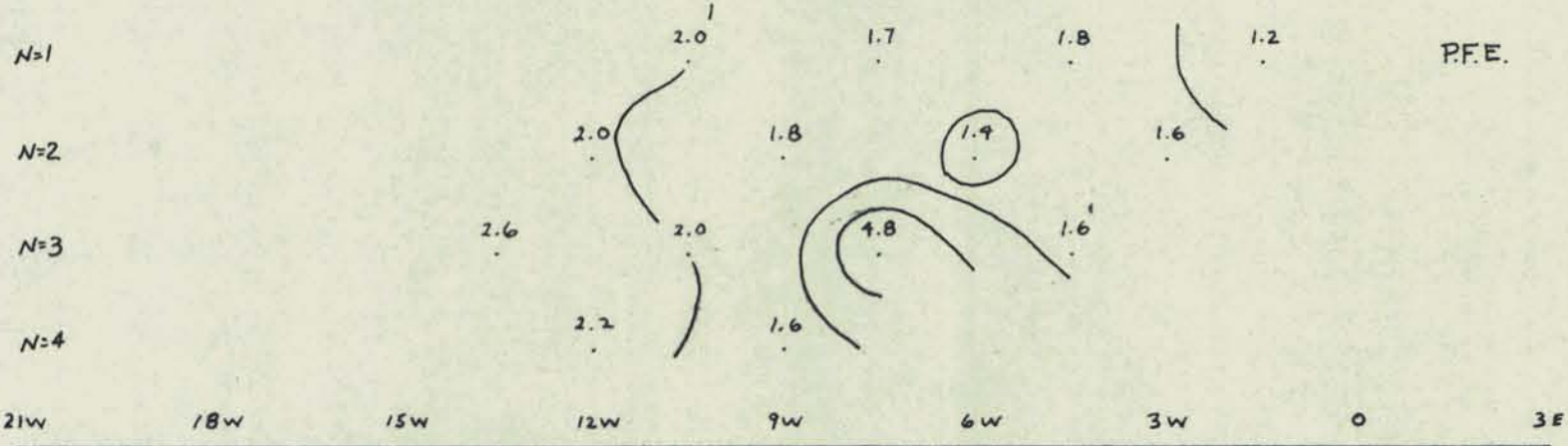
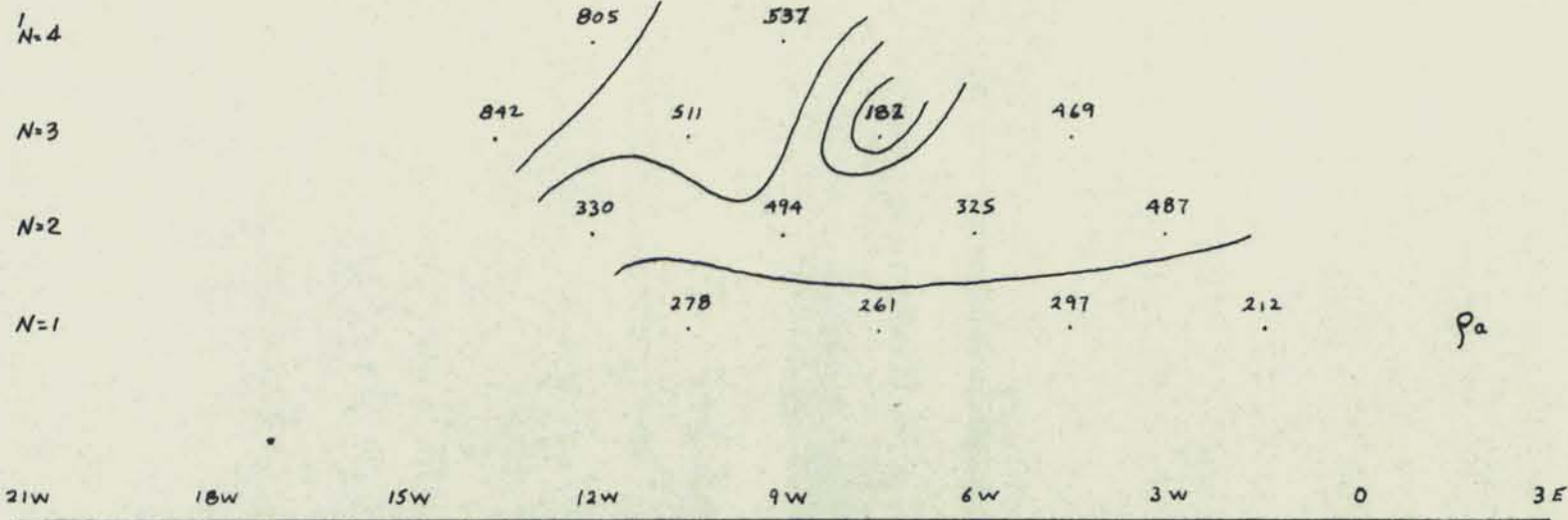
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DRAWN BY: D. HUSTON

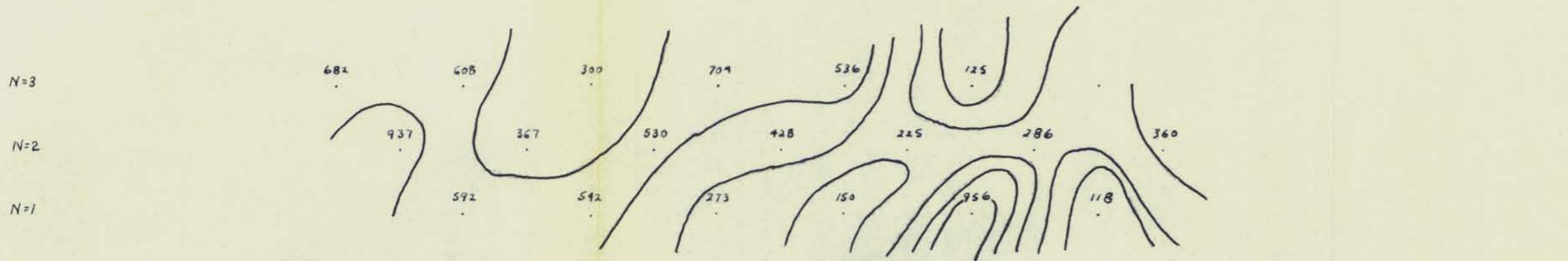
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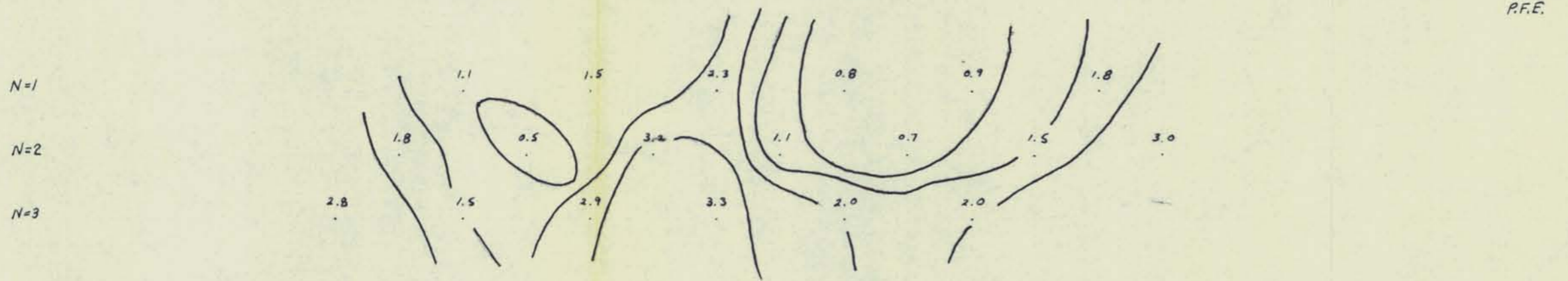
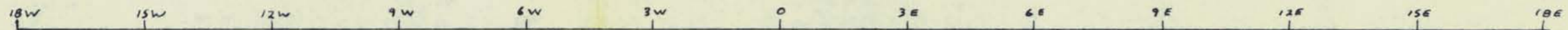


*Topazios*  
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 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 7/6/70

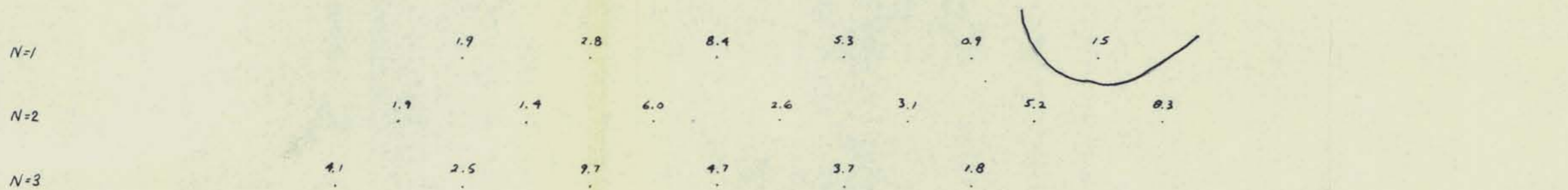




$\rho_a/2\pi$



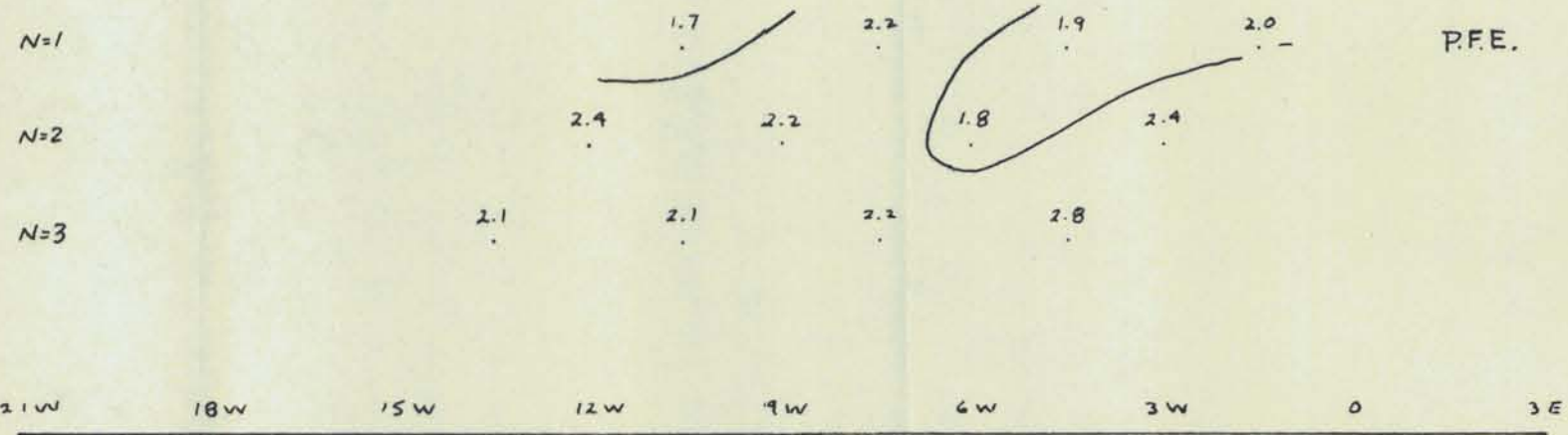
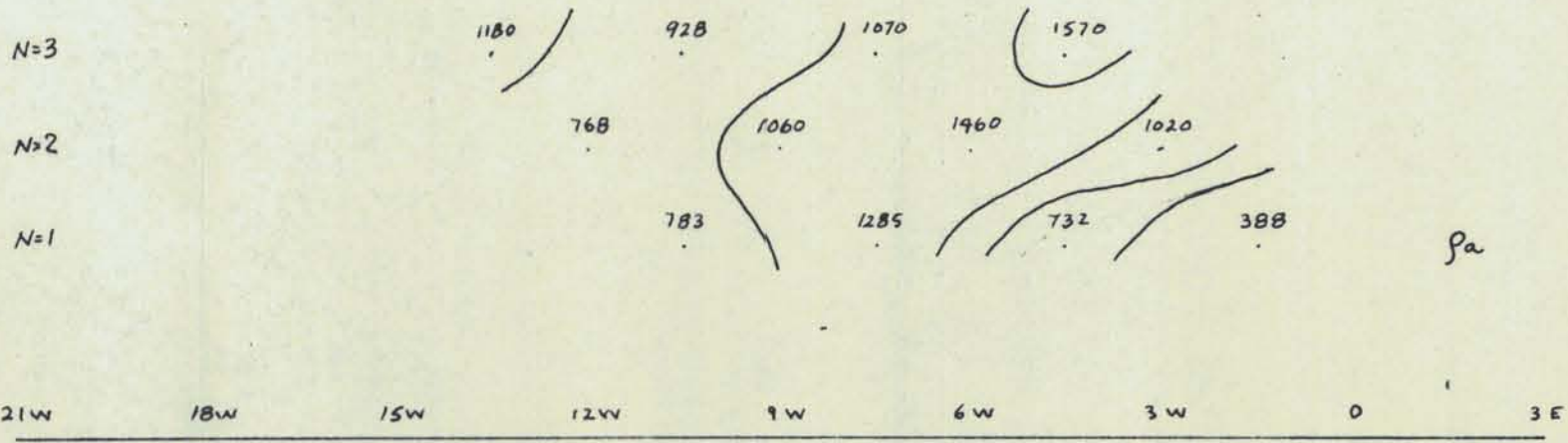
P.F.E.



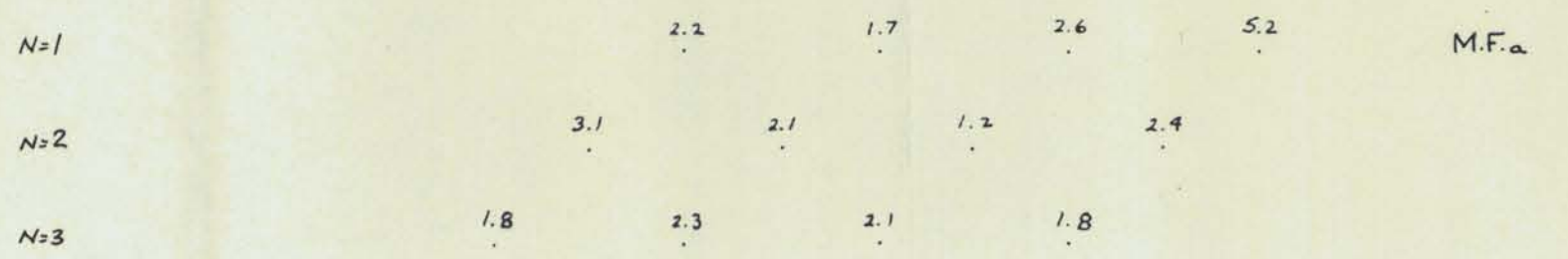
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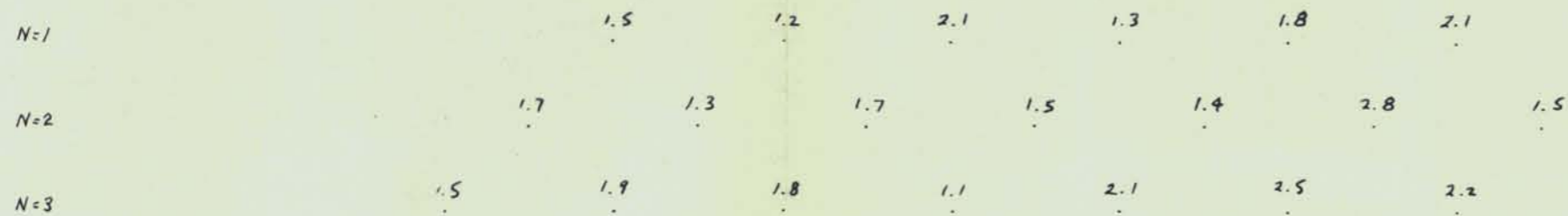
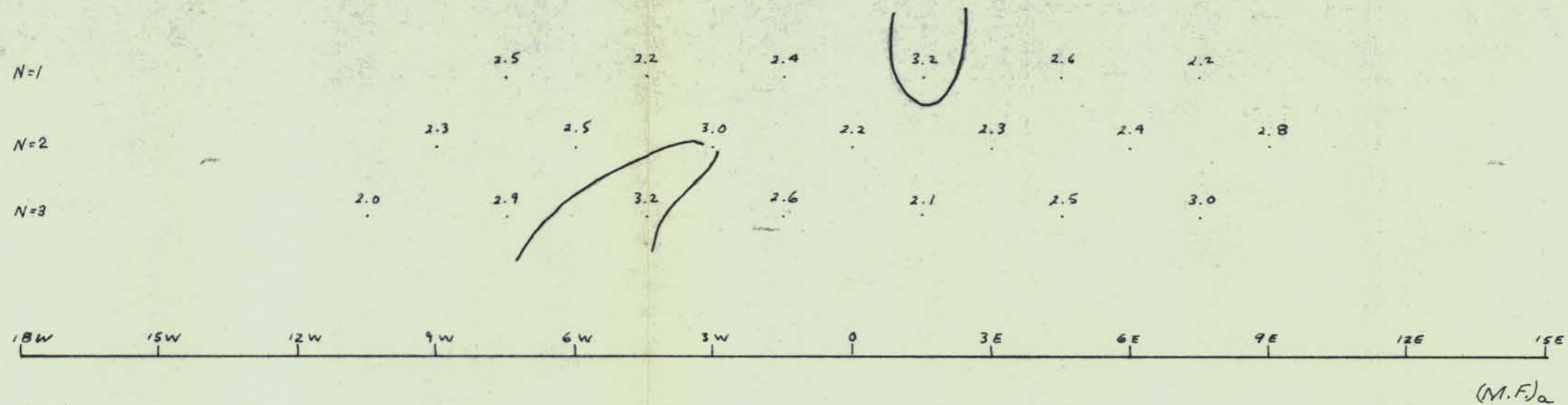
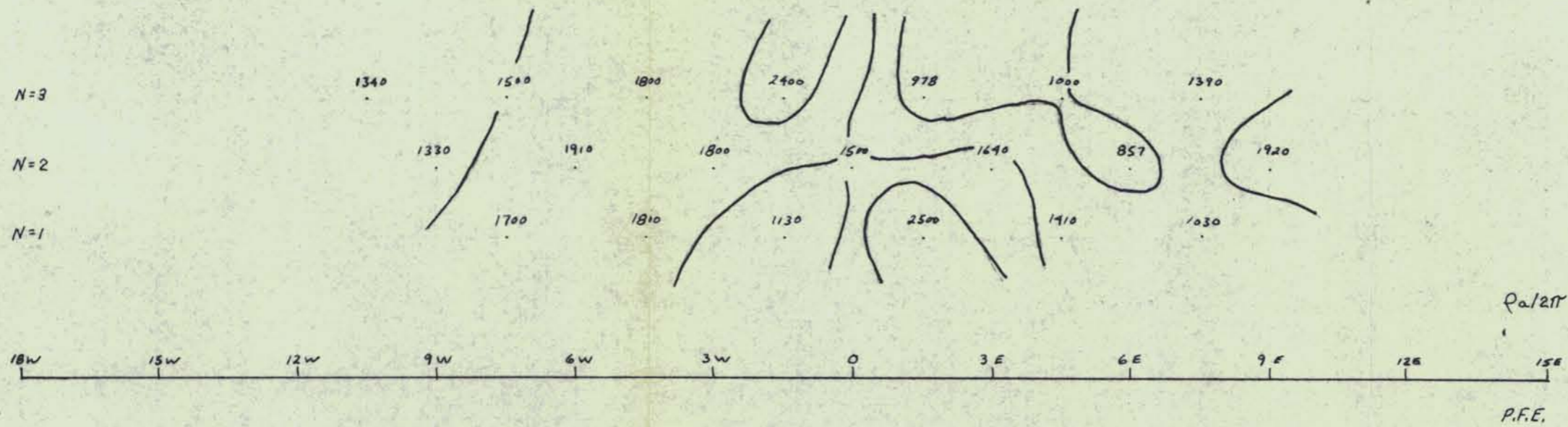
Topazias  
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 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 25/5/70





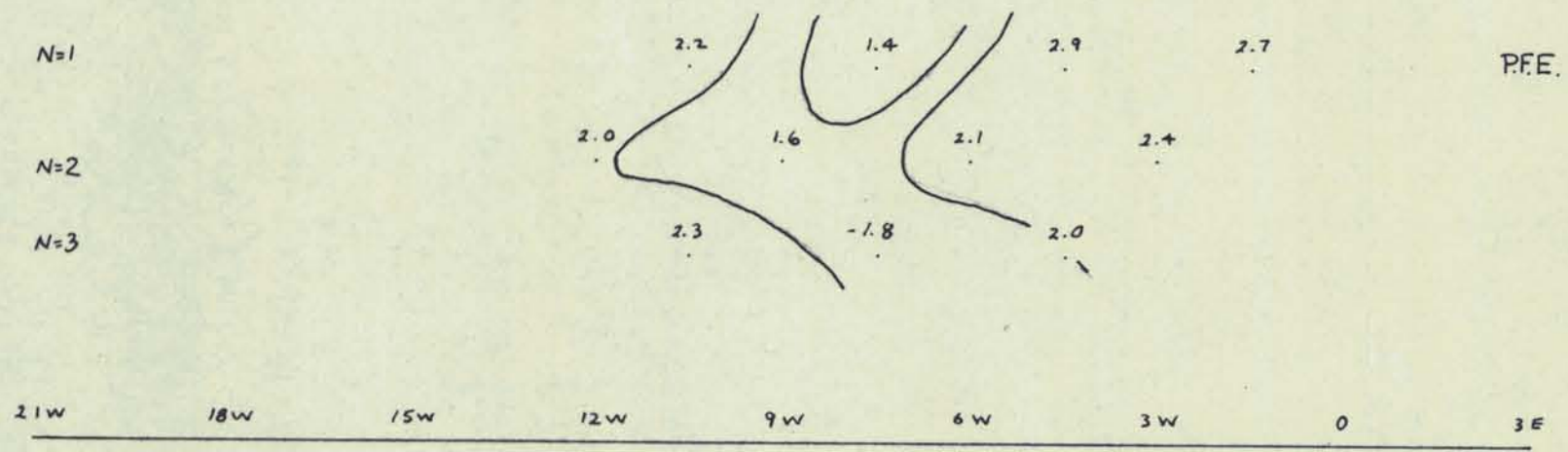
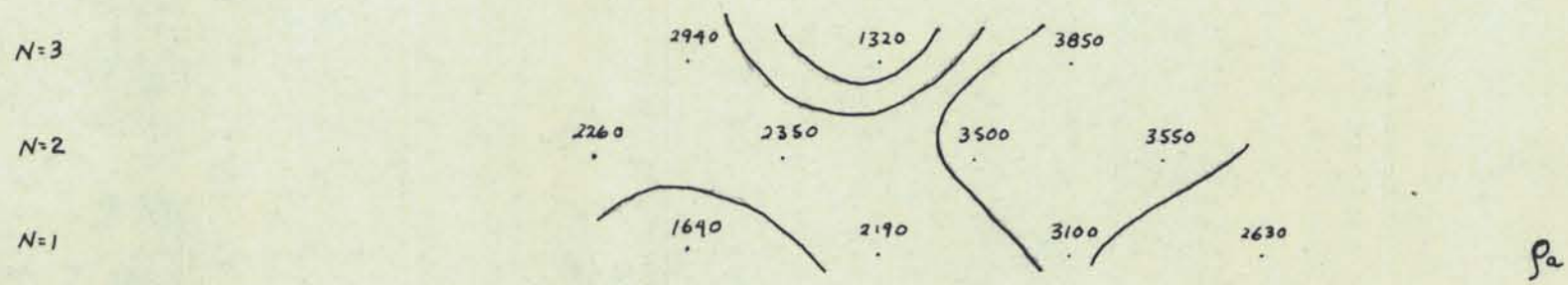
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 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 7/6/70





Topazios  
 LINE: 16+00 s  
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 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 EDITOR: D. HUSTON  
 DATE 25/5/70





**Topazios**

LINE: 12+00 S

DIPOLE - DIPOLE CONFIGURATION

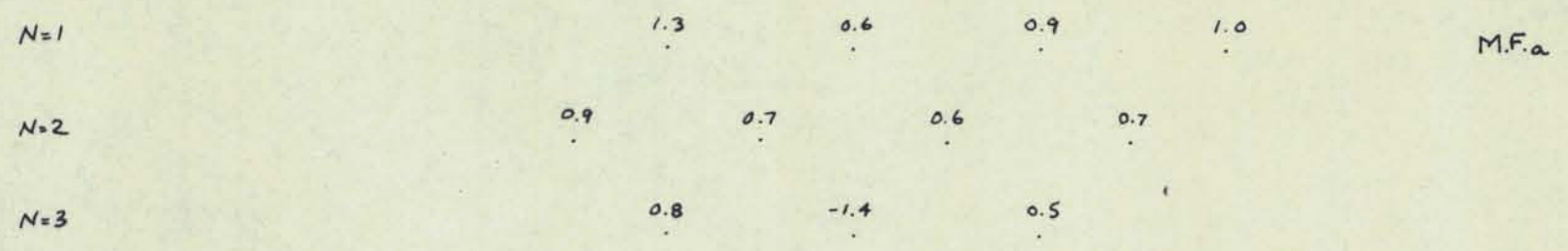
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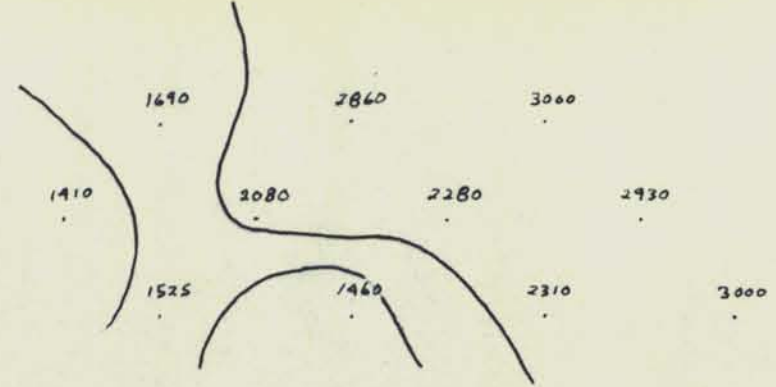
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DRAWN BY: D. HUSTON

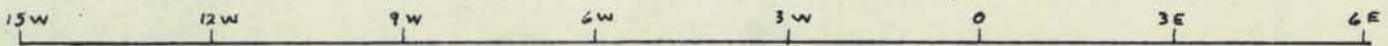
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N=2  
N=1

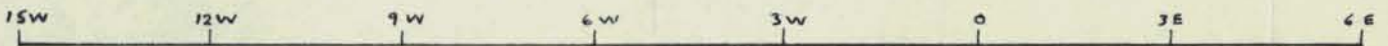
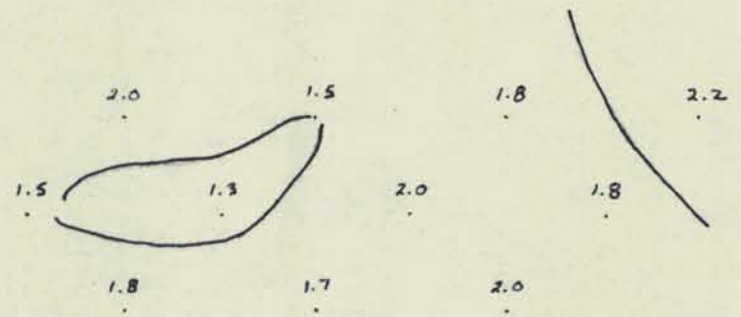


$P_a/2\pi$



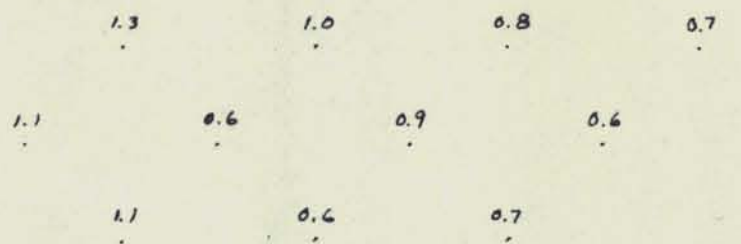
P.F.E.

N=1  
N=2  
N=3



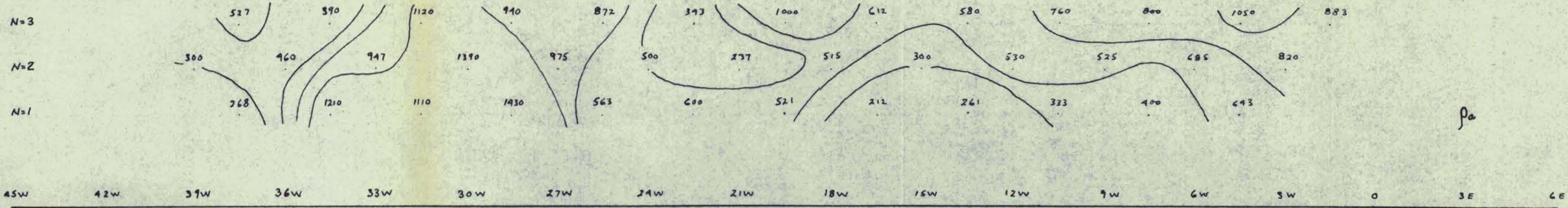
(M.F.)<sub>a</sub>

N=1  
N=2  
N=3

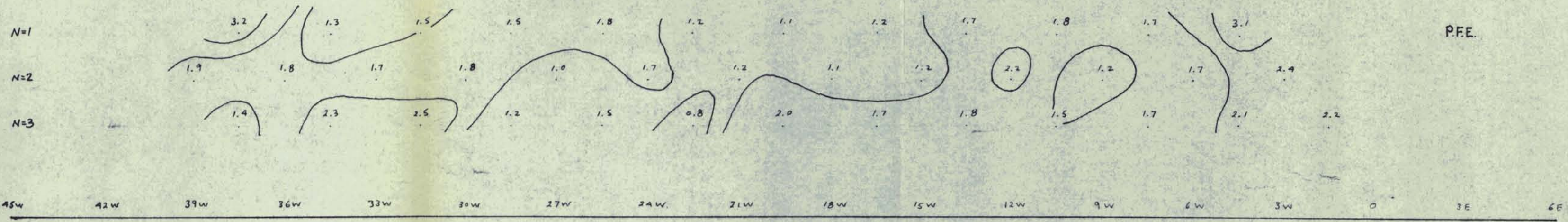


*Topazias*  
 LINE: 8+005  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 $\lambda = 300'$   
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 26/5/70



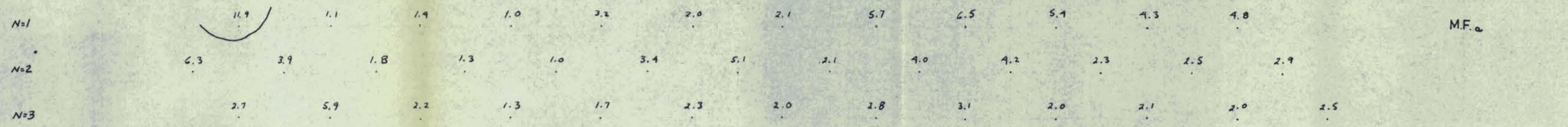


$\rho_a$



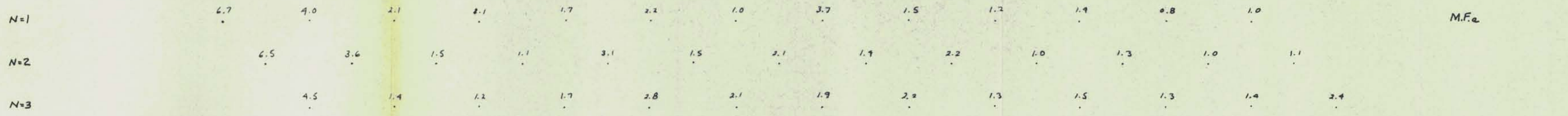
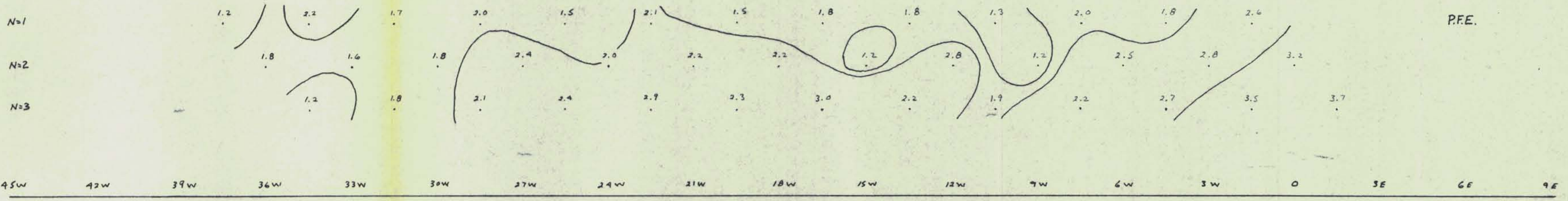
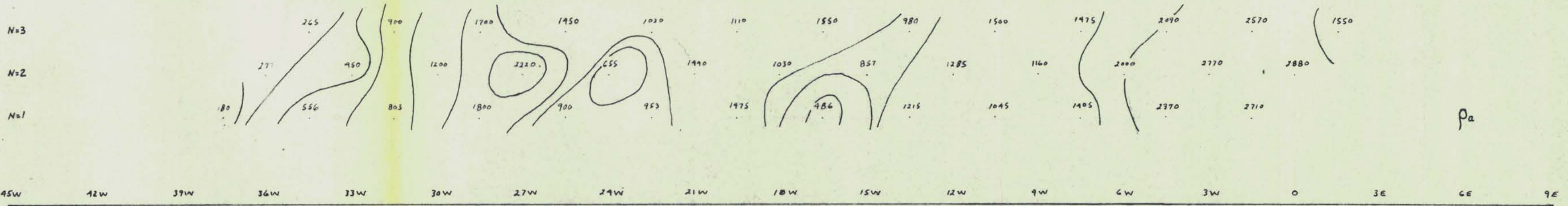
P.F.E.

**Topazios**  
 LINE: 0+00  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 $\lambda = 300'$   
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 3/6/70



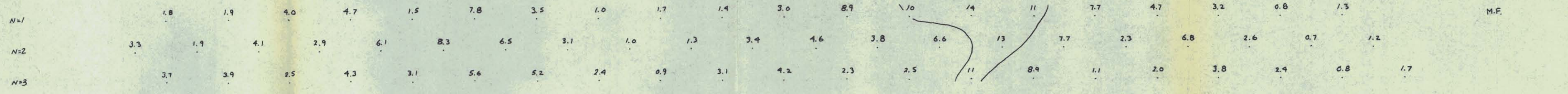
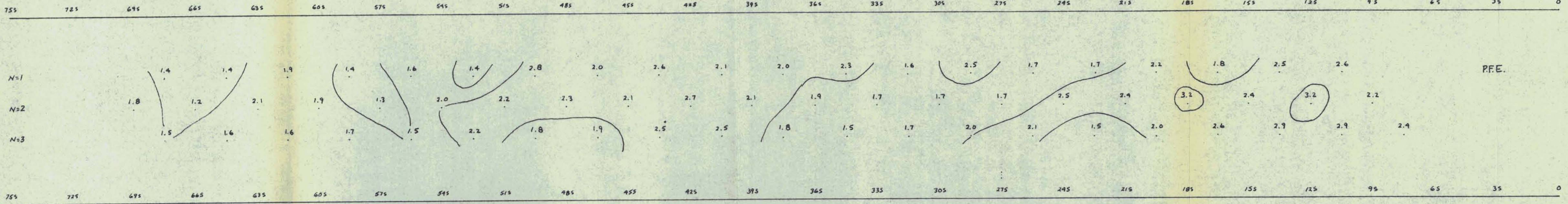
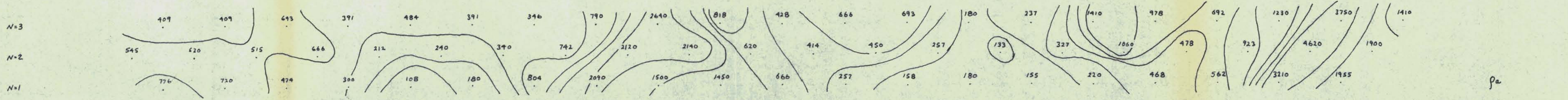
M.F.





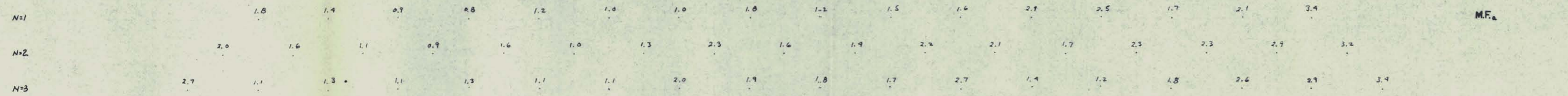
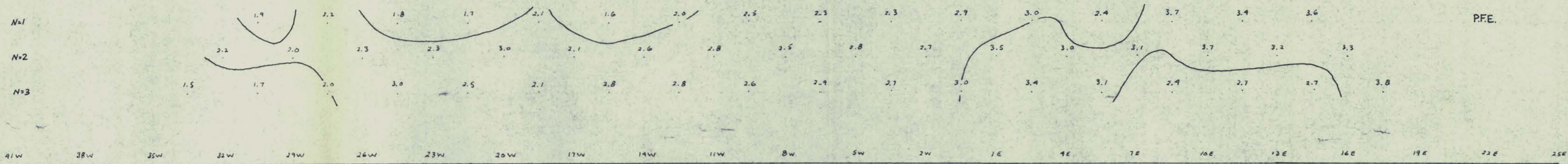
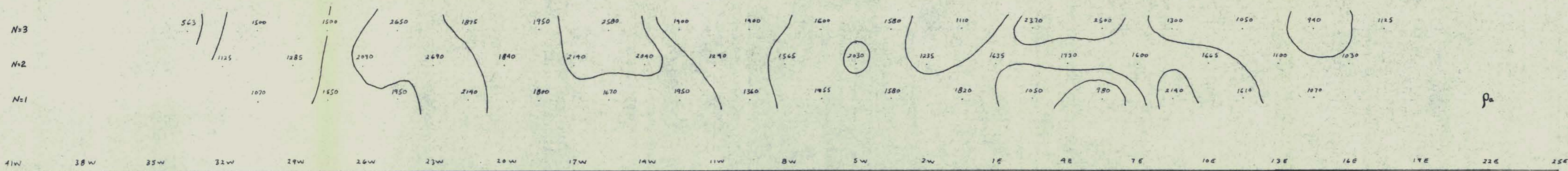
**Topazios**  
 LINE: 8+00N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
**CANEX AERIAL EXPLORATION LTD.**  
 DRAWN BY: D. HUSTON  
 DATE: 3/6/70





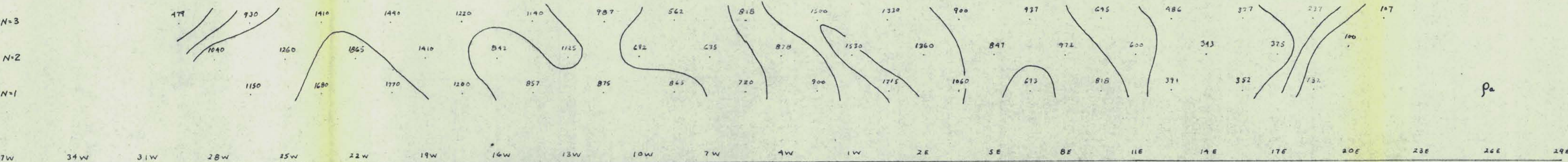
*Topazios*  
 LINE: BASE LINE  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 7/6/70



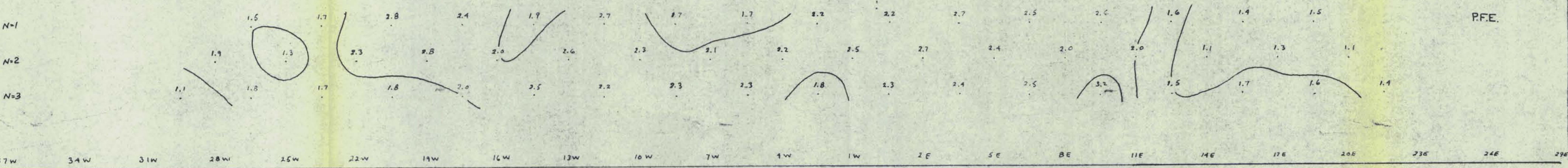


**Topazios**  
 LINE: 16+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 3/6/70



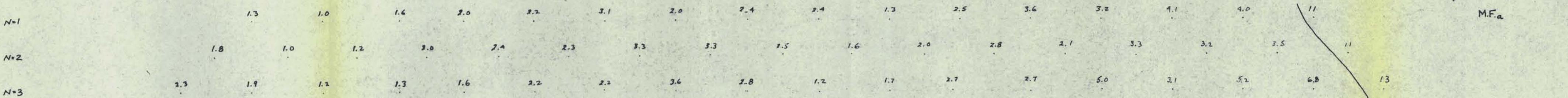


P.F.E.



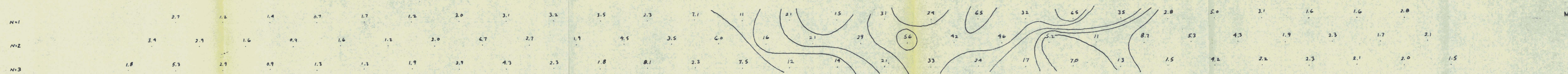
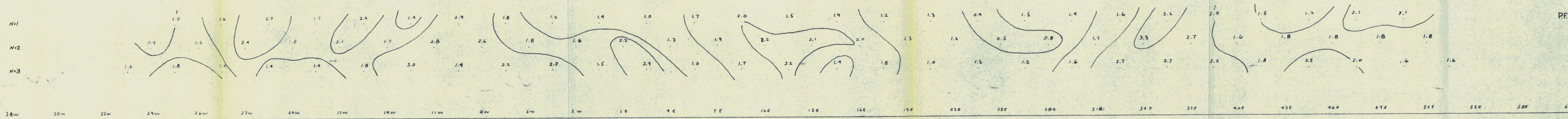
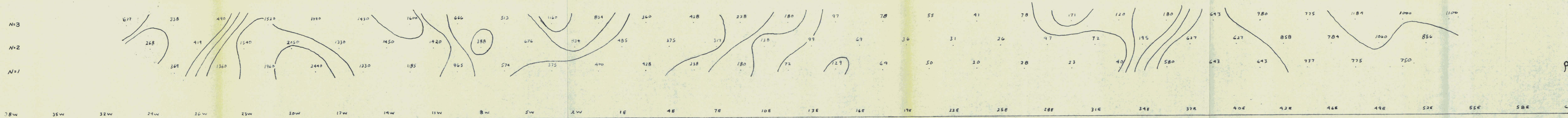
M.F.a

*Topazies*  
 LINE: 24-00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 3/6/70



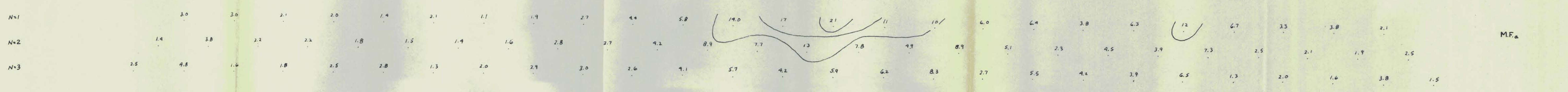
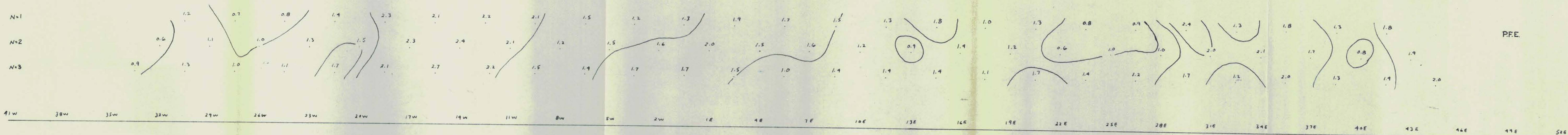
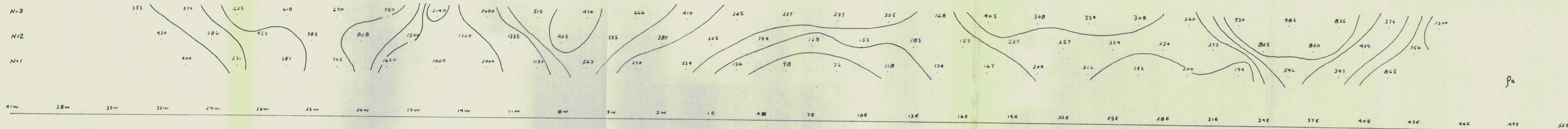
M.F.a





Topazios  
 LINE 32+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 3/6/70

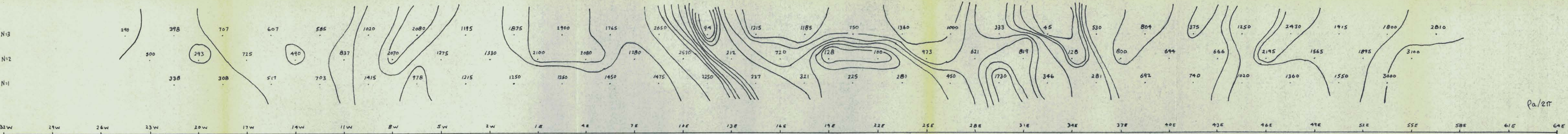




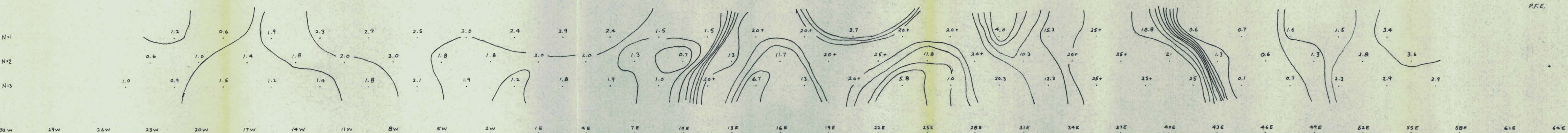
**Topazios**  
 LINE: 40+00N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 3/6/70







Pa/211



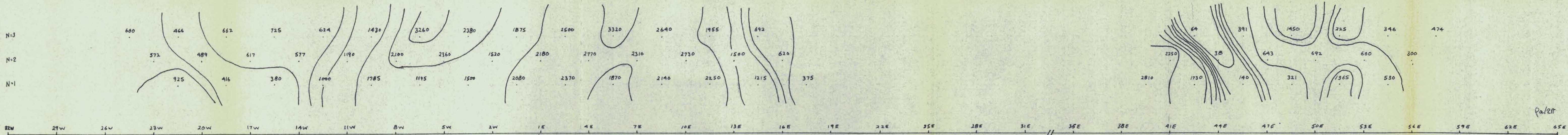
P.F.E.



(M.F.)a

Topazios  
 LINE: 56+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 22/6/70

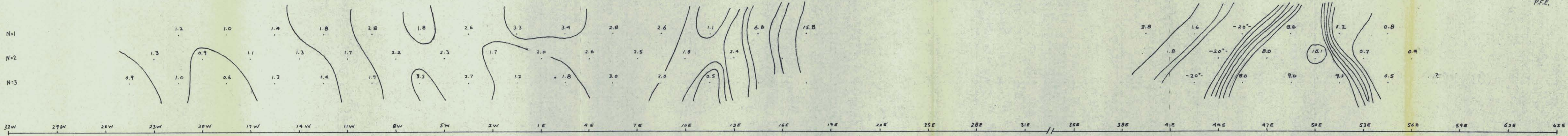




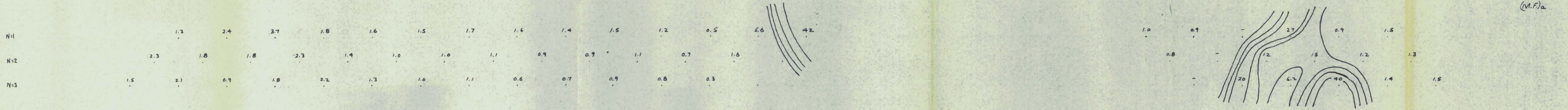
Pa/211

OLD RADAR SITE

P.F.E.

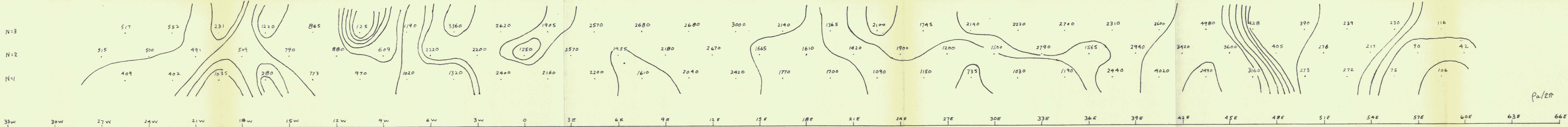


(M.F.)a

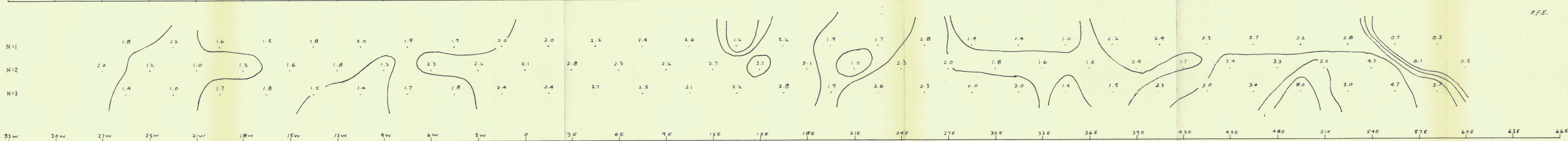


Topazios  
 LINE: 64+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 22/6/70

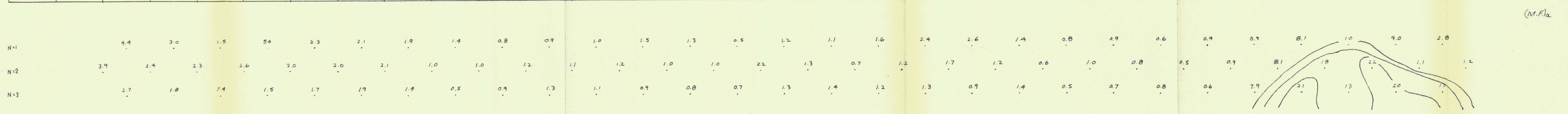




Pa/2π



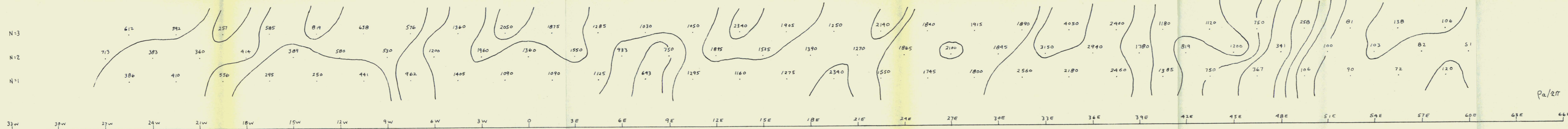
P.F.E.



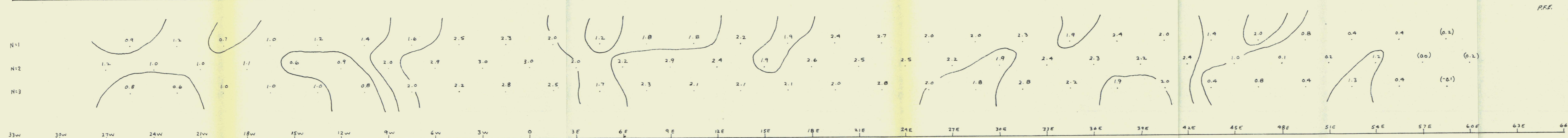
(M.F.)a

Topazios  
 LINE: 72+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 22/6/70

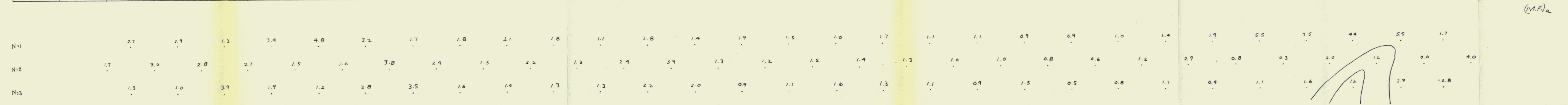




$\rho_a/2\pi$



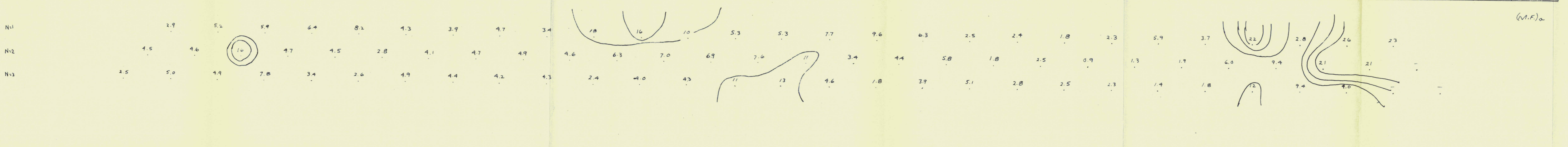
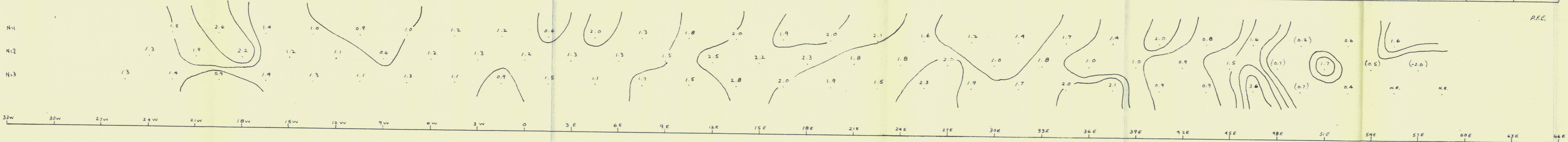
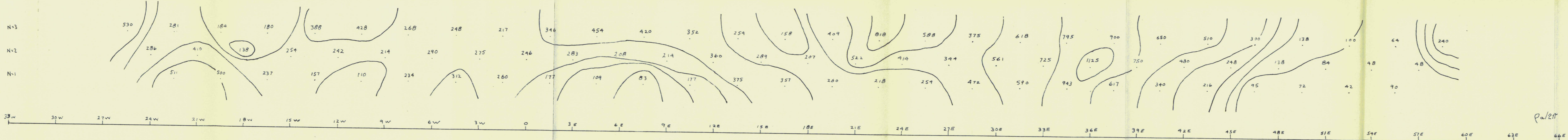
P.F.F.



(M.F.)<sub>a</sub>

*Topazios*  
 LINE: 80+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 22/6/70





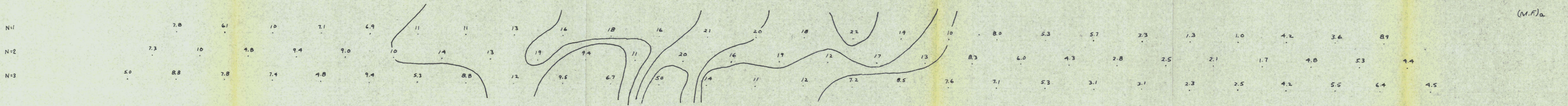
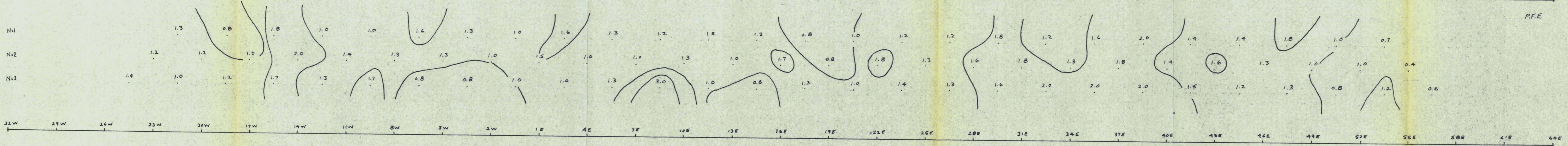
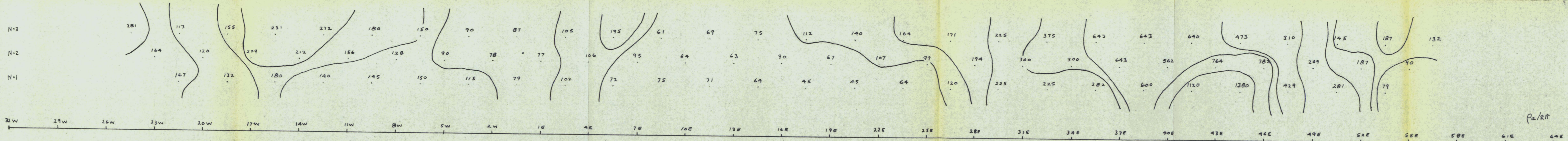
pa/211

P.F.E.

(M.F.)a

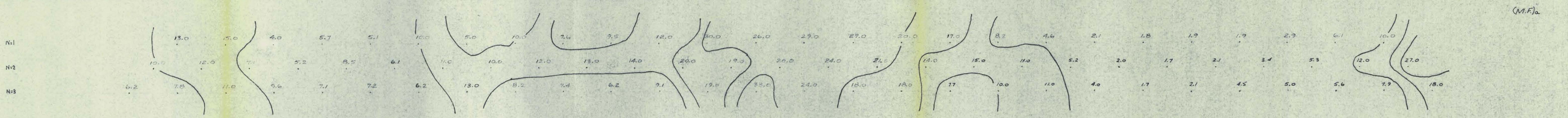
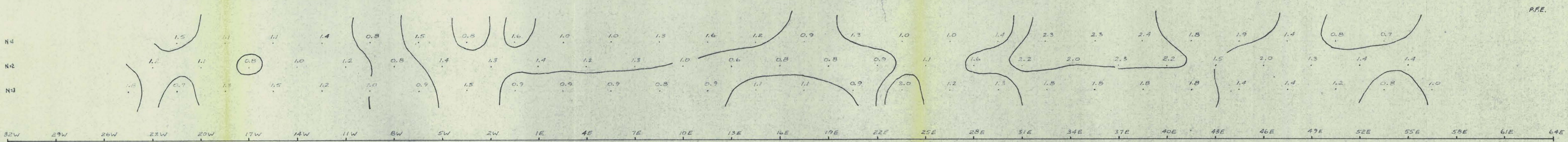
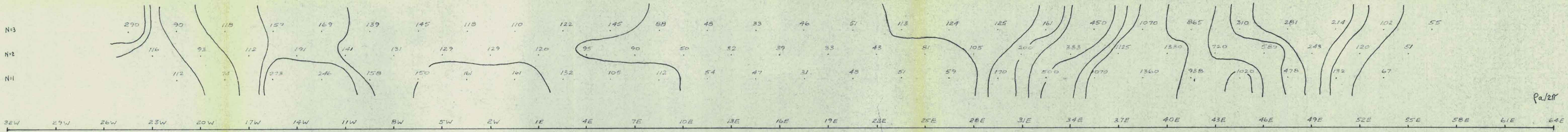
Topazios  
 LINE: 88+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 22/6/70





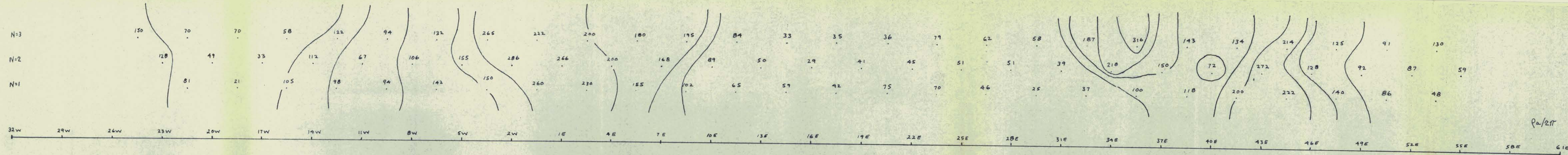
**Topazios**  
 LINE: 96+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 22/6/70



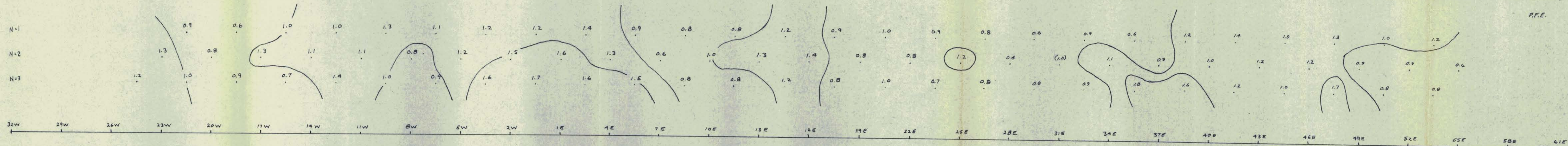


**Topazios**  
 LINE: 104+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE: 22/6/70

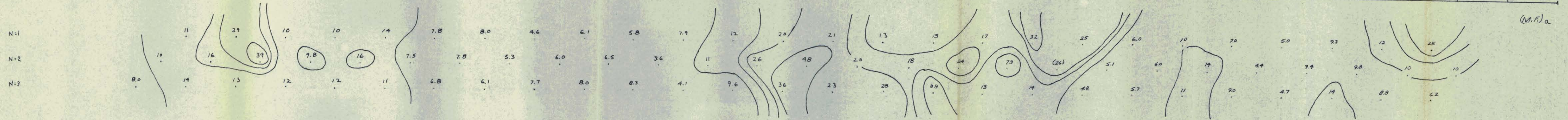




Pa/2π



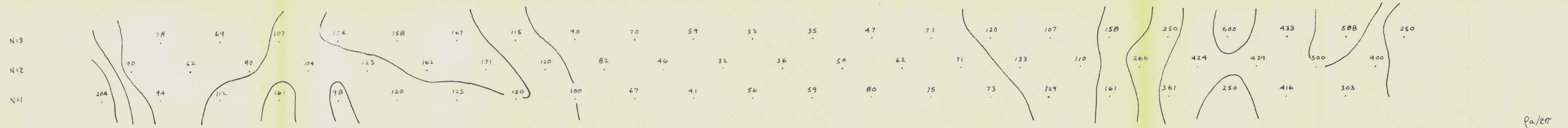
P.F.E.



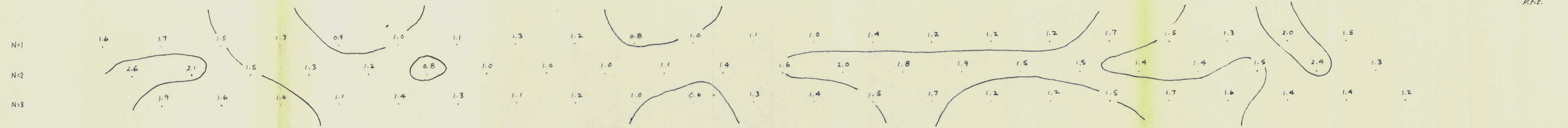
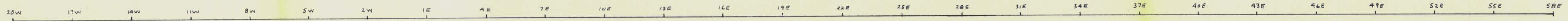
(M.F.)a

Topazios  
 LINE: 112+00N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 22/6/70

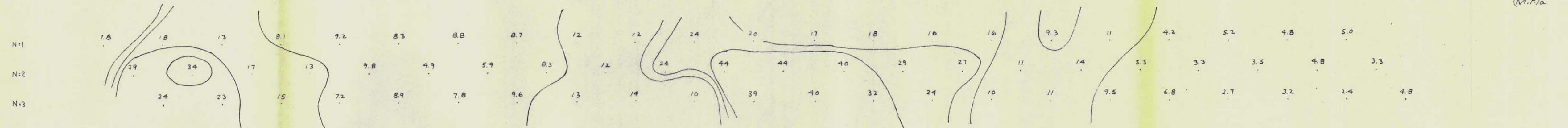
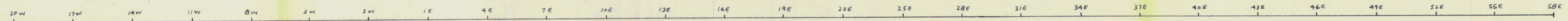




Pa/2H



R.F.E.

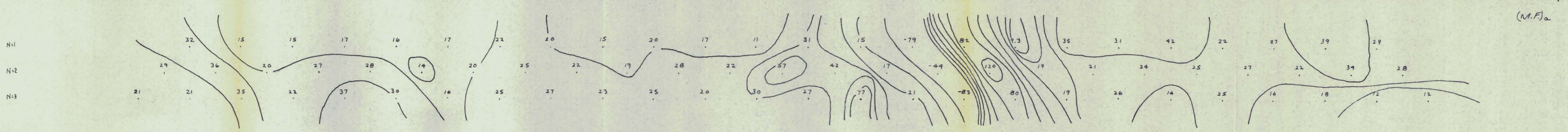
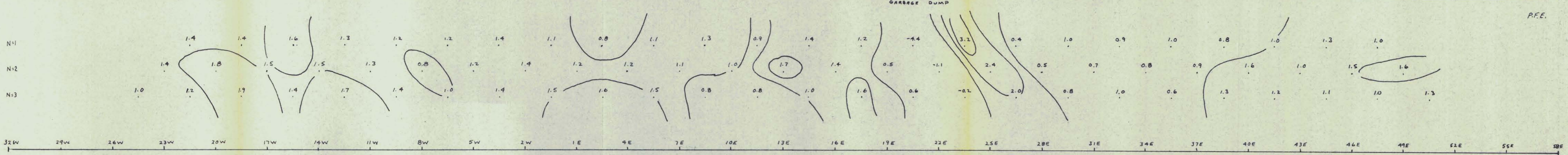
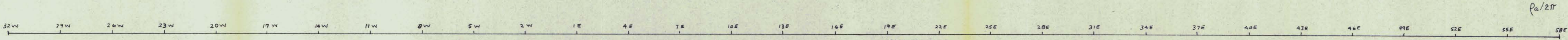


(M.F.)a

*Topazios*  
 LINE: 120+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 $\lambda = 300'$   
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 23/6/70



N=3	48	56	54	64	46	47	64	55	56	70	60	40	27	37	21	28	24	25	43	39	44	53	73	61	86	107
N=2	48	50	77	55	46	57	60	56	55	62	40	46	30	33	30	25	20	27	33	34	36	60	46	44	57	
N=1	44	91	107	75	83	72	65	55	53	55	79	81	45	83	56	39	43	29	29	24	37	37	33	34		



*Topazios*

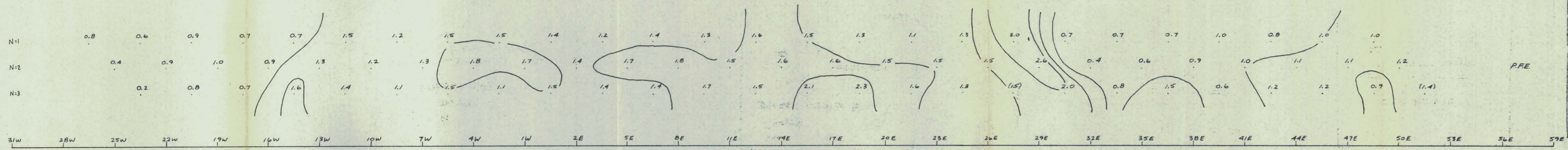
LINE: 128+00N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 23/6/70



N=3		13	36	18	21	36	24	21	24	22	24	55	30	24	26	38	23	19	18	23	23	20	19	38	31	36	45
N=2		16	25	20	16	16	19	29	24	26	29	27	41	38	33	37	33	24	19	13	21	18	14	25	26	25	28
N=1		15	24	15	24	14	29	52	61	44	48	49	54	73	72	73	73	52	58	23	27	24	14	20	23	31	26

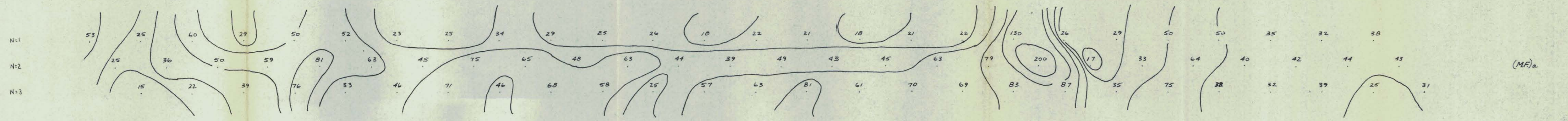
$\frac{p}{2\pi}$

31W 28W 25W 22W 19W 16W 13W 10W 7W 4W 1W 2E 5E 8E 11E 14E 17E 20E 23E 26E 29E 32E 35E 38E 41E 44E 47E 50E 53E 56E 59E



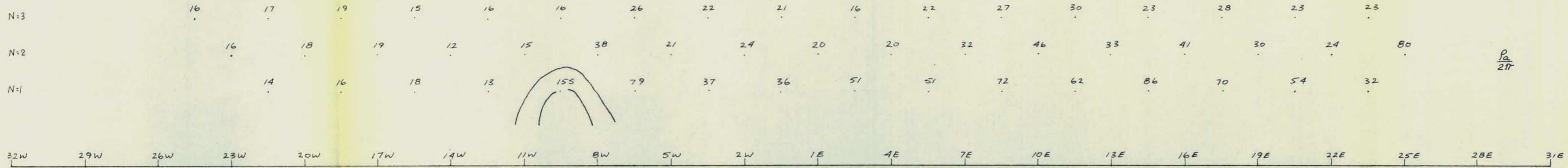
P.F.E.

*Topazios*  
 LINE 136N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 $\chi = 300'$   
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE: 1/7/70

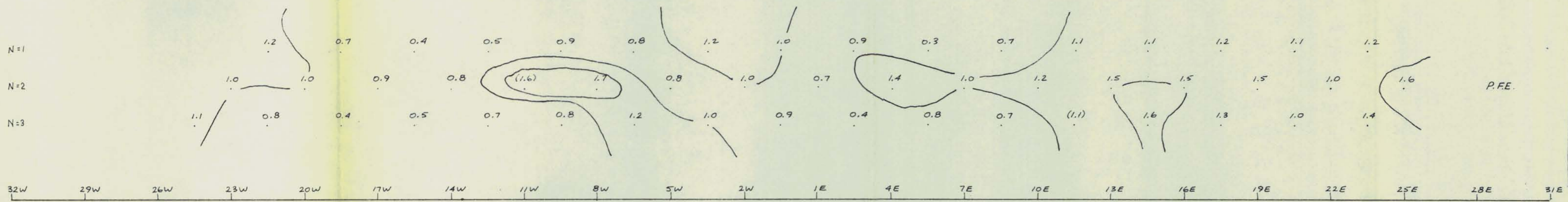


(M.F.)a



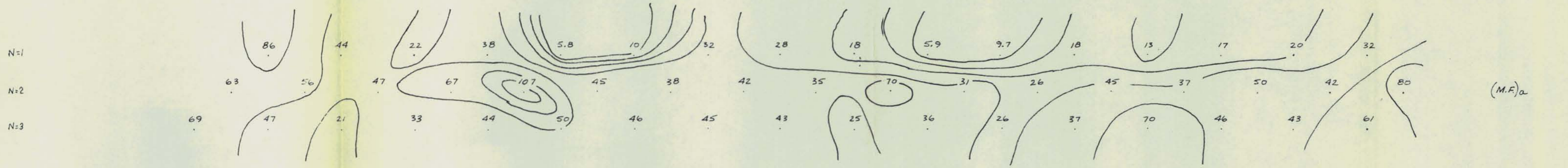


$\frac{p_a}{2\pi}$



P.F.E.

*Topazios*  
 LINE: 144 + 00N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE: 1/7/70



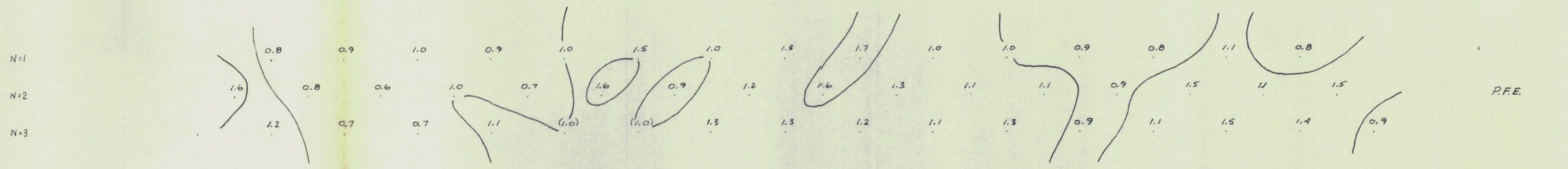
(M.F.)<sub>a</sub>



N=3	18	19	23	19	23	19	21	20	22	21	22	22	23	23	27	28	21
N=2	20	16	22	18	18	28	21	19	20	20	28	26	24	27	26	24	
N=1	19	16	23	20	46	100	33	34	27	35	45	47	65	52	38		

$\frac{p_a}{2\pi}$

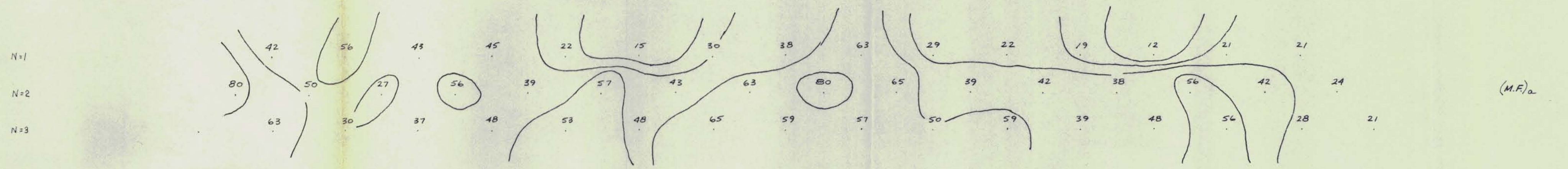
31W 28W 25W 22W 19W 16W 13W 10W 7W 4W 1W 2E 5E 8E 11E 14E 17E 20E 23E 26E 29E 32E



P.F.E.

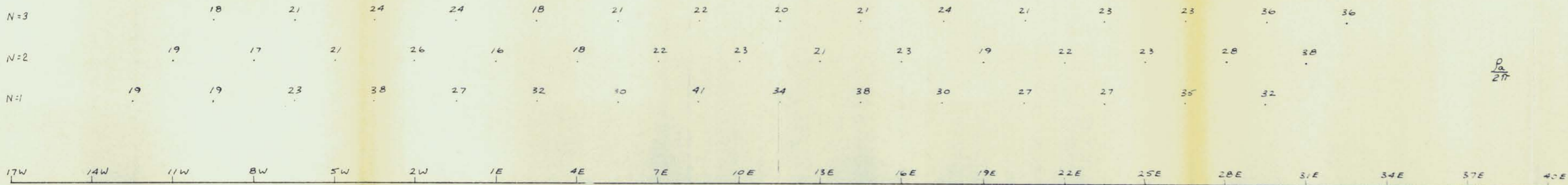
*Topazios*  
 LINE: 152+00  
 DIPOLE-DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CASES AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE: 1/7/70

31W 28W 25W 22W 19W 16W 13W 10W 7W 4W 1W 2E 5E 8E 11E 14E 17E 20E 23E 26E 29E 32E

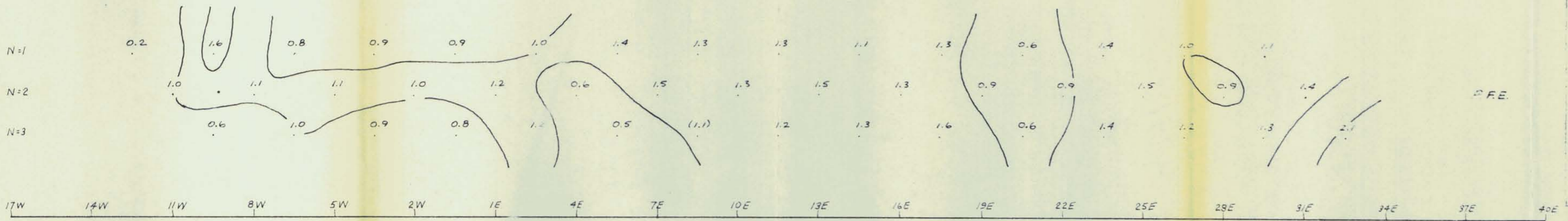


(M.F.)a



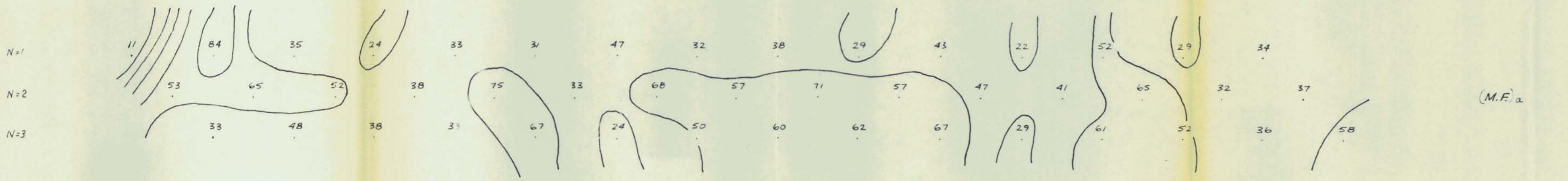


$\frac{P_a}{2\pi}$



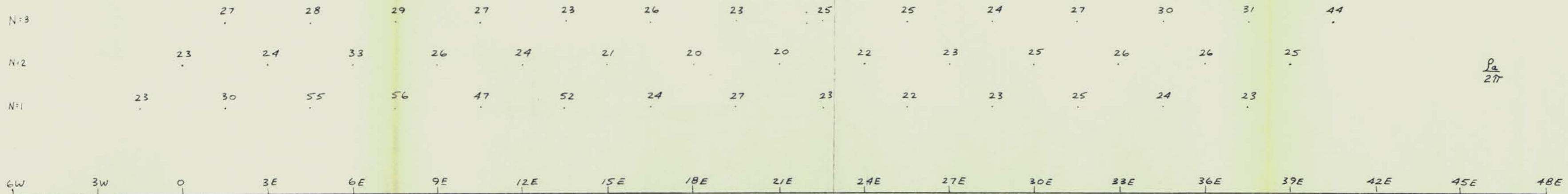
P.F.E.

*Topazios*  
 TIME 160.00N  
 DIPOLE DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE 1/7/70

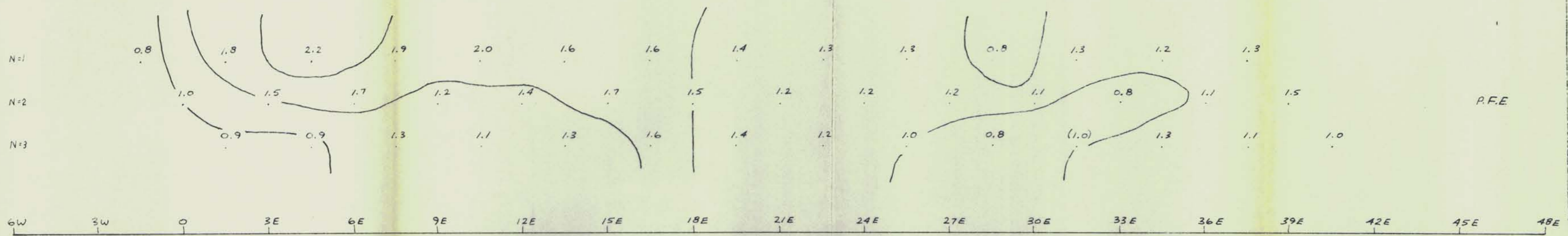


(M.F.)<sub>a</sub>



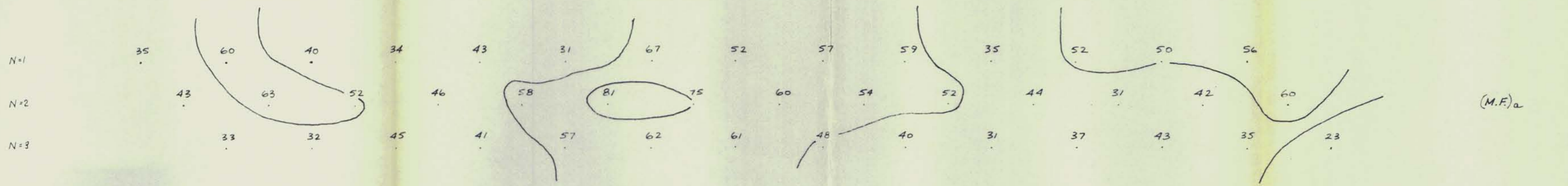


$\frac{\rho_a}{2\pi}$



P.F.E

*Topazios*  
 LINE 168.00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 $\chi = 300'$   
 CAREX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE: 1/7/70

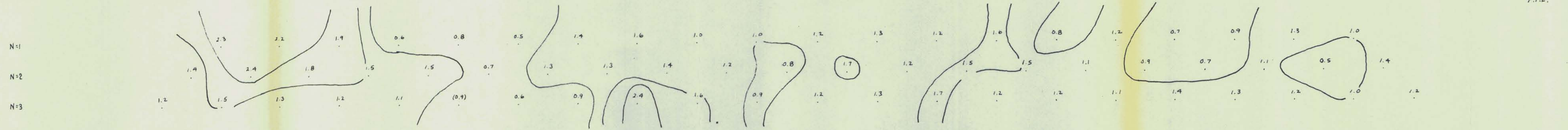


(M.F.)<sub>a</sub>

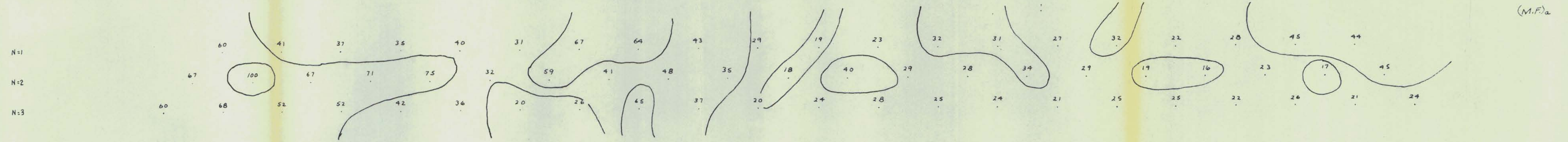


N=3	20	12	26	23	26	25	30	34	37	43	44	61	46	67	51	57	44	56	58	47	47	50
N=2	21	24	27	21	20	22	22	32	29	34	44	42	41	53	44	38	48	44	47	30	31	
N=1	38	54	52	17	10	16	21	25	23	34	62	56	38	51	30	38	32	32	29	23		

32W 29W 26W 23W 20W 17W 14W 11W 8W 5W 2W 1E 4E 7E 10E 13E 16E 19E 22E 25E 28E 31E 34E 37E 40E 43E 46E

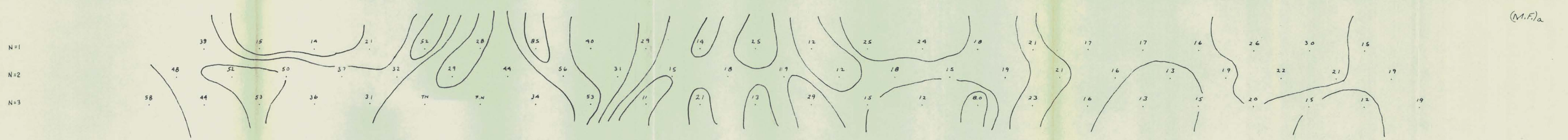
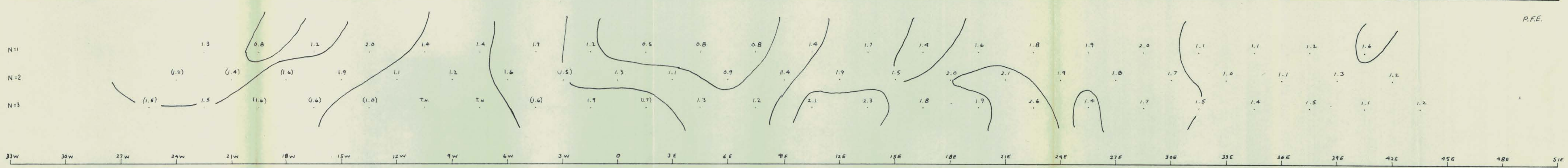
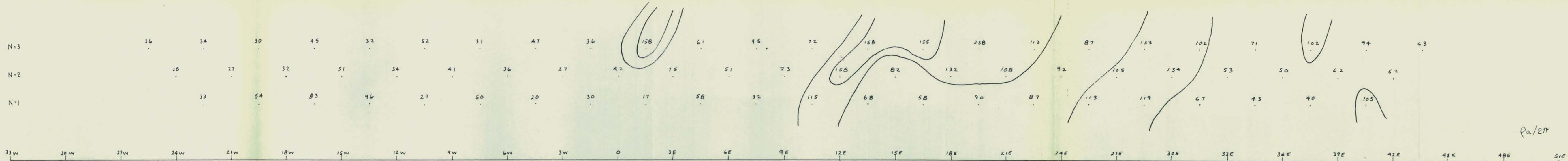


32W 29W 26W 23W 20W 17W 14W 11W 8W 5W 2W 1E 4E 7E 10E 13E 16E 19E 22E 25E 28E 31E 34E 37E 40E 43E 46E



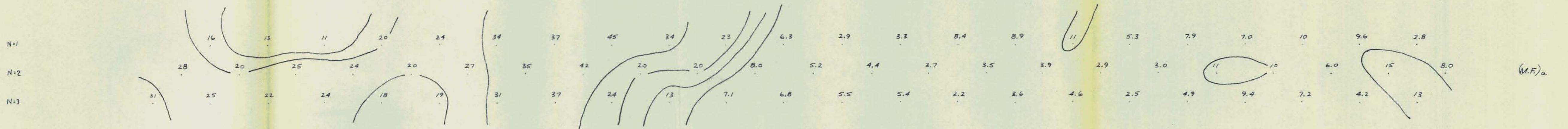
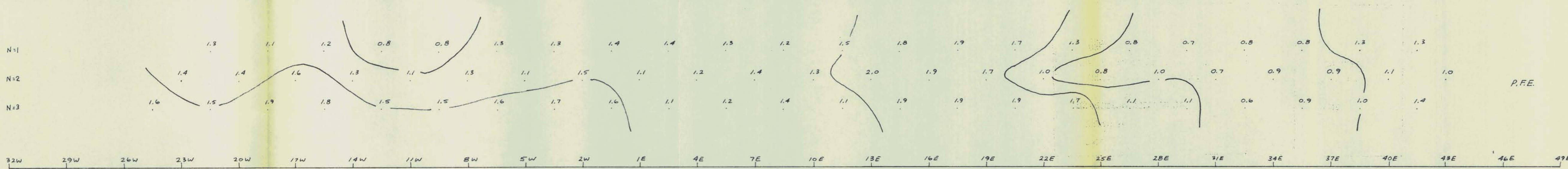
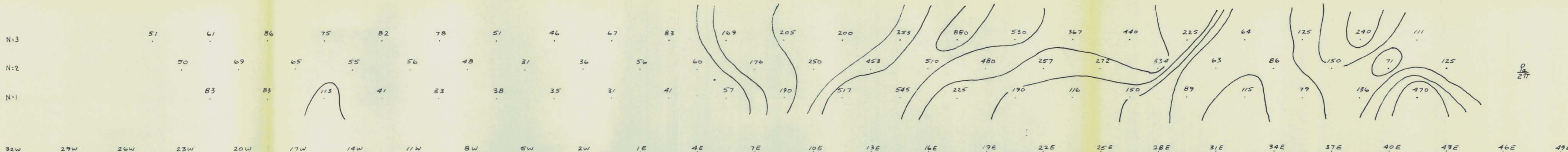
*Topazios*  
 LINE: 176+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 2/7/70





*Topazios*  
 LINE 184.00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. HUSTON  
 DATE: 2/7/70

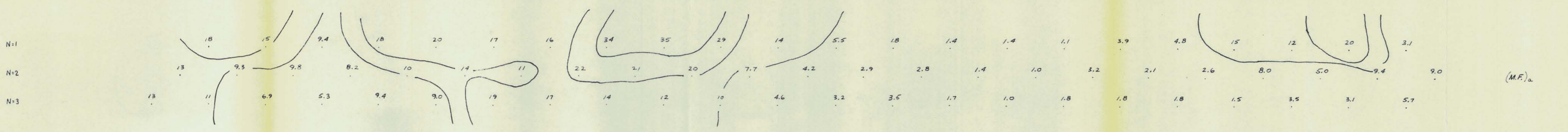
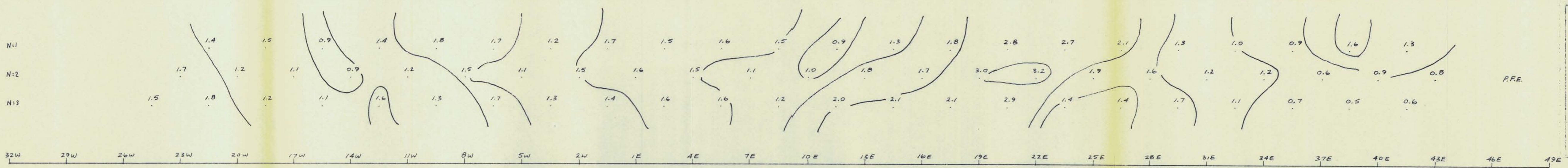
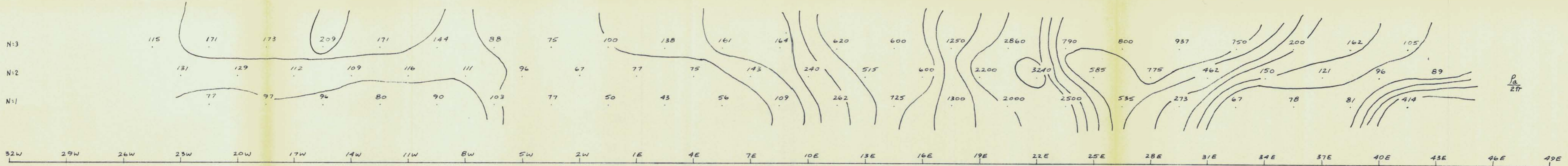




*Topazios*

LINE: 192+00N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CAMEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE: 1/7/70

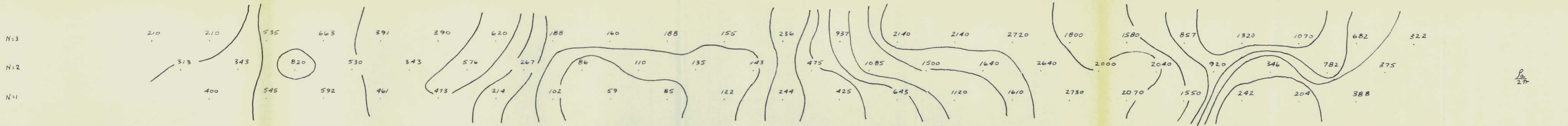




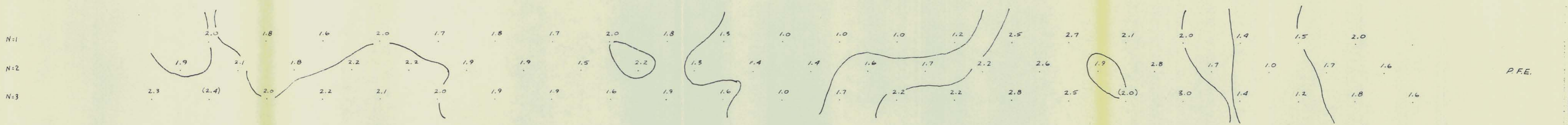
*Topazios*

LINE: 200+00N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 c/s.  
 $\lambda = 300'$   
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE: 1/7/70

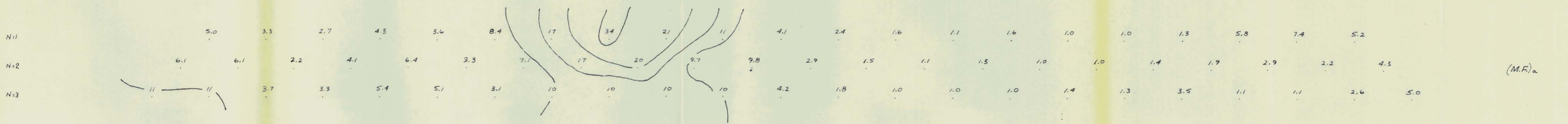




32W 29W 26W 23W 20W 17W 14W 11W 8W 5W 2W 1E 4E 7E 10E 13E 16E 19E 22E 25E 28E 31E 34E 37E 40E 43E 46E 49E



32W 29W 26W 23W 20W 17W 14W 11W 8W 5W 2W 1E 4E 7E 10E 13E 16E 19E 22E 25E 28E 31E 34E 37E 40E 43E 46E 49E



32W 29W 26W 23W 20W 17W 14W 11W 8W 5W 2W 1E 4E 7E 10E 13E 16E 19E 22E 25E 28E 31E 34E 37E 40E 43E 46E 49E

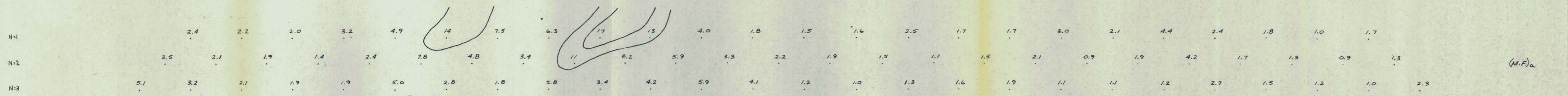
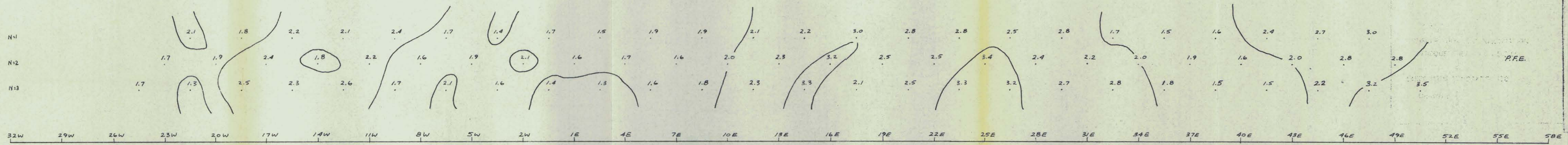
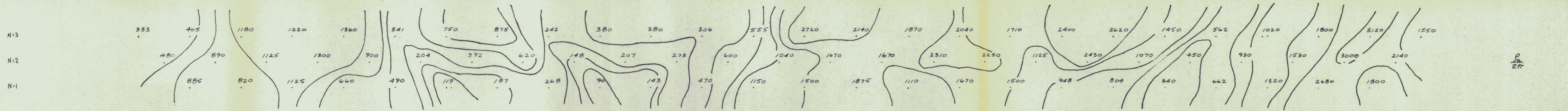
$\frac{p_a}{2\pi}$

P.F.E.

(M.F.)<sub>a</sub>

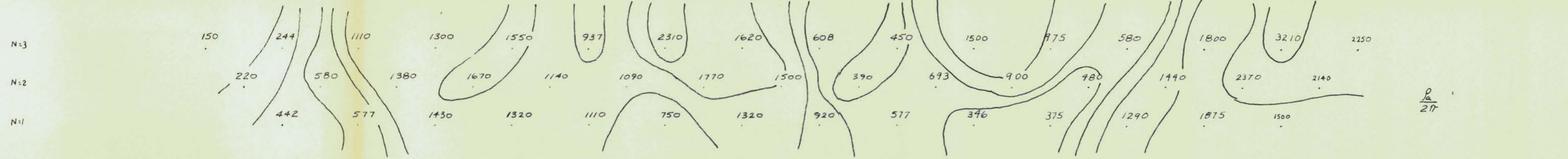
Topazios  
 LINE: 208+00N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 to 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 1/7/70



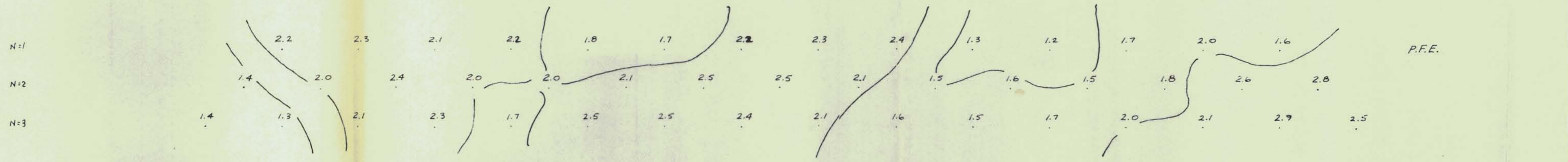


Topazios  
 LINE: 216+00N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE: 1/7/70

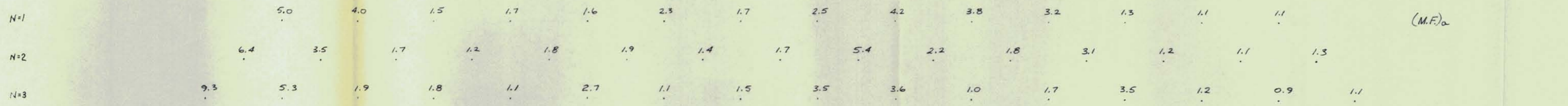




33W 30W 27W 24W 21W 18W 15W 12W 9W 6W 3W 0 3E 6E 9E 12E 15E 18E 21E 24E 27E

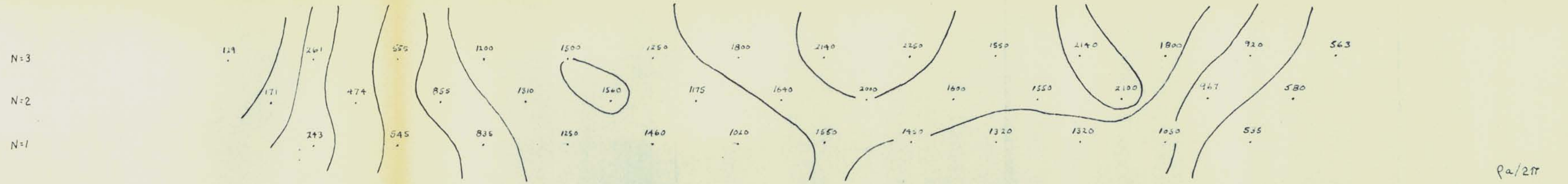


33W 30W 27W 24W 21W 18W 15W 12W 9W 6W 3W 0 3E 6E 9E 12E 15E 18E 21E 24E 27E

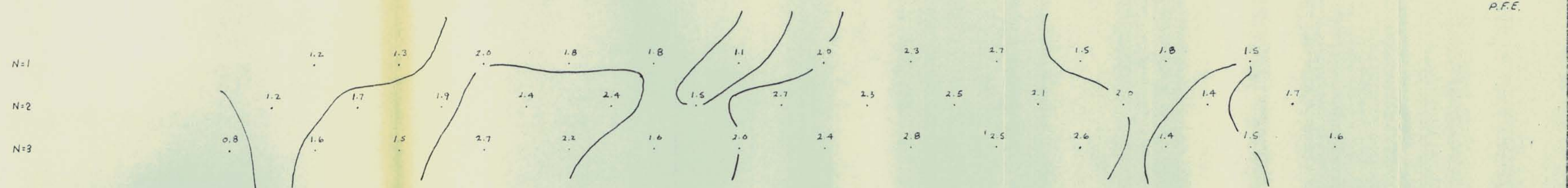
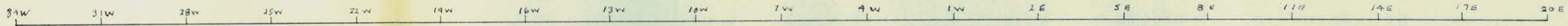


*Topazios*  
 LINE: 224.00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 $\lambda = 300'$   
 CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE: 1/7/70

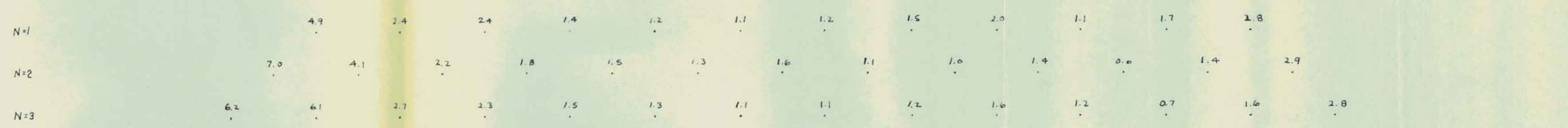
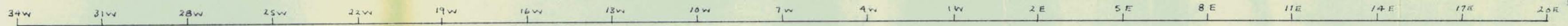




Pa/2π



P.F.E.



(M.F.)a

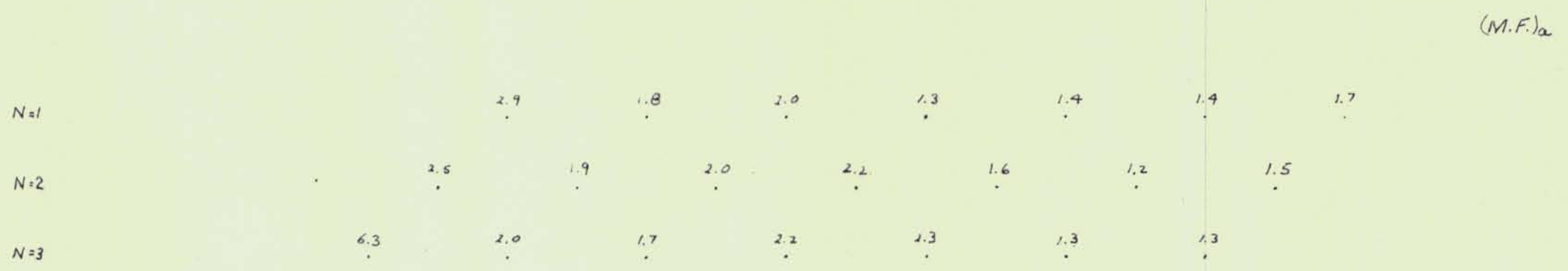
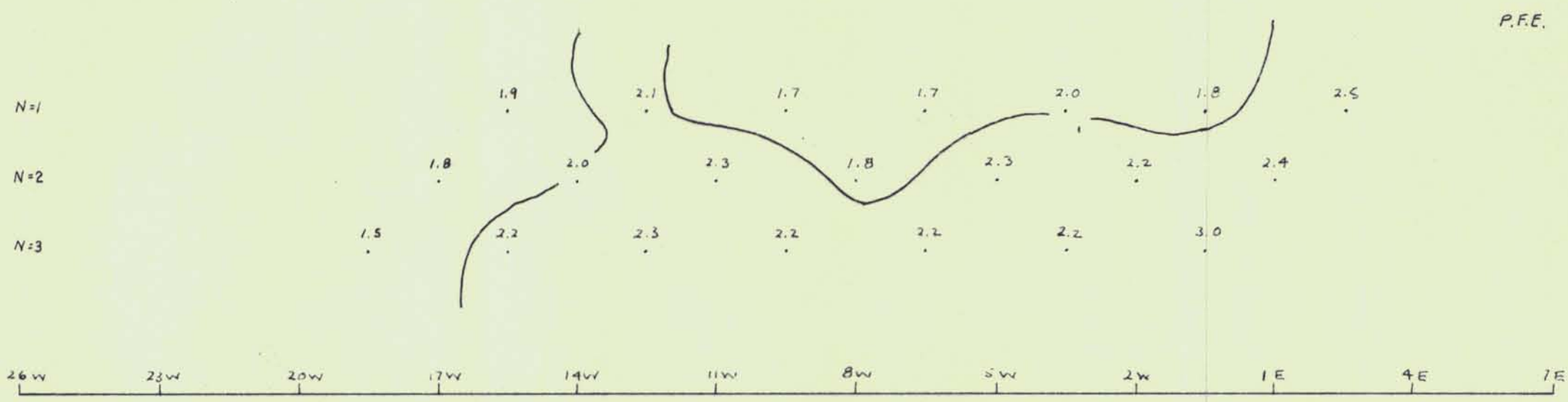
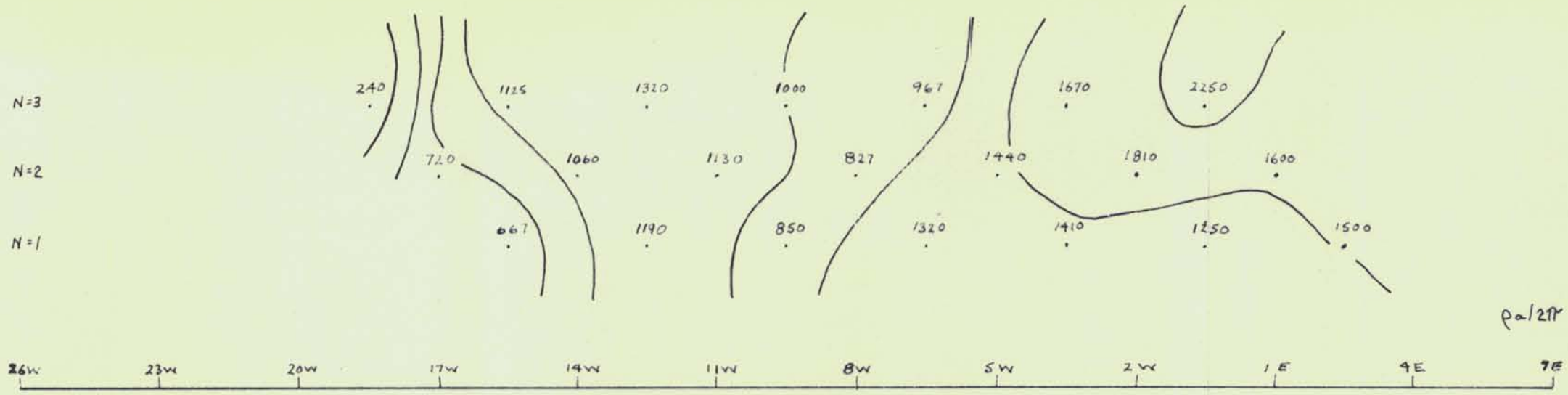
*Topazios*

LITE: 232+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 λ = 300'

CANEX AERIAL EXPLORATION LTD.

DRAWN BY: D. PENNER  
 DATE: 1/7/70





*Topazios*

LINE: 240+00 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'

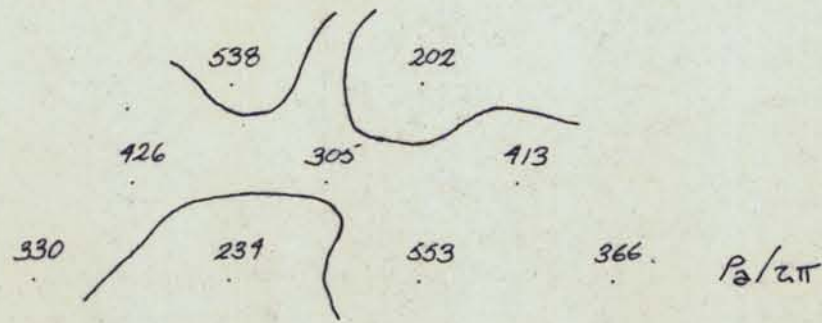
CANEX AERIAL EXPLORATION LTD.  
 DRAWN BY: D. PENNER  
 DATE: 1/7/70



N-3

N-2

N-1



50W

47W

44W

41W

38W

35W

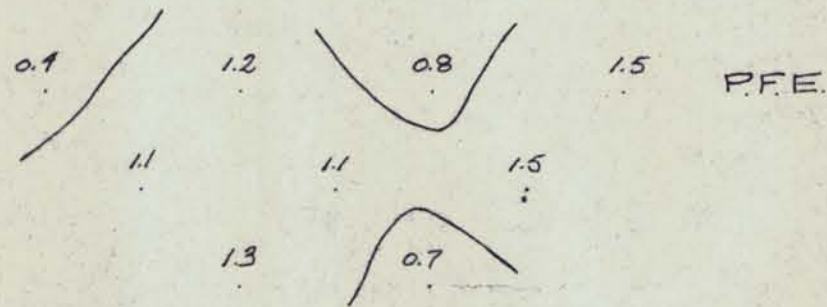
32W

29W

N-1

N-2

N-3



50W

47W

44W

41W

38W

35W

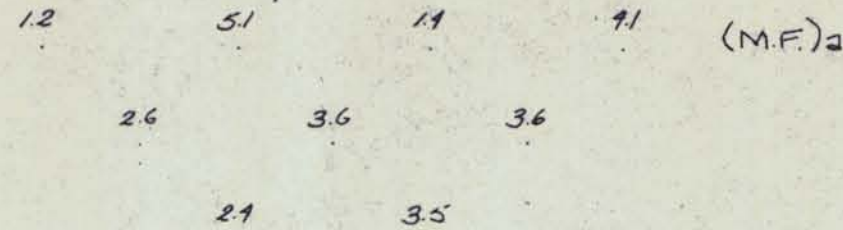
32W

29W

N-1

N-2

N-3



TOPAZIOS

LINE: 40N

DIPOLE - DIPOLE CONFIGURATION

FREQUENCIES: 0.31 + 5.0 cps.

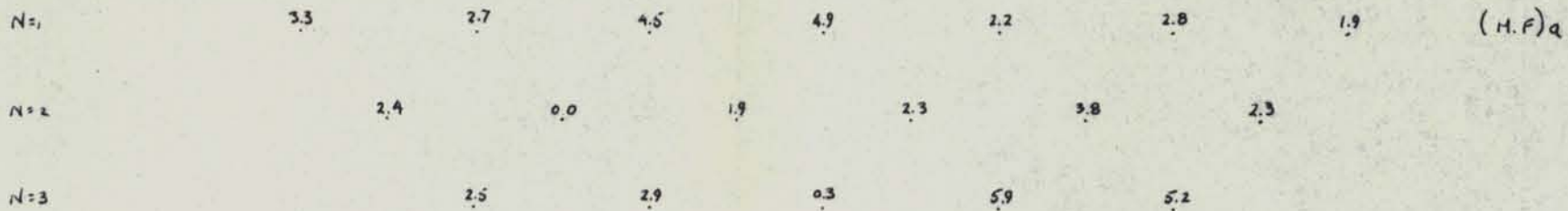
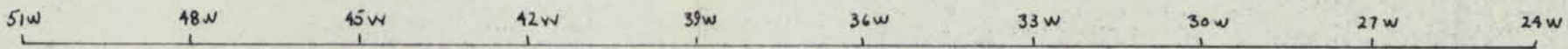
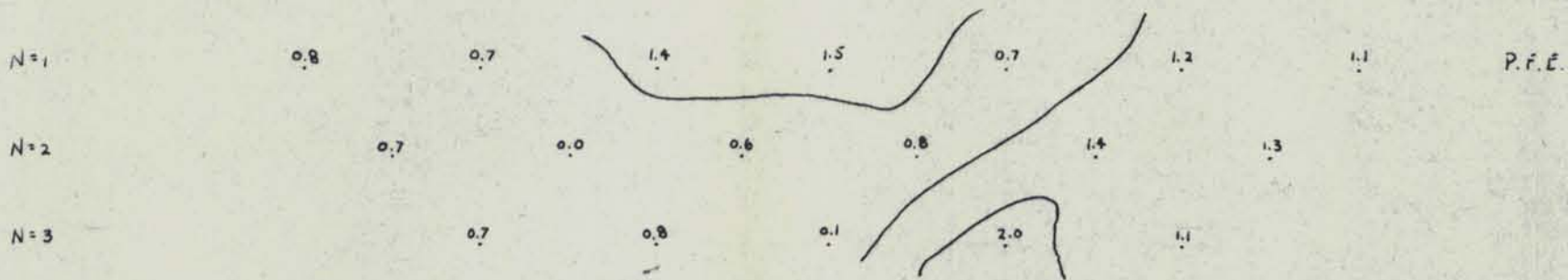
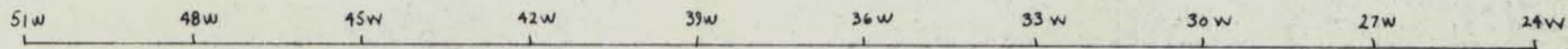
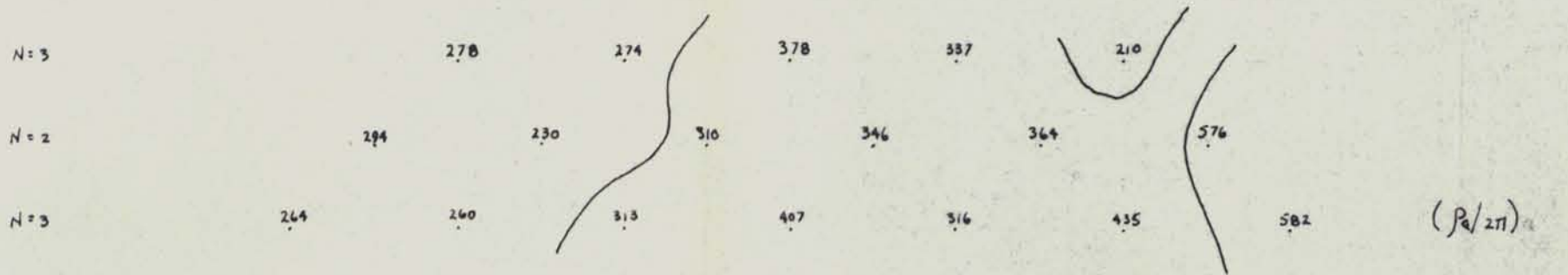
X = 300'

CANEX AERIAL EXPLORATION LTD.

DRAWN BY: R. DURFELD

DATE: AUG 1970





**TOPAZIOS**

**LINE: 48N**

DIPOLE - DIPOLE CONFIGURATION

FREQUENCIES: 0.31 + 5.0 cps.

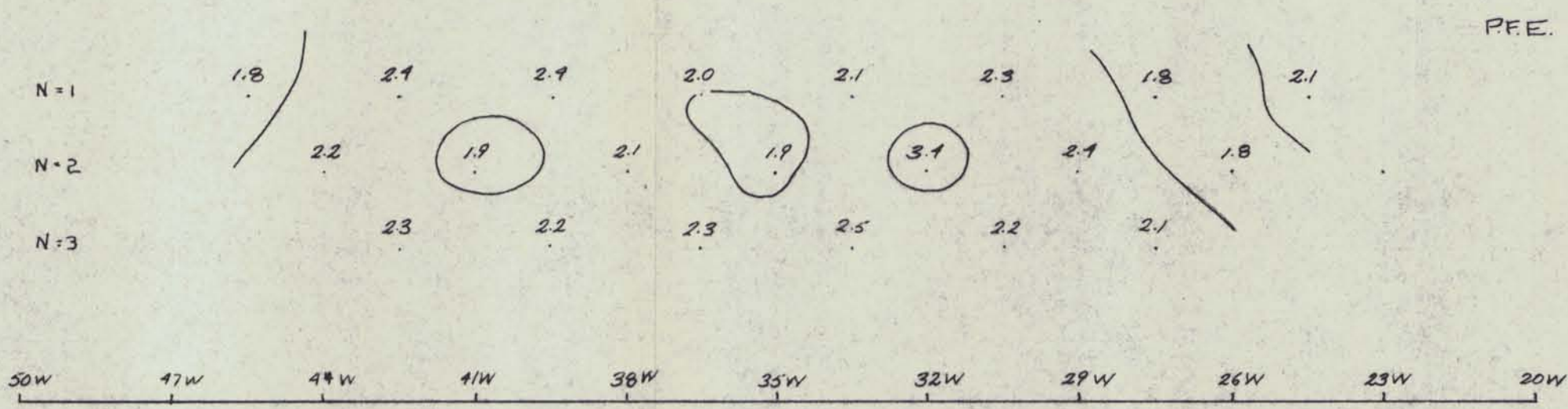
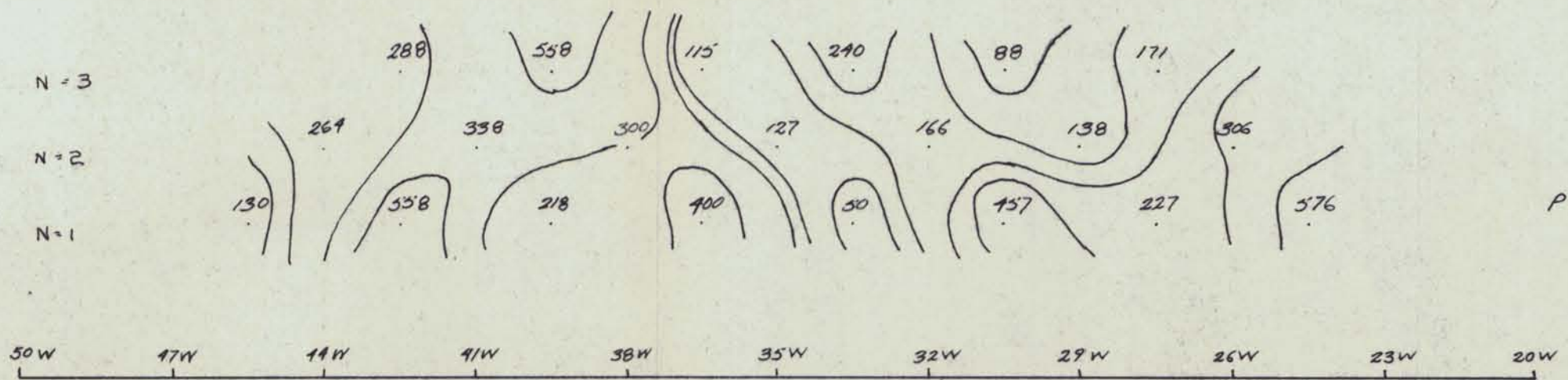
$\lambda = 300'$

C. AERIAL EXPLORATION LTD.

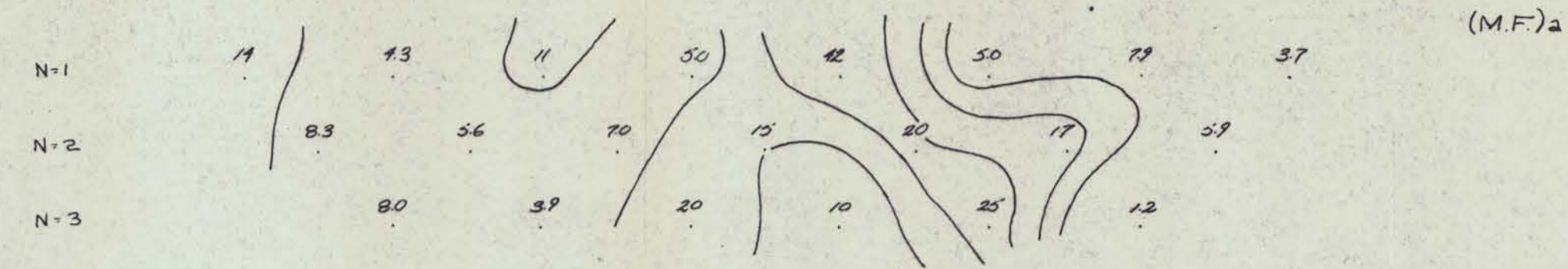
BY: R. DURFELD

AUG 1970





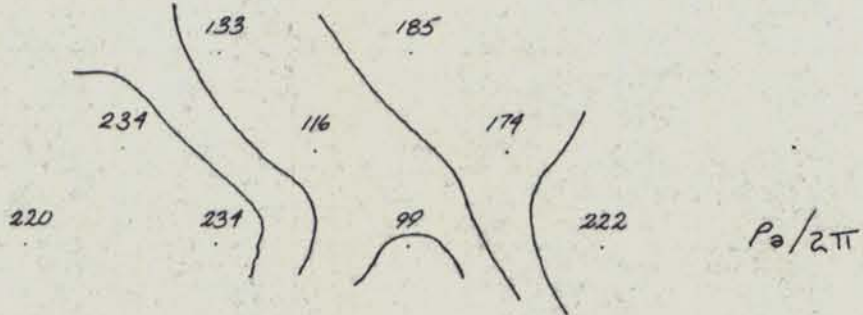
TOPAZIOS  
 LINE: 56 N  
 DIPOLE - DIPOLE CONFIGURATION  
 FREQUENCIES: 0.31 + 5.0 cps.  
 X = 300'  
 CAPTEL AERIAL EXPLORATION LTD.  
 BY: R. DURFELD  
 AUG 1970



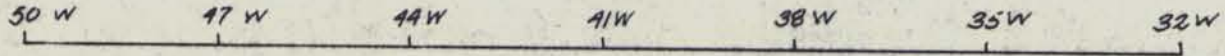
N=3

N=2

N=1



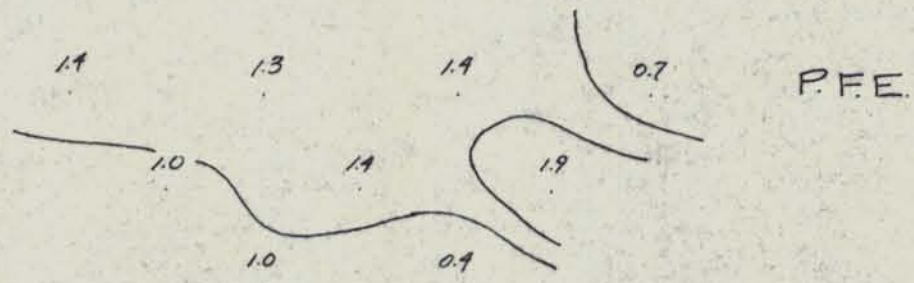
$P_a/2\pi$



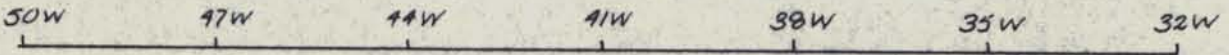
N=1

N=2

N=3



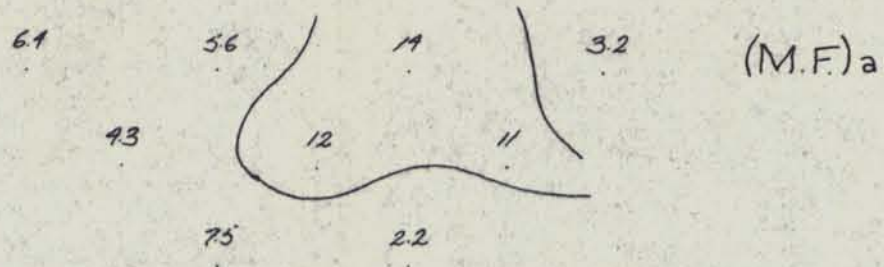
P.F.E.



N=1

N=2

N=3



(M.F.)a

TOPAZ105

LINE: 64 N

DIPOLE - DIPOLE CONFIGURATION

FREQUENCIES: 0.31 + 5.0 cps.

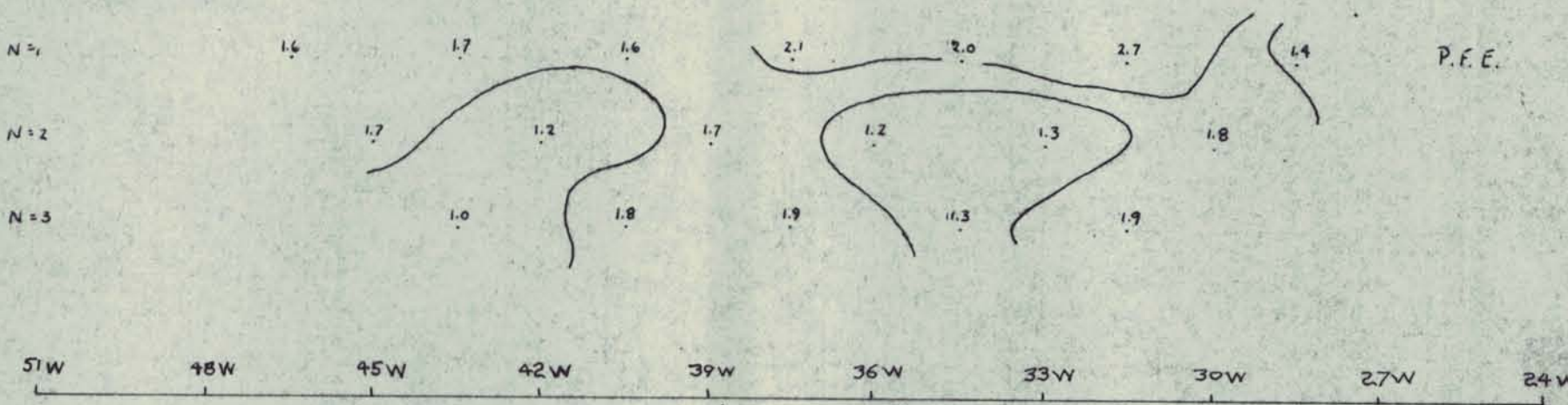
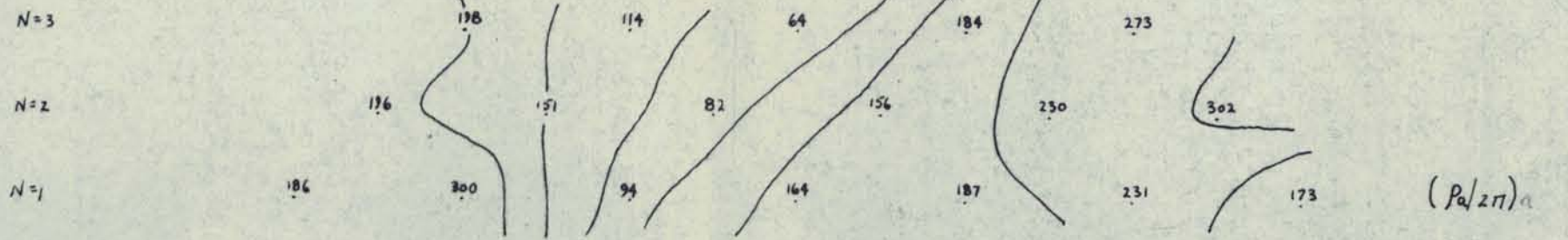
$\lambda = 300'$

CANEX AERIAL EXPLORATION LTD.

DRAWN BY: R. DURFELD

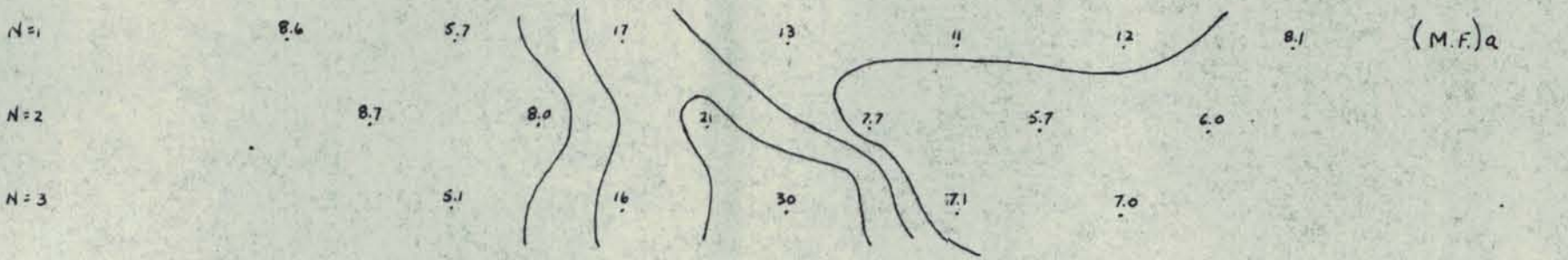
DATE: AUG 1970





**TOPAZIOS**

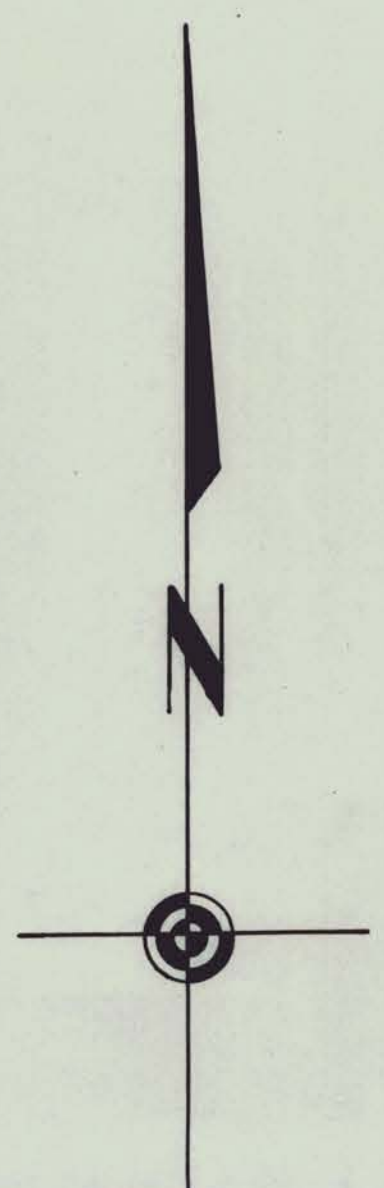
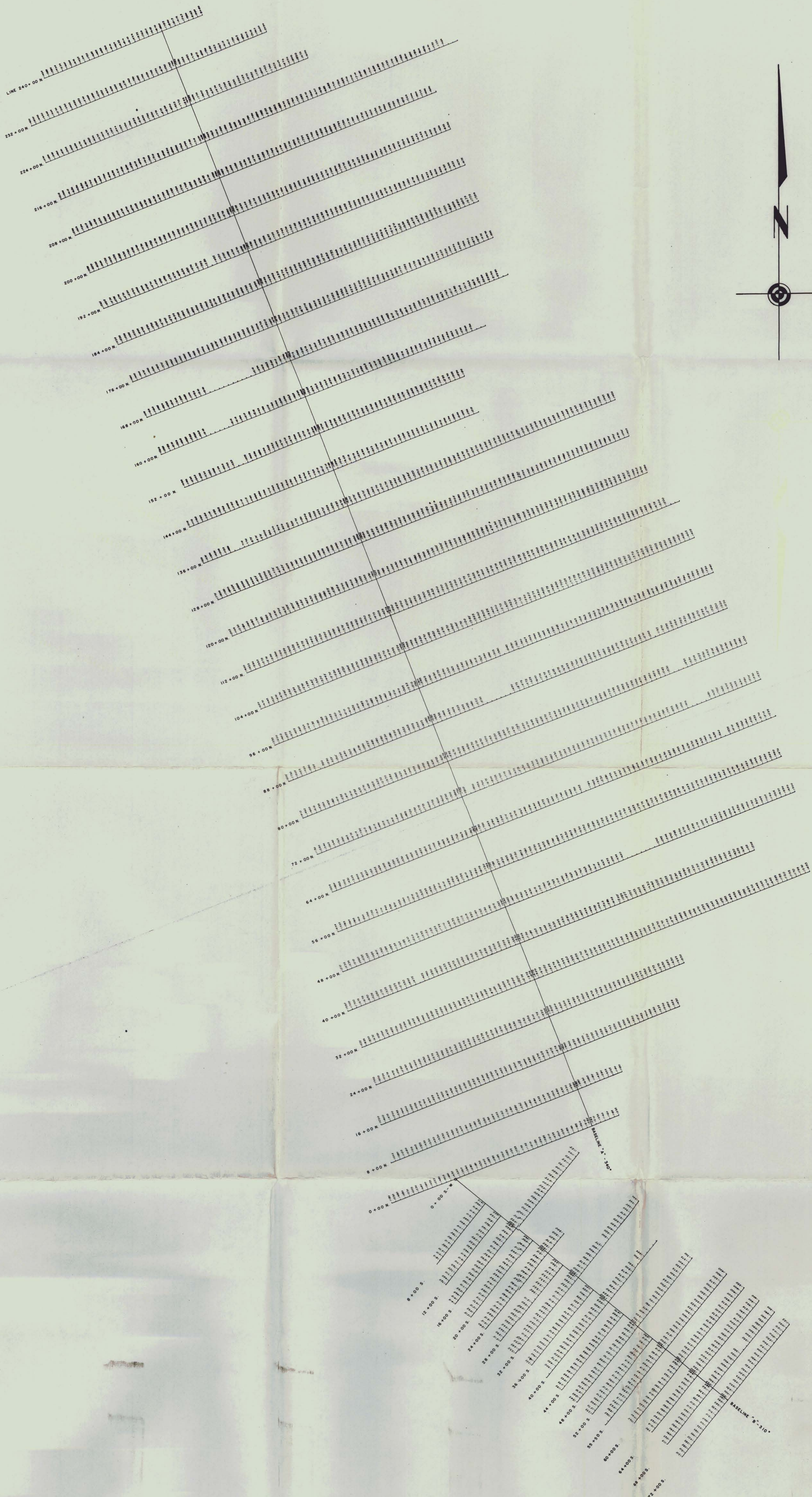
**LINE: 72 N**  
**DIPOLE - DIPOLE CONFIGURATION**  
**FREQUENCIES: 0.31 + 5.0 cps.**  
**X = 300'**  
**GEOTECHNICAL AERIAL EXPLORATION LTD.**  
**DRAWN BY: G. ANTONIK**  
**DATE: AUG 1970**



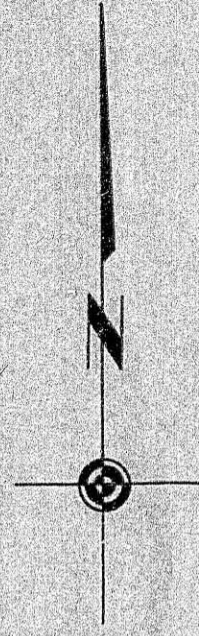
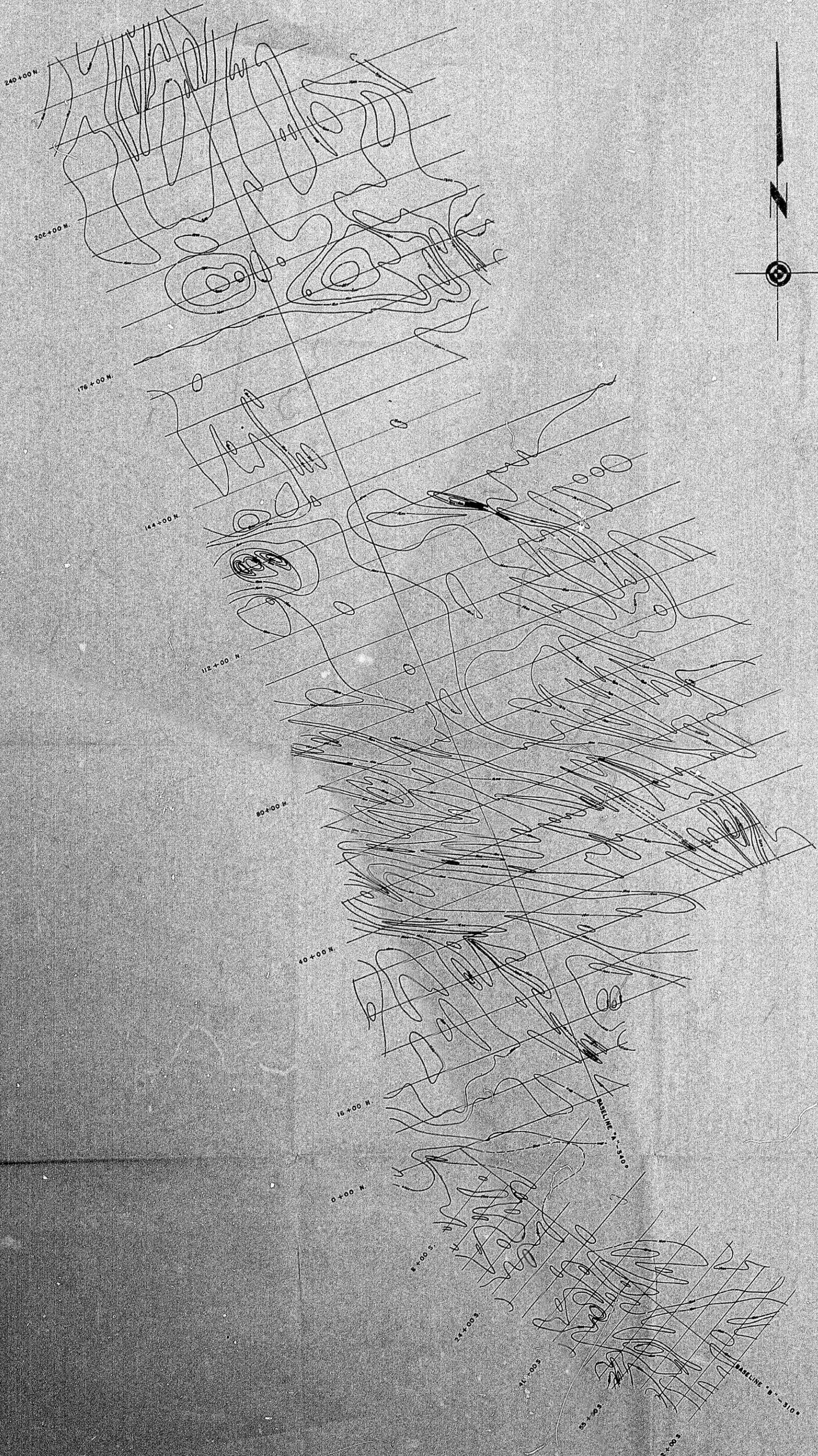


Percent Frequency Effect N=1

DRAWN: W.H.B.T	DATE: APRIL 70	CANEX AERIAL EXPLORATION LTD	GRID LAYOUT MAP
TRACED: D.A.E	SCALE: 1000	TOPAZIOS	
APPROVED:			FILE N <sup>o</sup> .



DRAWN: A.K.	DATE: JULY, 70	CANEX AERIAL EXPLORATION LTD.	Magnetometer Data Plan
TRACED:	SCALE: 1000	TOPAZIOS	
APPROVED:			FILE N°



DRAWN: J.T.	DATE: July 23 '70	CANEX AERIAL EXPLORATION LTD.	Magnetometer Contour Plan
TRACED:	SCALE: 1:1000	<b>TOPAZIOS</b>	FILE No.
APPROVED:			