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NEW YORK CITY AIR POLLUTION PROJECT
OF 1964-1969

Volume II. Data

by

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ABSTRACT

Volume II presents certain data collected during three test periods of the New York City Air Pollution Project of 1964-1969. The data include: (1) emission rates of sulfur dioxide, heat, and moisture; (2) sulfur dioxide concentrations measured from fixed stations and from automotive platforms; and (3) vertical profiles of sulfur concentrations and air temperature measured from helicopters. The remaining data, maps of airflow and sulfur dioxide concentrations on microfilm, and a magnetic tape listing of pibal observations are available from the National Technical Information Service. Volume I thoroughly describes the entire data set and is available as report number *EPA-600/4-77-035a*.

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ACKNOWLEDGMENTS

The New York City Air Pollution Project was conducted by New York University and was directed by the late Dr. Ben Davidson of the Department of Meteorology and Oceanography at New York University. Dr. Jim Halitsky directed the Project field experiments, and Dr. Conrad Simon directed the Project laboratory research. Dr. Danny Shieh and Dr. Ray Werner, along with Dr. Simon, supplied information on the source emission survey of the Project. The helicopter soundings of the Project were carried out by Betsy and Sandy Proudfit. Dr. Paul Halpern supplied additional information concerning the analysis of the helicopter soundings.

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DEDICATION

This report is dedicated to the memory of Dr. Ben Davidson of the Department of Meteorology and Oceanography at New York University. Dr. Davidson was the principal investigator of the New York City Air Pollution Project conducted by New York University.

SECTION 1

INTRODUCTION

Volume II presents some of the actual data collected during the three "primary" test periods -- March 8-12, November 15-17, and December 5-8, 1966 -- of the New York City Air Pollution Project of 1964-1969. Annual emission rates of sulfur dioxide (SO_2), heat, and moisture from the area and point sources in the New York City metropolitan area are also presented.

Volume I describes the complete data set of the project in detail. It should be read carefully before the data contained in this volume or the data set on file at the National Technical Information Service in Springfield, Virginia is used. Questions concerning the interpretation or use of any of the data should be directed to Robert D. Bornstein of the Department of Meteorology at San Jose State University.

SECTION 2

EXPLANATION OF DATA

HOURLY-AVERAGED SO₂ OBSERVATIONS

The surface SO₂ observational network included 33 fixed sites. These sites were divided into three categories according to the group maintaining the particular monitoring device. The network is described and the location of each of the sites is given in Section 6 of Volume I. The instrument originally at New York University (NYU) was moved to its final site at Prospect Park before the first test period of the project. Therefore the NYU site does not appear in the list of sites given in Table 1 of this volume.

The hourly-averaged SO₂ observations, described in Section 6 of Volume I, are listed in Appendix I of this volume in chronological order within the three groups defined in Table 1. Values are given for the 11 days constituting the three "primary" test periods defined in Volume I. The averaging period was centered on the half hour and the units for the values are in ppm. Values in the Group II data followed by an asterisk have not been corrected for carbon dioxide (CO₂) interference.

SULFUR DIOXIDE TRAVERSES

Volume I describes a series of SO₂ concentration distribution profiles that were constructed across Manhattan (along 79th Street) by using data measured by instruments on a specially equipped van. The observations were carried out to evaluate the effect of source-free Central Park on the buildup of SO₂ concentration across Manhattan. The locations of both Central Park and 79th Street are given in Section 6 of Volume I.

Unfortunately, these traverses are only extant for one of the three primary test periods, i.e., the March 1966 test. The available traverses from this period are given chronologically in Appendix II of this volume. The street name abbreviations appear in the figures defined in Section 6 of Volume I. Wind and travel directions and traverse times in EST are shown on each traverse.

HELICOPTER SOUNDINGS

Section 3 of Volume I describes the collection of SO₂ and temperature soundings through the lowest kilometer of the atmosphere by using a helicopter equipped with instruments. The soundings from the three primary test periods are given chronologically in Appendix III of this volume.

Locations for each of the sounding sites appearing in Appendix III can

be found in Section 3 of Volume I. The time of each sounding in EST is given below the name of the sounding in the appendix. The direction (upwards or downwards) of each sounding is indicated by the direction of the arrow following the sounding name. The units of the temperature soundings (marked with a "T") are in degrees centigrade ($^{\circ}\text{C}$). The units of the SO_2 soundings (marked with an "S") are in parts per million (ppm).

EMISSION INVENTORIES

As described in Section 2 of Volume I, the annual emission rates of SO_2 , heat, and moisture due to the combustion of fossil fuels in the New York City metropolitan area were computed from fuel usage data. The total annual emissions from both fixed and mobile area sources were carried out on a 1-mile by 1-mile grid and then on a 0.5-mile by 0.5-mile grid. Both grids had Battery Park, the southern tip of Manhattan Island, as their origin. Figures 1-6 of Volume II present the results of the area source computations.

Total annual SO_2 , heat, and moisture emissions from all of the point sources within the grid network are given in Table 2 of Volume II. Site numbers preceded by an asterisk have had their annual heat and moisture emissions estimated from correlations with their annual SO_2 emissions, and not from their annual fuel usage data (as described in Volume I). Maps showing the location of each of the power plant ("P"), manufacturing ("M"), commercial ("C"), and hospital ("H") sources are given in Volume I. Note that the emission values of Table 2 are not assigned to individual stacks for those sites having multiple adjacent stacks, as indicated in Table 10 of Volume I.

Suggested methods for prorating both the annual area and point source emissions into daily and hourly emission rates are given in Volume I. However, hour-by-hour emission rates of SO_2 were computed for those power plants for which hour-by-hour fuel usage data were available. Appendix IV of Volume II gives the values for the eleven days constituting the three primary test periods. The location of the sites listed in Appendix IV can be found in Volume I. The indicated times are the midpoint values of the 1-hour emission time intervals.

TABLE 1. NAMES AND IDENTIFICATION NUMBERS OF FIXED SURFACE SO₂
MONITORING STATIONS

<u>GROUP I. (NYU)</u>	
<u>No.</u>	<u>Name</u>
336	Passaic
337	Pollack
66-3	Central Park (Belvedere)
338	Prospect Park
339	JFK Airport
340	Einstein
66-2	Library

<u>GROUP II. (CONSOLIDATED EDISON)</u>	
<u>No.</u>	<u>Name</u>
1	Empire State
2	Irving Place
3	Queens Boulevard
4	Atlantic and Jamaica
5	Pitkin Avenue
6	West End Avenue
7	125th Street
8	Van Nest
9	Queens College
10	Jamaica

<u>GROUP III. (NYU)</u>	
<u>No.</u>	<u>Name</u>
1	Willowbrook
2	Battery
3	Community College
4	Green Point
5	Skillman Avenue
6	Bus Terminal
7	Arsenal
8	Astoria
9	La Guardia
10	Samuel Gompers H.S.
11	168th Street
12	NYU/TECH
13	Wyckoff
14	Boyce Thompson
15	121st Street

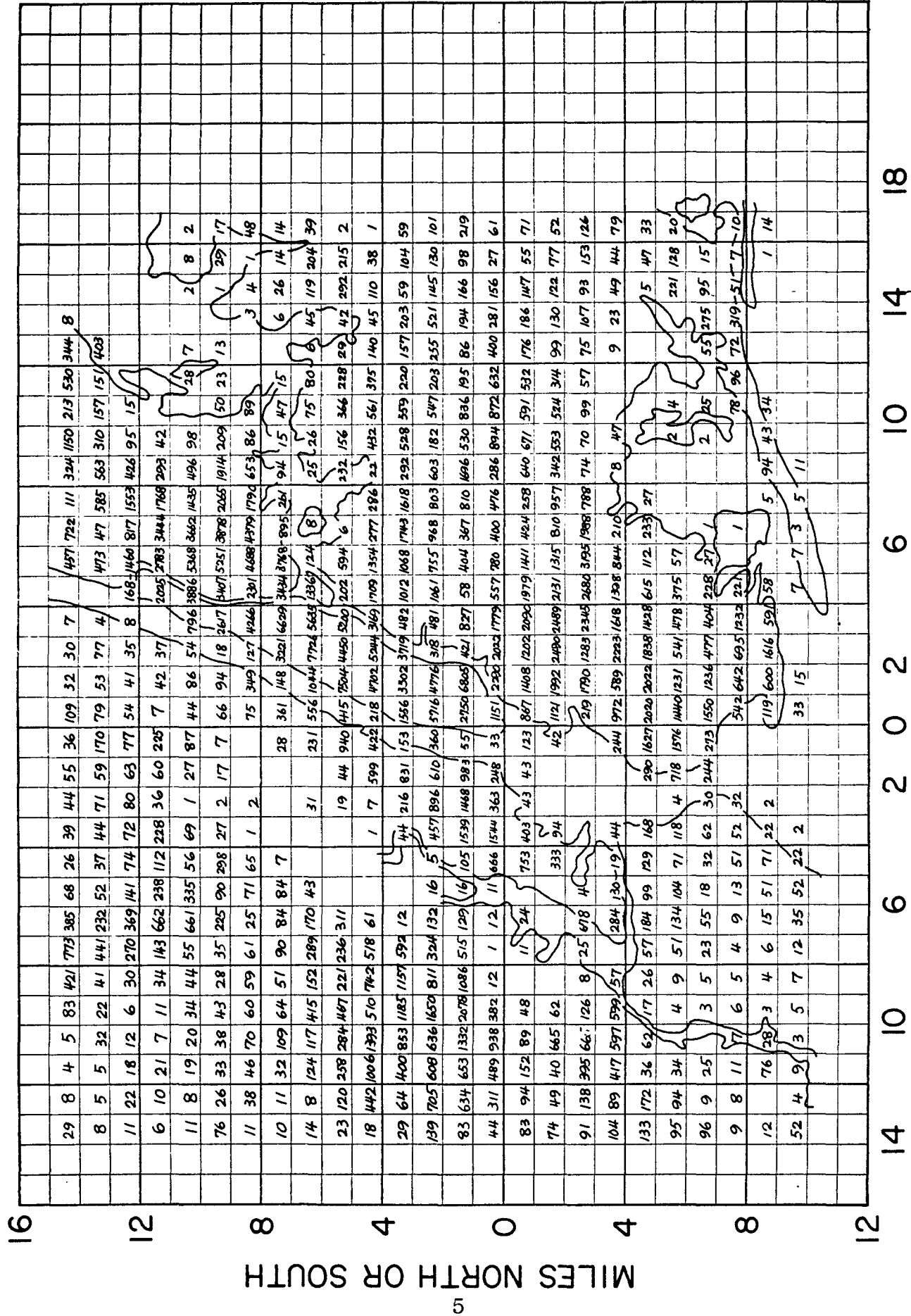


Figure 1. Emission of SO₂ in NYC area from fixed and mobile area sources on a 1-mile by 1-mile grid during 1965 in tons per year.

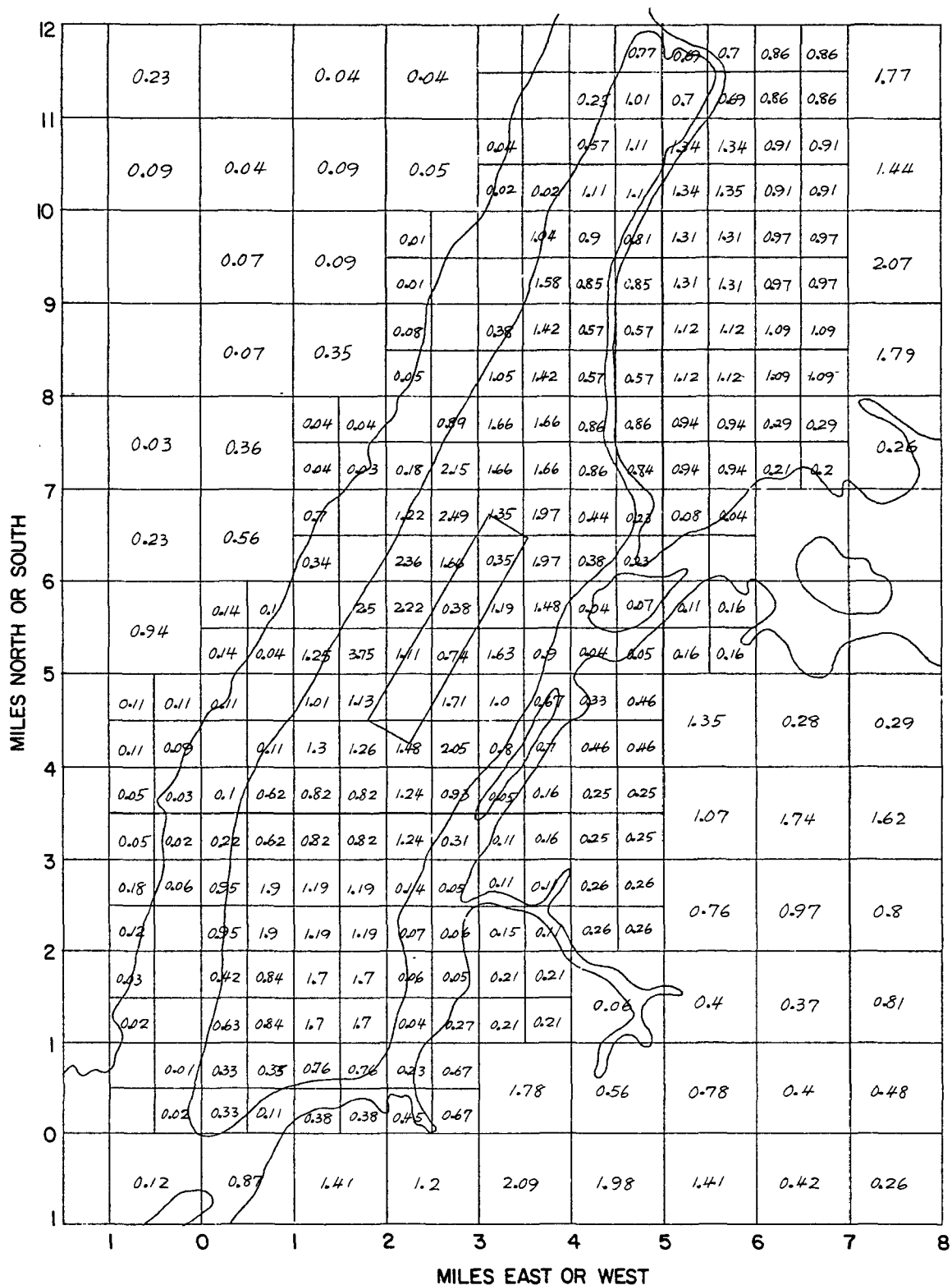


Figure 2. Emission of SO₂ in Manhattan from fixed and mobile area sources on a 0.5-mile by 0.5-mile grid during 1965 in 10³ tons per year.

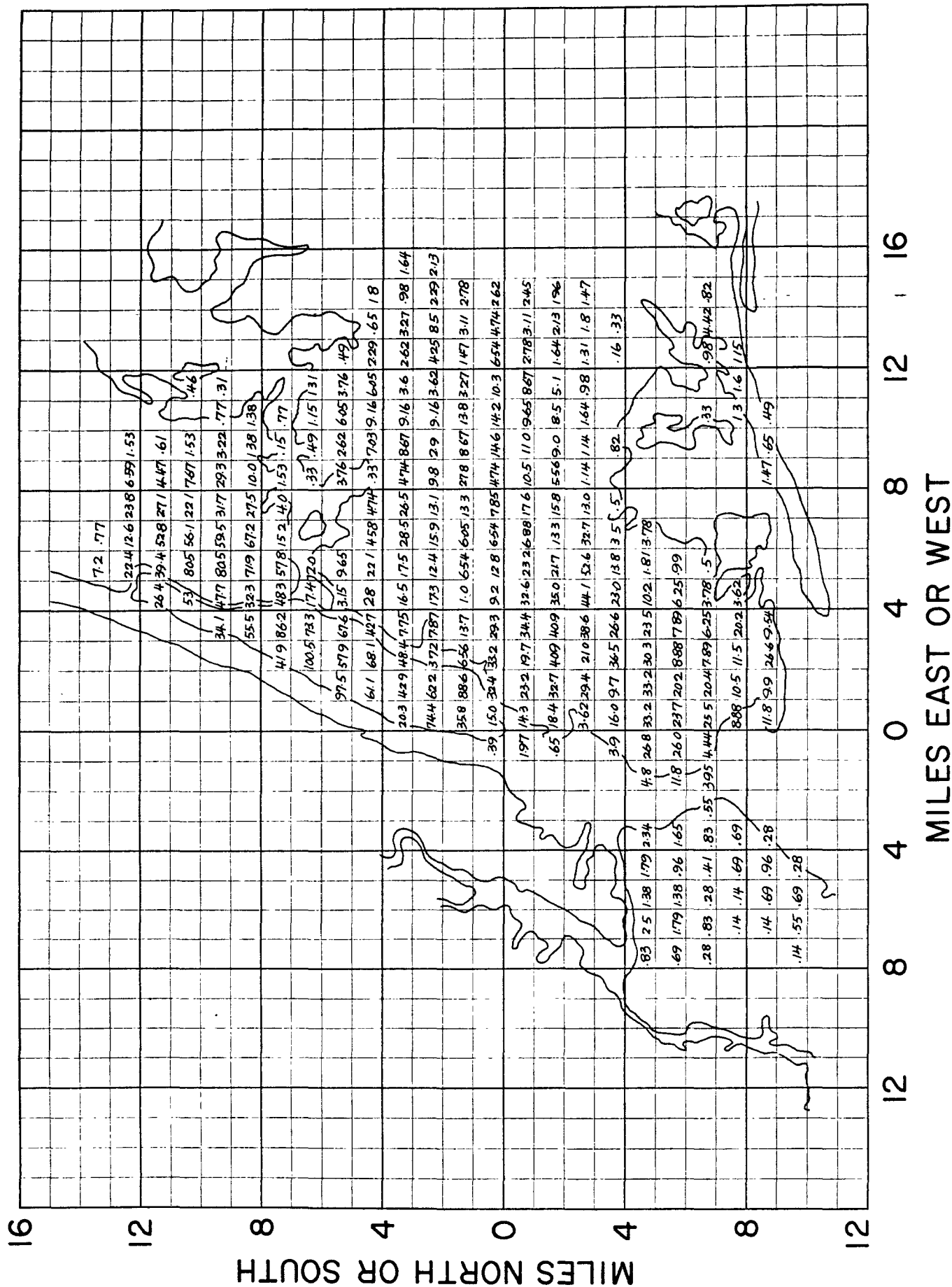


Figure 3. Anthropogenic heat production from fixed and mobile area sources on a 1-mile by 1-mile grid in NYC during 1965 in 10^{11} Btu per year.

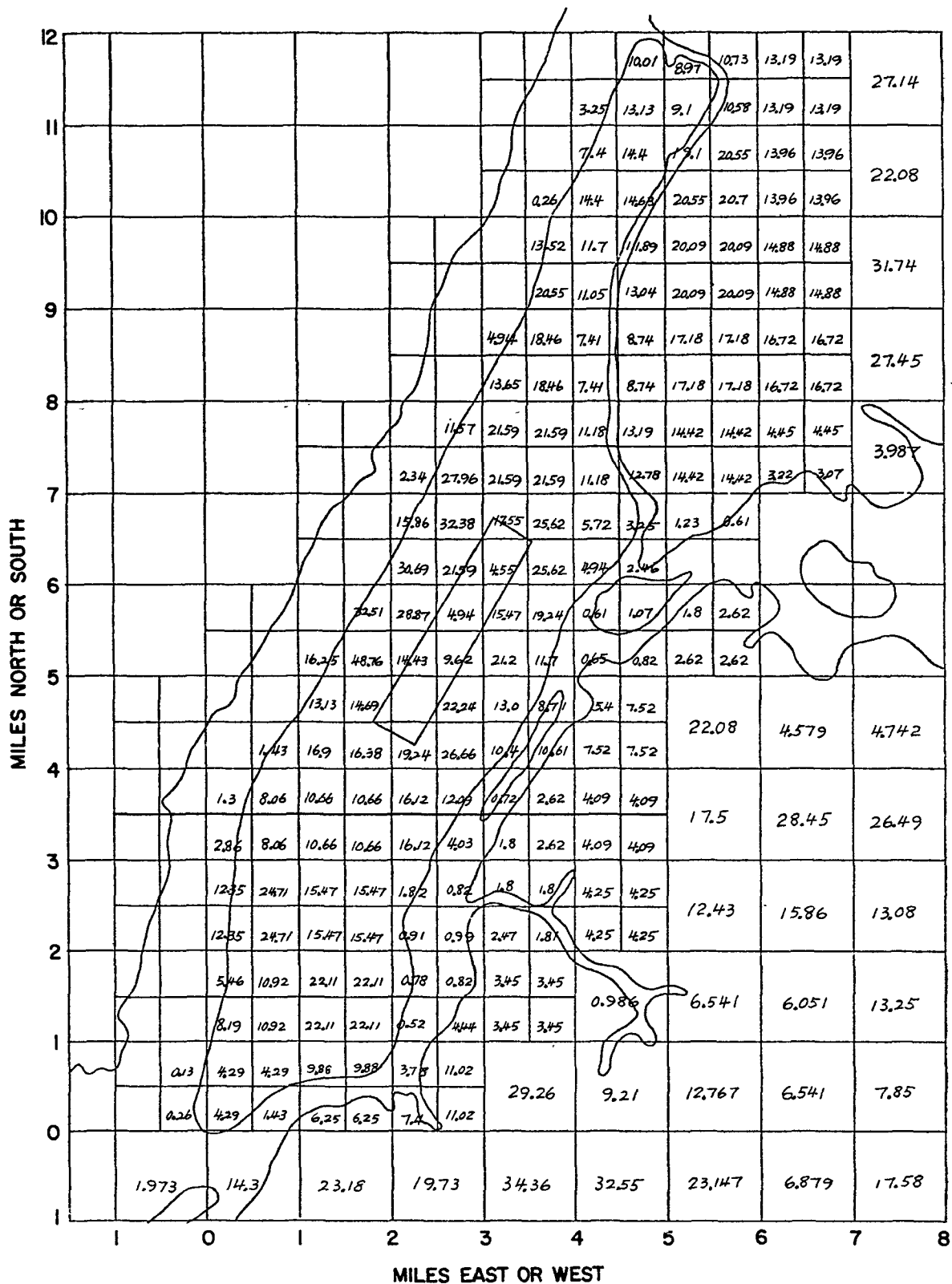


Figure 4. Anthropogenic heat production from fixed and mobile area sources on a 0.5-mile by 0.5-mile grid in Manhattan during 1965 in 10^{11} Btu per year.

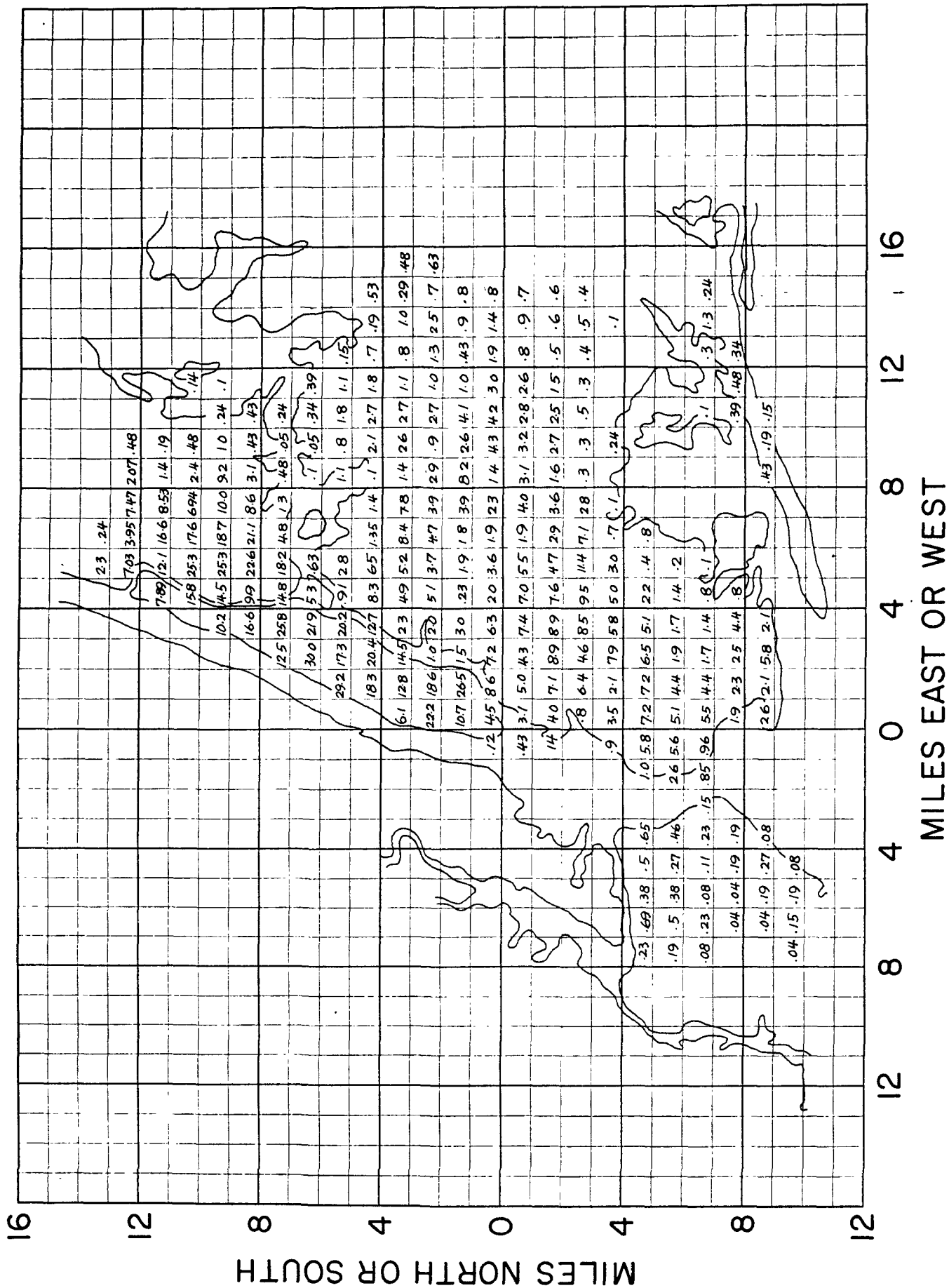


Figure 5. Anthropogenic moisture production from fixed and mobile area sources on a 1-mile by 1-mile grid in NYC during 1965 in 10^{10} grams per year.

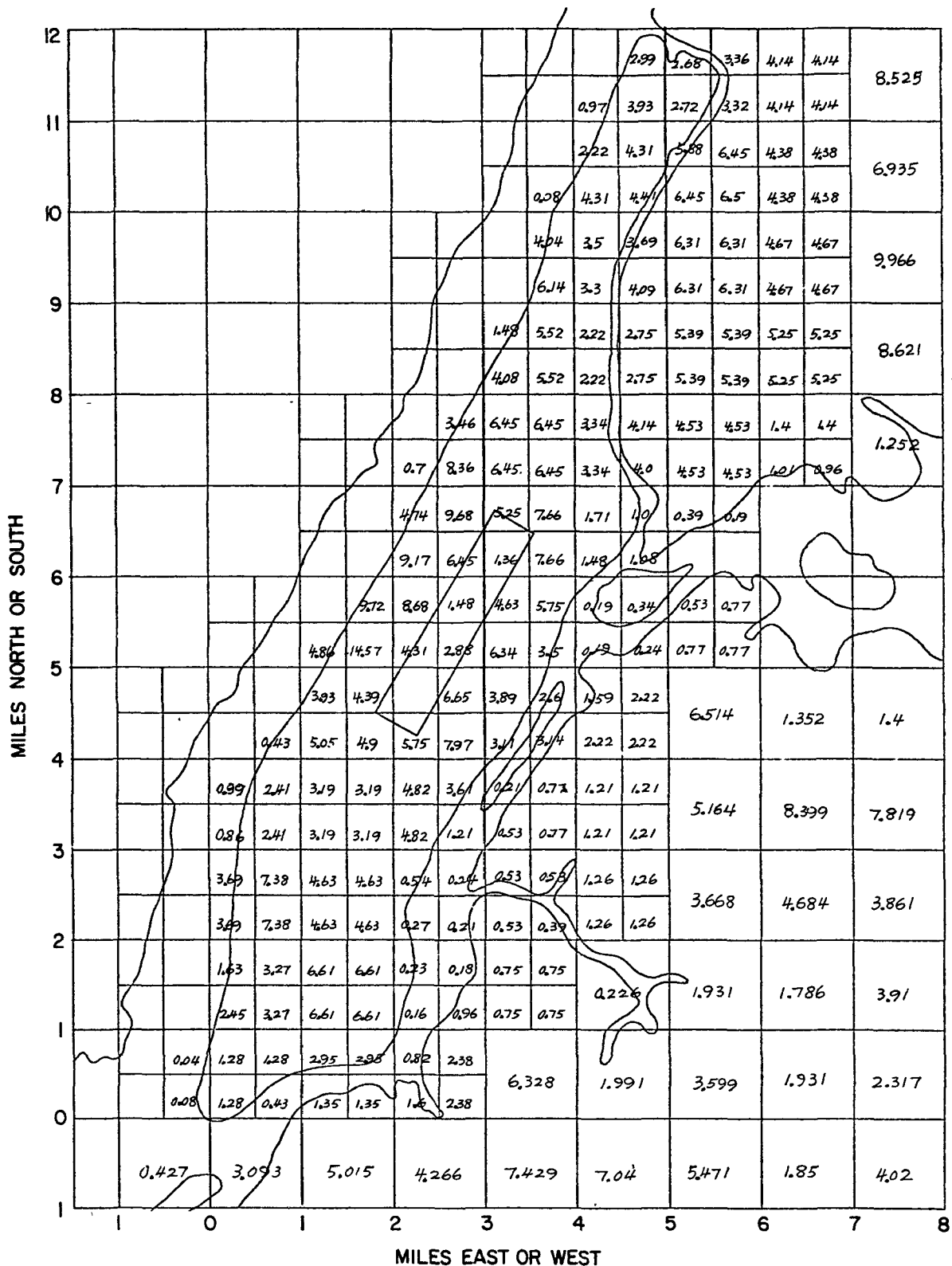


Figure 6. Anthropogenic moisture production from fixed and mobile area sources on a 0.5-mile by 0.5-mile grid in Manhattan during 1965 in 10^{10} grams per year.

TABLE 2. ANNUAL SO₂, HEAT, AND MOISTURE EMISSIONS FROM
POINT SOURCES IN THE NEW YORK CITY AREA DURING 1965

<u>SITE #</u>	<u>SO₂</u> <u>(ton/year)</u>	<u>HEAT</u> <u>(10¹² Btu/year)</u>	<u>MOISTURE</u> <u>(10¹⁰ gm/year)</u>
P- 1	54310	32.65	75.53
P- 2	14050	18.24	31.25
P- 3	13550	7.32	14.72
P- 4	30760	11.42	17.53
* P- 5	35230	28.34	72.73
* P- 6	46020	37.38	97.15
P- 7	12970	6.32	12.16
* P- 8	850	0.46	5.06
P- 9	55590	37.51	87.14
P-10	4500	5.35	10.82
P-11	43220	33.62	64.43
* P-12	5630	3.55	5.75
P-13	30690	19.45	108.03
P-14	57910	59.42	192.27
P-15	10280	8.88	13.75
P-16	44790	68.75	148.15
P-17	22550	28.15	94.80
P-18	15440	9.69	16.31
* P-19	4830	2.88	3.94
* P-20	27470	21.84	55.17
P-21	4380	2.51	6.45
P-22	9060	4.47	7.56
P-23	24530	17.06	40.66
P-24	42600	19.59	50.26
* P-25	2280	0.74	1.83
* P-26	6050	3.90	6.70
* P-27	6530	4.30	7.79

*Indicates that heat and moisture emissions were estimated from correlations with SO₂ emissions.

(continued)

TABLE 2 (continued)

<u>SITE #</u>	<u>SO₂</u> <u>(ton/year)</u>	<u>HEAT</u> <u>(10¹⁰ Btu/year)</u>	<u>MOISTURE</u> <u>(10¹⁰ gm/year)</u>
C- 1	157	33.24	0.55
C- 2	691	60.35	1.56
C- 3	604	52.50	1.35
C- 4	17	7.95	0.20
C- 5	672	67.52	1.73
C- 6	1229	138.57	3.56
C- 7	311	24.67	0.65
C- 8	530	40.50	1.04
C- 9	604	52.50	1.35
C-10	120	9.37	0.24
C-11	1556	61.80	1.59
C-12	1637	15.60	0.40
C-13	277	21.15	0.54
C-14	302	24.46	0.63
C-15	6714	514.00	13.19
C-16	150	28.50	0.73
C-17	5203	4.27	0.12
C-18	181	14.40	0.37
C-19	10150	1418.30	50.55
C-20	140	12.24	0.31
C-21	2885	225.00	5.77
C-22	3303	71.40	1.74
C-23	725	71.13	2.07
* C-24	4547	417.96	13.34
C-25	308	41.76	1.07
C-26	1003	260.70	6.69
C-27	634	3.75	0.01
* C-28	1880	158.09	4.55
C-29	864	75.00	1.92
C-30	14390	1387.04	49.49
C-31	310	5.72	0.28
C-32	4451	220.50	5.66
C-33	1472	112.50	2.89
C-34	169	15.00	0.38
C-35	1204	93.90	2.41
* C-36	1170	88.90	2.21
* C-37	1820	152.24	4.35
* C-38	250	7.74	0.83
C-39	140	12.24	0.31
C-40	950	145.00	2.19
C-41	5474	512.20	5.94
C-42	237	38.09	0.99

*Indicates that heat and moisture emissions were estimated from correlations with SO₂ emissions.

(continued)

TABLE 2 (continued)

<u>SITE #</u>	<u>SO₂</u> <u>(ton/year)</u>	<u>HEAT</u> <u>(10¹⁰ Btu/year)</u>	<u>MOISTURE</u> <u>(10¹⁰ gm/year)</u>
H- 1	180	13.84	0.36
H- 2	210	16.15	0.42
H- 3	100	7.69	0.20
H- 4	160	12.31	0.32
H- 5	120	9.23	0.24
H- 6	800	61.53	1.58
H- 7	180	13.84	0.36
H- 8	150	11.54	0.30
H- 9	140	10.76	0.28
H-10	280	21.52	0.55
H-11	110	8.46	0.22
H-12	230	17.69	0.45
H-13	160	12.31	0.32
H-14	100	7.69	0.20
H-15	120	9.23	0.24
H-16	270	20.77	0.53
H-17	110	8.46	0.22
H-18	100	7.69	0.20
H-19	130	10.00	0.26
H-20	680	52.31	1.34
H-21	110	8.46	0.22
H-22	100	7.69	0.20
H-23	190	14.62	0.38
H-24	140	10.76	0.28
H-25	200	15.38	0.40
H-26	240	18.46	0.48
H-27	940	72.31	1.86
H-28	160	12.31	0.32
H-29	190	14.62	0.38
H-30	100	7.69	0.20
H-31	530	40.77	1.05
H-32	290	22.31	0.57
H-33	910	70.00	1.80
H-34	200	15.38	0.40
H-35	240	18.46	0.48
H-36	350	26.92	0.69
H-37	190	14.62	0.38
H-38	500	38.46	1.00
H-39	160	12.31	0.32
H-40	1290	99.23	2.55
H-41	220	16.92	0.44
H-42	440	33.85	0.88
H-43	930	71.54	1.84
H-44	390	30.00	0.77
H-45	270	20.77	0.54

(continued)

TABLE 2 (continued)

<u>SITE #</u>	<u>SO₂ (ton/year)</u>	<u>HEAT (10¹⁰ Btu/year)</u>	<u>MOISTURE (10¹⁰ gm/year)</u>
H-46A	950	73.08	1.88
H-46B	150	11.54	0.30
H-47	240	18.46	0.48
H-48	290	22.31	0.58
H-49	130	10.00	0.26
H-50	310	23.85	0.61
H-51	460	35.38	0.90
H-52	220	16.92	0.44
H-53	1570	120.77	3.10
H-54	380	29.23	0.76
H-55	120	9.23	0.24
H-56	150	11.54	0.30
H-57	690	53.08	1.36
H-58	100	7.69	0.20
H-59	150	11.54	0.30
H-60	100	7.69	0.20
H-61	170	13.08	0.34
H-62	160	12.31	0.32

(continued)

TABLE 2. (continued)

<u>SITE #</u>	<u>SO₂ (ton/year)</u>	<u>HEAT (10¹⁰ Btu/year)</u>	<u>MOISTURE (10¹⁰ gm/year)</u>
M- 1	1099	105.00	2.69
M- 2	389	33.75	0.87
M- 3	788	68.40	1.76
M- 4	61	8.25	0.21
M- 5	1207	122.75	1.93
M- 6	707	67.50	1.73
M- 7	1283	217.50	3.29
M- 8	1187	135.00	3.46
M- 9	387	33.60	0.86
M-10	423	89.10	0.79
M-11	218	23.56	0.60
M-12	330	21.00	0.54
M-13	193	14.95	0.38
M-14	477	44.70	1.15
M-15	161	37.18	1.12
M-16	683	90.00	2.31
M-17	745	109.50	2.81
M-18	191	96.98	0.61
M-19	336	33.68	0.86
M-20	1191	114.00	2.93
M-21	459	75.50	1.35
M-22	405	91.80	0.82
* M-23	300	45.20	0.86
M-24	512	60.00	1.54
M-25	117	16.77	0.59
M-26	441	82.65	1.26
M-27	257	28.61	0.73
M-28	86	428.90	20.17
M-29	879	83.32	2.12
M-30	1457	126.42	2.02
M-31	319	37.80	0.34
M-32	110	21.00	0.54
M-33	157	15.00	0.39
M-34	314	45.38	1.18
M-35	1881	95.70	1.45
M-36	509	48.60	1.25
M-37	160	48.75	1.23
M-38	585	62.66	1.60
M-39	2230	120.00	3.08
M-40	765	75.00	1.93
M-41	609	33.27	0.61
M-42	1740	61.16	5.99
M-43	400	272.95	7.42
M-44	279	47.06	1.79
* M-45	230	40.81	0.70

*Indicates that heat and moisture emissions were estimated from correlations with SO₂ emissions.

(continued)

TABLE 2 (continued)

<u>SITE #</u>	<u>SO₂</u> <u>(ton/year)</u>	<u>HEAT</u> <u>(10¹⁰ Btu/year)</u>	<u>MOISTURE</u> <u>(10¹⁰ gm/year)</u>
M-46	673	52.50	1.35
M-47	846	73.50	1.89
* M-48	160	36.42	0.53
M-49	3500	472.30	5.16
M-50	21760	406.70	8.20
* M-51	200	38.93	0.63
* M-52	100	32.66	0.39
* M-53	100	32.66	0.39
* M-54	110	33.29	0.42
* M-55	200	38.93	0.63
* M-56	250	42.07	0.74
* M-57	100	32.66	0.39
* M-58	620	65.25	1.61
* M-59	100	32.66	0.39
* M-60	300	45.20	0.86
M-61	133	37.80	0.34
* M-62	270	43.32	0.79
* M-63	260	42.69	0.77
* M-64	100	32.66	0.39
* M-65	190	38.30	0.60
* M-66	530	59.61	1.40
* M-67	230	40.81	0.70
* M-68	290	44.57	0.84
* M-69	230	40.81	0.70
* M-70	100	32.66	0.39
* M-71	250	42.07	0.74
M-72	19	0.87	0.02
* M-73	100	32.66	0.39
* M-74	200	38.93	0.63
* M-75	250	42.07	0.74
* M-76	220	40.18	0.67
* M-77	100	32.66	0.39
* M-78	180	37.68	0.58
* M-79	120	33.92	0.44
* M-80	210	39.56	0.65
* M-81	100	32.66	0.39
* M-82	120	33.92	0.44
* M-83	120	33.92	0.44
* M-84	540	60.24	1.42
* M-85	200	38.93	0.63
* M-86	110	33.92	0.42
* M-87	170	37.05	0.56
* M-88	130	34.54	0.46
* M-89	120	33.92	0.44
* M-90	230	40.81	0.70

*Indicates that heat and moisture emissions were estimated from correlations with SO₂ emissions.

(continued)

TABLE 2 (continued)

<u>SITE #</u>	<u>SO₂</u> <u>(ton/year)</u>	<u>HEAT</u> <u>(10¹⁰ Btu/year)</u>	<u>MOISTURE</u> <u>(10¹⁰ gm/year)</u>
* M- 91	110	33.29	0.42
* M- 92	290	44.57	0.84
* M- 93	150	35.80	0.51
* M- 94	110	33.29	0.42
* M- 95	170	37.05	0.56
* M- 96	290	44.57	0.84
* M- 97	150	35.80	0.51
* M- 98	180	37.68	0.58
* M- 99	250	42.07	0.74
* M-100	120	33.92	0.44
* M-101	100	32.66	0.39
* M-102	140	35.17	0.49
* M-103	350	48.33	0.98
* M-104	800	76.54	2.03
* M-105	1590	126.05	3.88
* M-106	120	33.92	0.44
* M-107	610	64.63	1.59
* M-108	150	35.80	0.51
* M-109	1780	137.96	4.33
* M-110	410	52.09	1.12
* M-111	420	52.72	1.14
* M-112	310	45.83	0.89
* M-113	100	32.66	0.39
* M-114	200	38.93	0.63
* M-115	880	81.55	2.22
* M-116	780	75.28	1.99
* M-117	1450	117.28	3.56
* M-118	960	86.56	2.41
M-119	824	154.93	5.10
M-120	6470	496.42	12.73
M-121	120	9.96	0.25
M-122	321	48.93	0.74
* M-123	100	32.66	0.39
M-124	159	13.50	0.35
* M-125	110	33.29	0.42
M-126	2914	280.49	7.19
* M-127	150	35.80	0.51
M-128	144	13.74	0.35
* M-129	490	75.68	1.31
M-130	353	41.85	0.37

*Indicates that heat and moisture emissions were estimated from correlations with SO₂ emissions.

APPENDIX I

TABULATED HOURLY-AVERAGED SO₂
VALUES IN PARTS PER MILLION

March 8, 1966

GROUP I STATIONS

t(EST)	336	337	338	339	340	66-2	66-3
0030	0.05	0.07	0.03	0.10	0.03	0.03	0.22
0130	0.02	0.09	0.02		0.03		
0230	0.05	0.07	0.10	0.03	0.03	0.10	0.16
0330	0.05	0.05	0.07		0.00		
0430	0.05	0.05	0.08	0.05	0.03	0.08	0.42
0530	0.07	0.07	0.13		0.03		
0630	0.07	0.12	0.15	0.01	0.07	0.15	0.34
0730	0.06	0.03	0.19		0.05		
0830	0.06	0.07	0.17	0.03	0.03	0.17	0.26
0930	0.05	0.07	0.11		0.03		
1030	0.03	0.13	0.11	0.03	0.03	0.11	0.18
1130	0.04	0.17	0.07		0.03		
1230	0.04	0.09	0.09	0.04	0.03	0.09	
1330	0.03	0.11	0.02		0.03		
1430	0.03	0.11	0.03	0.04	0.03	0.03	0.14
1530	0.03	0.09	0.08		0.03		
1630	0.03	0.06	0.07	0.03	0.03	0.07	0.14
1730	0.05	0.09	0.08		0.03		
1830	0.05	0.09	0.10	0.03	0.05	0.10	0.22
1930	0.05	0.09	0.15		0.07		
2030	0.06	0.07	0.11	0.03	0.03	0.11	0.18
2130	0.07	0.07	0.17		0.03		
2230	0.10	0.09	0.14	0.03	0.03	0.14	0.16
2330	0.07	0.11	0.16		0.05		

March 9, 1966

GROUP I STATIONS

t (EST)	336	337	338	339	340	66-2	66-3
0030	0.10	0.11	0.15	0.04	0.05	0.15	0.12
0130	0.07	0.07	0.11		0.07		
0230	0.10	0.11	0.07	0.01	0.05	0.07	0.16
0330	0.09	0.10	0.04		0.05		
0430	0.10	0.11	0.08	0.03	0.07	0.08	0.22
0530	0.10	0.12	0.10		0.07		
0630	0.10	0.14	0.17	0.01	0.09	0.17	0.42
0730	0.10	0.18	0.27		0.13		
0830	0.06	0.26	0.23	0.04	0.13	0.23	0.50
0930	0.06	0.25	0.38		0.11		
1030	0.07	0.32	0.42	0.07	0.09	0.42	0.22
1130	0.05	0.30	0.19		0.11		
1230	0.05	0.20	0.13	0.18	0.09	0.13	0.16
1330	0.03	0.15	0.11		0.06		
1430	0.03	0.12	0.11	0.17	0.06	0.11	0.24
1530	0.03	0.14	0.07		0.06		
1630	0.03	0.20	0.05	0.08	0.03	0.05	0.18
1730	0.05	0.21	0.10		0.03		
1830	0.05	0.18	0.15	0.06	0.18	0.15	0.42
1930	0.06	0.15	0.10		0.18		
2030	0.14	0.17	0.05	0.04	0.18	0.05	0.36
2130	0.11	0.20	0.05		0.27		
2230	0.07	0.27	0.05	0.46	0.38	0.05	0.46
2330	0.10	0.12	0.16		0.34		

March 10, 1966

GROUP I STATIONS

t(EST)	336	337	338	339	340	66-2	66-3
0030	0.12	0.14	0.23	0.61	0.33	0.23	0.32
0130	0.15	0.15	0.24	0.61	0.27	0.24	
0230	0.13	0.17	0.23	0.65	0.20	0.23	0.56
0330	0.10	0.18	0.24	0.56	0.24	0.24	
0430	0.12	0.22	0.26	0.21	0.26	0.26	0.48
0530	0.11	0.30	0.27	0.61	0.36	0.27	
0630	0.20	0.19	0.27	0.56	0.51	0.27	0.88
0730	0.17	0.21	0.24	0.61	0.47	0.24	0.84
0830	0.09	0.19	0.22	0.56	0.46	0.22	0.80
0930	0.06	0.20	0.20	0.39	0.43	0.20	0.52
1030	0.06	0.14	0.19	0.20	0.35	0.19	0.48
1130	0.06	0.07	0.10	0.11	0.24	0.10	
1230	0.03	0.05	0.07	0.11	0.17	0.07	0.28
1330	0.04	0.04	0.03	0.08	0.11	0.03	
1430	0.03	0.01	0.02	0.07	0.11	0.02	0.32
1530	0.03	0.04	0.02	0.05	0.09	0.02	
1630	0.05	0.04	0.02	0.04	0.11	0.02	0.24
1730	0.05	0.07	0.03	0.04	0.11	0.03	0.24
1830	0.06	0.07	0.07	0.10	0.23	0.07	0.28
1930	0.06	0.14	0.11	0.10	0.27	0.11	0.30
2030	0.03	0.25	0.16	0.23	0.30	0.16	0.40
2130	0.06	0.20	0.22	0.65	0.29	0.22	0.00
2230	0.05	0.14	0.19	0.44	0.31	0.19	0.32
2330	0.06	0.12	0.16	0.44	0.21	0.16	

March 11, 1966

GROUP I STATIONS

t(EST)	336	337	338	339	340	66-2	66-3
0030	0.06	0.14	0.13	0.11	0.18	0.13	0.30
0130	0.06	0.14	0.13	0.11	0.20	0.13	
0230	0.06	0.18	0.17	0.29	0.20	0.17	- 0.42
0330	0.09	0.18	0.22	0.46	0.21	0.22	
0430	0.09	0.20	0.23	0.30	0.23	0.23	0.50
0530	0.12	0.19	0.27	0.30	0.34	0.27	
0630	0.14	0.31	0.35	0.16	0.39	0.35	0.74
0730	0.12	0.33	0.35	0.30	0.29	0.35	0.74
0830	0.15	0.36	0.36	0.10	0.17	0.36	0.80
0930	0.15	0.30	0.41	0.26	0.15	0.41	0.46
1030	0.09	0.21	0.30	0.11	0.09	0.30	0.40
1130	0.07	0.16	0.15	0.10	0.09	0.15	0.46
1230	0.07	0.19	0.22	0.08	0.09	0.22	0.46
1330	0.06	0.16	0.16	0.09	0.09	0.16	0.38
1430	0.04	0.20	0.20	0.08	0.09	0.20	0.28
1530	0.04	0.21	0.20	0.09	0.09	0.20	0.30
1630	0.07	0.28	0.20	0.08	0.09	0.20	0.40
1730	0.04	0.28	0.24	0.05	0.03	0.24	
1830	0.04	0.26	0.17	0.02	0.03	0.17	0.34
1930	0.06	0.32	0.13	0.00	0.00	0.13	
2030	0.06	0.31	0.13	0.00	0.03	0.13	0.28
2130	0.06	0.25	0.13	0.00	0.03	0.13	
2230	0.09	0.18	0.13	0.00	0.03	0.13	0.28
2330	0.06	0.18	0.10	0.00	0.03	0.10	

March 12, 1966

GROUP I STATIONS

t(EST)	336	337	338	339	340	66-2	66-3
0030	0.02	0.15	0.07	0.00	0.06	0.07	0.22
0130	0.07	0.20	0.07		0.03		
0230	0.07	0.15	0.07	0.00	0.03	0.07	0.28
0330	0.07	0.14	0.03		0.06		
0430	0.07	0.17	0.03	0.00	0.06	0.03	
0530	0.10	0.13	0.05		0.09		
0630	0.07	0.21	0.03	0.03	0.06	0.03	0.30
0730	0.10	0.14	0.02		0.06		
0830	0.10	0.11	0.05	0.03	0.03	0.05	0.32
0930	0.11	0.09	0.05		0.03		
1030	0.11	0.05	0.02	0.03	0.03	0.02	0.36
1130	0.08	0.05	0.02		0.03		
1230	0.09	0.09	0.02	0.05	0.03	0.02	
1330	0.10	0.21	0.02		0.03		
1430	0.09	0.12	0.01	0.04	0.03	0.01	
1530	0.09	0.12	0.01		0.03		
1630	0.09	0.11	0.01	0.03	0.03	0.01	
1730	0.07	0.15	0.02		0.06		
1830	0.07	0.19	0.02	0.01	0.06	0.02	
1930	0.10	0.19	0.03		0.03		
2030	0.10	0.19	0.03	0.01	0.03	0.03	
2130	0.07	0.19	0.03		0.03		
2230	0.09	0.09	0.03	0.01	0.03	0.03	
2330	0.09	0.11	0.01		0.09		

November 15, 1966

GROUP I STATIONS

t(EST)	336	337	338	339	340	66-2	66-3
0030	0.04	0.32	0.05	0.14	0.07	0.06	0.13
0130	0.05	0.31	0.03	0.05	0.02	0.05	0.16
0230	0.04	0.32	0.00	0.03	0.02	0.02	0.10
0330	0.04	0.32	0.00	0.03	0.02	0.06	0.13
0430	0.06	0.32	0.05	0.03	0.02	0.09	0.12
0530	0.08	0.35	0.09	0.05	0.05	0.12	0.18
0630	0.09	0.35	0.11	0.09	0.07	0.11	0.26
0730	0.08	0.38	0.09	0.10	0.07	0.12	0.26
0830	0.04	0.34	0.05	0.07	0.05	0.11	0.21
0930	0.08	0.32	0.05	0.05	0.02	0.16	0.14
1030	0.02	0.34	0.03	0.03	0.00	0.16	0.13
1130	0.05	0.34	0.03	0.03	0.02	0.12	0.17
1230	0.07	0.34	0.03	0.03	0.02	0.10	0.13
1330	0.07	0.34	0.03	0.05	0.02	0.10	0.10
1430	0.07	0.32	0.00	0.05	0.00	0.11	0.13
1530	0.07	0.31	0.03	0.02	0.00	0.17	0.18
1630	0.08	0.32	0.05	0.03	0.02	0.10	0.16
1730	0.09	0.32	0.05	0.07	0.06	0.12	0.17
1830	0.09	0.32	0.00	0.09	0.03	0.18	0.20
1930	0.09	0.34	0.08	0.05	0.02	0.28	0.16
2030	0.09	0.32	0.00	0.02	0.02	0.26	0.18
2130	0.11	0.32	0.12	0.02	0.03	0.31	0.12
2230	0.13	0.35	0.08	0.02	0.05	0.11	0.13
2330	0.08	0.34	0.05	0.03	0.02	0.06	0.06

November 16, 1966

GROUP I STATIONS

t(EST)	336	337	338	339	340	66-2	66-3
0030	0.09	0.34	0.05	0.03	0.02	0.05	0.06
0130	0.08	0.34	0.06	0.03	0.02	0.04	0.05
0230	0.08	0.31	0.06	0.03	0.02	0.05	0.06
0330	0.09	0.32	0.08	0.05	0.02	0.06	0.12
0430	0.11	0.34	0.12	0.05	0.03	0.08	0.08
0530	0.13	0.44	0.25	0.09	0.06	0.23	0.13
0630	0.15	0.51	0.47	0.10	0.12	0.28	0.22
0730	0.23	0.54	0.59	0.09	0.15	0.36	0.24
0830	0.22	0.64	0.38	0.05	0.10	0.23	0.34
0930	0.29	0.70	0.21	0.05	0.03	0.23	0.34
1030	0.30	0.36	0.25	0.03	0.05	0.09	0.24
1130	0.23	0.32	0.26	0.02	0.06	0.24	0.12
1230	0.14	0.31	0.16	0.02	0.06	0.18	0.09
1330	0.13	0.31	0.19	0.02	0.03	0.18	0.13
1430	0.13	0.31	0.21	0.02	0.03	0.04	0.12
1530	0.11	0.32	0.18	0.00	0.03	0.04	0.10
1630	0.08	0.32	0.26	0.02	0.06	0.06	0.13
1730	0.09	0.36	0.31	0.02	0.05	0.17	0.14
1830	0.11	0.38	0.28	0.02	0.12	0.26	0.17
1930	0.11	0.43	0.26	0.02	0.20	0.18	0.23
2030	0.14	0.35	0.29	0.02	0.22	0.05	0.19
2130	0.14	0.39	0.23	0.05	0.20	0.05	0.18
2230	0.13	0.38	0.28	0.02	0.18	0.04	0.32
2330	0.11	0.39	0.29	0.07	0.16	0.02	0.21

November 17, 1966

GROUP I STATIONS

t (EST)	336	337	338	339	340	66-2	66-3
0030	0.11	0.45	0.25	0.07	0.19	0.06	0.32
0130	0.06	0.50	0.32	0.09	0.27	0.09	0.32
0230	0.15	0.54	0.34	0.02	0.29	0.02	0.32
0330	0.21	0.54	0.41	0.00	0.23	0.05	0.27
0430	0.18	0.50	0.35	0.00	0.18	0.05	0.27
0530	0.14	0.49	0.54	0.00	0.20	0.10	0.33
0630	0.14	0.46	0.44	0.00	0.18	0.23	0.30
0730	0.17	0.53	0.44	0.02	0.22	0.26	0.33
0830	0.15	0.51	0.44	0.05	0.46	0.35	0.36
0930	0.13	0.49	0.38	0.14	0.49	0.38	0.30
1030	0.13	0.49	0.42	0.15	0.43	0.37	0.26
1130	0.14	0.46	0.41	0.05	0.35	0.30	0.24
1230	0.08	0.50	0.32	0.03	0.30	0.26	0.24
1330	0.08	0.54	0.34	0.03	0.38	0.11	0.26
1430	0.08	0.51	0.35	0.02	0.20	0.10	0.23
1530	0.06	0.49	0.34	0.02	0.07	0.09	0.22
1630	0.14	0.42	0.34	0.02	0.09	0.23	0.17
1730	0.19	0.47	0.32	0.02	0.16	0.31	0.23
1830	0.19	0.54	0.35	0.02	0.26	0.16	0.27
1930	0.21	0.50	0.41	0.03	0.31	0.27	0.28
2030	0.19	0.54	0.41	0.02	0.29	0.06	0.30
2130	0.20	0.54	0.35	0.03	0.33	0.10	0.31
2230	0.20	0.53	0.35	0.02	0.35	0.26	0.39
2330	0.13	0.47	0.31	0.03	0.38	0.30	0.36

December 6, 1966

GROUP I STATIONS

t(EST)	336	337	338	339	340	66-2	66-3
0030	0.09	0.13	0.19	0.10	0.13	0.38	0.18
0130	0.08	0.09	0.21	0.13	0.15	0.14	0.18
0230	0.09	0.09	0.18	0.19	0.09	0.22	0.26
0330	0.10	0.09	0.16	0.13	0.09	0.38	0.14
0430	0.08	0.09	0.16	0.06	0.09	0.11	0.13
0530	0.11	0.13	0.18	0.21	0.10	0.23	0.18
0630	0.09	0.11	0.18	0.22	0.12	0.23	0.21
0730	0.11	0.11	0.18	0.22	0.09	0.19	0.28
0830	0.14	0.19	0.14	0.21	0.12	0.38	0.24
0930	0.11	0.13	0.10	0.16	0.06	0.60	0.19
1030	0.11	0.08	0.08	0.07	0.06	0.54	0.16
1130	0.11	0.16	0.16	0.07	0.05	0.57	0.23
1230	0.09	0.17	0.14	0.04	0.06	0.81	0.24
1330	0.10	0.13	0.14	0.04	0.03	0.53	0.24
1430	0.06	0.09	0.14	0.04	0.02	0.20	0.29
1530	0.06	0.14	0.16	0.04	0.02	0.20	0.19
1630	0.08	0.17	0.18	0.02	0.02	0.21	0.17
1730	0.08	0.20	0.25	0.04	0.05	0.26	0.20
1830	0.09	0.21	0.25	0.05	0.06	0.25	0.17
1930	0.14	0.19	0.31	0.08	0.06	0.26	0.23
2030	0.15	0.13	0.34	0.08	0.07	0.26	0.20
2130	0.17	0.14	0.31	0.08	0.07	0.21	0.14
2230	0.15	0.11	0.26	0.10	0.07	0.15	0.13
2330	0.16	0.11	0.16	0.11	0.07	0.14	0.19

December 7, 1966

GROUP I STATIONS

t(EST)	336	337	338	339	340	66-2	66-3
0030	0.16	0.11	0.14	0.10	0.05	0.13	0.17
0130	0.16	0.08	0.12	0.08	0.06	0.08	0.17
0230	0.17	0.08	0.14	0.05	0.05	0.07	0.17
0330	0.15	0.08	0.12	0.05	0.05	0.08	0.14
0430	0.15	0.11	0.18	0.05	0.06	0.14	0.19
0530	0.17	0.17	0.34	0.07	0.05	0.24	0.30
0630	0.19	0.09	0.19	0.05	0.05	0.29	0.52
0730	0.23	0.09	0.61	0.02	0.05	0.14	0.24
0830	0.21	0.09	0.61	0.02	0.07	0.12	0.18
0930	0.24	0.06	0.45	0.02	0.07	0.12	0.18
1030	0.24	0.08	0.34	0.02	0.07	0.10	0.18
1130	0.27	0.08	0.36	0.00	0.06	0.08	0.19
1230	0.09	0.08	0.35	0.02	0.05	0.06	0.16
1330	0.08	0.08	0.31	0.02	0.03	0.06	0.16
1430	0.08	0.08	0.31	0.00	0.05	0.10	0.14
1530	0.09	0.06	0.26	0.05	0.03	0.11	0.14
1630	0.09	0.09	0.28	0.09	0.03	0.09	0.13
1730	0.09	0.08	0.26	0.08	0.05	0.09	0.13
1830	0.10	0.09	0.23	0.04	0.05	0.08	0.13
1930	0.14	0.06	0.42	0.00	0.05	0.13	0.29
2030	0.13	0.06	0.61	0.00	0.06	0.16	0.25
2130	0.17	0.08	0.51	0.00	0.07	0.12	0.18
2230	0.17	0.06	0.47	0.00	0.09	0.10	0.22
2330	0.15	0.08	0.38	0.02	0.07	0.06	0.17

December 8, 1966

GROUP I STATIONS

t(EST)	336	337	338	339	340	66-2	66-3
0030	0.17	0.11	0.34	0.00	0.06	0.04	0.08
0130	0.15	0.13	0.25	0.00	0.05	0.06	0.12
0230	0.09	0.16	0.26	0.00	0.03	0.06	0.22
0330	0.08	0.11	0.32	0.00	0.05	0.17	0.27
0430	0.09	0.13	0.36	0.00	0.06	0.16	0.35
0530	0.13	0.19	0.39	0.02	0.15	0.24	0.45
0630	0.14	0.15	0.42	0.02	0.27	0.40	0.47
0730	0.14	0.17	0.39	0.04	0.33	0.40	0.42
0830	0.11	0.11	0.39	0.03	0.35	0.45	0.47
0930	0.08	0.09	0.38	0.03	0.18	0.28	0.64
1030	0.06	0.08	0.28	0.14	0.12	0.31	0.27
1130	0.06	0.04	0.23	0.18	0.09	0.17	0.45
1230	0.06	0.04	0.19	0.13	0.18	0.14	0.19
1330	0.04	0.06	0.28	0.06	0.16	0.16	0.17
1430	0.06	0.14	0.21	0.03	0.18	0.23	0.26
1530	0.06	0.20	0.28	0.05	0.18	0.33	0.22
1630	0.08	0.18	0.31	0.02	0.15	0.40	0.31
1730	0.06	0.14	0.31	0.02	0.20	0.43	0.32
1830	0.06	0.17	0.31	0.05	0.22	0.31	0.39
1930	0.08	0.23	0.26	0.10	0.26	0.34	0.43
2030	0.09	0.24	0.34	0.09	0.27	0.57	0.28
2130	0.16	0.24	0.44	0.10	0.27	0.74	0.35
2230	0.24	0.20	0.54	0.06	0.26	0.59	0.39
2330	0.25	0.16	0.58	0.02	0.18	0.23	0.41

March 8, 1966

GROUP II STATIONS

t (EST)	1	2	3	4	5
0030		.30*			.12*
0130		.30*			.10*
0230		.30*			.10*
0330		.30*			.10*
0430		.40*			.10*
0530		.50*			.10*
0630		.66*			.16*
0730		.60*			.20*
0830		.50*			.20*
0930		.50*			.20*
1030		.50*			.20*
1130		.46*			.20*
1230	.34*	.34*			.20*
1330	.34*	.40*			.20*
1430	.30*	.40*			.20*
1530	.30*	.40*			.20*
1630	.34*	.40*			.16*
1730	.26*	.40*			.16*
1830	.26*	.40*			.16*
1930	.30*	.40*			.16*
2030	.26*	.40*			.16*
2130	.26*	.40*			.10*
2230	.26*	.40*			.10*
2330	.24*	.40*			.10*

March 8, 1966
(continued)
GROUP II STATIONS

t(EST)	6	7	8	9	10
0030	.04	.06*	.10*		.06*
0130	.04	.06*	.10*		.06*
0230	.04	.06*	.10*		.06*
0330	.04	.06*	.10*		.06*
0430	.04	.06*	.10*		.06*
0530	.04	.20*	.10*		.10*
0630	.10	.40*	.20*		.10*
0730	.10	.30*	.20*		.10*
0830	.10	.26*	.10*		.10*
0930	.04	.20*	.06*		.10*
1030	.10	.20*	.06*		.10*
1130	.08	.16*	.06*		.10*
1230	.08	.10*	.06*		.10*
1330	.08		.06*		.10*
1430	.08		.06*		.06*
1530	.10		.06*		.06*
1630	.14		.06*		.06*
1730	.20		.06*		.06*
1830	.20		.10*		.06*
1930	.20		.10*		.06*
2030	.10		.10*		.06*
2130	.10		.10*		.06*
2230	.10		.10*		.06*
2330	.06		.10*		.06*

March 9, 1966

GROUP II STATIONS

t(EST)	1	2	3	4	5
0030		.40*			.10*
0130	.20*	.36*			.10*
0230	.20*	.36*			.10* -
0330	.20*	.36*			.10*
0430	.30*	.40*			.10*
0530	.30*	.50*			.10*
0630	.60*	1.10*	.16*	.15*	.10*
0730	.66*	1.26*	.22*	.28*	.20*
0830	.90*	1.20*	.12*	.17*	.20*
0930	.86*	1.10*	.11*	.17*	.16*
1030	.74*	.80*	.19*	.29*	.20*
1130	.40*	.46*	.31*	.48*	.40*
1230			.19*	.57*	.34*
1330			.27*	.30*	.34*
1430			.16*		.30*
1530					.26*
1630	.34*				.20*
1730	.28*				.20*
1830	.46*				.16*
1930	.34*				.12*
2030	.46*				.20*
2130	.40*				.20*
2230					.16*
2330	.20*				.16*

March 9, 1966
(continued)
GROUP II STATIONS

t (EST)	6	7	8	9	10
0030	.06		.10*		.06*
0130	.04		.10*		.06*
0230	.10		.10*		.06* -
0330	.10		.10*		.06*
0430	.10		.10*		.10*
0530	.14		.10*		.16*
0630	.14		.26*		.16*
0730	.14		.26*		.16*
0830	.10		.16*		.16*
0930	.10		.16*		.10*
1030	.10		.20*		.10*
1130	.14		.10*		.16*
1230	.06		.10*		.26*
1330	.02		.10*		.26*
1430	.02		.10*		.30*
1530	.06		.10*		.20*
1630	.06		.10*		.16*
1730	.00		.10*		.10*
1830	.00		.26*		.10*
1930	.26		.30*		.06*
2030	.32		.30*		.06*
2130	.46		.50*		.10*
2230	.46		.70*		.10*
2330	.52		.60*		.16*

March 10, 1966

GROUP II STATIONS

t (EST)	1	2	3	4	5
0030	.34*				.20*
0130	.30*				.20*
0230	.30*				.20*
0330	.30*				.30*
0430	.34*				.30*
0530	.60*				.40*
0630	.70*		.32*	.53*	.46*
0730	.90*		.32*	.60*	.50*
0830	.90*		.38*	.54*	.40*
0930	.90*		.33*	.42*	.30*
1030	.70*		.37*	.42*	.30*
1130	.50*		.42*	.30*	.26*
1230	.40*		.28*	.09*	.20*
1330	.30*		.26*	.03*	.16*
1430	.26*		.21*		.16*
1530	.20*				.10*
1630	.26*				.10*
1730	.26*			.03*	.16*
1830	.26*				.20*
1930	.30*			.10*	.20*
2030	.40*				.26*
2130	.40*				.30*
2230	.30*				.30*
2330	.30*				.26*

March 10, 1966

(continued)

GROUP II STATIONS

t(EST)	6	7	8	9	10
0030	.46		.50*		.20*
0130	.52		.46*		.30*
0230	.46		.30*		.30* -
0330	.76		.40*		.30*
0430	.72		.50*		.34*
0530	.92		.80*		.40*
0630	1.06		1.00*		.60*
0730	.96		1.00*		.40*
0830	1.06		.80*		.46*
0930	.36		.70*		.46*
1030	.56		.60*		.50*
1130	.36		.30*		.26*
1230	.22	.26*	.16*		.20*
1330	.04	.16*	.10*		.70*
1430	.06	.16*	.10*		.10*
1530	.06	.20*	.10*		.06*
1630	.10	.26*	.10*		.06*
1730	.16	.34*	.16*		.06*
1830	.40	.40*	.34*		.10*
1930	.40	.70*	.46*		.20*
2030	.44	.86*	.46*		.20*
2130	.30	1.10*	.50*		.30*
2230	.24	.80*	.50*		.20*
2330	.30	.54*	.46*		.20*

March 11, 1966

GROUP II STATIONS

t(EST)	1	2	3	4	5
0030	.30*				.16*
0130	.30*				.16* -
0230	.34*				.20*
0330	.40*				.20*
0430	.30*				.26*
0530	.30*				.34*
0630	1.00*		.60*		.54*
0730	.80*		.74*		.66*
0830	.60*		.69*		.80*
0930	1.00*		.51*		.60*
1030	1.00*		.42*		.34*
1130	.80*		.27*	.10*	.20*
1230	.60*		.18*		.26*
1330	.60*		.33*		.26*
1430	.50*				.26*
1530	.54*				.26*
1630	.70*				.30*
1730	.54*				.26*
1830	.60*				.20*
1930	.50*				.16*
2030	.40*				.16*
2130	.30*				.16*
2230	.30*				.16*
2330	.30*				.10*

March 11, 1966
(continued)
GROUP II STATIONS

t(EST)	6	7	8	9	10
0030	.30	.50*	.46*		.16*
0130	.24	.54*	.50*		.16* -
0230	.24	.40*	.50*		.20*
0330	.44	.40*	.30*		.26*
0430	.80	.46*	.40*		.26*
0530	.44	.80*	.60*		.40*
0630	.50	.90*	.70*		.50*
0730	.50	.80*	.60*		.50*
0830	.50	.66*	.34*		.50*
0930	.70	.66*	.36*		.16*
1030	.36	.70*	.16*		.16*
1130	.40	.36*	.16*		.16*
1230	.33	.26*			.16*
1330	.36	.40*			.16*
1430		.30*			.16*
1530	.40	.30*			.20*
1630	.24	.34*			.16*
1730	.40	.30*			.16*
1830	.44	.34*			.10*
1930	.40	.30*			.10*
2030	.30	.30*			.10*
2130	.30	.30*			.06*
2230	.40	.26*			.06*
2330	.30	.20*			.06*

March 12, 1966

GROUP II STATIONS

t(EST)	1	2	3	4	5
0030	.30*				.10*
0130	.30*				.10* -
0230	.20*				.10*
0330	.20*				.10*
0430	.20*				.10*
0530	.20*				.10*
0630	.20*		.04*	.08*	.10*
0730	.16*		.03*	.08*	.10*
0830	.16*		.04*	.06*	.10*
0930	.16*		.05*	.06*	.10*
1030	.16*		.06*	.05*	.10*
1130	.16*		.07*		.10*
1230	.16*		.06*		.10*
1330	.16*				.06*
1430	.16*				.06*
1530	.16*				.06*
1630	.16*				.06*
1730	.16*				.06*
1830	.60*				.06*
1930	.30*				.06*
2030	.30*				.06*
2130	.60*				.06*
2230	.30*				.06*
2330	.30*				.06*

March 12, 1966
(continued)
GROUP II STATIONS

t(EST)	6	7	8	9	10
0030	.20	.20*			.06*
0130	.20	.16*			.06*
0230	.16	.16*			.06*
0330	.16	.16*			.06*
0430	.16	.20*			.06*
0530	.30	.26*			.06*
0630	.30	.30*			.10*
0730	.06	.20*			.06*
0830	.16	.20*			.06*
0930	.10	.20*			.06*
1030	.16	.16*			.06*
1130	.06	.20*			.06*
1230	.08	.16*			.06*
1330	.24	.10*			.06*
1430	.10	.16*	.06*		.06*
1530	.10	.10*			.06*
1630	.14	.10*			.06*
1730	.14	.16*			.06*
1830	.10	.10*			.06*
1930	.20	.10*			.06*
2030	.20	.10*			.06*
2130	.20	.10*			.06*
2230	.14	.10*			.06*
2330	.14	.10*			.06*

November 15, 1966

GROUP II STATIONS

t(EST)	1	2	3	4	5
0030		.03			.10
0130		.03			.08 -
0230		.07			.08
0330		.03			.08
0430		.04			.08
0530		.12			.13
0630		.15			.23
0730		.21			.26
0830		.17			.22
0930		.12			.18
1030		.11			.10
1130		.07			.15
1230		.08			.10
1330		.11			.10
1430		.10			.10
1530		.12			.15
1630		.08			.18
1730		.06			.18
1830		.12			.20
1930		.10			.13
2030		.12			.10
2130		.10			.04
2230		.10			.05
2330		.10			.02

November 15, 1966

(continued)

GROUP II STATIONS

t(EST)	6	7	8	9	10
0030	.04	.10	.02	.10	.11
0130	.04	.04	.00	.01	.01 -
0230	.02	.04	.00	.01	.03
0330	.02	.04	.00	.01	.03
0430	.02	.04	.02	.01	.05
0530	.02	.08	.02	.01	.11
0630	.06	.20	.12	.09	.15
0730	.06	.22	.12	.09	.13
0830	.04	.18	.04	.09	.13
0930	.06	.12	.02	.03	.07
1030	.06	.12	.00	.01	.05
1130	.06	.06	.00	.01	.07
1230	.02	.06	.00	.01	.07
1330	.00	.08	.02	.02	.05
1430	.00	.10	.02	.02	.05
1530	.02	.10	.02	.02	.05
1630	.02	.10	.04	.02	.07
1730	.02	.12	.08	.04	.11
1830	.02	.12	.08	.06	.11
1930	.04	.12	.10	.04	.11
2030	.06	.16	.04	.04	.11
2130	.04	.20	.06	.04	.07
2230	.09	.14	.04	.02	.05
2330	.07	.07	.02	.02	.03

November 16, 1966

GROUP II STATIONS

t(EST)	1	2	3	4	5
0030					
0130					
0230					
0330					
0430		- NO DATA -			
0530					
0630					
0730					
0830					
0930					
1030					
1130					
1230					
1330					
1430					
1530					
1630					
1730					
1830					
1930					
2030					
2130					
2230					
2330					

November 16, 1966

(continued)

GROUP II STATIONS

t(EST)	6	7	8	9	10
0030					
0130					
0230					
0330					
0430		- NO DATA -			
0530					
0630					
0730					
0830					
0930					
1030					
1130					
1230					
1330					
1430					
1530					
1630					
1730					
1830					
1930					
2030					
2130					
2230					
2330					

November 17, 1966

GROUP II STATIONS

t(EST)	1	2	3	4	5
0030		.34			.08
0130		.44			.08 -
0230		.44			.06
0330		.25			.05
0430		.30			.07
0530		.32			.14
0630		.36			.18
0730		.48			.24
0830		.46			.28
0930		.38			.34
1030		.32			.34
1130					
1230					.14
1330		.38			.10
1430		.26			.06
1530		.22			.04
1630		.25			.08
1730		.25			.18
1830		.36			.18
1930		.35			.24
2030		.24			.18
2130		.38			.12
2230		.38			.20
2330		.40			.16

November 17, 1966

(continued)

GROUP II STATIONS

t(EST)	6	7	8	9	10
0030	.34	.50	.40	.18	.30
0130	.40	.52	.50	.20	.20 -
0230	.40	.46	.52	.24	.20
0330	.38	.42	.50	.20	.22
0430	.42	.40	.58	.18	.22
0530	.48	.54	.42	.26	.22
0630	.44	.54	.80	.26	.26
0730	.50	.52	.60	.30	.28
0830	.50	.65	.76	.34	.36
0930	.55	.60	.80	.36	.50
1030	.40	.50	.80	.34	.42
1130					
1230	.40	.60	.58	.32	.25
1330	.40	.44	.68	.20	.24
1430	.40	.44	.40	.18	.24
1530	.36	.44	.26	.20	.24
1630	.30	.40	.30	.20	.22
1730	.34	.40	.40	.24	.24
1830	.46	.56	.60	.32	.24
1930	.44	.50	.56	.35	.24
2030	.40	.54	.54	.30	.36
2130	.42	.66	.60	.30	.24
2230	.46	.54	.68	.32	.24
2330	.56	.54	.60	.20	.25

December 6, 1966

GROUP II STATIONS

t(EST)	1	2	3	4	5
0030					
0130					
0230					
0330					
0430					
0530					
0630		.23			.29
0730		.28			.43
0830		.36			.39
0930		.56			.41
1030		.48			.27
1130					.27
1230					.22
1330					
1430					.08
1530					.12
1630					.12
1730					.10
1830					.16
1930					.12
2030					.12
2130					.10
2230					
2330					.08

December 6, 1966
(continued)
GROUP II STATIONS

t(EST)	6	7	8	9	10
0030					
0130					
0230					
0330					
0430					
0530					
0630	.06	.26	.20	.18	.25
0730	.09	.24	.16	.22	.24
0830	.10	.20	.16	.24	.22
0930	.10	.14	.16	.18	.20
1030	.08	.19	.10	.10	.10
1130	.04	.28	.12	.22	.08
1230	.05	.17	.14	.09	.08
1330					
1430	.05	.26	.06	.05	.05
1530	.19	.14	.06	.05	.05
1630	.16	.15	.06	.17	.05
1730	.21	.16	.06	.15	.10
1830	.23	.14	.06	.17	.08
1930	.25	.14	.08	.23	.12
2030	.19	.20	.08	.13	.08
2130	.15	.12	.10	.17	.08
2230					
2330	.21	.06	.14	.13	.10

December 7, 1966

GROUP II STATIONS

t(EST)	1	2	3	4	5
0030					
0130					.08 -
0230					
0330					.08
0430					
0530					.17
0630					.20
0730					.12
0830					.08
0930					.12
1030					.10
1130					.06
1230		.09			.06
1330					
1430		.23			.06
1530		.23			.06
1630		.19			.06
1730		.19			.08
1830		.28			.08
1930		.23			.06
2030		.15			.10
2130		.13			.10
2230					
2330		.29			.08

December 7, 1966
(continued)
GROUP II STATIONS

t(EST)	6	7	8	9	10
0030					
0130	.15	.08	.06	.11	.06
0230					
0330	.11	.12	.08	.09	.04
0430					
0530	.28	.18	.09	.19	.08
0630	.35	.24	.12	.11	.14
0730	.25	.35	.16	.25	.10
0830	.25	.18	.24	.15	.04
0930	.25	.13	.22	.13	.04
1030	.25	.20	.22	.11	.02
1130	.20	.16	.09	.05	.02
1230	.20	.12	.06	.08	.02
1330					
1430	.21	.08	.06	.04	.02
1530	.27	.18	.06	.09	.04
1630	.27	.10	.06	.08	.04
1730	.17	.10	.06	.10	.02
1830	.20	.12	.06	.08	.00
1930	.20	.16	.06	.08	.02
2030	.15	.33	.08	.06	.02
2130	.09	.40	.14	.10	.02
2230					
2330	.05	.27	.14	.04	.04

December 8, 1966

GROUP II STATIONS

t(EST)	1	2	3	4	5
0030					
0130		.05			.04 -
0230					
0330		.13			.06
0430					
0530		.31			.32
0630		.29			.36
0730		.39			.42
0830		.35			.40
0930		.35			.40
1030		.33			.36
1130		.19			.16
1230		.10			.18
1330					
1430		.09			.13
1530		.31			.16
1630		.31			.16
1730		.43			.14
1830		.35			.18
1930		.25			.24
2030		.30			.16
2130		.35			.18
2230					
2330		.29			.06

December 8, 1966
(continued)
GROUP II STATIONS

t(EST)	6	7	8	9	10
0030					
0130	.05	.12	.10	.04	.02
0230					
0330	.19	.20	.10	.04	.02
0430					
0530	.37	.44	.16	.14	.02
0630	.37	.54	.34	.24	.06
0730	.41	.69	.56	.34	.08
0830	.33	.54	.60	.34	.16
0930	.39	.25	.54	.39	.20
1030	.19	.24	.28	.24	.15
1130	.21	.22	.18	.26	.12
1230	.11	.18	.18	.18	.12
1330					
1430	.26	.22	.26	.20	.10
1530	.16	.18	.28	.16	.16
1630	.22	.26	.28	.16	.14
1730	.24	.28	.26	.20	.12
1830	.16	.18	.44	.26	.12
1930	.20	.28	.40	.30	.14
2030	.16	.45	.46	.34	.12
2130	.20	.42	.55	.50	.16
2230					
2330	.26	.54	.48	.14	.10

March 8, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030	.09	.10	.11		.16
0130					
0230	.08	.06	.14		.12 -
0330					
0430	.08	.08	.15	.08	
0530					
0630	.09	.10	.29	.24	.22
0730					
0830	.08	.10	.24	.27	.20
0930					
1030	.07	.08	.17	.31	.20
1130					
1230	.07		.12	.18	.16
1330					
1430	.08	.12	.10	.27	.18
1530	.08	.12	.15		
1630	.07	.12	.17	.25	.18
1730	.07	.16	.27		.20
1830	.10	.18	.26	.31	.18
1930					
2030	.12	.10	.19	.24	.22
2130					
2230	.11		.20	.21	
2330					

March 8, 1966
(continued)
GROUP III STATIONS

t(EST)	6	7	8	9	10
0030			.03	.00	.08
0130					
0230		.14	.04	.00	.12 -
0330					
0430		.42	.08	.00	.22
0530					
0630		.24	.03	.01	.36
0730					
0830		.20	.09	.01	.28
0930					
1030		.20	.09	.02	.24
1130					
1230		.16	.07	.03	.24
1330					
1430		.18	.07	.03	.20
1530		.18			.18
1630		.18	.09	.02	.18
1730		.24			.24
1830		.26	.16	.02	.26
1930					
2030		.20	.13	.02	.28
2130					
2230		.18	.10	.02	.22
2330					

March 8, 1966
(continued)
GROUP III STATIONS

t(EST)	11	12	13	14	15
0030		.05			.01
0130					
0230		.06	.06		.01
0330					
0430		.10	.08		.02
0530					
0630		.14	.15		.16
0730					
0830		.00	.17		.10
0930					
1030		.10	.10		.06
1130					
1230		.06	.20		.06
1330					
1430		.06	.11		.06
1530		.14			.05
1630		.10	.09		.07
1730		.14			.07
1830		.09	.12		.14
1930					
2030		.10	.16		.12
2130					
2230		.00	.05		.10
2330					

March 9, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030	.09	.12	.16	.11	.24
0130					
0230	.13	.14	.23	.10	.18
0330					
0430	.15		.63	.07	.16
0530					
0630	.14	.18	.52	.21	.34
0730	.14	.22	.50		.42
0830	.24	.22	.47	.19	.44
0930	.29	.26	.30		.42
1030	.31	.26	.23	.24	.52
1130	.18	.22	.20		.34
1230	.12	.20	.19	.17	.26
1330					
1430	.09	.24	.16	.13	.20
1530					
1630	.11	.16	.24	.17	.22
1730	.10	.14	.21		.20
1830	.09	.18	.21	.19	.34
1930	.09	.16	.22		.32
2030	.10	.16	.16	.14	.34
2130					
2230	.11	.20	.26	.20	.36
2330					

March 9, 1966

(continued)

GROUP III STATIONS

t(EST)	6	7	8	9	10
0030		.20	.07	.01	.12
0130					
0230		.16	.07	.00	.10 -
0330					
0430		.34	.11	.01	.12
0530					
0630	.14	.48	.25	.02	.42
0730		.48			.32
0830	.01	.40	.12	.01	.40
0930					.40
1030	.13		.25	.03	.32
1130		.28			.18
1230	.07	.30	.16	.07	.10
1330					
1430	.03	.38	.17	.06	.14
1530					
1630	.06	.26	.08	.03	.14
1730		.22			.24
1830	.06	.32	.23	.12	.22
1930		.38			.26
2030	.12	.34	.29	.12	.36
2130					
2230	.15	.32	.29	.13	.58
2330					

March 9, 1966
(continued)
GROUP III STATIONS

t(EST)	11	12	13	14	15
0030		.10	.08		.05
0130					
0230		.08	.06		.05
0330					
0430		.10	.08		.10
0530					
0630		.28	.07		.32
0730		.24			.34
0830		.26	.10		.36
0930		.18			.34
1030		.12	.08		.16
1130		.10			.10
1230		.08	.04		.07
1330					
1430		.10	.19		.06
1530					
1630		.08	.12		.06
1730		.08			.10
1830		.28	.03		.18
1930		.72			.21
2030		.54	.10		.46
2130					
2230		.50	.14		.46
2330					

March 10, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030	.19	.32	.33	.21	.28
0130					
0230	.20	.30	.41	.26	.28
0330					
0430	.19	.20	.45	.21	.38
0530					
0630	.23		.49	.27	.44
0730	.26		.45		.52
0830	.19	.38	.21	.19	.52
0930	.11	.28	.40		.54
1030	.12	.20	.21	.12	.50
1130					
1230	.10	.16	.14	.13	.28
1330					
1430	.09	.10	.13	.18	.14
1530					
1630	.10	.10	.13	.29	.16
1730	.08	.12	.10		.14
1830	.17	.14	.13		.14
1930	.12	.20	.24		.22
2030	.18	.28	.27	.13	.26
2130					
2230	.21	.32	.32	.08	.28
2330					

March 10, 1966
(continued)
GROUP III STATIONS

t(EST)	6	7	8	9	10
0030	.11	.24	.20	.20	.42
0130					
0230	.08	.36	.21	.13	.28
0330					
0430	.13	.24	.28	.15	.34
0530					
0630	.31	.40	.34	.06	.76
0730		.44			.54
0830	.28	.50	.35	.18	.42
0930		.40			.44
1030	.21	.44	.23	.25	.28
1130					
1230	.14	.28	.19	.14	.16
1330					
1430	.07	.18	.14	.08	.16
1530					
1630	.08	.20	.14	.09	.22
1730		.26			.32
1830	.10	.22	.18	.13	.32
1930		.26			.54
2030	.15	.30	.30	.17	.56
2130					
2230	.08	.22	.21	.11	.42
2330					

March 10, 1966
(continued)
GROUP III STATIONS

t(EST)	11	12	13	14	15
0030		.32	.16		.38
0130					
0230		.26	.26		.16 -
0330					
0430		.32	.28		.24
0530					
0630			.36		.53
0730		.48			.45
0830		.60	.40		.38
0930		.34			.35
1030		.30	.36		.25
1130					
1230		.18	.21		.10
1330					
1430		.12	.18		.08
1530					
1630		.10	.07		.10
1730		.16			.16
1830		.28	.18		.26
1930		.28			.34
2030		.32	.23		.44
2130					
2230		.18	.23		.42
2330					

March 11, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030	.20	.24	.28	.01	.20
0130					
0230	.23	.28	.19	.11	.20
0330					
0430	.15		.39	.08	.32
0530					
0630	.21		.41	.08	.62
0730	.40	.32	.48		.62
0830	.22	.42	.45	.05	.54
0930	.23	.50	.29		.32
1030	.20	.64	.28	.00	.26
1130	.23	.50	.29		.28
1230	.26	.42	.26	.04	.26
1330	.18	.44	.28		.24
1430	.16	.38	.28	.18	.36
1530	.12	.28	.35		.34
1630	.16	.34	.29	.32	.30
1730					
1830	.17	.38	.16	.10	.18
1930					
2030	.11	.32	.18	.09	.24
2130					
2230	.09	.32	.11	.05	.22
2330					

March 11, 1966
(continued)
GROUP III STATIONS

t(EST)	6	7	8	9	10
0030	.08	.42	.10	.10	.40
0130					
0230	.10	.24	.28	.01	.26 -
0330					
0430	.14	.54	.17	.12	.38
0530					
0630	.07	.60	.24	.16	.52
0730		.54			.54
0830	.08	.60	.23	.08	.32
0930					.30
1030	.14	.38	.13	.03	.16
1130		.26			.20
1230	.11	.24	.06	.03	
1330		.28			
1430	.10	.36	.10	.08	
1530		.34			
1630	.08	.22	.07	.03	
1730					
1830	.10	.20	.07	.02	
1930					
2030	.08	.20	.06	.02	
2130					
2230	.04	.20	.05	.01	
2330					

March 11, 1966
 (continued)
 GROUP III STATIONS

t(EST)	11	12	13	14	15
0030		.20	.21		.31
0130					
0230		.24	.20		.10 -
0330					
0430		.26	.22		.20
0530					
0630		.34	.36		.46
0730		.64			.46
0830		.34	.32		.47
0930		.54			.19
1030		.30	.01		.23
1130		.20			.19
1230		.24	.11		.11
1330		.30			.18
1430		.26	.10		.21
1530		.24			.12
1630		.38	.14		.08
1730					
1830		.38	.13		.18
1930					
2030		.24	.01		.16
2130					
2230		.20	.11		.06
2330					

March 12, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030	.08	.32	.11	.12	.22
0130					
0230	.09	.22	.08	.00	.18
0330					
0430	.08		.11	.11	.20
0530					
0630	.08		.13	.08	.20
0730					
0830	.07	.18	.09	.30	.20
0930					
1030		.14		.30	.18
1130					
1230		.16		.18	
1330					
1430				.17	
1530					
1630				.13	
1730					
1830				.11	
1930					
2030				.12	
2130					
2230				.11	
2330					

March 12, 1966
 (continued)
 GROUP III STATIONS

t(EST)	6	7	8	9	10
0030	.07	.18	.04	.01	
0130					
0230	.06	.20	.05	.01	-
0330					
0430	.05	.20	.05	.01	
0530					
0630	.03	.18	.14	.01	
0730					
0830	.04	.14	.13	.01	
0930					
1030	.03		.14	.01	
1130					
1230	.04		.10	.01	
1330					
1430	.03		.01	.01	
1530					
1630	.03		.06	.01	
1730					
1830	.02		.07	.02	
1930					
2030	.03		.03	.03	
2130					
2230			.02	.02	
2330					

March 12, 1966
(continued)
GROUP III STATIONS

t(EST)	11	12	13	14	15
0030		.06	.05		.05
0130					
0230		.08	.09		.06 -
0330					
0430		.16	.09		.07
0530					
0630		.28	.17		.11
0730					
0830		.30	.16		.11
0930					
1030		.14	.15		.12
1130					
1230		.12	.12		.07
1330					
1430			.13		.09
1530					
1630			.11		.06
1730					
1830			.10		.07
1930					
2030			.09		.06
2130					
2230			.08		.02
2330					

November 15, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030	.14	.08	.09		
0130	.14	.07	.08		
0230	.14	.05	.08		
0330	.12	.06	.10		
0430	.08	.06	.12		
0530	.07	.07	.13		
0630	.08	.06	.15		
0730	.10	.07	.14		
0830	.13	.05	.11		
0930	.07	.06	.12		
1030	.08	.06	.12		
1130	.10	.06	.10		
1230	.08	.05	.11		.15
1330	.08	.05	.10		.13
1430	.06	.06	.11		.49
1530		.06	.11		.15
1630		.05	.10		.16
1730		.04	.10		.19
1830		.05	.14		.15
1930		.04	.15		.14
2030		.19	.16		.19
2130		.12	.17		.20
2230		.14	.14		.26
2330		.21	.17		.18

November 15, 1966

(continued)

GROUP III STATIONS

t(EST)	6	7	8	9	10
0030		.12			.08
0130		.08			.07
0230		.09			.05
0330		.10			.06
0430		.11			.10
0530		.13			.13
0630		.17			.15
0730		.23			.15
0830		.14			.16
0930		.18			.13
1030					.12
1130		.10			.10
1230		.12			.10
1330		.13			.10
1430		.11			.10
1530		.13			.12
1630		.11			.11
1730		.17			.11
1830		.15			.17
1930		.14			.17
2030		.15			.16
2130		.21			.15
2230		.18			.11
2330		.13			.09

November 15, 1966

(continued)

GROUP III STATIONS

t(EST)	11	12	13	14	15
0030					.10
0130					.06
0230					.03
0330					.04
0430					.11
0530					.11
0630					.12
0730					.25
0830					.14
0930					.12
1030					.13
1130					.11
1230					.10
1330					.12
1430					.12
1530					.12
1630					.17
1730					.16
1830					.13
1930					.18
2030					.20
2130					.18
2230					.12
2330					.08

November 16, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030					
0130					
0230					
0330					
0430		-NO DATA-			
0530					
0630					
0730					
0830					
0930					
1030					
1130					
1230					
1330					
1430					
1530					
1630					
1730					
1830					
1930					
2030					
2130					
2230					
2330					

November 16, 1966

(continued)

GROUP III STATIONS

t(EST)	6	7	8	9	10
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0030

November 16, 1966

(continued)

GROUP III STATIONS

t(EST)	11	12	13	14	15
0030					
0130					
0230					
0330					
0430		-NO DATA-			
0530					
0630					
0730					
0830					
0930					
1030					
1130					
1230					
1330					
1430					
1530					
1630					
1730					
1830					
1930					
2030					
2130					
2230					
2330					

November 17, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030	.07	.15	.17		
0130	.09	.28			
0230	.10	.24			
0330	.10	.15			
0430	.07	.14			
0530	.07	.09			
0630	.07	.09			
0730	.14	.16			
0830	.22	.21			
0930	.21	.22			
1030	.32	.21			
1130					
1230	.24	.31			.40
1330	.19	.23			.32
1430	.15	.13			.27
1530	.10	.11			.20
1630	.09	.06			.20
1730	.08	.07			.20
1830	.10	.15			.25
1930	.10	.26			.30
2030	.10	.30			.35
2130	.11	.27			.29
2230	.18	.25			.28
2330	.19	.27			.25

November 17, 1966

(continued)

GROUP III STATIONS

t(EST)	6	7	8	9	10
0030		.23			.21
0130		.27			.29
0230		.27			.26
0330		.23			.30
0430		.27			.27
0530		.27			.30
0630		.35			.33
0730		.37			.36
0830		.32			.48
0930		.32			.41
1030					.36
1130					
1230		.33			.23
1330		.31			.34
1430		.31			.24
1530		.25			.12
1630		.22			.18
1730		.20			.21
1830		.19			.27
1930		.30			.21
2030		.30			.21
2130		.30			.29
2230		.29			.25
2330		.27			.32

November 17, 1966

(continued)

GROUP III STATIONS

t(EST)	11	12	13	14	15
0030					.30
0130					.39
0230					.31
0330					.32
0430					.35
0530					.45
0630					.45
0730					.51
0830					.53
0930					.53
1030					.42
1130					
1230					.29
1330					.32
1430					.28
1530					.26
1630					.28
1730					.30
1830					.40
1930					.30
2030					.30
2130					.42
2230					.36
2330					.40

December 6, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030					
0130					
0230					
0330					
0430					
0530					
0630		.14			
0730		.14			
0830		.09			
0930	.12	.13			
1030		.11			
1130	.14	.25			.08
1230	.30	.19			.10
1330					
1430	.31	.06			.04
1530	.28	.17			.05
1630	.28	.16			.04
1730	.24	.16			.04
1830	.21	.14			.08
1930	.14	.10			.09
2030	.15	.12			.03
2130	.14	.11			.07
2230					
2330	.10	.15			.05

December 6, 1966

(continued)

GROUP III STATIONS

t(EST)	6	7	8	9	10
0030					
0130					
0230					
0330					
0430					
0530					
0630		.40			.14
0730					.17
0830					.25
0930					.31
1030					.27
1130					.24
1230					.28
1330					
1430					.09
1530					.13
1630					.22
1730					.24
1830					.25
1930					.17
2030					.18
2130					.10
2230					
2330					.06

December 6, 1966

(continued)

GROUP III STATIONS

t(EST)	11	12	13	14	15
0030					
0130					
0230					
0330					
0430					
0530					
0630		.22			.34
0730		.23			.25
0830		.23			.23
0930		.19			.18
1030					.19
1130		.12			.24
1230		.20			.37
1330					
1430		.21			.24
1530		.23			.09
1630		.21			.22
1730		.38			.24
1830		.33			.25
1930		.26			.17
2030		.27			.18
2130		.25			.10
2230					
2330		.16			.06

December 7, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030					
0130	.10	.10			.01
0230					
0330	.09	.06			.09
0430					
0530	.08	.06			
0630	.09	.14			
0730	.08	.05			
0830	.07	.02			
0930	.11	.04			
1030	.08	.01			
1130	.07	.01			.21
1230	.06	.08			.19
1330					
1430		.10			.23
1530		.09			.12
1630	.10	.08			.07
1730	.07	.10			.08
1830		.18			.07
1930	.06	.11			.06
2030	.06	.09			.24
2130		.04			.18
2230					
2330		.01			.10

December 7, 1966
(continued)
GROUP III STATIONS

t(EST)	6	7	8	9	10
0030					
0130					.06
0230					
0330					.11
0430					
0530					.14
0630					.15
0730					.20
0830					.18
0930					.19
1030					.04
1130		.43			.10
1230		.35			.05
1330					
1430		.62			.05
1530		.48			.03
1630		.51			.02
1730		.28			.00
1830		.30			.00
1930		.14			.08
2030		.11			.10
2130		.15			
2230					
2330		.29			.12

December 7, 1966
(continued)
GROUP III STATIONS

t(EST)	11	12	13	14	15
0030					
0130		.19			.08
0230					
0330	.36	.37			.07
0430					
0530		.68			.09
0630	.55	.61			.16
0730		.55			.26
0830		.50			.33
0930					.21
1030					.21
1130		.45			.24
1230		.50			.21
1330					
1430		.45			.16
1530		.40			.18
1630		.43			.18
1730		.39			.14
1830		.63			.15
1930		1.00			.21
2030		.58			.32
2130		.47			.40
2230					
2330		.40			.25

December 8, 1966

GROUP III STATIONS

t(EST)	1	2	3	4	5
0030					
0130		.00	.15		.07
0230					
0330		.19	.02		.23
0430					
0530		.24	.05		.14
0630		.27	.14		.21
0730		.33	.15		.28
0830		.21	.24		.39
0930	.19	.20	.30		
1030	.15	.24	.33		
1130	.14	.24	.30		.26
1230	.12	.24			.22
1330					
1430	.20	.24			.14
1530	.26	.36			.17
1630	.22	.30			.21
1730	.29	.27			.25
1830	.19	.34			.23
1930	.15	.41			.20
2030	.14	.41			.24
2130	.18	.36			.37
2230					
2330	.10	.20			.45

December 8, 1966

(continued)

GROUP III STATIONS

t(EST)	6	7	8	9	10
0030					
0130		.36			.06
0230					
0330		.20			.25
0430					
0530		.20			.33
0630		.23			.35
0730		.24			
0830		.29			
0930		.25			
1030		.24			.28
1130					.25
1230					.47
1330					
1430					.01
1530					
1630					
1730					
1830					
1930					
2030					
2130					
2230					
2330					

December 8, 1966
(continued)
GROUP III STATIONS

t(EST)	11	12	13	14	15
0030					
0130		.29			.15
0230					
0330		.43			.23
0430					
0530		.46			.42
0630		.45			.55
0730		.43			.59
0830		.32			.48
0930					.34
1030		.21			.24
1130		.29			.38
1230		.36			.42
1330					
1430		.34			.38
1530		.34			.27
1630		.34			.30
1730		.31			.38
1830		.29			.39
1930		.39			.42
2030		.62			.53
2130		.62			.55
2230					
2330		.75			.62

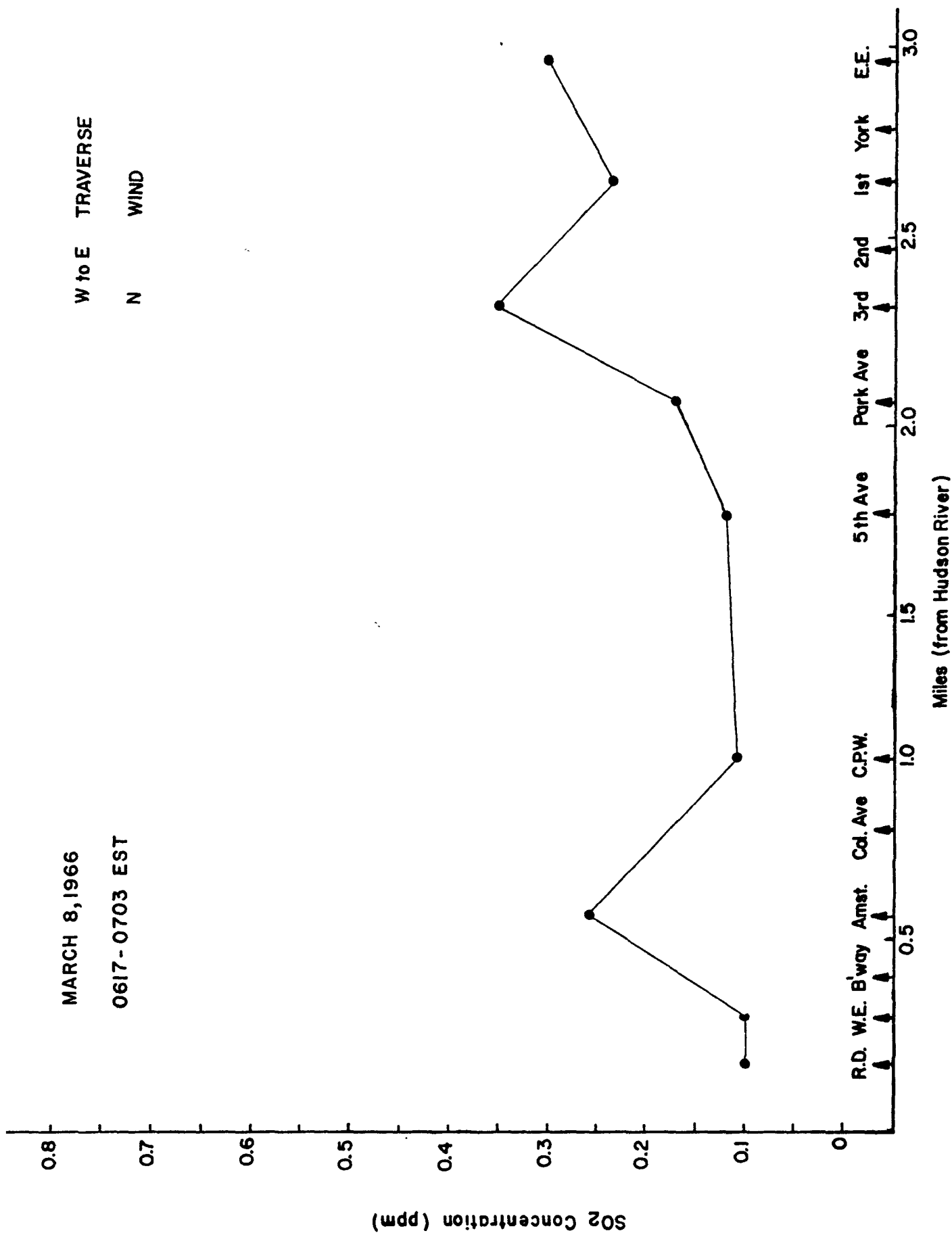
APPENDIX II
SEVENTY-NINTH STREET SO₂ TRAVERSES

MARCH 8, 1966

0617 - 0703 EST

W to E TRAVERSE

N WIND

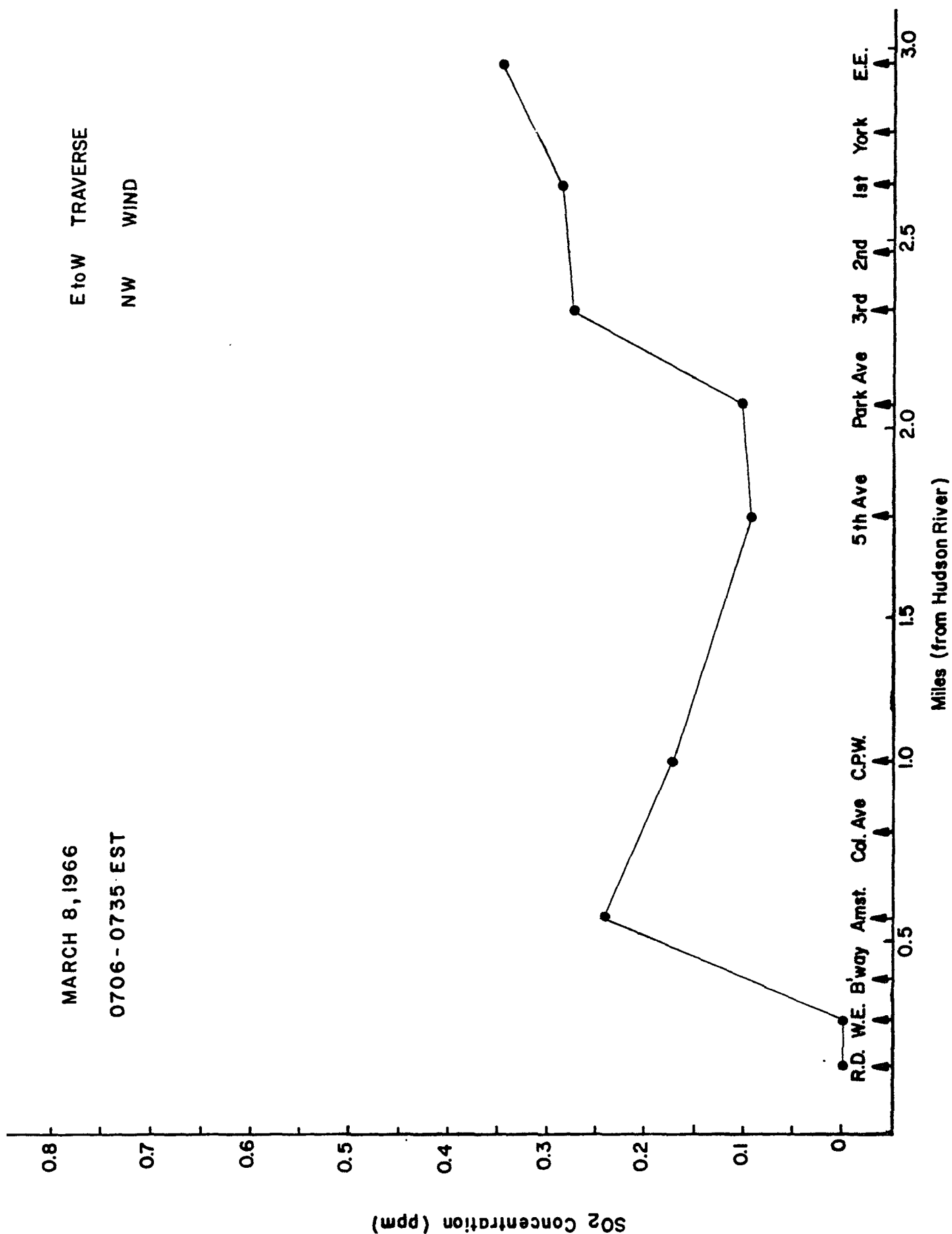


MARCH 8, 1966

0706 - 0735 EST

E to W TRAVERSE

NW WIND

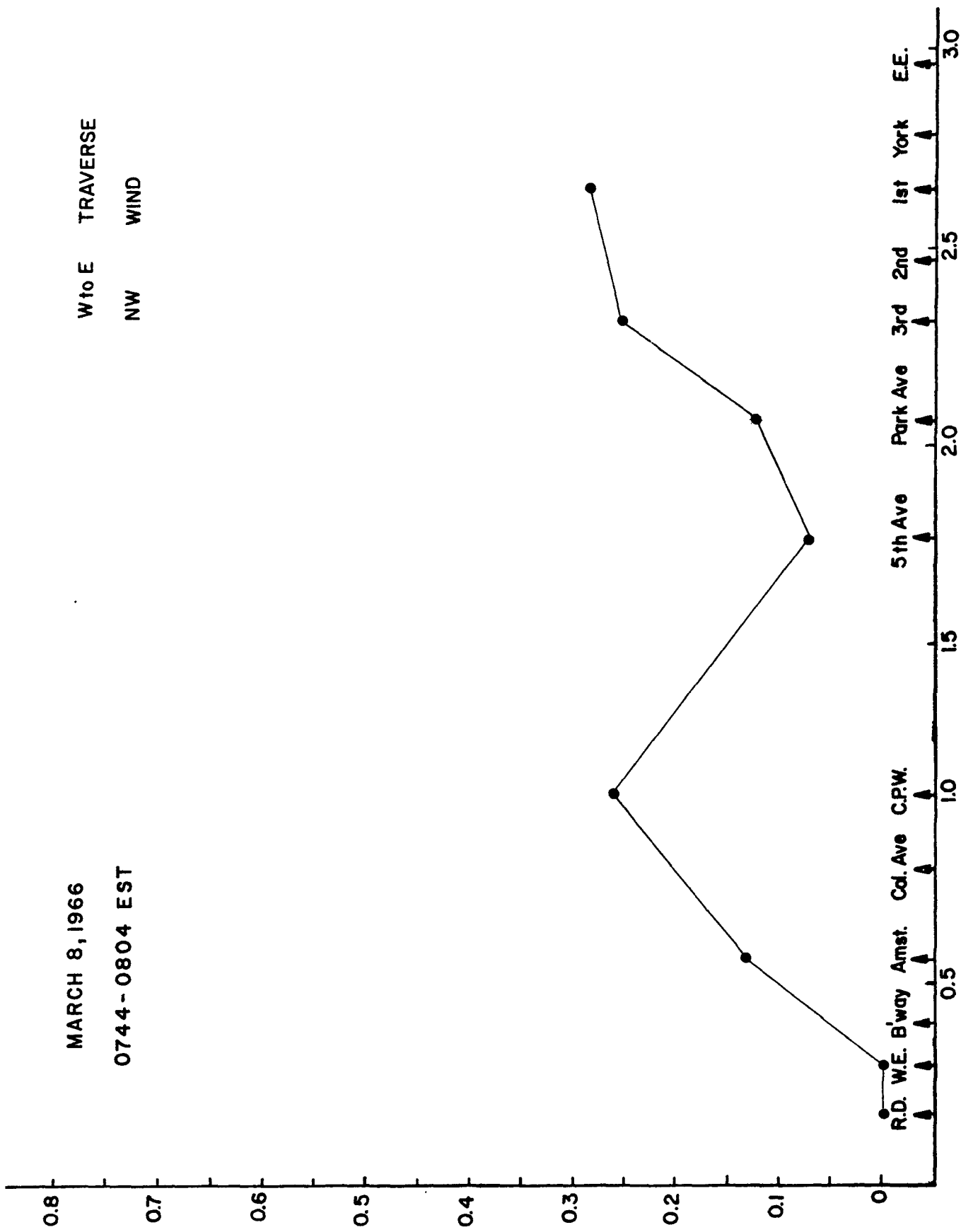


MARCH 8, 1966
0744 - 0804 EST

W to E TRAVERSE
NW WIND

SO₂ Concentration (ppm)

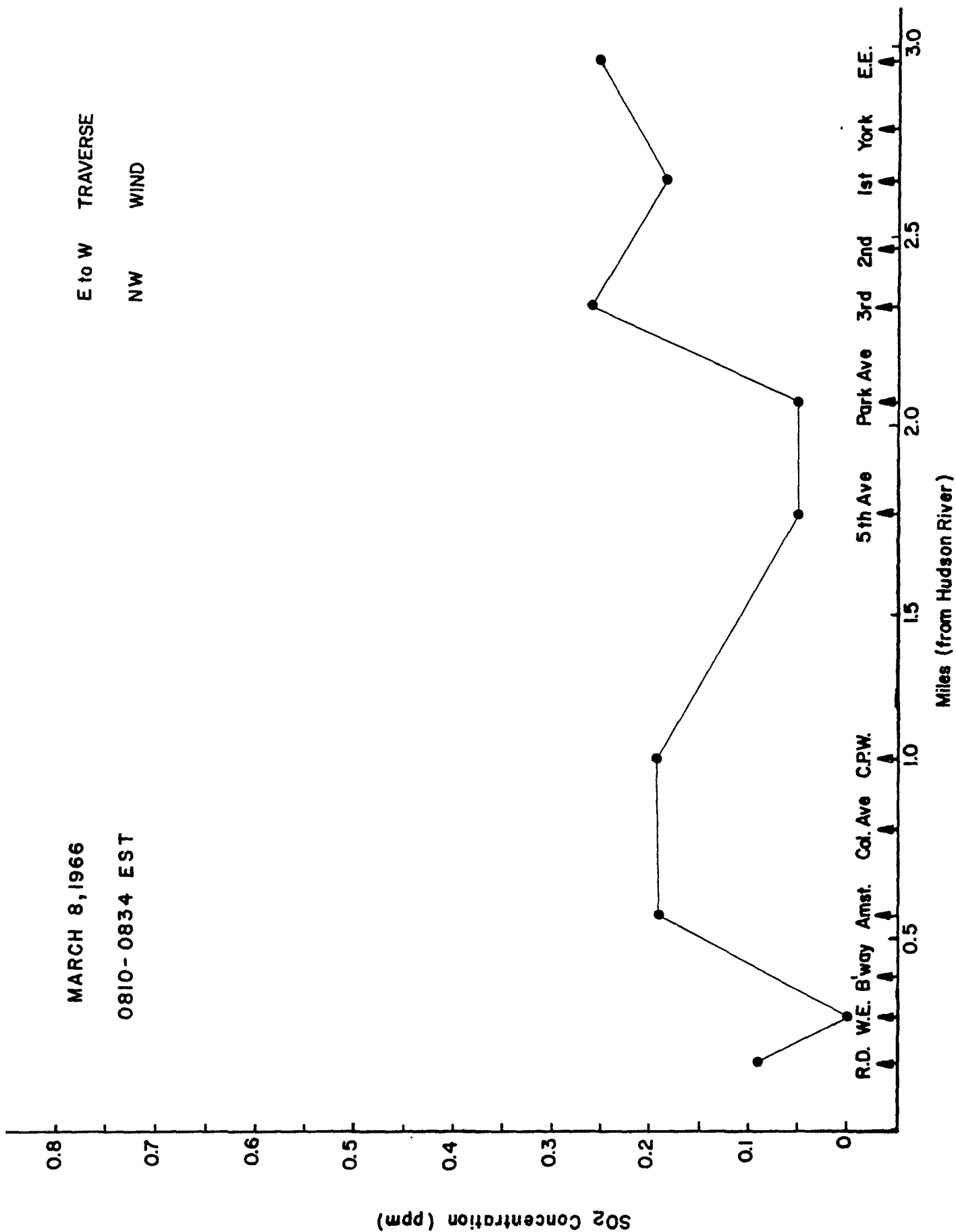
Miles (from Hudson River)



R.D. W.E. B'way Amst. Cld. Ave C.P.W. 5th Ave Park Ave 3rd 2nd 1st York E.E.

MARCH 8, 1966
0810-0834 EST

E to W TRAVERSE
NW WIND

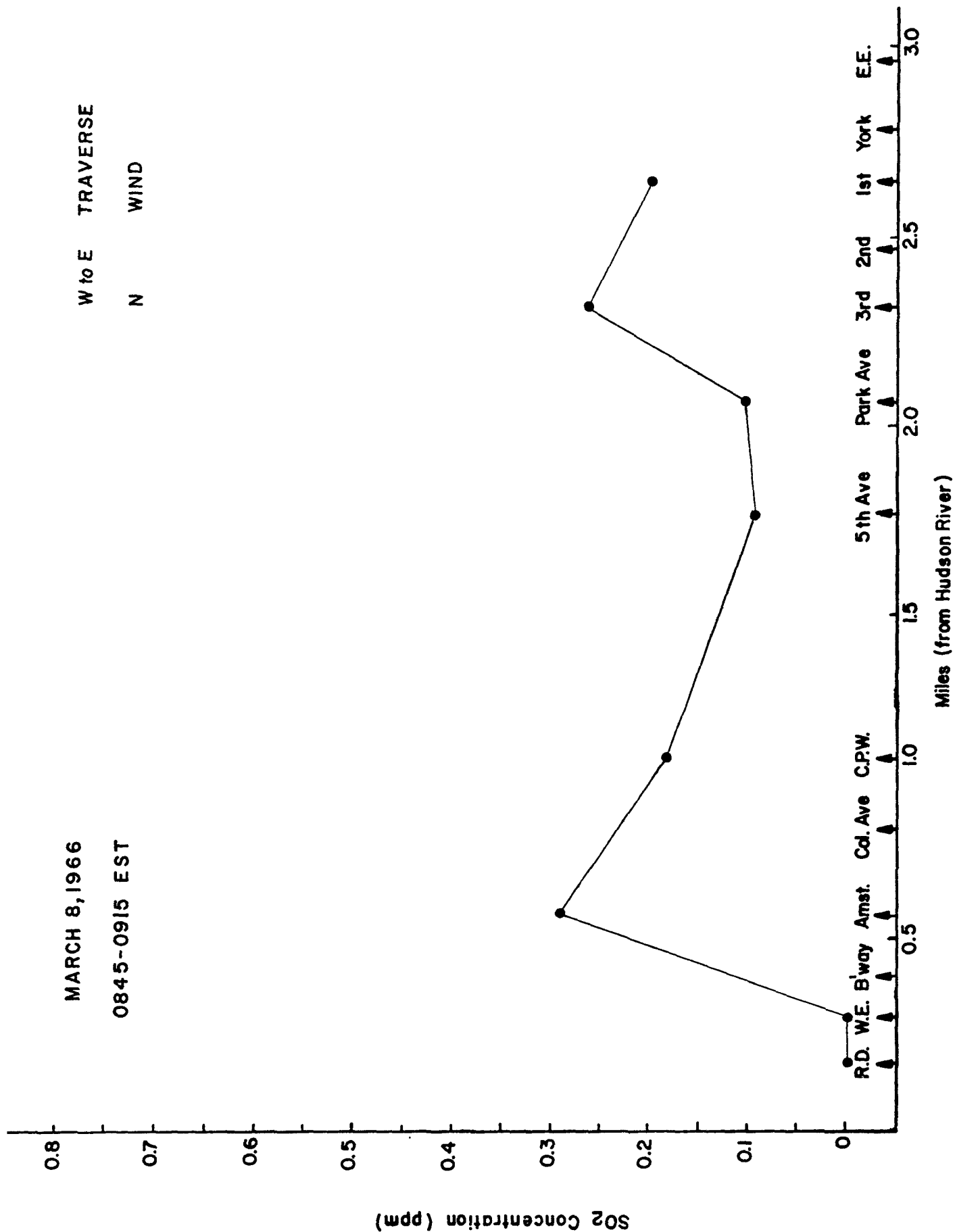


MARCH 8, 1966

0845-0915 EST

W to E TRAVERSE

N WIND

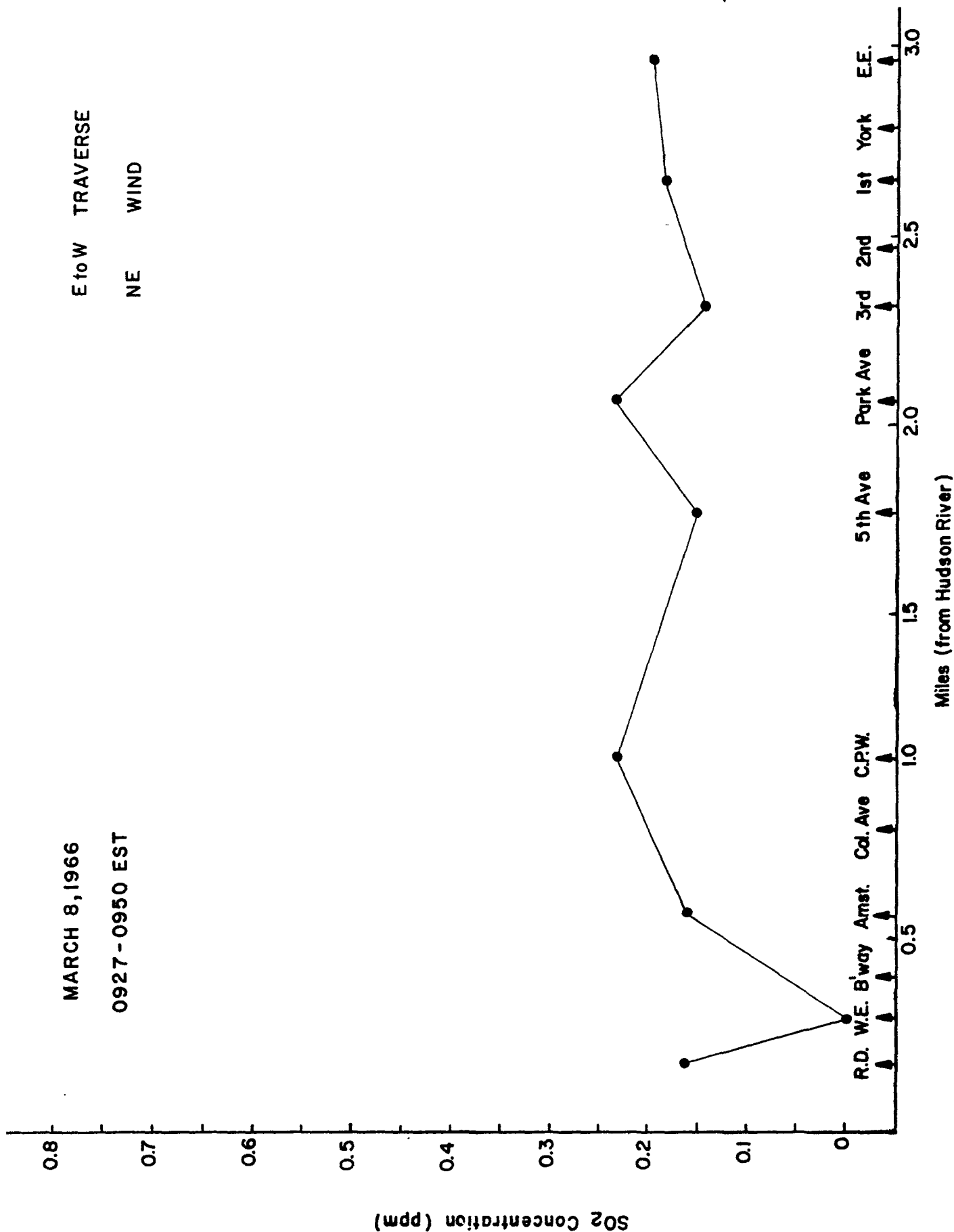


MARCH 8, 1966

0927 - 0950 EST

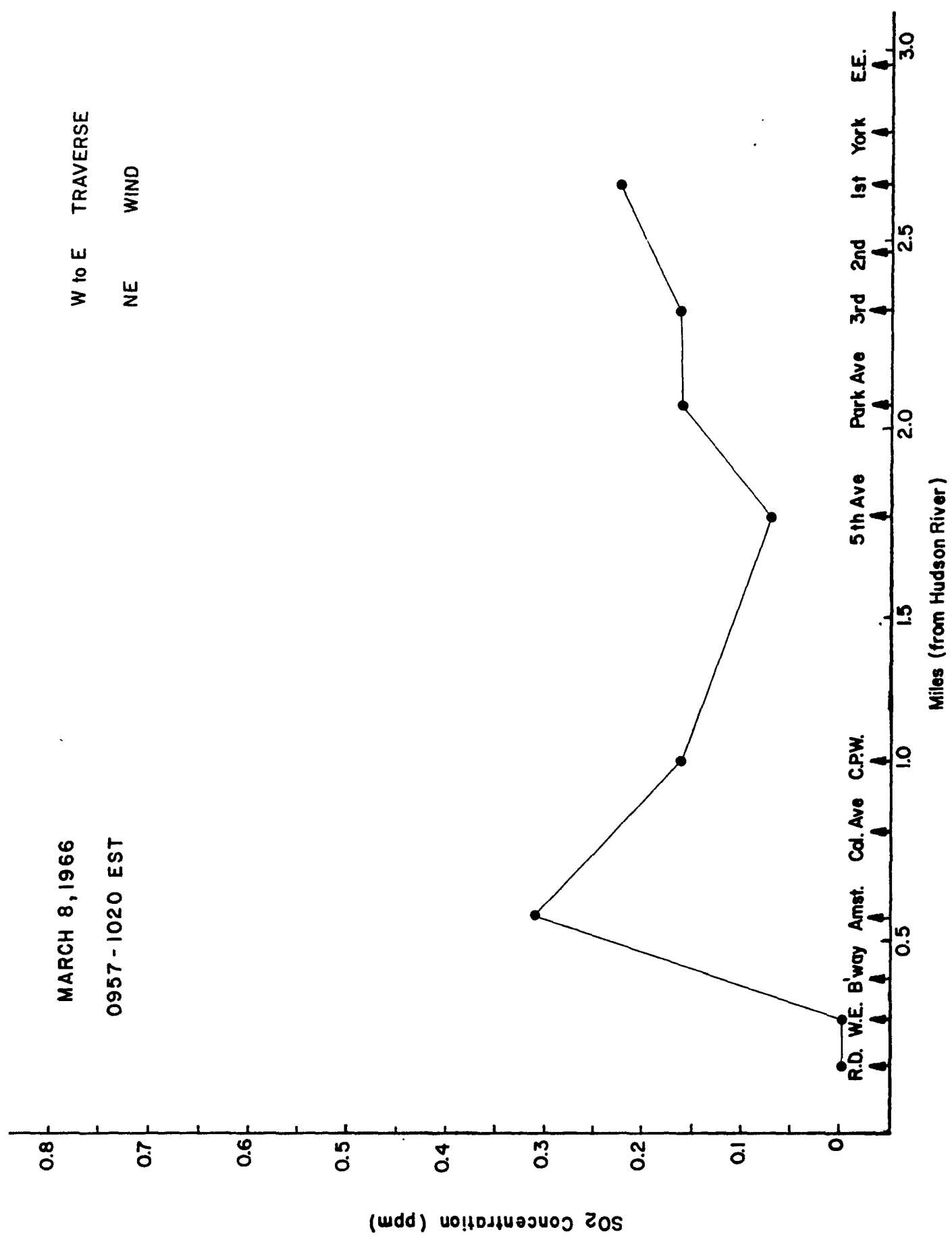
E to W TRAVERSE

NE WIND



MARCH 8, 1966
0957 - 1020 EST

W to E TRAVERSE
NE WIND

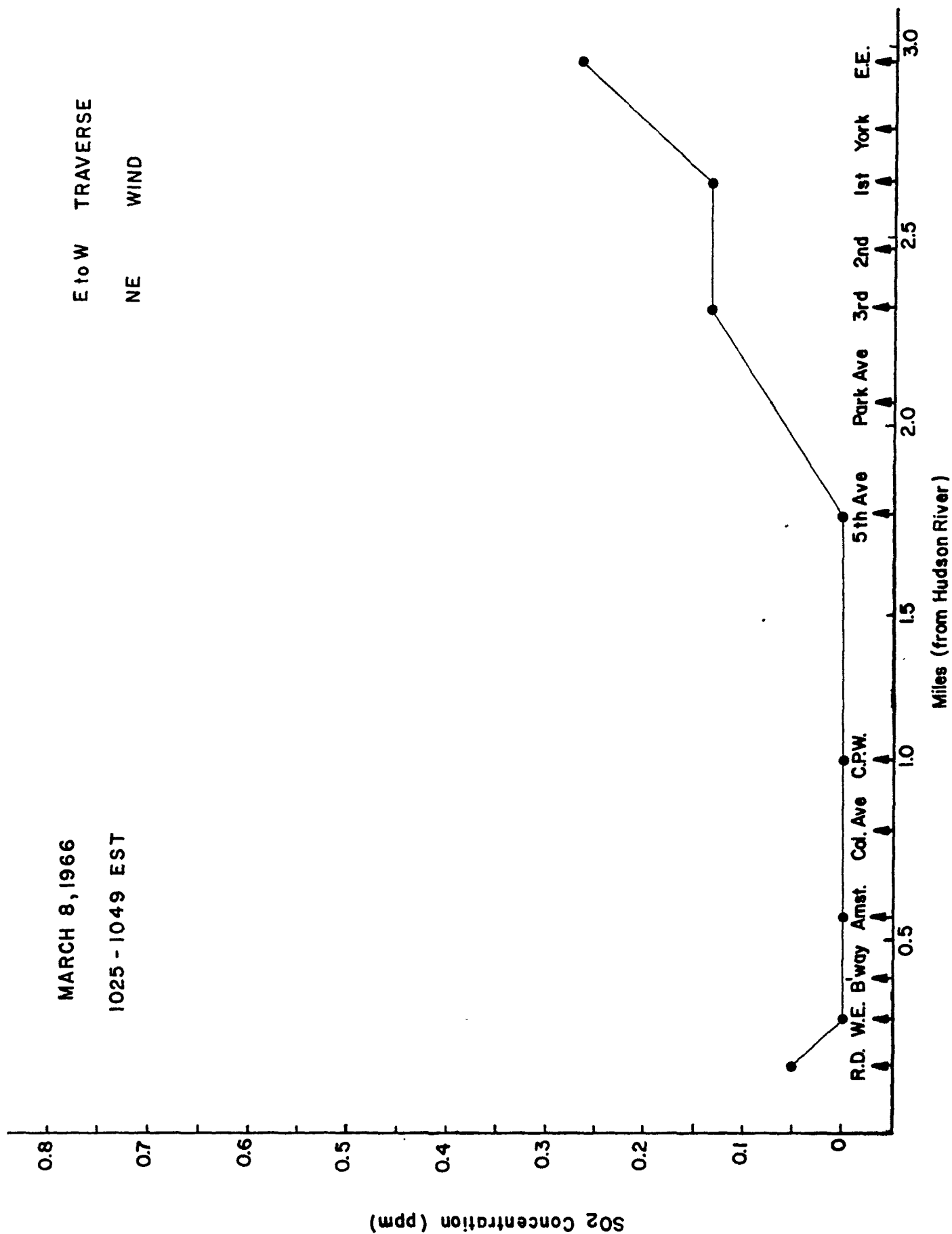


MARCH 8, 1966

1025 - 1049 EST

E to W TRAVERSE

NE WIND

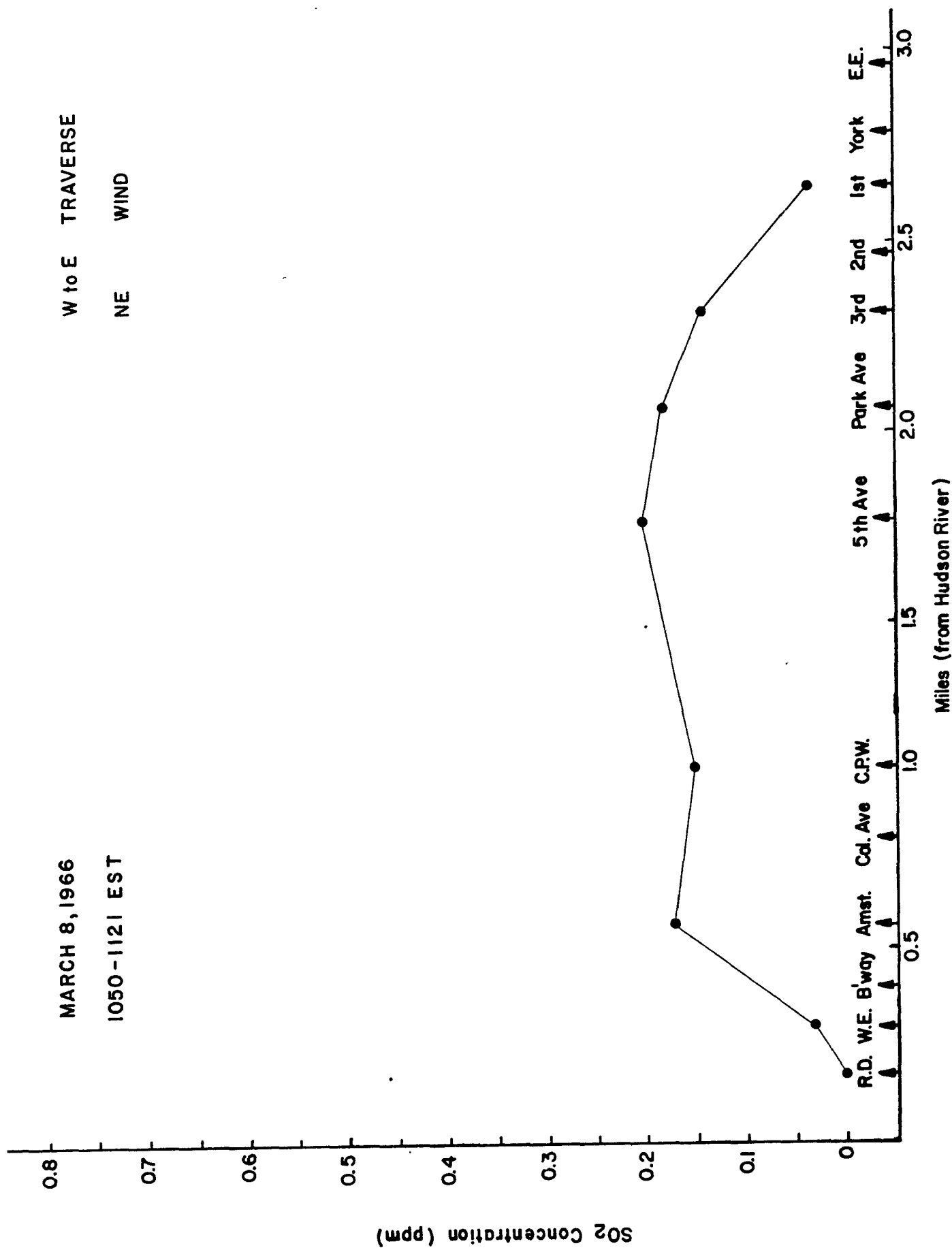


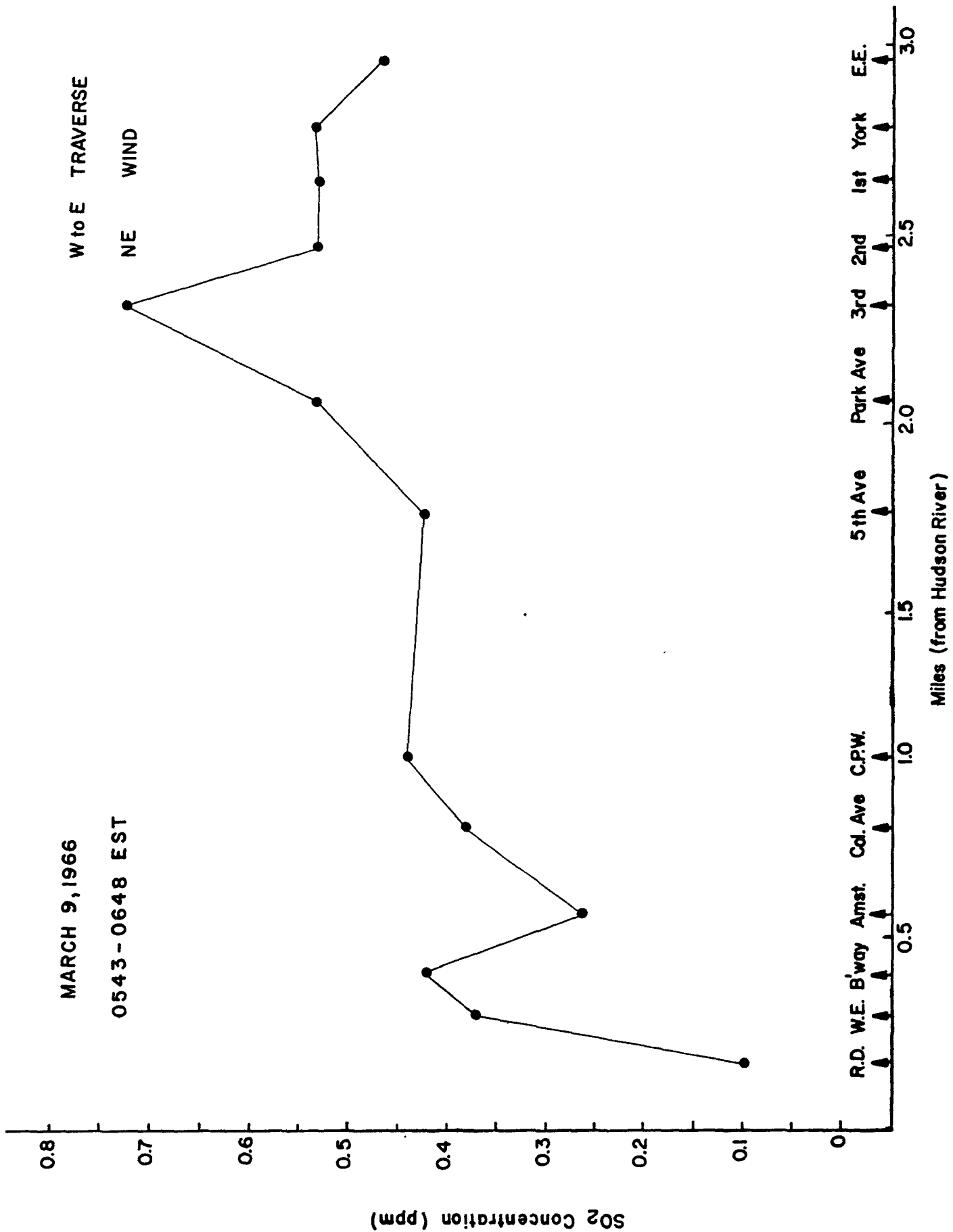
MARCH 8, 1966

1050-1121 EST

W to E TRAVERSE

NE WIND



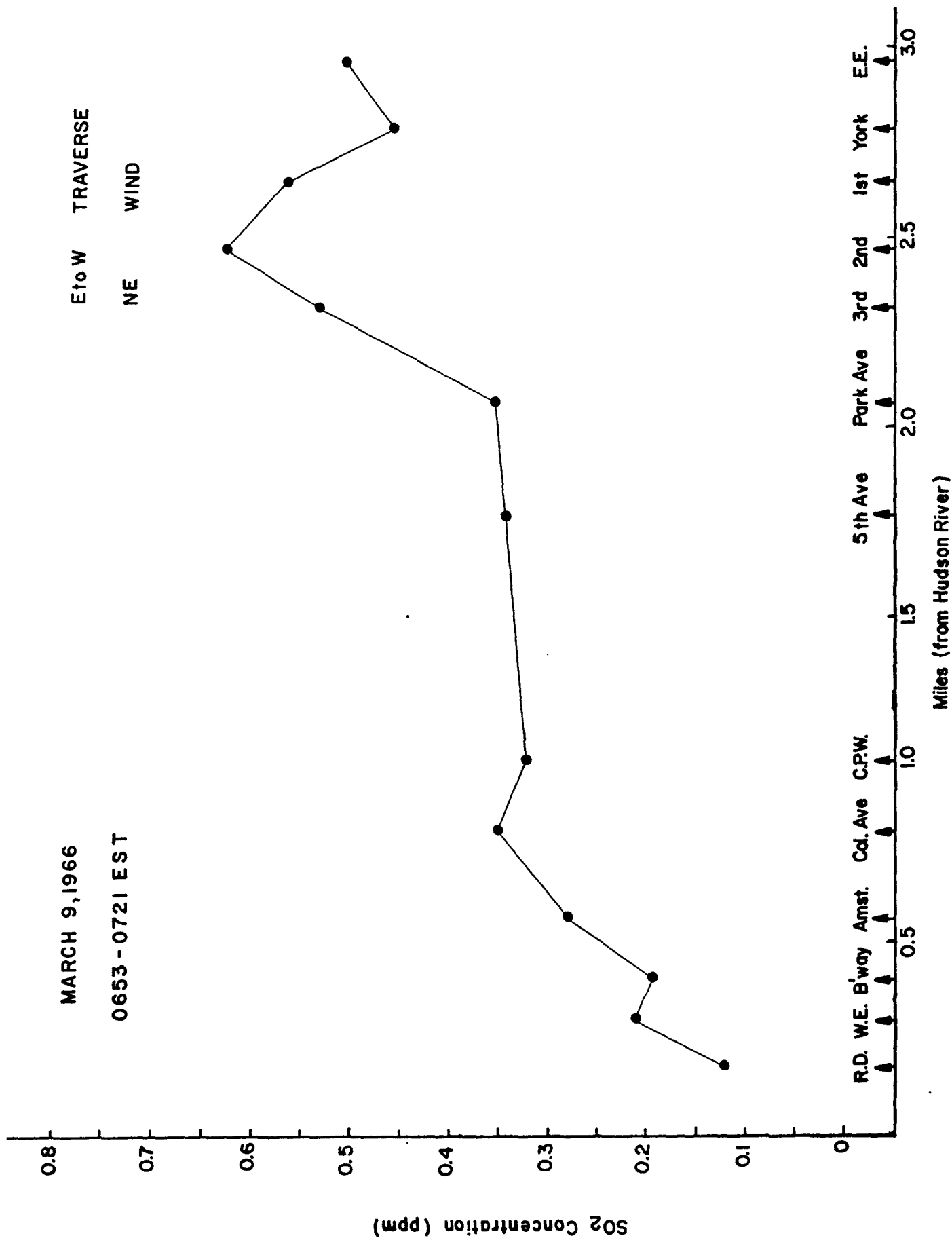


MARCH 9, 1966

0653 - 0721 EST

E to W TRAVERSE

NE WIND

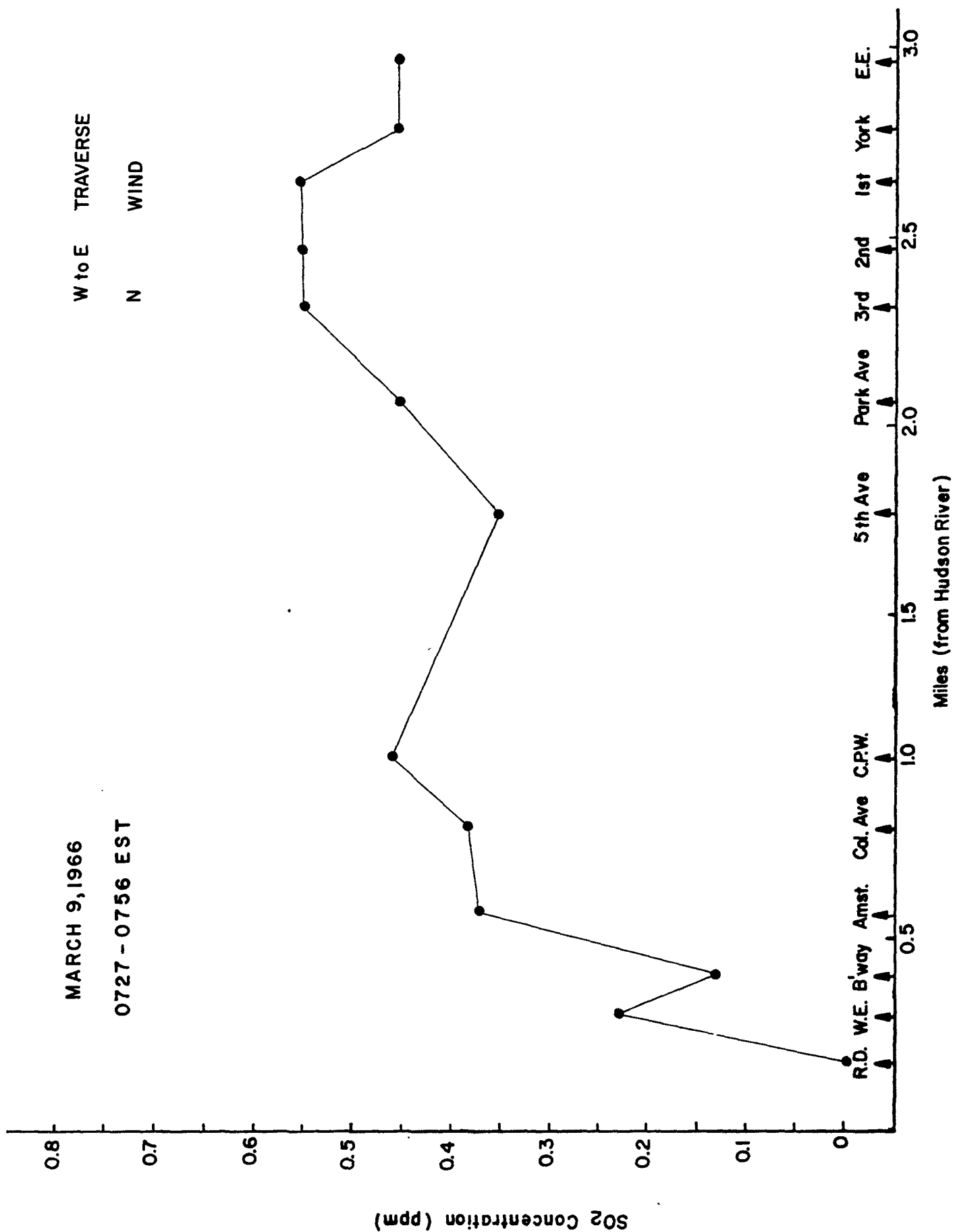


MARCH 9, 1966

0727 - 0756 EST

W to E TRAVERSE

N WIND

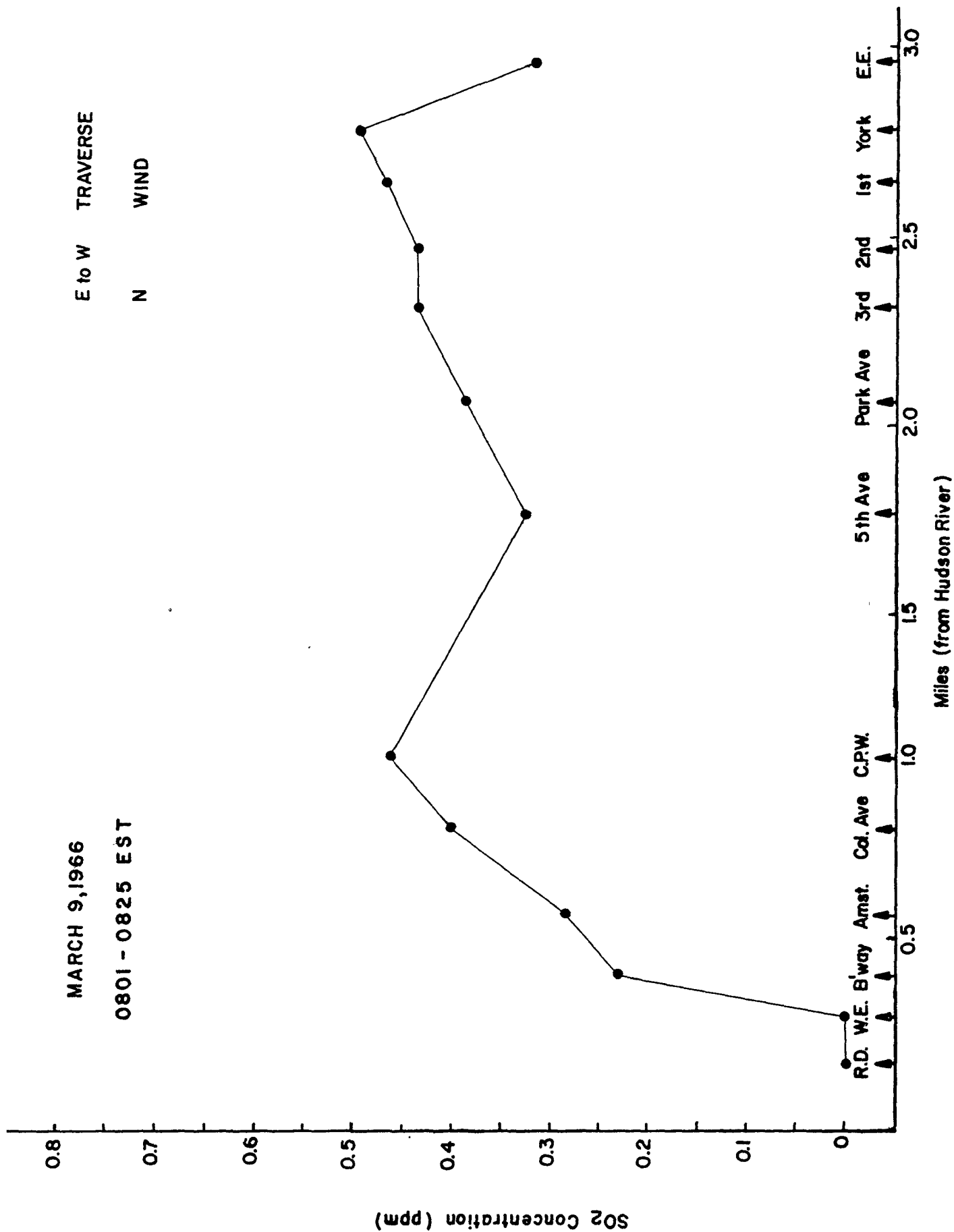


MARCH 9, 1966

0801 - 0825 EST

E to W TRAVERSE

N WIND



R.D. W.E. B'way Amst. Ccl. Ave C.P.W.

1st York E.E.

2nd

3rd

Park Ave

5th Ave

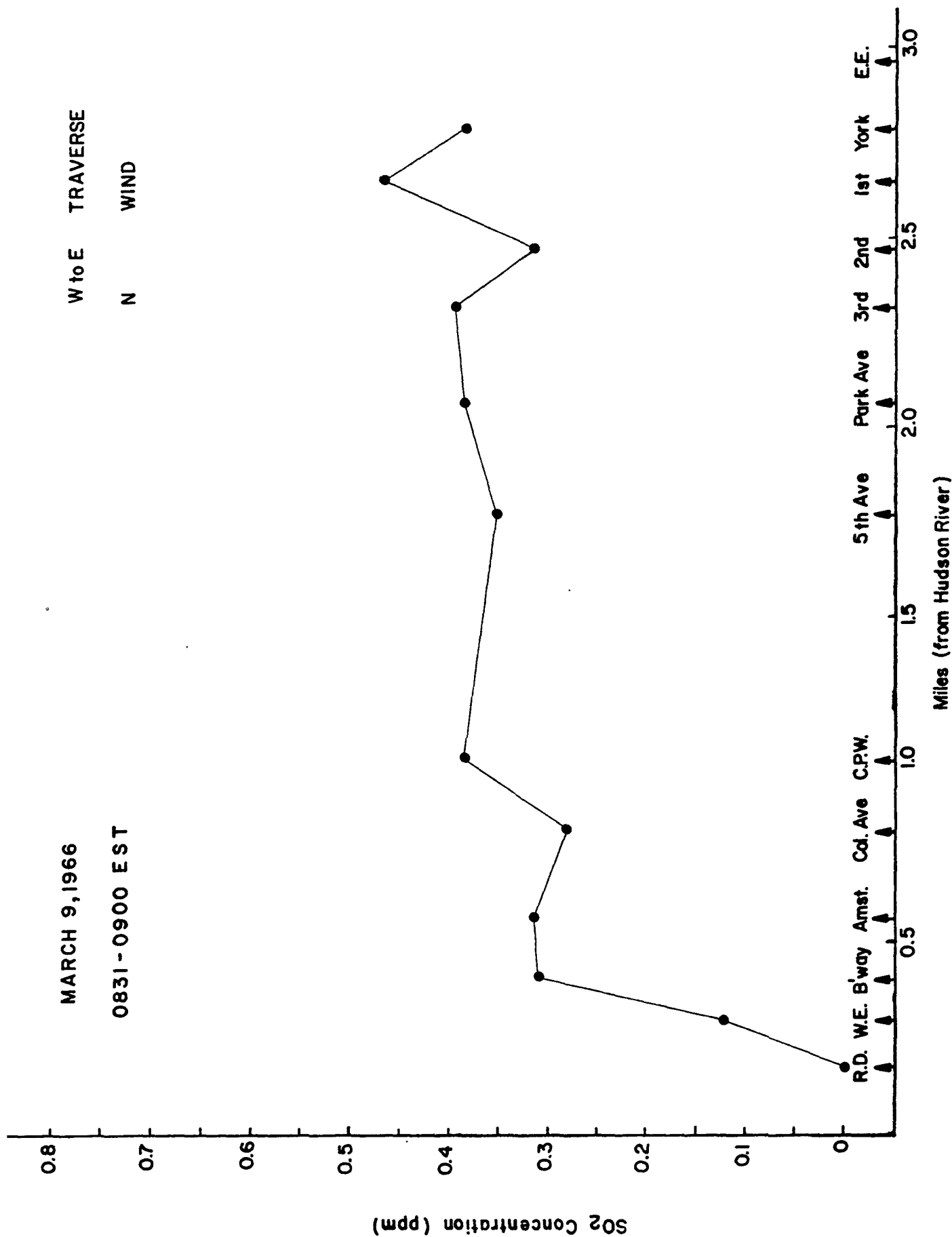
Miles (from Hudson River)

MARCH 9, 1966

0831 - 0900 EST

W to E TRAVERSE

N WIND



MARCH 9, 1966

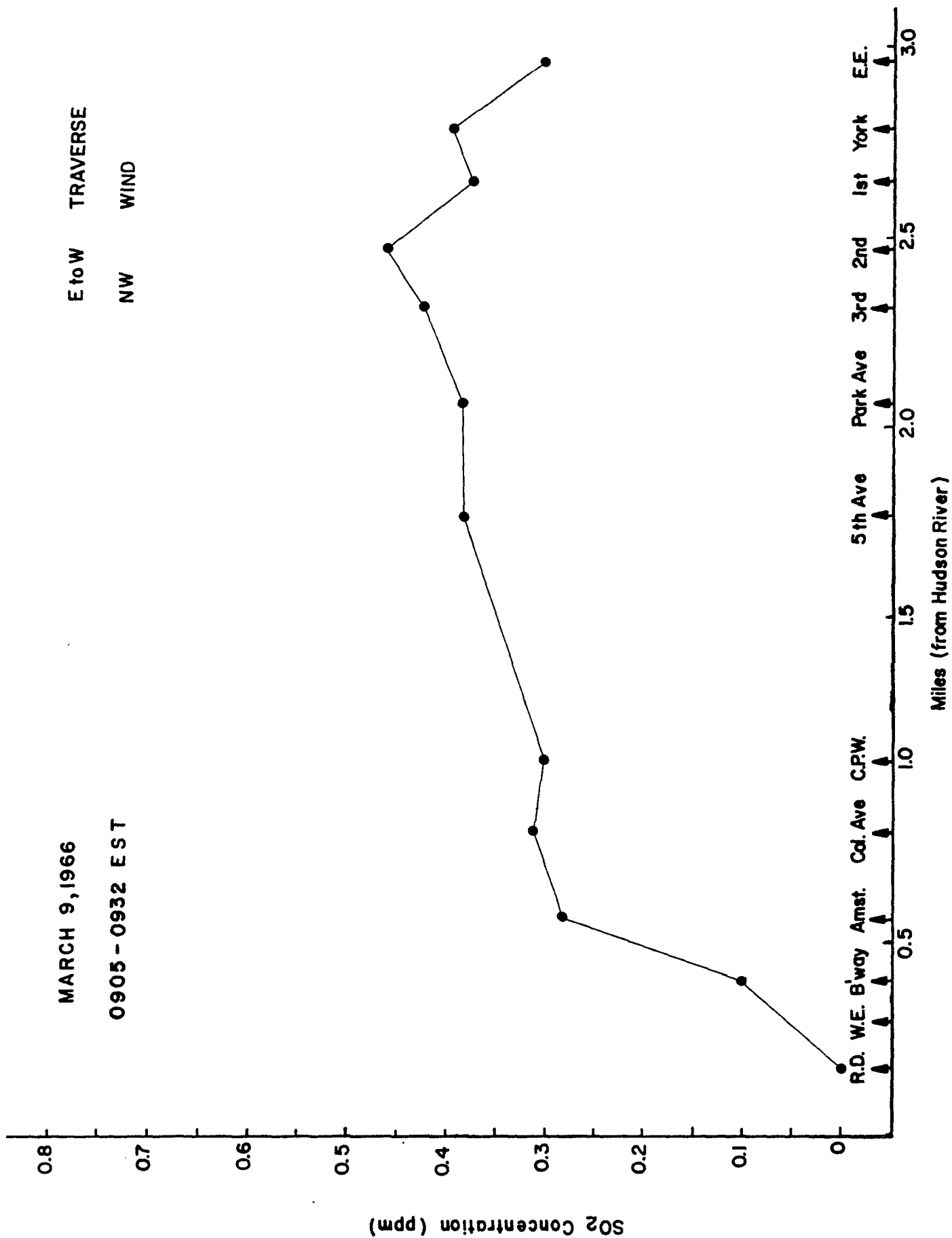
0905 - 0932 EST

E to W

TRAVERSE

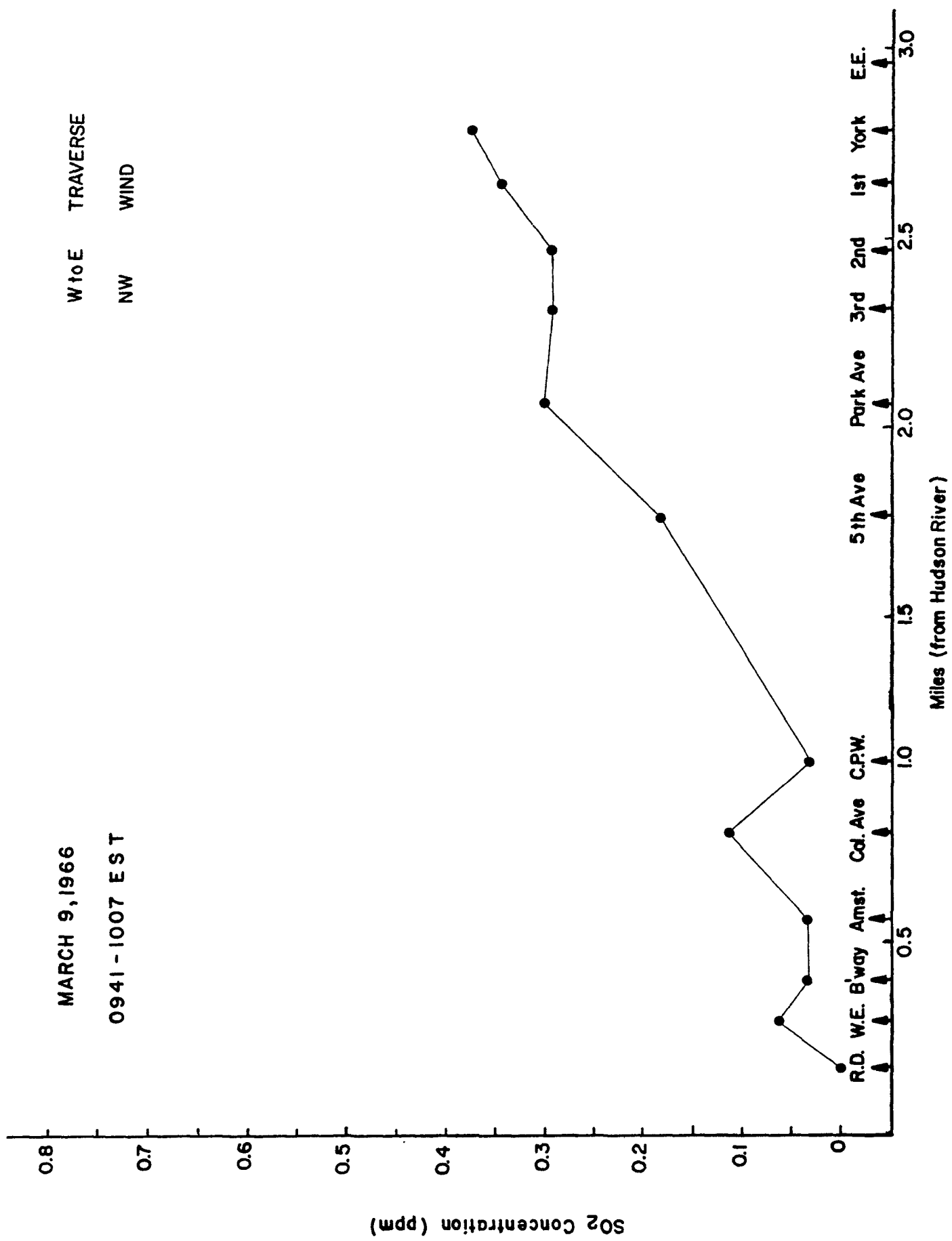
NW

WIND



MARCH 9, 1966
0941 - 1007 E S T

W to E TRAVERSE
NW WIND



MARCH 9, 1966

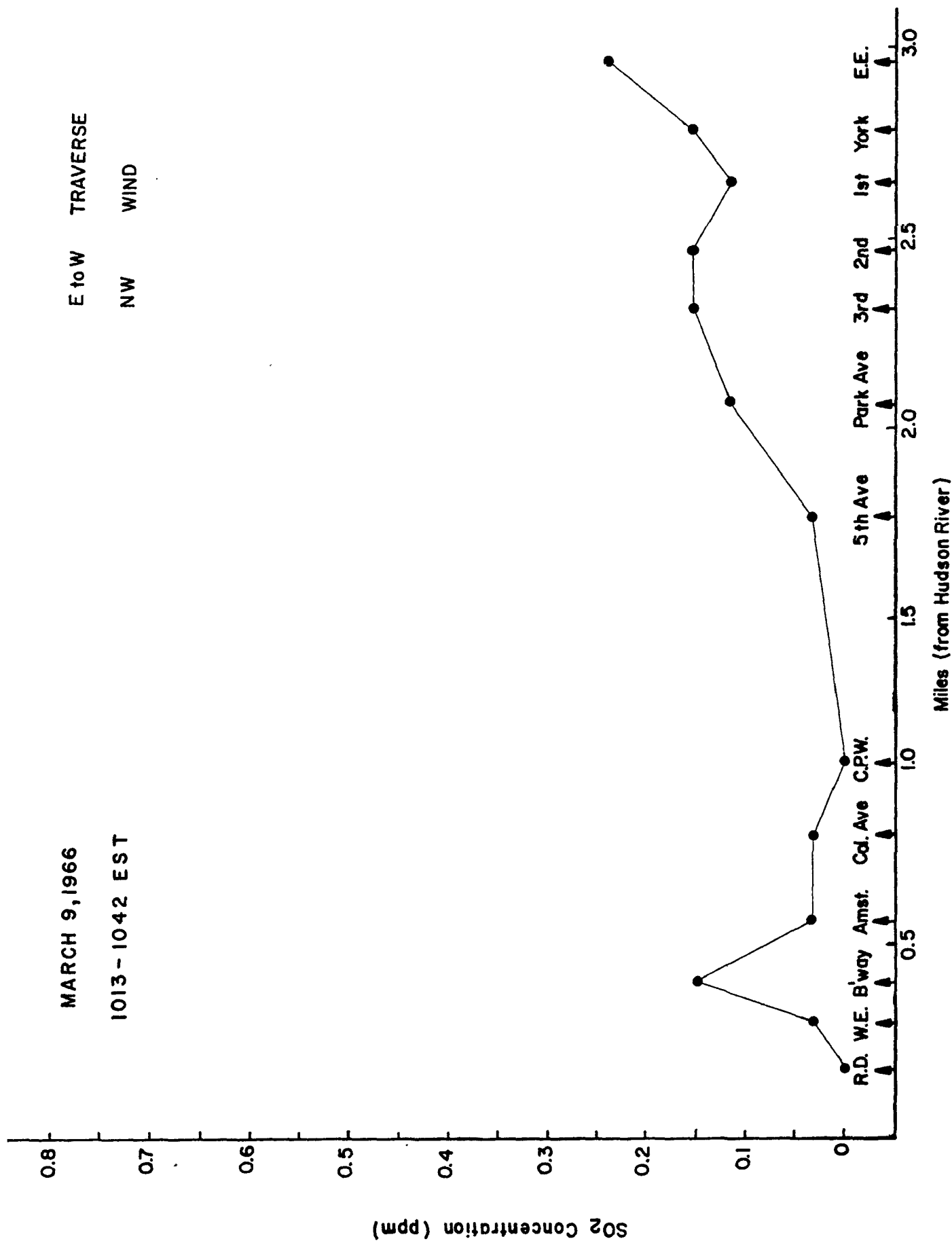
1013 - 1042 EST

E to W

TRAVERSE

NW

WIND

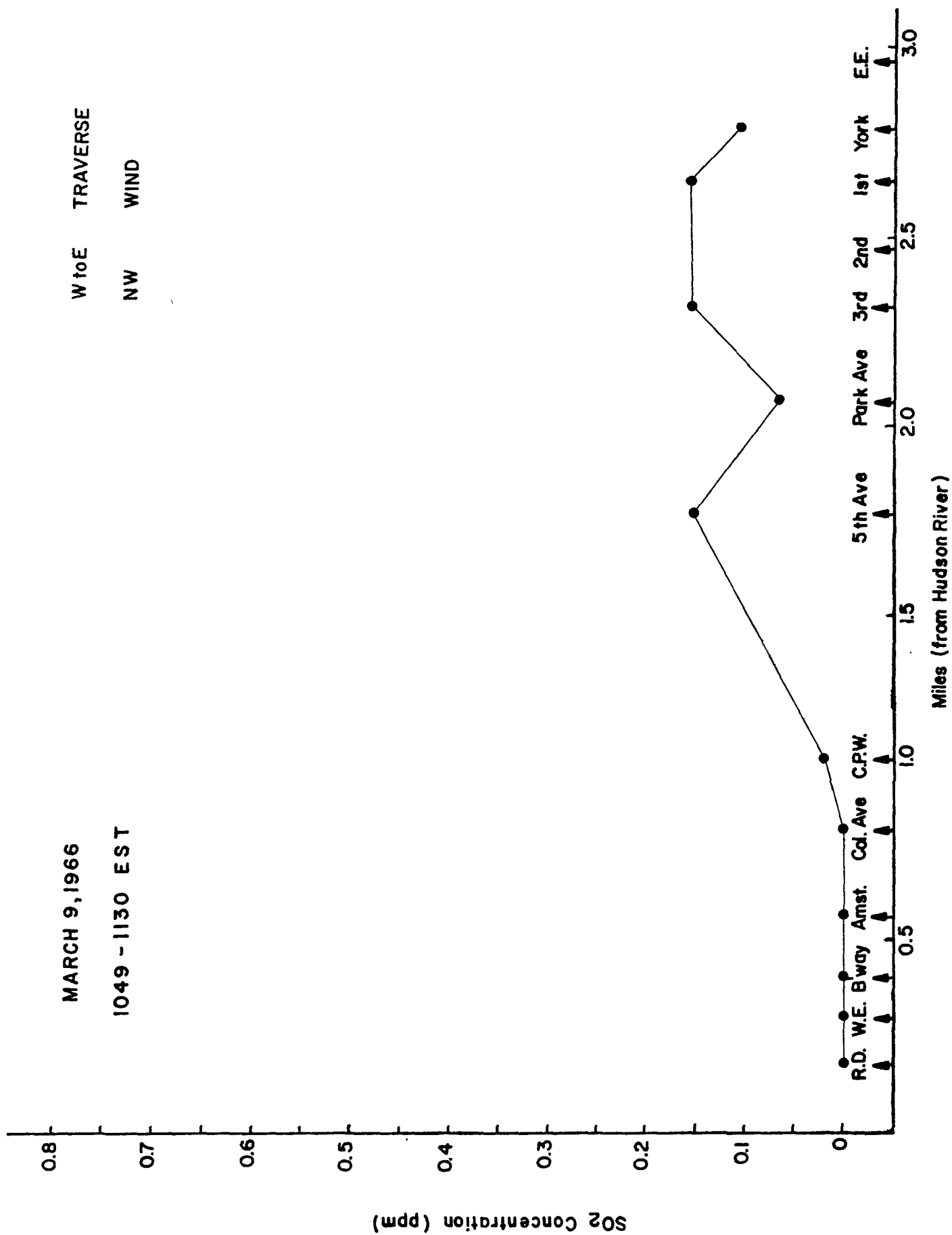


MARCH 9, 1966

1049 - 1130 EST

W to E TRAVERSE

NW WIND

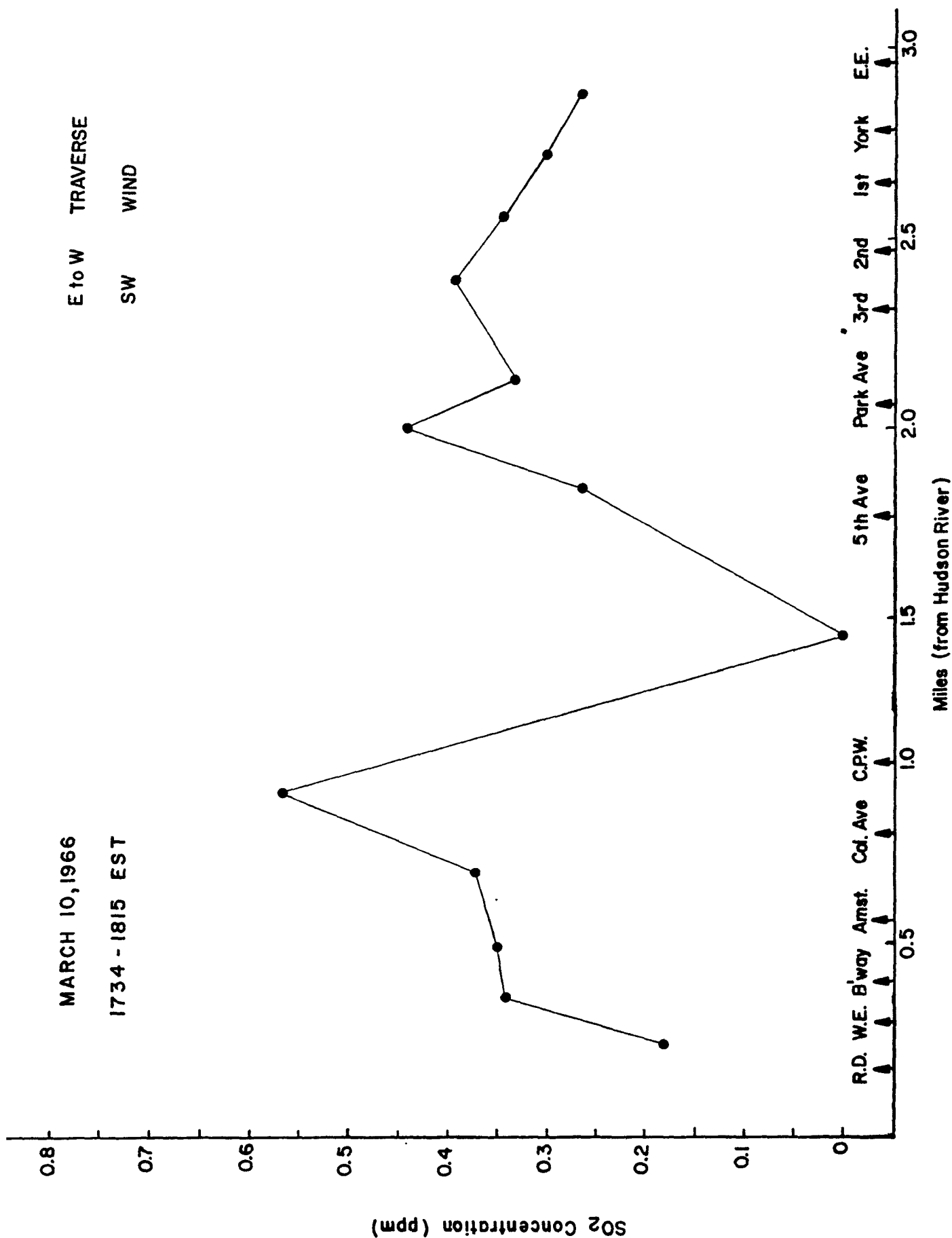


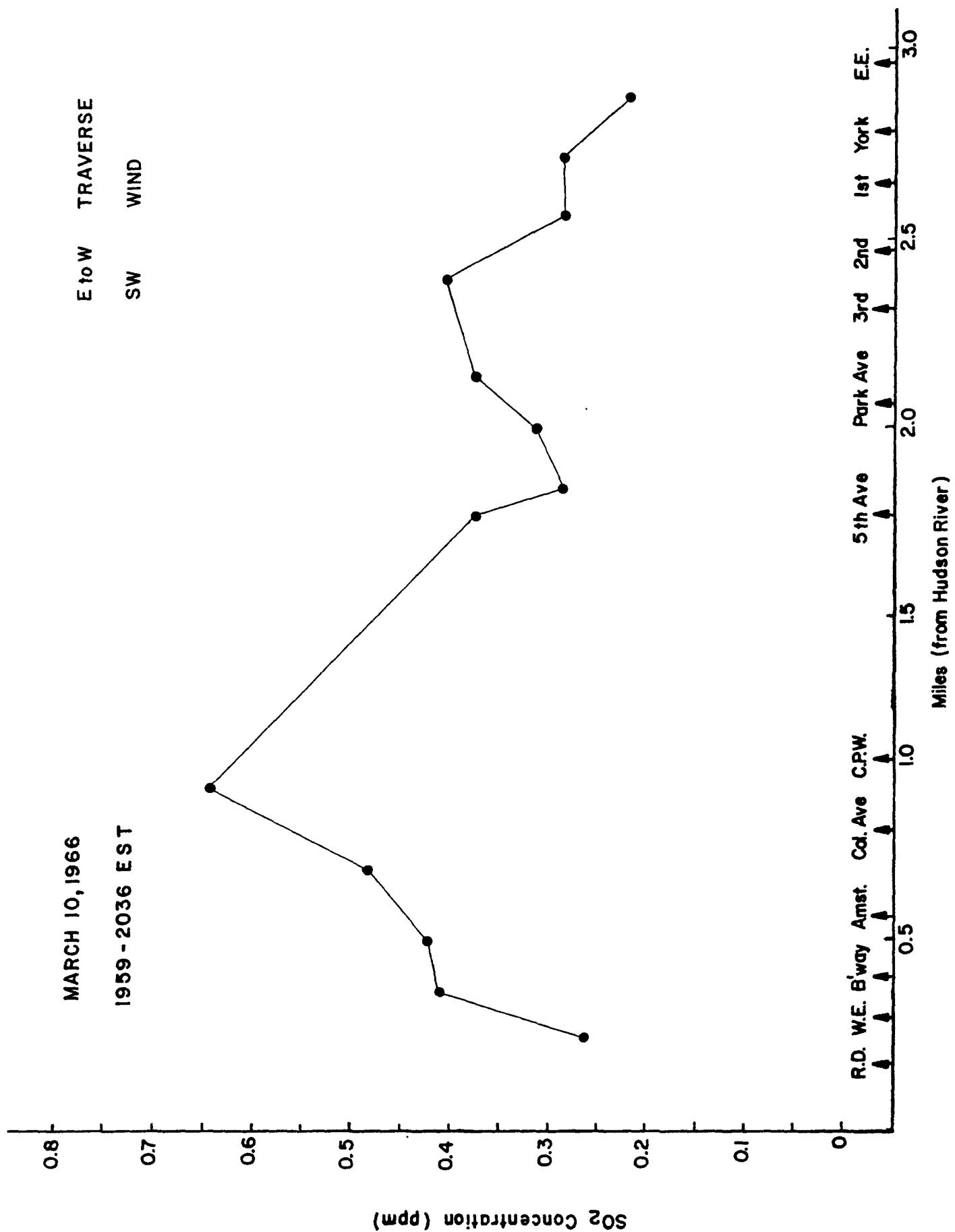
MARCH 10, 1966

1734 - 1815 EST

E to W TRAVERSE

SW WIND

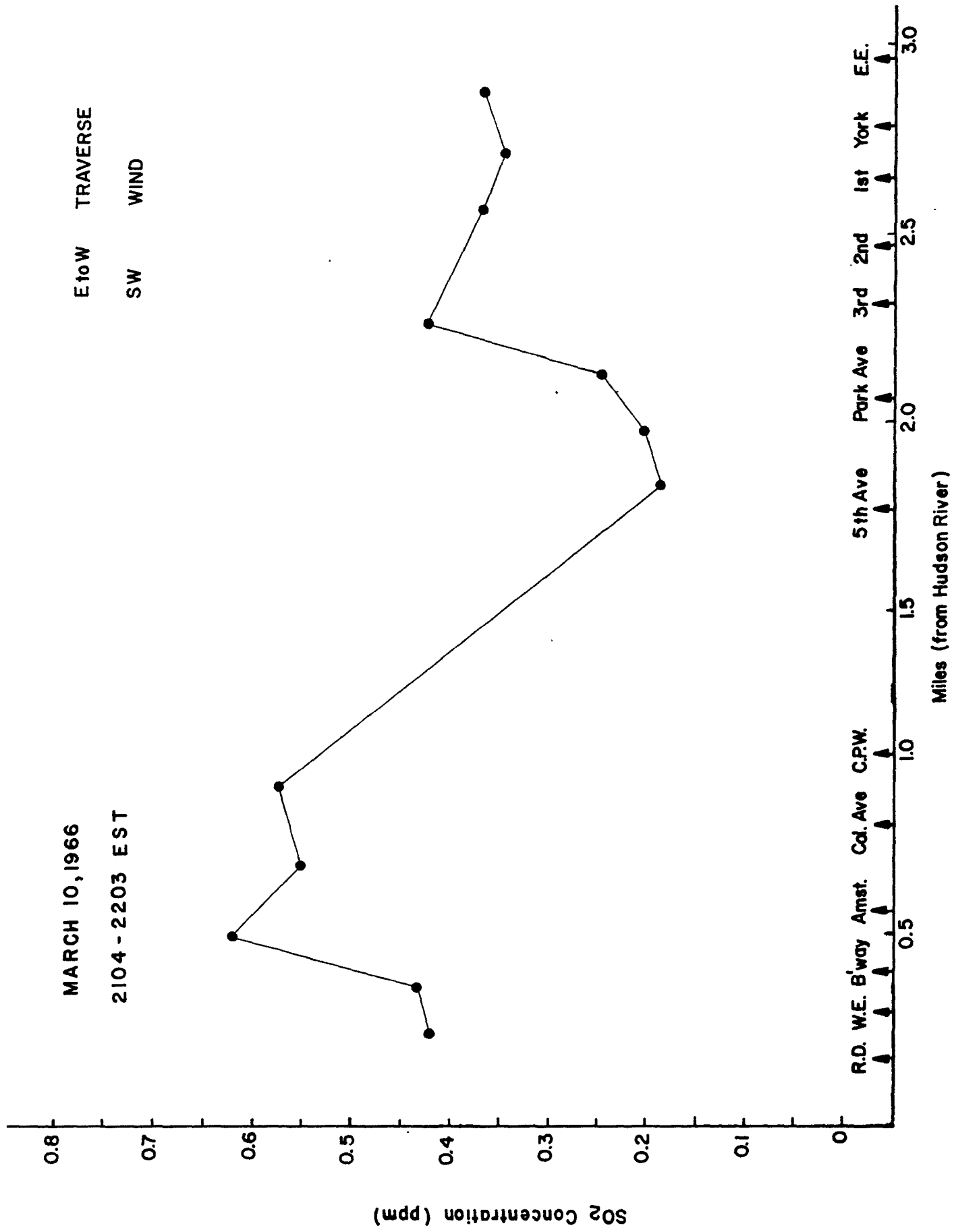




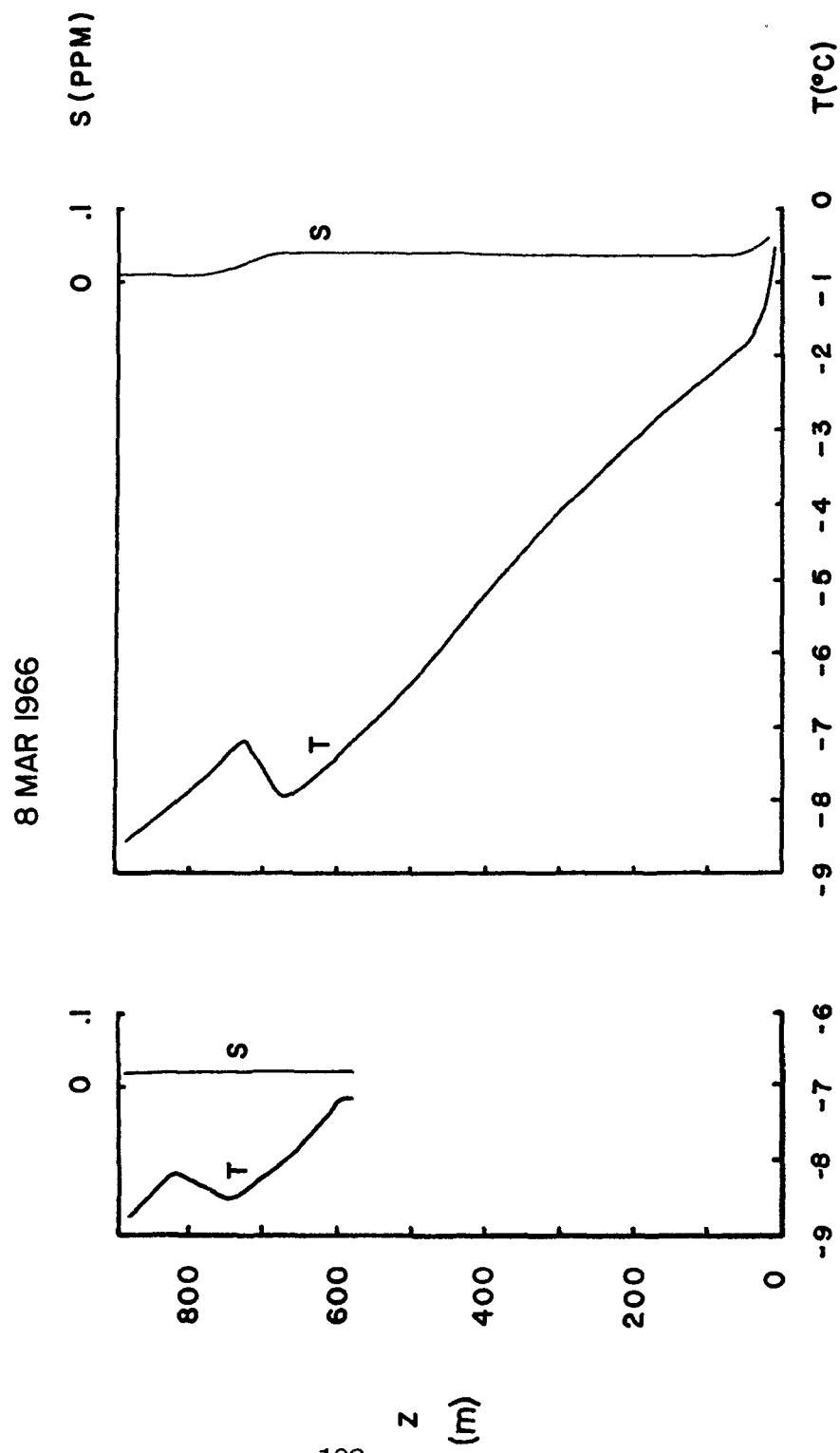
MARCH 10, 1966
2104 - 2203 EST

E to W TRAVERSE

SW WIND



APPENDIX III
HELICOPTER SOUNDINGS OF TEMPERATURE AND SO₂



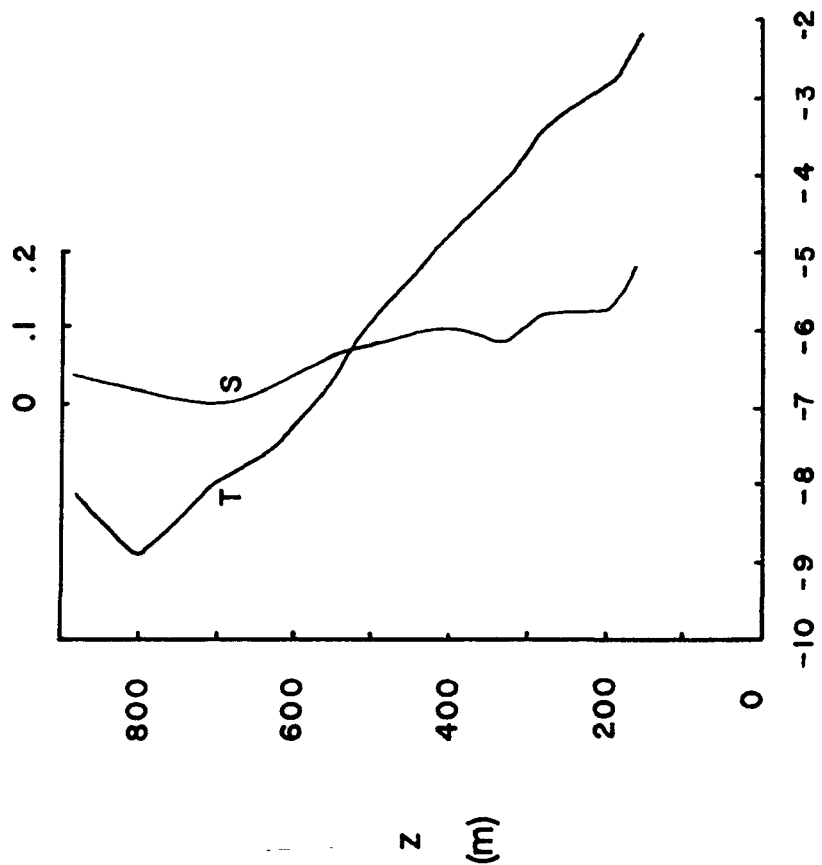
ORCHARD BEACH

EASTCHESTER BAY

1201

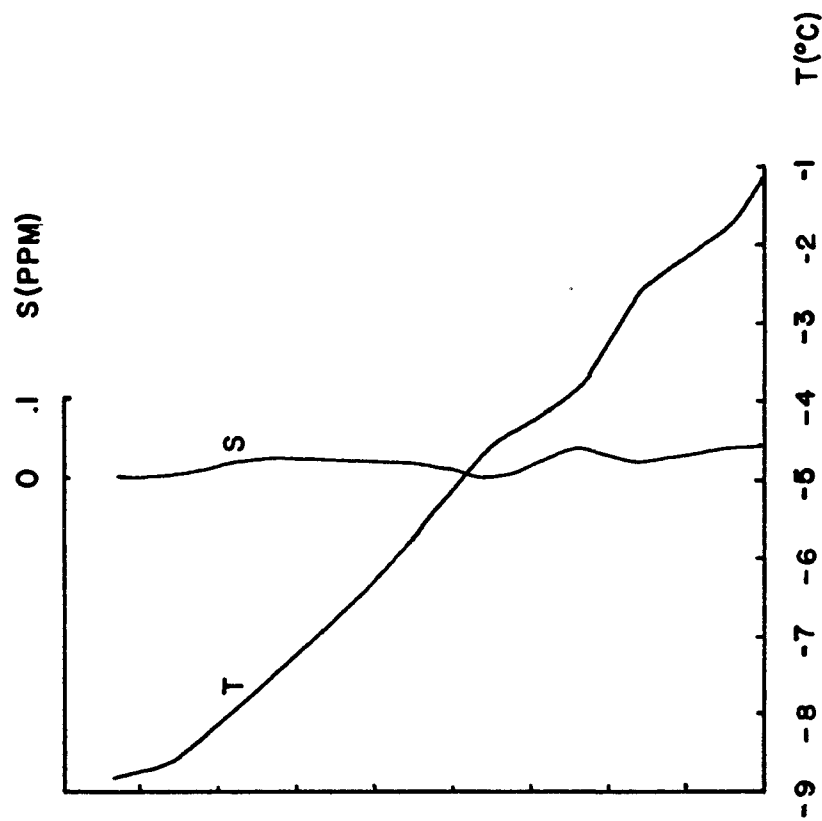
1207

8 MAR 1966



155th STREET ↑

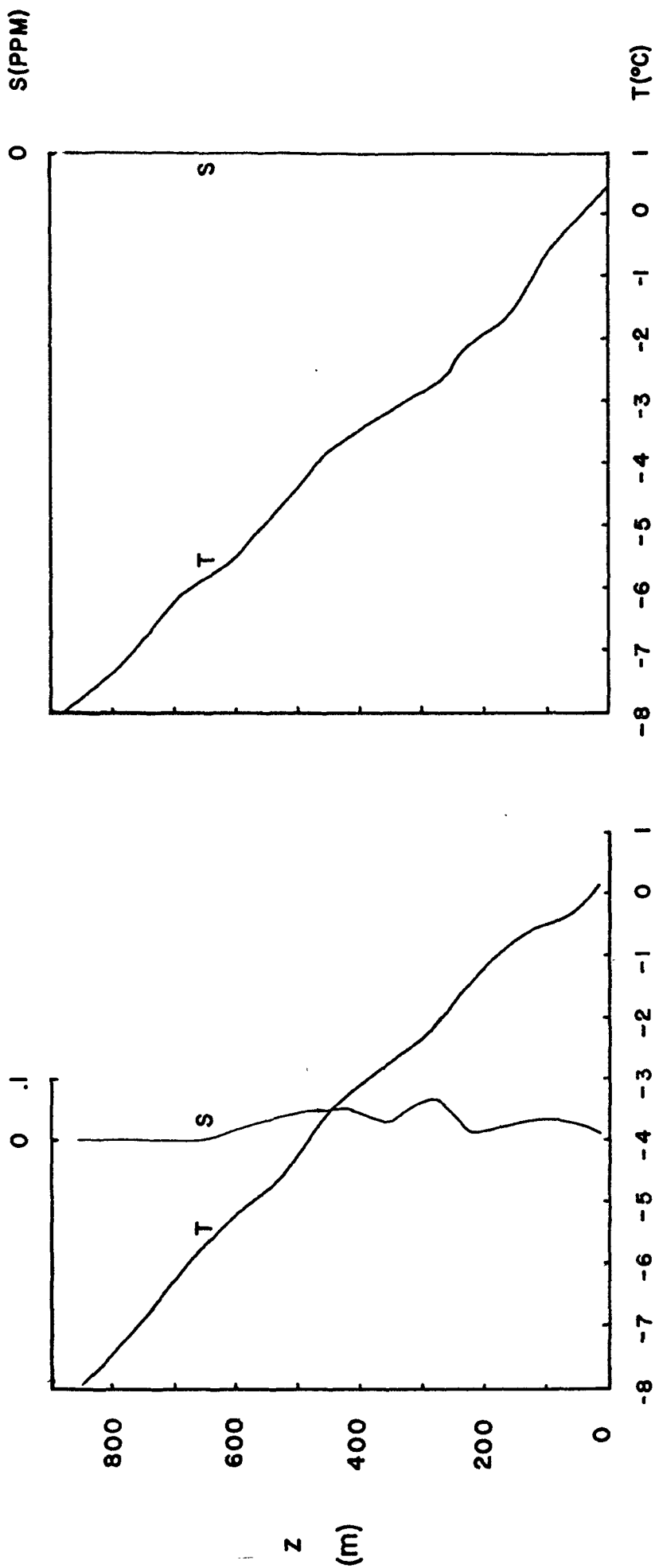
1221



155th STREET ↓

1225

8 MAR 1966



155th STREET ↑

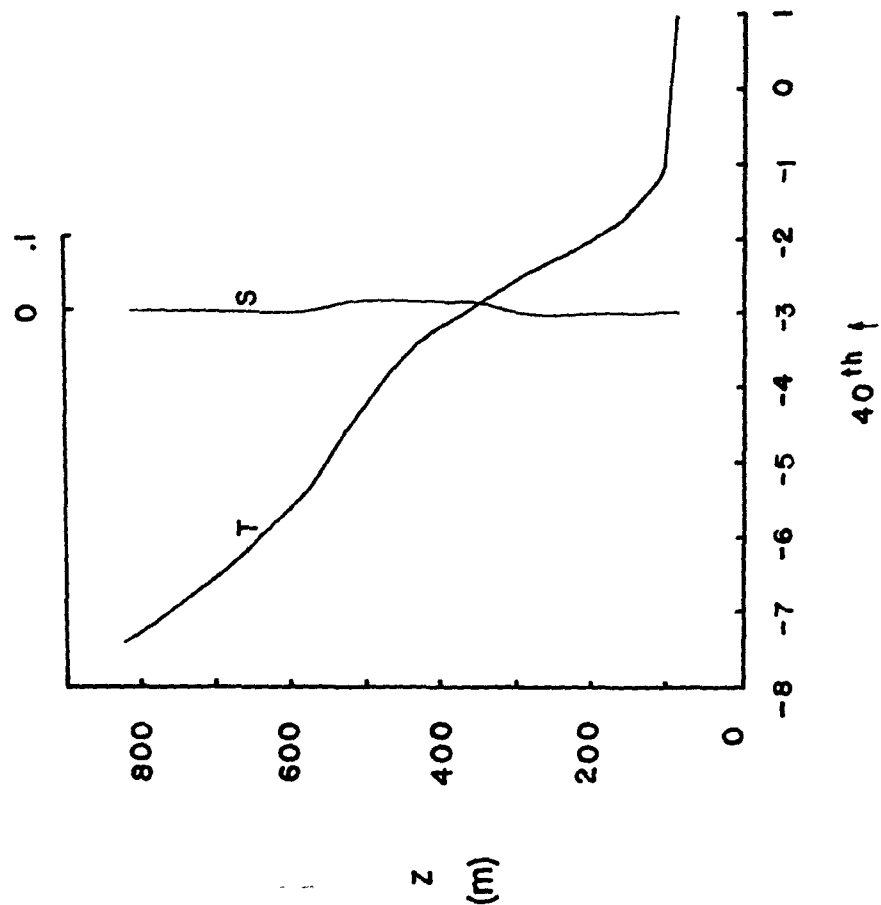
FT. WASHINGTON

PARK ↓

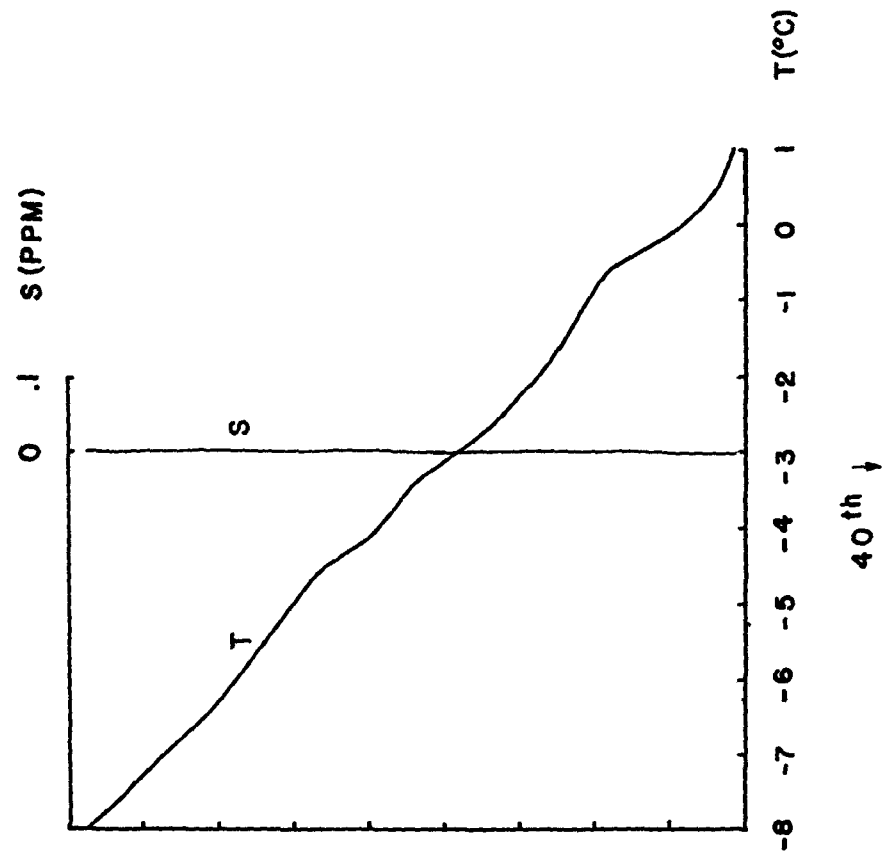
1405

1409

8 MAR 1966

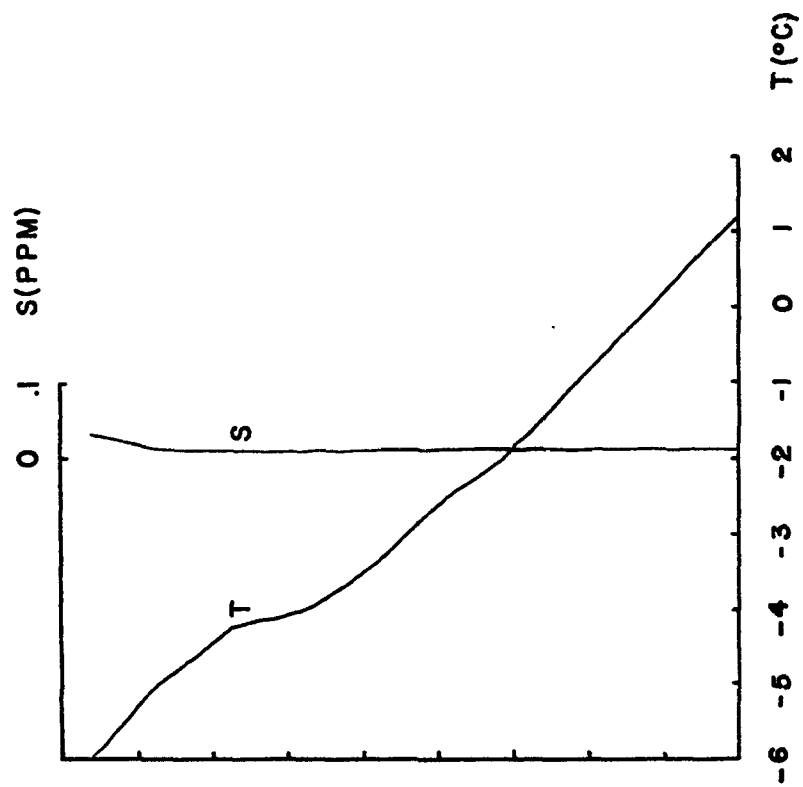


1419



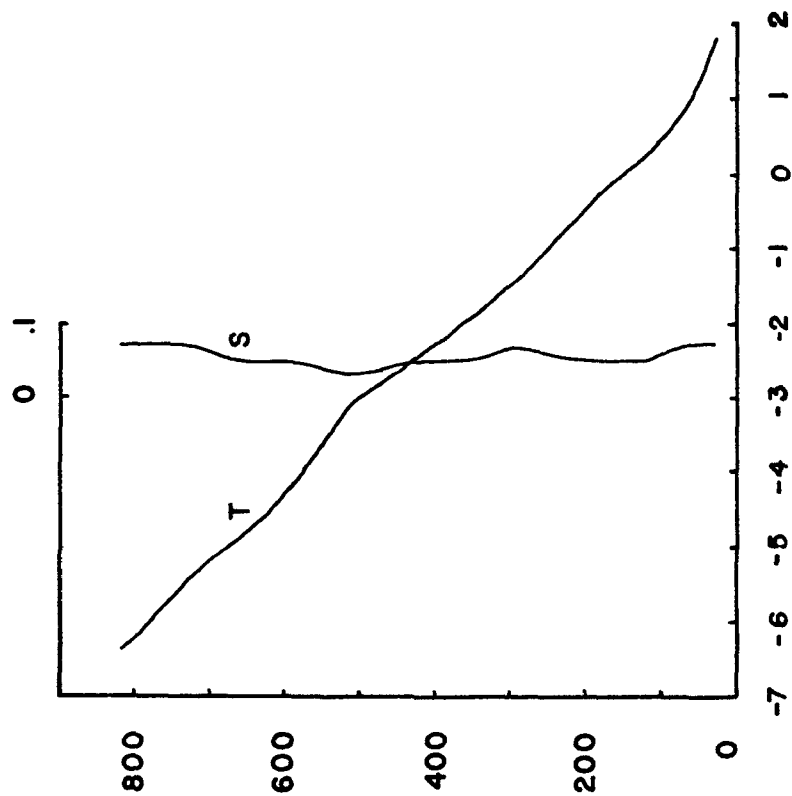
1423

8 MAR 1966



GOVERNORS
ISLAND ↑

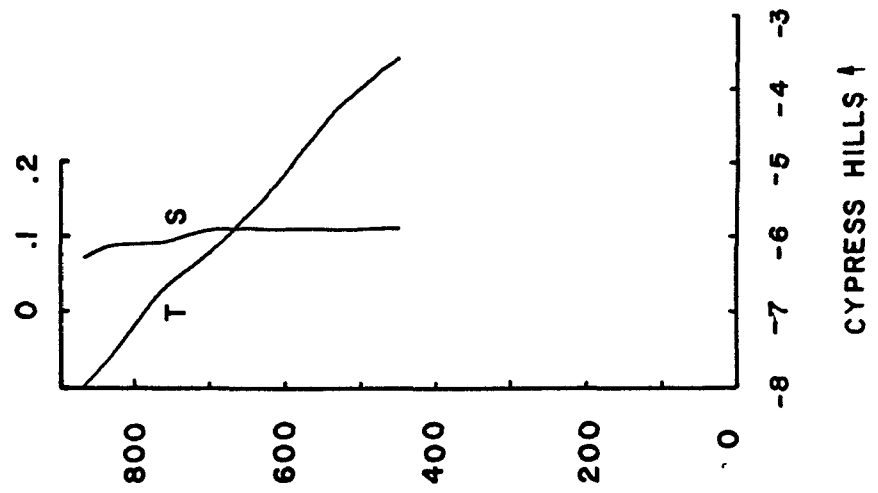
1440



ELLIS ISLAND ↑

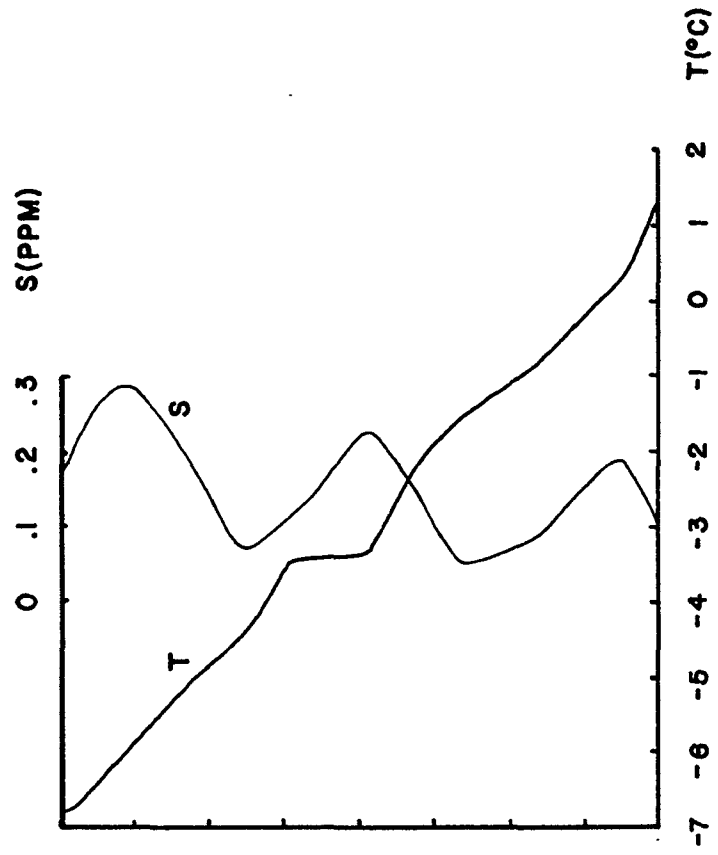
1431

8 MAR 1966



CYPRESS HILLS ↑

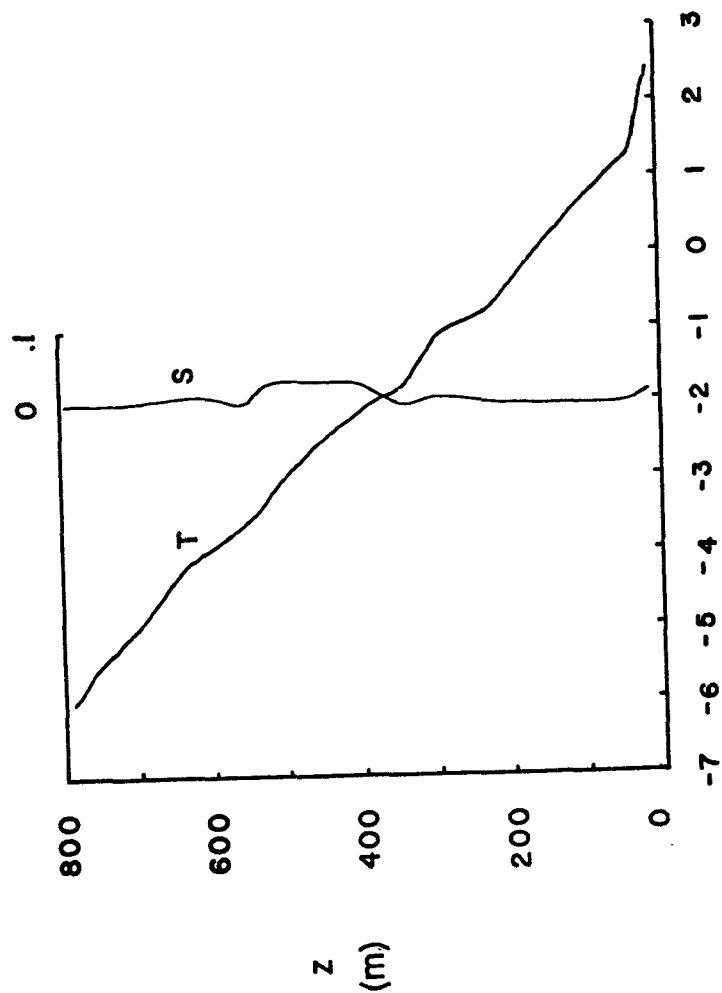
1510



CYPRESS HILLS ↑

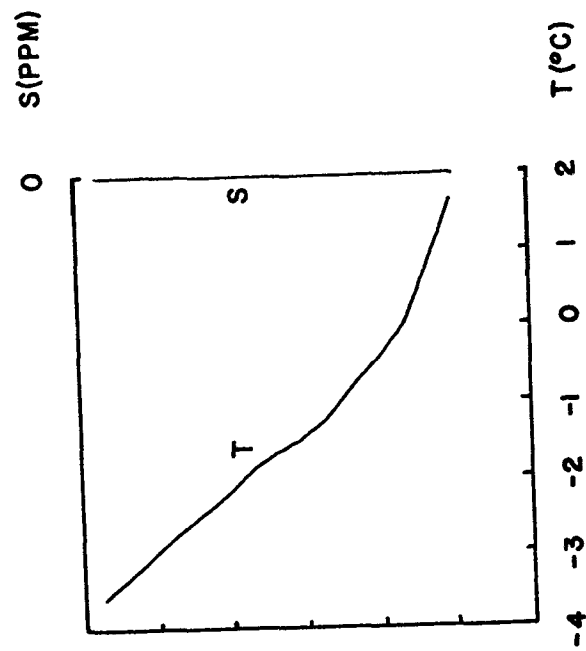
1517

8 MAR 1966



155th STREET ↑

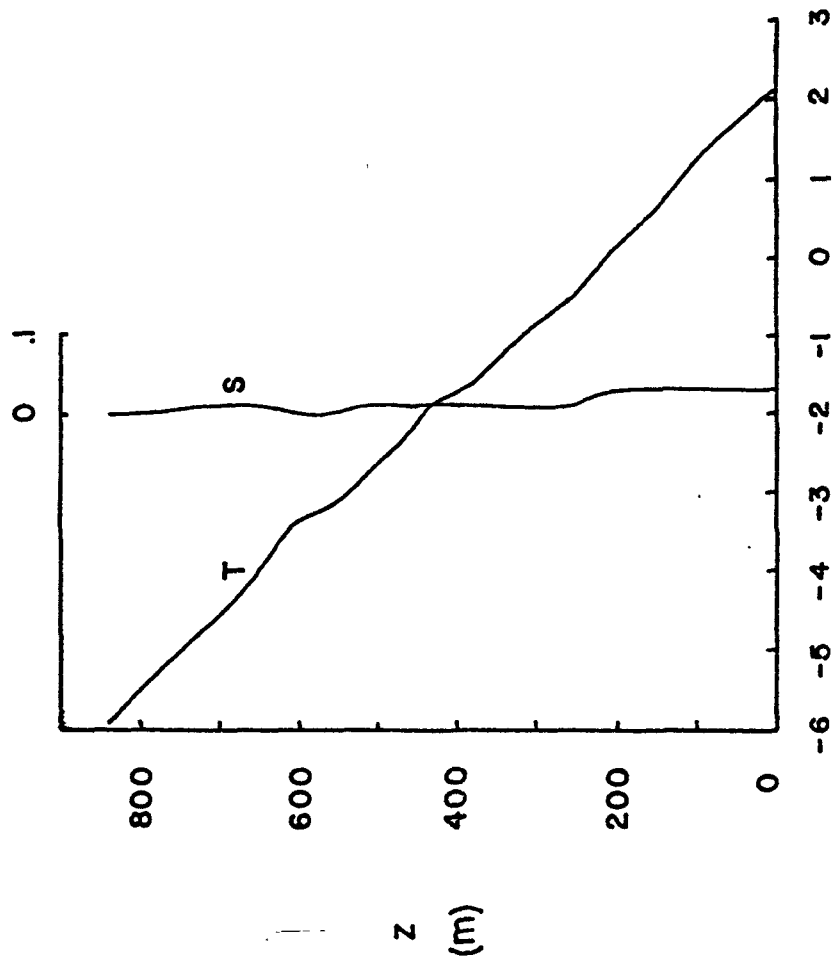
1612



FT. WASHINGTON
PARK ↓

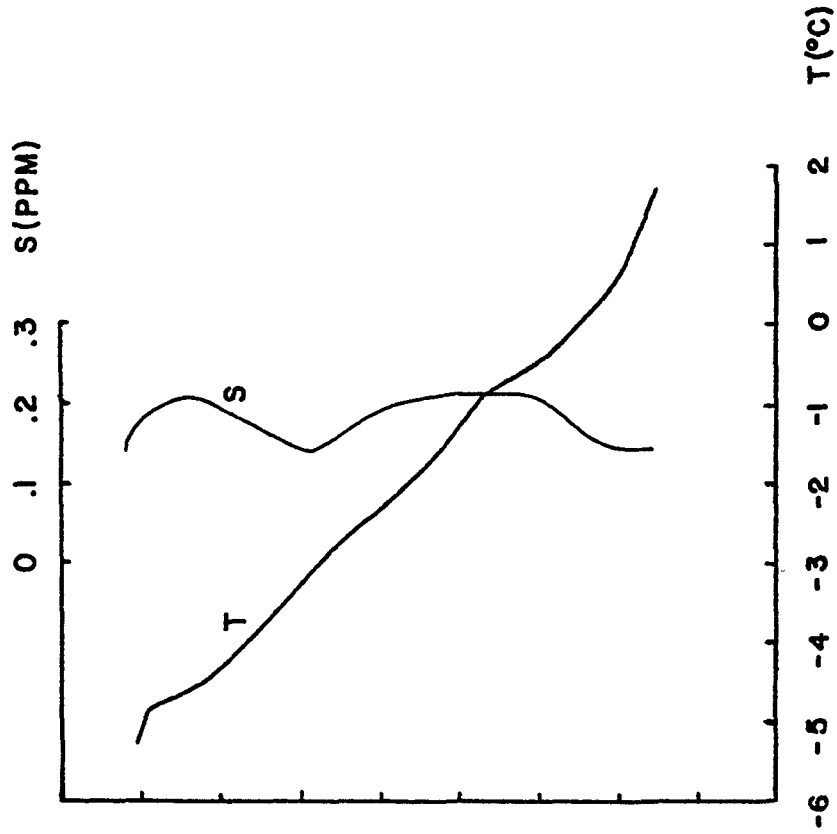
1618

8 MAR 1966



BATTERY ↑

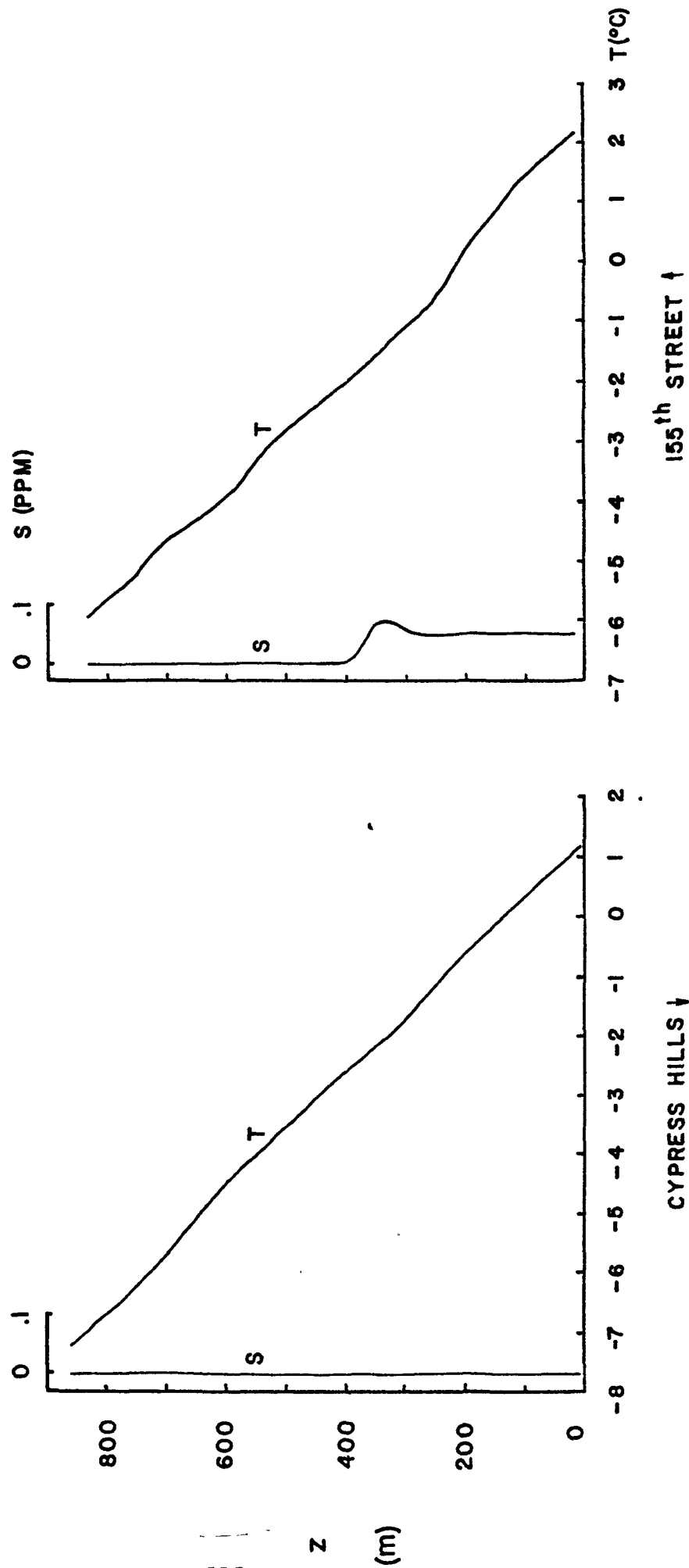
1628



EAST RIVER PARK ↑

1643

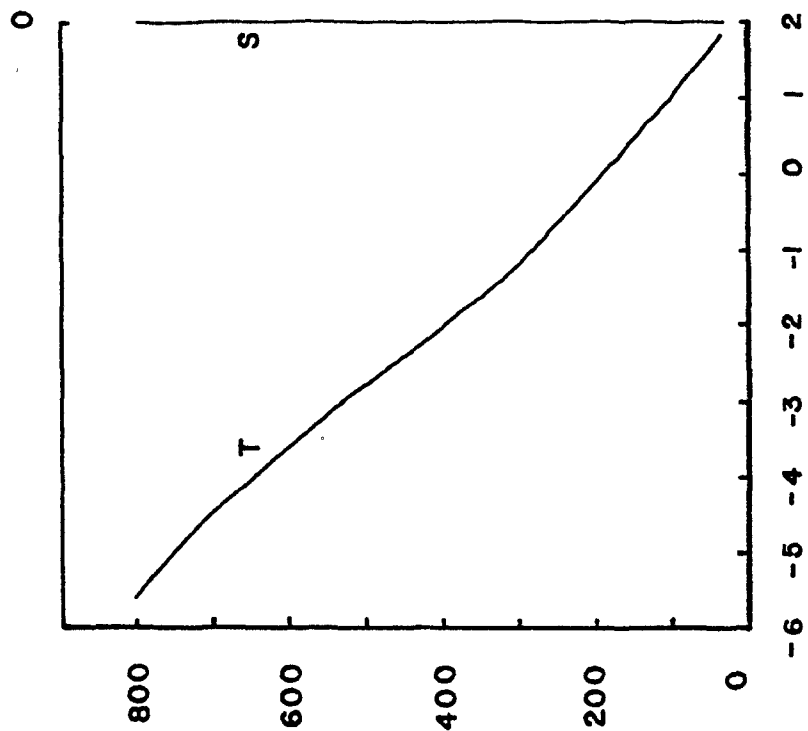
8 MAR 1966



1710

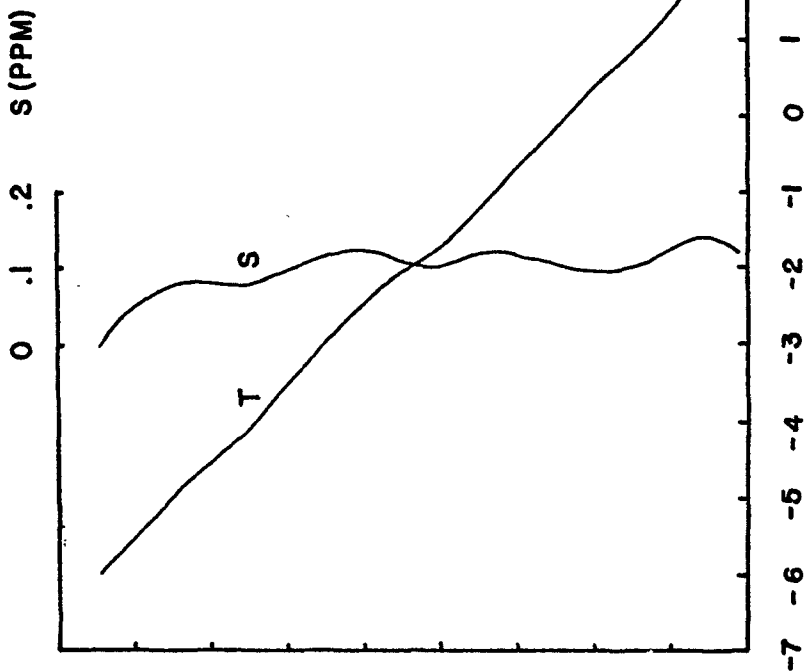
1752

8 MAR 1966



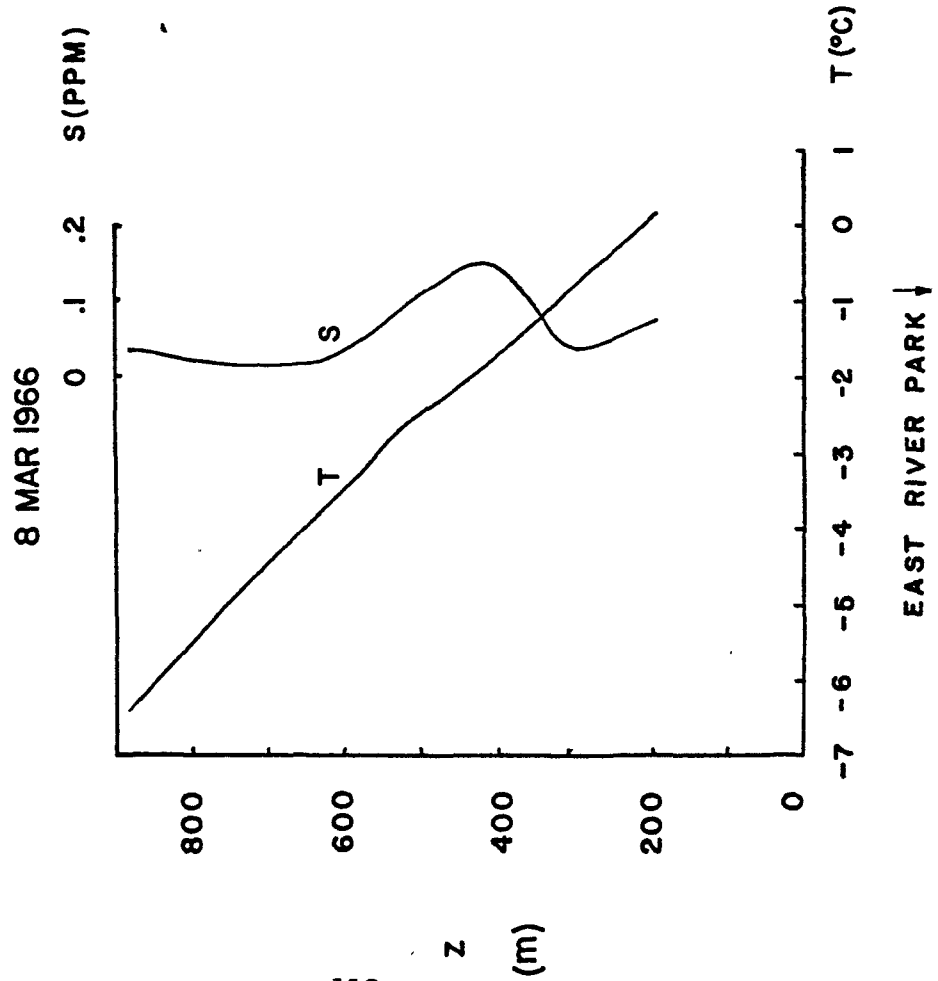
FT. WASHINGTON
PARK ↓

1756

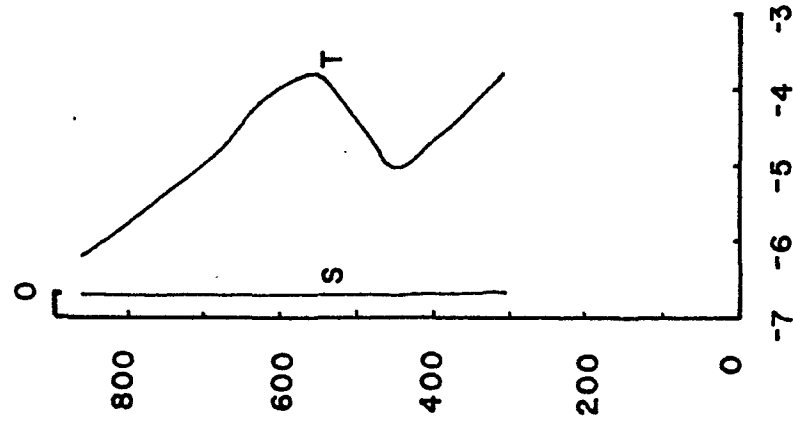


BATTERY ↓

1807

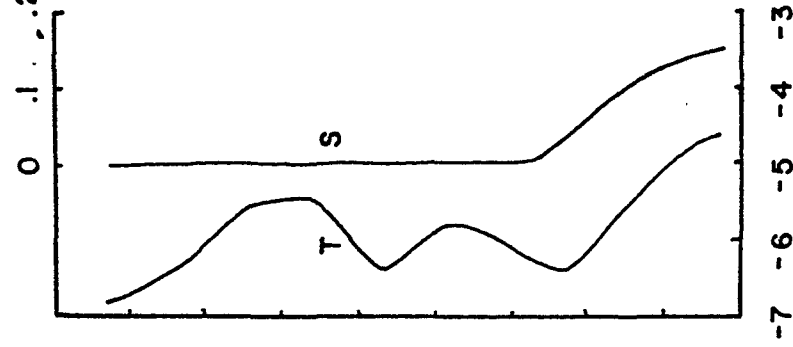


9 MAR 1966



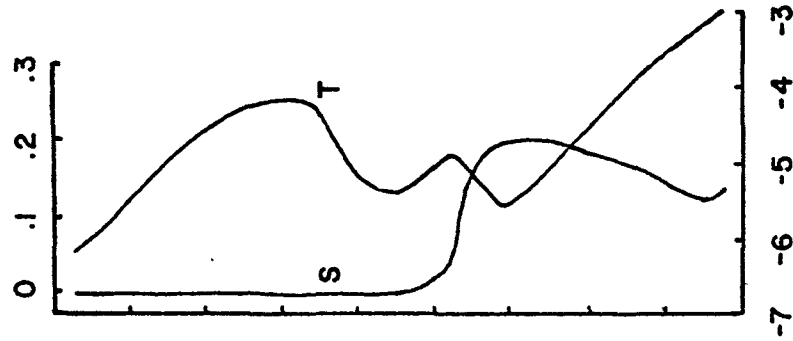
SAWMILL ↑

0702



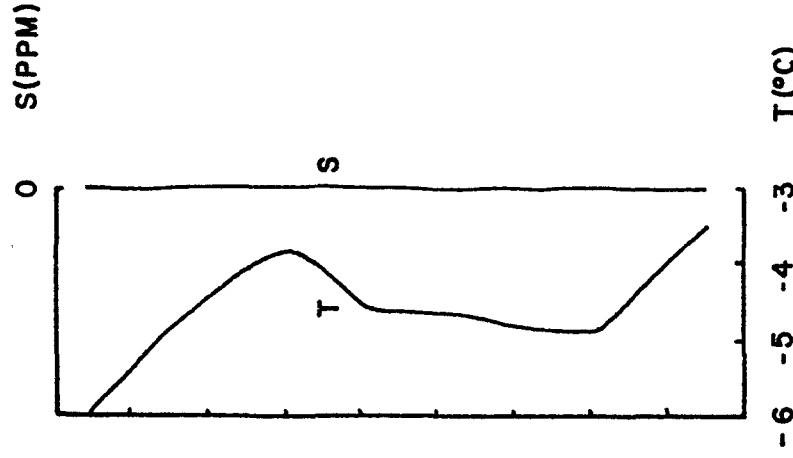
VAN CORTLAND
PARK ↓

0706



155th STREET ↓

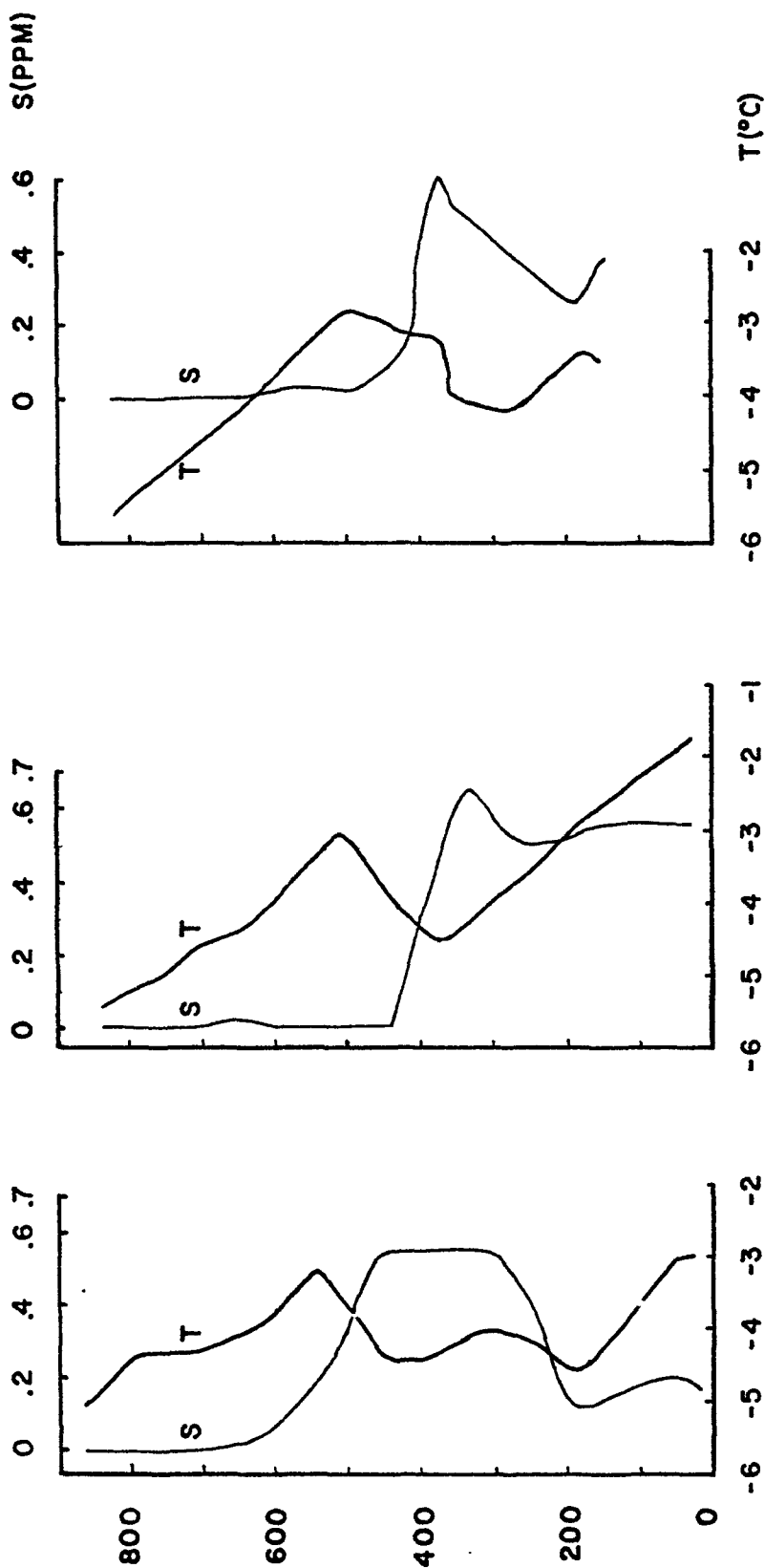
0715



FT. WASHINGTON
PARK ↓

0721

9 MAR 1966



NARROWS ↓

EAST RIVER PARK ↓

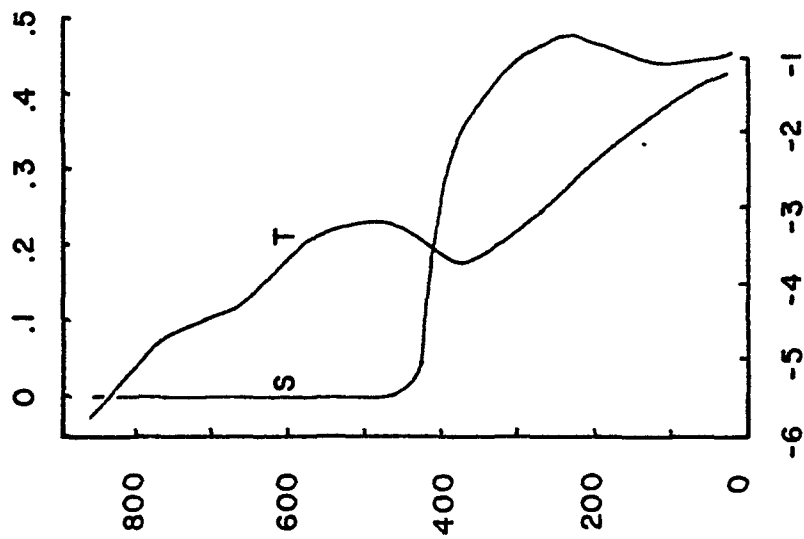
BATTERY ↑

0800

0745

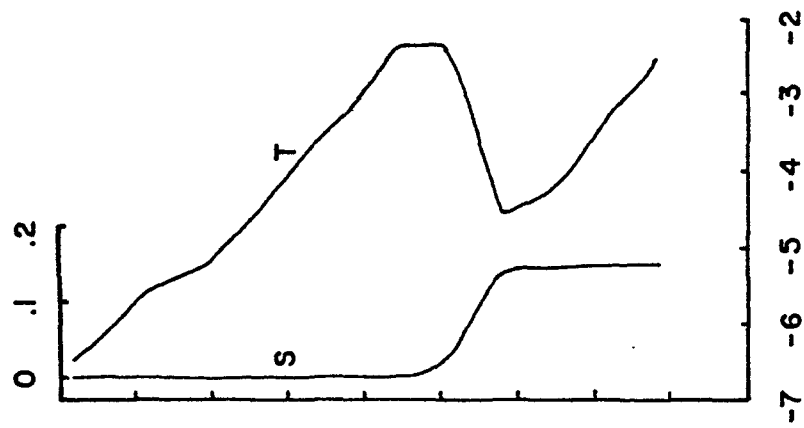
0735

9 MAR 1966



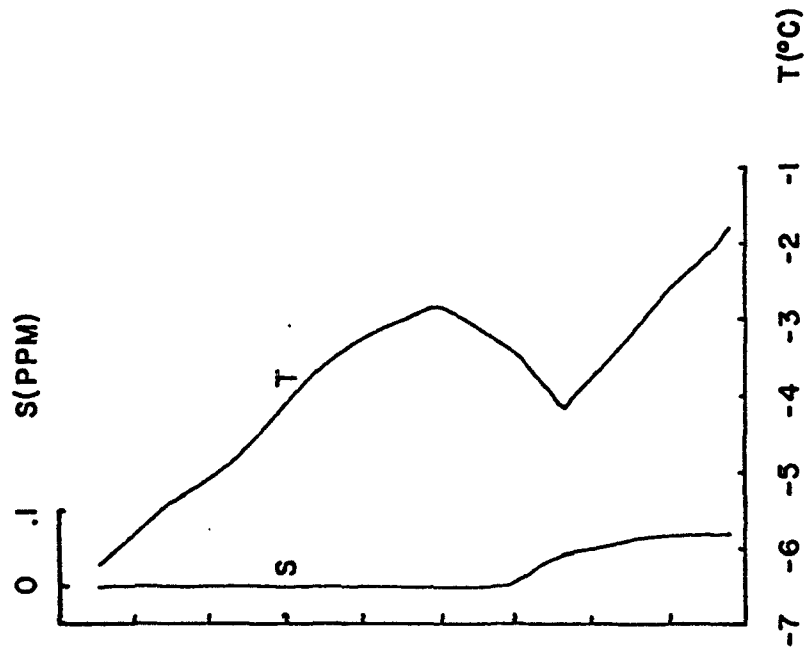
GRAVESEND BAY ↑

0805



CYPRESS HILLS ↑

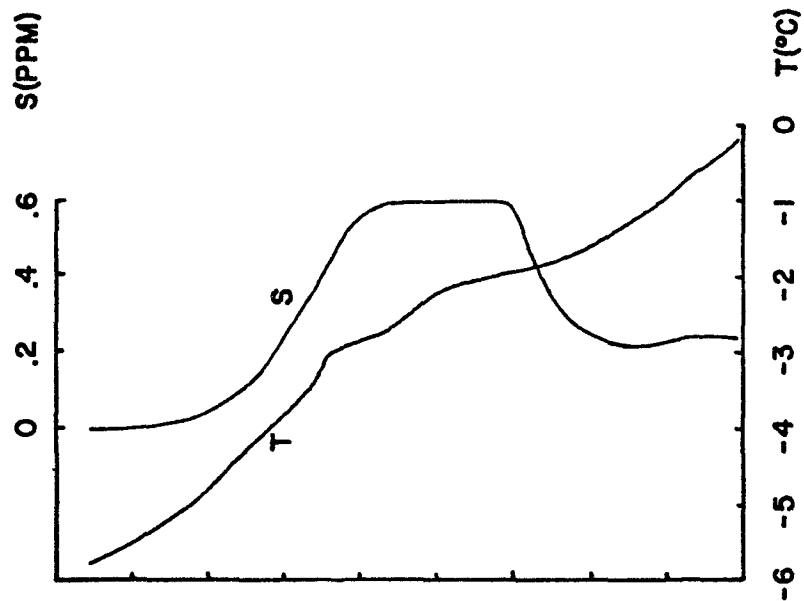
0832



CYPRESS HILLS ↑

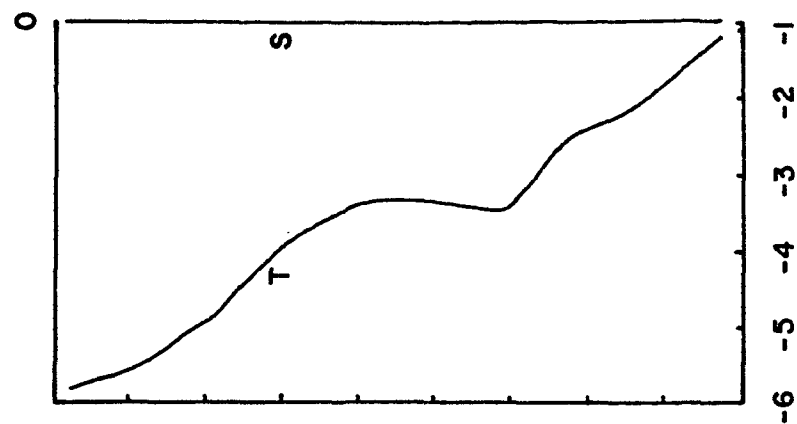
0837

9 MAR 1966



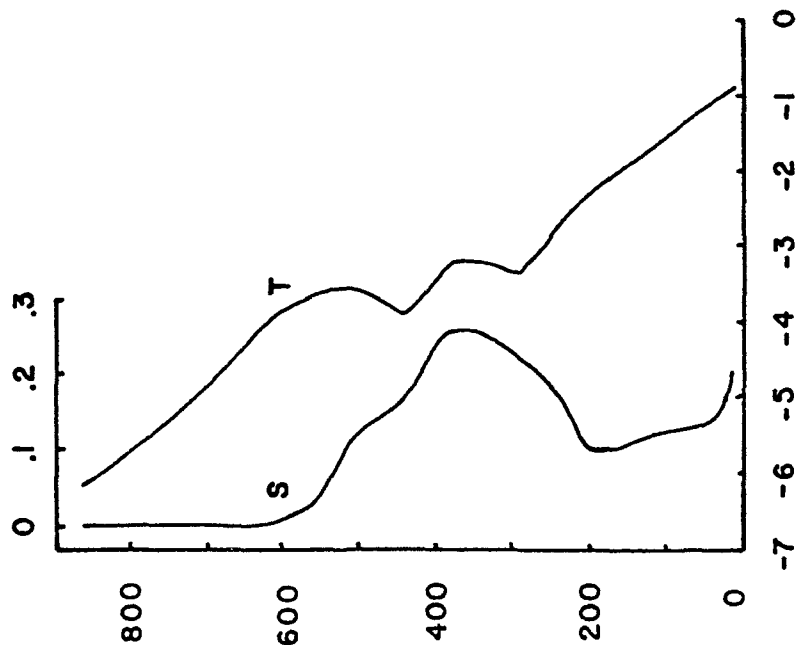
BATTERY ↑

1003



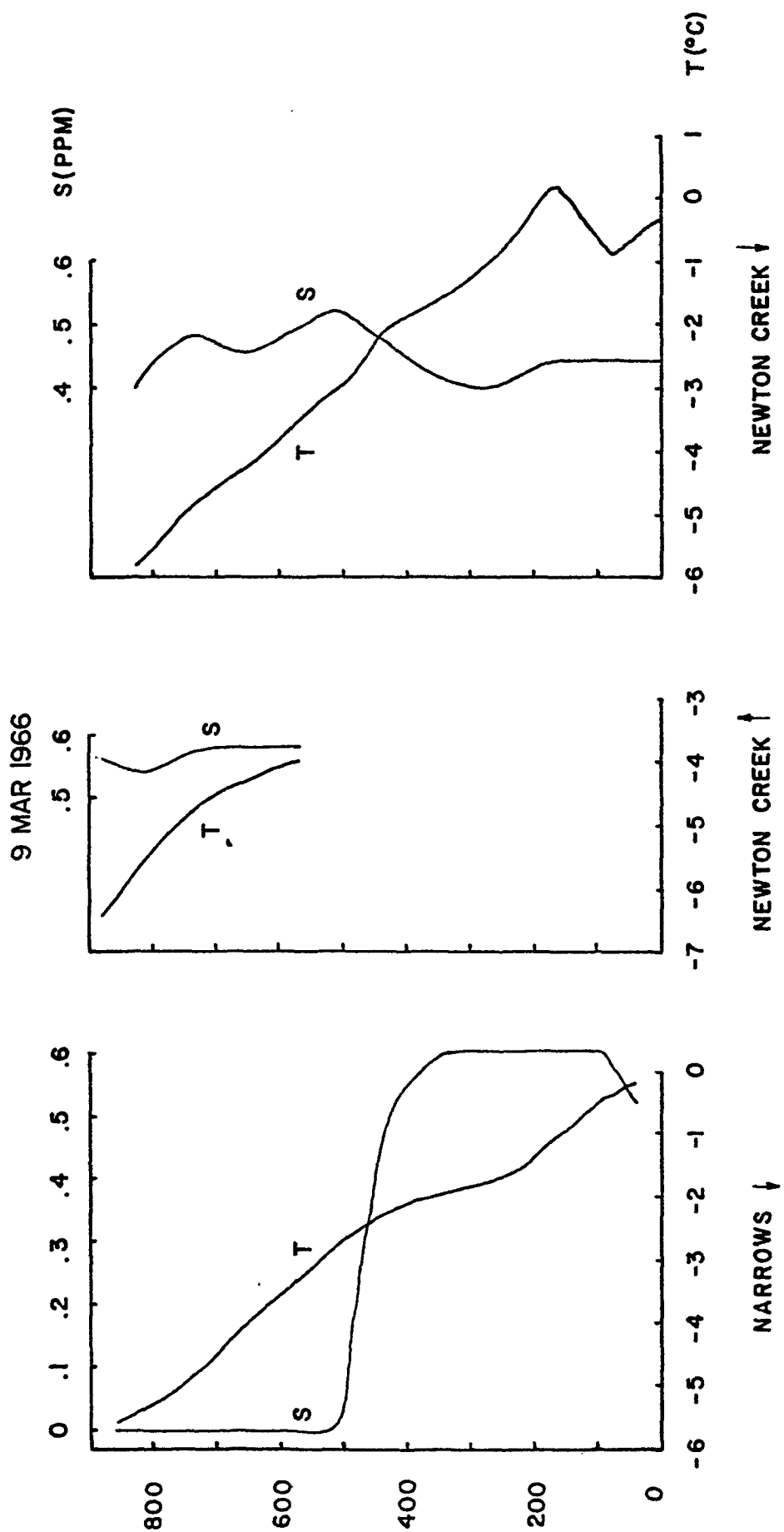
FT. WASHINGTON
PARK ↑

0949



155th STREET ↑

0941

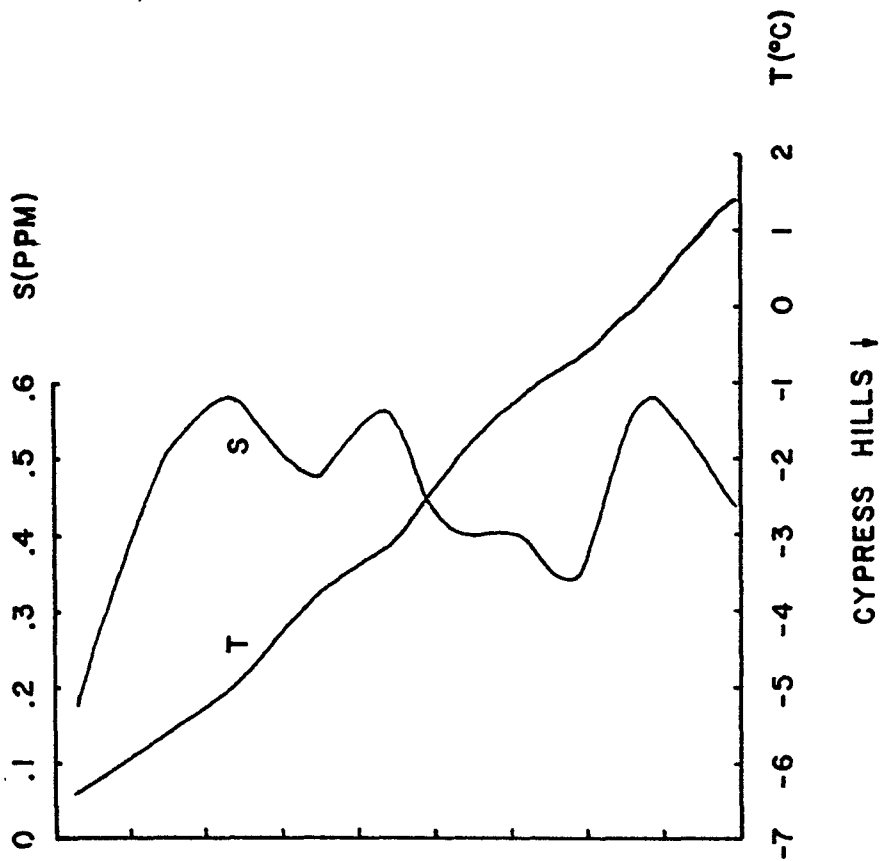


1015

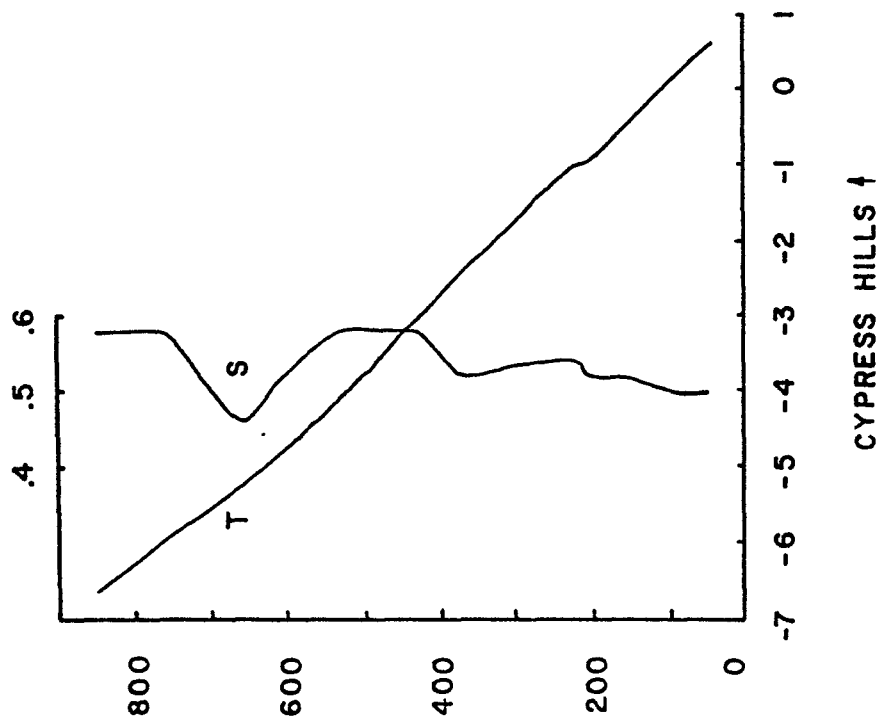
1038

1042

9 MAR 1966

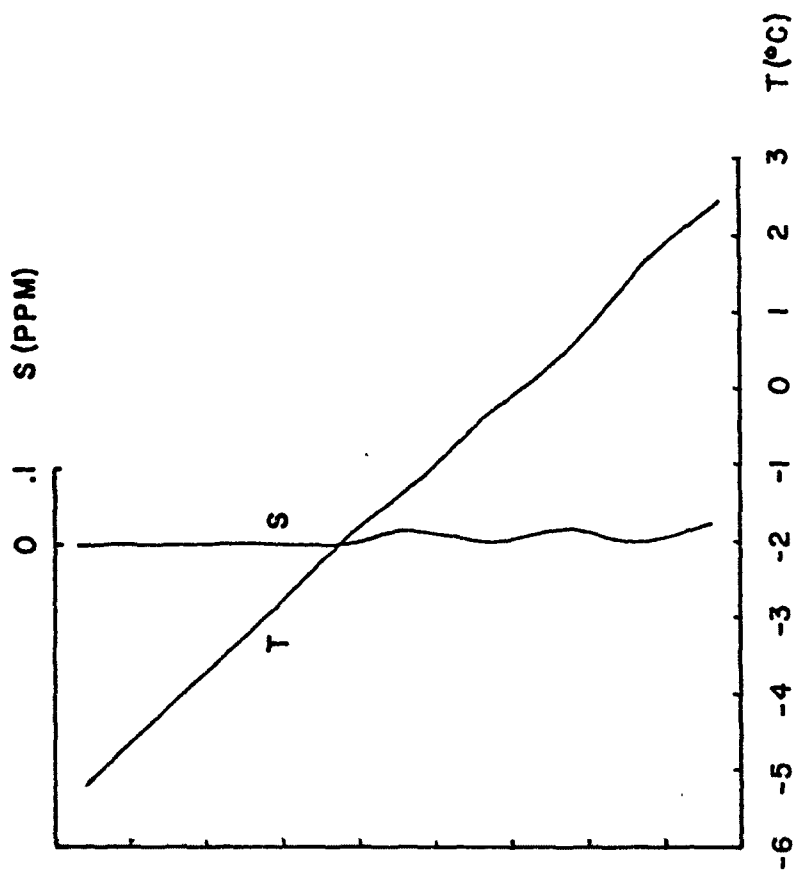


1057



1049

9 MAR 1966



155th STREET ↑

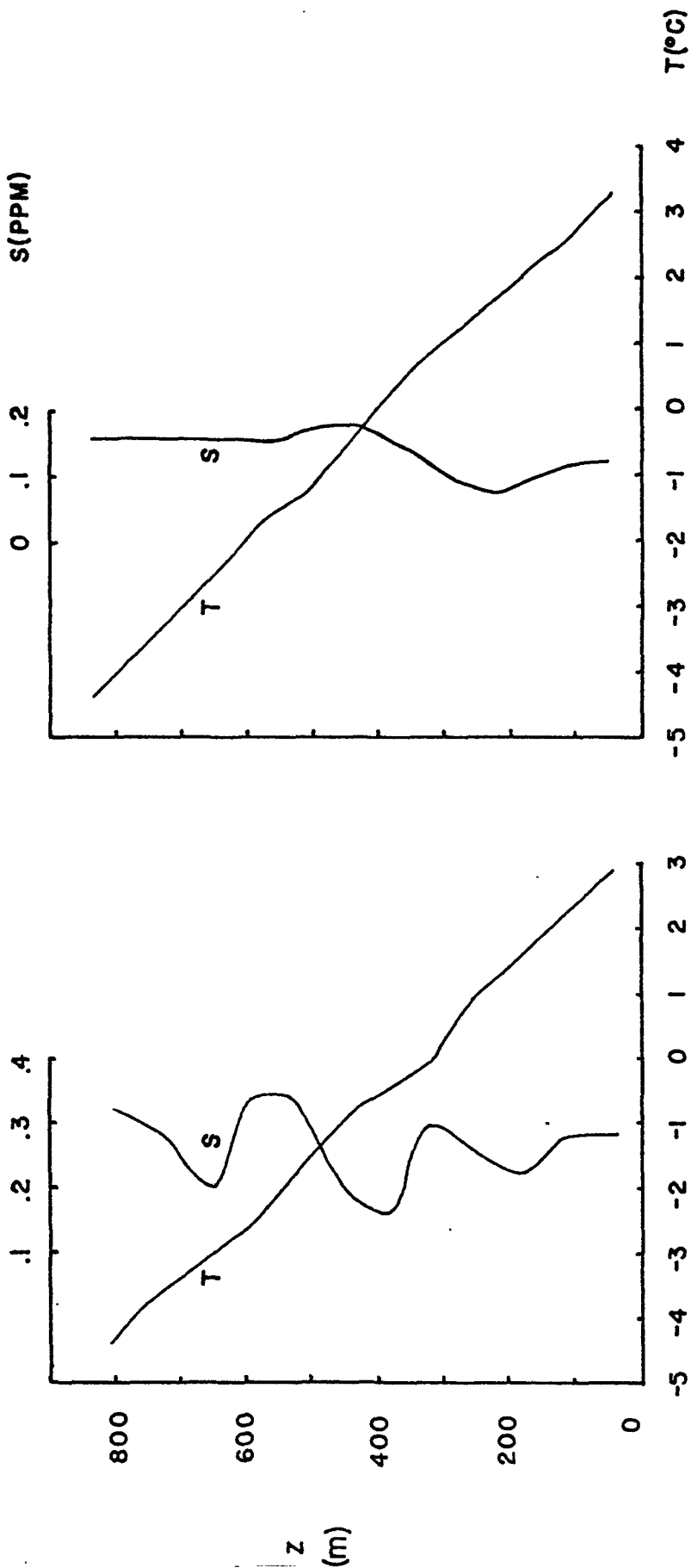
1156

FT. WASHINGTON

PARK ↑

1203

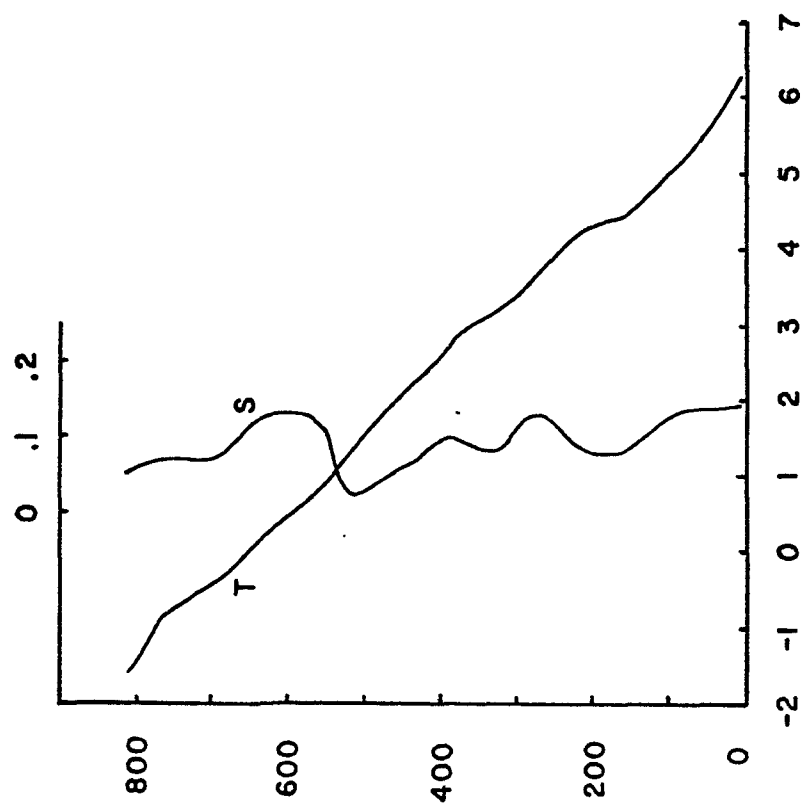
9 MAR 1966



1219

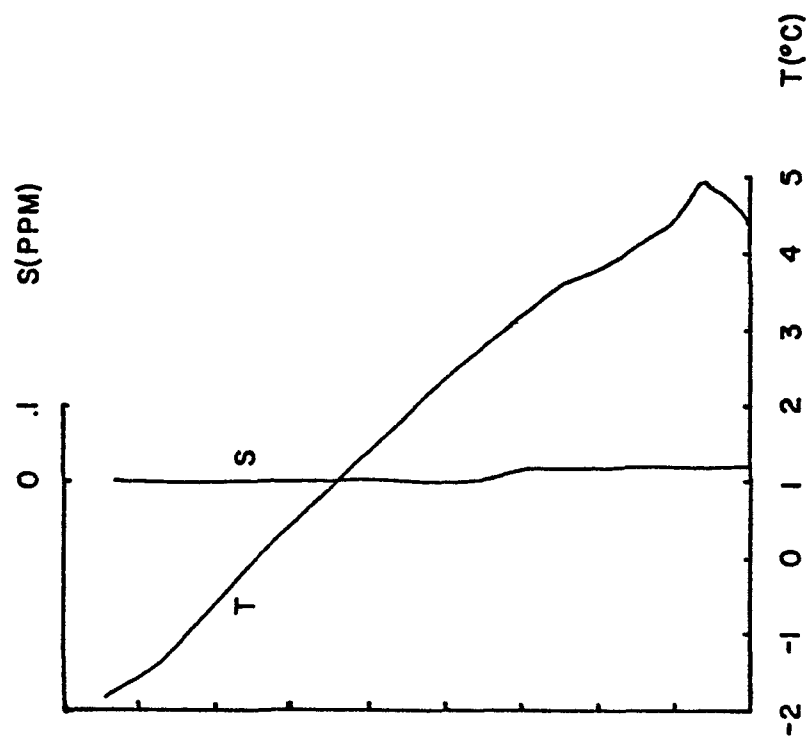
1226

9 MAR 1966



155th STREET ↓

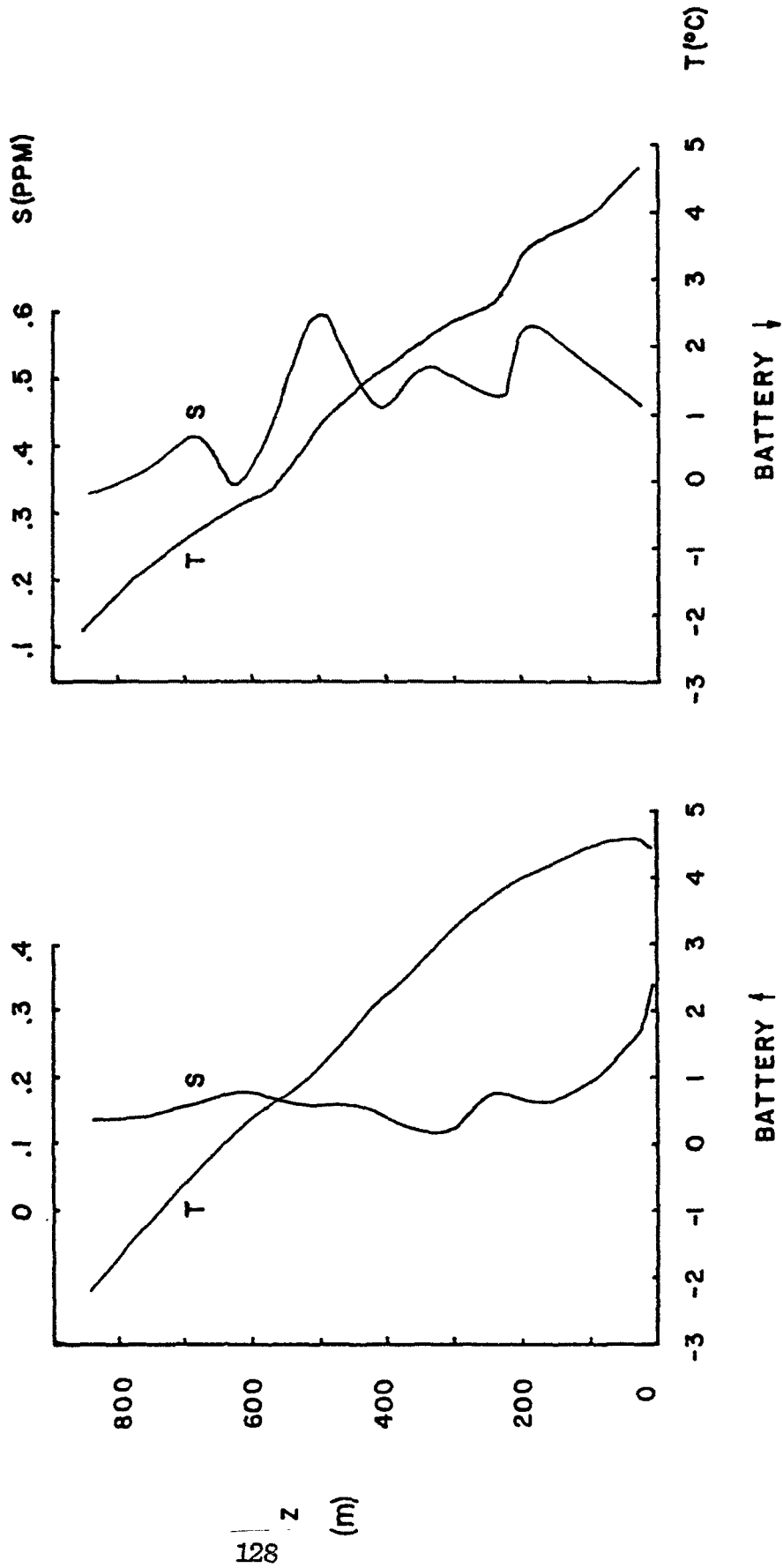
1734



FT. WASHINGTON
PARK ↓

1741

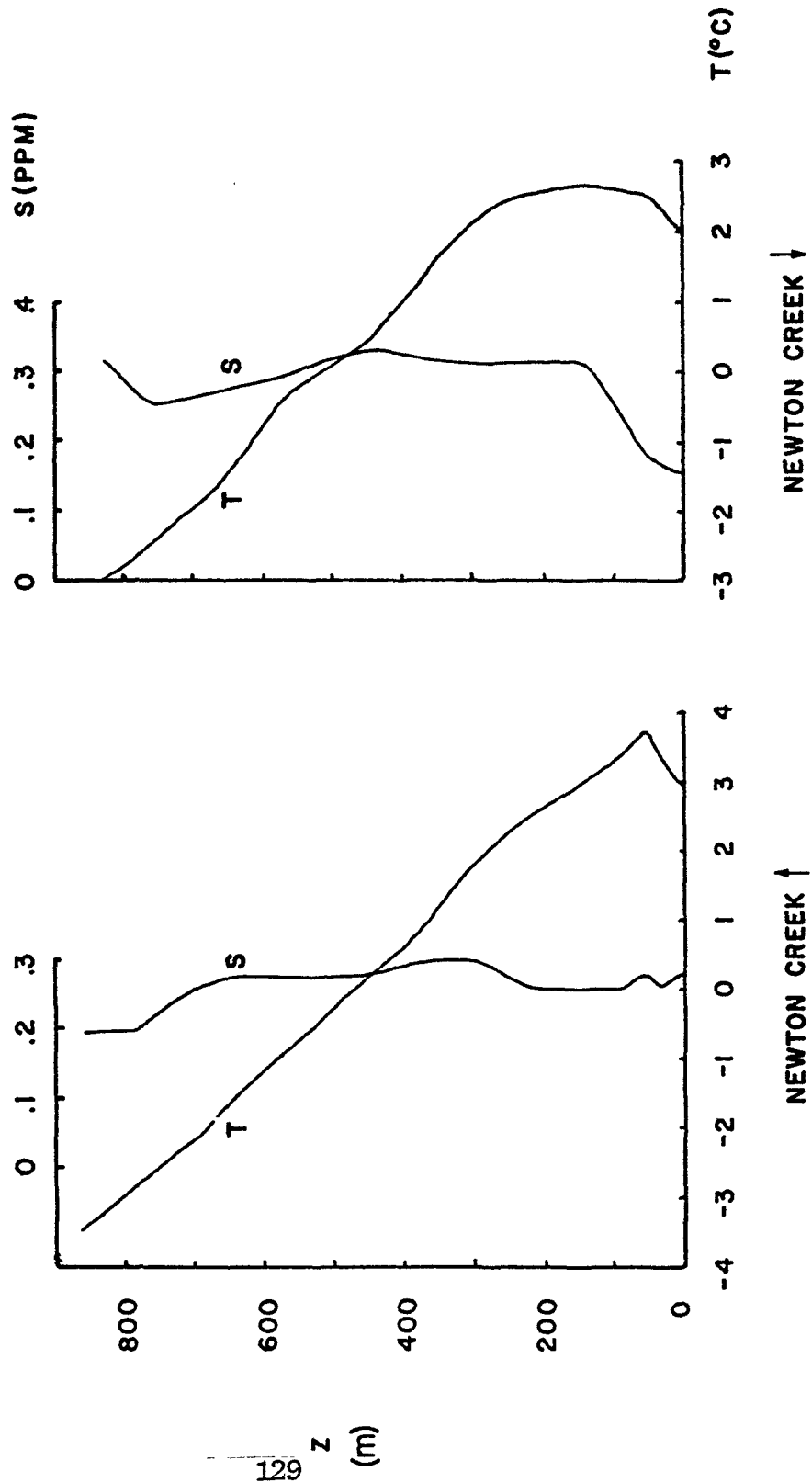
9 MAR 1966



1755

1805

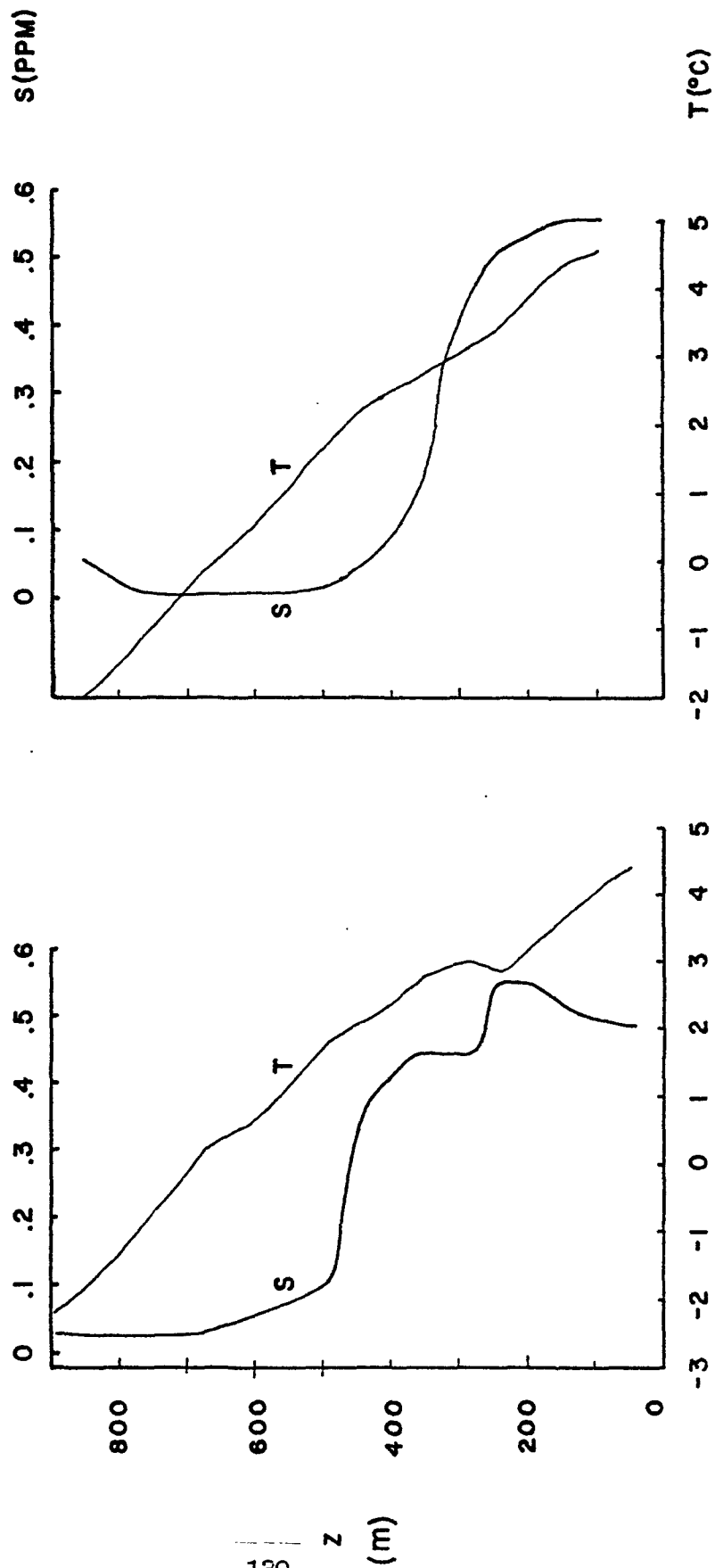
9 MAR 1966



1824

1831

9 MAR 1966



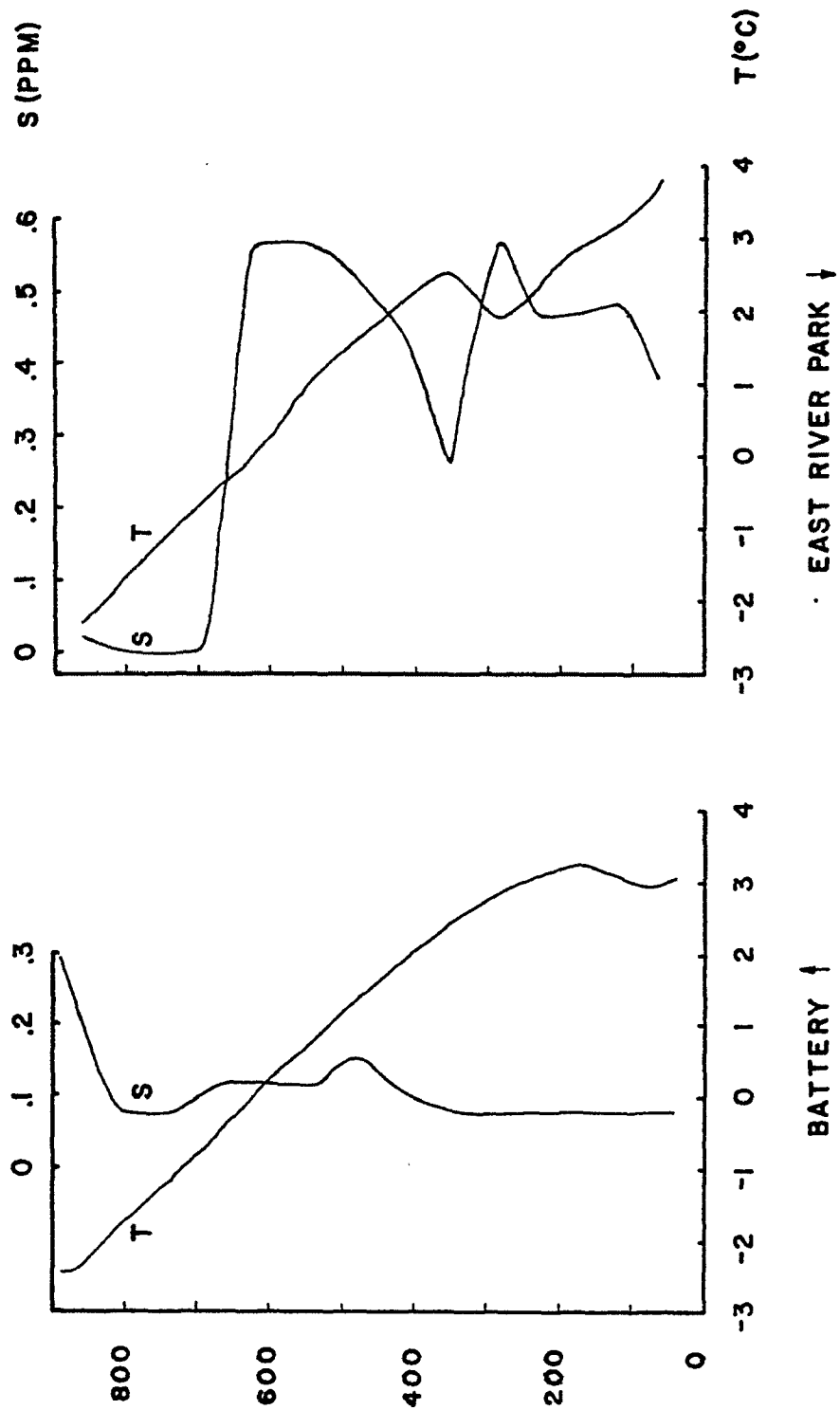
155th STREET ↑

FT. WASHINGTON
PARK ↓

1920

1927

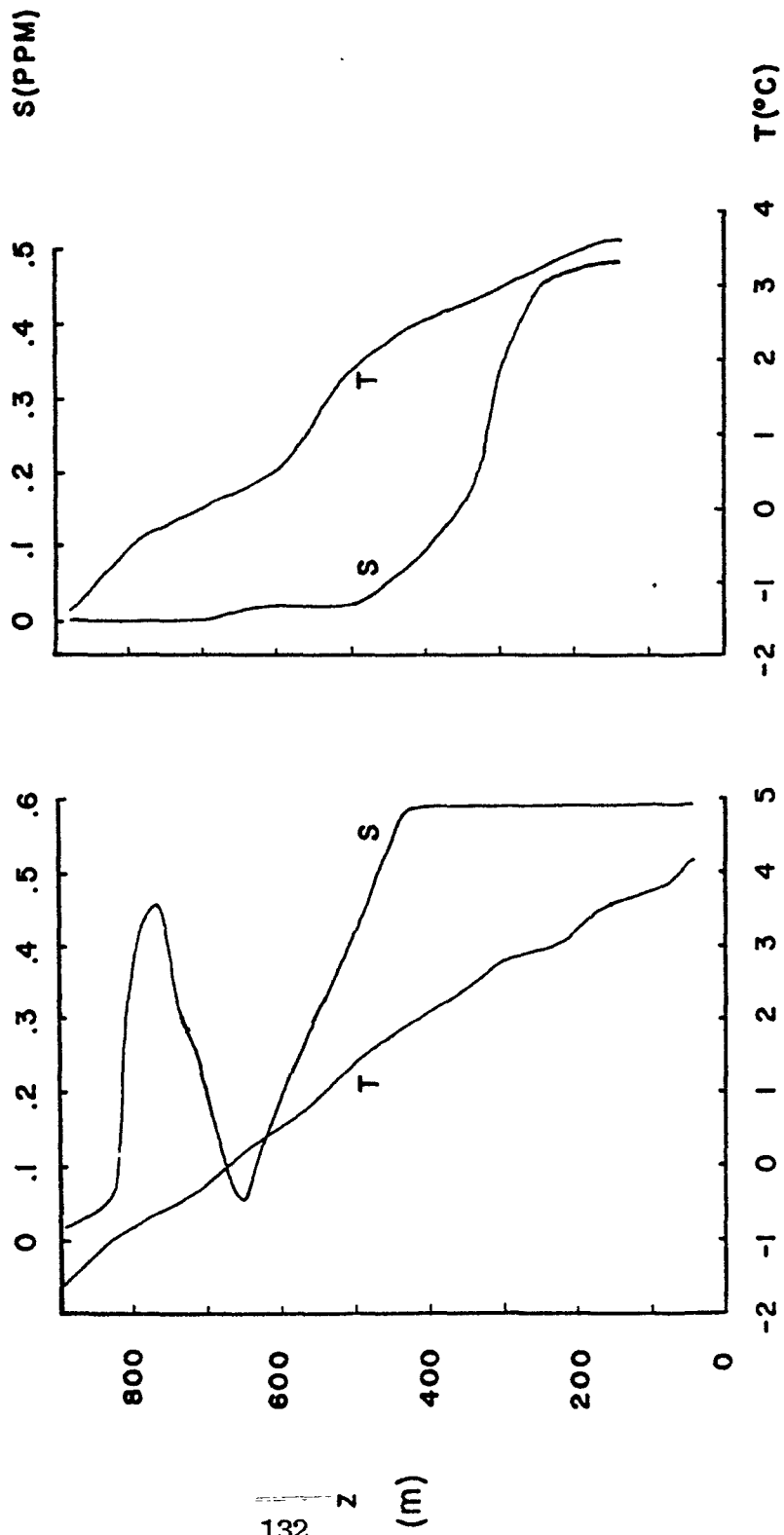
9 MAR 1966



1944

1952

9 MAR 1966



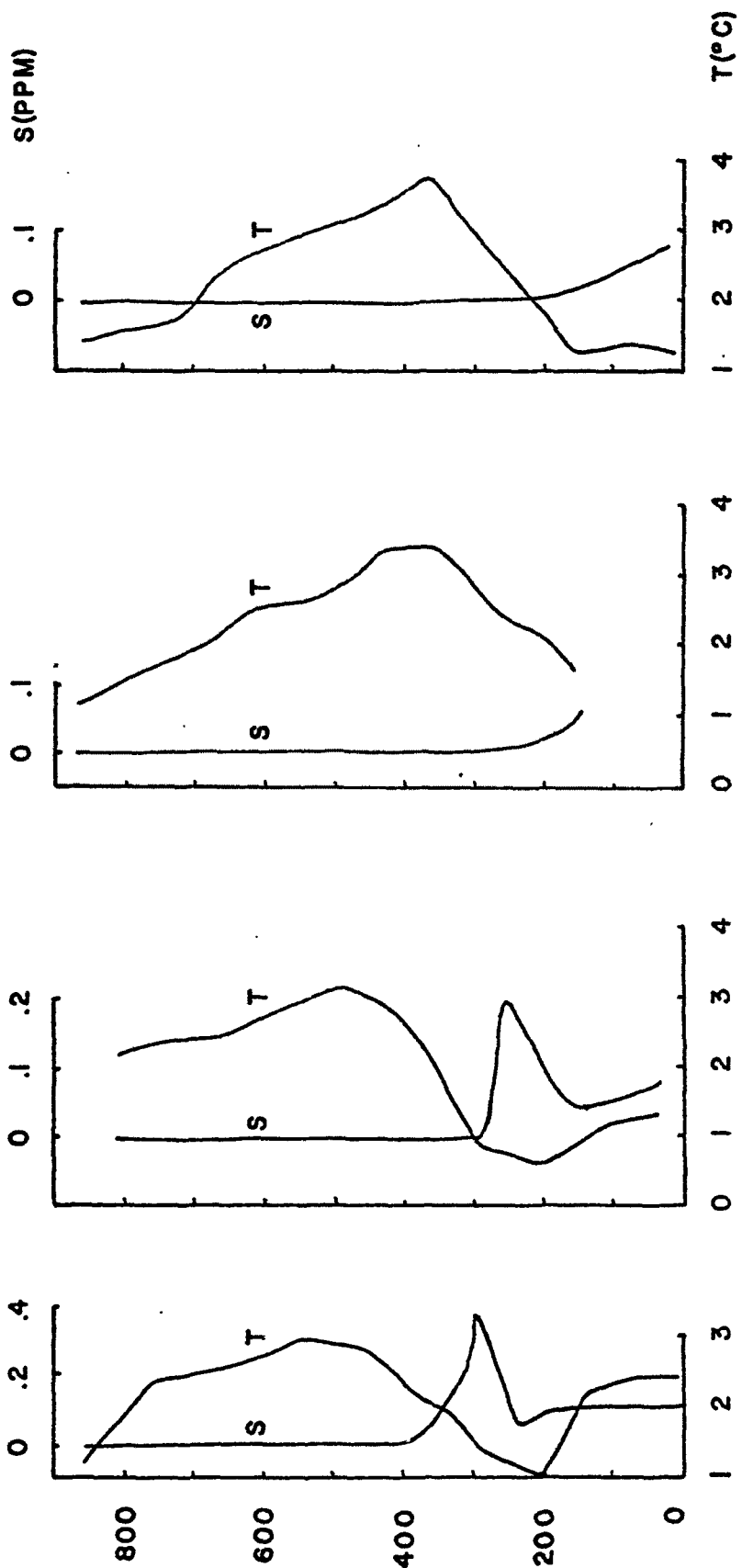
155th STREET $\uparrow$

2004

VAN CORTLAND
PARK $\uparrow$

2014

10 MAR 1966



155th STREET ↑

0716

FT. WASHINGTON
PARK ↓

0721

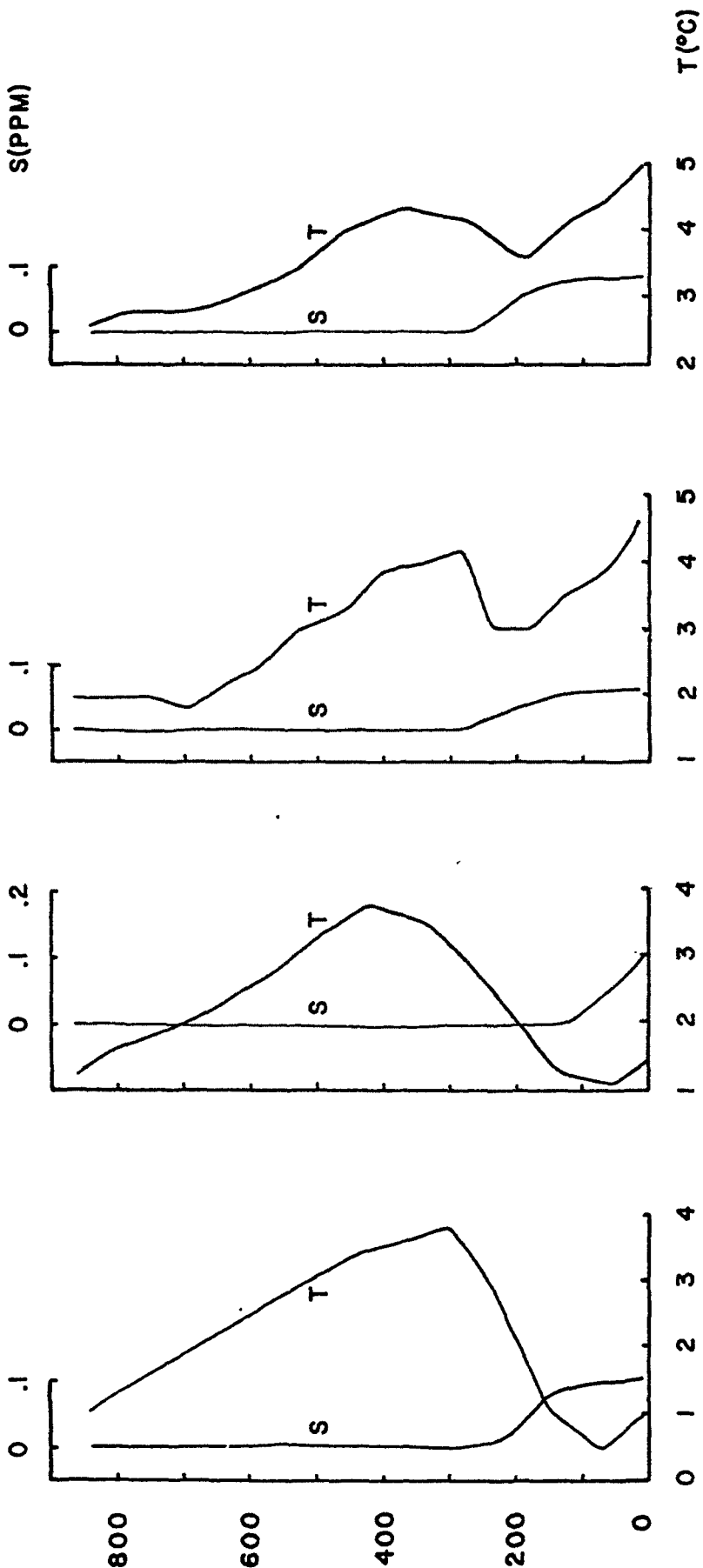
40th ↑

0733

40th ↓

0737

10 MAR 1966



ELLIS ISLAND ↑

0748

GOVERNORS ISLAND ↓

0754

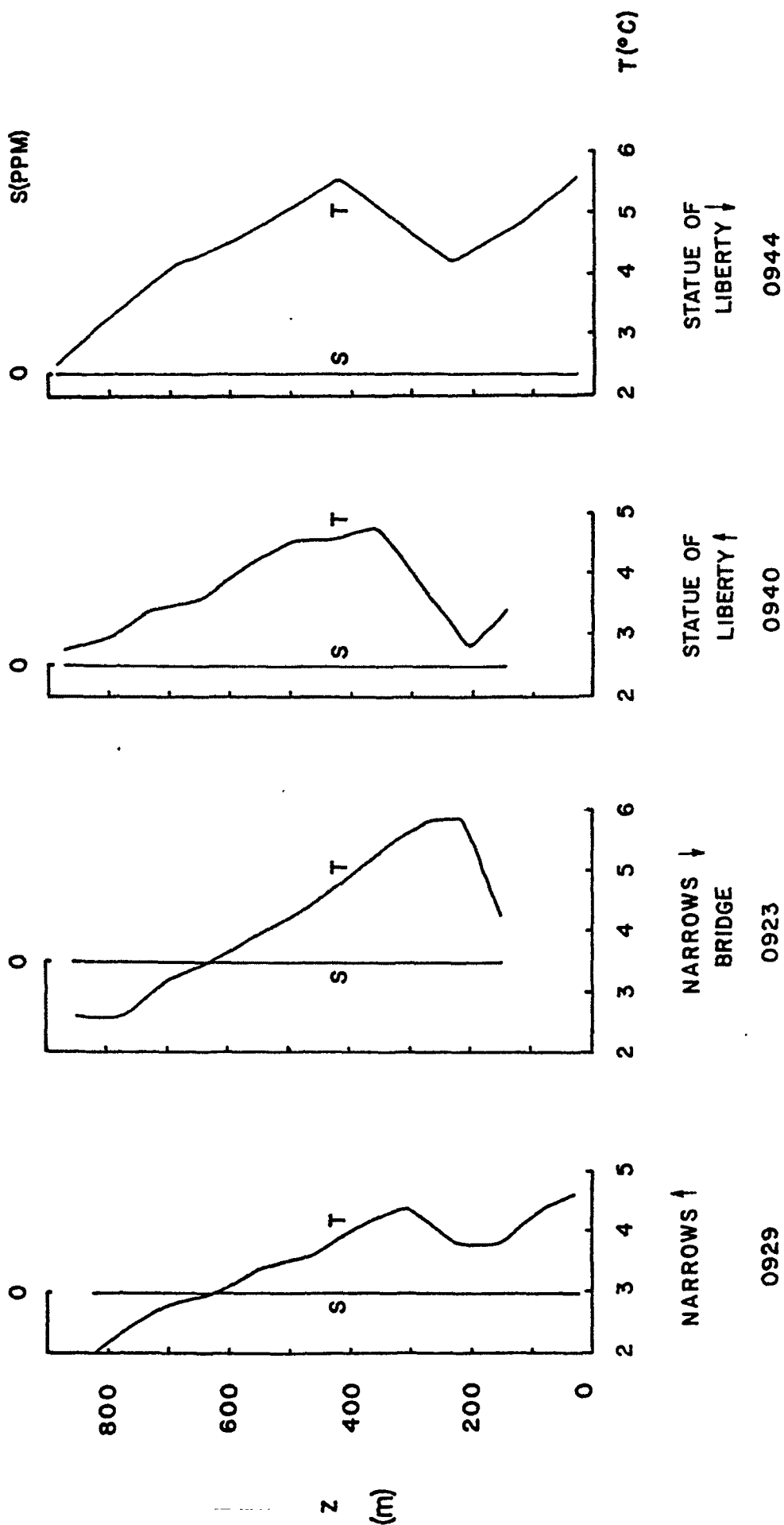
CYPRESS HILLS ↑

0906

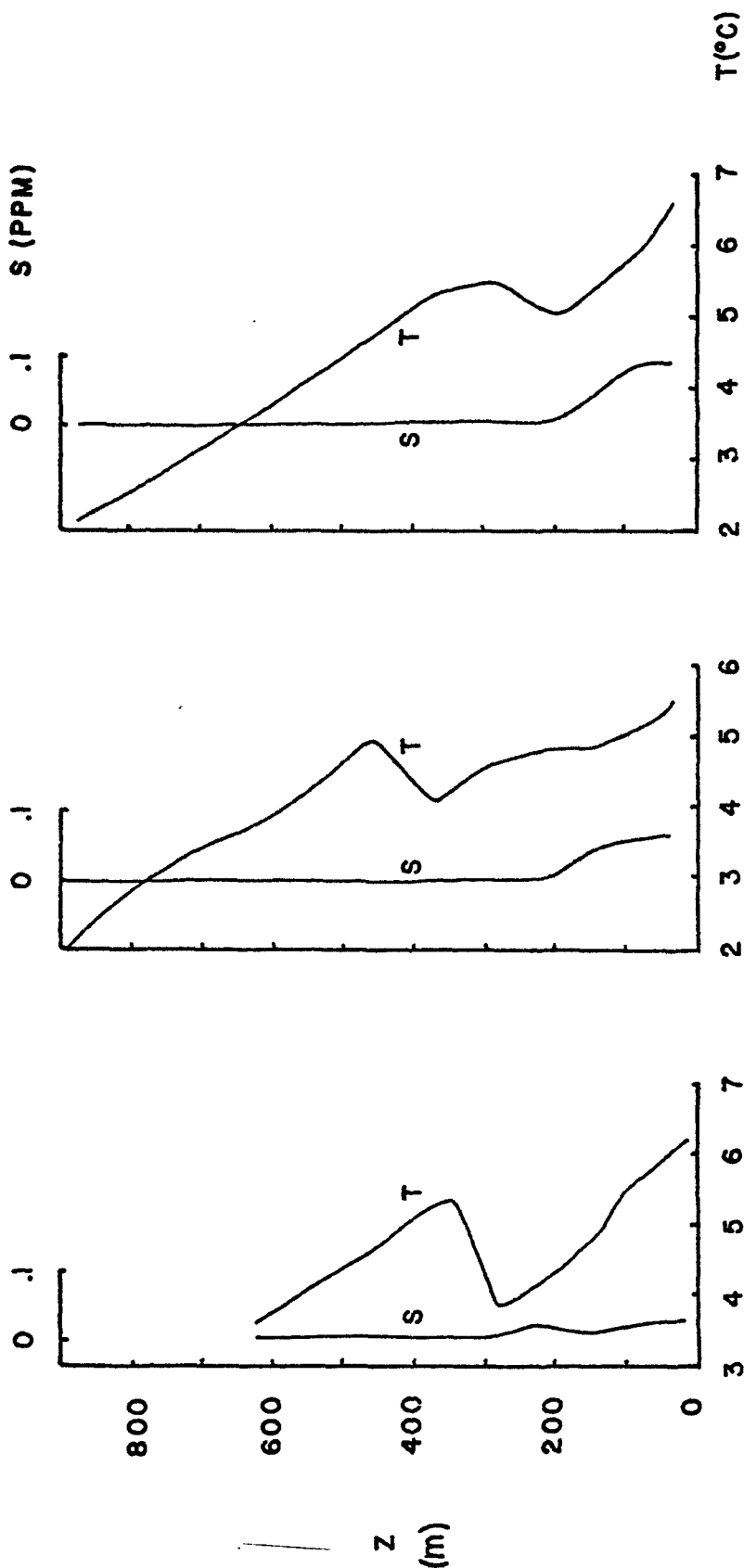
CYPRESS HILLS ↓

0915

10 MAR 1966



10 MAR 1966



155th STREET ↓

1006

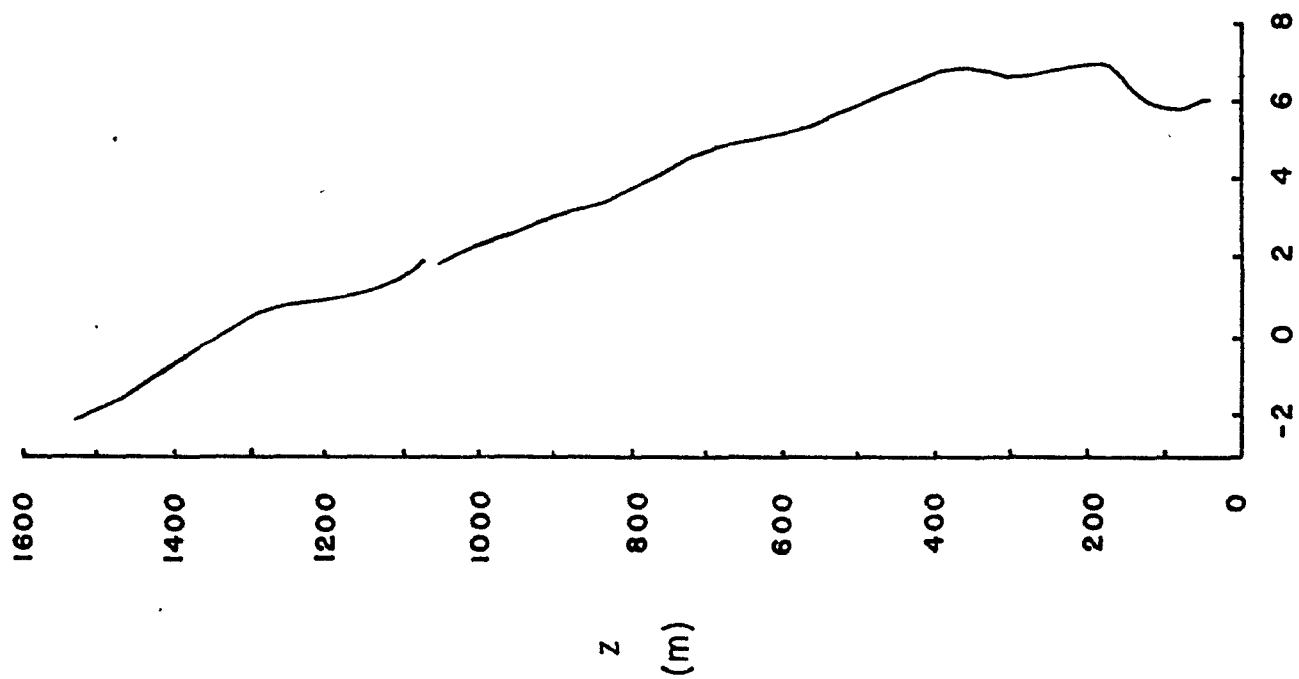
FT. WASHINGTON
PARK ↑

1002

40th NJ ↑

0953

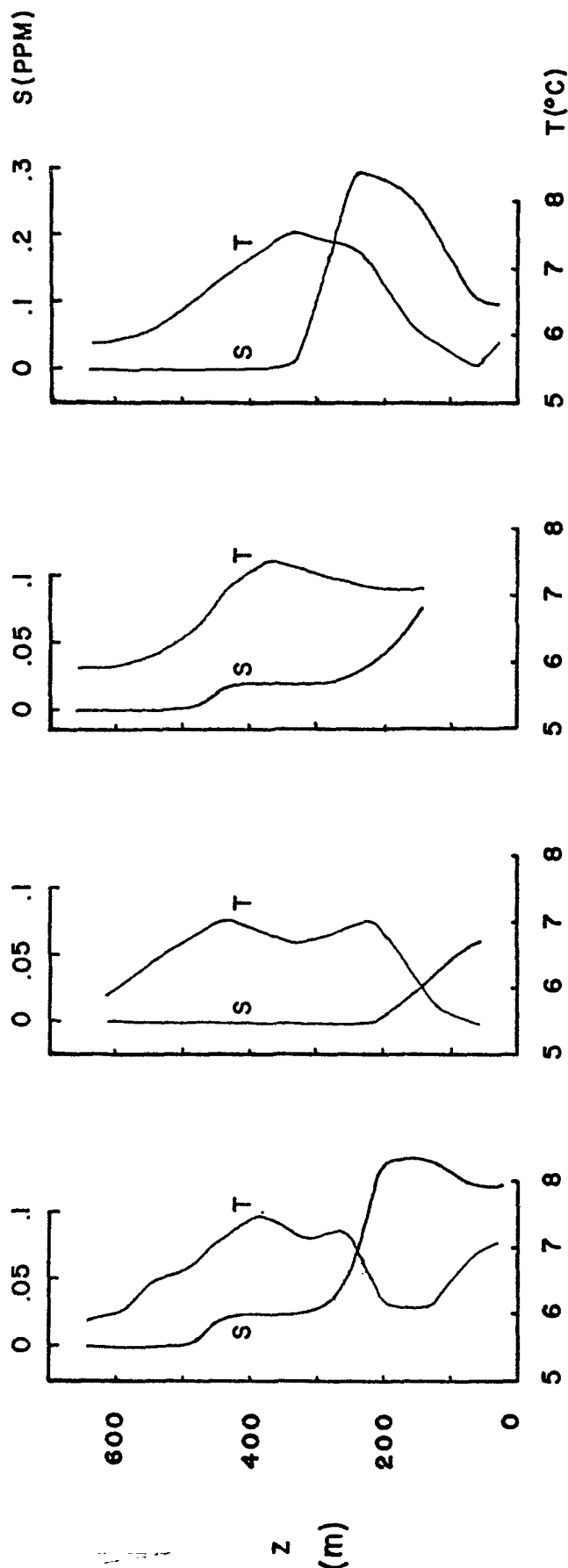
11 MAR 1966



VALRAY STREET ↓

0700

11 MAR 1966



155th STREET ↑

FT. WASHINGTON
PARK ↓

40th ↑

40th ↓

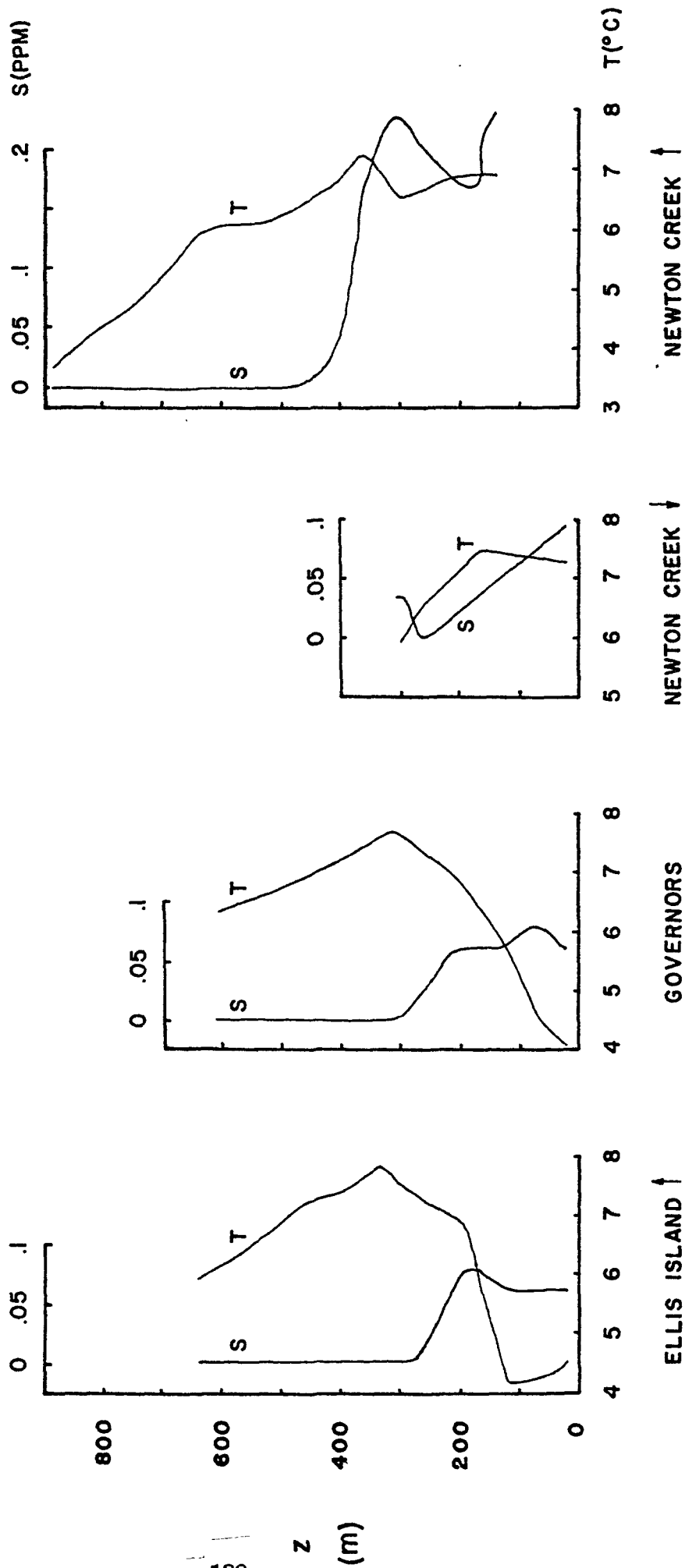
0707

0711

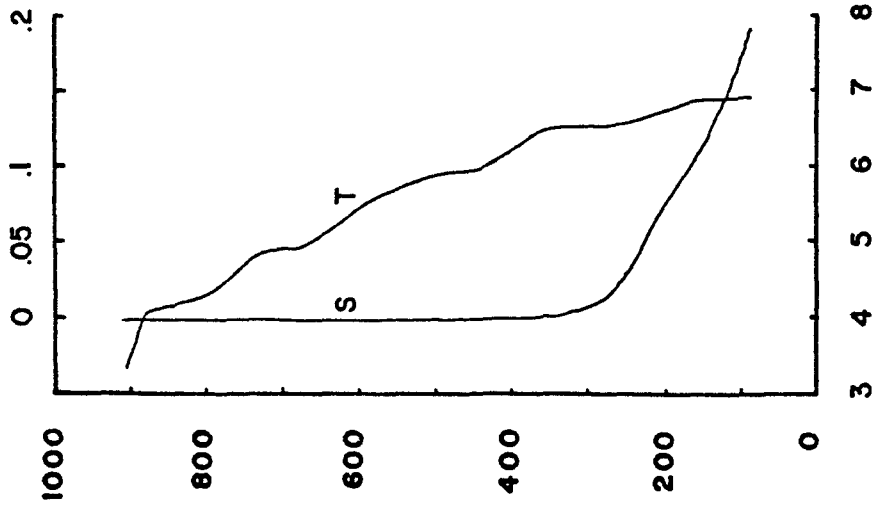
0719

0722

11 MAR 1966

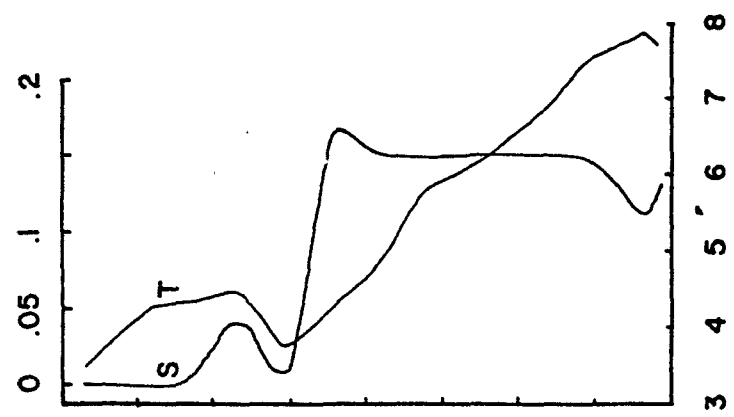


11 MAR 1966



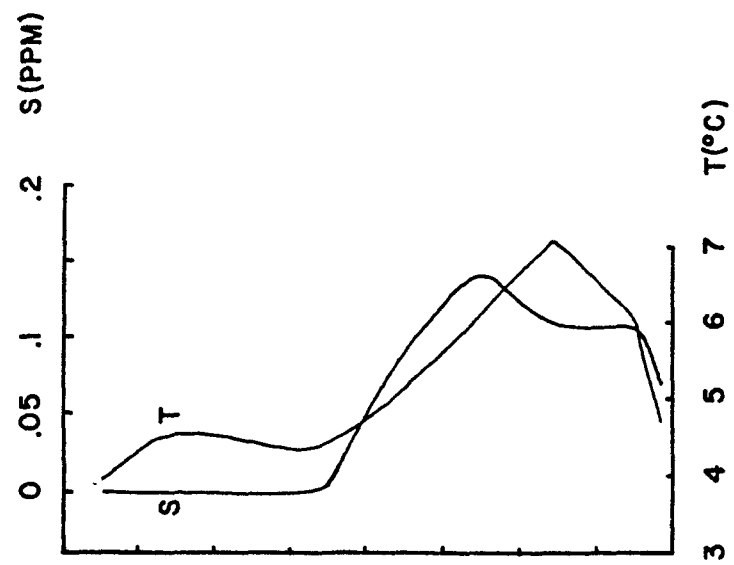
CYPRESS HILLS ↓

0757



155th STREET ↓

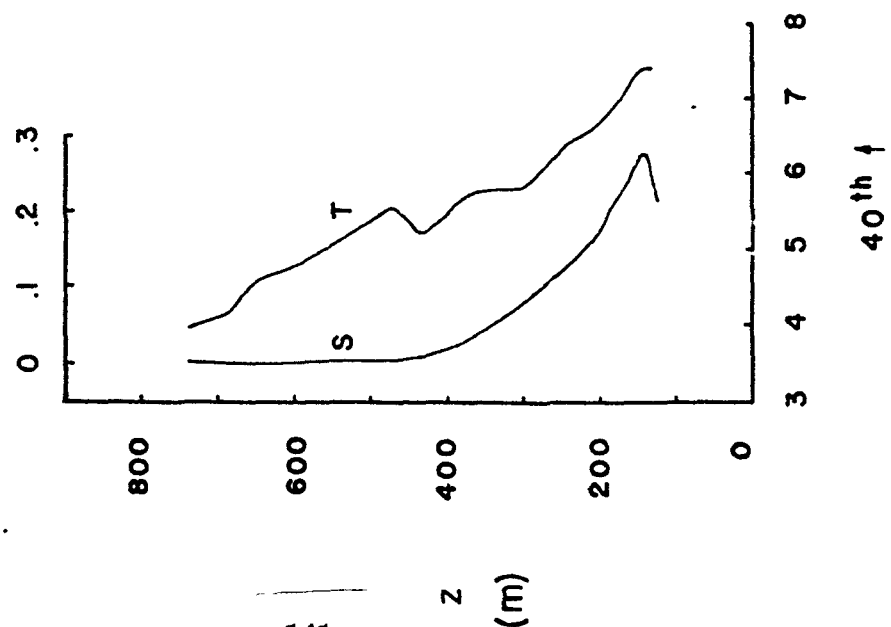
0905



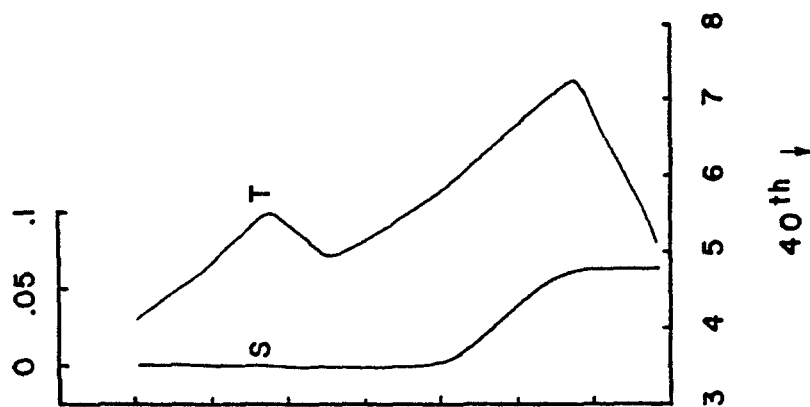
FT. WASHINGTON
PARK ↓

0910

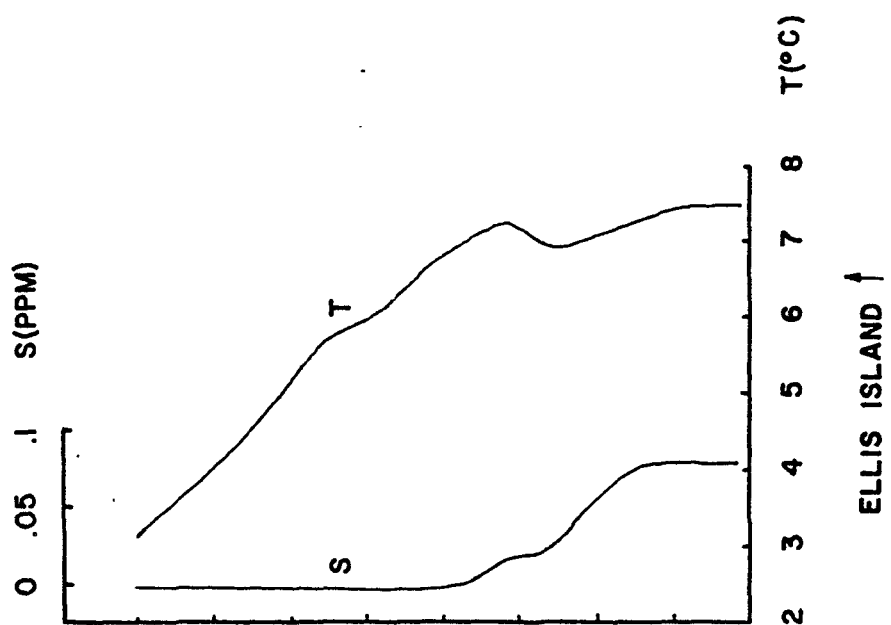
11 MAR 1966



0917



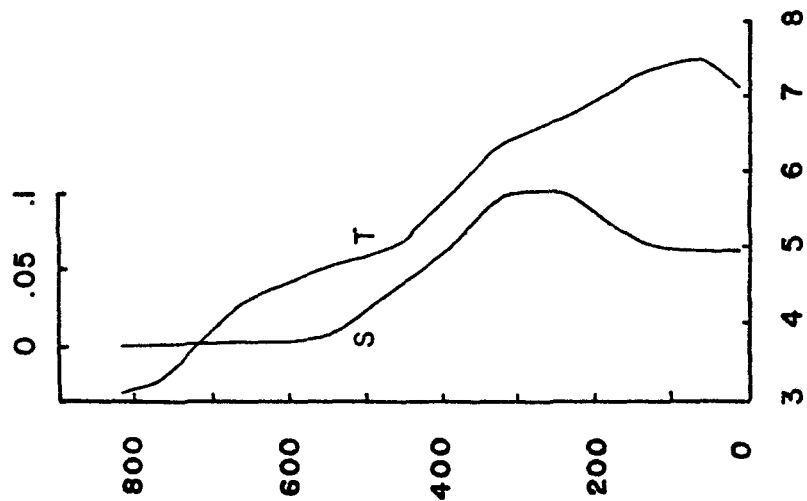
0922



0930

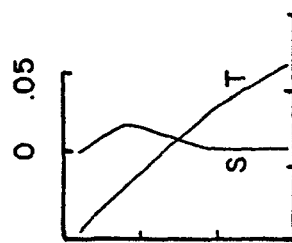
ELLIS ISLAND ↑

11 MAR 1966



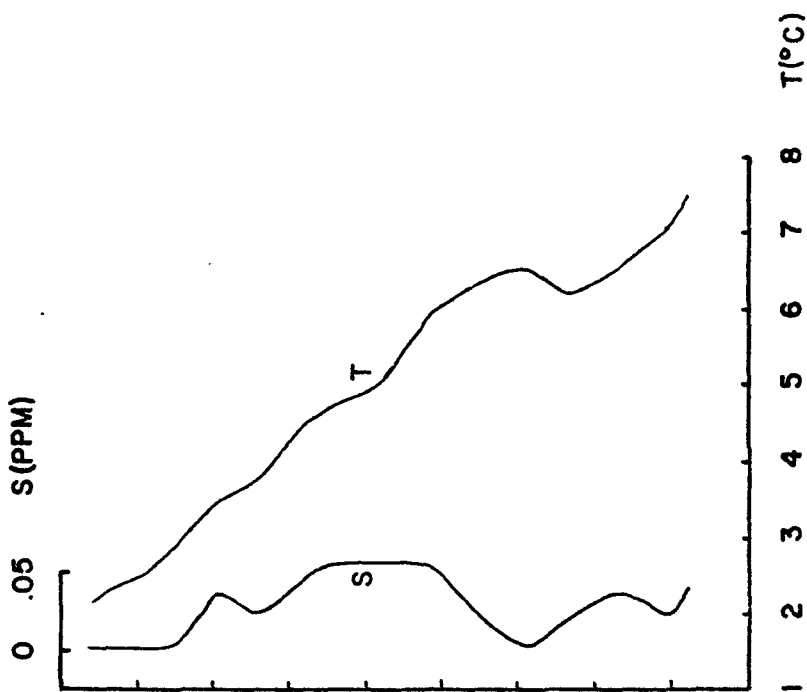
GOVERNORS
ISLAND ↓

0935



NEWTON CREEK ↓

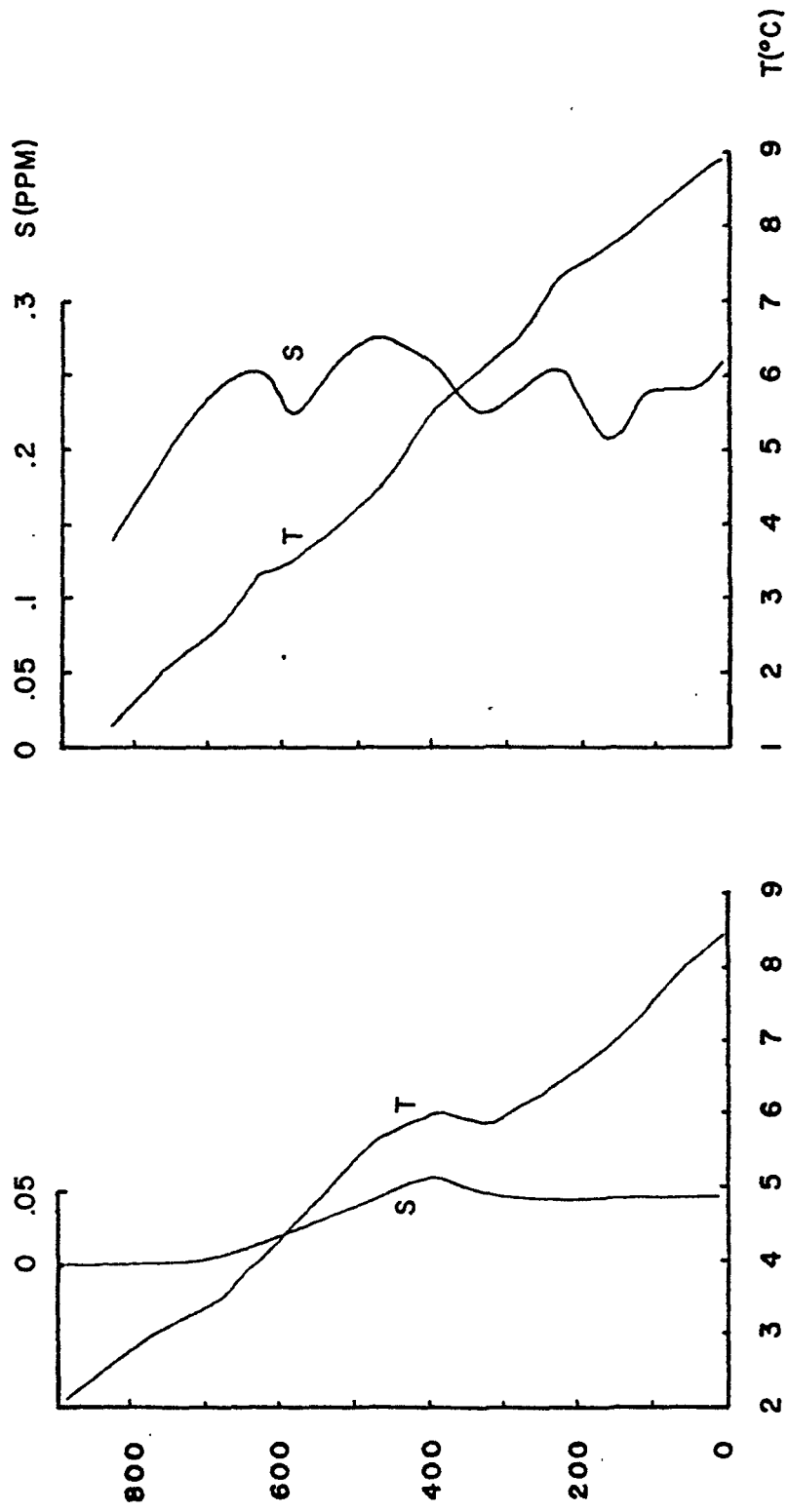
0949



CYPRESS HILLS ↓

0953

11 MAR 1966

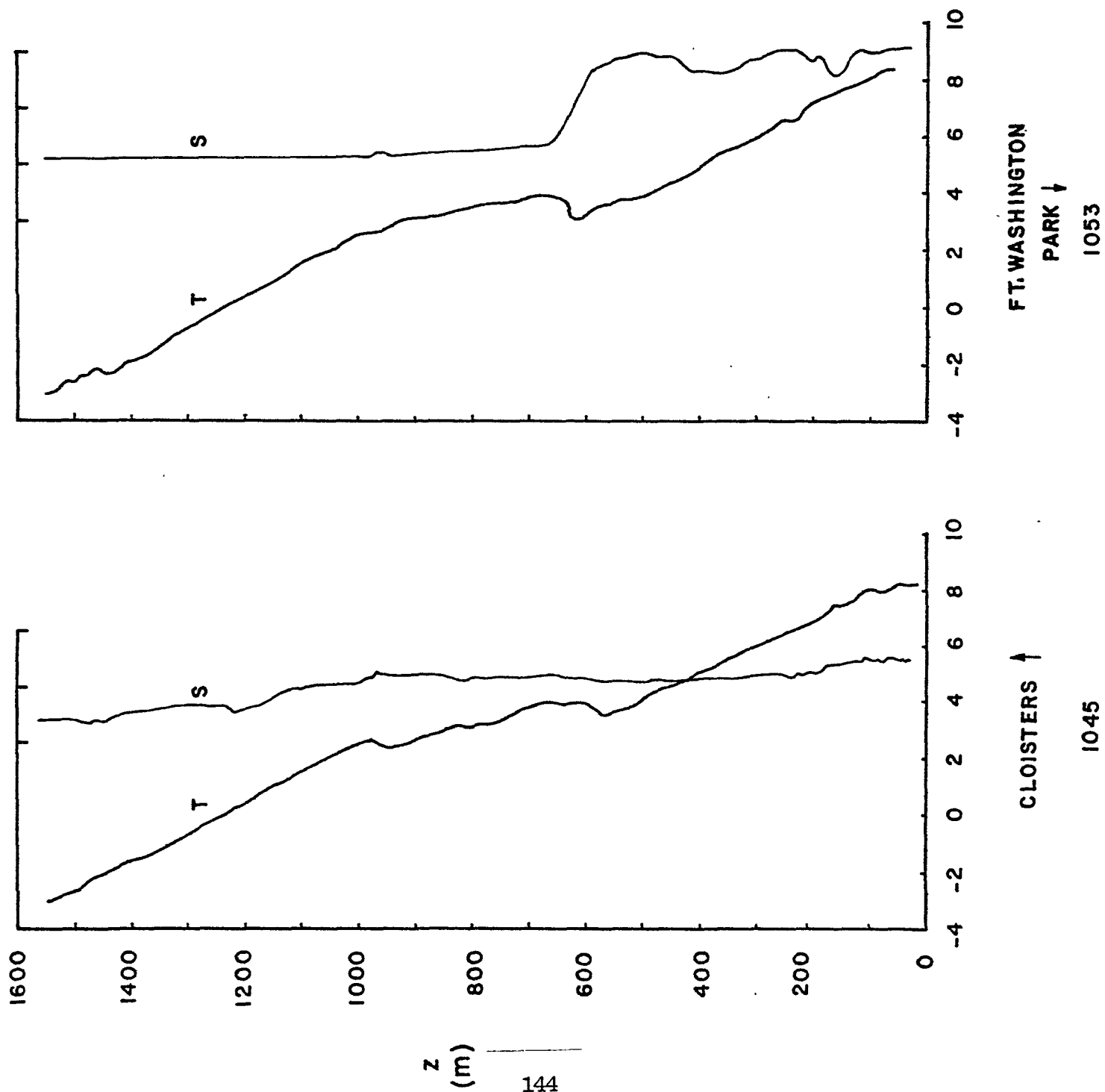


155th STREET ↑

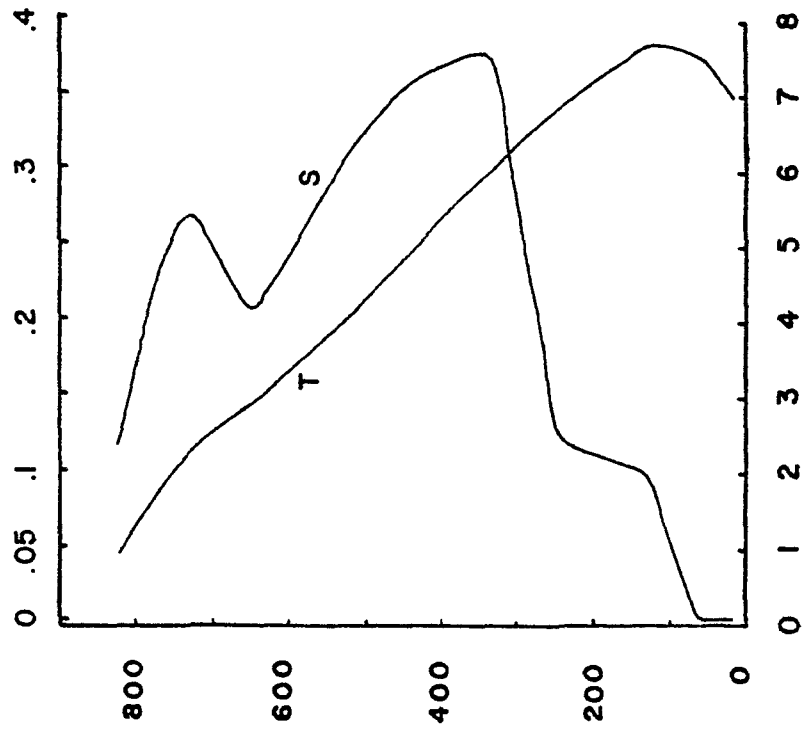
CYPRESS HILLS ↑

1325

0959

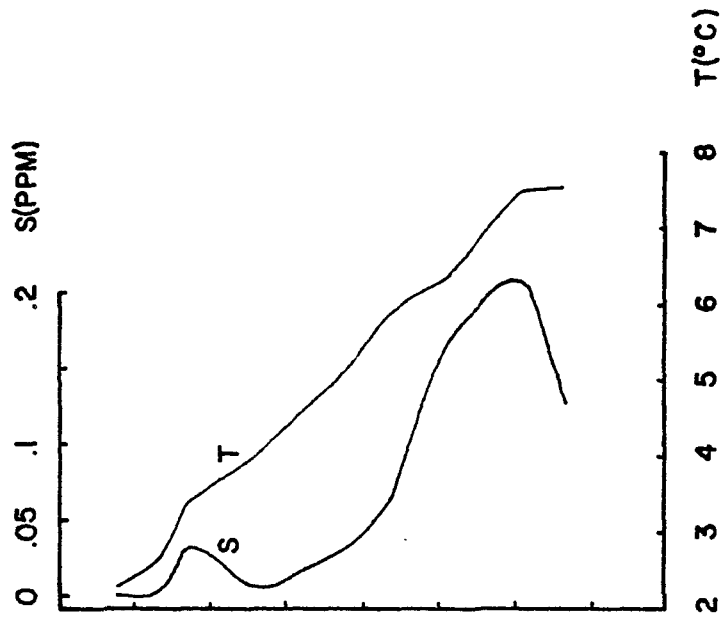


11 MAR 1966



FT. WASHINGTON
PARK ↓

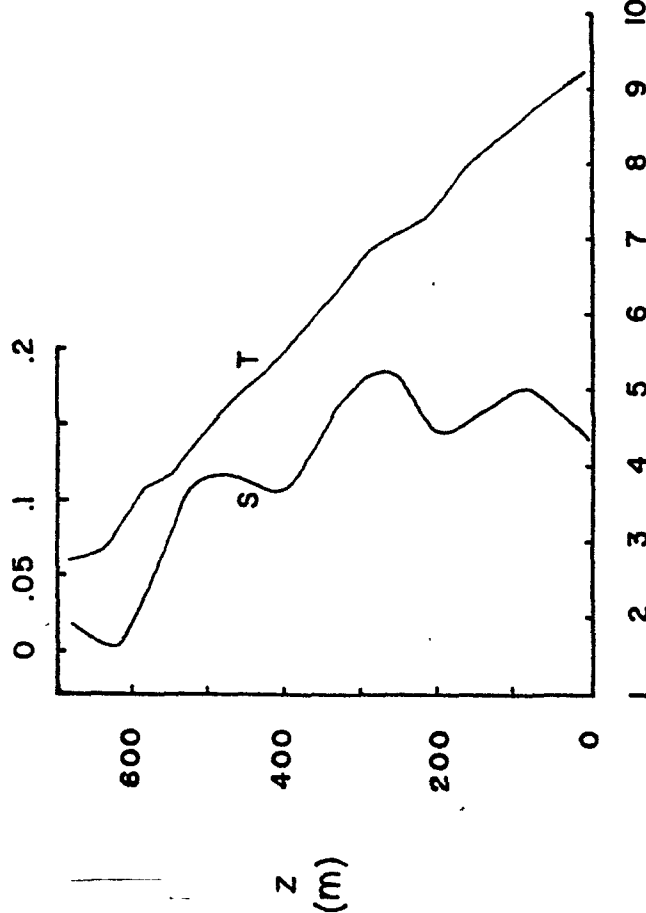
1330



40th N.J. ↓

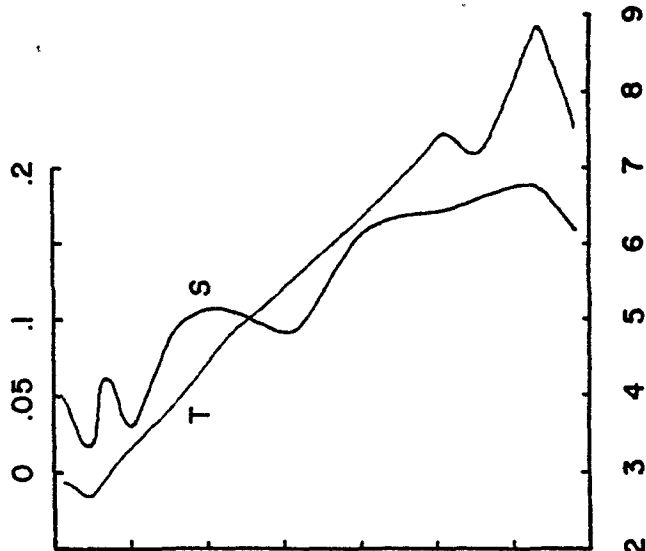
1338

11 MAR 1966



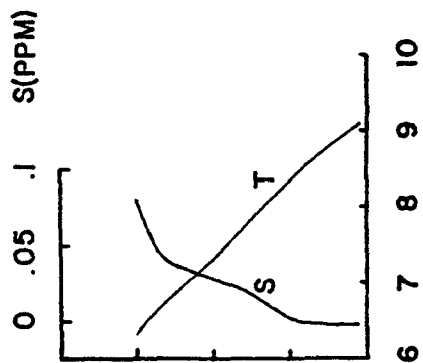
ELLIS ISLAND ↑

1348



GOVERNORS ISLAND ↑

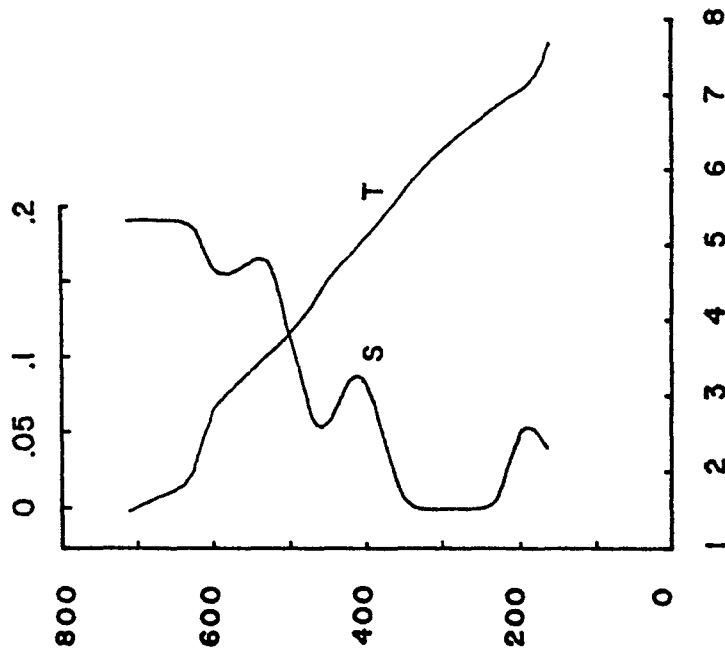
1351



NEWTON CREEK ↑

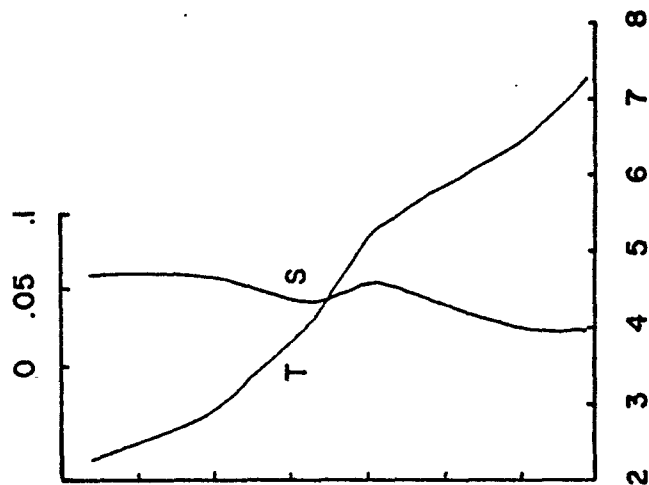
1407

11 MAR 1966



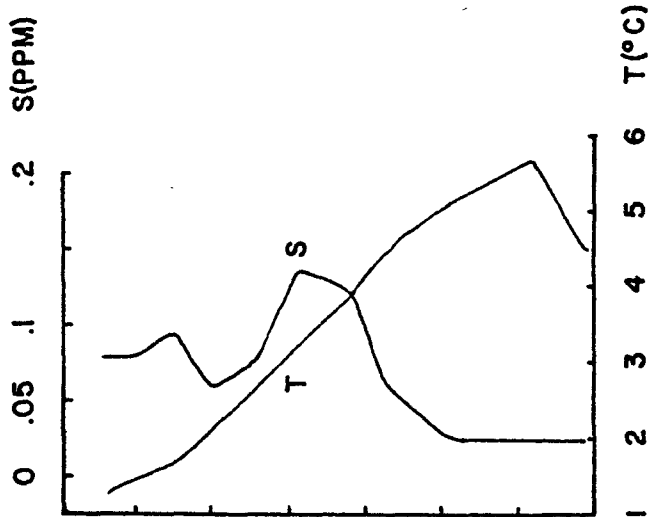
CYPRESS HILLS ↑

1410



CYPRESS HILLS ↑

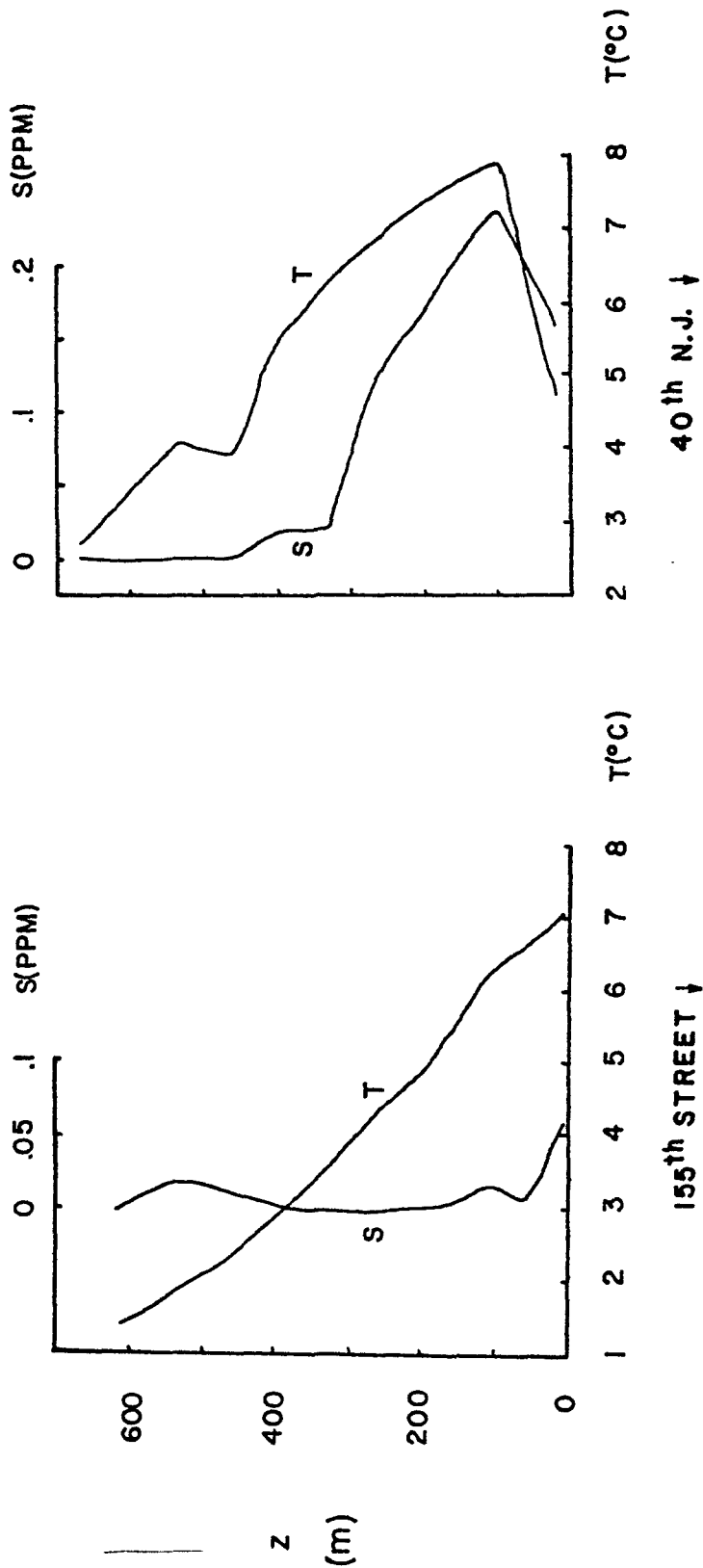
1414



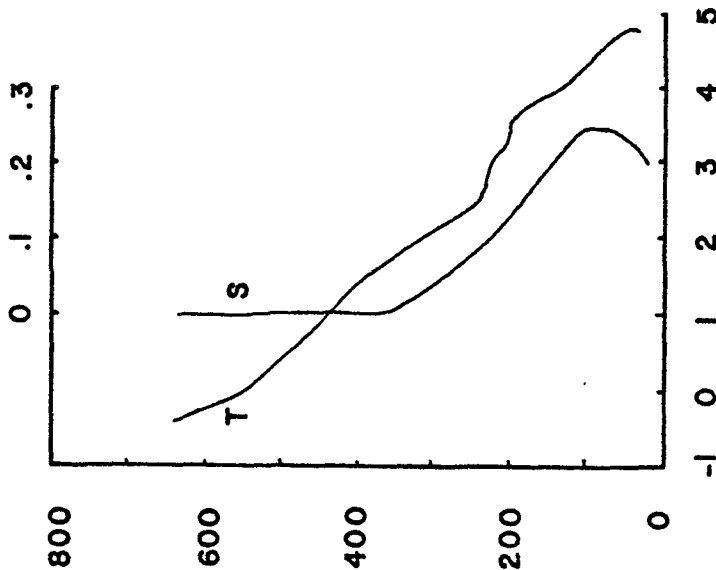
155th STREET ↑

1517

11 MAR 1966

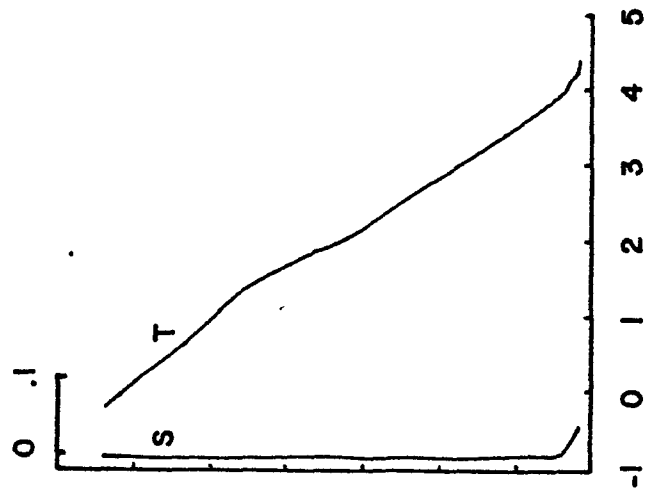


15 NOV 1966



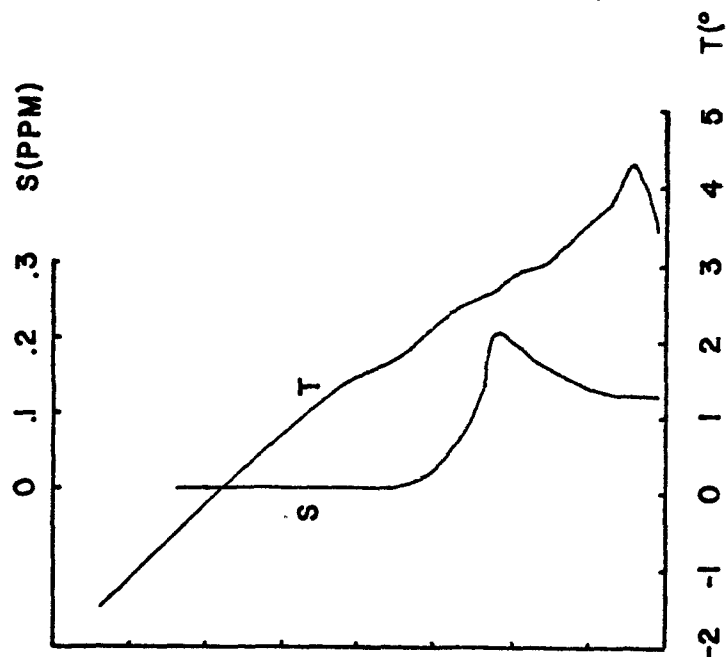
155th STREET ↑

0630



FT. WASHINGTON
PARK ↓

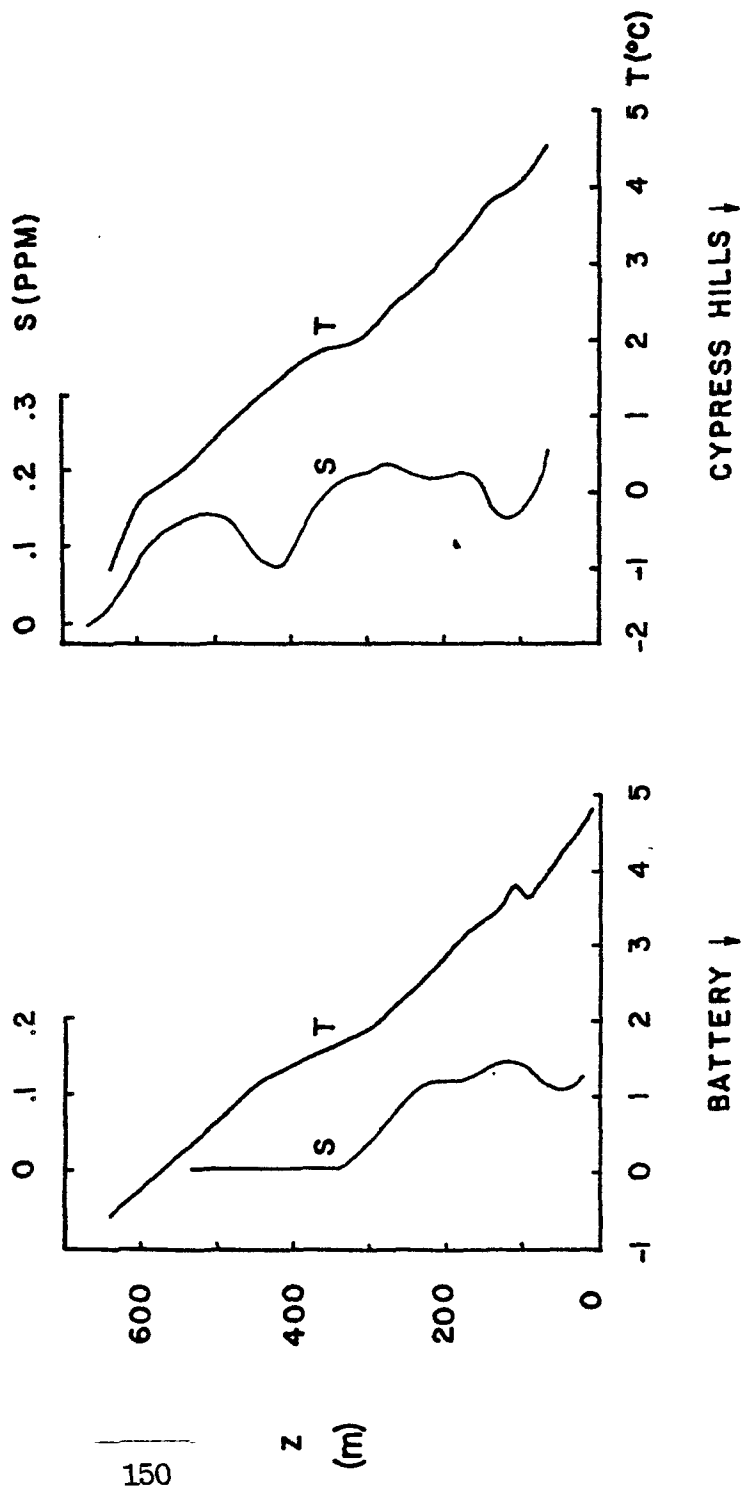
0635



ELLIS ISLAND ↑

0650

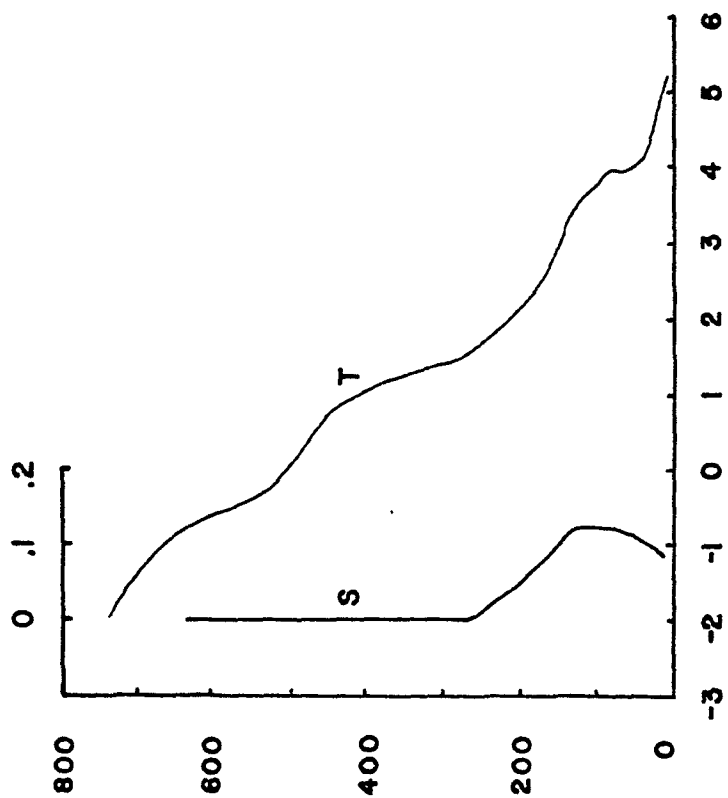
15 NOV 1966



0658

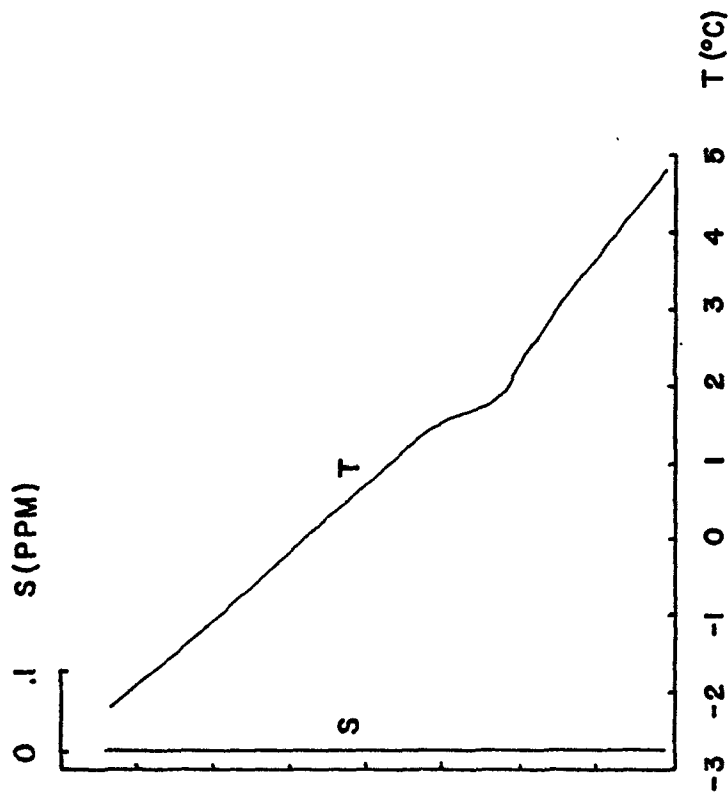
0738

15 NOV 1966



155th STREET ↑

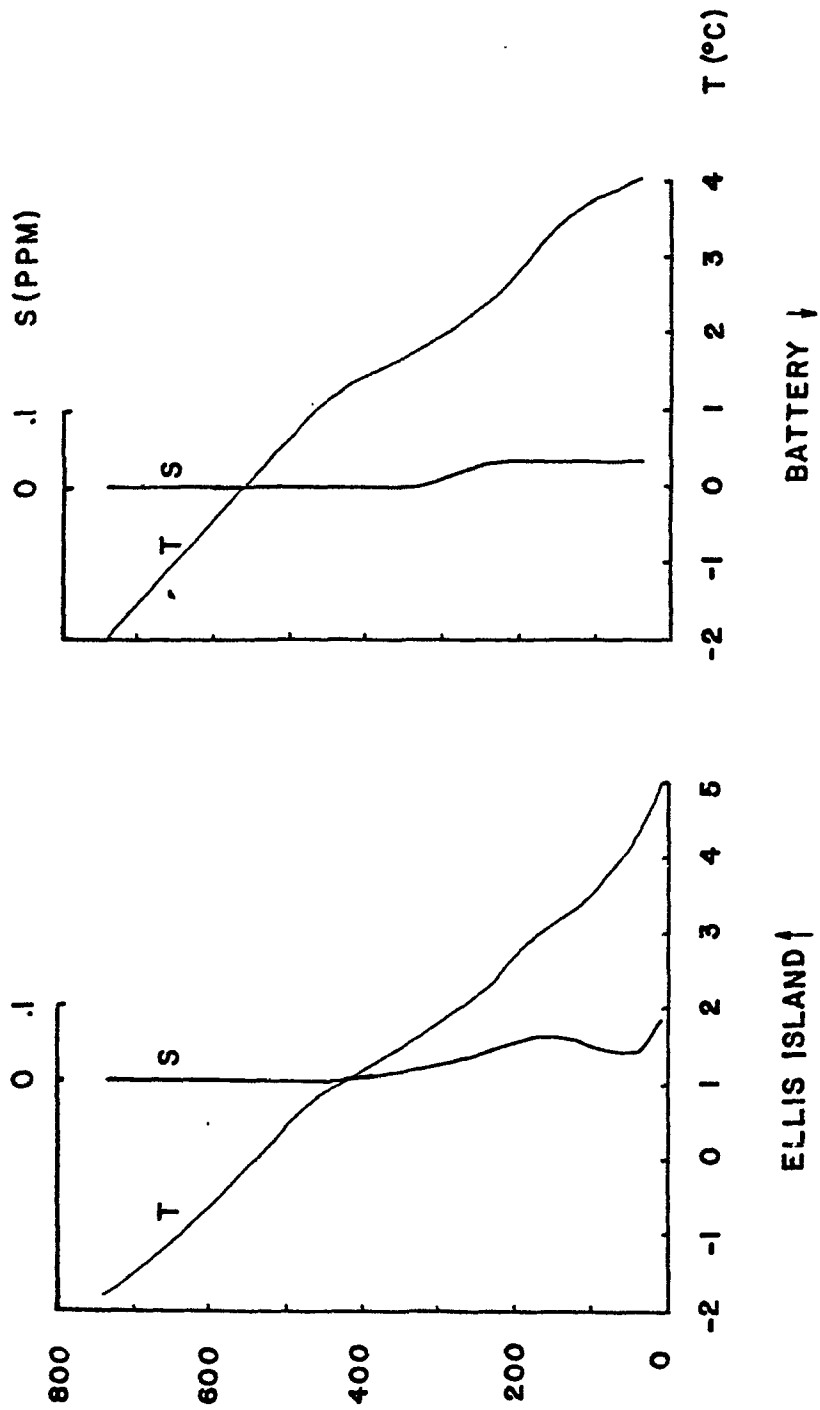
0845



FT. WASHINGTON
PARK ↓

0853

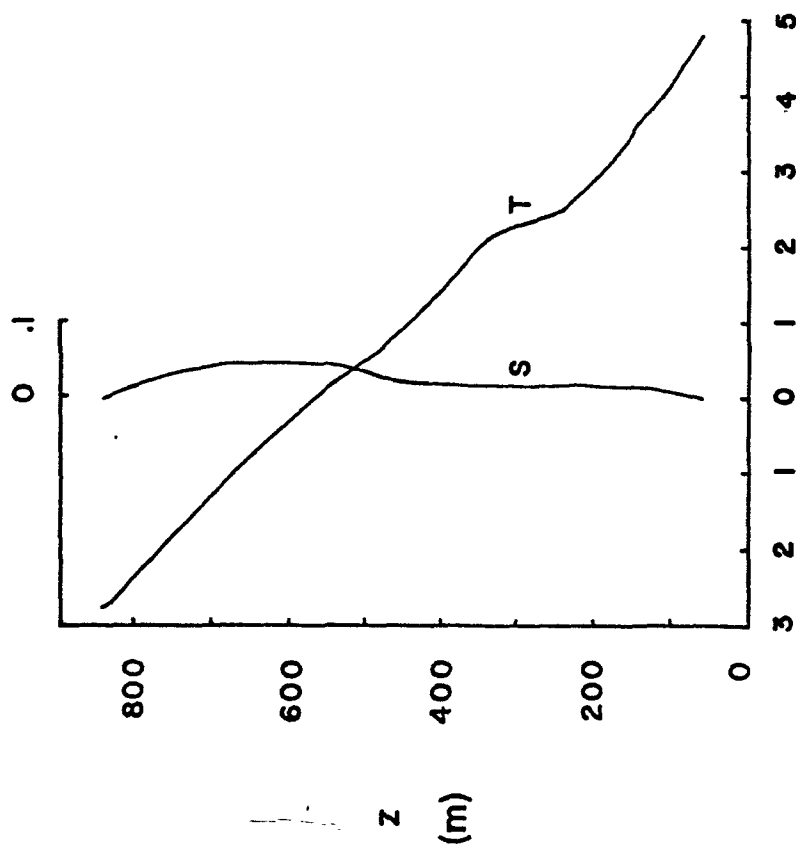
15 NOV 1966



0915

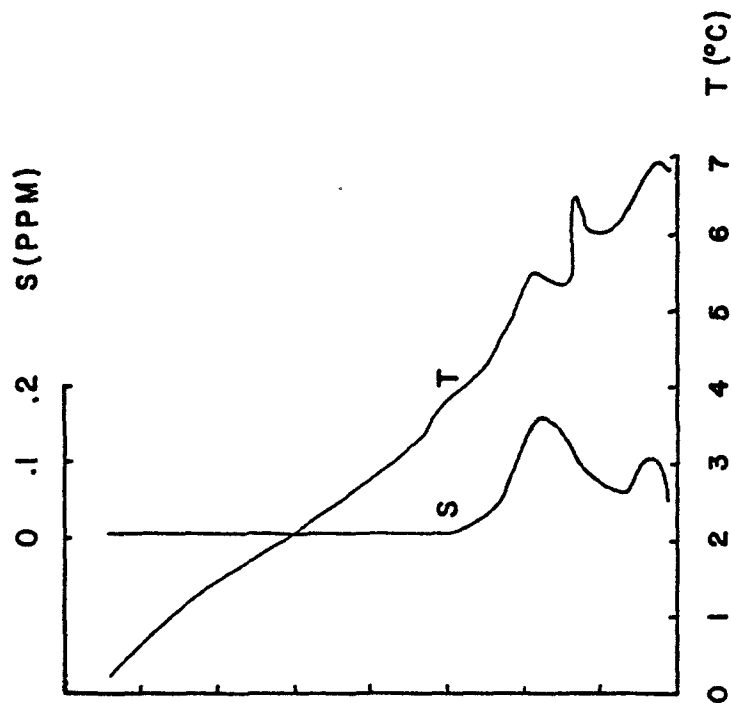
0905

15 NOV 1966



CYPRESS HILLS ↑

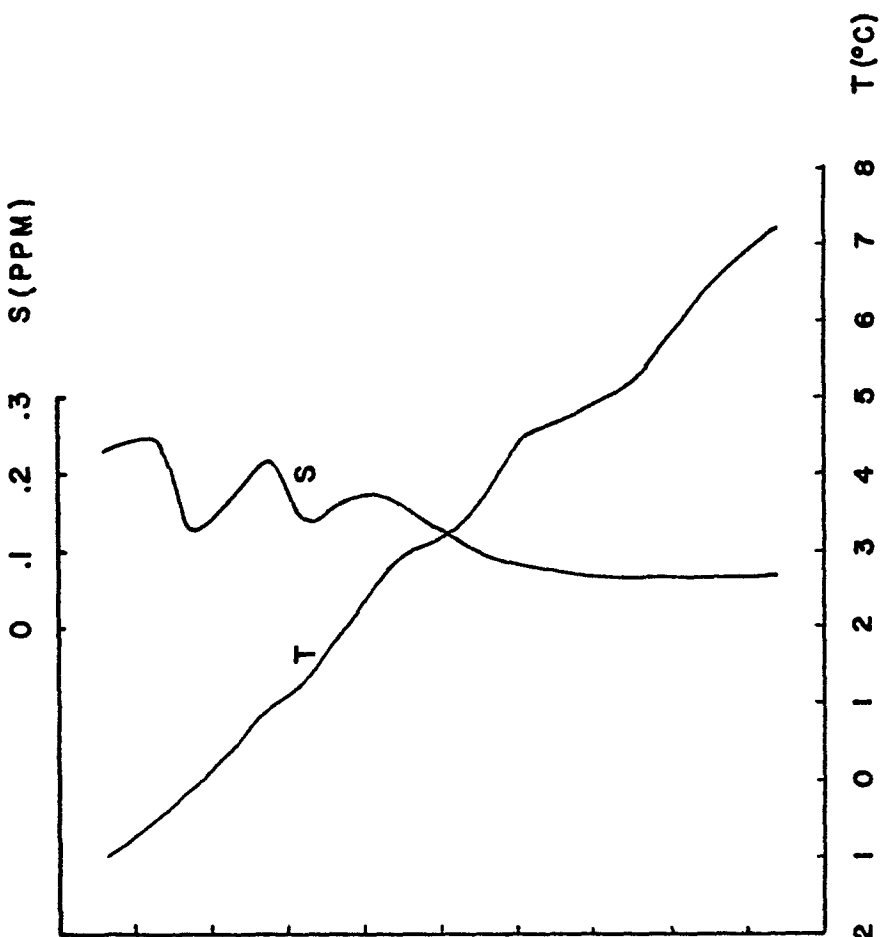
0957



155th STREET ↑

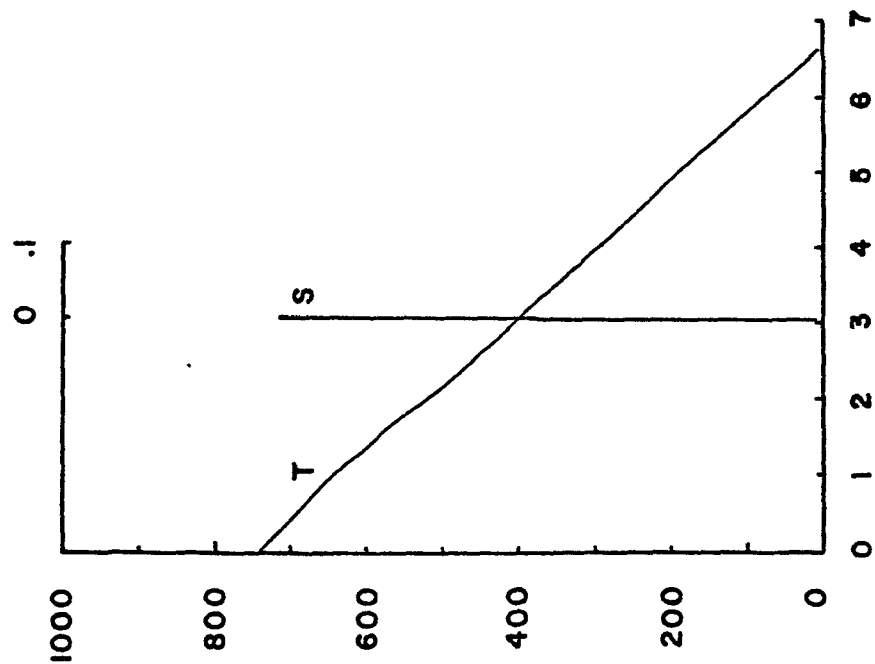
1233

15 NOV 1966



CYPRESS HILLS ↓

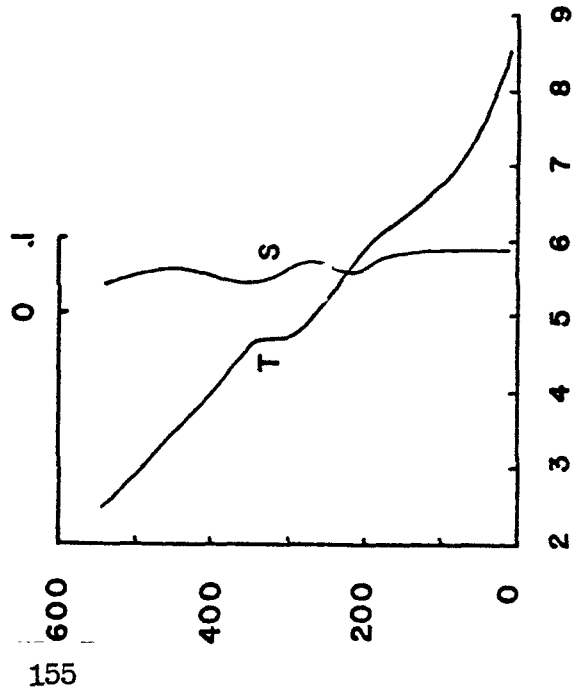
1345



FT. WASHINGTON
PARK ↓

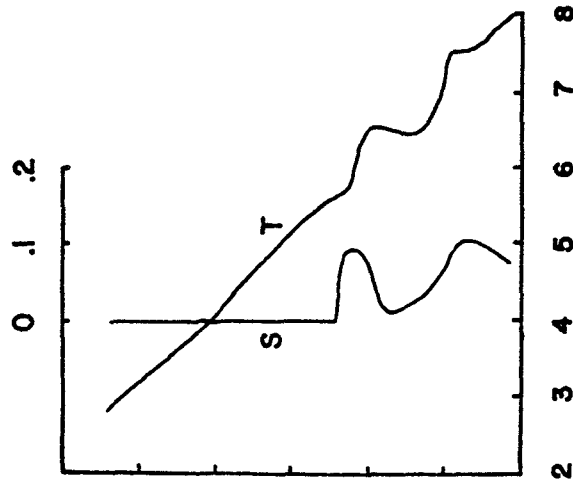
1240

15 NOV 1966



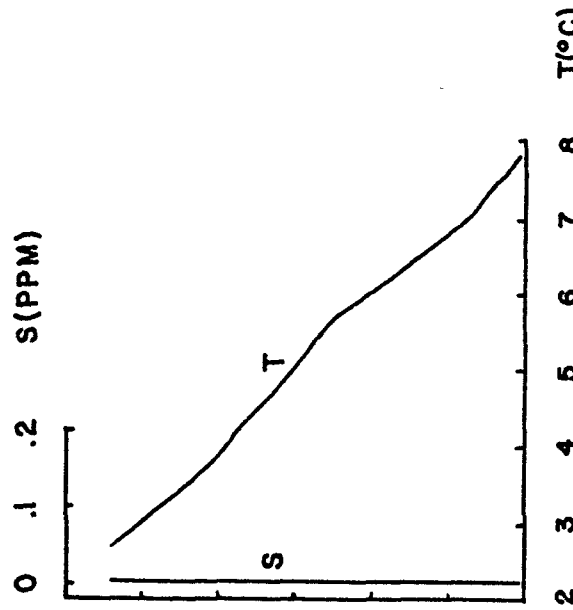
ELLIS ISLAND ↑

1315



155th STREET ↑

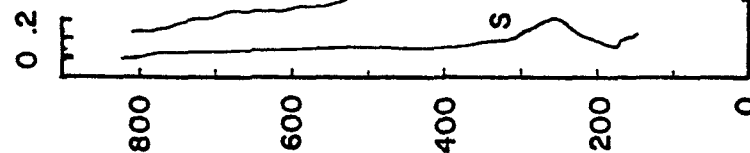
1440



FT. WASHINGTON
PARK ↑

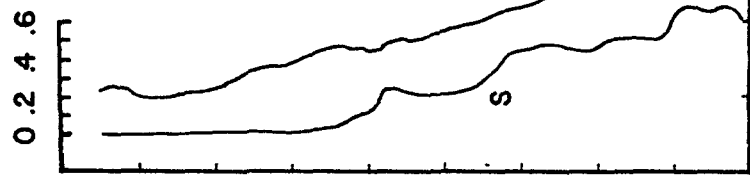
1445

16 NOV 1966



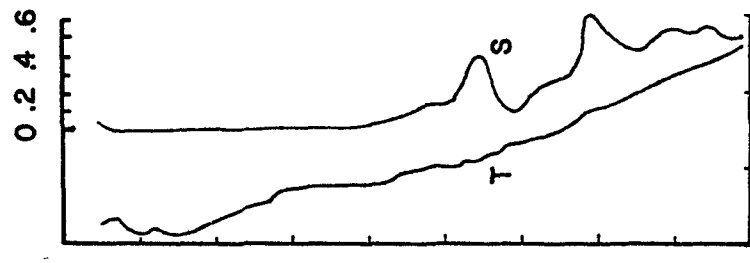
WESTCHESTER ↓

0611



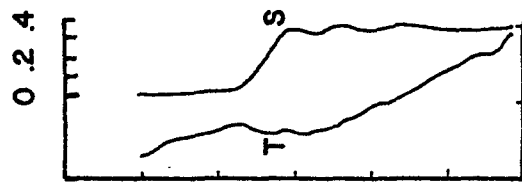
155th STREET ↓

0630



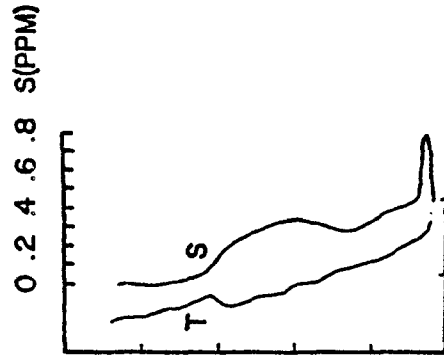
FT. WASHINGTON
PARK ↓

0635



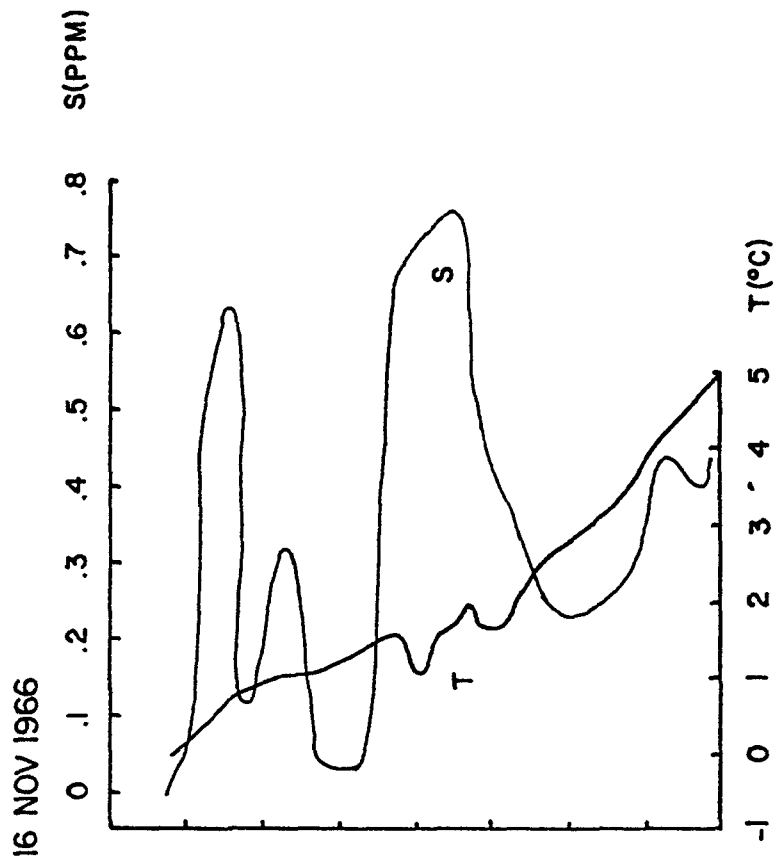
BATTERY ↓

0650



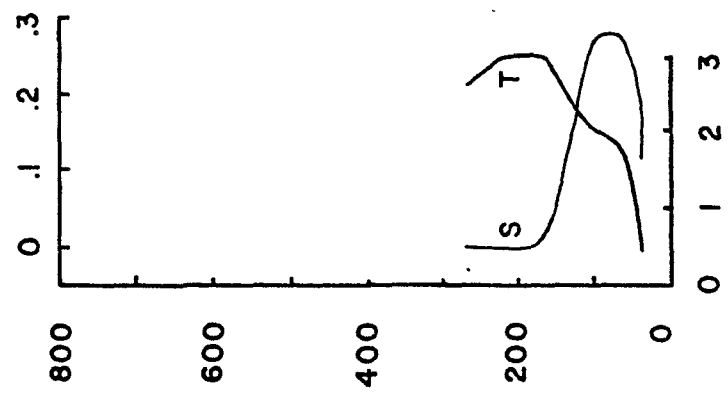
NEWTON
CREEK

0657



155th STREET ↑

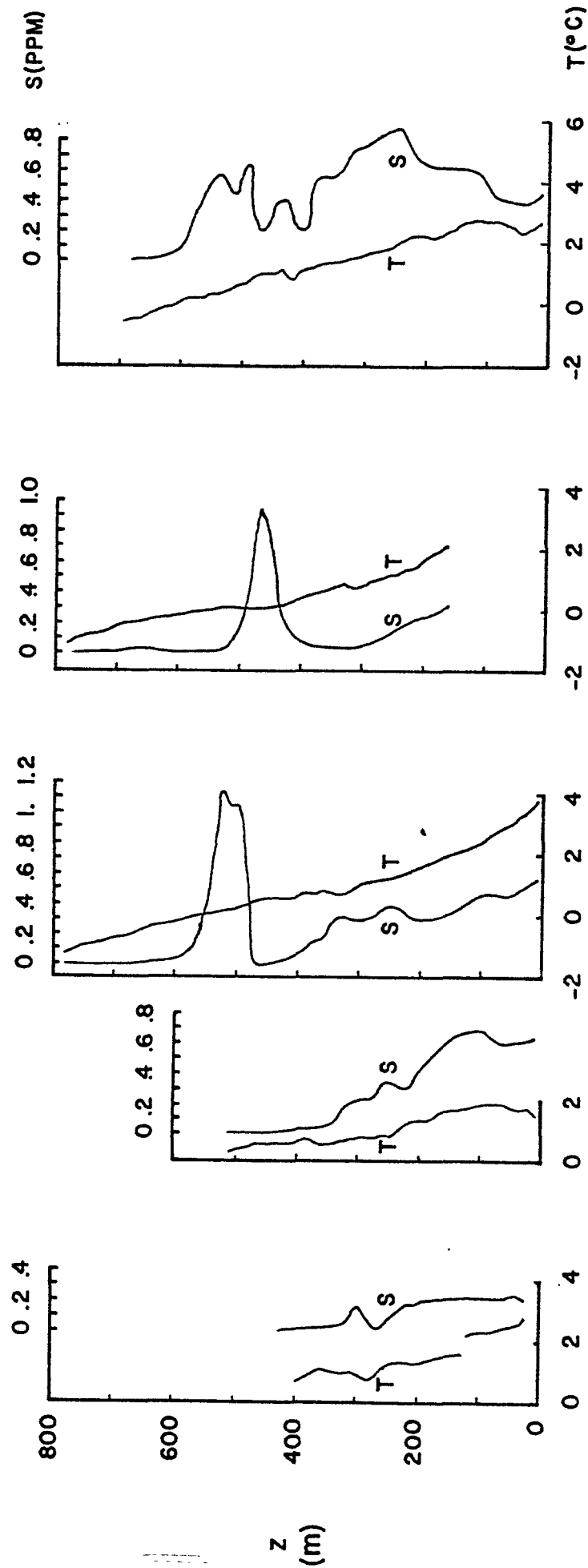
0913



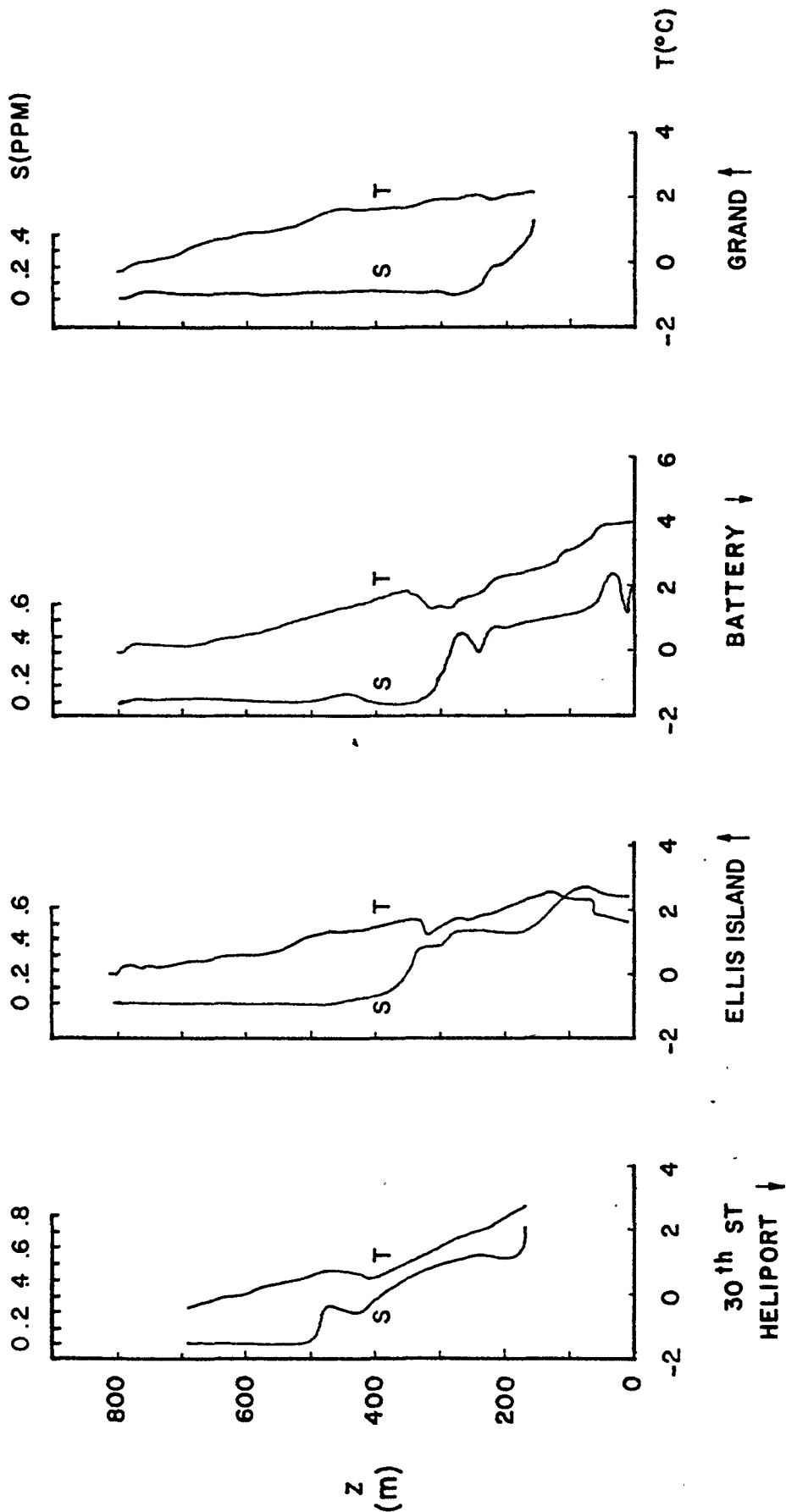
VAN CORTLAND
PARK ↑

0624

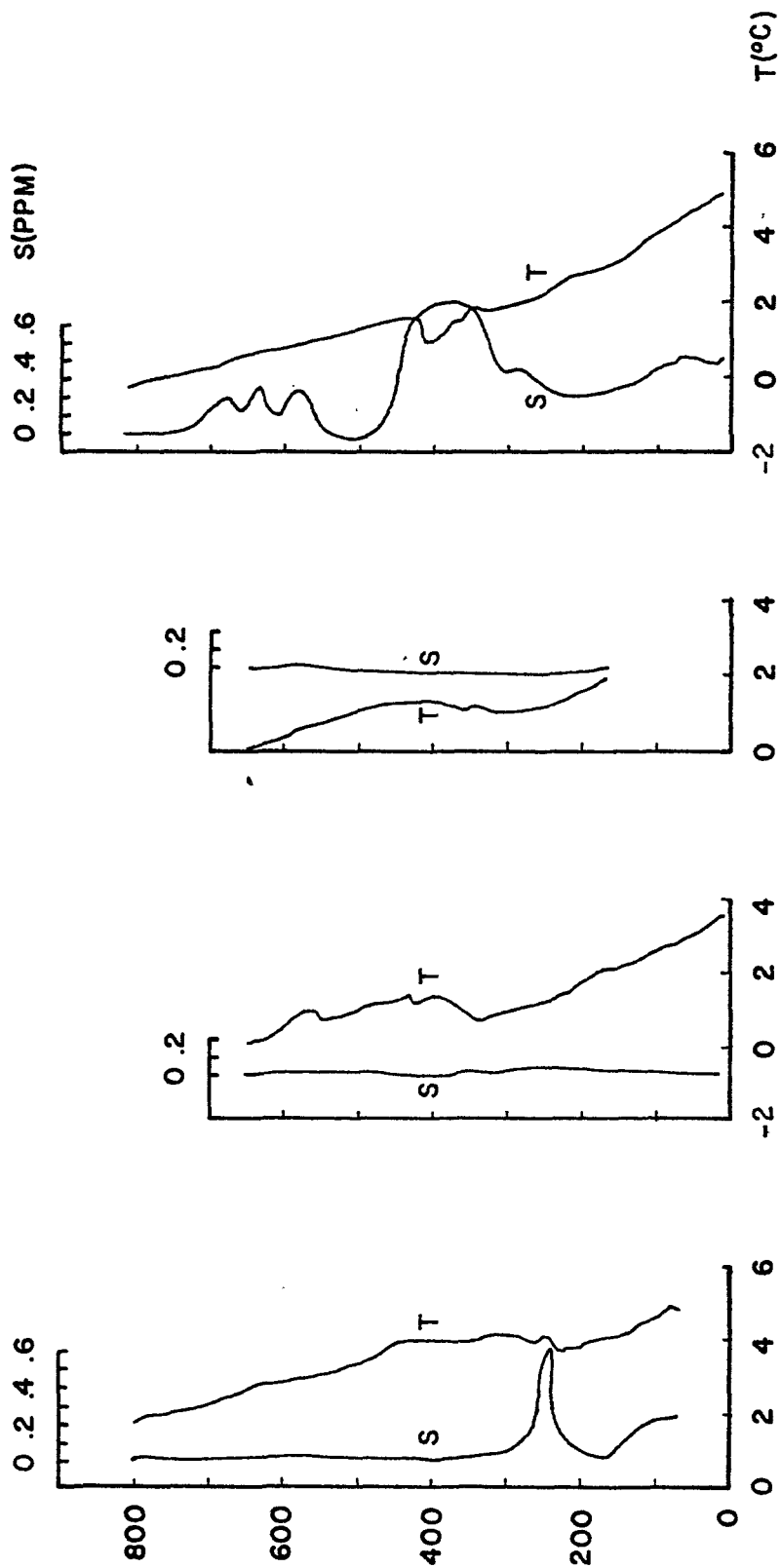
16 NOV 1966



16 NOV 1966



16 NOV 1966



CYPRESS HILLS ↓ EASTCHESTER BAY ↑ EASTCHESTER BAY ↓ 155th STREET ↓

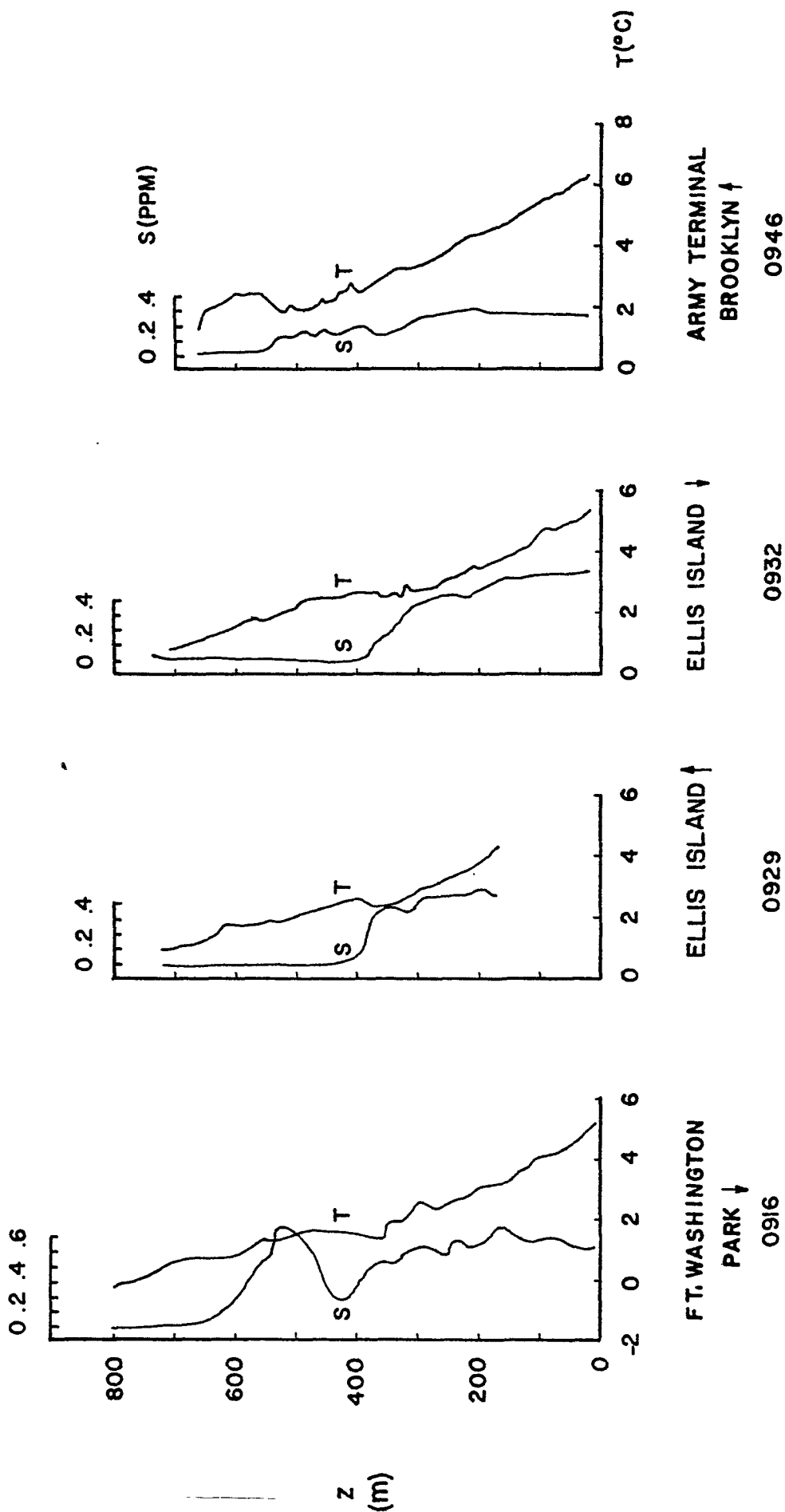
0800

0859

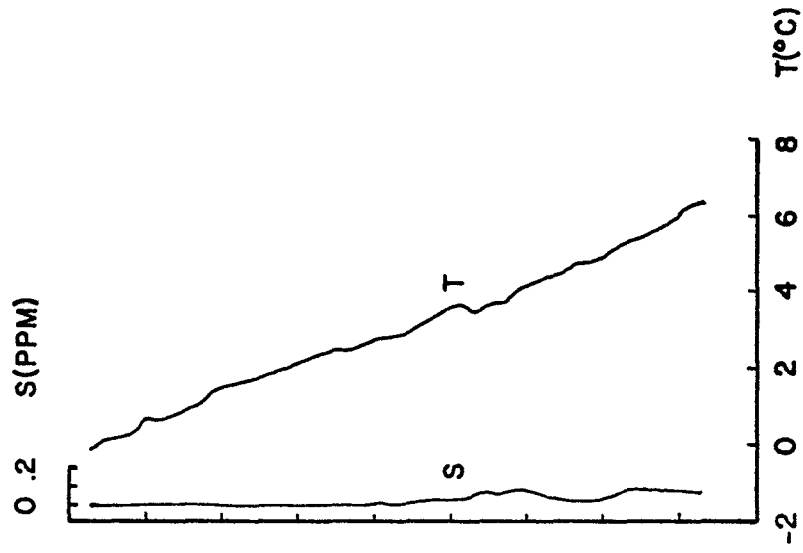
0903

0911

16 NOV 1966

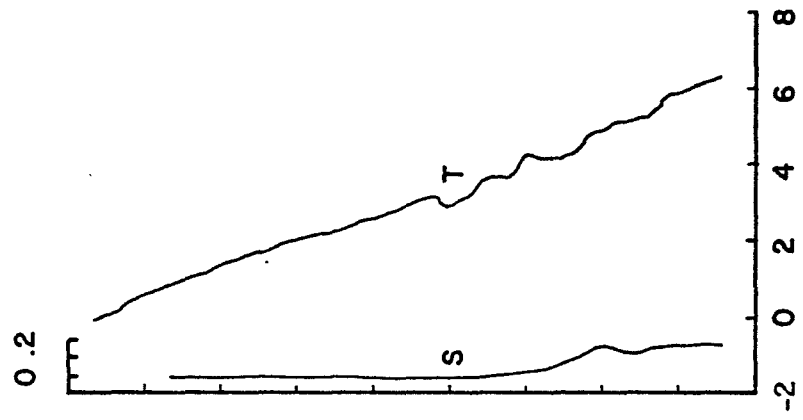


16 NOV 1966



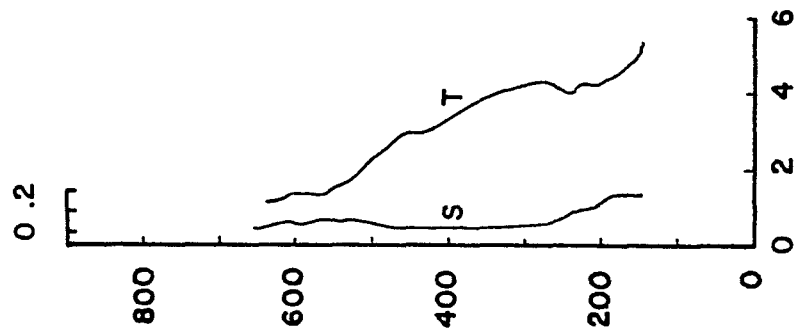
CYPRESS HILLS ↓

1013



GRAND ↑

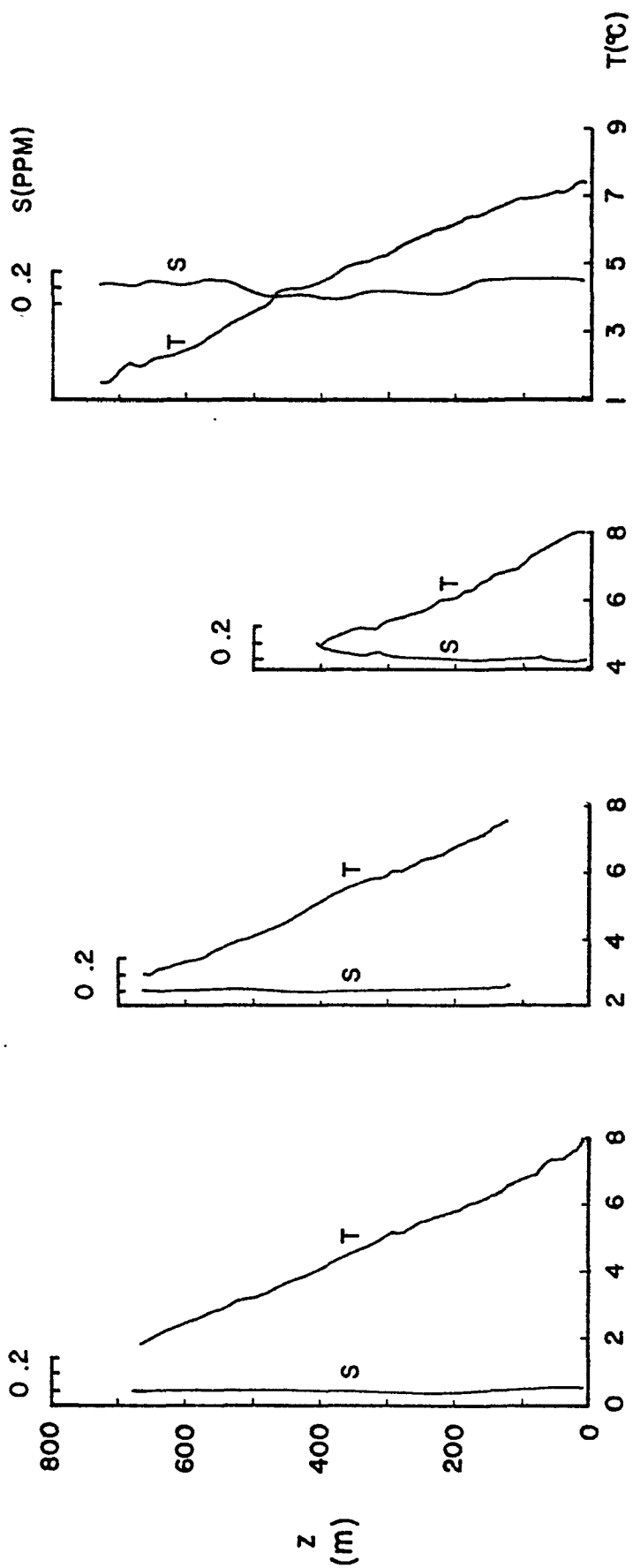
1009

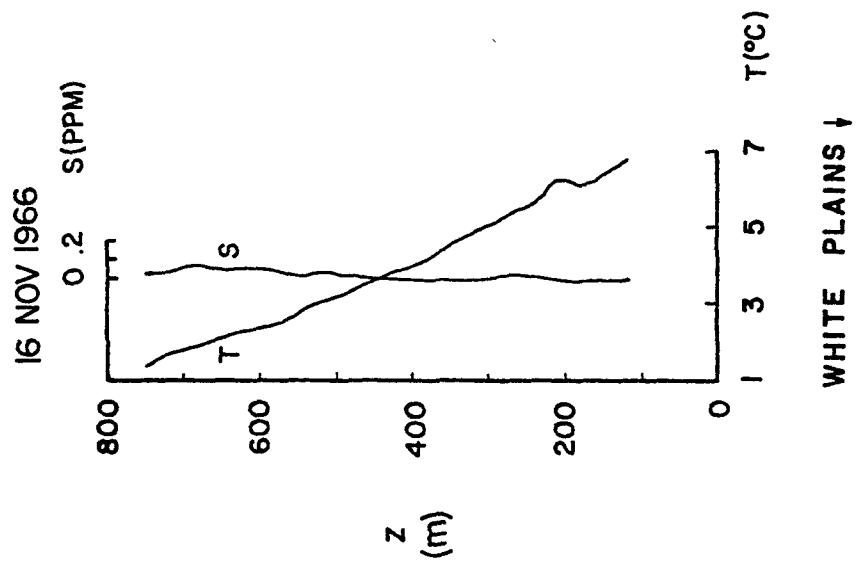


ARMY TERMINAL
BROOKLYN ↓

0951

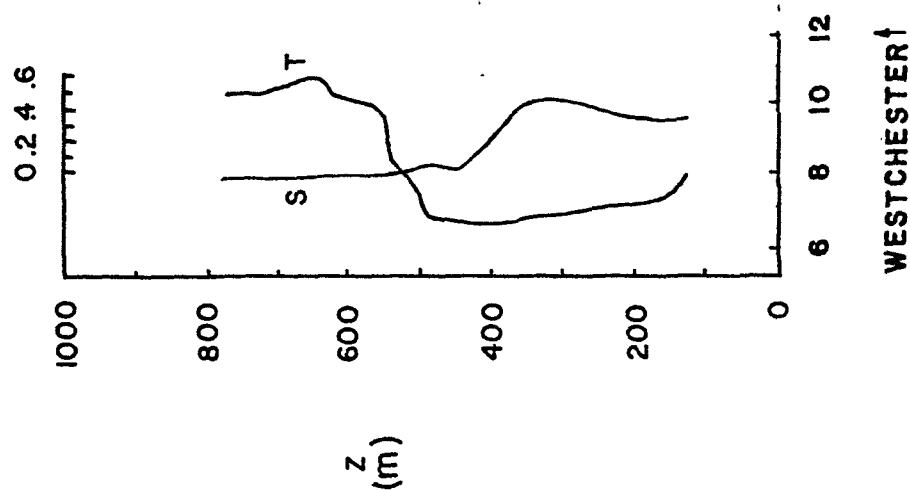
16 NOV 1966





1240

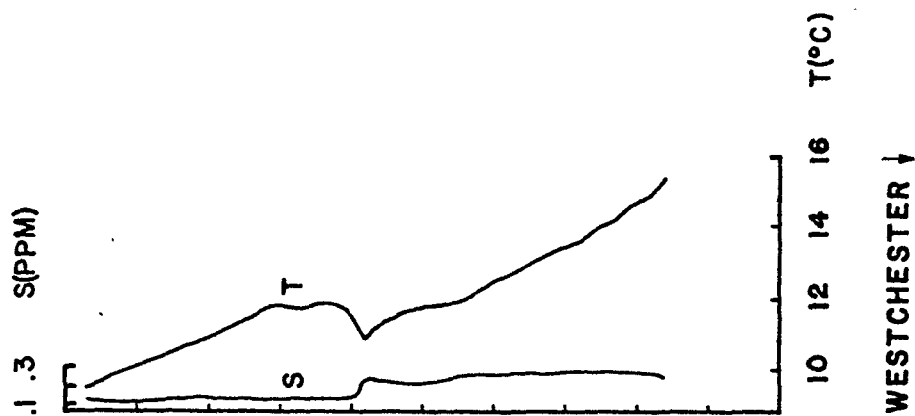
17 NOV 1966



0630

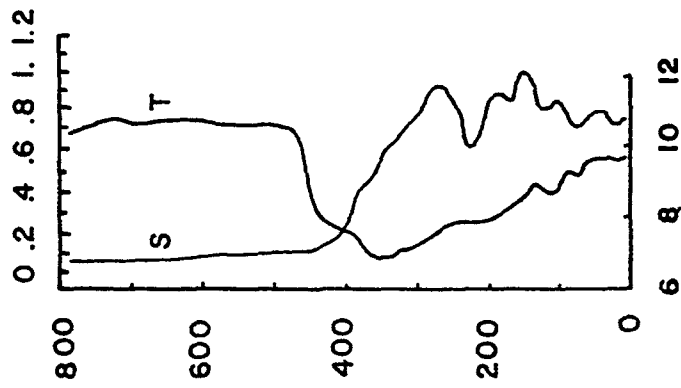


0635



1355

17 NOV 1966



155th STREET ↑

0652



155th STREET ↑

0909



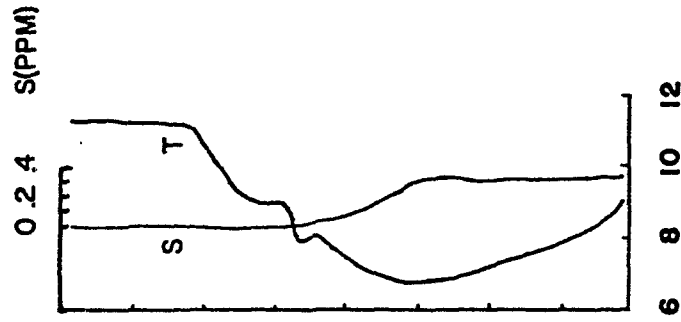
155th STREET ↑

1250



FT. WASHINGTON
PARK ↓

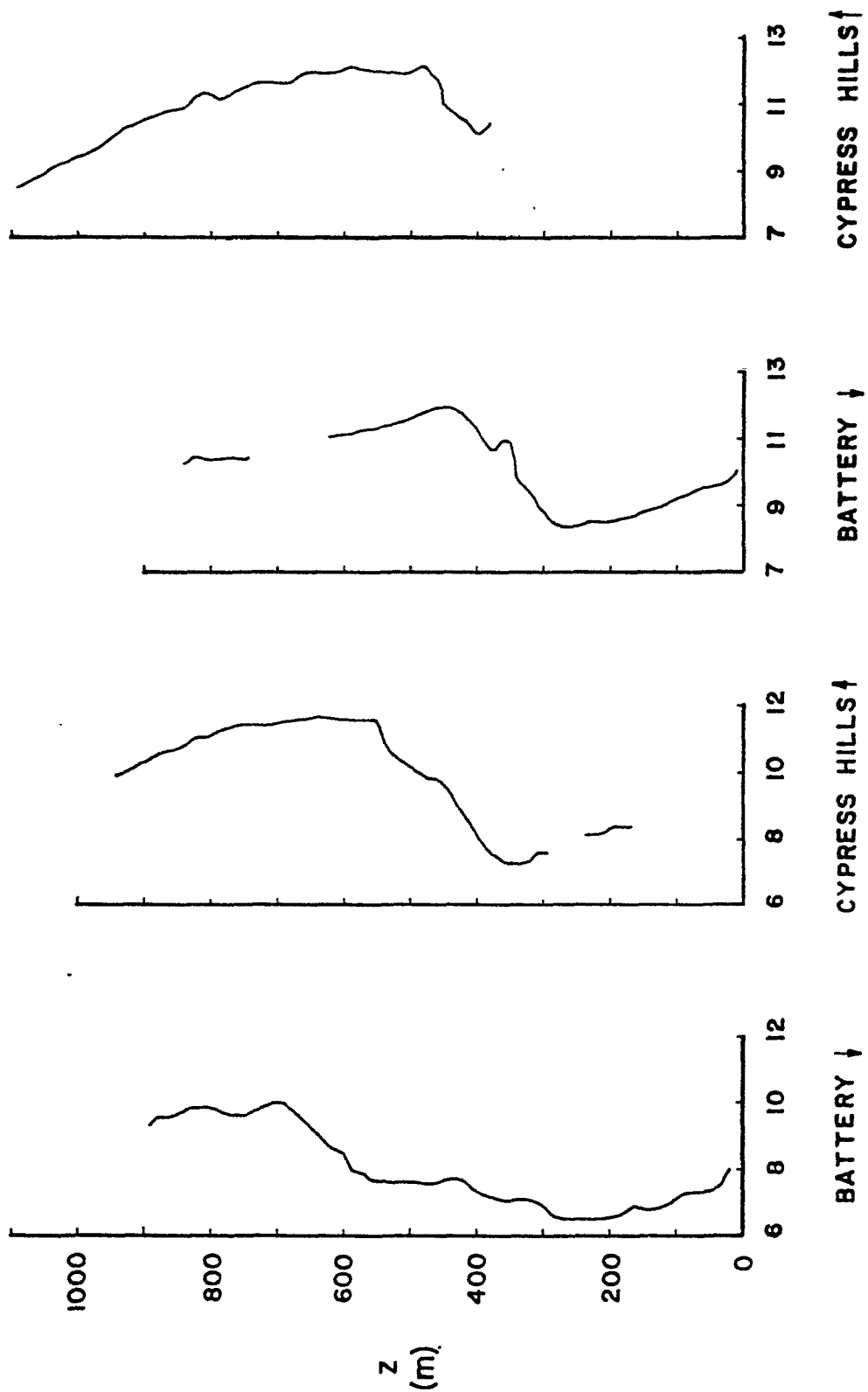
0657



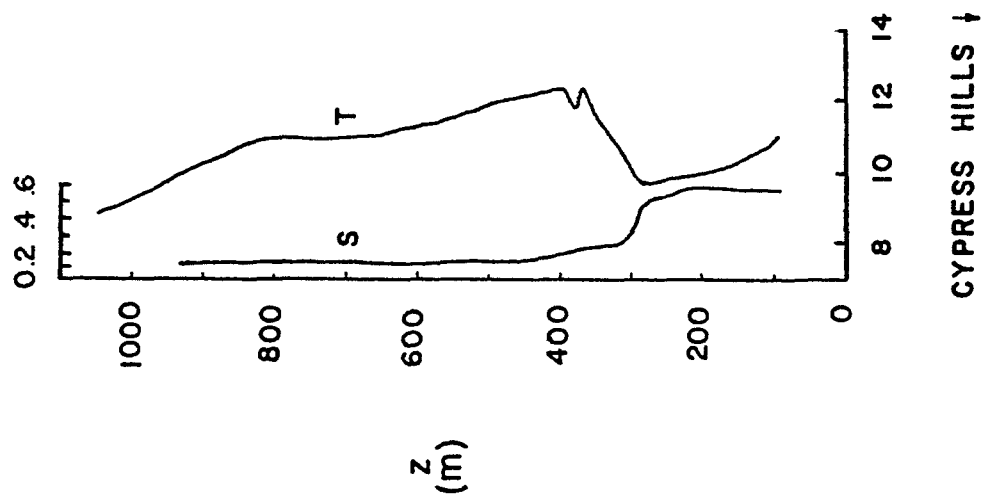
FT. WASHINGTON
PARK ↓

0914

17 NOV 1966



17 NOV 1966



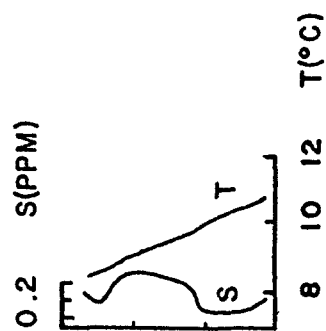
CYPRESS HILLS ↑

1011



CYPRESS HILLS ↑

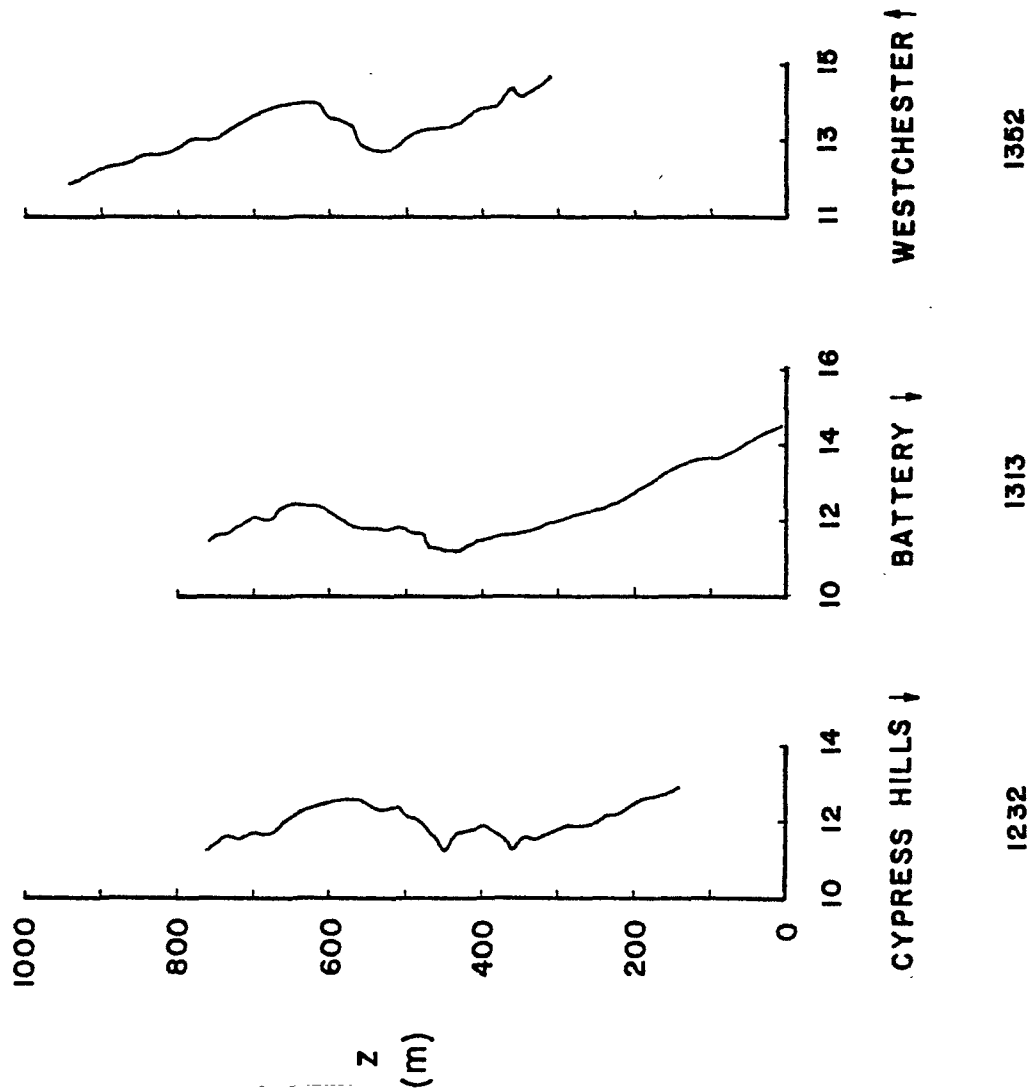
1229



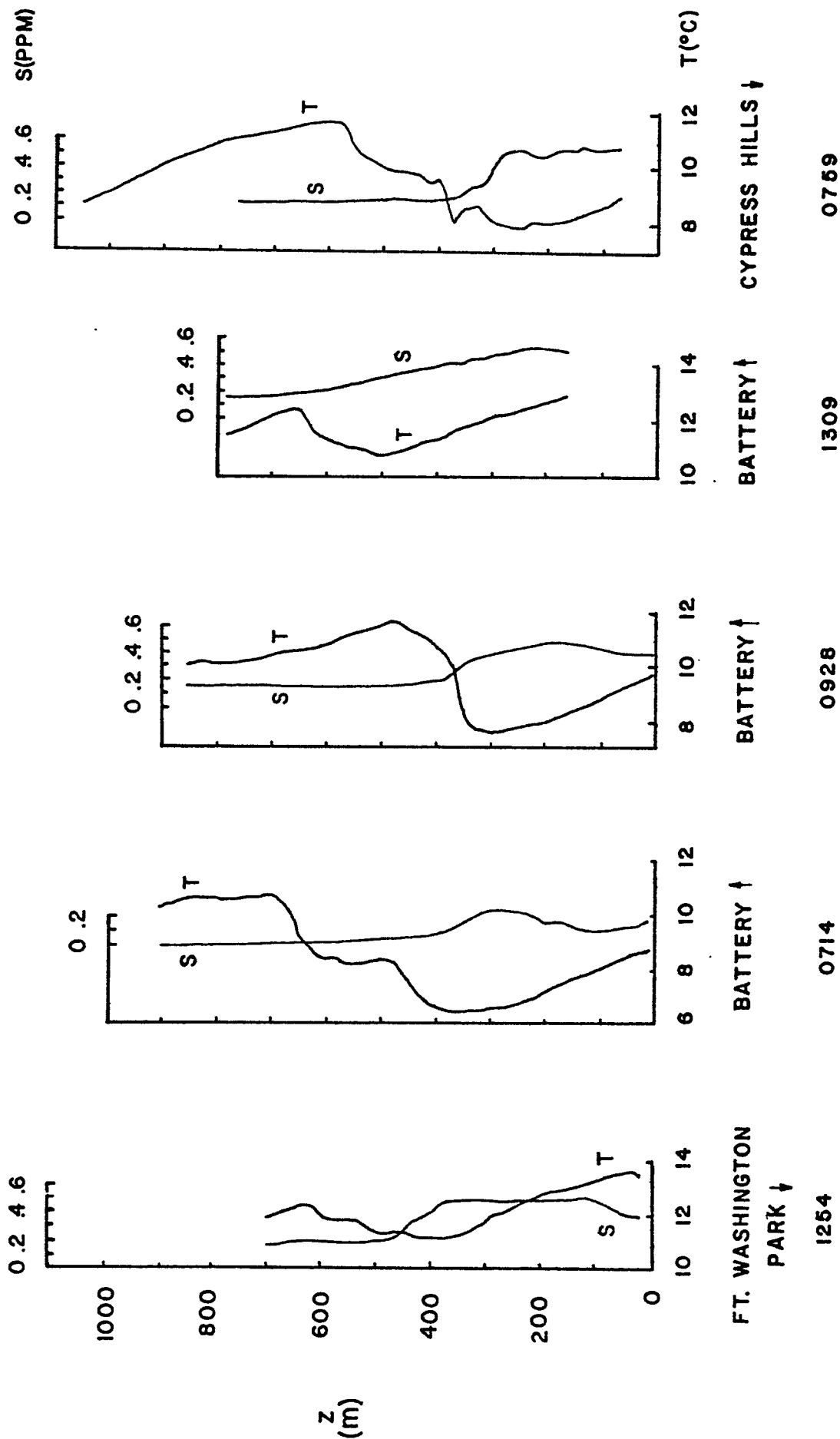
EASTCHESTER BAY ↑

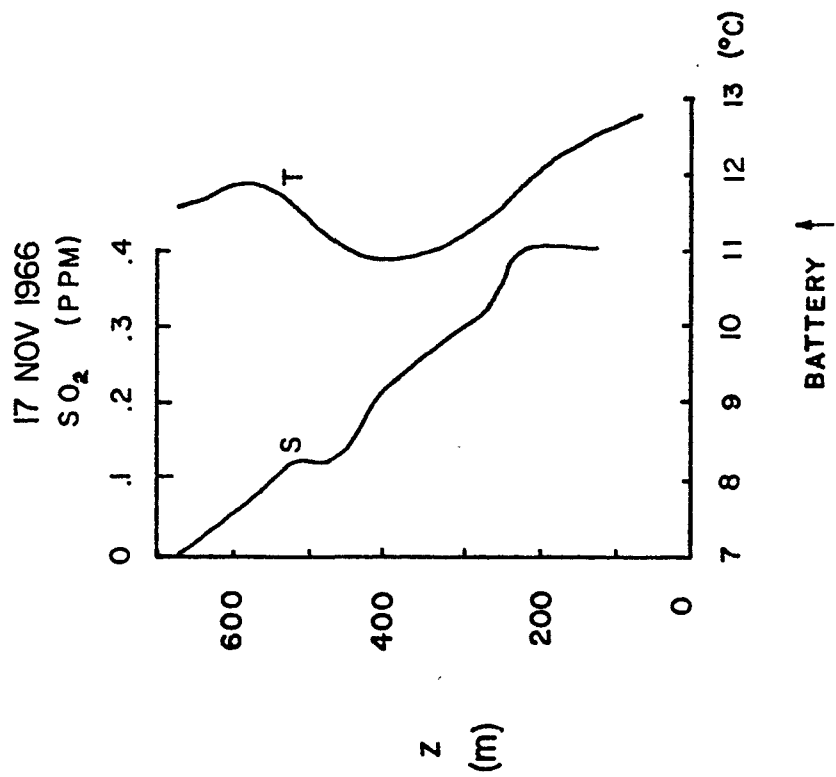
0858

17 NOV 1966



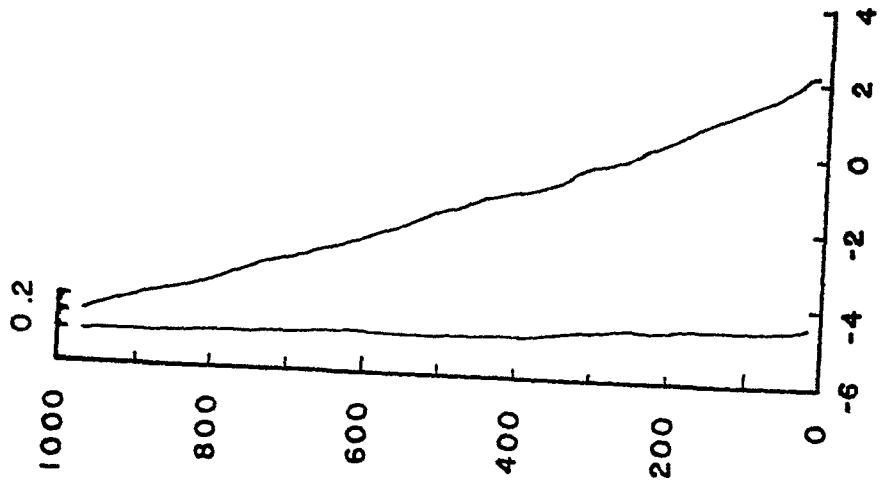
17 NOV 1966





1307

5 DEC 1966



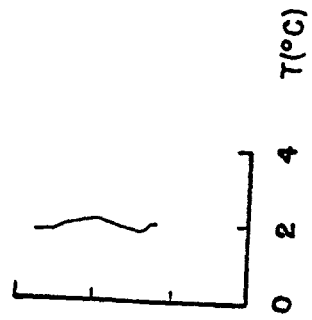
BATTERY ↓

1627



BATTERY ↓

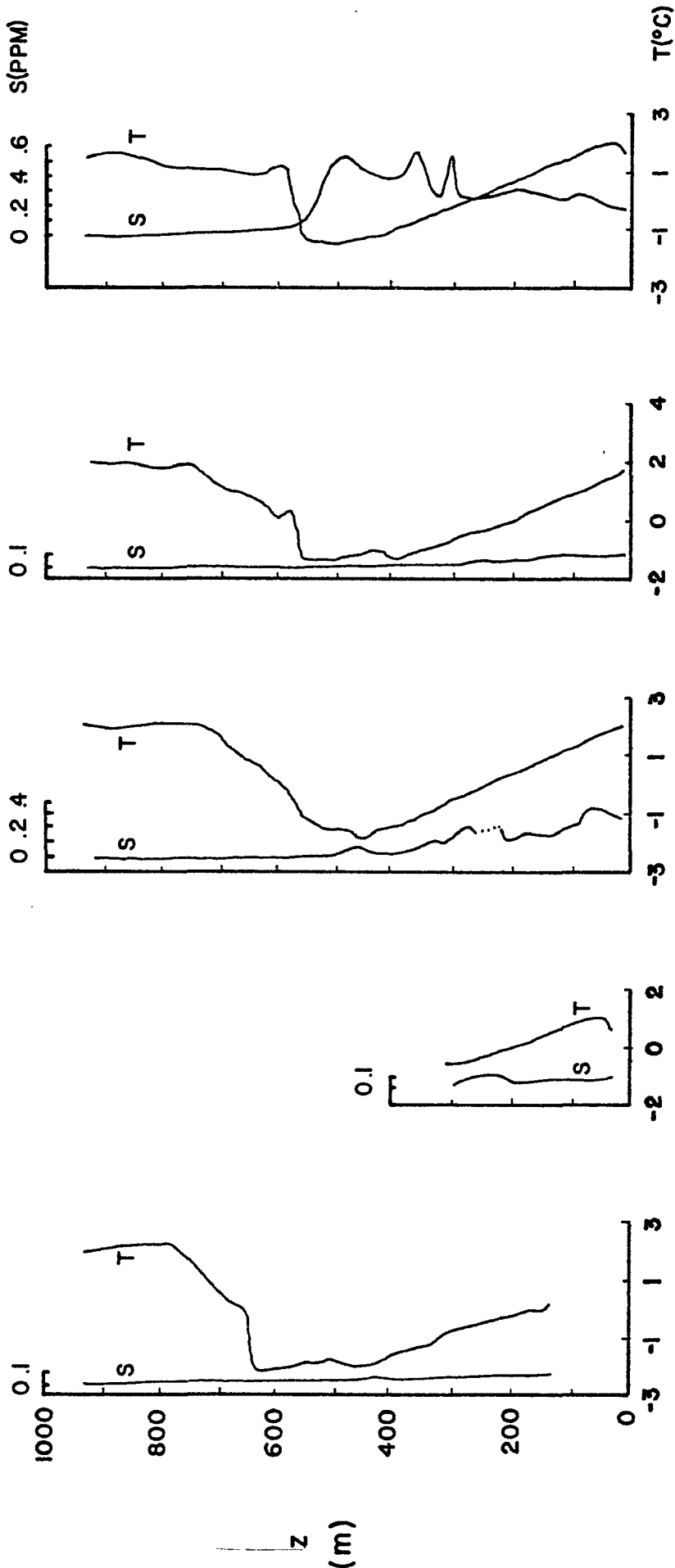
1623



WESTCHESTER ↓

1654

6 DEC 1966



ELLIS ISLAND ↑

0720

FT. WASHINGTON
PARK ↓

0705

155th STREET ↑

0700

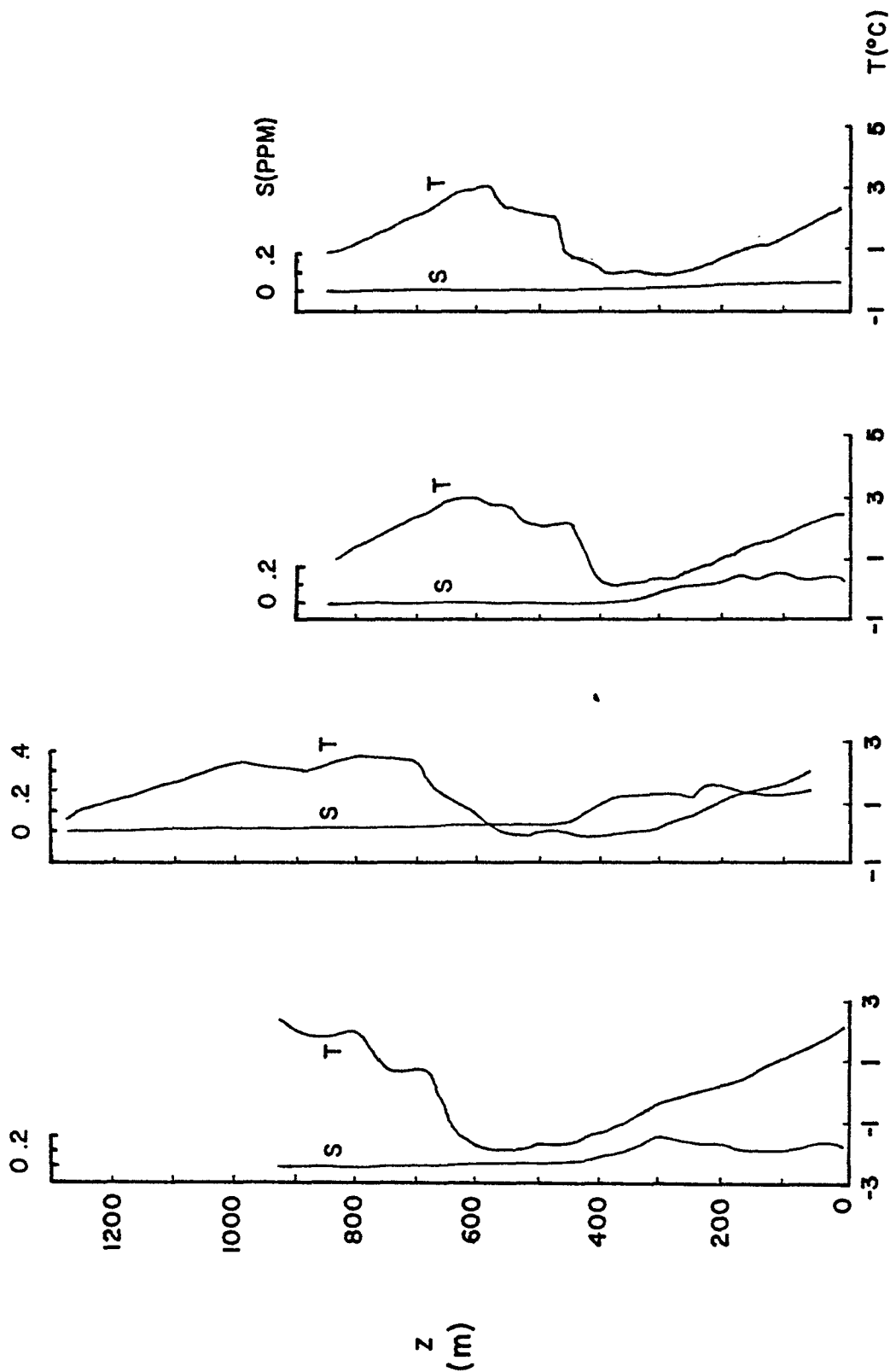
VAN CORTLAND
PARK ↓

0652

WESTCHESTER ↑

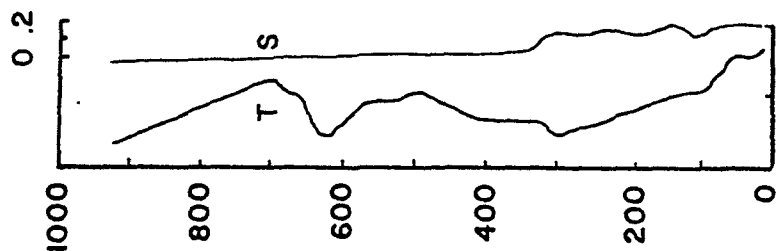
0645

6 DEC 1966



BATTERY ↓ 0725
 CYPRESS HILLS ↓ 0808
 155th STREET ↓ 0914
 FT. WASHINGTON PARK ↓ 0917

6 DEC 1966



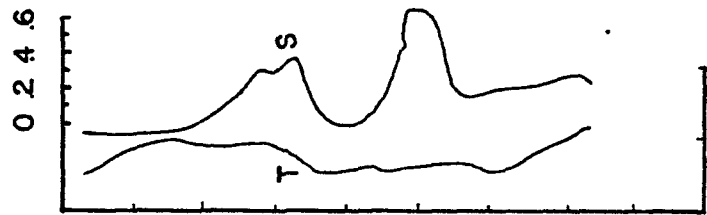
ELLIS ISLAND ↑

0933



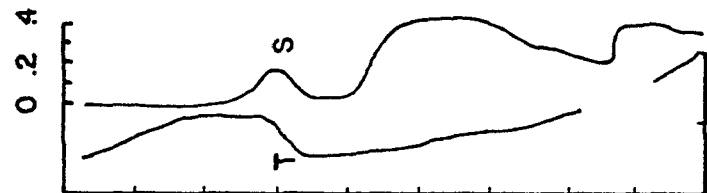
BATTERY ↓

0938



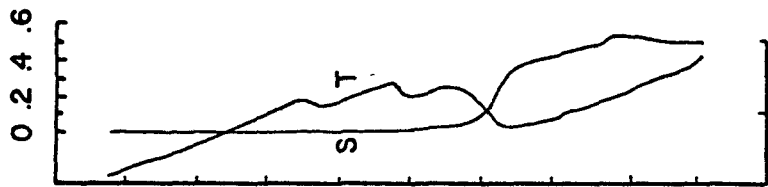
NARROWS ↑
BRIDGE

1007



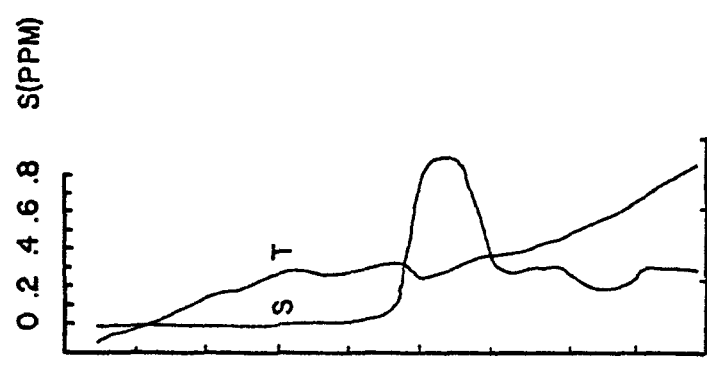
GRAVESEND BAY ↓

1011



CYPRESS
HILLS ↓

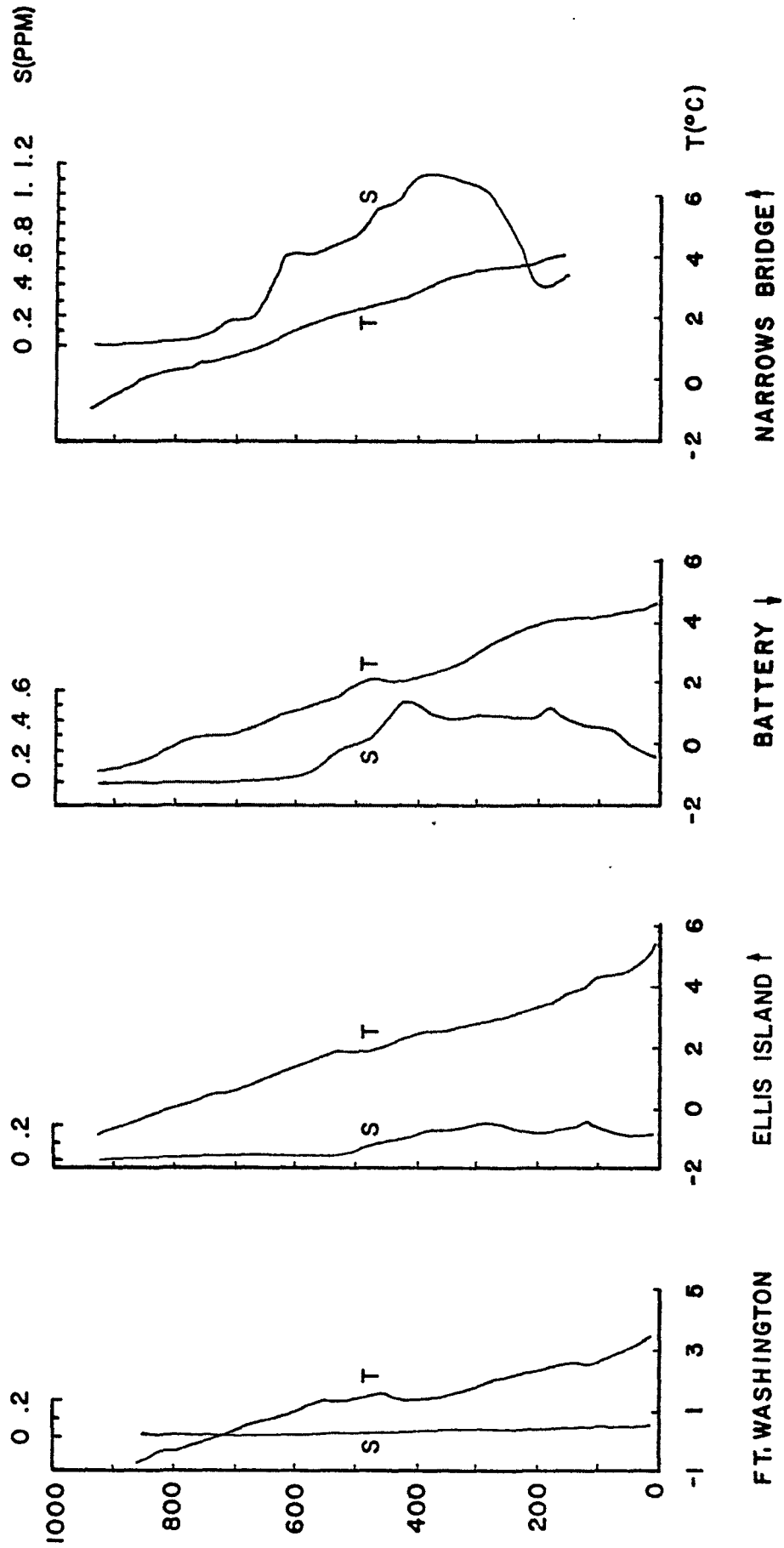
1029



155th STREET ↓

1217

6 DEC 1966



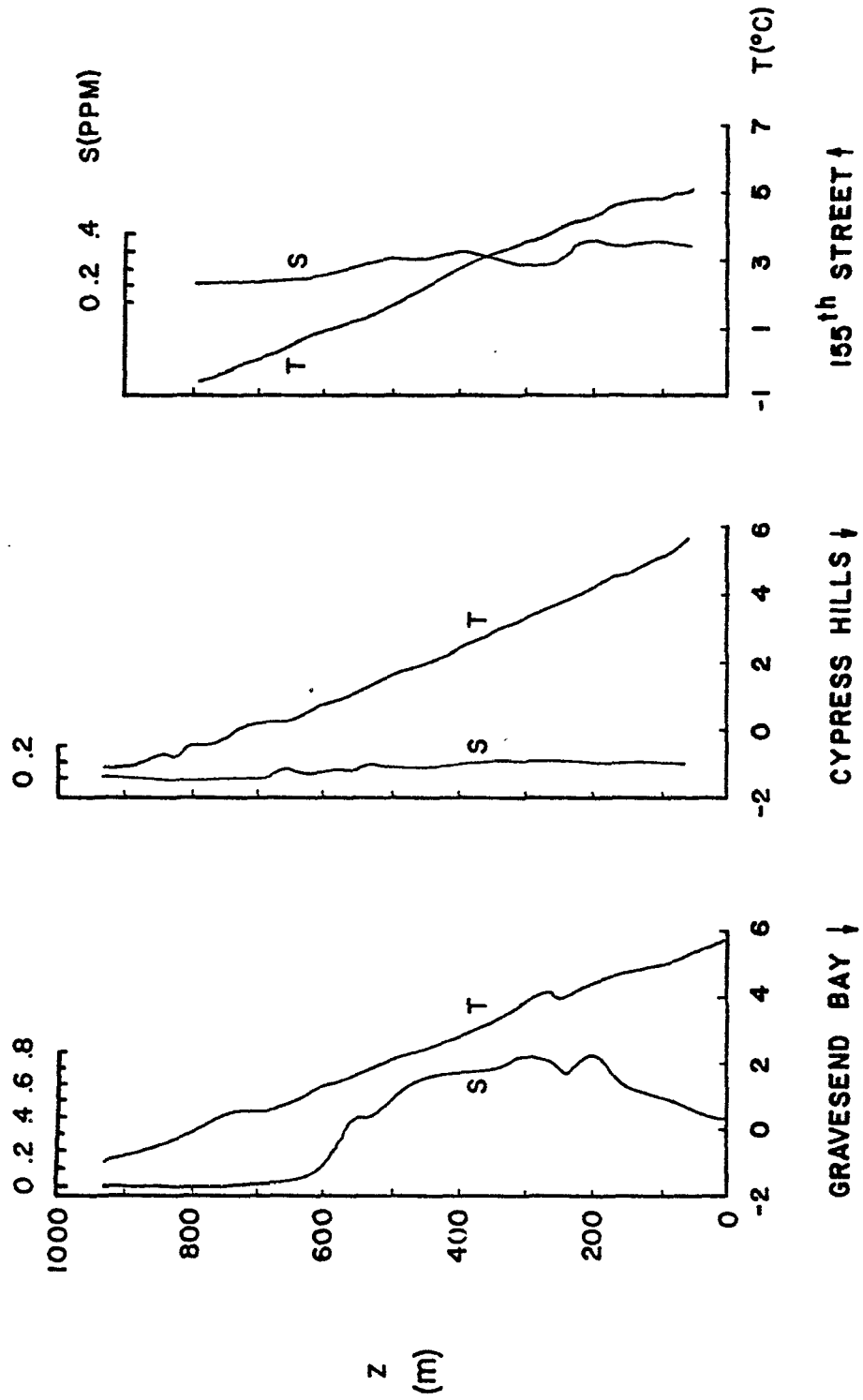
1314

1243

1237

1221

6 DEC 1966

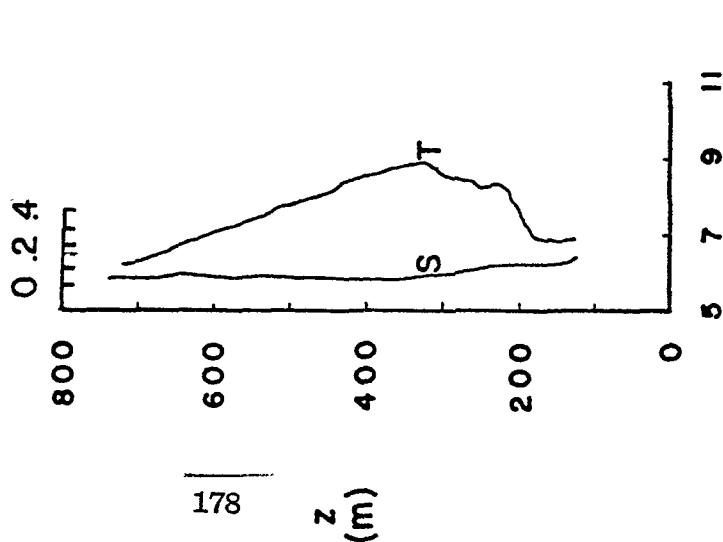


1423

1335

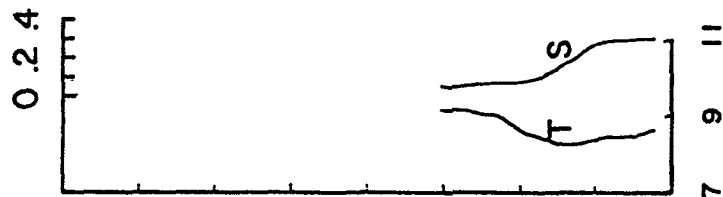
1318

7 DEC 1966



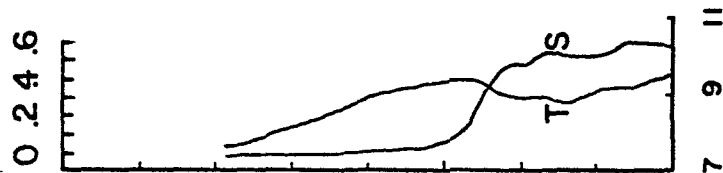
WESTCHESTER ↑

0635



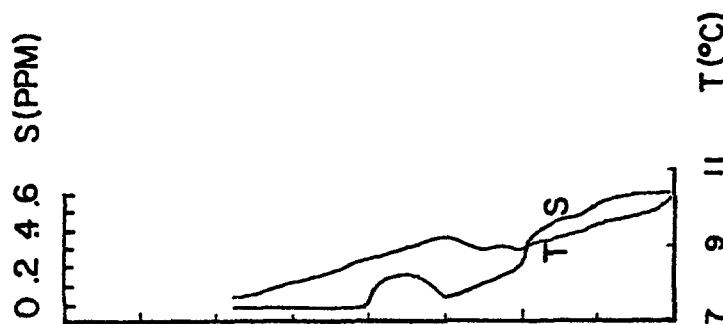
VAN CORTLAND
PARK ↑

0652



155th STREET ↑

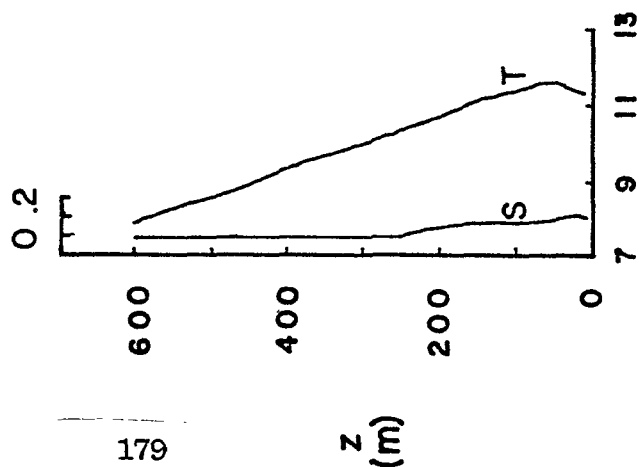
0658



FT. WASHINGTON
PARK ↑

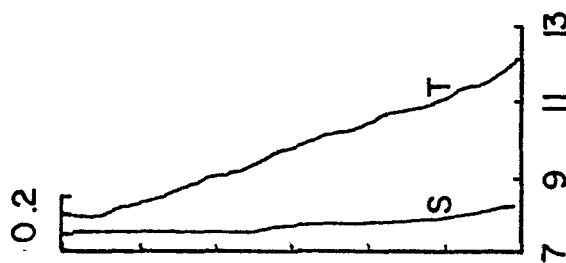
0701

7 DEC 1966



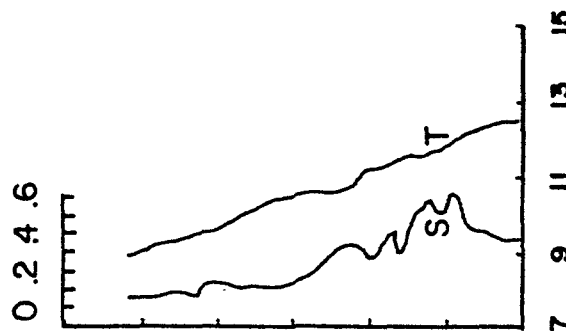
ELLIS ISLAND ↑

0715



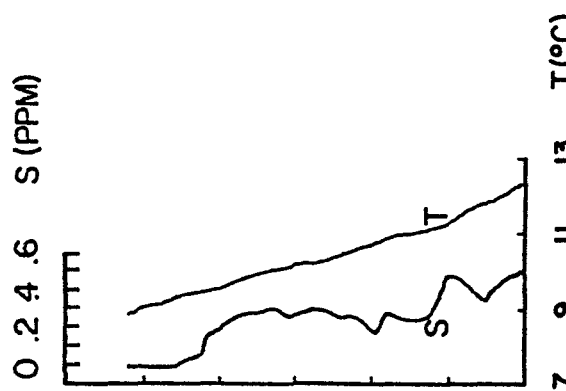
BATTERY ↓

0720



155th STREET ↑

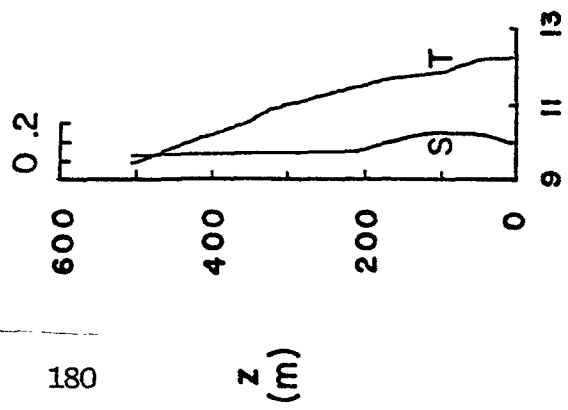
0820



FT. WASHINGTON
PARK ↓

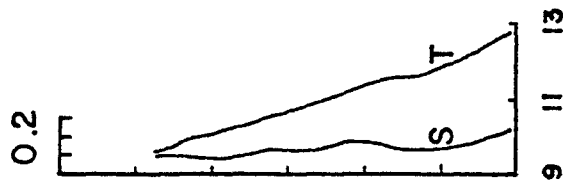
0823

7 DEC 1966



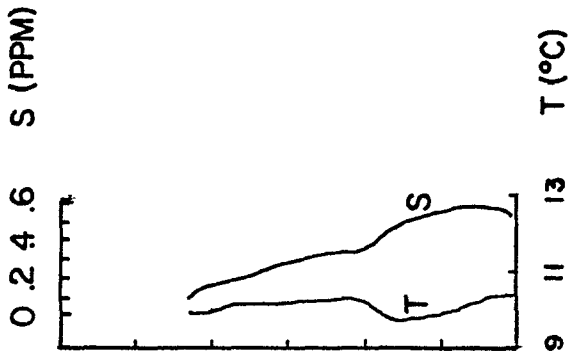
ELLIS ISLAND ↑

0849



BATTERY ↑

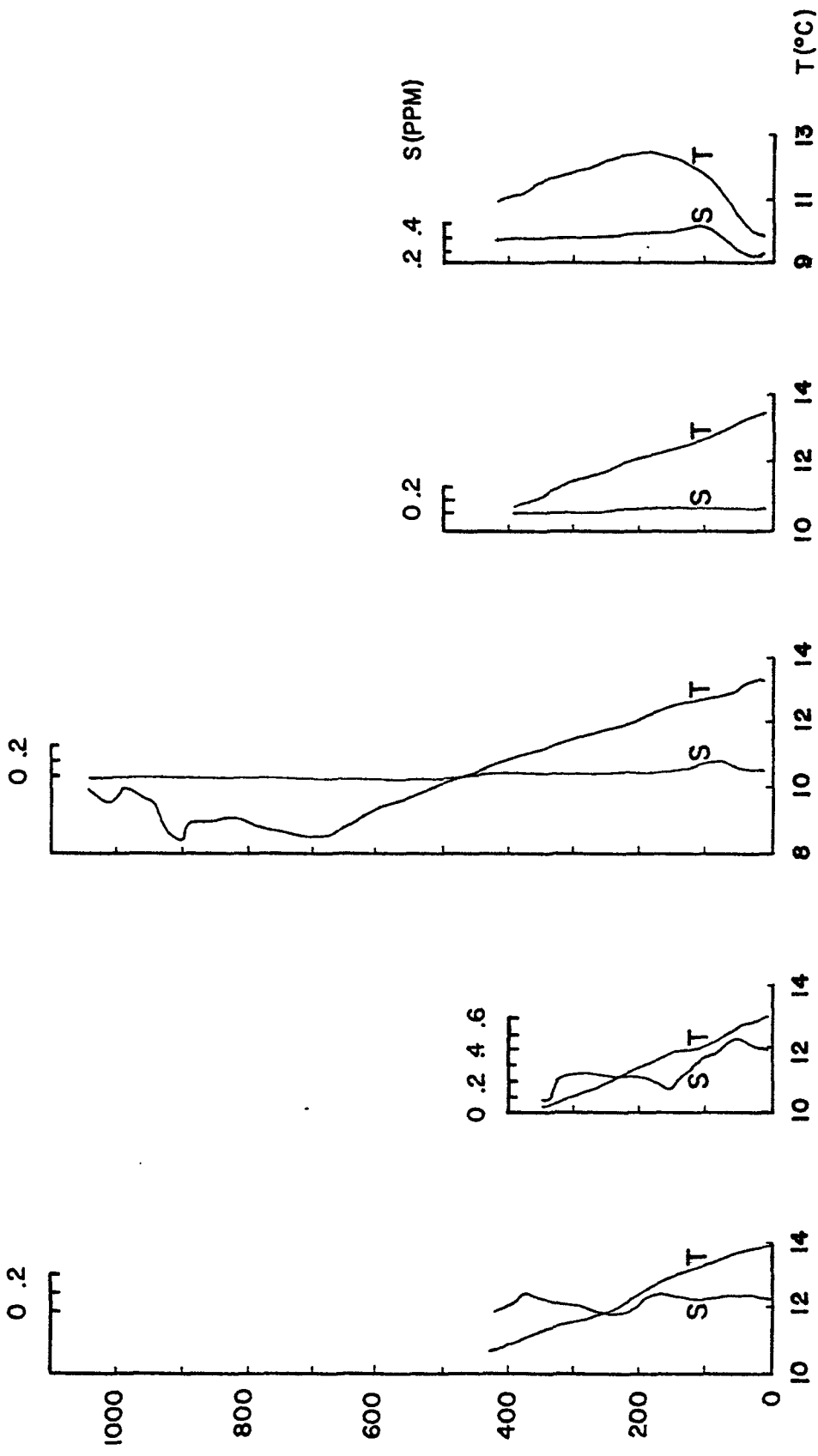
0852



YONKERS ↓

0926

7 DEC 1966



155th STREET ↑

FT. WASHINGTON
PARK ↓

ELLIS ISLAND ↑

BATTERY ↓

YONKERS ↑

1111

1114

1133

1138

1201

APPENDIX IV

HOURLY SO₂ EMISSION RATES IN TONS PER HOUR

March, 1966

P - 2

t (EST)	3/8	3/9	3/10	3/11	3/12
0030	1.42	1.42	1.32	1.42	1.42
0130	1.42	1.42	1.32	1.42	1.42
0230	1.28	1.42	1.42	1.42	1.42
0330	1.14	1.42	1.42	1.42	1.42
0430	1.21	1.42	1.42	1.42	1.42
0530	1.28	1.42	1.42	1.42	1.42
0630	1.49	1.42	1.35	1.42	1.42
0730	1.70	1.56	1.56	1.66	1.74
0830	1.77	1.56	1.77	1.77	1.77
0930	1.77	1.56	1.77	1.77	1.77
1030	1.77	1.56	1.56	1.77	1.77
1130	1.77	1.56	1.56	1.77	1.77
1230	1.77	1.56	1.66	1.77	1.77
1330	1.77	1.77	1.77	1.77	1.77
1430	1.77	1.77	1.77	1.77	1.77
1530	1.77	1.77	1.77	1.77	1.77
1630	1.77	1.77	1.77	1.77	1.77
1730	1.77	1.77	1.77	1.77	1.77
1830	1.77	1.77	1.77	1.77	1.77
1930	1.77	1.77	1.77	1.77	1.77
2030	1.77	1.77	1.77	1.77	1.77
2130	1.77	1.77	1.77	1.77	1.77
2230	1.42	1.70	1.77	1.77	1.77
2330	1.42	1.42	1.56	1.49	1.56

March, 1966

P - 7

t (EST)	3/8	3/9	3/10	3/11	3/12
0030	0.19	0.17	0.17	0.17	0.13
0130	0.17	0.18	0.17	0.17	0.13
0230	0.17	0.18	0.18	0.17	0.13
0330	0.17	0.18	0.18	0.18	0.13
0430	0.17	0.18	0.18	0.18	0.13
0530	0.24	0.33	0.32	0.28	0.13
0630	0.54	0.58	0.58	0.50	0.18
0730	0.48	0.57	0.58	0.55	0.28
0830	0.58	0.58	0.58	0.56	0.31
0930	0.59	0.57	0.58	0.56	0.31
1030	0.58	0.50	0.46	0.55	0.31
1130	0.55	0.50	0.51	0.56	0.30
1230	0.55	0.52	0.58	0.56	0.30
1330	0.55	0.50	0.41	0.55	0.30
1430	0.57	0.50	0.52	0.55	0.31
1530	0.60	0.50	0.57	0.57	0.30
1630	0.60	0.50	0.57	0.56	0.30
1730	0.60	0.50	0.57	0.56	0.30
1830	0.60	0.50	0.54	0.50	0.30
1930	0.43	0.43	0.42	0.42	0.30
2030	0.43	0.43	0.40	0.42	0.26
2130	0.44	0.42	0.39	0.42	0.25
2230	0.43	0.39	0.39	0.39	0.25
2330	0.30	0.29	0.34	0.31	0.29

March, 1966

P - 9

t (EST)	3/8	3/9	3/10	3/11	3/12
0030	0.94	0.46	0.98	1.46	1.63
0130	0.62	0.46	0.98	0.91	1.14
0230	0.39	0.36	0.94	0.68	0.88
0330	0.39	0.36	0.81	0.68	0.59
0430	0.39	0.39	0.94	0.68	0.59
0530	0.91	0.65	1.24	1.11	0.91
0630	1.17	1.31	1.56	1.56	1.14
0730	2.54	1.51	2.93	2.67	1.69
0830	3.18	1.93	3.67	4.36	2.05
0930	3.18	2.04	3.48	4.19	2.15
1030	2.73	2.00	3.22	3.84	1.96
1130	2.60	1.83	2.86	3.48	2.28
1230	2.47	2.02	2.67	3.38	1.40
1330	2.73	1.70	2.47	3.06	1.37
1430	2.57	1.76	2.47	2.83	1.37
1530	3.35	1.61	2.60	3.64	1.30
1630	2.67	1.61	2.44	4.03	2.34
1730	2.63	1.79	2.93	4.10	3.25
1830	2.70	1.53	3.32	3.90	2.73
1930	2.47	1.55	3.25	3.64	2.60
2030	2.70	1.43	3.38	3.06	2.60
2130	1.63	1.15	2.70	2.44	2.47
2230	1.46	0.98	2.41	2.34	2.34
2330	1.24	0.47	1.69	1.92	1.89

March, 1966

P - 10

t (EST)	3/8	3/9	3/10	3/11	3/12
0030	0.23	0.23	0.23	0.23	0.23
0130	0.23	0.23	0.23	0.23	0.23
0230	0.23	0.23	0.23	0.23	0.23
0330	0.23	0.23	0.23	0.23	0.23
0430	0.23	0.23	0.23	0.23	0.23
0530	0.23	0.23	0.23	0.23	0.23
0630	1.05	0.94	1.24	0.98	0.79
0730	0.97	1.13	1.24	0.98	3.39
0830	0.84	0.75	1.13	0.57	3.20
0930	0.84	0.75	1.13	0.57	3.20
1030	0.84	0.75	1.13	0.57	3.20
1130	0.84	0.75	1.13	0.57	3.20
1230	0.84	0.75	1.13	0.57	3.20
1330	0.84	0.75	1.13	0.57	3.20
1430	0.84	0.57	0.79	0.64	3.02
1530	0.84	0.57	0.79	0.64	3.02
1630	0.84	0.57	0.79	0.64	3.02
1730	0.84	0.57	0.79	0.64	3.02
1830	0.84	0.45	0.79	0.64	3.02
1930	0.57	0.45	0.79	0.64	3.02
2030	0.23	0.23	0.23	0.64	0.19
2130	0.23	0.23	0.23	0.23	0.19
2230	0.23	0.23	0.23	0.23	0.23
2330	0.23	0.23	0.23	0.23	0.23

March, 1966

P - 11

t (EST)	3/8	3/9	3/10	3/11	3/12
0030	0.56	1.06	0.77	0.59	1.01
0130	0.56	0.77	0.38	0.36	0.47
0230	0.56	0.43	0.38	0.36	0.41
0330	0.56	0.43	0.38	0.36	0.41
0430	0.56	0.43	0.38	0.36	0.41
0530	0.63	0.72	0.65	0.52	0.41
0630	0.88	1.06	1.04	0.97	0.59
0730	1.15	1.71	1.42	1.15	0.74
0830	1.82	2.05	2.00	1.87	1.13
0930	2.03	2.18	2.00	2.16	1.55
1030	2.09	2.09	2.00	2.36	1.55
1130	2.00	1.96	2.00	2.50	1.69
1230	2.09	2.00	1.87	2.57	1.58
1330	2.09	2.12	1.58	2.57	1.40
1430	2.00	2.12	1.06	2.57	1.40
1530	2.03	2.12	1.13	2.57	1.40
1630	2.07	2.12	1.22	2.57	1.40
1730	2.07	2.21	1.40	2.57	1.71
1830	2.03	2.30	1.53	2.57	2.07
1930	1.89	1.89	1.51	2.39	1.76
2030	1.73	1.35	1.42	2.03	1.58
2130	1.53	1.22	1.01	1.85	1.58
2230	1.24	1.22	0.70	1.64	1.49
2330	1.24	1.22	0.70	1.22	1.24

March, 1966

P - 13

t (EST)	3/8	3/9	3/10	3/11	3/12
0030	1.74	1.35	1.73	1.73	1.59
0130	1.74	1.35	1.73	1.50	1.93
0230	1.74	1.35	1.83	1.53	1.93
0330	1.74	1.38	1.74	1.53	1.93
0430	1.74	1.38	1.74	1.53	1.93
0530	1.96	1.81	1.87	2.32	1.87
0630	2.68	3.18	2.49	2.66	1.76
0730	3.62	3.33	3.36	3.51	1.79
0830	3.94	3.06	3.42	3.74	1.86
0930	4.04	3.14	3.47	4.50	1.86
1030	3.80	3.18	3.43	4.50	1.86
1130	3.60	3.12	3.46	4.52	1.86
1230	3.48	3.05	3.06	4.41	1.86
1330	3.42	3.16	3.34	4.52	1.86
1430	3.42	3.10	3.35	4.52	2.17
1530	3.63	3.31	3.43	4.63	2.22
1630	3.61	3.70	3.71	4.54	2.19
1730	3.61	3.70	3.78	4.54	2.63
1830	3.61	3.67	4.03	4.32	2.80
1930	3.70	3.26	3.97	3.24	2.51
2030	2.70	3.31	2.96	3.03	2.24
2130	2.95	2.90	3.00	2.56	2.24
2230	3.13	2.59	3.00	1.97	2.24
2330	2.65	2.02	2.56	2.35	2.22

March, 1966

P - 14

t (EST)	3/8	3/9	3/10	3/11	3/12
0030	8.84	10.53	10.08	6.74	7.14
0130	7.79	9.23	9.04	6.50	6.46
0230	7.59	9.26	8.40	6.07	6.18
0330	7.88	9.01	8.09	5.95	6.07
0430	8.21	9.00	8.26	6.12	6.09
0530	9.07	9.28	9.10	6.64	6.12
0630	9.77	9.71	9.92	7.22	6.26
0730	13.21	13.13	12.54	9.04	6.90
0830	15.65	15.61	15.83	9.17	7.19
0930	16.08	15.53	15.35	9.17	8.33
1030	16.03	15.59	16.31	9.20	8.37
1130	16.02	15.59	16.31	9.20	8.38
1230	15.88	15.59	16.31	9.20	8.41
1330	16.02	15.59	16.31	9.12	7.77
1430	16.00	15.68	16.22	9.12	7.76
1530	16.01	16.03	16.18	9.12	7.69
1630	16.01	16.24	16.12	9.10	8.20
1730	16.10	16.17	16.08	9.10	9.14
1830	16.10	16.18	16.10	9.10	9.16
1930	16.09	16.18	15.20	9.02	9.14
2030	16.09	16.18	13.36	9.03	9.10
2130	14.90	14.92	11.13	8.95	8.85
2230	13.10	12.94	8.75	8.69	8.41
2330	11.07	10.53	6.72	7.26	7.66

March, 1966

P - 15

t (EST)	3/8	3/9	3/10	3/11	3/12
0030	0.21	0.20	0.22	0.22	0.23
0130	0.22	0.20	0.22	0.21	0.21
0230	0.22	0.20	0.22	0.22	0.21
0330	0.22	0.21	0.22	0.22	0.21
0430	0.22	0.21	0.22	0.22	0.21
0530	0.29	0.29	0.28	0.22	0.21
0630	0.49	0.47	0.42	0.42	0.31
0730	0.60	0.53	0.55	0.66	0.32
0830	0.67	0.67	0.70	0.72	0.32
0930	0.66	0.69	0.70	0.72	0.32
1030	0.66	0.67	0.70	0.71	0.51
1130	0.66	0.64	0.70	0.71	0.51
1230	0.66	0.67	0.69	0.71	0.50
1330	0.66	0.68	0.70	0.72	0.50
1430	0.63	0.68	0.70	0.72	0.50
1530	0.67	0.65	0.71	0.72	0.50
1630	0.68	0.67	0.71	0.72	0.50
1730	0.68	0.67	0.70	0.72	0.50
1830	0.67	0.58	0.64	0.65	0.50
1930	0.48	0.48	0.52	0.53	0.50
2030	0.48	0.48	0.53	0.52	0.42
2130	0.48	0.47	0.52	0.51	0.43
2230	0.48	0.26	0.52	0.51	0.42
2330	0.21	0.24	0.40	0.39	0.31

March, 1966

P - 16

t (EST)	3/8	3/9	3/10	3/11	3/12
0030	5.88	4.20	5.33	6.05	5.33
0130	5.83	4.20	4.85	5.88	5.21
0230	5.59	3.82	4.35	5.75	4.96
0330	5.21	4.05	4.22	5.59	4.96
0430	5.44	4.35	4.19	5.75	4.96
0530	5.49	4.69	4.40	6.09	5.17
0630	5.81	5.17	5.26	6.34	5.21
0730	6.29	5.63	6.41	6.93	5.29
0830	6.34	6.51	6.83	7.10	5.29
0930	6.34	6.87	6.97	7.10	5.88
1030	6.03	6.87	6.76	7.10	5.88
1130	5.84	6.87	6.93	6.76	5.88
1230	5.84	6.87	6.93	6.30	5.88
1330	5.84	6.87	6.93	6.97	5.88
1430	5.88	6.75	7.01	7.01	5.88
1530	5.59	6.75	7.01	7.06	5.92
1630	5.59	6.89	6.97	7.06	5.88
1730	5.84	6.96	6.97	7.01	5.92
1830	5.84	6.96	7.01	6.96	5.88
1930	5.84	7.00	6.97	6.18	5.88
2030	5.42	7.00	6.89	5.84	5.92
2130	5.50	6.96	6.97	5.84	5.67
2230	5.33	6.45	6.80	5.67	5.71
2330	4.66	5.43	6.13	5.50	5.63

March, 1966

P - 17

t (EST)	3/8	3/9	3/10	3/11	3/12
0030	1.15	1.46	1.15	1.74	1.99
0130	1.18	1.46	0.99	1.54	2.01
0230	1.15	1.13	0.90	1.67	2.01
0330	1.12	1.10	0.82	1.61	1.96
0430	1.12	1.17	1.21	1.67	1.68
0530	2.23	2.05	1.94	1.61	1.76
0630	3.68	4.25	3.37	4.01	2.45
0730	4.30	5.16	4.70	5.45	2.71
0830	4.19	6.28	5.14	6.64	2.96
0930	4.19	6.26	5.05	6.20	3.68
1030	4.19	6.28	4.96	6.26	4.28
1130	3.92	5.78	3.73	5.97	3.71
1230	3.59	6.37	4.19	5.53	3.09
1330	3.66	5.54	4.56	5.60	3.61
1430	3.57	5.53	5.22	4.89	3.71
1530	3.86	5.44	5.31	5.62	3.22
1630	3.64	5.38	5.16	5.71	3.40
1730	3.68	5.84	5.78	6.24	3.53
1830	3.73	5.14	5.47	5.56	3.70
1930	3.75	5.22	4.30	5.36	2.56
2030	3.92	4.87	4.94	5.62	2.71
2130	4.03	3.71	3.99	4.70	2.34
2230	2.90	2.93	3.00	2.65	2.27
2330	1.39	1.39	2.18	2.01	2.10

November, 1966

P - 2

t (EST)	11/15	11/16	11/17
0030	1.63	2.13	1.70
0130	1.49	1.89	1.49
0230	1.35	1.56	1.21
0330	1.21	1.42	1.14
0430	1.28	1.49	1.28
0530	1.63	1.77	1.63
0630	1.77	1.89	2.06
0730	2.34	2.48	2.51
0830	2.51	2.51	2.60
0930	2.60	2.51	2.60
1030	2.56	2.51	2.60
1130	2.56	2.51	2.60
1230	2.56	2.51	2.60
1330	2.56	2.51	2.60
1430	2.56	2.51	2.60
1530	2.51	2.48	2.60
1630	2.77	2.63	2.77
1730	2.63	2.63	2.56
1830	2.41	2.56	2.56
1930	2.48	2.48	2.60
2030	2.51	2.48	2.60
2130	2.48	2.48	2.45
2230	2.51	2.41	2.45
2330	2.31	2.34	2.06

November, 1966

P - 7

t (EST)	11/15	11/16	11/17
0030	0.14	0.14	0.17
0130	0.14	0.15	0.17
0230	0.14	0.16	0.17
0330	0.15	0.16	0.17
0430	0.15	0.16	0.15
0530	0.26	0.30	0.27
0630	0.42	0.48	0.46
0730	0.48	0.54	0.63
0830	0.49	0.53	0.71
0930	0.50	0.53	0.60
1030	0.41	0.53	0.51
1130	0.39	0.40	0.47
1230	0.53	0.47	0.43
1330	0.43	0.48	0.42
1430	0.47	0.48	0.44
1530	0.49	0.48	0.54
1630	0.53	0.53	0.64
1730	0.53	0.68	0.62
1830	0.50	0.68	0.67
1930	0.50	0.68	0.64
2030	0.35	0.53	0.44
2130	0.23	0.43	0.30
2230	0.20	0.33	0.20
2330	0.14	0.17	0.24

November, 1966

P - 9

t (EST)	11/15	11/16	11/17
0030	0.65	0.65	0.65
0130	0.46	0.46	0.46
0230	0.46	0.46	0.46
0330	0.46	0.46	0.46
0430	0.46	0.46	0.46
0530	0.65	0.65	0.65
0630	1.04	1.11	1.37
0730	1.95	1.79	1.79
0830	2.73	2.77	2.80
0930	2.57	3.00	2.80
1030	2.89	2.97	2.67
1130	3.45	2.61	2.73
1230	2.80	2.12	3.02
1330	3.25	2.61	3.09
1430	2.80	2.64	3.35
1530	2.37	3.07	3.06
1630	4.13	4.47	3.84
1730	3.64	3.75	3.25
1830	3.45	3.46	3.38
1930	3.38	2.90	3.15
2030	3.15	2.97	2.80
2130	1.69	2.80	2.05
2230	1.59	2.12	1.50
2330	1.11	1.08	1.30

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P - 10

t (EST)	11/15	11/16	11/17
0030	0.23	0.23	0.23
0130	0.23	0.23	0.23
0230	0.23	0.23	0.23
0330	0.23	0.23	0.23
0430	0.23	0.23	0.23
0530	0.23	0.23	0.23
0630	0.98	1.13	0.83
0730	2.07	0.98	0.30
0830	3.02	1.32	0.30
0930	3.02	1.32	0.30
1030	3.02	0.98	0.30
1130	3.02	0.98	0.30
1230	2.45	0.98	0.30
1330	2.45	0.98	0.30
1430	2.45	1.06	0.30
1530	2.45	1.92	0.30
1630	2.45	1.92	0.30
1730	2.45	1.92	0.30
1830	2.45	1.92	0.30
1930	2.04	1.70	0.30
2030	0.68	1.32	0.30
2130	0.23	0.23	0.30
2230	0.23	0.23	0.38
2330	0.23	0.23	0.38

November, 1966

P - 11

t (EST)	11/15	11/16	11/17
0030	4.08	3.15	2.91
0130	3.71	2.96	2.91
0230	3.33	2.96	2.91
0330	3.33	2.96	2.91
0430	3.33	2.96	2.91
0530	3.42	2.96	3.00
0630	3.99	3.62	3.59
0730	5.23	5.15	5.33
0830	6.46	6.00	7.17
0930	7.03	6.34	10.36
1030	7.03	6.39	8.14
1130	6.56	6.77	8.14
1230	6.46	6.77	6.46
1330	7.51	6.77	7.75
1430	7.51	6.77	8.14
1530	7.51	6.96	8.33
1630	8.83	8.11	9.11
1730	9.22	8.11	9.11
1830	7.60	6.87	7.27
1930	6.56	6.49	5.91
2030	6.37	6.10	4.85
2130	5.51	5.15	4.85
2230	3.14	4.20	4.26
2330	3.14	3.24	3.10

November, 1966

P - 13

t (EST)	11/15	11/16	11/17
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0030	1.54	1.41	2.06
0130	1.52	1.41	1.42
0230	1.52	1.41	1.37
0330	1.52	1.41	1.37
0430	1.52	1.41	1.37
0530	2.08	1.76	1.65
0630	4.10	2.69	2.00
0730	3.31	3.73	4.07
0830	3.58	4.50	4.39
0930	4.18	4.92	4.69
1030	4.57	4.83	4.49
1130	4.41	4.79	4.53
1230	4.20	4.86	4.14
1330	4.19	4.86	4.54
1430	4.40	4.91	4.58
1530	4.73	5.23	5.02
1630	5.15	5.64	5.32
1730	5.63	5.64	5.34
1830	5.29	4.03	4.76
1930	4.63	4.86	4.69
2030	3.81	4.31	4.69
2130	3.52	3.74	3.39
2230	3.03	3.32	2.44
2330	1.90	2.98	1.73

November, 1966

P - 14

t (EST)	11/15	11/16	11/17
0030	6.90	7.20	6.96
0130	6.91	6.73	6.78
0230	6.96	6.49	6.65
0330	6.78	6.46	6.87
0430	6.96	6.63	6.94
0530	7.38	7.08	7.65
0630	8.06	8.24	8.71
0730	11.56	10.51	10.58
0830	13.29	11.26	10.10
0930	12.89	11.28	10.21
1030	12.19	11.28	10.23
1130	12.22	11.20	10.23
1230	12.38	11.28	10.23
1330	12.38	11.28	10.23
1430	12.38	11.05	10.23
1530	12.36	11.24	10.22
1630	12.53	11.35	10.40
1730	12.56	11.40	10.40
1830	12.35	11.19	9.87
1930	11.43	10.19	9.70
2030	11.32	10.25	9.36
2130	11.31	10.11	9.20
2230	10.15	8.94	8.29
2330	8.45	7.56	7.48

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P - 15

t (EST)	11/15	11/16	11/17
0030	0.22	0.25	0.16
0130	0.22	0.25	0.16
0230	0.22	0.25	0.16
0330	0.22	0.25	0.16
0430	0.22	0.25	0.16
0530	0.32	0.37	0.23
0630	0.45	0.44	0.29
0730	0.66	0.46	0.45
0830	0.67	0.45	0.45
0930	0.68	0.45	0.45
1030	0.68	0.46	0.45
1130	0.63	0.41	0.45
1230	0.66	0.45	0.45
1330	0.65	0.45	0.45
1430	0.65	0.45	0.45
1530	0.66	0.46	0.45
1630	0.65	0.47	0.44
1730	0.65	0.44	0.48
1830	0.39	0.50	0.47
1930	0.34	0.50	0.45
2030	0.37	0.50	0.46
2130	0.37	0.42	0.46
2230	0.30	0.45	0.36
2330	0.22	0.29	0.20

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P - 16

t (EST)	11/15	11/16	11/17
0030	4.61	4.40	3.74
0130	4.59	4.03	3.24
0230	4.37	3.79	2.94
0330	4.29	3.74	2.94
0430	4.66	4.07	2.94
0530	4.70	4.46	2.94
0630	5.54	4.50	3.36
0730	6.62	5.68	4.08
0830	6.85	6.30	4.25
0930	6.93	6.09	4.25
1030	6.47	6.09	4.25
1130	5.38	5.96	4.25
1230	5.42	6.14	4.41
1330	5.42	6.06	4.41
1430	6.05	6.20	4.41
1530	6.59	6.12	5.59
1630	7.17	6.16	6.19
1730	7.01	6.04	6.53
1830	6.85	4.95	6.09
1930	6.68	5.09	6.05
2030	6.72	4.50	5.84
2130	6.59	3.88	5.84
2230	6.64	3.89	5.84
2330	5.43	3.87	5.06

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P - 17

t (EST)	11/15	11/16	11/17
0030	1.76	2.32	0.88
0130	1.10	1.56	1.26
0230	0.93	1.58	1.26
0330	0.93	1.52	1.23
0430	0.93	1.69	1.23
0530	1.48	2.06	1.32
0630	3.18	3.84	2.78
0730	4.25	6.23	5.03
0830	4.26	6.81	6.62
0930	4.58	6.51	6.74
1030	5.11	5.95	5.60
1130	5.33	5.84	4.04
1230	4.65	4.49	3.31
1330	5.95	5.10	3.35
1430	6.02	5.23	3.44
1530	6.66	6.49	3.48
1630	7.59	8.85	6.15
1730	6.64	7.60	5.16
1830	5.65	7.49	4.85
1930	5.82	6.34	3.37
2030	4.81	6.53	3.35
2130	4.36	5.60	2.78
2230	2.54	4.10	2.43
2330	1.98	2.24	1.98

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P - 2

t (EST)	12/6	12/7	12/8
0030	1.42	1.77	1.35
0130	1.42	1.99	1.28
0230	1.06	1.77	1.28
0330	1.06	1.56	1.28
0430	1.06	1.28	1.28
0530	1.35	1.42	1.38
0630	1.35	1.63	1.60
0730	2.13	2.51	1.70
0830	2.63	2.60	2.27
0930	2.63	2.48	2.60
1030	2.63	2.48	2.60
1130	2.60	2.31	2.60
1230	2.60	2.31	2.48
1330	2.60	2.56	2.48
1430	2.60	2.60	2.56
1530	2.60	2.60	2.60
1630	2.60	2.56	2.63
1730	2.60	2.60	2.60
1830	2.60	2.62	2.60
1930	2.60	2.60	2.60
2030	2.60	2.60	2.60
2130	2.60	2.56	2.60
2230	2.60	2.37	2.45
2330	2.27	1.99	1.80

December, 1966

P - 7

t (EST)	12/6	12/7	12/8
0030	0.20	0.17	0.18
0130	0.17	0.17	0.18
0230	0.17	0.17	0.17
0330	0.17	0.17	0.17
0430	0.17	0.17	0.17
0530	0.23	0.17	0.28
0630	0.43	0.43	0.41
0730	0.62	0.56	0.55
0830	0.56	0.55	0.56
0930	0.55	0.56	0.49
1030	0.57	0.56	0.38
1130	0.56	0.53	0.37
1230	0.58	0.54	0.38
1330	0.59	0.55	0.39
1430	0.77	0.53	0.39
1530	0.62	0.58	0.58
1630	0.60	0.58	0.58
1730	0.55	0.58	0.55
1830	0.42	0.42	0.37
1930	0.40	0.40	0.37
2030	0.40	0.39	0.38
2130	0.40	0.39	0.37
2230	0.40	0.23	0.27
2330	0.17	0.18	0.22

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P - 9

t (EST)	12/6	12/7	12/8
0030	0.68	0.88	0.88
0130	0.65	0.52	0.62
0230	0.39	0.55	0.68
0330	0.39	0.55	0.65
0430	0.39	0.55	0.65
0530	0.85	0.98	0.81
0630	1.24	1.46	1.11
0730	1.89	1.59	1.59
0830	2.02	1.95	2.21
0930	2.28	2.21	2.11
1030	2.02	2.24	2.11
1130	2.28	2.31	2.15
1230	1.76	2.18	2.15
1330	2.47	2.21	2.28
1430	2.47	2.28	2.08
1530	2.93	2.80	2.08
1630	4.58	4.00	4.13
1730	4.42	3.48	3.58
1830	3.28	2.28	2.86
1930	2.96	1.69	1.89
2030	2.70	1.69	2.11
2130	2.28	1.24	1.14
2230	1.98	1.17	1.11
2330	1.01	1.14	0.78

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P - 10

t (EST)	12/6	12/7	12/8
0030	0.23	0.19	0.23
0130	0.23	0.19	0.23
1230	0.23	0.19	0.23
0330	0.23	0.19	0.23
0430	0.23	0.19	0.23
0530	0.23	0.19	0.23
0630	1.39	1.43	1.24
0730	0.94	1.43	0.64
0830	0.45	1.43	0.64
0930	0.45	1.43	0.64
1030	0.45	1.43	0.64
1130	0.38	1.43	0.64
1230	0.38	1.43	0.64
1330	0.38	1.43	0.64
1430	0.38	1.43	0.64
1530	0.38	1.43	0.64
1630	0.38	1.43	0.64
1730	0.38	1.43	0.64
1830	0.38	1.43	0.64
1930	0.38	1.43	0.64
2030	0.23	1.43	0.23
2130	0.23	0.23	0.23
2230	0.19	0.23	0.23
2330	0.19	0.23	0.23

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P - 11

t (EST)	12/6	12/7	12/8
0030	2.63	2.81	2.25
0130	2.81	2.25	2.25
0230	2.72	2.25	2.25
0330	2.72	2.25	2.25
0430	2.72	2.25	2.25
0530	3.38	2.25	2.34
0630	3.84	3.19	2.38
0730	6.15	5.16	5.34
0830	6.38	6.56	6.56
0930	7.22	6.56	6.56
1030	7.22	6.56	6.56
1130	7.03	5.25	6.38
1230	6.47	5.53	5.63
1330	6.56	5.53	5.63
1430	6.47	5.53	5.81
1530	6.47	5.91	6.56
1630	8.16	7.78	7.88
1730	7.87	7.78	7.88
1830	7.60	7.03	6.94
1930	6.66	6.00	5.63
2030	5.78	6.00	4.88
2130	4.18	4.88	4.88
2230	3.38	4.31	4.31
2330	2.81	4.13	3.56

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P - 13

t (EST)	12/6	12/7	12/8
0030	1.63	1.20	1.53
0130	1.54	1.20	1.53
0230	1.62	1.20	1.53
0330	1.62	1.20	1.53
0430	1.76	1.30	1.53
0530	1.69	1.78	1.84
0630	2.25	2.45	2.31
0730	3.18	2.84	3.24
0830	3.23	3.24	3.76
0930	2.80	3.83	3.83
1030	3.10	3.91	3.83
1130	3.24	4.27	3.38
1230	3.01	4.01	3.09
1330	2.72	4.01	3.09
1430	2.86	4.09	3.26
1530	3.08	4.44	3.31
1630	4.13	4.72	4.16
1730	4.15	4.35	4.28
1830	3.84	3.90	4.03
1930	3.37	3.91	3.58
2030	3.38	3.00	3.09
2130	3.36	2.32	2.41
2230	2.98	2.19	2.01
2330	2.06	2.03	1.33

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t (EST)	12/6	12/7	12/8
0030	10.08	8.08	10.47
0130	9.31	8.97	9.67
0230	9.19	9.14	8.93
0330	9.14	9.25	8.85
0430	9.27	8.91	9.16
0530	10.19	9.82	10.17
0630	12.16	11.60	11.65
0730	14.64	15.27	14.85
0830	16.85	17.31	17.43
0930	16.92	17.70	17.84
1030	17.10	17.18	17.84
1130	17.03	17.21	17.20
1230	17.03	17.30	17.18
1330	17.05	17.35	17.34
1430	17.08	17.43	17.53
1530	17.11	17.37	17.59
1630	17.41	17.62	17.81
1730	16.84	17.42	16.65
1830	16.24	16.27	14.80
1930	15.08	15.85	14.84
2030	13.49	15.76	14.80
2130	11.84	15.52	14.72
2230	10.35	13.23	13.72
2330	8.44	10.33	11.83

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P - 15

t (EST)	12/6	12/7	12/8
0030	0.22	0.37	0.24
0130	0.22	0.24	0.24
0230	0.22	0.24	0.24
0330	0.22	0.24	0.24
0430	0.22	0.24	0.22
0530	0.27	0.29	0.27
0630	0.46	0.41	0.47
0730	0.49	0.55	0.55
0830	0.57	0.64	0.60
0930	0.49	0.64	0.49
1030	0.49	0.64	0.45
1130	0.49	0.64	0.45
1230	0.49	0.64	0.45
1330	0.49	0.64	0.45
1430	0.43	0.64	0.58
1530	0.45	0.63	0.60
1630	0.61	0.63	0.60
1730	0.61	0.63	0.60
1830	0.55	0.54	0.56
1930	0.38	0.40	0.40
2030	0.39	0.40	0.39
2130	0.39	0.40	0.40
2230	0.38	0.40	0.40
2330	0.37	0.29	0.24

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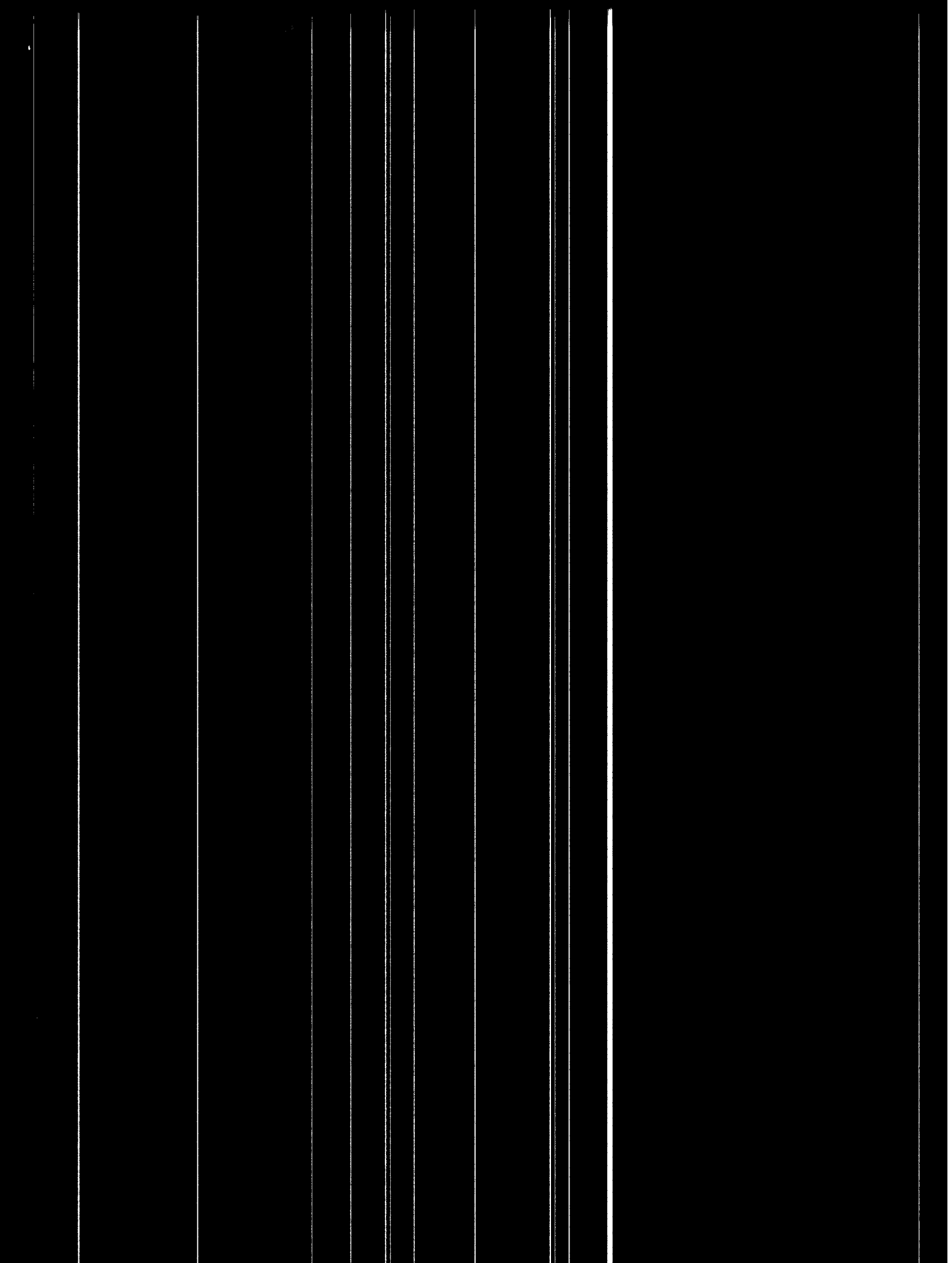
t (EST)	12/6	12/7	12/8
0030	4.70	5.38	4.03
0130	4.41	4.54	3.61
0230	4.37	3.86	3.40
0330	4.28	3.65	3.28
0430	4.54	3.07	3.28
0530	4.49	3.49	3.49
0630	4.70	3.61	4.03
0730	5.54	5.96	5.63
0830	6.33	6.88	6.26
0930	7.22	6.76	6.43
1030	7.22	6.85	6.38
1130	6.55	6.85	6.75
1230	6.59	6.85	6.69
1330	6.64	6.89	7.03
1430	6.59	6.89	7.03
1530	6.59	7.14	7.20
1630	6.59	7.18	7.20
1730	6.68	7.14	7.16
1830	6.64	7.18	7.16
1930	6.64	7.18	7.11
2030	6.64	7.18	7.24
2130	6.47	7.18	7.20
2230	6.43	6.09	5.90
2330	5.96	4.45	4.59

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P - 17

t (EST)	12/6	12/7	12/8
0030	1.59	2.12	1.24
0130	1.45	1.26	1.26
1230	1.48	1.28	1.32
0330	1.48	1.26	1.35
0430	1.45	1.52	1.28
0530	2.32	1.67	1.92
0630	3.88	4.32	3.90
0730	4.58	4.63	5.31
0830	4.39	6.81	5.33
0930	4.47	6.39	5.47
1030	4.23	6.42	5.12
1130	4.19	6.20	5.34
1230	4.28	6.28	5.34
1330	4.79	6.37	5.67
1430	4.39	6.41	5.93
1530	5.64	6.44	6.59
1630	7.92	6.75	6.42
1730	7.19	6.02	6.22
1830	6.59	5.76	6.46
1930	6.33	4.92	6.62
2030	6.53	5.47	5.34
2130	5.18	3.66	4.43
2230	2.93	2.89	2.47
2330	2.56	2.21	1.94

TECHNICAL REPORT DATA <i>(Please read Instructions on the reverse before completing)</i>		
1. REPORT NO. EPA-600/4-77-035b	2.	3. RECIPIENT'S ACCESSION NO.
4. TITLE AND SUBTITLE NEW YORK CITY AIR POLLUTION PROJECT OF 1964-1969 Volume II. Data	5. REPORT DATE August 1977	
	6. PERFORMING ORGANIZATION CODE	
7. AUTHOR(S) Robert D. Bornstein, Tim Morgan, Yam-Tong Tam, Tim Loose, Ken Leap, Jim Sigafosse, Carl Berkowitz	8. PERFORMING ORGANIZATION REPORT NO.	
9. PERFORMING ORGANIZATION NAME AND ADDRESS Department of Meteorology San Jose State University San Jose, California 95192	10. PROGRAM ELEMENT NO. 1AA009 26AAS (FY-74)	
	11. CONTRACT/GRANT NO. 68-02-1284	
12. SPONSORING AGENCY NAME AND ADDRESS Environmental Sciences Research Laboratory-RTP, NC Office of Research & Development U.S. Environmental Protection Agency Research Triangle Park, NC 27711	13. TYPE OF REPORT AND PERIOD COVERED Final 4/74-9/76	
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15. SUPPLEMENTARY NOTES Volume II, a magnetic tape, and a roll of microfilm contain aerometric field data that are available from NTIS. Volume I report number: EPA-600/4-77-035a		
16. ABSTRACT Volume II presents certain data collected during three test periods of the New York City Air Pollution Project of 1964-1969. The data include: (1) emission rates of sulfur dioxide, heat, and moisture; (2) sulfur dioxide concentrations measured from fixed stations and from automotive platforms; and (3) vertical profiles of sulfur concentrations and air temperature measured from helicopters. The remaining data, maps of airflow and sulfur dioxide concentrations on microfilm, and a magnetic tape listing of pibal observations are available from the National Technical Information Service. Volume I thoroughly describes the entire data set and is available as report number		
17. KEY WORDS AND DOCUMENT ANALYSIS		
a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
* Air pollution * Sulfur dioxide * Field tests * Meteorological data * Maps		13B 07B 14B 04B 08B
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