

AD-A114 163

OPTIMETRICS INC ANN ARBOR MI F/G 4/1
LASER PROPAGATION RESEARCH. VOLUME II. GASEOUS AND PARTICULATE --ETC(U)
NOV 80 W L FLOWERS DAAD07-80-C-0056
OMI-80-008-VOL-2-APP-A2 NL

UNCLASSIFIED

for /
Shane

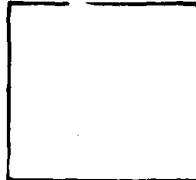


END
DATE
FILMED
8-82
DTIC

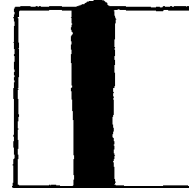
PHOTOGRAPH THIS SHEET

AD-A114 163

DTIC ACCESSION NUMBER



LEVEL



INVENTORY

Laser Propagation Research. Volume II

DOCUMENT IDENTIFICATION

Appendix A-2

Contract DAAD07-80-C-0056

Nov. 80

DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR	
NTIS	GRA&I ☒
DTIC	TAB ☐
UNANNOUNCED	☐
JUSTIFICATION	
BY <i>Per Basic Rpt.</i>	
DISTRIBUTION /	
AVAILABILITY CODES	
DIST	AVAIL AND/OR SPECIAL
<i>A</i>	

DISTRIBUTION STAMP



DTIC	
ELECTE	
S	D
MAY 6 1982	
D	

DATE ACCESSIONED

--

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

OMI-80-008(II)

AD A114163

LASER PROPAGATION RESEARCH

VOLUME II
GASEOUS AND PARTICULATE CHARACTERIZATION
OF THE ATMOSPHERE

Appendix A-2

Wayne L. Flowers

Prepared for
Atmospheric Sciences Laboratory
White Sands Missile Range, New Mexico

Contract DAAD07-80-C-0056

November 1980

OptiMetrics, Inc.

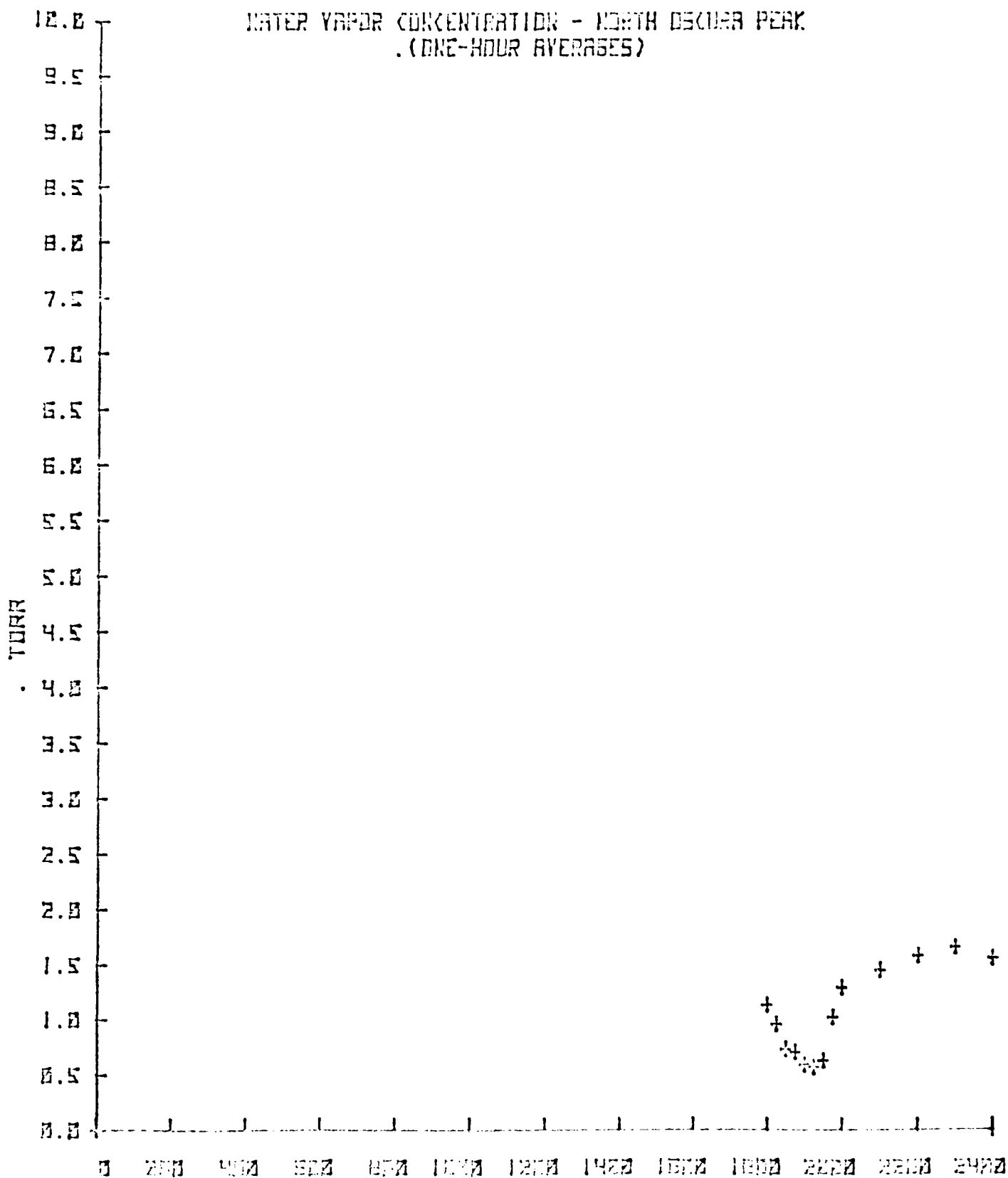
2000 Hogback Rd., Suite 3
Ann Arbor, MI 48104

DISTRIBUTION STATEMENT A

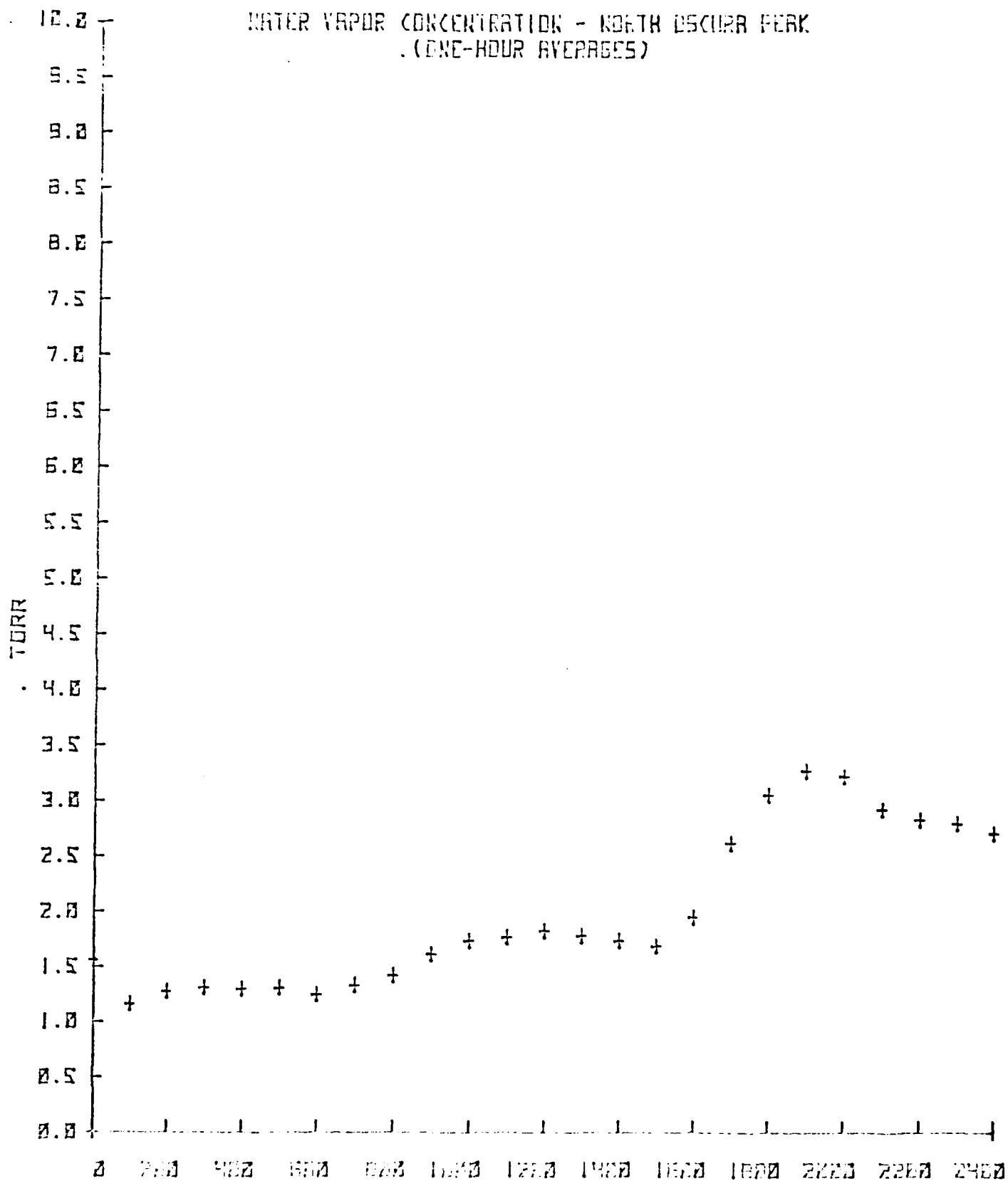
Approved for public release;
distribution unlimited

APPENDIX A-2
PLOTS OF MEASURED ATMOSPHERIC GAS
CONCENTRATIONS NOP SITE

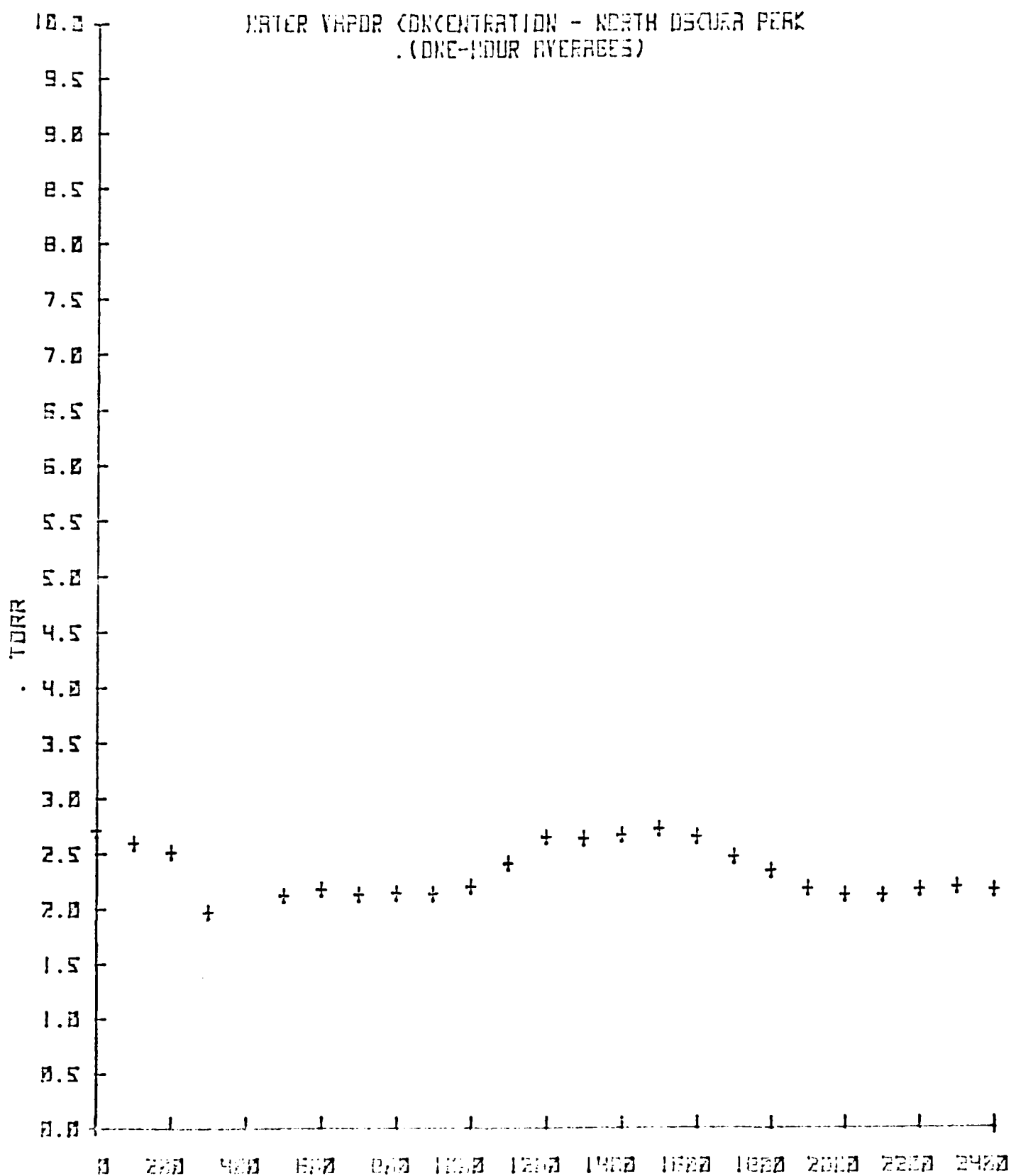
Figures A-2.57 through A-2.75. Water Vapor Measurements at NOP Site During the Period 10 April - 28 April 1980.....	83-101
Figures A-2.76 through A-2.93. Nitrous Oxide Measurements at NOP Site During the Period 10 April - 28 April 1980.....	102-119
Figures A-2.94 through A-2.96. Total Hydro- carbon Measurements at NOP Site During the Period 22 - 24 April 1980.....	120-122
Figures A-2.97 through A-2.109. Carbon Dioxide Measurements at NOP Site During the Period 10 April - 22 April 1980.....	123-135
Figures A-2.110 through A-2.128. Ozone Concentration Measurements at NOP Site During the Period 10 April - 28 April 1980.....	136-154



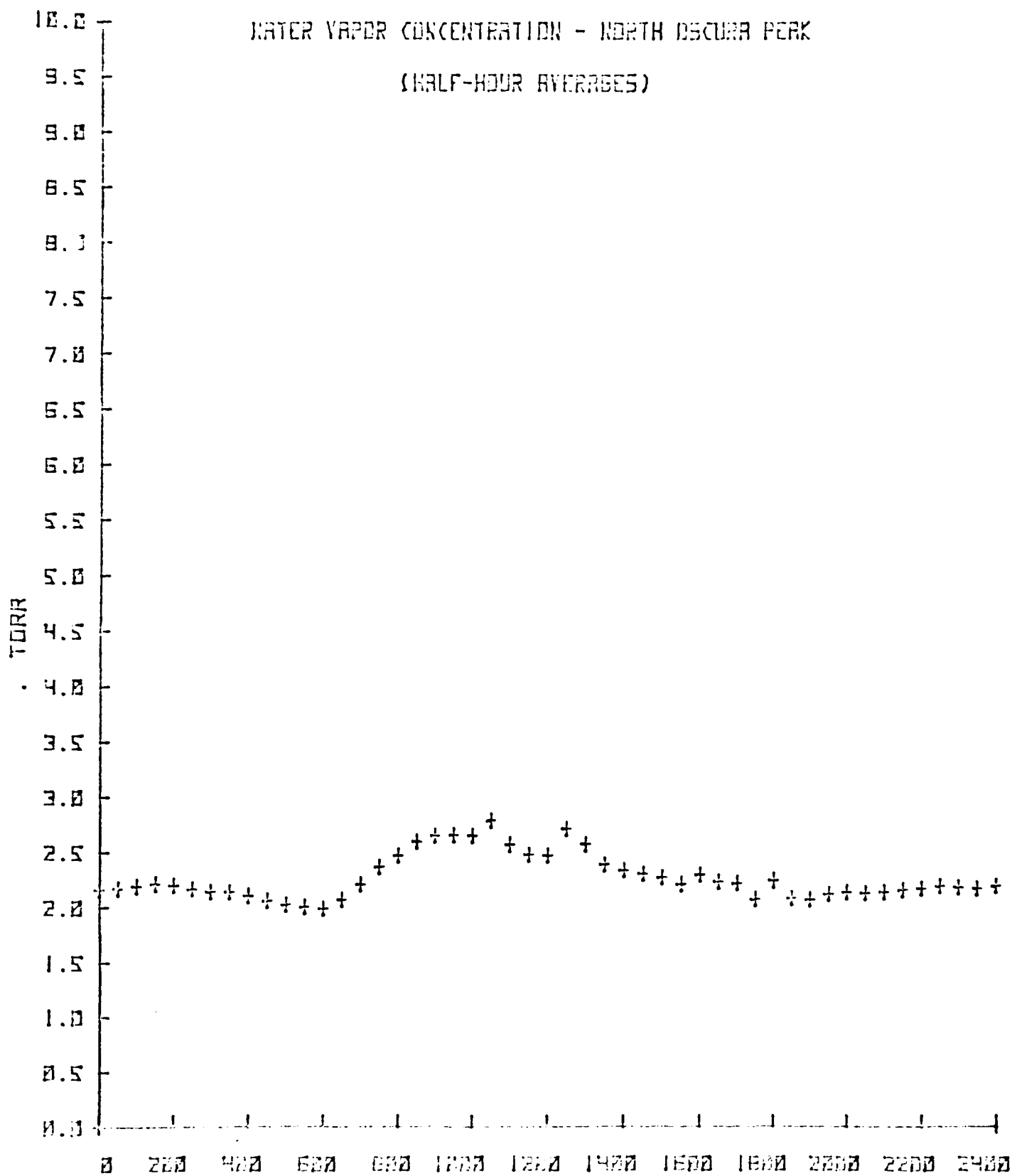
15T
10 APRIL 1960
FIGURE A-2.57



. 85T
11 APRIL 1960
FIGURE A-2.58

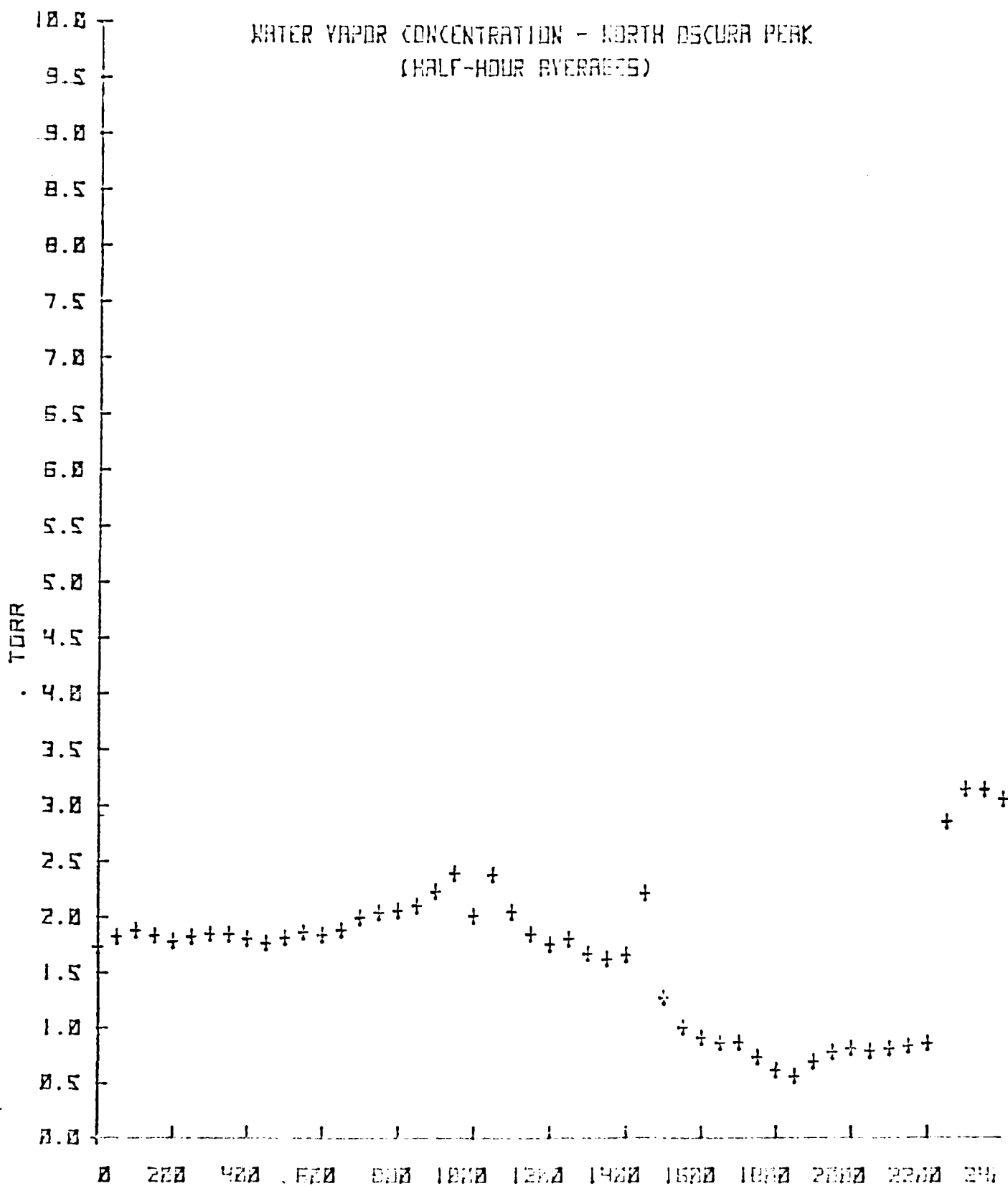


IST
12 APRIL 1960
FIGURE A-2.59



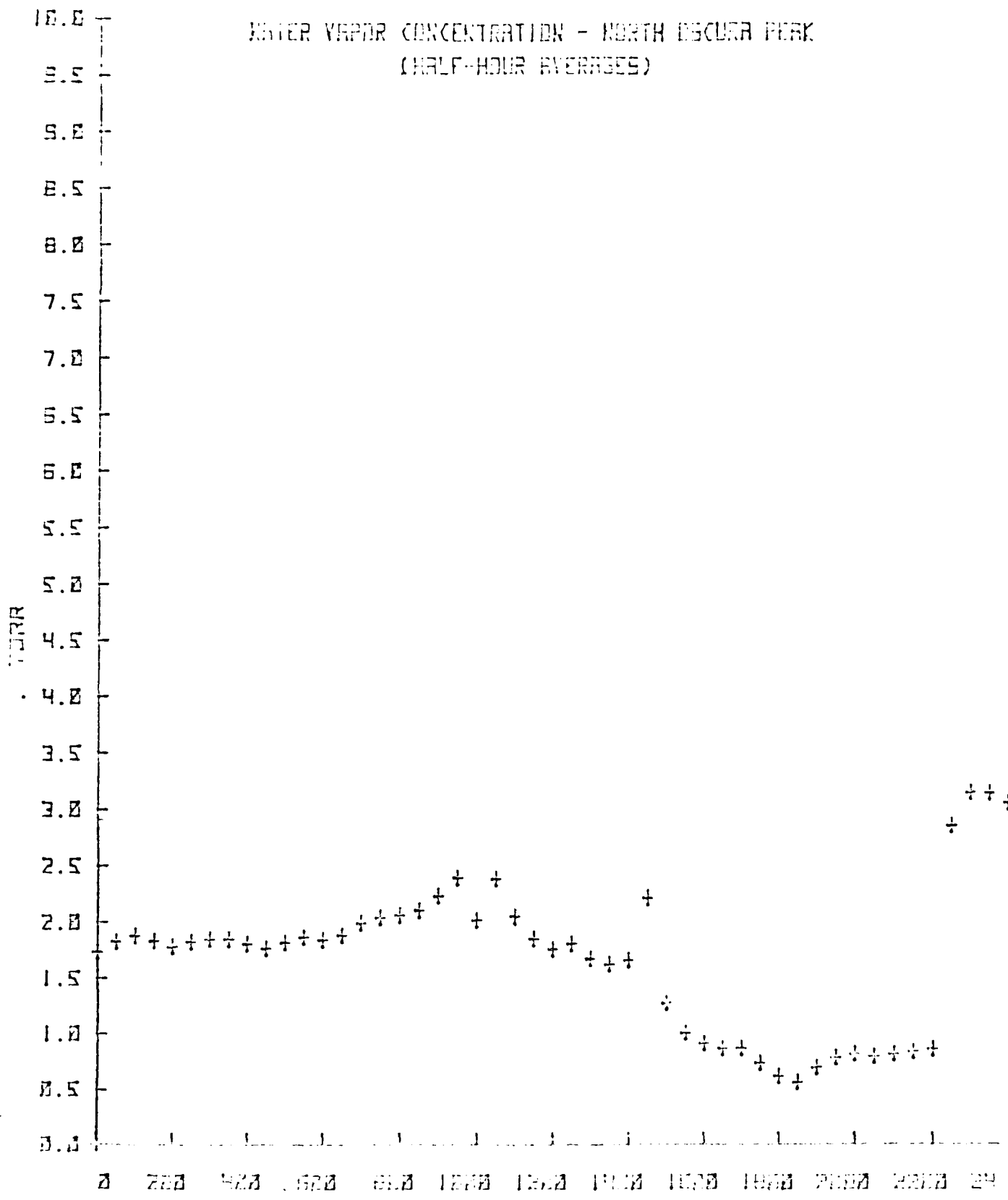
HST
13 APRIL 1960

FIGURE A-2.60



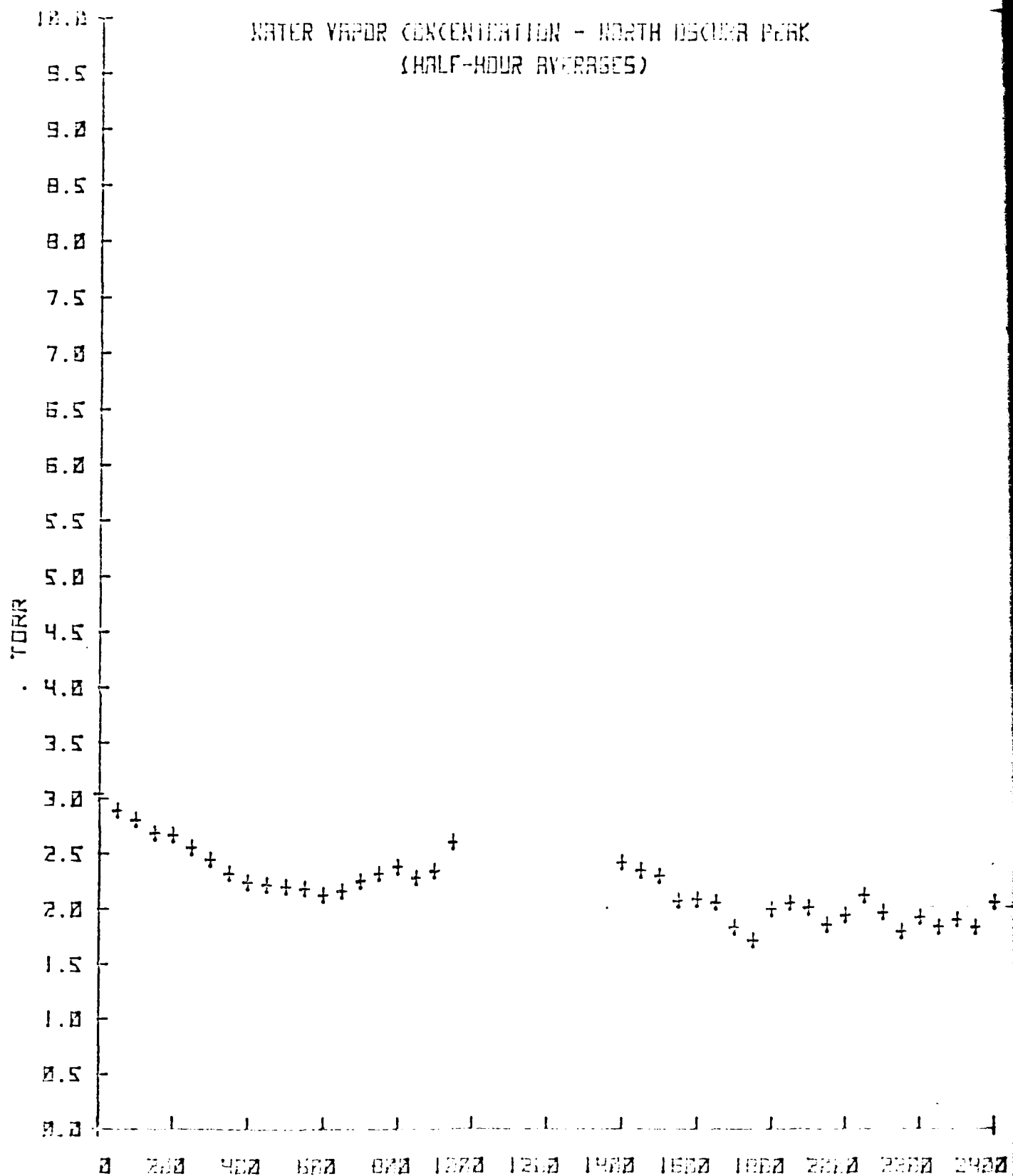
15T
16 APRIL 1967

FIGURE A-2.62



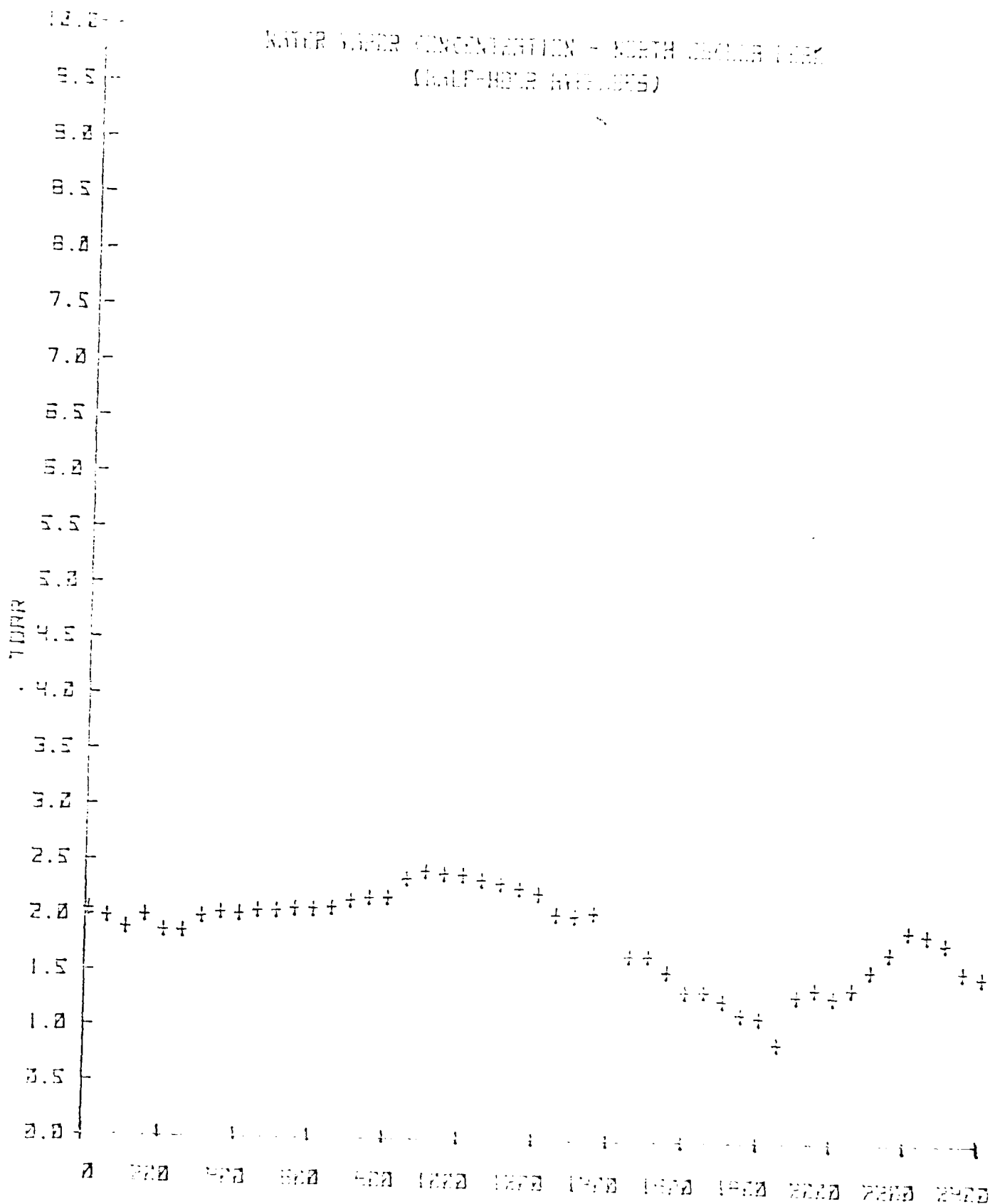
EST
16 APRIL 1973

FIGURE A-2.63

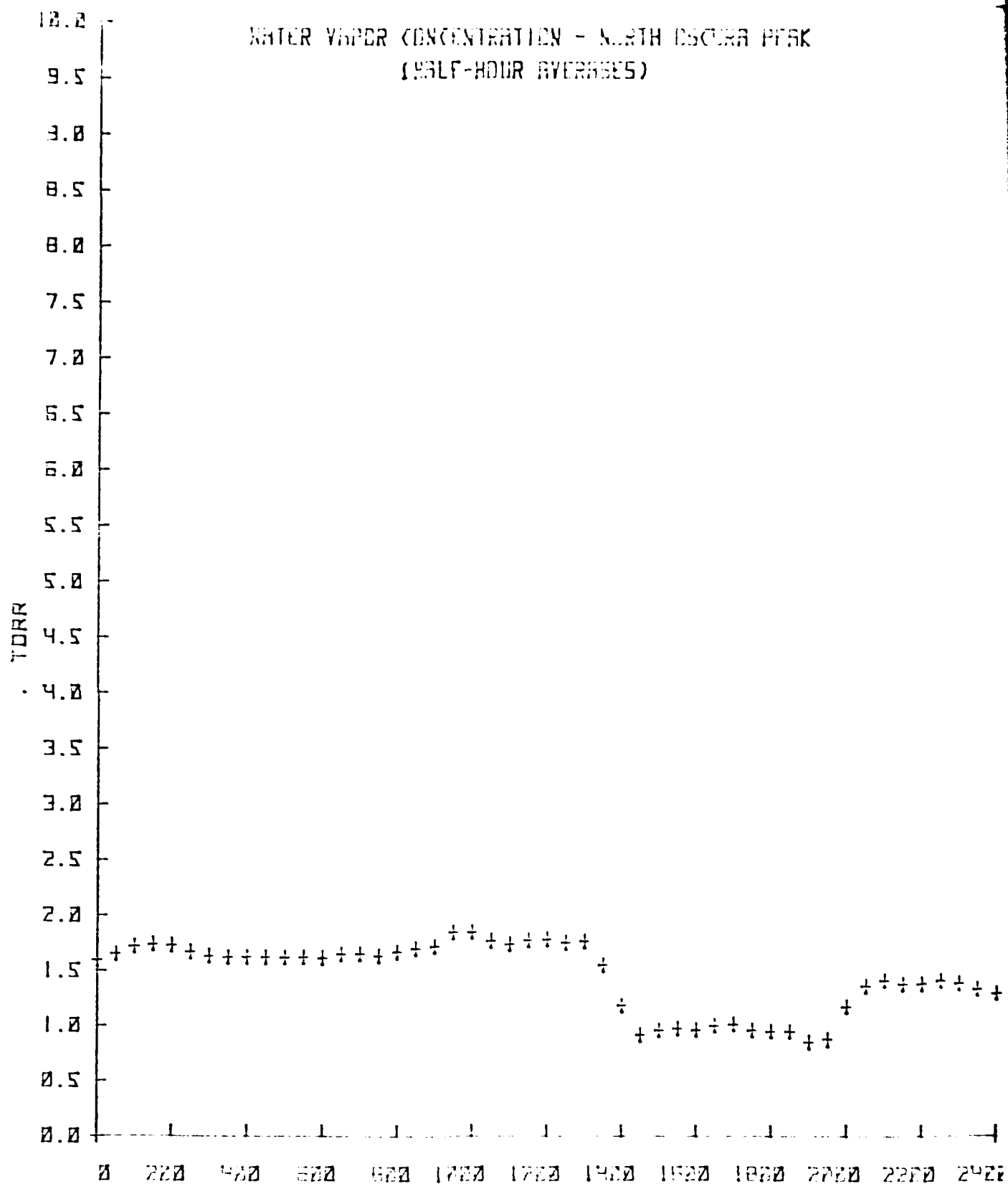


MST
17 APRIL 1968

FIGURE A-2.64

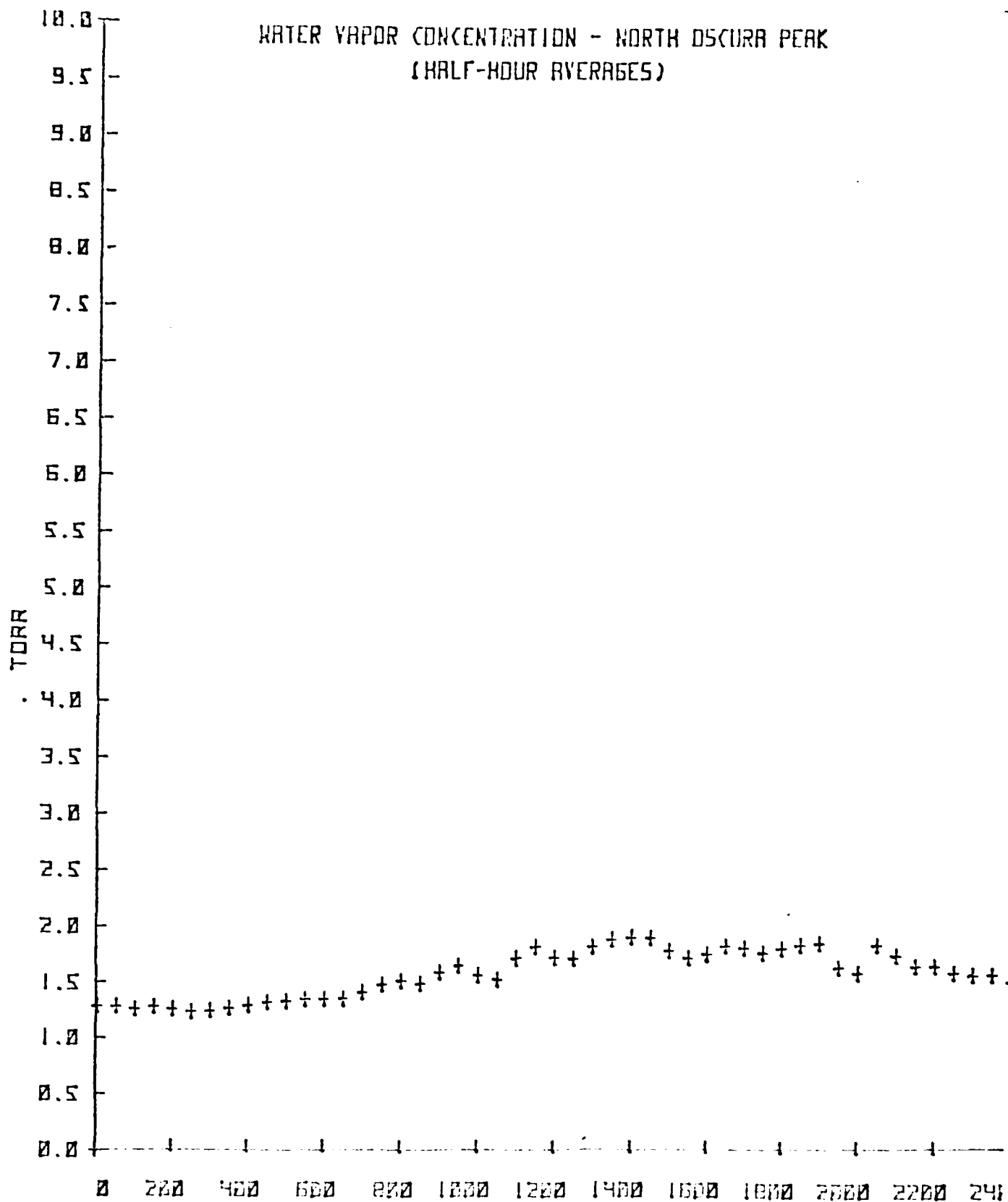


18 APR 1967
FIGURE A-2.65



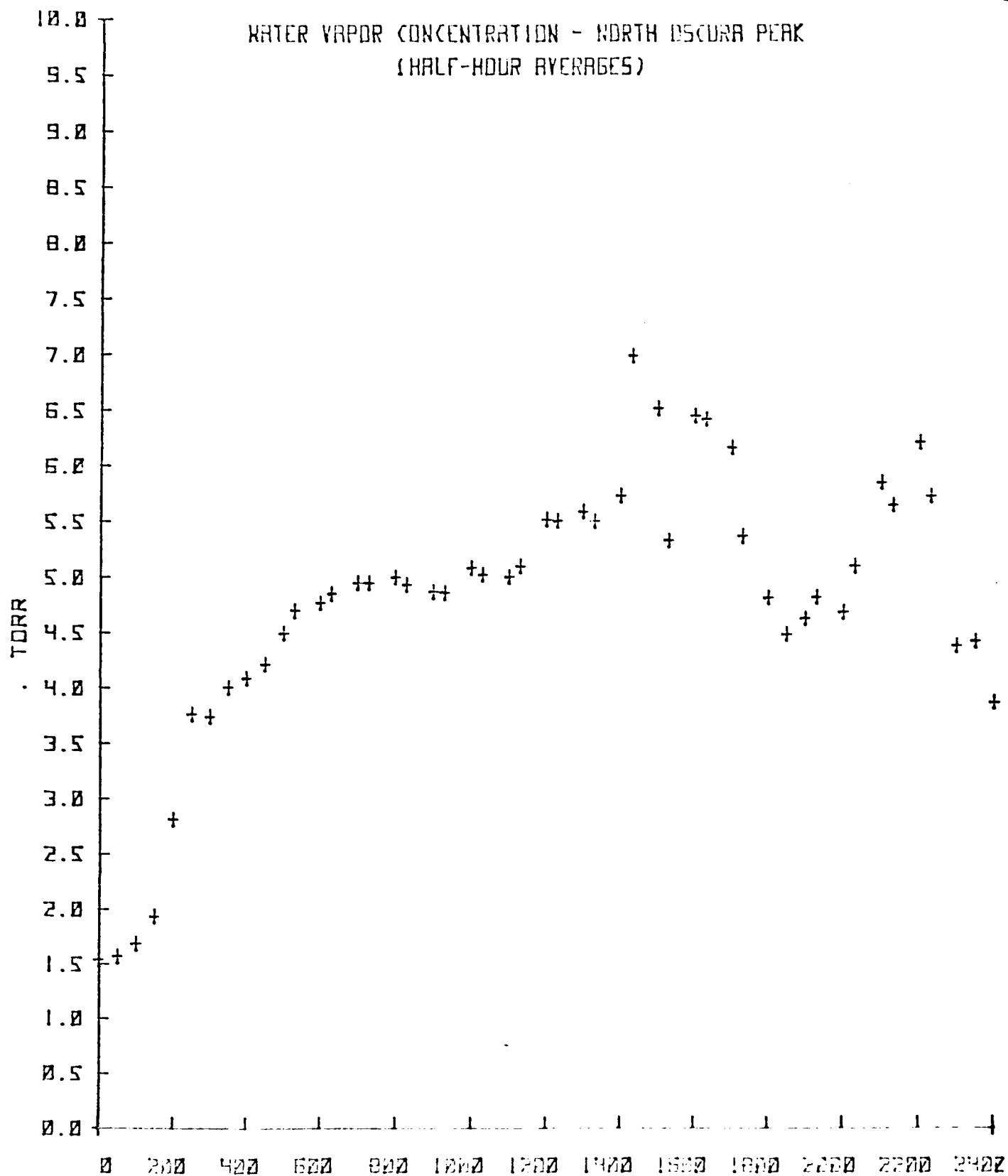
MST
19 APRIL 1960

FIGURE A-2.66



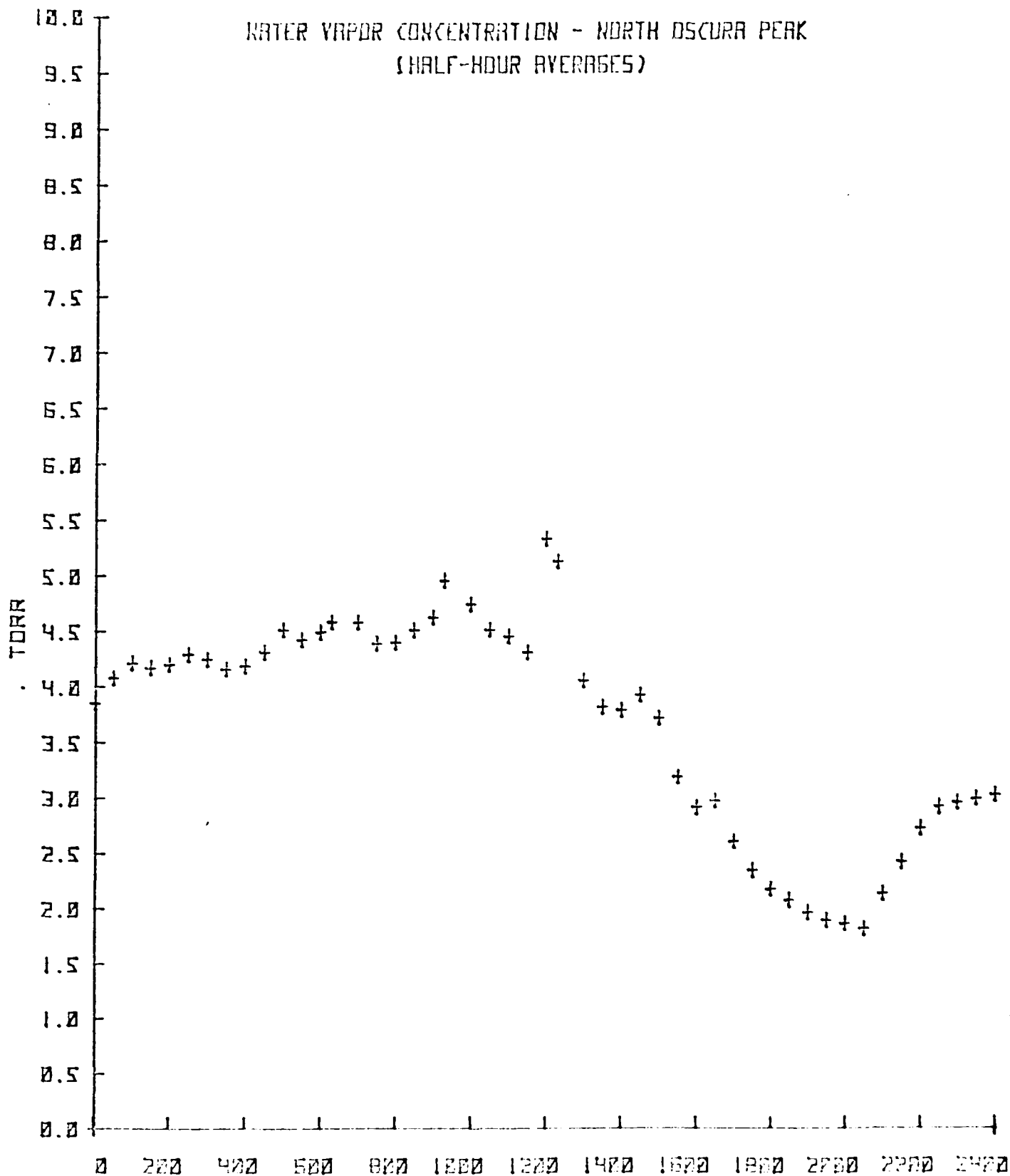
MST
20 APRIL 1980

FIGURE A-2.67

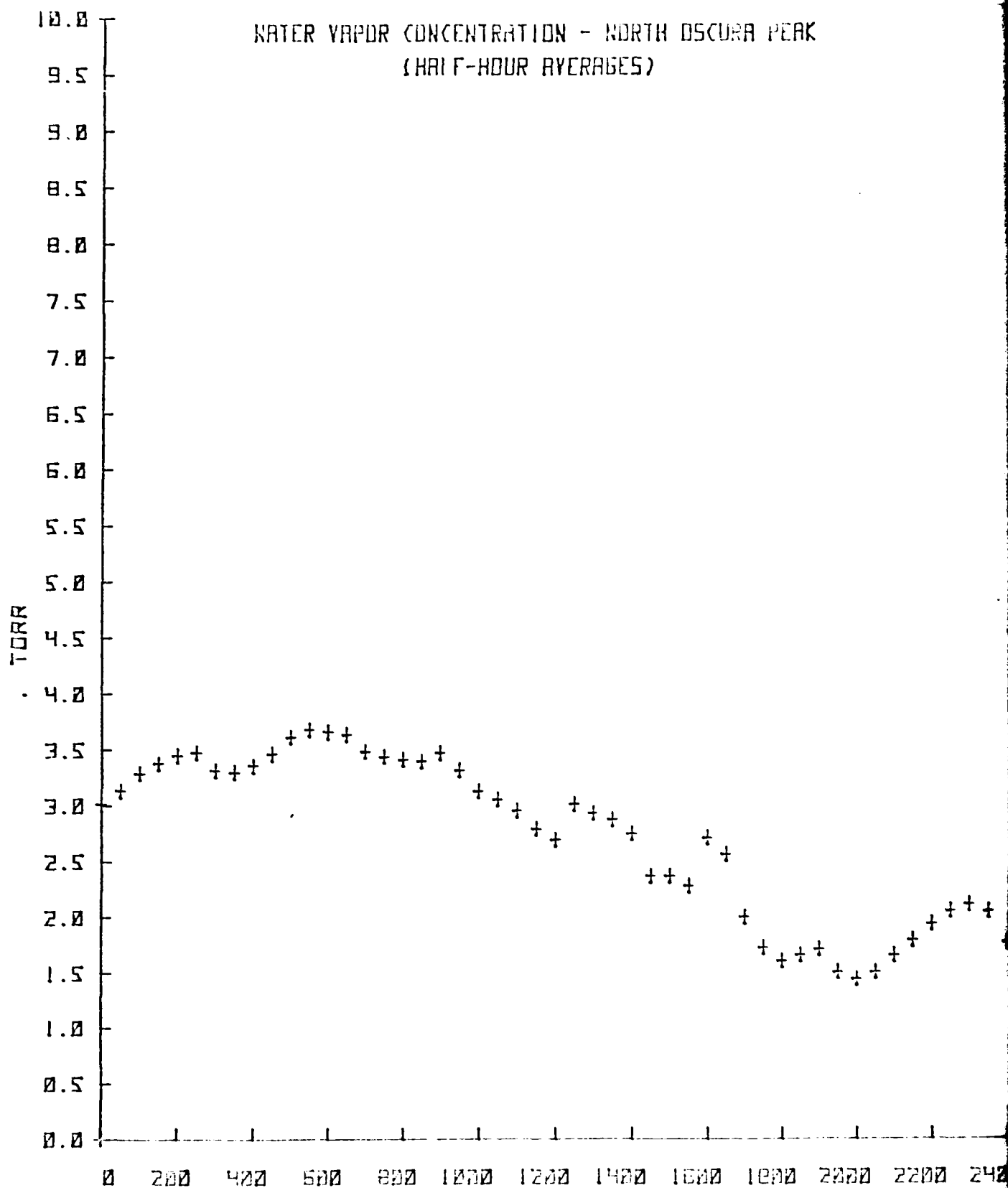


KST
21 APRIL 1980

FIGURE A-2.68

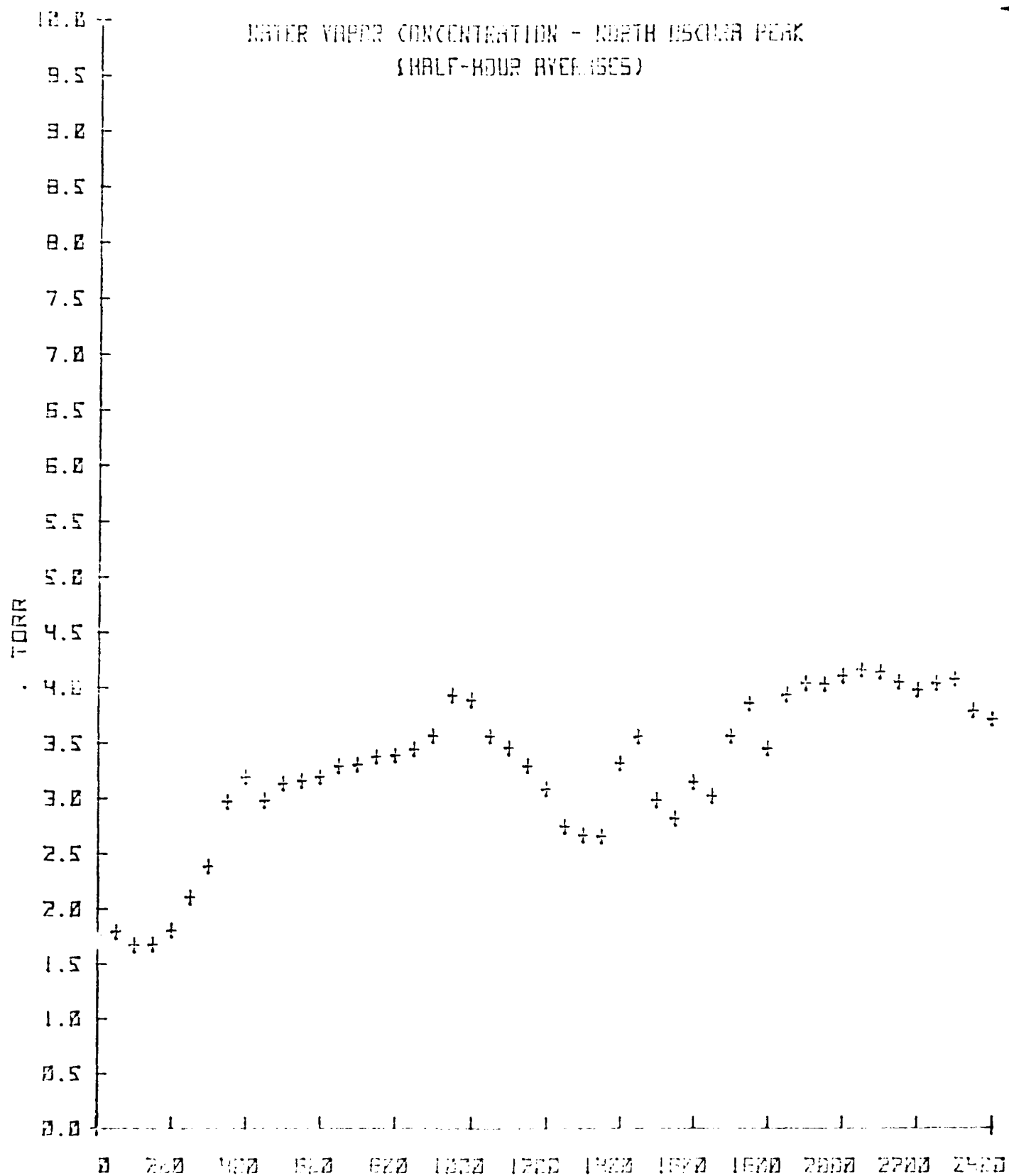


MST
22 APRIL 1960
FIGURE A-2.69



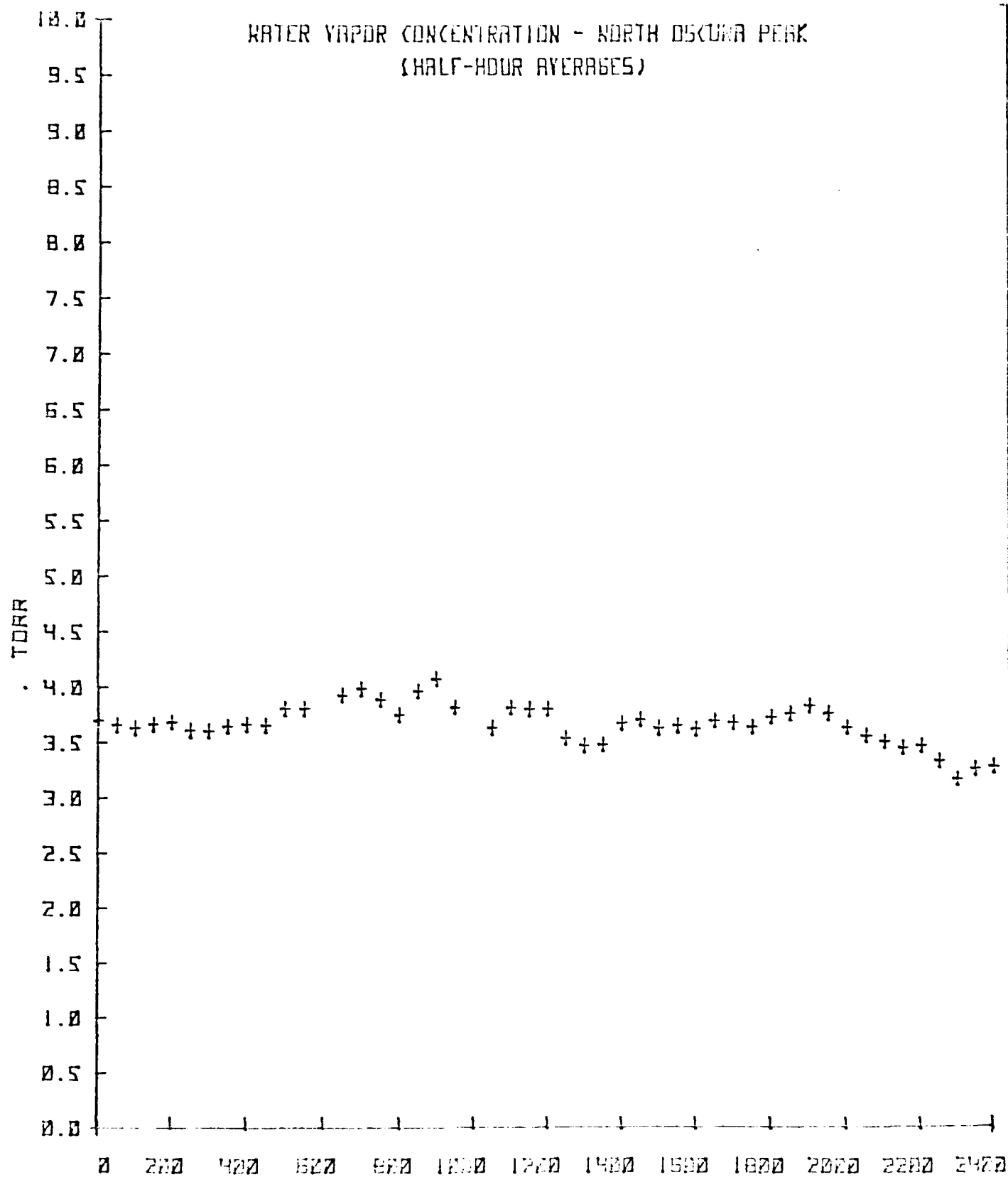
MST
23 APRIL 1960

FIGURE A-2.70



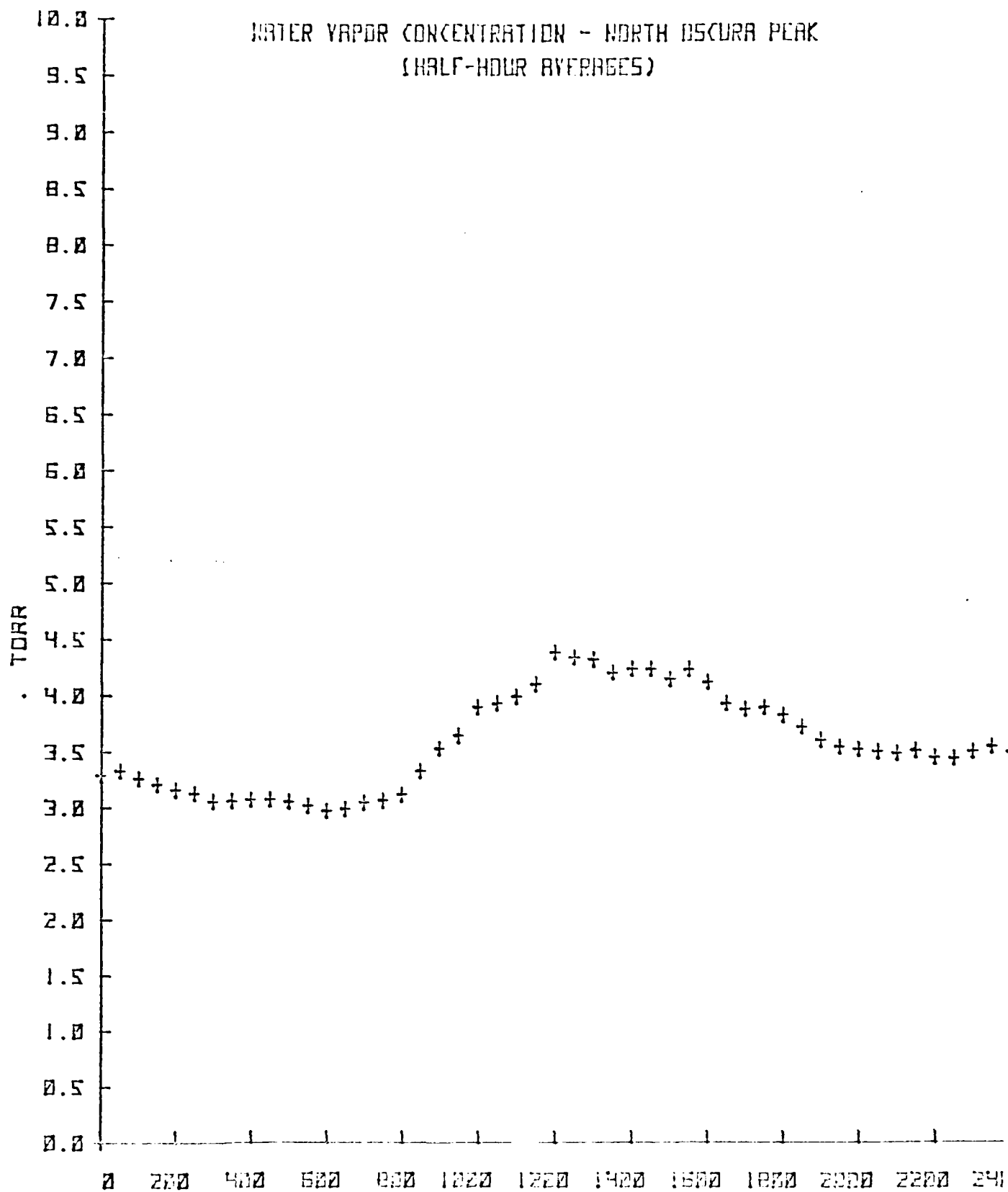
HST
24 APRIL 1960

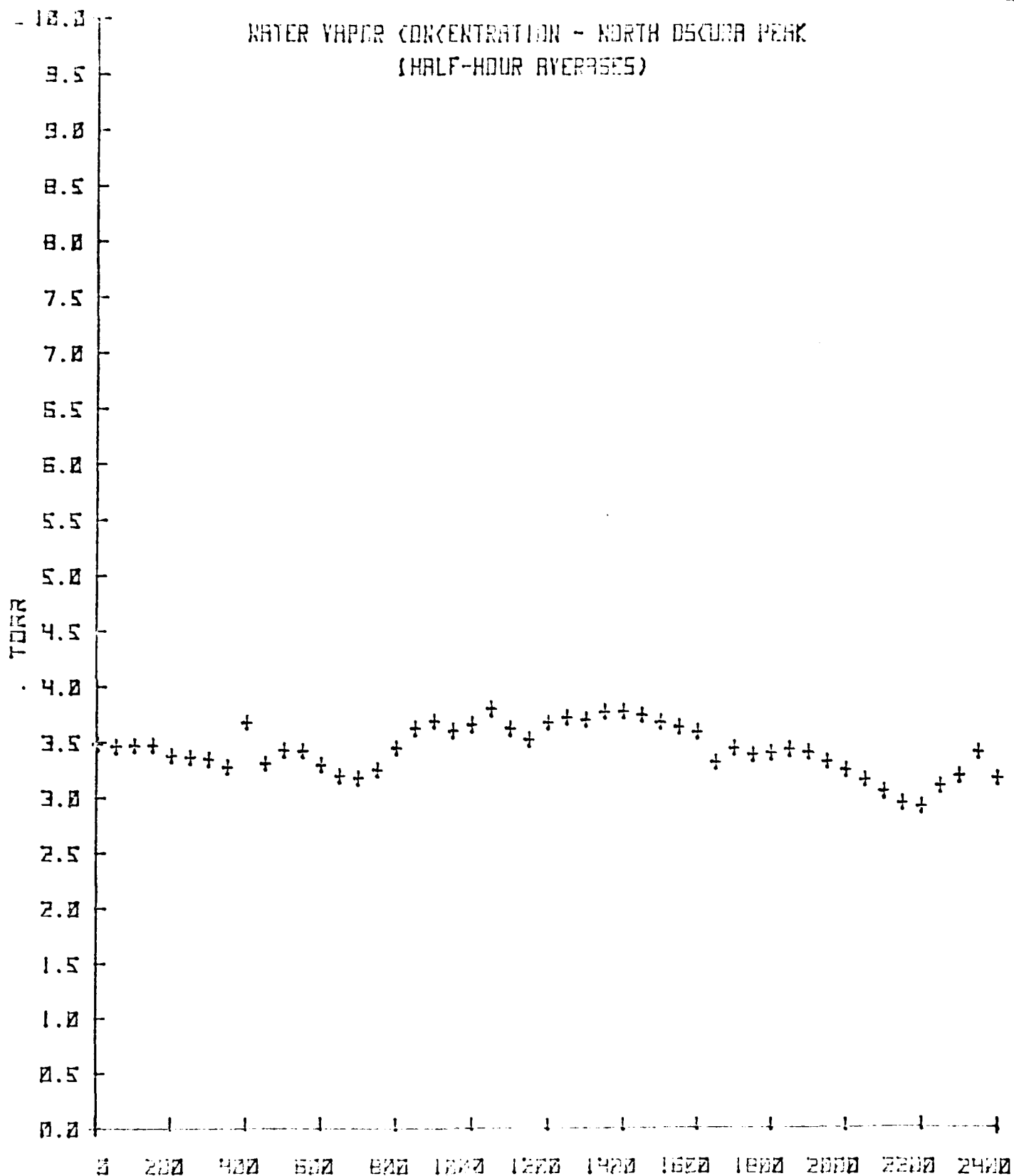
FIGURE A-2.71



MST
25 APRIL 1997

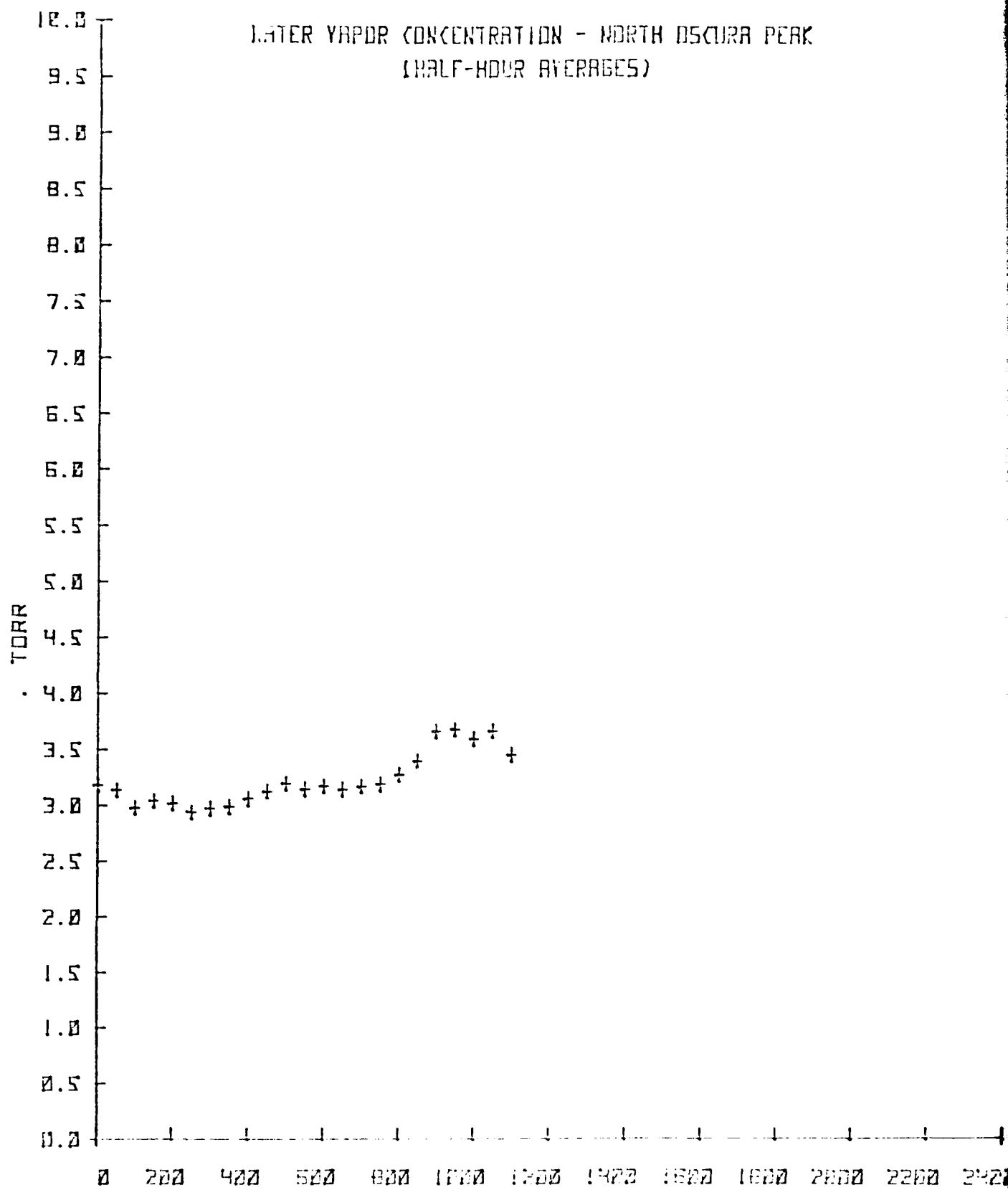
FIGURE A-2.72





. MST
27 APRIL 1960

FIGURE A-2.74



857
7A APRIL 1980
FIGURE A-2.75

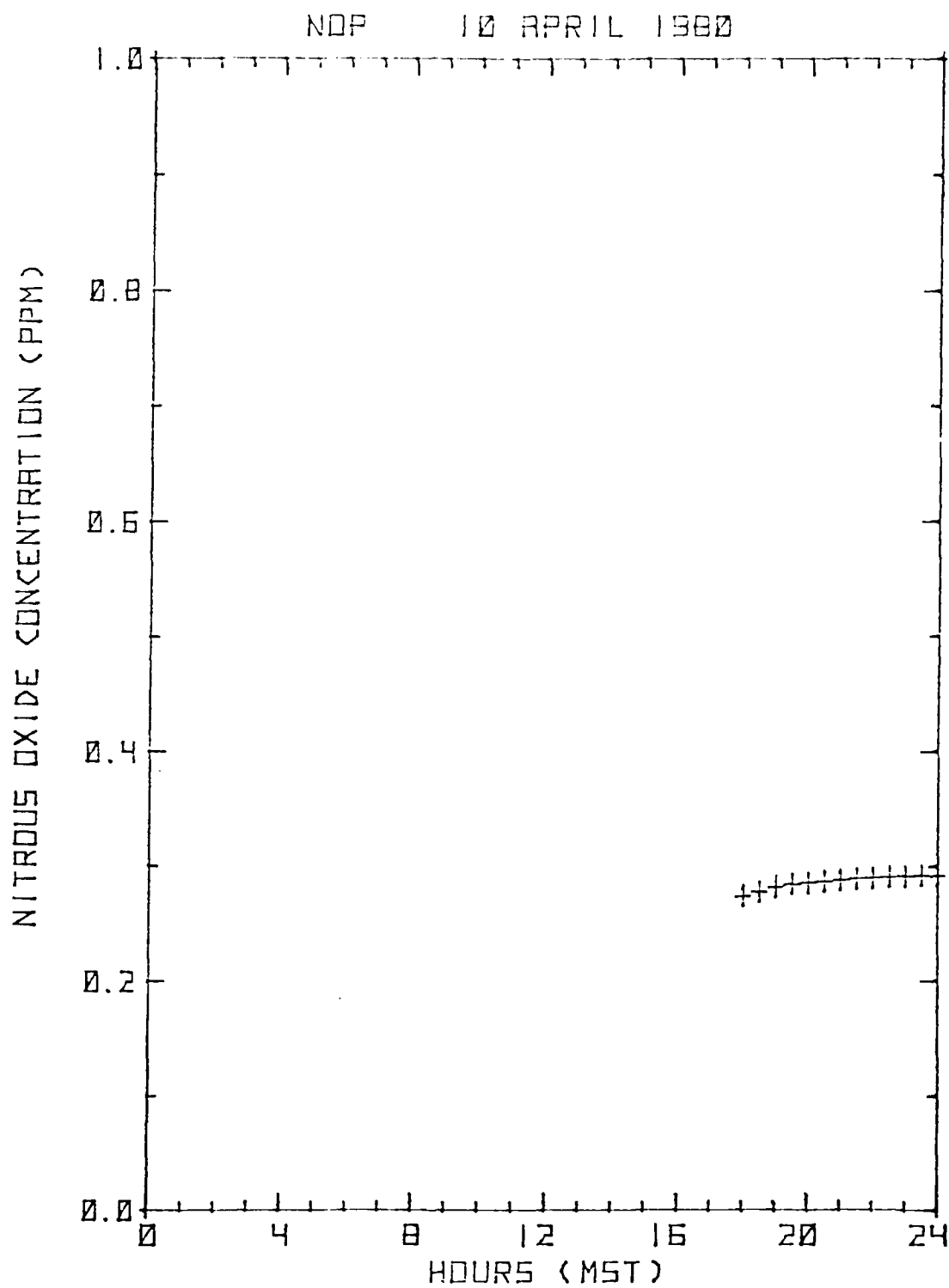


FIGURE A-2.76

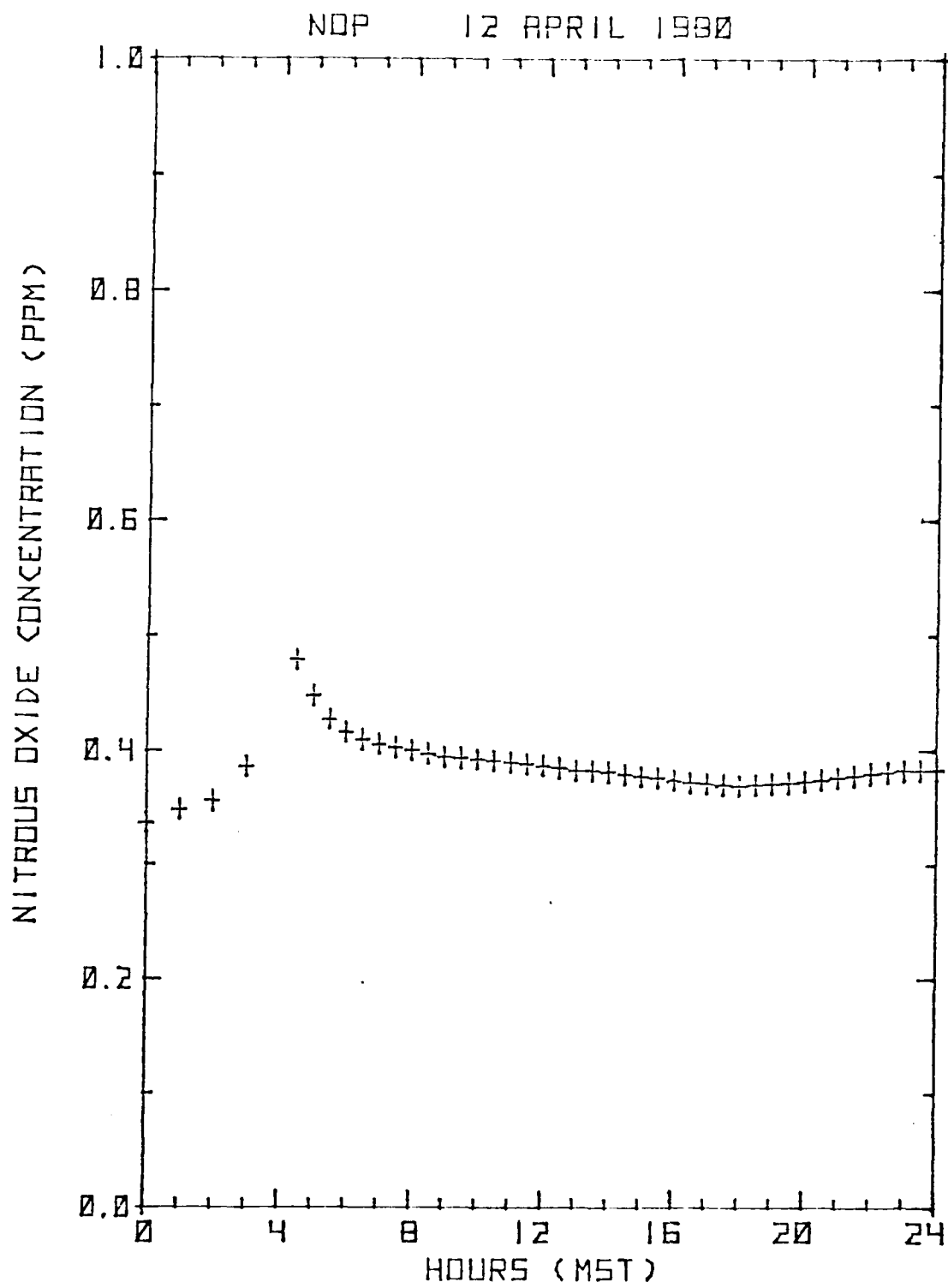


FIGURE A-2.77

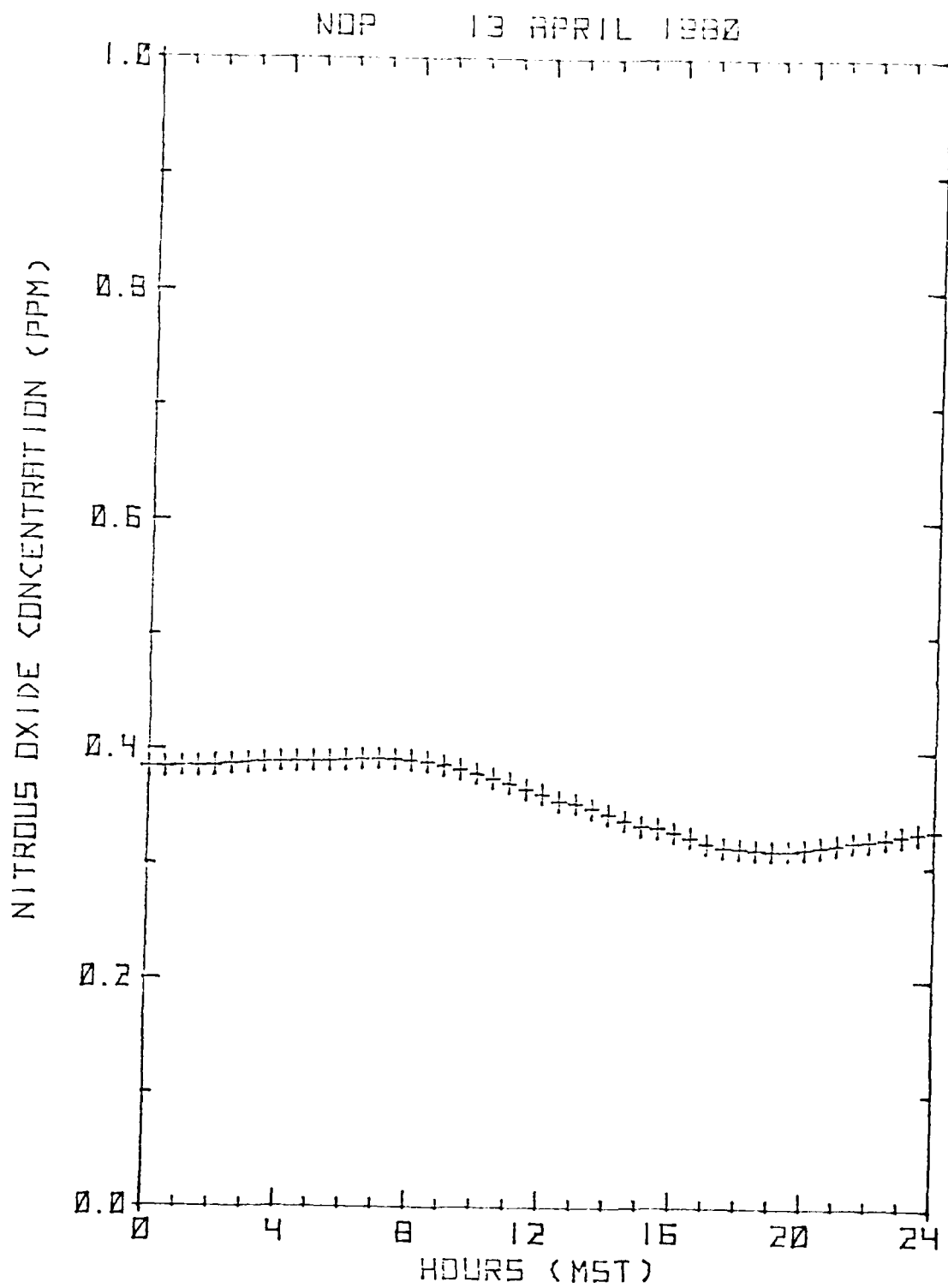


FIGURE A-2.78

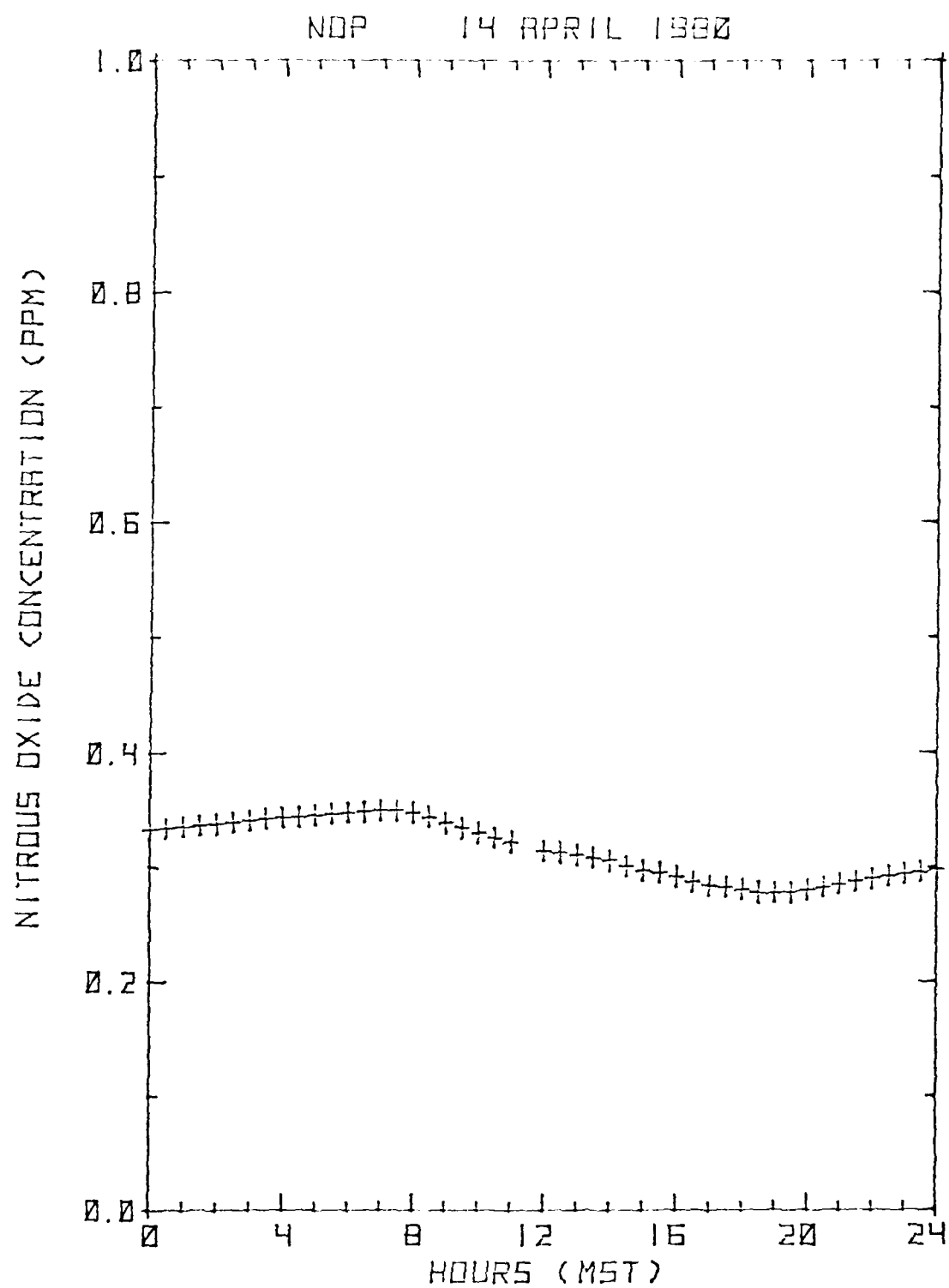


FIGURE A-2.79

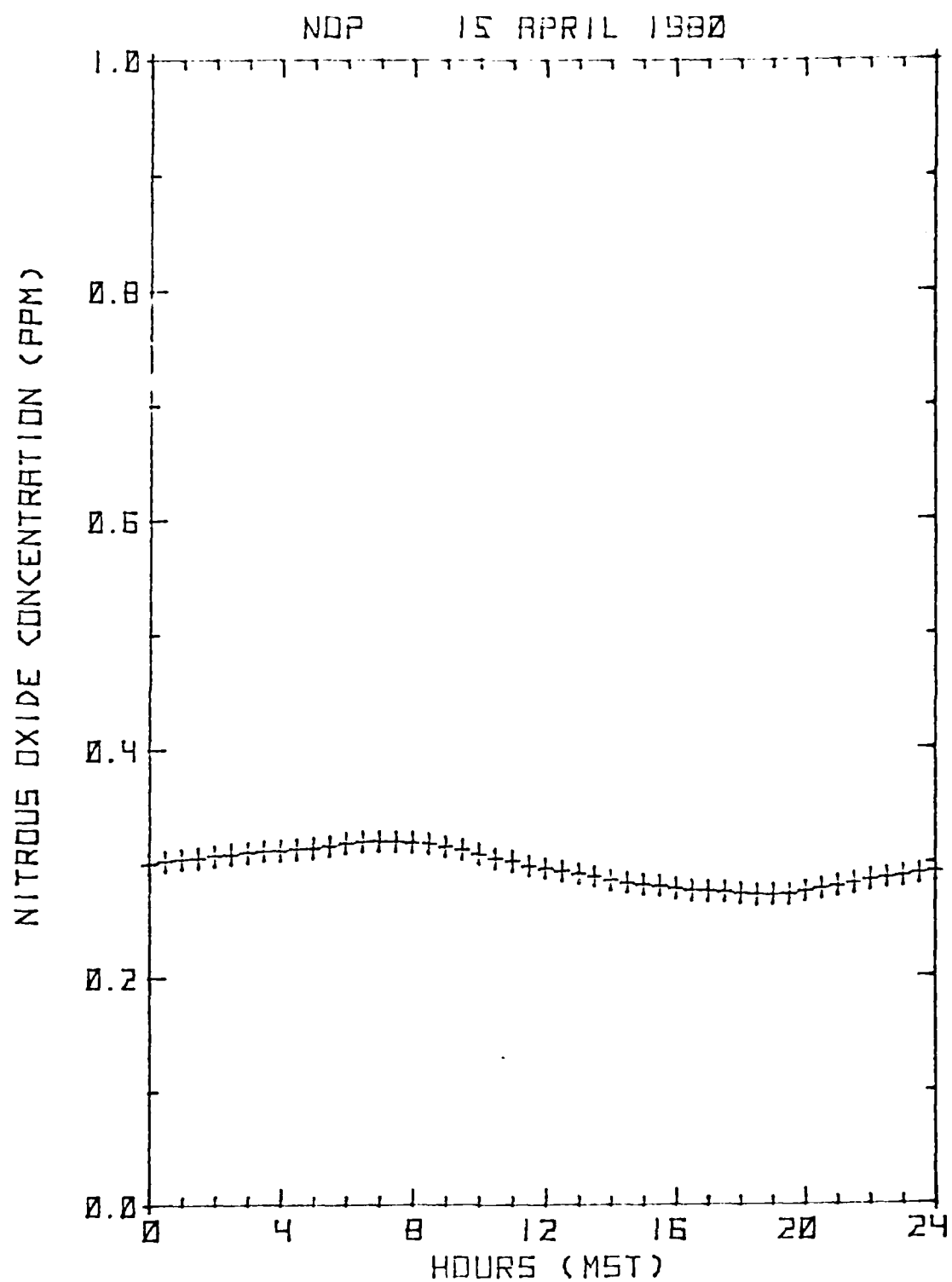


FIGURE A-2.80

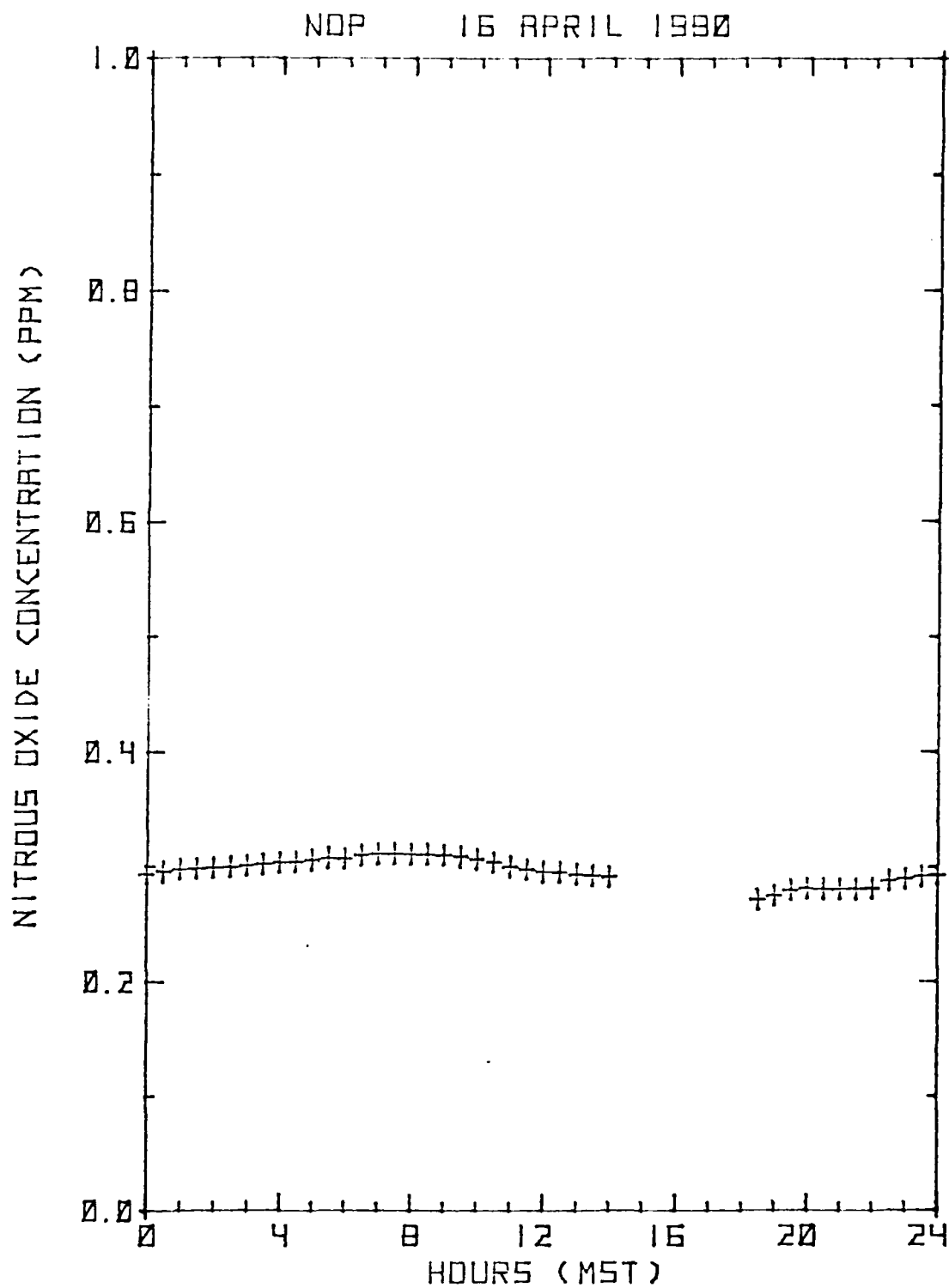


FIGURE A-2.81

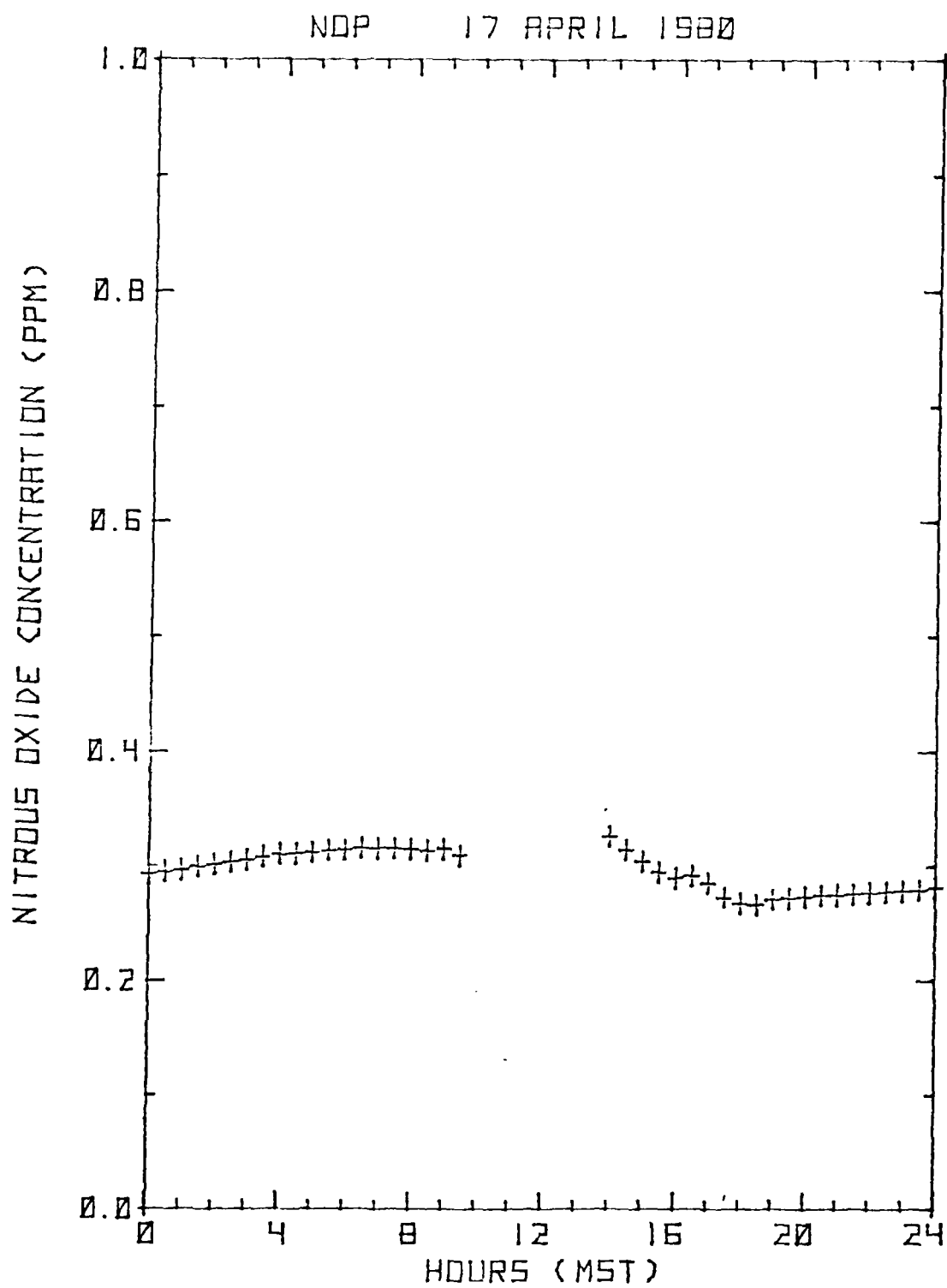


FIGURE A-2.82

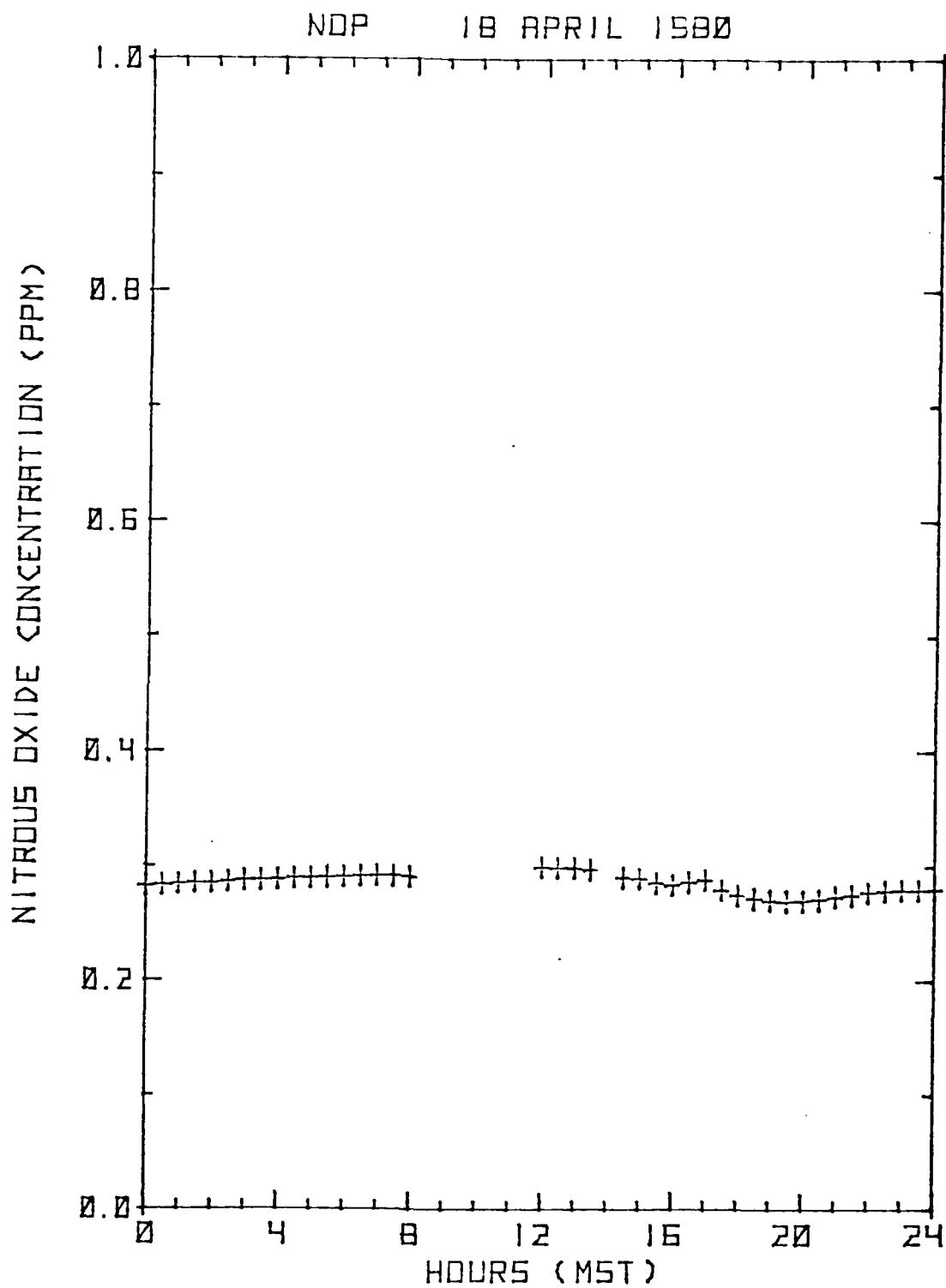


FIGURE A-2.83

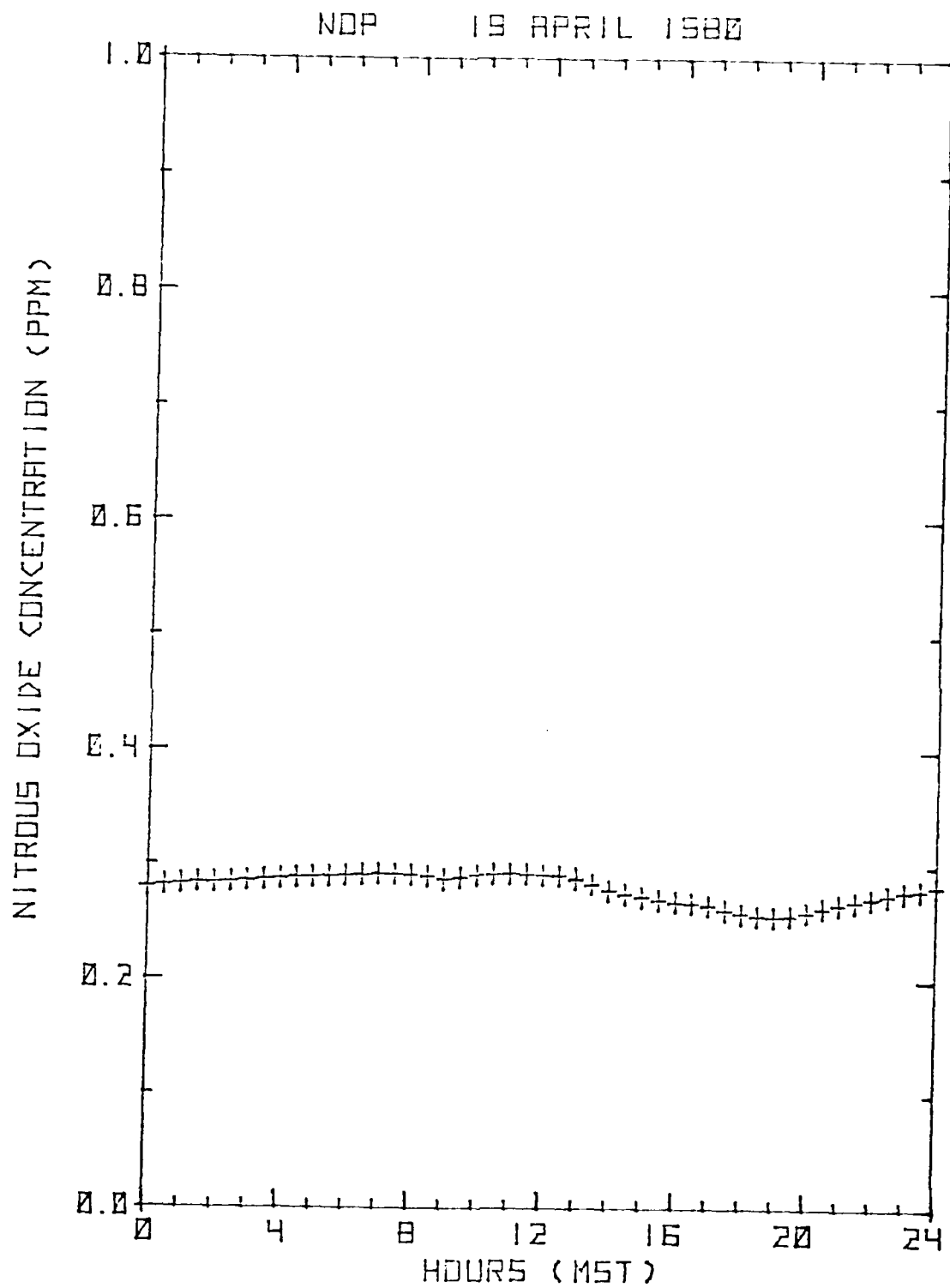


FIGURE A-2.84

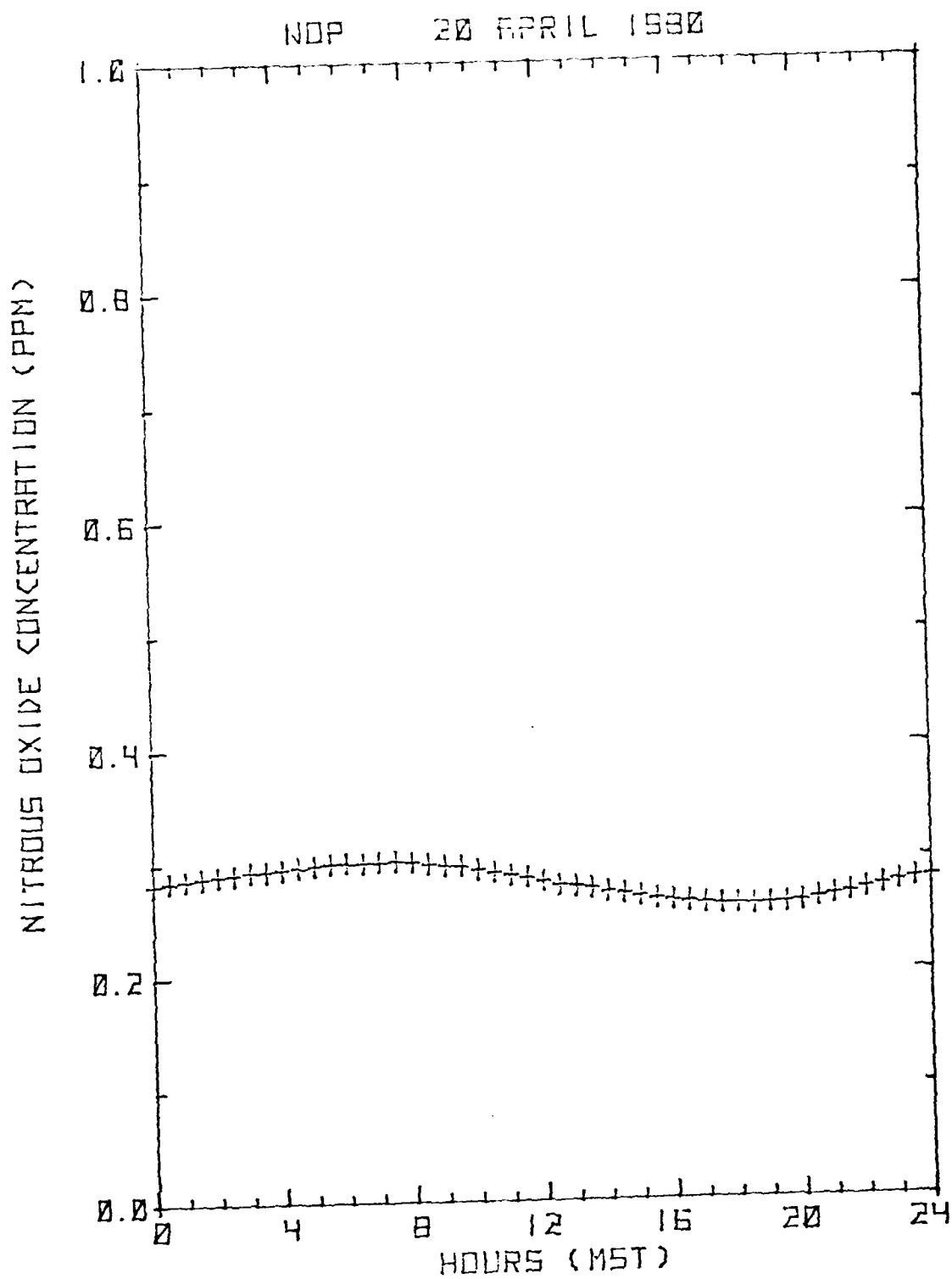


FIGURE A-2.80

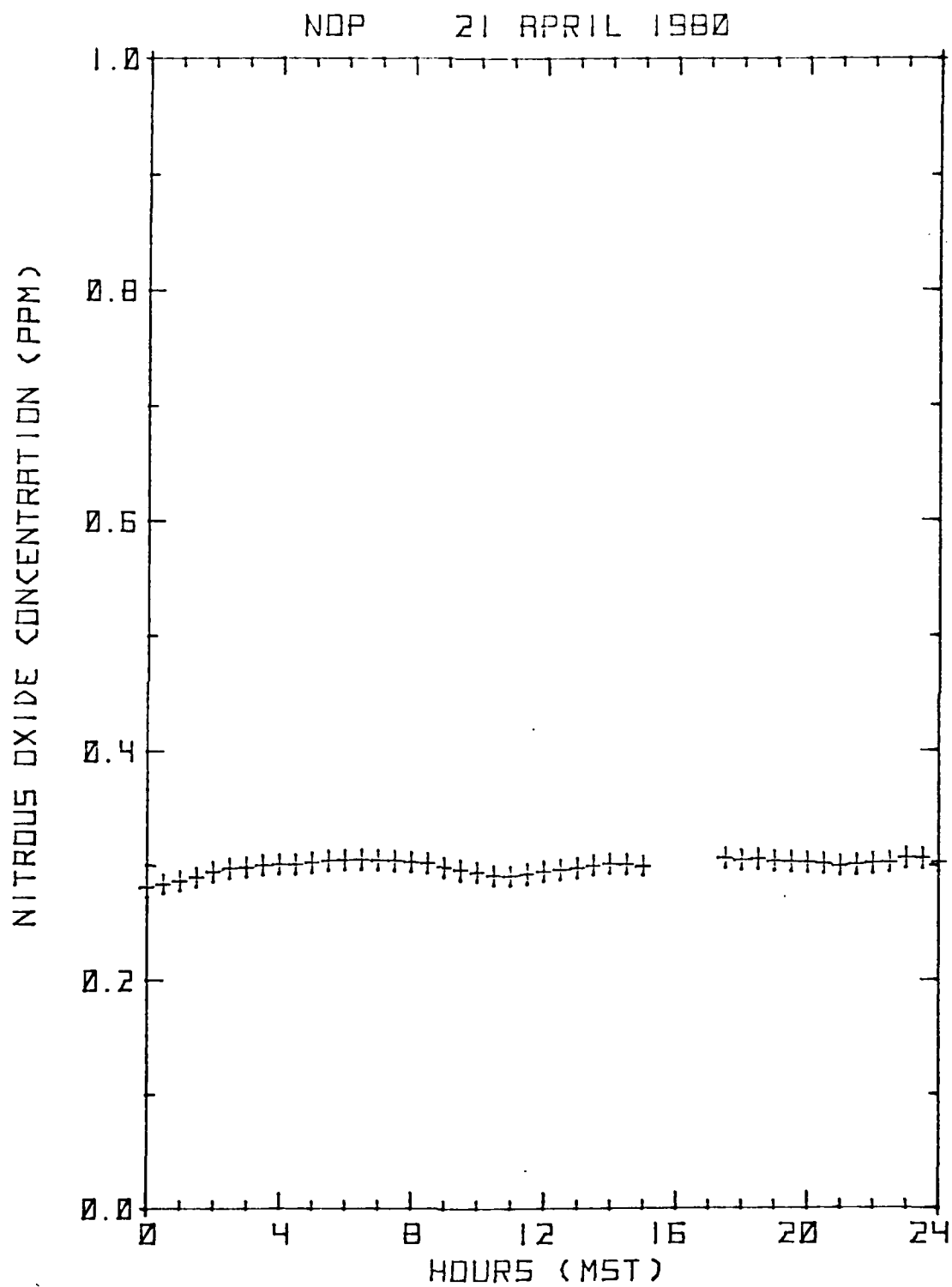


FIGURE A-2.86

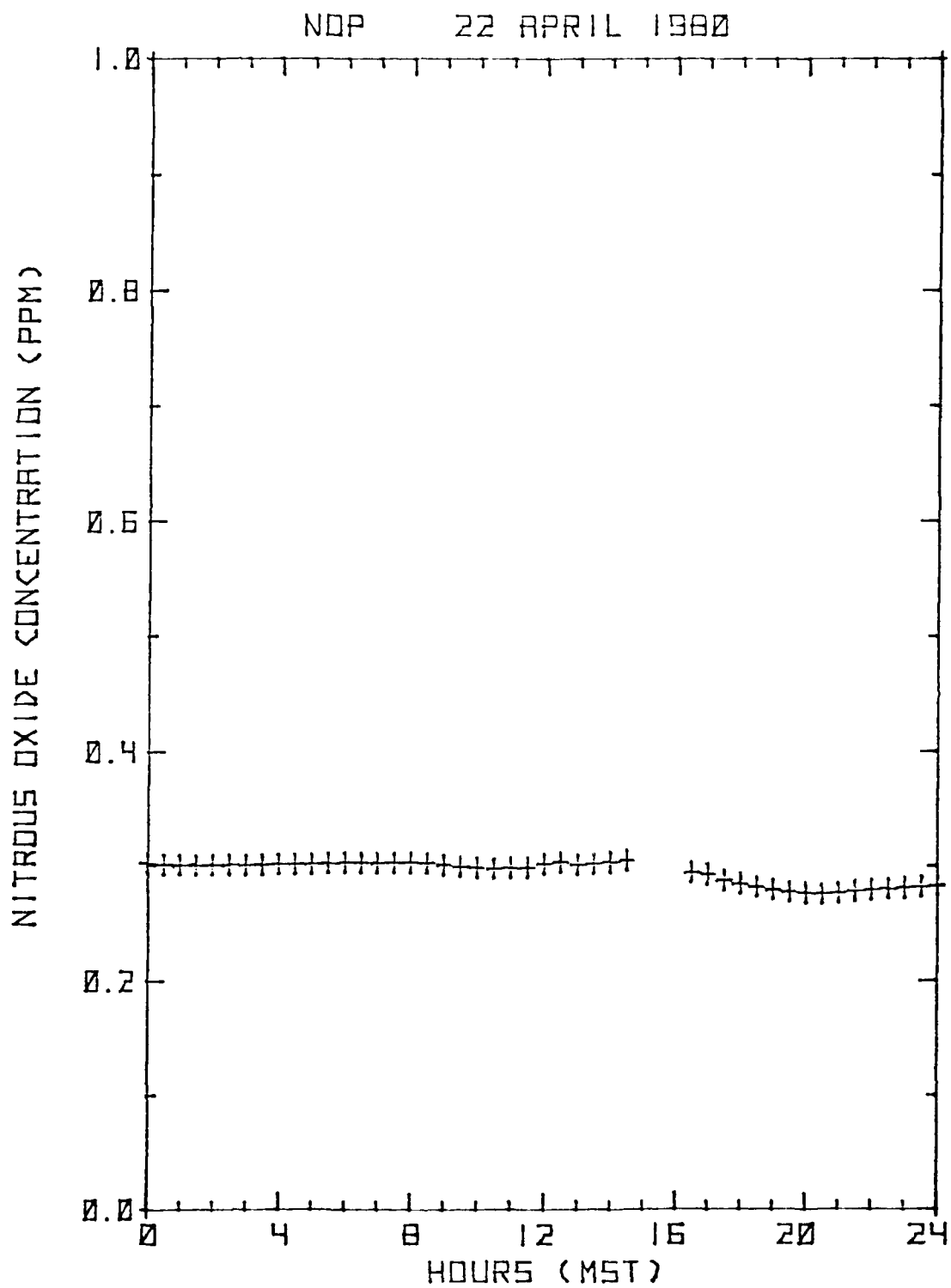


FIGURE A-2.87

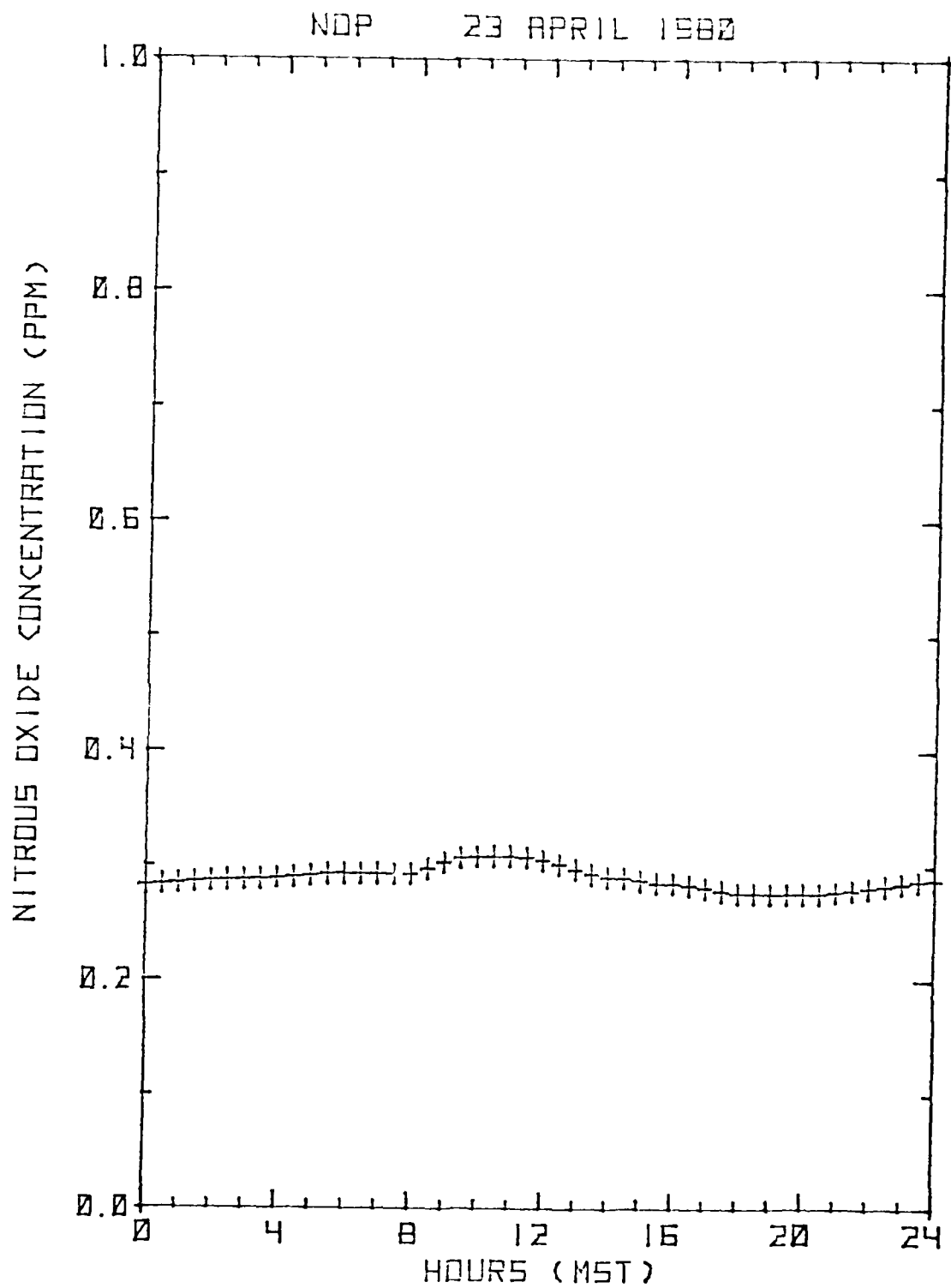


FIGURE A-2.88

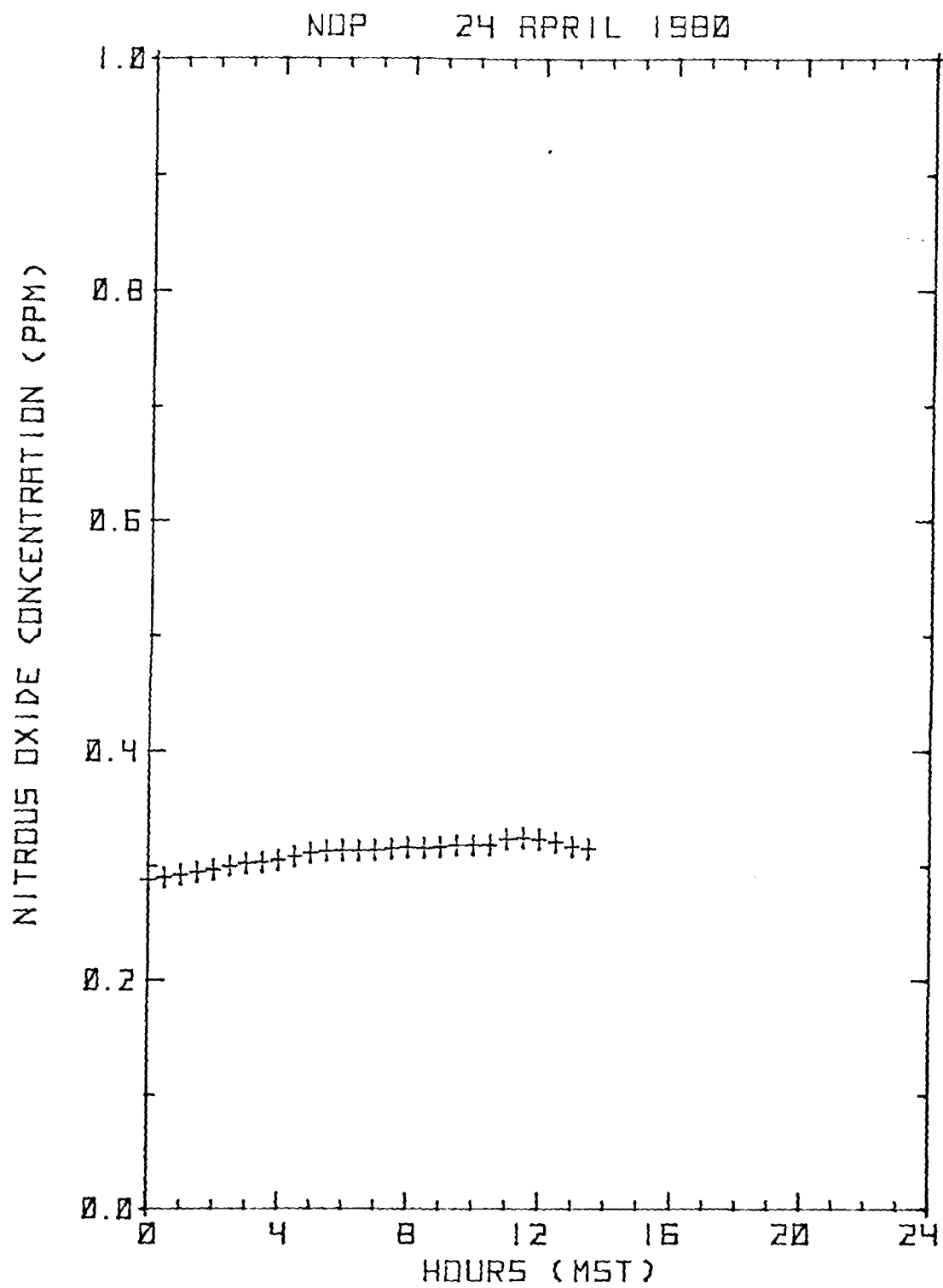


FIGURE A-2.89

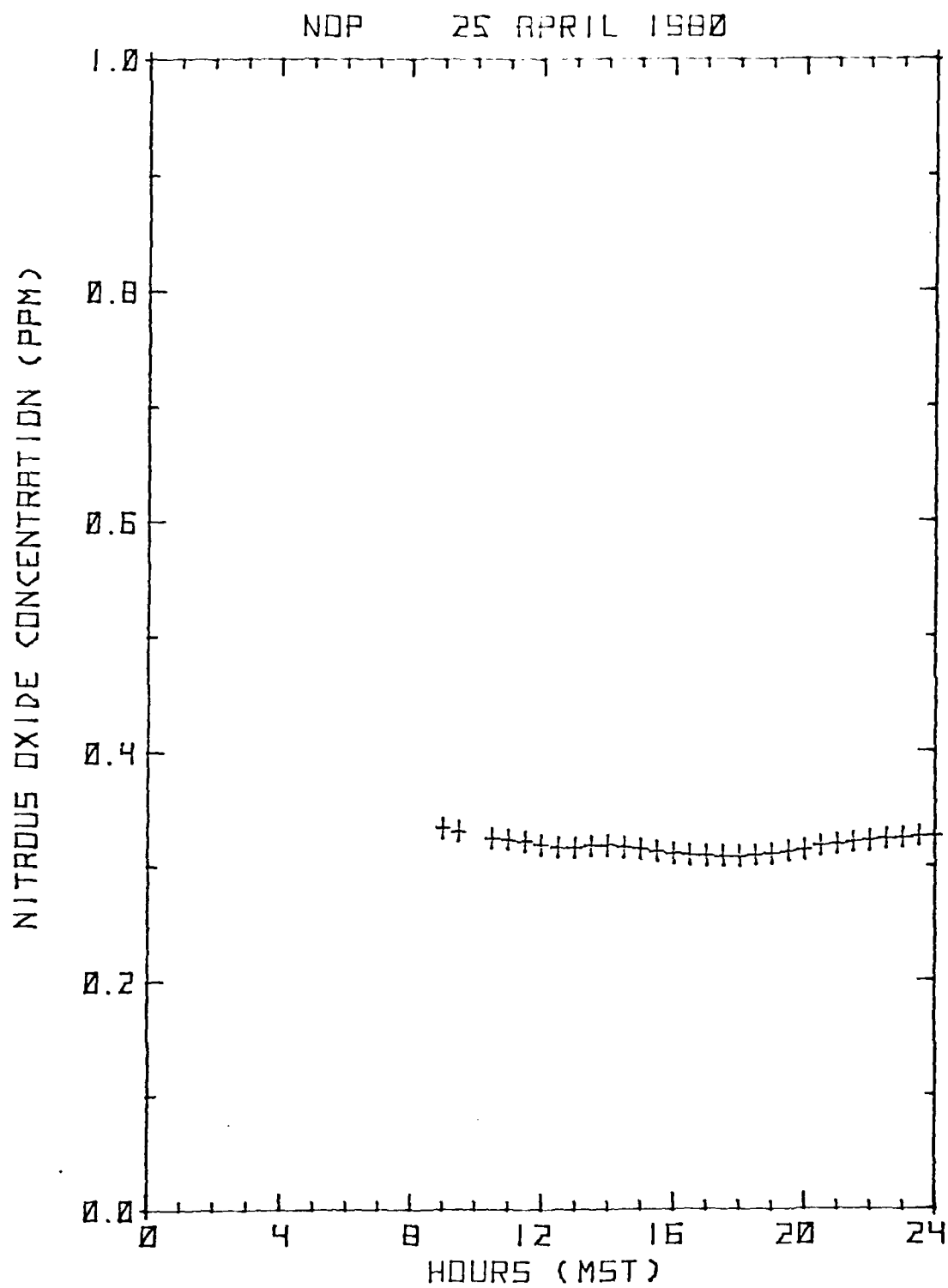


FIGURE A-2.90

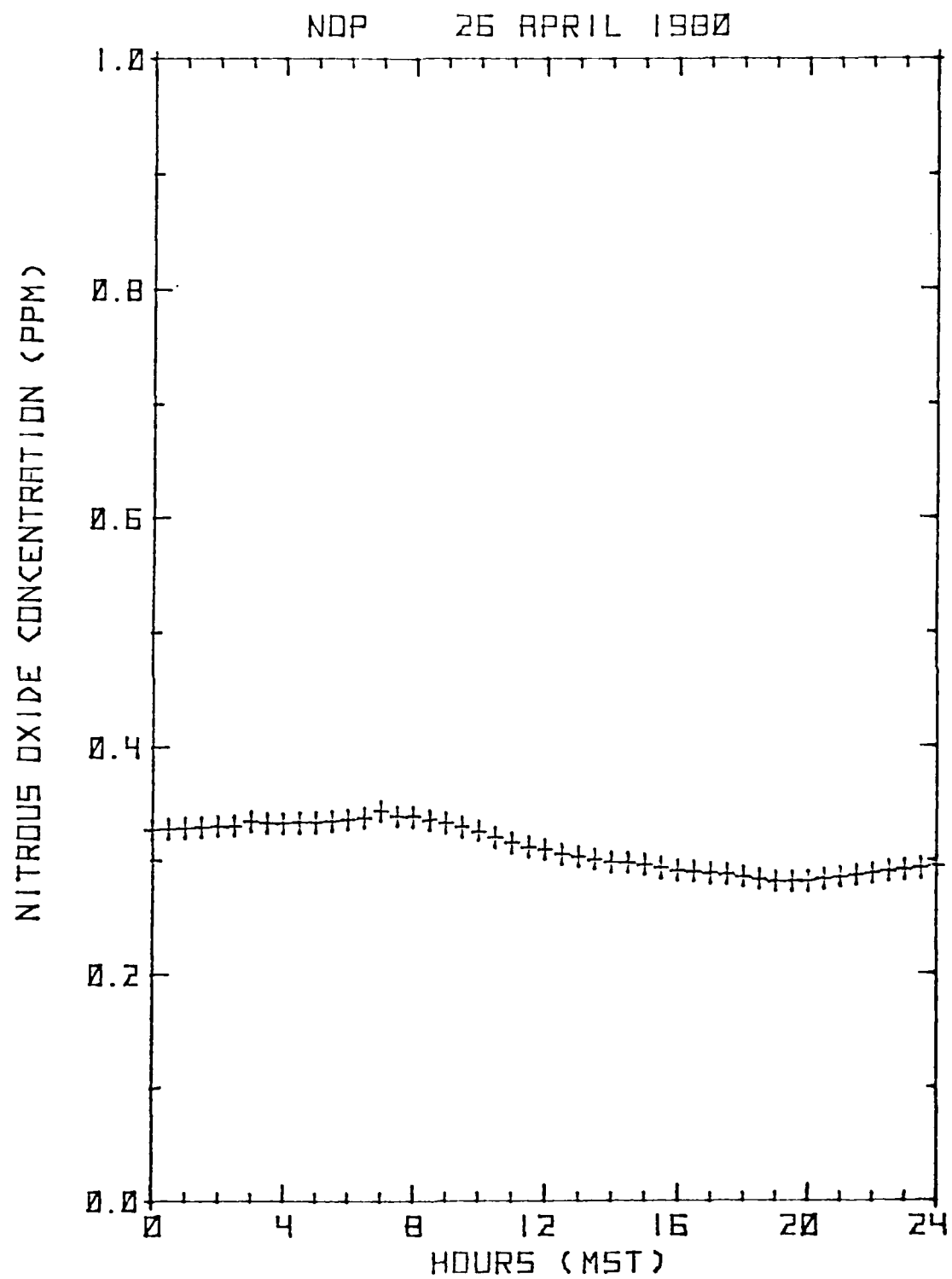


FIGURE A-2.91

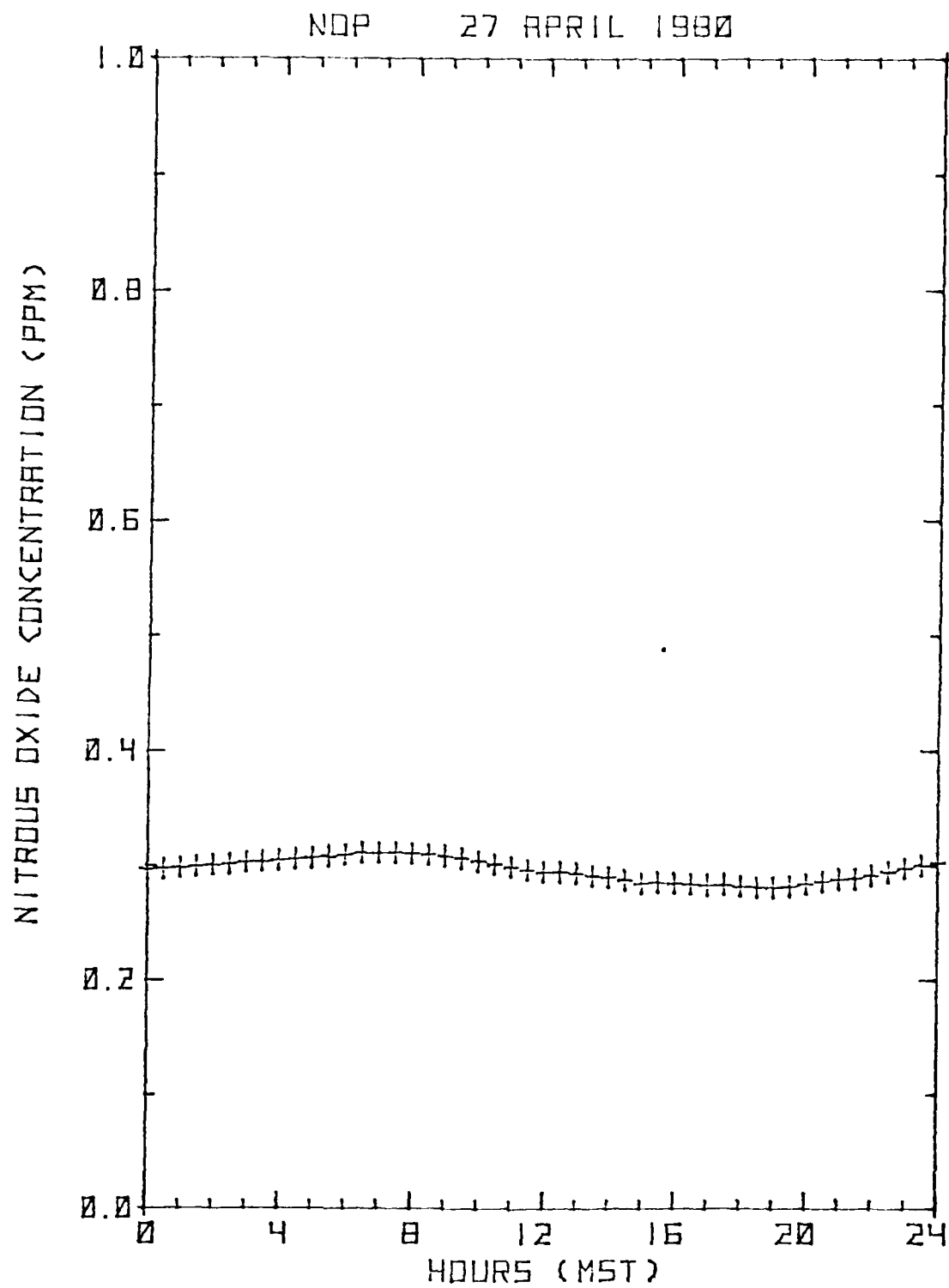


FIGURE A-2.92

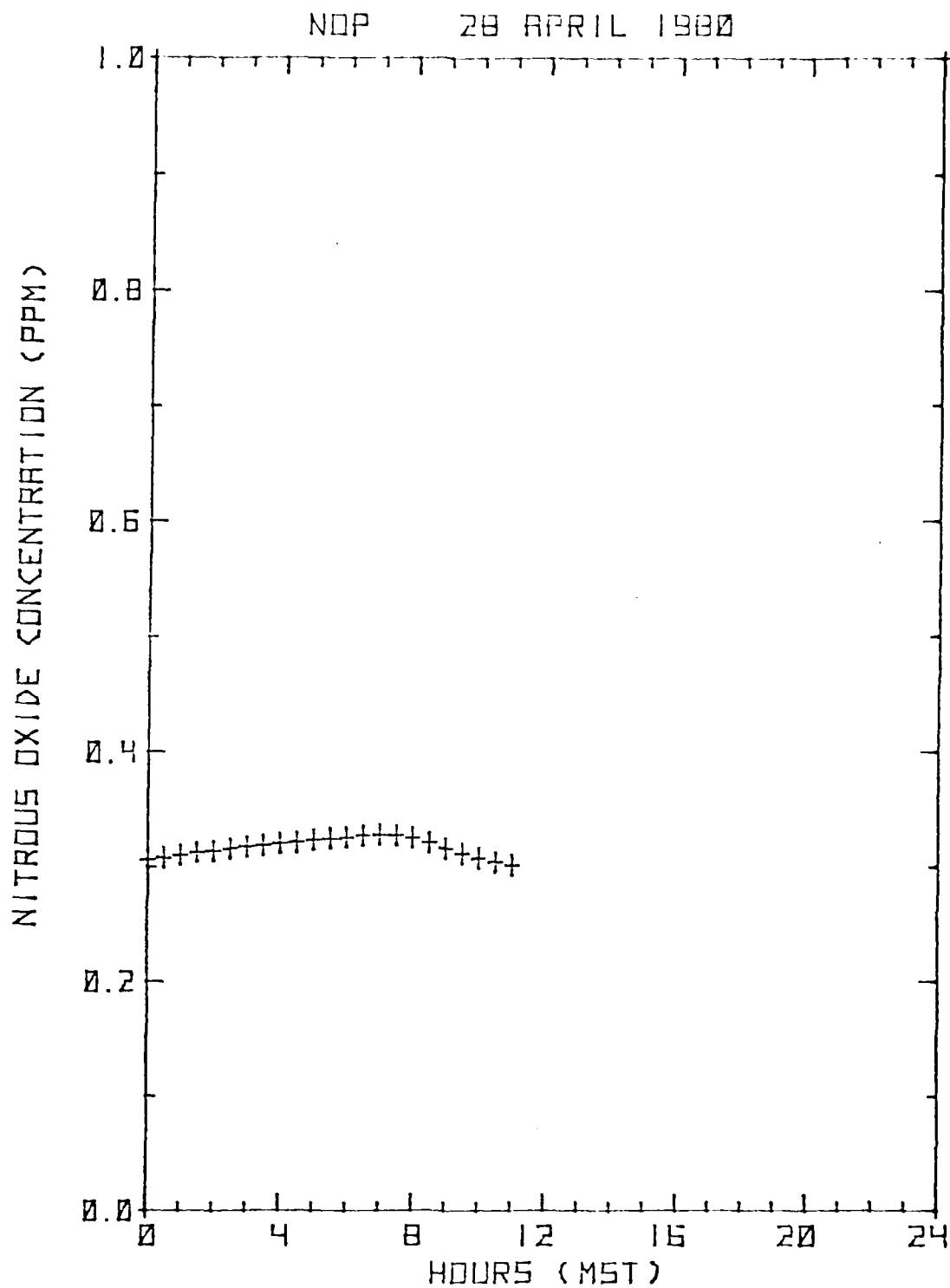
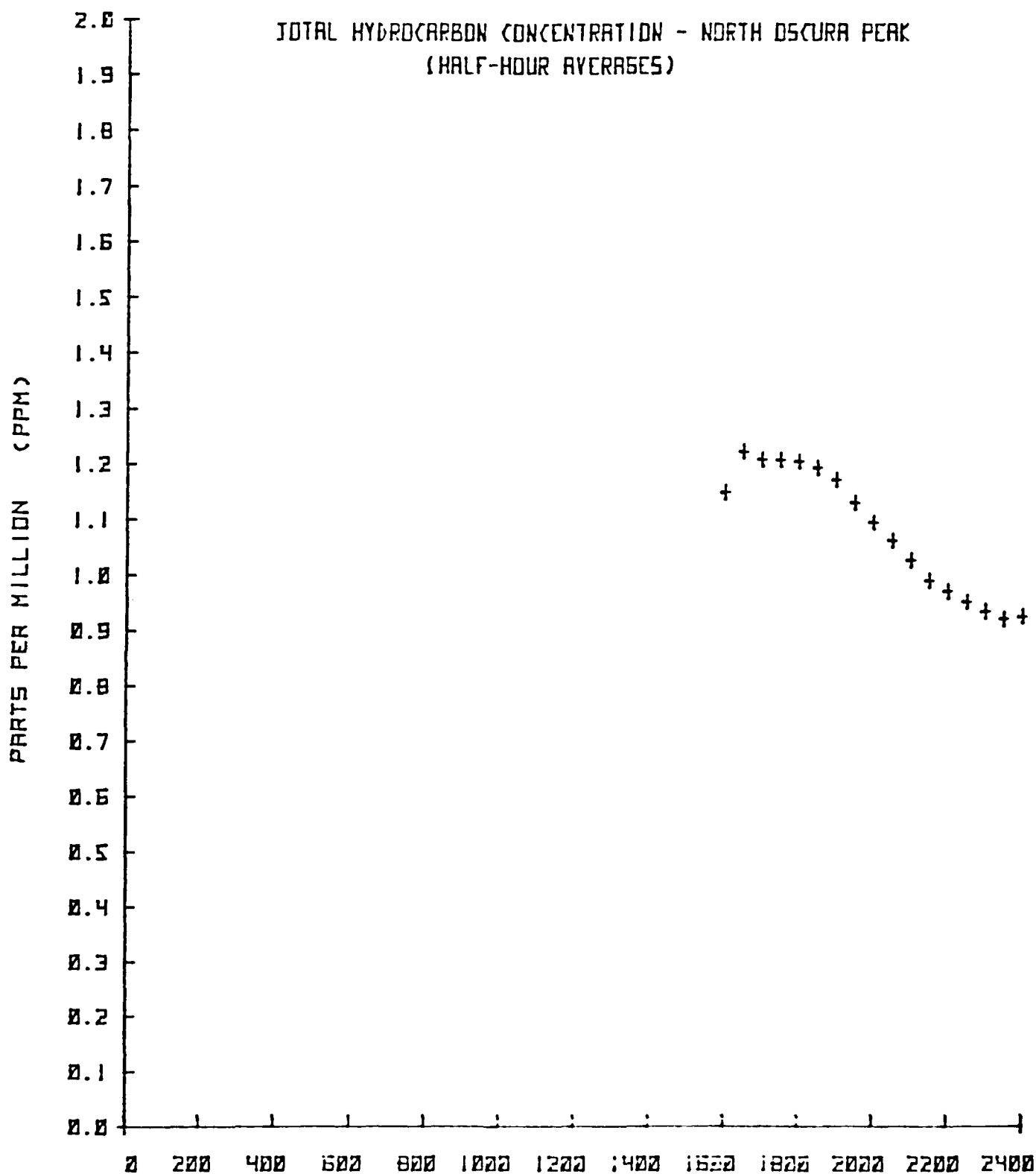
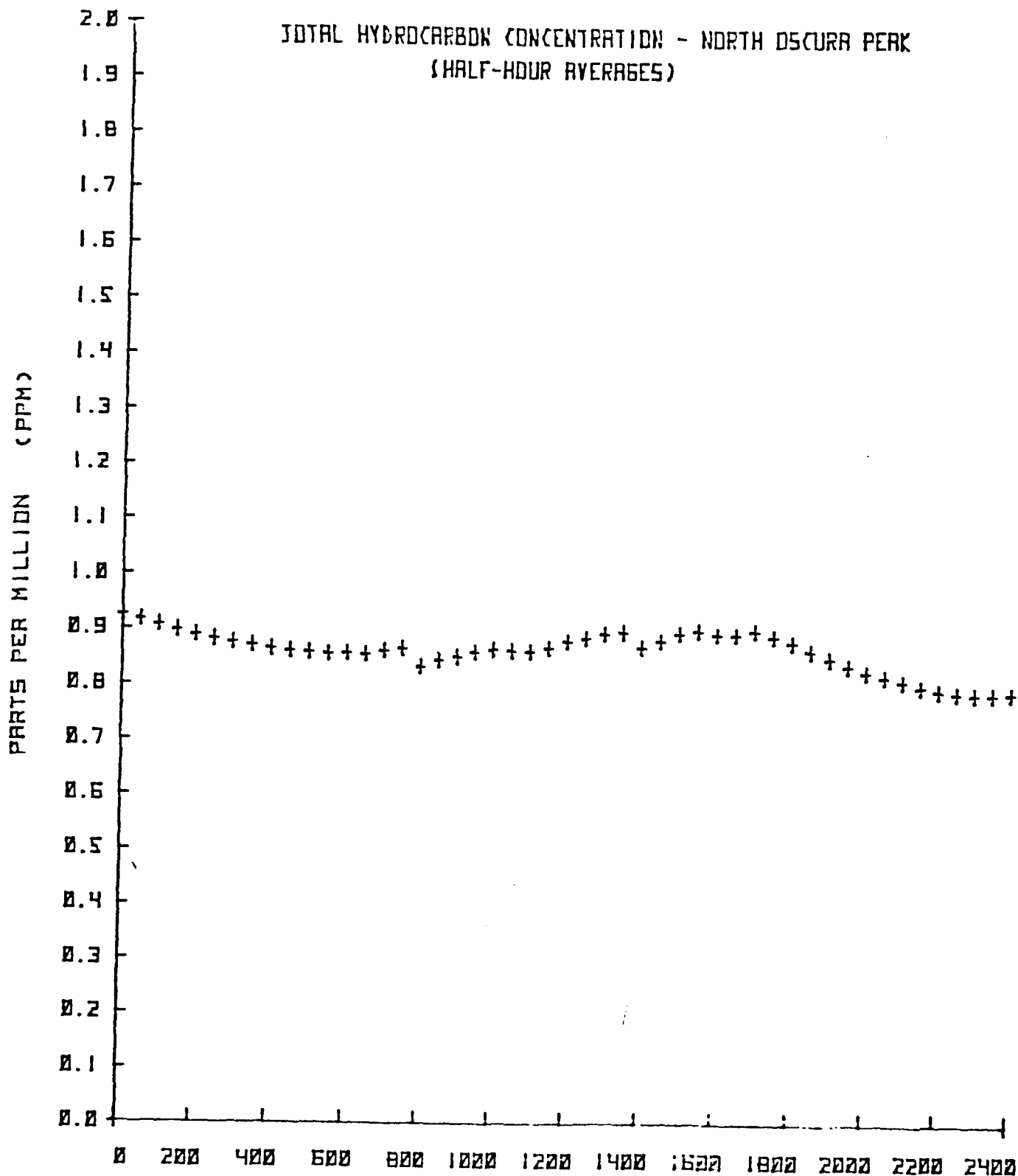


FIGURE A-2.93



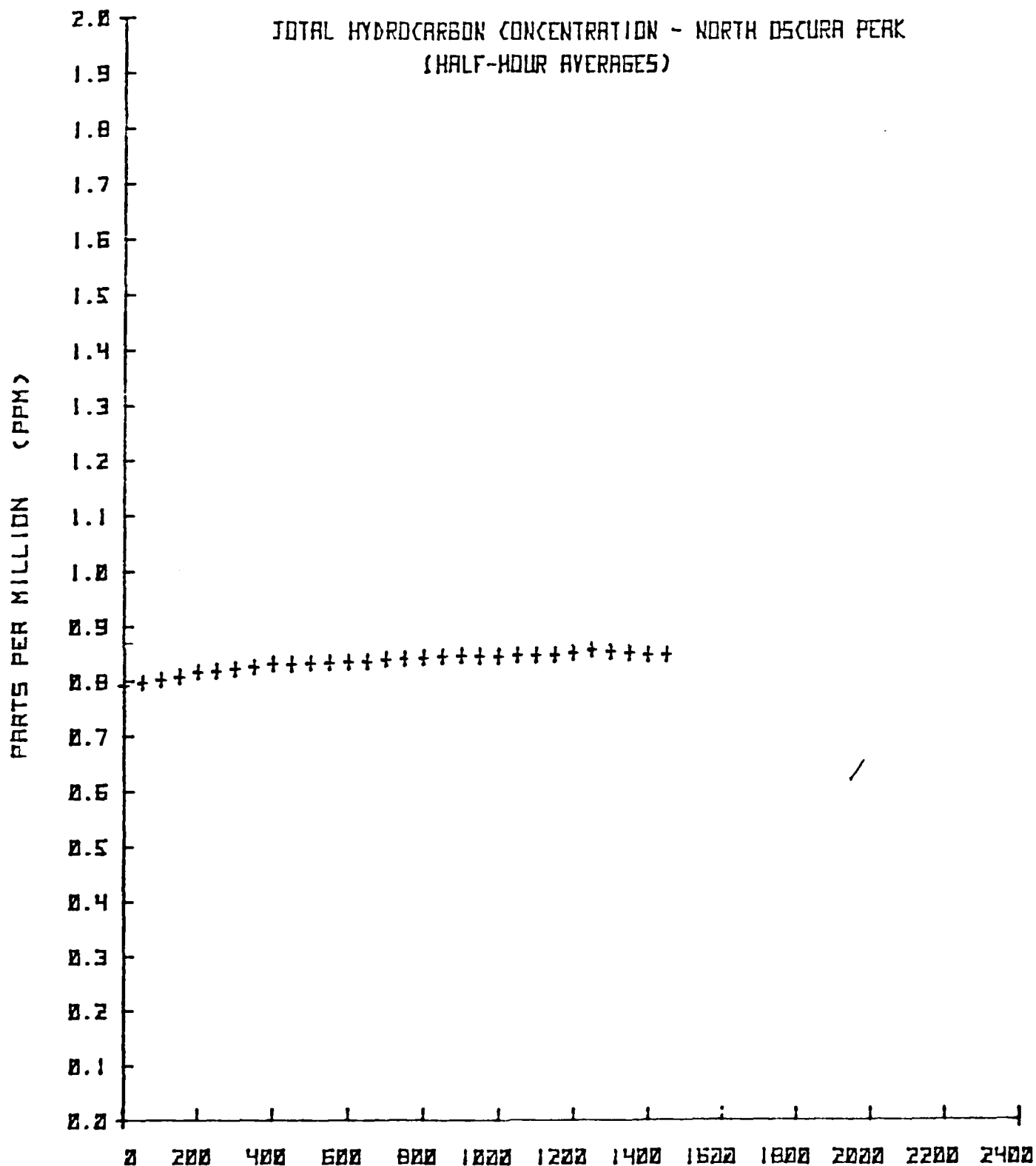
MST
22 APRIL 1980

FIGURE A-2.94



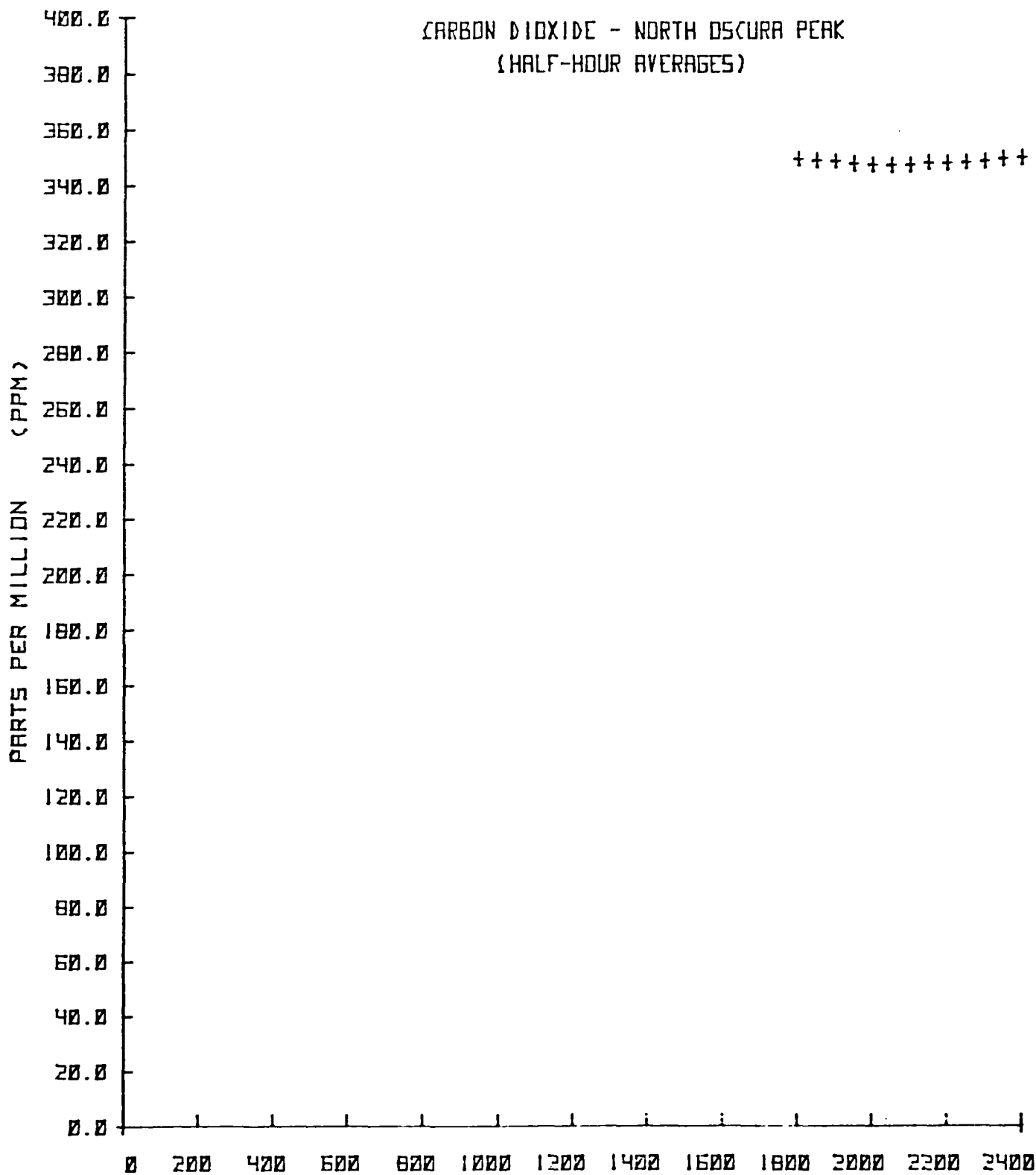
MST
23 APRIL 1988

FIGURE A-2.95



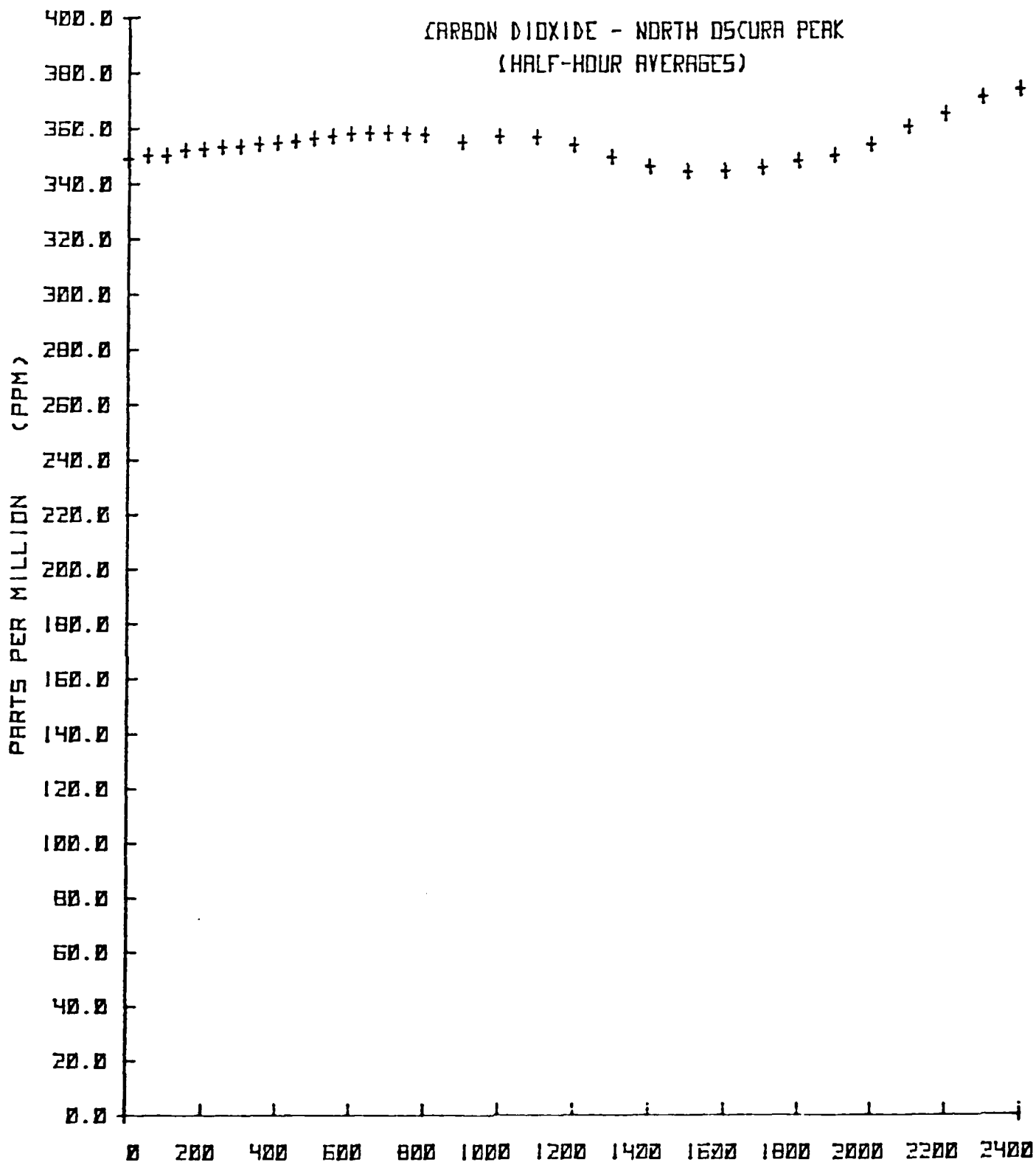
. MST
24 APRIL 1980

FIGURE A-2.96



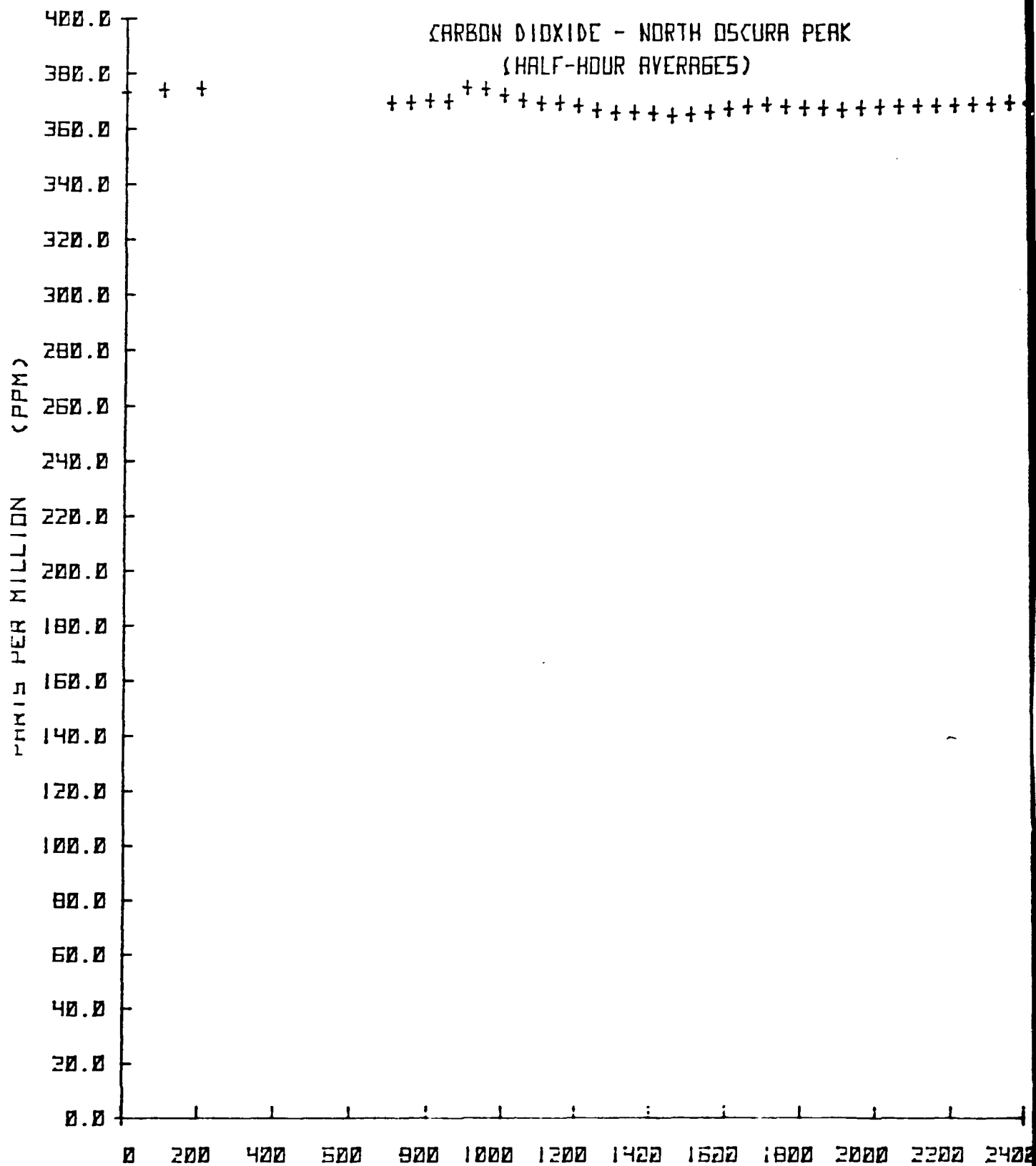
MST
10 APRIL 1980

FIGURE A-2.97



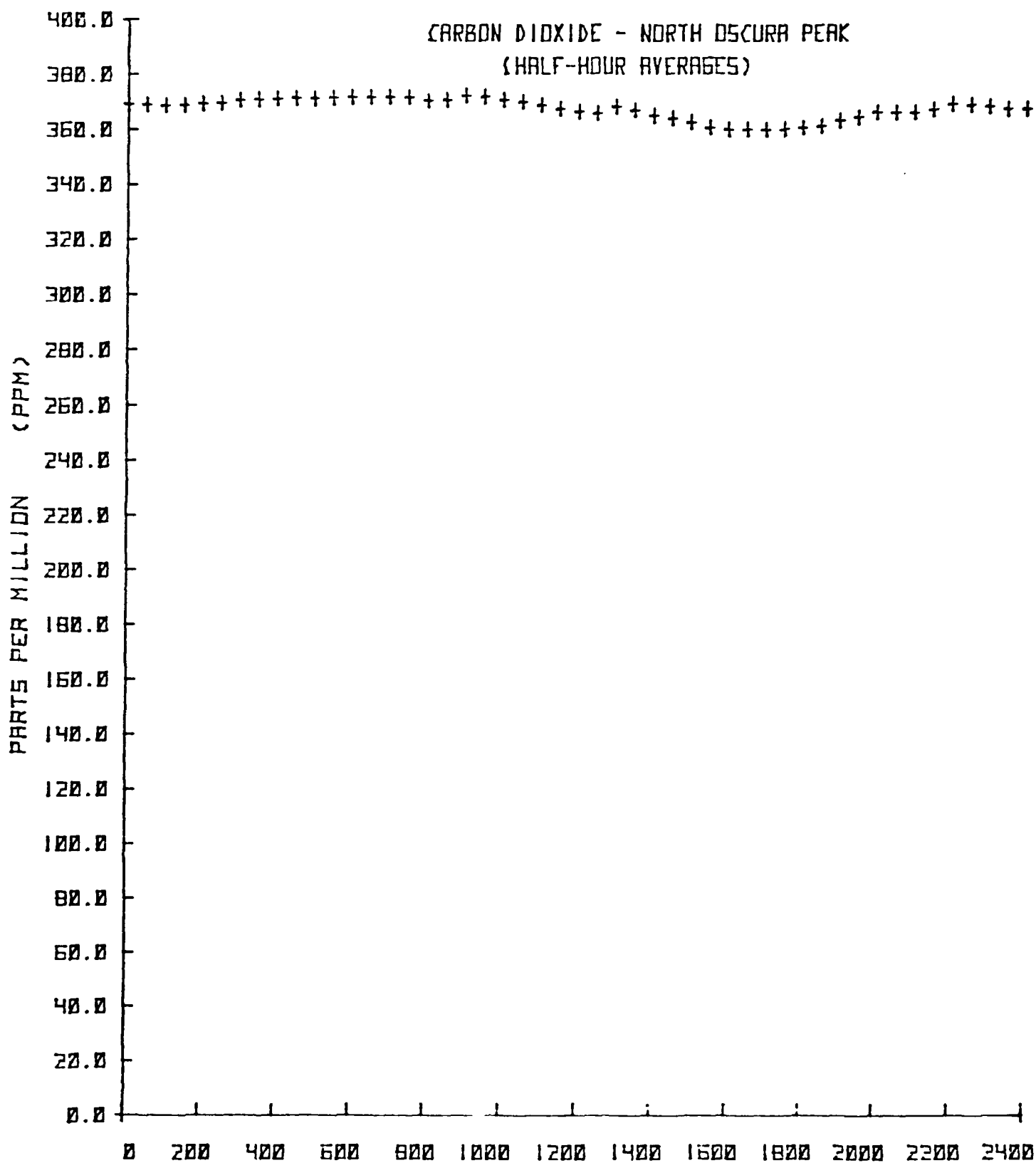
MST
11 APRIL 1980

FIGURE A-2.98

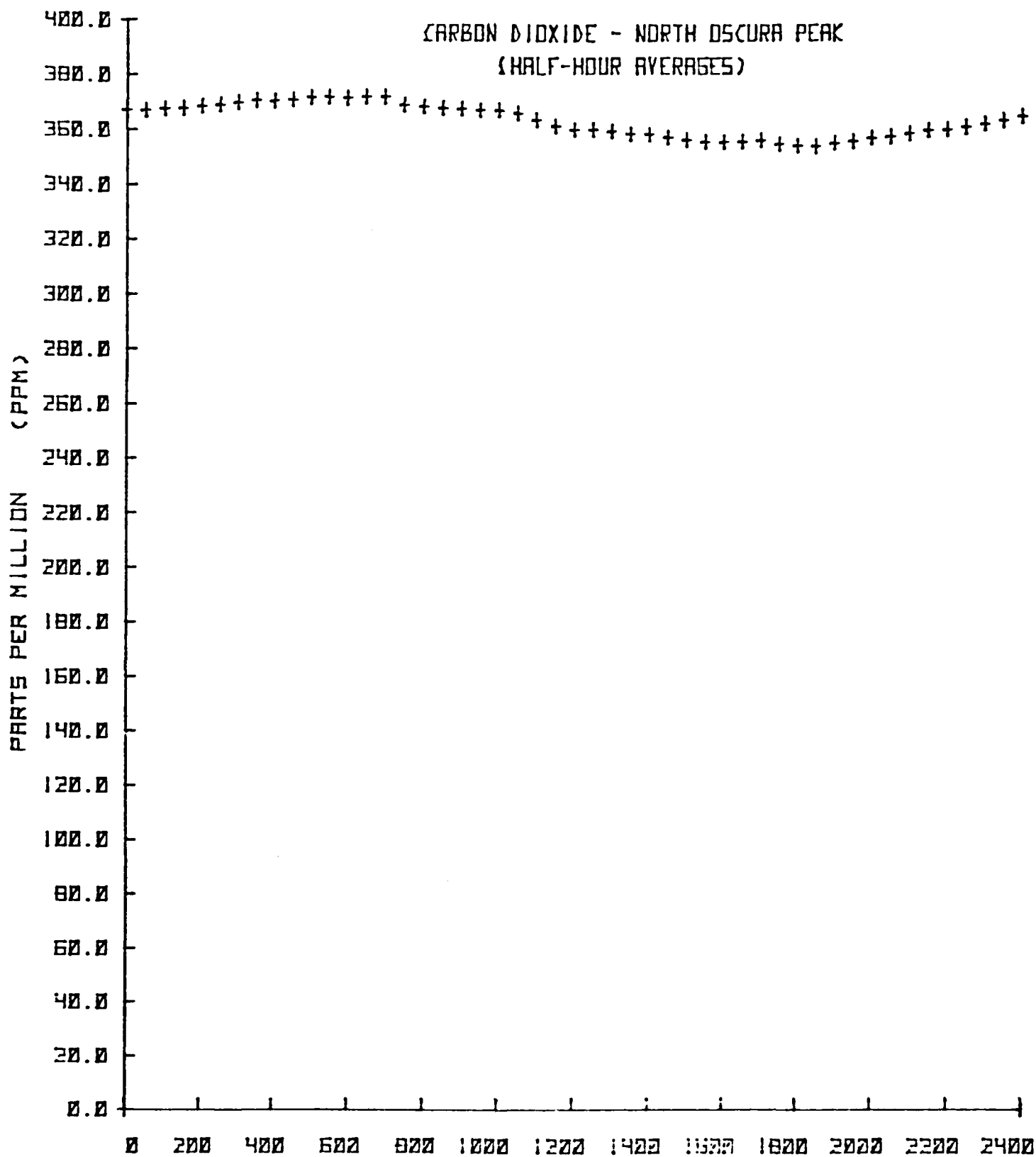


MST
12 APRIL 1988

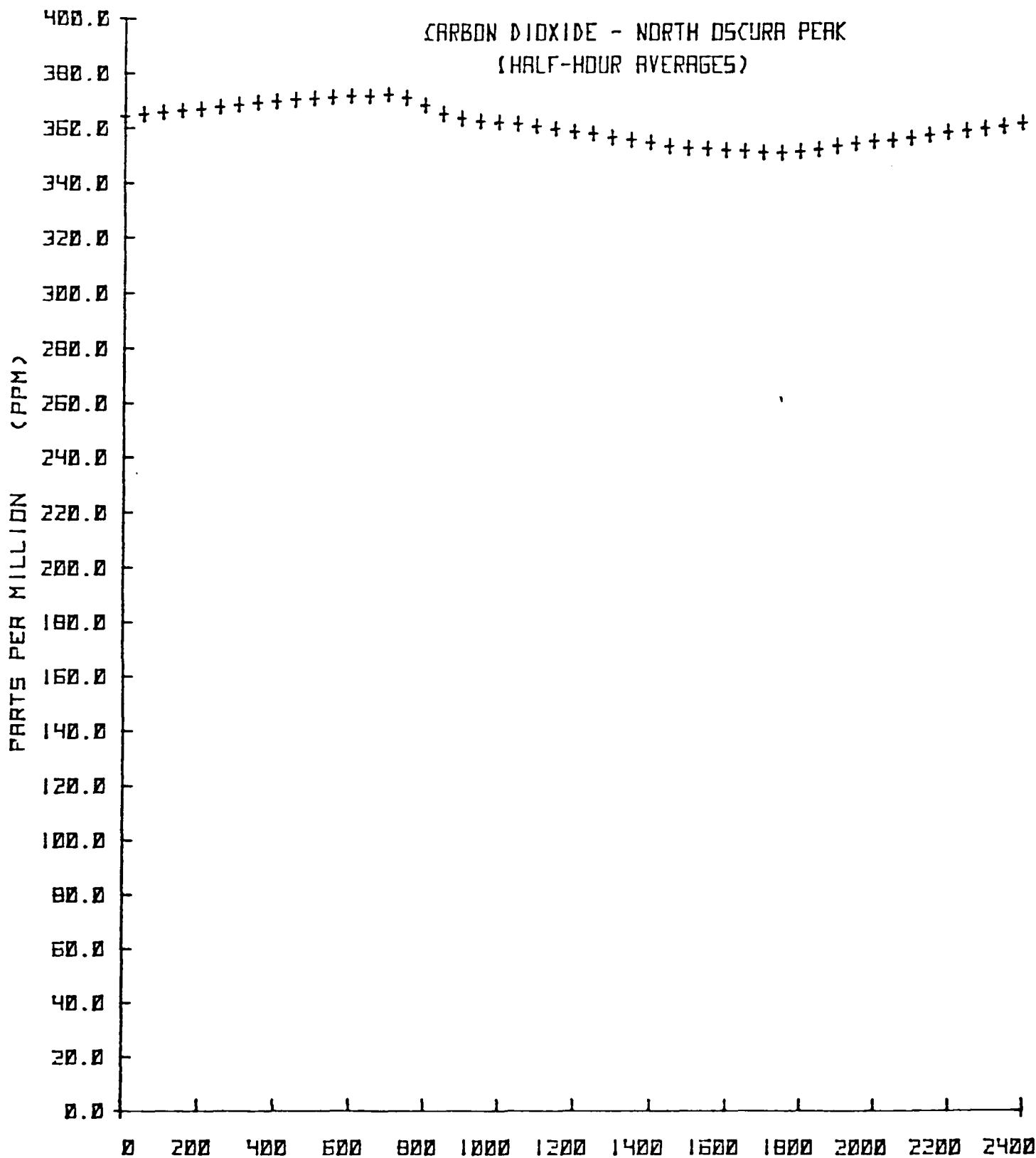
FIGURE A-2.99



MST
13 APRIL 1990
FIGURE A-2.100

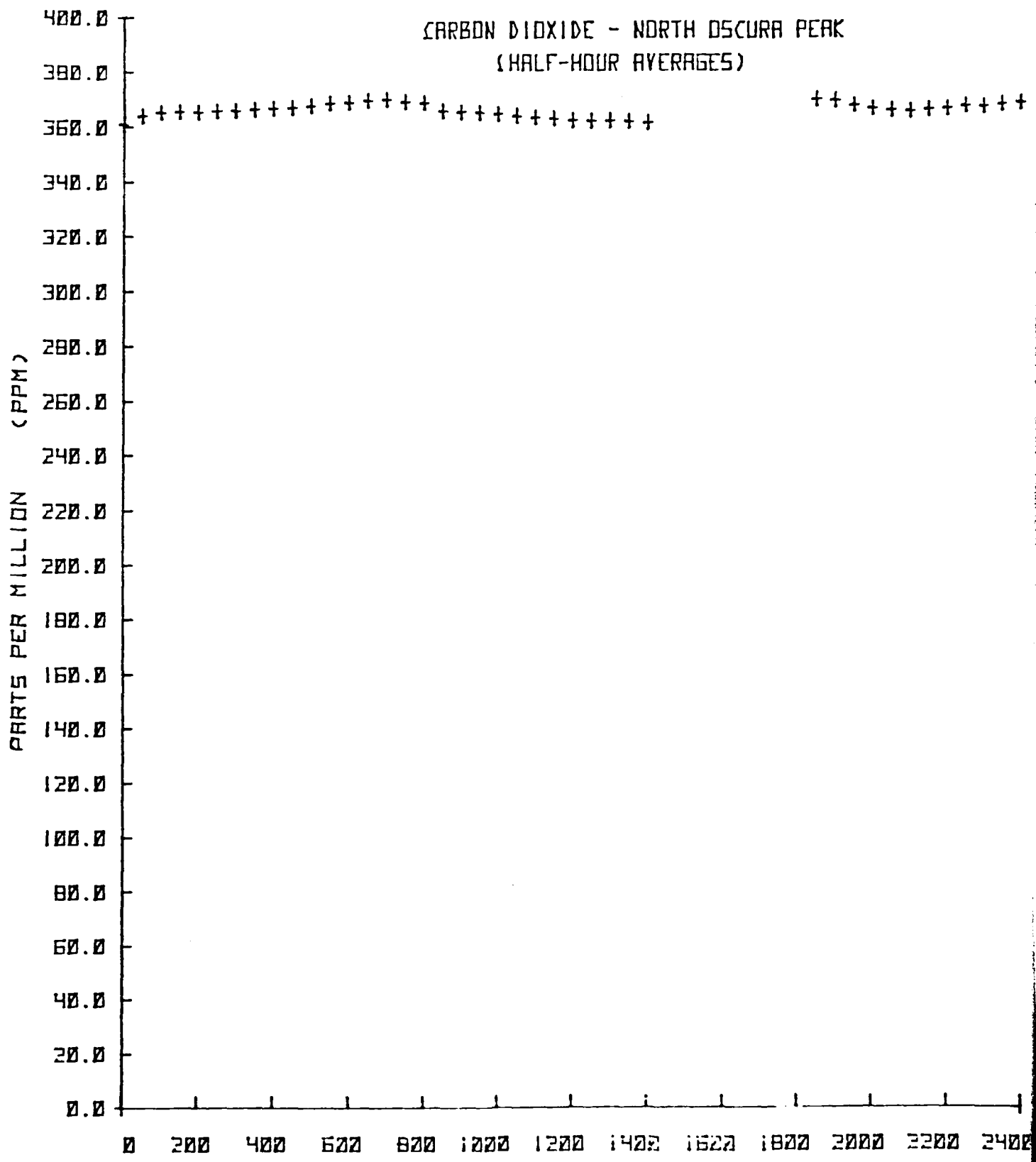


MST
14 APRIL 1980
FIGURE A-2.101

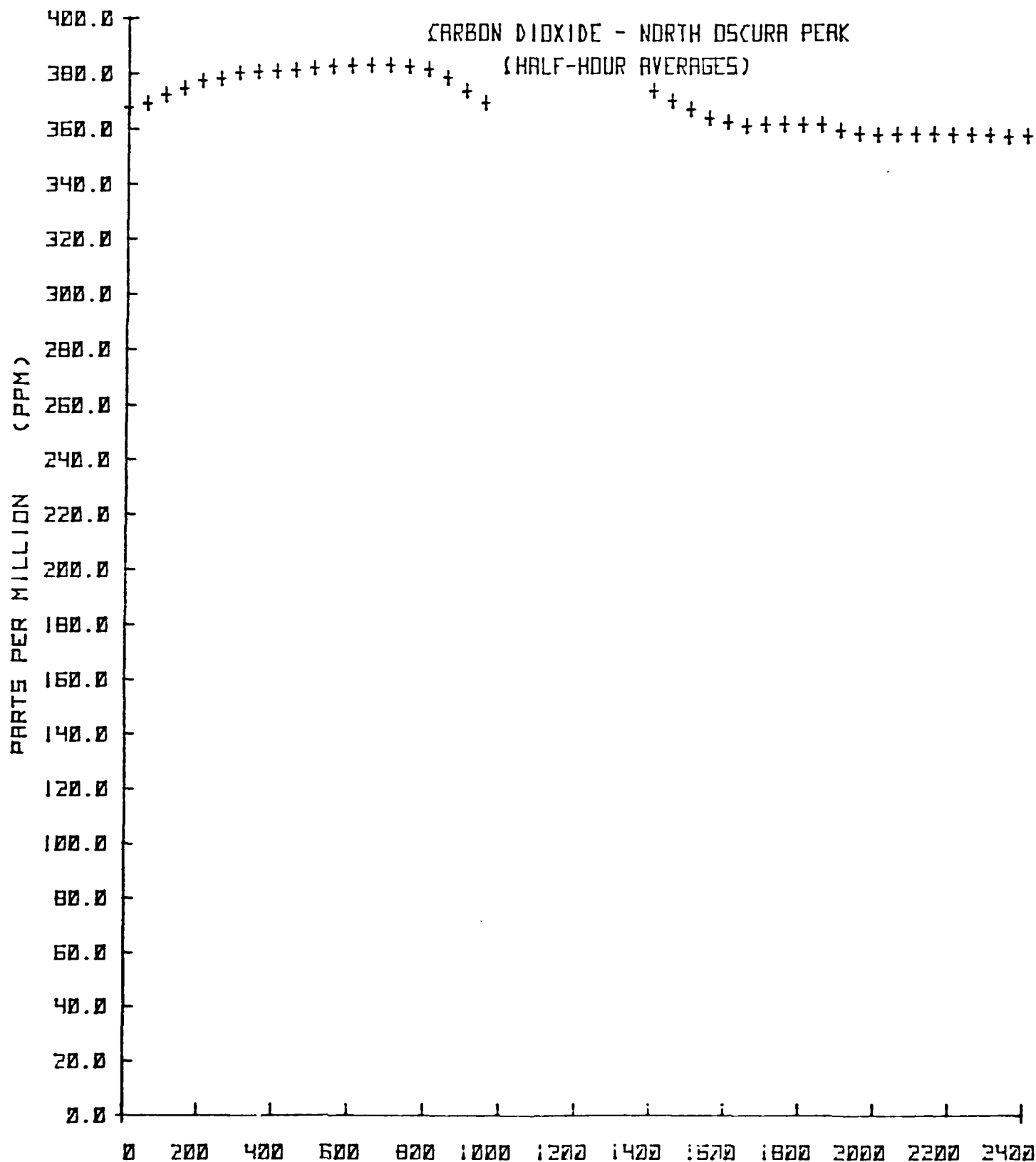


MST
15 APRIL 1980

FIGURE A-2.102



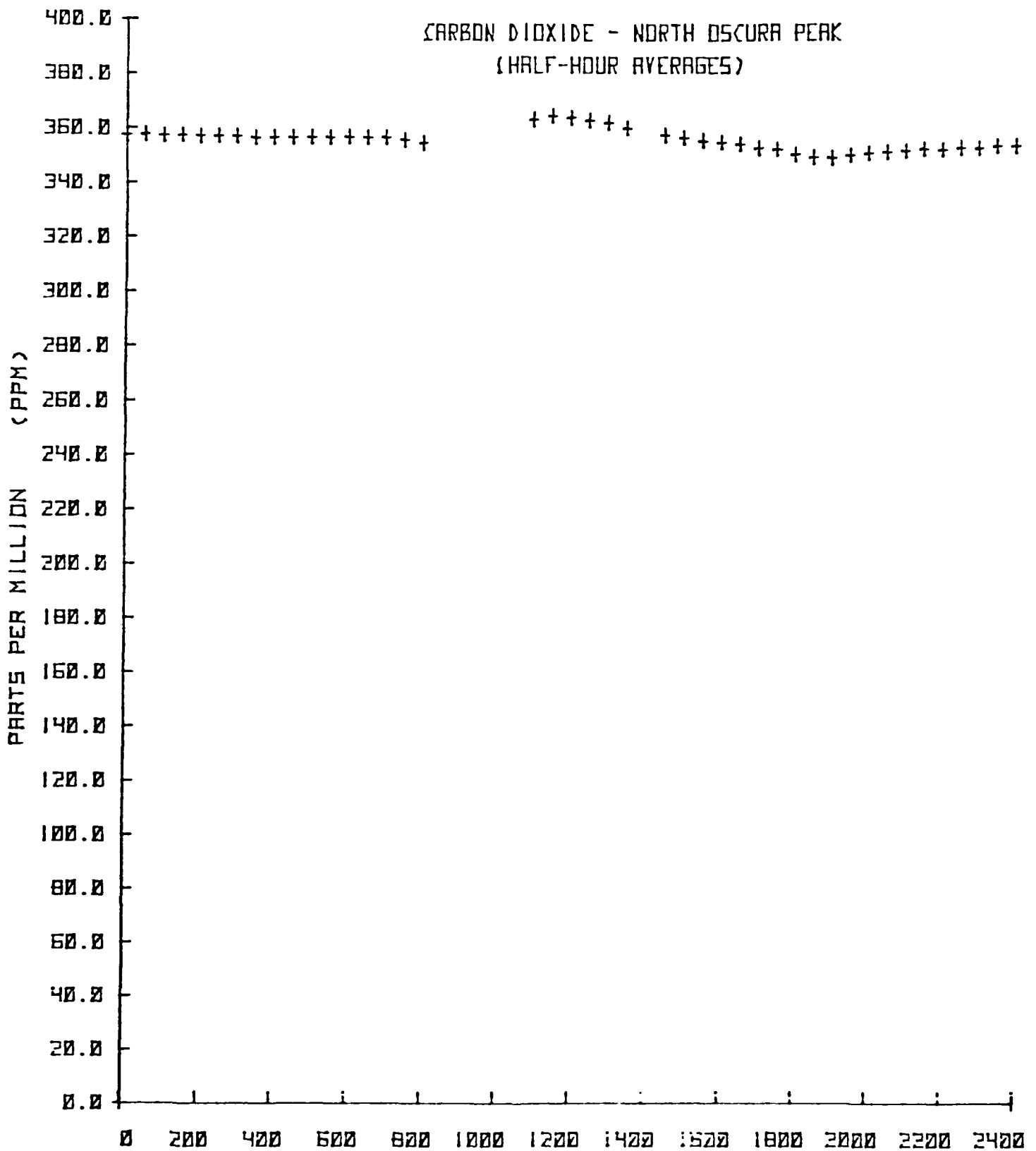
MST
16 APRIL 1980
FIGURE A-2.103



MST
17 APRIL 1983

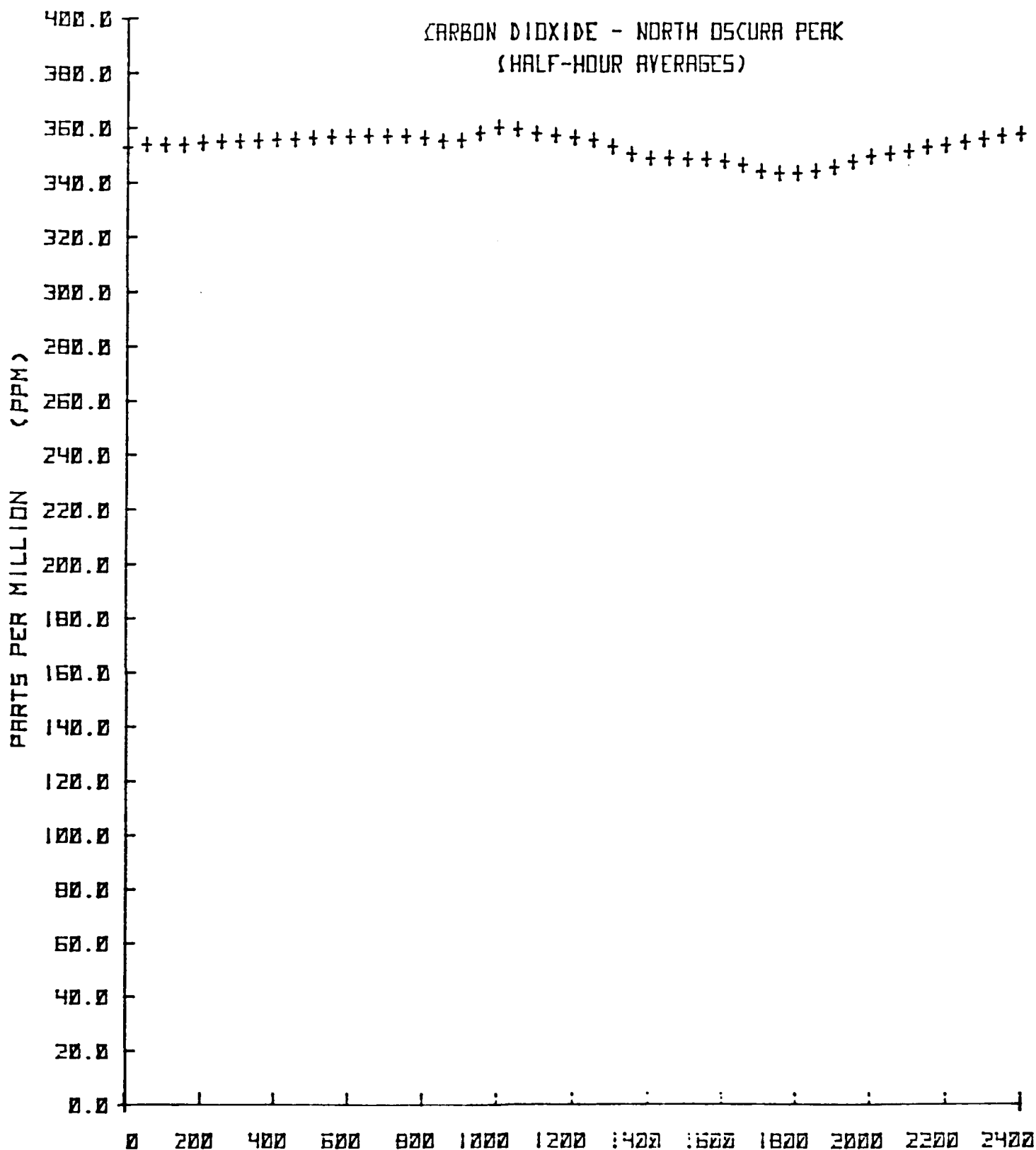
FIGURE A-2.104

CARBON DIOXIDE - NORTH OSCURA PEAK
(HALF-HOUR AVERAGES)



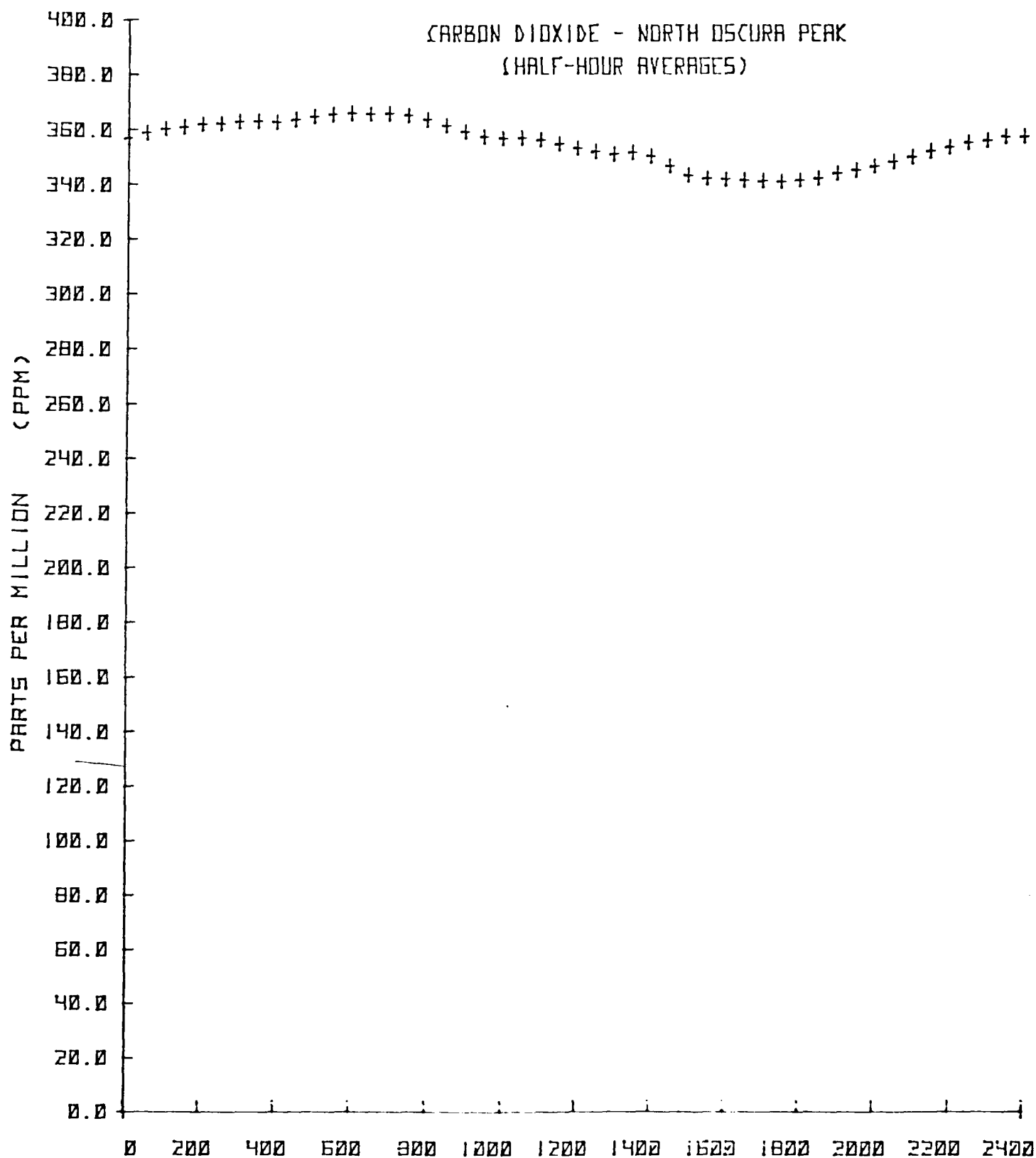
MST
18 APRIL 1980

FIGURE A-2.105

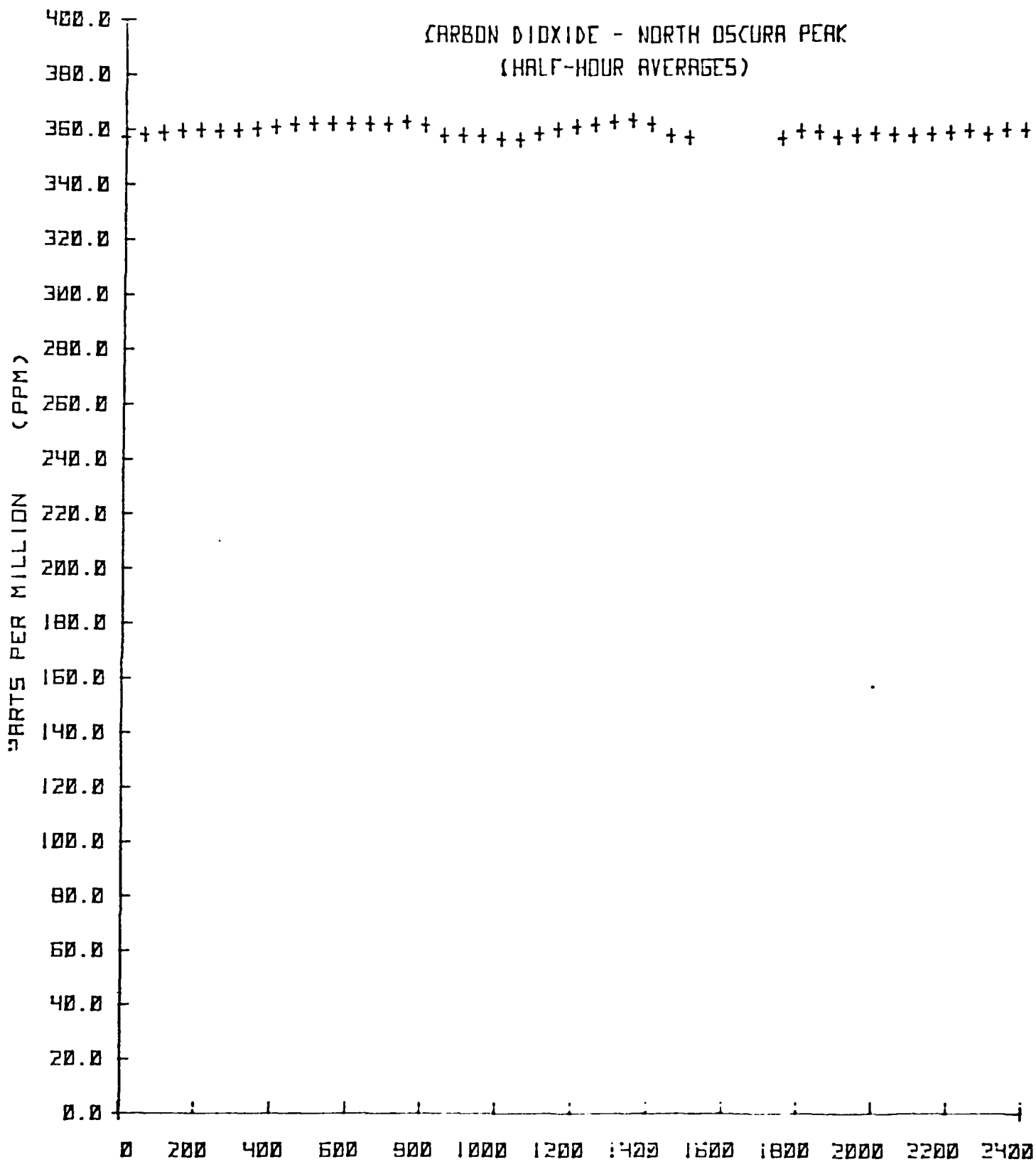


MST
19 APRIL 1980

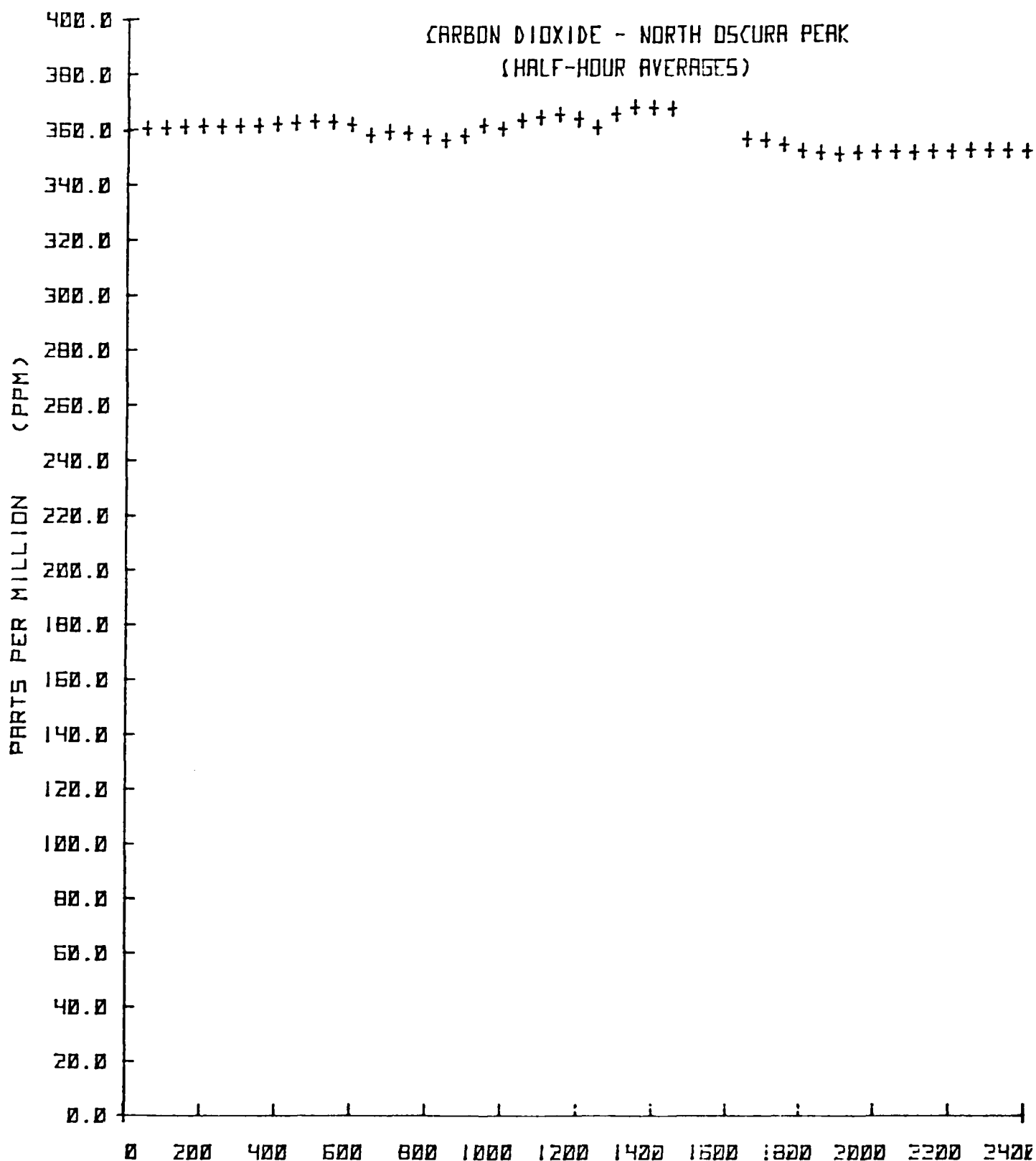
FIGURE A-2.106



MST
20 APRIL 1980
FIGURE A-2.107

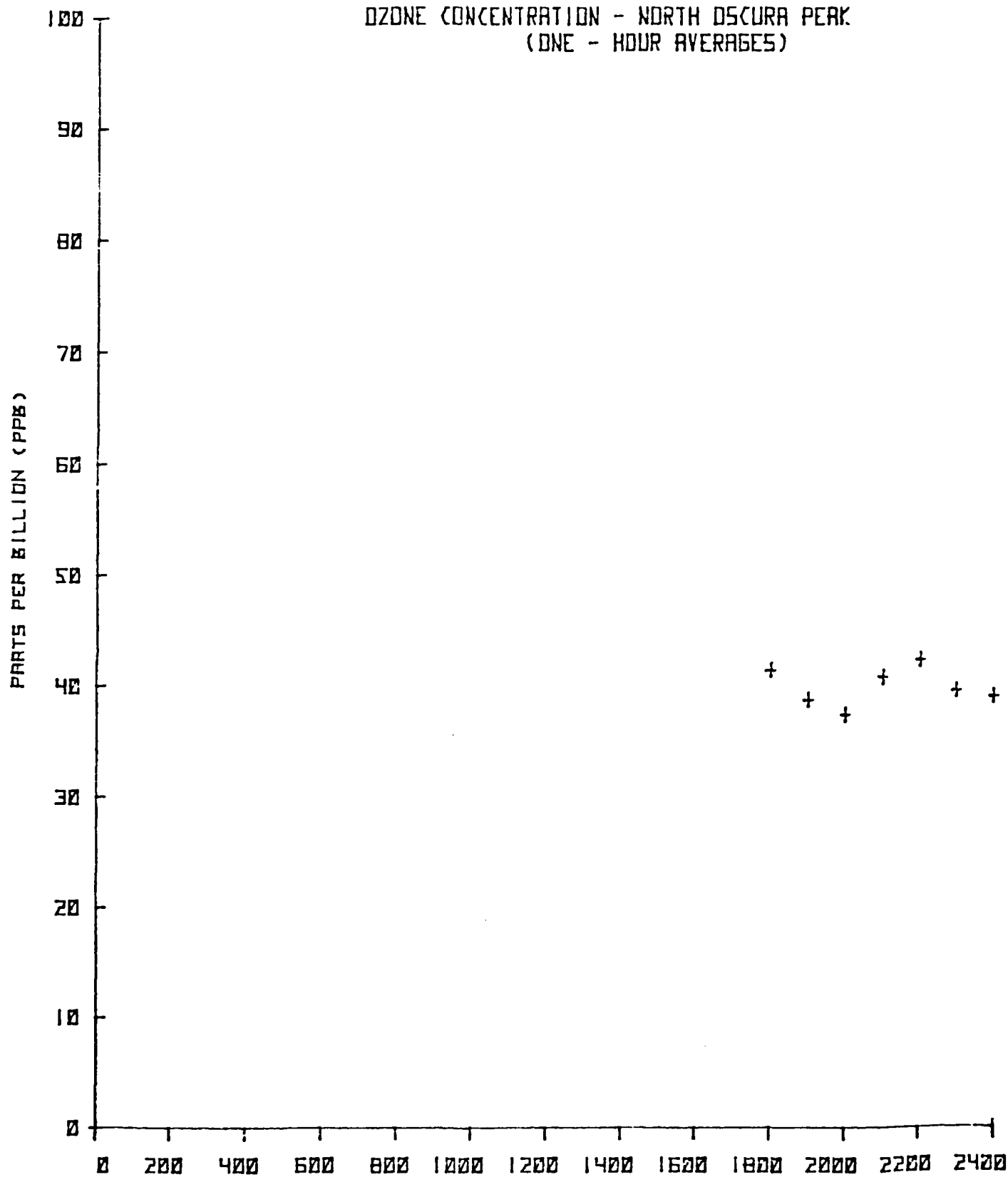


. MST
21 APRIL 1980
FIGURE A-2.108



MST
72 APRIL 1980
FIGURE A-2.109

OZONE CONCENTRATION - NORTH OSCURA PEAK
(ONE - HOUR AVERAGES)



MST
10 APRIL 1980
FIGURE A-2.110

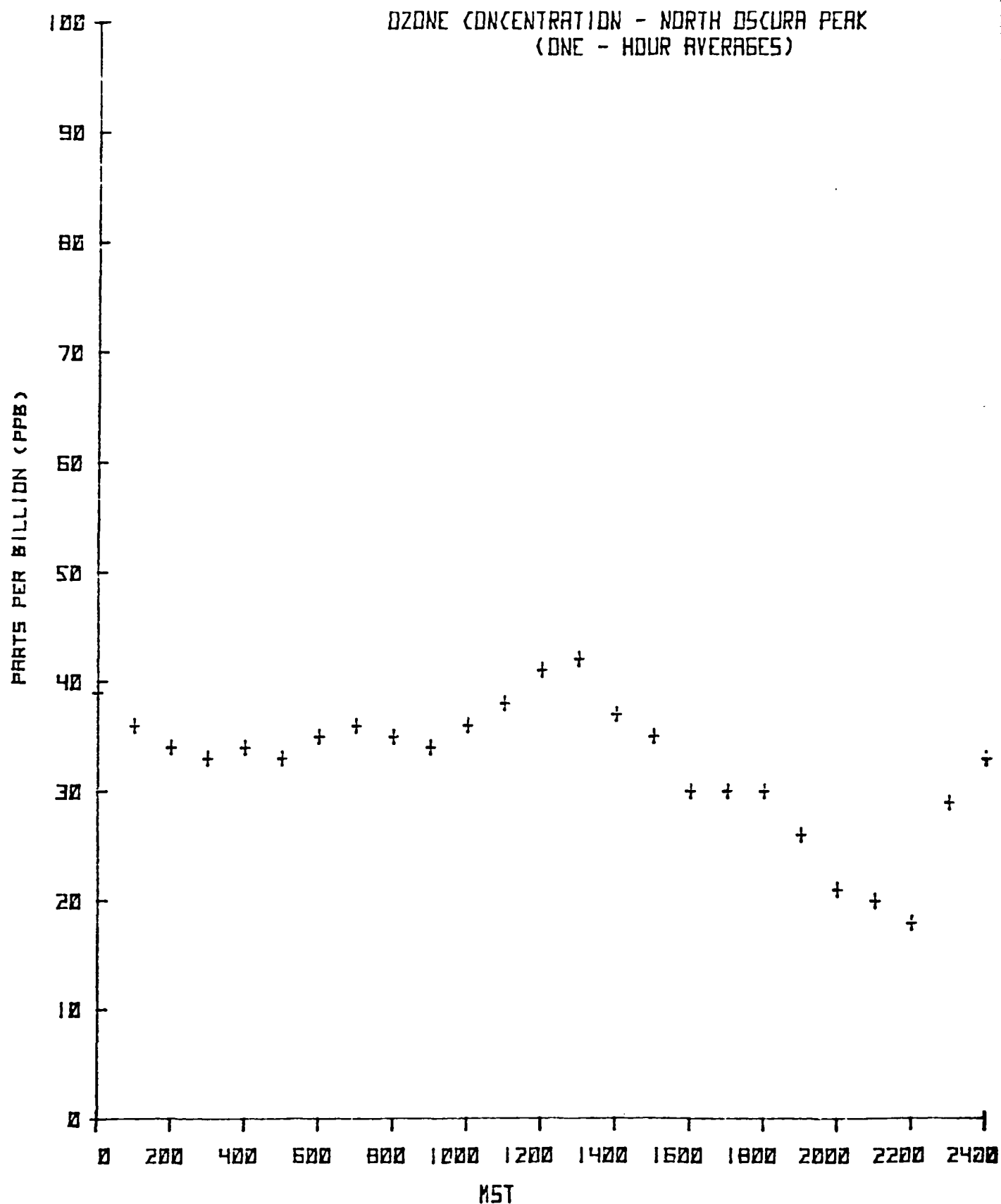
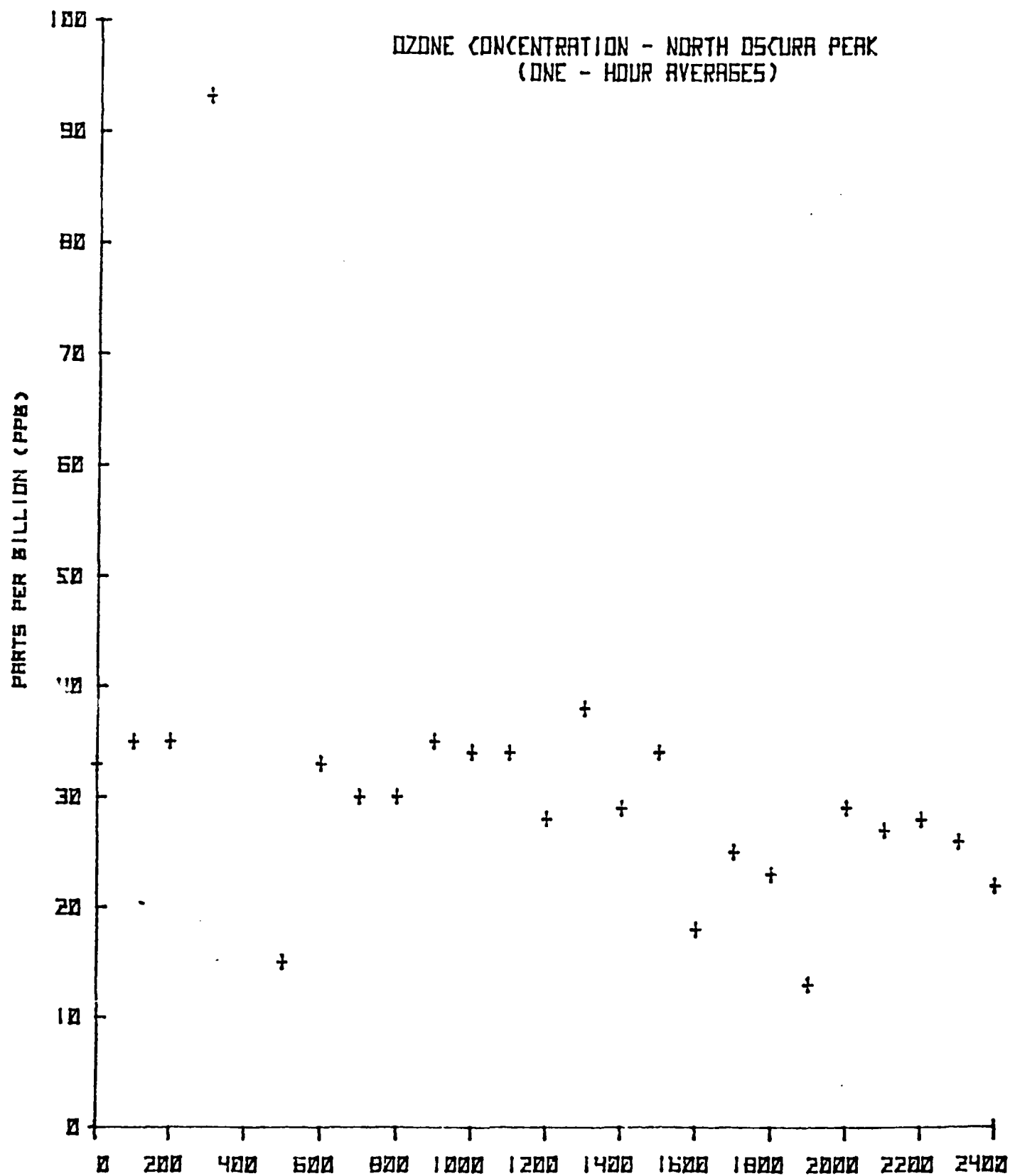
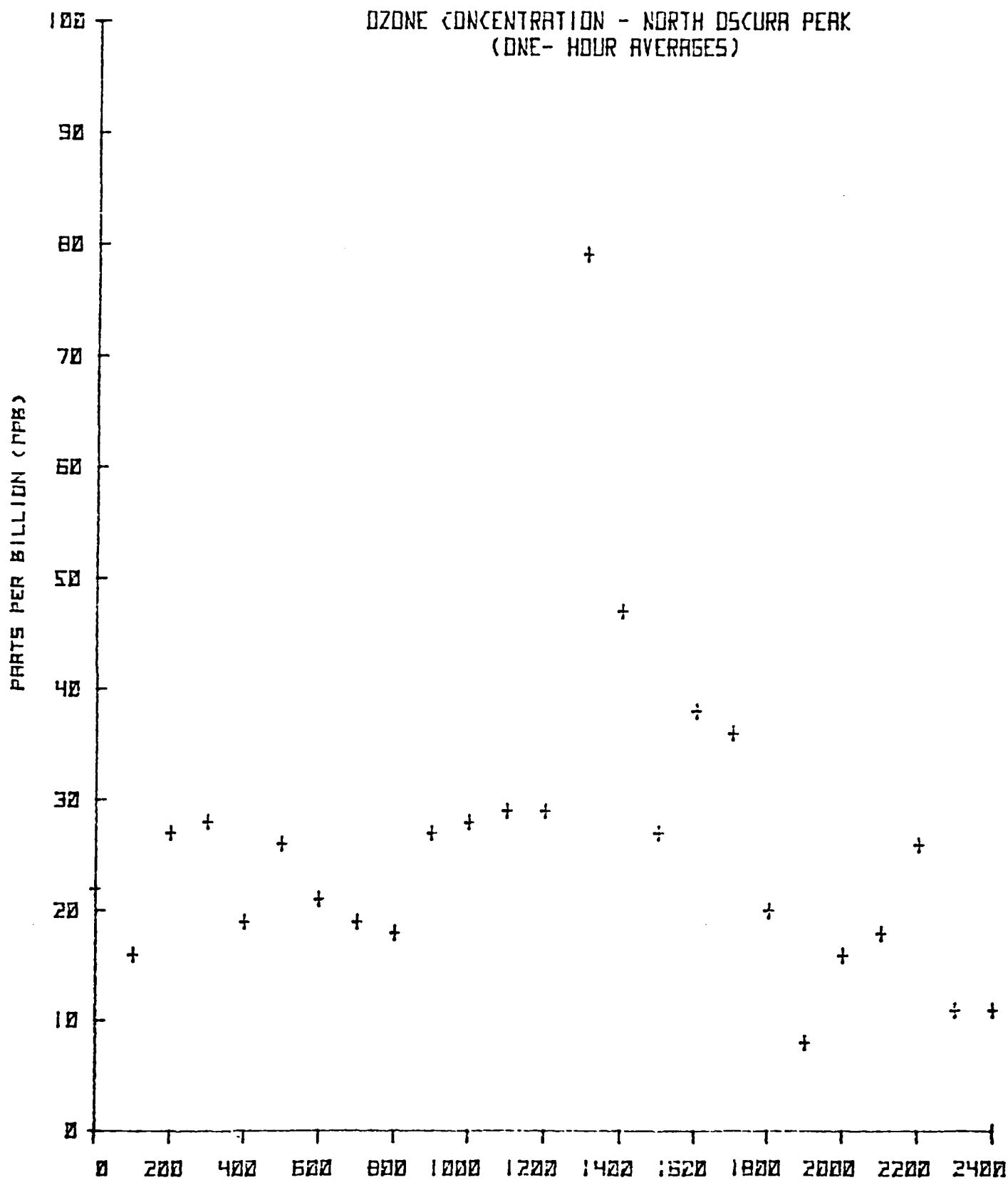


FIGURE A-2.111

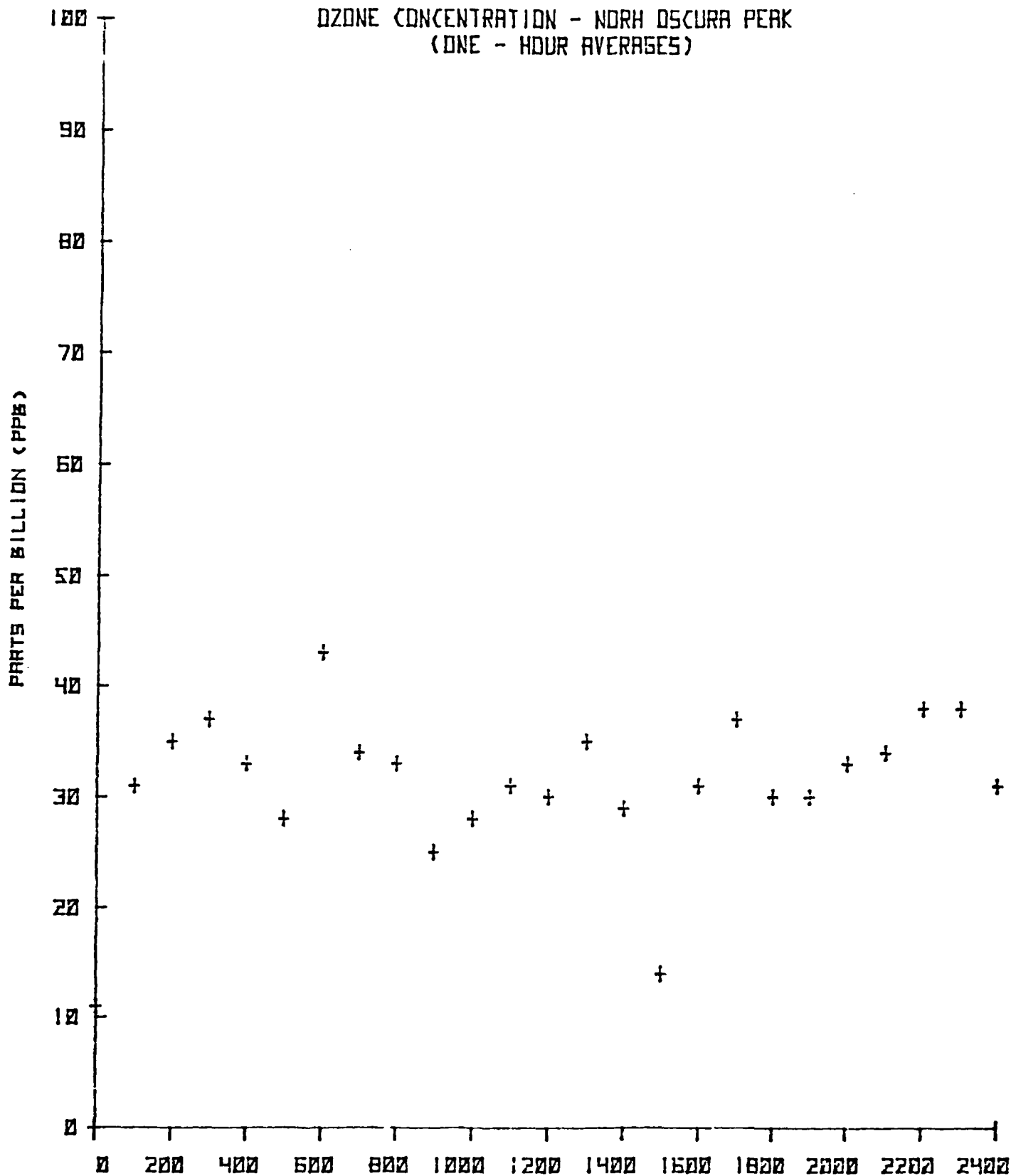


HST
12 APRIL 1980
FIGURE A-2.112

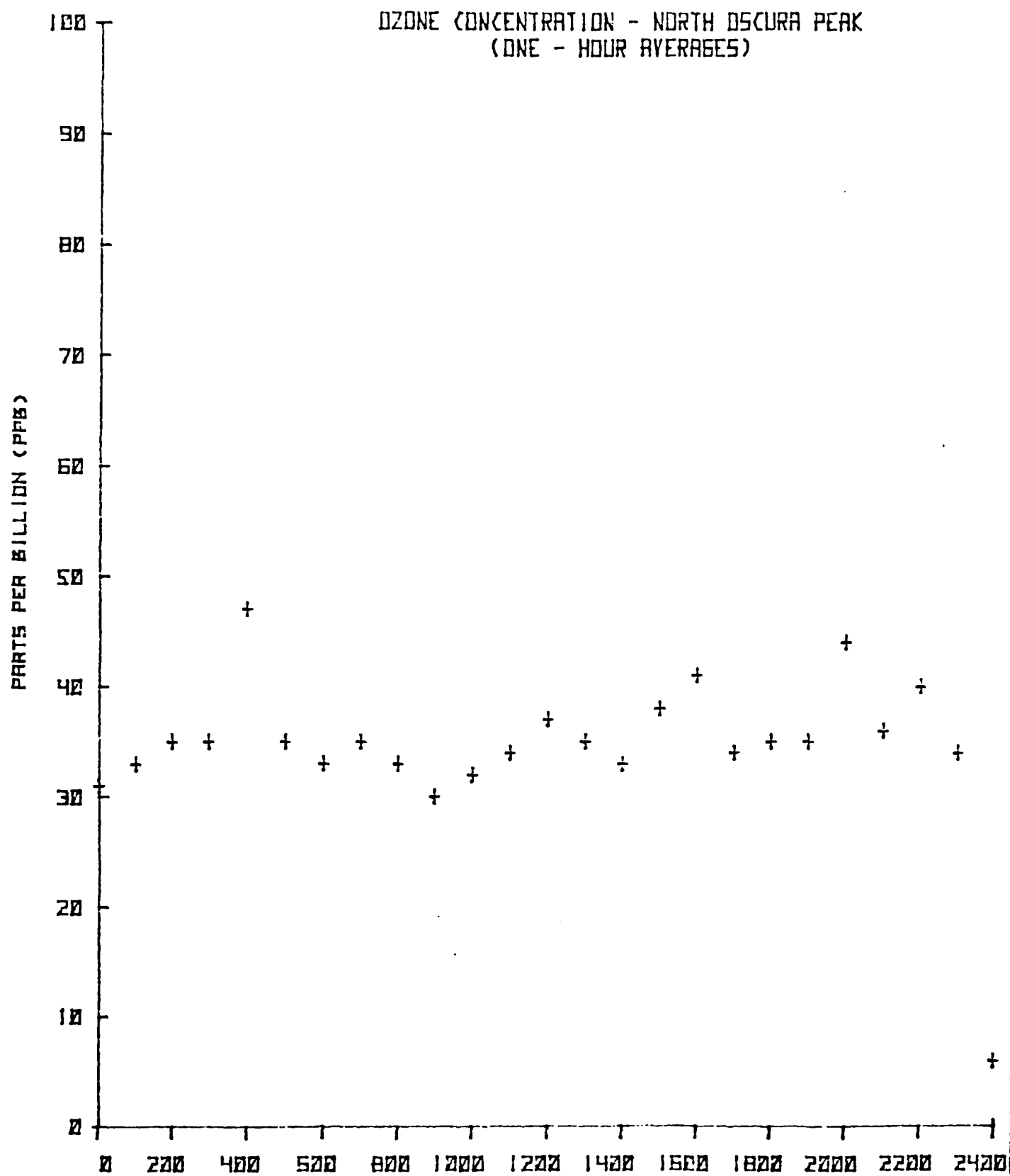


MST
13 APRIL 1980
FIGURE A-2.113

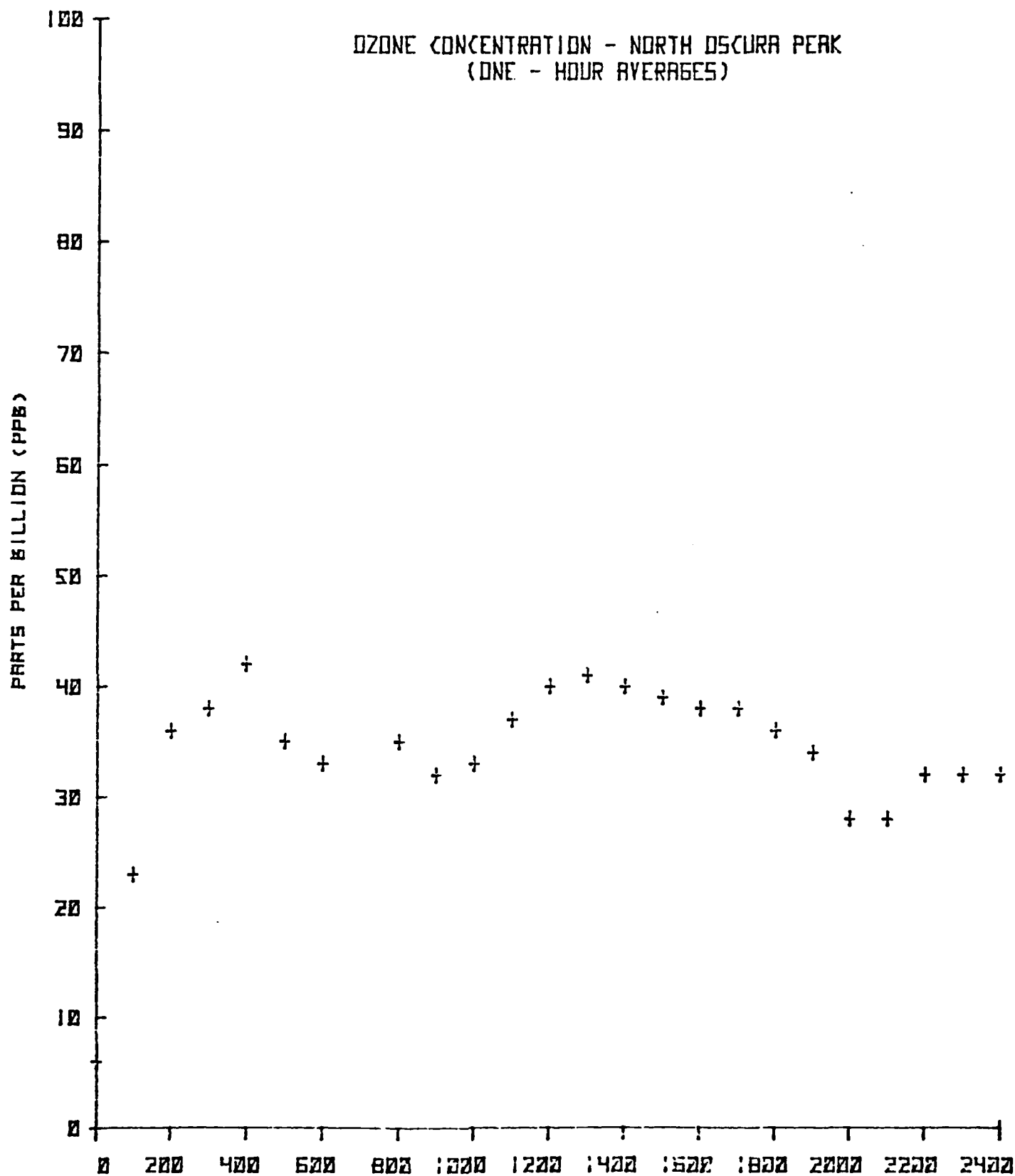
OZONE CONCENTRATION - NORR OSCURA PEAK
(ONE - HOUR AVERAGES)



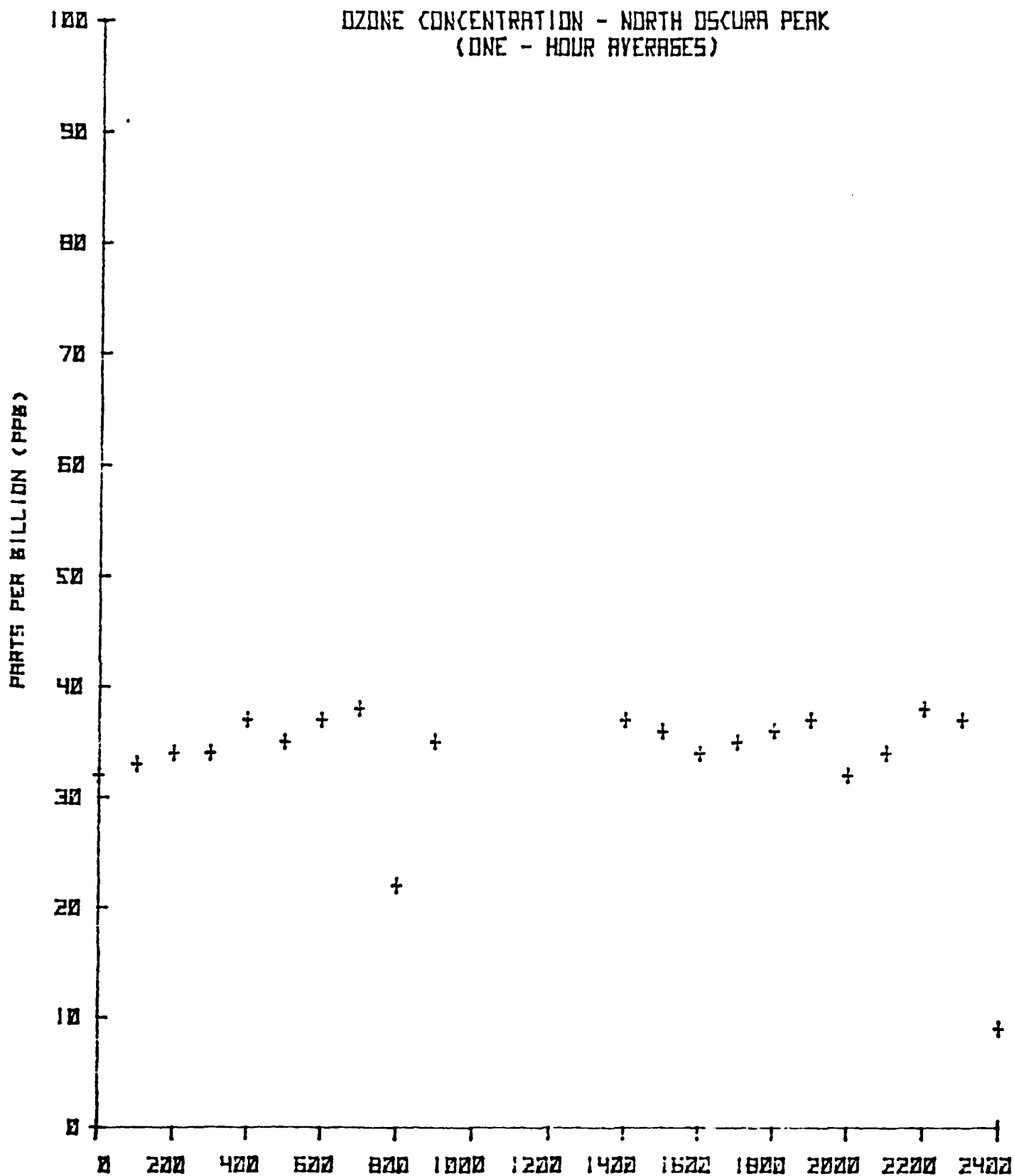
MST
14 APRIL 1980
FIGURE A-2.114



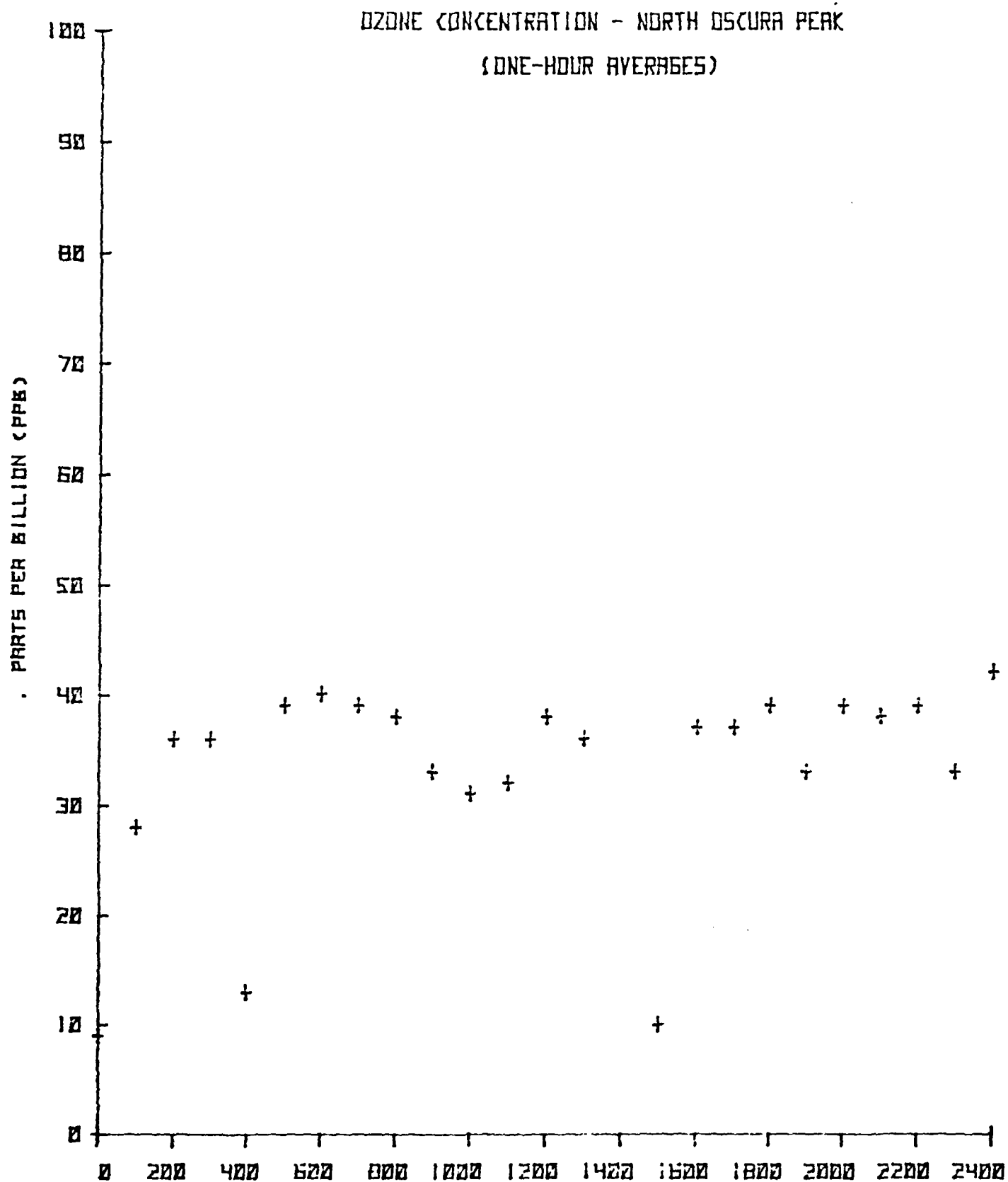
MST
15 APRIL 1980
FIGURE A-2.115



MST
16 APRIL 1980
FIGURE A-2.116



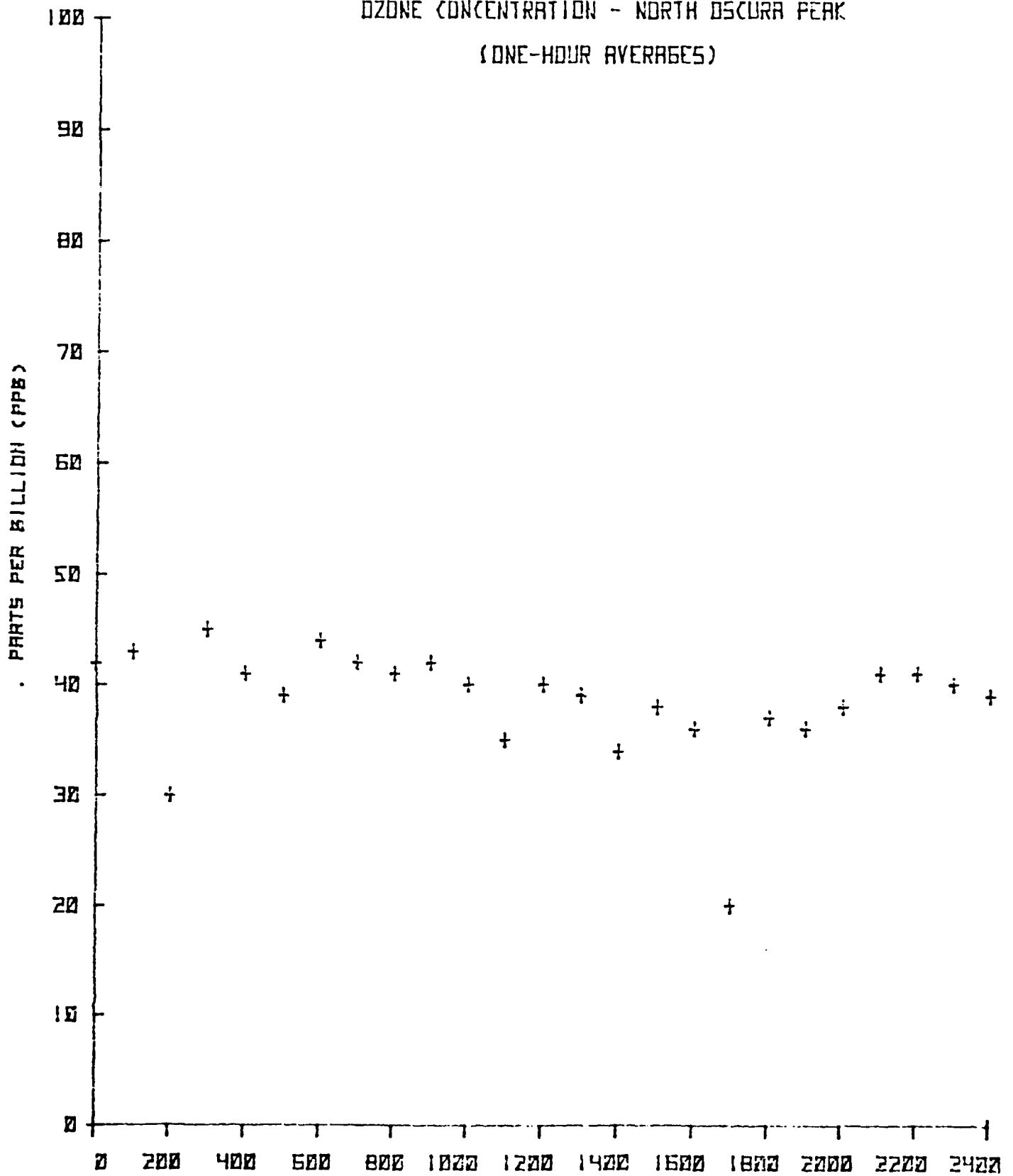
HST
17 APRIL 1980
FIGURE A-2.117



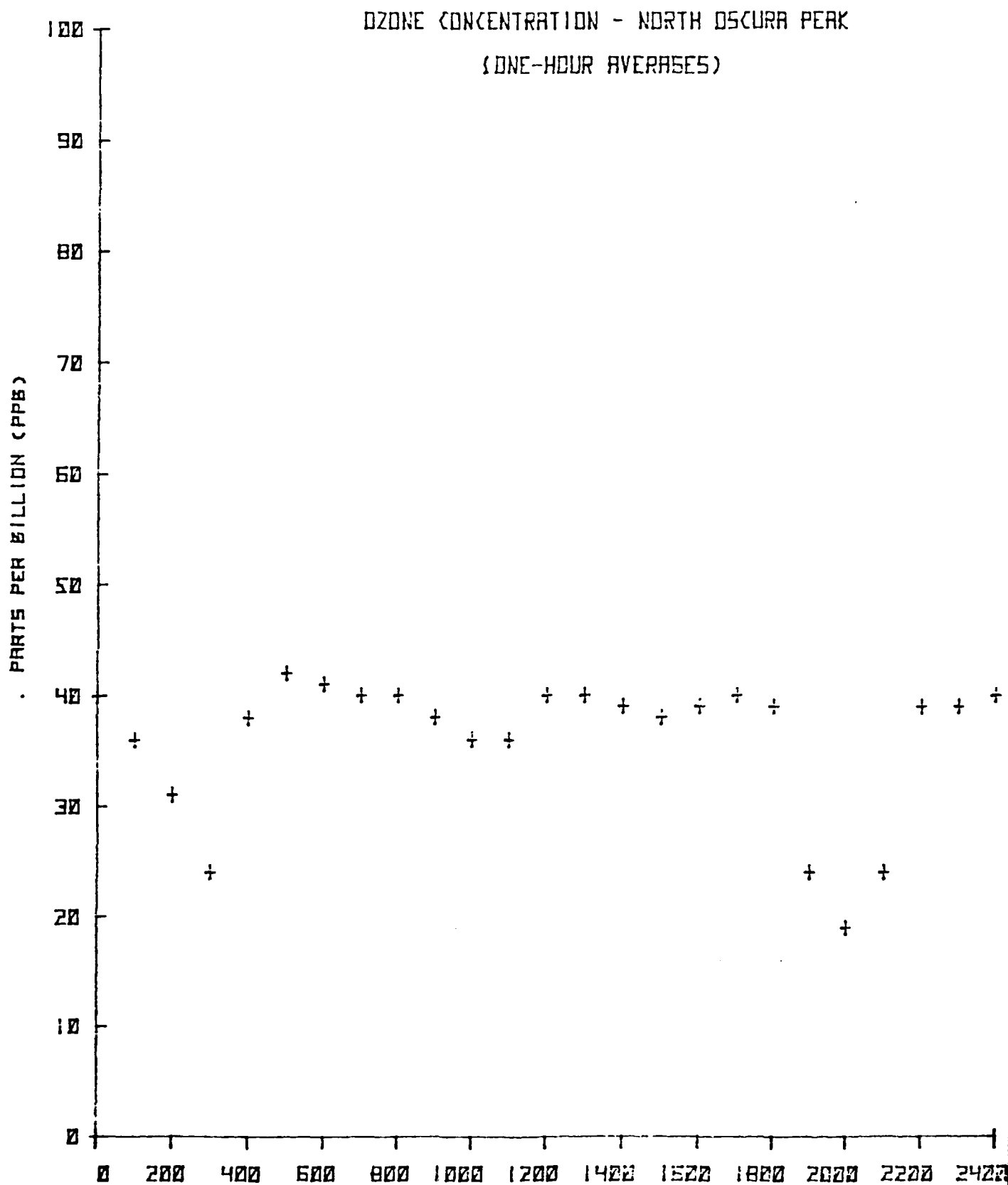
MST
18 APRIL 1980

FIGURE A-2.118

OZONE CONCENTRATION - NORTH OSCURA PEAK
(ONE-HOUR AVERAGES)



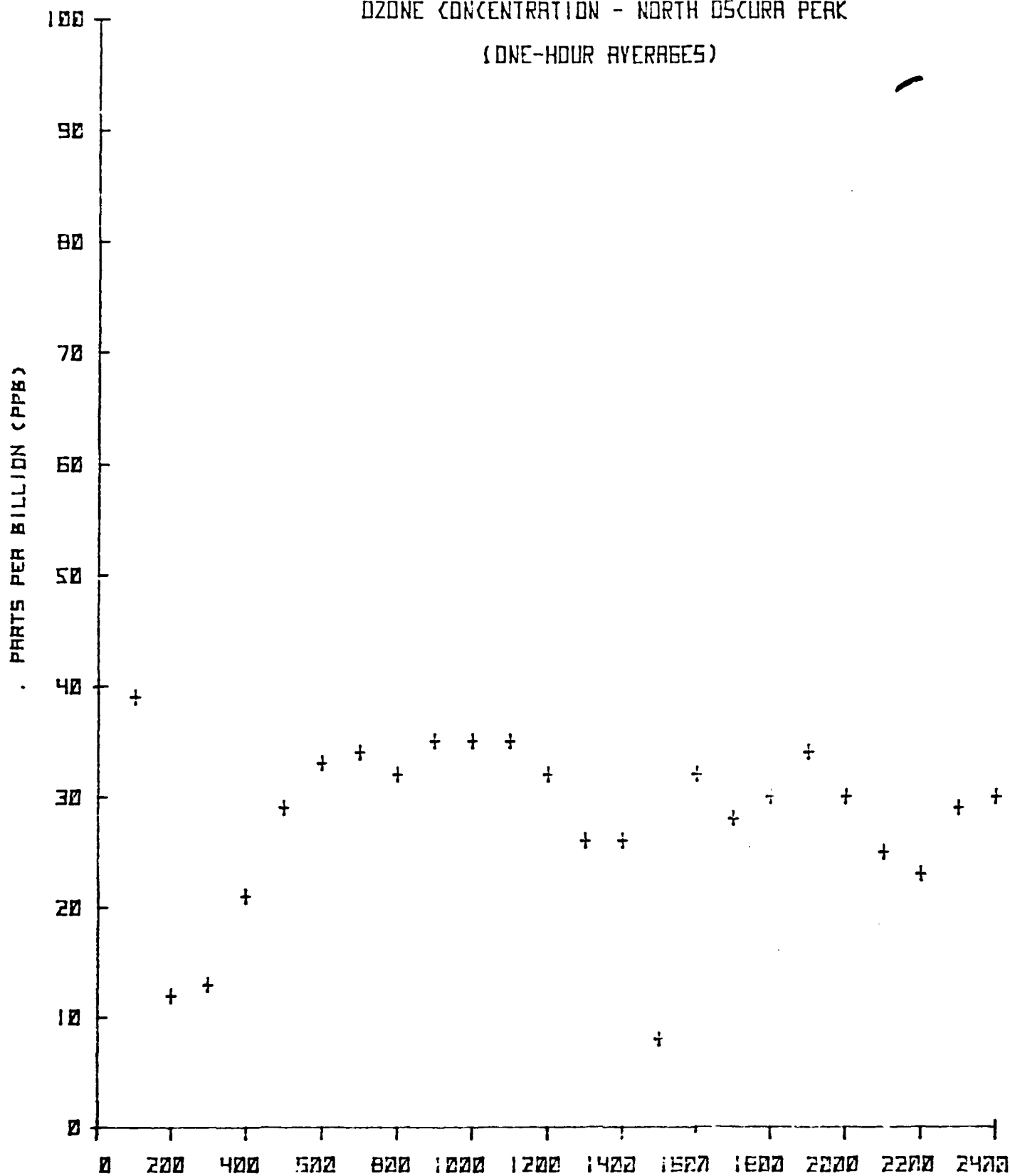
MST
19 APRIL 1980
FIGURE A-2.119



MST
20 APRIL 1980

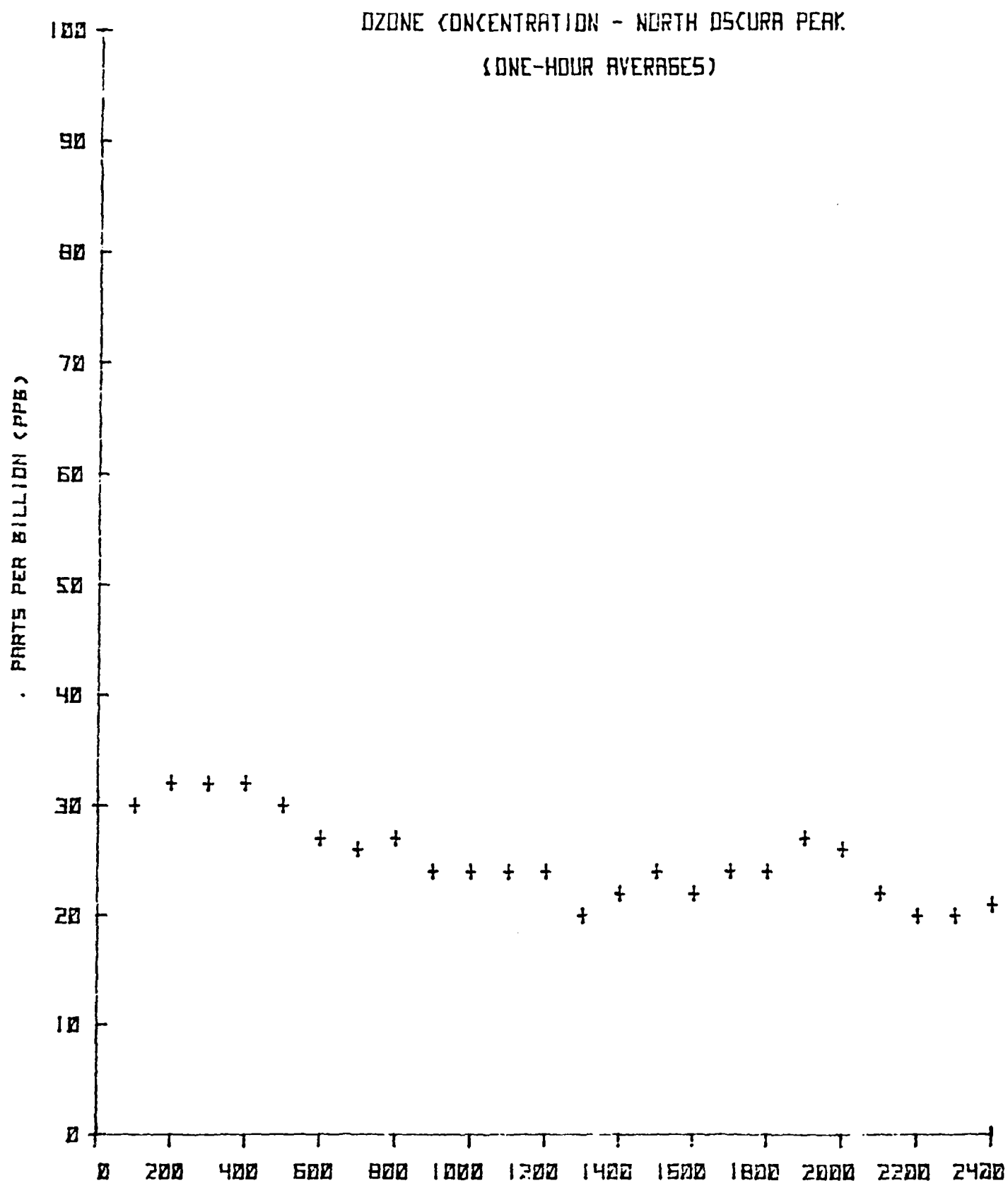
FIGURE A-2.120

OZONE CONCENTRATION - NORTH OSCURA PEAK
(ONE-HOUR AVERAGES)



MST
21 APRIL 1980

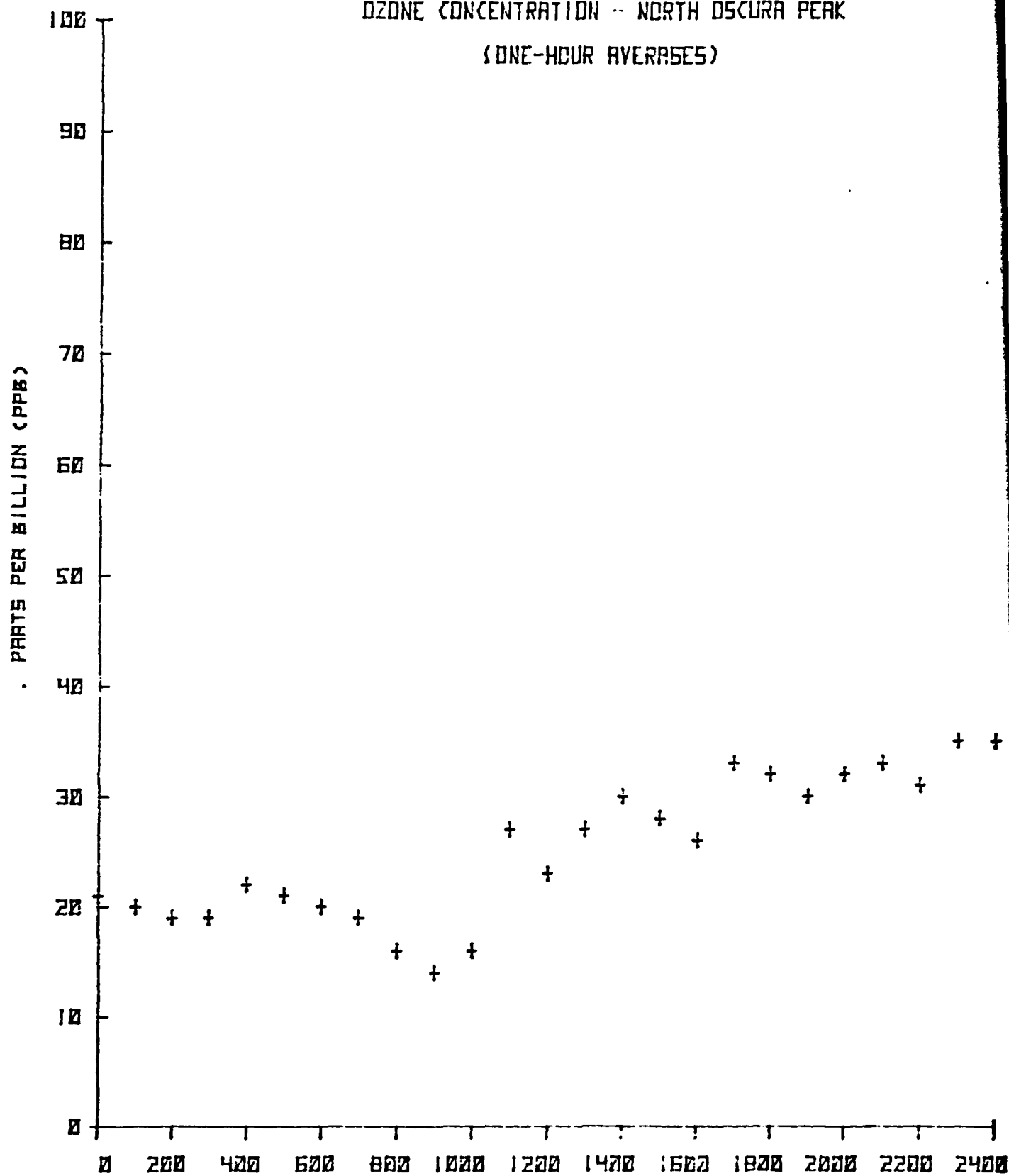
FIGURE A-2.121



MST
22 APRIL 1980

FIGURE A-2.122

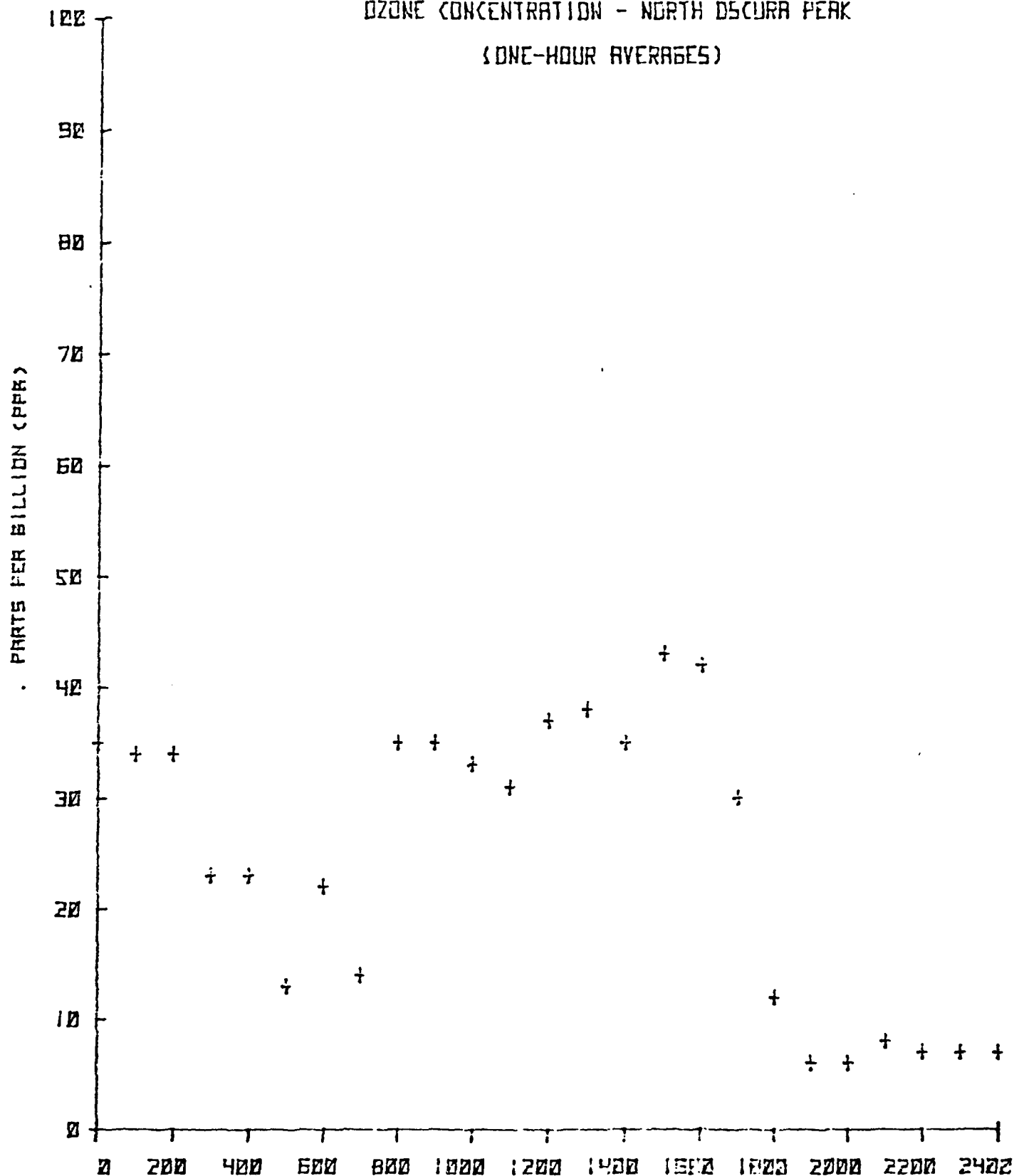
OZONE CONCENTRATION - NORTH OSCURA PEAK
(ONE-HOUR AVERAGES)



MST
23 APRIL 1980

FIGURE A-1.123

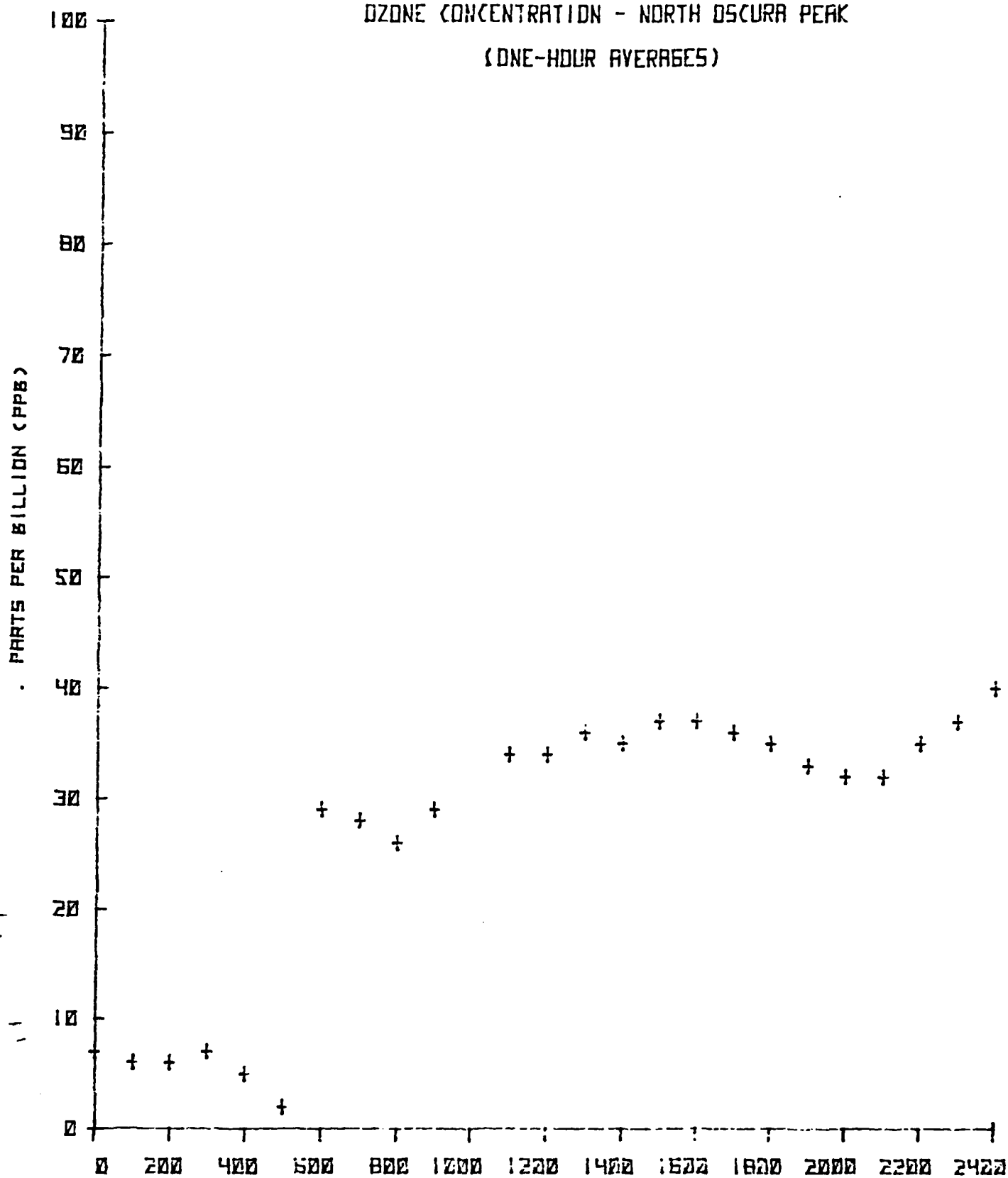
OZONE CONCENTRATION - NORTH OSCURA PEAK
(ONE-HOUR AVERAGES)



MST
24 APRIL 1980

FIGURE A-2.124

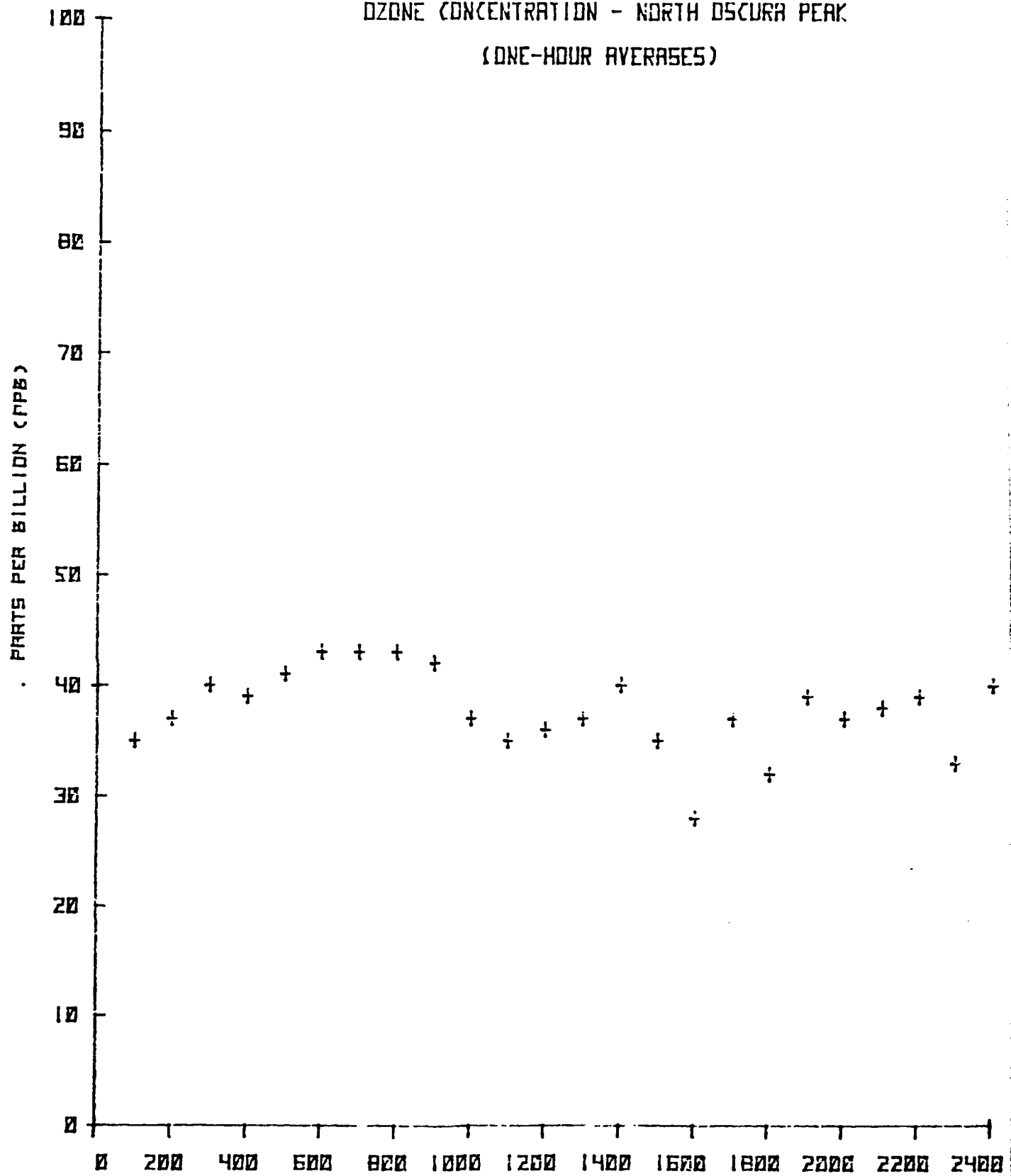
OZONE CONCENTRATION - NORTH OSCURA PEAK
(ONE-HOUR AVERAGES)



MST
25 APRIL 1980

FIGURE A-2.125

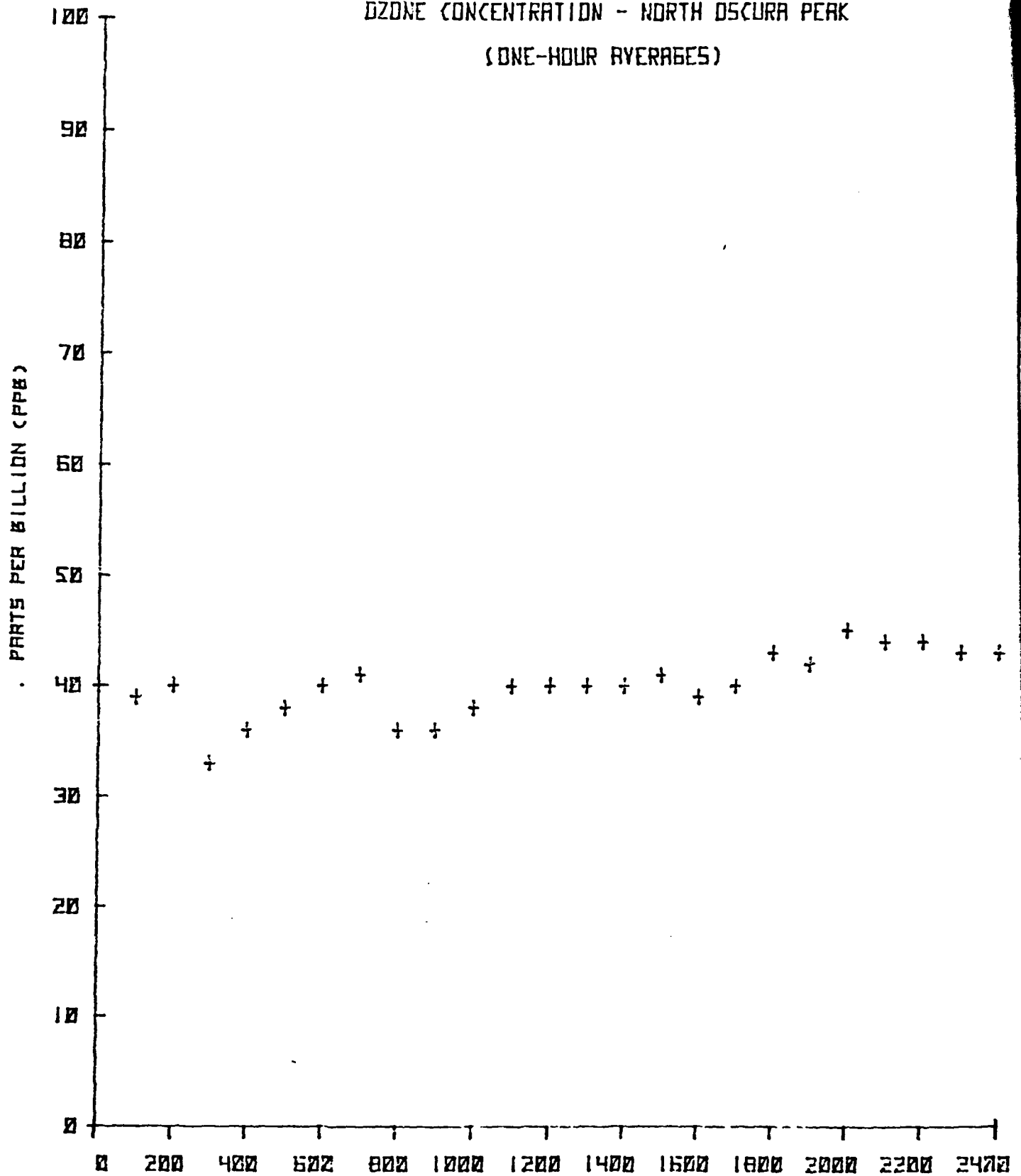
OZONE CONCENTRATION - NORTH OSCURA PEAK
(ONE-HOUR AVERAGES)



MST
26 APRIL 1980

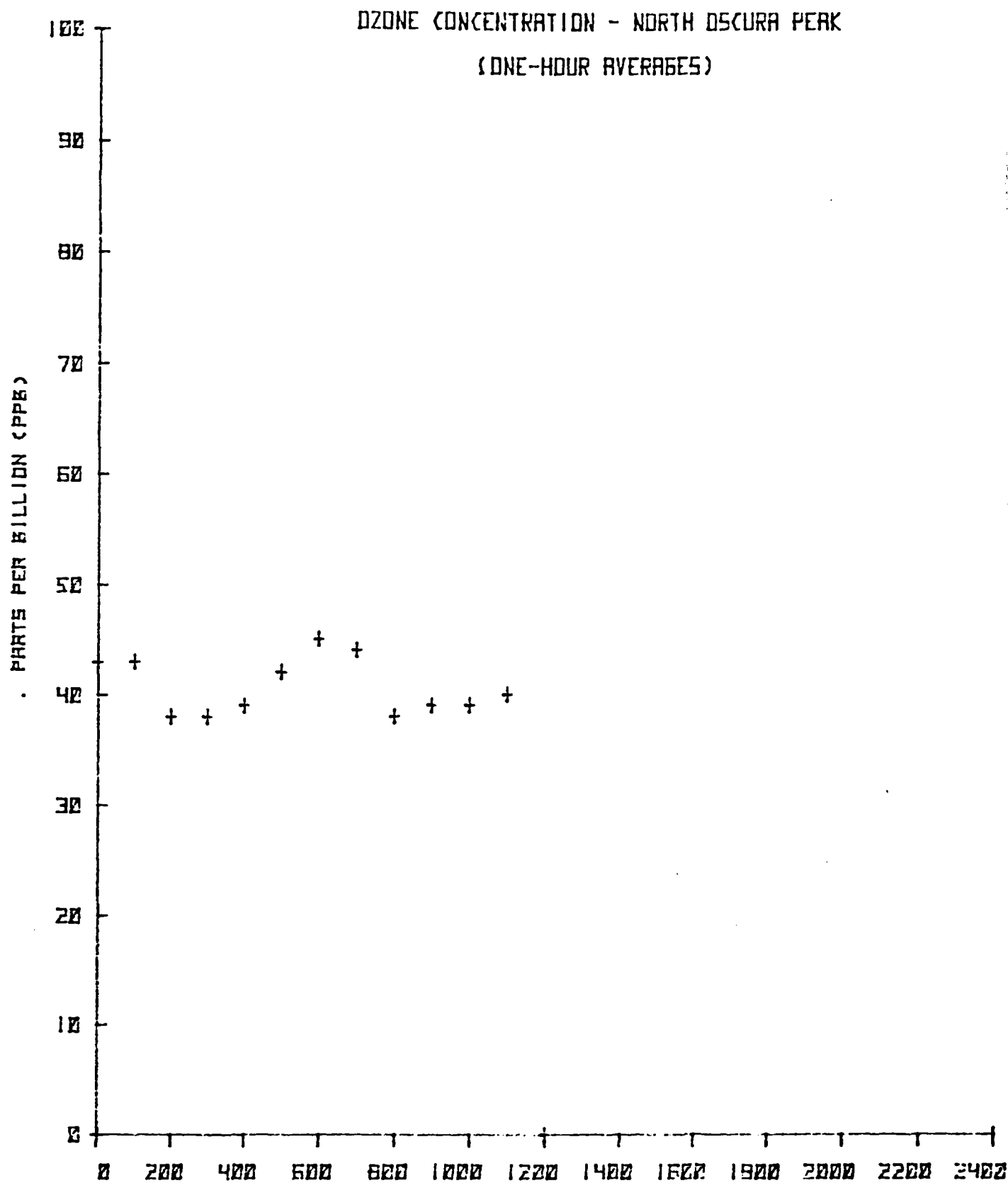
FIGURE A-2.126

OZONE CONCENTRATION - NORTH OSCURA PEAK
(ONE-HOUR AVERAGES)



MST
27 APRIL 1980

FIGURE A-2.127



MST
28 APRIL 1980
FIGURE A-2.128

