

Saguaro National Monument 1989 Gaseous Pollutant and Meteorological Monitoring Annual Data Summary

Technical Report NPS/NRAQD/NRTR-91/01



United States Department of the Interior • National Park Service



Saguaro Resource Management Library

The National Park Service, Air Quality Division, is responsible for preserving, protecting, and enhancing air quality and "air quality related values" in the National Park System by ensuring compliance with the requirements of the Clean Air Act and the National Park Service Organic Act. Air quality related values include visibility, flora, fauna, cultural and historical resources, soil, water quality, and virtually all resources that are dependent upon and affected by air quality. The Air Quality Division monitors air quality; reviews proposed major emitting sources, air quality legislative and regulatory proposals, and NPS and other federal or state air quality plans; develops data on sensitive park resources; researches acid precipitation; and develops meteorology and atmospheric dispersion modeling.

The National Park Service disseminates the results of biological, physical, and social science research and monitoring through the Natural Resources Technical Report Series. Natural resources inventories, scientific literature reviews, bibliographies, and proceedings of technical workshops and conferences are also disseminated through this series.

The purpose of this report is to present the final, validated gaseous pollutant and meteorological monitoring data collected at a unit of the National Park System. All data presented in this report have been collected using continuous monitoring methods designated by the U.S. Environmental Protection Agency (USEPA) as Reference or Equivalent Methods. Further, the data generally meet the USEPA monitoring and quality assurance requirements specified in 40 CFR Part 58, and the data have been entered into the USEPA's Aerometric Information Retrieval System (AIRS). All data contained in this report are accessible through AIRS. The ambient air quality data processing, validation and analysis was performed by AeroVironment Inc. of Lakewood, Colorado under National Park Service contract number CX-0001-9-0004, and the staff of the Monitoring and Data Analysis Branch of the Air Quality Division.

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Chief, Monitoring and Data Analysis Branch	(FTS) 327-2072
Air Quality Division	(303) 969-2072
National Park Service	
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Denver, CO 80225-0287	

or

Technical Information Center	(FTS) 327-2130
Denver Service Center	(303) 969-2130
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Denver, CO 80225-0287	



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United States Department of the Interior

NATIONAL PARK SERVICE
AIR QUALITY DIVISION
P.O. BOX 25287
DENVER, CO 80225

Patto _____
Meg _____
Bill _____

IN REPLY REFER TO:

January 9, 1992

N3615 (475)

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JAN 13 1992

SAGUARO NATIONAL MONUMENT

Memorandum

To: Chief of Science and Resource Management
Saguaro National Monument

From: Chief, Air Quality Division-Denver

Subject: 1989 and 1990 Gaseous Pollutant Data Reports

I am pleased to forward to you copies of the 1989 and 1990 Annual Gaseous Pollutant Summary Reports for Saguaro National Monument. These reports include the final validated data for the two years, as well as monthly, quarterly, and annual graphs and summary statistics. Copies of the reports have also been sent to your park's Superintendent and the Regional Air Quality Coordinator.

If you or your staff have any comments or suggested additions or changes to the report format, please send them to Miguel Flores, Chief, Monitoring and Data Analysis Branch. His phone number is (303)-969-2072 [FTS 327-2072].

John P. Christiano

Enclosures

**Saguaro National Monument
1989 Gaseous Pollutant and Meteorological Monitoring
Annual Data Summary**

Technical Report NPS/NRAQD/NRTR-91/01

December 1991

United States Department of the Interior
National Park Service
Denver, Colorado

Introduction

The National Park Service Gaseous Pollutant Monitoring Network

Gaseous air pollutants, such as ozone and sulfur dioxide, are of concern to the National Park Service (NPS). Pollutants like these can affect park biological resources as well as the health of park residents and visitors. The NPS has established a gaseous pollutant monitoring program for several pollutants linked to effects on NPS resources. This program was designed to meet certain resource management objectives.

The primary objective of this monitoring program is to establish baseline (or current) park air quality conditions to determine if a park is exceeding the National Ambient Air Quality Standards established by the Environmental Protection Agency to protect public health and welfare. In addition, such monitoring is designed to detect changes or trends in pollution levels over time. A monitoring station may also be established if there is documented biological injury due to air pollution in the park unit. Information on ambient air pollution levels is an important part of research on effects of air pollutants on NPS resources, and can help confirm suspected causes of observed effects.

Other monitoring objectives call for the collection of data to support the National Park Service's required involvement in both the development of state air quality control plans, and the evaluation of permit applications for new or expanding air pollution sources wishing to locate near park units. The Clean Air Act gives federal land managers and superintendents an affirmative responsibility to protect air quality related values in class I areas and to assess whether new sources will have an adverse impact on park resources and values. Information on air quality levels in NPS units can also be used to evaluate the performance of atmospheric models that describe how pollutants are transported into parks and predict impacts on the park caused by air pollution sources.

Figure 1 displays the locations of sites and parameters measured in the National Park Service gaseous pollutant monitoring network in 1989. During this year, thirty-nine monitoring sites in 32 units of the National Park System had some combination of ozone, sulfur dioxide, and meteorological monitoring. Monitoring methods and quality assurance procedures used in the Park Service data collection network meet the applicable 40 CFR Part 58 U.S. Environmental Protection Agency requirements. This allows for the direct comparison of NPS collected data with that collected by the EPA, and state and local air pollution control agencies. Data collected by this network is being incorporated in the EPA AIRS database which is a national database of all air quality data collected throughout the country. These data are also stored in a National Park Service data processing center that allows for easy access and analysis of the data.

Saguaro National Monument

Saguaro National Monument, a class I area, is located near Tucson in Pima County, Arizona. The Monument is in two units, some 30 miles apart. Its Tucson Mountain Unit is located immediately west of Tucson, while the Rincon Mountain Unit is located to the east of the city. Saguaro's location relative to the other gaseous pollutant monitoring sites in the National park Service network is shown in Figure 1.

Saguaro National Monument was established by Proclamation in 1933 to preserve and protect "the exceptional growth thereon of various species of cacti including the so-called giant cactus," as well as other features of historic and scientific interest. A second Proclamation added lands located in the Tucson Mountains to the Monument in 1961. In 1976, Congress passed laws that enlarged and revised the boundaries, and designated more than 70,000 acres as wilderness in order to preserve the wilderness character of portions of both units of the Monument.

Contained within its boundaries is a remarkable diversity of relatively undisturbed Sonoran Desert natural resources, plus an array of historic and prehistoric cultural remains. The Saguaro cactus is the most

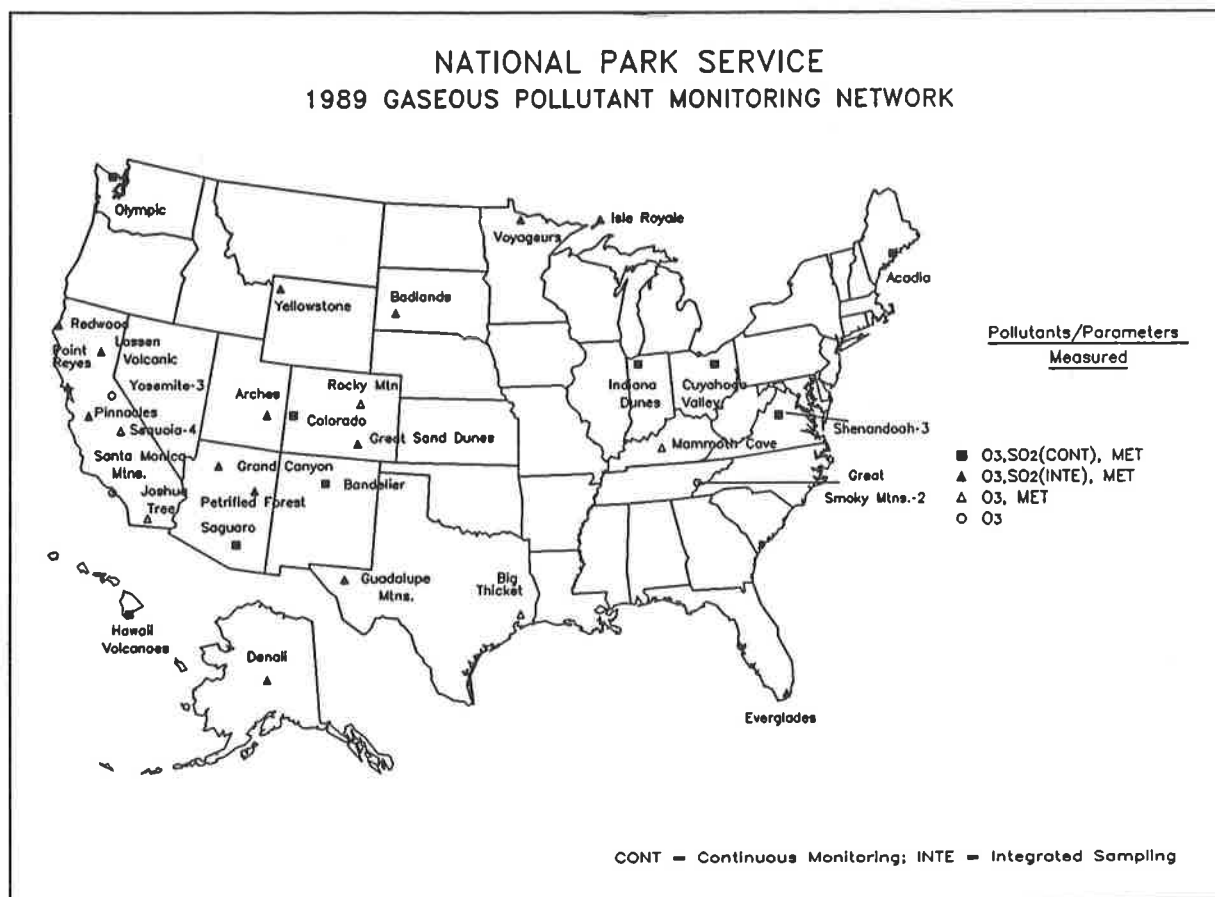


Figure 1

conspicuous botanical feature within this area. Other characteristic desert species include paloverde and mesquite trees, ocotillo shrub, teddy bear and cholla cacti. Many species of birds are seen in the Monument, such as thrasher, woodpecker, cardinal and dove. Deer, javelina and ground squirrels are often seen in daylight. Nocturnal animals such as coyotes, foxes, bobcats, skunks, and pocket mice abound.

The Rincon Mountain Unit contains plant communities ranging through a six thousand foot elevation differential that represent a complete cross-section of southern Arizona landscapes from desert lowlands through oak woodlands to pine and fir forests of the high country.

Reptiles, amphibians and invertebrates are also well represented in the Monument and include lizards, iguana, rattlesnakes, toads, frogs, scorpions and tarantulas.

Air quality and visibility in the Monument are affected by pollutants originating from the Tucson metropolitan area and the copper smelters of southern Arizona and northern Mexico.

Site Specific Information

The AIRS identification number for this site is 04-019-0021.

The latitude of the monitoring site is 32°10' 28" N and the longitude is 110°44' 11" W (UTM Zone 12: UTM-Northing = 3559610 m.: UTM-Easting = 00524840 m.). It is located in the Tucson Mountain Unit near the monument headquarters.

The site elevation is 938 m MSL.

Table 1 provides a listing of the instrumentation and ancillary equipment used in the acquisition of ambient air quality data at Saguaro National Monument.

Table 1

Pollutant, Parameter, or Equipment	Manufacturer	Model No.
Ozone	Dasibi	1003-PC
Sulfur Dioxide	Monitor Labs	8850
Calibrator	Dasibi	1009-CP
SO ₂ Calibration Gas (EPA Protocol)	Scott-Marrin	50 ppm in Nitrogen
Wind Speed	Climatronics	100075
Wind Direction	Climatronics	100076
Solar Radiation	Li-Cor	Pyranometer
Dew Point	Climatronics	100880
Temperature (3 m AGL)	Climatronics	100093-2
Aspirator, Motor-driven --for Temperature & Dew Point	Climatronics	TS-10 WA
Precipitation	Climatronics	100508-1
Data Acquisition System	SumX Corp.	SX-445

Report Contents

This report contains data summaries organized into three major sections: Annual, Calendar Quarter, and Month. This report contains the following figures and tables.

Annual Data Summaries Section:

- Data Recovery Percentages
- Ozone "Quick Look" Annual Summary Statistics Report
- Ozone Data Summary - 24 month
- NAAQS Ozone Exceedances or Highest 10 Values
- Ozone EPA AIRS Yearly Frequency Distribution Report
- Ozone Pollutant Rose and Joint Frequency Distributions
- Sulfur Dioxide Data Summary - 24 month
- Highest 10 Sulfur Dioxide Values
- Sulfur Dioxide EPA AIRS Yearly Frequency Distribution Report
- Sulfur Dioxide Pollutant Rose and Joint Frequency Distributions
- Precision Check Data Summary
- Annual Wind Rose With Joint Frequency Distributions

Calendar Quarter Data Summaries Section

- Data Recovery Percentages
- NAAQS Ozone Exceedances or Highest 10 Values
- Hourly Ozone Data Plot
- Diurnal Ozone Plot
- Ozone Pollutant Rose and Joint Frequency Distributions
- Highest 10 Sulfur Dioxide Values
- Hourly Sulfur Dioxide Plot
- Diurnal Sulfur Dioxide Plot
- Sulfur Dioxide Pollutant Rose and Joint Frequency Distributions
- Wind Rose With Joint Frequency Distributions
- Hourly Scalar Wind Speed Data Plot
- Hourly Ambient Temperature Data Plot
- Hourly Dew Point Temperature Data Plot
- Hourly Relative Humidity Data Plot

Monthly Data Summaries Section

- Missing Data Codes and Monthly Data Summary Sheet Descriptions
- Monthly Reports (Hourly Averages for January - December)
 - Ozone
 - Sulfur Dioxide
 - Scalar Wind Speed
 - Resultant Wind Speed
 - Resultant Wind Direction
 - Ambient Temperature
 - Dew Point Temperature
 - Relative Humidity
 - Solar Radiation
 - Rainfall

ANNUAL DATA SUMMARIES SECTION

Recovery Percentages for JAN - DEC 89

Saguaro National Monument

Sulfur Dioxide :	90.4 %
Ozone :	91.7 %
Scalar Wind Speed :	96.7 %
Resultant Wind Speed :	96.7 %
Resultant Wind Direction :	96.7 %
Temperature :	96.7 %
Dew Point Temperature :	96.7 %
Solar Radiation :	96.7 %
Precipitation :	98.3 %
Station Temperature :	98.4 %

[Run Date: 21-NOV-91]

DEFINITIONS AND COMPUTATIONAL PROCEDURES
FOR THE NATIONAL PARK SERVICE
QUICK LOOK SUMMARY STATISTICS REPORT

Quick Look Annual Summary Statistics Report

Description: This report provides ozone summary statistics for various indices computed on a monthly basis for an entire year. Annual statistics are also presented under the "ANNUAL" column. All concentrations are in parts per billion (PPB). The definitions for each of the statistics appearing on the Quick Look Report are given below.

- (1) **Daily 1-Hr Maximum.** The maximum 1-hour average concentration recorded during each month (and for the year, under the "ANNUAL" column) regardless of the number of valid hourly observations recorded during a given day. The number in parentheses (N) indicates the number of days in the month (and year) with valid data.
- (2) **Average Daily Maximum.** The average of all Daily 1-Hr Maxima during the month regardless of the number of Daily 1-Hr Maxima recorded during the month. For the "ANNUAL" column the average of all the Daily Maxima is given. N is as in (1) above.
- (3) **Maximum Daily Mean.** The maximum of the valid daily means computed for each month and for the year ("ANNUAL" column). A valid daily mean is one for which 75% of the observations are available for each day, i.e., 18 hours. N is the number of days with at least 18 observations.
- (4) **Average Daily Mean.** The average of all valid daily means for the month and for the year ("ANNUAL" column). N is as in (3) above.
- (5) **Max Peak: Min Ratio.** The ratio of the Daily 1-Hr Maximum to the Daily 1-Hr Minimum. A ratio is computed only if a valid Daily Mean is computed, hence N is the number of days with a valid Daily Mean.
- (6) **Average Peak: Min Ratio.** The average of all Peak: Min ratios for the month/year. N is as in (5) above.
- (7) **Max 9AM-4PM Average.** The maximum of all valid 9AM-4PM Averages computed for the month/year. A valid 9AM-4PM Average is one which has 75% of the observations available during that time period, i.e., 6 hours. N is the number of days with valid averages.
- (8) **Monthly 9AM-4PM Average.** The average of all valid 9AM-4PM Averages for the month/year. N is as in (7) above.
- (9) **Max 7AM-7PM Average.** The maximum of all valid 7AM-7PM Averages computed for the month/year. A valid 7AM-7PM Average is one which has 75% of the observations available during that time period, i.e., 9 hours. N is the number of days with valid averages.

- (10) **Monthly 7AM-7PM Average.** The average of all valid 7AM-7PM averages for the month/year. N is as in (9) above.
- (11) **Monthly Mean.** The average of all 1-Hr Averages recorded during the month/year. A mean is computed regardless of the number of hours with data. N is the number of hours with valid observations.
- (12) **Cumulative Dose $\geq$ T PPB.** The monthly sum of all hourly observations equalling or exceeding the indicated threshold (T) but subtracting the threshold from each observation. Units are PPB-HOUR. N is the number of hours exceeding the indicated threshold. The "ANNUAL" column sums across month to give the cumulative dose for the year.

NOTE: The USEPA usually considers air quality statistics, such as a mean, to be "valid" (i.e., representative, or an unbiased estimator, of the statistic being calculated for the time interval in question) only if 75% or more of the the total possible observations have been measured during that time interval. Therefore, one should exercise caution when comparing these statistics between months and sites, particularly those that are not averages (e.g., maxima and doses).

NATIONAL PARK SERVICE
AIR QUALITY DIVISION
QUICK LOOK ANNUAL SUMMARY STATISTICS REPORT

SAGUARO NATIONAL MONUMENT
AIRS # = 04-019-0021

16:16 Tuesday, December 10, 1991 1

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
DAILY 1-HR MAXIMUM NO. OF DAYS	46 (31)	69 (28)	83 (31)	81 (30)	81 (31)	87 (30)	93 (31)	99 (31)	72 (30)	65 (31)	61 (30)	53 (31)	99 (365)
AVERAGE DAILY MAXIMUM NO. OF DAYS	36 (31)	42 (28)	57 (31)	62 (30)	63 (31)	65 (30)	71 (31)	60 (31)	55 (30)	50 (31)	50 (30)	46 (31)	55 (365)
MAXIMUM DAILY MEAN NO. OF DAYS	36 (30)	45 (22)	53 (31)	60 (29)	59 (30)	58 (28)	58 (29)	52 (31)	53 (30)	51 (28)	47 (30)	42 (28)	60 (346)
AVERAGE DAILY MEAN NO. OF DAYS	25 (30)	31 (22)	42 (31)	47 (29)	47 (30)	48 (28)	51 (29)	40 (31)	42 (30)	40 (28)	38 (30)	36 (28)	41 (346)
MAX PEAK:MIN RATIO NO. OF DAYS	39,000 (26)	6,600 (21)	4,400 (31)	3,800 (29)	7,000 (30)	3,526 (28)	3,150 (29)	4,950 (31)	3,130 (30)	2,542 (28)	7,833 (30)	10,250 (28)	39,000 (341)
AVERAGE PEAK:MIN RATIO NO. OF DAYS	4,510 (26)	2,352 (21)	2,183 (31)	2,110 (29)	2,284 (30)	2,179 (28)	2,121 (29)	2,412 (31)	1,981 (30)	1,824 (28)	2,282 (30)	2,563 (28)	2,381 (341)
MAX 9AM-4PM AVERAGE NO. OF DAYS	40 (29)	53 (23)	63 (30)	71 (27)	66 (27)	70 (25)	74 (30)	71 (29)	60 (29)	57 (28)	52 (29)	50 (29)	74 (335)
MONTHLY 9AM-4PM AVERAGE NO. OF DAYS	32 (29)	37 (23)	48 (30)	55 (27)	55 (27)	57 (25)	61 (30)	49 (29)	48 (29)	46 (28)	44 (29)	42 (29)	48 (335)
MAX 7AM-7PM AVERAGE NO. OF DAYS	37 (29)	51 (23)	59 (30)	67 (29)	65 (28)	65 (28)	69 (30)	61 (31)	57 (30)	54 (28)	51 (30)	45 (28)	69 (344)
MONTHLY 7AM-7PM AVERAGE NO. OF DAYS	29 (29)	35 (23)	46 (30)	52 (29)	53 (28)	55 (28)	58 (30)	46 (31)	46 (30)	44 (28)	42 (30)	39 (28)	46 (344)
MONTHLY MEAN NO. OF HOURS	25 (698)	31 (591)	42 (701)	47 (670)	47 (686)	48 (638)	51 (667)	40 (678)	42 (682)	40 (673)	38 (681)	35 (672)	41 (8037)
CUMULATIVE DOSE>=60 PPB NO. OF HOURS>=60 PPB	0 (0)	10 (3)	241 (39)	555 (83)	435 (93)	570 (104)	1225 (163)	416 (40)	169 (36)	30 (15)	2 (4)	0 (0)	3653 (580)
CUMULATIVE DOSE>=80 PPB NO. OF HOURS>=80 PPB	0 (0)	0 (0)	3 (1)	1 (1)	1 (1)	7 (2)	39 (10)	44 (5)	0 (0)	0 (0)	0 (0)	0 (0)	95 (20)
CUMULATIVE DOSE>=100 PPB NO. OF HOURS>=100 PPB	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
CUMULATIVE DOSE>=120 PPB NO. OF HOURS>=120 PPB	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

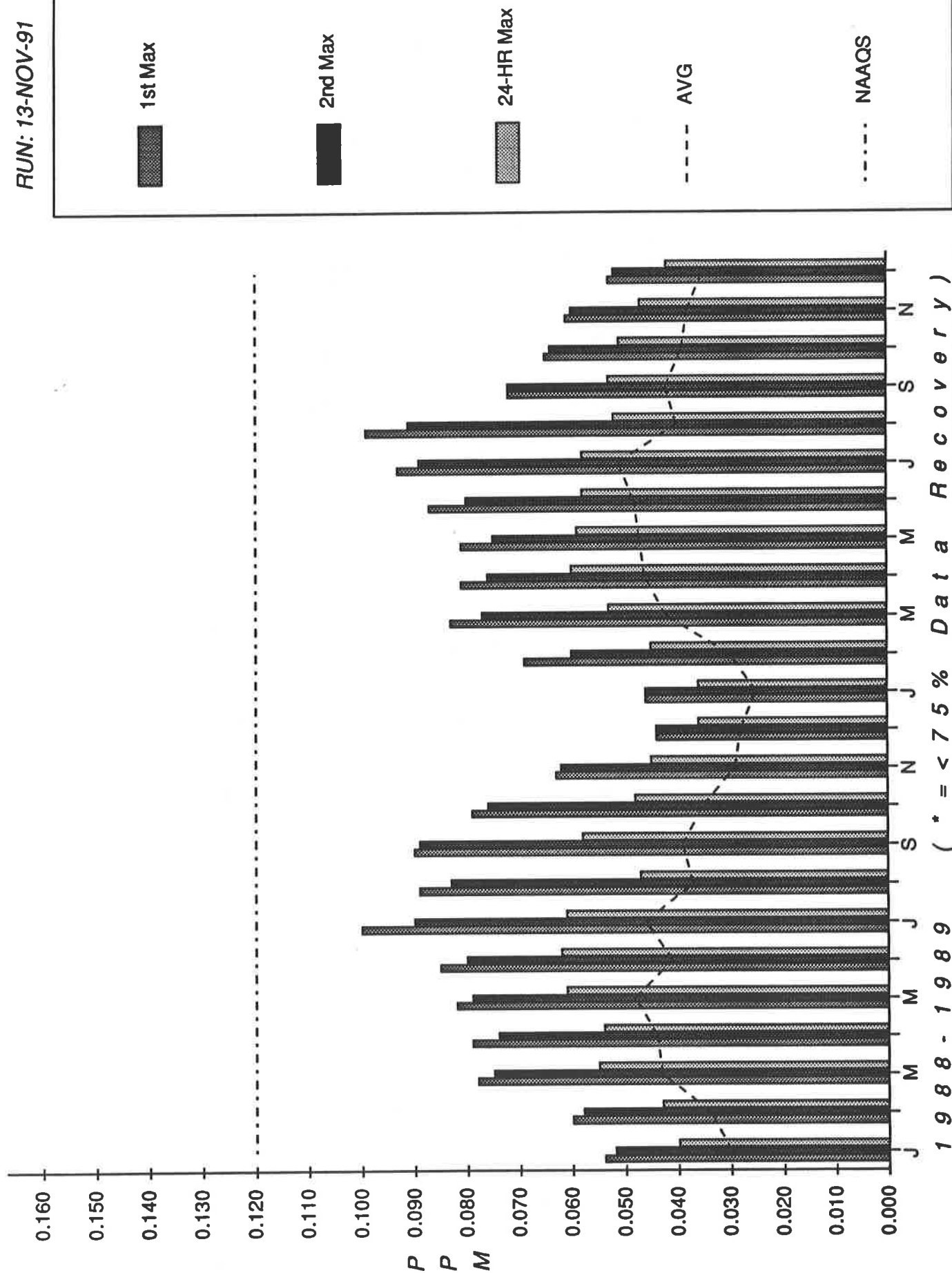
* PARK: SAGU *
* POLLUTANT: OZONE *
* YEAR: 1989 *
* NPS SITE #: 031 *

* MONITORING & DATA ANALYSIS BRANCH *
* OSSTATS: 16-OCT-90 VERSION *
* DS=F.SAS.SAGUJ.SAGU89 *

Ozone Data Summary

Saguaro National Monument

RUN: 13-NOV-91



NAAQS Ozone exceedances or highest 10 values

Saguaro National Monument

JAN - DEC 89

Date	Hour	Ozone (ppm)
11-AUG-89	13	.099
18-JUL-89	14	.093
16-AUG-89	13	.091
22-JUL-89	15	.089
10-AUG-89	13	.088
28-JUN-89	13	.087
28-JUL-89	15	.086
09-MAR-89	14	.083
31-JUL-89	15	.083
14-APR-89	15	.081

| "The level of the national primary and secondary |
| ambient air quality standards for ozone measured |
| by a reference method based on Appendix D to this |
| part and designated in accordance with part 53 of |
| this chapter, is 0.12 part per million (235 ug/m3) |
| The standard is attained when the expected number |
| of days per calendar year with maximum hourly |
| average concentrations above 0.12 part per million |
| (235 ug/m3) is equal to or less than 1, as |
determined by Appendix H." [40 CFR 50.9]

[Run Date: 21-NOV-91]

EPA AEROMETRIC INFORMATION RETRIEVAL SYSTEM (AIRS)
AIR QUALITY SUBSYSTEM
YEARLY FREQUENCY DISTRIBUTION

STATE (04): ARIZONA

SITE-ID: 04-019-0021
COUNTY (019): PIMA CO
CITY (02105): SAGUARO NATIONAL MONUMENT
SITE ADDRESS: S OLD SPANISH TRAIL, SAGUARO EAST
SUPPORT AGENCY (815): NATIONAL PARK SERVICE
SITE COMMENTS: IN SAGUARO EAST-SOUTH OF HQ AT ESCALANTE RD

AQCR (015): PHOENIX-TUCSON
URBAN AREA (0000): NOT IN AN URBAN AREA
LAND USE (6): DESERT
LOCATION-SETTING (3): RURAL

LATITUDE: 32:10:28 N
LONGITUDE: 110:44:11 W
UTM ZONE: 12
UTM-NORTHING: 3559610
UTM-EASTING: 00524840
ELEVATION-MSL: 00938 M

POLLUTANT NAME				MON-TPE				REPT-ORG				METHOD OF COLLECTION AND ANALYSIS				INTERVAL				STANDARD UNITS			
POLL/METH/INT/UNTS/POC				#EXCURS				MIN				PERCENTILES				MAX				ARIT			
EXC PCT NBR				PRI				SEC				OBS				OBS				MEAN			
YR EVT OBS				OBS				OBS				OBS				OBS				OBS			

OZONE
44201-014-1-007-1
89 95 8037 0 0 .005 .025 .038 .048 .054 .063 .074 .079 .089 .099 .093 .0552 .0535 1.29

NAAQS Sulfur Dioxide exceedances or highest 10 values

Saguaro National Monument

JAN - DEC 89

Date	Hour	SO2 (ppm)
10-JUN-89	10	.016
17-NOV-89	21	.015
13-DEC-89	17	.015
26-DEC-89	18	.015
03-NOV-89	21	.014
01-DEC-89	18	.014
12-DEC-89	23	.014
14-DEC-89	0	.013
27-OCT-89	9	.012
04-NOV-89	0	.012

"The national primary ambient air quality standards for sulfur oxides measured as sulfur dioxide by the reference method described in Appendix A to this part, or by an equivalent method, are:

- (a) 80 micrograms per cubic meter (0.03 p.p.m.) - annual arithmetic mean.
- (b) 365 micrograms per cubic meter (0.14 p.p.m.) - Maximum 24-hour concentration not to be exceeded more than once a year." [40 CFR 50.4]

"The national secondary ambient air quality standard for sulfur oxide measured as sulfur dioxide by the reference method described in Appendix A to this part, or by any equivalent method is 1,300 micrograms per cubic meter (0.5 p.p.m.) maximum 3-hour concentration not to be exceeded more than once a year." [40 CFR 50.5]

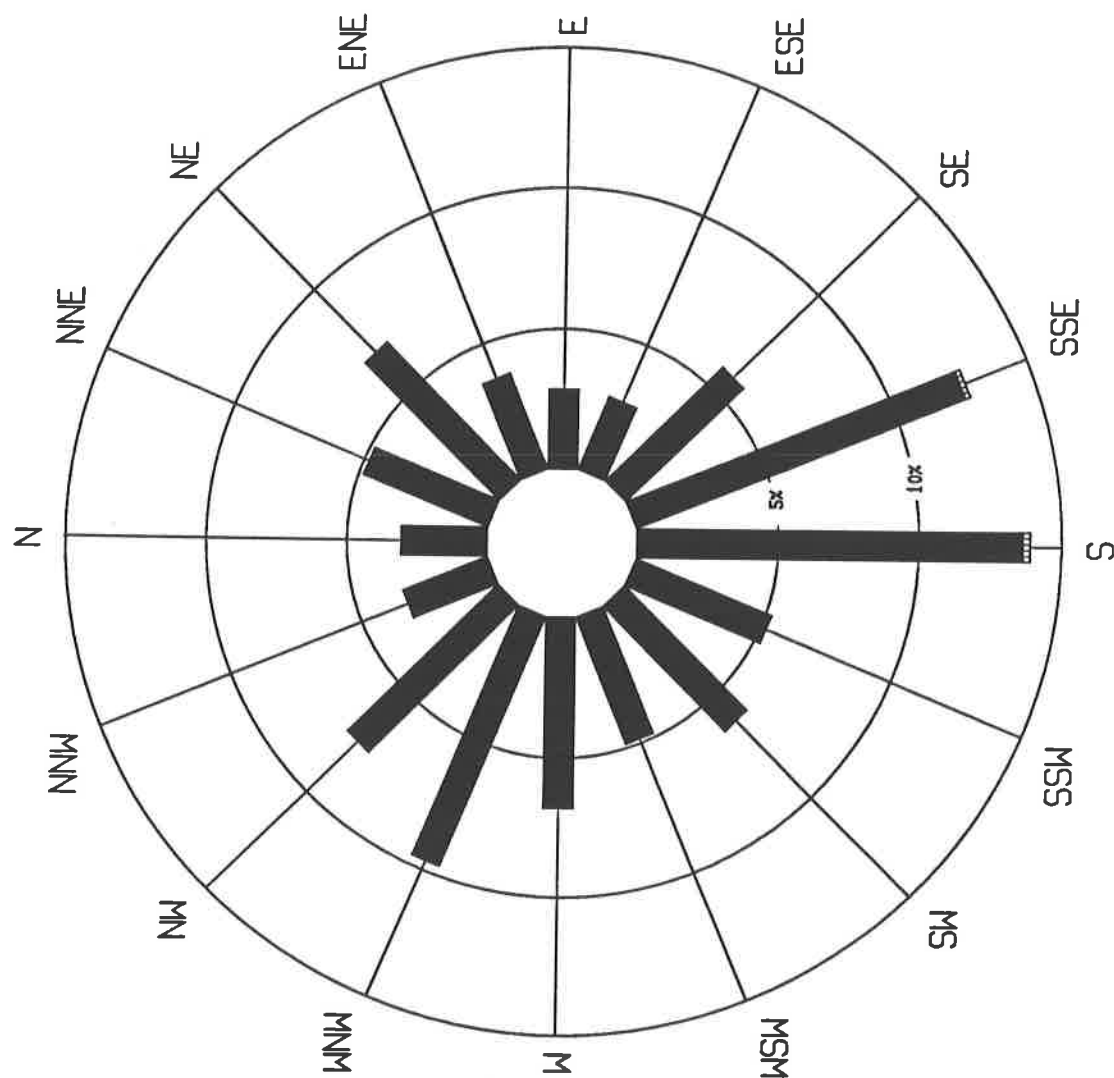
[Run Date: 21-NOV-91]

STATE (04): ARIZONA

SITE-ID: 04-019-0021
COUNTY (015): PIMA CO
CITY (62109): SAGUARO NATIONAL MONUMENT
SITE ADDRESS: S OLD SPANISH TRAIL, SAGUARO EAST
SUPPORT AGENCY (815): NATIONAL PARK SERVICE
SITE COMMENTS: IN SAGUARO EAST-SOUTH OF HQ AT ESCALANTE RD
AQCR (015): PHOENIX-TUCSON
URBAN AREA (0000): NOT IN AN URBAN AREA
LAND USE (6): DESERT
LOCATION-SETTING (3): RURAL
LATITUDE: 32:10:28 N
LONGITUDE: 110:44:11 W
UTM ZONE: 12
UTM-NORTHING: 3559610
UTM-EASTING: 00524840
ELEVATION-MSL: 00938 M

POLLUTANT NAME			NON-TYPE	METHOD OF COLLECTION AND ANALYSIS										INTERVAL		STANDARD UNITS				
POLL/METH/INT/UNITS/POC				REPT-ORG	PERCENTILES				MAX		2ND		ARIT		GEOM					
EXC PCT	NBR	#EXCURS	MIN	MIN	50	70	90	95	99	OBS	MAX	MAX	MEAN	MEAN	STD D					
YR	EVT	OBS	PRI	SEC	DET	OBS	10	30	50	70	90	95	99	OBS	MAX	MEAN	STD D			
SULFUR DIOXIDE			3	815	INSTRUMENTAL				PULSED FLUORESCENT				24-HR BLK AV UG/CU METER (25 C)							
42401-020-X-001-1			340	0	0	5	3	3	3	8	14	16	19	21	20					
SULFUR DIOXIDE			3	815	INSTRUMENTAL				PULSED FLUORESCENT				3-HR BLK AVG UG/CU METER (25 C)							
42401-020-Y-001-1			2423	0	0	5	3	3	3	8	14	17	24	38	37					
SULFUR DIOXIDE			3	815	INSTRUMENTAL				PULSED FLUORESCENT				1 HOUR				UG/CU METER (25 C)			
42401-020-1-001-1			89	91	7944	0	0	5	3	3	8	16	16	26	42	39	6.3	2.11		

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/JAN/89 - 31/DEC/89



 *
 * FINAL DATA *
 * AS OF 13/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF SULFUR DIOXIDE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JAN-89 to 31-DEC-89

[Number of Occurrences]

RESULTANT DIRECTION [61104] (DEGREES, COMPASS)	SULFUR DIOXIDE [42401] (PARTS PER MILLION)								TOTAL	AVG SO2
	0.000-0.	0.010-0.	0.020-0.	0.030-0.	0.040-0.	0.050-0.	0.060-0.	>=0.070		
N	235	3	0	0	0	0	0	0	238	0.002
NNE	369	4	0	0	0	0	0	0	373	0.002
NE	521	7	0	0	0	0	0	0	528	0.002
ENE	276	7	0	0	0	0	0	0	283	0.002
E	216	4	0	0	0	0	0	0	220	0.002
ESE	214	4	0	0	0	0	0	0	213	0.002
SE	446	1	0	0	0	0	0	0	447	0.002
SSE	963	14	0	0	0	0	0	0	977	0.002
S	1050	19	0	0	0	0	0	0	1069	0.002
SSW	397	5	0	0	0	0	0	0	402	0.002
SW	476	1	0	0	0	0	0	0	477	0.001
WSW	371	3	0	0	0	0	0	0	374	0.001
W	516	6	0	0	0	0	0	0	522	0.001
WNW	740	3	0	0	0	0	0	0	743	0.001
NW	573	2	0	0	0	0	0	0	575	0.001
NNW	247	3	0	0	0	0	0	0	250	0.002
TOTAL	7610	36	0	0	0	0	0	0	7696	0.002

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 * FINAL DATA *
 * AS OF 13/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF SULFUR DIOXIDE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JAN-89 to 31-DEC-89

[Percentage of Occurrences]

RESULTANT DIRECTION [61104]
 (DEGREES, COMPASS)

SULFUR DIOXIDE [42401]
 (PARTS PER MILLION)

	0.000-0.	0.010-0.	0.020-0.	0.030-0.	0.040-0.	0.050-0.	0.060-0.	>=0.070	TOTAL
N									
NNE	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
NE	4.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.3
ENE	6.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	6.9
E	3.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3.7
ESE	2.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.9
SE	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
SSE	12.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	12.7
S	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9
SSW	5.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	5.2
SW	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
WSW	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9
W	6.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	6.3
WNW	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7
NW	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
NNW	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
TOTAL	98.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0

[Program: EDMS_FREQDIST

Version: LC: 03-JAN-90]

1989 PRECISION CHECK DATA SUMMARY

SAGUARO NATIONAL MONUMENT

Precision checks are required by the Environmental Protection Agency (EPA) of all monitoring instruments collecting data which are to be submitted to the EPA Aerometric Information Retrieval System (AIRS) data base. A precision check is performed by challenging the pollutant analyzer with a known concentration of gas (between 0.08 and 0.10 ppm for ozone and sulfur dioxide) from the pollutant transfer standard. This precision check must be performed every 14 days of monitoring operation. The percent difference between the analyzer and the transfer standard is then calculated. The tables below give the quarterly number of precision checks, the average percent differences, and the upper and lower 95% probability limits for precision checks.

Ozone

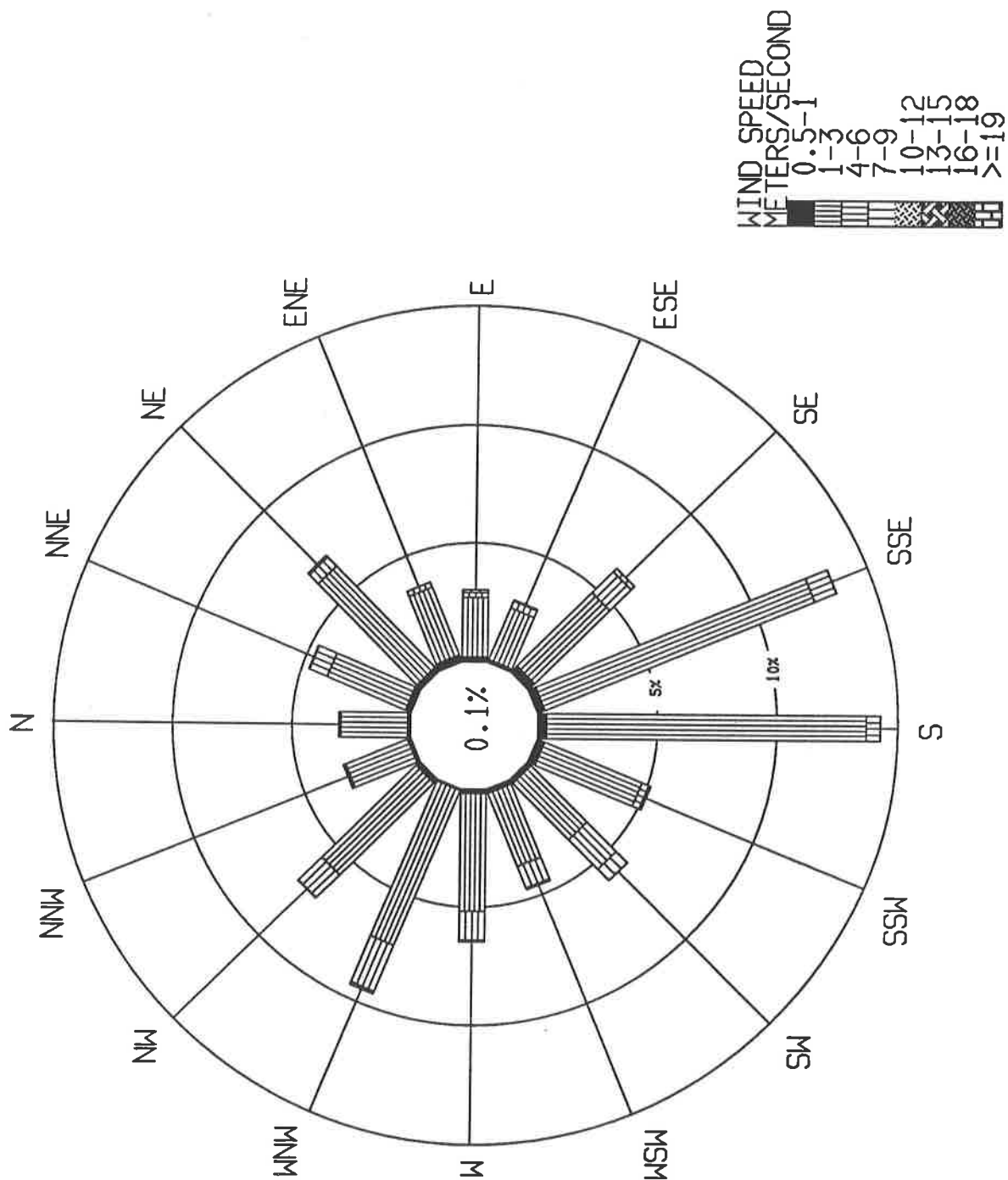
Calendar Quarter	Number of Precision Checks	Average Percent Difference ¹	Lower 95% Probability Limit	Upper 95% Probability Limit
1	6	-8.72	-18.69	+1.25
2	7	-4.05	-6.87	-1.23
3	4	-2.25	-2.28	-2.23
4	8	-0.10	-6.56	+6.37

Sulfur Dioxide

Calendar Quarter	Number of Precision Checks	Average Percent Difference ¹	Lower 95% Probability Limit	Upper 95% Probability Limit
1	7	-13.07	-19.29	-6.85
2	7	-9.13	-15.79	-2.47
3	6	-4.44	-11.33	+2.44
4	7	-2.22	-12.20	+7.76

$$^1\text{Average Percent Difference} = \frac{\text{analyzer ppm} - \text{transfer std ppm}}{\text{transfer std ppm}} \times 100$$

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/JAN/89 - 31/DEC/89



 *
 * FINAL DATA *
 * AS OF 13/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JAN-89 to 31-DEC-89

[Number of Occurrences]

RESULTANT DIRECTION (DEGREES, COMPASS)	< 0.5	0.5-1	1-3	4-6	7-9	10-12	13-15	16-18	>=19	TOTAL	AVG WS
N	0	12	240	6	1	0	0	0	0	259	2.0
NNE	0	22	305	63	3	0	0	0	0	398	2.6
NE	1	20	505	45	7	1	0	0	0	579	2.3
ENE	0	23	260	19	1	0	0	0	0	308	1.9
E	1	19	212	17	11	0	0	0	0	260	2.2
ESE	0	11	200	25	5	0	0	0	0	242	2.3
SE	0	32	370	106	16	0	0	0	0	524	2.3
SSE	0	29	1027	81	1	0	0	0	0	1138	2.5
S	1	32	1123	49	2	0	0	0	0	1212	2.4
SSW	0	29	374	26	3	0	0	0	0	437	2.3
SW	0	13	292	148	53	3	0	0	0	504	3.7
WSW	0	17	291	84	7	0	0	0	0	389	3.0
W	1	16	424	105	6	0	0	0	0	552	3.0
WNW	0	6	606	179	9	0	0	0	0	800	3.2
NW	0	20	470	116	3	0	0	0	0	609	2.9
NNW	0	13	239	8	0	1	0	0	0	261	2.1
TOTAL	4	324	6923	1033	133	5	0	0	0	3472	2.6

 *
 * FINAL DATA *
 * AS OF 13/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JAN-89 to 31-DEC-89

[Percentage of Occurrences]

RESULTANT DIRECTION [61104] (DEGREES, COMPASS)		WIND SPEED [61101] (METERS/SECOND)								TOTAL
		< 0.5	0.5-1	1-3	4-6	7-9	10-12	13-15	16-18	>=19
N		0.0	0.1	2.3	0.1	0.0	0.0	0.0	0.0	0.0
NNE		0.0	0.3	3.6	0.3	0.0	0.0	0.0	0.0	0.0
NE		0.0	0.2	6.0	0.5	0.1	0.0	0.0	0.0	0.0
ENE		0.0	0.3	3.1	0.2	0.0	0.0	0.0	0.0	0.0
E		0.0	0.2	2.5	0.2	0.1	0.0	0.0	0.0	0.0
ESE		0.0	0.1	2.4	0.3	0.1	0.0	0.0	0.0	0.0
SE		0.0	0.4	4.4	1.3	0.2	0.0	0.0	0.0	0.0
SSE		0.0	0.3	12.1	1.0	0.0	0.0	0.0	0.0	0.0
S		0.0	0.4	13.3	0.6	0.0	0.0	0.0	0.0	0.0
SSW		0.0	0.3	4.4	0.3	0.1	0.0	0.0	0.0	0.0
SW		0.0	0.2	3.3	1.7	0.6	0.0	0.0	0.0	0.0
WSW		0.0	0.2	3.3	1.0	0.1	0.0	0.0	0.0	0.0
W		0.0	0.2	5.0	1.2	0.1	0.0	0.0	0.0	0.0
WNW		0.0	0.1	7.2	2.1	0.1	0.0	0.0	0.0	0.0
NW		0.0	0.2	5.5	1.4	0.0	0.0	0.0	0.0	0.0
NNW		0.0	0.2	2.3	0.1	0.0	0.0	0.0	0.0	0.0
TOTAL		0.0	3.3	81.7	12.3	1.6	0.1	0.0	0.0	0.0
										100.0

1ST QUARTER DATA SUMMARIES SECTION

Recovery Percentages for JAN - MAR 89

Saguaro National Monument

Sulfur Dioxide :	92.1 %
Ozone :	92.1 %
Scalar Wind Speed :	98.9 %
Resultant Wind Speed :	98.9 %
Resultant Wind Direction :	98.9 %
Temperature :	98.9 %
Dew Point Temperature :	98.9 %
Solar Radiation :	98.9 %
Precipitation :	99.7 %
Station Temperature :	99.8 %

[Run Date: 12-NOV-91]

NAAQS Ozone exceedances or highest 10 values

Saguaro National Monument

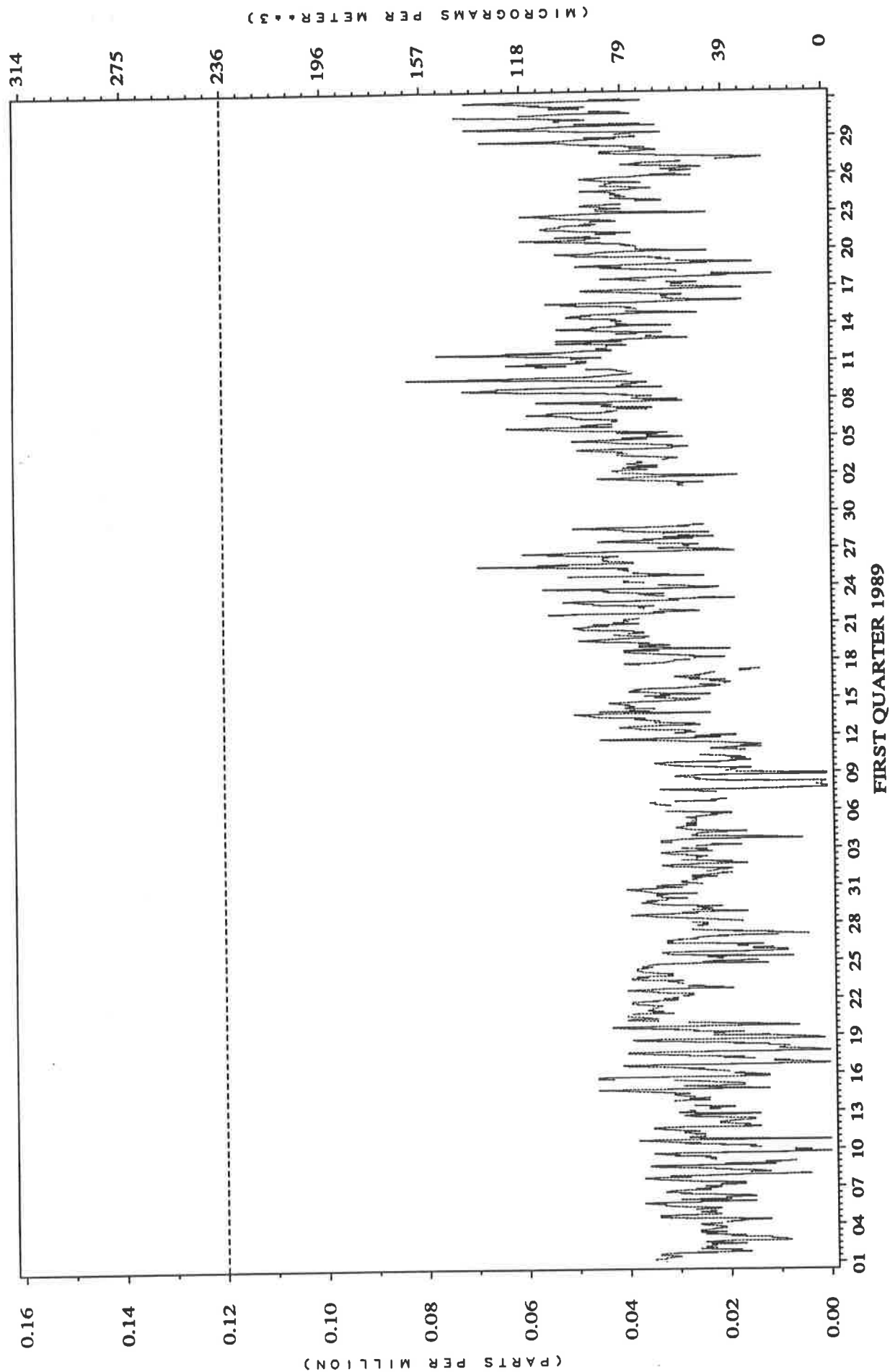
JAN - MAR 1989

Date	Hour	Ozone (ppm)
09-MAR-89	14	.083
11-MAR-89	13	.077
30-MAR-89	14	.073
08-MAR-89	16	.072
29-MAR-89	14	.071
31-MAR-89	16	.071
25-FEB-89	13	.069
28-MAR-89	13	.068
05-MAR-89	16	.063
10-MAR-89	17	.063

"The level of the national primary and secondary ambient air quality standards for ozone measured by a reference method based on Appendix D to this part and designated in accordance with part 53 of this chapter, is 0.12 part per million (235 ug/m3). The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 part per million (235 ug/m3) is equal to or less than 1, as determined by Appendix H." [40 CFR 50.9]

[Run Date: 12-NOV-91]

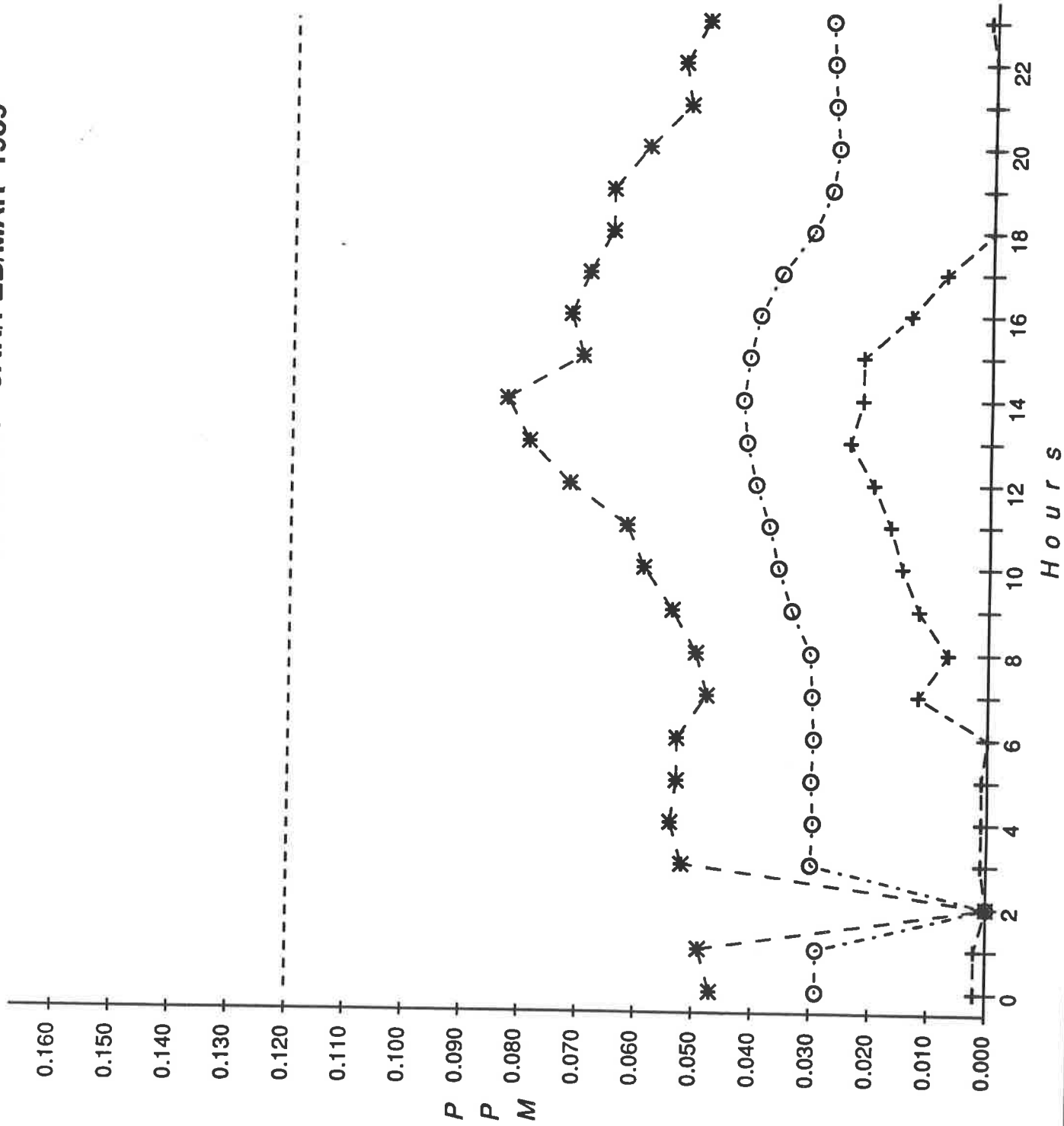
HOURLY DATA - OZONE SAGUARO NATIONAL MONUMENT JAN TO MAR 1989



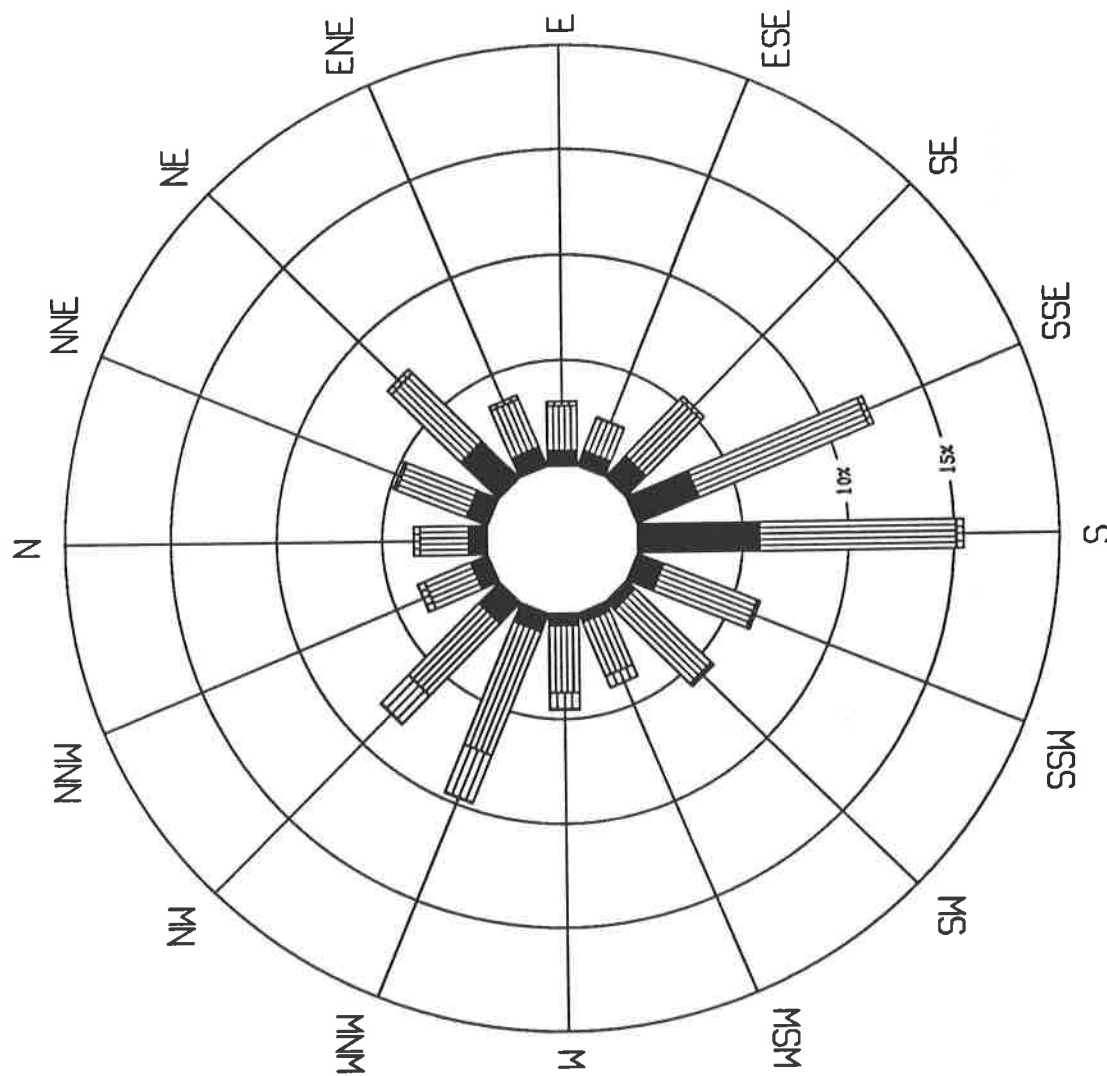
Diurnal Ozone Plot

SAGUARO NATIONAL MONUMENT - JAN/FEB/MAR 1989

Run: 13-NOV-91



NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/JAN/89 - 31/MAR/89



OZONE
 PARTS PER MILLION

0.000-0.024
0.025-0.049
0.050-0.074
0.075-0.099
0.100-0.124
0.125-0.149
0.150-0.174
>=0.175

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 * FINAL DATA *
 * AS OF 21/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF OZONE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JAN-89 to 31-MAR-89

[Number of Occurrences]

RESULTANT DIRECTION [61104]
 (DEGREES, COMPASS)

OZONE [44201]
 (PARTS PER MILLION)

	0.000-0.	0.025-0.	0.050-0.	0.075-0.	0.100-0.	0.125-0.	0.150-0.	>=0.175	TOTAL	AVG O3
N	18	46	6	0	0	0	0	0	70	0.031
NNE	22	71	3	0	0	0	0	0	96	0.031
NE	50	92	5	0	0	0	0	0	147	0.029
ENE	20	49	4	0	0	0	0	0	73	0.031
E	15	42	4	0	0	0	0	0	61	0.031
ESE	16	33	1	0	0	0	0	0	50	0.031
SE	28	74	4	0	0	0	0	0	106	0.031
SSE	64	173	5	0	0	0	0	0	242	0.031
S	116	184	7	0	0	0	0	0	307	0.028
SSW	27	95	3	0	0	0	0	0	125	0.030
SW	12	100	3	0	0	0	0	0	115	0.034
WSW	10	55	12	0	0	0	0	0	77	0.035
W	12	63	15	1	0	0	0	0	91	0.040
WNW	19	125	43	1	0	0	0	0	193	0.040
NW	28	95	37	1	0	0	0	0	161	0.039
NNW	18	47	7	0	0	0	0	0	72	0.033
TOTAL	475	1344	164	3	0	0	0	0	1986	0.033

 * FINAL DATA *
 * AS OF 21/NOV/91 *
 * *****

JOINT FREQUENCY DISTRIBUTION OF OZONE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JAN-89 to 31-MAR-89

[Percentage of Occurrences]

RESULTANT DIRECTION [61104] (DEGREES, COMPASS)	OZONE [44201] (PARTS PER MILLION)										TOTAL
	0.000-0.	0.025-0.	0.050-0.	0.075-0.	0.100-0.	0.125-0.	0.150-0.	>=0.175			
N	0.9	2.3	0.3	0.0	0.0	0.0	0.0	0.0			3.5
NNE	1.1	3.6	0.2	0.0	0.0	0.0	0.0	0.0			4.9
NE	2.5	4.6	0.3	0.0	0.0	0.0	0.0	0.0			7.4
ENE	1.0	2.5	0.2	0.0	0.0	0.0	0.0	0.0			3.7
E	0.3	2.1	0.2	0.0	0.0	0.0	0.0	0.0			3.1
ESE	0.3	1.7	0.1	0.0	0.0	0.0	0.0	0.0			2.5
SE	1.4	3.7	0.2	0.0	0.0	0.0	0.0	0.0			5.3
SSE	3.2	9.3	0.3	0.0	0.0	0.0	0.0	0.0			12.2
S	5.8	4.3	0.4	0.0	0.0	0.0	0.0	0.0			15.5
SSW	1.4	4.3	0.2	0.0	0.0	0.0	0.0	0.0			6.3
SW	0.6	5.0	0.2	0.0	0.0	0.0	0.0	0.0			5.8
WSW	0.5	2.3	0.3	0.0	0.0	0.0	0.0	0.0			3.9
W	0.6	6.3	2.4	0.1	0.0	0.0	0.0	0.0			4.6
WNW	1.0	4.3	1.9	0.1	0.0	0.0	0.0	0.0			9.7
NW	1.4	2.4	0.4	0.0	0.0	0.0	0.0	0.0			3.1
NNW	0.9	67.7	3.3	0.2	0.0	0.0	0.0	0.0			3.6
TOTAL	23.9										100.0

NAAQS Sulfur Dioxide exceedances or highest 10 values

Saguaro National Monument

JAN - MAR 1989

Date	Hour	SO2 (ppm)
15-JAN-89	19	.008
16-JAN-89	17	.007
18-JAN-89	21	.007
10-JAN-89	18	.006
17-JAN-89	19	.006
24-JAN-89	19	.006
09-JAN-89	23	.005
19-JAN-89	0	.005
07-FEB-89	21	.005
08-FEB-89	7	.005

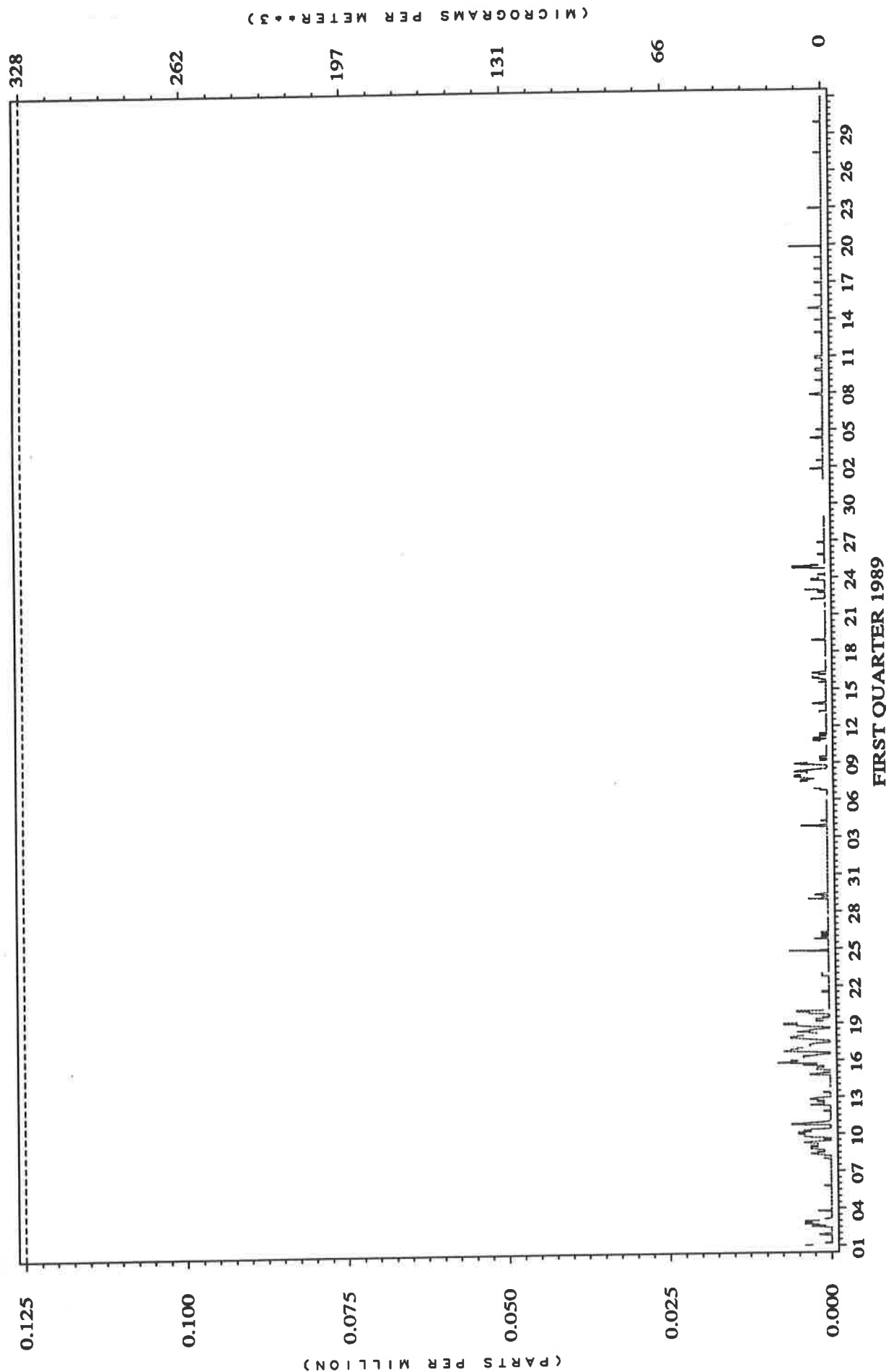
"The national primary ambient air quality standards for sulfur oxides measured as sulfur dioxide by the reference method described in Appendix A to this part, or by an equivalent method, are:

- (a) 80 micrograms per cubic meter (0.03 p.p.m) - annual arithmetic mean.
- (b) 365 micrograms per cubic meter (0.14 p.p.m.) - Maximum 24-hour concentration not to be exceeded more than once a year." [40 CFR 50.4]

"The national secondary ambient air quality standard for sulfur oxide measured as sulfur dioxide by the reference method described in Appendix A to this part, or by any equivalent method is 1,300 micrograms per cubic meter (0.5 p.p.m.) maximum 3-hour concentration not to be exceeded more than once a year." [40 CFR 50.5]

[Run Date: 12-NOV-91]

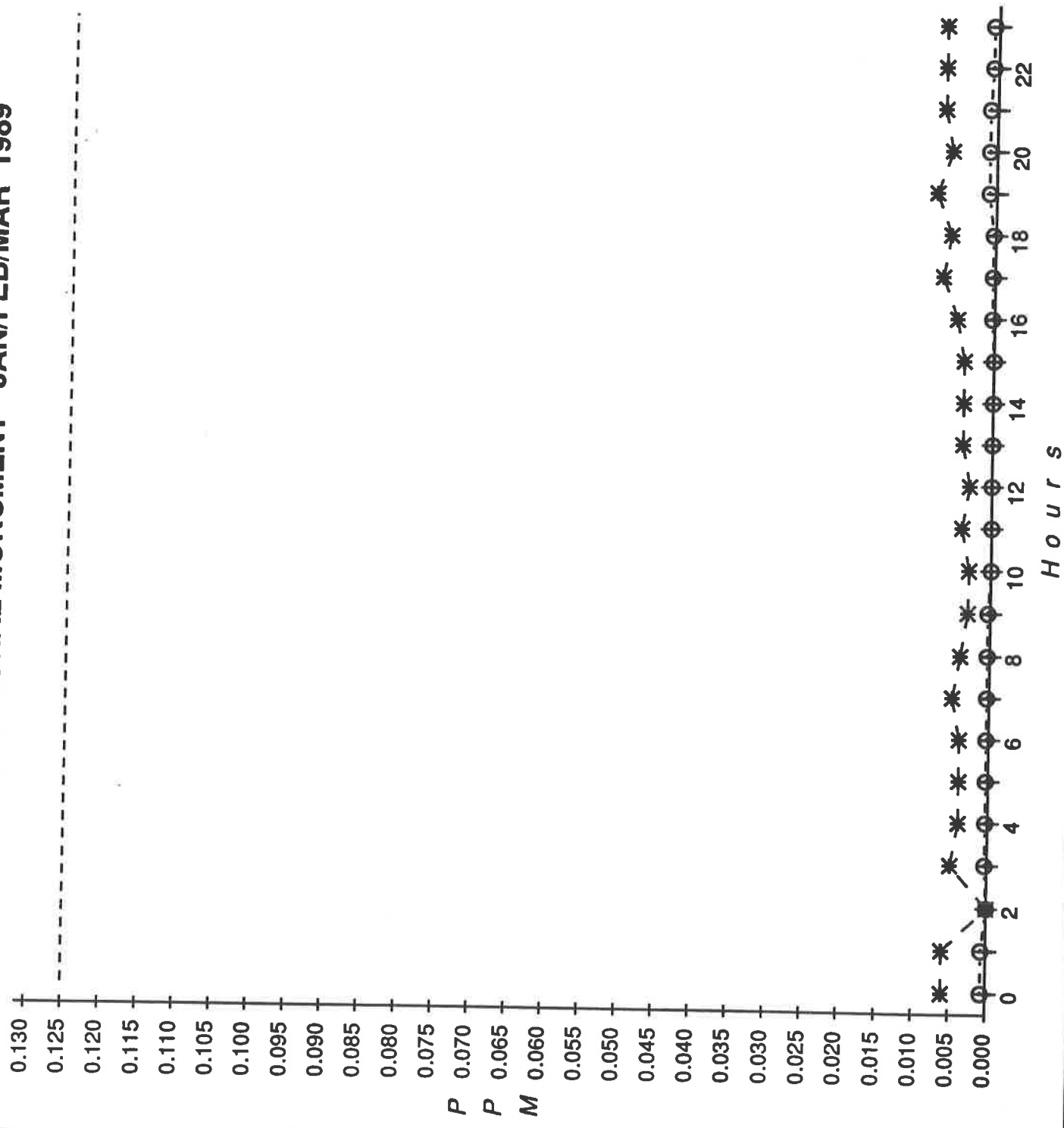
HOURLY DATA - SULFUR DIOXIDE SAGUARO NATIONAL MONUMENT JAN TO MAR 1989



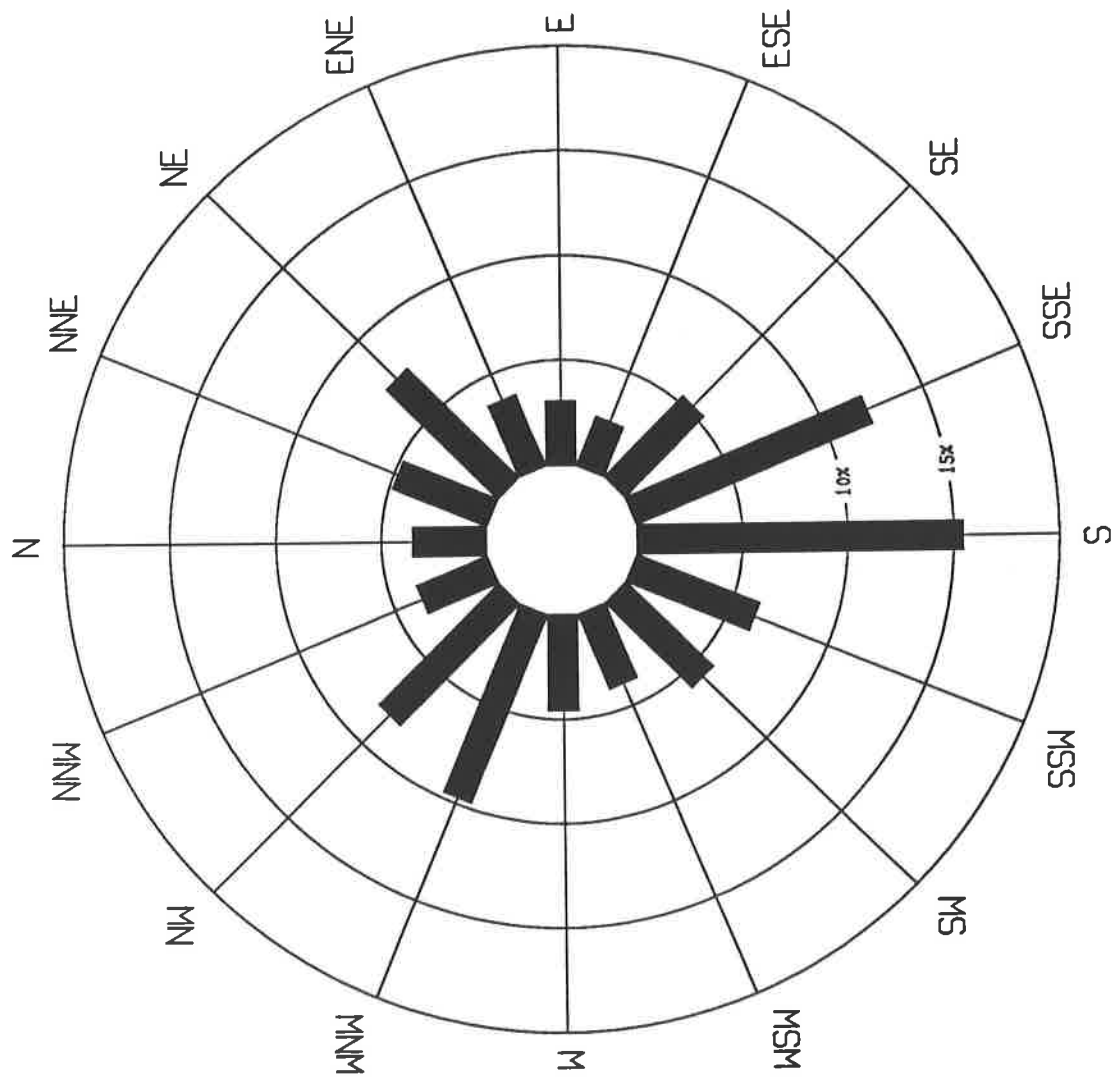
Diurnal Sulfur Dioxide Plot

SAGUARO NATIONAL MONUMENT - JAN/FEB/MAR 1989

Run: 13-NOV-91



NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/JAN/89 - 31/MAR/89



 * FINAL DATA *
 * AS OF 21/NOV/91 *

JOINT FREQUENCY DISTRIBUTION OF SULFUR DIOXIDE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JAN-89 to 31-MAR-89

[Number of Occurrences]

RESULTANT DIRECTION [61104] (DEGREES, COMPASS)		SULFUR DIOXIDE [42401] (PARTS PER MILLION)									TOTAL	AVG SO2
		0.000-0.	0.010-0.	0.020-0.	0.030-0.	0.040-0.	0.050-0.	0.060-0.	>=0.070			
N	70	0	0	0	0	0	0	0	0	70	0.001	
NNE	96	0	0	0	0	0	0	0	0	96	0.001	
NE	147	0	0	0	0	0	0	0	0	147	0.001	
ENE	73	0	0	0	0	0	0	0	0	73	0.001	
E	61	0	0	0	0	0	0	0	0	61	0.001	
ESE	50	0	0	0	0	0	0	0	0	50	0.000	
SE	106	0	0	0	0	0	0	0	0	106	0.000	
SSE	242	0	0	0	0	0	0	0	0	242	0.000	
S	307	0	0	0	0	0	0	0	0	307	0.001	
SSW	125	0	0	0	0	0	0	0	0	125	0.000	
SW	115	0	0	0	0	0	0	0	0	115	0.000	
WSW	77	0	0	0	0	0	0	0	0	77	0.000	
W	91	0	0	0	0	0	0	0	0	91	0.000	
WNW	193	0	0	0	0	0	0	0	0	193	0.000	
NW	161	0	0	0	0	0	0	0	0	161	0.000	
NNW	72	0	0	0	0	0	0	0	0	72	0.001	
TOTAL	1986	0	0	0	0	0	0	0	0	1986	0.000	

 * FINAL DATA *
 * AS OF 21/NOV/91 *
 * *****

JOINT FREQUENCY DISTRIBUTION OF SULFUR DIOXIDE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JAN-89 to 31-MAR-89

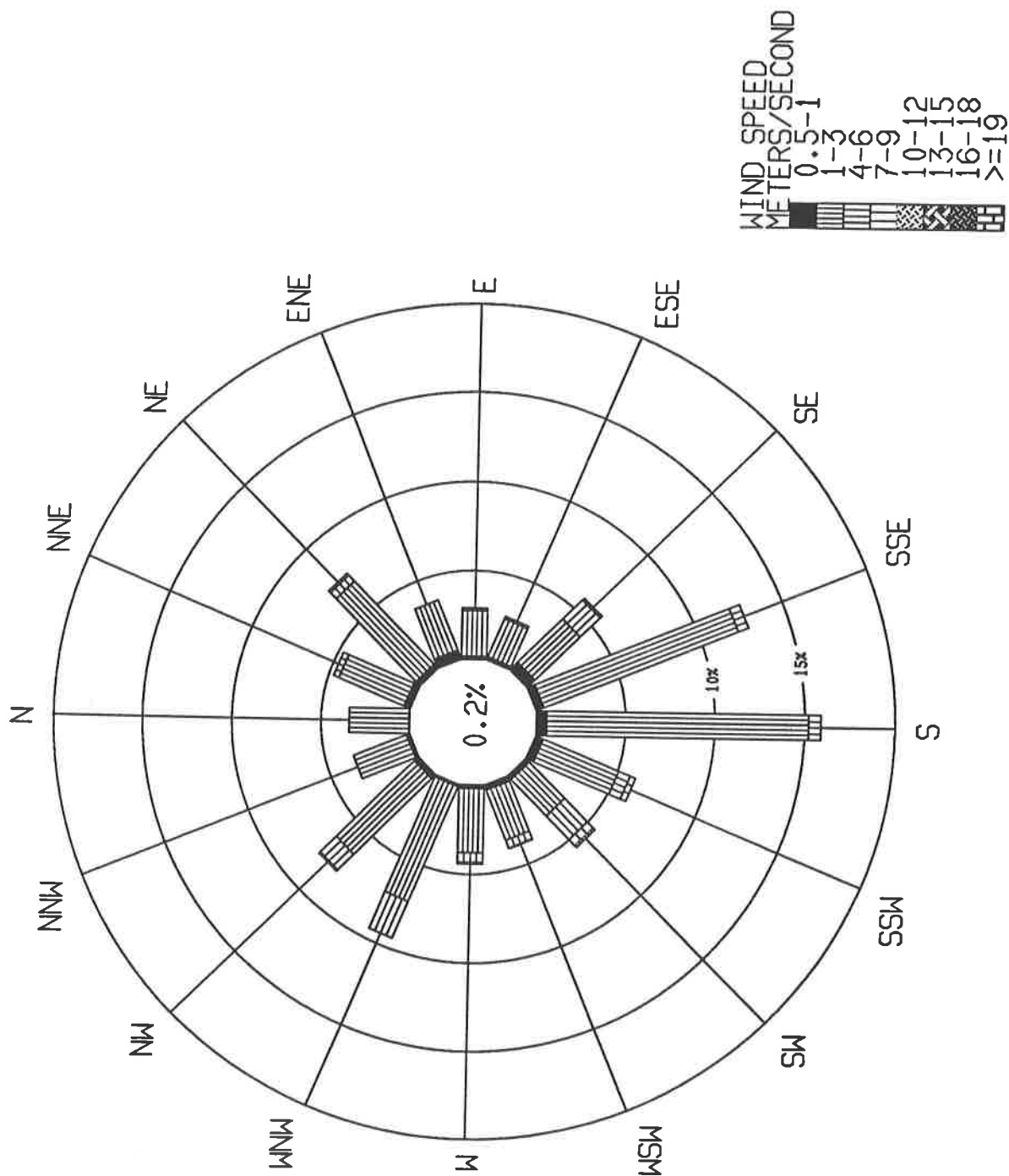
[Percentage of Occurrences]

RESULTANT DIRECTION (61104) (DEGREES, COMPASS)	0.000-0.	0.010-0.	0.020-0.	0.030-0.	0.040-0.	0.050-0.	0.060-0.	>=0.070	TOTAL
N	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
NNE	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
NE	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4
ENE	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
E	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
ESE	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
SE	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
SSE	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2
S	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5
SSW	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
SW	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8
WSW	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
W	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
WNW	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7
NW	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1
NNW	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
TOTAL	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

[Program: EDMS_FREDDIST

Version: LC:08-JAN-90]

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/JAN/89 - 31/MAR/89



 *
 * FINAL DATA *
 * AS OF 21/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JAN-89 to 31-MAR-89

[Number of Occurrences]

RESULTANT DIRECTION (DEGREES, COMPASS)	WIND SPEED [61101] (METERS/SECOND)										TOTAL	AVG WS
	< 0.5	0.5-1	1-3	4-6	7-9	10-12	13-15	16-18	>=19			
N	0	1	72	0	0	0	0	0	0	0	73	1.3
NNE	0	9	86	7	0	0	0	0	0	0	101	2.2
NE	1	7	139	10	3	0	0	0	0	0	160	2.2
ENE	0	12	65	0	0	0	0	0	0	0	77	1.5
E	1	4	55	2	2	0	0	0	0	0	64	1.9
ESE	0	4	50	3	0	0	0	0	0	0	57	1.9
SE	0	13	75	33	3	0	0	0	0	0	124	2.3
SSE	0	10	249	13	0	0	0	0	0	0	272	2.4
S	1	13	312	14	0	0	0	0	0	0	340	2.3
SSW	0	10	93	15	7	0	0	0	0	0	130	2.6
SW	0	6	61	39	10	3	0	0	0	0	119	3.9
WSW	0	7	64	10	1	0	0	0	0	0	82	2.4
W	1	5	76	12	2	0	0	0	0	0	96	2.7
WNW	0	3	150	48	0	0	0	0	0	0	201	3.0
NW	0	7	131	27	2	0	0	0	0	0	167	2.3
NNW	0	4	69	0	0	0	0	0	0	0	73	2.0
TOTAL	4	114	1752	233	30	3	0	0	0	0	2136	2.5

Version: LC:08-JAN-90]

 *
 * FINAL DATA *
 * AS OF 21/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JAN-89 to 31-MAR-89

[Percentage of Occurrences]

RESULTANT DIRECTION [61104]
 (DEGREES, COMPASS)

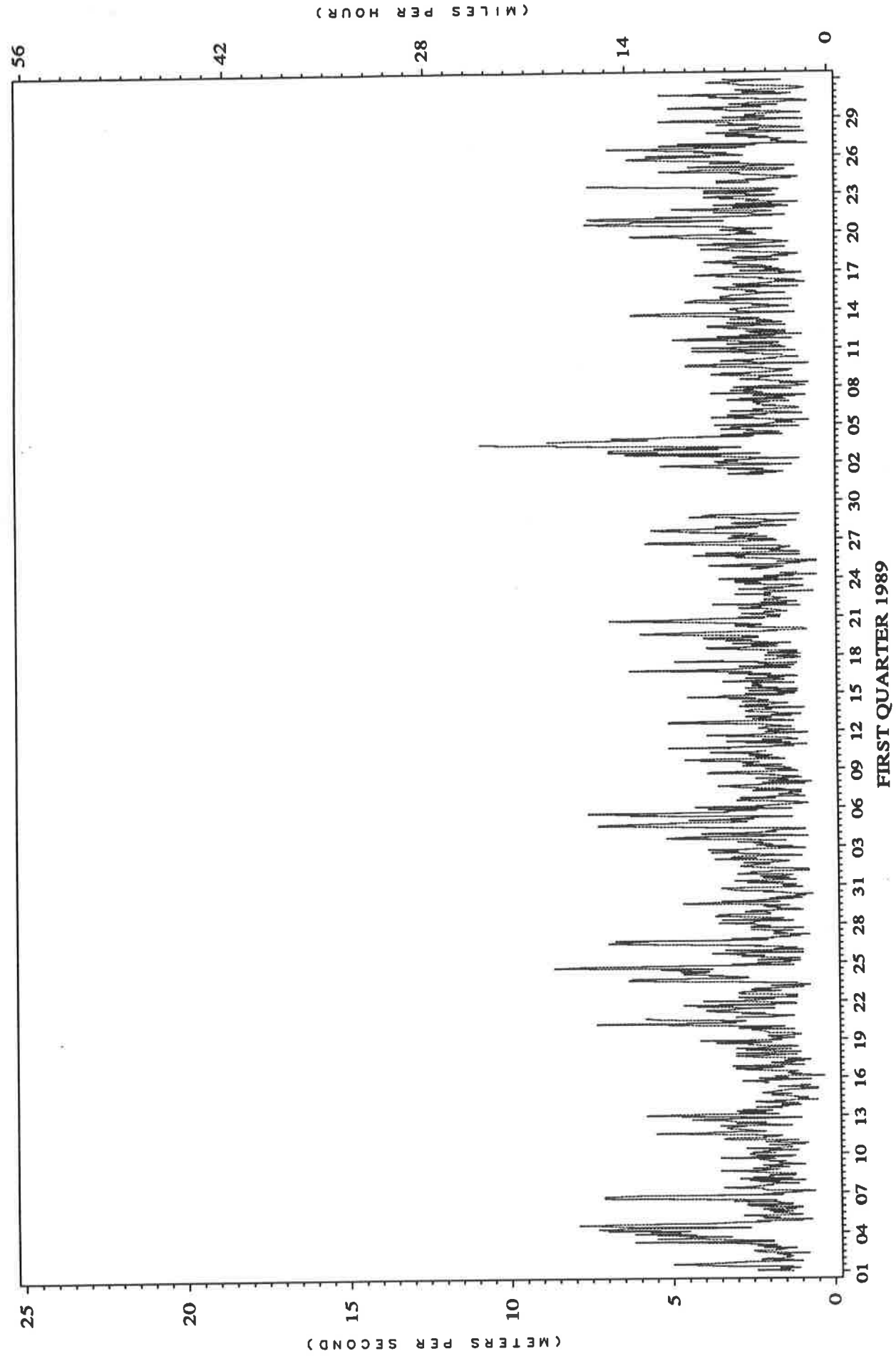
WIND SPEED [61101]
 (METERS/SECOND)

	< 0.5	0.5-1	1-3	4-6	7-9	10-12	13-15	16-18	>=19	TOTAL
N	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	3.4
NNE	0.0	0.4	4.0	0.3	0.0	0.0	0.0	0.0	0.0	4.7
NE	0.0	0.3	5.5	0.5	0.1	0.0	0.0	0.0	0.0	7.5
ENE	0.0	0.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
E	0.0	0.2	2.6	0.1	0.1	0.0	0.0	0.0	0.0	3.0
ESE	0.0	0.2	2.3	0.1	0.0	0.0	0.0	0.0	0.0	2.7
SE	0.0	0.6	3.5	1.5	0.1	0.0	0.0	0.0	0.0	5.8
SSE	0.0	0.5	11.7	0.6	0.0	0.0	0.0	0.0	0.0	12.7
S	0.0	0.6	14.6	0.7	0.0	0.0	0.0	0.0	0.0	15.9
SSW	0.0	0.5	4.6	0.7	0.3	0.0	0.0	0.0	0.0	6.1
SW	0.0	0.3	2.9	1.3	0.5	0.1	0.0	0.0	0.0	5.6
WSW	0.0	0.3	3.0	0.5	0.0	0.0	0.0	0.0	0.0	3.8
W	0.0	0.2	3.6	0.6	0.1	0.0	0.0	0.0	0.0	4.5
WNW	0.0	0.1	7.0	2.2	0.0	0.0	0.0	0.0	0.0	9.4
NW	0.0	0.3	6.1	1.3	0.1	0.0	0.0	0.0	0.0	7.8
NNW	0.0	0.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.4
TOTAL	0.2	5.3	32.0	10.9	1.4	0.1	0.0	0.0	0.0	100.0

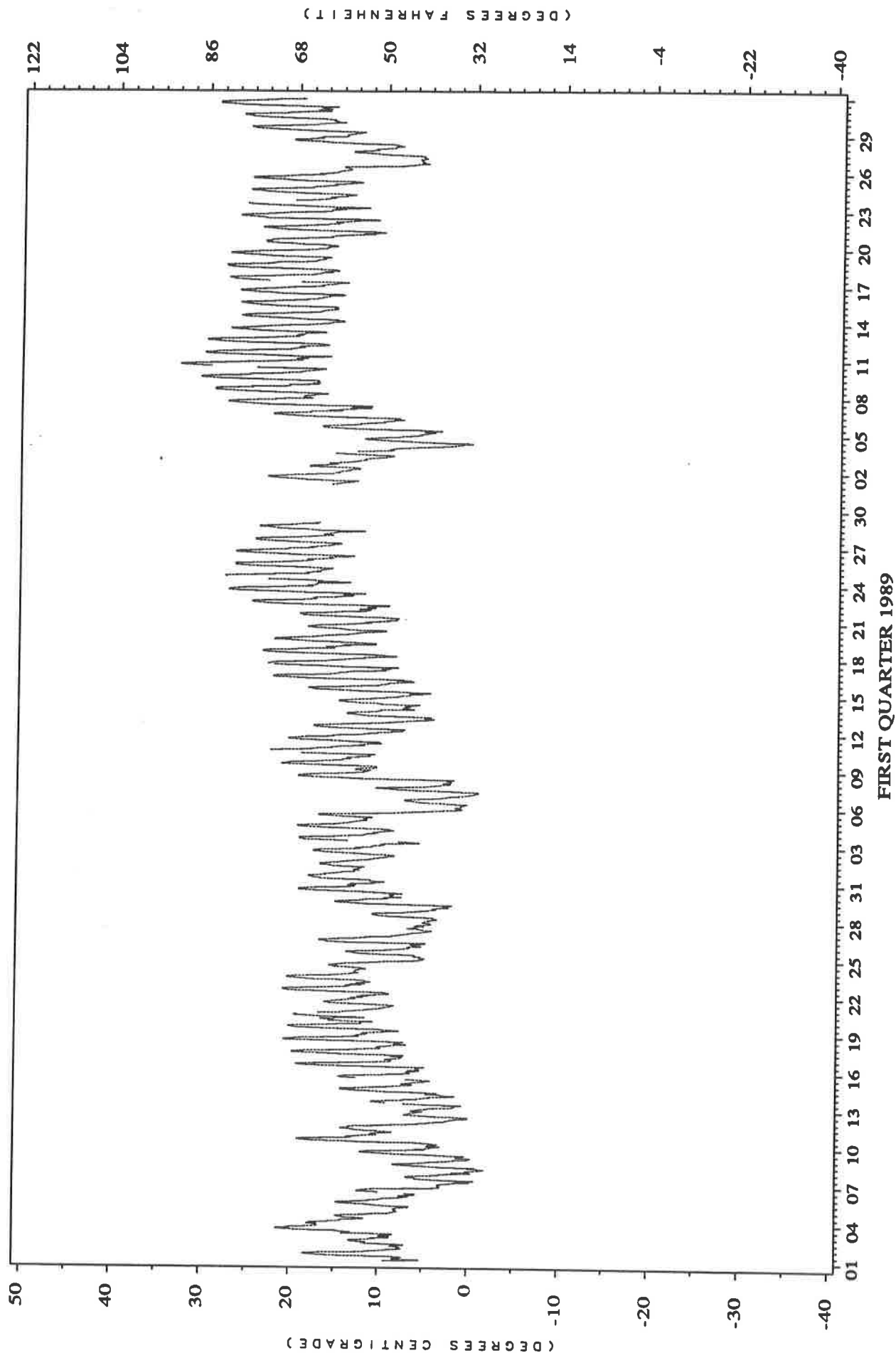
[Program: EDMS_FREQDIST

Version: LG: 08-JAN-90]

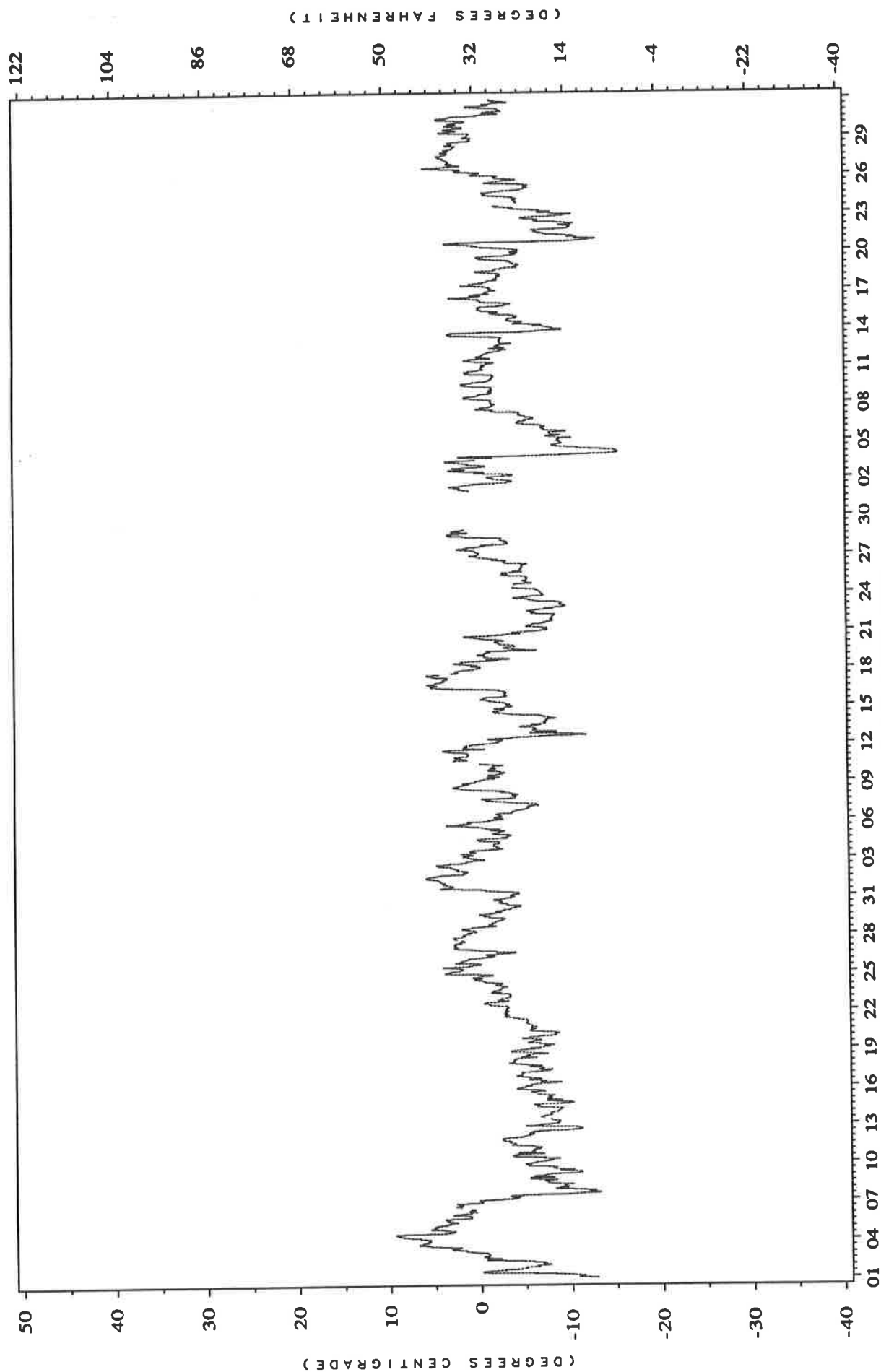
HOURLY DATA - SCALAR WIND SPEED
SAGUARO NATIONAL MONUMENT
JAN TO MAR 1989



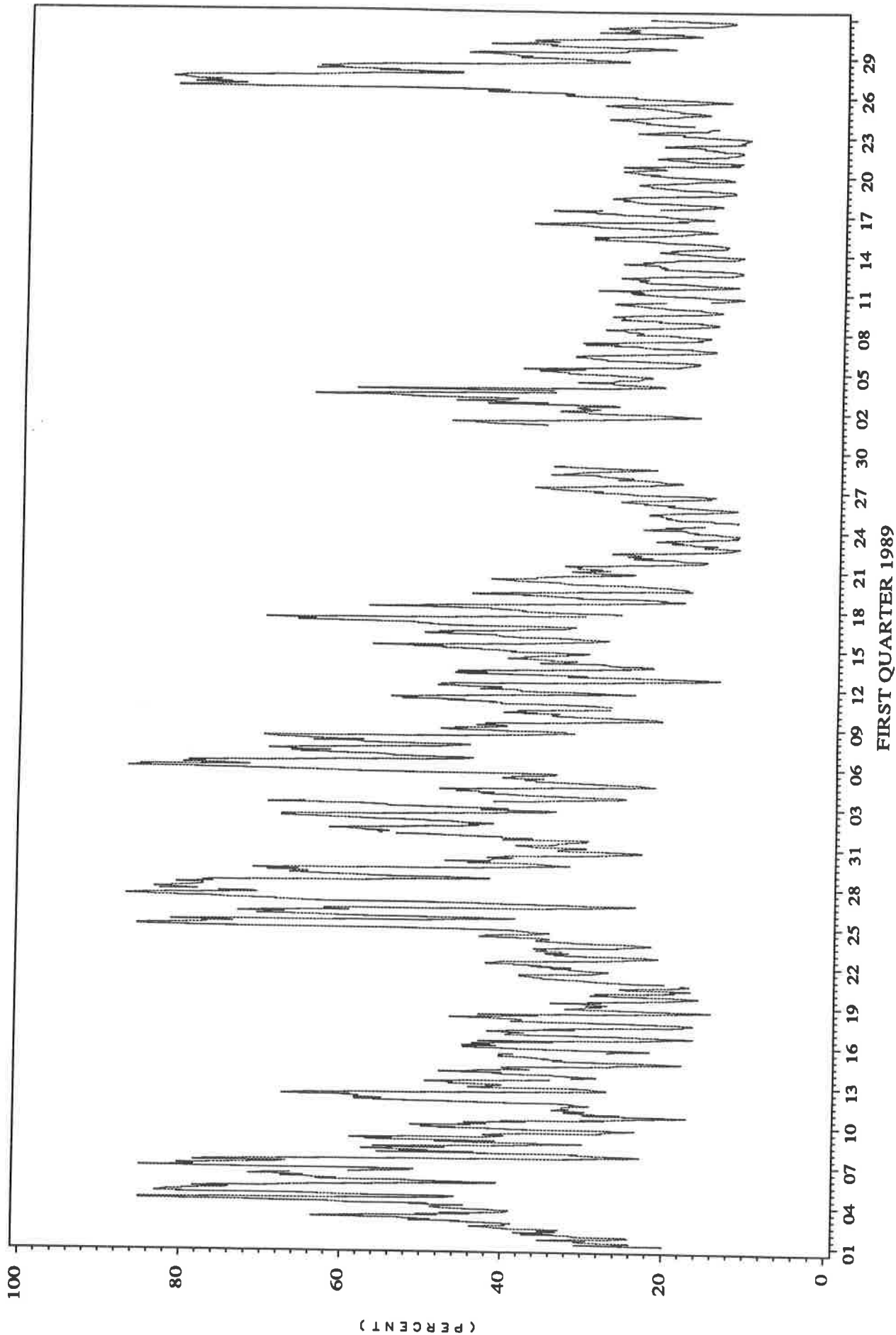
HOURLY DATA - TEMPERATURE
SAGUARO NATIONAL MONUMENT
JAN TO MAR 1989



HOURLY DATA - DEW POINT TEMPERATURE
SAGUARO NATIONAL MONUMENT
JAN TO MAR 1989



HOURLY DATA - RELATIVE HUMIDITY
SAGUARO NATIONAL MONUMENT
JAN TO MAR 1989



2ND QUARTER DATA SUMMARIES SECTION

Recovery Percentages for APR - JUN 89

Saguaro National Monument

Sulfur Dioxide :	91.3 %
Ozone :	91.3 %
Scalar Wind Speed :	99.3 %
Resultant Wind Speed :	99.3 %
Resultant Wind Direction :	99.3 %
Temperature :	99.3 %
Dew Point Temperature :	99.3 %
Solar Radiation :	99.2 %
Precipitation :	99.4 %
Station Temperature :	99.8 %

[Run Date: 13-NOV-91]

NAAQS Ozone exceedances or highest 10 values

Saguaro National Monument

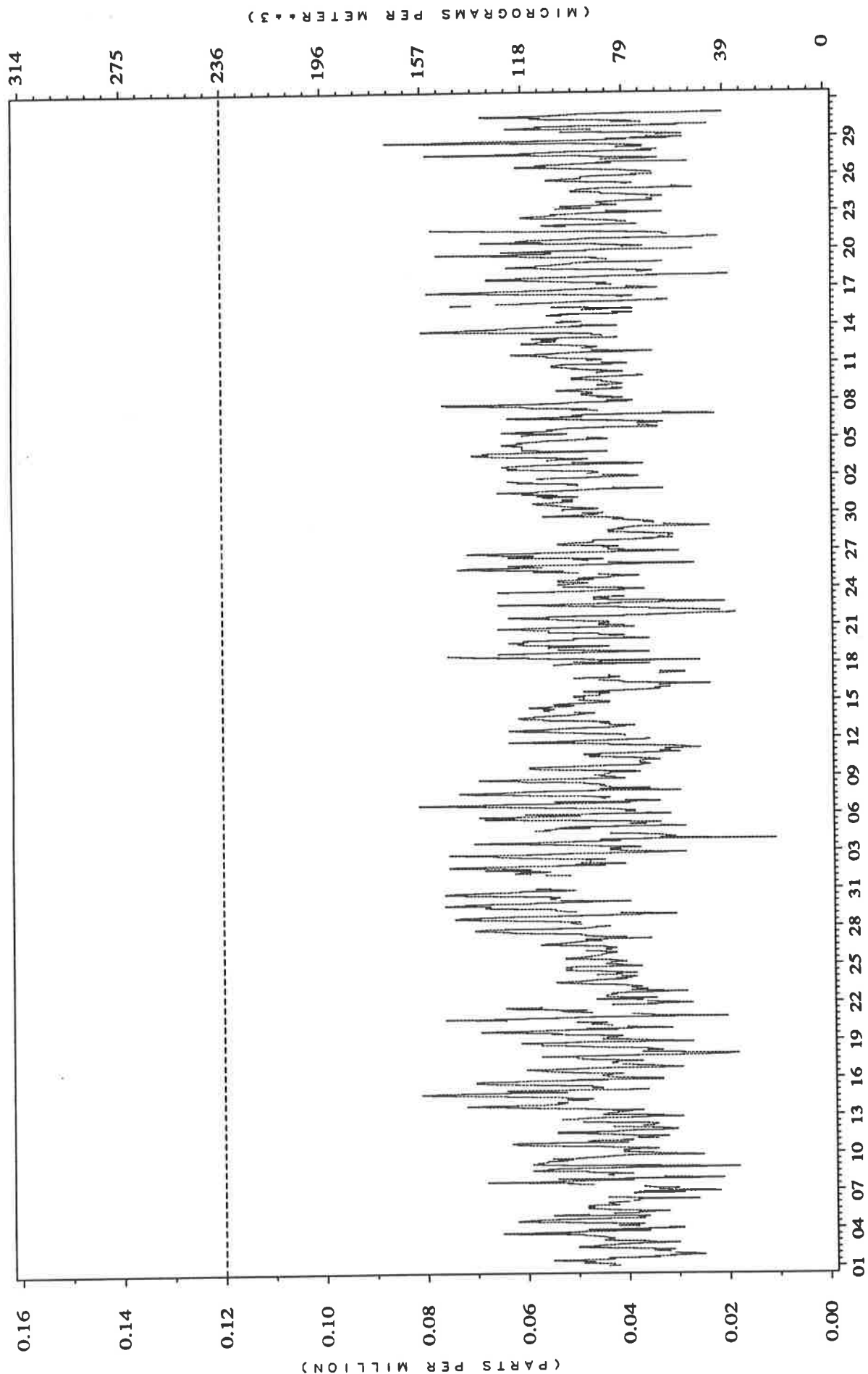
APR - JUN 1989

Date	Hour	Ozone (ppm)
28-JUN-89	13	.087
14-APR-89	15	.081
06-MAY-89	14	.081
13-JUN-89	11	.080
16-JUN-89	12	.079
27-JUN-89	13	.079
21-JUN-89	12	.078
19-JUN-89	12	.077
20-APR-89	14	.076
29-APR-89	14	.076

"The level of the national primary and secondary ambient air quality standards for ozone measured by a reference method based on Appendix D to this part and designated in accordance with part 53 of this chapter, is 0.12 part per million (235 ug/m3). The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 part per million (235 ug/m3) is equal to or less than 1, as determined by Appendix H." [40 CFR 50.9]

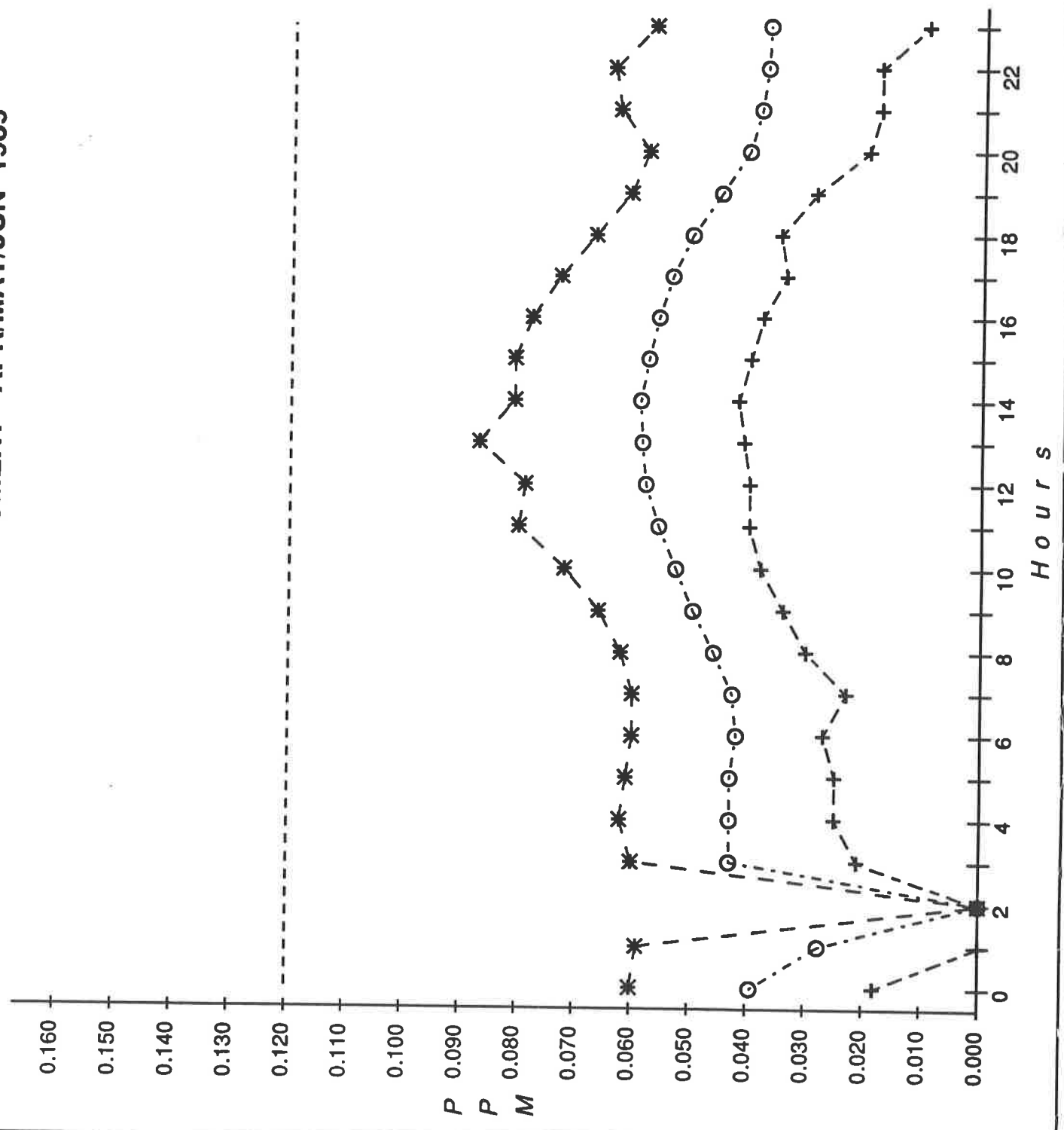
[Run Date: 13-NOV-91]

HOURLY DATA - OZONE SAGUARO NATIONAL MONUMENT APR TO JUN 1989

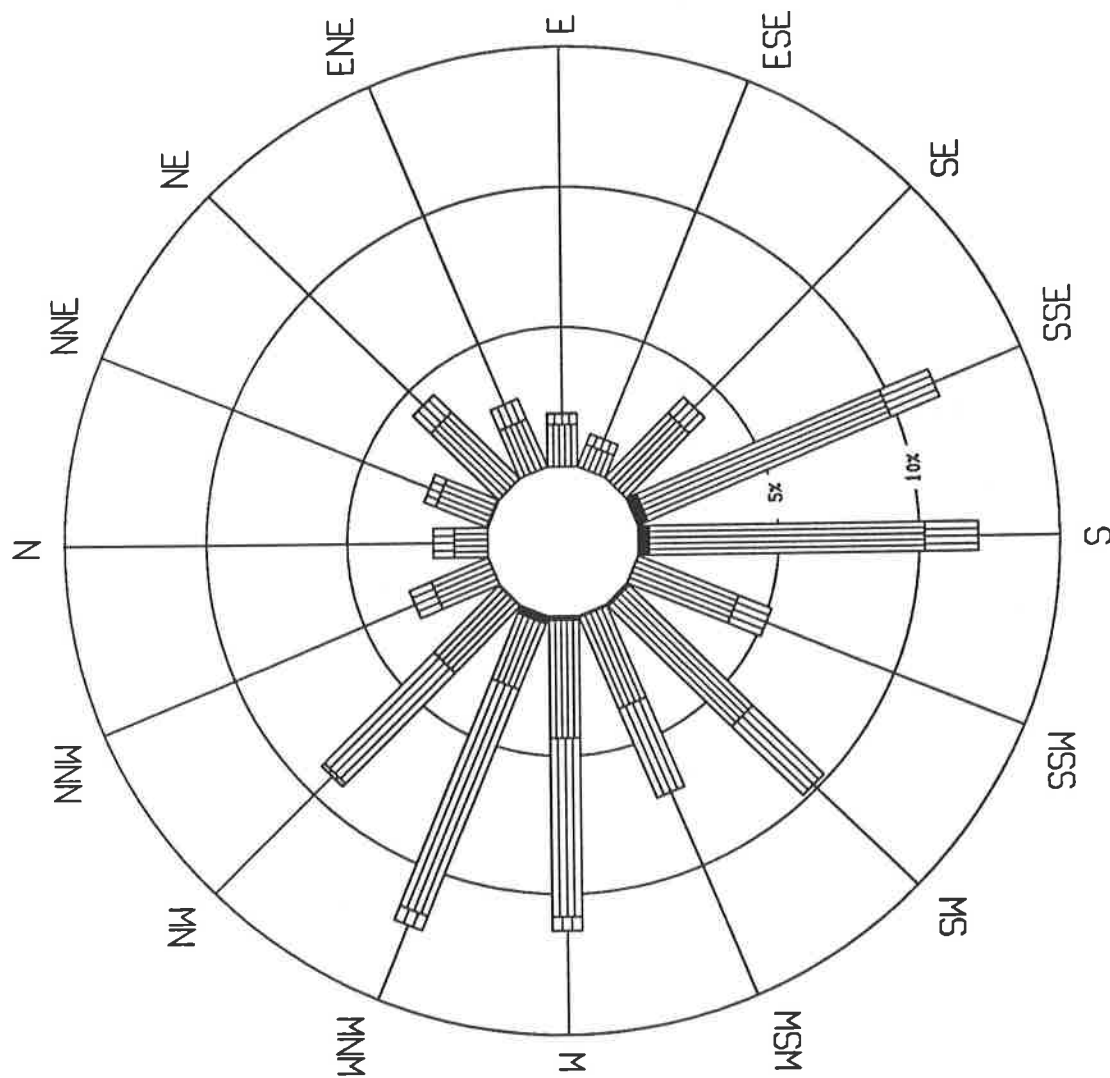


Diurnal Ozone Plot SAGUARO NATIONAL MONUMENT - APR/MAY/JUN 1989

Run: 13-NOV-91



NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/APR/89 - 30/JUN/89



OZONE
 PARTS PER MILLION

0.000-0.024
0.025-0.049
0.050-0.074
0.075-0.099
0.100-0.124
0.125-0.149
0.150-0.174
>=0.175

 *
 * FINAL DATA *
 * AS OF 21/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF OZONE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-APR-89 to 30-JUN-89

[Number of Occurrences]

RESULTANT DIRECTION [61104]
 (DEGREES, COMPASS)

OZONE [442013]
 (PARTS PER MILLION)

	0.000-0.	0.025-0.	0.050-0.	0.075-0.	0.100-0.	0.125-0.	0.150-0.	>=0.175	TOTAL	AVG O3
N	0	24	15	0	0	0	0	0	39	0.047
NNE	1	39	9	0	0	0	0	0	49	0.043
NE	0	68	18	0	0	0	0	0	86	0.044
ENE	0	37	16	0	0	0	0	0	53	0.046
E	0	30	8	0	0	0	0	0	38	0.043
ESE	0	17	8	0	0	0	0	0	25	0.045
SE	0	64	16	0	0	0	0	0	80	0.043
SSE	8	187	37	0	0	0	0	0	232	0.041
S	8	195	38	0	0	0	0	0	241	0.041
SSW	0	77	25	0	0	0	0	0	102	0.044
SW	2	123	71	0	0	0	0	0	196	0.047
WSW	1	71	70	0	0	0	0	0	142	0.049
W	3	84	128	10	0	0	0	0	225	0.053
WNW	6	50	175	11	0	0	0	0	242	0.056
NW	1	66	111	3	0	0	0	0	181	0.052
NNW	0	44	17	0	0	0	0	0	61	0.044
TOTAL	30	1176	762	24	0	0	0	0	1992	0.047

Program: EDMS_FREDDIST

Version: LG:08-JAN-90]

 #
 # FINAL DATA #
 # AS OF 21/NOV/91 #
 #

JOINT FREQUENCY DISTRIBUTION OF OZONE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-APR-89 to 30-JUN-89

[Percentage of Occurrences]

RESULTANT DIRECTION [61104]
 (DEGREES, COMPASS)

OZONE [44201]
 (PARTS PER MILLION)

	0.000-0.	0.025-0.	0.050-0.	0.075-0.	0.100-0.	0.125-0.	0.150-0.	≥0.175	TOTAL
N	0.0	1.2	0.3	0.0	0.0	0.0	0.0	0.0	2.0
NNE	0.1	2.0	0.5	0.0	0.0	0.0	0.0	0.0	2.5
NE	0.0	3.4	0.9	0.0	0.0	0.0	0.0	0.0	4.3
ENE	0.0	1.9	0.3	0.0	0.0	0.0	0.0	0.0	2.7
E	0.0	1.5	0.4	0.0	0.0	0.0	0.0	0.0	1.9
ESE	0.0	0.9	0.4	0.0	0.0	0.0	0.0	0.0	1.3
SE	0.0	3.2	0.3	0.0	0.0	0.0	0.0	0.0	4.0
SSE	0.4	9.4	1.9	0.0	0.0	0.0	0.0	0.0	11.6
S	0.4	9.3	1.9	0.0	0.0	0.0	0.0	0.0	12.1
SSW	0.0	3.9	1.3	0.0	0.0	0.0	0.0	0.0	5.1
SW	0.1	6.2	3.6	0.0	0.0	0.0	0.0	0.0	9.3
WSW	0.1	3.6	3.5	0.0	0.0	0.0	0.0	0.0	7.1
W	0.2	4.2	6.4	0.5	0.0	0.0	0.0	0.0	11.3
WNW	0.3	2.5	3.3	0.6	0.0	0.0	0.0	0.0	12.1
NW	0.1	3.3	5.6	0.2	0.0	0.0	0.0	0.0	9.1
NNW	0.0	2.2	0.9	0.0	0.0	0.0	0.0	0.0	3.1
TOTAL	1.5	59.0	33.3	1.2	0.0	0.0	0.0	0.0	100.0

[Program: EDMS_FREGOIST

Version: LC:08-JAN-90]

NAAQS Sulfur Dioxide exceedances or highest 10 values

Saguaro National Monument

APR - JUN 1989

Date	Hour	SO2 (ppm)
10-JUN-89	10	.016
24-MAY-89	22	.005
17-JUN-89	23	.005
20-JUN-89	22	.005
30-JUN-89	22	.005
20-APR-89	21	.004
18-MAY-89	21	.004
22-MAY-89	21	.004
06-JUN-89	22	.004
18-JUN-89	0	.004

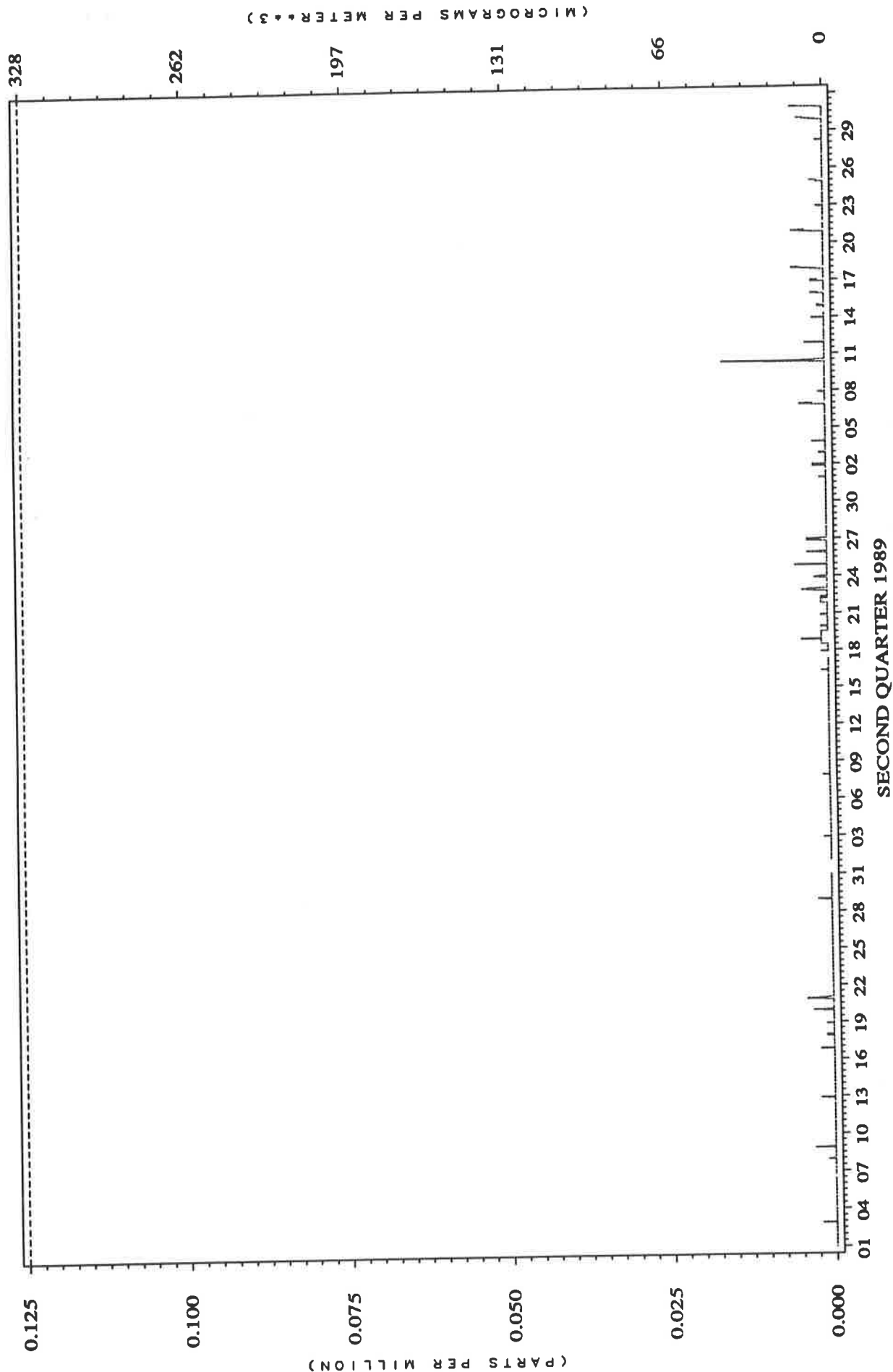
"The national primary ambient air quality standards for sulfur oxides measured as sulfur dioxide by the reference method described in Appendix A to this part, or by an equivalent method, are:

- (a) 80 micrograms per cubic meter (0.03 p.p.m.) - annual arithmetic mean.
- (b) 365 micrograms per cubic meter (0.14 p.p.m.) - Maximum 24-hour concentration not to be exceeded more than once a year." [40 CFR 50.4]

"The national secondary ambient air quality standard for sulfur oxide measured as sulfur dioxide by the reference method described in Appendix A to this part, or by any equivalent method is 1,300 micrograms per cubic meter (0.5 p.p.m.) maximum 3-hour concentration not to be exceeded more than once a year." [40 CFR 50.5]

[Run Date: 13-NOV-91]

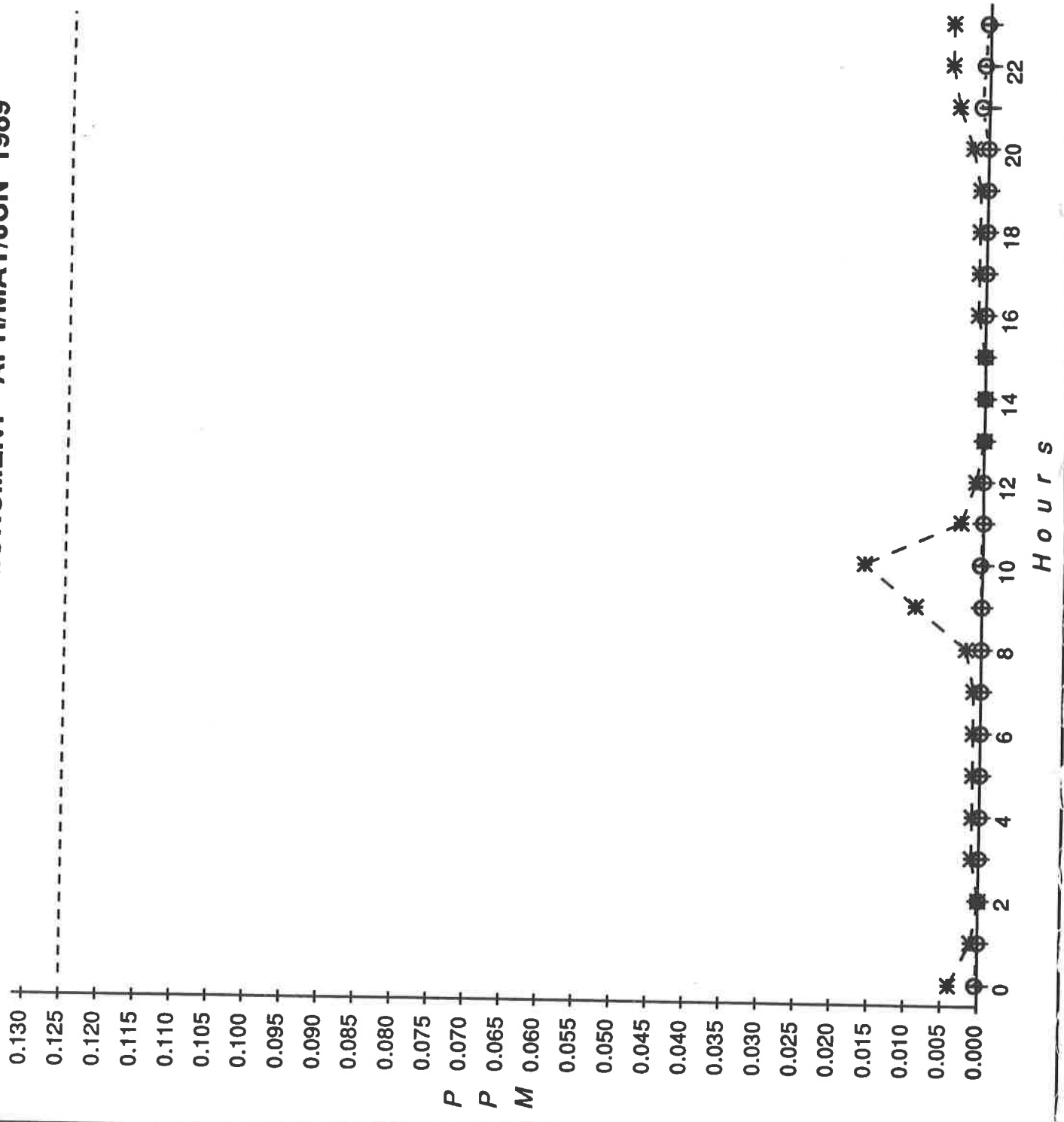
HOURLY DATA - SULFUR DIOXIDE SAGUARO NATIONAL MONUMENT APR TO JUN 1989



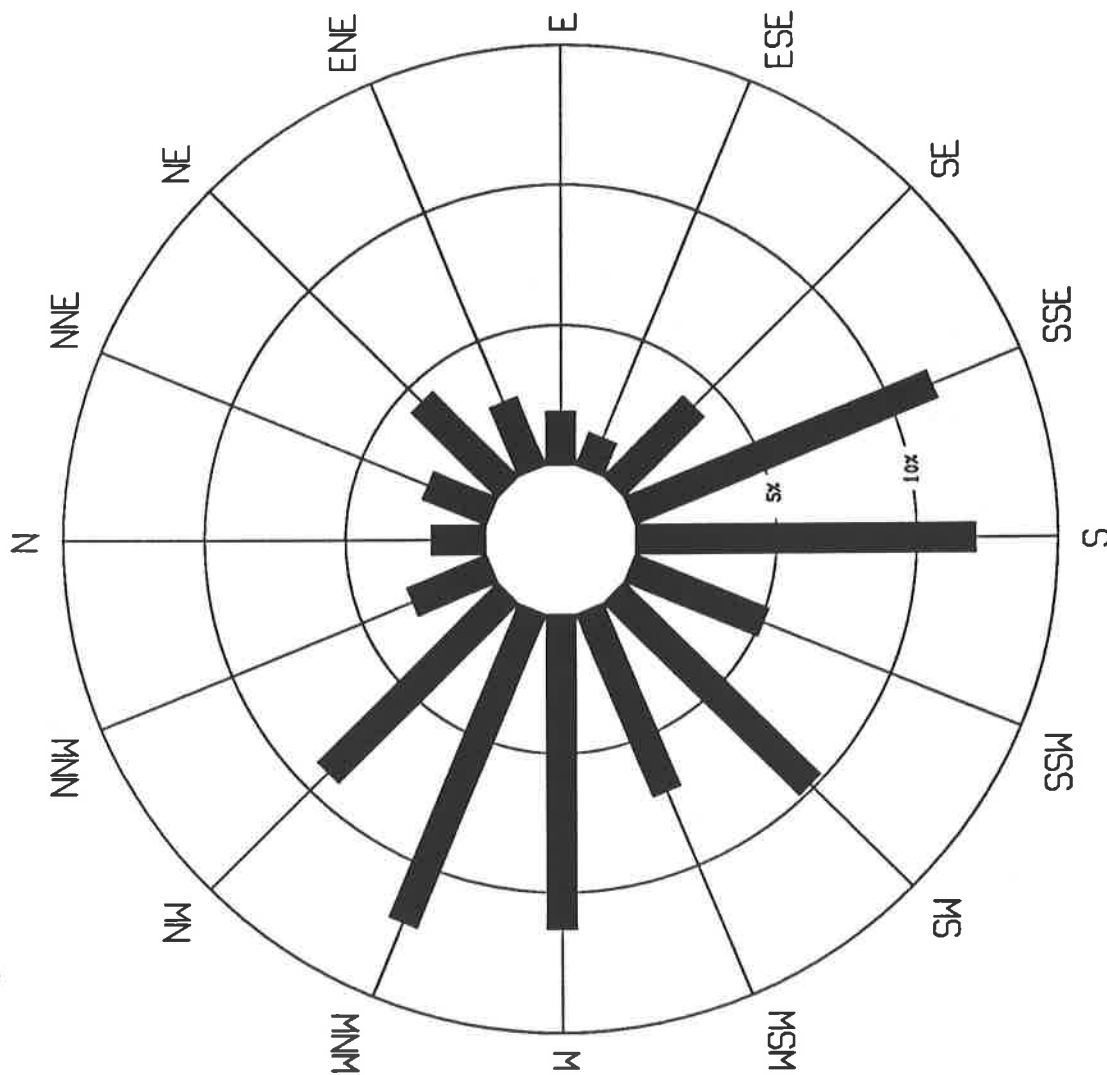
Diurnal Sulfur Dioxide Plot

SAGUARO NATIONAL MONUMENT - APR/MAY/JUN 1989

Run: 13-NOV-91



NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/APR/89 - 30/JUN/89



SULFUR DIOXIDE
 PARTS PER MILLION
 0.000-0.009
 0.010-0.019
 0.020-0.029
 0.030-0.039
 0.040-0.049
 0.050-0.059
 0.060-0.069
 >=0.070

 * FINAL DATA *
 * AS OF 21/NOV/91 *
 * *****

JOINT FREQUENCY DISTRIBUTION OF SULFUR DIOXIDE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-APR-89 to 30-JUN-89

[Number of Occurrences]

RESULTANT DIRECTION [61104]
 (DEGREES, COMPASS)

SULFUR DIOXIDE [42401]
 (PARTS PER MILLION)

	0.000-0.	0.010-0.	0.020-0.	0.030-0.	0.040-0.	0.050-0.	0.060-0.	>=0.070	TOTAL	AVG S02
N	39	0	0	0	0	0	0	0	39	0.000
NNE	49	0	0	0	0	0	0	0	49	0.000
NE	36	0	0	0	0	0	0	0	36	0.000
ENE	53	0	0	0	0	0	0	0	53	0.000
E	33	0	0	0	0	0	0	0	33	0.000
ESE	25	0	0	0	0	0	0	0	25	0.000
SE	30	0	0	0	0	0	0	0	30	0.000
SSE	232	0	0	0	0	0	0	0	232	0.000
S	241	0	0	0	0	0	0	0	241	0.000
SSW	102	0	0	0	0	0	0	0	102	0.000
SW	196	0	0	0	0	0	0	0	196	0.000
WSW	141	1	0	0	0	0	0	0	142	0.000
W	225	0	0	0	0	0	0	0	225	0.000
WNW	242	0	0	0	0	0	0	0	242	0.000
NW	131	0	0	0	0	0	0	0	131	0.000
NNW	61	0	0	0	0	0	0	0	61	0.000
TOTAL	1991	1	0	0	0	0	0	0	1992	0.000

[Program: EDMS_FREQDIST

Version: LC:08-JAN-90]

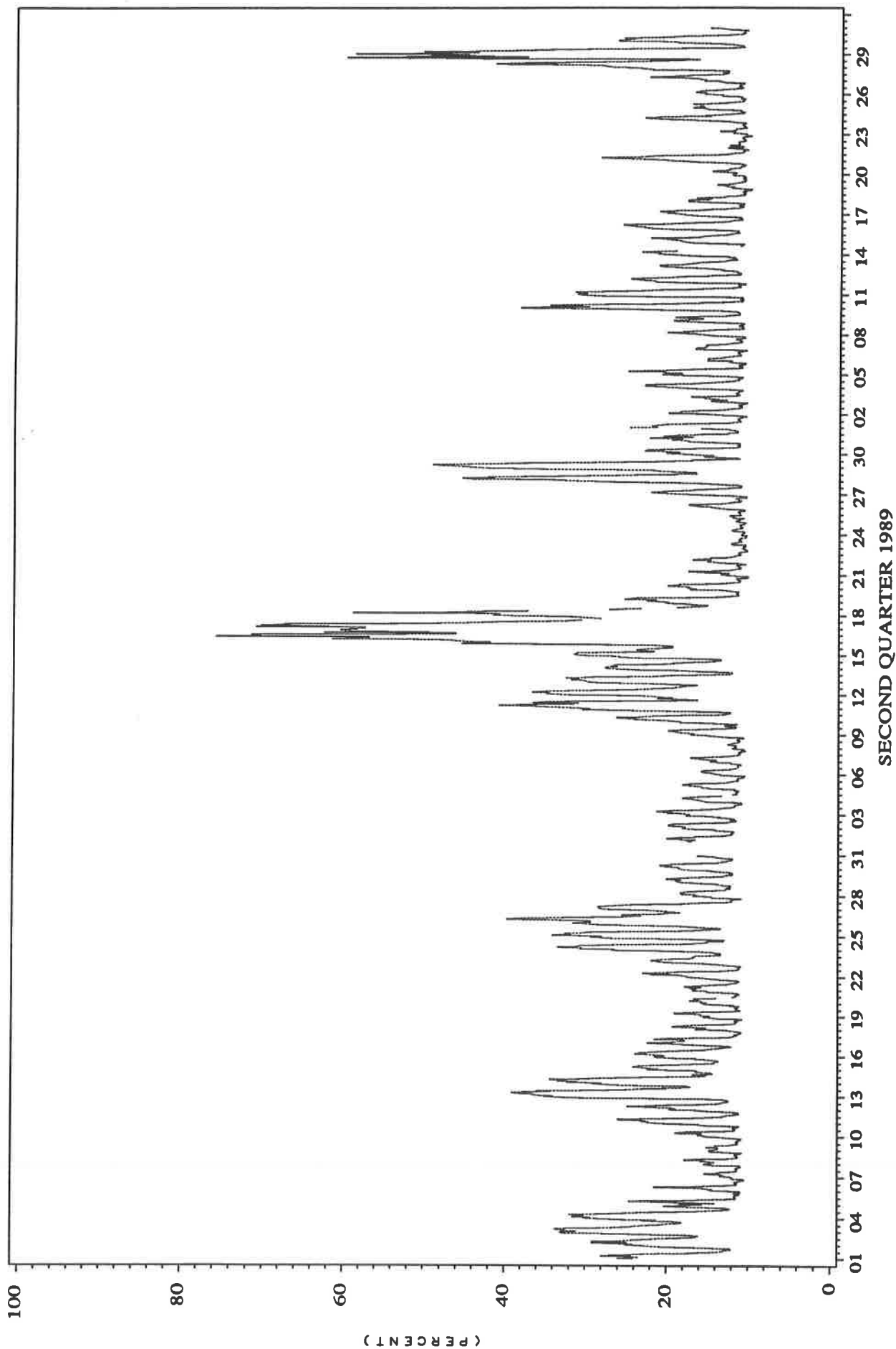
 * FINAL DATA *
 * AS OF 21/NOV/91 *
 * *****

JOINT FREQUENCY DISTRIBUTION OF SULFUR DIOXIDE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-APR-89 to 30-JUN-89

[Percentage of Occurrences]

RESULTANT DIRECTION [61104] (DEGREES, COMPASS)	SULFUR DIOXIDE [42401] (PARTS PER MILLION)								TOTAL
	0.000-0.	0.010-0.	0.020-0.	0.030-0.	0.040-0.	0.050-0.	0.060-0.	>=0.070	
N	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
NNE	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
NE	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
ENE	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
E	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
ESE	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
SE	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
SSE	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6
S	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1
SSW	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
SW	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8
WSW	7.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	7.1
W	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3
WNW	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1
NW	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1
NNW	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
TOTAL	99.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0

HOURLY DATA - RELATIVE HUMIDITY
SAGUARO NATIONAL MONUMENT
APR TO JUN 1989



3RD QUARTER DATA SUMMARIES SECTION

Recovery Percentages for JUL - SEP 89

Saguaro National Monument

Sulfur Dioxide :	86.6 %
Ozone :	91.8 %
Scalar Wind Speed :	94.7 %
Resultant Wind Speed :	94.7 %
Resultant Wind Direction :	94.7 %
Temperature :	94.7 %
Dew Point Temperature :	94.7 %
Solar Radiation :	94.7 %
Precipitation :	99.6 %
Station Temperature :	99.6 %

[Run Date: 13-NOV-91]

NAAQS Ozone exceedances or highest 10 values

Saguaro National Monument

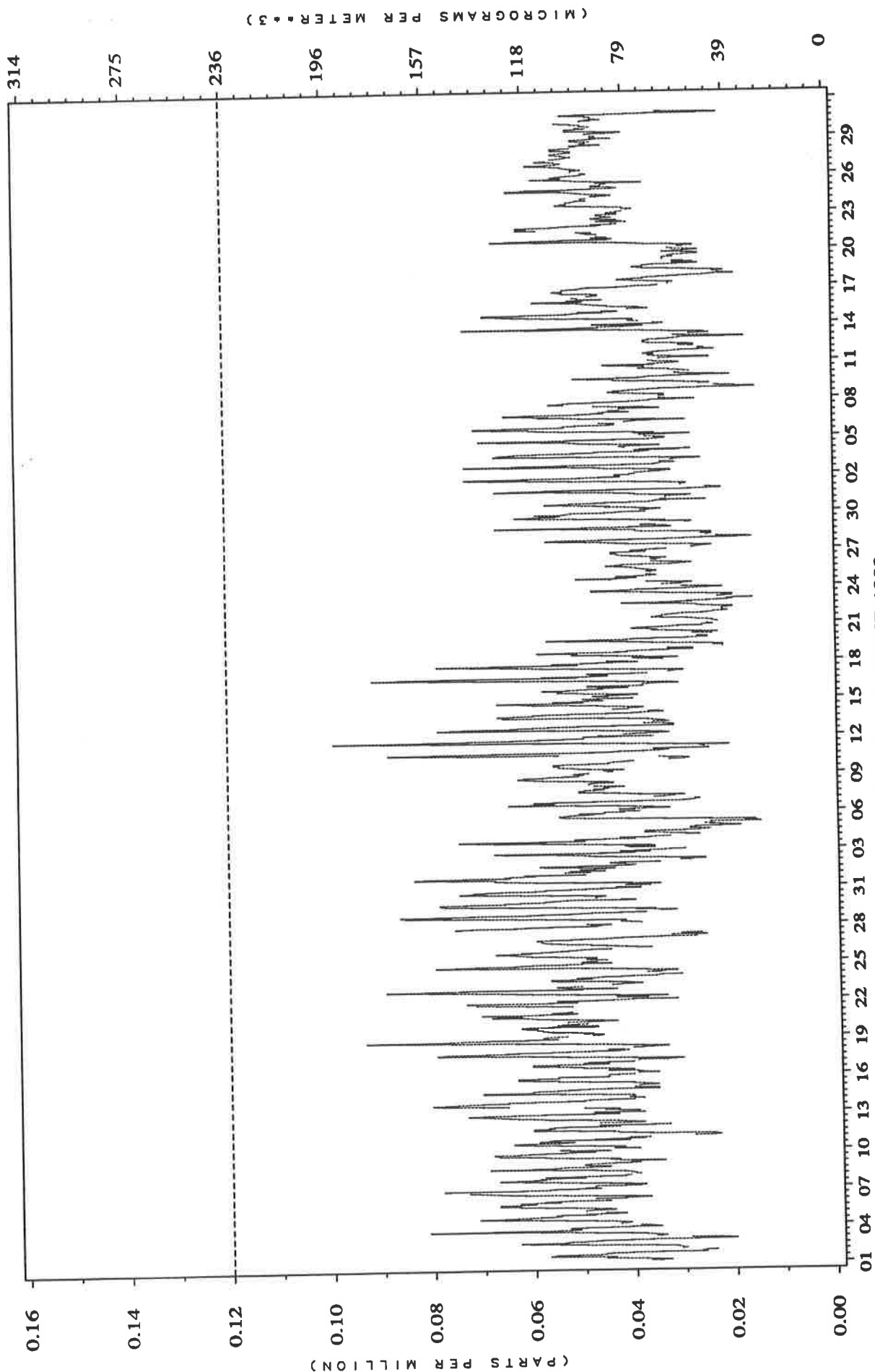
JUL - SEP 1989

Date	Hour	Ozone (ppm)
11-AUG-89	13	.099
18-JUL-89	14	.093
16-AUG-89	13	.091
22-JUL-89	15	.089
10-AUG-89	13	.088
28-JUL-89	15	.086
31-JUL-89	15	.083
03-JUL-89	12	.081
13-JUL-89	13	.080
17-JUL-89	13	.079

"The level of the national primary and secondary ambient air quality standards for ozone measured by a reference method based on Appendix D to this part and designated in accordance with part 53 of this chapter, is 0.12 part per million (235 ug/m3). The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 part per million (235 ug/m3) is equal to or less than 1, as determined by Appendix H." [40 CFR 50.9]

[Run Date: 13-NOV-91]

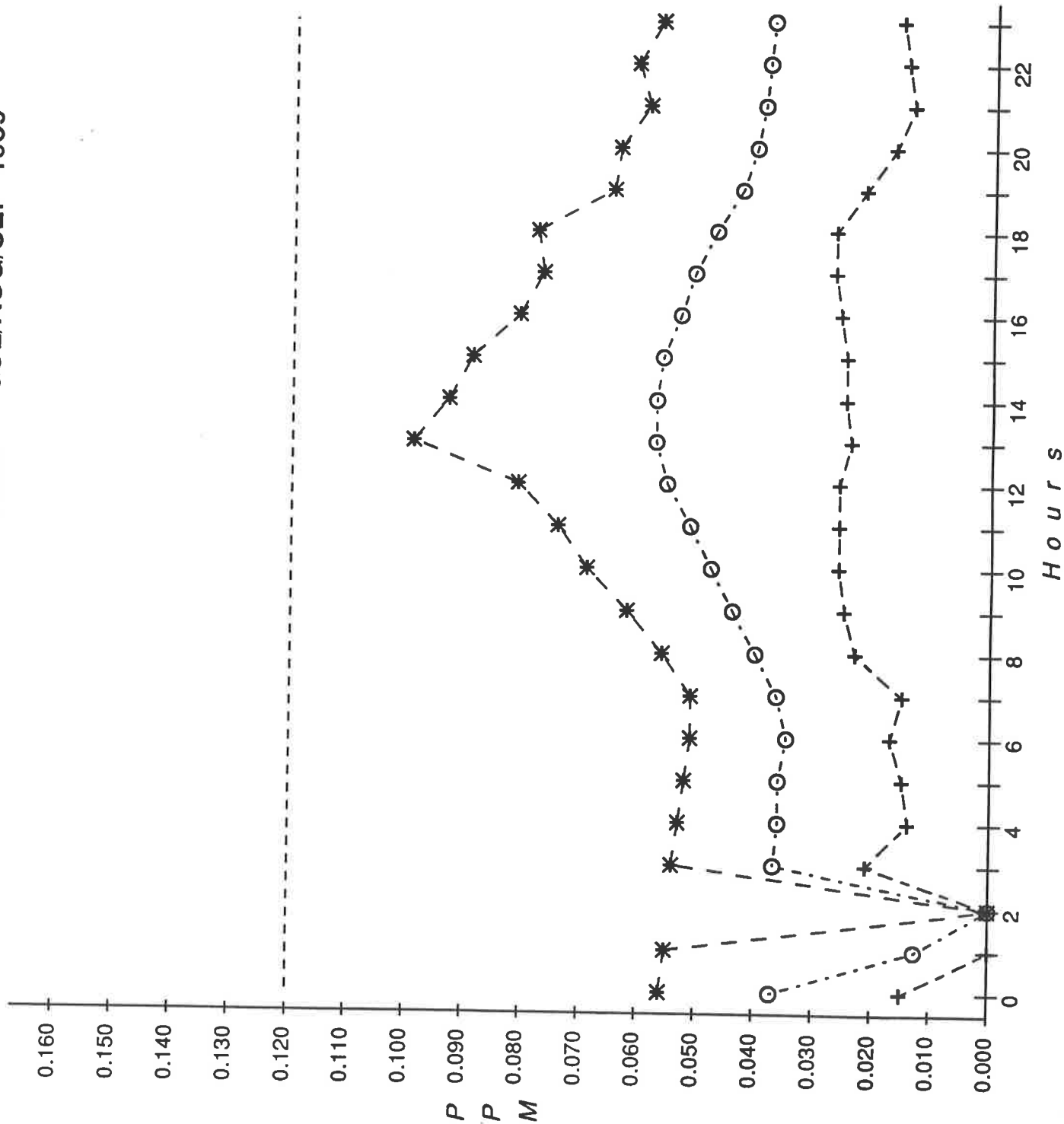
HOURLY DATA - OZONE SAGUARO NATIONAL MONUMENT JUL TO SEP 1989



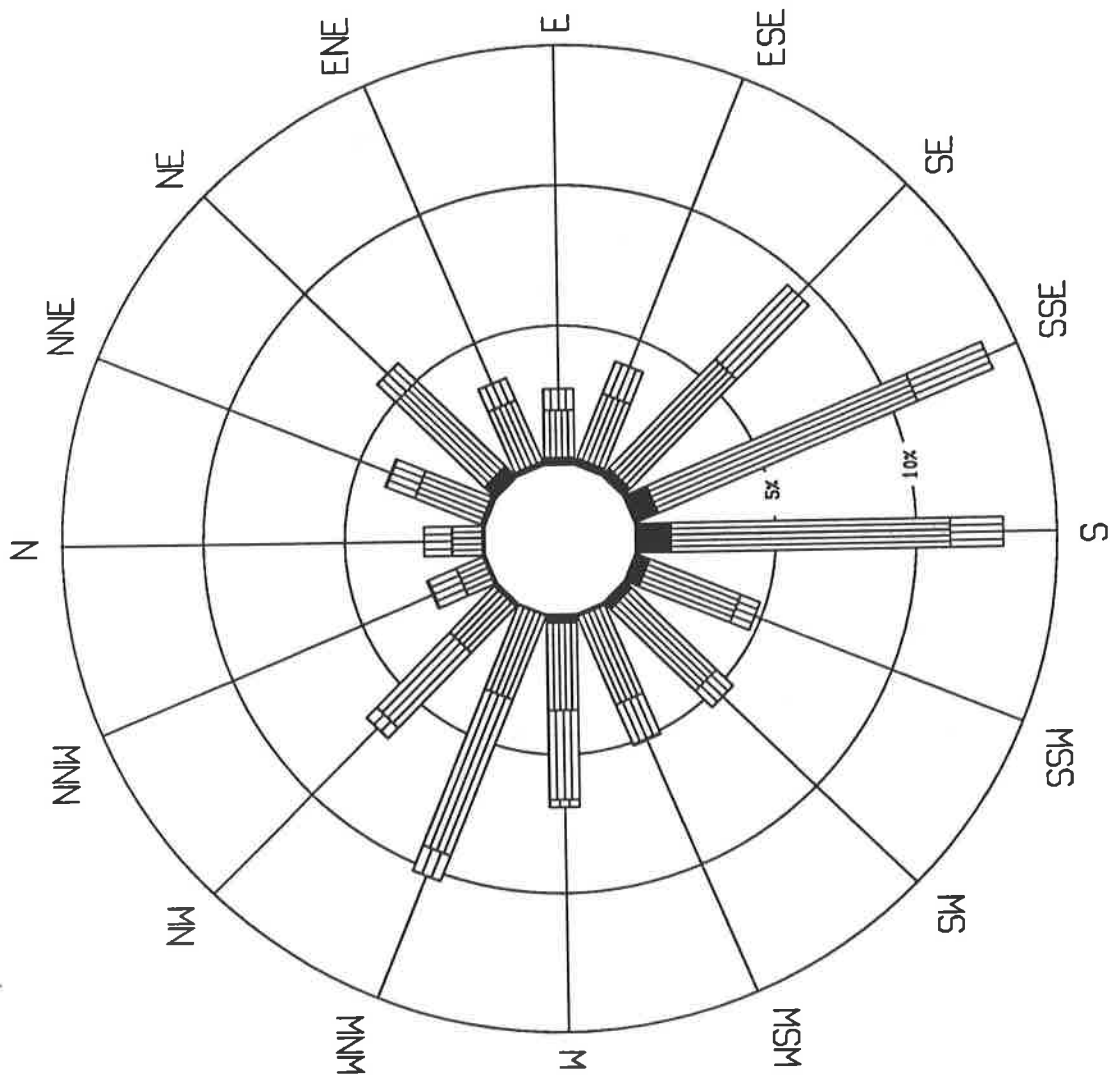
Diurnal Ozone Plot

SAGUARO NATIONAL MONUMENT - JUL/AUG/SEP 1989

Run: 31-DEC-90



NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/JUL/89 - 30/SEP/89



OZONE
 PARTS PER MILLION

[Solid black]	0.000-0.024
[Vertical lines]	0.025-0.049
[Horizontal lines]	0.050-0.074
[Diagonal lines \]	0.075-0.099
[Diagonal lines /]	0.100-0.124
[Cross-hatch]	0.125-0.149
[Stippled]	0.150-0.174
[White]	>=0.175

 * FINAL DATA *
 * AS OF 4/SEP/90 *
 * *****

JOINT FREQUENCY DISTRIBUTION OF OZONE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JUL-89 to 30-SEP-89

[Number of Occurrences]

RESULTANT DIRECTION [61104]
 (DEGREES, COMPASS)

OZONE [44201]
 (PARTS PER MILLION)

	0.000-0.	0.025-0.	0.050-0.	0.075-0.	0.100-0.	0.125-0.	0.150-0.	>=0.175	TOTAL	AVG O3
N										
NNE	2	21	19	0	0	0	0	0	42	0.047
NE	3	49	21	1	0	0	0	0	74	0.043
ENE	11	85	18	0	0	0	0	0	114	0.040
E	3	46	17	0	0	0	0	0	66	0.041
ESE	5	33	15	0	0	0	0	0	53	0.041
SE	5	43	24	0	0	0	0	0	77	0.043
SSE	7	105	71	0	0	0	0	0	183	0.045
S	13	193	56	0	0	0	0	0	267	0.040
SSW	25	191	35	0	0	0	0	0	252	0.038
SW	11	67	14	0	0	0	0	0	92	0.040
WSW	7	31	16	0	0	0	0	0	104	0.039
W	2	66	30	1	0	0	0	0	99	0.044
WNW	6	60	62	5	0	0	0	0	133	0.049
NW	1	62	116	19	0	0	0	0	193	0.056
NNW	3	44	72	10	0	0	0	0	129	0.054
	2	20	21	1	0	0	0	0	44	0.043
TOTAL	111	1171	603	37	0	0	0	0	1927	0.044

Aerovironment Inc.

*
* FINAL DATA *
* AS OF 4/SEP/90 *
*

JOINT FREQUENCY DISTRIBUTION OF OZONE VS RESULTANT DIRECTION
NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
SITE (31) - SAGUARO NM, TUCSON, AZ
01-JUL-89 to 30-SEP-89

[Percentage of Occurrences]

RESULTANT DIRECTION (DEGREES, COMPASS)	OZONE [44201] (PARTS PER MILLION)								TOTAL
	0.000-0.	0.025-0.	0.050-0.	0.075-0.	0.100-0.	0.125-0.	0.150-0.	>=0.175	
N	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	2.2
NNE	0.2	2.5	1.1	0.1	0.0	0.0	0.0	0.0	3.3
NE	0.6	4.4	0.9	0.0	0.0	0.0	0.0	0.0	5.9
ENE	0.2	2.4	0.9	0.0	0.0	0.0	0.0	0.0	3.4
E	0.3	1.7	0.8	0.0	0.0	0.0	0.0	0.0	2.9
ESE	0.3	2.5	1.2	0.0	0.0	0.0	0.0	0.0	4.0
SE	0.4	5.4	3.7	0.0	0.0	0.0	0.0	0.0	9.5
SSE	0.9	10.0	2.9	0.0	0.0	0.0	0.0	0.0	13.9
S	1.3	9.9	1.9	0.0	0.0	0.0	0.0	0.0	13.1
SSW	0.6	3.5	0.7	0.0	0.0	0.0	0.0	0.0	4.9
SW	0.4	4.2	0.8	0.0	0.0	0.0	0.0	0.0	5.4
WSW	0.1	3.4	1.6	0.1	0.0	0.0	0.0	0.0	5.1
W	0.3	3.1	3.2	0.3	0.0	0.0	0.0	0.0	6.9
WNW	0.1	3.2	6.0	1.0	0.0	0.0	0.0	0.0	10.3
NW	0.2	2.3	3.7	0.5	0.0	0.0	0.0	0.0	6.7
NNW	0.1	1.0	1.1	0.1	0.0	0.0	0.0	0.0	2.3
TOTAL	5.8	60.8	31.6	1.9	0.0	0.0	0.0	0.0	100.0

[Program: EDMS_FREDDIST

Version: LC:08-JAN-90]

NAAQS Sulfur Dioxide exceedances or highest 10 values

Saguaro National Monument

JUL - SEP 1989

Date	Hour	SO2 (ppm)
08-SEP-89	21	.010
30-SEP-89	23	.010
09-SEP-89	20	.009
12-SEP-89	22	.009
21-SEP-89	21	.009
24-SEP-89	20	.009
31-AUG-89	21	.008
19-SEP-89	21	.008
25-AUG-89	21	.007
04-SEP-89	21	.007

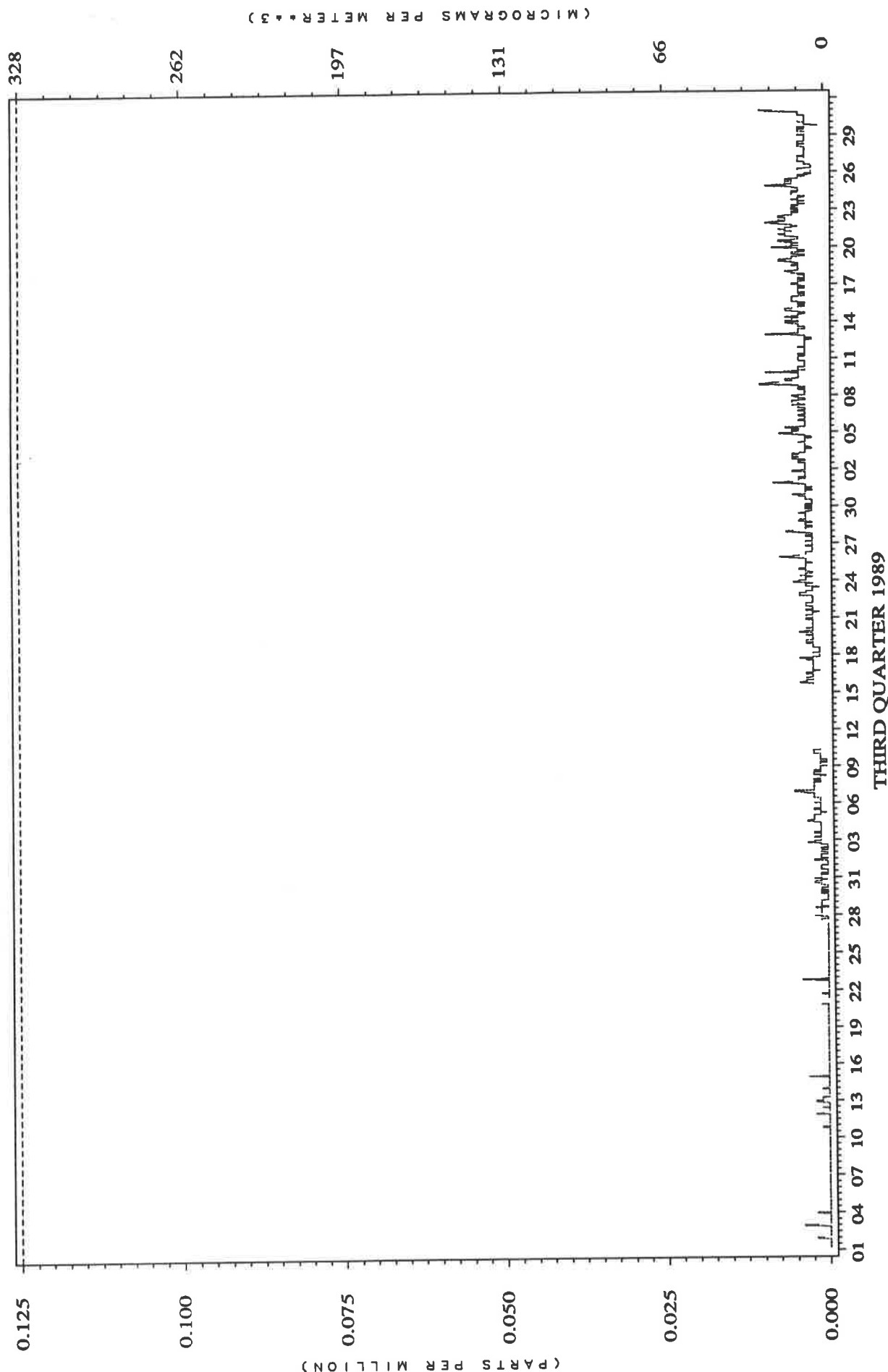
"The national primary ambient air quality standards for sulfur oxides measured as sulfur dioxide by the reference method described in Appendix A to this part, or by an equivalent method, are:

- (a) 80 micrograms per cubic meter (0.03 p.p.m.) - annual arithmetic mean.
- (b) 365 micrograms per cubic meter (0.14 p.p.m.) - Maximum 24-hour concentration not to be exceeded more than once a year." [40 CFR 50.4]

"The national secondary ambient air quality standard for sulfur oxide measured as sulfur dioxide by the reference method described in Appendix A to this part, or by any equivalent method is 1,300 micrograms per cubic meter (0.5 p.p.m.) maximum 3-hour concentration not to be exceeded more than once a year." [40 CFR 50.5]

[Run Date: 13-NOV-91]

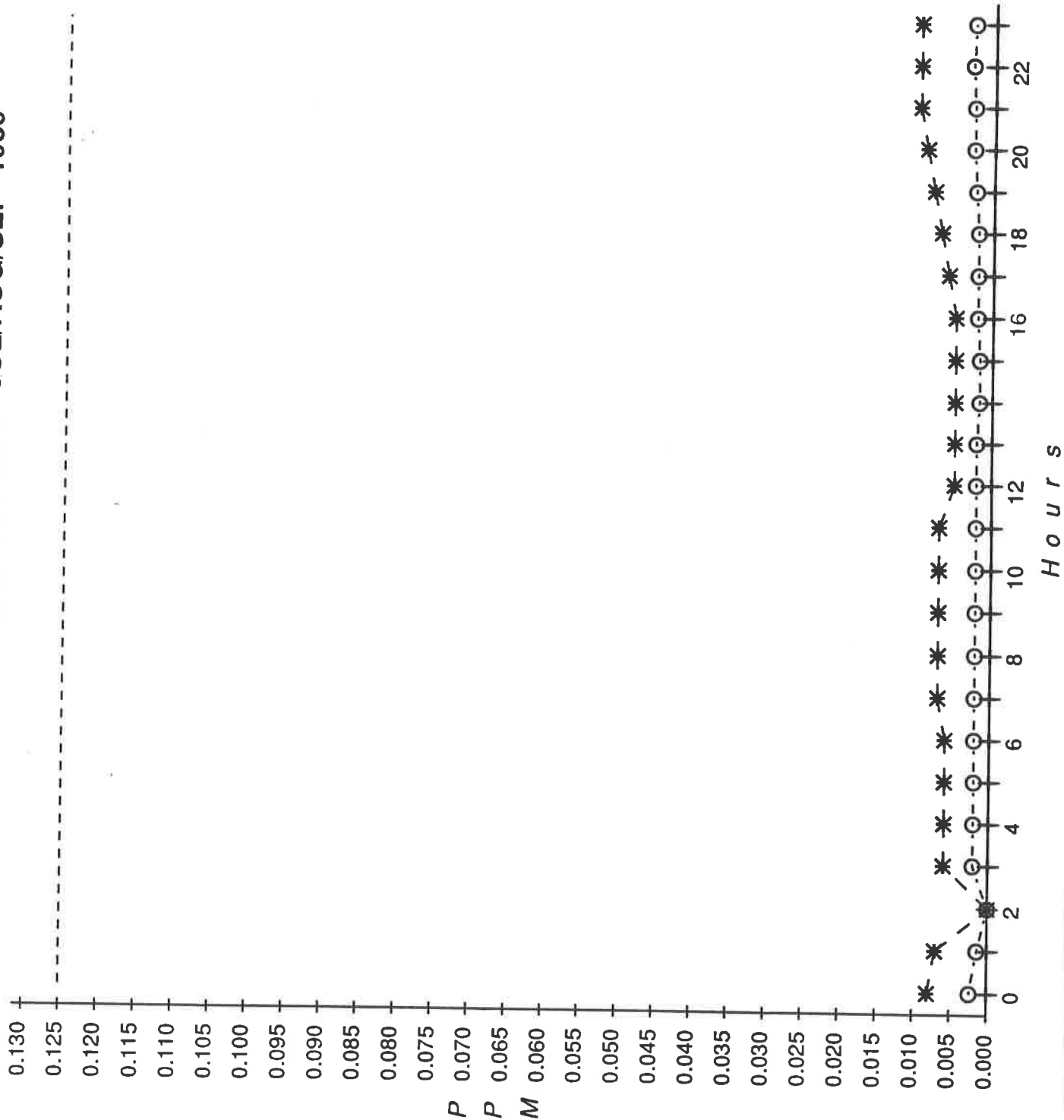
HOURLY DATA - SULFUR DIOXIDE SAGUARO NATIONAL MONUMENT JUL TO SEP 1989



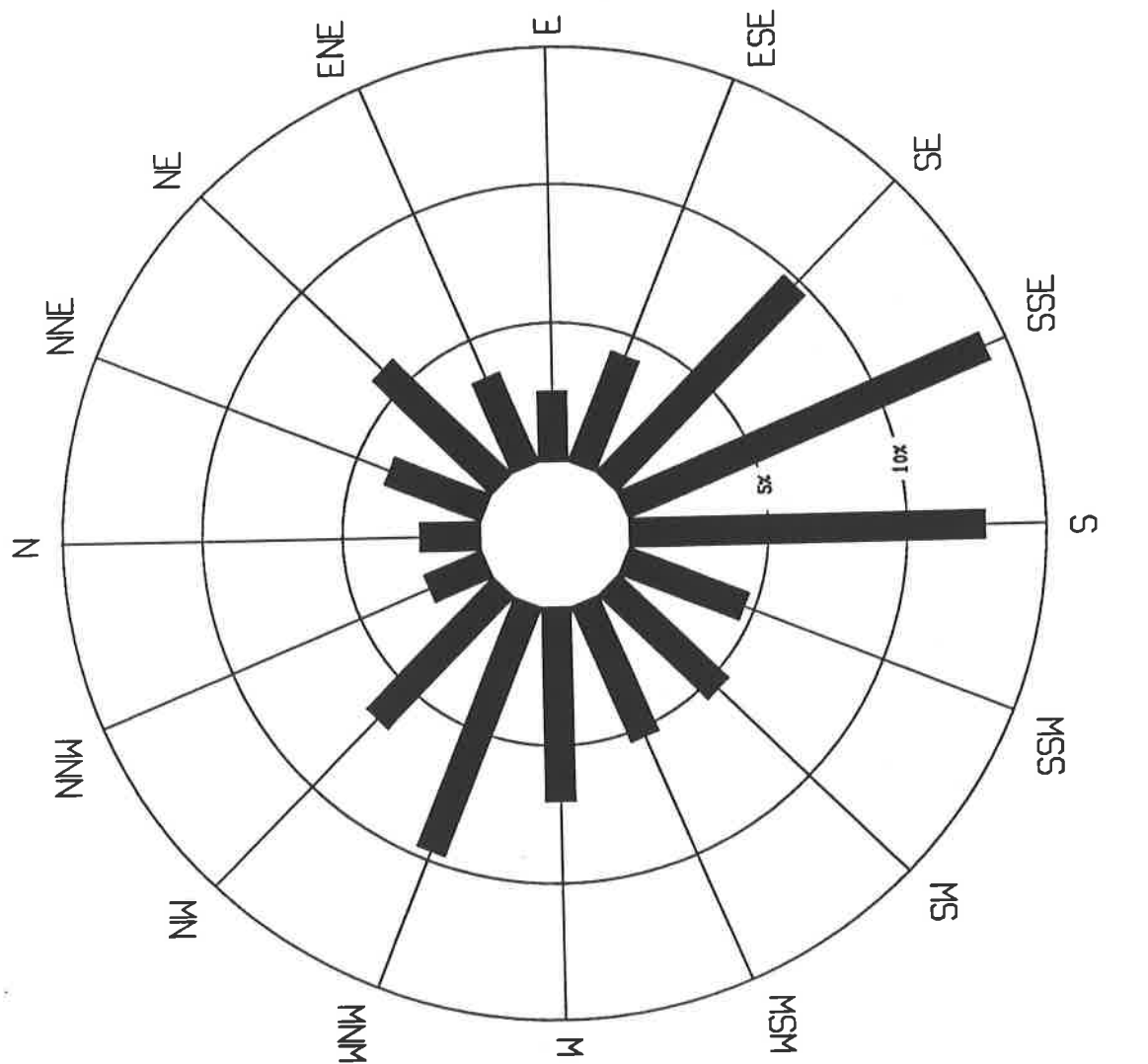
Diurnal Sulfur Dioxide Plot

SAGUARO NATIONAL MONUMENT - JUL/AUG/SEP 1989

Run: 31-DEC-90



NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/JUL/89 - 30/SEP/89



 *
 * FINAL DATA *
 * AS OF 4/SEP/90 *
 *

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-JUL-89 to 30-SEP-89

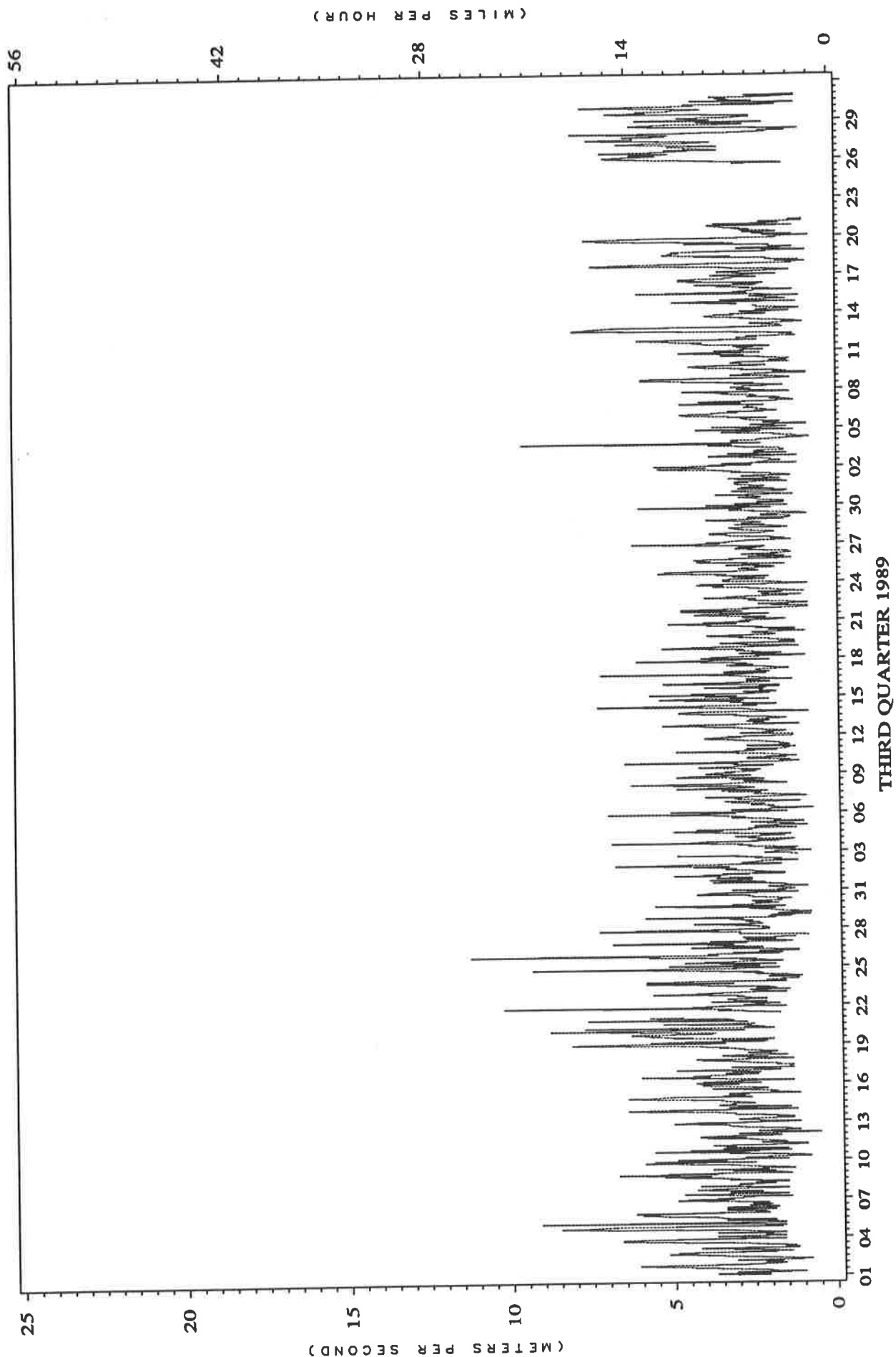
[Percentage of Occurrences]

RESULTANT DIRECTION [61104]
 (DEGREES, COMPASS)

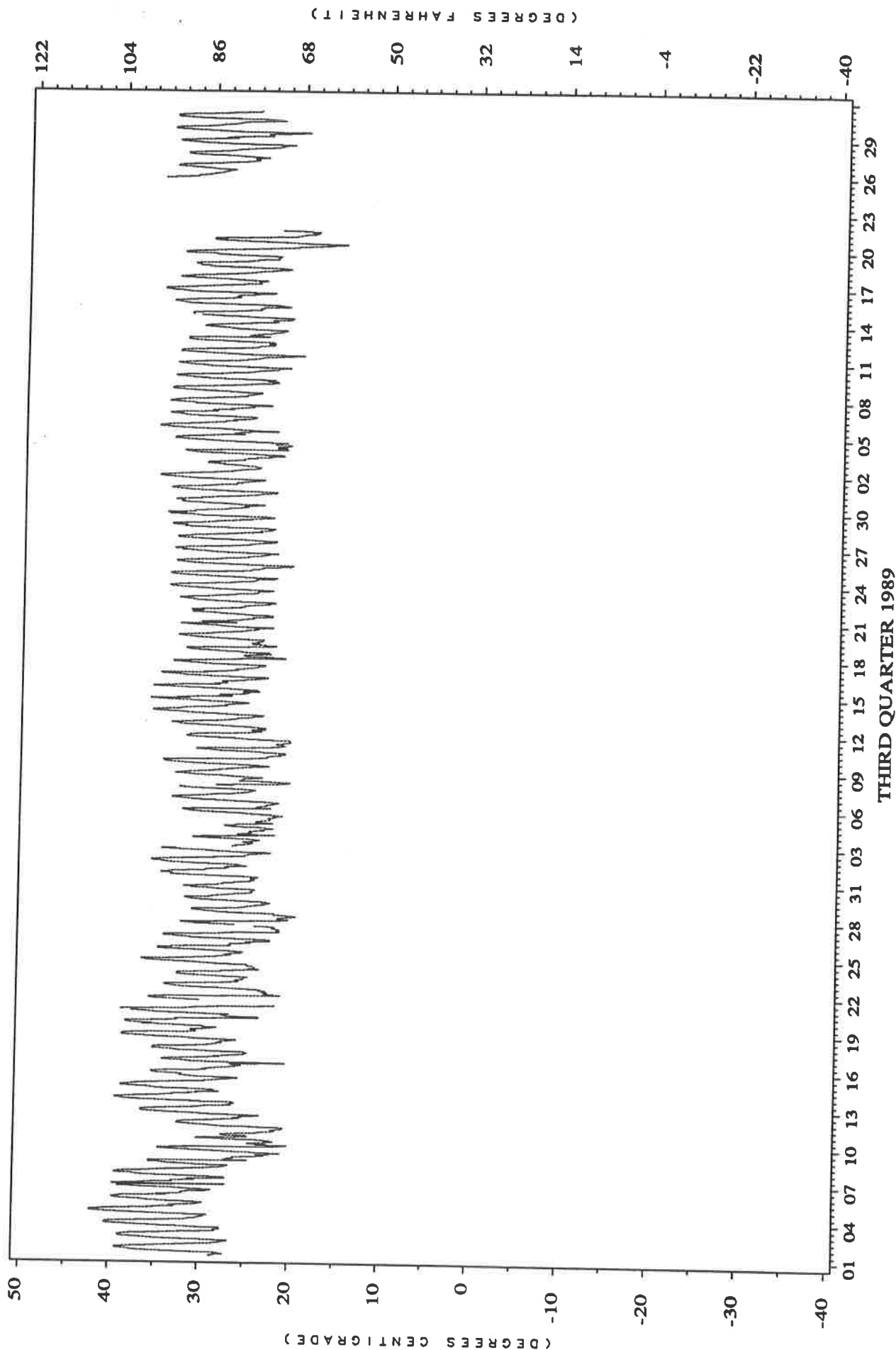
WIND SPEED [61101]
 (METERS/SECOND)

	< 0.5	0.5-1	1-3	4-6	7-9	10-12	13-15	16-18	>=19	TOTAL
N	0.0	0.0	2.0	0.1	0.0	0.0	0.0	0.0	0.0	2.2
NNE	0.0	0.2	2.3	0.7	0.0	0.0	0.0	0.0	0.0	3.7
NE	0.0	0.2	5.3	0.3	0.0	0.0	0.0	0.0	0.0	5.9
ENE	0.0	0.1	3.0	0.4	0.0	0.0	0.0	0.0	0.0	3.5
E	0.0	0.2	2.3	0.2	0.0	0.0	0.0	0.0	0.0	3.2
ESE	0.0	0.0	2.9	1.0	0.0	0.0	0.0	0.0	0.0	4.0
SE	0.0	0.2	5.9	3.3	0.6	0.0	0.0	0.0	0.0	10.0
SSE	0.0	0.2	12.0	2.6	0.0	0.0	0.0	0.0	0.0	14.3
S	0.0	0.2	12.0	1.2	0.1	0.0	0.0	0.0	0.0	13.6
SSW	0.0	0.1	4.2	0.3	0.0	0.0	0.0	0.0	0.0	4.6
SW	0.0	0.2	3.4	1.2	0.4	0.0	0.0	0.0	0.0	5.3
WSW	0.0	0.1	3.9	0.3	0.1	0.0	0.0	0.0	0.0	4.9
W	0.0	0.2	5.1	1.1	0.0	0.0	0.0	0.0	0.0	6.4
WNW	0.0	0.0	7.2	2.2	0.1	0.0	0.0	0.0	0.0	9.6
NW	0.0	0.1	4.3	1.2	0.1	0.0	0.0	0.0	0.0	6.2
NNW	0.0	0.0	1.3	0.2	0.0	0.0	0.0	0.0	0.0	2.1
TOTAL	0.0	2.2	79.1	17.0	1.6	0.1	0.0	0.0	0.0	100.0

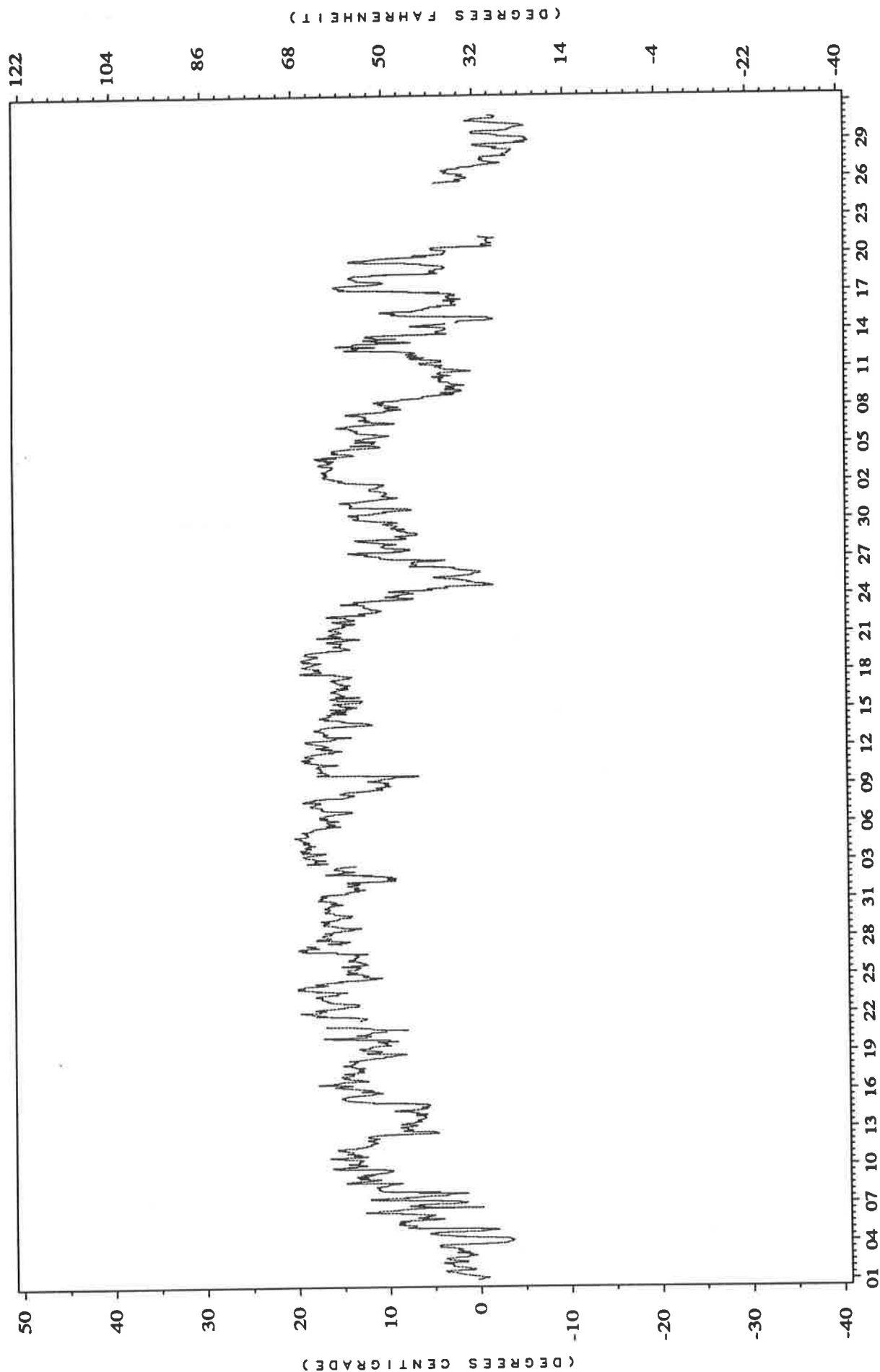
HOURLY DATA - SCALAR WIND SPEED
SAGUARO NATIONAL MONUMENT
JUL TO SEP 1989



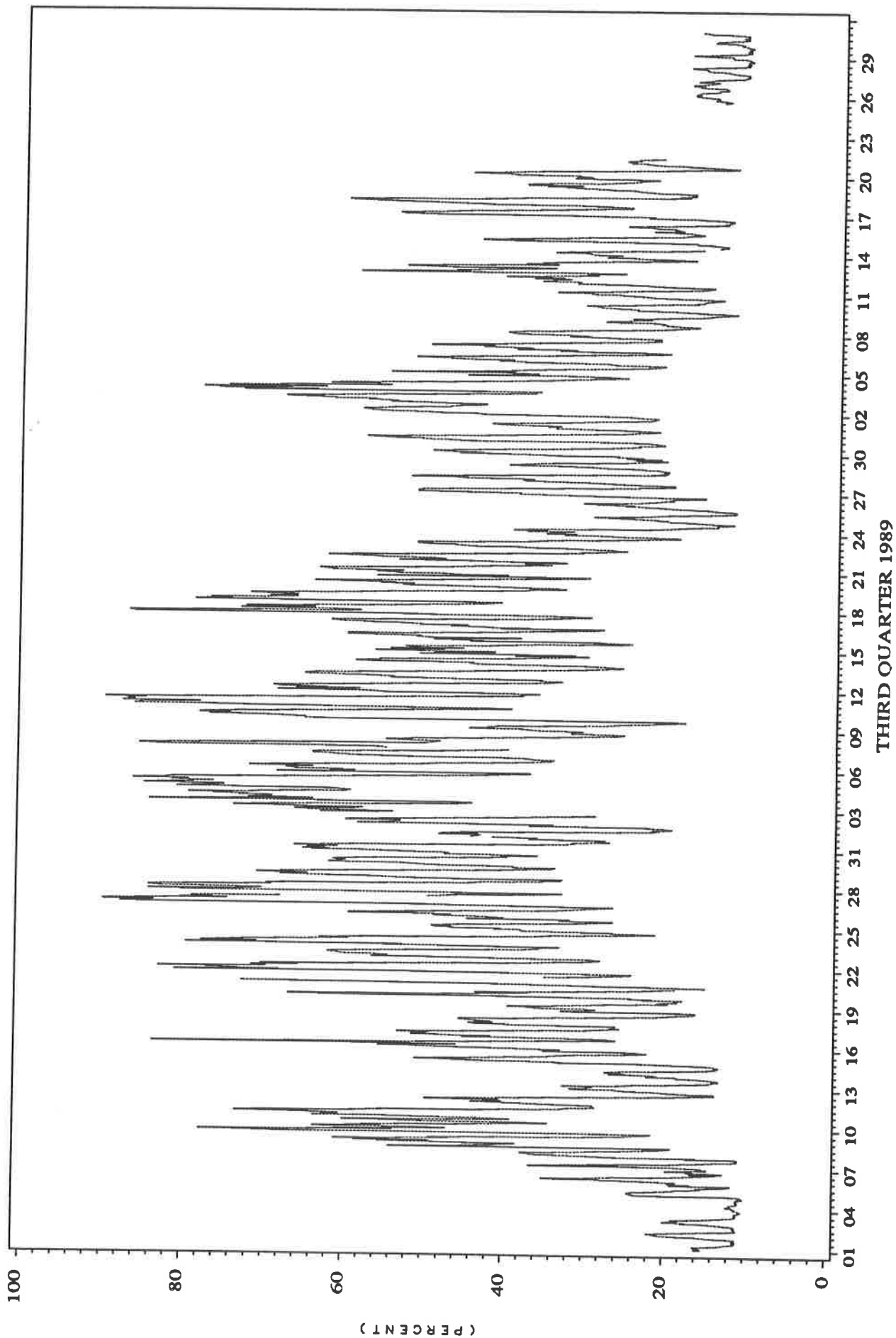
HOURLY DATA - TEMPERATURE
SAGUARO NATIONAL MONUMENT
JUL TO SEP 1989



HOURLY DATA - DEW POINT TEMPERATURE
SAGUARO NATIONAL MONUMENT
JUL TO SEP 1989



HOURLY DATA - RELATIVE HUMIDITY
SAGUARO NATIONAL MONUMENT
JUL TO SEP 1989



4TH QUARTER DATA SUMMARIES SECTION

Recovery Percentages for OCT - DEC 89

Saguaro National Monument

Sulfur Dioxide :	91.8 %
Ozone :	91.8 %
Scalar Wind Speed :	94.0 %
Resultant Wind Speed :	94.0 %
Resultant Wind Direction :	94.0 %
Temperature :	94.0 %
Dew Point Temperature :	94.0 %
Solar Radiation :	94.0 %
Precipitation :	94.4 %
Station Temperature :	94.5 %

[Run Date: 13-NOV-91]

NAAQS Ozone exceedances or highest 10 values

Saguaro National Monument

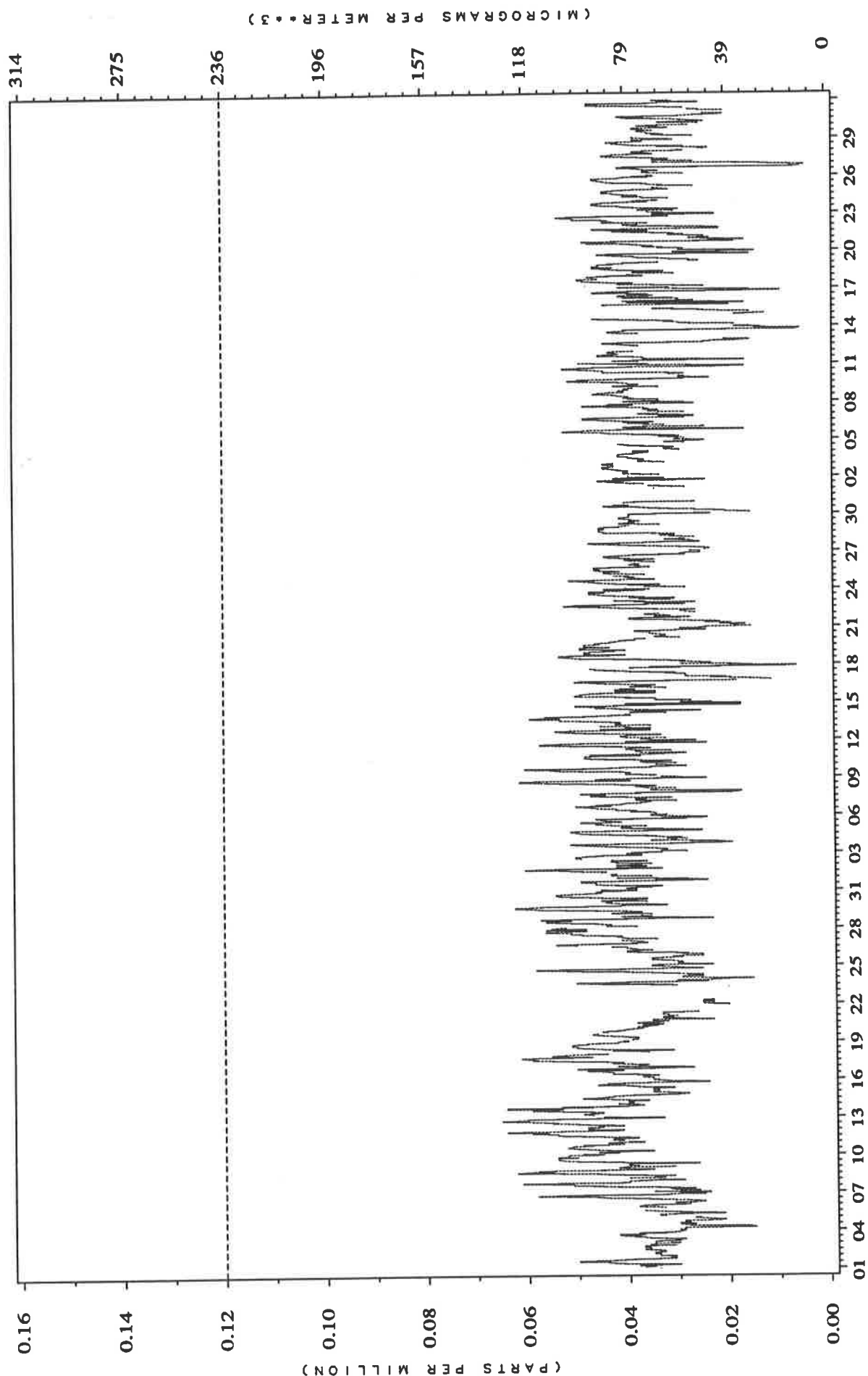
OCT - DEC 1989

Date	Hour	Ozone (ppm)
12-OCT-89	16	.065
11-OCT-89	19	.064
13-OCT-89	15	.064
08-OCT-89	13	.062
29-OCT-89	13	.062
07-OCT-89	16	.061
17-OCT-89	15	.061
08-NOV-89	14	.061
01-NOV-89	14	.060
09-NOV-89	15	.060

"The level of the national primary and secondary ambient air quality standards for ozone measured by a reference method based on Appendix D to this part and designated in accordance with part 53 of this chapter, is 0.12 part per million (235 ug/m3). The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 part per million (235 ug/m3) is equal to or less than 1, as determined by Appendix H." [40 CFR 50.9]

[Run Date: 13-NOV-91]

HOURLY DATA - OZONE SAGUARO NATIONAL MONUMENT OCT TO DEC 1989

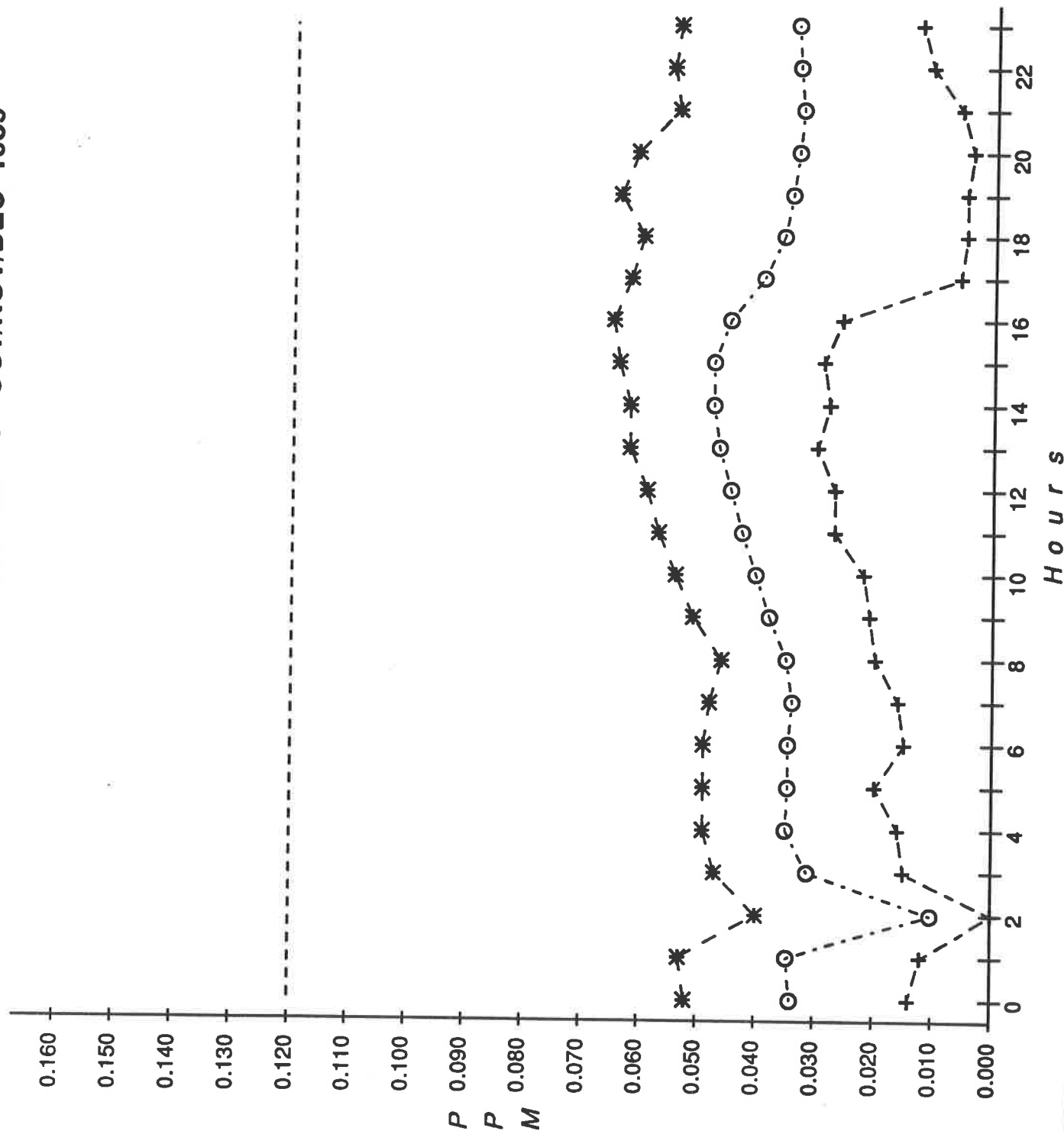


FOURTH QUARTER 1989

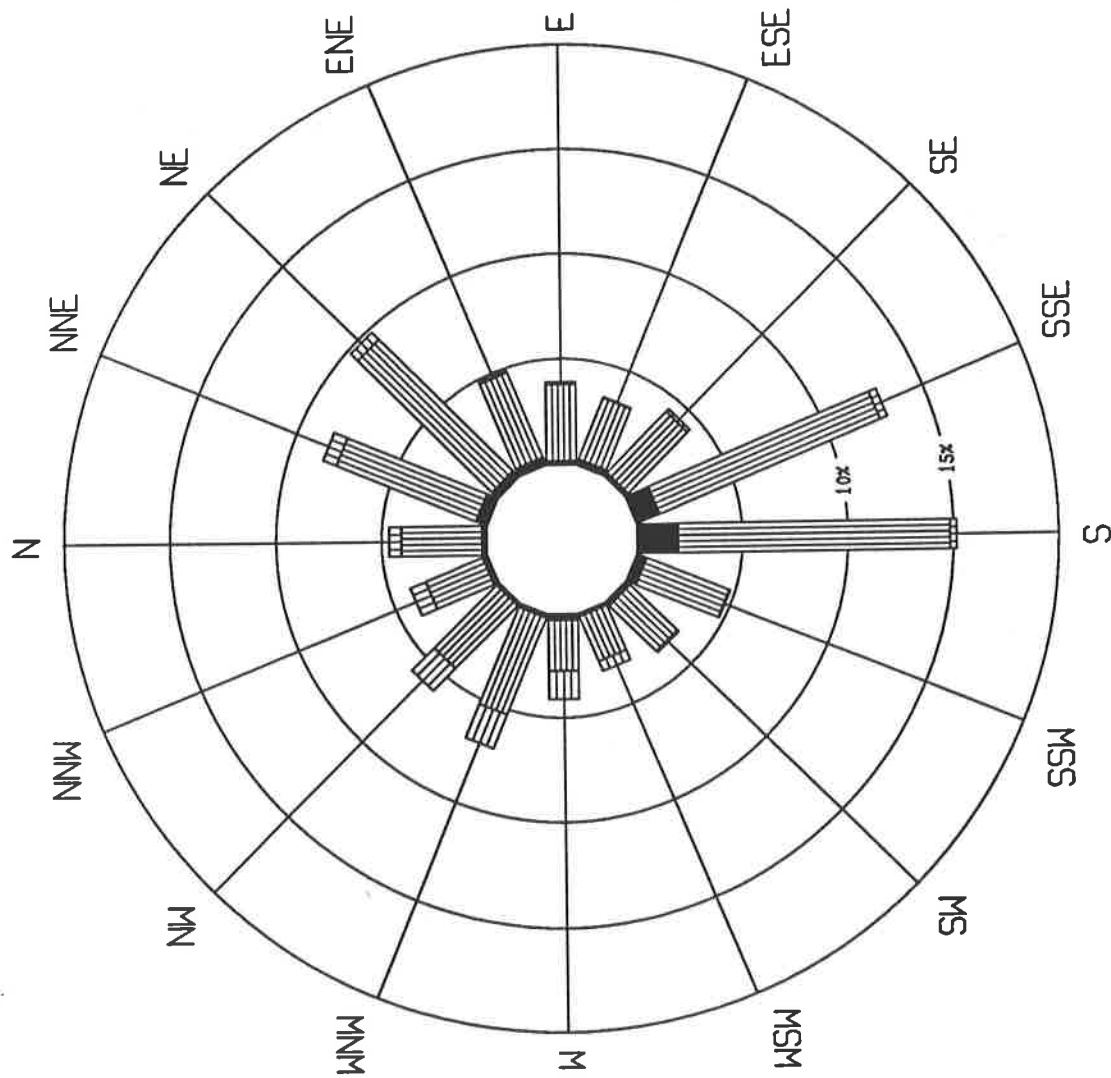
Diurnal Ozone Plot

SAGUARO NATIONAL MONUMENT - OCT/NOV/DEC 1989

Run: 13-NOV-91



NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/OCT/89 - 31/DEC/89



OZONE
 PARTS PER MILLION

0.000-0.024
0.025-0.049
0.050-0.074
0.075-0.099
0.100-0.124
0.125-0.149
0.150-0.174
>=0.175

 * FINAL DATA *
 * AS OF 21/NOV/91 *
 * *****

JOINT FREQUENCY DISTRIBUTION OF OZONE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-OCT-89 to 31-DEC-89

[Number of Occurrences]

RESULTANT DIRECTION [61104] (DEGREES, COMPASS)		OZONE [44201] (PARTS PER MILLION)										TOTAL	Avg O3
		0.000-0.	0.025-0.	0.050-0.	0.075-0.	0.100-0.	0.125-0.	0.150-0.	>=0.175				
N													
NNE	5	73	11	0	0	0	0	0	0	0	0	89	0.039
NE	11	136	13	0	0	0	0	0	0	0	0	160	0.040
ENE	8	170	9	0	0	0	0	0	0	0	0	187	0.038
E	8	83	2	0	0	0	0	0	0	0	0	93	0.036
ESE	4	69	2	0	0	0	0	0	0	0	0	75	0.037
SE	6	59	1	0	0	0	0	0	0	0	0	66	0.035
SSE	4	77	3	0	0	0	0	0	0	0	0	84	0.036
S	23	216	7	0	0	0	0	0	0	0	0	246	0.035
SSW	38	245	6	0	0	0	0	0	0	0	0	289	0.033
SW	10	30	1	0	0	0	0	0	0	0	0	91	0.035
WSW	5	60	2	0	0	0	0	0	0	0	0	67	0.039
W	3	45	10	0	0	0	0	0	0	0	0	53	0.041
WNW	6	47	26	0	0	0	0	0	0	0	0	79	0.044
NW	4	96	33	0	0	0	0	0	0	0	0	133	0.044
NNW	3	81	29	0	0	0	0	0	0	0	0	113	0.043
	5	56	15	0	0	0	0	0	0	0	0	76	0.042
TOTAL	143	1593	170	0	0	0	0	0	0	0	0	1906	0.038

 * FINAL DATA *
 * AS OF 21/NOV/91 *
 * *****

JOINT FREQUENCY DISTRIBUTION OF OZONE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-OCT-89 to 31-DEC-89

[Percentage of Occurrences]

RESULTANT DIRECTION [61104] (DEGREES, COMPASS)	OZONE [44201] (PARTS PER MILLION)								TOTAL
	0.000-0.	0.025-0.	0.050-0.	0.075-0.	0.100-0.	0.125-0.	0.150-0.	>=0.175	
N									4.7
NNE	0.3	3.3	0.5	0.0	0.0	0.0	0.0	0.0	3.4
NE	0.6	7.1	0.7	0.0	0.0	0.0	0.0	0.0	9.3
NENE	0.4	3.9	0.5	0.0	0.0	0.0	0.0	0.0	4.9
E	0.2	4.4	0.1	0.0	0.0	0.0	0.0	0.0	3.9
ESE	0.3	3.5	0.1	0.0	0.0	0.0	0.0	0.0	3.5
SE	0.2	3.1	0.1	0.0	0.0	0.0	0.0	0.0	4.4
SSE	1.2	4.0	0.2	0.0	0.0	0.0	0.0	0.0	12.9
S	2.0	11.3	0.4	0.0	0.0	0.0	0.0	0.0	15.2
SSW	0.5	12.9	0.3	0.0	0.0	0.0	0.0	0.0	4.3
SW	0.3	4.2	0.1	0.0	0.0	0.0	0.0	0.0	3.5
WSW	0.2	3.1	0.1	0.0	0.0	0.0	0.0	0.0	3.0
W	0.2	2.4	0.5	0.0	0.0	0.0	0.0	0.0	4.1
WNW	0.2	2.5	1.4	0.0	0.0	0.0	0.0	0.0	7.0
NW	0.2	5.0	1.7	0.0	0.0	0.0	0.0	0.0	5.9
NNW	0.3	4.2	1.5	0.0	0.0	0.0	0.0	0.0	4.0
TOTAL	7.5	93.6	3.9	0.0	0.0	0.0	0.0	0.0	100.0

NAAQS Sulfur Dioxide exceedances or highest 10 values

Saguaro National Monument

OCT - DEC 1989

Date	Hour	SO2 (ppm)
17-NOV-89	21	.015
13-DEC-89	17	.015
26-DEC-89	18	.015
03-NOV-89	21	.014
01-DEC-89	18	.014
12-DEC-89	23	.014
14-DEC-89	0	.013
27-OCT-89	9	.012
04-NOV-89	0	.012
07-NOV-89	21	.012

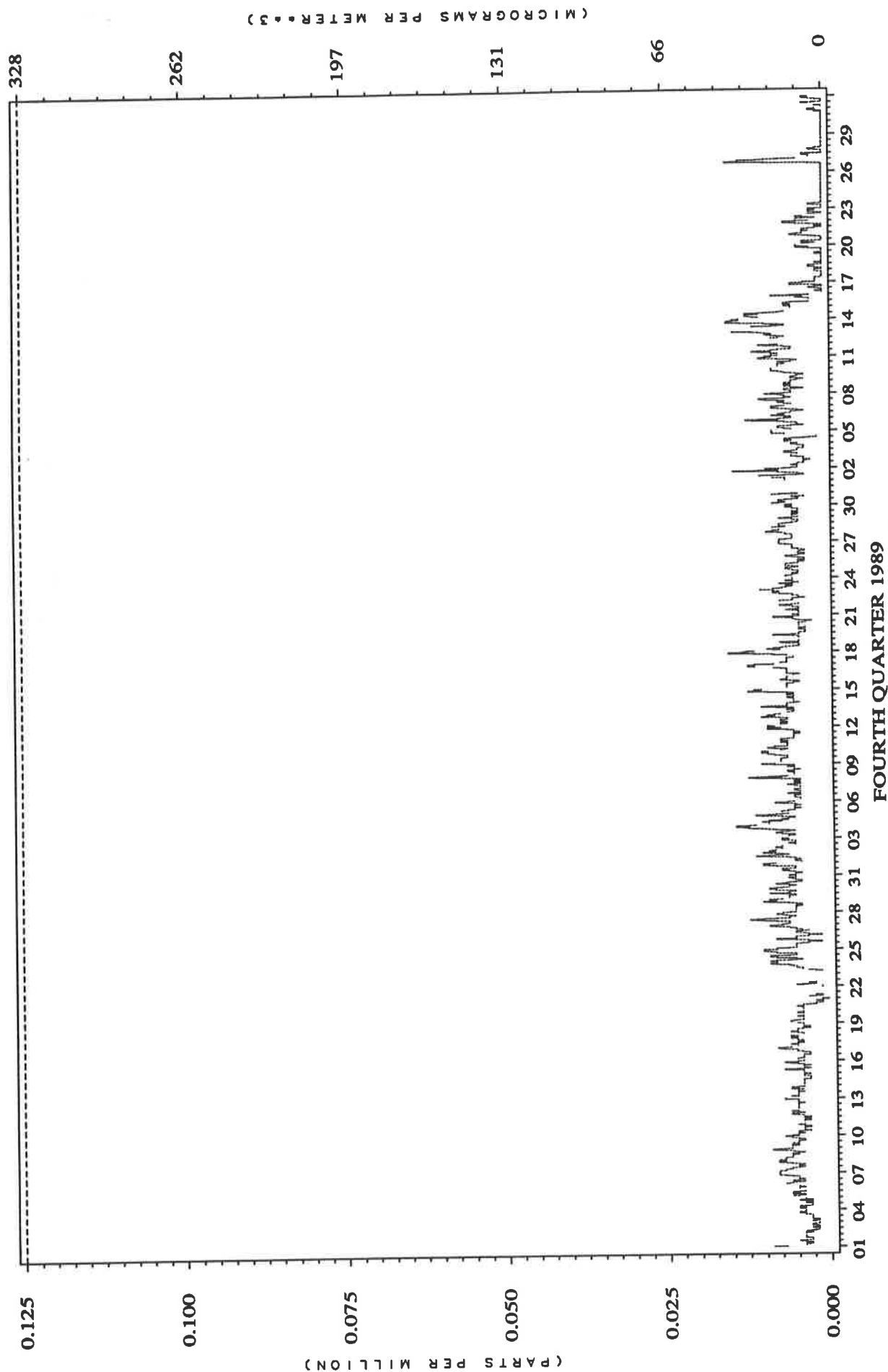
"The national primary ambient air quality standards for sulfur oxides measured as sulfur dioxide by the reference method described in Appendix A to this part, or by an equivalent method, are:

- (a) 80 micrograms per cubic meter (0.03 p.p.m.) - annual arithmetic mean.
- (b) 365 micrograms per cubic meter (0.14 p.p.m.) - Maximum 24-hour concentration not to be exceeded more than once a year." [40 CFR 50.4]

"The national secondary ambient air quality standard for sulfur oxide measured as sulfur dioxide by the reference method described in Appendix A to this part, or by any equivalent method is 1,300 micrograms per cubic meter (0.5 p.p.m.) maximum 3-hour concentration not to be exceeded more than once a year." [40 CFR 50.5]

[Run Date: 13-NOV-91]

HOURLY DATA - SULFUR DIOXIDE SAGUARO NATIONAL MONUMENT OCT TO DEC 1989



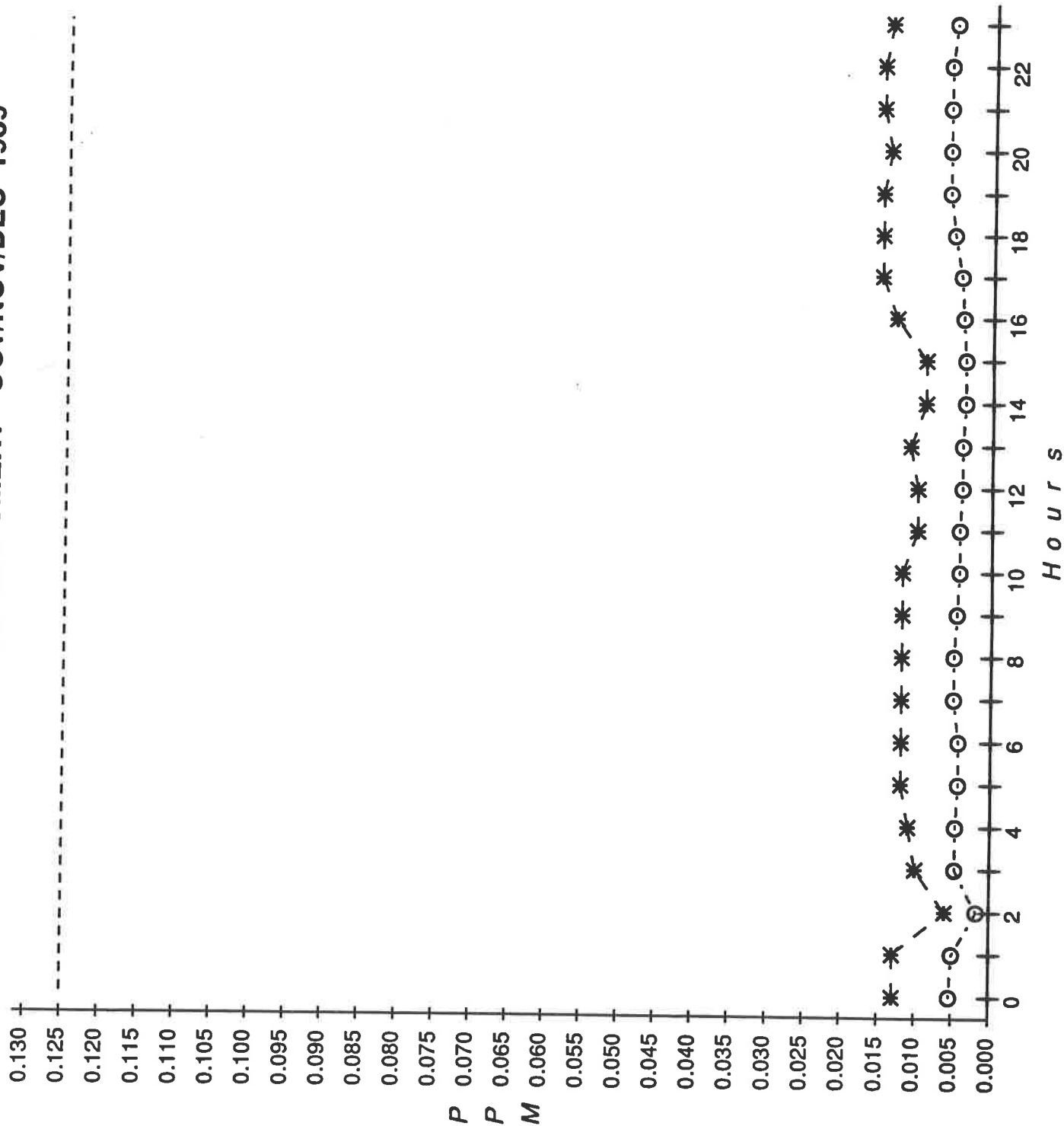
--- 25% OF THE NAAQS

[Run Date: 13-NOV-91]

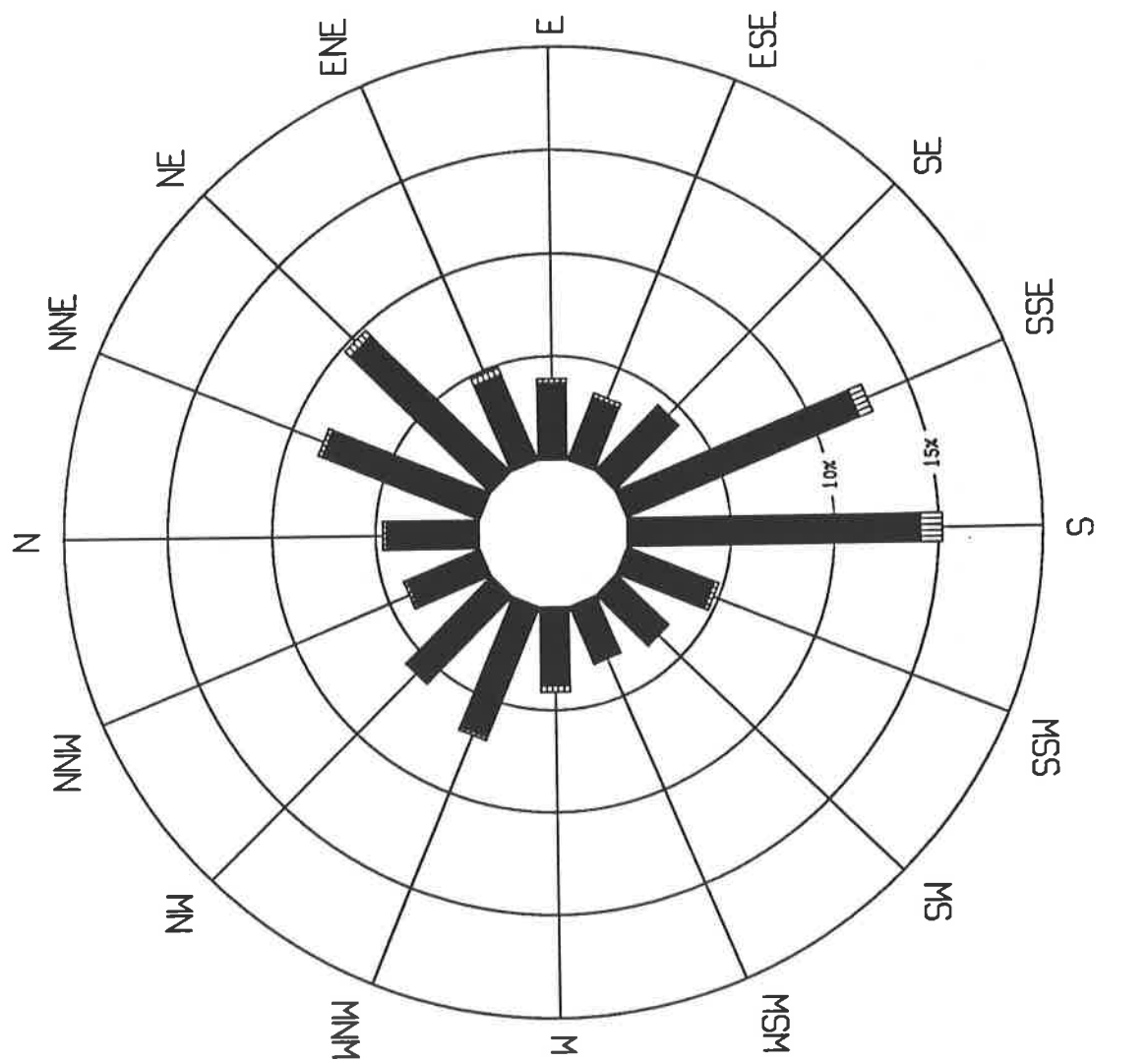
Diurnal Sulfur Dioxide Plot

SAGUARO NATIONAL MONUMENT - OCT/NOV/DEC 1989

Run: 13-NOV-91



NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/OCT/89 - 31/DEC/89



 *
 * FINAL DATA *
 * AS OF 21/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF SULFUR DIOXIDE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-OCT-89 to 31-DEC-89

[Number of Occurrences]

RESULTANT DIRECTION [61104]
 (DEGREES, COMPASS)

SULFUR DIOXIDE [42401]
 (PARTS PER MILLION)

	0.000-0.	0.010-0.	0.020-0.	0.030-0.	0.040-0.	0.050-0.	0.060-0.	>=0.070	TOTAL	AVG SO2
N	36	3	0	0	0	0	0	0	89	0.005
NNE	156	4	0	0	0	0	0	0	160	0.004
NE	130	7	0	0	0	0	0	0	137	0.005
ENE	36	7	0	0	0	0	0	0	93	0.006
E	71	4	0	0	0	0	0	0	75	0.004
ESE	62	4	0	0	0	0	0	0	66	0.005
SE	83	1	0	0	0	0	0	0	84	0.004
SSE	233	13	0	0	0	0	0	0	246	0.005
S	270	19	0	0	0	0	0	0	289	0.005
SSW	37	4	0	0	0	0	0	0	91	0.005
SW	67	0	0	0	0	0	0	0	67	0.004
WSW	56	2	0	0	0	0	0	0	58	0.005
W	73	6	0	0	0	0	0	0	79	0.005
WNW	130	3	0	0	0	0	0	0	133	0.004
NW	111	2	0	0	0	0	0	0	113	0.004
NNW	73	3	0	0	0	0	0	0	76	0.005
TOTAL	1824	82	0	0	0	0	0	0	1906	0.005

[Program: EDMS_FREDDIST

Version: LC:08-JAN-90]

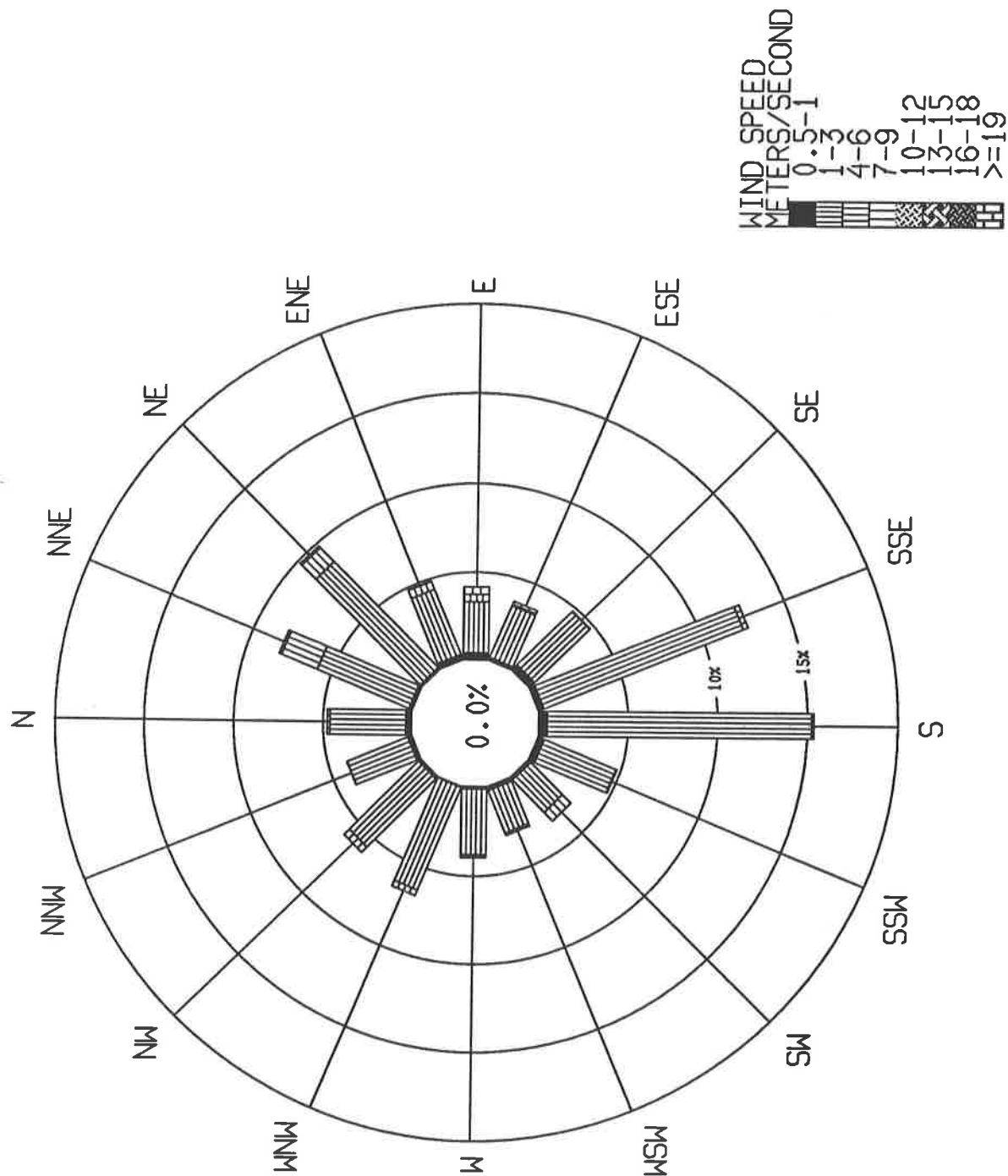
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 * FINAL DATA *
 * AS OF 21/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF SULFUR DIOXIDE VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-OCT-89 to 31-DEC-89

[Percentage of Occurrences]

RESULTANT DIRECTION [61104] (DEGREES, COMPASS)	SULFUR DIOXIDE [42401] (PARTS PER MILLION)										TOTAL
	0.000-0.	0.010-0.	0.020-0.	0.030-0.	0.040-0.	0.050-0.	0.060-0.	>=0.070			
N	4.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
NNE	8.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4
NE	9.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8
ENE	4.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9
E	3.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
ESE	3.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
SE	4.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
SSE	12.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9
S	14.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2
SSW	4.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
SW	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
WSW	2.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
W	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
WNW	6.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
NW	5.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
NNW	3.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
TOTAL	95.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK
 SAGUARO NM, TUCSON, AZ
 01/OCT/89 - 31/DEC/89



 *
 * FINAL DATA *
 * AS OF 21/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-OCT-89 to 31-DEC-89

[Number of Occurrences]

RESULTANT DIRECTION [61104] (DEGREES, COMPASS)	WIND SPEED [61101] (METERS/SECOND)										TOTAL	AVG WS
	< 0.5	0.5-1	1-3	4-6	7-9	10-12	13-15	16-18	>=19			
N	0	7	99	3	0	0	0	0	0	0	99	1.9
NNE	0	4	117	45	3	0	0	0	0	0	169	3.0
NE	0	3	175	23	3	0	0	0	0	0	204	2.5
ENE	0	7	83	10	1	0	0	0	0	0	101	2.1
E	0	9	60	9	9	0	0	0	0	0	87	2.7
ESE	0	4	66	2	4	0	0	0	0	0	76	2.2
SE	0	9	89	1	0	0	0	0	0	0	99	1.9
SSE	0	7	248	6	0	0	0	0	0	0	261	2.3
S	0	11	305	3	0	0	0	0	0	0	319	2.2
SSW	0	8	90	1	0	0	0	0	0	0	99	1.8
SW	0	4	53	14	0	0	0	0	0	0	71	2.6
WSW	0	5	53	3	0	0	0	0	0	0	61	2.0
W	0	3	76	3	1	0	0	0	0	0	83	2.3
WNW	0	1	130	7	0	0	0	0	0	0	138	2.4
NW	0	4	113	9	0	0	0	0	0	0	126	2.3
NNW	0	5	77	0	0	0	0	0	0	0	82	1.9
TOTAL	0	91	1824	139	21	0	0	0	0	0	2075	2.3

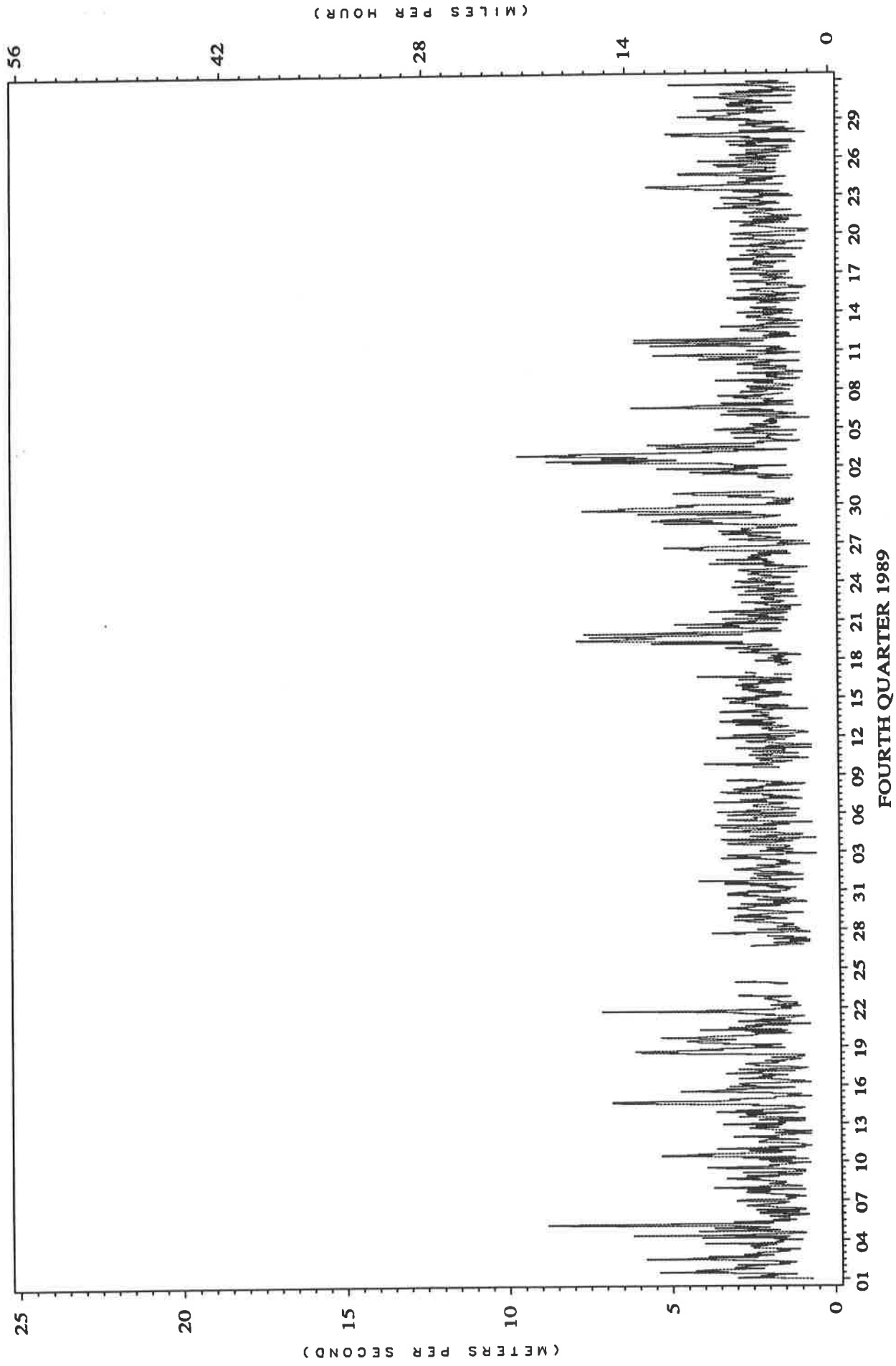
 *
 * FINAL DATA *
 * AS OF 21/NOV/91 *
 *

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED VS RESULTANT DIRECTION
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK (1)
 SITE (31) - SAGUARO NM, TUCSON, AZ
 01-OCT-89 to 31-DEC-89

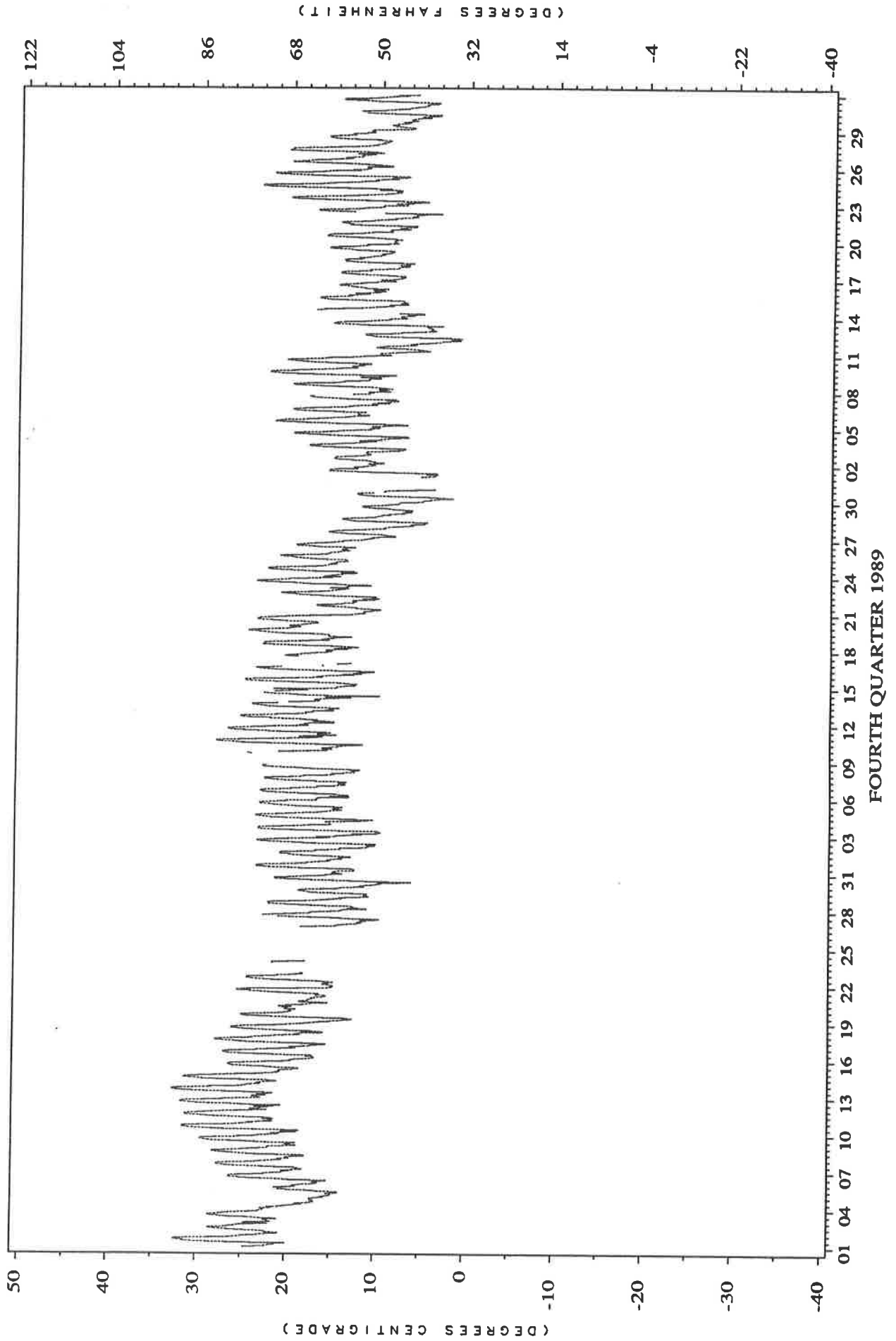
[Percentage of Occurrences]

RESULTANT DIRECTION [61104] (DEGREES, COMPASS)	WIND SPEED [61101] (METERS/SECOND)										TOTAL
	< 0.5	0.5-1	1-3	4-6	7-9	10-12	13-15	16-18	>=19		
N	0.0	0.3	4.3	0.1	0.0	0.0	0.0	0.0	0.0	4.3	
NNE	0.0	0.2	5.6	2.2	0.1	0.0	0.0	0.0	0.0	8.1	
NE	0.0	0.1	3.4	1.1	0.1	0.0	0.0	0.0	0.0	9.3	
ENE	0.0	0.3	4.0	0.5	0.0	0.0	0.0	0.0	0.0	4.9	
E	0.0	0.4	2.9	0.4	0.4	0.0	0.0	0.0	0.0	4.2	
ESE	0.0	0.2	3.2	0.1	0.2	0.0	0.0	0.0	0.0	3.7	
SE	0.0	0.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	4.8	
SSE	0.0	0.3	12.0	0.3	0.0	0.0	0.0	0.0	0.0	12.6	
S	0.0	0.5	14.7	0.1	0.0	0.0	0.0	0.0	0.0	15.4	
SSW	0.0	0.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	4.8	
SW	0.0	0.2	2.6	0.7	0.0	0.0	0.0	0.0	0.0	3.4	
WSW	0.0	0.2	2.6	0.1	0.0	0.0	0.0	0.0	0.0	2.9	
W	0.0	0.1	3.7	0.1	0.0	0.0	0.0	0.0	0.0	4.0	
WNW	0.0	0.0	6.3	0.3	0.0	0.0	0.0	0.0	0.0	6.7	
NW	0.0	0.2	5.4	0.4	0.0	0.0	0.0	0.0	0.0	6.1	
NNW	0.0	0.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	4.0	
TOTAL	0.0	4.4	87.9	6.7	1.0	0.0	0.0	0.0	0.0	100.0	

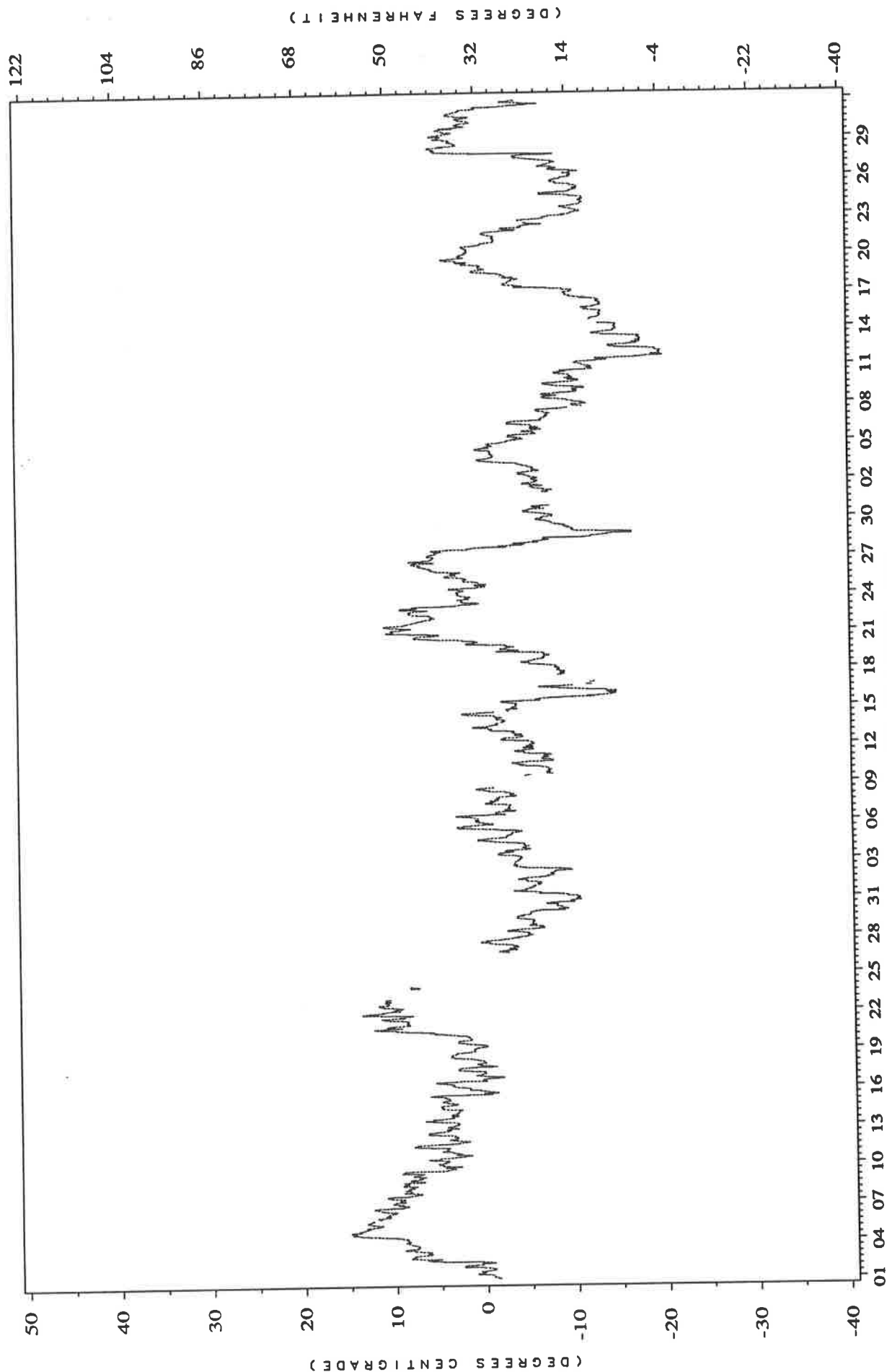
HOURLY DATA - SCALAR WIND SPEED
SAGUARO NATIONAL MONUMENT
OCT TO DEC 1989



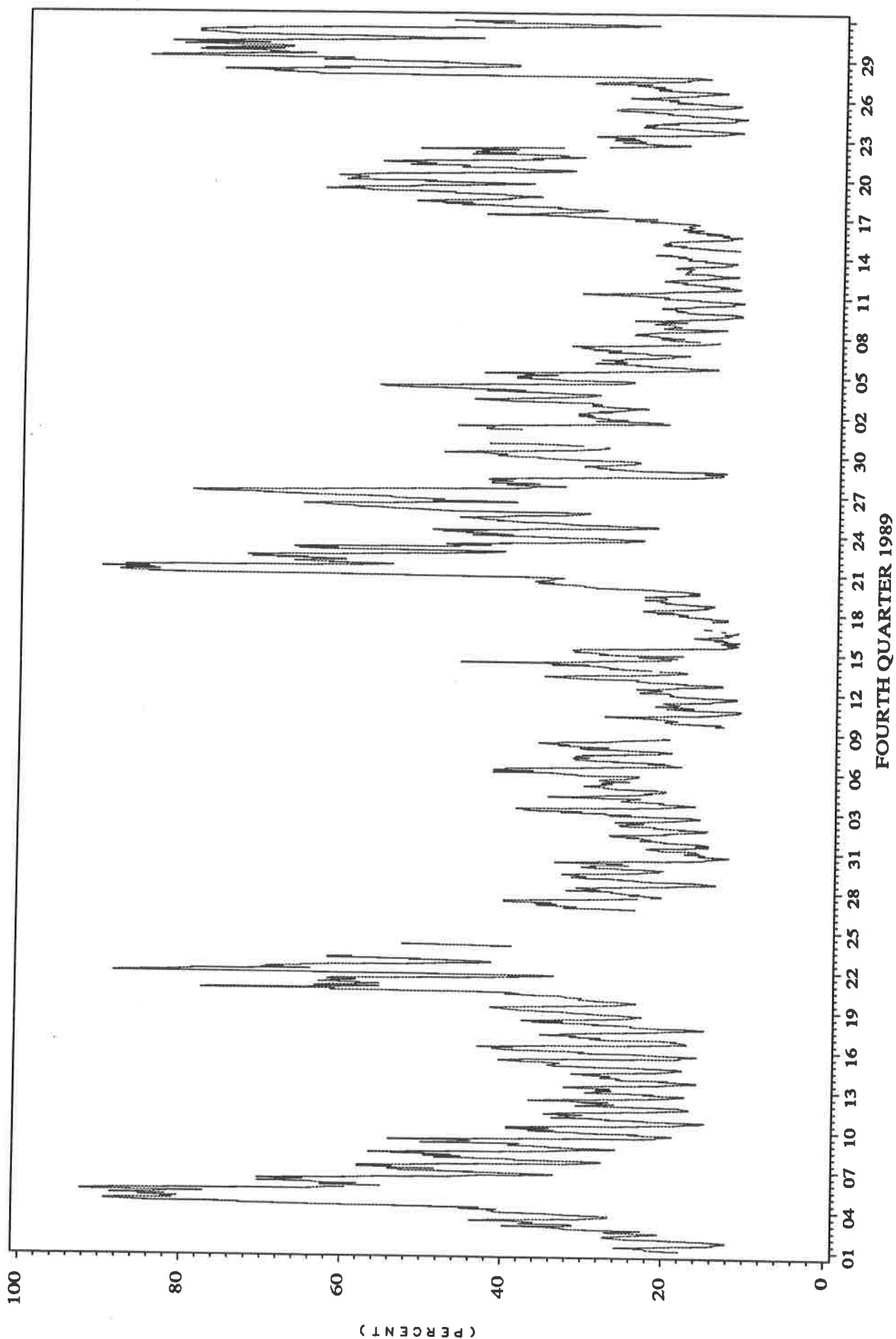
HOURLY DATA - TEMPERATURE
SAGUARO NATIONAL MONUMENT
OCT TO DEC 1989



HOURLY DATA - DEW POINT TEMPERATURE
SAGUARO NATIONAL MONUMENT
OCT TO DEC 1989



HOURLY DATA - RELATIVE HUMIDITY
SAGUARO NATIONAL MONUMENT
OCT TO DEC 1989



MONTHLY DATA SECTION

MISSING DATA CODES

BM	Begin Monitoring
CA	Calibration
EM	End Monitoring
IM	Instrument Malfunction (not discovered until after data had been collected)
IN	Interference (acts of nature)
IW	Instrument Warmup
LI	Local Interference
MT	Maintenance (preventive maintenance, changing chart paper, replacing instrument parts)
NA	No Data
OE	Operator Error
OR	Out for Repair
OS	Off Scale (at top of chart, data is presumed good)
PA	Performance Audit
PC	Precision Check
PF	Power Failure (generator failure)
RF	Recording System Failure (chart jams, chart runs out, or data acquisition system fails)
SA	System Audit
SC	Station Check (precision check and instrument zero/span check)
TH	Station temperature > 30 degrees C
TL	Station temperature < 20 degrees C
TO	Sample Time Out of Limits
ZS	Instrument Zero/Span check

1 OZONE (44201)
2
3 PARTS PER MILLION

5. SITE

6 APR, 1989

AEROVIRONMENT INC.

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*****
*                                     *
* PRELIMINARY DATA                 *
* AS OF 7/JUN/69                   *
*                                     *
*****
*                                     *
* SUBJECT TO                        *
* REVISION                         *
*                                     *
*****

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18

9

CLOCK HOUR (LOCAL STANDARD TIME)

17

16

15

14

10

11

BY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	.040	.041 [ZS]	.039	.038	.037	.037	.038	.040	.040	.042	.044	.041	.036	.037	.039	.039	.039	.040	.040	.039	.033	.028	.023	.038	.044	
2	.025	.024 [ZS]	.025	.028	.034	.033	.035	.041	.043	.043	.045	.046	.044	.042	.042	.041	.039	.037	.038	.038	.033	.029	.032	.036	.048	
3	.034	.039 [ZS]	.035	.034	.032	.029	.030	.036	.039	.040	.041	.043 [SC]	[SC]	.046	.048	.049	.050	.049	.047	.048	.047	.048	.043	.041	.050	
4	.046	.047 [ZS]	.049	.049	.049	.048	.047	.047	.047	.048	.048	.048	.049	.050	.050	.050	.050	.047	.047	.047	.048	.047	.048	.050		
5	.048	.048 [ZS]	.043	.043	.043	.043	.042	.042	.041	.040	.038	.038	.035	.031	.032	.038	.039	.038	.037	.037	.038	.038	.037	.033	.048	
6	.034	.035 [ZS]	.037	.037	.033	.030	.033	.039	.039	.039	.037	.037	.035	.034	.034	.035	.036	.036	.035	.033	.035	.034	.035	.035	.039	
7	.035	.033 [ZS]	.028	.027	.026	.024	.024	.038	.037	.037	.038	.035	.033	.034	.033	.032	.032	.032	.030	.032	.033	.037	.039	.034	.039	
8	.038	.038 [ZS]	.040	.039	.040	.039	.038	.038	.037	.039	.032	.031	.030	.030	.032	.032	.032	.033	.033	.032	.032	.031	.031	.034	.040	
9	.035	.040 [ZS]	.040	.039	.039	.038	.037	.038	.038	.038	.032	.031	.031	.032	.030	.031 [TL]	[TL]	[TL]	[TL]	[TL]	[TL]	[TL]	[TL]	[TL]	.034	.040
10	.039	.040 [ZS]	.033	.034	.034	.034	.036	.037	.032	.034	.035	.039	.045	.048	.050	.049	.047	.045	.039	.035	.039	.039	.039	.039	.045	.050
11	.039	.040 [ZS]	.033	.034	.034	.034	.036	.037	.032	.034	.035	.039	.045	.048	.050	.049	.047	.045	.039	.035	.039	.039	.039	.039	.045	.050
12	.046	.042 [ZS]	.040	.049	.050	.048	.047	.033	.043	.043	.041	.042	.042	.042	.041	.040	.041	.042	.044	.048	.049	.050	.051	.051	.045	.051
13	.031	.031 [ZS]	.031	.032	.034	.032	.035	.040	.043	.046	.047	.049	.049	.050	.051	.051	.052	.048	.046	.045	.044	.042	.045	.042	.052	
14	.044	.043 [ZS]	.040	.043	.042	.040	.048	.044	.045	.052	.051	.049	.047	.044	.047	.047	.044	.045	.047	.052	.050	.048	.048	.048	.048	.052
15	.045	.043 [ZS]	.040	.040	.040	.039	.043	.044	.045	.048	.049	.050	.050	.052	.052	.053	.053	.058	.052	.050	.045	.044	.043	.047	.058	
16	.048	.042 [ZS]	.050	.050	.051	.052	.053	.053	.051	.048	.048	.045	.045	.046	.049	.050	.051	.050	.048	.045	.044	.044	.043	.048	.053	
17	.038	.038 [ZS]	.038	.041	.038	.037	.037	.037	.039	.045	.046	.047	.048	.049	.047	.045	.044	.045	.045	.043	.044	.044	.042	.043	.049	
18	.041	.041 [ZS]	.035	.037	.038	.033	.032 [SC]	[SC]	.038	.038	.041	.041	.042	.040	.042	.042	.041	.040	.039	.038	.038	.036	.039	.042		
19	.036	.035 [ZS]	.033	.033	.032	.030	.035	.036	.037	.038	.035	.044	.045	.046	.047	.048	.048	.045	.042	.037	.038	.037	.034	.039	.048	
20	.038	.035 [ZS]	.033	.034	.036	.038	.032	.035	.039	.042	.046	.049	.048	.049	.049	.049	.048	.044	.043	.039	.038	.038	.041	.049		
21	.038	.036 [ZS]	.035	.037	.039	.039	.042	.044	.044	.052	.052	.051	.050	.051	.051	.051	.051	.047	.050	.048	.048	.044	.047	.048	.052	
22	.042	.041 [ZS]	.040	.045	.040	.036	.039	.045	.054	.052	.051	.051	.049	.050	.047	.044	.045	.043	.041	.038	.035	.037	.035	.043	.054	
23	.035	.036 [ZS]	.031	.033	.032	.029	.033	.038	.043	.043	.047	.048	.044	.043	.045	.046	.047	.050	.048	.045	.044	.042	.041	.041	.050	
24	.041	.037 [ZS]	.033	.035	.038	.040	.047	[MT]	.047	[ZS]	.042	.038	.038	.041	.041	.040	.038	.037	.039	.038	.038	.038	.044	.039	.047	
25	.035	.034 [ZS]	.033	.034	.031	.030	.038	.045	.044	.043	.044	.045	.046	.047	.047	.048	.049	.049	.047	.045	.042	.042	.043	.042	.049	
26	.046	.046 [ZS]	.040	.042	.044	.044	.046	.047	.047	.047	.049	.050	.051	.050	.048	.047	.047	.048	.048	.049	.050	.049	.047	.051		
27	.043	.042 [ZS]	.043	.045	.044	.047	.050	.050	.052	.050	.051	.053	.054	.055	.054	.056	.059	.058	.057	.056	.053	.052	.051	.050	.048	.053
28	.047	.047 [ZS]	.045	.048	.047	.047	.050	.050	.052	.054	.055	.054	.056	.056	.056	.059	.058	.061	.058	.055	.049	.046	.046	.047	.051	.061
29	.045	.045 [ZS]	.043	.044	.042	.039	.044	.047	.049	.051	.051	.051	.053	.053	.053	.056	.056	.059	.059	.051	.052	.051	.050	.050	.053	
30	.047	.046 [ZS]	.045	.045	.043	.045	.048	.049	.049	.052	.054	.055	.055	.055	.056	.057	.056	.054	.054	.047	.050	.050	.050	.050	.057	
31	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	
AV	.040	.039 []	.038	.039	.039	.038	.040	.042	.044	.044	.045	.045	.045	.045	.045	.046	.046	.046	.046	.044	.044	.043	.042	.041	.042	
SD	.006	.005 []	.006	.006	.006	.007	.007	.006	.006	.007	.007	.007	.007	.008	.008	.008	.007	.007	.007	.008	.008	.007	.007	.007	.003	

00000 [Program: EDMS MONTHSUM

Version: LC:08-MAR-97]

- 1 PARAMETER
- 2 COMPUTER PARAMETER CODE
- 3 UNITS OF DATA
- 4 PROJECT NAME
- 5 STATION IDENTIFICATION NUMBER
- 6 MONTHLY PERIOD WHICH DATA COVERS
- 7 STATUS AND DATE THE DATA WAS FINALIZED
- 8 DAILY AVERAGES OF ALL HOURLY AVERAGES
- 9 HIGHEST HOURLY AVERAGE FOR EACH DAY

- 10 MONTHLY AVERAGE OF ALL DATA VALUES
 - 11 MONTHLY PEAK
 - 12 REVISION DATE
 - 13 COMPUTER PROGRAM NAME
 - 14 MONTHLY STANDARD DEVIATION FOR EACH HOUR
 - 15 MONTHLY AVERAGES FOR EACH HOUR
 - 16 LETTERS INDICATING REASON FOR MISSING DATA
 - 17 DAY OF MONTH
 - 18 BEGINNING HOUR IN LOCAL STANDARD TIME
- Thus the hourly average under "02"
occurred during the period 0200 to 0300.

OZONE [44201]

PARTS PER MILLION

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

JAN, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 12/NOV/91 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
033	033	033	[ZS]	035	035	035	033	033	032	031	030	031	032	034	034	033	031	023	027	020	016	020	020	018	029	035
024	026	[ZS]	023	025	025	024	023	023	023	024	019	017	020	024	025	022	020	009	008	009	009	011	012	012	019	026
017	020	[ZS]	017	021	025	024	023	025	026	021	025	026	026	025	024	023	022	021	021	021	022	023	025	026	023	026
024	022	[ZS]	021	020	020	018	017	014	012	013	029	032	034	034	034	031	031	027	023	022	023	026	026	024	024	034
023	024	[ZS]	027	026	023	022	025	029	031	032	030	033	033	033	036	037	035	026	026	021	015	021	030	026	023	037
020	[ZS]	[ZS]	021	018	015	016	020	023	028	030	028	030	032	033	032	031	029	024	025	027	025	024	022	024	025	033
025	022	[ZS]	019	022	017	018	017	021	021	026	028	030	032	034	036	037	035	028	031	031	032	024	018	009	026	037
004	006	[ZS]	016	012	013	015	020	020	020	023	023	026	030	034	036	035	026	016	011	021	020	012	010	013	019	036
008	007	[ZS]	023	023	024	023	025	024	024	024	031	030	030	033	035	031	021	009	003	000	004	007	004	007	019	035
007	007	[ZS]	014	016	015	015	022	021	028	029	029	026	030	032	036	038	035	030	018	000	013	026	028	025	022	038
025	025	[ZS]	027	025	027	029	029	029	029	026	027	030	031	033	035	035	033	030	016	014	017	016	016	019	026	035
020	022	[ZS]	022	021	020	018	016	015	015	016	015	020	022	027	029	028	026	019	016	014	027	030	027	027	022	030
027	023	[ZS]	024	022	024	024	019	019	024	024	027	027	[MT]	[MT]	[ZS]	[MT]	[MT]	[PG]	031	031	029	024	028	028	026	031
025	024	[ZS]	027	029	030	031	030	028	028	029	031	[PF]	043	046	046	045	033	017	012	015	017	012	015	019	025	046
021	013	[ZS]	020	017	018	023	026	028	025	029	031	033	036	040	041	035	019	010	001	000	004	004	011	008	021	041
017	011	[ZS]	015	018	021	017	022	028	028	028	032	035	037	040	040	034	024	010	000	000	002	003	009	010	019	040
009	009	[ZS]	008	009	012	012	019	017	020	027	027	029	034	038	039	034	021	008	001	002	002	005	010	023	017	039
013	012	[ZS]	021	023	023	017	027	026	027	031	030	030	035	040	043	043	035	025	018	006	012	008	020	023	024	043
028	[ZS]	[ZS]	034	037	040	039	034	034	035	036	037	039	040	040	040	[MT]	039	038	031	035	033	035	033	036	036	040
036	035	[ZS]	035	037	034	034	034	034	035	035	036	038	038	039	039	039	037	034	035	031	030	032	033	030	035	039
031	030	[ZS]	028	029	027	027	028	027	028	027	034	034	035	037	040	038	035	033	028	019	023	021	028	025	030	040
027	027	[ZS]	029	029	030	030	032	030	030	029	037	039	039	039	036	038	038	036	031	031	032	032	031	034	033	039
035	034	[ZS]	037	038	038	038	038	038	037	036	037	035	037	036	036	035	034	031	027	012	021	025	023	017	032	038
014	016	[ZS]	021	022	021	024	021	007	017	017	027	031	032	032	033	032	028	016	011	008	010	008	015	013	020	033
015	011	[ZS]	016	018	018	018	016	013	022	032	031	031	032	032	031	029	030	026	027	026	026	024	020	022	024	032
017	017	[ZS]	004	007	012	011	019	019	017	022	025	027	027	027	[ZS]	[PG]	[MT]	[MT]	025	026	024	024	025	020	020	027
024	027	[ZS]	017	017	022	022	024	025	028	030	032	034	036	036	037	038	036	031	026	027	029	023	016	020	027	039
023	027	[ZS]	025	023	025	026	024	021	026	031	033	034	035	035	037	036	036	034	036	035	032	032	032	028	030	037
031	033	[ZS]	033	034	033	033	034	034	036	034	035	035	036	037	038	039	040	037	034	033	029	032	034	032	034	040
033	028	[ZS]	025	026	029	029	029	029	028	[MT]	025	027	027	026	025	026	027	022	026	027	025	022	022	020	026	033

OZONE [44201]

PARTS PER MILLION

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM. TUCSON. AZ

FEB. 1999

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 12/NOV/91 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	019	021	[ZS]	024	023	022	022	020	019	025	027	031	032	033	033	031	027	026	020	016	019	022	019	023	024	033
2	026	029	[ZS]	026	026	026	025	026	024	026	028	028	031	032	033	032	030	028	023	024	025	026	024	029	027	033
3	028	[ZS]	[ZS]	026	026	022	017	023	021	016	022	031	033	033	031	030	029	027	018	005	007	013	020	026	024	033
4	027	026	[ZS]	026	026	024	020	021	016	022	025	027	028	029	030	029	029	028	028	026	027	028	026	028	026	030
5	027	026	[ZS]	027	026	026	026	026	027	027	028	026	026	024	022	022	023	021	019	019	025	025	032	[IM]	025	030
6	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	031	032	033	034	035	034	[MT]	030	022	023	023	020	[IM]	[IM]	029	035
7	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	022	025	026	031	033	033	014	009	005	000	000	000	001	001	013	033
8	002	002	[ZS]	001	001	001	000	012	020	023	024	026	025	026	028	028	030	029	026	021	000	000	000	009	015	030
9	013	018	[ZS]	020	019	018	019	019	015	022	024	027	029	031	032	033	033	034	032	030	021	000	000	009	015	030
10	016	018	[ZS]	019	016	017	020	020	023	025	[MT]	[MT]	[MT]	[MT]	[MT]	[MT]	[ZS]	[ZS]	[PC]	017	016	018	019	015	024	034
11	018	013	[ZS]	017	014	013	015	016	019	020	023	028	029	034	043	045	040	034	026	021	021	025	025	018	024	045
12	023	019	[ZS]	028	030	026	028	028	027	028	034	037	037	039	041	039	039	035	033	027	025	028	026	031	031	041
13	034	034	[ZS]	033	034	037	038	037	036	037	043	045	046	047	048	049	050	045	031	023	035	045	035	039	039	050
14	039	038	[ZS]	034	040	039	038	038	039	040	039	039	041	043	041	039	037	033	030	027	026	025	030	032	036	043
15	034	032	[ZS]	036	031	033	023	023	032	034	035	039	039	038	037	038	037	035	029	028	024	022	021	021	032	039
16	022	025	[ZS]	020	020	019	021	013	022	023	020	027	027	025	028	029	030	028	025	026	024	024	023	023	024	030
17	022	023	[ZS]	026	026	020	025	027	026	029	031	033	036	038	039	040	040	039	034	032	031	030	030	030	027	040
18	032	037	[ZS]	037	036	038	035	037	035	035	039	044	047	049	047	045	043	041	039	036	036	035	038	039	039	049
19	041	042	[ZS]	039	036	038	036	038	040	045	048	048	049	050	050	048	047	047	043	044	046	040	037	041	043	050
20	042	040	[ZS]	039	040	040	040	038	037	[MT]	[MT]	[CA]	[CA]	[CA]	[CA]	052	055	050	034	032	034	028	025	026	038	055
21	030	033	[ZS]	036	036	037	036	036	034	040	045	046	046	048	049	050	052	050	037	029	031	031	026	018	038	052
22	025	022	[ZS]	032	035	036	036	039	039	040	[MT]	[MT]	[MT]	[MT]	[PC]	[MT]	[MT]	051	033	024	021	026	027	028	035	056
23	031	033	[ZS]	036	036	040	039	041	040	039	047	053	061	069	054	051	057	053	044	038	035	031	035	038	036	051
24	044	043	[ZS]	044	044	044	043	043	041	047	051	055	052	060	054	051	048	044	029	018	020	025	021	027	041	060
25	044	043	[ZS]	027	028	028	027	025	028	033	035	037	045	044	040	034	035	036	029	026	030	032	022	025	032	045
26	029	027	[ZS]	032	032	030	023	036	038	040	040	043	045	050	050	045	035	032	027	029	026	024	026	026	034	050
27	028	028	[]	029	028	028	027	029	032	034	036	038	039	039	039	039	039	036	028	025	025	025	025	026	030	050
28	010	010	[]	009	010	010	010	009	008	008	009	009	010	011	009	009	011	011	008	009	010	010	009	010	010	030
29	044	043	[]	044	044	044	043	041	047	051	055	061	069	054	054	052	057	056	044	044	046	045	043	043	043	069

1000 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-90]

 *
 * FINAL DATA *
 * AS OF 12/NOV/91 *
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
 SITE 31 SAGUARO NM, TUCSON, AZ
 MAR, 1989
 AEROVIRONMENT INC.

OZONE [44201]
 PARTS PER MILLION

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	023	029	[Z5]	029	028	028	029	024	029	030	033	036	041	044	045	040	038	037	032	022	017	026	034	035	032	045
2	037	040	[Z5]	041	041	042	040	038	035	038	038	040	033	039	037	034	033	037	033	039	036	036	037	036	033	042
3	037	[Z5]	[Z5]	032	031	031	029	030	033	035	038	040	041	[MT]	039	040	041	040	040	044	048	049	048	042	038	049
4	035	030	[Z5]	030	027	031	031	030	034	035	039	041	043	045	050	050	047	042	038	035	040	038	030	028	037	050
5	030	035	[Z5]	035	035	035	040	031	034	039	046	051	053	055	059	062	063	055	042	048	048	047	045	042	045	063
6	043	043	[Z5]	042	041	042	042	041	044	048	049	050	050	050	051	053	055	059	054	055	054	044	043	042	048	059
7	043	041	[Z5]	035	039	041	037	034	036	043	044	043	042	043	048	048	055	057	042	028	032	032	036	029	040	057
8	037	038	[Z5]	037	037	034	038	040	039	043	043	052	061	062	065	070	072	068	065	065	059	052	032	041	050	072
9	038	041	[Z5]	040	038	037	038	035	035	039	046	053	063	079	083	070	062	057	047	044	043	042	040	039	048	083
10	038	038	[Z5]	039	040	041	041	041	042	047	[MT]	[PC]	055	057	056	051	057	063	056	059	048	047	049	048	048	063
11	047	049	[Z5]	050	050	048	047	044	050	052	059	062	072	077	083	054	063	058	051	048	042	042	044	045	053	077
12	043	045	[Z5]	043	043	043	043	039	040	047	053	046	047	041	040	053	042	042	039	033	027	032	030	035	041	053
13	035	034	[Z5]	041	037	037	037	032	038	042	045	047	052	053	046	045	045	046	042	037	025	026	031	036	042	051
14	040	041	[Z5]	041	040	042	041	042	041	046	048	048	051	050	050	046	048	046	042	037	017	016	027	030	039	055
15	039	039	[Z5]	037	037	038	038	038	040	044	049	052	051	049	055	050	042	037	032	024	016	018	022	025	033	048
16	031	032	[Z5]	031	032	031	032	028	028	034	036	040	044	044	041	038	034	032	027	020	019	022	013	010	029	044
17	030	[Z5]	[Z5]	028	030	028	028	025	031	038	041	044	040	042	049	048	045	040	035	026	023	026	031	033	037	049
18	019	022	[Z5]	029	029	029	030	032	034	043	049	050	051	053	046	046	045	045	047	047	046	044	053	049	045	060
19	022	029	[Z5]	031	030	033	032	038	040	039	040	047	044	052	057	056	060	050	047	047	046	044	053	049	045	056
20	020	037	[Z5]	037	037	037	039	038	041	045	049	051	055	055	056	055	057	053	052	052	051	046	048	045	048	056
21	047	046	[Z5]	041	045	044	042	043	044	048	051	053	054	056	057	060	057	054	051	045	026	023	031	040	046	060
22	046	047	[Z5]	046	046	041	042	042	044	048	049	047	043	040	042	[MT]	[MT]	[MT]	[PC]	037	032	032	033	037	041	048
23	043	045	[Z5]	045	042	040	043	044	044	047	048	047	043	040	048	044	041	040	038	037	034	037	038	040	041	048
24	040	042	[Z5]	039	041	041	040	040	042	041	041	042	042	048	047	045	044	042	038	036	026	028	034	031	040	048
25	043	044	[Z5]	043	043	042	042	036	037	041	044	046	047	048	047	045	044	042	038	036	026	028	034	031	040	048
26	029	029	[Z5]	030	030	028	027	026	030	032	030	028	027	024	026	032	037	038	040	036	037	036	032	028	031	040
27	029	028	[Z5]	021	018	017	014	013	012	018	029	033	033	035	041	044	044	042	044	038	036	035	033	033	030	044
28	034	038	[Z5]	035	039	039	046	044	048	050	051	052	063	068	059	053	051	049	044	041	043	047	041	037	047	068
29	037	038	[Z5]	041	040	038	038	034	032	049	054	054	060	068	071	064	057	057	044	044	039	033	046	049	048	071
30	036	042	[Z5]	052	053	053	053	047	048	052	056	061	065	071	073	[MT]	060	057	052	038	039	040	040	046	052	073
31	044	[Z5]	[Z5]	048	054	053	052	048	047	054	058	056	059	060	063	064	071	069	054	039	036	046	041	040	053	071
AV	037	038	[]	038	038	038	038	036	038	042	045	047	049	052	052	050	050	048	044	039	035	036	036	036	042	
SD	007	007	[]	007	008	008	008	008	008	008	008	008	010	012	012	010	011	010	008	010	012	010	009	009		
PK	047	049	[]	052	054	053	050	048	050	054	059	062	072	079	083	070	072	069	065	065	059	052	053	049		083

Version: LC:26-NOV-90J

OU000 [Program: EDMS_MONTHLUM

OZONE [44201]

PARTS PER MILLION

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

APR. 1989

AEROENVIRONMENT INC.

*
* FINAL DATA *
* AS OF 13/NOV/91 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
1	044	042	[ZS]	043	043	046	049	047	047	049	053	055	049	044	043	044	038	034	035	031	032	028	025	027	041	055	
2	030	031	[ZS]	032	032	034	035	031	035	039	044	043	050	050	047	045	043	042	040	038	033	030	035	037	033	050	
3	043	045	[ZS]	044	044	043	044	045	046	047	049	049	052	062	062	052	050	049	043	036	041	048	041	031	046	065	
4	029	032	[ZS]	038	042	040	039	037	043	049	052	058	062	061	058	054	050	044	037	037	038	038	036	055	045	062	
5	053	048	[ZS]	043	038	038	035	032	038	042	044	045	047	048	048	047	048	048	047	042	043	043	044	044	044	053	
6	042	040	[ZS]	039	038	038	038	038	038	040	044	044	044	044	044	044	044	044	044	044	044	044	044	044	044	053	
7	032	034	[ZS]	031	030	035	037	037	037	037	047	050	052	051	063	057	053	049	046	039	038	037	022	023	036	044	
8	023	033	[ZS]	043	043	044	043	039	042	047	048	048	057	059	055	056	054	050	043	040	025	018	034	053	043	068	
9	057	057	[ZS]	058	057	056	056	053	052	054	051	052	055	050	047	045	044	043	041	040	025	027	034	035	047	059	
10	038	041	[ZS]	040	040	041	038	034	036	040	043	045	053	057	062	062	063	062	055	040	046	048	047	039	047	063	
11	041	039	[ZS]	034	038	036	035	032	039	041	043	046	048	054	054	046	042	041	039	033	031	030	033	035	040	054	
12	039	043	[ZS]	037	035	035	034	034	036	044	049	049	049	049	049	049	049	049	049	049	049	049	049	049	049	059	
13	045	044	[ZS]	044	042	042	040	039	043	037	046	048	054	053	064	063	072	069	062	056	054	053	052	054	052	072	
14	052	[ZS]	[ZS]	043	051	052	047	051	052	053	059	064	064	064	070	079	081	073	064	052	054	053	052	054	052	072	
15	039	036	[ZS]	045	047	045	047	047	053	058	062	066	068	070	070	069	069	062	061	051	044	050	033	033	039	052	070
16	042	044	[ZS]	044	045	043	044	041	048	051	053	055	056	063	063	069	062	060	051	044	033	029	031	035	038	045	060
17	039	041	[ZS]	043	042	043	042	037	037	042	047	049	049	049	050	050	050	048	044	038	029	024	020	018	029	040	057
18	029	037	[ZS]	036	036	033	035	036	039	044	047	049	052	057	057	057	057	056	051	052	050	037	027	035	036	044	061
19	040	045	[ZS]	044	044	042	042	041	045	052	055	053	054	060	069	066	059	056	052	042	042	048	031	033	043	069	
20	038	040	[ZS]	043	044	047	047	045	044	050	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	[ZS]	
21	037	037	[ZS]	047	049	052	052	054	056	062	062	063	064	064	064	064	064	064	064	064	064	064	064	064	064	064	
22	034	036	[ZS]	038	037	037	039	040	042	047	049	051	053	054	049	048	047	046	044	041	040	042	039	037	039	046	
23	033	036	[ZS]	038	039	037	039	040	042	047	049	051	053	054	049	048	047	046	044	041	040	042	039	037	039	046	
24	033	041	[ZS]	046	042	041	042	038	041	044	045	050	052	051	051	051	051	051	051	051	051	051	051	051	051	051	
25	044	043	[ZS]	043	042	040	042	043	047	052	052	051	051	051	051	051	051	051	051	051	051	051	051	051	051	051	
26	045	043	[ZS]	043	044	043	042	043	044	048	053	057	056	056	053	052	051	045	045	044	044	042	042	044	045	052	
27	039	035	[ZS]	040	045	043	043	049	049	054	059	062	063	066	069	070	069	068	064	053	048	046	046	044	043	057	
28	043	[ZS]	[ZS]	049	050	051	049	053	056	062	064	069	074	072	073	069	069	068	064	053	049	037	038	030	055	070	
29	035	041	[ZS]	050	052	054	054	055	062	067	067	063	067	075	074	070	070	067	067	059	053	047	044	039	053	076	
30	049	053	[ZS]	054	055	053	053	055	060	066	072	072	076	074	070	067	063	061	061	052	050	055	053	055	060	076	
V	040	041	[]	043	043	043	043	041	045	048	052	054	056	053	059	057	055	053	043	042	040	038	033	039	046		
D	007	006	[]	006	006	006	006	007	007	007	003	003	003	009	011	011	010	010	009	008	009	011	010	009			
K	057	059	[]	053	057	056	056	055	060	066	072	072	076	074	079	081	078	073	067	059	058	063	064	055			
U000	[Program: EDMS_MONTHSUM]																							081			

Version: LC:26-NOV-90J

OZONE [44201]
PARTS PER MILLION

AV	040	042	1	043	043	043	041	043	046	050	052	054	059	008	009	010	009	008	008	003	006	005	008	009	008	007
SD	008	008	1	009	009	009	008	008	009	008	009	008	009	008	009	009	075	074	070	070	061	054	055	060	051	052
PK	053	056	1	059	062	061	056	057	060	063	068	073	075	073	081	073	075	074	070	061	054	055	060	051	052	081

000000 [Program: EDMS_MONTHSUM

OZONE [442013]

PARTS PER MILLION

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

JUN, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 28/DEC/90 *
*

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	046	[ZS]	[ZS]	049	049	051	049	051	057	061	058	061	063	[ZS]	[PC]	[PC]	056	057	054	047	042	038	037	039	051	063
2	044	[ZS]	[ZS]	047	045	045	046	046	052	054	058	063	061	063	063	063	064	063	061	058	047	038	036	039	051	063
3	050	[ZS]	[ZS]	055	055	053	048	047	052	053	057	063	069	070	070	067	067	068	067	061	048	043	057	057	058	070
4	060	[ZS]	[ZS]	060	060	060	060	060	062	061	064	063	060	060	061	059	057	056	055	051	047	043	045	044	057	064
5	047	[ZS]	[ZS]	060	060	059	052	051	058	062	064	061	055	054	054	055	053	052	051	044	033	033	034	035	051	064
6	037	[ZS]	[ZS]	033	037	036	032	036	047	053	048	048	061	063	056	052	048	049	050	048	041	022	023	031	043	063
7	032	[ZS]	[ZS]	045	046	050	047	047	053	058	059	060	066	075	069	076	064	056	052	049	043	039	039	038	053	076
8	043	[ZS]	[ZS]	043	045	044	041	040	041	047	048	048	046	046	046	047	048	050	053	049	045	041	040	041	045	053
9	037	[ZS]	[ZS]	045	045	044	040	040	043	044	047	050	049	051	052	054	053	053	054	052	042	043	039	040	046	054
10	044	[ZS]	[ZS]	046	047	044	045	047	051	053	055	055	057	058	061	062	057	054	053	048	040	037	034	043	050	062
11	046	[ZS]	[ZS]	048	046	046	045	047	047	050	052	060	060	057	057	054	053	055	056	053	053	058	057	053	052	060
12	041	[ZS]	[ZS]	044	044	046	046	046	050	058	066	080	078	073	071	067	065	063	063	056	048	050	041	044	056	080
13	048	[ZS]	[ZS]	052	053	049	048	052	[PA]	[PA]	[PA]	[PA]	[PA]	[PA]	[PA]	[PA]	052	055	054	051	041	041	041	038	048	055
14	042	[ZS]	[ZS]	048	044	043	038	047	047	054	[ZS]	[ZS]	074	070	[PC]	065	059	057	054	048	040	037	032	031	049	074
15	039	[ZS]	[ZS]	040	040	041	038	044	046	051	061	072	079	076	068	065	059	054	052	046	036	033	035	036	050	079
16	021	[ZS]	[ZS]	042	045	045	043	043	050	051	054	059	067	064	067	060	061	056	050	043	033	035	022	019	048	067
17	032	[ZS]	[ZS]	043	043	045	046	045	056	059	060	071	077	061	055	054	054	054	053	050	050	049	047	033	047	063
18	023	[ZS]	[ZS]	040	040	036	038	041	044	045	056	068	056	060	061	060	059	054	050	047	039	026	024	021	045	068
19	038	[ZS]	[ZS]	039	041	043	043	046	047	051	058	060	059	058	055	054	054	054	051	055	056	053	044	037	046	078
20	043	[ZS]	[ZS]	053	048	046	051	050	052	052	048	041	043	044	044	044	044	045	043	039	034	034	034	034	044	053
21	030	[ZS]	[ZS]	034	032	034	035	037	039	040	044	046	050	050	049	048	049	048	045	040	037	037	037	037	044	050
22	034	[ZS]	[ZS]	039	039	040	038	041	047	048	051	055	054	052	049	048	048	048	045	042	045	042	045	043	047	061
23	027	[ZS]	[ZS]	044	043	040	035	039	040	044	048	050	056	061	064	058	057	056	052	047	042	045	035	036	047	079
24	033	[ZS]	[ZS]	041	036	039	036	036	044	048	057	075	079	079	064	058	060	057	051	045	034	037	035	036	047	079
25	035	[ZS]	[ZS]	033	032	028	031	036	044	052	[PC]	[PC]	077	077	071	057	047	047	039	043	031	038	030	028	047	087
26	023	[ZS]	[ZS]	036	042	038	039	044	050	055	058	056	058	067	068	060	054	052	049	045	040	027	020	024	046	068
27	038	[ZS]	[ZS]	043	043	043	042	044	047	051	054	059	062	061	059	058	056	054	053	049	042	038	037	036	048	
28	009	[ZS]	[ZS]	008	007	007	007	006	006	006	006	009	011	011	009	008	006	005	006	005	006	008	008	009	008	
29	060	[ZS]	[ZS]	060	060	060	060	060	062	062	066	060	079	087	077	076	067	068	067	061	056	058	057	057	087	

00 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-903

 *
 * FINAL DATA *
 * AS OF 24/JUL/90 *
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM, TUCSON, AZ

JUL, 1989

AEROVIRONMENT INC.

OZONE [442013]

PARTS PER MILLION

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	028	[ZS]	[ZS]	035	035	037	033	038	042	046	046	044	057	056	056	047	046	046	045	041	035	026	027	026	041	057
2	024	[ZS]	[ZS]	031	030	031	031	032	036	042	050	055	061	063	054	053	050	048	047	041	037	028	020	023	040	063
3	029	[ZS]	[ZS]	035	036	034	035	038	041	048	052	058	061	062	055	051	053	052	053	050	045	041	035	037	040	081
4	039	[ZS]	[ZS]	043	043	042	041	044	048	054	059	066	071	066	061	059	056	055	056	055	048	050	044	042	052	071
5	046	[ZS]	[ZS]	050	050	049	044	045	043	052	058	063	063	067	067	063	060	060	063	060	055	053	053	045	055	067
6	046	[ZS]	[ZS]	048	042	042	037	040	048	054	062	065	067	069	073	073	[ZS]	[ZS]	077	078	062	057	047	050	057	078
7	048	[ZS]	[ZS]	048	042	039	038	041	045	051	055	059	062	067	060	058	059	057	055	050	058	052	042	042	051	067
8	041	[ZS]	[ZS]	039	040	040	041	042	047	048	056	069	060	066	054	049	045	045	049	050	050	049	044	041	048	069
9	039	[ZS]	[ZS]	041	034	043	045	043	053	057	058	061	067	067	068	063	061	058	054	052	048	053	045	055	053	068
10	053	[ZS]	[ZS]	028	024	042	042	048	055	060	063	064	063	055	052	059	055	057	056	041	048	045	038	041	051	064
11	037	[ZS]	[ZS]	047	041	038	042	043	049	057	058	060	063	065	060	057	056	057	056	054	046	043	047	036	044	060
12	038	[ZS]	[ZS]	039	043	046	043	043	050	057	065	070	078	080	075	073	070	070	064	058	048	043	047	048	054	073
13	040	[ZS]	[ZS]	038	040	041	040	040	046	046	046	046	046	046	046	046	046	046	046	046	046	046	046	046	046	046
14	040	[ZS]	[ZS]	039	038	035	038	040	040	049	055	055	060	063	063	059	055	055	055	055	045	045	045	045	043	048
15	040	[ZS]	[ZS]	039	035	038	039	045	045	040	040	043	050	050	055	060	060	060	060	055	050	050	049	045	047	060
16	040	[ZS]	[ZS]	039	039	033	030	040	045	053	056	060	068	079	093	076	074	069	061	055	048	043	041	045	052	079
17	042	[ZS]	[ZS]	040	038	036	033	038	042	045	051	058	063	076	093	076	074	069	061	055	057	058	057	055	055	093
18	053	[ZS]	[ZS]	048	047	046	050	048	052	056	059	060	061	068	064	062	067	067	070	058	053	051	053	051	054	062
19	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	070
20	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
21	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
22	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
23	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
24	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
25	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
26	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
27	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
28	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
29	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
30	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073
31	049	[ZS]	[ZS]	053	053	049	043	046	051	056	059	060	061	067	071	071	073	067	061	058	053	055	053	052	056	073

Version: LC: 08-DEC-89J

OZONE [44201]

PARTS PER MILLION

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

AUG. 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 25/JUL/90 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	047	[ZS]	[ZS]	053	043	052	045	047	050	047	047	045	043	057	053	050	043	040	039	041	041	044	042	034	046	053
2	035	[ZS]	[ZS]	023	030	025	025	033	033	043	047	043	049	054	055	057	045	039	041	036	042	036	033	032	041	057
3	029	[ZS]	[ZS]	035	040	041	035	036	045	049	053	057	057	074	057	049	051	050	051	045	039	042	036	035	046	074
4	032	[ZS]	[ZS]	029	026	032	033	037	037	035	037	029	025	024	025	023	023	027	027	022	013	022	024	023	023	037
5	025	[ZS]	[ZS]	024	014	015	017	015	024	033	040	049	053	054	053	052	051	043	047	050	045	045	041	042	033	054
6	038	[ZS]	[ZS]	039	042	037	032	037	035	039	042	050	054	055	053	057	059	055	047	038	029	027	027	026	042	064
7	027	[ZS]	[ZS]	035	033	031	032	029	033	040	042	045	050	050	049	049	047	045	047	045	044	045	043	041	041	050
8	048	[ZS]	[ZS]	044	043	047	043	043	044	049	054	057	059	062	061	061	057	056	053	050	050	049	051	050	052	062
9	039	[ZS]	[ZS]	032	029	028	029	033	034	[SC] [MT]	054	074	033	079	067	047	047	043	042	037	034	032	035	035	045	063
10	024	[ZS]	[ZS]	025	025	026	020	031	036	041	049	053	079	099	080	072	063	053	053	049	049	043	035	045	063	
11	046	[ZS]	[ZS]	041	039	034	032	033	036	041	045	055	073	073	063	062	059	059	057	052	044	032	031	033	045	078
12	037	[ZS]	[ZS]	035	032	033	034	035	036	040	045	065	065	065	063	059	059	057	052	044	039	036	033	036	045	066
13	034	[ZS]	[ZS]	043	040	040	038	037	041	045	045	051	059	061	056	052	049	051	048	045	045	046	049	046	047	066
14	039	[ZS]	[ZS]	037	035	030	031	037	042	047	055	062	079	091	086	077	050	048	045	044	044	047	048	048	047	057
15	037	[ZS]	[ZS]	032	031	029	029	039	044	051	057	059	065	071	073	067	050	050	055	049	043	038	040	044	048	078
16	044	[ZS]	[ZS]	033	038	039	030	037	037	042	045	051	050	051	053	052	042	040	040	038	032	027	027	040	058	
17	032	[ZS]	[ZS]	021	021	023	021	023	026	031	035	037	043	052	056	047	040	039	035	028	024	025	026	024	032	056
18	024	[ZS]	[ZS]	023	027	026	022	025	029	032	035	034	036	039	038	036	033	031	030	025	023	023	024	024	029	039
19	021	[ZS]	[ZS]	022	023	023	024	026	027	028	033	035	033	033	032	032	031	030	029	025	023	023	021	020	027	035
20	015	[ZS]	[ZS]	022	019	019	021	019	024	028	032	034	040	047	041	039	039	034	028	024	020	019	020	019	025	041
21	028	[ZS]	[ZS]	033	029	030	028	032	032	036	[SC] [PD]	043	050	042	040	042	041	041	037	031	028	027	029	033	036	050
22	036	[ZS]	[ZS]	035	036	034	034	035	036	037	038	038	040	042	044	042	041	041	037	039	036	037	036	036	044	047
23	035	[ZS]	[ZS]	034	035	033	034	032	035	037	039	041	042	043	043	042	043	043	039	036	039	037	036	034	038	043
24	032	[ZS]	[ZS]	027	026	025	024	023	027	032	040	042	045	048	053	056	054	045	039	032	025	018	015	016	034	056
25	034	[ZS]	[ZS]	024	023	025	024	023	023	030	037	038	038	042	048	052	054	043	039	031	032	034	037	034	035	066
26	036	[ZS]	[ZS]	028	027	033	035	032	039	043	050	057	062	059	054	057	053	056	058	052	051	044	042	041	046	062
27	032	[ZS]	[ZS]	037	034	033	036	038	040	044	043	046	052	056	053	051	046	044	039	035	034	032	024	033	040	056
28	032	[ZS]	[ZS]	032	032	031	028	027	035	038	039	045	051	053	053	056	056	043	027	021	021	023	024	037	066	
29	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
30	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
31	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
32	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
33	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
34	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
35	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
36	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
37	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
38	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
39	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
40	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
41	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
42	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
43	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
44	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
45	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
46	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
47	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033	033	040	056
48	033	[ZS]	[ZS]	033	032	032	030	032	036	039	043	047	052	056	055	052	048	046	043	038	035	034	033			

OZONE 1442011
PARTS PER MILLION

DY	CLOCK HOUR [LOCAL STANDARD TIME]																								AVG PEAK	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	027	[Z5]	[Z5]	029	029	029	028	031	033	038	044	051	059	067	071	072	060	049	045	041	041	042	042	039	044	072
2	039	038	[Z5]	038	035	033	032	031	031	035	038	044	046	050	064	072	062	052	040	034	033	033	030	032	041	072
3	033	033	[Z5]	031	030	026	025	033	038	049	058	066	065	063	062	058	050	046	046	037	035	038	029	037	066	
4	027	028	[Z5]	040	041	040	037	033	037	043	047	049	051	052	056	065	069	051	042	035	032	034	032	034	069	
5	036	036	[Z5]	037	027	037	038	034	038	046	053	056	059	059	066	070	070	064	052	052	050	043	042	042	070	
6	042	045	[Z5]	040	039	038	035	028	028	043	049	052	057	055	053	060	064	060	049	044	045	044	039	042	064	
7	043	041	[Z5]	040	041	033	035	036	043	046	[PC]	052	055	053	052	051	046	042	039	035	035	030	026	032	043	
8	033	033	[Z5]	032	033	033	033	032	036	038	041	043	047	050	041	037	036	035	033	025	019	022	017	013	032	
9	021	022	[Z5]	025	023	025	023	030	034	037	036	036	036	039	043	044	034	035	033	030	029	030	034	034	044	
10	030	029	[Z5]	027	028	029	031	023	031	034	035	034	035	036	034	035	035	033	031	029	029	020	016	039	032	
11	035	035	[Z5]	033	033	031	023	023	026	027	030	035	036	036	035	035	045	045	040	036	042	046	039	041	053	
12	024	025	[Z5]	027	026	029	023	025	024	031	032	036	045	059	072	056	049	045	040	036	042	046	039	042	053	
13	023	030	[Z5]	027	025	023	039	033	033	047	053	059	062	064	065	063	063	060	051	049	044	049	049	042	046	
14	032	034	[Z5]	037	038	039	039	038	033	043	043	046	047	043	049	052	055	053	043	051	043	044	049	049	046	
15	044	[Z5]	[Z5]	039	035	036	038	037	042	043	043	046	047	043	049	052	055	051	049	043	047	041	037	033	043	
16	049	050	[Z5]	047	046	045	045	045	046	052	052	053	054	052	052	052	052	052	051	049	043	023	022	013	032	
17	034	033	[Z5]	031	031	031	031	030	033	035	038	041	040	033	036	036	035	034	029	025	030	027	025	029	029	
18	020	021	[Z5]	022	021	020	022	026	023	030	031	030	023	027	025	025	025	025	023	023	027	025	027	025	029	
19	030	023	[Z5]	032	032	032	032	030	030	036	037	041	045	057	066	063	053	052	043	051	045	044	046	042	051	
20	030	031	[Z5]	028	029	029	026	025	049	[PC]	[MT]	057	061	060	059	061	059	061	045	041	041	042	041	041	043	
21	045	045	[Z5]	045	047	047	043	044	041	045	046	044	042	043	044	044	045	045	041	041	043	042	041	041	043	
22	041	042	[Z5]	039	045	040	044	040	040	043	046	049	053	052	051	051	051	050	049	047	043	043	043	043	053	
23	040	040	[Z5]	039	038	040	040	040	043	045	047	043	050	051	052	063	063	060	059	050	042	041	042	042	043	
24	043	047	[Z5]	045	046	043	042	043	046	047	048	049	051	055	053	052	054	054	053	051	049	043	043	047	043	
25	046	044	[Z5]	044	043	044	045	036	042	046	049	051	055	053	053	053	059	055	053	052	053	054	057	052	059	
26	047	043	[Z5]	050	050	050	049	048	049	050	051	052	052	054	055	053	051	050	053	051	054	053	054	054	053	
27	056	055	[Z5]	054	053	052	051	051	050	051	052	053	054	054	053	052	051	050	047	045	042	045	046	046	043	
28	052	050	[Z5]	049	050	050	046	044	043	048	047	[MT]	046	049	050	050	050	047	045	042	045	043	043	043	052	
29	045	[Z5]	[Z5]	047	046	043	041	040	045	051	051	051	049	047	043	049	[TH]	046	043	043	043	050	050	052	047	
30	053	053	[Z5]	048	048	046	047	044	045	046	046	046	047	047	050	052	049	043	035	025	021	023	033	032	043	
AV	033	033	[]	037	037	036	036	035	033	042	044	047	049	050	051	052	050	047	042	039	038	037	037	033	042	
SD	010	010	[]	003	009	009	003	003	007	007	007	003	009	010	011	012	012	010	003	010	011	011	011	010	010	072
PK	056	055	[]	054	053	052	051	051	052	052	053	066	065	072	071	072	070	064	054	052	054	053	054	057		

Version: LC: 03-DEC-391

WIND SPEED [611013]

METERS/SECOND

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

OCT. 1989

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 27/JUL/90 *

CLOCK HOUR [LOCAL STANDARD TIME]

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVS	PEAK
1	0.7	1.6	3.0	2.8	1.9	2.3	1.8	2.1	1.6	1.2	1.9	4.3	5.4	3.3	3.5	3.6	4.3	3.9	2.8	2.2	2.9	3.1	2.9	2.6	2.7	5.4
2	2.5	2.1	3.0	1.6	1.4	1.7	1.5	1.2	1.4	1.8	2.5	3.7	5.8	4.5	4.4	3.4	2.4	3.9	2.3	2.1	1.9	2.8	2.5	2.6	2.7	5.8
3	2.4	2.2	1.7	1.5	1.4	1.7	1.8	1.1	1.7	2.5	2.5	2.3	2.6	2.1	2.4	1.9	1.8	4.0	2.2	1.7	1.6	1.8	1.6	1.7	2.0	4.0
4	1.0	2.9	6.5	3.1	4.1	1.6	1.4	2.9	6.2	3.1	2.4	1.8	0.9	0.9	1.0	2.0	4.2	3.6	1.7	2.4	2.5	3.7	3.7	2.0	2.4	6.2
5	2.6	2.7	2.1	1.1	1.1	7.3	2.0	1.9	3.1	3.1	2.4	1.4	1.9	1.2	1.7	2.4	[CRF]	1.4	1.7	1.4	1.4	1.1	0.9	0.9	2.9	8.8
6	2.3	2.3	2.1	1.3	1.2	1.4	1.5	0.9	0.9	1.0	1.2	1.3	3.0	2.5	2.7	2.5	2.0	2.2	1.5	1.7	1.4	1.5	3.0	3.0	2.9	8.8
7	2.7	1.4	1.4	1.3	1.4	1.6	2.0	1.7	1.5	1.1	1.3	1.9	2.1	2.5	2.7	2.5	2.0	2.2	1.5	1.6	0.9	2.0	3.1	3.7	1.3	3.0
8	1.0	1.7	1.5	1.2	1.7	0.9	0.9	1.2	0.9	1.6	1.5	1.3	2.2	2.5	3.0	2.3	3.3	2.7	2.4	1.9	1.7	2.7	2.0	1.1	1.9	3.7
9	2.0	1.3	1.5	2.3	1.3	0.3	2.3	1.7	0.9	1.2	1.5	3.3	3.9	2.9	1.9	2.3	1.7	2.0	1.5	1.2	1.4	1.0	0.7	1.9	1.7	3.9
10	3.6	2.3	0.9	2.0	1.3	0.7	0.7	1.7	1.2	3.9	5.3	3.3	5.3	3.7	4.2	1.3	1.3	1.5	2.2	2.5	1.2	2.6	2.2	1.7	2.5	5.3
11	1.3	1.6	1.2	1.4	0.7	0.9	1.3	1.0	0.3	1.1	1.2	1.5	2.3	2.3	2.2	2.1	2.1	1.1	1.4	2.0	1.7	2.3	3.4	2.5	1.3	3.6
12	1.5	1.6	1.7	1.5	1.0	0.9	2.3	2.1	1.1	0.9	1.3	1.5	2.9	2.4	2.5	2.1	1.7	2.2	1.4	2.1	1.6	3.4	2.7	2.2	1.3	3.4
13	3.0	2.2	1.3	1.4	1.0	1.1	0.9	1.5	1.2	2.5	2.5	2.3	4.4	6.5	6.3	6.3	5.3	5.6	1.3	1.1	3.2	3.6	2.7	2.2	2.0	3.6
14	1.3	1.3	1.1	0.7	1.1	1.4	1.3	1.0	1.9	1.4	1.6	1.9	2.9	3.7	3.1	2.7	3.3	2.5	3.5	2.9	3.2	3.2	2.7	1.3	3.1	6.8
15	2.3	2.5	2.9	2.7	1.7	1.0	1.3	1.3	1.9	1.4	1.5	1.9	2.4	2.1	1.9	2.3	1.9	1.3	1.2	1.4	1.9	3.3	3.0	2.6	2.0	4.7
16	2.2	2.3	1.2	1.3	2.4	2.9	1.9	1.0	0.3	1.1	1.3	2.0	2.4	2.3	2.5	2.7	2.6	1.7	1.9	1.9	1.5	2.1	1.5	1.3	2.9	3.3
17	1.2	1.0	1.4	1.9	1.6	1.1	0.9	1.1	0.9	2.6	4.5	5.0	5.9	4.3	4.1	5.5	4.3	3.4	4.0	4.1	2.3	1.5	2.0	2.4	1.9	6.1
18	1.9	2.1	2.5	1.9	1.5	2.7	3.2	4.1	4.2	4.5	3.5	3.5	3.3	3.0	4.1	5.1	5.3	4.1	3.9	3.7	2.5	2.4	2.3	2.4	3.4	5.3
19	1.3	2.4	2.2	1.5	1.7	1.7	1.2	1.2	0.9	2.0	2.1	1.3	2.4	3.7	3.0	4.2	5.3	2.4	0.7	0.7	2.0	2.1	2.9	2.9	2.2	4.1
20	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	1.2	1.1	1.7	1.5	1.7	1.7	2.0	1.9	3.1	1.9	3.3	3.9	1.3	1.3	1.3	1.5	2.4	7.1
21	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	1.6	1.3	2.3	2.9	2.5	1.7	2.9
22	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	1.3	1.4	1.9	3.0	2.4	2.1	3.0
23	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]
24	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]
25	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]
26	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]	[CRF]
27	1.3	0.7	1.3	1.1	0.7	1.3	1.3	1.0	0.3	1.5	1.2	2.0	2.0	[CRF]	3.0	2.7	2.5	2.4	1.7	1.4	0.9	1.1	1.3	1.7	1.7	2.5
28	1.5	1.0	1.1	1.1	1.7	1.4	1.5	1.5	1.2	1.2	1.5	1.3	1.3	2.4	2.6	2.7	3.0	3.1	1.5	0.7	0.3	1.1	1.6	2.3	1.6	3.7
29	2.2	2.9	2.9	2.2	2.0	1.4	1.3	0.9	1.4	1.6	2.1	2.5	2.6	2.9	2.6	2.7	2.6	2.1	2.4	2.0	1.4	2.0	3.0	1.9	1.3	3.0
30	1.7	1.4	1.3	0.3	0.9	2.0	2.3	1.3	1.1	1.1	1.9	2.1	2.0	2.7	2.3	3.2	2.6	2.4	2.4	1.7	1.6	2.4	2.3	1.3	2.2	3.2
31	1.4	1.4	1.3	1.4	1.9	1.1	1.4	2.0	1.5	2.5	2.0	3.3	1.7	2.4	3.3	2.6	3.2	4.1	1.7	1.3	0.9	1.6	2.6	1.4	2.1	3.2
V	1.9	1.3	2.0	1.9	1.9	1.3	1.6	1.6	1.9	2.2	2.5	2.9	2.3	3.0	2.9	2.6	3.2	2.9	2.2	1.3	0.9	1.9	2.5	2.4	2.0	4.1
D	0.7	0.6	1.1	1.4	1.6	1.4	0.6	0.9	1.2	1.0	1.1	1.0	1.4	1.1	1.2	2.9	3.0	2.9	2.2	2.0	1.3	2.3	2.4	2.1	3.2	
K	3.6	2.9	6.6	3.1	3.3	7.3	3.2	4.1	6.3	4.5	5.3	5.0	5.9	5.5	6.3	6.3	6.3	7.1	4.0	4.1	3.2	3.7	3.7	0.6	3.7	8.3

* FINAL DATA *
* AS OF 27/JUL/90 *

Version: LC:03-DEC-89

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 * FINAL DATA *
 * AS OF 28/JUL/90 *
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NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM, TUCSON, AZ

NOV. 1989

AEROVIRONMENT INC.

WIND SPEED [61101]

METERS/SECOND
 LEVEL HEIGHT : 10 METERS

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	1.9	2.1	2.1	2.3	1.0	0.9	1.5	2.4	1.7	1.2	1.6	2.2	2.2	2.3	2.7	3.0	2.6	2.2	1.8	1.6	1.8	1.9	2.3	1.4	2.0	3.0
2	1.4	1.7	1.0	1.3	1.6	1.3	1.3	1.7	1.4	1.7	2.3	3.4	2.9	2.2	2.7	2.6	3.2	3.2	1.5	1.7	1.3	0.5	2.3	1.2	1.9	3.4
3	1.7	2.2	1.5	2.0	1.2	1.9	1.8	2.0	1.4	1.3	1.5	1.7	1.9	2.7	3.1	3.2	2.5	1.7	1.5	1.3	1.2	3.2	3.4	1.5	2.0	3.4
4	1.0	1.3	0.5	2.1	2.5	1.7	2.0	1.0	1.4	0.9	1.5	1.7	2.7	3.2	2.6	2.3	2.7	1.3	1.7	1.7	3.0	3.4	2.7	2.3	2.0	3.4
5	1.7	3.6	1.3	1.3	2.1	1.3	1.4	0.6	1.4	1.3	2.7	3.2	2.3	2.3	2.3	2.4	2.3	1.5	1.2	1.1	3.2	3.0	2.7	1.6	2.1	3.6
6	1.1	2.1	3.5	3.0	2.2	2.6	1.5	1.5	1.0	1.3	1.3	1.3	2.3	2.4	2.3	2.4	2.3	1.5	1.3	1.4	1.5	3.6	2.5	2.0	2.0	3.6
7	2.5	2.3	2.4	2.1	0.9	1.1	1.9	1.2	1.5	1.4	2.1	1.3	2.1	2.3	3.2	3.0	2.3	2.2	1.9	1.0	2.3	3.0	2.9	2.1	2.2	3.4
8	2.6	2.3	2.1	2.2	1.6	1.2	2.0	0.9	0.3	1.1	1.3	1.5	2.1	2.6	3.2	2.3	2.3	2.9	CRF	CRF	2.3	CRF	CRF	CRF	1.9	3.2
9	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	1.6	2.4	CRF	2.9	2.5	1.3	3.5	3.9	2.1	1.3	2.5	3.9
10	1.4	1.4	1.2	2.2	2.1	1.3	1.3	2.3	0.7	1.3	1.0	2.0	2.2	2.5	1.3	2.1	1.3	1.0	1.4	2.2	2.4	2.1	1.4	1.5	1.7	2.5
11	1.4	2.5	2.9	0.6	1.5	2.0	1.9	1.0	0.6	0.7	1.2	1.6	1.3	2.5	2.4	2.6	2.0	2.0	1.4	1.9	1.7	3.5	3.1	2.6	1.3	3.5
12	1.1	1.9	3.0	2.5	2.1	1.2	1.0	0.7	0.3	0.3	1.1	1.9	1.3	1.3	2.1	2.1	2.0	1.5	1.3	1.5	2.2	2.9	1.3	2.6	1.7	3.0
13	2.3	1.7	3.0	3.4	3.4	2.1	3.0	1.3	1.7	1.5	1.3	1.9	2.0	2.4	2.1	1.9	2.0	3.1	CRF	1.9	2.1	3.4	3.3	2.3	2.4	3.4
14	2.3	1.3	1.3	0.7	1.3	2.1	2.0	2.3	1.3	1.4	1.6	2.2	2.4	2.7	3.1	CRF	3.1	2.6	2.7	2.3	2.2	2.9	2.7	3.3	2.2	3.3
15	2.1	1.9	1.6	2.3	1.6	1.2	1.6	1.9	2.1	2.2	1.5	2.3	2.5	2.5	2.0	CRF	2.7	2.7	2.3	2.2	2.4	2.7	2.4	2.9	2.2	2.9
16	2.2	2.7	1.3	2.0	1.4	2.2	2.1	1.9	1.2	2.3	1.2	1.3	1.5	2.1	3.3	4.1	2.3	2.6	2.7	2.2	CRF	2.3	2.4	2.6	2.1	4.1
17	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF	CRF
18	1.5	1.9	1.3	1.6	1.7	1.5	1.3	0.9	1.0	1.6	1.3	2.3	2.3	2.3	1.3	1.5	1.4	1.2	1.7	1.5	3.2	1.3	2.5	2.1	1.5	2.3
19	1.3	1.3	2.4	2.7	5.5	5.5	5.2	2.7	3.7	6.6	7.7	7.3	6.7	5.3	5.4	5.7	6.3	7.4	6.6	3.9	3.3	2.7	3.7	7.6	4.9	7.3
20	5.5	4.2	2.4	1.5	2.4	1.3	2.1	2.1	1.6	2.7	4.4	3.6	2.3	2.3	3.3	3.0	4.3	3.3	1.5	3.2	3.0	2.3	2.5	2.3	2.1	5.5
21	1.3	1.6	3.3	2.2	1.6	1.9	1.3	2.5	1.9	2.5	2.9	2.1	1.5	1.3	2.7	3.7	3.3	3.1	1.4	1.2	2.3	1.7	1.9	2.3	1.3	3.7
22	1.2	1.5	1.3	0.9	2.0	1.9	2.0	1.3	1.5	2.7	1.5	1.4	1.5	2.0	1.3	1.7	2.1	2.1	2.1	1.9	1.3	1.7	1.5	2.9	1.9	3.0
23	2.0	1.5	1.5	1.2	1.1	2.6	2.5	1.3	1.1	2.2	2.1	1.3	2.2	3.0	2.5	2.2	1.3	1.0	1.3	2.5	2.3	2.7	1.9	1.6	2.1	2.9
24	2.9	2.0	2.1	2.3	2.0	2.4	1.4	1.2	1.7	2.0	2.1	1.3	2.0	1.3	2.0	3.2	3.5	1.9	2.5	2.1	2.2	2.5	2.0	2.0	2.0	3.7
25	1.5	1.1	0.7	0.9	1.7	1.7	1.4	1.7	3.7	3.2	1.3	1.7	2.0	1.3	5.1	3.9	3.3	2.3	1.9	1.9	1.0	0.6	1.6	1.4	2.4	5.1
26	1.3	2.4	1.9	1.2	1.6	2.2	1.9	1.3	1.3	3.0	4.0	4.3	4.0	3.9	2.4	3.9	3.3	3.0	1.9	1.7	3.3	3.9	2.5	2.4	2.2	3.4
27	1.4	1.5	0.3	1.1	2.5	2.4	3.1	2.4	1.5	1.5	1.9	1.3	3.9	2.1	2.4	5.2	5.5	3.6	4.2	5.2	4.6	4.6	2.3	2.0	3.1	5.5
28	2.7	2.5	2.7	1.6	2.2	2.2	1.4	1.0	1.0	2.5	2.8	5.1	3.9	3.3	6.3	6.5	6.1	4.9	4.6	4.2	4.4	4.7	4.2	1.4	4.3	7.6
29	1.9	1.7	1.5	2.0	4.0	5.9	4.7	2.9	2.4	2.5	5.4	7.1	7.6	7.0	3.1	2.9	2.1	4.2	4.2	4.2	4.3	4.2	3.1	1.7	2.3	4.3
30	1.2	1.6	1.9	1.3	1.2	1.2	1.7	1.4	1.1	1.1	1.6	1.7	2.5	2.7	3.1	2.9	2.1	4.2	4.2	4.2	4.3	4.2	3.1	1.7	2.3	4.3
AV	1.9	2.0	1.9	1.3	2.0	2.1	2.1	1.7	1.5	2.0	2.3	2.6	2.6	2.7	2.3	3.0	3.0	2.6	2.1	2.2	2.6	2.7	2.4	2.2	2.3	
SD	0.9	0.7	0.3	0.7	1.0	1.1	0.9	0.6	0.3	1.1	1.5	1.6	1.4	1.2	1.1	1.2	1.3	1.3	1.2	1.1	1.0	1.0	0.7	1.2		
PK	5.5	4.2	3.5	3.4	5.5	5.9	5.2	2.9	3.7	6.6	7.7	7.3	7.6	7.0	6.3	6.5	6.3	7.4	6.6	5.2	4.3	4.7	4.2	7.6		7.3

Version: LC: 08-DEC-89J

OU000 Program: EDMS_MONTHSUM

WIND SPEED [611013]

METERS/SECOND

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

DEC. 1989

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 30/JUL/90 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	1.2	2.0	2.1	2.2	1.8	1.4	1.1	1.7	1.9	3.9	2.2	2.9	4.3	3.1	3.3	2.8	2.6	2.9	4.7	5.3	2.2	2.9	2.7	2.9	2.7	5.3
2	1.1	1.3	2.1	3.0	3.4	3.3	6.1	7.9	6.1	5.6	8.7	4.7	4.7	6.6	7.0	5.6	6.8	7.0	6.0	8.3	7.8	9.6	8.7	7.6	7.6	5.9
3	3.0	1.4	1.6	1.9	2.3	2.1	1.9	2.4	1.7	1.6	1.1	1.6	2.0	1.6	1.6	1.9	1.7	1.8	1.4	0.6	1.3	3.5	2.0	2.8	2.0	3.5
4	0.9	1.5	1.3	1.0	1.5	1.4	2.1	3.1	2.7	1.7	2.4	2.1	2.9	4.3	6.1	4.8	4.2	4.1	1.9	1.1	1.4	1.2	2.0	2.3	1.8	2.8
5	2.5	3.3	1.3	1.0	1.8	1.6	0.8	1.6	2.2	1.2	1.6	1.5	1.8	2.5	2.5	2.1	2.5	3.2	2.0	3.8	6.0	5.4	3.8	1.9	2.5	5.4
6	1.3	1.9	2.2	1.1	0.9	1.9	0.8	1.4	0.8	0.8	1.3	1.3	1.3	1.8	2.3	2.0	1.3	1.6	1.6	1.3	0.9	1.8	2.8	2.0	1.9	6.0
7	2.1	1.1	1.0	1.9	1.4	1.7	1.8	1.5	2.6	5.5	4.7	3.4	2.4	3.9	4.3	5.4	4.0	1.6	1.3	1.9	0.9	1.8	2.8	2.5	1.8	3.3
8	1.4	1.5	1.1	2.0	1.2	1.3	1.9	2.4	1.5	1.6	1.5	1.4	1.8	2.5	2.5	2.1	2.5	2.0	2.1	1.0	1.1	1.3	2.8	2.3	1.8	3.3
9	2.4	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
10	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
11	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
12	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
13	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
14	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
15	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
16	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
17	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
18	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
19	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
20	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
21	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
22	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
23	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
24	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
25	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
26	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
27	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
28	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
29	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
30	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
31	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
32	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
33	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
34	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
35	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
36	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
37	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
38	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
39	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
40	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
41	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
42	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
43	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
44	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
45	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
46	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
47	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5	0.9	1.5	1.7	1.7	2.2	2.2	2.8	2.1	2.4	1.5	0.8	1.0	1.2	1.7	0.9	1.7	2.9
48	3.1	1.8	2.6	1.6	1.9	1.3	2.6	2.4	1.5																	

RESULTANT SPEED [641103]

METERS/SECOND
LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

JAN, 1989

AEROVIRONMENT INC.

FINAL DATA
AS OF 12/NOV/91

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	1.2	1.4	2.4	1.2	1.3	1.2	0.6	0.9	1.3	1.0	2.9	4.1	3.9	4.7	3.3	3.5	3.2	2.2	1.6	0.2	1.7	1.2	2.3	2.0	1.0	4.7
2	1.3	0.4	0.7	1.5	1.2	0.3	1.3	0.6	1.6	0.7	0.5	2.1	2.2	2.3	2.4	1.5	1.0	1.1	0.9	0.8	2.1	1.7	0.8	0.8	0.2	2.4
3	1.8	0.4	2.3	2.4	2.3	4.5	6.2	1.3	2.2	0.2	2.3	3.7	5.4	4.4	4.3	3.9	3.0	4.3	5.4	4.2	4.3	6.1	4.6	4.6	3.1	6.2
4	5.6	5.4	4.2	6.8	5.3	6.9	7.2	5.8	3.5	2.4	3.5	6.3	6.7	7.1	7.8	7.0	5.4	3.6	3.1	1.9	0.8	2.3	0.8	1.0	2.7	7.3
5	0.4	1.7	2.1	2.2	1.6	2.1	2.3	2.7	0.9	0.7	1.0	2.7	4.3	1.5	0.8	1.1	1.9	1.4	2.2	0.9	0.8	1.3	1.0	1.0	0.7	2.8
6	1.9	1.1	2.5	1.2	0.3	2.1	1.5	2.7	3.1	[MT]	1.5	0.6	1.3	6.7	7.1	6.9	6.9	4.9	6.0	3.4	0.7	2.1	1.8	1.8	2.0	7.1
7	1.0	1.0	1.3	0.2	0.3	2.1	2.2	2.1	2.9	3.3	2.5	2.2	1.8	1.7	1.3	1.5	1.6	0.9	1.8	2.2	1.3	2.4	2.5	0.3	1.0	3.3
8	2.4	2.9	1.0	1.8	2.5	1.2	1.9	0.9	2.0	1.1	1.1	0.6	1.6	3.2	2.3	2.9	3.5	2.0	1.4	2.0	1.3	2.0	1.9	0.9	0.2	3.5
9	1.9	1.3	2.2	1.9	0.3	0.7	1.5	1.7	1.5	1.9	1.4	1.7	2.1	2.0	1.5	3.1	1.9	2.3	0.5	1.2	0.8	1.8	2.4	1.3	0.3	2.5
10	1.2	1.6	2.4	2.0	2.0	1.8	0.5	1.1	1.2	2.5	1.3	1.6	0.9	5.4	5.2	3.7	3.5	1.4	0.7	2.2	0.6	1.5	2.1	0.5	0.4	2.5
11	1.3	3.0	3.2	2.7	3.5	0.9	1.7	2.1	1.2	2.1	1.9	1.9	2.9	3.1	5.3	4.3	4.0	3.0	2.0	0.1	2.7	4.7	3.9	3.1	0.7	5.4
12	3.2	3.7	2.7	1.6	1.6	0.5	0.5	1.4	2.9	1.4	2.4	2.1	[MT]	0.9	0.9	2.0	1.6	1.2	1.3	0.3	1.6	0.7	0.7	0.7	0.5	5.8
13	5.6	4.2	1.2	1.6	0.3	0.3	0.7	0.3	0.6	0.2	0.9	0.7	0.9	1.4	1.5	2.0	1.1	1.9	2.1	1.3	1.6	1.4	1.7	1.2	0.2	2.3
14	2.0	2.3	0.9	1.0	0.2	0.7	1.6	0.3	0.4	0.3	1.0	0.3	1.7	1.6	2.0	2.3	2.9	1.9	1.6	0.5	2.1	2.1	1.6	0.9	0.4	3.1
15	1.3	0.4	0.7	0.3	0.5	0.9	0.3	1.0	0.5	1.2	0.6	0.6	1.2	2.5	2.4	3.0	2.6	1.7	1.3	0.3	2.9	1.3	1.3	1.5	0.5	3.0
16	1.7	1.0	2.6	2.4	1.7	0.6	2.9	1.5	1.6	1.4	0.3	1.1	2.2	1.9	2.3	2.7	3.6	2.4	1.5	2.1	4.0	2.8	1.2	1.7	0.2	4.0
17	0.1	0.4	2.6	2.4	1.7	0.6	2.9	1.5	1.6	1.4	0.3	1.1	2.2	1.9	2.3	2.7	3.6	2.4	1.5	2.1	4.0	2.8	1.2	1.7	0.2	4.0
18	1.7	1.2	1.1	1.6	1.8	1.3	1.9	1.3	0.5	0.6	2.1	1.0	4.6	5.2	5.5	5.6	[MT]	2.7	1.3	0.9	0.9	1.4	1.9	2.3	2.0	7.0
19	1.7	1.2	1.1	1.6	1.8	1.3	1.9	1.3	0.5	0.6	2.1	1.0	4.6	5.2	5.5	5.6	[MT]	2.7	1.3	0.9	0.9	1.4	1.9	2.3	2.0	7.0
20	1.0	3.1	4.5	3.7	3.8	3.9	3.9	3.2	2.9	2.6	1.5	2.9	3.6	4.1	3.0	4.5	1.5	3.3	1.5	0.9	0.4	1.6	1.1	3.9	2.3	4.5
21	2.7	1.9	2.9	3.6	1.8	2.2	2.9	3.2	1.4	0.8	1.0	0.5	1.6	2.5	2.7	2.5	2.3	2.3	1.7	1.1	2.3	2.3	1.7	3.3	2.1	2.9
22	1.7	2.1	1.4	0.9	1.8	1.4	0.4	0.5	0.6	0.4	1.5	2.5	4.3	5.3	6.2	6.2	5.1	4.4	2.3	1.1	2.7	2.0	1.2	2.2	0.1	6.2
23	1.6	0.7	0.7	4.1	3.8	4.7	3.7	3.8	0.6	0.4	1.6	3.2	1.5	7.3	8.5	7.7	5.7	4.6	2.7	1.1	2.7	3.0	1.2	2.2	2.3	8.5
24	3.3	4.6	4.5	4.1	3.8	4.7	3.7	3.8	4.3	5.1	0.3	2.6	1.5	1.6	2.3	3.1	3.0	2.3	0.5	0.7	1.8	3.0	3.2	0.3	3.2	6.7
25	0.5	1.1	1.2	0.3	2.3	2.0	2.4	2.1	2.9	5.3	6.1	6.7	6.6	6.2	5.9	5.6	6.0	2.3	1.7	1.9	2.7	1.3	1.6	1.1	2.5	6.7
26	0.5	1.7	1.6	0.5	1.3	1.3	2.4	2.1	2.9	5.3	6.1	6.7	6.6	6.2	5.9	5.6	6.0	2.3	1.7	1.9	2.7	1.3	1.6	1.1	2.5	6.7
27	1.3	0.5	0.6	0.6	0.6	1.4	1.0	1.5	1.7	1.6	1.4	0.6	1.3	0.8	[MT]	0.4	0.7	2.4	0.7	2.1	1.6	2.2	2.2	0.6	0.7	3.5
28	2.9	3.4	2.5	2.3	2.3	1.2	1.1	3.4	2.1	1.0	0.9	1.3	2.2	2.5	3.5	3.3	3.4	3.1	1.6	1.4	2.1	1.8	0.9	1.6	1.1	4.5
29	2.0	1.6	0.5	0.4	1.6	1.6	0.9	1.7	0.9	2.0	0.3	1.6	2.0	4.3	4.5	2.8	2.6	0.9	3.1	2.4	0.1	0.8	1.4	0.5	0.9	3.4
30	0.7	0.6	1.1	0.7	0.2	0.3	1.0	0.4	1.3	1.2	1.3	1.9	1.4	1.3	2.5	2.3	2.2	3.1	3.4	2.7	0.1	0.8	1.4	0.5	0.9	3.4
31	0.7	1.3	0.9	1.6	2.6	1.4	2.0	1.5	1.8	2.4	0.3	1.2	0.4	1.9	0.3	1.2	2.1	1.4	1.2	1.2	0.9	2.9	2.2	1.9	0.7	2.9
AV	0.9	1.0	1.1	1.0	1.1	1.2	1.2	1.1	0.3	0.7	0.3	0.6	0.6	0.7	1.1	1.4	1.7	1.2	0.6	0.3	1.1	1.4	1.2	1.0	0.4	
SD	2.1	2.0	1.9	2.0	2.2	2.4	2.3	1.9	1.9	2.0	2.2	2.6	3.1	3.7	3.9	3.6	3.1	2.5	2.3	1.8	1.9	2.0	1.8	2.0		
PK	5.6	5.4	4.5	6.8	6.3	7.0	7.2	5.3	4.3	5.3	6.1	6.7	6.7	7.3	8.5	7.7	6.9	4.9	6.0	4.2	4.3	6.1	4.6	5.3		8.5

Note: Averages are vector averages
QU005 [Program: EDMS_MONTHSUM

Version: LC: 25-NOV-90]

RESULTANT SPEED [61103]

METERS/SECOND

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM. TUCSON, AZ

FEB. 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 12/NOV/91 *

CLOCK HOUR [LOCAL STANDARD TIME]

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
1	2.5	1.9	1.8	0.4	0.3	1.0	0.2	1.1	1.7	2.2	2.4	2.5	2.4	2.1	1.8	1.6	2.1	2.6	1.7	1.0	1.3	1.2	1.8	2.9	1.0	2.9	
2	3.6	2.8	2.1	3.1	2.9	2.8	2.1	0.6	1.1	1.4	2.3	2.3	3.4	2.9	2.6	2.6	3.4	3.7	2.5	2.2	1.5	0.6	0.5	1.8	1.8	2.9	
3	1.0	1.8	2.3	1.7	1.8	2.1	2.0	2.0	2.9	[MT]	0.7	1.9	2.1	3.5	4.7	4.9	4.3	3.9	2.1	0.4	1.1	2.0	3.9	3.8	1.6	3.7	
4	2.5	2.1	1.6	2.0	1.7	1.6	1.0	0.3	0.5	1.1	2.9	4.4	5.1	5.8	7.1	7.0	4.8	5.5	4.8	5.0	3.0	2.3	2.5	2.9	1.2	4.9	
5	4.4	3.4	2.4	3.0	2.5	1.2	0.7	1.8	4.9	6.1	5.3	6.4	7.3	7.1	4.5	3.1	3.2	2.9	2.2	3.1	3.8	2.0	0.7	2.8	2.4	7.1	
6	3.7	3.5	1.8	2.3	1.9	1.2	0.9	1.1	0.5	0.5	0.7	1.2	2.3	2.7	2.6	2.6	2.4	1.5	2.6	2.0	1.9	0.6	0.2	0.9	1.1	3.7	
7	1.6	1.4	1.2	1.2	0.5	1.0	1.1	2.4	0.8	2.3	1.0	1.3	2.1	2.5	3.0	2.9	3.4	2.5	2.0	1.0	0.7	0.7	0.2	1.4	0.5	3.4	
8	0.3	0.9	1.1	1.3	1.1	2.7	2.3	1.8	0.9	2.5	2.3	2.4	2.0	1.3	2.1	4.0	3.6	4.5	3.9	0.9	1.6	1.3	2.0	1.1	1.7	4.5	
9	0.4	0.9	1.1	1.3	1.1	2.7	2.3	1.8	0.9	2.5	2.3	2.4	2.0	1.3	2.1	4.0	3.6	4.5	3.9	0.9	1.6	1.3	2.0	1.1	1.7	4.5	
10	1.5	2.4	0.8	1.2	2.2	1.1	1.1	2.0	2.1	2.1	0.5	0.6	1.5	2.1	2.8	2.7	3.7	3.6	1.7	0.9	1.7	0.6	0.2	0.5	0.8	3.7	
11	1.9	1.1	0.5	0.8	1.8	1.2	1.3	1.3	0.9	1.2	1.2	1.0	1.7	2.3	2.0	2.2	2.2	1.6	2.0	1.3	0.6	1.0	2.1	2.4	1.0	4.8	
12	1.8	1.1	1.9	2.5	2.5	1.2	1.3	1.3	1.1	1.0	1.2	1.0	1.7	2.3	2.0	2.2	2.2	1.6	2.0	1.3	0.6	1.0	2.1	2.4	1.0	4.8	
13	1.6	2.4	1.4	0.4	2.4	0.8	1.5	2.2	2.5	1.6	2.1	0.6	1.8	2.6	2.0	1.8	4.2	3.2	2.2	1.4	1.2	2.1	2.6	0.6	0.4	2.7	
14	1.6	1.2	0.5	0.6	2.0	1.6	1.3	0.4	0.6	2.5	0.5	1.4	1.3	0.7	1.4	1.4	1.4	1.4	2.2	0.8	0.6	2.0	2.7	0.4	4.2		
15	1.0	1.6	1.4	0.4	2.4	0.8	1.5	2.2	2.5	1.6	2.1	0.6	1.8	2.6	2.0	1.8	4.2	3.2	2.2	1.4	1.2	2.1	2.6	0.6	0.4	2.7	
16	1.6	1.2	0.5	0.6	2.0	1.6	1.3	0.4	0.6	2.5	0.5	1.4	1.3	0.7	1.4	1.4	1.4	1.4	2.2	0.8	0.6	2.0	2.7	0.4	4.2		
17	0.6	1.0	2.7	1.2	1.9	0.7	1.7	1.7	0.6	0.9	1.7	2.2	0.4	2.7	1.9	1.9	2.2	3.1	6.0	5.6	3.9	2.8	2.0	2.3	0.4	3.2	
18	1.6	0.6	0.6	1.6	2.3	1.3	0.7	2.0	2.2	0.3	1.8	0.9	4.7	2.9	[MT]	1.2	1.2	0.4	0.3	0.4	0.2	0.8	1.0	1.9	0.9	4.7	
19	1.7	2.4	3.2	2.8	2.3	2.7	3.6	3.7	0.5	1.9	2.7	1.9	3.5	3.6	4.8	5.7	5.8	5.3	1.8	1.6	0.7	2.9	2.2	1.0	0.6	3.6	
20	0.3	0.6	0.6	1.6	2.3	1.3	0.7	2.0	2.2	0.3	1.8	0.9	4.7	2.9	[MT]	1.2	1.2	0.4	0.3	0.4	0.2	0.8	1.0	1.9	0.9	4.7	
21	1.5	1.6	2.8	0.9	0.5	1.2	1.0	2.9	2.1	1.6	2.1	0.7	1.1	1.3	2.2	2.5	1.9	2.3	2.0	1.9	0.7	1.5	2.3	1.3	1.3	6.7	
22	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.5	
23	0.7	0.6	0.3	0.8	1.2	0.4	0.8	0.7	0.7	0.7	0.8	1.4	1.6	2.2	1.5	0.9	1.5	2.9	1.4	1.6	1.7	1.5	0.6	0.4	0.5	2.9	
24	1.5	1.6	2.8	0.9	0.5	1.2	1.0	2.9	2.1	1.6	2.1	0.7	1.1	1.3	2.2	2.5	1.9	2.3	2.0	1.9	0.7	1.5	2.3	1.3	1.3	6.7	
25	0.7	0.6	0.3	0.8	1.2	0.4	0.8	0.7	0.7	0.7	0.8	1.4	1.6	2.2	1.5	0.9	1.5	2.9	1.4	1.6	1.7	1.5	0.6	0.4	0.5	2.9	
26	1.5	1.6	2.8	0.9	0.5	1.2	1.0	2.9	2.1	1.6	2.1	0.7	1.1	1.3	2.2	2.5	1.9	2.3	2.0	1.9	0.7	1.5	2.3	1.3	1.3	6.7	
27	1.6	3.1	2.8	1.5	1.5	2.1	2.4	2.3	1.8	1.8	1.4	1.2	4.1	3.8	5.0	5.4	5.4	4.9	4.0	3.5	2.3	0.3	2.1	2.8	1.1	5.4	
28	1.0	0.9	2.1	2.8	3.0	1.4	2.8	2.0	1.6	1.2	0.8	1.8	1.4	1.7	2.3	2.4	4.1	3.7	3.4	3.9	3.7	2.1	0.7	1.3	1.2	4.1	
V	1.2	1.1	1.1	1.2	1.1	1.2	1.1	0.8	0.5	0.4	0.7	0.8	1.4	1.7	2.1	2.2	2.4	2.1	1.7	0.4	0.6	1.0	1.4	1.2	1.2		
D	1.6	1.7	1.4	1.4	1.6	1.4	1.5	1.7	1.7	1.9	1.8	2.2	2.6	2.7	7.1	7.0	6.8	6.1	6.0	2.3	1.9	1.7	1.7	1.4	0.6		
K	4.4	3.5	3.2	3.1	3.2	2.8	3.6	3.7	4.9	6.1	5.3	6.4	7.3	7.1	7.1	7.0	6.8	6.1	6.0	2.3	1.9	3.8	3.9	3.8	1.5	7.3	
Note: Averages are vector averages.																											

Version: LC:26-NOV-90J

Notes: Averages are vector averages
U005 Program: EDMS_MONTHSUM

RESULTANT SPEED [611031]

METERS/SECOND
LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

MAR, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 12/NOV/91 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	2.5	2.0	3.0	2.3	1.1	2.3	1.3	1.3	1.9	2.4	2.3	1.2	1.9	3.0	3.6	4.1	5.1	5.0	3.2	1.8	0.9	2.6	3.4	3.1	1.1	5.1
2	3.1	3.4	2.3	2.7	3.1	1.8	2.3	0.5	1.3	8.3	3.5	4.5	3.0	5.6	5.9	2.8	3.0	6.1	6.7	5.2	6.3	6.7	6.6	4.9	3.4	6.3
3	3.4	4.3	5.3	3.2	2.6	3.3	4.3	7.3	3.3	8.3	10.1	10.2	10.6	[MT]	[MT]	9.6	3.0	6.7	5.5	6.3	6.2	6.6	5.1	5.0	5.1	10.6
4	4.0	2.4	2.2	3.2	3.1	1.0	2.1	2.5	1.8	0.9	1.2	1.7	1.8	2.1	1.7	2.9	2.4	2.5	3.0	1.4	0.7	1.5	3.5	2.8	1.2	4.0
5	1.7	1.7	1.6	0.7	1.4	0.2	0.3	1.3	0.3	0.6	1.7	2.4	1.3	3.5	1.9	2.1	2.3	3.0	1.3	2.3	1.9	0.4	0.3	0.5	0.6	3.5
6	3.0	3.0	1.0	1.3	1.7	0.3	0.5	0.3	0.9	0.2	1.0	1.4	0.6	1.1	1.5	1.6	1.6	2.1	1.4	2.2	1.0	2.3	3.1	0.7	0.4	3.1
7	0.6	2.6	0.3	1.3	0.9	0.5	2.3	2.2	0.6	0.2	1.2	3.4	1.3	1.3	1.9	1.3	2.7	2.2	2.5	2.4	0.3	2.9	2.9	2.5	0.6	3.4
8	2.1	0.4	0.5	0.5	0.5	1.0	0.7	0.6	0.2	0.3	1.6	1.4	1.6	2.2	1.9	1.3	1.7	1.3	1.6	2.0	0.3	2.9	3.6	1.7	0.3	3.6
9	0.9	3.3	2.2	1.3	1.3	1.0	1.2	0.8	0.4	1.7	1.3	2.1	2.3	3.3	4.2	4.2	4.1	3.4	1.5	0.3	0.2	2.1	2.5	2.3	0.6	4.2
10	0.3	2.2	2.9	2.0	1.6	1.7	1.0	1.1	0.3	1.0	[MT]	0.9	1.1	1.5	1.9	1.0	2.3	3.3	4.1	1.1	0.2	1.3	2.7	3.3	0.6	4.1
11	4.2	2.9	1.2	2.2	1.4	1.3	1.4	1.5	3.0	2.6	1.2	1.1	2.4	2.6	3.0	4.3	4.7	4.3	1.0	0.6	1.4	2.9	3.4	1.0	0.5	4.7
12	2.7	1.9	1.4	0.4	2.1	2.2	0.5	1.4	2.0	2.1	0.7	1.5	2.2	2.7	2.5	2.8	3.5	3.6	2.2	0.3	0.3	1.7	2.9	3.0	0.4	3.6
13	1.0	1.3	1.9	2.2	1.5	1.1	2.3	1.9	2.6	1.9	1.7	2.9	3.7	4.3	5.9	5.7	5.9	4.4	2.3	0.3	0.3	2.5	2.7	2.3	1.1	5.9
14	2.9	2.9	2.9	2.6	2.0	1.4	1.5	1.2	1.2	2.1	1.2	1.3	2.6	3.2	4.1	3.9	4.2	4.0	2.8	1.5	1.1	2.0	3.2	2.3	0.5	4.2
15	3.3	3.1	3.0	2.9	2.5	2.2	1.9	1.9	1.1	2.0	2.0	1.0	1.1	1.4	2.7	2.7	2.4	3.4	2.0	0.3	0.6	2.3	1.7	2.3	0.9	3.4
16	2.4	2.1	1.0	1.3	0.2	0.3	1.1	0.3	0.5	1.0	1.5	1.5	1.6	2.5	3.1	2.3	3.3	3.6	2.9	1.3	0.9	0.3	0.5	2.0	0.7	3.3
17	2.7	1.2	1.2	1.9	1.4	1.0	1.9	2.3	0.3	[MT]	1.0	1.4	2.3	2.0	2.3	2.4	3.3	3.6	3.0	2.2	1.9	1.0	2.4	2.9	0.6	3.6
18	2.9	1.1	2.7	1.2	0.6	1.2	0.5	1.4	1.4	2.7	1.2	2.5	3.1	4.1	4.2	5.3	5.9	5.3	4.3	3.0	2.0	0.3	2.4	2.9	0.7	3.3
19	3.9	3.4	1.3	3.5	1.7	1.2	0.3	0.7	0.3	0.9	0.3	1.6	2.0	2.2	2.7	2.3	3.3	3.0	3.0	2.1	1.9	0.3	2.4	2.9	0.7	3.3
20	2.2	2.6	2.5	3.0	3.3	2.5	1.7	2.6	2.3	3.0	2.6	3.3	5.5	6.9	6.7	7.3	6.5	5.9	6.0	4.2	3.9	2.9	5.3	7.1	1.7	7.3
21	7.3	5.7	4.7	2.9	5.3	2.5	1.5	1.8	0.6	2.0	1.3	1.0	3.2	1.2	1.5	0.3	1.1	4.1	4.7	3.3	3.9	2.0	1.3	2.3	1.4	7.3
22	0.9	2.7	3.4	0.3	1.0	2.3	1.5	1.3	0.6	1.3	2.2	1.7	1.3	1.9	2.9	2.4	2.7	3.6	3.4	1.9	1.7	1.3	2.4	2.3	0.7	7.3
23	3.3	1.7	2.9	2.2	1.4	3.7	0.9	1.9	1.0	0.9	2.9	3.7	5.2	7.2	6.3	[MT]	[MT]	5.0	4.4	3.9	2.1	3.2	3.2	3.3	2.2	7.2
24	3.9	1.9	2.5	1.3	1.3	0.9	1.9	0.7	0.3	0.9	1.4	1.3	1.4	1.9	2.4	1.9	4.4	5.0	4.4	3.9	1.2	0.5	1.2	1.1	1.2	5.0
25	2.6	4.2	3.9	1.6	2.2	0.3	1.4	2.3	3.5	2.7	2.7	2.1	2.7	4.5	5.0	5.3	6.0	5.3	5.5	4.7	3.5	3.4	5.5	5.1	3.1	6.0
26	2.5	2.3	3.3	3.5	3.7	3.0	4.0	3.7	4.3	5.3	5.5	6.7	4.2	3.6	2.7	1.2	3.3	5.1	4.9	0.5	1.6	4.4	2.1	0.6	2.2	6.7
27	1.3	0.7	1.2	1.6	1.1	1.4	1.6	1.4	1.5	2.3	1.3	1.5	2.9	3.0	2.0	2.1	2.4	2.7	3.6	1.7	0.8	0.2	1.2	2.9	1.1	3.6
28	2.5	2.1	2.4	2.1	0.5	0.7	1.4	1.9	3.4	2.0	1.5	2.3	2.7	2.3	3.4	4.9	4.3	4.7	2.4	1.5	0.6	0.3	2.5	3.2	1.0	4.9
29	2.5	1.3	2.3	2.3	2.4	1.7	2.2	0.6	0.6	0.4	1.0	1.2	2.7	2.7	3.3	2.3	4.6	4.5	3.3	1.9	2.0	2.5	2.0	0.5	1.0	4.6
30	3.0	2.4	1.9	1.9	1.3	1.2	0.6	0.5	0.3	2.0	1.7	2.9	2.3	3.3	3.1	3.3	4.1	5.1	4.0	0.7	0.3	1.9	2.6	1.2	1.0	5.1
31	2.1	2.3	2.5	1.9	1.0	0.3	0.6	0.1	0.4	0.5	0.3	1.3	2.0	1.7	2.5	2.5	3.1	3.4	3.0	2.7	2.2	0.3	3.2	3.1	0.5	3.4
AVG	1.9	1.3	1.6	1.1	0.3	1.0	0.7	1.1	1.1	1.2	1.5	1.7	2.1	2.5	2.3	2.9	3.1	3.0	2.0	1.1	0.6	1.4	2.0	1.9	0.9	
PK	2.3	2.1	2.0	1.9	2.0	1.5	1.7	1.3	2.1	2.2	2.3	2.6	2.5	2.2	2.2	2.4	2.8	3.1	3.1	2.5	2.2	2.3	2.5	2.4		
ED	7.3	6.7	5.3	3.5	5.3	3.7	4.3	7.3	3.3	3.3	10.1	10.2	10.6	7.2	6.7	3.6	3.0	6.7	6.7	6.3	6.8	6.7	6.6	7.1		10.6

Version: LC:26-NOV-901

Note: Averages are vector averages
Program: EDMS_MONTHSUM

RESULTANT SPEED [61103]

METERS/SECOND

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

APR, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 12/NOV/91 *

CLOCK HOUR CLOCAL STANDARD TIME

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	2.3	3.8	2.0	1.0	1.7	0.9	0.3	1.7	1.2	2.4	2.6	4.2	5.6	6.7	7.7	8.1	8.7	7.0	4.6	3.6	2.1	1.3	2.7	2.5	8.7	
2	3.1	3.0	1.3	1.5	1.2	0.5	1.3	1.0	1.6	1.6	1.7	2.7	2.9	3.9	4.5	4.6	4.3	3.7	2.5	1.5	1.6	1.9	2.8	1.2	4.9	
3	2.5	2.2	3.3	3.0	2.1	1.4	1.7	2.9	1.3	1.4	2.5	2.9	2.7	3.5	3.9	3.4	3.0	2.6	2.4	2.3	1.5	1.9	2.9	0.7	3.9	
4	4.4	4.3	2.1	2.4	1.2	0.4	1.0	0.2	2.4	2.3	4.1	1.9	1.2	1.5	3.3	2.7	5.6	4.0	3.6	2.6	1.6	1.5	0.2	3.7	0.8	5.7
5	0.1	1.1	1.3	0.7	0.4	1.5	0.1	1.7	0.6	0.5	0.6	1.9	2.5	2.4	2.6	2.3	2.7	2.8	1.7	2.2	3.0	1.9	2.7	0.9	1.4	6.0
6	3.5	2.9	1.6	1.4	1.0	1.5	1.6	0.7	0.6	0.9	1.3	2.7	3.3	3.5	4.2	4.5	4.5	3.2	2.7	2.1	1.1	2.8	2.9	0.7	4.5	
7	2.3	3.1	3.3	1.9	1.2	2.5	1.2	2.5	2.4	1.7	2.7	3.1	3.2	4.6	4.4	4.4	4.6	3.3	2.3	1.5	1.4	3.0	3.0	0.8	3.3	
8	3.7	2.7	3.3	1.9	2.6	1.2	1.5	2.2	1.7	1.3	2.1	1.9	2.0	2.2	4.4	2.1	4.6	3.5	2.3	1.1	0.6	1.3	2.6	0.8	4.6	
9	1.9	3.5	1.6	0.9	0.5	1.9	1.3	2.2	3.4	3.1	2.5	3.2	2.3	3.5	3.7	5.2	4.3	4.3	2.1	1.9	2.4	3.0	0.9	0.6	3.7	
0	2.8	2.1	1.0	1.1	0.6	1.3	2.6	0.7	3.4	3.1	2.3	1.3	2.7	2.2	3.7	2.1	4.0	3.7	2.1	4.0	2.2	0.9	1.1	2.4	1.5	2.4
1	2.6	1.3	1.7	1.0	0.6	1.2	1.5	1.2	0.8	1.1	2.5	1.3	2.0	2.5	1.6	2.4	2.0	1.3	3.1	3.3	0.9	1.6	1.1	1.1	0.2	3.7
2	2.4	3.2	2.3	2.5	2.9	0.5	0.9	0.2	1.7	1.9	2.5	3.4	3.0	2.2	2.7	3.1	2.8	4.4	2.9	2.2	1.3	2.0	2.0	1.0	3.9	
3	2.5	2.1	2.6	1.3	1.7	1.5	1.7	1.9	0.9	0.3	1.6	2.4	2.1	2.7	3.1	2.9	4.4	2.9	2.2	2.3	1.3	2.0	2.0	1.0	3.9	
4	2.3	1.9	1.3	0.6	0.7	0.3	2.0	0.6	0.4	1.7	2.5	1.3	2.2	2.4	1.9	2.4	2.5	2.9	1.6	0.6	2.6	2.1	1.7	1.5	4.4	
5	3.7	2.0	2.4	1.0	0.7	1.4	0.9	0.4	2.0	1.0	1.1	0.6	1.9	3.5	3.7	2.8	3.2	3.3	2.2	1.8	0.6	2.4	1.5	0.4	2.6	
6	3.9	2.7	2.5	1.3	2.1	1.7	1.0	0.9	1.2	2.6	2.5	1.6	2.0	3.5	2.4	2.5	3.2	2.2	2.2	2.2	1.0	1.7	3.4	0.7	3.5	
7	2.3	2.7	1.9	1.3	3.6	3.4	0.9	1.4	1.4	2.7	3.2	4.0	4.1	5.0	5.7	6.6	6.3	5.2	2.2	1.5	1.2	0.5	2.7	1.5	6.8	
8	2.4	1.1	2.8	1.5	1.7	2.0	2.3	3.0	1.4	2.5	4.7	5.4	6.7	6.5	7.2	7.5	8.0	5.1	1.7	1.3	0.7	1.3	0.9	1.4	4.0	
9	0.3	1.2	2.8	0.3	1.2	1.4	0.5	1.1	0.4	2.4	4.3	6.7	8.7	9.5	9.5	9.0	8.0	6.6	4.1	2.9	1.0	0.6	1.3	2.4	7.2	
0	2.2	2.9	2.7	2.4	1.0	0.3	0.2	0.7	1.0	0.9	1.1	2.0	2.7	2.3	2.3	1.9	2.5	2.9	2.4	3.1	2.1	0.7	2.0	2.3	6.5	
1	2.2	2.6	2.1	1.4	1.3	0.3	0.7	0.6	0.3	1.1	2.0	2.7	2.3	2.3	1.9	2.5	2.9	2.9	2.4	3.1	2.1	0.7	2.0	2.3	6.5	
2	2.4	3.6	3.0	1.3	1.2	1.5	0.4	0.2	1.1	1.1	2.3	2.5	3.3	2.7	3.3	3.4	4.1	3.1	2.5	2.0	0.4	1.6	1.9	0.9	3.1	
3	3.0	2.2	2.0	2.9	2.0	1.1	1.1	2.0	1.1	1.5	2.9	2.5	3.9	4.7	4.6	4.7	4.2	3.3	2.4	2.0	1.1	2.3	3.0	0.9	4.1	
4	2.1	2.1	1.5	1.1	1.1	0.3	0.3	0.5	0.9	0.9	1.9	2.4	2.3	3.1	3.2	3.5	3.6	2.8	1.3	1.0	0.3	1.1	1.9	0.9		
5	0.0	1.3	1.4	1.3	1.5	1.3	1.1	1.3	1.5	1.4	1.3	1.3	2.3	2.5	2.7	2.6	3.0	2.6	2.1	2.1	1.7	1.6	1.5		8.7	
6	4.4	4.3	3.3	6.0	3.6	3.4	2.6	3.0	3.7	3.1	4.3	6.7	3.7	3.5	3.0	3.1	3.7	7.0	4.7	4.0	3.0	3.2	3.7			

Note: Averages are vector averages
J005 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-90J

RESULTANT SPEED [61103]

METERS/SECOND
LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

MAY, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 12/NOV/91 *

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	2.4	0.6	1.1	1.3	1.1	1.0	1.1	2.4	1.5	0.9	0.9	0.9	2.2	2.7	3.5	2.5	2.5	2.2	2.3	2.1	1.7	0.4	2.7	3.0	0.5	3.5
2	3.4	2.3	3.4	0.7	0.4	1.1	1.0	0.8	1.8	1.2	1.4	1.7	2.8	3.8	2.9	3.4	3.3	4.2	3.8	2.2	1.1	1.5	3.1	3.1	0.9	4.2
3	1.8	1.1	2.2	3.5	2.9	2.5	0.7	0.3	0.8	0.9	1.4	2.2	2.8	2.9	3.7	4.4	4.5	4.5	4.3	2.5	2.3	2.1	1.3	2.2	0.9	4.5
4	3.7	3.0	3.3	2.0	2.0	1.0	0.9	0.9	0.9	2.0	2.2	[MT]	3.9	4.5	4.3	4.3	3.8	4.0	3.4	2.2	3.1	2.6	0.8	3.2	0.9	4.9
5	2.5	3.1	2.2	2.4	1.5	1.3	2.1	0.7	0.3	1.2	1.5	2.2	1.3	1.3	2.3	3.0	2.4	2.7	2.1	2.5	2.2	1.6	3.0	2.0	0.6	3.1
6	1.5	2.2	2.5	2.4	1.3	1.5	1.0	0.2	0.3	1.0	1.0	1.4	3.0	3.0	3.7	3.7	4.2	4.3	5.2	4.0	2.2	1.7	2.7	2.3	0.9	5.2
7	3.3	1.5	2.9	3.1	1.8	0.5	0.1	0.5	1.4	0.6	1.3	2.7	2.7	2.7	4.9	5.0	5.7	5.1	3.7	2.0	3.0	1.7	0.3	2.3	1.4	5.0
8	3.4	2.3	2.9	3.1	1.3	0.5	0.1	1.2	2.0	2.1	1.4	2.9	2.7	2.1	2.1	2.4	2.3	3.9	2.9	2.3	2.3	0.4	1.5	0.9	0.9	3.9
9	2.7	3.1	2.6	0.5	1.9	2.6	1.1	2.7	1.3	0.4	0.6	2.7	7.3	7.1	8.3	9.4	8.1	7.3	6.3	4.5	2.3	3.0	2.3	1.3	3.1	9.4
10	1.3	1.1	1.0	0.3	2.5	2.5	1.6	1.2	1.6	2.4	3.3	3.0	7.0	5.2	5.5	7.5	7.7	7.2	6.5	4.3	3.3	2.1	1.6	2.1	3.3	7.7
11	1.3	1.1	2.7	2.5	3.4	2.7	2.0	2.2	2.2	1.5	1.3	4.2	4.0	4.1	5.9	6.7	5.4	5.0	4.4	3.7	3.0	2.4	0.3	1.5	2.3	6.9
12	2.1	2.7	2.2	2.5	0.5	0.4	0.4	1.3	2.2	2.3	2.9	4.1	2.3	2.3	4.7	5.2	6.3	6.4	6.1	4.9	4.1	2.9	1.5	2.4	1.5	4.7
13	2.2	2.2	1.9	1.0	0.5	0.4	0.7	1.5	2.1	3.1	4.5	4.6	5.0	6.7	6.2	6.6	7.0	6.0	5.5	5.3	3.3	1.3	1.5	1.3	3.0	7.0
14	2.2	2.2	1.9	0.7	0.3	1.1	2.9	4.2	2.3	2.5	2.5	3.5	4.9	7.3	6.3	5.6	3.7	5.0	4.5	3.5	3.3	2.0	1.3	1.0	2.3	7.3
15	1.4	0.3	0.3	1.5	2.5	3.1	1.7	2.7	0.4	4.2	1.9	0.7	3.9	1.4	1.9	2.6	5.5	3.4	2.3	3.7	1.9	1.9	1.4	1.3	0.7	5.5
16	1.2	1.2	1.5	2.4	2.5	3.1	1.1	3.0	3.0	1.3	1.3	2.4	4.1	4.5	5.5	6.7	[MT]	[MT]	5.2	3.7	1.6	0.3	1.3	2.1	1.2	5.7
17	3.0	2.5	1.5	2.4	2.5	3.1	1.1	2.4	2.3	2.7	2.4	2.1	2.3	2.1	3.1	2.9	3.6	4.0	3.9	2.1	1.4	1.7	0.9	0.4	0.3	3.2
18	1.4	2.4	2.5	2.4	1.3	0.5	0.6	1.3	2.3	2.7	1.5	1.6	2.4	2.6	4.5	3.0	3.1	2.7	3.4	2.3	2.1	1.2	2.4	3.3	0.6	4.0
19	3.5	3.7	1.4	1.5	1.0	0.7	0.7	0.6	1.1	1.3	1.4	3.1	4.1	3.4	4.5	4.1	3.1	4.2	3.3	2.5	2.9	0.5	3.5	3.5	0.7	3.5
20	3.4	3.2	1.9	1.5	0.7	0.9	1.3	2.1	2.2	2.0	2.0	3.1	2.3	3.0	2.5	3.5	4.9	4.9	3.5	2.4	2.3	1.4	2.0	3.4	0.9	4.9
21	1.7	1.6	1.9	1.4	1.1	0.1	0.5	0.5	0.7	1.1	2.0	2.9	3.3	2.3	3.2	2.9	4.3	5.4	5.0	3.4	2.6	2.3	0.6	2.7	1.4	5.4
22	2.7	1.0	1.3	2.7	1.4	0.6	0.8	2.1	0.9	2.2	1.7	3.4	3.2	3.3	6.5	6.7	6.6	6.4	5.9	4.3	3.0	1.6	1.3	3.0	2.2	6.7
23	3.1	2.3	2.3	2.5	1.5	0.6	1.5	2.9	2.2	1.7	1.9	3.4	2.7	4.3	5.1	5.3	5.6	5.5	4.5	2.9	1.2	0.3	3.0	2.6	1.6	5.6
24	1.9	2.1	2.3	3.1	1.5	1.0	1.0	0.6	1.6	0.6	1.6	1.5	1.3	3.1	2.4	1.2	2.5	2.3	2.1	2.3	2.2	1.2	3.0	1.5	0.7	3.1
25	2.3	2.2	3.1	1.5	2.7	2.3	1.5	1.3	1.3	2.0	3.6	2.3	1.4	4.0	5.9	6.2	5.9	6.0	5.3	3.4	1.3	1.6	1.7	2.1	2.2	6.2
26	2.4	2.5	2.1	1.4	2.7	2.3	1.5	4.7	3.0	2.3	2.0	2.3	4.5	5.6	5.4	6.0	6.3	5.9	5.2	4.9	4.6	2.2	1.3	1.7	2.3	6.3
27	0.9	0.5	0.9	0.2	2.0	1.6	1.5	4.7	3.0	2.3	2.0	2.3	4.5	5.6	5.4	6.0	6.3	5.9	5.2	4.3	3.9	1.3	0.9	1.4	3.2	7.9
28	1.1	0.2	1.0	0.5	1.0	2.2	4.1	3.1	1.2	2.0	5.4	6.3	7.1	7.3	7.5	7.9	7.6	7.1	5.9	4.3	2.8	1.0	1.1	2.3	2.3	6.3
29	1.0	0.7	2.0	1.5	1.1	2.0	2.3	1.9	3.9	4.1	5.2	5.1	6.0	5.1	5.3	4.3	6.0	6.3	5.3	4.1	2.8	0.8	2.4	2.6	2.3	6.3
30	1.0	0.7	2.0	1.5	1.1	2.0	2.3	1.9	3.9	4.1	5.2	5.1	6.0	5.1	5.3	4.3	6.0	6.3	5.3	4.1	2.8	0.8	2.4	2.6	2.3	6.3
31	2.5	1.9	2.9	1.5	0.5	1.7	0.9	0.3	0.3	1.0	1.3	3.5	2.2	2.9	3.1	3.0	4.2	3.6	3.3	2.9	1.3	0.3	2.4	2.6	1.1	4.2
AVG	2.1	1.3	1.3	1.2	1.0	0.7	0.9	1.3	1.3	1.5	1.3	2.3	2.9	3.5	3.9	4.0	3.7	3.8	3.4	2.4	1.6	0.7	1.3	1.9	1.4	
1SD	1.3	1.2	1.2	1.4	1.5	1.5	1.3	1.7	1.4	1.6	1.9	2.0	2.7	2.5	2.3	3.2	3.5	3.3	3.0	2.4	2.2	1.7	1.4	1.3		
PK	3.7	3.7	3.4	3.5	3.4	3.1	4.1	4.7	3.9	4.3	5.4	6.3	7.3	7.3	8.3	9.4	9.1	7.8	6.3	5.3	4.6	3.0	3.5	3.5		9.4

Version: LC:25-NOV-90J

Note: Averages are Vector averages
DU005 [Program: EDMS_MONTHSUM]

RESULTANT SPEED [61103]

METERS/SECOND

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM. TUCSON, AZ

JUN, 1989

AEROVIRONMENT INC.

FINAL DATA #
AS OF 28/DEC/90 #

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
2.4	2.7	2.8	3.5	2.8	2.0	1.6	0.3	0.3	0.2	0.9	1.7	2.7	2.0	2.6	2.1	3.3	4.0	5.0	4.3	2.6	0.7	1.2	1.7	1.7	1.5	5.0
1.3	1.8	3.4	2.1	2.4	1.6	2.1	2.2	0.7	2.1	1.2	1.4	2.8	2.1	3.9	4.6	5.8	5.5	4.9	4.7	3.3	0.7	1.2	1.7	1.7	1.7	5.8
2.6	1.5	0.9	2.3	2.8	0.9	0.5	1.4	2.1	2.1	2.5	2.6	3.6	4.1	2.4	3.1	3.8	4.2	4.3	4.2	3.1	1.7	2.0	2.2	2.0	1.7	4.3
1.2	3.7	3.0	4.1	3.7	1.5	2.3	0.8	1.3	1.3	1.8	2.0	2.1	3.1	2.4	3.1	3.8	4.1	4.7	4.5	2.6	2.0	2.5	1.2	1.9	1.7	4.7
0.5	0.3	2.4	1.4	2.7	2.0	2.3	4.1	0.6	1.2	1.2	1.5	2.2	3.0	4.3	4.5	4.6	5.1	5.1	4.4	2.6	2.0	1.7	1.6	1.3	1.7	5.1
3.3	3.5	2.5	1.6	0.6	0.5	1.0	0.5	1.7	1.5	2.0	1.3	2.1	2.5	3.0	3.3	3.7	5.5	4.3	4.5	3.2	2.0	2.3	2.3	1.2	1.4	5.5
1.2	1.5	2.6	2.6	1.2	1.5	1.3	0.4	0.4	2.6	2.0	2.5	4.6	5.4	2.9	2.9	2.6	1.9	2.7	4.2	3.7	2.1	1.3	1.4	1.1	1.2	4.2
2.6	2.3	2.3	1.3	0.9	0.9	2.0	3.2	4.1	4.1	3.2	2.2	2.1	3.3	3.1	2.1	2.6	3.7	6.0	6.5	4.6	3.0	2.4	3.3	2.5	2.3	6.9
0.7	2.6	1.0	1.0	1.1	0.8	2.0	4.0	3.7	3.7	2.7	2.7	3.7	3.3	4.3	5.3	5.0	5.2	4.5	5.7	3.4	3.5	2.5	1.6	0.5	2.0	5.7
1.9	2.2	3.6	1.5	1.9	1.1	2.7	1.5	1.4	1.9	2.7	1.9	2.2	2.2	3.2	2.5	3.4	3.3	3.7	3.0	2.9	2.4	1.3	1.4	1.5	2.2	5.7
2.6	3.0	1.3	1.3	2.6	2.3	1.3	3.2	2.5	1.3	2.0	2.7	2.9	2.9	3.9	4.6	5.1	4.9	4.9	4.4	2.9	2.7	2.5	0.5	2.2	1.2	5.1
0.9	2.5	2.7	1.5	0.3	0.3	1.9	1.4	1.4	1.3	1.1	1.4	2.7	3.9	4.6	5.7	5.7	6.2	5.3	4.9	3.4	2.3	1.6	1.7	1.3	1.7	6.2
2.0	1.3	1.7	2.1	1.2	0.4	2.3	3.4	2.0	2.0	2.2	2.5	3.0	3.3	3.3	4.2	5.1	4.7	4.6	4.5	3.2	2.2	3.3	1.6	2.1	0.9	4.7
2.2	2.3	1.7	1.7	2.6	2.1	0.9	2.0	0.1	1.4	1.4	2.1	3.2	3.1	3.7	3.9	4.1	5.3	5.0	4.5	3.2	2.6	2.3	1.6	2.1	1.6	5.3
0.5	0.5	1.3	1.2	1.0	1.4	0.3	0.5	1.3	1.3	1.0	1.4	2.3	3.1	3.6	3.2	3.3	3.4	3.6	4.3	2.9	1.7	3.4	2.6	2.1	1.6	5.0
2.9	2.5	2.9	3.6	2.3	2.3	0.7	0.8	0.3	1.4	0.9	1.1	2.3	2.3	2.3	4.0	4.7	5.2	5.1	5.7	2.3	2.3	1.3	2.3	2.2	1.3	4.3
4.6	2.6	2.2	0.9	2.0	2.6	1.0	1.4	1.4	1.5	1.8	2.6	2.4	4.5	6.4	3.0	7.3	3.1	7.3	7.0	3.5	2.3	1.6	0.3	2.7	1.0	5.7
3.2	4.3	1.9	2.5	1.1	1.7	3.5	1.4	0.8	0.8	2.3	1.7	2.2	3.1	2.9	3.0	7.3	3.7	3.9	3.1	5.5	3.5	2.2	0.4	3.0	2.1	3.1
2.6	1.5	0.3	1.2	1.1	2.1	3.0	2.6	1.4	1.6	1.2	2.1	2.6	2.6	4.1	4.7	5.3	6.9	6.7	5.4	1.6	1.0	1.5	2.1	2.5	0.3	4.3
3.4	2.6	2.7	2.9	1.9	1.4	3.3	1.7	3.0	3.0	2.3	4.6	4.0	4.5	5.2	5.3	3.1	5.4	5.2	5.1	3.5	1.3	3.6	2.1	1.4	1.9	6.9
3.2	1.5	1.5	1.5	3.4	2.7	1.0	3.3	1.7	4.1	4.1	2.3	5.2	6.6	7.3	6.3	5.9	7.4	7.2	6.7	5.0	2.6	0.5	2.9	3.1	2.1	5.3
2.6	1.9	1.3	0.5	1.1	0.4	0.6	1.1	3.7	1.7	1.9	2.3	1.9	3.3	4.4	5.6	5.2	5.0	5.2	4.3	3.3	2.3	1.4	0.7	2.6	3.6	3.6
3.3	1.5	2.2	3.3	1.3	1.2	0.6	0.2	2.4	1.7	1.9	2.1	3.0	3.1	3.4	3.9	3.2	4.0	4.3	3.3	2.2	2.4	1.8	0.6	2.0	1.7	5.6
3.3	4.1	4.0	4.1	3.6	3.3	3.1	3.1	3.4	2.7	1.5	1.9	2.5	3.0	2.7	2.3	2.2	2.1	2.4	2.3	1.3	2.2	0.9	1.9	2.7	1.9	4.0
1.3	2.9	3.4	0.9	0.1	0.7	2.5	3.4	2.1	1.8	1.8	1.7	2.1	3.0	2.0	2.3	3.2	4.5	1.3	2.3	0.7	2.9	2.6	2.4	2.4	1.1	7.3
2.2	3.3	1.3	1.0	2.1	1.3	0.4	1.6	0.3	2.1	0.6	0.1	2.1	1.9	3.0	3.5	3.2	3.4	4.6	1.4	0.7	2.5	2.1	1.5	0.3	1.1	5.1
2.3	2.3	3.5	3.3	1.7	0.9	1.3	1.1	1.1	0.3	1.5	2.0	1.5	1.6	2.9	2.1	3.3	5.2	5.0	5.1	3.2	2.1	1.6	1.7	2.4	1.2	5.2
2.0	2.3	2.0	2.0	1.3	1.0	1.0	1.3	1.4	1.4	1.6	1.7	2.3	2.3	3.3	3.7	4.0	3.9	3.9	3.3	2.6	1.5	0.9	0.5	1.5	1.3	
1.4	1.0	1.4	1.4	1.7	1.4	1.7	1.7	1.6	1.6	1.3	1.5	1.6	1.3	2.3	2.7	2.7	3.4	3.1	2.9	2.3	1.9	2.1	0.5	1.5	1.3	
4.5	4.3	4.0	4.1	3.7	3.3	3.5	4.1	4.1	4.1	4.1	4.6	5.2	6.6	7.3	3.6	3.1	3.1	7.3	7.0	5.5	4.4	3.3	3.3	1.5	1.5	3.6

ee: Averages are vector averages
05 [Program: EDMS_MONTHSUM

Version: LC: 26-NOV-90]

RESULTANT SPEED [61103]

METERS/SECOND
LEVEL HEIGHT :

10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM, TUCSON, AZ

JUL, 1989

AEROVIRONMENT INC.

FINAL DATA #
AS OF 13/NOV/91 #

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	3.0	1.9	3.6	1.4	3.0	3.0	1.4	0.5	1.7	1.4	1.5	2.3	3.3	2.9	3.3	3.9	4.7	6.0	5.2	3.7	2.7	2.3	1.6	1.1	1.4	6.0
2	3.2	2.8	4.0	2.8	1.0	0.8	1.0	0.3	1.1	1.4	1.9	2.2	2.3	3.5	4.1	4.9	4.1	4.8	4.2	2.8	1.9	2.1	1.2	1.8	1.4	4.9
3	3.6	2.8	4.0	1.5	1.5	1.5	1.2	3.6	1.2	1.1	1.7	1.8	2.5	4.6	6.9	7.4	8.3	7.5	6.8	4.8	1.6	0.9	2.0	0.6	1.6	8.3
4	1.8	8.8	6.2	2.5	1.4	1.5	1.9	3.3	2.0	1.1	2.9	3.1	3.2	4.0	5.0	5.1	5.4	6.0	5.7	4.0	4.2	3.5	3.0	2.2	0.7	8.8
5	2.1	3.0	0.8	1.5	2.4	1.7	3.4	3.1	1.4	1.5	1.6	2.0	1.4	0.7	2.1	2.2	1.7	1.6	2.7	4.6	3.3	4.3	3.8	2.7	0.4	4.6
6	2.6	2.5	2.4	2.2	0.5	2.2	4.7	3.2	1.0	1.0	1.3	2.6	2.0	1.5	3.4	4.1	3.6	3.2	4.0	0.9	0.9	1.8	3.3	2.9	1.1	4.7
7	3.0	2.5	2.9	2.2	1.8	2.5	2.1	0.9	0.7	2.1	3.0	2.5	2.3	4.3	4.2	2.1	2.3	4.4	6.5	5.3	3.7	5.1	3.3	1.1	1.6	6.5
8	1.1	1.5	3.1	1.6	2.0	1.9	0.5	2.3	0.1	1.1	1.2	2.1	2.5	2.6	4.2	4.4	4.6	4.3	0.4	5.5	4.0	2.7	3.1	4.1	0.2	5.5
9	1.4	1.4	2.2	2.7	1.6	1.9	0.4	2.3	0.1	0.3	1.0	2.4	1.5	5.5	3.3	3.0	4.4	1.9	0.3	3.2	2.1	1.4	2.4	2.8	0.8	5.5
10	1.6	3.6	2.2	1.4	0.3	0.8	1.9	1.4	1.7	0.9	0.7	1.8	2.3	2.5	3.7	2.7	2.3	4.0	3.9	4.2	2.0	1.4	0.8	2.2	0.7	4.0
11	1.6	3.6	2.2	1.4	0.3	0.8	1.9	1.4	1.7	0.9	0.7	1.8	2.3	2.5	3.7	2.7	2.3	4.0	3.9	4.2	2.0	1.4	0.8	2.2	0.7	4.0
12	2.9	1.4	0.6	0.2	1.7	1.5	1.9	1.0	0.5	1.0	1.3	1.8	2.3	2.7	2.5	3.1	4.4	5.5	6.3	5.1	3.3	1.8	1.0	2.3	1.2	6.3
13	2.3	2.4	3.0	2.5	3.6	3.5	3.0	3.2	3.0	2.1	2.0	2.6	3.0	3.1	3.9	5.3	5.3	6.2	5.5	5.0	2.6	3.5	2.3	2.2	1.7	6.2
14	3.1	2.6	1.3	2.0	3.6	1.1	1.7	1.5	1.6	2.0	2.5	3.4	3.2	2.2	2.2	2.9	3.7	4.0	4.0	2.9	4.1	4.2	3.4	1.8	0.6	5.7
15	2.8	2.7	2.9	2.4	0.4	2.4	3.1	1.2	1.1	1.2	1.3	0.1	3.2	2.2	2.6	3.2	3.5	3.0	3.8	2.1	0.8	1.5	2.6	1.9	0.3	3.8
16	4.0	3.2	2.7	2.8	1.2	1.3	2.0	2.6	1.1	1.2	1.3	0.1	3.2	2.2	2.6	3.2	3.5	3.0	3.8	2.9	7.1	7.9	6.5	3.2	1.0	7.9
17	0.7	1.9	4.5	1.1	2.8	0.9	3.3	1.9	0.9	4.5	2.9	4.9	5.5	5.2	6.1	6.1	4.9	3.3	4.0	3.7	5.3	6.7	5.1	7.2	2.9	7.2
18	3.1	3.4	4.5	1.1	2.8	0.9	3.3	1.9	0.9	4.5	2.9	4.9	5.5	5.2	6.1	6.1	4.9	3.3	4.0	3.7	5.3	6.7	5.1	7.2	2.9	7.2
19	2.0	5.3	4.5	1.1	2.8	0.9	3.3	1.9	0.9	4.5	2.9	4.9	5.5	5.2	6.1	6.1	4.9	3.3	4.0	3.7	5.3	6.7	5.1	7.2	2.9	7.2
20	3.7	1.7	4.7	7.6	4.8	1.7	2.1	2.1	2.4	1.7	4.2	5.1	2.3	1.6	[MT]	2.1	2.3	3.5	6.3	2.9	2.8	5.8	1.9	4.0	1.0	6.7
21	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]
22	1.8	1.9	1.3	2.3	3.7	2.1	1.9	3.1	3.0	3.2	2.5	1.3	2.6	3.2	2.1	3.6	6.7	4.3	1.2	3.9	2.9	0.8	1.9	2.4	1.0	6.7
23	1.4	2.1	2.0	2.6	2.0	1.4	1.9	2.3	1.4	1.1	3.0	3.7	1.3	2.2	2.1	2.3	2.7	3.5	5.5	4.6	3.6	3.4	2.8	2.4	1.1	5.5
24	1.3	0.8	0.7	0.9	2.0	1.6	0.7	0.9	0.9	2.2	1.9	1.6	2.0	1.5	5.6	2.6	4.9	5.4	4.8	2.2	0.9	2.0	1.5	1.4	0.5	5.6
25	2.9	1.9	1.9	2.7	0.5	4.4	3.0	3.9	2.5	4.1	3.7	1.1	0.8	2.2	1.9	4.4	5.1	6.7	11.1	8.8	1.6	3.7	2.2	2.8	0.1	11.1
26	0.5	1.9	0.6	2.3	0.8	0.4	0.5	0.4	1.5	4.1	3.7	1.1	0.8	2.2	1.9	3.7	2.0	6.6	5.8	1.5	1.0	2.7	1.2	0.5	1.3	6.6
27	1.1	2.5	1.7	1.6	2.1	2.7	0.9	1.2	1.1	[MT]	0.6	0.6	2.0	2.5	2.2	2.7	3.1	6.3	5.2	5.0	3.6	1.2	1.9	2.1	0.7	6.3
28	1.9	1.9	1.5	2.3	3.0	3.4	4.2	2.0	1.1	2.2	1.9	2.3	2.0	2.1	1.9	2.6	2.3	2.4	5.3	3.9	1.8	1.9	0.6	1.5	1.2	5.3
29	1.8	1.0	0.4	1.6	1.4	0.8	0.4	1.2	0.6	1.3	1.3	1.4	1.8	2.2	1.0	3.7	5.3	1.0	2.5	3.0	2.4	2.4	1.9	1.6	0.4	5.3
30	2.3	1.7	2.1	2.4	1.4	1.5	1.5	1.4	1.0	1.0	2.0	1.8	2.4	2.2	3.4	3.9	3.6	3.1	1.1	1.7	0.5	2.2	3.1	1.0	0.9	3.9
31	1.5	1.1	0.6	0.7	1.8	0.7	1.5	0.5	1.1	0.7	0.9	1.0	1.8	2.4	1.2	1.7	2.9	2.5	2.4	1.5	2.4	3.4	2.4	2.7	0.1	3.4

	AV	SD	PK	
1.6	1.8	1.8	1.4	1.4
1.8	2.3	2.1	1.6	2.4
4.0	8.8	6.2	4.7	7.2
				11.1

Note: Averages are vector averages
CUCOS [Program: EDMS_MONTHSUM
Version: LC: 26-NOV-90]

LEVEL HEIGHT :

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM. TUCSON, AZ

AUG. 1989

AEROVIRONMENT INC.

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*****  
**          **  
** FINAL DATA **  
** AS OF 28/DEC/90 **  
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Y	CLOCK HOUR LOCAL STANDARD TIME																								AVG	PEAK
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	3.4	4.8	3.8	3.9	2.6	3.3	1.1	2.4	0.6	1.0	1.9	2.0	2.5	2.6	2.2	2.4	3.4	4.0	3.2	4.7	6.6	5.3	2.2	1.2	1.0	6.6
2	1.0	2.3	2.8	1.4	2.1	1.1	1.2	0.5	1.5	1.4	1.0	1.9	1.6	1.8	2.4	2.4	2.4	3.4	0.3	1.2	0.9	2.0	1.2	1.4	0.2	3.4
3	0.4	0.7	0.9	1.1	2.0	1.0	1.3	1.0	1.5	2.4	2.1	2.3	2.3	1.6	6.2	4.0	3.8	2.5	1.5	0.3	1.2	1.3	1.0	2.1	0.4	2.2
4	2.5	1.9	1.6	1.2	1.3	2.5	1.7	0.3	0.5	3.3	4.3	4.3	3.6	3.1	4.0	2.1	2.7	3.4	3.5	0.4	1.7	1.3	2.4	2.1	0.4	6.2
5	0.7	1.2	0.8	1.2	1.3	1.5	1.9	0.9	0.2	1.4	1.1	1.8	0.7	2.5	2.4	1.2	1.4	2.8	2.2	6.8	2.6	3.5	1.8	4.3	0.6	4.3
6	2.8	2.9	2.8	2.4	2.3	2.9	0.6	1.4	0.5	2.2	0.9	2.4	1.2	1.3	1.2	1.8	1.6	1.2	3.0	3.2	1.6	0.8	2.9	2.4	0.3	6.3
7	4.8	4.4	5.1	4.9	2.3	2.9	0.3	0.8	1.3	1.4	0.9	2.5	2.4	2.1	1.3	1.7	4.7	4.4	4.6	4.0	3.7	2.6	1.8	2.6	1.0	4.6
8	3.0	2.8	3.1	2.4	2.6	2.4	1.0	0.7	2.5	4.0	2.1	1.2	1.1	2.3	2.5	2.9	4.6	3.8	3.4	5.7	3.5	2.8	1.5	0.8	1.2	5.7
9	1.5	1.5	1.0	1.5	2.5	0.8	1.6	0.9	1.5	0.7	1.2	1.1	1.8	2.5	2.5	2.9	4.6	3.5	5.1	4.0	2.9	1.5	2.4	1.4	0.8	4.8
10	1.0	0.8	0.8	2.7	2.5	0.3	1.7	0.8	1.2	1.4	1.3	2.3	2.7	1.8	1.1	4.3	4.5	5.1	3.4	2.1	1.0	1.7	2.8	1.3	1.3	4.8
11	2.1	2.4	2.2	5.4	7.1	2.5	1.9	1.5	1.2	1.4	1.3	2.3	2.7	1.8	1.1	4.3	4.5	5.1	3.4	2.1	1.0	1.7	2.8	1.3	1.3	4.6
12	2.7	5.4	3.5	3.9	4.1	1.9	1.3	1.9	2.6	0.9	1.6	1.4	2.3	1.1	2.0	3.0	1.0	5.1	3.4	0.7	1.3	0.9	2.8	2.0	1.3	5.1
13	2.0	2.7	1.9	1.8	1.7	2.6	1.3	1.5	2.7	1.5	1.6	1.3	2.7	2.2	2.4	2.8	4.4	5.1	3.4	0.7	1.3	0.9	2.8	2.0	1.3	4.6
14	2.9	2.1	2.2	0.5	1.7	1.2	1.7	1.9	3.0	0.9	1.1	2.3	1.4	2.4	2.4	2.9	2.7	3.5	3.6	2.7	1.4	1.5	2.4	1.3	1.2	5.1
15	2.6	1.9	2.9	2.7	1.0	0.7	1.6	2.4	0.9	1.1	2.4	1.9	1.3	2.2	2.1	3.8	4.7	5.2	2.6	2.1	2.9	3.2	3.0	4.0	1.3	4.6
16	2.4	1.3	2.3	1.6	0.7	1.9	1.6	2.4	3.0	0.9	1.1	2.3	1.4	2.4	2.4	2.9	2.7	3.5	3.6	2.7	1.4	1.5	2.4	1.3	1.2	5.1
17	2.6	0.8	2.2	2.8	2.2	2.4	1.4	2.4	1.1	1.7	2.1	2.3	2.4	4.2	4.1	4.5	3.5	3.7	3.0	1.7	1.4	1.8	0.2	2.0	0.8	5.1
18	1.9	0.3	1.2	1.8	0.8	0.7	1.5	0.8	4.0	1.9	2.0	1.9	1.7	3.3	3.3	4.5	3.1	3.4	3.3	1.7	1.4	1.8	0.2	2.0	0.8	5.1
19	2.4	1.4	2.4	2.7	1.4	2.4	1.4	2.4	1.1	1.7	2.1	2.3	2.4	4.1	4.1	4.5	3.5	3.7	3.0	1.7	1.4	1.8	0.2	2.0	0.8	5.1
20	6.6	0.9	2.0	2.7	1.0	0.7	1.9	2.4	0.9	1.1	2.4	1.9	1.3	2.2	2.1	3.8	4.7	5.2	2.6	2.1	2.9	3.2	3.0	4.0	1.3	4.6
21	5.3	2.0	1.3	1.6	0.3	0.7	1.5	0.8	1.2	1.4	1.3	2.3	2.7	1.8	1.1	4.3	4.5	5.1	3.4	0.7	1.3	0.9	2.8	2.0	1.3	4.6
22	2.2	1.2	1.0	2.4	2.4	1.8	2.4	1.8	2.4	1.8	2.4	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
23	1.2	1.4	2.1	4.3	4.3	1.8	2.4	2.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
AVG	1.0	0.2	0.4	0.6	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
PEAK	6.6	3.4	2.2	4.3	6.3	4.3	6.3	4.3	6.3	4.3	6.3	4.3	6.3	4.3	6.3	4.3	6.3	4.3	6.3	4.3	6.3	4.3	6.3	4.3	6.3	4.3

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005  ie: Averages are vector averages
      Program: EDMS_MONTHSUM

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Version:

LC: 26-NOV-90

RESULTANT SPEED [61103]

METERS/SECOND

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

SEP, 1989

AEROENVIRONMENT INC.

FINAL DATA
AS OF 28/DEC/90

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	3.1	1.6	1.2	1.9	1.9	2.7	1.6	1.2	0.9	1.4	1.3	1.6	2.4	2.0	2.4	3.2	4.3	5.1	5.2	4.3	2.5	4.4	5.3	4.2	0.8	5.3
2	3.2	3.6	2.4	3.2	3.2	2.4	0.6	2.1	2.0	1.8	1.4	1.2	1.4	1.4	1.7	2.3	4.3	3.5	3.4	1.6	0.6	2.7	3.0	2.2	0.8	3.6
3	2.2	1.2	2.2	2.2	1.9	2.1	1.4	1.3	1.3	1.0	1.4	2.3	3.2	2.9	3.2	2.2	4.9	8.7	3.7	1.2	2.6	1.9	1.1	2.8	1.1	8.7
4	1.9	2.0	2.0	1.2	0.8	0.6	1.2	0.5	0.9	0.9	1.3	1.2	2.9	2.3	2.9	2.3	1.4	2.1	4.0	2.4	0.5	1.0	2.8	3.5	0.4	4.0
5	2.0	1.0	1.0	1.6	2.4	1.1	0.2	0.4	1.6	1.9	1.4	1.1	1.5	1.3	2.1	1.7	2.0	1.3	1.7	2.8	3.7	4.3	4.6	4.3	1.1	4.6
6	3.5	3.5	3.3	2.4	3.0	1.5	1.7	1.5	1.9	1.7	1.5	1.6	2.2	1.9	1.6	1.6	2.1	1.5	4.5	3.8	3.3	1.8	3.6	3.4	1.5	4.5
7	2.0	1.4	1.5	0.7	1.1	1.7	1.2	1.4	1.0	2.3	1.4	2.0	2.8	2.0	2.8	2.7	3.3	4.2	2.0	1.0	1.2	2.0	2.8	2.7	0.6	4.2
8	3.0	2.3	2.6	1.8	1.8	0.5	0.3	0.5	1.6	0.8	0.4	2.2	3.2	2.3	3.6	3.6	4.0	4.0	3.4	1.6	1.8	2.6	2.7	3.0	1.0	4.0
9	2.8	2.7	0.9	0.9	1.4	1.5	1.2	0.9	1.0	0.2	0.7	1.0	2.8	2.6	2.5	1.9	3.8	4.4	4.2	2.7	1.7	3.0	3.4	2.6	1.1	4.4
1	2.7	2.6	1.1	2.5	2.6	1.6	2.0	2.4	1.5	1.5	3.4	3.6	3.9	3.4	4.3	4.7	5.0	5.8	4.9	3.3	2.1	2.7	2.7	2.7	2.1	5.8
2	2.4	2.0	2.5	1.6	0.9	1.2	1.0	1.0	0.9	0.7	2.2	6.2	7.7	7.6	7.3	7.2	7.0	6.2	4.2	2.8	1.9	1.2	1.2	1.4	2.0	7.7
3	1.6	1.9	2.4	1.6	1.2	0.6	1.3	0.5	1.0	0.8	1.2	2.3	3.3	2.6	3.3	3.3	3.4	3.3	2.9	2.9	1.9	1.5	2.2	2.4	0.7	3.4
4	2.6	1.8	0.5	1.4	2.1	1.7	0.3	0.5	0.7	1.1	1.7	1.7	1.5	[MT]	2.2	2.3	3.4	4.8	4.0	1.9	0.4	1.9	3.2	2.4	0.5	4.8
5	1.0	0.8	0.8	1.3	1.9	2.3	1.2	0.4	1.7	1.3	5.8	3.7	1.7	2.5	2.0	0.8	1.4	1.9	1.1	1.2	1.5	2.1	2.3	3.3	0.8	5.8
6	3.0	2.9	4.1	2.2	2.0	2.9	1.5	1.9	4.3	3.6	4.4	3.8	4.3	3.9	2.7	2.7	2.7	2.6	2.2	2.8	3.5	3.4	2.5	2.2	2.9	4.4
7	1.3	2.7	2.9	3.3	3.4	2.6	1.3	1.4	0.8	0.7	0.6	1.9	2.5	4.2	6.8	7.1	6.6	6.1	4.3	3.7	2.3	0.7	0.9	1.2	2.2	7.1
8	0.5	1.5	0.8	0.7	1.8	1.7	1.6	3.5	4.0	2.7	4.4	4.9	4.7	4.8	4.6	4.5	4.7	4.5	3.4	1.6	1.9	1.4	0.4	0.9	1.5	4.9
9	2.7	2.6	1.0	1.2	0.4	1.7	1.5	1.3	4.3	3.8	2.3	2.6	5.6	5.6	6.9	6.9	7.4	6.9	5.9	3.5	2.8	0.9	1.3	1.1	2.2	7.4
0	0.9	0.3	1.8	1.0	1.0	2.3	2.0	2.6	1.3	1.3	1.5	2.5	1.9	2.7	2.3	2.8	3.0	3.4	3.6	1.4	0.5	3.3	3.5	2.3	0.7	3.6
1	1.4	2.0	1.1	2.1	0.8	0.8	1.1	0.7	0.4	[MT]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	0.5	2.1
2	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[]	[]
3	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[]	[]
4	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[]	[]
5	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[]	[]
6	6.9	6.2	5.7	5.3	6.0	6.1	5.2	4.8	5.9	6.9	6.0	5.0	4.8	3.6	4.8	2.6	3.2	3.7	3.5	4.4	5.4	5.8	6.4	6.8	3.3	6.8
7	5.1	6.5	5.9	5.6	4.1	3.8	3.4	5.1	6.8	7.3	6.9	5.8	5.8	5.9	6.1	5.2	4.9	5.0	4.9	4.1	4.8	4.1	3.3	4.1	4.6	6.9
8	2.4	1.5	1.3	1.7	1.0	1.2	0.5	0.3	2.0	5.2	5.7	5.8	5.1	4.8	2.8	2.0	3.2	3.7	4.0	1.8	5.8	5.5	4.3	3.8	5.4	7.9
9	3.9	4.6	3.8	1.9	2.8	2.6	2.0	1.7	3.0	6.4	6.7	5.9	5.5	5.7	4.6	4.7	4.7	4.1	3.8	4.6	5.9	7.5	6.8	6.2	4.4	7.5
0	4.6	4.0	4.3	1.7	1.5	3.2	1.5	1.9	0.4	3.9	3.1	1.4	2.3	2.4	2.3	2.7	3.1	3.6	2.3	1.7	0.7	2.5	1.5	0.9	1.1	4.6
Y	2.3	2.1	1.9	1.5	1.5	1.5	1.1	0.9	1.0	1.6	1.8	1.5	2.0	2.1	2.1	1.9	1.8	1.8	0.9	0.4	1.5	2.1	2.5	2.6	1.2	
D	1.9	2.1	2.0	1.8	1.9	1.8	1.5	1.8	2.5	2.8	3.0	3.1	3.1	3.3	3.4	3.4	3.8	4.2	3.8	3.1	2.9	2.7	2.2	2.0		
K	6.9	6.5	5.9	5.6	6.0	6.1	5.2	5.1	6.8	7.3	6.9	6.2	7.7	7.6	7.3	7.2	7.4	8.7	5.9	6.7	7.9	7.5	6.8	6.8		8.7

Note: Averages are vector averages
U005 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-90]

RESULTANT SPEED [611031]

METERS/SECOND

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

OCT, 1989

AEROVIRONMENT INC.

FINAL DATA #
AS OF 28/DEC/90 #

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	0.5	1.6	3.0	2.7	1.8	2.3	1.0	2.1	0.7	0.6	0.6	3.8	5.2	2.3	2.7	2.9	4.1	3.7	2.8	2.2	2.9	2.9	2.9	2.5	1.5	5.2
2	2.5	1.0	3.0	1.1	1.3	1.5	1.2	1.0	0.8	1.7	2.3	3.6	5.8	4.4	3.9	3.2	2.3	3.8	1.3	2.0	1.7	2.9	2.8	2.5	1.3	5.8
3	2.3	1.3	1.3	1.4	1.1	0.8	1.5	0.9	1.3	2.4	2.3	2.1	2.4	1.8	0.3	0.9	1.7	4.0	2.1	2.3	0.7	1.7	2.5	1.4	0.9	4.0
4	0.2	1.5	0.8	0.7	3.5	1.0	1.3	2.5	6.1	3.0	2.3	1.4	0.5	0.8	0.3	0.9	4.1	2.4	1.5	2.0	1.4	3.3	2.4	1.5	1.0	6.1
5	1.8	2.4	6.4	3.1	3.8	7.6	1.7	1.9	3.1	2.9	2.2	1.1	1.5	0.9	1.3	[MT]	[RF]	1.1	1.5	2.0	1.4	1.1	0.8	0.6	1.2	8.8
6	2.3	1.6	2.0	0.5	1.0	1.3	1.7	0.5	0.6	0.6	0.9	1.1	1.5	2.2	2.1	2.1	1.3	2.0	1.5	1.4	1.0	1.1	2.6	2.9	0.1	8.8
7	2.6	1.3	1.4	1.1	1.2	1.2	1.2	1.5	1.3	0.8	0.9	1.5	1.7	2.3	2.6	1.9	1.7	1.9	2.7	1.1	0.4	2.0	3.0	3.7	0.4	3.7
8	1.7	2.2	0.7	1.0	0.4	0.8	0.9	1.1	0.7	0.5	1.1	1.9	1.9	2.5	2.6	1.5	3.0	2.6	2.4	1.3	1.5	2.7	1.8	0.8	0.5	3.0
9	0.9	0.6	0.4	1.5	0.6	0.5	2.8	1.1	0.6	3.4	5.2	3.4	5.2	3.5	4.0	2.5	1.6	1.7	1.1	1.1	1.3	0.5	0.3	0.9	0.4	3.7
10	1.1	3.5	1.3	1.9	1.2	0.5	0.4	0.8	0.3	0.3	0.8	0.9	1.9	1.6	1.7	1.3	2.0	1.0	1.2	2.0	1.2	2.3	2.9	0.9	1.8	3.2
11	1.6	1.6	1.1	1.3	0.5	0.3	1.8	0.9	0.7	0.4	0.6	0.9	1.5	1.7	2.0	1.6	1.5	2.2	2.4	2.1	1.1	3.3	3.4	2.1	0.2	3.4
12	1.4	1.5	1.1	1.5	0.8	0.5	2.2	1.3	0.3	0.7	0.9	1.2	2.6	2.0	1.6	2.2	1.3	2.6	1.5	2.1	3.1	3.6	2.7	2.1	0.5	3.6
13	1.4	2.9	1.7	1.4	0.8	0.9	0.6	0.3	1.2	2.4	2.3	2.0	4.1	6.3	5.6	6.6	6.3	5.6	3.4	0.8	3.2	3.1	2.7	1.8	0.2	3.4
14	1.3	1.3	1.0	0.5	0.6	1.3	0.9	0.7	1.8	1.6	2.4	3.4	4.2	3.3	2.3	2.5	3.1	2.5	1.6	0.7	2.3	3.1	2.7	2.4	0.5	3.6
15	2.7	2.6	2.9	2.1	1.7	0.6	0.3	1.2	0.5	1.1	1.0	0.1	2.3	1.1	0.7	1.7	1.5	1.5	1.9	1.4	0.9	3.2	2.8	2.5	0.9	4.2
16	1.3	0.7	1.3	1.8	1.5	0.9	0.4	0.9	0.8	2.3	4.4	4.8	5.3	4.6	6.0	5.0	4.7	3.4	3.9	4.1	2.6	1.3	1.5	1.1	0.2	2.5
17	1.5	1.1	1.1	1.3	1.0	1.7	0.7	0.6	0.6	1.6	2.9	3.2	2.1	1.4	1.3	1.0	0.5	2.2	0.4	0.3	1.8	2.0	2.8	2.2	1.0	4.0
18	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
19	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
20	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
21	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
22	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
23	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
24	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
25	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
26	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
27	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
28	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
29	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
30	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
31	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
32	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
33	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
34	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
35	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
36	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
37	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
38	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
39	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
40	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
41	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
42	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
43	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
44	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
45	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
46	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
47	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
48	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
49	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5
50	0.9	1.3	0.6	1.1	1.6	1.7	1.0	1.6	1.1	0.2	1.2	0.5	1.2	2.2	2.6	4.1	5.2	6.5	2.6	3.9	0.7	1.6	0.8	1.1	0.5	6.5

te: Averages are vector averages
0005 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-90J

RESULTANT SPEED [61103]

METERS/SECOND
LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM. TUCSON, AZ

NOV. 1989

AEROVIRONMENT INC.

FINAL DATA #
AS OF 28/DEC/90 #

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	1.9	2.1	2.0	2.0	0.8	0.9	1.4	2.4	1.7	1.0	1.3	2.0	2.0	1.9	2.7	2.3	2.5	2.2	0.8	1.3	1.4	1.6	2.2	1.0	0.6	2.8
2	1.3	1.6	0.7	0.1	1.4	1.2	0.8	1.6	1.4	1.5	2.0	3.2	2.7	1.9	2.6	2.5	3.1	3.2	1.3	1.5	1.2	0.3	1.3	1.1	0.6	3.2
3	1.7	1.6	0.9	2.0	0.9	1.9	1.6	2.0	1.3	1.0	0.4	0.7	1.1	2.3	2.9	3.1	2.3	1.6	1.3	0.9	0.9	3.1	3.1	1.3	0.6	3.1
4	0.3	0.9	0.1	2.1	1.5	1.6	1.0	0.7	0.7	0.9	1.2	1.2	2.4	2.9	2.3	2.6	2.6	1.6	1.6	1.5	3.0	3.4	2.9	2.8	0.5	3.4
5	1.4	3.5	1.5	3.0	2.1	1.7	0.8	0.1	1.0	0.9	2.5	2.7	1.5	1.7	1.7	2.1	2.0	1.6	1.1	0.7	3.2	3.0	2.6	1.5	0.5	3.5
6	1.0	2.0	3.5	3.0	2.1	2.3	1.1	1.5	0.9	1.1	0.7	1.4	1.9	2.2	2.0	2.1	2.2	1.3	1.7	1.1	1.5	3.5	2.1	1.8	0.3	3.5
7	2.3	2.8	2.4	1.7	0.7	0.8	1.5	0.8	1.1	1.2	1.9	1.3	1.5	2.3	3.0	2.8	3.3	2.2	1.9	0.4	2.8	3.0	2.9	2.0	0.6	3.3
8	2.6	1.5	1.1	2.0	1.4	0.6	1.1	0.3	0.7	0.7	1.5	0.7	1.6	2.2	3.1	2.7	2.7	2.7	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	0.6	3.1
9	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	1.3	2.2	[MT]	2.7	2.4	1.0	3.4	3.8	1.5	1.1	0.2	3.8
0	1.0	1.1	0.7	2.2	2.1	1.2	1.6	2.3	0.3	1.1	0.5	1.2	1.9	2.1	1.2	1.8	1.7	0.6	1.4	1.5	2.3	2.1	1.2	1.3	0.6	2.3
1	0.8	2.5	1.8	0.2	1.1	1.4	1.8	0.8	0.4	0.3	1.0	1.1	1.1	2.2	2.1	2.3	1.3	2.0	0.7	1.2	1.2	3.5	3.0	1.0	0.1	3.5
2	0.6	1.4	2.8	2.1	1.8	0.9	0.9	0.5	0.4	0.6	0.5	1.5	1.8	1.5	2.0	1.9	1.9	1.5	1.2	1.4	1.9	2.8	1.8	2.5	0.3	2.8
3	2.7	1.6	2.9	3.4	3.4	1.6	2.9	1.5	1.6	1.1	1.5	1.2	1.6	2.2	1.9	1.6	1.8	1.9	[RF]	1.8	2.0	3.4	3.2	2.7	1.0	3.4
4	2.3	1.7	0.7	0.4	1.3	2.0	1.7	2.2	1.1	1.3	1.1	1.9	2.0	2.5	3.0	[RF]	3.1	2.5	2.0	2.0	1.0	2.7	2.5	3.3	0.3	3.3
5	1.5	1.7	1.1	1.2	1.5	0.6	1.0	1.8	1.0	2.1	1.2	2.2	2.1	2.2	1.1	2.6	2.1	2.5	2.0	1.3	2.4	2.7	1.8	2.6	0.4	2.7
6	1.8	2.7	1.0	1.9	0.7	1.5	1.3	1.8	1.1	2.8	0.4	1.4	0.7	1.7	2.7	4.1	2.1	[MT]	0.9	1.7	[RF]	1.8	2.3	1.6	0.1	4.1
7	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[MT]	1.4	0.8	1.0	1.4	1.3	0.9	1.1	0.5	2.1	0.9	0.8	1.6	0.2	2.1
8	1.1	1.8	1.5	0.8	0.5	1.3	1.7	0.5	0.9	1.4	0.2	1.6	2.5	1.2	1.7	2.2	2.1	1.2	2.0	3.1	3.2	2.5	2.4	1.2	0.6	3.2
9	1.4	1.4	1.4	2.5	5.4	5.5	5.1	0.7	1.8	6.4	7.5	7.4	6.4	5.4	4.7	5.5	6.2	7.2	6.5	3.8	3.7	2.0	3.1	7.6	3.5	7.6
0	5.3	2.1	1.1	0.6	2.3	1.4	1.7	2.0	0.8	1.4	4.2	3.3	2.4	2.6	3.0	2.8	4.7	3.7	1.1	3.1	2.5	1.7	2.1	1.4	0.3	5.3
1	0.8	0.6	1.9	0.9	0.5	0.5	1.0	2.4	1.8	1.3	2.7	2.1	1.4	0.6	2.5	3.6	3.2	3.1	2.0	1.0	2.3	1.6	1.7	1.1	0.2	3.6
2	1.5	0.5	0.9	0.7	1.8	1.1	2.0	2.3	0.7	2.6	1.1	1.0	0.7	1.7	1.6	1.5	2.0	1.9	2.0	0.8	1.3	1.6	1.5	2.8	0.6	2.8
3	1.5	0.5	0.9	0.7	1.0	2.6	2.5	1.0	0.1	2.1	1.2	0.7	2.2	2.6	1.8	1.9	2.0	1.9	1.6	2.4	1.7	2.6	1.8	0.2	0.2	2.7
4	2.6	1.8	1.2	2.3	2.5	1.2	1.3	0.7	1.4	1.9	2.0	1.0	1.9	2.1	1.3	3.0	3.7	0.5	1.9	2.0	2.2	2.4	2.0	2.0	1.0	3.7
5	0.7	0.6	0.6	0.6	1.8	1.6	1.3	1.6	3.7	3.1	1.6	1.2	1.5	1.2	1.3	3.0	3.7	2.8	1.9	1.3	0.8	0.1	1.5	1.2	0.7	5.0
6	1.7	2.4	1.6	1.0	1.5	2.0	1.7	0.5	0.9	2.8	3.7	4.1	3.6	3.7	5.0	3.8	3.7	2.9	0.8	1.8	3.3	3.4	2.5	2.3	1.0	3.4
7	1.3	1.5	0.3	0.9	2.5	2.4	3.1	2.3	1.3	0.6	1.6	1.1	2.1	1.8	1.9	3.2	5.5	3.5	4.2	5.2	4.5	3.8	1.5	1.5	2.0	5.5
8	2.7	2.4	2.7	1.5	2.1	1.1	0.6	0.7	0.8	2.2	2.5	5.1	3.7	3.0	3.8	6.4	6.1	4.8	4.6	4.2	4.4	4.7	4.1	0.9	3.9	7.6
9	0.8	1.1	0.7	1.6	4.0	5.8	4.6	2.5	2.2	2.2	5.3	7.0	7.6	6.9	6.2	6.4	6.1	4.2	4.6	4.2	4.7	4.2	3.0	1.4	0.3	4.7
0	1.0	1.2	1.9	1.2	1.1	1.2	1.6	1.3	0.9	0.8	1.4	0.8	2.1	2.4	2.8	2.7	1.4	4.2	[MT]	4.2	4.7	4.2	3.0	1.4	0.3	4.7
AV	1.0	0.9	1.0	0.7	0.8	0.7	0.8	0.6	0.5	0.4	0.4	0.4	0.7	1.2	1.6	1.8	1.7	1.5	1.2	0.6	1.3	1.7	1.1	1.3	0.2	
SD	1.6	1.6	1.4	1.5	2.0	2.0	1.9	1.5	1.3	2.0	2.5	2.8	2.7	2.4	2.3	2.5	2.6	2.4	2.0	2.2	2.3	2.3	2.0	2.0		
PK	5.3	3.5	3.5	3.4	5.4	5.8	5.1	2.5	3.7	6.4	7.5	7.4	7.6	6.9	6.2	6.4	6.2	7.2	6.5	5.2	4.7	4.7	4.1	7.6		7.6

Note: Averages are vector averages
DU005 [Program: EDMS_MONTHSUM

Version: LC: 26-NOV-90

RESULTANT SPEED [611033]

METERS/SECOND

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

DEC, 1989

AEROVIRONMENT INC.

FINAL DATA
AS OF 28/DEC/90

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	1.1	1.3	2.0	2.2	1.3	1.3	0.5	1.4	1.5	3.8	1.9	2.5	4.1	2.9	3.1	2.7	2.5	2.7	4.7	5.3	1.4	2.3	2.6	2.8	0.9	5.3
2	1.3	0.7	2.7	2.3	2.5	2.5	4.3	7.7	5.2	5.0	8.5	4.1	3.1	6.3	6.7	5.3	6.6	6.3	5.3	8.2	7.4	9.4	8.3	7.4	0.9	9.4
3	7.8	3.6	3.1	3.2	2.5	2.6	1.4	0.9	1.7	3.6	5.2	4.0	3.5	0.9	4.4	5.2	5.5	4.5	3.7	2.0	1.2	0.9	0.5	0.5	2.3	7.8
4	0.6	1.4	1.0	1.3	2.0	2.9	0.9	1.8	1.9	1.9	0.8	1.2	1.1	1.1	2.2	3.0	2.5	1.8	2.2	0.4	2.1	3.5	3.2	1.2	0.7	3.5
5	2.5	1.0	1.5	1.6	2.1	0.3	1.8	2.1	1.1	1.3	1.7	1.4	1.8	1.2	1.3	1.6	1.7	1.7	1.1	0.3	1.0	1.2	1.8	2.8	0.3	2.8
6	2.2	3.1	0.8	0.9	0.6	1.7	1.1	3.1	2.7	1.4	2.2	1.6	2.7	4.1	6.0	4.7	4.1	4.0	1.6	0.3	1.3	3.2	3.3	1.3	0.7	6.0
7	1.0	1.1	0.3	1.7	0.9	1.2	1.2	3.3	2.1	2.6	1.7	1.9	3.2	1.6	1.9	1.5	1.3	[MT]	1.9	1.3	2.6	1.7	1.1	0.5	0.2	3.2
8	1.3	0.4	1.3	1.4	1.0	0.9	1.3	1.5	1.1	0.3	1.7	1.2	0.6	0.4	1.6	1.0	3.3	2.7	0.9	0.7	0.3	0.2	1.5	1.5	0.5	3.3
9	2.5	1.5	1.4	1.3	1.6	1.9	0.6	3.9	3.3	3.6	2.1	1.0	0.6	1.6	2.1	1.9	1.2	1.5	1.5	1.3	2.0	0.2	1.6	0.5	0.1	2.8
10	1.5	1.4	1.1	1.7	1.3	1.7	1.7	1.4	2.3	5.3	4.4	3.2	3.1	3.7	4.3	5.9	5.4	2.9	1.7	3.8	5.9	5.4	1.7	2.5	0.6	5.3
11	0.3	1.2	0.5	1.2	0.5	0.5	1.2	1.7	1.2	0.8	0.8	1.5	2.3	2.5	2.4	2.6	2.2	1.3	1.3	0.8	1.4	3.3	1.7	0.4	1.3	5.9
12	2.0	0.9	0.5	1.7	1.3	0.4	0.6	0.6	1.1	0.9	1.2	1.0	1.5	2.2	2.4	2.0	2.5	1.6	2.0	1.5	0.3	0.4	2.2	2.1	0.4	2.5
13	0.7	1.3	0.4	1.9	1.1	1.5	0.8	2.3	1.0	0.6	[MT]	[MT]	[MT]	[MT]	[MT]	2.1	1.4	2.0	2.0	0.6	0.3	0.4	2.2	2.1	0.3	2.9
14	3.0	1.7	1.1	1.8	0.8	2.5	2.0	2.3	1.0	1.7	0.5	1.6	1.4	0.2	1.7	1.1	0.6	1.7	1.5	1.2	0.9	0.7	1.0	0.7	0.3	2.9
15	1.0	1.7	0.5	2.0	1.9	2.8	2.8	1.1	2.1	1.2	1.5	1.1	1.5	1.9	2.0	2.0	2.0	1.4	2.3	1.9	0.7	2.1	1.2	3.0	0.4	3.0
16	3.0	1.4	2.1	1.7	0.9	1.9	2.0	2.7	0.6	0.6	1.0	1.1	1.4	2.6	2.3	1.9	2.5	2.3	1.7	0.3	0.6	1.3	1.7	1.5	0.4	2.7
17	2.6	1.9	1.3	1.6	0.4	0.8	2.1	0.2	0.8	1.2	1.1	1.4	1.6	1.3	2.4	2.3	2.2	2.6	2.2	1.6	0.8	2.6	3.0	3.0	0.4	3.0
18	0.9	2.3	1.9	1.1	1.0	0.6	2.4	3.2	0.6	0.5	[MT]	1.2	1.6	1.8	2.5	2.2	2.2	2.1	1.7	0.9	0.6	2.2	3.0	1.3	0.2	3.0
19	2.6	2.4	1.2	1.7	1.3	2.4	0.9	0.7	2.2	1.3	4.0	3.3	4.9	5.2	1.3	2.6	2.6	2.6	3.2	0.4	2.1	0.6	0.6	0.7	0.4	3.2
20	3.1	2.2	1.7	2.1	2.4	2.0	0.8	2.7	1.7	1.7	1.2	0.4	1.9	3.2	4.5	4.6	4.6	4.4	2.9	0.3	0.6	2.4	2.4	2.5	1.0	5.6
21	1.9	1.9	1.5	1.1	1.3	3.1	3.4	2.7	2.5	3.5	2.7	0.9	1.1	1.4	2.2	3.2	4.0	2.7	2.7	1.9	0.8	1.5	2.0	2.6	0.7	4.6
22	2.5	1.3	1.3	2.1	3.0	2.4	1.4	0.9	0.5	0.3	0.6	1.4	1.2	2.3	1.9	1.6	1.2	1.2	1.2	1.5	2.6	1.1	2.3	1.3	1.1	4.0
23	0.7	2.7	1.3	0.9	1.2	0.5	1.5	1.2	0.9	2.1	2.0	2.0	2.0	2.3	2.2	3.3	4.7	4.4	4.1	4.9	2.9	3.0	1.9	0.3	0.6	3.0
24	1.1	2.2	2.2	1.9	2.0	0.6	3.1	1.0	0.5	1.8	1.9	0.4	1.2	2.3	1.3	1.6	1.2	1.0	1.2	2.4	2.1	2.9	3.5	2.2	1.1	3.5
25	0.7	3.5	3.4	4.0	3.1	3.4	2.9	2.9	2.7	2.8	3.0	1.8	1.8	2.2	1.1	3.3	3.1	1.9	2.1	2.4	0.9	1.7	2.1	3.0	1.9	4.0
26	3.0	1.7	3.0	2.3	1.1	0.3	2.9	0.9	2.5	1.6	2.4	2.0	2.2	2.3	3.2	3.1	4.0	2.3	1.0	0.7	2.9	3.2	3.3	3.1	0.2	4.0
27	2.0	1.6	2.8	0.9	1.2	1.7	0.9	1.6	0.6	1.4	0.5	1.6	1.1	1.5	2.6	4.7	3.2	1.6	0.9	1.3	1.9	2.5	1.4	1.3	0.3	4.7
28	1.1	1.0	0.8	0.9	0.7	0.9	0.8	0.9	0.7	0.6	0.1	0.7	1.2	1.3	1.5	1.8	1.9	1.3	1.3	0.4	0.9	1.7	1.8	1.4	0.3	
29	2.1	1.6	1.7	1.3	1.5	1.7	1.8	2.3	1.8	2.3	2.7	1.3	2.0	2.3	6.7	2.9	2.7	2.3	2.0	2.4	2.1	2.4	2.0	2.0		
30	7.3	3.6	3.4	4.0	3.1	3.4	4.3	7.7	5.2	5.3	8.5	4.1	4.9	6.3	6.7	5.9	6.6	6.3	5.3	3.2	7.4	9.4	8.3	7.4		9.4

te: Averages are vector averages
0005 IProgram: EDMS_MONTHSUM

RESULTANT DIRECTION [61104]

DEGREES, COMPASS

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

FEB, 1989

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 12/NOV/91 *

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG
1	157	164	129	115	315	226	150	183	176	176	209	203	207	251	275	275	310	313	319	259	205	198	180	163	209
2	160	132	138	169	174	176	179	161	29	31	210	231	234	250	293	256	235	227	213	199	176	74	84	178	205
3	143	92	89	76	148	177	174	53	40	[MT]	208	229	216	225	267	264	246	237	230	194	199	158	156	161	201
4	156	163	133	173	191	145	156	207	197	212	197	210	221	233	232	222	223	234	232	221	203	174	203	188	212
5	204	134	169	174	194	227	169	225	232	233	221	221	222	233	308	312	333	310	291	294	310	323	74	186	238
6	236	274	239	168	169	176	262	172	210	161	281	299	289	315	319	291	308	302	307	345	325	312	229	206	275
7	200	187	172	191	221	184	167	172	176	22	359	8	336	325	12	349	298	322	351	313	197	182	176	43	323
8	38	209	23	191	41	185	59	165	163	166	34	2	356	358	45	28	30	29	33	49	199	188	191	44	41
9	175	55	40	39	16	20	31	35	0	33	27	24	32	43	54	37	25	26	28	54	179	152	36	338	33
0	68	171	174	33	192	163	176	167	176	166	138	[MT]	[MT]	[MT]	323	303	303	294	272	127	158	186	27	193	
1	180	173	172	183	173	134	115	45	41	233	295	306	291	271	311	329	288	302	337	312	270	135	175	177	254
2	185	191	56	138	161	166	68	41	38	201	241	257	253	293	287	289	280	289	291	336	288	225	151	169	252
3	197	211	195	168	158	133	107	55	135	208	203	179	227	250	286	324	338	342	313	305	88	147	175	152	203
4	107	161	142	53	148	57	47	46	40	8	297	219	237	196	215	250	252	262	290	341	349	287	293	144	273
5	169	179	161	135	50	123	172	40	9	27	49	27	33	46	147	122	134	309	302	33	202	176	180	171	127
6	70	160	73	90	44	172	173	49	183	287	302	348	83	158	220	256	275	190	149	135	137	109	109	121	143
7	43	167	171	161	185	115	159	167	177	191	24	108	185	161	[MT]	217	220	135	61	17	270	316	242	255	178
8	248	219	249	284	262	253	46	36	61	24	41	113	156	164	174	184	175	144	343	35	208	168	165	158	160
9	158	175	165	163	175	186	168	169	197	206	246	296	313	290	272	264	262	245	238	208	214	282	298	214	229
0	135	336	110	163	162	170	161	158	172	198	266	261	277	293	303	295	307	314	310	333	32	158	175	168	278
1	202	201	137	156	160	172	119	166	185	131	295	307	266	305	301	314	325	323	352	28	304	181	173	155	208
2	129	46	124	132	148	149	71	170	172	126	291	0	65	302	292	356	58	21	328	176	190	173	191	287	128
3	170	58	173	167	159	172	158	5	221	278	310	49	163	234	261	300	306	326	310	0	58	176	161	97	198
4	88	55	106	167	80	45	130	185	143	10	311	[MT]	[MT]	[MT]	[MT]	334	11	1	310	21	307	176	167	166	123
5	151	67	142	208	30	65	99	90	270	318	352	340	315	286	292	291	299	298	284	129	167	161	150	143	262
6	65	161	141	66	51	171	66	117	98	69	253	264	261	303	295	289	293	294	296	301	317	320	166	163	290
7	169	156	163	164	161	166	169	166	172	206	284	286	294	296	295	297	298	307	313	329	5	323	165	159	259
8	93	149	152	159	155	117	170	162	179	182	184	210	270	278	319	304	275	266	249	209	195	162	134	169	205
9	167	167	157	156	157	167	142	138	168	205	262	257	244	259	286	291	290	294	294	287	214	178	171	162	225

te: Averages are vector averages
005 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-90J

RESULTANT DIRECTION [61104]
 DEGREES, COMPASS
 LEVEL HEIGHT : 10 METERS
 NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
 SITE 31 SAGUARO NM, TUCSON, AZ
 MAR, 1989
 AEROVIRONMENT INC.

 *
 * FINAL DATA *
 * AS OF 12/NOV/91 *
 *

CLOCK HOUR [LOCAL STANDARD TIME]																											
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG		
1	161	168	182	173	35	48	55	163	181	212	212	226	294	282	304	294	283	287	301	296	213	182	170	171	238		
2	171	175	173	169	164	121	43	111	170	173	195	215	260	237	229	234	201	214	200	188	197	191	193	178	196		
3	179	181	179	200	186	175	202	207	213	220	215	219	225	[MT]	[MT]	270	248	233	228	291	292	289	289	307	232		
4	304	320	300	301	296	290	175	178	198	190	257	211	230	281	299	294	288	285	302	6	46	169	168	171	266		
5	172	44	52	155	177	131	94	60	130	227	330	339	309	234	236	239	236	237	329	47	53	307	235	251	317		
6	154	153	152	173	40	169	90	173	107	163	341	22	196	239	236	252	250	271	343	36	43	172	161	97	170		
7	112	166	124	153	115	149	169	163	201	320	172	173	202	226	276	306	326	329	323	312	11	149	174	172	193		
8	32	180	57	151	73	71	23	97	301	327	277	295	313	310	287	305	339	331	19	40	0	176	164	100	343		
9	35	163	151	119	63	76	59	103	247	344	353	352	315	295	281	293	309	308	322	22	9	177	172	130	297		
10	171	149	161	48	48	170	67	174	155	157	[MT]	253	271	315	254	209	230	300	301	45	337	173	170	179	204		
11	165	154	131	159	60	40	19	170	172	130	135	300	319	317	322	310	304	294	320	343	200	169	161	154	230		
12	164	129	74	101	167	56	115	170	31	29	252	243	256	292	233	239	311	333	342	330	234	188	164	165	277		
13	134	67	155	150	31	37	173	150	130	136	234	271	237	309	291	302	293	291	232	219	145	168	165	169	252		
14	164	161	153	166	145	119	46	53	194	134	202	278	239	295	290	293	313	321	330	351	293	175	159	164	233		
15	165	153	163	160	162	149	138	43	47	174	136	242	257	263	304	292	231	238	322	293	185	173	134	163	195		
16	175	157	50	47	207	178	32	75	192	302	224	207	138	297	280	319	291	305	319	323	244	48	254	175	273		
17	159	133	60	163	156	79	43	170	63	[MT]	238	293	291	270	232	303	295	304	324	320	331	169	174	172	256		
18	152	102	163	80	132	102	94	29	308	241	293	281	304	299	233	296	297	315	310	307	313	350	175	179	280		
19	176	172	145	164	110	143	357	54	182	130	259	283	290	293	236	275	258	265	267	261	222	188	176	186	237		
20	177	160	170	176	167	165	175	172	134	215	233	302	307	304	311	311	314	315	321	315	225	345	49	46	306		
21	37	41	51	51	41	76	0	231	272	12	327	129	156	176	354	353	353	171	151	111	101	150	137	156	80		
22	93	137	137	69	171	169	146	161	162	150	160	232	266	238	273	300	292	301	316	327	238	202	179	184	223		
23	166	147	46	44	193	164	129	161	25	211	204	209	220	223	225	[MT]	[MT]	[MT]	[MT]	233	188	168	172	130	192		
24	172	163	163	63	43	152	63	149	39	173	245	135	199	261	308	253	234	236	241	230	217	245	229	135	213		
25	166	161	155	103	51	163	176	172	188	199	196	231	223	233	343	131	146	136	150	352	35	124	292	255	196		
26	206	191	183	193	192	187	195	192	202	212	230	236	252	336	343	191	146	136	150	291	155	102	166	165	267		
27	69	55	160	175	279	303	257	196	263	277	293	234	279	293	273	274	272	262	290	291	38	124	169	163	237		
28	167	163	155	167	61	152	177	164	163	212	217	253	270	279	289	296	298	305	322	3	305	313	325	107	291		
29	171	137	171	156	152	79	52	50	193	205	253	263	273	283	304	309	290	239	294	291	270	250	174	172	254		
30	166	166	137	61	72	80	129	174	251	286	289	243	272	283	276	297	270	299	319	311	293	132	173	172	242		
31	127	166	149	63	36	139	139	236	263	307	171	150	243	229	229	297	270	299	319	325	311	293	132	173	242		
AV	159	154	149	145	124	132	134	167	190	211	231	243	261	277	283	287	285	283	289	297	262	183	178	170	231		

Note: Averages are vector averages
 QU005 [Program: EDMS_MONTHSUM
 Version: LC: 26-NOV-90]

RESULTANT DIRECTION [61104]

DEGREES, COMPASS

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

APR, 1989

AEROVIRONMENT INC.

*
* FINAL DATA
* AS OF 12/NOV/91
*

CLOCK HOUR [LOCAL STANDARD TIME]

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG
1	167	163	163	49	55	175	128	44	200	191	262	262	256	264	253	262	263	252	249	262	267	253	172	163	250
2	156	157	157	33	162	49	146	155	25	31	284	273	285	279	250	270	263	266	259	245	232	228	173	170	229
3	163	166	161	164	149	138	126	156	179	196	263	262	286	289	287	297	297	291	315	338	29	39	176	170	239
4	169	166	133	141	60	98	65	102	175	176	77	314	312	285	293	297	297	289	292	305	8	183	153	54	291
5	50	53	71	47	91	125	142	215	213	297	163	163	73	167	17	20	5	25	34	4	17	38	34	125	47
6	225	121	192	27	277	200	315	202	213	251	6	265	229	305	291	301	316	290	291	338	53	39	175	172	271
7	165	151	77	44	28	65	155	77	29	335	254	238	273	275	297	269	296	301	314	339	22	13	174	168	285
8	163	143	54	130	148	128	71	65	145	208	227	276	285	293	303	303	296	311	326	328	290	235	179	163	264
9	166	162	161	156	131	55	94	163	194	195	264	275	268	270	271	282	270	260	273	328	257	175	178	166	232
10	167	164	163	82	55	64	155	161	191	197	263	288	274	269	262	278	279	312	313	344	169	139	111	214	203
11	151	165	60	133	135	50	163	176	155	163	212	244	306	302	312	255	230	231	229	213	205	186	176	172	207
12	172	179	186	272	29	56	34	61	184	176	213	218	276	262	288	282	275	248	247	238	258	251	202	166	239
13	216	125	41	62	138	86	78	8	22	25	168	192	208	278	305	351	319	307	280	150	147	113	138	117	129
14	133	124	207	153	45	156	158	38	339	261	295	301	269	237	266	284	280	305	313	324	18	29	60	184	289
15	156	163	160	161	170	132	163	45	183	184	215	279	275	294	289	310	325	295	285	261	250	307	168	153	250
16	169	161	172	166	160	131	135	332	193	213	307	278	280	301	296	287	291	313	328	310	291	225	168	151	224
17	144	155	153	104	43	163	158	179	210	196	178	225	224	223	256	287	299	315	308	323	318	179	160	150	244
18	168	155	126	89	57	127	137	40	338	217	236	260	276	297	278	297	294	309	329	335	349	335	176	167	282
19	129	133	157	54	31	48	180	3	142	166	132	186	224	305	323	297	294	315	302	308	291	298	359	169	257
20	170	113	140	63	56	158	62	180	193	233	[MT]	260	303	269	300	295	273	251	284	308	291	286	128	156	228
21	169	160	151	53	146	89	73	186	188	257	351	311	247	215	249	215	239	259	275	284	310	266	128	156	228
22	158	152	86	50	173	158	46	114	184	289	239	239	228	229	230	229	241	277	296	342	344	29	139	163	222
23	178	177	157	156	155	213	153	196	219	230	283	297	298	338	227	245	266	275	259	207	178	159	184	201	225
24	165	144	43	43	117	153	129	186	203	208	215	237	238	242	227	229	228	227	238	251	265	330	328	12	227
25	49	148	159	155	91	52	51	24	184	188	224	225	224	231	233	231	235	233	230	237	235	176	125	187	222
26	182	202	176	209	13	333	355	225	254	288	280	292	294	287	313	301	299	314	319	321	327	315	300	273	298
27	174	176	172	161	75	85	16	196	247	287	351	303	287	266	289	284	290	318	328	323	296	299	200	175	274
28	169	161	183	135	100	127	51	270	319	275	301	270	256	254	261	281	301	317	324	321	322	262	194	172	266
29	180	168	157	122	63	55	68	0	231	238	255	281	282	263	286	295	290	313	328	338	325	310	175	175	267
30	184	188	168	156	153	55	53	201	199	238	250	281	281	280	290	282	297	298	304	314	328	18	133	170	268
31	163	157	146	116	115	107	111	160	198	215	243	258	265	265	272	273	276	283	289	300	300	256	169	165	246

Note: Averages are vector averages
UC005 [Program: ECHS_MONTHSUM]

Version: LC:26-NOV-90J

 *
 * FINAL DATA *
 * AS OF 12/NOV/91 *
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM. TUCSON, AZ

MAY, 1989

AEROVIRONMENT INC.

RESULTANT DIRECTION [61104]

DEGREES, COMPASS

LEVEL HEIGHT : 10 METERS

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG
1	165	106	82	77	123	61	66	175	149	8	333	292	257	276	260	283	276	296	319	338	336	160	178	176	254
2	176	163	153	94	32	45	51	201	189	196	231	235	286	279	292	283	302	318	325	335	346	238	201	188	260
3	169	189	157	161	154	57	136	275	191	212	274	268	286	275	278	287	308	315	330	357	30	26	351	183	289
4	167	164	168	129	61	49	37	22	221	212	266	[MT]	287	275	293	281	292	317	326	352	41	45	178	167	281
5	163	165	153	147	143	52	43	133	199	272	273	287	284	232	267	251	262	284	305	331	21	55	175	194	242
6	163	166	167	155	57	54	71	192	212	186	4	349	310	298	289	320	306	309	300	303	334	60	177	176	292
7	169	150	161	139	50	48	169	243	226	223	264	270	285	288	282	294	299	297	314	317	279	220	355	166	287
8	164	169	150	161	61	27	304	154	189	196	217	262	299	292	272	310	285	308	312	277	279	220	178	174	243
9	155	163	156	82	49	47	169	170	194	239	182	225	223	221	220	222	213	225	230	225	204	197	162	172	208
10	233	179	208	130	147	163	172	247	207	245	229	237	236	239	232	233	230	228	234	242	237	237	199	199	226
11	186	173	166	171	169	195	175	186	262	270	297	314	315	274	233	235	244	279	283	301	295	307	319	200	255
12	176	170	180	176	172	163	150	176	201	221	242	258	266	276	230	238	291	285	289	293	271	246	226	143	241
13	164	154	169	64	131	325	180	181	196	205	238	230	229	271	225	233	234	239	237	233	239	267	208	199	225
14	188	172	82	80	140	20	112	168	160	213	223	216	227	223	227	231	222	234	241	251	251	220	177	174	219
15	194	150	199	210	127	192	150	155	225	243	223	226	232	234	224	245	232	228	224	270	309	312	19	353	229
16	330	329	291	231	185	349	46	262	200	149	148	72	34	12	230	225	142	175	190	188	169	150	96	82	159
17	122	69	184	171	171	155	167	173	160	204	181	285	276	299	300	302	[MT]	[MT]	297	296	289	248	221	197	253
18	160	156	92	56	160	160	69	176	[CA]	[CA]	311	258	264	[CA]	281	303	315	293	297	296	289	248	221	170	238
19	74	153	143	135	109	51	161	185	184	194	186	249	290	282	267	274	305	326	328	352	15	52	181	170	238
20	168	162	128	53	94	172	34	240	180	183	259	263	283	251	292	270	283	295	320	349	333	333	51	163	242
21	172	161	131	29	347	118	179	183	199	212	289	285	283	276	290	302	309	309	328	335	317	325	270	188	282
22	179	149	153	79	115	289	84	33	150	213	267	280	270	277	305	291	297	280	272	278	294	313	305	166	280
23	161	173	150	163	186	69	153	182	265	299	261	287	302	296	309	294	275	280	277	281	269	259	173	172	253
24	166	170	159	153	130	54	161	176	192	202	264	278	268	280	274	272	278	274	275	313	320	310	193	166	248
25	169	161	157	153	48	155	173	135	146	270	304	230	310	266	297	266	291	315	294	323	303	201	178	150	241
26	172	194	161	46	83	27	63	27	2	289	254	222	219	222	241	236	240	248	233	228	236	195	173	177	221
27	170	170	195	138	156	140	83	128	143	239	225	211	235	246	249	235	240	231	229	248	237	263	248	251	229
28	149	155	218	188	41	61	83	136	137	233	228	231	236	229	229	223	225	217	229	240	234	263	186	243	221
29	218	117	144	60	139	127	137	136	283	223	228	231	236	229	229	223	225	217	229	230	295	295	188	174	232
30	184	151	167	173	197	170	171	201	218	219	229	217	225	242	234	231	257	268	258	280	295	315	268	182	253
31	171	167	170	132	66	177	97	356	189	184	206	257	258	258	273	283	295	302	316	316	315	268	182	187	253
AV	170	162	160	137	129	115	132	174	197	220	249	252	260	259	259	262	263	271	277	285	289	274	185	178	240

Version: LC:26-NOV-901

Note: Averages are vector averages
 QUC05 [Program: EDMS_MONTHSUM]

RESULTANT DIRECTION [61104]

DEGREES, COMPASS

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

JUN, 1989

AEROVIRONMENT INC.

FINAL DATA
AS OF 28/DEC/90

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AV5
168	170	166	158	155	65	64	124	341	244	183	252	271	235	215	266	252	241	249	256	233	199	197	183	216	
155	156	164	137	53	138	169	180	308	286	325	291	250	223	248	232	228	236	255	247	268	346	246	173	225	
163	159	112	154	148	98	27	188	174	191	209	269	287	305	296	270	272	273	265	267	261	195	149	153	237	
102	159	169	172	169	91	41	63	192	182	197	235	225	256	244	270	266	265	249	242	219	185	173	163	214	
172	173	151	61	75	81	163	183	130	164	262	227	239	237	240	233	247	253	255	246	306	3	342	316	229	
192	147	169	156	157	39	33	22	233	265	263	254	276	294	303	302	302	310	300	314	334	299	294	232	289	
173	163	173	151	127	3	14	221	213	223	229	214	277	274	264	311	328	319	279	279	256	220	173	163	243	
163	163	152	154	127	39	47	50	245	230	219	230	213	223	225	240	241	241	231	231	222	192	177	172	213	
165	172	152	64	122	136	165	165	163	158	172	186	266	231	245	251	230	242	223	231	225	207	139	217	174	
311	171	152	154	129	86	176	153	150	164	245	240	227	232	246	230	231	242	257	247	222	260	169	165	221	
169	167	167	145	151	101	160	157	131	155	156	203	250	236	262	297	239	231	291	293	292	229	183	160	219	
171	169	163	163	166	159	165	172	133	230	236	235	237	294	297	314	303	317	329	339	6	35	141	173	262	
166	171	163	163	163	45	46	216	223	241	266	294	291	290	292	239	294	297	303	303	325	337	263	107	283	
164	159	164	149	356	72	51	31	[PA]	[PA]	[PA]	[PA]	[PA]	[PA]	[PA]	[PA]	[PA]	[PA]	297	316	321	300	261	231	156	284
159	175	194	175	56	48	170	170	199	270	284	277	303	303	293	297	293	297	312	315	314	275	275	270	156	277
160	153	157	161	163	161	149	177	270	242	235	293	237	230	293	303	323	313	312	315	316	287	300	306	285	
12	130	134	122	93	55	217	313	137	235	321	306	232	300	317	322	317	325	325	322	332	346	311	172	313	
170	163	167	149	112	50	155	152	16	261	276	237	295	291	293	292	307	300	305	324	0	326	54	171	291	
176	147	54	194	154	49	49	194	157	202	272	290	290	300	293	298	299	297	299	305	314	356	125	176	290	
176	169	156	161	76	155	172	91	206	212	243	298	292	304	237	293	301	318	326	359	273	292	23	173	252	
161	163	146	142	147	173	172	193	209	229	266	239	266	292	294	302	293	307	311	321	324	320	296	191	284	
132	169	161	161	166	164	39	183	204	256	262	278	272	262	263	273	266	270	293	300	307	247	163	171	246	
173	166	169	162	60	149	146	47	231	225	220	220	225	222	222	225	228	232	226	243	215	174	187	195	212	
195	202	170	133	41	63	113	133	203	225	220	220	225	225	222	223	229	232	226	243	215	174	187	195	212	
141	140	34	61	33	348	156	191	176	215	216	216	223	253	276	231	274	273	272	283	275	292	278	339	156	251
177	130	174	176	133	145	90	164	183	234	279	303	297	299	310	291	301	313	316	327	343	335	156	251	299	
177	167	163	169	169	159	174	131	195	234	267	273	276	296	305	299	319	320	319	327	343	14	98	69	292	
151	161	164	159	304	160	172	177	179	169	221	259	277	290	299	305	143	158	86	127	306	350	355	314		
51	169	76	82	35	168	56	13	349	304	0	356	306	279	237	299	293	297	306	306	309	323	284	279	163	270
166	163	163	159	104	93	101	133	270	205	276	297	252	273	304	274	297	308	313	319	334	284	279	163	270	
166	166	159	157	128	112	136	165	191	216	244	267	263	271	276	230	279	232	236	283	293	276	233	170	249	

e: Averages are vector averages
05 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-90J

RESULTANT DIRECTION [61104]

DEGREES. COMPASS

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM, TUCSON, AZ

AUG. 1989

AEROVIRONMENT INC.

FINAL DATA
AS OF 28/DEC/90

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG
1	142	134	146	140	149	140	43	39	103	199	240	213	250	290	317	271	290	314	327	140	153	147	191	16	167
2	136	46	46	150	166	102	119	137	219	262	253	284	229	324	315	233	[MTJ]	[RF]	209	119	100	42	156	164	177
3	147	53	300	190	176	177	57	13	263	248	265	228	265	255	134	130	36	32	27	220	117	70	181	161	159
4	166	93	30	40	173	67	45	38	218	303	296	294	231	219	173	169	172	166	146	262	127	111	165	140	182
5	94	68	43	58	166	161	161	184	254	281	281	295	294	291	301	296	295	285	313	27	40	139	180	169	293
6	152	36	149	172	163	73	47	62	235	3	314	291	255	291	299	303	298	306	312	302	280	151	199	174	270
7	173	175	173	161	150	83	81	169	70	205	165	282	274	152	[RF]	125	173	27	23	29	38	53	147	150	127
8	144	135	132	133	124	128	139	71	1	0	325	150	144	137	132	171	158	153	147	119	96	104	114	133	130
9	150	135	164	161	143	136	145	163	134	124	149	162	153	161	151	319	170	154	199	192	169	179	172	170	161
0	161	163	95	179	176	173	176	171	193	184	0	23	319	293	305	212	189	212	174	163	177	169	148	96	185
1	44	1	143	165	133	79	43	23	234	284	291	259	272	283	283	291	287	295	303	303	197	197	163	172	267
2	152	95	161	170	135	180	174	179	255	218	259	265	313	307	286	276	289	295	289	294	264	217	159	168	252
3	171	187	163	165	169	175	171	169	204	229	251	297	304	314	295	290	289	282	290	292	233	194	180	195	246
4	172	163	158	152	134	132	131	45	40	28	287	346	298	271	297	75	140	194	24	90	95	197	59	35	121
5	172	131	152	148	129	101	135	35	17	14	347	345	0	351	91	94	86	232	178	172	70	127	58	81	101
6	155	161	156	47	67	182	142	135	20	210	239	231	239	294	294	271	180	126	283	202	169	170	134	53	183
7	194	235	157	67	44	163	176	159	174	184	199	242	268	248	234	281	292	179	184	54	43	123	150	135	189
8	144	135	89	34	32	253	146	82	347	60	289	276	239	251	275	291	297	103	73	260	106	56	104	144	140
9	150	164	158	159	153	87	54	41	333	290	273	305	298	244	269	290	275	303	301	274	225	172	179	177	230
0	177	203	207	40	47	36	156	107	184	207	217	251	252	253	230	243	68	233	239	213	193	190	172	204	216
1	172	239	32	53	56	82	115	130	129	141	249	293	257	254	263	280	253	255	262	230	213	194	192	311	220
2	270	169	162	146	125	36	43	125	144	250	219	271	285	291	302	283	271	290	269	266	259	2	26	55	279
3	171	162	173	145	32	92	150	137	197	166	247	250	250	308	234	250	233	327	269	263	200	172	192	168	245
4	161	159	150	161	160	56	164	169	181	206	219	246	270	253	224	211	234	238	246	222	195	171	183	173	202
5	179	159	159	158	43	165	148	161	202	337	240	219	249	249	237	232	229	236	270	260	226	125	180	168	212
6	120	149	149	158	50	169	139	127	145	92	249	266	210	232	303	344	347	277	287	166	147	152	161	151	161
7	151	159	160	158	147	73	88	168	207	60	68	19	308	277	266	269	275	277	306	313	320	320	173	177	230
8	175	164	173	160	166	132	181	169	176	165	4	26	21	241	275	331	317	294	313	313	1	46	143	155	205
9	133	216	225	178	163	45	59	135	124	208	258	308	304	191	67	23	132	119	115	149	159	176	129	79	135
0	134	141	134	115	164	152	131	104	138	196	200	223	240	280	220	160	297	292	305	336	14	158	219	181	196
1	190	172	95	41	55	48	72	179	177	175	42	291	251	261	274	243	263	284	294	301	239	6	162	168	226
/	159	149	144	139	139	121	122	125	175	209	249	272	272	266	263	256	253	253	281	250	152	151	156	152	191

Note: Averages are vector averages
1005 [Program: EDMS_MONTHSUM]

Version: LC:26-NOV-90]

 * FINAL DATA *
 * AS OF 28/DEC/90 *
 * *****

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

RESULTANT DIRECTION [61104]

DEGREES, COMPASS

LEVEL HEIGHT : 10 METERS

SITE 31 SAGUARO NM, TUCSON, AZ

SEP, 1989

AEROVIRONMENT INC.

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG
Y 1	157	120	88	45	161	159	73	41	197	235	285	298	282	289	315	326	307	295	299	306	207	169	179	178	251
2	183	178	185	181	178	178	66	34	20	6	274	315	274	268	293	326	292	285	284	260	158	174	166	153	220
3	170	199	166	178	192	176	166	214	277	283	288	286	274	281	289	284	152	141	108	90	162	84	94	158	178
4	57	49	154	119	95	324	36	201	217	197	212	212	325	282	305	319	346	324	268	285	326	153	167	157	263
5	130	96	76	167	172	103	270	263	199	202	232	281	251	295	275	315	7	32	123	148	140	164	166	168	168
6	172	130	130	175	153	72	69	209	192	191	194	201	266	293	305	314	285	247	173	160	150	156	173	169	175
7	122	71	49	104	143	130	114	44	172	209	242	323	290	265	270	277	266	264	261	285	307	234	212	177	240
8	171	175	170	170	173	156	163	37	179	196	233	234	270	265	271	265	273	266	269	240	220	182	168	171	231
9	170	169	163	109	61	60	40	90	30	221	236	296	253	295	311	265	245	230	217	203	186	162	163	175	209
10	171	167	90	104	25	64	172	30	7	69	256	219	253	295	311	223	240	231	223	223	192	200	183	183	213
11	162	155	127	47	45	122	136	175	38	287	246	214	243	230	223	230	242	259	14	25	351	327	179	199	226
12	131	176	167	172	79	112	70	93	11	231	225	213	222	228	223	230	316	323	313	326	11	45	171	165	296
13	171	166	169	167	190	163	43	166	356	339	234	328	281	298	299	310	306	312	314	339	25	170	153	163	270
14	167	132	41	141	161	63	114	32	239	319	305	234	267	[MT]	278	281	293	267	283	85	134	47	118	141	156
15	109	138	38	165	164	157	79	40	24	163	163	163	210	228	227	156	170	122	136	120	143	169	174	181	152
16	124	134	150	136	146	161	137	163	162	143	145	165	158	161	231	231	227	231	224	216	203	111	229	250	212
17	199	160	163	157	158	165	159	26	29	47	295	245	232	236	237	249	235	253	268	284	358	327	256	125	226
18	221	261	232	88	45	62	110	133	142	153	208	221	234	242	222	228	232	237	250	243	246	19	300	0	214
19	152	144	101	82	341	172	102	50	144	149	214	214	209	224	222	300	307	311	299	11	357	172	162	162	262
20	29	42	243	198	166	172	13	137	266	[MT]	346	326	307	278	234	300	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	109
21	137	158	123	43	134	13	356	137	266	[MT]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[]
22	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[]
23	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[]
24	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[]
25	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	116
26	127	133	132	135	134	131	129	123	131	140	133	127	138	144	152	117	89	75	72	88	116	112	114	130	125
27	146	145	135	126	135	134	137	126	132	145	153	149	147	141	140	143	140	131	123	123	124	117	119	126	135
28	105	54	52	52	19	32	243	151	34	143	145	161	157	150	124	150	135	114	101	45	114	129	121	147	126
29	165	162	127	127	143	170	156	178	152	142	152	143	143	149	147	144	139	127	102	97	116	126	133	132	139
30	123	122	138	142	129	152	131	156	40	156	147	171	237	230	241	269	301	283	305	316	279	168	159	149	174
AV	149	146	142	135	141	137	125	129	137	157	132	204	219	229	235	251	249	247	250	157	140	143	154	156	174

Version: LC:26-NOV-90J

Note: Averages are vector averages
 DU005 [Program: EDMS_MONTHSUM]

RESULTANT DIRECTION [61104]

DEGREES, COMPASS

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM. TUCSON, AZ

OCT, 1989

AEROVIRONMENT INC.

*
* FINAL DATA
* AS OF 28/DEC/90
*

		CLOCK HOUR [LOCAL STANDARD TIME]																											
DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG				
1	174	166	156	150	54	40	90	193	62	313	235	227	223	266	281	246	246	219	231	194	172	187	193	180	208				
2	168	103	47	98	92	62	68	42	42	178	173	198	222	227	230	224	169	150	154	49	165	160	166	161	173				
3	175	81	53	60	59	88	46	139	114	157	158	199	216	226	273	258	201	159	124	339	141	143	122	162	155				
4	315	149	121	67	35	233	226	176	140	161	151	107	79	195	297	82	21	53	175	188	133	162	36	119	127				
5	164	356	28	38	48	45	317	222	228	212	204	226	160	299	315	[MT]	[RF]	328	26	56	55	46	127	135	39				
6	152	119	150	174	131	159	141	63	184	256	288	237	341	19	312	308	330	341	2	9	23	202	165	170	159				
7	167	112	49	102	161	73	67	355	205	293	325	292	282	270	260	251	276	284	310	4	17	179	168	158	228				
8	138	44	129	110	323	113	168	59	64	190	245	238	247	294	282	319	293	294	284	256	176	177	163	141	240				
9	71	160	56	164	86	152	172	171	6	326	37	34	24	30	355	336	335	289	205	156	124	47	180	168	58				
10	161	49	185	134	88	82	165	176	30	148	153	152	158	150	157	152	178	114	56	79	333	163	150	126	147				
11	156	101	146	159	144	150	94	139	174	343	328	352	274	278	250	247	261	275	23	45	57	177	171	112	173				
12	118	46	48	157	78	61	158	46	167	335	265	305	311	302	262	283	332	0	39	49	171	175	165	107	94				
13	134	118	63	158	85	133	159	126	346	178	197	253	228	232	229	273	298	308	356	15	165	164	180	171	204				
14	160	150	42	43	29	177	195	50	165	155	177	226	233	273	283	274	287	288	329	199	184	207	180	178	210				
15	166	178	202	145	61	157	197	148	177	219	181	326	185	190	225	270	289	335	12	39	125	172	164	153	169				
16	170	164	170	145	172	90	47	115	212	281	258	306	319	305	295	283	277	305	8	33	110	166	189	239	314				
17	90	47	88	168	172	90	47	115	212	281	258	306	319	305	295	283	277	305	8	33	110	166	189	239	314				
18	226	184	188	175	191	205	237	243	295	8	27	26	31	28	24	23	31	35	29	31	25	341	259	278	22				
19	292	5	21	130	24	124	42	154	71	189	165	149	192	53	61	11	84	147	352	103	131	131	148	152	139				
20	27	3	83	130	117	78	51	90	0	158	59	266	231	246	196	230	239	261	358	35	103	165	123	153	199				
21	53	53	132	75	53	167	161	128	191	329	194	322	321	283	284	317	320	351	20	47	171	171	172	107	117				
22	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]				
23	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]				
24	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]				
25	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]				
26	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]				
27	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]				
28	150	33	45	166	67	175	39	149	336	12	325	342	339	[MT]	335	314	305	316	13	32	62	169	178	172	320				
29	92	214	141	77	44	53	43	152	195	237	286	281	280	270	275	332	318	319	314	289	178	175	166	171	272				
30	176	183	159	133	146	51	28	58	195	197	214	249	277	307	273	301	304	328	330	332	219	176	160	172	230				
31	158	295	284	220	168	194	152	15	183	223	344	355	10	134	19	29	30	33	31	32	25	51	62	247	27				
32	38	159	352	151	135	202	197	124	188	155	69	163	181	212	258	287	278	292	295	182	197	172	177	169	211				
33	150	114	91	115	74	90	117	130	156	176	174	238	251	270	279	290	297	302	360	43	132	168	165	157	166				

te: Averages are vector averages

te: Averages are vector averages
005 Program: EDMS_MONTHSUM

Version: LC:26-NOV-90

 *
 * FINAL DATA *
 * AS OF 28/DEC/90 *
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
 SITE 31 SAGUARO NM, TUCSON, AZ
 NOV, 1989
 AEROVIRONMENT INC.

RESULTANT DIRECTION [61104]
 DEGREES, COMPASS
 LEVEL HEIGHT : 10 METERS

CLOCK HOUR [LOCAL STANDARD TIME]																												
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG			
1	170	175	179	158	66	173	161	171	42	191	261	289	305	290	279	307	303	306	347	8	194	188	169	197	234			
2	199	188	217	166	163	188	129	175	192	55	34	31	28	3	48	42	31	25	41	227	176	165	175	152	66			
3	169	167	105	182	159	179	182	166	183	188	0	176	243	297	320	309	296	295	16	262	207	169	153	84	206			
4	85	111	346	162	64	176	65	180	19	219	358	268	270	306	294	280	286	310	328	188	168	175	179	167	224			
5	164	170	94	69	59	59	85	135	173	49	202	218	221	298	295	329	301	320	29	238	158	172	175	184	181			
6	221	171	166	159	45	49	120	153	57	30	294	254	258	293	298	331	342	9	75	125	166	157	167	50	140			
7	164	171	163	154	121	42	133	98	185	287	11	217	220	257	297	296	326	357	11	333	168	168	172	176	201			
8	194	134	140	174	171	48	78	255	186	199	220	226	256	297	297	298	308	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	238			
9	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	302	337	[MT]	1	11	335	184	184	60	128	352		
10	75	58	184	183	179	73	32	53	138	191	301	18	23	169	190	182	185	246	49	163	183	169	162	63	142			
11	94	171	79	352	246	114	48	316	310	207	317	332	294	295	294	294	321	315	337	119	169	170	143	87	261			
12	61	70	165	53	55	193	351	235	339	259	278	342	28	351	343	354	323	327	353	19	179	175	168	153	31			
13	155	182	174	172	173	141	165	84	40	41	209	256	264	274	306	291	329	329	4	[RF]	76	181	165	175	163	176		
14	160	171	110	126	43	51	45	175	155	19	251	315	241	281	292	[RF]	328	331	317	346	59	172	158	181	235			
15	82	170	69	135	60	197	67	166	126	41	23	315	292	288	352	26	357	337	28	102	180	166	49	166	58			
16	181	43	165	167	256	36	122	158	188	184	222	297	301	288	300	322	345	[MT]	24	202	[RF]	148	43	103	231			
17	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[MT]	43	245	300	327	0	44	330	82	182	62	105	169	27			
18	33	46	176	59	71	180	180	53	159	194	301	138	177	302	316	318	355	4	356	63	31	42	31	55	41			
19	265	226	187	14	13	8	359	348	129	76	77	90	63	73	85	71	94	267	292	301	249	192	185	33	222			
20	107	89	12	322	27	52	49	29	16	152	171	154	185	236	277	290	267	292	28	152	154	169	50	71	288			
21	257	170	140	272	125	84	148	181	182	11	38	29	358	270	301	293	272	296	8	18	0	170	161	155	42	44		
22	163	48	172	162	54	122	43	45	163	169	17	333	326	355	356	339	333	333	8	18	146	184	163	69	166	172		
23	55	281	323	220	204	174	156	101	14	187	75	180	182	212	263	272	329	324	276	229	197	178	180	195	7	187		
24	157	145	92	45	42	63	184	88	159	31	22	325	254	263	272	329	324	246	252	199	183	165	178	196	171	173		
25	13	71	90	77	107	101	96	125	149	144	44	53	238	201	237	235	246	311	332	343	16	0	135	177	178	286		
26	186	41	81	115	77	135	163	107	40	212	213	233	278	302	296	305	295	289	202	174	178	164	162	168	202			
27	177	175	194	197	169	174	168	162	75	126	203	342	308	308	296	305	295	39	42	49	57	46	38	10	51	49		
28	170	176	171	135	170	117	103	214	4	349	5	40	33	34	35	35	37	28	33	24	30	35	34	45	204	27		
29	315	290	322	29	35	31	26	5	341	18	31	28	29	28	26	25	28	28	45	[MT]	63	51	37	194	37			
30	175	200	153	204	213	212	186	175	195	253	189	253	304	311	303	303	303	353	45		63	51	37	194	37			
AV	154	149	150	144	82	92	100	135	135	117	46	12	318	306	315	327	331	355	20	82	148	153	132	139	88			

Note: Averages are vector averages
 QU005 CProgram: EDM5_MONTHSUM
 Version: LC:26-NOV-90J

RESULTANT DIRECTION [61104]

DEGREES, COMPASS

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

DEC. 1989

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 28/DEC/90 *

		CLOCK HOUR [LOCAL STANDARD TIME]																								
DAY		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG
1	208	19	179	189	171	60	278	10	169	176	187	21	21	317	319	304	315	19	42	42	104	47	31	42	26	
2	35	319	14	16	118	82	85	92	73	116	96	47	57	83	101	81	86	93	100	103	99	104	92	105	89	
3	97	70	330	299	349	9	16	39	1	27	29	29	21	51	25	29	29	33	35	8	271	216	109	174	28	
4	148	171	133	174	188	175	137	170	185	186	209	328	317	313	305	295	308	9	5	235	190	180	175	110	202	
5	35	90	177	164	45	48	15	177	150	27	358	349	357	302	294	281	333	27	351	239	155	155	151	163	46	
6	47	49	101	196	69	156	42	41	43	186	205	251	268	301	313	314	324	298	316	14	180	172	162	107	318	
7	71	118	109	67	124	161	192	349	4	289	304	352	340	285	260	265	284	[MT]	49	175	159	161	147	119	313	
8	187	325	61	59	141	34	84	57	66	11	35	179	183	120	212	200	30	36	28	109	326	161	156	151	84	
9	305	121	79	165	48	162	122	49	182	357	4	326	299	283	295	323	329	32	326	176	187	166	176	130	130	
0	44	164	138	160	82	80	132	162	180	184	210	240	284	301	321	317	324	344	272	273	242	262	173	165	245	
1	160	151	160	216	269	277	274	273	289	273	301	297	304	330	9	20	18	18	77	55	53	55	57	124	0	
2	85	5	186	190	181	188	171	196	199	9	256	239	285	285	265	279	314	359	26	21	197	181	154	55	245	
3	50	80	115	172	43	130	315	67	57	61	25	11	294	279	311	313	313	355	298	198	158	115	156	59	355	
4	75	35	4	172	184	59	101	183	133	[MT]	[MT]	[MT]	[MT]	[MT]	[MT]	266	332	352	341	56	165	169	113	112	139	
5	171	137	53	57	61	34	41	45	119	52	211	249	301	319	326	329	323	322	47	346	354	150	100	22	16	
6	135	173	90	161	139	45	157	168	121	35	132	190	234	310	192	217	212	35	340	22	277	165	95	64	139	
7	152	39	139	165	134	153	174	158	40	204	223	271	309	285	279	273	287	7	35	50	356	112	160	166	162	
8	144	112	142	160	152	138	52	50	167	191	201	238	294	287	297	346	7	35	50	356	112	160	166	162	121	
9	161	136	183	171	123	169	52	168	156	313	333	304	356	285	299	274	289	325	324	314	32	349	178	173	168	
0	149	68	52	41	48	169	97	82	194	214	336	304	356	285	299	301	301	305	322	14	21	250	178	161	111	
1	43	178	125	140	150	109	36	45	144	255	212	278	321	329	320	308	295	326	337	39	230	172	169	155	291	
2	39	174	136	50	94	166	82	47	117	193	[MT]	309	352	318	299	320	338	9	10	277	186	189	189	298	20	
3	200	192	207	178	182	180	179	76	186	176	27	22	25	32	28	30	31	28	30	51	180	167	166	176	58	
4	1	170	176	163	162	170	155	52	160	184	199	284	355	28	27	31	39	34	32	11	197	232	171	167	101	
5	169	170	189	191	189	178	178	148	191	176	174	136	61	88	26	26	30	30	26	124	203	155	123	166	162	
6	164	170	189	183	167	167	135	148	163	299	282	336	330	22	3	24	339	287	28	182	176	167	172	69	156	
7	85	154	50	51	26	19	162	96	143	35	28	187	224	264	299	314	297	301	287	257	228	167	169	280	278	
8	148	175	77	103	65	82	166	135	95	153	187	189	205	221	184	278	333	333	48	148	180	199	184	160	165	
9	142	161	148	190	204	166	170	178	173	183	193	214	287	283	170	173	156	130	43	44	129	114	143	153	167	
0	176	68	40	165	91	204	45	69	188	352	8	340	312	298	293	295	311	305	43	184	170	175	174	169	271	
1	154	142	159	85	101	45	143	179	118	230	304	282	325	281	12	20	14	14	285	188	207	164	166	147	171	
2	126	130	119	156	131	136	116	115	142	184	41	322	324	319	330	335	349	349	8	21	72	157	156	148	135	91

te: Averages are vector averages
005 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-90]

TEMPERATURE [62101]
DEGREES CENTIGRADE
LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

JAN, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 12/NOV/91 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
1	9.3	6.3	5.3	7.6	8.3	8.1	7.3	7.5	8.2	11.3	14.4	15.9	16.9	13.0	13.3	17.4	16.6	12.5	11.4	10.9	9.2	9.0	7.8	7.3	7.3	11.1	13.3
2	7.5	7.3	7.5	7.7	8.5	8.0	7.1	7.1	7.3	9.8	11.4	11.3	11.3	12.3	12.9	13.1	13.2	11.8	10.2	10.7	9.7	9.2	9.3	8.6	9.7	13.2	
3	9.8	9.6	8.3	8.4	10.6	14.0	13.5	13.1	14.5	14.6	17.6	19.4	19.8	20.6	21.4	20.3	19.9	18.2	17.3	16.7	16.9	17.0	16.9	17.9	15.7	21.4	
4	16.9	16.9	17.5	15.6	15.5	14.3	14.1	12.7	11.6	11.8	12.5	13.7	14.0	14.5	14.7	14.0	12.0	11.2	10.5	8.7	9.5	9.0	7.8	8.0	12.7	17.6	
5	3.1	3.1	3.0	3.2	7.3	7.2	6.6	6.5	8.6	9.5	10.3	11.3	12.5	13.5	14.3	14.6	14.4	12.3	10.9	11.1	9.9	9.6	9.6	9.6	8.3	10.1	14.6
6	7.5	6.7	6.5	7.6	6.7	5.9	6.0	5.8	6.9	[MTJ]	10.0	10.3	11.3	12.3	11.5	11.9	10.7	7.1	3.8	3.2	3.1	3.1	3.2	3.2	7.1	12.3	
7	3.3	2.9	2.2	1.3	1.5	-0.2	-0.3	-0.7	1.2	2.9	4.1	5.2	5.3	5.9	6.6	6.3	6.5	5.5	4.0	3.2	3.2	1.3	-0.4	1.7	3.1	6.8	
8	-0.1	-0.2	0.2	-0.7	-1.3	-1.1	-1.2	-0.1	-0.3	1.4	3.2	4.3	6.2	7.2	7.9	8.3	7.3	6.1	4.6	4.2	3.2	2.2	1.6	1.5	2.7	8.3	
9	0.0	-0.3	-0.1	1.2	1.3	1.1	0.5	0.3	2.5	4.5	7.3	8.5	9.5	10.5	11.7	12.0	11.2	8.6	6.7	4.3	5.3	4.6	4.3	3.7	5.0	12.0	
10	1.0	10.2	10.9	9.6	9.9	9.2	10.3	10.1	11.7	12.7	12.7	13.5	14.2	13.5	13.4	13.3	12.9	10.7	8.5	6.3	5.7	5.5	4.5	4.3	10.2	14.2	
11	2.5	2.7	2.2	2.0	1.6	1.4	0.3	0.0	1.6	3.3	4.4	5.3	6.3	7.1	6.3	6.4	6.0	5.7	5.2	5.0	6.3	6.0	5.4	4.0	7.1		
12	4.7	4.5	3.3	1.9	1.7	1.6	1.4	0.7	2.6	4.3	6.0	7.2	[MTJ]	9.3	10.3	10.3	10.6	9.1	7.4	7.2	5.7	4.9	4.2	4.4	5.4	10.3	
13	2.3	1.5	2.5	2.3	3.4	4.7	4.4	3.5	4.6	6.2	9.3	11.1	12.6	13.3	14.0	14.3	14.3	12.7	10.6	9.1	8.4	7.7	6.4	6.2	7.7	14.3	
14	5.7	7.5	6.4	5.1	5.5	4.9	4.7	4.2	5.2	6.9	[RF]	12.6	13.4	14.2	14.5	13.3	11.6	9.6	8.9	7.3	6.5	6.6	6.6	6.9	3.4	14.5	
15	6.1	5.5	6.7	5.9	5.4	5.6	5.7	5.9	4.3	9.1	11.9	14.5	16.3	18.2	19.3	18.9	17.2	14.4	12.1	10.2	8.7	8.6	8.6	9.3	10.4	19.3	
16	3.9	3.1	3.3	7.0	7.7	8.3	7.7	7.3	9.2	12.2	14.5	16.3	18.5	19.7	19.3	19.1	18.6	15.5	13.3	11.6	9.3	10.1	10.0	10.2	12.2	19.3	
17	9.9	9.1	8.3	7.0	7.7	8.3	7.7	8.2	7.3	10.5	13.0	15.3	17.6	20.4	20.7	20.1	18.9	16.3	14.0	12.3	12.9	12.5	12.5	11.4	12.6	20.7	
18	12.0	11.3	11.3	10.5	9.6	9.1	7.3	9.7	9.9	12.5	14.6	16.5	18.0	19.3	20.0	20.2	19.3	17.5	15.7	14.3	12.1	12.1	12.1	10.7	13.7	20.2	
19	13.6	14.4	15.7	15.1	16.3	16.6	15.1	11.6	12.5	15.0	16.7	18.3	19.4	19.6	19.3	19.5	[MTJ]	16.9	14.4	13.3	12.9	12.3	11.6	11.3	15.3	19.6	
20	10.7	10.1	9.6	9.4	8.9	8.7	8.6	8.4	9.1	11.6	13.4	15.0	15.6	15.8	16.2	15.3	14.9	14.2	13.6	13.5	12.7	12.7	13.2	11.9	12.2	16.2	
21	12.5	11.3	12.0	10.5	10.5	8.9	8.9	9.5	10.9	14.1	15.9	17.4	19.6	20.4	20.7	20.9	20.5	18.8	16.9	15.5	13.8	13.3	13.3	12.1	14.5	20.9	
22	13.3	11.7	12.5	12.6	11.1	11.5	11.7	11.7	12.6	14.6	17.6	18.3	19.5	20.1	20.4	20.3	19.7	18.1	15.5	14.1	13.4	13.1	12.4	12.6	14.9	20.4	
23	12.9	12.3	12.6	12.3	12.3	11.6	11.9	12.2	13.7	15.1	14.9	15.4	15.7	15.4	14.3	14.0	12.4	11.1	10.2	9.6	7.5	6.2	5.6	5.6	12.2	15.7	
24	5.2	5.2	5.0	5.6	5.5	5.5	6.1	6.3	6.1	7.6	10.1	11.4	12.4	12.9	13.3	13.3	12.6	10.7	9.4	8.8	7.9	6.3	6.3	6.6	8.4	13.8	
25	6.9	5.4	6.0	6.2	6.5	5.6	4.9	4.3	9.6	14.0	15.0	16.0	16.2	16.3	16.3	15.5	14.7	12.9	12.2	11.2	8.3	8.6	8.1	7.3	10.4	16.8	
26	7.4	6.9	6.4	5.6	5.2	4.9	4.6	4.2	5.0	5.5	5.7	6.9	6.4	5.9	[MTJ]	5.1	6.1	5.8	4.3	4.3	4.7	4.4	5.1	5.2	5.5	7.4	
27	4.9	4.5	4.6	4.2	3.7	3.7	4.0	4.1	4.9	6.2	7.3	9.2	9.3	10.3	10.7	10.9	10.5	9.3	7.5	6.9	6.1	4.8	4.4	3.8	6.5	10.9	
28	3.3	4.1	3.3	3.3	2.4	2.3	2.9	2.0	4.0	6.6	9.2	11.7	13.4	14.4	14.9	15.1	14.7	13.5	12.3	11.7	9.6	9.2	9.6	7.7	8.4	15.1	
29	3.9	3.7	3.7	3.5	9.0	8.7	7.5	8.3	9.6	11.9	14.0	15.9	17.4	18.4	19.2	19.2	19.0	17.4	14.7	13.4	13.0	13.2	13.7	12.8	13.0	19.2	
30	13.4	10.9	10.6	10.1	9.6	10.8	11.2	11.2	12.4	14.2	15.3	16.9	16.3	17.5	17.3	18.1	19.0	16.7	16.2	16.4	15.6	14.5	14.3	13.0	14.3	18.1	
31	7.3	7.4	7.3	7.1	6.9	6.9	6.6	6.5	7.4	9.6	11.5	12.9	14.0	14.6	15.4	15.0	14.3	12.6	10.9	10.1	9.2	8.7	8.5	8.1	9.9		
AVG	4.2	4.1	4.3	4.0	4.2	4.3	4.2	4.0	4.0	4.1	4.2	4.3	4.3	4.6	4.3	4.4	4.3	4.0	3.9	3.9	3.8	3.9	4.1	3.8			
SD	15.9	15.9	17.5	15.6	15.3	15.6	15.1	13.1	14.5	15.0	17.6	19.4	19.3	20.6	21.4	20.9	20.5	18.8	17.3	16.7	15.9	17.0	16.9	17.9		21.4	

TEMPERATURE [62101]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM. TUCSON, AZ

FEB, 1989

AEROENVIRONMENT INC.

*
* FINAL DATA *
* AS OF 12/NOV/91 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
1	12.4	12.4	12.5	13.1	12.9	12.5	12.4	12.2	11.9	13.2	14.6	15.4	15.3	16.7	16.9	16.7	16.2	15.6	14.6	13.3	13.2	12.5	11.5	11.2	13.8	16.9	
2	10.9	10.7	9.7	9.4	9.2	8.6	8.5	9.0	9.5	11.4	13.0	14.3	15.6	16.4	16.3	17.5	17.6	17.0	14.5	12.9	12.3	12.8	12.1	11.1	12.5	17.6	
3	10.3	10.0	9.7	10.0	9.6	7.6	5.7	7.1	8.0	11.3	13.8	15.2	16.3	18.6	19.1	19.2	19.1	17.9	15.3	14.6	13.6	12.1	11.7	11.5	12.9	19.2	
4	10.7	10.4	10.9	10.1	9.7	8.6	9.1	9.1	9.3	11.3	13.7	15.3	18.0	19.0	19.3	19.4	18.3	16.7	15.2	14.2	13.6	12.1	11.7	11.5	12.9	19.2	
5	12.4	11.7	11.6	12.0	11.8	11.6	11.1	11.0	13.0	14.4	15.7	16.9	17.1	16.8	13.1	10.4	8.5	6.6	5.2	4.3	3.1	1.6	1.0	0.9	10.1	17.1	
6	1.4	1.7	1.2	1.1	1.1	1.1	0.9	0.4	1.7	2.6	3.3	4.8	5.7	6.1	6.7	7.3	7.4	6.9	5.7	4.2	3.3	2.9	2.3	1.3	3.4	7.4	
7	0.7	0.2	0.1	-0.3	-0.3	-0.8	-0.9	-0.7	1.1	2.1	3.6	6.1	8.3	9.0	9.7	10.6	9.2	7.2	5.0	4.0	3.4	3.2	2.3	2.4	3.6	10.6	
8	3.1	2.6	2.2	2.2	2.4	2.7	1.9	5.3	9.3	12.4	14.5	16.8	17.9	18.9	19.4	19.2	18.8	17.2	14.9	13.9	13.0	12.0	12.1	11.8	11.0	19.4	
9	11.3	12.4	13.0	12.8	12.4	10.3	10.6	10.6	11.2	12.7	14.7	16.7	18.6	20.4	21.3	20.5	20.3	18.9	17.4	16.6	15.5	14.5	14.3	13.6	15.0	21.3	
10	13.6	13.9	12.6	12.9	11.4	11.3	11.6	10.3	13.6	16.5	19.1	[MT]	[MT]	[MT]	[MT]	22.5	21.4	19.1	18.0	17.3	15.7	15.3	15.3	14.8	15.4	22.5	
11	13.3	12.0	12.5	11.7	10.1	10.7	10.9	10.3	12.5	13.8	15.7	17.5	19.2	19.3	20.4	20.5	19.7	18.5	15.1	15.6	15.4	14.8	12.7	12.2	14.8	20.5	
12	11.5	10.5	10.5	9.1	8.9	7.7	7.9	7.5	9.3	11.7	13.5	15.2	16.0	16.7	17.4	17.7	17.3	15.9	14.5	13.3	11.4	10.0	8.5	7.7	12.1	17.7	
13	7.2	6.1	4.9	4.4	4.2	5.2	4.9	4.5	6.5	8.5	10.3	11.3	12.7	13.2	13.8	14.0	13.8	13.1	11.5	10.6	10.2	10.2	6.4	7.8	9.0	14.0	
14	7.2	7.1	7.6	6.8	7.4	7.1	6.2	5.8	8.5	10.1	10.6	12.6	13.1	14.0	14.3	14.9	14.8	13.5	12.6	11.3	10.3	9.8	9.5	8.4	10.2	14.9	
15	7.3	6.9	7.0	6.9	5.5	6.7	4.6	5.9	8.2	10.4	12.6	13.7	14.9	16.0	17.6	17.9	18.3	17.3	14.6	13.8	12.4	10.5	10.1	9.6	11.2	18.3	
16	9.4	9.4	8.3	7.6	6.5	6.8	8.4	7.6	9.4	13.2	16.6	18.6	20.5	22.0	22.3	22.2	21.9	21.0	17.5	15.9	14.9	14.9	14.0	13.9	14.3	22.3	
17	13.4	10.8	9.7	10.1	9.2	9.7	8.9	8.3	11.6	14.7	16.9	19.3	20.9	22.2	[MT]	22.9	22.7	22.0	19.9	18.3	16.3	15.8	15.1	14.3	15.3	22.9	
18	15.1	14.6	13.7	14.3	10.9	10.3	9.7	10.0	13.0	13.9	14.7	15.4	16.6	17.7	18.0	22.2	22.1	21.4	20.5	19.4	17.9	16.9	16.3	15.5	15.9	16.4	23.5
19	13.7	13.3	13.0	12.0	11.1	10.3	9.7	10.0	12.6	13.6	13.8	15.4	16.6	17.7	18.0	18.4	18.1	17.2	15.4	14.0	13.2	12.5	11.4	12.0	13.9	18.4	
20	11.6	9.3	9.6	8.5	8.5	8.3	8.5	8.3	10.0	12.6	13.6	19.3	21.3	22.8	24.1	24.6	24.3	24.6	23.5	21.0	19.0	17.6	17.6	17.9	17.7	24.8	
21	12.7	11.3	10.9	11.7	11.8	10.9	9.4	9.4	12.3	16.6	19.3	21.3	22.8	24.1	24.6	24.3	24.6	23.5	21.0	19.0	17.6	17.6	17.9	17.7	17.2	24.8	
22	15.3	14.9	13.6	13.4	14.5	13.5	12.0	13.9	15.7	18.9	21.3	24.4	26.3	27.0	27.4	27.2	26.9	25.7	22.9	21.2	20.9	18.0	18.5	18.5	19.7	27.4	
23	17.7	17.5	17.5	14.5	13.8	15.3	17.4	17.0	18.5	20.3	23.1	[MT]	[MT]	[MT]	27.7	27.8	26.6	24.5	22.4	22.4	18.4	18.7	18.1	18.0	20.0	27.8	
24	17.2	17.6	17.2	17.1	16.8	16.5	15.3	17.2	18.3	19.9	22.0	24.2	25.3	26.7	26.6	26.6	26.7	24.9	22.7	21.4	19.4	18.5	18.1	18.0	20.6	26.7	
25	18.6	16.9	15.8	15.2	15.6	14.1	13.4	14.6	16.9	19.6	21.8	23.4	24.8	25.5	26.6	26.6	26.2	25.1	22.8	21.1	20.8	20.8	18.5	17.9	20.1	26.6	
26	18.3	17.0	16.1	15.9	15.7	15.1	14.9	15.0	18.2	19.8	20.9	22.3	23.3	24.0	24.4	24.4	23.9	23.0	21.2	19.5	18.4	17.8	15.7	16.8	19.2	24.4	
27	16.8	16.4	16.0	15.7	15.5	15.2	12.2	15.3	17.5	18.0	18.8	20.8	21.9	22.6	23.0	23.9	24.1	23.2	21.8	20.5	19.3	17.5	17.8	17.3	18.9	24.1	
28	11.7	11.1	10.7	10.4	9.9	9.5	9.2	9.6	11.5	13.7	15.5	16.8	18.1	19.0	19.3	19.9	19.6	18.4	16.5	15.2	14.3	13.3	12.5	12.3	14.1		
29	4.7	4.6	4.5	4.4	4.2	4.3	4.4	4.4	4.4	4.6	4.8	4.8	4.9	5.0	5.2	5.2	5.4	5.4	5.2	5.0	5.0	4.8	5.0	4.9			
30	18.6	17.6	17.5	17.1	16.8	16.5	17.4	17.2	18.5	20.8	23.1	24.4	26.3	27.0	27.4	27.7	27.8	26.6	24.5	22.4	22.4	20.8	18.7	18.5		27.8	

U000 [Program: EDMS_MONTHSUM]

Version: LC:26-NOV-90J

TEMPERATURE [62101]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

MAR, 1989

AEROVIRONMENT INC.

*
* FINAL DATA
* AS OF 12/NOV/91
*

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	15.9	15.9	15.4	14.6	14.1	13.6	14.3	13.1	16.0	17.3	18.9	20.0	21.1	22.0	22.7	23.1	23.2	22.2	20.3	18.8	17.8	15.8	15.7	15.2	17.8	23.2
2	15.3	14.8	14.3	13.9	14.1	13.7	12.9	12.9	13.5	15.7	17.4	18.5	18.4	19.1	16.5	15.4	16.1	16.3	15.1	14.1	13.6	13.2	12.9	12.1	15.0	18.5
3	12.3	12.1	11.7	10.7	9.9	9.9	9.1	9.5	11.2	12.1	13.4	14.6	15.6	[MT]	[MT]	13.2	11.3	9.4	9.1	9.5	8.8	8.2	7.3	6.3	10.7	15.6
4	5.0	3.6	2.5	1.8	1.4	1.3	0.2	0.6	3.2	4.6	6.1	8.1	9.5	10.4	11.2	12.0	12.3	11.8	9.9	8.4	8.1	7.2	6.3	5.9	6.3	12.3
5	6.1	5.3	5.0	4.5	4.4	5.6	5.2	3.7	6.0	9.5	11.3	13.6	14.6	15.6	16.5	16.9	17.1	16.4	14.9	13.5	12.9	12.3	12.1	10.1	10.6	17.1
6	10.3	9.9	9.1	9.1	8.0	9.0	8.4	9.7	12.3	14.4	16.3	18.1	19.5	21.2	21.3	22.5	22.6	22.1	20.0	18.5	18.4	15.0	16.4	15.2	15.3	22.6
7	14.3	13.4	14.0	11.7	13.0	13.3	11.6	12.8	17.3	20.4	23.3	25.0	25.9	26.7	27.0	27.7	27.3	26.3	24.5	22.5	22.4	21.5	18.3	18.6	20.0	27.7
8	19.3	19.2	19.0	18.1	18.1	17.3	16.6	17.4	20.2	22.5	24.2	25.3	27.2	28.1	29.1	29.2	29.1	28.7	26.6	25.0	25.2	22.9	21.0	22.9	29.2	
9	13.8	17.7	18.3	17.5	17.7	17.3	16.9	18.0	21.5	24.5	[MT]	29.7	30.7	31.7	32.7	33.1	32.9	31.5	28.1	26.5	25.6	23.4	22.1	20.3	24.4	33.1
10	19.7	19.5	20.1	18.8	19.7	19.0	17.2	16.3	20.9	23.7	26.4	28.1	29.5	30.2	30.3	29.5	28.3	27.3	25.3	24.6	22.6	20.3	20.5	19.9	23.3	30.3
11	19.5	19.5	20.1	18.8	19.7	19.0	17.2	16.3	20.9	23.7	26.4	28.1	29.5	30.2	30.3	29.5	28.3	27.3	25.3	24.6	22.6	20.3	20.5	19.9	23.3	30.3
12	19.2	19.3	19.5	18.9	19.3	19.2	17.9	16.9	17.6	21.3	23.1	24.4	25.7	26.5	27.3	27.5	26.2	25.4	23.2	21.9	21.1	18.7	18.0	17.3	21.3	27.5
13	20.2	19.5	19.9	19.3	19.1	18.5	17.1	17.6	19.5	22.7	25.7	27.3	28.3	29.3	30.0	30.1	29.7	28.7	26.7	24.9	23.4	21.5	19.9	20.2	23.1	30.1
14	16.5	16.1	15.5	14.3	15.0	15.3	15.6	16.5	19.1	20.7	22.2	23.4	24.3	25.4	25.0	26.3	25.6	24.9	22.8	21.4	20.9	18.6	17.6	17.3	20.1	26.3
15	17.1	16.6	16.0	15.6	15.9	15.7	15.6	15.9	18.3	21.2	22.6	23.4	24.3	25.4	25.6	26.1	26.4	25.3	23.8	22.7	21.9	19.1	18.9	17.3	20.1	26.3
16	17.3	17.2	16.7	16.0	15.7	15.6	14.4	15.1	19.7	22.0	21.9	23.1	24.5	25.0	25.6	26.4	26.5	25.3	23.9	22.6	21.9	21.2	20.5	18.3	20.6	26.5
17	17.2	17.5	16.9	16.0	15.7	15.6	14.4	15.1	19.7	22.0	21.9	23.1	24.5	25.0	25.6	26.4	26.5	25.3	23.9	22.6	21.9	21.2	20.5	18.3	20.6	26.5
18	17.5	17.4	16.2	17.1	16.5	15.5	15.9	17.5	19.7	22.0	24.0	25.3	26.7	27.4	27.9	28.0	28.0	27.3	25.4	23.5	22.9	22.3	19.0	18.1	21.7	28.0
19	19.0	17.9	17.5	17.1	17.0	17.2	16.4	17.2	19.7	22.0	23.2	24.4	25.4	26.2	27.0	27.6	27.3	26.2	24.5	22.8	20.9	19.0	18.0	17.3	21.3	27.6
20	16.3	16.9	16.6	15.9	15.7	15.9	16.6	17.2	19.6	20.9	22.4	23.1	23.7	23.7	23.7	23.3	23.0	22.4	20.3	19.2	17.3	16.3	16.4	15.9	19.3	23.7
21	15.2	14.0	12.8	11.5	12.7	11.2	10.3	11.5	13.3	16.2	18.1	20.0	21.4	22.1	23.0	23.6	24.1	23.6	21.6	20.1	19.3	16.3	16.7	15.6	17.3	24.1
22	15.5	15.2	15.9	14.4	13.4	11.0	11.3	13.4	17.3	21.0	23.6	24.1	24.7	25.5	26.1	26.5	26.1	25.4	23.5	21.8	21.1	19.3	17.2	16.4	19.6	26.5
23	16.4	16.3	14.8	16.0	13.3	12.1	14.0	16.3	18.1	20.7	22.3	23.7	24.6	25.4	25.7	[MT]	[MT]	[MT]	[MT]	20.4	18.6	17.8	17.1	16.1	18.5	25.7
24	16.0	16.5	15.3	14.7	14.3	14.2	13.7	15.4	17.1	19.4	20.3	21.3	22.3	23.6	24.3	25.1	25.4	24.7	22.7	20.5	18.5	18.3	17.4	16.3	19.2	25.4
25	16.0	15.7	16.1	14.9	13.7	13.0	13.2	13.9	17.1	19.4	20.3	21.3	22.3	23.1	24.1	25.1	25.2	24.7	23.7	21.7	20.1	18.5	17.3	17.1	18.9	25.2
26	16.3	15.9	15.5	15.4	15.1	14.4	14.3	14.2	14.4	14.6	14.9	15.0	11.7	8.4	7.9	7.2	6.3	5.5	6.0	6.2	6.0	6.2	6.2	6.2	11.0	16.3
27	6.3	6.4	6.0	5.7	5.9	6.0	6.0	6.0	6.3	7.4	8.6	9.9	10.8	11.2	12.5	13.6	13.9	13.9	13.1	11.3	11.2	11.4	10.3	9.4	9.3	13.9
28	9.3	9.2	9.0	8.4	9.0	9.1	9.4	11.2	13.1	14.1	15.2	16.4	17.5	18.3	20.0	20.4	20.6	20.3	18.9	17.4	17.8	17.5	14.7	14.6	14.7	20.6
29	14.6	14.7	14.0	13.3	13.4	13.1	12.7	13.3	15.6	18.9	20.2	21.4	22.5	23.4	24.3	25.4	25.4	24.3	23.1	21.1	19.5	18.3	17.9	17.3	18.7	25.4
30	15.0	15.3	15.9	15.3	16.3	16.3	16.1	17.2	19.3	20.8	22.2	23.7	24.5	25.3	25.7	26.2	26.2	25.4	23.5	21.5	21.2	19.3	16.6	17.0	20.3	26.2
31	13.0	16.3	16.5	17.1	17.6	16.9	15.8	17.7	19.9	22.1	24.7	26.6	27.4	28.5	28.9	28.3	28.3	28.1	26.0	23.8	22.7	22.4	19.5	19.3	22.3	28.9
AV	15.4	15.0	14.7	14.1	13.9	13.6	13.2	13.9	16.4	18.5	20.1	21.7	22.6	23.5	24.1	23.9	23.7	23.0	21.2	19.3	19.0	17.6	16.5	15.9	18.3	
SD	4.0	4.2	4.3	4.4	4.3	4.1	4.1	4.3	4.7	5.0	5.1	5.2	5.5	5.8	5.9	6.2	6.3	6.2	5.6	5.2	5.0	4.5	4.2	4.3		
PK	20.2	19.3	20.1	19.3	19.7	19.0	17.6	18.0	21.5	24.5	26.4	29.7	30.7	31.7	32.7	33.1	32.9	31.5	28.1	26.5	25.6	23.4	22.1	21.1		33.1

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DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

APR. 1989

AEROVIRONMENT INC.

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*****  
**          **  
** FINAL DATA **  
** AS OF 12/NOV/91 **  
*****
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CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	19.0	18.1	18.7	19.1	18.1	16.5	18.4	19.2	21.7	23.5	24.8	26.0	27.9	28.3	28.7	29.0	28.4	27.3	25.2	23.3	22.2	20.9	19.5	18.1	22.6	29.0
2	17.7	17.4	17.9	17.0	15.6	17.4	17.0	17.9	19.9	21.4	23.3	24.2	25.4	26.4	26.0	26.1	27.9	27.2	25.6	23.2	21.9	20.9	19.7	18.7	21.7	28.1
3	18.4	17.9	16.9	16.7	16.4	16.3	16.5	19.5	21.6	23.6	25.3	26.4	27.9	28.0	28.5	26.8	26.3	26.3	24.9	22.8	21.9	20.9	19.7	18.4	21.6	26.9
4	18.1	18.1	17.9	16.7	17.1	17.4	17.3	18.8	21.6	23.8	25.4	26.6	27.9	29.0	29.7	30.0	29.9	29.0	27.0	25.0	23.4	22.2	20.1	18.4	21.6	26.9
5	24.3	23.9	21.3	23.5	20.0	18.6	16.7	19.5	24.0	26.6	28.7	30.3	31.5	31.6	32.0	32.0	32.0	31.5	29.3	26.8	25.6	25.5	23.9	23.2	30.0	30.0
6	22.8	21.1	20.4	21.5	20.4	19.3	18.9	19.6	23.1	26.3	29.2	30.7	32.0	32.4	32.9	32.9	32.9	32.4	30.4	27.8	26.9	25.6	23.9	22.4	26.0	32.0
7	22.5	22.1	22.4	23.1	22.0	21.3	21.9	22.7	25.6	28.1	29.5	30.8	31.8	32.6	33.0	33.3	33.4	32.5	30.7	28.0	27.6	27.5	22.9	22.4	26.0	32.0
8	22.9	22.7	22.7	22.5	22.2	21.0	22.4	24.4	26.0	27.6	29.0	30.0	30.9	31.8	32.4	32.4	32.9	32.3	30.5	28.7	26.6	25.4	23.1	22.4	26.8	33.7
9	21.8	22.2	21.8	21.1	21.3	19.3	23.4	25.2	27.7	29.1	30.0	30.7	31.4	31.9	32.4	32.4	32.3	31.5	29.7	28.7	26.2	25.0	24.1	22.7	26.9	33.1
10	20.7	20.2	19.9	19.2	19.6	18.6	17.8	20.2	24.2	26.2	27.3	28.6	29.4	29.9	30.5	31.0	30.9	31.5	29.9	27.0	25.0	24.6	24.5	21.3	26.1	32.4
11	19.9	19.0	18.7	18.6	18.1	18.0	18.1	19.7	20.9	20.1	23.3	25.0	25.7	26.3	26.9	28.4	28.7	28.3	26.8	24.6	23.5	22.2	21.0	20.3	24.3	31.1
12	19.7	18.9	18.7	18.6	18.1	18.0	18.1	19.7	20.9	20.1	23.3	25.0	25.7	26.3	26.9	28.4	28.7	28.3	26.8	24.6	23.5	22.2	21.0	20.3	24.3	31.1
13	19.3	17.8	18.3	17.1	17.2	17.1	16.3	19.4	21.4	23.1	25.2	26.7	27.6	28.3	28.5	28.6	28.7	28.3	26.8	24.6	23.5	22.2	21.0	20.3	24.3	31.1
14	19.5	19.5	18.8	17.9	17.5	17.2	18.0	20.3	23.1	25.2	26.7	27.6	28.3	28.5	28.6	28.7	28.3	26.8	24.6	23.5	22.2	21.0	20.3	24.3	31.1	28.9
15	18.9	19.5	20.3	19.0	18.3	19.5	19.9	21.0	23.4	24.3	26.1	27.0	28.2	28.9	29.5	30.4	30.5	30.1	28.6	26.7	25.5	24.3	23.2	20.9	20.5	29.5
16	21.2	20.9	20.3	20.2	19.4	19.3	19.9	21.0	23.4	24.3	26.1	27.0	28.2	28.9	29.5	30.4	30.5	30.1	28.6	26.7	25.5	24.3	23.2	20.9	20.5	29.5
17	21.9	22.0	21.7	21.9	21.0	18.8	19.1	21.7	24.0	26.5	28.9	30.8	31.4	32.1	31.8	31.7	31.3	30.1	28.6	26.7	25.5	24.3	23.2	20.9	20.5	29.5
18	23.9	23.9	22.6	22.4	22.2	22.3	22.1	23.4	26.9	30.0	32.5	33.9	34.1	34.5	34.9	34.3	34.3	34.3	32.6	30.2	28.7	29.3	25.4	22.3	22.3	31.3
19	25.4	25.2	25.9	24.3	24.5	26.0	24.0	24.6	27.7	30.7	33.7	34.6	35.6	35.8	36.3	35.4	35.9	34.4	33.5	32.6	30.2	28.7	29.3	25.4	22.3	31.3
20	24.3	24.3	24.2	23.8	20.7	22.6	21.0	22.2	24.9	26.9	28.3	30.1	31.4	31.6	31.2	31.4	30.9	29.9	27.6	25.7	24.9	24.2	22.9	22.0	22.9	36.3
21	22.0	17.9	18.7	18.2	19.4	18.0	18.9	21.6	22.9	24.8	26.3	28.1	29.4	29.9	30.1	30.9	29.9	27.6	25.7	24.9	24.2	22.9	22.0	22.9	22.9	36.3
22	16.5	15.3	14.0	14.1	13.6	13.2	15.2	17.0	19.4	21.4	22.7	24.2	25.3	25.7	25.6	25.4	24.0	24.1	22.2	20.7	18.6	17.3	16.4	21.6	27.6	27.6
23	14.0	13.3	12.4	12.6	11.8	11.2	11.6	13.3	14.7	15.6	17.0	18.3	19.4	19.9	20.1	19.9	18.9	17.7	16.2	15.0	14.4	13.5	15.2	19.6	25.9	25.9
24	10.2	9.9	10.0	9.7	9.6	9.8	10.5	12.6	14.0	15.9	18.1	19.5	20.5	21.4	21.8	22.6	22.7	22.4	21.2	19.1	17.9	16.3	15.0	16.1	22.7	22.7
25	13.6	13.7	13.2	11.7	12.3	11.7	13.0	15.4	17.0	18.7	20.0	21.2	21.7	22.5	23.9	24.0	23.7	22.4	20.5	20.1	19.6	17.5	16.5	18.2	22.7	22.7
26	15.1	14.8	14.8	15.1	15.3	14.7	15.0	17.4	19.3	21.2	23.0	23.9	24.4	25.5	25.6	25.8	25.3	24.0	22.0	21.4	20.7	18.0	16.9	20.2	25.8	25.8
27	16.8	16.7	16.8	16.2	15.9	16.1	16.0	18.6	20.6	22.1	23.7	24.9	25.8	26.9	27.2	27.6	27.0	26.4	25.3	23.7	22.7	21.8	20.7	19.5	21.6	27.6
28	20.0	19.6	19.1	19.9	18.3	18.0	19.1	20.2	22.4	24.4	25.9	27.4	28.3	29.0	29.4	29.6	29.4	28.7	27.2	25.1	23.8	22.9	21.4	20.4	23.6	23.6
29	3.6	3.7	3.6	3.8	3.4	3.5	3.2	3.2	3.5	3.8	4.1	4.1	4.0	3.9	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.4	3.3	3.3	3.3	3.3
30	25.4	25.2	25.2	24.8	24.5	26.0	24.6	26.9	29.2	31.1	32.8	34.6	35.9	36.5	36.3	35.4	35.9	34.4	33.5	32.1	30.4	29.3	27.9	25.4	36.5	36.5

JO00 [Program: EDMS_MONTHSUM

Version: LC: 25-NOV-903

TEMPERATURE C62101J

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

MAY, 1989

AEROVIRONMENT INC.

*
* FINAL DATA
* AS OF 12/NOV/91
*

CLOCK HOUR [LOCAL STANDARD TIME]

YY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK
1	19.1	18.9	19.3	20.0	19.7	19.8	18.3	20.7	23.3	25.0	26.7	27.9	29.1	29.6	30.0	30.0	29.6	28.3	26.5	25.5	24.8	21.3	21.0	24.3	30.0
2	20.4	20.5	20.5	20.0	19.3	19.0	19.9	22.0	24.2	26.0	28.0	29.3	30.0	30.5	30.9	31.2	31.4	30.9	29.6	27.4	26.9	25.1	22.9	22.4	25.3
3	22.0	22.3	20.8	19.7	20.2	19.3	19.7	22.5	25.2	26.9	28.3	29.5	30.3	31.4	32.3	32.6	32.2	31.3	30.5	28.1	27.1	25.3	21.3	26.1	31.4
4	21.5	21.7	21.1	20.3	20.9	20.4	21.4	23.9	25.7	27.9	29.3	30.7	31.6	32.6	32.9	33.1	32.6	32.3	30.9	28.6	27.2	24.8	23.2	26.6	33.1
5	23.7	22.6	22.5	21.6	21.2	21.1	21.4	23.9	26.8	29.1	30.3	32.0	32.8	33.9	34.9	34.8	34.3	32.7	30.1	29.1	29.2	24.8	24.9	28.0	34.9
6	25.0	24.4	23.6	23.6	23.2	23.0	23.3	26.8	28.5	30.9	32.6	34.0	34.6	35.5	36.1	35.7	36.0	34.5	32.6	29.8	28.9	26.2	25.1	29.3	36.1
7	24.7	25.5	25.7	24.3	23.4	23.3	23.3	26.8	28.3	30.9	32.6	34.0	34.6	35.5	36.1	35.7	36.0	34.5	32.6	29.8	28.9	26.2	25.1	29.3	36.1
8	25.5	25.5	25.7	24.3	23.4	23.3	23.3	26.8	28.3	30.9	32.6	34.0	34.6	35.5	36.1	35.7	36.0	34.5	32.6	29.8	28.9	26.2	25.1	29.3	36.1
9	26.8	26.4	26.7	25.7	25.1	25.1	24.9	25.6	27.3	28.7	30.7	32.5	33.9	34.0	34.7	34.2	33.7	32.8	31.3	28.8	25.8	24.0	23.1	28.8	34.7
0	22.5	21.5	22.1	21.0	20.3	19.5	20.9	22.3	24.3	25.2	26.6	28.1	29.5	30.3	30.5	30.2	29.7	28.4	26.8	25.2	23.6	21.9	20.6	19.0	24.6
1	18.0	16.9	16.5	16.0	15.6	13.2	15.3	18.1	19.3	20.0	18.9	19.4	20.7	22.7	24.2	24.2	23.7	22.3	20.9	19.3	18.0	16.8	16.0	14.1	18.8
2	12.2	11.5	11.3	11.1	11.1	10.4	12.2	14.3	15.7	17.2	18.4	19.7	20.6	21.5	22.5	23.1	23.4	23.5	22.3	20.8	19.5	18.0	16.5	15.4	17.2
3	14.6	14.2	14.2	13.6	13.5	14.1	14.0	16.6	18.5	20.1	21.1	22.7	23.8	24.9	26.1	26.5	26.1	25.4	24.2	22.4	20.9	19.3	17.7	16.4	19.6
4	15.6	14.2	14.1	14.7	14.8	14.9	15.3	17.8	19.3	20.7	22.2	23.7	25.0	25.7	26.2	26.5	26.3	25.8	24.5	22.4	20.7	19.1	17.9	16.5	20.2
5	16.4	16.0	15.6	15.4	15.0	14.8	16.4	18.8	19.8	19.5	20.4	21.8	23.4	23.9	24.1	23.6	23.4	22.9	22.1	20.9	17.0	16.3	16.2	16.1	19.2
6	15.4	14.9	14.3	13.7	12.8	11.8	12.7	13.0	12.9	9.9	10.7	10.9	12.2	14.6	16.2	15.2	12.7	14.7	13.5	12.9	12.6	12.5	12.9	12.5	13.2
7	12.6	12.2	10.9	12.2	11.8	11.3	12.3	13.1	15.6	16.8	18.0	19.8	21.1	22.8	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
8	18.1	18.4	17.8	17.3	13.3	16.4	18.3	21.1	23.8	25.0	26.9	28.3	29.6	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
9	21.4	20.6	20.1	20.1	20.0	18.2	19.9	21.9	24.6	26.4	27.7	29.9	29.3	30.4	31.4	31.9	32.0	31.4	30.5	29.3	27.2	26.5	23.4	23.0	25.6
0	22.9	22.3	22.4	21.5	20.8	22.5	23.9	26.7	28.9	30.3	31.2	32.3	33.3	33.7	34.4	34.3	34.1	33.4	30.7	29.7	29.7	29.1	25.5	25.2	28.0
1	23.9	24.7	24.7	23.5	21.5	21.6	22.6	27.2	29.1	30.8	32.2	33.0	34.1	34.5	35.0	35.0	34.6	33.7	31.2	29.4	28.3	27.5	26.8	26.8	35.0
2	25.6	25.6	25.0	23.2	23.6	24.0	24.0	27.7	29.6	31.3	32.3	33.8	34.9	35.9	36.2	36.7	36.0	34.2	32.1	29.9	29.0	27.0	25.5	25.0	30.0
3	26.1	26.1	25.2	25.5	24.4	24.5	24.9	26.7	28.6	30.3	32.7	33.8	34.7	35.3	36.1	36.5	36.8	36.2	34.7	32.2	30.0	28.5	27.9	25.2	30.1
4	24.7	24.4	24.1	24.4	25.0	23.4	24.8	26.2	27.8	29.2	30.1	32.1	33.0	34.4	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
5	23.2	22.1	21.7	20.9	20.8	21.0	21.5	24.2	25.8	26.8	28.6	29.4	30.6	31.5	32.1	32.4	32.2	31.5	30.4	28.3	26.8	25.4	23.9	22.1	26.4
6	21.7	21.2	21.8	20.8	20.6	19.9	20.3	24.1	25.5	27.4	28.9	30.5	31.6	32.7	33.2	33.6	33.9	33.3	30.6	29.3	27.4	25.5	25.1	27.2	33.9
7	23.4	23.0	22.2	21.0	21.9	22.1	23.1	25.5	27.4	29.0	30.8	32.0	33.1	35.0	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
8	24.6	23.8	23.0	21.6	22.0	22.0	23.8	25.4	27.1	28.2	29.6	31.2	32.6	33.4	34.0	34.5	33.9	33.0	32.2	30.6	29.1	27.3	26.2	25.3	28.2
9	24.5	24.2	23.7	23.3	23.1	22.9	23.9	25.0	25.7	27.0	29.0	30.0	30.8	31.5	31.6	31.9	31.6	30.9	29.6	27.4	25.6	24.2	23.2	21.7	26.9
0	21.3	21.0	20.4	20.0	19.5	21.2	22.7	23.6	25.3	26.8	28.4	29.4	30.3	31.1	31.4	31.0	30.1	29.0	26.8	24.9	23.5	22.0	20.4	25.0	31.4
1	19.7	19.1	18.5	18.5	18.8	16.7	18.9	21.7	24.1	26.0	27.4	28.6	29.3	30.5	30.7	31.5	31.6	31.0	30.2	28.2	26.7	26.1	23.0	21.6	24.9
2	20.8	20.8	20.5	20.1	19.6	19.3	20.2	22.4	24.3	25.7	27.0	28.3	29.4	30.5	31.1	31.3	31.3	30.7	29.3	27.3	25.7	24.7	23.0	21.8	25.2
3	22.0	21.2	20.8	20.4	20.1	19.9	20.3	22.6	24.5	25.9	27.2	28.5	29.6	30.7	31.2	31.5	31.5	30.9	29.5	27.5	25.9	24.9	23.2	21.5	24.9
4	23.2	22.3	21.9	21.5	21.2	21.0	21.9	24.2	26.1	27.4	28.7	29.9	31.0	32.1	32.6	32.9	33.0	32.4	31.0	29.0	27.0	25.0	23.0	21.0	24.0
5	24.4	23.6	23.2	22.8	22.4	22.1	23.0	25.3	27.2	28.5	29.8	31.1	32.4	33.7	34.0	34.3	34.3	33.7	32.3	30.3	28.3	26.3	24.3	22.3	25.3
6	25.6	24.8	24.4	24.0	23.6	23.3	24.2	26.5	28.4	29.7	31.0	32.3	33.6	34.9	35.2	35.5	35.5	34.9	33.5	31.5	29.5	27.5	25.5	23.5	26.5
7	26.8	26.0	25.6	25.2	24.8	24.5	25.4	27.7	29.6	31.3	32.3	33.8	34.9	35.9	36.2	36.7	36.0	34.2	32.2	30.2	28.2	26.2	24.2	22.2	25.2
8	28.0	27.2	26.8	26.4	26.1	25.8	26.7	29.0	30.9	32.6	33.6	34.7	35.3	36.1	36.5	36.8	36.8	36.2	34.7	32.7	30.7	28.7	26.7	24.7	27.7
9	29.2	28.4	28.0	27.6	27.3	27.0	27.9	30.2	32.1	33.8	34.8	35.9	36.5	37.3	37.7	37.9	37.9	37.3	35.8	33.8	31.8	29.8	27.8	25.8	28.8
0	30.4	29.6	29.2	28.8	28.5	28.2	29.1	31.4	33.3	35.0	36.0	37.1	38.2	39.3	40.4	41.5	42.6	43.7	44.8	45.9	47.0	48.1	49.2	50.3	51.4
1	31.6	30.8	30.4	30.0	29.7	29.4	30.3	32.6	34.5	36.2	37.2	38.3	39.4	40.5	41.6	42.7	43.8	44.9	46.0	47.1	48.2	49.3	50.4	51.5	52.6
2	32.8	32.0	31.6	31.2	30.9	30.6	31.5	33.8	35.7	37.4	38.4	39.5	40.6	41.7	42.8	43.9	45.0	46.1	47.2	48.3	49.4	50.5	51.6	52.7	53.8
3	34.0	33.2	32.8	32.4	32.1	31.8	32.7	35.0	36.9	38.6	39.6	40.7	41.8	42.9	44.0	45.1	46.2	47.3	48.4	49.5	50.6	51.7	52.8	53.9	55.0
4	35.2	34.4	34.0	33.6	33.3	33.0	33.9	36.2	38.1	39.8	40.8	41.9	43.0	44.1	45.2	46.3	47.4	48.5	49.6	50.7	51.8	52.9	54.0	55.1	56.2
5	36.4	35.6	35.2	34.8	34.5	34.2	35.1	37.4	39.3	41.0	42.0	43.1	44.2	45.3	46.4	47.5	48								

TEMPERATURE [62101]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

JUN, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 28/DEC/90 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
20.8	20.5	20.0	19.4	19.1	18.9	21.2	23.6	25.7	27.6	29.3	30.4	30.8	31.6	32.2	32.2	32.2	31.9	31.9	31.0	28.7	27.2	26.1	23.7	22.7	22.7	26.1	32.2
22.3	21.7	20.2	19.9	19.1	19.3	21.3	23.7	25.7	27.4	28.8	30.3	31.1	32.4	33.2	33.0	32.9	32.3	31.1	28.5	26.4	26.1	23.4	22.7	22.7	26.4	33.2	
21.0	21.7	21.8	20.5	20.1	19.0	19.6	21.6	24.0	25.6	27.0	28.1	28.8	29.6	30.1	30.7	30.7	30.3	29.4	27.6	26.2	24.1	23.0	22.7	22.7	25.2	30.7	
22.8	21.4	21.9	20.7	20.0	20.0	21.7	23.9	25.6	27.3	28.7	29.7	30.4	31.2	32.2	32.2	32.2	31.8	30.6	28.8	26.9	25.5	24.8	23.8	23.8	26.4	32.2	
23.2	22.6	22.3	22.1	21.7	22.2	21.0	24.2	26.3	27.6	28.3	29.8	31.2	32.5	33.3	33.0	33.1	32.3	31.0	28.9	27.1	25.6	24.7	24.5	27.0	33.3		
23.5	23.2	20.9	20.4	19.7	19.3	21.3	23.3	22.9	26.2	27.5	28.5	29.5	30.3	31.6	31.9	32.2	32.0	31.2	29.1	27.3	26.1	24.7	23.4	26.1	32.2		
21.7	22.2	22.1	22.0	21.6	21.3	22.5	24.3	26.3	28.2	29.8	31.4	32.0	32.9	33.3	34.2	34.2	34.2	33.6	31.5	29.3	27.3	25.9	25.7	27.9	34.2		
25.0	24.3	22.9	21.3	20.0	22.0	23.0	25.0	26.3	27.7	29.4	30.3	32.2	32.6	33.0	32.5	31.3	30.5	28.3	26.0	24.2	23.6	22.5	27.0	33.0			
22.0	21.3	20.3	21.5	21.2	21.2	22.1	24.5	26.3	28.3	29.4	30.3	31.0	31.7	32.4	32.5	33.4	32.7	31.4	29.5	27.3	26.2	25.4	24.3	27.0	33.2		
24.0	23.2	22.7	22.6	22.1	21.5	22.3	24.4	27.3	28.9	29.4	30.5	31.6	32.9	33.4	33.5	33.4	33.0	31.7	29.7	27.5	26.6	24.9	23.7	27.5	33.5		
23.2	22.4	22.0	22.0	21.6	20.9	22.3	25.5	27.1	28.9	30.5	31.3	32.1	33.0	33.6	33.6	33.9	33.6	32.3	31.1	29.3	27.6	25.3	24.1	27.3	33.9		
24.4	23.3	23.3	22.3	22.3	22.0	23.7	25.7	27.1	28.1	29.6	30.3	31.3	32.3	32.5	32.9	32.7	32.2	31.5	29.7	27.6	26.7	24.3	27.7	32.9			
24.1	23.2	23.9	22.3	21.6	22.6	23.9	26.7	28.0	29.5	30.3	32.1	33.7	34.7	35.3	35.5	35.2	34.1	34.0	32.5	30.9	30.6	28.5	27.7	29.2	35.5		
27.1	25.5	25.1	26.0	25.2	24.2	26.1	28.5	30.3	31.7	32.9	34.2	35.6	36.7	37.3	37.6	37.6	37.2	36.5	34.3	32.3	31.1	29.5	28.4	29.6	37.0		
29.3	27.9	27.6	27.1	26.5	26.1	25.1	29.1	30.3	31.7	32.9	34.2	35.6	36.7	37.3	37.6	37.6	37.2	36.5	34.3	32.3	31.5	30.4	28.6	31.8	37.6		
29.3	29.3	28.0	27.3	26.5	26.2	27.3	30.0	30.3	32.4	33.7	35.0	35.9	37.0	37.3	37.7	37.7	37.5	36.7	35.0	33.1	32.2	31.3	30.2	32.3	37.8		
28.1	27.9	27.7	28.5	28.1	26.3	28.3	31.5	33.3	35.2	37.0	38.4	39.5	40.4	41.0	41.1	40.7	38.6	33.5	37.9	35.9	34.2	32.7	31.8	28.9	33.1	38.9	
30.5	30.5	29.6	29.3	29.0	28.0	31.2	32.6	36.0	37.6	38.3	39.6	40.2	41.0	40.5	40.2	39.5	33.3	36.4	35.4	34.4	33.3	31.9	30.0	34.7	41.0		
29.3	29.5	30.0	30.1	29.0	28.1	29.7	30.9	32.2	33.4	34.9	35.1	35.5	36.7	37.2	37.7	37.6	37.3	36.4	35.0	34.6	33.4	31.3	29.3	33.1	37.7		
27.4	27.2	26.2	24.5	24.3	25.4	26.3	29.4	30.2	31.7	32.7	34.0	35.0	36.0	36.4	36.4	36.4	36.0	34.9	33.5	32.1	30.3	28.4	26.6	30.3	39.2		
26.5	26.2	25.3	25.5	24.5	22.7	26.3	28.0	29.3	31.6	32.3	34.4	34.9	35.5	35.7	35.7	35.3	34.6	33.3	31.0	28.1	26.7	26.2	25.3	29.9	36.4		
25.2	24.3	23.3	23.1	21.5	22.7	25.1	26.3	29.4	29.4	30.7	32.0	33.4	35.1	35.4	35.5	35.1	34.6	33.6	32.0	30.3	29.1	28.2	26.2	29.2	35.5		
26.0	26.9	26.0	26.6	26.1	25.9	25.3	28.4	30.5	31.3	32.9	33.3	34.9	35.7	36.1	36.2	35.9	35.3	34.2	32.4	30.2	29.7	28.1	26.6	30.6	36.2		
25.5	25.6	25.0	24.2	24.3	25.6	27.6	30.1	31.4	32.4	33.3	34.4	35.4	35.9	35.3	36.0	35.5	34.9	33.1	31.2	29.9	28.3	26.7	30.4	36.0			
26.5	26.5	26.3	26.1	25.2	24.9	26.4	27.2	29.0	30.2	30.8	31.4	32.4	33.3	34.1	34.3	34.3	34.6	33.5	31.3	30.1	30.0	29.0	28.7	29.9	34.3		
27.3	26.3	26.2	26.7	26.2	25.6	27.9	27.2	29.3	30.6	32.2	33.3	34.3	35.4	36.1	36.5	36.3	36.4	35.4	33.6	32.4	26.3	25.4	24.3	28.4	36.5		
24.6	22.6	23.0	24.1	22.9	22.3	24.7	26.1	29.2	30.6	33.3	35.7	37.0	38.0	38.1	38.3	38.4	37.7	36.9	35.0	33.1	31.6	31.1	30.2	29.4	36.5		
27.4	26.9	27.5	27.5	27.2	26.5	28.2	30.3	32.4	35.0	36.5	37.3	39.2	39.5	40.1	40.7	40.2	39.5	38.4	36.5	34.3	31.7	29.5	33.6	40.7			
25.5	25.0	24.7	24.4	23.3	23.5	24.3	27.0	28.7	30.4	31.7	32.9	33.9	34.3	35.4	35.5	35.2	34.6	33.6	31.9	30.1	29.0	27.7	26.4	29.6			
2.7	2.3	3.0	3.1	3.2	2.3	2.8	2.3	3.0	2.9	2.9	3.0	3.0	3.0	2.9	2.9	2.9	3.1	3.3	3.3	2.9	3.1	3.1	3.0	2.7			
30.5	30.5	30.0	30.1	29.0	23.1	31.2	32.6	36.0	37.6	38.3	39.6	40.2	41.0	41.0	41.1	40.7	40.3	39.1	37.2	35.1	35.0	32.3	30.2	41.1			

00 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-90J

 *
 * FINAL DATA *
 * AS OF 13/NOV/91 *
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM, TUCSON, AZ

JUL, 1989

AEROVIRONMENT INC.

TEMPERATURE C621013
 DEGREES CENTIGRADE
 LEVEL HEIGHT : 10 METERS

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	28.5	28.7	28.1	28.3	27.2	27.6	28.0	30.8	32.7	34.1	35.7	36.9	37.5	38.0	38.9	39.2	39.2	38.5	37.4	35.7	33.7	32.4	31.2	30.2	33.3	39.2
2	28.4	28.2	27.7	27.6	27.0	26.7	28.1	29.7	31.9	33.8	35.2	36.4	37.6	38.4	38.9	38.9	38.9	38.7	37.7	35.8	34.2	33.3	32.1	29.7	33.1	38.9
3	28.1	28.1	28.2	27.6	27.6	27.8	27.6	30.1	32.4	34.3	35.5	37.0	38.1	39.4	40.2	40.4	40.3	39.9	38.9	36.8	34.6	33.1	31.5	31.0	33.7	40.4
4	30.3	30.1	30.0	29.7	29.4	29.7	29.0	31.4	33.9	35.7	37.4	39.1	40.4	41.7	42.1	42.0	41.2	40.6	39.5	37.6	35.6	34.3	32.7	33.2	35.3	42.1
5	33.2	32.5	31.2	30.3	29.8	29.5	30.4	31.6	33.5	34.6	35.7	36.5	37.8	38.7	39.2	39.5	39.6	39.2	38.6	35.5	33.5	34.6	33.2	32.0	34.6	39.6
6	31.3	31.9	31.4	31.2	29.2	29.9	29.6	29.7	31.1	32.7	34.8	36.5	37.5	39.0	39.0	38.9	27.1	39.6	38.4	36.4	35.3	33.7	31.6	30.7	33.6	39.4
7	31.3	30.4	30.3	31.2	28.5	27.1	27.3	28.3	30.3	32.5	34.7	36.4	37.0	37.5	39.0	39.4	39.2	39.0	38.4	36.7	35.3	33.7	31.6	30.7	33.6	39.4
8	29.4	28.6	27.7	27.4	27.0	26.8	29.1	30.5	31.4	32.7	34.4	35.6	35.4	35.6	34.5	34.6	31.7	21.6	20.9	20.2	22.4	23.7	22.6	24.6	25.9	34.6
9	23.3	23.5	21.3	21.3	22.3	22.2	23.5	25.9	27.4	28.4	30.3	29.6	25.9	24.7	24.9	27.3	27.4	27.6	27.0	25.3	23.8	23.2	21.3	22.0	25.1	30.3
10	23.3	23.5	21.3	21.3	22.3	22.2	23.5	25.9	27.4	28.4	30.3	29.6	25.9	24.7	24.9	27.3	27.4	27.6	27.0	25.3	23.8	23.2	21.3	22.0	25.1	30.3
11	21.5	22.1	21.7	21.0	20.3	20.6	21.2	23.5	24.3	27.5	28.2	29.5	30.6	31.2	32.0	32.5	32.3	32.4	31.3	30.5	32.7	32.2	30.8	30.1	29.4	30.7
12	25.6	25.2	25.3	25.5	24.1	23.4	24.7	26.9	29.1	30.8	32.5	34.0	34.9	35.9	36.4	36.6	36.6	36.1	35.0	33.7	35.9	34.9	33.2	33.0	31.1	32.9
13	27.3	26.5	26.9	26.5	26.6	26.2	26.4	30.0	31.0	33.5	35.0	36.9	37.9	38.6	38.3	39.0	38.6	38.0	37.2	36.1	34.3	33.5	31.9	29.6	33.5	38.9
14	31.3	30.2	30.4	27.9	29.3	29.1	28.5	29.5	31.7	32.3	32.1	32.1	32.1	32.6	33.7	34.9	35.4	35.5	35.0	33.9	30.1	29.4	28.8	28.6	27.6	35.4
15	29.5	28.7	27.7	27.0	26.5	26.1	26.1	26.7	23.7	20.6	23.5	27.0	29.4	31.2	32.1	33.5	34.3	34.0	33.5	32.1	30.3	27.9	28.2	28.2	28.4	29.9
16	29.3	27.6	26.9	26.1	26.1	25.5	26.1	26.7	23.7	20.6	23.5	27.0	29.4	31.2	32.1	33.5	34.3	34.0	33.5	32.1	30.3	27.9	28.2	28.2	28.4	29.9
17	27.0	25.9	25.2	25.2	24.9	25.3	25.2	29.3	30.3	32.0	32.7	33.4	34.5	35.4	35.2	35.4	35.4	34.3	34.0	32.9	32.3	31.3	30.6	31.1	31.0	32.4
18	27.7	28.1	27.7	27.0	27.0	26.1	27.2	29.3	30.3	32.0	32.7	33.4	34.5	35.4	35.2	35.4	35.4	34.3	34.0	32.9	32.3	31.3	30.6	31.1	31.0	32.4
19	30.5	31.2	29.9	29.1	28.3	28.3	29.7	29.9	31.8	33.0	34.9	36.6	35.5	36.8	38.0	38.3	38.4	38.5	35.5	33.8	32.8	32.9	29.5	23.6	32.3	38.5
20	24.3	23.7	25.3	27.3	27.6	27.9	27.0	29.7	31.6	33.6	35.3	36.3	37.1	37.8	[MT]	39.0	38.9	35.5	31.3	30.7	29.3	28.2	23.3	21.9	30.6	39.0
21	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	30.3	31.7	33.0	34.2	35.3	35.6	36.0	34.3	27.5	21.3	23.1	22.0	22.8	22.7	23.1	28.9
22	22.7	23.3	23.2	23.0	23.7	23.5	23.8	25.8	27.2	28.1	30.1	31.4	32.4	33.0	33.7	34.0	34.2	34.0	31.7	29.5	27.7	25.9	26.3	26.3	26.3	28.1
23	25.2	25.5	25.5	25.4	25.3	25.0	25.9	27.6	28.4	29.7	30.9	31.9	32.9	33.5	32.6	32.8	32.8	32.8	32.8	31.7	29.5	27.7	25.9	26.3	26.3	28.1
24	24.2	24.2	24.3	24.9	25.0	25.1	25.1	27.0	28.5	30.2	30.9	31.9	33.2	34.6	35.6	36.3	36.8	33.7	32.2	31.0	29.8	28.5	28.3	27.7	29.5	36.8
25	26.9	27.5	26.9	26.6	25.8	25.7	25.5	27.1	28.6	29.8	31.0	32.6	34.2	35.0	35.0	33.5	33.5	32.0	27.1	26.9	27.0	27.0	25.8	24.3	29.0	35.0
26	24.7	25.2	24.3	22.6	22.5	23.1	24.2	26.4	28.0	30.4	31.4	31.6	33.0	33.3	34.3	34.4	34.1	30.2	28.1	26.9	21.5	21.5	21.3	21.3	21.3	34.4
27	21.5	21.6	22.0	22.3	22.0	22.3	22.1	22.3	24.3	[MT]	26.5	27.4	29.2	30.9	31.2	31.9	32.5	24.7	21.4	20.7	20.5	21.7	21.7	21.6	24.5	32.5
28	20.7	20.2	19.7	20.0	20.6	21.5	22.1	22.1	23.1	25.8	27.3	28.6	29.9	30.7	31.2	31.3	31.1	27.5	26.0	25.7	25.1	24.5	24.2	25.3	31.3	31.3
29	23.6	23.2	23.4	22.9	22.6	23.1	23.6	25.0	26.4	27.5	29.1	30.3	31.4	31.7	31.9	32.1	29.4	29.2	29.1	27.9	27.3	26.7	26.5	25.2	27.0	32.1
30	24.7	24.3	24.5	24.6	24.3	24.3	24.3	26.3	28.4	29.5	30.9	31.4	30.8	32.2	30.8	29.8	28.5	27.9	27.9	26.3	25.6	25.9	24.3	25.0	27.3	32.2
31	24.4	24.7	24.3	24.3	24.3	24.1	24.0	25.6	28.2	29.8	31.7	33.0	33.7	33.5	33.8	34.3	34.0	33.9	33.6	31.3	29.9	29.3	29.3	27.6	29.4	34.8
AV	25.7	25.5	25.2	25.9	25.6	25.5	26.0	27.7	29.2	30.9	32.2	33.4	34.2	34.9	35.4	35.5	34.8	33.7	32.2	30.3	29.4	28.8	27.9	27.1	30.0	
SD	3.4	3.2	3.1	3.0	2.7	2.5	2.4	2.6	2.9	3.2	3.2	3.2	3.4	3.6	3.7	4.0	4.2	5.1	5.5	5.1	4.6	4.1	3.8	3.6		
PK	33.2	32.5	31.4	31.2	29.3	29.7	30.4	31.6	33.9	35.7	37.4	39.1	40.4	41.7	42.1	42.0	41.2	40.6	39.5	37.6	36.1	35.3	33.2	33.2		42.1

Version: LC:26-NOV-90J

TEMPERATURE [62101]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM, TUCSON, AZ

AUG. 1989

AEROVIRONMENT INC.

*
* FINAL DATA
* AS OF 25/JUL/90
*

CLOCK HOUR [LOCAL STANDARD TIME]

OY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	27.2	27.7	27.5	26.7	25.3	26.4	26.2	27.3	29.6	31.2	32.4	33.7	34.6	34.9	35.6	35.8	35.9	35.0	33.9	30.3	23.8	29.0	27.0	25.5	30.3	35.9
2	25.5	25.3	25.0	24.1	23.7	22.6	23.2	25.9	27.2	28.5	29.3	31.4	32.7	33.9	34.8	33.3	33.3	32.0	26.9	26.4	26.6	25.6	25.2	24.9	27.4	34.3
3	24.6	25.4	25.7	24.9	24.6	24.2	23.9	25.1	26.4	28.3	29.5	31.1	31.3	30.3	24.3	22.2	24.2	26.3	25.3	25.3	24.9	24.3	25.1	24.3	25.9	31.3
4	23.4	23.3	23.4	23.2	22.4	23.3	23.9	25.7	27.0	27.4	27.3	26.7	26.4	24.2	22.4	23.1	23.3	24.3	24.1	23.3	22.7	22.3	22.3	22.7	24.2	31.3
5	23.0	22.4	22.1	22.4	21.4	22.2	22.6	23.8	24.9	26.0	27.7	29.2	30.5	31.3	31.7	32.0	32.5	31.5	22.7	24.0	24.9	23.8	23.8	25.7	27.7	32.5
6	23.1	23.2	22.7	22.3	22.5	22.0	21.8	23.4	25.0	26.5	27.8	29.0	30.5	31.5	32.6	33.2	33.7	33.6	33.0	31.5	30.6	29.8	28.8	26.9	27.7	33.7
7	26.5	25.9	25.3	25.1	24.9	24.4	24.9	25.7	27.0	28.7	30.4	31.7	32.9	32.9	32.6	33.4	32.8	26.9	21.9	20.7	20.6	21.8	22.7	23.7	33.9	
8	26.4	25.8	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
9	26.2	25.9	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
10	26.1	25.8	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
11	26.0	25.7	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
12	25.9	25.4	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
13	25.8	25.3	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
14	25.7	25.2	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
15	25.6	25.1	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
16	25.5	25.0	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
17	25.4	24.9	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
18	25.3	24.8	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
19	25.2	24.7	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
20	25.1	24.6	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
21	25.0	24.5	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
22	24.9	24.4	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
23	24.8	24.3	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
24	24.7	24.2	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
25	24.6	24.1	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
26	24.5	24.0	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
27	24.4	23.9	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
28	24.3	23.8	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
29	24.2	23.7	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
30	24.1	23.6	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
31	24.0	23.5	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
32	23.9	23.4	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
33	23.8	23.3	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
34	23.7	23.2	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
35	23.6	23.1	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
36	23.5	23.0	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
37	23.4	22.9	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
38	23.3	22.8	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
39	23.2	22.7	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
40	23.1	22.6	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
41	23.0	22.5	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
42	22.9	22.4	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8	33.9	34.4	34.8	32.8	29.6	29.8	29.6	29.1	28.4	28.5	27.7	28.3	33.4
43	22.8	22.3	25.0	23.7	23.0	23.7	24.2	25.0	26.8	28.4	30.2	31.2	31.8													

 *
 * FINAL DATA *
 * AS OF 26/JUL/90 *
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM, TUCSON, AZ

SEP. 1989

AEROVIRONMENT INC.

TEMPERATURE [62101]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

CLOCK HOUR LOCAL STANDARD TIME

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	26.6	27.1	26.4	25.4	24.5	24.3	24.0	26.2	28.4	29.8	31.6	33.3	34.1	35.0	35.4	35.7	35.6	34.8	33.4	32.4	31.2	29.7	28.9	27.7	30.1	35.7
2	27.4	26.7	26.1	25.2	24.8	24.6	24.5	24.8	25.2	26.0	26.7	27.4	28.6	28.5	29.2	30.4	30.3	30.3	29.1	28.1	27.3	26.3	26.4	25.9	27.1	30.4
3	25.0	25.0	23.4	23.6	23.1	21.9	22.1	24.0	25.1	26.7	28.6	30.1	31.3	32.3	32.7	33.0	29.3	21.5	22.6	21.6	21.7	22.6	21.5	22.6	25.5	33.0
4	21.4	21.1	21.3	22.9	22.7	22.7	21.5	23.3	25.1	27.4	29.1	30.8	31.7	32.9	33.4	34.1	34.0	34.0	32.7	31.1	29.9	29.0	26.4	27.2	27.7	34.1
5	27.5	25.7	25.3	25.9	22.6	24.6	25.7	26.9	23.7	30.6	32.1	33.4	34.4	35.0	35.3	35.3	34.9	34.4	32.5	31.5	30.3	29.6	23.6	23.5	30.1	35.3
6	27.4	27.3	27.7	26.4	25.7	25.4	25.1	25.4	27.4	29.7	31.6	32.6	33.1	33.6	34.5	34.7	34.1	33.4	30.3	29.5	30.0	29.4	27.7	23.0	29.5	34.7
7	27.5	26.7	26.0	25.4	25.7	23.4	23.6	26.0	23.3	30.5	31.9	32.1	33.3	34.0	34.3	34.4	34.1	33.7	32.7	30.5	29.9	23.9	27.5	27.1	29.5	34.3
8	26.2	25.1	25.5	25.4	24.9	24.5	24.5	26.2	23.1	29.7	31.0	32.1	33.2	34.0	34.4	34.5	34.2	33.3	31.7	29.9	29.0	27.7	26.4	25.1	29.5	34.5
9	23.4	23.0	22.7	22.3	22.9	22.9	23.1	24.4	26.5	23.8	30.5	31.1	32.2	33.1	33.6	33.7	33.7	33.0	31.3	29.1	27.3	26.1	25.5	25.4	27.9	34.1
10	24.9	24.2	23.5	22.7	22.7	22.4	21.3	24.1	26.2	23.5	30.3	31.1	32.2	32.9	33.7	33.6	33.4	32.5	30.3	23.9	26.3	25.7	25.1	24.9	27.4	33.9
11	24.9	24.4	24.2	22.9	22.3	21.2	19.3	22.2	25.9	23.4	30.1	31.1	32.0	32.9	33.7	33.6	33.4	32.5	30.3	23.9	26.3	25.7	25.1	24.6	26.3	32.3
12	24.1	23.3	23.2	23.5	23.1	23.3	23.2	23.4	25.7	27.4	23.3	31.0	31.9	32.3	32.3	32.7	32.3	30.4	23.6	27.5	25.9	25.4	23.3	22.9	25.0	31.0
13	23.5	23.5	23.4	23.1	22.2	22.1	21.3	23.7	25.4	25.2	27.4	23.2	29.0	29.7	30.5	31.0	30.3	30.4	23.6	27.5	26.6	26.0	24.3	22.9	26.4	32.4
14	23.3	23.4	21.7	21.3	21.3	21.3	21.1	23.2	25.4	27.1	29.1	30.3	31.4	31.7	32.3	32.4	32.3	31.4	29.2	30.6	23.3	27.1	27.5	27.3	23.5	34.4
15	24.5	24.4	24.4	23.0	21.5	21.9	22.7	24.5	27.3	29.2	31.7	32.3	33.1	33.7	34.1	34.4	33.3	33.2	32.0	30.6	23.3	27.1	27.5	27.3	23.5	34.4
16	27.2	27.4	27.1	25.6	25.0	23.5	23.1	25.6	23.3	31.3	32.3	33.6	34.5	34.9	35.2	35.5	35.4	34.2	32.1	31.1	30.2	29.3	23.2	26.3	29.9	35.5
17	26.4	24.9	25.1	25.0	24.9	24.5	24.1	25.6	26.3	23.3	30.0	31.2	32.2	33.3	33.3	33.4	32.4	31.5	29.9	23.7	27.5	26.6	25.0	25.0	23.2	33.3
18	24.5	23.6	23.2	22.7	21.3	21.5	22.5	24.3	26.2	23.3	30.2	30.7	30.6	31.6	31.7	31.9	32.1	31.7	29.6	27.7	26.3	25.3	25.2	24.6	27.0	32.1
19	22.9	23.0	23.0	22.9	22.7	22.6	23.2	25.4	27.4	23.5	29.6	30.0	32.3	33.2	33.3	33.0	32.4	31.2	23.9	26.9	25.3	23.9	22.7	21.3	26.9	33.3
20	20.7	20.5	13.1	17.0	16.7	15.5	15.2	17.4	19.7	22.0	24.3	26.2	27.7	23.9	29.6	30.1	30.0	23.9	26.1	23.9	23.2	20.9	20.7	20.1	22.6	30.1
21	19.9	13.3	19.0	13.4	13.5	19.2	13.3	20.0	22.4	20.7	22.4	26.2	27.7	23.9	29.6	30.1	30.0	23.9	26.1	23.9	23.2	20.9	20.7	20.1	22.6	30.1
22	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	22.4
23	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE
24	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE
25	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE	COE
26	29.9	29.4	29.1	23.3	23.6	23.4	27.9	23.8	29.9	30.3	31.6	32.4	32.9	33.7	34.3	34.2	33.7	32.6	30.3	29.4	23.7	27.7	26.6	26.0	30.3	34.3
27	25.3	25.3	25.5	25.7	25.5	25.0	24.1	26.0	27.0	27.6	23.9	30.7	31.9	32.6	33.2	33.1	32.6	31.4	29.6	23.7	23.9	27.4	26.7	25.9	23.2	33.2
28	25.1	23.7	23.0	22.3	22.5	22.3	21.3	22.9	26.2	23.7	30.0	31.2	32.5	33.3	33.3	34.1	33.6	32.3	30.3	23.7	23.9	23.2	27.3	26.1	27.3	34.1
29	23.3	23.9	24.2	23.3	21.9	20.5	19.6	23.1	27.5	29.3	30.9	32.1	32.9	33.9	34.5	34.7	34.2	33.0	31.0	30.1	29.6	29.3	23.6	27.9	23.4	34.7
30	27.3	27.1	26.6	24.9	23.3	22.4	22.9	24.5	27.7	30.5	31.9	32.9	33.5	34.2	34.4	34.3	33.9	32.3	30.3	23.9	23.2	25.2	25.1	25.1	23.7	34.4
AV	25.0	24.6	24.2	23.7	23.2	22.3	22.5	24.3	26.5	23.5	30.0	31.1	32.1	32.9	33.5	33.6	33.2	32.0	30.1	23.7	27.9	26.9	26.1	25.6	27.3	
SD	2.3	2.4	2.5	2.4	2.4	2.4	2.5	2.2	2.1	2.0	1.9	1.3	1.7	1.7	1.7	1.5	1.6	2.6	2.6	2.5	2.3	2.3	2.3	2.2		35.3
PK	29.9	29.4	29.1	23.3	23.6	23.4	27.9	23.3	29.9	31.3	32.3	33.6	34.5	35.0	35.3	35.3	35.6	34.3	33.4	32.4	31.3	30.3	30.4	30.2		35.3

TEMPERATURE [621013]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

OCT, 1989

AEROVIRONMENT INC.

*
* FINAL DATA
*
* AS OF 27/JUL/90
*

CLOCK HOUR [LOCAL STANDARD TIME]

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
1	24.6	23.4	22.2	22.2	21.8	21.2	21.2	19.9	23.8	26.6	28.8	30.5	31.3	31.5	32.0	32.4	32.3	31.1	28.5	26.3	25.2	24.9	24.2	23.1	26.2	32.4	
2	22.7	22.1	20.9	20.8	22.2	22.3	22.4	23.2	24.6	25.5	26.5	27.9	28.3	28.6	26.9	26.5	26.2	25.7	25.1	23.5	21.9	24.5	24.6	24.2	24.5	28.6	
3	21.6	22.0	22.0	22.3	22.4	22.0	21.4	22.9	24.3	26.3	26.5	27.2	27.5	28.3	28.4	28.6	27.8	27.0	26.3	25.4	24.1	23.0	23.1	22.6	22.4	24.5	
4	22.4	22.9	21.7	21.4	22.0	20.6	19.8	19.2	18.9	18.1	18.9	18.5	17.4	16.8	16.7	16.8	16.9	17.2	17.2	17.2	17.2	16.3	15.7	16.0	18.6	22.9	
5	15.6	15.2	15.0	14.9	14.3	15.4	14.4	14.1	14.1	15.0	16.4	17.7	19.7	20.0	20.3	20.3	20.3	21.2	19.4	18.3	19.2	19.1	18.5	18.1	17.2	21.2	
6	17.0	16.3	16.4	16.5	16.9	15.9	15.3	17.2	19.6	21.0	22.3	24.3	25.2	25.4	26.3	26.3	26.2	25.3	23.5	22.4	22.3	21.4	20.4	20.3	21.0	26.3	
7	17.5	20.4	19.3	19.2	18.1	18.3	18.6	19.0	21.2	22.6	24.2	25.9	26.3	27.4	27.8	27.6	27.5	26.5	24.3	22.9	22.9	21.5	20.4	20.9	22.7	27.3	
8	20.7	19.6	19.7	20.0	19.2	17.9	17.9	18.1	21.0	23.4	24.4	25.9	26.7	27.5	28.0	28.2	28.1	26.9	25.0	23.4	22.9	22.2	21.5	20.9	22.7	27.3	
9	21.9	18.3	19.1	19.4	20.0	19.6	19.5	18.9	22.3	24.4	26.3	28.3	28.7	29.1	29.2	29.6	29.4	28.0	25.5	23.7	23.7	23.3	23.0	22.0	23.0	29.2	
10	20.7	21.6	20.7	20.1	19.8	20.5	18.5	20.1	23.6	27.1	28.2	29.3	30.4	31.1	31.6	31.6	31.4	29.8	26.3	25.3	25.1	23.7	24.2	23.1	25.2	31.6	
11	21.5	22.4	21.6	21.9	21.4	22.6	21.7	22.4	24.7	26.3	28.1	29.6	30.5	31.2	31.3	31.3	30.9	29.9	27.3	27.1	25.5	23.8	22.1	23.2	25.3	31.3	
12	24.0	23.0	23.7	23.5	23.5	21.5	21.3	20.6	23.9	26.2	28.7	30.0	30.3	31.3	31.3	31.3	31.3	29.9	27.3	27.1	25.5	23.8	22.1	23.2	25.3	31.3	
13	23.3	23.7	22.3	23.3	23.3	22.3	21.5	22.5	24.7	26.9	29.1	30.7	31.6	32.3	32.3	32.5	32.0	30.3	27.4	27.3	27.1	25.5	23.8	22.1	23.2	25.3	31.3
14	23.0	23.4	22.9	23.0	23.2	22.1	21.1	22.0	25.1	27.7	29.4	30.1	30.9	31.5	31.5	30.9	29.9	27.9	25.5	23.4	22.6	21.5	21.0	21.4	24.0	25.7	32.3
15	20.3	20.7	20.9	20.1	19.2	19.2	18.5	19.2	21.1	22.4	24.0	25.2	26.1	26.3	26.3	26.5	26.2	24.3	23.1	22.4	20.3	19.5	19.3	19.1	22.2	25.9	
16	19.6	19.0	20.2	20.0	19.9	20.5	19.4	20.9	20.1	20.1	18.2	17.4	17.3	15.4	16.2	13.2	13.6	13.2	17.7	17.6	17.4	17.2	17.3	16.8	13.5	25.1	
17	15.9	15.0	15.6	15.3	16.7	16.5	16.7	16.4	13.0	21.0	22.1	23.0	24.1	24.1	25.2	25.6	24.4	13.7	15.3	15.0	15.1	14.9	14.3	15.0	13.5	25.1	
18	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
19	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
20	19.4	19.0	20.2	20.0	19.9	20.5	19.4	20.9	20.1	20.1	18.2	17.4	17.3	15.4	16.2	13.2	13.6	13.2	17.7	17.6	17.4	17.2	17.3	16.8	13.5	25.1	
21	16.9	16.0	16.6	16.7	16.5	16.7	16.4	13.0	21.0	22.1	23.0	24.1	24.1	25.2	25.6	24.4	13.7	15.3	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
22	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
23	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
24	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
25	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
26	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
27	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
28	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
29	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
30	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
31	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
32	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
33	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
34	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
35	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
36	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
37	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
38	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
39	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
40	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
41	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
42	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21.7	22.6	23.5	24.0	24.5	24.4	22.3	21.2	15.0	15.1	14.9	14.3	15.0	13.5	19.5	24.5	
43	15.5	15.1	15.4	15.3	15.3	14.3	15.4	16.5	13.7	19.3	21																

 *
 * FINAL DATA
 * AS OF 28/JUL/90
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM. TUCSON, AZ

NOV, 1989

AEROVIRONMENT INC.

TEMPERATURE [62101]
 DEGREES CENTIGRADE
 LEVEL HEIGHT : 10 METERS

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	15.6	15.2	14.7	13.9	14.3	14.1	13.0	13.7	15.1	17.2	18.5	19.5	20.0	20.8	21.0	20.9	20.8	18.9	17.1	16.9	15.5	14.1	14.2	14.2	16.6	21.0
2	11.8	11.2	10.9	10.3	10.2	11.2	10.8	10.1	13.0	17.2	19.4	21.0	22.3	23.1	23.5	23.5	22.8	20.1	18.4	16.1	15.3	16.8	14.6	14.6	16.2	23.5
3	12.8	11.6	12.8	10.1	9.8	9.6	9.8	9.9	14.3	17.1	19.7	21.6	23.0	23.4	23.4	23.3	22.5	20.7	19.4	18.2	17.6	15.2	15.3	15.4	16.5	23.4
4	15.4	15.4	15.9	13.7	11.8	10.4	12.4	14.2	16.0	18.7	20.4	22.0	22.8	23.3	23.7	23.7	23.2	21.4	20.3	18.2	16.7	16.2	15.7	15.3	17.8	23.7
5	14.5	14.0	15.0	14.9	14.3	14.6	13.9	14.3	17.5	19.3	20.9	21.7	22.1	22.7	23.2	23.3	23.1	21.3	20.4	20.3	16.9	17.0	16.3	16.3	13.3	23.3
6	14.6	13.2	14.1	15.3	14.2	13.3	13.9	14.9	17.1	18.9	20.4	21.6	22.5	22.9	23.2	23.2	22.7	21.0	19.3	19.3	13.7	16.3	16.3	14.9	13.2	23.2
7	14.5	13.7	13.9	13.5	14.4	14.1	13.5	14.3	17.0	17.1	18.9	20.6	22.0	22.6	22.7	22.7	21.9	19.3	18.6	13.2	15.7	15.2	14.9	15.2	17.3	22.7
8	13.9	13.6	12.6	12.6	12.9	12.3	12.0	13.2	15.2	17.5	19.2	20.9	22.0	22.3	22.9	23.1	22.6	21.2	19.5	17.9	15.7	16.2	15.2	15.5	13.9	23.1
9	13.9	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
10	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
11	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
12	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
13	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
14	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
15	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
16	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
17	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
18	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
19	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
20	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
21	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
22	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
23	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
24	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
25	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
26	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
27	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
28	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
29	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
30	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3

Version: LC:08-DEC-89

Program: EDMS_MONTHSUM

23.2

23.9

20.0

21.7

23.8

25.7

27.6

23.2

27.6

23.2

TEMPERATURE C62101J

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM, TUCSON, AZ

DEC. 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 30/JUL/90 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK		
1	5.3	4.5	3.3	3.7	3.5	4.5	4.7	3.5	5.9	3.4	11.1	14.0	15.7	15.7	15.6	15.3	14.3	12.5	12.7	13.0	11.3	11.5	11.0	10.6	9.7	15.7	
2	10.5	11.3	9.9	9.6	10.5	10.7	10.6	11.1	11.6	13.2	13.1	14.6	15.0	15.2	15.1	15.1	14.0	12.7	11.9	11.4	11.1	11.2	11.4	11.6	12.2	15.2	
3	11.5	11.5	9.7	9.0	7.9	7.4	7.2	7.2	9.9	11.3	13.5	15.3	16.6	17.7	13.0	17.3	16.3	15.2	14.4	13.0	11.7	11.4	10.5	12.4	12.4	13.0	
4	11.4	9.9	9.9	9.1	7.3	6.3	7.3	7.0	9.9	12.5	14.3	16.3	19.1	19.4	19.3	19.6	18.7	15.4	14.3	14.2	12.3	11.1	11.0	11.2	12.9	19.3	
5	10.1	10.2	10.9	10.9	9.6	8.3	6.9	7.6	11.5	14.9	15.3	18.3	19.5	21.2	21.9	21.8	20.9	18.7	18.3	17.1	16.0	15.5	14.0	13.1	14.7	21.9	
6	11.7	11.3	12.5	12.4	12.5	12.5	12.6	11.7	14.3	15.2	17.5	18.3	19.3	19.9	19.5	18.6	17.6	15.3	14.0	13.6	12.6	10.4	10.4	11.0	14.4	19.9	
7	3.9	10.1	9.5	10.2	9.2	8.7	10.2	9.4	8.3	12.5	13.3	15.5	16.9	17.5	17.3	13.0	17.6	13.4	15.3	14.6	14.1	11.3	10.3	11.4	12.2	13.0	
8	11.3	10.0	10.5	10.7	12.3	10.1	9.2	8.3	12.3	15.6	17.7	19.5	21.2	22.0	22.5	22.4	22.0	19.9	19.5	17.9	15.1	14.5	12.7	13.2	15.4	19.9	
9	13.0	13.3	12.5	11.9	12.5	11.2	11.2	13.0	15.1	16.1	17.7	19.0	19.7	20.2	20.6	20.2	13.5	15.7	15.7	13.2	12.3	11.9	10.5	12.7	13.2	15.4	22.5
10	9.9	10.0	10.1	9.0	8.2	7.2	5.7	4.5	4.9	5.3	6.3	7.1	3.4	9.9	10.5	10.2	9.4	7.5	6.3	6.0	6.7	6.3	5.5	3.3	7.5	10.5	
11	3.2	3.1	2.3	1.1	1.2	2.0	0.9	1.1	2.2	5.6	7.5	9.4	10.6	11.2	11.3	11.3	11.4	3.3	7.3	7.7	5.3	3.3	4.5	4.0	5.3	11.3	
12	4.3	4.3	4.3	4.3	4.3	4.4	4.9	3.0	4.7	7.2	11.5	13.7	15.0	15.4	14.3	15.1	14.2	11.9	10.4	9.2	9.1	9.0	7.2	7.2	3.7	15.4	
13	7.5	7.3	7.2	6.3	7.0	6.2	5.2	5.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
14	7.0	7.7	7.1	7.3	7.1	7.4	7.5	7.5	3.9	12.0	14.0	15.3	16.2	16.3	17.0	16.6	15.2	13.7	13.4	12.2	11.3	10.6	9.6	3.6	9.1	9.4	17.3
15	10.2	10.3	9.6	10.4	10.9	9.3	9.3	10.6	11.3	11.3	12.3	13.3	13.5	13.3	14.3	14.6	14.2	12.9	11.3	10.6	10.5	8.4	9.1	13.0	11.5	11.7	17.0
16	7.3	7.0	7.5	6.3	7.7	7.6	7.3	7.4	3.5	10.2	11.3	12.3	13.5	14.2	14.6	14.6	14.2	12.5	11.2	11.4	11.3	9.4	8.1	3.0	10.4	14.6	
17	9.7	9.9	10.0	9.3	8.7	7.3	6.7	6.4	7.3	9.9	11.5	13.0	13.5	14.1	14.1	14.2	13.9	12.4	12.1	12.6	11.7	11.0	10.2	10.4	14.6	14.6	
18	3.5	3.4	3.6	3.0	3.3	7.3	3.4	3.4	9.6	11.2	12.6	14.1	15.3	16.0	16.2	16.1	15.6	13.5	12.1	11.6	11.1	3.3	9.0	9.1	11.2	16.2	
19	6.5	6.0	6.5	6.2	6.1	5.3	5.1	3.3	5.4	9.7	13.2	14.9	16.2	17.0	17.2	16.7	14.0	12.6	11.5	10.9	10.4	3.4	3.6	7.3	10.1	14.6	
20	7.1	7.9	3.4	6.5	7.3	5.9	4.3	5.4	7.7	11.3	14.4	16.4	18.1	19.6	20.2	20.3	18.3	16.6	14.3	12.3	11.3	9.9	9.9	9.9	10.2	17.2	
21	3.0	7.9	3.2	3.4	7.3	3.1	10.3	9.0	10.7	13.9	16.3	19.0	21.0	22.6	23.5	23.5	22.2	19.3	16.9	16.1	15.4	12.5	12.1	10.3	14.3	23.5	
22	10.5	10.3	10.0	3.2	9.0	7.3	7.3	7.0	3.6	13.3	16.7	19.4	20.5	21.7	22.0	22.2	20.3	13.0	16.7	15.4	12.5	12.1	10.3	14.3	23.5	23.5	
23	11.4	11.5	11.3	3.9	3.9	9.6	10.3	11.0	11.7	13.9	15.9	17.5	18.6	20.2	19.2	13.5	17.6	16.0	14.9	13.6	13.5	14.2	13.4	12.4	13.9	20.2	
24	12.2	12.4	11.5	10.9	11.1	12.9	10.7	11.3	14.2	17.3	19.5	20.5	20.3	20.1	20.2	13.4	16.5	14.9	12.9	11.6	10.7	10.5	10.3	14.2	13.9	20.2	
25	9.3	9.3	10.0	9.5	9.3	9.1	9.9	10.6	10.3	13.0	14.2	15.1	15.3	15.3	15.0	15.3	15.0	13.9	13.2	13.4	11.9	11.3	11.0	11.0	12.3	16.0	
26	11.4	11.3	11.1	3.3	6.7	6.5	6.4	6.7	7.5	3.2	3.7	3.3	9.0	3.5	3.5	7.6	7.0	7.7	7.1	6.7	6.1	6.5	6.6	6.3	7.9	11.4	
27	5.2	5.3	4.6	4.9	5.6	4.9	3.3	3.4	5.4	7.1	3.7	9.3	11.1	11.7	12.0	12.4	11.6	9.7	3.3	3.2	7.2	6.3	6.2	6.0	7.6	12.4	
28	5.4	5.2	4.9	5.1	4.7	3.3	4.2	3.6	5.0	6.4	3.6	10.6	11.3	13.0	14.2	14.4	14.2	11.5	10.4	9.0	3.5	7.2	3.2	6.0	3.2	14.4	
29	9.0	3.3	3.7	3.2	3.1	7.7	7.5	7.4	9.0	11.3	13.2	14.3	15.3	16.6	16.9	16.3	16.0	14.0	12.9	12.1	11.3	10.3	9.3	9.6	11.4	11.4	
30	2.5	2.6	2.6	2.5	2.5	2.6	3.0	3.0	2.9	3.0	3.1	3.4	3.5	3.7	3.7	3.4	3.4	3.2	3.0	2.3	2.5	2.6	2.3	2.5	2.5	2.5	
31	13.0	13.3	12.5	12.4	12.5	12.9	12.6	13.0	15.1	16.1	17.7	19.5	21.2	22.6	23.5	23.5	23.2	19.9	19.5	17.9	16.0	15.5	14.0	13.2	13.2	23.5	

000 [Program: EDMS_MONTHSUM

Version: LC: 03-DEC-89J

 *
 * FINAL DATA *
 * AS OF 12/NOV/91 *
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM, TUCSON, AZ

JAN, 1989

AEROVIRONMENT INC.

DEWPOINT [62103]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

CLOCK HOUR [LOCAL STANDARD TIME]

Y	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	-12.3	-12.0	-10.7	-11.0	-11.3	-11.4	-10.1	-9.0	-8.2	-6.1	-0.3	-0.2	-0.3	-1.7	-2.7	-2.6	-4.0	-4.4	-5.1	-4.3	-4.3	-6.4	-6.2	-6.1	-6.4	-0.2
2	-7.2	-7.6	-7.5	-6.3	-7.1	-6.9	-5.9	-5.3	-4.8	-2.5	-0.6	-0.9	-2.2	-1.1	-0.6	-0.3	-0.3	-0.3	-1.0	-0.9	-0.9	-0.3	-0.3	-0.3	-0.7	-3.1
3	0.5	1.5	1.7	1.6	2.4	3.0	3.2	3.0	2.2	3.4	4.6	5.6	5.7	6.2	6.3	6.5	6.4	5.9	6.1	5.6	5.9	5.7	5.3	5.6	4.4	6.3
4	6.1	6.7	6.7	7.7	8.0	8.5	9.0	9.2	9.1	9.4	8.5	5.9	3.3	3.2	3.0	2.3	3.6	3.9	4.1	5.5	5.1	5.2	4.9	5.0	6.0	9.4
5	4.7	4.7	4.3	3.9	3.4	3.4	3.0	2.6	3.2	3.5	3.7	3.6	3.9	3.2	1.3	1.3	1.0	1.1	1.1	1.5	3.0	2.3	2.2	1.7	2.9	4.7
6	1.1	1.0	0.5	1.3	1.2	1.1	0.9	0.6	1.0	[MT]	2.2	2.2	2.7	2.4	2.2	2.0	2.1	2.6	1.5	0.2	-0.3	-0.1	-0.2	0.1	1.2	2.7
7	-0.5	-1.4	-2.5	-3.5	-4.1	-3.6	-4.3	-4.3	-3.3	-3.5	-4.6	-6.4	-9.9	-11.3	-12.7	-13.2	-13.0	-12.2	-12.0	-12.3	-12.7	-10.3	-8.3	-9.6	-7.5	-0.5
8	-3.9	-3.3	-9.4	-9.7	-9.2	-9.4	-9.4	-10.2	-8.6	-7.8	-7.4	-7.5	-7.1	-7.4	-3.1	-3.4	-6.5	-5.5	-5.5	-3.1	-7.9	-5.9	-6.1	-7.0	-7.9	-5.5
9	-7.2	-7.7	-3.7	-10.6	-10.9	-11.2	-11.2	-9.9	-8.3	-10.3	-9.3	-8.3	-8.3	-3.1	-3.0	-3.4	-7.0	-5.3	-5.4	-5.4	-5.1	-5.0	-5.5	-6.2	-3.1	-5.0
0	-5.1	-5.9	-7.3	-7.5	-8.0	-7.6	-7.3	-8.7	-7.0	-7.2	-6.0	-3.3	-3.7	-3.6	-4.1	-5.5	-7.0	-6.3	-4.2	-4.3	-6.0	-5.7	-6.0	-6.1	-6.1	-3.6
1	-5.3	-6.2	-6.5	-6.1	-6.7	-6.3	-6.0	-5.3	-4.4	-3.5	-3.3	-3.9	-3.6	-3.2	-3.5	-3.3	-3.3	-2.6	-2.4	-2.4	-2.5	-2.7	-3.0	-4.0	-4.2	-2.4
2	-4.5	-4.3	-5.2	-5.5	-5.4	-5.9	-5.6	-5.4	-5.9	-5.6	-5.9	-6.5	-7.4	-9.6	-10.4	-11.0	-11.3	-11.0	-10.9	-10.3	-6.3	-5.1	-6.3	-6.7	-7.2	-4.5
3	-7.3	-3.1	-3.5	-3.5	-3.7	-3.3	-3.3	-3.3	-3.2	-7.9	-7.9	-7.3	[MT]	-7.0	-6.7	-7.0	-9.0	-9.7	-10.3	-10.1	-3.4	-7.4	-9.1	-3.1	-7.2	-6.0
4	-3.5	-3.5	-3.5	-3.7	-3.9	-7.6	-7.7	-9.0	-9.2	-3.0	-6.3	-6.3	-6.3	-6.1	-5.7	-6.4	-7.3	-6.6	-5.1	-4.1	-4.1	-4.4	-4.7	-4.9	-5.7	-6.4
5	-7.3	-7.4	-7.9	-7.7	-7.6	-7.6	-7.7	-9.0	-9.2	-7.3	-6.3	[RF]	-6.1	-5.7	-6.4	-6.3	-6.5	-5.4	-4.7	-4.0	-4.4	-4.6	-4.7	-4.7	-5.9	-4.0
6	-5.1	-5.7	-5.6	-5.3	-6.1	-6.7	-7.7	-9.0	-6.3	-7.1	-7.3	-6.7	-5.5	-5.3	-6.3	-6.4	-6.9	-6.2	-5.2	-4.6	-3.3	-3.6	-3.7	-3.9	-3.3	-3.3
7	-4.3	-4.3	-4.6	-5.6	-6.9	-7.7	-6.9	-7.6	-8.0	-6.6	-6.9	-7.1	-6.6	-5.6	-6.4	-6.9	-6.2	-5.0	-3.6	-3.5	-3.9	-4.5	-5.2	-6.5	-6.9	-4.7
8	-3.3	-3.3	-4.1	-3.3	-4.2	-4.6	-5.5	-6.3	-4.6	-5.2	-5.6	-5.2	-5.4	-5.9	-7.5	-7.0	-5.0	-3.6	-3.5	-3.9	-4.7	-5.5	-5.6	-6.5	-6.9	-4.4
9	-5.6	-5.9	-6.7	-7.1	-7.5	-7.3	-7.2	-8.2	-7.3	-6.6	-6.7	-5.4	-5.6	-5.3	-6.1	-6.7	-6.9	-6.5	-5.9	-4.7	-5.5	-5.5	-5.6	-6.5	-6.9	-4.4
0	-7.9	-3.5	-3.2	-3.3	-3.5	-3.3	-3.5	-3.1	-6.9	-5.9	-5.6	-5.3	-6.0	-6.2	-5.7	-5.3	[MT]	-6.3	-5.3	-5.3	-5.3	-5.6	-5.6	-5.5	-5.4	-6.7
1	-5.2	-5.4	-5.3	-5.3	-5.4	-5.3	-5.2	-4.6	-4.6	-3.9	-3.7	-3.1	-3.0	-2.9	-2.9	-3.3	-3.0	-2.3	-2.9	-3.1	-3.0	-2.9	-3.4	-3.0	-3.9	-2.3
2	-3.0	-3.1	-3.0	-3.1	-3.1	-3.3	-3.3	-3.2	-2.1	-1.4	-1.3	-1.2	-1.0	-0.6	-0.9	-2.0	-2.7	-3.2	-3.3	-2.1	-2.6	-2.5	-2.5	-2.4	-2.2	-1.4
3	-3.2	-3.4	-3.5	-3.4	-3.5	-3.4	-3.5	-3.4	-2.1	-1.4	-2.4	-1.6	-1.6	-2.0	-2.3	-2.4	-2.2	-2.5	-2.5	-1.3	-3.2	-3.2	-3.7	-3.4	-0.3	3.7
4	-1.9	-2.3	-2.6	-2.5	-1.6	-0.8	-0.7	-0.6	-0.4	0.4	0.3	-0.1	-0.4	0.5	0.5	0.1	0.1	1.3	1.5	1.3	0.1	3.2	3.7	3.4	-0.3	3.7
5	3.0	2.7	2.1	2.0	1.3	1.9	1.7	2.1	3.2	3.9	2.7	1.0	1.0	0.6	0.3	0.1	0.1	2.5	2.2	2.1	1.9	1.3	1.5	1.4	1.3	3.9
6	1.2	1.0	1.0	0.2	-0.9	1.5	-1.7	-1.3	-1.1	-1.7	-0.9	-2.1	-3.4	-3.9	-4.2	-2.0	-2.0	-0.3	-0.1	0.7	2.2	2.4	2.6	2.3	-0.6	2.6
7	2.5	2.6	2.5	2.6	2.5	2.6	2.5	2.6	1.9	2.2	1.9	1.5	1.9	1.6	1.9	[MT]	2.4	2.6	2.7	1.9	1.3	1.3	1.5	1.7	1.7	2.1
8	2.3	1.3	0.9	1.0	1.2	0.7	0.2	0.5	1.2	1.5	1.3	1.0	0.9	0.6	-0.5	-1.6	-2.0	-1.6	-1.2	-1.2	-1.5	-1.7	-1.6	-1.9	-0.1	1.3
9	-1.9	-3.0	-2.3	-2.4	-2.6	-2.3	-3.0	-2.7	-1.5	-1.2	-1.3	-0.7	-0.6	-0.2	-0.9	-1.6	-1.3	-1.3	-2.5	-2.5	-2.0	-2.6	-2.3	-2.9	-1.9	-0.2
0	-3.5	-3.6	-3.3	-4.0	-4.2	-4.6	-4.6	-4.7	-3.4	-3.2	-3.2	-2.6	-2.3	-2.4	-2.6	-2.4	-2.4	-1.3	-1.3	-2.5	-2.9	-3.1	-3.7	-3.6	-3.2	-1.3
1	-4.0	-3.6	-3.6	-3.6	-3.9	-4.5	-4.3	-4.5	-3.9	-2.2	-1.4	-0.9	-0.8	-0.5	4.1	3.3	2.9	3.0	2.7	2.3	3.1	3.5	3.3	3.7	-0.3	4.1
2	-3.4	-3.6	-3.3	-3.9	-4.1	-4.2	-4.1	-4.3	-3.4	-2.9	-2.5	-2.5	-2.6	-2.3	-3.3	-3.4	-3.2	-3.0	-2.9	-2.3	-2.6	-2.4	-2.6	-2.3	-3.2	-3.2
3	-4.4	-4.5	-4.4	-4.6	-4.7	-4.3	-4.7	-4.3	-4.5	-4.3	-4.4	-4.1	-4.0	-4.1	-4.5	-4.6	-4.5	-4.4	-4.2	-4.2	-4.2	-4.0	-4.1	-4.1	-4.2	-4.2
4	-6.1	-6.7	-6.7	-7.7	-3.0	-3.5	-9.0	-9.2	-9.1	-9.4	-3.5	-5.9	-5.7	-6.2	-6.3	-6.5	-6.4	-5.9	-6.1	-5.6	-5.9	-5.7	-5.3	-5.3	-5.6	-9.4

Version: LC: 25-NOV-90J

OU000 [Program: EDMS_MONTHSUM

DEWPOINT (62103J)

DEGREES CENTIGRADE
LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

FEB. 1989

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 12/NOV/91 *

CLOCK HOUR [LOCAL STANDARD TIME]

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	3.6	3.6	3.9	4.0	4.1	4.2	4.3	4.5	4.8	5.4	5.7	5.7	5.3	4.8	4.5	4.1	4.1	2.9	1.6	1.4	1.6	1.3	1.2	1.1	3.7	5.7
2	1.5	2.3	2.1	2.4	2.6	2.6	2.9	3.0	3.8	4.3	4.1	4.5	3.7	3.1	3.1	1.8	1.4	1.2	0.8	0.5	0.0	-0.7	-0.7	0.1	2.1	4.5
3	0.8	1.1	1.0	1.6	1.6	0.9	0.5	1.1	1.8	[MT]	0.8	0.2	0.5	0.8	0.5	-0.8	-1.5	-2.2	-2.7	-2.4	-2.4	-2.2	-2.0	-1.8	-0.2	1.8
4	-1.3	-1.3	-1.9	-2.3	-2.4	-2.4	-2.4	-2.3	-0.7	-0.3	-0.2	0.0	-0.8	-2.1	-3.3	-2.7	-3.2	-3.3	-3.5	-3.7	-3.4	-2.2	-1.7	-2.0	-2.1	0.0
5	-2.3	-2.4	-2.7	-3.0	-1.9	-1.5	-2.5	-2.4	-1.1	-0.9	-0.2	0.7	1.2	2.0	3.4	2.5	1.9	1.1	0.7	0.9	1.1	-0.7	-1.4	-1.2	-0.4	3.4
6	-2.1	-2.3	-2.8	-2.0	-1.9	-2.1	-2.6	-2.7	-2.3	-2.5	-2.5	-2.1	-2.4	-3.8	-3.8	-3.9	-4.1	-4.2	-4.3	-4.9	-5.2	-5.4	-5.7	-5.7	-3.4	-1.9
7	-5.3	-5.5	-6.1	-5.8	-6.8	-6.5	-6.4	-5.6	-4.3	-3.7	-3.2	-2.1	-1.0	-1.4	-1.1	-0.5	-2.4	-3.8	-4.2	-4.1	-4.2	-4.3	-3.9	-4.1	-4.0	-0.5
8	-4.5	-4.2	-3.9	-3.5	-2.8	-2.5	-3.0	-2.1	-0.4	0.7	1.7	2.0	2.4	2.6	3.1	2.2	2.4	1.5	1.3	0.9	1.6	1.3	0.6	0.2	-0.2	2.6
9	0.2	-0.1	-0.4	-0.6	-0.8	-1.2	-2.0	-2.5	-1.9	-1.1	-0.3	[MT]	[MT]	[MT]	[MT]	2.5	2.5	3.1	2.9	2.6	2.3	2.4	2.4	1.3	-0.1	2.5
10	-2.0	-2.1	-1.5	-1.8	-1.7	-2.0	-2.5	-2.9	-1.9	-1.1	-0.3	[MT]	[MT]	[MT]	[MT]	2.5	2.5	1.1	1.2	1.1	1.2	0.7	0.5	-0.1	1.3	3.7
11	1.0	1.0	0.9	0.9	0.9	1.0	1.2	1.4	2.5	3.1	3.7	3.4	3.1	0.9	0.9	0.3	1.5	1.2	1.1	1.4	1.2	0.7	0.5	-0.1	1.3	3.7
12	-1.5	-1.9	-2.4	-2.3	-2.2	-2.5	-2.6	-2.9	-1.5	-1.3	-2.1	-2.5	-2.3	-1.9	-1.1	-0.9	-0.9	-0.9	-1.1	-1.8	-2.3	-1.4	-1.3	-1.9	-1.7	0.2
13	-8.6	-6.7	-6.2	-6.3	-6.4	-6.6	-6.4	-6.2	-5.3	-4.8	-4.9	-6.0	-7.1	-6.1	-7.1	-7.6	-7.6	-7.5	-7.4	-7.6	-7.8	-7.6	-7.7	-7.8	-6.8	-4.8
14	-8.1	-8.3	-8.4	-7.9	-7.5	-7.3	-7.2	-6.9	-5.0	-3.8	-3.3	-2.1	-2.5	-2.3	-1.9	-2.3	-2.7	-2.8	-3.1	-2.0	-2.7	-3.1	-3.2	-3.5	-4.5	-1.9
15	-4.0	-3.5	-3.3	-3.5	-3.7	-3.5	-3.3	-3.3	-2.6	-2.0	-1.4	-1.6	-1.3	-0.8	-0.5	-0.9	-0.8	-1.1	-2.6	-3.1	-3.4	-3.1	-3.2	-3.5	-4.5	-1.9
16	-3.3	-3.1	-3.4	-3.0	-3.3	-2.9	-2.4	-2.6	-1.4	0.4	2.6	3.8	4.9	5.0	5.0	4.8	4.3	4.9	5.4	4.7	4.5	4.4	4.0	3.2	-2.5	-0.5
17	-0.1	-0.4	-0.5	-0.3	-0.5	0.5	0.0	0.1	1.1	1.8	2.4	1.7	1.5	1.7	0.9	1.9	2.1	2.0	2.3	2.1	1.9	1.5	0.8	0.3	1.6	5.4
18	-1.0	-0.7	-0.3	-0.2	-1.0	-0.9	-1.3	-1.5	-1.6	-1.2	-3.2	-6.6	-5.5	-4.1	-3.6	-3.3	-3.1	-3.5	-4.2	-4.3	-4.1	-3.6	-2.7	-2.5	-2.7	0.2
19	-2.5	-2.4	-2.2	-2.1	-2.5	-3.1	-2.9	-2.4	-1.1	-0.8	-0.1	0.2	0.7	1.3	0.4	-1.4	-2.4	-3.5	-4.9	-4.1	-4.0	-4.0	-4.7	-5.7	-2.3	1.3
20	-8.4	-8.4	-8.4	-8.4	-8.4	-8.7	-8.7	-8.7	-5.6	-5.8	-6.2	-6.5	-6.3	-5.7	-6.1	-6.5	-6.9	-8.1	-7.8	-8.4	-8.5	-8.4	-8.2	-8.4	-7.3	1.3
21	-9.6	-9.7	-9.3	-9.3	-9.3	-9.5	-9.3	-8.9	-6.7	-6.1	-6.3	-6.0	-5.8	-5.7	-6.1	-6.5	-6.9	-8.1	-8.5	-7.6	-8.8	-9.6	-9.8	-9.9	-7.8	5.7
22	-7.1	-7.1	-7.1	-6.9	-6.9	-6.7	-6.8	-6.6	-4.6	-4.1	-4.1	[MT]	[MT]	[MT]	[MT]	4.3	4.3	5.4	6.2	7.3	7.3	7.4	7.4	7.4	-7.3	-4.2
23	-5.6	-5.7	-5.7	-5.7	-5.6	-5.7	-5.6	-5.2	-3.6	-3.2	-2.9	-3.5	-3.2	-3.0	-4.4	-5.2	-4.1	-4.5	-4.8	-5.8	-5.6	-5.6	-5.2	-5.6	-5.8	4.1
24	-5.1	-5.2	-5.2	-5.1	-5.3	-5.5	-5.7	-5.1	-3.3	-3.3	-3.1	-3.3	-3.4	-2.5	-1.9	-2.5	-1.8	-4.5	-4.8	-4.9	-5.1	-5.0	-5.0	-5.1	-4.7	-2.9
25	-0.4	-0.4	-0.4	-0.2	0.0	-0.1	0.0	0.3	1.7	2.0	1.8	1.3	0.7	1.0	0.0	-1.0	-1.2	-0.7	-0.3	-0.2	0.1	0.6	0.0	-0.2	-2.9	0.6
26	-3.5	-3.5	-3.1	-2.9	-2.7	-2.8	-2.9	-1.0	1.1	1.0	1.4	2.8	3.0	3.0	2.6	1.8	1.0	0.8	1.7	2.6	-3.5	-3.6	-3.5	-3.2	-0.6	2.0
27	-3.0	-2.9	-2.9	-2.8	-2.8	-2.9	-2.7	-1.4	-1.1	-0.8	-0.8	-0.8	-0.7	-0.7	-1.3	-1.6	-1.9	-2.4	-2.7	-2.7	-2.6	-2.6	-2.7	-2.9	-2.2	
28	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.2	3.3	3.4	3.8	3.7	3.4	3.6	3.6	3.7	3.7	3.9	3.9	3.8	3.8	3.6	3.5	3.6		
29	3.6	3.6	3.6	4.0	4.1	4.2	4.3	4.5	4.8	5.4	5.7	5.7	5.3	5.0	4.8	4.3	4.3	4.9	5.4	4.7	4.5	4.4	4.0	3.9		5.7

* EDMS MONTHSUM *

Version: LC:26-NOV-90J

 *
 * FINAL DATA
 * AS OF 12/NOV/91
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM, TUCSON, AZ

MAR, 1989

AEROENVIRONMENT INC.

DEWPOINT [62103]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

CLOCK HOUR CLOCAL STANDARD TIME

CLOCK HOUR	LOCAL STANDARD	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	0.6	0.7	1.3	1.3	1.6	1.7	2.2	2.1	2.7	2.3	1.6	1.1	0.5	0.1	-0.6	-2.3	-3.5	-3.6	-4.2	-4.0	-3.7	-3.1	-2.4	-2.1	-0.4	2.7	
2	-2.0	-1.4	-1.4	-1.9	-3.2	-4.1	-3.8	-4.2	-3.1	-1.1	0.0	-1.1	-0.3	-1.1	1.6	2.8	1.4	1.0	1.9	1.6	2.4	1.5	-0.4	-1.2	-0.7	2.3	
3	-1.2	-0.6	0.6	0.9	0.6	1.2	2.1	3.1	3.2	2.6	2.0	0.5	-0.1	[MT]	[MT]	-2.0	-0.3	1.8	0.5	-5.5	-9.5	-10.6	-12.6	-14.6	-1.7	3.2	
4	-15.4	-15.3	-15.3	-15.7	-15.5	-15.6	-15.3	-14.4	-13.9	-12.8	-11.6	-11.2	-10.2	-9.4	-9.0	-8.3	-8.2	-9.0	-10.1	-10.1	-9.1	-7.8	-7.7	-7.6	-8.9	-7.6	
5	-9.1	-9.3	-9.4	-9.7	-9.3	-9.7	-10.7	-9.2	-8.2	-7.9	-8.6	-9.5	-8.8	-8.3	-8.3	-8.3	-5.5	-5.7	-6.3	-6.5	-6.5	-6.2	-5.6	-5.6	-6.2	-4.7	
6	-7.3	-7.4	-7.5	-7.6	-7.3	-7.4	-7.4	-6.6	-5.4	-5.4	-4.3	-4.7	-4.3	-4.9	-5.7	-5.5	-0.3	-1.6	-2.0	-2.0	-2.0	-2.1	-2.3	-2.1	-2.3	-0.2	
7	-5.5	-5.1	-4.9	-5.0	-4.8	-5.0	-5.0	-4.5	-2.4	-2.1	-1.9	-2.1	-1.3	-0.2	-0.7	-0.7	-0.4	-0.5	-0.6	-1.7	-1.3	-1.9	-1.9	-1.9	-0.3	1.4	
8	-1.9	-1.9	-1.9	-1.9	-1.3	-1.9	-1.9	-1.1	0.2	0.5	1.1	0.3	1.1	0.7	0.1	0.3	0.1	0.4	-0.4	-1.3	-1.5	-1.7	-1.9	-1.9	-1.9	-0.3	1.4
9	-2.0	-1.7	-1.9	-2.0	-1.9	-1.9	-2.0	-1.3	0.1	0.4	0.9	1.2	1.4	1.3	0.7	0.1	-0.4	-0.6	-1.1	-0.9	-0.8	-0.9	-0.9	-1.1	-0.9	1.0	
10	-2.0	-2.0	-2.0	-2.1	-2.2	-2.1	-2.1	-1.5	-0.2	0.7	1.0	0.4	0.5	0.3	1.9	1.5	-0.3	-0.4	-0.7	-0.3	-1.0	-1.0	-1.1	-1.1	-1.4	-0.3	1.0
11	-1.2	-0.9	-1.3	-1.4	-1.5	-1.9	-2.2	-1.5	-0.2	1.3	2.5	2.3	2.3	2.4	2.4	2.5	-2.6	-2.3	-3.4	-4.1	-4.1	-4.7	-4.3	-3.7	-3.1	-1.6	
12	-1.5	-1.5	-2.0	-2.3	-2.9	-2.8	-3.1	-3.6	-2.2	0.3	2.5	2.3	2.3	2.5	2.4	-0.6	-5.3	-6.4	-7.5	-9.1	-9.7	-9.7	-8.3	-7.7	-5.1	-2.3	
13	-2.9	-2.9	-2.3	-3.0	-3.0	-3.1	-2.9	-2.0	-0.2	4.4	-4.7	-5.0	-5.4	-5.1	-4.1	-3.3	-3.7	-3.3	-3.9	-4.5	-4.7	-4.4	-4.7	-4.3	-4.5	-5.4	-3.7
14	-3.5	-3.0	-7.7	-7.6	-5.6	-7.0	-7.7	-6.2	-4.4	-0.9	-0.9	-0.5	-0.5	-0.7	-0.5	-0.3	-1.6	-2.7	-3.3	-3.5	-3.5	-4.1	-3.5	-3.0	-2.1	-0.5	
15	-4.0	-2.3	-2.3	-0.9	-0.4	-0.6	0.1	0.6	1.9	2.6	1.3	0.6	0.3	0.3	0.2	0.4	-1.3	-1.7	-2.3	-2.6	-2.3	-2.4	-2.6	-2.6	-2.6	-1.9	1.3
16	-1.4	-0.3	-0.3	-0.9	-0.4	-0.6	0.1	0.6	1.3	[MT]	0.5	-0.1	-0.1	-0.7	-1.3	-1.5	-3.1	-3.1	-3.6	-4.3	-4.7	-4.5	-4.9	-5.0	-5.1	-2.9	-0.4
17	-2.2	-1.3	-2.0	-1.7	-1.3	-1.4	-1.1	-0.2	1.3	1.1	-0.5	-0.9	-2.3	-2.3	-2.5	-2.1	-3.5	-3.9	-4.3	-4.2	-4.2	-4.5	-4.9	-4.3	-4.1	-3.2	-0.4
18	-2.7	-2.7	-3.0	-2.6	-2.9	-3.0	-2.9	-1.9	-1.1	-0.5	-0.7	-0.3	-0.4	-0.5	-1.2	-2.1	-3.5	-3.9	-4.3	-4.2	-4.2	-4.5	-4.9	-4.3	-4.1	-3.2	-0.4
19	-4.9	-4.4	-4.5	-4.2	-4.1	-3.8	-4.0	-3.2	-2.1	-1.3	-0.4	0.1	0.5	1.6	2.9	3.1	1.3	-0.5	-6.9	-10.4	-11.3	-11.9	-12.7	-13.5	-13.5	3.1	
20	-4.3	-11.2	-11.2	-11.5	-10.4	-10.6	-11.1	-9.3	-3.0	-7.8	-7.3	-7.2	-7.4	-6.3	-7.0	-6.8	-6.5	-7.4	-9.0	-10.1	-10.4	-10.6	-10.7	-10.4	-9.3	-5.5	
21	-12.3	-9.9	-9.5	-10.5	-11.1	-10.2	-10.0	-9.1	-7.1	-6.9	-6.3	-7.2	-6.3	-5.7	-5.6	-5.3	-5.3	-6.6	-8.4	-9.9	-10.1	-10.7	-10.9	-8.9	-8.5	-5.3	
22	-10.3	-7.2	-3.5	-7.5	-7.1	-7.4	-6.5	-5.3	-4.4	-4.0	-4.4	-3.4	-2.6	-2.3	-2.3	[MT]	[MT]	[MT]	[MT]	-4.7	-4.9	-4.8	-4.6	-4.7	-5.3	-2.3	
23	-3.5	-7.2	-3.5	-7.5	-7.1	-7.4	-6.5	-5.3	-4.4	-4.0	-4.4	-3.4	-2.6	-2.3	-2.3	-1.1	-1.3	-2.2	-2.6	-3.3	-4.4	-5.1	-5.6	-5.6	-5.7	-3.4	-1.1
24	-4.6	-4.4	-4.5	-4.9	-4.3	-4.3	-4.4	-3.4	-2.5	-1.7	-1.2	-1.3	-1.4	-1.2	-1.1	-1.3	-4.4	-4.7	-4.2	-3.6	-2.5	-2.4	-2.8	-2.4	0.1	-3.7	0.1
25	-6.1	-5.9	-5.7	-5.7	-6.1	-5.7	-5.1	-3.9	-2.0	-1.4	-1.9	-2.7	-3.1	-3.3	-3.3	-4.4	-4.7	-4.2	-3.6	-2.5	-2.4	-2.8	-2.4	0.1	-3.7	0.1	
26	0.2	0.0	-0.7	-0.3	-0.3	0.4	1.3	1.9	1.4	1.4	2.0	3.5	4.6	5.5	5.0	3.3	2.5	1.4	1.7	2.6	2.8	2.2	2.3	2.6	2.0	5.5	
27	2.5	2.5	2.2	2.2	2.1	2.0	1.3	3.2	3.4	2.3	3.6	3.4	2.6	2.6	2.2	1.4	0.5	0.2	0.3	0.3	0.2	0.1	1.0	0.8	1.7	3.9	
28	2.6	2.2	2.2	2.1	2.1	2.0	1.3	2.4	3.6	2.6	1.9	1.7	2.2	3.0	3.1	2.7	1.1	1.3	1.1	1.1	1.9	2.9	2.5	1.2	1.7	3.6	
29	0.6	0.5	0.5	0.5	0.7	0.3	1.0	2.7	3.7	3.9	3.3	3.4	2.3	2.6	2.2	0.5	-0.5	-0.4	-1.0	-1.9	-2.9	-2.5	-1.9	-2.0	1.0	3.9	
30	2.6	2.3	1.3	1.0	0.7	-2.3	-2.6	-0.7	0.1	0.7	0.6	-1.1	-1.3	-1.3	-1.2	-1.3	-2.2	-2.7	-3.9	-3.3	-2.2	-2.5	-1.9	-2.0	-2.0	0.7	
31	-2.4	-3.2	-3.0	-3.0	-2.7	-2.3	-2.6	-0.7	0.1	0.7	0.6	-1.1	-1.3	-1.3	-1.2	-1.3	-2.2	-2.7	-3.9	-3.3	-2.2	-2.5	-1.9	-2.0	-2.0	0.7	
AV	-3.7	-3.5	-3.6	-3.6	-3.6	-3.5	-3.4	-2.5	-1.4	-1.2	-1.1	-1.3	-1.3	-1.0	-1.2	-1.6	-2.1	-2.5	-3.2	-3.7	-3.8	-4.0	-3.9	-3.9	-4.3	5.5	
SD	4.4	4.2	4.3	4.3	4.2	4.2	4.4	4.2	4.0	3.9	3.8	3.7	3.6	3.5	3.5	3.2	2.7	2.7	3.1	3.5	3.4	3.0	2.9	3.0	3.1	5.5	

Version: LC:26-NOV-90J

DEWPOINT [62103]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

APR. 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 12/NOV/91 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	-2.1	-1.3	-2.2	-2.4	-2.3	-2.1	-2.4	-0.4	0.6	-0.1	-1.7	-1.7	-1.5	-2.1	-2.4	-2.1	-3.0	-4.4	-5.9	-5.5	-4.3	-3.3	-3.4	-3.5	-2.5	0.6
2	-3.2	-2.9	-3.0	-2.9	-2.5	-3.0	-2.7	-0.4	-0.2	0.1	0.9	1.1	1.6	1.5	0.6	0.4	0.0	-0.7	0.2	0.7	0.2	1.4	2.3	2.1	-0.4	2.3
3	1.0	0.5	0.4	0.1	0.1	0.2	-0.1	1.7	2.5	1.2	1.6	2.1	2.2	1.9	1.7	1.2	0.9	0.2	-0.3	-0.3	-0.5	-0.5	-0.5	-0.2	0.6	2.2
4	0.1	0.2	-0.3	-0.3	-0.3	-0.1	1.7	2.5	2.0	2.7	3.1	3.1	1.9	0.9	-0.5	-1.2	-2.0	-2.9	-4.1	-3.6	-2.7	-2.6	-2.6	-0.4	3.1	
5	-3.4	-3.3	-3.3	-5.6	-4.4	-3.9	-3.8	-2.2	-2.0	-2.7	-2.7	-2.7	-2.2	-1.5	-1.5	-1.1	-1.1	-2.0	-4.1	-3.6	-2.7	-2.6	-2.6	-0.4	3.1	
6	-7.7	-7.2	-7.4	-6.3	-6.9	-6.2	-3.1	-3.7	-2.7	-2.7	-2.7	-2.4	-1.6	-1.0	-0.9	-0.5	-0.5	-1.4	-3.3	-5.3	-6.6	-7.5	-8.2	-3.3	-4.5	-0.6
7	-3.3	-3.5	-7.3	-7.7	-8.0	-7.7	-7.0	-4.7	-4.3	-3.3	-2.7	-2.1	-1.4	-1.0	-0.7	-0.4	-0.5	-1.4	-3.3	-5.3	-6.6	-7.5	-8.2	-3.3	-4.5	-0.6
8	-5.5	-5.7	-5.7	-5.3	-5.7	-5.3	-5.5	-3.0	-2.4	-3.4	-3.0	-2.5	-1.3	-1.0	-0.7	-0.4	-0.5	-1.4	-3.3	-5.3	-6.6	-7.5	-8.2	-3.3	-4.5	-0.6
9	-6.0	-5.3	-5.7	-5.4	-6.3	-6.6	-6.6	-4.3	-3.6	-3.9	-3.3	-3.1	-2.5	-1.7	-1.4	-1.1	-1.2	-2.2	-3.7	-4.3	-4.9	-5.5	-5.5	-5.3	-4.4	-0.2
10	-2.3	-2.1	-2.4	-2.4	-2.4	-2.4	-2.2	0.0	-0.1	-1.1	-1.2	-1.1	-1.5	-1.5	-1.3	-1.7	-2.3	-3.5	-4.7	-4.5	-3.1	-3.1	-2.9	-2.5	-4.5	-1.1
11	-4.2	-4.0	-4.4	-4.7	-4.7	-4.5	-4.2	-2.5	-2.3	-3.4	-3.4	-3.7	-3.5	-2.7	-2.5	-2.9	-2.3	-3.5	-4.7	-4.5	-3.1	-3.1	-2.9	-2.5	-4.5	-1.1
12	3.4	3.3	3.3	3.4	3.5	3.6	3.3	4.3	4.5	4.5	4.9	4.3	3.3	3.4	2.1	2.4	0.7	-0.5	-0.3	4.0	0.3	3.3	3.9	3.5	2.5	0.0
13	1.5	0.9	0.3	0.5	0.4	0.5	1.7	2.2	2.4	2.7	1.3	0.5	-0.5	0.2	1.0	0.4	0.7	-0.5	-0.3	1.7	1.9	1.5	1.6	1.5	2.3	4.9
14	-3.2	-3.4	-3.5	-3.5	-3.5	-3.2	-1.3	-0.3	-0.4	-0.4	-1.0	-1.0	-0.3	-1.0	-1.0	-1.7	-1.7	-1.7	-1.7	-1.3	-2.0	-2.3	-2.3	-2.3	-2.0	2.7
15	-2.4	-2.3	-3.0	-3.0	-2.8	-2.6	-2.2	-0.7	-0.2	0.3	0.4	0.2	0.6	-0.7	-0.7	-0.4	-0.3	-3.2	-3.0	-4.1	-3.5	-3.0	-2.9	-2.0	-1.3	-0.4
16	-6.2	-4.7	-5.3	-5.3	-5.6	-6.0	-4.9	-3.2	-1.2	-0.3	-1.9	-2.5	-2.3	-1.9	-1.3	-1.3	-1.9	-3.5	-4.9	-6.4	-7.0	-7.3	-7.3	-7.5	-3.3	-0.3
17	-4.3	-4.6	-4.7	-4.3	-4.3	-4.3	-4.2	-2.4	-1.3	-0.9	-2.2	-1.3	-1.7	-1.2	-1.0	-0.4	-0.5	-1.4	-2.6	-4.4	-5.0	-5.2	-4.6	-4.3	-3.4	-0.4
18	-1.7	-1.3	-2.0	-2.0	-2.7	-3.2	-0.9	0.2	0.3	0.3	0.7	0.5	0.0	0.5	0.7	0.9	0.9	0.1	-1.4	-2.6	-3.0	-3.1	-3.3	-3.2	-2.1	0.9
19	-2.0	-2.0	-1.3	-1.6	-1.9	-1.3	1.4	0.7	1.4	1.9	1.9	2.2	2.2	2.2	1.9	2.0	1.3	0.3	-0.2	-0.6	-1.4	-1.4	-1.4	-1.3	-0.9	2.2
20	-5.4	-5.4	-5.1	-4.6	-3.7	-4.2	-3.6	-1.9	-1.7	-1.3	-1.4	-1.3	-1.7	-1.4	-2.1	-2.4	-2.7	-3.3	-5.3	-7.0	-7.0	-6.4	-6.3	-6.1	-2.7	1.0
21	-1.1	-0.7	-0.4	0.6	0.4	0.5	1.3	2.3	1.9	2.0	1.3	1.7	1.7	1.4	2.1	3.1	3.1	4.3	5.4	6.0	5.6	5.6	5.6	5.6	0.0	0.0
22	-2.0	-2.0	-1.3	-1.6	-1.9	-1.3	1.4	0.7	1.4	1.9	1.9	2.2	2.2	2.2	1.9	2.0	1.3	0.3	-0.2	-0.6	-1.4	-1.4	-1.4	-1.3	-0.9	2.2
23	-5.4	-5.4	-5.1	-4.6	-3.7	-4.2	-3.6	-1.9	-1.7	-1.3	-1.4	-1.3	-1.7	-1.4	-2.1	-2.4	-2.7	-3.3	-5.3	-7.0	-7.0	-6.4	-6.3	-6.1	-2.7	1.0
24	-1.1	-0.7	-0.4	0.6	0.4	0.5	1.3	2.3	1.9	2.0	1.3	1.7	1.7	1.4	2.1	3.1	3.1	4.3	5.4	6.0	5.6	5.6	5.6	5.6	0.0	0.0
25	-2.1	-1.9	-1.7	-2.5	-3.0	-2.2	-1.1	-0.7	-0.3	-1.2	-2.6	-2.7	-3.3	-4.2	-4.2	-4.0	-2.7	-1.9	-2.5	-2.1	-2.6	-2.9	-2.9	-2.9	-2.3	0.0
26	-2.9	-4.3	-4.7	-4.9	-4.0	-2.8	-1.7	-0.9	-0.3	-1.2	-2.6	-2.7	-3.3	-4.2	-4.2	-4.0	-2.7	-1.9	-2.5	-2.1	-2.6	-2.9	-2.9	-2.9	-2.3	0.0
27	-3.0	-7.9	-7.7	-7.9	-7.9	-7.9	-7.6	-6.2	-5.9	-6.6	-6.0	-7.2	-6.5	-6.1	-6.5	-6.1	-3.1	-3.4	-9.3	-12.2	-11.6	-10.6	-10.3	-11.2	-3.4	-0.7
28	-11.3	-11.5	-11.7	-11.3	-11.5	-11.7	-10.7	-9.3	-8.7	-8.2	-6.4	-6.1	-6.1	-6.0	-6.5	-6.1	-3.1	-3.4	-9.3	-12.2	-11.6	-10.6	-10.3	-11.2	-3.4	-0.7
29	-9.0	-9.0	-8.3	-8.7	-8.7	-8.3	-7.9	-6.3	-6.1	-5.7	-5.7	-5.7	-5.7	-5.7	-5.5	-5.7	-5.9	-6.7	-7.0	-7.2	-7.0	-6.9	-7.3	-7.5	-7.0	-5.5
30	-7.4	-7.4	-7.3	-7.2	-7.0	-7.1	-6.5	-5.2	-3.6	-1.3	-1.4	-1.5	-1.6	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3
31	-3.3	-3.9	-4.0	-4.1	-4.0	-3.5	-1.3	-1.3	-1.3	-1.4	-1.5	-1.6	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3	-0.2
32	-3.3	-3.2	-3.2	-3.2	-3.2	-3.1	-2.9	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
33	-3.4	-3.3	-3.3	-3.4	-3.5	-3.3	-4.3	-4.5	-4.5	-4.9	-4.8	-3.3	-3.3	-3.4	-2.1	-2.4	-1.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
34	-7.4	-7.4	-7.3	-7.2	-7.0	-7.1	-6.5	-5.2	-3.6	-1.3	-1.4	-1.5	-1.6	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3
35	-3.3	-3.9	-4.0	-4.1	-4.0	-3.5	-1.3	-1.3	-1.3	-1.4	-1.5	-1.6	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3	-0.2
36	-3.3	-3.2	-3.2	-3.2	-3.2	-3.1	-2.9	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
37	-3.4	-3.3	-3.3	-3.4	-3.5	-3.3	-4.3	-4.5	-4.5	-4.9	-4.8	-3.3	-3.3	-3.4	-2.1	-2.4	-1.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
38	-7.4	-7.4	-7.3	-7.2	-7.0	-7.1	-6.5	-5.2	-3.6	-1.3	-1.4	-1.5	-1.6	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3
39	-3.3	-3.9	-4.0	-4.1	-4.0	-3.5	-1.3	-1.3	-1.3	-1.4	-1.5	-1.6	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3	-0.2
40	-3.3	-3.2	-3.2	-3.2	-3.2	-3.1	-2.9	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
41	-3.4	-3.3	-3.3	-3.4	-3.5	-3.3	-4.3	-4.5	-4.5	-4.9	-4.8	-3.3	-3.3	-3.4	-2.1	-2.4	-1.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
42	-7.4	-7.4	-7.3	-7.2	-7.0	-7.1	-6.5	-5.2	-3.6	-1.3	-1.4	-1.5	-1.6	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3
43	-3.3	-3.9	-4.0	-4.1	-4.0	-3.5	-1.3	-1.3	-1.3	-1.4	-1.5	-1.6	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3	-0.2
44	-3.3	-3.2	-3.2	-3.2	-3.2	-3.1	-2.9	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
45	-3.4	-3.3	-3.3	-3.4	-3.5	-3.3	-4.3	-4.5	-4.5	-4.9	-4.8	-3.3	-3.3	-3.4	-2.1	-2.4	-1.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
46	-7.4	-7.4	-7.3	-7.2	-7.0	-7.1	-6.5	-5.2	-3.6	-1.3	-1.4	-1.5	-1.6	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3
47	-3.3	-3.9	-4.0	-4.1	-4.0	-3.5	-1.3	-1.3	-1.3	-1.4	-1.5	-1.6	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.4	-0.3	-0.2
48	-3.3	-3.2	-3.2	-3.2	-3.2	-3.1	-2.9	-2.3	-2.3																	

DEWPOINT [62103]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM. TUCSON, AZ

MAY, 1989

AEROVIRONMENT INC.

*
* FINAL DATA
* AS OF 12/NOV/91
*

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	-6.6	-6.6	-6.4	-6.1	-5.9	-5.9	-5.1	-4.0	-3.0	-2.1	-2.4	-2.7	-2.9	-2.7	-2.4	-2.1	-2.4	-2.9	-3.8	-4.1	-4.0	-4.3	-4.6	-4.6	-4.1	-2.1
2	-4.7	-4.8	-4.8	-4.8	-4.7	-3.9	-2.5	-2.5	-2.2	-1.8	-1.8	-2.3	-2.5	-2.4	-1.7	-1.2	-1.4	-1.3	-2.1	-2.5	-3.2	-3.2	-3.0	-3.7	-3.0	-1.2
3	-3.8	-3.7	-4.0	-3.9	-3.9	-4.0	-3.1	-1.8	-1.5	-1.2	-1.2	-0.9	-1.0	-1.0	-0.7	-0.5	-1.0	-1.3	-2.6	-5.2	-5.9	-6.0	-6.3	-2.9	-0.5	
4	-5.9	-5.6	-5.5	-5.4	-5.2	-5.1	-3.8	-2.6	-1.8	-1.2	-1.4	[MT]	-1.2	-0.9	-0.7	-0.4	-0.9	-1.2	-2.6	-4.2	-4.7	-4.8	-5.2	-5.0	-3.3	-0.4
5	-4.5	-4.7	-4.5	-4.9	-4.7	-4.8	-3.3	-2.4	-1.2	-1.2	-1.2	-0.5	-0.4	-0.1	0.9	0.7	0.6	0.3	-1.5	-3.3	-4.5	-4.7	-6.2	-5.0	-2.6	0.9
6	-4.3	-4.3	-4.9	-4.7	-4.4	-4.5	-3.9	-2.8	-1.7	-0.8	0.2	0.5	0.9	1.3	1.7	1.4	1.6	0.1	-1.5	-2.4	-2.9	-3.0	-3.4	-3.5	-1.9	1.7
7	-3.9	-3.8	-3.7	-3.8	-4.0	-4.0	-3.0	-1.5	-1.0	-0.3	0.1	0.7	1.3	1.3	1.9	2.1	1.7	1.4	-0.1	-2.3	-4.0	-4.4	-5.0	-6.1	-1.3	2.6
8	-5.0	-6.3	-6.2	-6.5	-6.7	-6.5	-5.7	-3.5	-2.1	-1.0	-0.1	0.1	0.5	1.3	2.6	2.6	2.3	1.8	-0.3	-2.1	-1.1	-0.9	-0.3	-0.7	-1.3	2.6
9	-0.8	-0.5	-0.8	-0.8	-0.6	-0.4	-0.1	0.9	1.9	2.5	2.4	0.5	0.5	0.4	0.8	1.4	1.6	0.8	-1.6	-3.9	-5.0	-3.4	-2.2	-2.7	-0.4	2.5
10	-2.7	-2.6	-1.2	-1.1	-1.0	-1.8	0.6	1.9	2.0	2.5	3.1	1.9	-0.8	-1.1	-1.1	-1.9	-2.2	-2.0	-0.9	0.7	2.0	3.6	2.2	0.8	0.0	3.6
11	0.4	0.6	0.9	0.9	1.2	0.0	0.3	0.9	2.3	2.3	3.5	3.5	3.5	2.9	-0.9	-3.0	-1.2	-1.0	-2.7	-4.7	-5.0	-3.4	-2.2	-2.7	-0.4	2.5
12	-4.0	-3.8	-3.8	-4.0	-4.1	-3.9	-2.3	-2.2	-2.3	-2.4	-2.7	-2.7	-3.1	-2.9	-2.3	-2.1	-2.4	-3.2	-4.4	-4.1	-2.9	-1.9	-1.3	-2.3	-3.0	-1.8
13	-2.9	-3.2	-2.9	-3.0	-3.1	-2.9	-2.3	-1.1	0.2	-0.7	-1.3	-1.7	-3.1	-4.2	-4.9	-4.3	-5.3	-5.4	-5.0	-4.5	-3.7	-1.9	-2.7	-3.1	-3.1	0.2
14	-3.2	-4.3	-4.5	-4.5	-4.2	-4.2	-4.0	-3.9	-4.0	-3.6	-2.3	-2.8	-3.3	-3.4	-3.2	-3.6	-3.7	-3.2	-1.9	0.6	0.4	-0.9	-1.6	-1.2	-2.9	0.6
15	-0.8	-0.9	-1.4	-1.5	-1.9	-3.3	-5.5	-3.7	-2.3	-1.9	-1.0	-0.5	-0.1	-0.6	-0.6	-0.4	-1.3	-0.9	-1.0	1.4	5.0	4.3	3.6	3.1	-0.5	5.0
16	3.2	3.4	2.9	2.7	2.8	4.5	4.5	4.6	4.5	5.8	5.5	5.9	7.1	4.9	4.6	4.6	5.6	4.2	4.5	5.1	5.1	5.0	4.9	4.7	4.6	7.1
17	4.3	4.0	5.8	5.1	5.5	6.1	6.3	7.1	6.2	5.7	5.7	6.2	6.4	6.4	6.3	5.9	[MT]	[MT]	4.5	3.9	3.7	3.7	3.7	4.3	5.3	7.1
18	4.7	4.3	4.4	4.5	4.4	4.9	5.3	5.9	[CA]	[CA]	4.5	4.5	4.3	[CA]	2.8	2.1	1.6	0.7	0.2	-0.2	-0.2	-0.3	-1.2	-2.0	2.7	5.9
19	-2.3	-1.9	-2.0	-2.2	-2.8	-2.1	-1.2	0.3	-1.7	-3.2	-3.8	-3.9	-3.6	-2.7	-1.9	-1.4	-1.4	-1.5	-2.7	-3.3	-3.7	-3.7	-2.3	-3.7	-2.5	0.3
20	-3.5	-3.5	-3.6	-3.5	-3.3	-3.0	-2.5	-1.4	-1.7	-1.6	-2.1	-2.3	-1.5	-0.8	-0.2	0.4	0.3	0.4	-0.7	-3.1	-4.7	-5.0	-6.3	-6.5	-2.5	0.4
21	-6.1	-5.6	-5.9	-6.3	-6.0	-5.8	-4.2	-3.5	-2.3	-1.4	-1.0	-0.3	0.4	1.2	1.3	2.1	2.0	1.2	-0.8	-2.7	-4.2	-5.0	-6.1	-7.2	-2.1	2.1
22	-2.8	-3.1	-3.5	-3.2	-3.4	-4.4	-4.4	-4.7	-3.2	-1.8	-1.0	-0.6	0.3	0.7	1.7	1.9	2.0	1.6	0.2	-2.3	-4.1	-5.4	-5.9	-7.3	-3.3	2.0
23	-6.3	-7.1	-7.6	-7.6	-8.2	-7.8	-6.8	-5.4	-3.9	-3.1	-2.8	-1.9	-1.1	-0.2	0.4	0.4	0.2	-0.2	-1.3	-3.5	-5.0	-6.4	-7.4	-8.1	-4.4	0.4
24	-7.7	-8.1	-8.3	-8.2	-7.8	-8.9	-6.8	-5.4	-3.9	-3.1	-2.8	-1.9	-1.1	-0.2	0.4	0.4	0.2	-0.2	-1.3	-3.5	-5.0	-6.4	-7.4	-8.1	-4.4	0.4
25	-3.1	-9.0	-9.3	-10.1	-10.5	-10.8	-9.3	-6.9	-5.6	-4.9	-3.0	-2.8	-2.8	-2.1	-1.6	-1.4	-1.4	-1.3	-2.9	-5.2	-6.4	-6.1	-6.5	-7.3	-5.7	-1.4
26	-6.3	-6.3	-6.2	-5.9	-5.8	-5.7	-4.8	-4.0	-4.0	-3.4	-3.3	-2.9	-2.0	-1.2	-0.6	-0.1	0.1	0.1	-0.3	-3.6	-4.7	-5.3	-5.3	-3.8	-3.6	0.1
27	-2.3	-1.4	-1.0	-1.1	-1.5	-1.7	-1.4	-0.3	0.3	1.4	0.4	0.0	0.4	0.7	0.8	0.9	1.1	0.4	1.2	1.1	0.7	1.4	2.8	4.3	4.3	4.3
28	6.5	7.1	7.0	8.1	8.9	9.6	9.9	11.5	11.4	10.6	8.3	8.3	6.3	6.8	5.3	5.9	6.4	6.7	7.2	6.5	7.7	10.8	11.1	11.6	8.3	11.6
29	11.4	11.3	11.2	11.2	11.4	11.6	11.1	10.4	10.2	9.3	7.3	5.6	5.0	3.7	3.9	0.3	-1.9	-2.1	-1.5	-1.1	-2.4	-4.4	-5.3	-5.0	4.6	11.6
30	-3.9	-3.1	-3.2	-4.0	-4.6	-3.7	-0.9	-0.2	1.0	1.3	-0.3	-2.2	-3.1	-2.7	-2.3	-2.1	-2.3	-2.8	-3.9	-5.6	-5.5	-5.1	-5.0	-5.2	-2.9	1.3
31	-5.5	-5.5	-5.2	-5.6	-5.9	-5.1	-4.2	-4.4	-1.8	1.8	1.8	1.0	0.9	-1.0	-1.1	-1.7	-1.5	-1.8	-2.7	-3.8	-4.5	-4.7	-5.3	-5.2	-3.0	1.8
AV	-2.6	-2.6	-2.5	-2.6	-2.6	-2.5	-1.8	-0.7	-0.3	0.1	0.2	0.2	0.2	0.0	0.3	0.2	-0.1	-0.4	-1.0	-2.1	-2.3	-2.3	-2.6	-2.7	-1.2	
SD	4.5	4.5	4.7	4.7	4.9	5.1	4.7	4.4	4.0	3.7	3.3	3.2	3.0	2.7	2.5	2.5	2.5	2.3	2.6	3.1	3.6	4.0	4.2	4.4		
PK	11.4	11.3	11.2	11.2	11.4	11.6	11.1	11.5	11.4	10.6	8.3	8.3	7.1	6.8	6.3	5.9	6.4	6.7	7.2	6.5	7.7	10.8	11.1	11.6		11.6

DEWPOINT [62103]

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

JUN, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 28/DEC/90 *

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	-0.1	-2.4	-2.8	-3.0	-3.2	-4.1	-2.5	-2.0	-2.8	-3.6	-3.3	-2.9	-2.5	-1.9	-1.3	-1.3	-1.4	-1.5	-2.4	-4.7	-6.2	-6.9	-7.6	-6.7	-3.2	-0.1
2	-5.5	-4.9	-3.5	-3.7	-5.3	-5.3	-4.3	-3.3	-3.8	-3.1	-2.9	-2.7	-2.2	-1.6	-0.8	-1.0	-0.9	-1.2	-2.4	-4.8	-6.9	-7.2	-7.2	-7.2	-3.8	-0.3
3	-6.8	-7.4	-8.0	-7.9	-7.7	-7.7	-7.2	-5.5	-2.4	-4.8	-5.1	-4.6	-3.8	-3.2	-2.5	-2.4	-2.3	-2.6	-3.6	-5.4	-6.2	-6.5	-5.0	-3.8	-5.1	-2.3
4	-2.1	-2.3	-1.8	-1.9	-1.8	-1.9	-1.1	-0.9	-1.2	-1.2	-1.0	-1.0	-1.0	-1.2	-1.3	-1.3	-1.1	-1.6	-2.8	-4.5	-5.3	-5.2	-3.5	-1.7	-2.0	-0.9
5	-0.5	-1.9	-2.3	-3.0	-2.0	-1.8	-1.5	0.2	1.3	0.6	-0.2	-1.4	-2.1	-1.5	-0.7	-1.0	-0.7	-1.1	-2.5	-4.5	-5.3	-5.2	-3.5	-1.7	-2.0	-0.9
6	-6.3	-7.4	-6.5	-7.0	-7.6	-7.4	-6.9	-6.0	-6.7	-5.1	-4.6	-4.4	-3.5	-2.6	-1.7	-1.5	-1.1	-1.2	-2.2	-4.5	-6.2	-5.6	-3.0	-6.3	-2.1	1.3
7	-4.3	-5.1	-5.2	-5.5	-5.7	-5.3	-5.0	-4.5	-4.2	-3.5	-3.0	-2.3	-1.7	-1.1	-0.1	0.2	0.7	0.6	-0.5	-2.5	-4.4	-5.6	-4.5	-3.2	-4.7	-1.1
8	-2.9	-2.3	-3.7	-3.7	-3.6	-3.6	-2.4	-1.7	-1.5	-1.6	-1.9	-2.3	-1.9	-1.5	-1.0	-1.2	-1.2	-1.6	-2.3	-4.3	-6.3	-7.9	-6.5	-4.3	-3.1	-1.0
9	-3.6	-3.2	-3.4	-3.4	-5.0	-5.7	-4.4	-1.3	1.5	0.5	-1.7	-1.4	-1.6	-1.7	-1.1	-0.9	-0.5	-0.3	-1.4	-1.2	-0.3	2.2	3.0	6.9	-1.2	6.9
0	3.2	3.2	6.7	4.0	4.4	5.2	5.2	4.6	3.7	0.8	1.2	-0.3	-0.3	-1.2	-0.7	-0.3	-0.4	-0.3	-1.9	-3.3	-3.7	3.6	5.3	5.1	2.2	3.2
1	5.0	4.5	3.3	3.7	3.5	3.3	3.5	4.1	4.4	4.5	3.3	2.5	2.2	0.2	-0.3	-0.2	0.3	0.0	-0.9	-2.9	-4.4	4.9	-1.5	0.3	1.4	5.0
2	1.1	0.7	0.5	0.7	0.3	0.9	1.5	2.0	2.1	1.7	0.6	0.7	2.2	2.2	-0.3	-0.2	-0.7	-0.9	-1.4	-2.2	-2.7	-3.1	-3.1	-3.1	-0.3	2.1
3	-2.7	-2.0	-1.0	-1.0	-1.5	-0.7	-0.1	0.7	1.4	1.3	2.4	2.7	2.6	2.3	1.0	0.9	1.6	1.2	1.0	-0.3	-0.9	-0.9	0.7	1.3	0.6	2.3
4	1.3	1.4	1.5	2.0	1.9	2.0	2.6	2.9	2.6	2.7	3.1	3.3	3.3	3.5	3.6	3.2	3.3	2.2	2.5	1.9	0.5	1.9	2.2	2.1	1.3	2.9
5	5.1	5.1	5.1	5.1	5.0	5.1	5.1	5.2	5.2	4.3	3.5	3.2	3.3	3.5	3.4	2.3	3.1	2.3	2.5	1.5	2.4	3.3	4.9	5.0	2.3	5.0
6	3.3	3.3	3.3	2.9	2.3	2.6	2.9	3.4	3.6	3.6	3.1	3.2	3.3	3.5	3.4	2.3	3.9	3.7	2.3	1.1	0.3	1.2	2.4	2.1	2.9	3.9
7	1.4	1.3	0.3	-0.2	-0.9	-0.5	-0.2	0.4	1.5	1.6	2.5	3.0	3.3	4.5	5.1	5.0	5.0	4.7	3.3	1.3	0.5	-0.7	-1.5	-1.7	1.6	5.1
8	-1.5	-1.7	-1.7	-1.3	-1.6	-1.6	-0.5	0.2	2.0	2.9	3.2	3.3	4.2	4.9	4.7	4.3	4.0	2.9	1.6	0.3	-0.1	-0.9	-0.7	-1.3	1.1	4.9
9	-2.3	-2.7	-2.4	-2.0	-1.1	-1.0	-0.9	-0.4	0.1	1.3	1.3	1.2	1.4	2.2	2.3	2.5	2.3	2.2	2.2	2.3	2.6	3.1	3.6	3.0	0.9	3.6
0	-4.5	-5.6	-6.1	-5.9	-6.6	-6.5	-5.6	-3.1	-2.5	-1.4	-0.9	-0.3	4.7	4.4	4.0	3.3	3.5	2.9	1.7	-0.2	-1.0	-1.5	-2.1	-2.6	3.9	3.1
1	-6.5	-5.9	-5.3	-5.7	-6.3	-6.2	-4.5	-3.9	-2.5	-1.6	-1.0	-0.3	0.3	1.0	1.5	1.5	1.7	1.5	0.5	-1.3	-3.6	-4.2	-5.3	-6.5	-2.6	1.7
2	-3.0	-2.3	-1.4	-0.3	-0.9	-0.6	1.6	2.9	-0.5	0.9	0.9	1.1	1.0	0.3	0.9	0.3	0.9	0.3	-0.3	-2.9	-5.1	-5.0	-4.6	-4.0	-2.3	1.1
3	-0.3	-1.1	-1.4	-1.2	-2.6	-2.7	-2.9	-0.5	-0.7	-0.5	-0.4	-0.3	0.5	1.1	1.6	1.4	1.6	1.2	0.2	-0.3	0.3	0.3	-0.1	-0.5	0.2	2.9
4	-2.3	-2.4	-2.6	-2.5	-2.6	-2.7	-2.2	-1.7	-1.2	-1.2	-0.9	-0.6	0.4	1.5	1.3	1.6	1.3	1.5	0.5	-0.9	-1.0	-1.6	-2.1	-2.3	-0.5	1.6
5	-1.4	-1.5	-1.6	-1.2	-1.1	-0.6	1.9	4.0	3.6	3.2	3.4	2.2	1.2	1.5	2.0	2.5	2.5	2.4	3.2	4.3	6.3	6.2	6.0	6.0	0.3	1.8
6	5.7	5.9	6.1	6.3	7.3	9.7	11.3	13.0	13.1	12.5	11.6	11.0	10.0	8.0	7.0	8.5	13.2	13.9	15.3	11.5	14.4	12.2	13.1	13.1	10.6	15.3
7	11.3	14.1	12.2	11.0	10.4	11.4	11.6	11.0	11.2	10.3	10.5	8.3	3.4	2.7	3.1	3.3	3.3	4.3	4.7	4.8	5.2	5.3	5.2	5.4	7.7	14.1
8	6.3	6.1	6.1	5.9	5.2	5.3	5.6	6.0	5.5	5.7	5.4	4.3	4.1	4.0	4.7	4.3	4.6	4.1	3.0	1.2	0.7	1.2	0.3	0.4	4.2	6.3
9	-0.1	-0.2	-0.3	-0.4	-0.5	-0.3	0.4	1.2	1.4	1.4	1.2	1.1	1.0	1.1	1.4	1.4	1.7	1.4	0.7	-0.3	-1.2	-1.1	-0.5	-0.2	0.4	
0	4.7	4.9	4.7	4.5	4.7	4.9	4.3	4.5	4.4	4.2	4.0	3.6	3.0	2.7	2.5	2.5	3.0	3.1	3.5	3.6	4.7	4.3	4.3	4.3	4.7	
1	11.3	14.1	12.2	11.0	10.4	11.4	11.6	13.0	13.1	12.5	11.6	11.0	10.0	8.0	7.0	8.5	13.2	13.9	15.3	11.5	14.4	12.2	13.1	13.1	13.1	15.3

000 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-90]

 *
 * FINAL DATA
 * AS OF 13/NOV/91
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1
 SITE 31 SAGUARO NM, TUCSON, AZ
 JUL, 1989
 AEROVIRONMENT INC.

DEWPOINT [62103]
 DEGREES CENTIGRADE
 LEVEL HEIGHT : 10 METERS

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	0.3	-0.2	-0.1	-0.5	-0.8	-0.9	0.1	0.6	1.0	1.4	1.9	2.0	2.4	2.7	3.7	3.6	3.9	3.4	2.3	0.9	0.5	1.2	1.3	1.7	1.3	3.9
2	1.9	2.6	3.0	3.1	3.0	3.2	3.6	3.9	4.1	2.8	1.5	1.5	2.3	3.0	3.6	3.5	3.8	3.5	2.5	1.6	1.4	1.1	0.3	0.4	2.6	4.1
3	1.3	0.9	1.3	2.6	1.7	1.3	1.9	2.2	2.5	2.0	2.5	2.3	2.9	3.7	4.4	4.4	4.5	4.3	3.3	1.2	-0.6	-1.9	-2.9	-3.1	1.3	4.5
4	-3.5	-3.5	-3.4	-3.7	-3.6	-3.4	-3.1	-1.7	0.3	1.8	2.8	3.4	4.4	5.2	5.6	5.5	5.1	4.7	3.6	1.7	-0.3	-1.1	-2.0	-1.7	0.5	5.6
5	-0.3	7.0	8.0	7.3	7.2	7.1	7.3	8.6	9.0	8.3	8.5	9.0	8.7	7.9	8.8	7.9	6.3	5.1	4.0	6.5	6.7	5.8	6.1	5.8	7.0	9.0
6	5.4	5.0	6.1	7.3	8.7	8.6	11.0	12.6	11.2	11.2	9.6	9.1	8.7	7.9	7.1	6.3	-0.3	5.9	4.9	7.8	6.7	6.2	6.8	2.8	7.4	12.5
7	1.7	1.7	1.4	2.3	2.2	4.3	11.2	12.0	12.1	10.4	7.9	8.3	7.0	5.6	3.3	3.6	3.4	3.4	2.8	1.4	6.8	4.4	9.9	10.8	5.9	12.1
8	10.8	11.0	11.2	11.2	11.1	11.2	11.4	11.4	10.9	10.3	10.2	10.0	9.6	8.8	8.6	14.7	14.2	14.1	12.5	11.8	11.3	11.0	12.3	13.3	11.4	14.7
9	13.4	12.3	13.6	12.7	13.2	12.0	11.7	12.8	12.0	11.0	10.3	10.3	9.9	9.7	9.8	9.6	10.5	15.6	15.9	15.2	15.1	13.7	14.6	12.5	14.6	16.2
10	12.5	12.8	14.3	14.5	13.3	13.4	13.4	13.2	13.0	13.3	12.9	13.3	14.8	15.0	16.5	14.7	13.2	12.4	13.3	13.9	13.1	13.5	14.6	14.0	13.7	16.5
11	14.1	14.0	14.0	14.5	15.2	15.6	15.7	14.9	14.8	13.6	13.5	12.5	12.5	12.5	12.0	12.0	11.9	12.0	11.5	11.3	11.6	11.7	11.8	12.3	13.1	15.7
12	12.3	11.5	11.6	11.1	11.7	12.2	12.1	12.3	12.1	11.3	10.5	9.1	7.6	5.4	4.5	4.7	4.9	7.5	8.4	7.9	7.4	7.7	8.0	7.9	9.2	12.3
13	8.7	8.3	7.5	7.4	7.0	6.9	8.6	8.1	8.1	7.2	7.3	7.0	6.4	6.6	6.8	6.6	6.4	6.1	6.1	5.9	5.9	6.1	6.0	7.0	7.0	8.7
14	6.4	5.9	5.8	7.0	6.7	7.3	7.6	9.7	9.4	8.7	7.3	6.3	5.9	5.7	6.4	6.3	5.8	5.6	5.5	5.5	5.8	6.9	8.1	11.7	6.9	11.7
15	11.7	12.4	13.8	14.4	14.6	14.8	14.8	14.9	15.3	14.9	14.7	14.5	14.1	13.4	12.7	11.9	11.5	10.7	11.1	11.1	13.0	12.2	11.7	12.0	13.2	15.3
16	12.7	13.4	14.1	15.1	15.3	15.9	15.3	14.0	14.8	17.7	16.9	15.7	16.0	15.5	15.0	13.8	12.2	12.5	13.0	13.3	14.2	14.9	14.3	15.1	14.6	17.7
17	15.2	15.1	14.4	13.9	14.1	13.8	14.9	14.4	13.8	13.4	12.7	13.0	13.3	12.8	13.3	13.3	13.2	12.6	13.6	14.0	14.1	15.0	14.8	14.0	13.9	15.2
18	14.1	13.9	13.7	13.7	13.5	13.4	14.3	13.6	13.1	12.2	11.7	11.5	10.5	10.3	10.4	9.6	9.1	8.7	8.0	8.3	12.4	12.4	11.2	10.7	11.7	14.3
19	10.8	11.5	12.8	12.9	12.6	13.2	12.0	12.1	11.7	11.8	11.1	9.7	9.9	10.3	10.1	10.4	10.7	10.1	11.2	8.9	9.8	9.8	13.5	16.1	11.4	16.1
20	16.0	17.1	14.0	12.4	12.0	11.9	13.5	13.3	12.4	12.2	12.0	11.8	10.9	10.2	[MT]	8.3	7.8	10.5	11.6	12.0	13.0	13.6	16.7	16.8	12.6	17.1
21	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	12.5	14.1	16.2	17.9	15.8	17.0	17.7	18.4	18.4	15.0	18.4
22	19.6	17.5	17.4	17.3	17.3	17.2	17.9	17.9	17.6	17.2	16.5	15.5	15.7	15.6	15.3	14.5	16.0	17.9	17.4	19.1	19.9	19.9	19.2	20.0	17.3	20.0
23	16.7	17.1	17.3	17.3	17.3	17.2	17.9	17.9	17.4	16.6	15.7	15.0	15.4	14.6	13.3	12.5	11.3	11.9	10.6	11.6	12.3	12.7	12.6	12.1	15.0	19.6
24	19.6	19.3	19.1	17.7	17.1	16.6	17.5	18.0	17.4	16.6	15.7	15.0	15.4	13.2	13.0	14.5	15.1	13.2	14.8	15.7	15.6	19.0	19.4	18.9	14.6	19.4
25	12.6	12.8	14.5	14.3	14.1	13.4	14.0	14.4	14.3	13.7	13.5	13.4	13.2	13.4	13.6	13.1	12.2	14.8	15.7	16.4	17.7	16.5	16.1	16.6	17.0	19.8
26	13.2	13.0	13.4	14.3	14.2	13.6	13.7	13.6	13.7	13.5	13.4	13.2	13.4	13.4	13.6	13.1	12.2	14.8	15.7	16.4	17.7	16.5	16.1	16.6	17.0	19.8
27	19.8	19.8	18.9	17.5	18.4	17.9	18.2	18.9	18.0	[MT]	15.1	15.4	16.5	15.4	14.5	14.4	14.1	16.1	17.8	16.4	17.7	16.5	16.1	16.6	17.0	19.8
28	16.6	17.2	17.0	17.1	17.0	16.3	16.1	16.3	16.9	16.0	16.0	15.2	15.1	14.3	13.7	14.1	13.2	12.9	14.9	15.1	15.5	16.0	16.7	17.1	15.7	17.3
29	16.6	17.0	16.4	16.8	17.0	16.4	17.3	16.6	16.0	15.6	15.4	15.4	15.1	14.1	14.1	14.2	13.9	13.9	14.8	15.9	15.9	15.9	16.0	16.9	15.7	17.3
30	16.9	16.6	16.5	16.3	16.3	16.4	16.8	16.9	16.6	16.3	16.4	16.1	15.8	15.3	14.9	15.4	16.2	15.6	15.7	15.9	16.2	16.9	17.6	17.2	16.3	17.6
31	17.4	17.4	17.1	17.2	16.7	16.7	17.3	17.1	16.5	15.4	14.6	14.3	14.5	14.4	13.8	13.1	13.1	13.4	12.4	13.6	13.6	13.1	13.6	13.3	15.0	17.4
AV	11.2	11.3	11.5	11.5	11.5	11.4	12.2	12.3	12.2	11.6	11.3	11.0	10.9	10.6	10.5	10.4	10.0	10.6	10.7	10.6	11.1	11.0	11.5	11.6	11.2	
SD	6.6	6.3	6.1	5.9	5.9	5.9	5.5	5.2	4.8	4.7	4.5	4.4	4.4	4.2	4.1	4.0	4.4	4.4	5.0	5.4	5.7	5.9	6.0	6.2	20.0	
PK	19.8	19.8	19.1	17.7	18.4	17.9	18.2	18.9	18.0	17.7	16.9	16.1	16.5	15.5	15.4	15.4	16.2	17.9	17.9	19.1	19.9	19.9	19.3	20.0		

Version: LC:26-NOV-901

 *
 * FINAL DATA *
 * AS OF 26/JUL/90 *
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NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

DEWPOINT 621031

DEGREES CENTIGRADE

LEVEL HEIGHT : 10 METERS

SITE 31 SAGUARO NM, TUCSON, AZ

SEP, 1999

AEROVIRONMENT INC.

CLOCK HOUR [LOCAL STANDARD TIME]

CLOCK HOUR	LOCAL STANDARD TIME	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
1	10.0	9.3	9.7	9.7	9.9	10.3	10.4	11.0	11.6	11.6	11.5	11.0	10.6	10.7	10.7	10.7	10.5	10.2	10.0	10.0	10.6	12.2	13.2	14.2	10.9	14.2		
2	14.2	15.0	14.9	14.6	15.1	15.6	15.5	15.9	16.5	16.6	16.7	16.4	16.4	16.2	16.4	16.7	16.4	16.3	16.4	16.7	16.3	16.5	16.3	16.2	16.0	16.3		
3	16.1	15.9	15.7	15.3	15.6	15.9	15.9	16.7	17.0	17.2	17.0	17.0	16.2	15.3	16.2	16.1	15.6	16.5	15.5	17.1	17.4	16.2	17.6	15.2	16.3	17.6		
4	16.3	16.5	15.2	13.3	13.6	13.5	14.0	15.5	15.7	15.1	15.4	15.7	15.4	14.7	14.3	13.9	12.6	10.5	10.3	10.5	10.3	10.5	10.3	13.5	12.3	14.0	16.8	
5	11.4	11.2	11.0	11.1	13.1	11.2	10.8	12.7	12.2	12.7	12.2	12.0	11.6	10.9	10.5	10.2	9.4	10.3	11.1	10.7	11.7	12.5	13.0	12.9	11.5	13.1		
6	13.2	12.9	12.8	13.3	13.6	13.4	13.9	14.7	15.2	14.7	14.1	14.0	13.3	11.1	9.4	8.7	9.3	9.3	11.3	12.0	11.5	11.5	12.6	12.1	12.4	15.2		
7	11.8	11.9	12.0	12.1	11.9	12.3	12.5	13.6	14.1	14.1	13.6	11.9	10.8	10.2	9.7	9.7	9.7	8.9	7.9	9.4	9.4	9.7	9.8	8.3	11.1	14.1		
8	8.6	9.4	10.2	10.5	10.4	10.1	9.9	11.0	10.6	10.0	8.8	8.2	8.1	7.9	7.7	6.0	5.6	5.7	5.5	5.1	4.4	3.7	2.4	2.1	7.5	11.0		
9	3.2	3.6	3.2	1.9	1.6	1.3	1.4	3.1	3.0	3.0	2.1	2.1	2.6	3.0	3.9	3.6	1.5	1.8	2.4	2.6	2.7	3.7	3.1	3.3	2.5	3.7		
10	3.7	3.8	3.5	3.6	3.9	3.4	3.5	4.4	4.5	5.9	5.1	4.1	3.5	3.8	3.6	3.5	3.7	6.8	7.0	5.9	5.4	6.1	7.2	6.9	4.9	7.2		
11	6.2	6.8	7.4	7.1	6.7	6.4	6.8	8.0	8.5	11.2	14.2	14.2	13.0	12.7	13.4	12.7	10.8	11.2	15.3	14.9	13.3	13.3	13.0	10.6	10.7	15.3		
12	6.1	6.9	7.5	10.8	11.5	12.1	10.5	10.2	8.5	10.9	10.8	11.9	11.8	11.2	9.8	7.6	5.1	2.9	3.6	3.9	4.1	4.0	3.9	3.4	8.0	12.1		
13	3.1	3.0	3.0	3.0	3.2	3.8	4.8	6.1	6.9	5.5	4.1	3.4	3.1	MT	1.9	1.7	1.7	0.2	-1.5	-1.9	-2.1	-2.2	-1.8	-1.6	2.1	6.9		
14	3.3	3.0	3.0	3.0	2.2	2.0	2.4	3.2	3.2	1.9	1.4	2.6	2.7	2.9	2.7	2.9	2.7	4.8	4.8	4.8	4.3	5.2	1.9	2.0	6.0	10.3		
15	0.2	3.0	2.3	2.4	8.2	2.0	2.4	9.1	9.6	10.3	10.1	8.8	6.2	5.5	5.5	5.5	5.5	5.2	2.0	2.6	2.4	4.3	5.2	3.7	2.7	5.2		
16	2.9	7.2	10.4	13.7	14.8	14.3	14.2	14.8	15.0	15.4	15.2	14.7	14.1	12.8	11.4	10.9	10.1	9.9	10.3	10.1	11.8	12.8	12.7	13.1	12.4	15.4		
17	6.9	13.3	13.5	13.7	13.6	13.5	13.2	11.3	11.1	9.7	4.9	3.9	4.7	4.1	4.4	4.7	4.7	4.1	4.0	4.1	3.3	3.1	3.3	3.2	7.6	13.7		
18	13.2	13.3	4.3	5.0	5.8	5.7	7.2	7.3	11.9	13.0	13.7	13.2	11.9	11.3	10.8	10.2	9.5	8.1	5.2	5.0	6.6	6.4	4.3	3.3	3.2	7.8	13.7	
19	3.3	3.6	4.3	5.0	5.8	5.7	7.2	7.3	11.9	13.0	13.7	13.2	11.9	11.3	10.8	10.2	9.5	8.1	5.2	5.0	6.6	6.4	4.3	3.3	3.2	7.8	13.7	
20	3.4	3.2	3.1	3.1	3.1	2.9	3.2	4.0	4.4	4.6	4.3	4.5	3.4	1.6	-1.5	-2.1	-1.0	-1.1	-1.1	-1.8	-2.1	-2.0	-1.6	-1.5	1.4	4.6		
21	-1.6	-1.5	-1.5	-1.5	-1.6	-1.8	-2.4	-0.9	-0.7	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT		
22	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE		
23	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE		
24	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE		
25	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE		
26	0.6	0.8	1.3	1.7	1.7	1.2	1.1	1.6	2.5	3.1	3.0	2.8	2.8	3.4	3.0	2.8	2.6	1.7	1.3	1.9	1.8	1.4	0.8	0.7	2.0	4.2		
27	-1.1	-1.8	-1.9	-2.6	-3.1	-2.9	-2.2	-1.3	-1.2	-1.1	-0.9	-0.8	-1.2	-0.9	-0.9	-1.0	-1.2	-2.2	-3.7	-3.7	-3.3	-3.5	-3.5	-3.9	-3.1	-0.8		
28	-4.0	-3.9	-3.9	-4.1	-4.3	-4.3	-4.3	-2.6	-2.3	-2.3	-2.7	-2.6	-1.1	-0.5	-0.5	-0.1	-0.2	-1.5	-3.7	-5.8	-4.7	-5.0	-5.5	-6.0	-3.2	-0.1		
29	-6.2	-6.0	-5.8	-6.0	-5.7	-5.8	-5.5	-4.2	-2.8	-2.8	-2.4	-2.0	-1.2	0.0	-0.1	0.1	-0.1	-1.1	-3.2	-3.8	-4.0	-3.9	-4.1	-4.3	-3.4	0.1		
30	-4.4	-4.8	-5.3	-5.7	-5.5	-5.3	-5.3	-3.8	-2.7	-2.0	-1.5	-1.0	-0.4	0.7	0.2	0.1	0.0	-1.1	-2.3	-2.4	-2.3	-2.5	-2.3	-1.8	-2.6	0.7		
AV	5.5	5.6	5.8	6.1	6.3	6.2	6.3	7.1	7.7	8.1	7.7	7.6	7.3	7.3	6.5	6.2	5.9	5.4	5.0	5.0	5.1	5.2	5.3	4.9	5.9			
SD	6.5	6.5	6.4	6.7	6.9	6.8	6.8	6.5	6.4	6.4	6.5	6.3	5.9	5.5	5.5	5.4	5.2	5.5	6.1	6.4	6.4	6.5	6.5	6.9	6.6		17.6	
PK	16.8	16.5	15.7	15.8	15.8	15.6	15.9	16.7	17.0	17.2	17.0	17.0	16.4	16.2	16.4	16.7	16.4	16.5	16.4	17.1	17.4	16.5	17.6	16.2				

Version: LC: 08-DEC-893

RELATIVE HUMIDITY [622013]
PERCENT RELATIVE HUMIDITY

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
SITE 31 SAGUARO NM, TUCSON, AZ
OCT, 1989
AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 19/SEP/90 *

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	18	20	21	22	22	23	23	26	23	19	16	14	14	14	13	12	12	13	15	17	19	20	22	26	19	26
2	27	27	27	26	24	23	21	21	20	26	27	26	24	23	29	28	22	33	34	37	40	32	25	26	19	26
3	38	37	36	36	38	44	42	42	37	30	29	29	27	27	27	28	32	33	34	37	40	32	25	26	19	26
4	42	40	44	45	43	49	53	60	64	73	73	75	84	86	89	89	88	82	82	82	80	85	85	82	35	44
5	34	39	35	33	32	77	86	91	92	39	82	73	64	62	59	[NA]	[NA]	55	53	53	53	53	64	74	89	
6	67	70	63	67	65	69	70	67	59	56	51	46	45	43	37	34	33	35	40	45	43	47	53	52	70	
7	54	43	53	54	53	54	54	53	51	43	43	33	32	29	23	23	23	30	33	33	39	43	43	46	53	
8	45	50	49	46	50	54	51	56	47	40	36	34	32	30	26	23	23	31	34	34	36	39	39	38	40	
9	37	33	35	36	39	34	39	39	43	38	32	22	21	21	20	19	19	22	24	24	23	30	30	36	33	
10	34	31	32	32	33	30	32	35	33	25	23	21	13	17	15	15	15	17	22	22	23	27	26	29	27	
11	26	28	23	30	27	30	31	37	32	31	27	25	22	17	17	17	17	13	13	20	24	27	26	29	27	
12	26	26	23	26	29	30	28	31	27	23	23	20	18	18	15	15	17	13	13	19	25	25	25	26	25	
13	23	33	33	35	33	33	39	40	33	32	24	18	18	19	13	13	13	20	19	19	25	25	26	24	35	
14	35	39	40	41	41	40	39	43	37	35	29	24	18	18	15	15	17	19	19	13	29	30	34	33	25	
15	23	29	30	35	36	35	32	33	30	28	25	22	21	17	17	17	17	19	19	13	29	29	30	32	23	
16	29	23	30	35	40	41	42	40	35	32	27	25	24	24	23	23	24	26	23	29	29	24	26	29	29	
17	35	33	33	40	36	33	40	38	39	43	54	61	61	73	77	64	60	55	64	53	62	55	59	51	73	
18	31	32	32	33	36	33	40	38	39	43	54	61	61	73	77	64	60	55	64	53	62	55	59	51	73	
19	53	50	53	61	59	58	53	62	61	53	50	44	38	39	35	34	35	63	39	33	35	32	79	79	60	
20	72	54	70	67	70	69	65	65	62	57	52	50	47	43	42	42	43	47	52	50	55	62	62	59	57	
21	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	
22	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	
23	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	
24	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	
25	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	
26	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	
27	36	33	34	36	34	39	40	40	37	34	29	27	23	[NA]	22	20	24	23	31	31	31	33	36	36	31	
28	27	26	32	28	30	29	31	31	23	26	22	20	13	15	14	14	15	16	13	24	23	25	27	29	29	
29	25	30	32	30	30	31	31	33	31	23	25	23	22	21	21	21	15	13	22	23	24	26	27	29	29	
30	29	25	27	26	25	30	34	23	25	19	17	15	14	14	14	13	12	15	16	15	15	16	13	17	20	
31	15	15	16	17	20	21	21	22	22	17	16	15	16	16	15	15	16	17	19	20	21	23	23	23	23	
32	33	33	39	39	40	41	41	43	40	37	34	31	29	29	23	26	26	29	33	34	35	37	33	38	35	
33	15	17	16	15	15	16	16	16	15	17	17	17	17	19	19	17	16	17	19	19	13	17	17	16	35	
34	34	39	35	33	32	77	36	91	92	39	32	75	34	36	39	39	33	31	39	33	35	33	35	32	32	

U000 Program: EDMS_MONTHSUM

Version: LC:05-SEP-90

 * FINAL DATA *
 * AS OF 19/SEP/90 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1

SITE 31 SAGUARO NM. TUCSON, AZ

NOV. 1989

AEROVIRONMENT INC.

RELATIVE HUMIDITY [62201]
 PERCENT RELATIVE HUMIDITY

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK
1	22	23	23	25	23	24	26	27	25	22	20	20	19	17	16	15	15	16	18	18	19	21	21	21	21
2	25	26	26	25	23	23	23	26	24	22	20	19	17	17	16	16	17	20	22	22	27	24	28	28	27
3	30	33	30	36	37	39	37	39	32	28	23	20	19	18	20	20	19	20	21	21	20	25	25	25	25
4	25	25	23	28	32	35	30	28	25	25	27	23	23	22	20	25	24	24	23	23	31	31	33	33	33
5	29	30	28	28	28	27	28	28	26	25	27	23	23	27	25	19	20	21	22	20	22	27	25	29	29
6	34	42	40	37	39	42	40	40	37	34	30	26	21	18	19	19	21	23	25	26	30	31	29	27	32
7	30	31	31	32	30	34	31	31	29	30	27	23	21	21	19	20	20	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	36
8	29	31	33	33	32	34	36	33	33	29	27	26	24	23	21	13	20	13	16	17	19	20	20	17	20
9	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	14	12	13	14	11	11	11	11	14	17	19	20	17	23
10	17	20	20	21	21	23	26	28	22	20	16	14	13	13	12	11	11	13	11	14	13	20	19	17	21
11	17	19	21	19	19	19	20	20	17	17	15	14	14	13	12	11	11	13	16	16	13	20	19	17	21
12	20	20	23	23	23	22	21	22	22	24	21	19	17	14	13	13	13	15	13	13	20	22	23	24	20
13	24	24	29	31	32	33	35	33	32	29	24	21	20	19	13	13	17	21	[NA]	22	26	27	26	27	25
14	23	29	30	34	30	33	34	46	35	32	30	27	23	21	20	[NA]	19	21	23	24	19	13	26	29	27
15	23	29	30	32	31	31	32	31	31	27	23	17	13	13	12	11	11	13	13	12	13	12	11	12	20
16	13	13	14	14	13	15	17	15	15	13	13	12	13	13	12	11	11	[NA]	13	13	[NA]	15	15	15	14
17	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	15	13	13	13	14	15	15	16	20	20	20	21	19
18	13	19	21	19	20	22	23	23	22	19	17	15	16	16	15	14	15	13	13	21	22	23	26	29	29
19	13	19	21	23	21	20	20	21	22	22	19	16	17	17	15	15	17	35	33	45	60	32	35	34	42
20	29	30	30	31	32	33	36	36	34	36	37	36	35	35	34	34	33	60	63	62	67	65	65	60	74
21	37	39	38	38	34	34	35	91	38	35	33	32	73	64	53	55	40	45	53	64	66	61	63	67	59
22	60	66	69	69	70	70	70	73	69	60	56	53	48	47	43	41	40	29	28	33	37	41	39	45	37
23	65	46	47	46	48	48	46	40	41	39	37	30	25	25	23	23	26	29	23	31	33	34	35	35	50
24	40	42	43	44	45	45	45	46	44	41	39	36	33	32	31	30	30	33	42	47	50	51	53	55	41
25	55	59	59	59	61	63	63	66	64	54	50	39	39	43	50	49	43	50	53	55	55	57	62	64	55
26	56	71	70	72	73	80	78	74	63	63	56	52	46	39	33	37	37	33	38	40	36	36	37	42	54
27	63	71	70	70	72	80	78	74	63	63	56	52	46	39	33	37	37	33	38	40	36	36	37	42	54
28	42	42	40	40	42	43	39	42	38	34	28	17	15	15	14	14	14	15	16	13	14	15	20	24	26
29	26	23	27	27	28	29	31	30	29	28	26	25	24	24	24	24	26	29	32	35	36	37	36	39	39
30	42	41	42	40	42	43	43	47	44	39	35	32	31	30	29	28	28	28	[NA]	31	33	34	36	43	37
AV	34	35	36	36	37	38	38	39	37	33	31	27	25	24	23	22	23	24	26	28	31	31	33	34	30
SD	13	13	17	17	18	18	18	18	17	16	16	15	12	11	12	11	11	12	13	13	15	16	17	17	17
PK	37	39	38	34	38	34	35	91	38	35	33	32	73	64	53	55	40	45	53	64	66	61	63	67	91

Version: LC:05-SEP-90J

RELATIVE HUMIDITY [622013]
PERCENT RELATIVE HUMIDITY

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
SITE 31 SAGUARO NM, TUCSON, AZ
DEC. 1989
AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 19/SEP/90 *

	CLOCK HOUR LOCAL STANDARD TIME																									
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK
1	39	43	43	43	42	42	42	47	41	36	30	25	20	21	21	23	25	29	26	26	28	28	29	30	32	47
2	30	30	31	32	30	30	32	30	30	28	29	27	26	26	25	23	23	26	27	29	30	30	29	29	32	47
3	30	30	34	37	40	43	44	45	40	37	35	33	32	30	29	29	30	33	33	36	39	40	43	38	36	45
4	41	45	46	48	53	56	54	56	50	43	37	31	27	26	25	25	25	30	33	35	38	39	39	38	39	56
5	28	30	27	26	38	37	43	42	34	28	26	23	21	18	15	14	16	18	19	22	23	23	25	24	27	43
6	26	30	28	30	31	31	27	29	26	26	24	22	21	17	15	15	14	[NA]	20	23	25	28	28	27	25	30
7	21	20	22	22	24	25	23	25	33	25	24	21	19	17	15	13	16	21	17	20	20	20	21	19	23	33
8	20	22	21	21	18	20	22	25	24	22	21	19	17	16	15	12	11	12	12	13	15	17	18	20	20	25
9	21	21	21	23	20	21	21	20	18	17	16	14	13	13	12	12	12	14	15	16	16	19	19	17	21	31
10	16	16	17	19	19	19	20	21	21	20	18	16	16	15	13	12	12	14	15	16	16	19	19	17	21	31
11	18	18	18	18	18	18	18	20	20	18	15	14	14	13	13	12	12	14	15	16	16	19	19	17	21	31
12	18	18	19	20	19	20	21	22	20	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	12	12	14	15	16	16	18	18	16	20	22
13	17	17	19	18	17	18	19	18	18	18	18	14	13	13	12	12	13	14	16	16	17	18	19	18	22	22
14	22	24	29	32	33	36	42	43	38	36	35	33	32	30	29	17	18	20	21	23	22	25	24	25	19	25
15	47	45	47	49	45	49	50	52	49	45	42	40	41	39	39	29	37	39	41	41	34	38	40	43	34	43
16	50	52	56	58	59	64	59	62	60	53	52	52	46	42	38	38	42	45	51	51	43	46	47	47	44	52
17	46	53	50	50	51	52	55	56	51	45	39	37	38	34	33	33	33	38	40	40	50	61	59	52	64	62
18	44	45	43	44	42	40	43	52	43	43	43	38	36	34	35	32	31	34	34	37	45	46	46	48	62	62
19	28	26	25	28	25	28	30	29	26	20	[NA]	28	26	23	20	18	18	22	24	24	27	24	25	40	43	52
20	24	24	23	23	24	23	27	28	20	17	15	13	13	13	13	12	12	13	14	15	18	19	21	23	20	52
21	21	21	21	24	26	27	27	28	26	20	16	14	13	12	12	11	11	16	17	17	18	18	21	23	20	30
22	23	22	24	25	25	23	29	30	29	17	18	16	16	14	14	15	16	21	22	22	22	21	22	23	20	24
23	69	70	68	72	75	76	68	61	64	49	44	42	40	40	40	17	16	17	17	20	20	20	20	20	19	28
24	61	61	60	76	83	84	80	80	73	67	65	71	69	71	72	79	80	49	49	43	53	65	65	67	30	67
25	75	76	82	79	71	73	80	83	75	69	62	57	54	50	46	44	52	79	75	75	75	68	69	62	56	76
26	80	80	80	79	80	78	74	76	70	64	48	39	33	29	25	24	22	59	66	70	75	75	77	73	86	83
27	35	35	36	37	38	38	39	40	37	33	30	28	26	25	24	23	24	31	34	43	42	45	40	48	53	90
28	18	19	19	19	20	20	19	19	18	16	15	15	14	14	13	14	15	28	30	31	31	33	33	34	32	
29	80	82	79	86	86	83	84	83	75	69	65	71	69	71	72	79	80	79	75	75	75	75	78	78	18	86

00 [Program: EDMS_MONTHSUM

Version: LC:05-SEP-90]

 *
 * FINAL DATA *
 * AS OF 12/NOV/91 *
 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

JAN, 1989

AEROENVIRONMENT INC.

SOLAR RADIATION [63301]
 LANGLEYS/MINUTE

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK		
1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.27	0.54	0.76	0.39	0.93	0.88	0.74	0.51	0.25	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.25	0.93	
2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.15	0.16	0.26	0.41	0.39	0.39	0.29	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.41	
3	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.12	0.36	0.64	0.70	0.58	0.70	0.64	0.25	0.14	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.18	0.70	
4	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.15	0.36	0.91	0.87	0.80	0.78	0.38	0.09	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.19	0.91	
5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.23	0.55	0.79	0.90	0.95	0.90	0.76	0.54	0.27	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.25	0.95	
6	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.13	0.37	0.45	0.65	0.77	1.02	0.46	0.53	0.16	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.19	1.02	
7	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.29	0.50	0.74	0.97	0.98	0.93	0.78	0.56	0.27	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.98	
8	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.29	0.57	0.79	0.94	0.98	0.93	0.79	0.56	0.28	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.99	
9	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.29	0.57	0.79	0.94	0.99	0.94	0.79	0.56	0.29	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.98	
10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.29	0.55	0.73	0.93	0.98	0.94	0.79	0.56	0.29	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.97	
11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.28	0.55	0.77	0.92	0.97	0.93	0.78	0.56	0.29	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.66	
12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.14	0.43	0.52	0.45	0.44	0.59	0.56	0.22	0.15	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.23	0.94	
13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.27	0.55	0.78	0.93	0.94	0.80	0.53	0.30	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.27	1.01	
14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.29	0.57	0.80	0.95	1.01	0.96	0.82	0.59	0.32	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.21	0.98	
15	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.29	0.56	0.76	0.96	0.98	0.94	0.80	0.54	0.30	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.27	1.01	
16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.19	0.57	0.80	0.96	1.01	0.96	0.82	0.59	0.34	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.27	1.02	
17	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.29	0.61	0.80	0.96	1.02	1.01	0.67	0.50	0.34	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.21	1.00	
18	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.30	0.35	0.55	0.54	0.66	1.00	0.68	0.49	0.33	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.28	1.03	
19	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.30	0.58	0.82	0.97	1.03	0.99	0.84	0.61	0.34	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.99	
20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.30	0.58	0.82	0.96	0.99	0.88	0.68	0.55	0.34	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.15	0.76	
21	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.30	0.58	0.82	0.96	0.99	0.88	0.68	0.55	0.34	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.27	1.02	
22	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.30	0.58	0.82	0.96	0.99	0.88	0.68	0.55	0.34	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.28	1.04	
23	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.28	0.57	0.85	0.92	1.04	0.98	0.83	0.62	0.34	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.23	0.87	
24	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.15	0.60	0.86	0.93	0.95	0.87	0.85	0.63	0.37	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.26	1.09	
25	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.13	0.50	0.77	0.74	1.09	0.95	0.81	0.74	0.25	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.19	0.87	
26	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.31	0.59	0.83	0.87	0.59	0.51	0.31	0.23	0.08	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.82	
27	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.11	0.23	0.24	0.82	0.30	0.21	0.19	0.22	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.29	1.04	
28	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.31	0.59	0.85	0.95	1.04	1.03	0.88	0.65	0.37	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.29	1.07	
29	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.31	0.60	0.84	1.00	1.07	1.03	0.88	0.66	0.38	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.30	1.10	
30	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.33	0.62	0.86	1.03	1.10	1.05	0.90	0.67	0.39	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.14	0.53	
31	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.13	0.31	0.32	0.41	0.38	0.39	0.53	0.47	0.31	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.23
AV	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.23	0.49	0.67	0.82	0.84	0.84	0.72	0.50	0.27	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.14	0.20	0.20	0.25	0.22	0.16	0.16	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	1.10
PK	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.33	0.62	0.86	1.03	1.10	1.05	0.90	0.74	0.39	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Version: LC:26-NOV-90J

SOLAR RADIATION [63301]
LANGLEYS/MINUTE

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
SITE 31 SAGUARO NM, TUCSON, AZ
FEB, 1989
AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 12/NOV/91 *
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CLOCK HOUR [LOCAL STANDARD TIME]

00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK			
1	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.10	0.28	0.57	0.51	0.47	0.80	0.52	0.25	0.14	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80	
2	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.32	0.61	0.85	1.02	1.06	1.02	0.80	0.58	0.32	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
3	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.34	0.63	0.87	1.04	1.11	1.06	0.93	0.70	0.42	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
4	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.29	0.63	0.87	1.04	1.11	1.06	0.93	0.75	0.31	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
5	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.42	0.58	0.89	1.00	0.83	0.44	0.75	0.41	0.17	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
6	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.30	0.52	0.53	0.95	1.09	0.37	0.93	0.67	0.45	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
7	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.22	0.44	0.77	0.95	0.76	0.33	0.51	0.59	0.32	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
8	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.37	0.57	0.77	0.89	0.81	1.02	0.59	0.43	0.33	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
9	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.15	0.23	0.55	0.96	1.10	1.13	0.75	0.38	0.30	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
10	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.37	0.66	0.96	1.10	1.13	0.75	0.72	0.42	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
11	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.37	0.67	0.91	1.10	1.14	0.98	0.75	0.45	0.15	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
12	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.40	0.70	0.96	1.13	1.19	1.15	1.00	0.77	0.48	0.16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
13	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.39	0.70	0.96	1.13	1.20	1.15	0.97	0.74	0.42	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
14	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.39	0.70	0.96	1.13	1.20	1.15	0.97	0.74	0.42	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
15	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.50	0.60	0.52	1.22	1.04	0.90	0.77	0.75	0.42	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
16	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.45	0.71	0.96	1.13	1.19	1.15	1.01	0.73	0.43	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
17	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.31	0.72	0.96	1.13	1.19	1.15	1.01	0.73	0.43	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
18	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.40	0.71	0.96	1.13	1.20	1.16	0.99	0.73	0.43	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
19	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.43	0.73	0.98	1.16	1.23	1.19	1.05	0.93	0.49	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
20	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.29	0.66	0.96	0.98	0.98	1.17	0.96	0.50	0.25	0.09	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
21	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.40	0.72	0.97	1.14	1.21	1.13	1.04	0.81	0.50	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
22	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.45	0.77	1.02	1.20	1.26	1.21	1.07	0.82	0.52	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
23	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.46	0.77	1.03	1.20	1.27	1.22	1.07	0.81	0.43	0.15	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
24	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.47	0.78	1.04	1.21	1.28	1.24	1.08	0.66	0.44	0.16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
25	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.42	0.83	1.03	1.21	1.28	1.24	1.08	0.66	0.44	0.16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
26	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.41	0.69	1.05	1.24	1.35	1.27	0.99	0.58	0.49	0.15	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
27	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.48	0.79	1.04	1.21	1.26	1.20	1.08	0.83	0.52	0.22	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
28	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.48	0.78	1.03	1.20	1.25	1.22	1.07	0.74	0.51	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
29	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.32	0.21	0.47	1.00	1.09	1.13	1.00	0.79	0.48	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
30	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.37	0.63	0.94	1.03	1.07	1.03	0.92	0.67	0.41	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
31	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.10	0.17	0.24	0.26	0.26	0.18	0.16	0.15	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.80
32	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.50	0.83	1.05	1.24	1.35	1.27	1.08	0.83	0.52	0.22	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
33	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.48	0.78	1.03	1.20	1.25	1.22	1.07	0.74	0.51	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
34	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.32	0.21	0.47	1.00	1.09	1.13	1.00	0.79	0.48	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
35	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.37	0.63	0.94	1.03	1.07	1.03	0.92	0.67	0.41	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
36	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.10	0.17	0.24	0.26	0.26	0.18	0.16	0.15	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.80
37	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.50	0.83	1.05	1.24	1.35	1.27	1.08	0.83	0.52	0.22	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
38	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.48	0.78	1.03	1.20	1.25	1.22	1.07	0.74	0.51	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
39	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.32	0.21	0.47	1.00	1.09	1.13	1.00	0.79	0.48	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
40	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.37	0.63	0.94	1.03	1.07	1.03	0.92	0.67	0.41	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
41	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.10	0.17	0.24	0.26	0.26	0.18	0.16	0.15	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.80
42	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.50	0.83	1.05	1.24	1.35	1.27	1.08	0.83	0.52	0.22	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
43	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.48	0.78	1.03	1.20	1.25	1.22	1.07	0.74	0.51	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
44	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.32	0.21	0.47	1.00	1.09	1.13	1.00	0.79	0.48	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
45	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.37	0.63	0.94	1.03	1.07	1.03	0.92	0.67	0.41	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.80
46	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.10	0.17	0.24	0.26	0.26																

 * FINAL DATA *
 * AS OF 12/NOV/91 *

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
 SITE 31 SAGUARO NM, TUCSON, AZ
 MAR, 1989
 AEROVIRONMENT INC.

SOLAR RADIATION [63301]
 LANGLEYS/MINUTE

CLOCK HOUR [LOCAL STANDARD TIME]

Y	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK		
1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.14	0.49	0.80	1.06	1.23	1.30	1.19	1.07	0.79	0.55	0.22	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.37	1.30	
2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.21	0.39	0.51	0.35	0.34	0.34	0.19	0.14	0.12	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.51	
3	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.50	0.57	1.02	1.02	1.04	[MT]	[MT]	0.10	0.06	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.21	1.04	
4	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.17	0.54	0.86	1.12	1.29	1.35	1.30	1.15	0.99	0.59	0.24	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.40	1.35	
5	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.20	0.44	0.86	1.12	1.29	1.35	1.30	1.14	0.90	0.58	0.25	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.40	1.35	
6	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.17	0.53	0.85	1.10	1.26	1.33	1.28	1.12	0.88	0.57	0.25	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.40	1.33	
7	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.17	0.54	0.85	1.04	1.22	1.34	1.29	1.14	0.90	0.58	0.25	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.39	1.34	
8	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.19	0.55	0.87	1.11	1.28	1.35	1.30	1.14	0.90	0.58	0.25	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.40	1.36	
9	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.19	0.55	0.87	1.12	1.30	1.36	1.30	1.13	0.99	0.57	0.25	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.37	1.31	
10	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.21	0.55	0.86	[MT]	1.31	1.27	1.29	1.14	0.92	0.59	0.25	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.35	1.34	
11	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.21	0.57	0.87	1.14	1.34	1.22	1.08	0.73	0.54	0.42	0.19	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.42	1.37	
12	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.22	0.57	0.91	1.15	1.32	1.37	1.34	1.13	0.97	0.56	0.30	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.36	1.37	
13	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.22	0.56	0.86	1.10	1.31	1.37	1.31	0.92	0.37	0.26	0.16	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.42	1.39	
14	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.23	0.60	0.91	1.17	1.33	1.39	1.34	1.13	0.92	0.61	0.28	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.40	1.33	
15	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.24	0.59	0.90	1.04	1.26	1.33	1.21	1.15	0.92	0.62	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.40	1.31	
16	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.19	0.57	0.89	1.16	1.16	1.31	1.16	1.06	0.96	0.59	0.26	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.40	1.40	
17	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.26	0.62	[MT]	1.16	1.32	1.40	1.35	1.13	0.90	0.68	0.31	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.43	1.40	
18	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.27	0.62	0.93	1.13	1.35	1.40	1.35	1.19	0.95	0.64	0.30	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.43	1.40	
19	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.27	0.63	0.94	1.13	1.35	1.40	1.35	1.19	0.96	0.65	0.28	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.45	1.46	
20	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.28	0.63	0.94	1.13	1.32	1.39	1.33	1.17	0.92	0.61	0.29	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.42	1.43	
21	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	1.00	1.24	1.40	1.46	1.40	1.24	0.99	0.67	0.33	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.43	1.43	
22	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.29	0.70	0.95	1.25	1.25	1.31	1.29	1.17	0.95	0.49	0.28	[MT]	[MT]	[MT]	[MT]	[MT]	[MT]	[MT]	0.45	1.44	
23	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.17	0.65	0.97	1.22	1.33	1.43	1.38	1.22	[MT]	[MT]	[MT]	[MT]	[MT]	[MT]	[MT]	[MT]	[MT]	[MT]	0.45	1.44	
24	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.32	0.67	0.99	1.23	1.39	1.44	1.33	1.19	0.97	0.56	0.32	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.45	1.45	
25	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.34	0.67	0.99	1.25	1.39	1.45	1.39	1.23	0.98	0.62	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.45	1.45	
26	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.05	0.03	0.12	0.23	0.40	0.13	0.13	0.03	0.05	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.26	1.10		
27	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.07	0.03	0.34	0.61	0.63	0.66	0.49	1.10	1.06	0.73	0.30	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.44	1.40	
28	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.35	0.63	0.98	1.21	1.36	1.40	1.35	1.20	0.96	0.65	0.33	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.45	1.41	
29	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.35	0.63	0.98	1.22	1.37	1.41	1.35	1.20	0.95	0.65	0.32	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.46	1.43	
30	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.35	0.63	0.99	1.22	1.37	1.43	1.36	1.21	0.99	0.79	0.33	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.46	1.45	
31	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.37	0.70	1.01	1.25	1.40	1.45	1.39	1.22	0.98	0.66	0.33	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.46	1.45	
AV	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.23	0.55	0.84	1.09	1.23	1.27	1.21	1.07	0.82	0.55	0.25	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.38		
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.16	0.21	0.23	0.27	0.31	0.31	0.27	0.23	0.19	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
PK	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.37	0.70	1.01	1.25	1.40	1.46	1.40	1.24	1.06	0.79	0.33	0.05	0.01	0.01	0.01	0.01	0.01	0.01	1.46		

Version: LC:26-NOV-903

DUUOO [Program: EDMS_MONTHSUM]

SOLAR RADIATION [633017]
 LANGLEYS/MINUTE

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
 SITE 31 SAGUARO NM, TUCSON, AZ
 APR. 1989
 AEROVIRONMENT INC.

 *
 * FINAL DATA
 * AS OF 12/NOV/91
 *

CLOCK HOUR [LOCAL STANDARD TIME]

LOCAL STANDARD TIME																										
CLOCK HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.38	0.71	1.02	1.26	1.40	1.46	1.35	0.99	0.99	0.67	0.33	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.45
2	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.38	0.69	1.00	1.24	1.38	1.43	1.37	1.21	0.98	0.64	0.30	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.45
3	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.39	0.67	1.00	1.24	1.38	1.39	1.32	1.19	0.97	0.66	0.35	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.45
4	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.39	0.72	1.02	1.26	1.41	1.46	1.39	1.24	0.99	0.68	0.35	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.45
5	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.41	0.74	1.05	1.29	1.43	1.48	1.42	1.26	1.01	0.70	0.36	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.46
6	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.42	0.76	1.07	1.30	1.43	1.49	1.43	1.27	1.02	0.70	0.36	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.47
7	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.42	0.76	1.06	1.30	1.44	1.48	1.42	1.25	1.00	0.69	0.37	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.48
8	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.43	0.76	1.07	1.30	1.45	1.49	1.42	1.26	1.01	0.70	0.37	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.48
9	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.43	0.76	1.07	1.31	1.45	1.49	1.43	1.28	1.03	0.71	0.38	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.48
10	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.43	0.76	1.07	1.30	1.44	1.49	1.42	1.26	1.01	0.70	0.37	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.48
11	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.43	0.75	1.07	1.30	1.43	1.45	1.36	1.25	0.96	0.55	0.24	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.48
12	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.45	0.78	1.08	1.31	1.45	1.49	1.41	1.25	1.01	0.59	0.36	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.47
13	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.39	0.43	0.78	1.08	1.31	1.45	1.49	1.41	1.25	1.01	0.59	0.36	0.08	0.01	0.01	0.01	0.01	0.01	0.47
14	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.44	0.76	1.06	1.29	1.43	1.48	1.40	1.24	0.99	0.58	0.35	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.48
15	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.44	0.76	1.06	1.29	1.43	1.48	1.40	1.24	0.99	0.58	0.35	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.48
16	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.45	0.76	1.07	1.30	1.42	1.45	1.20	1.07	0.98	0.58	0.35	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.48
17	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.43	0.76	1.07	1.30	1.44	1.49	1.42	1.26	1.00	0.59	0.36	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.49
18	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.47	0.80	1.11	1.34	1.47	1.52	1.45	1.29	1.04	0.53	0.20	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.48
19	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.47	0.79	1.10	1.33	1.46	1.51	1.44	1.23	1.02	0.71	0.37	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.49
20	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.47	0.79	1.09	1.33	1.42	1.48	1.39	1.13	0.96	0.70	0.36	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.49
21	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.45	0.75	1.09	1.29	1.43	1.48	1.33	1.25	1.01	0.23	0.15	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.48
22	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.46	0.75	1.07	1.29	1.43	1.48	1.32	0.94	0.34	0.57	0.23	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.48
23	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.38	0.68	0.93	1.23	1.46	1.33	0.88	0.60	0.59	0.48	0.33	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.45
24	0.01	0.01	0.01	0.01	0.01	0.01	0.14	0.45	0.75	1.10	0.93	0.66	0.65	0.35	0.73	0.72	0.49	0.23	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.39
25	0.01	0.01	0.01	0.01	0.01	0.01	0.15	0.50	0.83	1.13	1.35	1.43	1.52	1.40	1.29	1.05	0.74	0.37	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.39
26	0.01	0.01	0.01	0.01	0.01	0.01	0.17	0.51	0.84	1.14	1.36	1.48	1.52	1.46	1.30	1.05	0.74	0.40	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.50
27	0.01	0.01	0.01	0.01	0.01	0.01	0.17	0.50	0.85	1.14	1.37	1.50	1.53	1.46	1.29	1.05	0.75	0.41	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.51
28	0.01	0.01	0.01	0.01	0.01	0.01	0.19	0.54	0.87	1.17	1.39	1.52	1.55	1.47	1.33	1.03	0.75	0.41	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.51
29	0.01	0.01	0.01	0.01	0.01	0.01	0.19	0.53	0.87	1.16	1.38	1.52	1.55	1.49	1.32	1.02	0.75	0.41	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.52
30	0.01	0.01	0.01	0.01	0.01	0.01	0.19	0.53	0.86	1.15	1.37	1.51	1.51	1.47	1.31	1.05	0.74	0.41	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.52
31	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.52	0.85	1.15	1.37	1.51	1.52	1.48	1.27	1.05	0.65	0.29	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.51
32	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.45	0.77	1.03	1.30	1.42	1.45	1.37	1.20	0.99	0.65	0.33	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.50
33	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.03	0.05	0.03	0.15	0.16	0.15	0.17	0.09	0.12	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.47
34	0.01	0.01	0.01	0.01	0.01	0.02	0.19	0.54	0.87	1.17	1.39	1.52	1.55	1.49	1.42	1.03	0.76	0.41	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.55

U000 [Program: EDMS_MONTHSUM

1.55

Version: LC:26-NOV-90J

SOLAR RADIATION [633013]

LANGLEYS/MINUTE

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

MAY, 1989

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 12/NOV/91 *

CLOCK HOUR [LOCAL STANDARD TIME]

Y	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
1	0.01	0.01	0.01	0.01	0.01	0.02	0.19	0.51	0.79	1.12	1.32	1.33	1.54	1.42	1.27	1.06	0.71	0.35	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.49	1.54
2	0.01	0.01	0.01	0.01	0.01	0.02	0.20	0.53	0.37	1.16	1.38	1.50	1.52	1.45	1.30	1.05	0.74	0.41	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.51	1.52
3	0.01	0.01	0.01	0.01	0.01	0.02	0.22	0.54	0.31	1.17	1.38	1.51	1.54	1.48	1.32	1.03	0.76	0.44	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.52	1.54
4	0.01	0.01	0.01	0.01	0.01	0.02	0.22	0.56	0.39	1.18	1.33	[MT]	1.56	1.43	1.32	1.03	0.72	0.40	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.43	1.56
5	0.01	0.01	0.01	0.01	0.01	0.02	0.22	0.55	0.38	1.16	1.39	1.51	1.27	1.26	1.43	0.94	0.76	0.41	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.50	1.51
6	0.01	0.01	0.01	0.01	0.01	0.03	0.16	0.43	0.79	1.20	1.35	1.51	1.52	1.48	1.23	0.93	0.81	0.24	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.49	1.52
7	0.01	0.01	0.01	0.01	0.01	0.02	0.22	0.55	0.37	1.16	1.37	1.50	1.53	1.47	1.31	1.06	0.75	0.43	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.52	1.53
8	0.01	0.01	0.01	0.01	0.01	0.02	0.22	0.53	0.36	1.15	1.37	1.49	1.52	1.47	1.30	1.06	0.75	0.40	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.51	1.52
9	0.01	0.01	0.01	0.01	0.01	0.02	0.11	0.31	0.54	0.93	1.05	1.33	1.36	1.10	1.26	1.03	0.72	0.42	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.43	1.36
0	0.01	0.01	0.01	0.01	0.01	0.02	0.25	0.53	0.90	1.13	1.39	1.51	1.56	1.50	1.34	1.10	0.79	0.35	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.53	1.56
1	0.01	0.01	0.01	0.01	0.01	0.03	0.24	0.57	0.90	1.09	1.33	1.38	1.53	1.11	1.32	1.09	0.76	0.43	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.50	1.53
2	0.01	0.01	0.01	0.01	0.01	0.03	0.25	0.53	0.91	1.19	1.41	1.53	1.56	1.50	1.33	1.03	0.77	0.45	0.15	0.01	0.01	0.01	0.01	0.01	0.01	0.53	1.56
3	0.01	0.01	0.01	0.01	0.01	0.03	0.24	0.57	0.90	1.19	1.41	1.53	1.56	1.50	1.34	1.10	0.79	0.46	0.15	0.01	0.01	0.01	0.01	0.01	0.01	0.54	1.56
4	0.01	0.01	0.01	0.01	0.01	0.03	0.25	0.57	0.90	1.19	1.40	1.52	1.55	1.49	1.33	1.09	0.73	0.45	0.15	0.01	0.01	0.01	0.01	0.01	0.01	0.53	1.55
5	0.01	0.01	0.01	0.01	0.01	0.03	0.26	0.59	0.89	0.66	0.68	0.94	1.32	1.10	0.99	0.57	0.36	0.19	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.36	1.32
6	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.27	0.17	0.10	0.36	0.40	1.03	1.50	1.33	0.52	0.22	0.40	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.27	1.50
7	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.35	0.32	1.13	1.37	1.49	1.45	1.43	1.33	1.09	[MT]	[MT]	0.15	0.02	0.01	0.01	0.01	0.01	0.01	0.50	1.49
8	0.01	0.01	0.01	0.01	0.01	0.03	0.26	0.58	[CA]	[CA]	1.39	1.50	1.52	[CA]	1.32	1.10	0.30	0.47	0.17	0.02	0.01	0.01	0.01	0.01	0.01	0.44	1.52
9	0.01	0.01	0.01	0.01	0.01	0.03	0.23	0.61	0.94	1.22	1.43	1.55	1.57	1.52	1.37	1.12	0.32	0.48	0.17	0.02	0.01	0.01	0.01	0.01	0.01	0.55	1.57
0	0.01	0.01	0.01	0.01	0.01	0.03	0.23	0.61	0.94	1.22	1.43	1.55	1.58	1.53	1.33	1.14	0.33	0.49	0.13	0.02	0.01	0.01	0.01	0.01	0.01	0.55	1.58
1	0.01	0.01	0.01	0.01	0.01	0.03	0.24	0.53	0.91	1.21	1.44	1.56	1.58	1.55	1.35	1.14	0.34	0.50	0.13	0.02	0.01	0.01	0.01	0.01	0.55	1.53	
2	0.01	0.01	0.01	0.01	0.01	0.03	0.26	0.60	0.89	1.19	1.41	1.51	1.57	1.45	1.19	1.04	0.73	0.40	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.52	1.57
3	0.01	0.01	0.01	0.01	0.01	0.04	0.30	0.63	0.96	1.24	1.45	1.57	1.59	1.54	1.39	1.15	0.34	0.51	0.17	0.02	0.01	0.01	0.01	0.01	0.01	0.56	1.59
4	0.01	0.01	0.01	0.01	0.01	0.04	0.30	0.62	0.94	1.22	1.42	1.54	1.56	1.51	1.37	1.13	0.34	0.53	0.22	0.02	0.01	0.01	0.01	0.01	0.01	0.56	1.56
5	0.01	0.01	0.01	0.01	0.01	0.04	0.30	0.63	0.96	1.24	1.42	1.56	1.58	1.54	1.39	1.15	0.35	0.51	0.19	0.02	0.01	0.01	0.01	0.01	0.01	0.56	1.58
6	0.01	0.01	0.01	0.01	0.01	0.04	0.30	0.63	0.95	1.23	1.44	1.56	1.53	1.53	1.33	1.14	0.33	0.50	0.19	0.02	0.01	0.01	0.01	0.01	0.01	0.56	1.58
7	0.01	0.01	0.01	0.01	0.01	0.04	0.29	0.62	0.94	1.21	1.42	1.54	1.56	1.50	1.26	1.05	0.31	0.39	0.17	0.02	0.01	0.01	0.01	0.01	0.01	0.54	1.56
8	0.01	0.01	0.01	0.01	0.01	0.04	0.27	0.58	0.90	1.17	1.39	1.50	1.53	1.47	1.33	1.09	0.31	0.44	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.53	1.53
9	0.01	0.01	0.01	0.01	0.01	0.04	0.26	0.57	0.83	1.16	1.37	1.49	1.52	1.49	1.33	1.12	0.33	0.51	0.19	0.02	0.01	0.01	0.01	0.01	0.01	0.54	1.52
0	0.01	0.01	0.01	0.01	0.01	0.04	0.30	0.63	0.95	1.22	1.43	1.55	1.57	1.52	1.37	1.13	0.34	0.52	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.56	1.57
1	0.01	0.01	0.01	0.01	0.01	0.05	0.29	0.62	0.93	1.21	1.41	1.53	1.55	1.51	1.36	1.14	0.34	0.51	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.55	1.55
AVG	0.01	0.01	0.01	0.01	0.01	0.03	0.24	0.55	0.36	1.12	1.33	1.45	1.51	1.45	1.32	1.05	0.76	0.43	0.14	0.01	0.01	0.01	0.01	0.01	0.01	0.51	
ED	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.09	0.15	0.22	0.23	0.23	0.12	0.13	0.03	0.15	0.13	0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.00		
0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.30	0.63	0.96	1.24	1.45	1.57	1.59	1.55	1.43	1.15	0.35	0.53	0.22	0.02	0.01	0.01	0.01	0.01	0.01	1.59	

DU000 [Program: EDMS_MONTHSUM

Version: LC:26-NOV-90J

LANGLEY'S/MINUTE

SITE 31
JUN, 1989

**FINAL DATA
AS OF 28/DEC/90**

Y	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK		
CLOCK HOUR (LOCAL STANDARD TIME)																												
1	0.01	0.01	0.01	0.01	0.01	0.05	0.29	0.62	0.93	1.21	1.42	1.53	1.55	1.38	1.24	0.93	0.72	0.52	0.22	0.02	0.01	0.01	0.01	0.01	0.01	0.53	1.55	
2	0.01	0.01	0.01	0.01	0.01	0.05	0.30	0.62	0.94	1.22	1.42	1.54	1.56	1.47	1.34	1.11	0.36	0.53	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.55	1.56	
3	0.01	0.01	0.01	0.01	0.01	0.05	0.30	0.62	0.94	1.23	1.44	1.54	1.56	1.50	1.35	1.13	0.32	0.50	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.55	1.56	
4	0.01	0.01	0.01	0.01	0.01	0.05	0.29	0.60	0.92	1.18	1.37	1.49	1.51	1.48	1.35	1.12	0.33	0.51	0.13	0.02	0.01	0.01	0.01	0.01	0.01	0.54	1.51	
5	0.01	0.01	0.01	0.01	0.01	0.05	0.20	0.59	0.93	1.22	1.49	1.51	1.57	1.43	1.32	1.07	0.37	0.55	0.17	0.02	0.01	0.01	0.01	0.01	0.01	0.54	1.51	
6	0.01	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.93	1.24	1.45	1.56	1.58	1.53	1.39	1.16	0.37	0.54	0.23	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.51	
7	0.01	0.01	0.01	0.01	0.01	0.05	0.30	0.63	0.95	1.23	1.44	1.55	1.58	1.53	1.39	1.14	0.35	0.52	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.57	
8	0.01	0.01	0.01	0.01	0.01	0.05	0.30	0.62	0.94	1.22	1.43	1.55	1.57	1.51	1.37	1.15	0.36	0.53	0.22	0.02	0.01	0.01	0.01	0.01	0.01	0.54	1.57	
9	0.01	0.01	0.01	0.01	0.01	0.05	0.29	0.61	0.94	1.21	1.42	1.53	1.55	1.51	1.37	1.14	0.35	0.53	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.56	1.57	
10	0.01	0.01	0.01	0.01	0.01	0.05	0.28	0.59	0.91	1.19	1.40	1.52	1.56	1.52	1.38	1.15	0.35	0.53	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.56	1.55	
11	0.01	0.01	0.01	0.01	0.01	0.05	0.29	0.61	0.93	1.21	1.41	1.53	1.55	1.51	1.39	1.14	0.35	0.53	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.56	1.55	
12	0.01	0.01	0.01	0.01	0.01	0.05	0.27	0.58	0.90	1.17	1.37	1.49	1.49	1.47	1.35	1.06	0.34	0.53	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.56	1.55	
13	0.01	0.01	0.01	0.01	0.01	0.05	0.27	0.57	0.89	1.16	1.38	1.48	1.50	1.46	1.33	1.11	0.32	0.51	0.21	0.03	0.01	0.01	0.01	0.01	0.01	0.53	1.49	
14	0.01	0.01	0.01	0.01	0.01	0.05	0.27	0.56	0.89	1.15	1.34	1.50	1.49	1.47	1.35	1.12	0.33	0.51	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.50	
15	0.01	0.01	0.01	0.01	0.01	0.05	0.28	0.60	0.90	1.17	1.36	1.51	1.53	1.49	1.35	1.13	0.34	0.52	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.50	
16	0.01	0.01	0.01	0.01	0.01	0.05	0.29	0.56	0.91	1.01	1.39	1.51	1.53	1.50	1.36	1.13	0.34	0.53	0.21	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.53	
17	0.01	0.01	0.01	0.01	0.01	0.05	0.13	0.25	0.52	0.63	1.00	1.51	1.24	1.52	1.34	1.10	0.76	0.39	0.13	0.02	0.01	0.01	0.01	0.01	0.01	0.55	1.53	
18	0.01	0.01	0.01	0.01	0.01	0.04	0.24	0.55	0.87	1.16	1.35	1.47	1.49	1.45	1.31	0.43	0.27	0.22	0.11	0.02	0.01	0.01	0.01	0.01	0.01	0.51	1.52	
19	0.01	0.01	0.01	0.01	0.01	0.05	0.27	0.61	0.91	1.21	1.40	1.51	1.54	1.52	1.39	1.05	0.82	0.50	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.26	1.00	
20	0.01	0.01	0.01	0.01	0.01	0.04	0.28	0.60	0.92	1.17	1.39	1.51	1.53	1.49	1.36	1.14	0.85	0.55	0.25	0.03	0.01	0.01	0.01	0.01	0.01	0.53	1.49	
21	0.01	0.01	0.01	0.01	0.01	0.04	0.27	0.58	0.90	1.18	1.39	1.51	1.54	1.49	1.36	1.14	0.85	0.52	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.56	1.54	
22	0.01	0.01	0.01	0.01	0.01	0.04	0.27	0.58	0.89	1.17	1.37	1.49	1.53	1.49	1.36	1.13	0.84	0.53	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.55	1.53	
23	0.01	0.01	0.01	0.01	0.01	0.04	0.25	0.52	0.71	0.83	1.49	1.51	1.48	1.34	1.12	0.84	0.52	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.55	1.54	
24	0.01	0.01	0.01	0.01	0.01	0.03	0.17	0.41	0.85	1.12	1.33	0.90	0.98	0.89	1.17	0.72	0.34	0.52	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.53	
25	0.01	0.01	0.01	0.01	0.01	0.04	0.26	0.57	0.88	1.16	1.37	1.45	1.48	1.44	1.33	0.98	0.70	0.39	0.10	0.02	0.01	0.01	0.01	0.01	0.01	0.54	1.51	
26	0.01	0.01	0.01	0.01	0.01	0.03	0.25	0.56	0.88	1.16	1.37	1.51	1.55	1.51	1.36	1.13	0.84	0.46	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.37	1.17	
27	0.01	0.01	0.01	0.01	0.01	0.03	0.25	0.56	0.88	1.16	1.36	1.49	1.51	1.48	1.36	1.14	0.85	0.54	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.45	1.48	
28	0.01	0.01	0.01	0.01	0.01	0.04	0.27	0.57	0.89	1.15	1.35	1.46	1.48	1.45	1.31	1.07	0.78	0.48	0.20	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.51	
29	0.00	0.00	0.00	0.00	0.01	0.04	0.07	0.08	0.13	0.16	0.21	0.19	0.17	0.17	0.16	0.18	0.11	0.05	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.51		
30	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
31	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
32	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
33	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
34	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
35	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
36	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
37	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
38	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
39	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
40	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
41	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
42	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
43	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
44	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
45	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
47	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1.24	1.45	1.56	1.58	1.53	1.39	1.17	0.87	0.55	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	0.01	0.01	0.01	0.01	0.05	0.31	0.64	0.95	1																			

Version: LG: 26-NOV-90

SOLAR RADIATION [63301]

LANGLEYS/MINUTE

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

JUL, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 13/NOV/91 *

CLOCK HOUR [LOCAL STANDARD TIME]

00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
1	0.01	0.01	0.01	0.01	0.04	0.26	0.57	0.89	1.17	1.38	1.51	1.52	1.48	1.36	1.14	0.85	0.54	0.24	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.52
2	0.01	0.01	0.01	0.01	0.04	0.27	0.58	0.84	1.15	1.36	1.49	1.52	1.49	1.35	1.13	0.84	0.53	0.23	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.52
3	0.01	0.01	0.01	0.01	0.04	0.22	0.56	0.88	1.14	1.38	1.51	1.52	1.49	1.37	1.15	0.86	0.55	0.24	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.52
4	0.01	0.01	0.01	0.01	0.04	0.25	0.56	0.87	1.15	1.37	1.50	1.52	1.49	1.35	1.13	0.85	0.54	0.23	0.03	0.01	0.01	0.01	0.01	0.01	0.54	1.52
5	0.01	0.01	0.01	0.01	0.04	0.23	0.52	0.83	1.11	1.33	1.45	1.49	1.46	1.31	1.11	0.83	0.52	0.24	0.03	0.01	0.01	0.01	0.01	0.01	0.52	1.49
6	0.01	0.01	0.01	0.01	0.05	0.25	0.53	0.80	1.16	1.31	1.40	1.46	1.41	0.91	0.51	0.50	0.29	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.44	1.46
7	0.01	0.01	0.01	0.01	0.03	0.24	0.54	0.86	1.14	1.33	1.45	1.13	0.82	0.86	0.77	0.54	0.42	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.44	1.45
8	0.01	0.01	0.01	0.01	0.04	0.25	0.50	0.81	1.02	1.29	1.09	1.37	0.46	0.50	0.03	0.13	0.11	0.07	0.02	0.01	0.01	0.01	0.01	0.01	0.33	1.37
9	0.01	0.01	0.01	0.01	0.03	0.21	0.51	0.82	1.11	1.31	1.44	1.47	1.44	1.37	0.93	0.23	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.46	1.47
10	0.01	0.01	0.01	0.01	0.03	0.21	0.50	0.74	1.03	1.36	0.56	0.12	0.13	0.48	0.82	0.69	0.46	0.16	0.02	0.01	0.01	0.01	0.01	0.01	0.31	1.36
11	0.01	0.01	0.01	0.01	0.03	0.19	0.40	0.55	1.15	1.03	1.28	1.48	1.17	1.25	1.11	0.69	0.56	0.29	0.03	0.01	0.01	0.01	0.01	0.01	0.47	1.48
12	0.01	0.01	0.01	0.01	0.03	0.22	0.53	0.85	1.13	1.35	1.48	1.52	1.50	1.35	1.13	0.84	0.51	0.21	0.03	0.01	0.01	0.01	0.01	0.01	0.53	1.52
13	0.01	0.01	0.01	0.01	0.03	0.23	0.53	0.83	1.13	1.34	1.47	1.51	1.47	1.36	1.16	0.85	0.54	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.53	1.51
14	0.01	0.01	0.01	0.01	0.02	0.10	0.27	0.85	1.14	1.30	1.46	1.49	1.46	1.29	1.03	0.83	0.50	0.21	0.03	0.01	0.01	0.01	0.01	0.01	0.50	1.49
15	0.01	0.01	0.01	0.01	0.02	0.11	0.47	0.82	1.06	0.86	0.59	0.55	0.49	0.73	0.77	0.75	0.51	0.21	0.03	0.01	0.01	0.01	0.01	0.01	0.34	1.06
16	0.01	0.01	0.01	0.01	0.02	0.08	0.09	0.03	0.08	0.44	0.53	0.90	1.18	1.17	1.10	0.84	0.49	0.20	0.03	0.01	0.01	0.01	0.01	0.01	0.30	1.18
17	0.01	0.01	0.01	0.01	0.03	0.25	0.57	0.74	1.12	1.37	1.39	1.52	1.51	0.74	0.78	0.58	0.30	0.06	0.02	0.01	0.01	0.01	0.01	0.01	0.46	1.52
18	0.01	0.01	0.01	0.01	0.03	0.28	0.52	0.78	1.02	1.35	1.49	1.48	1.46	1.32	1.10	0.82	0.50	0.19	0.02	0.01	0.01	0.01	0.01	0.01	0.52	1.49
19	0.01	0.01	0.01	0.01	0.02	0.10	0.24	0.56	0.73	1.13	1.28	0.85	1.32	1.33	1.13	0.86	0.55	0.22	0.03	0.01	0.01	0.01	0.01	0.01	0.44	1.33
20	0.01	0.01	0.01	0.01	0.02	0.17	0.57	0.68	1.04	1.33	1.45	1.52	1.42	[MT]	1.14	0.74	0.20	0.08	0.02	0.01	0.01	0.01	0.01	0.01	0.46	1.52
21	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	1.08	1.29	1.44	1.48	1.43	1.33	1.10	0.84	0.38	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.70	1.48
22	0.01	0.01	0.01	0.01	0.02	0.22	0.51	0.51	0.62	1.22	1.43	1.47	1.43	1.26	0.96	0.79	0.49	0.16	0.03	0.01	0.01	0.01	0.01	0.01	0.47	1.47
23	0.01	0.01	0.01	0.01	0.02	0.19	0.44	0.74	1.12	1.36	1.09	1.25	0.99	1.06	0.59	0.30	0.16	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.40	1.36
24	0.01	0.01	0.01	0.01	0.02	0.16	0.45	0.75	1.07	1.28	1.41	1.45	1.39	1.30	1.07	0.86	0.46	0.16	0.02	0.01	0.01	0.01	0.01	0.01	0.50	1.45
25	0.01	0.01	0.01	0.01	0.02	0.17	0.49	0.80	1.08	1.30	1.43	1.50	1.36	0.91	0.93	0.83	0.56	0.17	0.03	0.01	0.01	0.01	0.01	0.01	0.49	1.50
26	0.01	0.01	0.01	0.01	0.02	0.20	0.50	0.81	1.08	1.30	1.40	1.48	0.96	1.34	0.81	0.52	0.16	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.45	1.48
27	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[MT]	0.38	0.62	1.63	1.63	1.51	0.55	1.02	0.94	0.16	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.33	1.63
28	0.01	0.01	0.01	0.01	0.01	0.04	0.12	0.42	1.08	1.32	1.51	1.45	1.45	1.31	1.14	0.84	0.53	0.14	0.02	0.01	0.01	0.01	0.01	0.01	0.48	1.51
29	0.01	0.01	0.01	0.01	0.02	0.21	0.42	0.80	0.92	1.32	1.43	1.52	0.73	0.96	0.84	0.19	0.16	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.40	1.52
30	0.01	0.01	0.01	0.01	0.02	0.18	0.47	0.78	1.07	1.28	1.41	0.49	1.03	0.58	0.31	0.28	0.24	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.33	1.28
31	0.01	0.01	0.01	0.01	0.02	0.10	0.34	0.78	1.07	1.30	1.44	1.48	1.20	0.93	1.05	0.52	0.54	0.18	0.03	0.01	0.01	0.01	0.01	0.01	0.46	1.48
32	0.01	0.01	0.01	0.01	0.03	0.19	0.45	0.72	1.03	1.24	1.29	1.33	1.23	1.11	0.94	0.68	0.40	0.15	0.02	0.01	0.01	0.01	0.01	0.01	0.46	
33	0.00	0.00	0.00	0.00	0.01	0.07	0.13	0.19	0.22	0.25	0.31	0.36	0.36	0.29	0.27	0.23	0.17	0.08	0.01	0.00	0.00	0.00	0.00	0.00		
34	0.01	0.01	0.01	0.01	0.01	0.28	0.58	0.89	1.17	1.43	1.51	1.63	1.51	1.37	1.16	0.94	0.56	0.29	0.03	0.01	0.01	0.01	0.01	0.01	1.63	

SOLAR RADIATION [63301J]
 LANGLEYS/MINUTE

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
 SITE 31 SAGUARO NM, TUCSON, AZ
 AUG. 1997
 AEROVIRONMENT INC.

 *
 * FINAL DATA *
 * AS OF 25/JUL/90 *
 *

CLOCK HOUR [LOCAL STANDARD TIME]

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
1	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.49	0.31	1.09	1.31	1.45	1.36	1.35	1.30	0.36	0.77	0.49	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.49	1.45
2	0.01	0.01	0.01	0.01	0.01	0.02	0.09	0.47	0.73	1.06	1.23	1.42	1.43	1.41	1.34	0.37	0.77	0.49	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.49	1.45
3	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.27	0.71	1.06	1.15	1.30	1.33	0.34	0.15	0.03	0.30	0.22	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.45	1.43
4	0.01	0.01	0.01	0.01	0.01	0.02	0.21	0.49	0.71	0.95	0.74	0.17	0.09	0.10	0.19	0.29	0.23	0.15	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.30	1.33
5	0.01	0.01	0.01	0.01	0.01	0.02	0.11	0.17	0.55	0.81	0.93	1.28	1.24	1.42	1.06	0.82	0.55	0.46	0.17	0.02	0.01	0.01	0.01	0.01	0.01	0.19	0.95
6	0.01	0.01	0.01	0.01	0.01	0.02	0.11	0.26	0.48	0.74	1.33	1.23	1.31	1.40	1.23	1.05	0.77	0.45	0.16	0.01	0.01	0.01	0.01	0.01	0.01	0.40	1.42
7	0.01	0.01	0.01	0.01	0.01	0.02	0.14	0.31	0.59	1.02	0.93	1.39	1.38	0.75	0.75	0.21	0.32	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.45	1.40
8	0.01	0.01	0.01	0.01	0.01	0.02	0.16	0.45	0.74	1.02	1.31	1.46	1.39	1.24	1.06	1.15	0.66	0.29	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.32	1.39
9	0.01	0.01	0.01	0.01	0.01	0.02	0.18	0.44	0.75	1.07	1.29	1.42	1.47	1.42	1.23	1.06	0.61	0.19	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.47	1.46
10	0.01	0.01	0.01	0.01	0.01	0.01	0.17	0.39	0.37	0.62	1.23	1.37	1.42	1.34	1.08	0.17	0.05	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.47	1.47
11	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.44	0.74	1.03	1.24	1.38	1.43	1.33	1.25	1.04	0.47	0.37	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.35	1.42
12	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.34	0.64	0.86	1.16	1.37	1.36	1.39	0.95	0.86	0.76	0.34	0.08	0.02	0.01	0.01	0.01	0.01	0.01	0.47	1.43
13	0.01	0.01	0.01	0.01	0.01	0.01	0.14	0.44	0.76	1.04	1.26	1.39	1.44	1.40	1.27	1.04	0.76	0.42	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.43	1.39
14	0.01	0.01	0.01	0.01	0.01	0.02	0.12	0.41	0.74	1.03	1.26	1.40	1.45	1.45	1.47	0.76	0.32	0.32	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.46	1.44
15	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.44	0.77	1.05	1.26	1.40	1.45	1.44	1.09	0.76	0.32	0.32	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.46	1.47
16	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.43	0.75	1.03	1.25	1.39	1.44	1.40	1.27	1.01	0.34	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.41	1.45
17	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.38	0.70	1.04	1.26	1.39	1.45	1.40	1.04	0.17	0.13	0.15	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.45	1.44
18	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.46	0.73	1.06	1.32	1.40	1.50	1.29	1.10	0.76	0.34	0.12	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.39	1.45
19	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.40	0.75	1.01	1.27	1.41	1.44	1.38	1.26	1.03	0.72	0.34	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.43	1.50
20	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.42	0.74	1.03	1.25	1.39	1.45	1.40	1.30	0.25	0.35	0.42	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.47	1.44
21	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.43	0.75	1.04	1.26	1.41	1.46	1.25	0.74	0.51	0.77	0.46	0.15	0.01	0.01	0.01	0.01	0.01	0.01	0.43	1.45
22	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.44	0.76	1.05	1.27	1.42	1.47	1.45	0.96	0.92	0.72	0.36	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.44	1.46
23	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.44	0.76	1.06	1.28	1.42	1.49	1.42	1.23	1.06	0.74	0.31	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.47	1.47
24	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.45	0.78	1.08	1.30	1.44	1.48	1.42	1.29	1.04	0.73	0.41	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.48	1.49
25	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.46	0.80	1.09	1.32	1.45	1.50	1.44	1.30	1.05	0.74	0.40	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.49	1.48
26	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.43	0.77	1.06	1.32	1.44	1.40	1.38	0.95	0.76	0.79	0.38	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.50	1.50
27	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.43	0.77	1.06	1.29	1.43	1.47	1.42	1.25	0.89	0.48	0.21	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.46	1.44
28	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.28	0.47	1.07	1.27	1.47	1.06	0.57	1.30	1.02	0.70	0.36	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.45	1.47
29	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.41	0.79	1.05	1.26	1.40	1.35	0.62	1.40	1.14	0.16	0.15	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.41	1.47
30	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.42	0.73	1.02	1.09	1.39	1.45	0.92	0.48	0.51	0.47	0.28	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.37	1.40
1	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.41	0.73	1.02	1.25	1.38	1.43	1.37	1.23	0.99	0.68	0.34	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.45
V	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.40	0.71	1.01	1.22	1.36	1.37	1.22	1.06	0.75	0.52	0.29	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.46	1.43
D	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.07	0.11	0.11	0.14	0.23	0.25	0.36	0.34	0.34	0.24	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.43	
K	0.01	0.01	0.01	0.01	0.01	0.02	0.21	0.49	0.81	1.09	1.33	1.47	1.50	1.46	1.47	1.15	0.79	0.49	0.17	0.02	0.01	0.01	0.01	0.01	0.01	0.01	1.50

SOLAR RADIATION [63301]
LANGLEY'S/MINUTE

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
SITE 31 SAGUARO NM, TUCSON, AZ

OCT. 1987

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 27/JUL/90 *

CLOCK HOUR [LOCAL STANDARD TIME]

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK		
1	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.35	0.68	0.97	1.20	1.33	1.35	1.25	1.07	0.80	0.49	0.16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.41	1.35	
2	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.12	0.18	0.18	0.33	0.48	0.33	0.34	0.29	0.16	0.10	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.48	
3	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.22	0.24	0.42	0.42	0.44	0.65	0.56	0.56	0.15	0.09	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.17	0.65	
4	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.05	0.09	0.18	0.27	0.17	0.11	0.12	0.14	0.10	0.14	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.27	
5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.20	0.35	0.53	0.89	1.07	0.60	0.71	INTJ	CRFJ	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.27	
6	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.32	0.64	0.92	1.14	1.29	1.40	1.07	1.03	0.75	0.43	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.21	1.07	
7	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.91	1.14	1.27	1.29	1.20	1.02	0.75	0.43	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.39	1.40	
8	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.91	1.11	1.23	1.29	1.20	1.01	0.74	0.43	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
9	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.92	1.13	1.26	1.29	1.20	1.01	0.74	0.43	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
10	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
11	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
12	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
13	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
14	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
15	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
16	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
17	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
18	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
19	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
20	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
21	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
22	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
23	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
24	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
25	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
26	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
27	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
28	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
29	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
30	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
31	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.93	1.15	1.27	1.30	1.20	1.02	0.74	0.43	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.38	1.29	
AV	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.31	0.63	0.96	1.13	1.09	1.07	0.77	0.58	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.29	1.13	
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.18	0.26	0.31	0.33	0.35	0.34	0.23	0.19	0.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29		
PK	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.35	0.68	0.97	1.20	1.33	1.40	1.25	1.07	0.80	0.49	0.16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.41		
DU000	Program: EDMS MONTHLY																											

DU000 [Program: EDMS_MONTHLHM

1.40

Version: LC:08-DEC-89J

SOLAR RADIATION [633013]

LANGLEYS/MINUTE

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

NOV. 1989

AEROVIRONMENT INC.

FINAL DATA #
AS OF 28/JUL/90 #

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK		
1	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.20	0.50	0.60	1.00	1.00	0.89	0.78	0.57	0.38	0.31	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.27	1.00	
2	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.20	0.52	0.80	1.01	1.14	1.15	1.05	0.85	0.59	0.28	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.32	1.15	
3	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.15	0.52	0.80	1.01	1.13	1.14	1.04	0.85	0.57	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.32	1.14	
4	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.18	0.49	0.76	0.97	1.09	1.11	1.01	0.82	0.56	0.26	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.31	1.11	
5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.50	0.77	0.93	1.10	1.11	1.01	0.82	0.56	0.27	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.31	1.11	
6	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.17	0.41	0.74	0.99	0.99	1.18	0.96	0.82	0.59	0.26	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.30	1.18	
7	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.17	0.49	0.76	0.97	1.10	1.11	1.01	0.82	0.56	0.26	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.31	1.11	
8	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.48	0.76	0.96	1.08	1.09	0.99	0.81	0.56	0.25	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.31	1.11	
9	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.47	0.75	0.96	1.08	1.10	1.01	0.82	0.55	0.25	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.42	1.09	
10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.15	0.47	0.74	0.95	1.07	1.08	0.97	0.80	0.54	0.24	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.30	1.10	
11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.15	0.44	0.41	0.88	0.78	0.62	1.05	0.80	0.54	0.24	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.25	1.05	
12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.14	0.45	0.72	0.92	1.04	1.06	0.97	0.78	0.52	0.23	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.30	1.06	
13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.14	0.40	0.73	0.90	1.00	1.01	0.89	0.64	0.48	0.14	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.30	1.06	
14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.45	0.74	0.95	1.07	1.09	1.00	0.82	0.56	0.25	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.26	1.01	
15	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.46	0.74	0.94	1.10	1.09	1.01	0.69	0.26	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.30	1.10	
16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.43	0.70	0.90	1.02	1.03	0.94	0.75	0.50	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.18	0.69	
17	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.43	0.71	0.91	1.03	1.01	0.91	0.75	0.50	0.15	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.28	1.03	
18	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.28	0.68	0.87	1.02	0.78	0.60	0.43	0.34	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.23	1.02	
19	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.27	0.37	0.32	0.26	0.22	0.74	0.70	0.47	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16	0.74	
20	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.41	0.65	0.88	0.99	1.00	0.92	0.74	0.48	0.17	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.27	1.00	
21	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.35	0.67	0.68	0.82	0.90	0.92	0.83	0.34	0.14	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.24	0.92	
22	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.22	0.65	0.87	1.00	1.01	0.93	0.74	0.49	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.26	1.01	
23	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.39	0.61	0.73	0.99	0.80	0.71	0.77	0.48	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.25	0.99	
24	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.38	0.66	0.84	0.97	0.91	0.80	0.72	0.48	0.18	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.97	
25	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.17	0.59	0.84	0.89	1.02	0.81	0.63	0.26	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.22	1.02	
26	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.42	0.65	0.89	1.02	1.03	0.95	0.77	0.51	0.22	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.28	1.03	
27	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.35	0.36	0.67	1.01	0.96	0.91	0.72	0.47	0.19	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.24	1.01	
28	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.37	0.64	0.85	0.97	0.99	0.91	0.72	0.47	0.19	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.28	0.99	
29	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.41	0.67	0.88	0.99	0.97	0.90	0.75	0.48	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.27		
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.09	0.12	0.14	0.17	0.20	0.14	0.10	0.10	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
31	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.20	0.52	0.80	1.01	1.14	1.18	1.05	0.88	0.59	0.31	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.18	

0000 [Program: EDMS_MONTHSUM]

Version: LC:08-DEC-891

SOLAR RADIATION [633013]

LANGLEYS/MINUTE

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

DEC. 1989

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 30/JUL/90 *

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.33	0.65	0.36	0.93	1.01	0.92	0.74	0.49	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.27	1.01
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.33	0.65	0.35	0.96	0.93	0.91	0.73	0.49	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.27	0.93
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.36	0.63	0.33	0.96	0.93	0.90	0.72	0.43	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.93
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.37	0.64	0.35	0.97	1.00	0.91	0.74	0.49	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.27	1.00
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.36	0.63	0.34	0.96	0.99	0.91	0.73	0.49	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.99
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.35	0.62	0.32	0.95	0.93	0.89	0.72	0.43	0.20	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.93
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.37	0.63	0.34	0.97	0.99	0.91	0.73	0.49	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.28	0.99
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.35	0.62	0.33	0.96	0.93	0.90	0.73	0.49	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.93
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.35	0.62	0.33	0.95	0.93	0.90	0.73	0.49	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.93
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.33	0.62	0.30	0.93	0.96	0.90	0.75	0.43	0.12	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.25	0.90
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.35	0.63	0.33	0.96	0.93	0.91	0.75	0.51	0.22	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.26	0.93
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.35	0.63	0.34	0.97	0.99	0.92	0.75	0.50	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.27	0.99
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.33	0.55	0.30	0.93	0.92	0.70	0.55	0.51	0.21	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.24	0.92
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.23	0.61	0.65	0.36	0.76	0.35	0.56	0.31	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.41
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.10	0.19	0.25	0.37	0.34	0.39	0.21	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.30	0.57	0.73	0.91	0.95	0.83	0.72	0.43	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.30	0.57	0.30	0.31	0.30	0.31	0.43	0.33	0.17	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.14	0.37	0.46	0.70	0.93	0.93	0.73	0.45	0.19	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.93
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.29	0.55	0.77	0.90	0.93	0.87	0.71	0.47	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.93
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.29	0.55	0.73	0.55	0.39	0.47	0.52	0.46	0.21	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.73
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.30	0.57	0.77	0.92	0.95	0.89	0.73	0.49	0.22	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.30	0.57	0.79	0.93	0.97	0.90	0.75	0.50	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.97
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.23	0.51	0.79	0.93	0.97	0.91	0.75	0.43	0.22	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.97
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.25	0.56	0.75	0.93	0.93	0.83	0.57	0.49	0.19	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.93
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.22	0.45	0.52	0.69	0.71	0.21	0.12	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.71
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.13	0.51	0.75	0.90	0.96	0.46	0.42	0.50	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.90
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.52	0.79	0.90	0.91	0.53	0.32	0.13	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.91
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.20	0.19	0.23	0.33	0.56	0.23	0.21	0.12	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.56
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.23	0.55	0.77	0.91	0.95	0.89	0.74	0.51	0.23	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.23	0.49	0.73	0.92	0.96	0.90	0.75	0.53	0.25	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.96
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.23	0.54	0.74	0.95	0.93	0.80	0.63	0.43	0.13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.22	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.14	0.13	0.13	0.17	0.19	0.17	0.12	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.33	0.55	0.36	0.93	1.01	0.93	0.81	0.53	0.25	0.02	0.01	0.01	0.01	0.01	0.01	0.01	1.01	

000 Program: EDMS_MONTHSUM

Version: LD:03-DEC-89

RAIN/MELT. PRECIP. [65102]

INCHES (RAINFALL)

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

JAN. 1989

AEROVIRONMENT INC.

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** ** *  
**      FINAL DATA  
** AS OF 12/NOV/91  
** ** *
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CLOCK HOUR [LOCAL STANDARD TIME]

[illegible]

PROGRAM: EDMS_MONTHSUM

Version: LC: 26-NOV-90

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1
SITE 31 SAGUARO NM, TUCSON, AZ
FEB, 1989
AEROENVIRONMENT INC.

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**          **
** FINAL DATA **
** AS OF 12/NOV/91 **
**          **
*****

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[illegible]

1002 Program: EDHS_MONTHSUM

Version: LC: 26-NOV-90 J

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SERVICE BASED POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

APR. 1989

AEROVIRONMENT INC.

SITE 31 SAGUARO NM, TUCSON, AZ
APR. 1989
AEROENVIRONMENT INC.

[illegible]

RAIN/MELT. PRECIP. [65102]

INCHES (RAINFALL)

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

MAY, 1939

AEROVIRONMENT INC.

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*****  
*****      FINAL DATA      *****  
*****    AS OF 12/NOV/91    *****  
*****
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CLOCK HOUR [LOCAL STANDARD TIME]

[illegible]

2002 PROGRAM: EDMS MONTHS: 12

Version: LC: 26-NOV-90

INCHES (RAINFALL)

SITE 31 SAGUARO NM, TUCSON, AZ

AEROVIRONMENT INC.

CLOCK HOUR LOCAL STANDARD TIME)

[illegible]

Version: \ LC: 26-NOV-90]

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 * FINAL DATA
 * AS OF 24/JUL/90
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NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK. #1
 SITE 31 SAGUARO NM, TUCSON, AZ
 JUL, 1989
 AEROVIRONMENT INC.

RAIN/MELT. PRECIP. [65102]
 INCHES (RAINFALL)

CLOCK HOUR [LOCAL STANDARD TIME]

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOT PEAK
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]	[PF]
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monthly total:																									0.00

Version: LC: 03-DEC-89

RAIN/MELT. PRECIP. [65102]

INCHES (RAINFALL)

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

SEP, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 26/JUL/90 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOT PEAK
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monthly total:																									0.00

RAIN/MELT. PRECIP. [65102]

INCHES (RAINFALL)

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

NOV, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 30/JUL/90 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

DY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOT PEAK
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]
17	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]	[OE]
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monthly total:																									0.10

RAIN/MELT. PRECIP. [65102]

INCHES (RAINFALL)

NATIONAL PARK SERVICE GASEOUS POLLUTANT NETWORK, #1

SITE 31 SAGUARO NM, TUCSON, AZ

DEC, 1989

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 30/JUL/90 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	19	20	21	22	23	TOT PEAK
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monthly total:																								0.29

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Version: LC:09-DEC-89J



As the nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

