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1984

TEXAS AIR CONTROL BOARD



CONTINUOUS AIR MONITORING NETWORK DATA SUMMARIES

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Continuous Monitoring Data Comments

This report provides a summary of data collected at Continuous Air Monitoring Stations (CAMS) operated by the Texas Air Control Board during 1984. A separate report summarizes 24-hour sampling results for total suspended particulate.

The symbol "●" is used to indicate that a set of data does not meet the Environmental Protection Agency's criteria (75% data return) for calculating an annual mean. Annual ambient air quality standards exist for nitrogen dioxide and sulfur dioxide.

Substantial effort has been made to insure the validity of the values developed from the CAMS system. Detailed information concerning station design, instrument configuration, data validation and quality assurance procedures may be obtained from the Quality Assurance or Ambient Monitoring Divisions of the Texas Air Control Board, 6330 Hwy. 290 East, Austin, Texas 78723.



Ambient Air Quality Standards

<u>National Standards</u>	<u>Primary</u> ¹	<u>Secondary</u> ²
Carbon Monoxide (CO)	35 ppm hourly average, not to be exceeded more than once a year	same as primary
	9 ppm eight-hour average, not to be exceeded more than once a year	
Nitrogen Dioxide (NO ₂)	0.05 ppm annual average	same as primary
Ozone (O ₃)	0.12 ppm hourly average, not to be exceeded for an average of more than one day for a three year period	same as primary
Total Suspended Particulate Matter	260 µg/m ³ 24-hour average not to be exceeded more than once a year	150 µg/m ³ 24-hour average, not to be exceeded more than once a year
	75 µg/m ³ annual geometric mean	60 µg/m ³ annual geometric mean
Sulfur Dioxide (SO ₂)	365 µg/m ³ (0.14 ppm) 24-hour average, not to be exceeded more than once a year	1,300 µg/m ³ (0.5 ppm) three hour average, not to be exceeded more than once a year
	80 µg/m ³ (0.03 ppm) annual average	

¹Primary standards define levels of air quality which the U.S. Environmental Protection Agency's (EPA) Administrator judges necessary to protect the public health with an adequate margin of safety.

²Secondary standards define levels of air quality which the EPA Administrator judges necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.



SUMMARY OF 1984 CAMS DATA COMPARED WITH AMBIENT STANDARDS

Air Quality Control Region Number	Station Location	CAMS Number	Ozone Second-Highest Hour	Number of Days with Ozone > 0.12 ppm in 1984	Carbon Monoxide 2nd Highest Hour	Carbon Monoxide 2nd Highest 8-Hours (Nonoverlapping)	Sulfur Dioxide 2nd Highest 24-Hours	Sulfur Dioxide Annual Mean	Sulfur Dioxide 2nd Highest 3-Hours (Nonoverlapping)	Nitrogen Dioxide Annual Mean
Maximum Allowable by Ambient Air Standards (parts per million)			0.12	1 Day Average For 3 Yr	35	9	0.14	0.03	0.5	0.05
3	Austin, Northwest	3	0.11	0	---	---	0.01	0.003	0.02	---
	North of Austin, Travis County	25	0.10	0	---	---	---	---	---	---
5	Corpus Christi West	4	0.11	1	---	---	0.02	0.002	0.06	---
	San Patricio Co., Odem	21	0.11	0	---	---	0.02	0.006*	0.09	---
	Corpus Christi, Tuloso	21	0.11	0	---	---	0.01	0.006*	0.06	---
6	Odessa	14	0.11	0	9.0	3.7	0.01	0.001	0.05	0.010*

*Data less than 75% complete



SUMMARY OF 1984 CAMS DATA COMPARED WITH AMBIENT STANDARDS

Air Quality Control Region Number	Station Location	CAMS Number	Ozone Second-Highest Hour	Number of Days with Ozone > 0.12 ppm in 1984	Carbon Monoxide 2nd Highest Hour	Carbon Monoxide 2nd Highest 8-Hours (Nonoverlapping)	Sulfur Dioxide 2nd Highest 24-Hours	Sulfur Dioxide Annual Mean	Sulfur Dioxide 2nd Highest 3-Hours (Nonoverlapping)	Nitrogen Dioxide Annual Mean
Maximum Allowable by Ambient Air Standards (parts per million)			0.12	1 Day Average For 3 Yr	35	9	0.14	0.03	0.5	0.05
7	Houston, East 1224 Mae Drive	1	0.21	16	8.8	6.4	0.02	0.009	0.08	0.018
	Harris Co., Aldine	8	0.20	19	12.9	5.8	---	---	---	0.018
	Texas City	10	0.15	5	---	---	0.06	0.009	0.19	0.008*
	Clute (Freeport)	11	0.13	3	---	---	0.01	0.002*	0.02	0.008*
	Channelview	15	0.21	15	---	---	0.01	0.003	0.06	0.011
	Deer Park	18	0.20	13	---	---	0.01	0.004	0.06	0.015*
	Seabrook	20	0.22	10	---	---	0.00	0.001	0.03	0.008
	Houston, Manchester	22	---	---	---	---	0.05	0.007*	0.13	---
	Baytown, McElroy McElroy Park	24	---	---	---	---	0.03	0.005	0.14	---

*Data less than 75% complete



SUMMARY OF 1984 CAMS DATA COMPARED WITH AMBIENT STANDARDS

Air Quality Control Region Number	Station Location	CAMS Number	Ozone Second-Highest Hour	Number of Days with Ozone > 0.12 ppm in 1984	Carbon Monoxide 2nd Highest Hour	Carbon Monoxide 2nd Highest 8-Hours (Nonoverlapping)	Sulfur Dioxide 2nd Highest 24-Hours	Sulfur Dioxide Annual Mean	Sulfur Dioxide 2nd Highest 3-Hours (Nonoverlapping)	Nitrogen Dioxide Annual Mean
Maximum Allowable by Ambient Air Standards (parts per million)			0.12	1 Day Average For 3 Yr	35	9	0.14	0.03	0.5	0.05
7	Dyess Park NW Harris Co.	26	0.18	11	---	---	---	---	---	---
	Pasadena	31	---	---	---	---	0.02	0.005	0.07	---
8	Dallas, North	5	0.16	8	---	---	0.01	0.002*	0.02	0.016
	Fort Worth, Northwest	13	0.16	9	7.0	3.5	0.04	0.002	0.14	0.015
	Fort Worth, Downtown	16	---	---	9.7	5.8	---	---	---	0.022*
	N. Tarrant Co., Keller	17	0.18	9	---	---	---	---	---	---
9	San Antonio, North	7	0.13	1	13.0	5.0	0.01	0.002	0.02	0.012
	San Antonio Northwest	23	0.12	0	---	---	---	---	---	---

*Data less than 75% complete



SUMMARY OF 1984 CAMS DATA COMPARED WITH AMBIENT STANDARDS

Air Quality Control Region Number	Station Location	CAMS Number	Ozone Second-Highest Hour	Number of Days with Ozone > 0.12 ppm in 1984	Carbon Monoxide 2nd Highest Hour	Carbon Monoxide 2nd Highest 8-Hours (Nonoverlapping)	Sulfur Dioxide 2nd Highest 24-Hours	Sulfur Dioxide Annual Mean	Sulfur Dioxide 2nd Highest 3-Hours (Nonoverlapping)	Nitrogen Dioxide Annual Mean
Maximum Allowable by Ambient Air Standards (parts per million)			0.12	1 Day Average For 3 Yr	35	9	0.14	0.03	0.5	0.05
9	San Antonio, Downtown (Old Post Office)	27	---	---	13.8	7.6	---	---	---	---
10	Beaumont, Downtown	2	0.15	10	4.9	2.6	0.06	0.008	0.22	0.012*
	West Orange	9	0.15	2	---	---	0.00	0.007	0.03	0.012*
	Port Arthur, West	28	---	---	---	---	0.11	0.12*	0.39	---
	Port Arthur, North	29	0.15	5	---	---	0.01	0.003	0.08	---
11	El Paso, Downtown	6	0.12	0	20.1	11.8	0.06	0.020	0.30	0.019
	El Paso, UTEP	12	0.13	3	10.0	6.0	0.09	0.025	0.36	0.021
	El Paso, Far West	30	0.08	0	---	---	0.03	0.005*	0.12	---

*Data less than 75% complete



SUMMARY OF 1984 CAMS DATA COMPARED WITH AMBIENT STANDARDS

Air Quality Control Region Number	Station Location	CAMS Number	Ozone Second-Highest Hour	Number of Days with Ozone > 0.12 ppm in 1984	Carbon Monoxide 2nd Highest Hour	Carbon Monoxide 2nd Highest 8-Hours (Nonoverlapping)	Sulfur Dioxide 2nd Highest 24-Hours	Sulfur Dioxide Annual Mean	Sulfur Dioxide 2nd Highest 3-Hours (Nonoverlapping)	Nitrogen Dioxide Annual Mean
Maximum Allowable by Ambient Air Standards (parts per million)			0.12	1 Day Average For 3 Yr	35	9	0.14	0.03	0.5	0.05
11	El Paso, East	30	0.16	8	17.7	12.5	---	---	---	---
12	Gregg, Co. (Longview)	19	0.16	1	---	---	0.01	0.002	0.05	0.002

*Data less than 75% complete



TABLE OF OZONE EXCEEDANCES

The following table indicates for each site how many days that had at least one hour exceeding the ozone standard of 0.12 ppm. Local program monitors are included in this Table, but are not presented in the detailed summaries which follow. To violate the ozone standard, a site must average more than one daily exceedance for a three year period.



		NUMBER OF DAYS OVER OZONE STANDARD													
		YEAR	72	73	74	75	76	77	78	79	80	81	82	83	84
NAME	CAMS REG														
AUSTIN 53RD	03		2+												
AUSTIN NW	03 03								1+	2	1	0	0	0*	
AUSTIN N	03 03		1*	0	2	0	0	0	0+						
AUSTIN DTN	15 03				0	0	0	0							
WACO	17 03				0+	1	0*	0+							
N OF AUSTIN	25 03										1+	0	0	0	
CORPUS URBAN	04 05		0+	1	0	4	3	5	1	3	0+				
CORPUS WEST	04 05										0+	1	0	1	
CORPUS DWIND	21 05						0	4	1*	0*	0+				
ODEM	21 05										1	1	0*	0+	
CORPUS TULOS021	05														0+
ODESSA	14 06				0*	1	2	0	0	0	0	1	0	0	
HOUSTON CROQ	07							19+	8+	28	28*	25	33*	15	
HOUSTON LANG	07						6+	24*	13	16	12*	10*	16*	13	
HOUSTON FURQUA	07						14+	26*	21	26	26	11	21	3+	
HOUSTON PARK	07						34	47	27	24*	12*	3+			
HOUSTON CRAW	07						12*	24	14	12	16*	12*	21	10	
HOUSTON CLINT	07 25* 11*						27*	16*	13*	20	20	20	15*	13	
HOUSTON MAC	07						18+	3+							
HOUSTON WAYSIDE	07												12*	14	
HOUSTON SWISS	07													13*	
HOUSTON EAST	01 07		17*	22	18	18	26	21	18*	26	11	20	21	16	
ALDINE	08 07		5+	22	30*	23	38	40	10*	23	8	22	19		
TEXAS CITY	10 07		4+	9	21	11	23	17	14	0+	13	2+	5		
CLUTE	11 07		0+	7	13	4	13	21*	1+	4	4+	4	3		
CHANNELVIEW	15 07									0+	30*	5	0?	15	
DEER PARK	18 07										12*	10	18	13	
SEABROOK	20 07							0	42	16*	19	16*	16*	10	
NW HARRIS CO	26 07										14*	12	20	11	
DENTON CO	08										9	2	16	7	
DALLAS SUNNY	08							0+	1	0	1+				
DALLAS ILL	08									0*	2	1	4	1	
DALLAS MOCK	08							0+	6	2	6	7	7	7	
DALLAS BONNIEVIEW08												1*	3	1	
DALLAS NORTH	05 08		0+	8	11	17	11	1	11	10	4	11	7	8	
FT WORTH NW	13 08				0+	16	9	3	6	4	4	5	1	9	
FT WORTH DTN	16 08					3+	3	0	8	1	0+				
HASLET	17 08										2	0+			
KELLER	17 08											0+	5	9	
DALLAS DTN	20 08						1								
ARLINGTON	22 08						0	2	11	3	0+				
SAN ANT N	07 09			1*	2	5	5	1	0*	0	1	0	1	1	
SAN ANT DWN	18 09						0	0	0	0	0+				
SAN ANT NW	23 09										0*	2	1	0	
SE BEXAR CO	23 09						0+	0	0	0	0+				
BEAUMONT	02 10										2+	2	5*	6+	10
BEAUMONT	02 10									7*	13				
NEDERLAND	02 10 48		34*	7+	17	24	18*	18	5+						
WEST ORANGE	09 10			10*	8	18	11	14	10+	26	5*	2*	1*	2	
NEDERLAND	17 10								3+	0					
FORT ARTHUR N29	10										4+	7*	1+	5*	
EL PASO DTN	06 11		0*	1	3	2	5	3	1	0+	1	0	0	0	
EL PASO EAST	12 11			0+	7	12	2	6	7	7	0+			8+	
EL PASO UTEP	12 11										1+	2*	3	3	
EL PASO LINC	30 11										1+	0*	0*	0+	
GREGG CO	19 12						9	1	1*	2	1	2	4	1*	

VIOLATION COUNTS ARE FOR THE ENTIRE YEAR. THE SYMBOLS (* AND +) ARE DEFINED AS FOLLOWS: IF NO SYMBOL--GREATER THAN 75% DATA RETURN FOR THE 'OZONE SEASON'.
 * INDICATES BETWEEN 75% AND 50% DATA RETURN FOR THE 'OZONE SEASON'.
 + INDICATES LESS THAN 50% DATA RETURN FOR THE 'OZONE SEASON'.
 THE 'OZONE SEASON' USED FOR THIS TABLE WAS APRIL THROUGH SEPTEMBER.

LOCAL PROGRAM SITES DO NOT HAVE A CAMS NUMBER SHOWN.
 IF YOU HAVE QUESTIONS ON THIS CHART, CONTACT LARRY BUTTS, DATA MANAGEMENT.



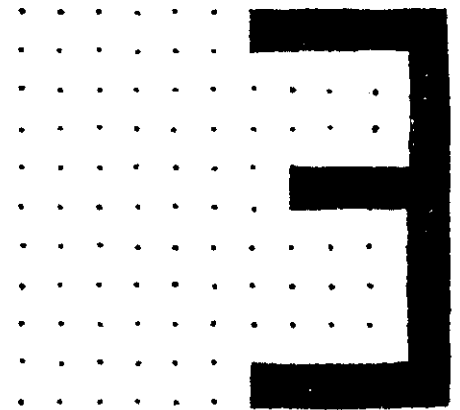


ORDER OF PRESENTATION

<u>AQCR</u>	<u>CAMS STATION NAME</u>	<u>CAMS #</u>
3	AUSTIN, NORTHWEST	3
	NORTH OF AUSTIN, TRAVIS COUNTY	25
5	CORPUS CHRISTI, WEST	4
	SAN PATRICIO COUNTY, ODEM	21
	CORPUS CHRISTI, TULOSO	21
6	ODESSA	14
7	HOUSTON, EAST	1
	HARRIS COUNTY, ALDINE	8
	TEXAS CITY	10
	CLUTE (FREEPORT)	11
	CHANNELVIEW	15
	DEER PARK	18
	SEABROOK	20
	HOUSTON, MANCHESTER	22
	BAYTOWN	24
	NORTHWEST HARRIS COUNTY	26
	PASADENA	31
8	DALLAS, NORTH	5
	FORT WORTH, NORTHWEST	13
	FORT WORTH, DOWNTOWN	16
	NORTH TARRANT COUNTY, KELLER	17
9	SAN ANTONIO, NORTH	7
	SAN ANTONIO, NORTHWEST #2	23
	SAN ANTONIO, DOWNTOWN	27
10	BEAUMONT	2
	WEST ORANGE	9
	PORT ARTHUR, WEST	28
	PORT ARTHUR, NORTH	29
11	EL PASO, DOWNTOWN	6
	EL PASO, UTEP	12
	EL PASO, FAR WEST (LINCOLN SCHOOL)	30
	EL PASO, EANT	30
12	GREGG COUNTY (LONGVIEW)	19

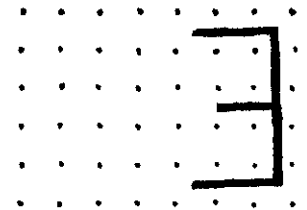


C A M S



AUSTIN, NORTH WEST
MURCHISON JR. HIGH SCHOOL

REG:ION





OZONE (UV PHOTOMETRIC) SUMMARY

AUSTIN, NORTHWEST

LOCATION CODE: 0220014 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.12	PPM 08/02/84
SECOND HIGHEST ONE HOUR AVERAGE	.11	PPM 08/02/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.027	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	0	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	6493	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.12

SULFUR DIOXIDE (PUL FL) SUMMARY

AUSTIN, NORTHWEST

LOCATION CODE: 0220014 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.07	PPM 10/24/84
SECOND HIGH ONE HOUR AVERAGE	.06	PPM 01/24/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.003	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.00	PPM
TOTAL NUMBER OF HOURS	6682	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.07

		DATE
HIGH 24-HOUR AVERAGE	.01	PPM 07/30/84
SECOND HIGH 24-HOUR AVERAGE	.01	PPM 03/30/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.001	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.00	PPM
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	0	
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	%
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0	
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	%
TOTAL NUMBER OF 24-HOUR AVERAGES	289	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01

		DATE
HIGH THREE HOUR RUNNING AVERAGE	.03	PPM 10/24/84
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.02	PPM 01/24/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.002	PPM
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.00	PPM
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	6246	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03

RESULTANT WIND SPEED SUMMARY

AUSTIN, NORTHWEST

LOCATION CODE: 0220014 AGENCY CODE: F

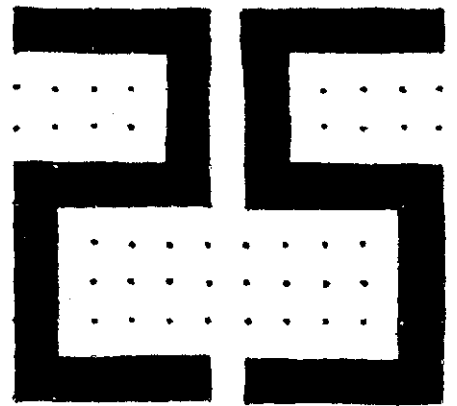
START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.62	2.72	3.81	0.72	0.00	0.00	7.89
NNE	0.86	3.09	2.72	0.50	0.00	0.00	7.18
NE	0.65	2.21	2.17	0.09	0.00	0.00	5.14
ENE	0.46	1.58	0.45	0.01	0.00	0.00	2.51
E	0.57	1.20	0.09	0.00	0.00	0.00	1.87
ESE	1.19	1.35	0.02	0.09	0.00	0.00	2.57
SE	1.69	3.03	0.62	0.01	0.00	0.00	5.37
SSE	1.88	8.93	4.78	0.30	0.00	0.00	15.91
S	2.44	12.78	5.74	0.00	0.00	0.00	21.97
SSW	2.85	4.66	0.68	0.00	0.00	0.00	8.21
SW	2.58	2.40	0.28	0.00	0.00	0.00	5.28
WSW	1.10	0.91	0.13	0.03	0.00	0.00	2.24
W	0.91	1.13	0.16	0.10	0.00	0.00	2.32
WNW	0.53	0.71	0.57	0.17	0.00	0.00	1.99
NW	0.71	1.36	1.05	0.60	0.23	0.01	3.98
NNW	0.71	1.92	1.55	0.76	0.09	0.00	5.06
TOTALS	19.84	50.06	25.91	3.39	0.32	0.01	100.00

TOTAL NUMBER OF HOURS 7308

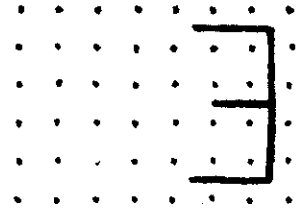


C A M S



NORTH OF AUSTIN, TRAVIS COUNTY
DUVAL ROAD & WATERS PARK ROAD

REGION





OZONE (UV PHOTOMETRIC) SUMMARY

NORTH OF AUSTIN

LOCATION CODE: 5210003 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.11	PPM 08/02/84
SECOND HIGH ONE HOUR AVERAGE	.10	PPM 08/02/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.023	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	0	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	7497	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.11

RESULTANT WIND SPEED SUMMARY

NORTH OF AUSTIN

LOCATION CODE: 5210003 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	5.05	3.17	3.53	0.56	0.02	0.00	12.35
NNE	3.12	2.75	3.22	0.20	0.00	0.00	9.30
NE	1.18	2.13	0.91	0.03	0.00	0.00	4.27
ENE	1.08	1.07	0.09	0.00	0.00	0.00	2.25
E	1.21	1.35	0.09	0.00	0.00	0.00	2.66
ESE	1.77	1.74	0.09	0.00	0.00	0.00	3.61
SE	2.29	2.84	0.37	0.00	0.00	0.00	5.51
SSE	2.35	7.49	4.92	0.19	0.00	0.00	14.95
S	1.47	7.19	9.21	1.44	0.01	0.00	19.33
SSW	0.97	2.70	2.79	0.37	0.00	0.00	6.85
SW	0.57	1.06	0.62	0.06	0.00	0.00	2.32
WSW	0.39	0.59	0.21	0.02	0.00	0.00	1.23
W	0.51	0.34	0.33	0.04	0.00	0.00	1.25
WNW	0.60	0.45	0.27	0.14	0.01	0.00	1.49
NW	1.38	0.83	0.88	0.36	0.00	0.00	3.46
NNW	3.67	2.19	1.96	0.17	0.00	0.00	8.03
TOTALS	27.69	37.95	29.58	3.65	0.04	0.00	100.00

TOTAL NUMBER OF HOURS 8289

C A M S

4

CORPUS CHRISTI, WEST
CORPUS CHRISTI STATE SCHOOL
AIRPORT ROAD

REGION

5



OZONE (UV PHOTOMETRIC) SUMMARY

CORPUS CHRISTI, WEST

LOCATION CODE: 1150025 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.14	PPM 07/29/84
SECOND HIGH ONE HOUR AVERAGE	.11	PPM 04/23/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.026	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	1	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	7789	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.14

RESULTANT WIND SPEED SUMMARY

CORPUS CHRISTI, WEST

LOCATION CODE: 1150025 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.43	1.23	2.05	2.23	0.30	0.00	6.31
NNE	0.34	1.99	3.85	2.30	0.15	0.01	8.66
NE	0.42	1.26	1.76	0.49	0.10	0.00	4.05
ENE	0.41	1.23	1.57	0.21	0.04	0.00	3.47
E	0.47	1.46	3.67	1.52	0.01	0.00	7.15
ESE	0.78	2.80	4.05	2.35	0.01	0.00	10.00
SE	0.63	3.22	6.44	8.13	1.00	0.00	19.45
SSE	0.55	3.28	7.02	6.44	1.99	0.22	19.53
S	0.66	2.80	2.99	1.85	0.35	0.01	8.68
SSW	0.55	0.83	0.37	0.21	0.02	0.00	2.01
SW	0.47	0.36	0.18	0.02	0.00	0.00	1.05
WSW	0.43	0.20	0.11	0.07	0.00	0.00	0.82
W	0.36	0.29	0.09	0.03	0.00	0.00	0.79
WNW	0.57	0.31	0.16	0.14	0.01	0.00	1.21
NW	0.62	0.40	0.27	0.18	0.31	0.08	1.89
NNW	0.53	0.80	1.33	0.89	0.56	0.03	4.17
TOTALS	8.30	22.54	36.00	27.19	4.92	0.36	100.00

TOTAL NUMBER OF HOURS 8455



C A M S

21

ODEM
SAN PATRICIO COUNTY

REG:ION

5



OZONE (UV PHOTOMETRIC) SUMMARY

SAN PATRICIO CO(DDM)

LOCATION CODE: 4650002 AGENCY CODE: F

START DATE: 01/04/84 END DATE: 06/11/84

		DATE
HIGH ONE HOUR AVERAGE	.11	PPM 04/23/84
SECOND HIGH ONE HOUR AVERAGE	.11	PPM 04/23/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.032	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	0	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	3118	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.06	0.11

SULFUR DIOXIDE (PUL FL) SUMMARY

SAN PATRICIO CO(ODEM)

LOCATION CODE: 4650002 AGENCY CODE: F

START DATE: 01/31/84 END DATE: 06/08/84

HIGH ONE HOUR AVERAGE	.18	PPM	DATE 04/29/84
SECOND HIGH ONE HOUR AVERAGE	.14	PPM	DATE 04/29/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.006	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	3107		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.18

HIGH 24-HOUR AVERAGE	.02	PPM	DATE 05/02/84
SECOND HIGH 24-HOUR AVERAGE	.02	PPM	DATE 05/01/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.004	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	%	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	%	
TOTAL NUMBER OF 24-HOUR AVERAGES	133		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02

HIGH THREE HOUR RUNNING AVERAGE	.13	PPM	DATE 04/29/84
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.09	PPM	DATE 05/01/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.005	PPM	
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.01	PPM	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	2857		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.13

RESULTANT WIND SPEED SUMMARY

SAN PATRUCIO CO(CDEM)

LOCATION CODE: 4650002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 05/29/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.73	5.32	3.82	0.55	0.00	0.00	10.44
NNE	0.56	3.89	3.59	0.59	0.00	0.00	8.64
NE	0.49	2.62	1.26	0.05	0.00	0.00	4.45
ENE	0.83	1.89	1.79	0.13	0.00	0.00	4.65
E	0.49	1.43	0.59	0.09	0.00	0.00	2.62
ESE	0.43	1.92	2.69	0.46	0.00	0.00	5.52
SE	0.66	1.69	5.45	4.02	0.03	0.00	11.87
SSE	0.69	2.86	5.98	7.88	1.36	0.03	18.82
S	0.79	2.26	4.72	2.72	0.26	0.00	10.77
SSW	0.46	0.76	1.16	0.76	0.00	0.00	3.16
SW	0.56	0.73	0.43	0.13	0.00	0.00	1.86
WSW	0.69	0.69	0.16	0.23	0.00	0.00	1.79
W	0.56	0.39	0.09	0.00	0.00	0.00	1.06
WNW	0.66	0.93	0.59	0.13	0.00	0.00	2.32
NW	0.76	1.63	1.06	0.63	0.29	0.00	4.39
NNW	0.76	3.75	2.06	0.93	0.00	0.00	7.51
TOTALS	10.21	32.83	35.52	19.39	1.96	0.03	100.00

TOTAL NUMBER OF HOURS 3006



CAMES 21

CORPUS CHRISTI, TULOSO
9830 LA BRANCH

REGION 5



OZONE (UV PHOTOMETRIC) SUMMARY

CORPUS CHRISTI(TJL053)

LOCATION CODE: 1150026 AGENCY CODE: F

START DATE: 06/26/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.11	PPM 07/29/84
SECOND HIGHER ONE HOUR AVERAGE	.11	PPM 07/29/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.023	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	0	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	4013	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.11

RESULTANT WIND SPEED SUMMARY

CORPUS CHRISTI(TJL050)

LOCATION CODE: 1150026 AGENCY CODE: F

START DATE: 06/23/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.82	2.16	2.69	0.30	0.00	0.00	7.01
NNE	0.59	1.15	2.33	0.07	0.00	0.00	4.16
NE	1.64	2.25	1.25	0.00	0.00	0.00	5.16
ENE	0.71	1.87	2.02	0.02	0.00	0.00	4.64
E	0.41	1.18	1.20	0.00	0.00	0.00	2.79
ESE	0.74	2.15	1.18	0.00	0.00	0.00	4.08
SE	1.20	4.26	4.46	0.23	0.00	0.00	10.16
SSE	1.30	5.21	2.45	1.25	0.00	0.00	17.23
S	3.00	7.19	7.52	0.66	0.00	0.00	18.38
SSW	1.54	5.62	2.56	0.25	0.00	0.00	10.09
SW	0.87	2.18	1.30	0.10	0.00	0.00	4.46
WSW	0.46	1.10	0.17	0.02	0.00	0.00	1.77
W	0.51	0.23	0.05	0.00	0.00	0.00	0.79
WNW	0.30	0.25	0.05	0.00	0.00	0.00	0.61
NW	0.59	1.00	0.71	0.02	0.00	0.00	2.33
NNW	0.54	2.23	2.69	0.53	0.00	0.00	6.11
TOTALS	16.48	40.11	39.72	3.51	0.00	0.00	100.00

TOTAL NUMBER OF HOURS 3894



C A M S

14

ODESSA
GRANDVIEW AND BRENTWOOD

REG:ION

6



OZONE (UV PHOTOMETRIC) SUMMARY

DESSA

LOCATION CODE: 3910002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.12	PPM 05/21/84
SECOND HIGH ONE HOUR AVERAGE	.11	PPM 05/21/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.030	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	0	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	7808	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.12	

CARBON MONOXIDE (CO) SUMMARY

ODESSA

LOCATION CODE: 3910002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	11.0	PPM	DATE 12/17/84
SECOND HIGH ONE HOUR AVERAGE	9.0	PPM	02/05/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.98	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.6	PPM	
NUMBER OF HOURS EXCEEDING 35 PPM	0		
PERCENT OF HOURS EXCEEDING 35 PPM	.0	%	
TOTAL NUMBER OF HOURS	7642		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.6	0.7	0.7	0.8	0.9	0.9	1.0	1.2	1.4	11.0

DATE

HIGH 8-HOUR RUNNING AVERAGE	4.1	PPM	DATE 01/31/84
SECOND HIGH 8-HOUR RUNNING AVERAGE	NONOVERLAPPING 3.7	PPM	02/01/84
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	.93	PPM	
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	.4	PPM	
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	7823		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.6	0.7	0.7	0.8	0.9	0.9	1.0	1.1	1.3	4.1

NITROGEN DIOXIDE(CHLJM) SUMMARY

JDSSA

LOCATION CODE: 3910002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 05/02/84

HIGH ONE HOUR AVERAGE	.06	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.05	PPM	03/13/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.010	PPM	01/23/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	2457		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.06

HIGH 24-HOUR AVERAGE	.02	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.02	PPM	02/03/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.006	PPM	01/31/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	103		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02

OXIDES OF NITROGEN (CL) SUMMARY

ODESSA

LOCATION CODE: 3910002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 05/02/84

HIGH ONE HOUR AVERAGE	.29	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.26	PPM	02/04/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.018	PPM	02/04/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.03	PPM	
TOTAL NUMBER OF HOURS	2454		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.04	0.29

HIGH 24-HOUR AVERAGE	.07	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.06	PPM	02/03/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.015	PPM	01/31/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	102		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.07

RESULTANT WIND SPEED SUMMARY

ODESSA

LOCATION CODE: 3910002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.52	1.09	1.64	0.35	0.09	0.00	3.70
NNE	0.52	1.63	1.78	0.59	0.03	0.00	4.48
NE	0.49	2.27	2.94	1.16	0.01	0.00	6.88
ENE	0.93	2.55	1.64	0.08	0.00	0.00	5.22
E	1.09	2.14	0.73	0.01	0.00	0.00	3.99
ESE	1.07	3.53	1.61	0.28	0.01	0.00	6.52
SE	1.32	4.69	2.22	0.19	0.00	0.00	8.44
SSE	1.12	6.74	6.67	0.51	0.04	0.00	15.11
S	0.93	5.57	6.37	0.75	0.02	0.00	13.67
SSW	0.73	3.61	3.21	0.21	0.00	0.00	7.78
SW	0.77	2.31	2.26	0.42	0.05	0.01	5.84
WSW	0.59	1.76	1.71	0.72	0.17	0.03	5.01
W	0.63	1.27	1.10	0.80	0.22	0.08	4.13
WNW	0.51	0.76	0.63	0.18	0.01	0.00	2.11
NW	0.48	1.36	0.95	0.37	0.12	0.00	3.29
NNW	0.48	1.13	1.19	0.64	0.10	0.03	3.60
TOTALS	12.27	42.48	36.73	7.25	0.92	0.16	100.00

TOTAL NUMBER OF HOURS 8521



C A M S

1

HOUSTON, EAST
1224 MAE DRIVE

REG:ION

7



OZONE (UV PHOTOMETRIC) SUMMARY

HOUSTON, EAST

LOCATION CODE: 2560034 AGENCY CODE: F

START DATE: 01/02/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.25	PPM 04/11/84
SECOND HIGH ONE HOUR AVERAGE	.21	PPM 04/11/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.025	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	34	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.5	%
TOTAL NUMBER OF HOURS	7431	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.25

CARBON MONOXIDE (NDIR) SUMMARY

HOUSTON, EAST

LOCATION CODE: 2560034 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	10.9	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	8.8	PPM	02/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	1.20	PPM	08/16/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.8	PPM	
NUMBER OF HOURS EXCEEDING 35 PPM	0		
PERCENT OF HOURS EXCEEDING 35 PPM	.0	%	
TOTAL NUMBER OF HOURS	7672		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.4	1.9	10.9

DATE

HIGH 8-HOUR RUNNING AVERAGE	7.4	PPM	DATE
SECOND HIGH 8-HOUR RUNNING AVERAGE	NONOVERLAPPING 6.4	PPM	09/27/84
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	1.16	PPM	12/18/84
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	.6	PPM	
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	7802		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.4	1.8	7.4

SULFUR DIOXIDE (PUL FL) SUMMARY

HOUSTON, EAST

LOCATION CODE: 2560034 AGENCY CODE: F

START DATE: 01/31/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.15	PPM	01/28/84
SECOND HIGH ONE HOUR AVERAGE	.14	PPM	08/16/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.009	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	7397		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.15

HIGH 24-HOUR AVERAGE	.03	PPM	04/20/84
SECOND HIGH 24-HOUR AVERAGE	.02	PPM	08/16/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.004	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	%	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	%	
TOTAL NUMBER OF 24-HOUR AVERAGES	319		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.03

HIGH THREE HOUR RUNNING AVERAGE	.08	PPM	08/16/84
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.08	PPM	04/20/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.007	PPM	
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.01	PPM	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	6786		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.08

NITROGEN DIOXIDE(CHLUM) SUMMARY

HOUSTON, EAST

LOCATION CODE: 2560034 AGENCY CODE: F

START DATE: 01/03/84 END DATE: 12/31/84

											DATE	
HIGH ONE HOUR AVERAGE												
SECOND HIGH ONE HOUR AVERAGE												
ARITHMETIC MEAN OF ONE HOUR AVERAGES												
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES												
TOTAL NUMBER OF HOURS												

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.10

											DATE	
HIGH 24-HOUR AVERAGE												
SECOND HIGH 24-HOUR AVERAGE												
ARITHMETIC MEAN OF 24-HOUR AVERAGES												
STANDARD DEVIATION OF 24-HOUR AVERAGES												
TOTAL NUMBER OF 24-HOUR AVERAGES												

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04

NITRIC OXIDE (CHLUM) SUMMARY

HOUSTON, EAST

LOCATION CODE: 2560034 AGENCY CODE: F

START DATE: 01/03/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.51	PPM	DATE 03/01/84
SECOND HIGH ONE HOUR AVERAGE	.50	PPM	02/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.021	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.04	PPM	
TOTAL NUMBER OF HOURS	7352		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.06	0.51

HIGH 24-HOUR AVERAGE	.16	PPM	DATE 02/22/84
SECOND HIGH 24-HOUR AVERAGE	.10	PPM	02/16/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.017	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	311		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.05	0.16

OXIDES OF NITROGEN (NOx) SUMMARY

HOUSTON, EAST

LOCATION CODE: 2560034 AGENCY CODE: F

START DATE: 01/03/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.72	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.57	PPM	02/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.039	PPM	03/01/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.05	PPM	
TOTAL NUMBER OF HOURS	7027		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.06	0.09	0.72

HIGH 24-HOUR AVERAGE	.19	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.14	PPM	02/22/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.035	PPM	01/27/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.03	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	297		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.07	0.19

RESULTANT WIND SPEED SUMMARY

HOUSTON, EAST

LOCATION CODE: 2560034 AGENCY CODE: F

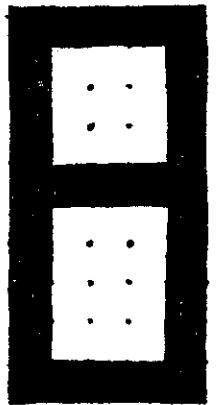
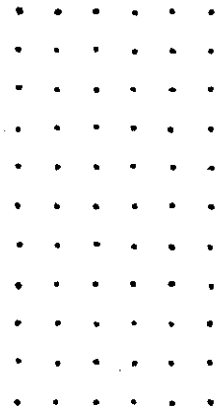
START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	2.45	3.31	2.36	0.02	0.00	0.00	8.15
NNE	2.48	3.30	0.91	0.00	0.00	0.00	6.69
NE	2.06	2.86	0.85	0.00	0.00	0.00	5.78
ENE	1.69	1.28	0.07	0.00	0.00	0.00	3.06
E	1.34	0.75	0.09	0.00	0.00	0.00	2.20
ESE	1.28	1.50	0.37	0.01	0.00	0.00	3.18
SE	1.83	4.09	0.91	0.00	0.00	0.00	6.84
SSE	2.53	7.09	1.86	0.15	0.00	0.00	11.65
S	3.21	6.97	3.87	0.28	0.00	0.00	14.36
SSW	2.43	5.89	2.69	0.06	0.00	0.00	11.08
SW	2.55	2.91	0.54	0.03	0.00	0.00	6.14
WSW	2.13	0.96	0.09	0.01	0.00	0.00	3.20
W	1.84	0.61	0.19	0.00	0.00	0.00	2.65
WNW	1.57	1.00	0.39	0.03	0.00	0.00	3.01
NW	1.86	1.49	1.16	0.16	0.00	0.00	4.69
NNW	2.03	2.01	1.48	0.06	0.00	0.00	5.59
TOTALS	33.46	46.10	17.91	0.85	0.00	0.00	100.00

TOTAL NUMBER OF HOURS 8299

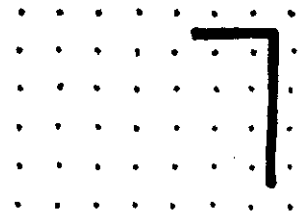


C A M S



HOUSTON, ALDINE
HAMBRICK JR. HIGH SCHOOL
4510 ALDINE MAIL ROUTE ROAD

REG:ION





OZONE (UV PHOTOMETRIC) SUMMARY

HARRIS COUNTY, ALDINE

LOCATION CODE: 2330024 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.24	PPM 06/11/84
SECOND HIGH ONE HOUR AVERAGE	.20	PPM 06/15/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.027	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.03	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	45	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.6	%
TOTAL NUMBER OF HOURS	7895	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.06	0.24

CARBON MONOXIDE (NDIR) SUMMARY

HARRIS COUNTY, ALDINE

LOCATION CODE: 2330024 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	15.7	PPM	02/23/84
SECOND HIGH ONE HOUR AVERAGE	12.9	PPM	02/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.70	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.9	PPM	
NUMBER OF HOURS EXCEEDING 35 PPM	0		
PERCENT OF HOURS EXCEEDING 35 PPM	.0	%	
TOTAL NUMBER OF HOURS	7809		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.0	0.3	0.2	0.3	0.5	0.6	0.8	1.0	1.6	15.7

DATE

HIGH 8-HOUR RUNNING AVERAGE	6.4	PPM	01/26/84
SECOND HIGH 8-HOUR RUNNING AVERAGE NONOVERLAPPING	5.8	PPM	02/07/84
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	.67	PPM	
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	.8	PPM	
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	7992		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.0	0.1	0.2	0.3	0.5	0.6	0.8	1.0	1.5	6.4

NITROGEN DIOXIDE(CHLUM) SUMMARY

HARRIS COUNTY, ALDINE

LOCATION CODE: 2330024 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.15	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.09	PPM	02/13/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.018	PPM	02/13/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	7252		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.15

HIGH 24-HOUR AVERAGE	.04	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.03	PPM	02/01/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.013	PPM	12/08/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	314		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.04

NITRIC OXIDE (CHLUM) SUMMARY

HARRIS COUNTY, ALDINE

LOCATION CODE: 2330024 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.48	PPM 01/26/84
SECOND HIGH ONE HOUR AVERAGE	.47	PPM 02/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.016	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.06	PPM
TOTAL NUMBER OF HOURS	7373	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.04	0.48

		DATE
HIGH 24-HOUR AVERAGE	.11	PPM 12/08/84
SECOND HIGH 24-HOUR AVERAGE	.10	PPM 01/26/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.012	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	319	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.11

OXIDES OF NITROGEN (CL) SUMMARY

HARRIS COUNTY, ALDINE

LOCATION CODE: 2330024 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.54	PPM 01/26/84
SECOND HIGH ONE HOUR AVERAGE	.51	PPM 02/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.035	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.05	PPM
TOTAL NUMBER OF HOURS	7367	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.07	0.54

		DATE
HIGH 24-HOUR AVERAGE	.14	PPM 12/08/84
SECOND HIGH 24-HOUR AVERAGE	.13	PPM 02/07/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.030	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.03	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	317	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.06	0.14

RESULTANT WIND SPEED SUMMARY

HARRIS COUNTY, ALDINE

LOCATION CODE: 2330024 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	2.06	2.41	2.43	0.51	0.00	0.00	7.43
NNE	2.51	3.55	1.86	0.14	0.00	0.00	8.07
NE	2.30	2.81	0.63	0.00	0.00	0.00	5.76
ENE	1.77	2.34	0.63	0.00	0.00	0.00	4.76
E	1.97	2.07	0.15	0.00	0.00	0.00	4.20
ESE	2.91	2.54	0.50	0.00	0.00	0.00	5.96
SE	3.52	4.19	2.96	0.11	0.00	0.00	10.80
SSE	3.05	4.96	6.15	1.10	0.02	0.00	15.29
S	2.43	5.66	6.41	1.41	0.01	0.00	15.94
SSW	1.44	2.18	1.44	0.15	0.00	0.00	5.23
SW	1.14	1.01	0.69	0.02	0.00	0.00	2.87
WSW	0.78	0.87	0.30	0.01	0.00	0.00	1.97
W	0.82	0.71	0.54	0.03	0.00	0.00	2.12
WNW	0.83	0.57	0.35	0.05	0.02	0.00	1.85
NW	0.62	0.58	0.55	0.25	0.07	0.00	2.09
NNW	1.17	0.89	1.11	1.06	0.17	0.00	4.43
TOTALS	29.41	37.43	26.78	4.93	0.30	0.00	100.00

TOTAL NUMBER OF HOURS 8435

C A M S

10

TEXAS CITY
2702 13TH AVENUE NORTH

REGION

7



OZONE (UV PHOTOMETRIC) SUMMARY

TEXAS CITY

LOCATION CODE: 3170002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.16	PPM 08/17/84
SECOND HIGH ONE HOUR AVERAGE	.15	PPM 06/25/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.032	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	9	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.1	%
TOTAL NUMBER OF HOURS	7025	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.16

SULFUR DIOXIDE (PUL FL) SUMMARY

TEXAS CITY

LOCATION CODE: 5170002 AGENCY CODE: F

START DATE: 01/31/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.29	PPM	09/11/84
SECOND HIGH ONE HOUR AVERAGE	.23	PPM	12/29/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.009	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF HOURS	7024		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.29

HIGH 24-HOUR AVERAGE	.08	PPM	10/12/84
SECOND HIGH 24-HOUR AVERAGE	.06	PPM	12/29/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.006	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	%	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	%	
TOTAL NUMBER OF 24-HOUR AVERAGES	292		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.08

HIGH THREE HOUR RUNNING AVERAGE	.20	PPM	12/29/84
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.19	PPM	09/11/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.008	PPM	
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.02	PPM	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	6465		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.20

NITROGEN DIOXIDE(CHLJM) SUMMARY

TEXAS CITY

LOCATION CODE: 5170002 AGENCY CODE: F

START DATE: 06/01/84 END DATE: 12/31/84

			DATE
HIGH ONE HOUR AVERAGE	.07	PPM	12/10/84
SECOND HIGH ONE HOUR AVERAGE	.06	PPM	12/10/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.008	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	4036		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.07

			DATE
HIGH 24-HOUR AVERAGE	.03	PPM	12/08/84
SECOND HIGH 24-HOUR AVERAGE	.02	PPM	12/10/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.003	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	169		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03

OXIDES OF NITROGEN (CL) SUMMARY

TEXAS CITY

LOCATION CODE: 5170002 AGENCY CODE: F

START DATE: 06/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.23	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.23	PPM	11/28/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.012	PPM	11/11/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	4296		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.23

HIGH 24-HOUR AVERAGE	.04	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.04	PPM	12/10/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.007	PPM	12/09/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	181		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.04

RESULTANT WIND SPEED SUMMARY

TEXAS CITY

LOCATION CODE: 5170002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.02	1.50	2.30	1.70	0.21	0.00	6.75
NNE	0.96	2.14	1.87	0.89	0.00	0.01	5.88
NE	0.67	2.42	0.55	0.03	0.01	0.00	3.70
ENE	0.75	2.24	1.43	0.16	0.01	0.00	4.61
E	0.84	2.35	0.97	0.00	0.01	0.00	4.19
ESE	0.57	3.32	1.98	0.20	0.01	0.00	6.10
SE	0.42	2.34	4.44	0.99	0.03	0.00	8.24
SSE	0.33	2.15	4.60	3.20	0.16	0.00	10.46
S	0.40	1.65	10.04	3.80	0.10	0.03	16.04
SSW	0.21	1.46	1.95	1.09	0.03	0.05	4.82
SW	0.25	1.97	2.93	0.69	0.05	0.00	5.89
WSW	0.47	2.07	1.28	0.00	0.00	0.00	3.82
W	1.17	2.07	0.47	0.03	0.00	0.00	3.75
WNW	1.38	2.24	0.42	0.13	0.00	0.00	4.18
NW	1.65	1.66	0.74	0.49	0.13	0.01	4.70
NNW	1.61	1.61	1.06	1.55	0.62	0.15	6.62
TOTALS	12.77	33.25	37.09	15.00	1.43	0.26	100.00

TOTAL NUMBER OF HOURS 5933

C A M S 11

CLUTE (FREEPORT)
COMMERCE STREET AT COBB FIELD

REG:ION 7



OZONE (UV PHOTOMETRIC) SUMMARY

CLUTE(FREEPORT)

LOCATION CODE: 0950303 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 10/29/84

		DATE
HIGH ONE HOUR AVERAGE	.14	PPM 01/26/84
SECOND HIGH ONE HOUR AVERAGE	.13	PPM 07/23/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.026	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	3	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	6212	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.14

NITROGEN DIOXIDE(CHLUM) SUMMARY

CLUTE(FREEPORT)

LOCATION CODE: 0950003 AGENCY CODE: F

START DATE: 05/24/84 END DATE: 10/29/84

HIGH ONE HOUR AVERAGE	.04	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.04	PPM	10/28/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.038	PPM	10/04/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	2630		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.04

HIGH 24-HOUR AVERAGE	.01	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.01	PPM	10/26/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.003	PPM	10/21/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.00	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	107		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01

NITRIC OXIDE (CHLUM) SUMMARY

CLUTE(FREEPORT)

LOCATION CODE: 0950003 AGENCY CODE: F

START DATE: 05/24/84 END DATE: 10/29/84

			DATE
HIGH ONE HOUR AVERAGE	.18	PPM	10/21/84
SECOND HIGH ONE HOUR AVERAGE	.18	PPM	10/21/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.010	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF HOURS	2769		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.18

			DATE
HIGH 24-HOUR AVERAGE	.05	PPM	10/21/84
SECOND HIGH 24-HOUR AVERAGE	.03	PPM	10/20/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.006	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	113		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.05

OXIDES OF NITROGEN (CL) SUMMARY

CLUTE(FRESPORT)

LOCATION CODE: 0950003 AGENCY CODE: F

START DATE: 05/24/84 END DATE: 10/29/84

HIGH ONE HOUR AVERAGE	.41	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.17	PPM	05/27/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.018	PPM	07/16/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF HOURS	2603		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.41

HIGH 24-HOUR AVERAGE	.05	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.05	PPM	10/20/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.013	PPM	08/06/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	107		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.05

RESULTANT WIND SPEED SUMMARY

CLUTE(FREEPORT)

LOCATION CODE: 0950303 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.47	2.29	2.46	0.30	0.00	0.00	6.54
NNE	1.87	3.72	2.52	0.12	0.00	0.00	8.24
NE	1.70	2.59	1.31	0.02	0.00	0.00	5.65
ENE	1.56	1.83	1.65	0.13	0.00	0.00	5.18
E	1.24	2.17	1.90	0.46	0.00	0.00	5.78
ESE	0.74	2.70	2.19	0.24	0.01	0.00	5.90
SE	0.69	4.58	5.69	1.04	0.02	0.00	12.05
SSE	0.19	3.60	9.00	2.40	0.01	0.00	14.21
S	0.17	2.12	7.45	1.76	0.07	0.00	11.59
SSW	0.17	2.05	5.39	0.76	0.00	0.00	8.38
SW	0.21	0.97	0.81	0.24	0.00	0.00	2.25
WSW	0.43	0.76	0.29	0.04	0.00	0.00	1.54
W	0.87	1.01	0.29	0.00	0.00	0.00	2.18
WNW	1.31	0.96	0.25	0.07	0.01	0.00	2.64
NW	1.11	0.91	0.98	0.47	0.17	0.00	3.66
NNW	0.93	1.33	1.17	0.28	0.00	0.00	3.72
TOTALS	14.75	33.65	42.44	8.43	0.30	0.00	100.00

TOTAL NUMBER OF HOURS 8194

C A M S 15

CHANNELVIEW
ALICE B. JOHNSON JR. HIGH SCHOOL

REGION 7



OZONE (UV PHOTOMETRIC) SUMMARY

CHANNELVIEW

LOCATION CODE: 2330026 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.22	PPH 01/28/84
SECOND HIGH ONE HOUR AVERAGE	.21	PPH 04/11/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.027	PPH
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPH
NUMBER OF HOURS EXCEEDING 0.12 PPM	25	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.3	%
TOTAL NUMBER OF HOURS	7678	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.06	0.22

NITROGEN DIOXIDE(CHLJM) SUMMARY

CHANNELVIEW

LOCATION CODE: 2330926 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.10	PPM	DATE 06/06/84
SECOND HIGH ONE HOUR AVERAGE	.08	PPM	01/04/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.011	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	7471		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.10

HIGH 24-HOUR AVERAGE	.03	PPM	DATE 12/08/84
SECOND HIGH 24-HOUR AVERAGE	.03	PPM	02/01/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.006	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	323		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.03

NITRIC OXIDE (CHLUM) SUMMARY

CHANNELVIEW

LOCATION CODE: 2330026 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.27	PPM	DATE 02/07/84
SECOND HIGH ONE HOUR AVERAGE	.25	PPM	01/26/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.006	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF HOURS	7680		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.27

HIGH 24-HOUR AVERAGE	.05	PPM	DATE 02/22/84
SECOND HIGH 24-HOUR AVERAGE	.05	PPM	12/10/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.003	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	332		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.05

OXIDES OF NITROGEN (CL) SUMMARY

CHANNELVIEW

LOCATION CODE: 2330026 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.32	PPM	DATE 01/26/84
SECOND HIGH ONE HOUR AVERAGE	.29	PPM	02/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.018	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF HOURS	7674		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.32

HIGH 24-HOUR AVERAGE	.08	PPM	DATE 02/22/84
SECOND HIGH 24-HOUR AVERAGE	.07	PPM	12/10/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.013	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	331		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.08

RESULTANT WIND SPEED SUMMARY

CHANNELVIEW

LOCATION CODE: 2330026 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	2.03	1.47	1.30	0.23	0.00	0.00	5.05
NNE	0.87	1.42	2.25	0.39	0.00	0.00	4.95
NE	0.64	1.33	2.57	0.29	0.00	0.00	4.84
ENE	1.08	1.78	2.51	0.04	0.00	0.00	5.43
E	1.82	2.21	1.30	0.07	0.00	0.00	5.41
ESE	1.94	1.99	0.46	0.02	0.00	0.00	4.43
SE	1.77	2.06	0.57	0.01	0.00	0.00	4.43
SSE	2.24	7.49	5.63	0.17	0.00	0.00	15.55
S	3.43	8.89	3.70	0.07	0.00	0.00	16.11
SSW	2.70	3.02	0.77	0.00	0.00	0.00	6.50
SW	4.26	3.11	0.46	0.00	0.00	0.00	7.84
WSW	2.68	2.11	0.86	0.02	0.00	0.00	5.69
W	1.14	1.09	0.57	0.01	0.00	0.00	2.82
WNW	1.06	0.58	0.46	0.07	0.00	0.00	2.18
NW	1.40	0.76	0.46	0.13	0.07	0.00	2.88
NNW	1.64	0.94	0.95	0.71	0.12	0.00	4.39
TOTALS	30.78	40.34	24.91	2.32	0.19	0.00	100.00

TOTAL NUMBER OF HOURS 8552

C A M S 18

BONNETTE JR. HIGH SCHOOL
1102 WEST PASADENA BLVD.
DEER PARK

REG:ION 7



OZONE (UV PHOTOMETRIC) SUMMARY

DEER PARK

LOCATION CODE: 1370003 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.20	PPM 08/14/84
SECOND HIGH ONE HOUR AVERAGE	.20	PPM 08/16/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.029	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	35	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.5	%
TOTAL NUMBER OF HOURS	7165	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.20

SULFUR DIOXIDE (PUL FL) SUMMARY

DEER PARK

LOCATION CODE: 1370003 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.09	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.07	PPM	10/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.004	PPM	01/16/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOUPS	7191		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.09

HIGH 24-HOUR AVERAGE	.01	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.01	PPM	11/23/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.002	PPM	11/22/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.00	PPM	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	X	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	X	
TOTAL NUMBER OF 24-HOUR AVERAGES	310		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01

HIGH THREE HOUR RUNNING AVERAGE	.06	PPM	DATE
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.06	PPM	01/16/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.003	PPM	08/12/84
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.01	PPM	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	6616		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.06

NITROGEN DIOXIDE(CHLUM) SUMMARY

DEER PARK

LOCATION CODE: 1370903 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 05/30/84

HIGH ONE HOUR AVERAGE	.24	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.09	PPM	01/24/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.015	PPM	02/22/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF HOURS	2805		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.24

HIGH 24-HOUR AVERAGE	.04	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.04	PPM	01/27/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.010	PPM	02/01/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	120		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.04

NITRIC OXIDE (CHLUM) SUMMARY

DEER PARK

LOCATION CODE: 1370003 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 05/30/84

HIGH ONE HOUR AVERAGE	.27	PPM	02/04/84
SECOND HIGH ONE HOUR AVERAGE	.26	PPM	02/04/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.008	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF HOURS	2783		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.27

HIGH 24-HOUR AVERAGE	.09	PPM	02/22/84
SECOND HIGH 24-HOUR AVERAGE	.07	PPM	02/04/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.004	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	119		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.09

OXIDES OF NITROGEN (CL) SUMMARY

DEER PARK

LOCATION CODE: 1370003 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 05/30/84

HIGH ONE HOUR AVERAGE	.44	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.32	PPM	01/26/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.023	PPM	02/04/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.03	PPM	
TOTAL NUMBER OF HOURS	2855		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.44

HIGH 24-HOUR AVERAGE	.13	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.10	PPM	02/22/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.019	PPM	02/04/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	121		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.13

RESULTANT WIND SPEED SUMMARY

JEER PARK

LOCATION CODE: 1370003 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.68	0.68	1.30	1.07	0.02	0.00	3.75
NNE	0.58	1.69	4.90	0.97	0.00	0.00	8.14
NE	0.85	2.31	1.58	0.23	0.00	0.00	4.97
ENE	0.88	1.75	1.21	0.14	0.00	0.00	4.00
E	0.97	2.00	1.93	0.20	0.00	0.00	5.11
ESE	0.80	2.55	3.53	0.49	0.01	0.00	7.40
SE	1.31	2.94	3.41	0.51	0.00	0.00	8.18
SSE	1.10	2.86	3.75	1.10	0.03	0.00	8.87
S	1.31	2.80	2.29	0.64	0.00	0.00	7.56
SSW	2.16	2.50	1.65	0.24	0.00	0.00	6.56
SW	2.34	3.12	1.30	0.03	0.00	0.00	6.80
WSW	2.56	3.78	2.57	0.24	0.00	0.00	9.16
W	1.58	2.41	1.45	0.19	0.00	0.00	5.65
WNW	0.99	0.68	0.65	0.32	0.03	0.00	2.71
NW	0.82	1.25	1.26	0.52	0.00	0.00	3.86
NNW	0.87	1.72	3.21	1.07	0.00	0.00	6.88
TOTALS	20.36	35.10	36.07	8.02	0.10	0.00	100.00

TOTAL NUMBER OF HOURS 8224

C A M S 20

SEABROOK
HOUSTON, SOUTHEAST

REGION 7



OZONE (UV PHOTOMETRIC) SUMMARY

SEABROOK (HOUSTON SE)

LOCATION CODE: 4715001 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.25	PPM 08/17/84
SECOND HIGH ONE HOUR AVERAGE	.22	PPM 08/17/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.034	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	27	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.4	%
TOTAL NUMBER OF HOURS	7491	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.26

NITROGEN DIOXIDE(CHLUM) SUMMARY

SEABROOK (HOUSTON SE)

LOCATION CODE: 4715001 AGENCY CODE: F

START DATE: 01/02/84 END DATE: 12/20/84

			DATE
HIGH ONE HOUR AVERAGE	.06	PPM	07/26/84
SECOND HIGH ONE HOUR AVERAGE	.06	PPM	01/28/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.008	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	7192		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.06

			DATE
HIGH 24-HOUR AVERAGE	.03	PPM	02/01/84
SECOND HIGH 24-HOUR AVERAGE	.03	PPM	01/28/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.004	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	310		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.03

OXIDES OF NITROGEN (CL) SUMMARY

SEABROOK (HDUST)N SE)

LOCATION CODE: 4715001 AGENCY CODE: F

START DATE: 01/02/84 END DATE: 12/20/84

HIGH ONE HOUR AVERAGE	.19	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.18	PPM	11/28/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.012	PPM	02/04/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	7203		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.19

HIGH 24-HOUR AVERAGE	.07	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.06	PPM	02/04/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.008	PPM	02/22/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	311		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.07

RESULTANT WIND SPEED SUMMARY

SEABROOK (HOUSTON SE)

LOCATION CODE: 6715001 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.33	1.57	3.14	0.71	0.01	0.00	6.78
NNE	0.80	1.80	2.34	0.66	0.00	0.00	5.62
NE	0.40	1.41	2.36	0.07	0.00	0.00	4.26
ENE	0.26	0.95	2.10	0.33	0.00	0.00	3.65
E	0.34	2.05	2.05	0.16	0.00	0.00	4.62
ESE	0.45	3.17	2.94	0.03	0.00	0.00	6.61
SE	0.49	4.48	7.49	0.49	0.01	0.00	12.98
SSE	0.61	2.81	5.32	0.90	0.02	0.00	9.68
S	0.95	5.79	8.43	2.61	0.11	0.00	17.91
SSW	1.46	3.95	2.15	0.49	0.06	0.00	8.12
SW	1.35	2.05	0.43	0.01	0.00	0.00	3.85
WSW	0.71	1.06	0.40	0.00	0.00	0.00	2.19
W	0.75	0.76	0.42	0.01	0.00	0.00	1.95
WNW	1.04	0.87	0.42	0.11	0.01	0.00	2.46
NW	1.53	0.66	0.73	0.87	0.40	0.00	4.22
NNW	1.67	0.90	1.11	0.95	0.08	0.00	4.73
TOTALS	14.22	34.36	41.91	8.47	0.73	0.00	100.00

TOTAL NUMBER OF HOURS 8072

C A M S

22

HOUSTON, MANCHESTER
7935 $\frac{1}{2}$ ADRIEN

REG:ON

7



SULFUR DIOXIDE (PUL FL) SUMMARY

HOUSTON (MANCHESTER)

LOCATION CODE: 2560059 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

			DATE
HIGH ONE HOUR AVERAGE	.17	PPM	04/30/84
SECOND HIGH ONE HOUR AVERAGE	.16	PPM	01/15/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.007	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF HOURS	5195		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.17

			DATE
HIGH 24-HOUR AVERAGE	.05	PPM	04/30/84
SECOND HIGH 24-HOUR AVERAGE	.05	PPM	01/15/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.005	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	%	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	%	
TOTAL NUMBER OF 24-HOUR AVERAGES	222		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05

			DATE
HIGH THREE HOUR RUNNING AVERAGE	.13	PPM	01/14/84
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.13	PPM	01/15/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.006	PPM	
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.01	PPM	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	4726		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.13

RESULTANT WIND SPEED SUMMARY

HOUSTON (MANCHESTER)

LOCATION CODE: 2560959 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED) CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.49	2.22	1.91	0.05	0.00	0.00	5.70
NNE	1.09	3.44	2.53	0.00	0.00	0.00	7.07
NE	1.13	3.90	2.93	0.03	0.00	0.00	7.99
ENE	0.81	2.99	2.32	0.00	0.00	0.00	6.13
E	0.38	1.01	0.50	0.12	0.00	0.00	2.03
ESE	0.43	1.01	0.73	0.07	0.00	0.00	2.26
SE	0.54	2.29	1.33	0.03	0.00	0.00	4.20
SSE	2.10	6.59	2.24	0.04	0.00	0.00	10.98
S	4.92	8.90	3.24	0.03	0.00	0.00	17.10
SSW	2.88	7.89	3.64	0.03	0.00	0.00	14.46
SW	2.81	2.66	0.68	0.00	0.00	0.00	6.37
WSW	3.04	1.27	0.23	0.00	0.00	0.00	4.55
W	2.05	0.71	0.03	0.00	0.00	0.00	2.80
WNW	1.17	0.95	0.09	0.00	0.00	0.00	2.22
NW	1.25	0.39	0.12	0.04	0.00	0.00	1.83
NNW	1.05	1.48	1.08	0.33	0.00	0.00	3.96
TOTALS	27.21	47.98	23.68	0.82	0.00	0.00	100.00

TOTAL NUMBER OF HOURS 6279

C A M S

24

BAYTOWN
MCELROY PARK
DECKER LANE

REGION

7



SULFUR DIOXIDE (PUL FL) SUMMARY

BAYTOWN

LOCATION CODE: 0320006 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/11/84

HIGH ONE HOUR AVERAGE	.28	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.27	PPM	01/29/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.005	PPM	05/01/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	7483		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.28

HIGH 24-HOUR AVERAGE	.04	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.03	PPM	03/02/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.002	PPM	03/04/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	%	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	%	
TOTAL NUMBER OF 24-HOUR AVERAGES	328		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.04

HIGH THREE HOUR RUNNING AVERAGE	.17	PPM	DATE
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.14	PPM	01/29/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.004	PPM	12/09/84
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.01	PPM	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	6924		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.19

RESULTANT WIND SPEED SUMMARY

BAYTOWN

LOCATION CODE: 0320004 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	2.34	2.98	2.64	0.17	0.00	0.00	8.14
NNE	3.87	4.44	1.34	0.02	0.00	0.00	9.68
NE	3.34	2.49	0.15	0.00	0.00	0.00	5.98
ENE	1.96	1.65	0.08	0.00	0.00	0.00	3.70
E	1.85	1.57	0.15	0.00	0.00	0.00	3.58
ESE	1.45	3.30	0.45	0.00	0.00	0.00	5.20
SE	0.49	6.25	5.30	0.42	0.00	0.00	12.48
SSE	0.35	2.76	10.68	4.35	0.02	0.00	18.17
S	0.30	0.87	4.24	2.00	0.05	0.00	7.48
SSW	0.29	2.01	3.00	0.55	0.02	0.00	5.89
SW	0.59	4.07	0.99	0.01	0.00	0.00	5.77
WSW	0.98	1.28	0.29	0.00	0.00	0.00	2.56
W	0.68	0.95	0.37	0.03	0.00	0.00	2.04
WNW	0.64	0.74	0.26	0.03	0.03	0.00	1.77
NW	0.84	0.71	0.69	0.40	0.19	0.00	2.86
NNW	1.35	1.22	1.28	0.55	0.01	0.00	4.45
TOTALS	21.50	37.36	31.97	8.63	0.34	0.00	100.00

TOTAL NUMBER OF HOURS 8620

C A M S

26

DYESS PARK
16822 KITZMAN
NORTHWEST HARRIS COUNTY

REGION

7



OZONE (UV PHOTOMETRIC) SUMMARY

N W HARRIS CNTY

LOCATION CODE: 2330029 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.18	PPH 10/02/84
SECOND HIGH ONE HOUR AVERAGE	.18	PPH 06/15/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.030	PPH
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPH
NUMBER OF HOURS EXCEEDING 0.12 PPM	25	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.3	%
TOTAL NUMBER OF HOURS	7395	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.18

RESULTANT WIND SPEED SUMMARY

N W HARRIS CNTY

LOCATION CODE: 2330029 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	2.14	2.19	2.77	1.39	0.01	0.01	8.52
NNE	2.09	3.01	2.10	0.40	0.01	0.00	7.62
NE	2.17	2.24	1.44	0.02	0.00	0.00	5.89
ENE	2.17	1.96	0.75	0.03	0.00	0.00	4.93
E	1.73	2.12	0.99	0.02	0.00	0.00	4.88
ESE	1.34	2.31	1.46	0.21	0.00	0.00	5.34
SE	1.70	2.69	2.43	0.54	0.03	0.00	7.40
SSE	1.32	4.98	6.37	2.35	0.13	0.00	15.18
S	1.56	3.53	5.47	1.80	0.07	0.00	12.45
SSW	1.07	2.82	2.38	1.02	0.07	0.00	7.36
SW	1.08	1.90	1.34	0.34	0.01	0.00	4.68
WSW	1.09	0.94	0.45	0.12	0.00	0.00	2.62
W	0.68	0.57	0.30	0.03	0.00	0.00	1.59
WNW	0.85	0.69	0.18	0.05	0.05	0.00	1.83
NW	1.19	0.93	0.55	0.41	0.17	0.00	3.27
NNW	1.22	0.91	1.68	1.17	0.54	0.05	5.59
TOTALS	23.46	33.87	30.73	9.96	1.13	0.06	100.00

TOTAL NUMBER OF HOURS 7938

C A M S

31

PASADENA
702 WEST HARRIS

REGION

7



SULFUR DIOXIDE (PUL FL) SUMMARY

PASADENA

LOCATION CODE: 4060005 AGENCY CODE: F

START DATE: 01/03/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.20	PPM	01/24/84
SECOND HIGH ONE HOUR AVERAGE	.17	PPM	01/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.005	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	6720		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.20

HIGH 24-HOUR AVERAGE	.03	PPM	01/24/84
SECOND HIGH 24-HOUR AVERAGE	.02	PPM	02/28/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.002	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.00	PPM	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	%	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	%	
TOTAL NUMBER OF 24-HOUR AVERAGES	291		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03

HIGH THREE HOUR RUNNING AVERAGE	.11	PPM	01/24/84
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.07	PPM	08/17/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.004	PPM	
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.01	PPM	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	6197		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.11

RESULTANT WIND SPEED SUMMARY

PASADENA

LOCATION CODE: 4060005 AGENCY CODE: F

START DATE: 01/03/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.70	2.43	4.73	0.57	0.00	0.00	8.45
NNE	0.67	2.38	2.05	0.11	0.00	0.00	5.21
NE	1.17	2.42	1.07	0.00	0.00	0.00	4.66
ENE	0.74	0.97	0.30	0.02	0.00	0.00	2.05
E	1.00	1.14	0.50	0.08	0.00	0.00	2.74
ESE	1.03	2.09	1.23	0.05	0.00	0.00	4.42
SE	2.07	4.06	4.69	0.37	0.00	0.00	11.21
SSE	3.53	7.05	6.41	0.66	0.01	0.00	17.77
S	3.36	6.67	7.29	1.54	0.01	0.00	18.89
SSW	1.72	2.89	1.92	0.39	0.00	0.00	6.94
SW	1.76	1.99	0.67	0.00	0.00	0.00	4.43
WSW	1.00	1.06	0.08	0.00	0.00	0.00	2.14
W	0.64	0.92	0.39	0.01	0.00	0.00	1.98
WNW	0.30	1.07	0.84	0.06	0.02	0.00	2.31
NW	0.30	0.68	1.22	0.78	0.16	0.00	3.16
NNW	0.44	0.81	1.43	0.31	0.00	0.00	3.00
TOTALS	20.58	38.69	34.91	5.01	0.22	0.00	100.00

TOTAL NUMBER OF HOURS 7261

C A M S

5

DALLAS, NORTH
12532 NUESTRA
EWELL WALKER MIDDLE SCHOOL

REGION

8



ZONE (UV PHOTOMETRIC) SUMMARY

DALLAS, NORTH

LOCATION CODE: 1310045 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/29/84

		DATE
HIGH ONE HOUR AVERAGE	.16	PPM 05/27/84
SECOND HIGH ONE HOUR AVERAGE	.16	PPM 06/27/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.030	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	20	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.2	%
TOTAL NUMBER OF HOURS	8018	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.16

NITROGEN DIOXIDE(CHLJM) SUMMARY

DALLAS, NORTH

LOCATION CODE: 1310045 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.10	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.08	PPM	08/18/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.016	PPM	01/24/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	7776		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.10

HIGH 24-HOUR AVERAGE	.04	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.04	PPM	02/13/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.011	PPM	01/26/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	341		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.04

NITRIC OXIDE (CHLUM) SUMMARY

DALLAS, NORTH

LOCATION CODE: 1310045 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.56	PPM	DATE 11/06/84
SECOND HIGH ONE HOUR AVERAGE	.48	PPM	11/06/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.018	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.03	PPM	
TOTAL NUMBER OF HOURS	7747		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.56

HIGH 24-HOUR AVERAGE	.13	PPM	DATE 11/06/84
SECOND HIGH 24-HOUR AVERAGE	.11	PPM	01/25/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.015	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	341		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.13

OXIDES OF NITROGEN (CL) SUMMARY

DALLAS, NORTH

LOCATION CODE: 1310045 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.59	PPM 11/06/84
SECOND HIGH ONE HOUR AVERAGE	.51	PPM 11/06/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.034	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.06	PPM
TOTAL NUMBER OF HOURS	7787	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.06	0.59

		DATE
HIGH 24-HOUR AVERAGE	.16	PPM 11/06/84
SECOND HIGH 24-HOUR AVERAGE	.15	PPM 01/25/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.029	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	342	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.16

RESULTANT WIND SPEED SUMMARY

DALLAS, NORTH

LOCATION CODE: 1310045 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.21	3.19	2.48	0.75	0.03	0.00	7.68
NNE	1.43	2.93	1.18	0.17	0.00	0.00	5.73
NE	2.15	1.75	0.28	0.00	0.00	0.00	4.20
ENE	2.64	1.47	0.00	0.00	0.00	0.00	4.12
E	3.33	1.27	0.01	0.00	0.00	0.00	4.62
ESE	3.07	0.91	0.00	0.00	0.00	0.00	3.98
SE	3.29	1.30	0.03	0.00	0.00	0.00	4.63
SSE	2.76	1.36	0.17	0.00	0.00	0.00	4.30
S	2.92	4.88	1.31	0.05	0.00	0.00	9.18
SSW	1.84	6.72	5.55	0.63	0.01	0.00	14.78
SW	1.36	5.12	6.66	1.88	0.03	0.00	15.07
WSW	1.46	2.88	1.83	0.30	0.00	0.00	6.49
W	1.01	0.90	0.35	0.10	0.01	0.00	2.38
WNW	0.79	0.75	0.59	0.11	0.01	0.00	2.27
NW	0.68	0.77	1.54	0.65	0.01	0.00	3.66
NNW	0.79	1.91	2.29	1.00	0.22	0.00	6.24
TOTALS	30.92	38.19	24.33	5.69	0.34	0.00	100.00

TOTAL NUMBER OF HOURS 8760

C A M S

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FORT WORTH, NORTHWEST
MEACHAM FIELD
ROSS AVENUE BETWEEN LONG AVENUE AND 34TH

REG:ION

8



OZONE (UV PHOTOMETRIC) SUMMARY

FT NORTH, NORTHWEST

LOCATION CODE: 1880302 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.17	PPM 07/31/84
SECOND HIGH ONE HOUR AVERAGE	.16	PPM 07/23/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.031	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	35	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.5	%
TOTAL NUMBER OF HOURS	7574	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.17

CARBON MONOXIDE (NDT?) SUMMARY

FT WORTH, NORTHWEST

LOCATION CODE: 1880002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	9.9	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	7.0	PPM	02/14/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.57	PPM	02/14/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.6	PPM	
NUMBER OF HOURS EXCEEDING 35 PPM	0		
PERCENT OF HOURS EXCEEDING 35 PPM	.0	%	
TOTAL NUMBER OF HOURS	7601		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.9	1.2	9.9

DATE

HIGH 8-HOUR RUNNING AVERAGE	4.0	PPM	DATE
SECOND HIGH 8-HOUR RUNNING AVERAGE	NONOVERLAPPING 3.5	PPM	02/14/84
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	.52	PPM	11/30/84
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	.5	PPM	
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	7751		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.1	4.0

NITROGEN DIOXIDE(CHLUM) SUMMARY

FT WORTH, NORTHWEST

LOCATION CODE: 1880002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.09	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.09	PPM	12/10/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.015	PPM	02/13/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	7395		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.09

HIGH 24-HOUR AVERAGE	.04	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.04	PPM	12/10/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.010	PPM	09/05/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	318		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.04

NITRIC OXIDE (CHLUM) SUMMARY

FT WORTH, NORTHWEST

LOCATION CODE: 1880002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.43	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.46	PPM	02/14/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.011	PPM	02/17/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.03	PPM	
TOTAL NUMBER OF HOURS	7728		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.49

HIGH 24-HOUR AVERAGE	.09	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.09	PPM	02/17/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.007	PPM	02/14/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	333		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.09

OXIDES OF NITROGEN (CL) SUMMARY

FT WORTH, NORTHWEST

LOCATION CODE: 1880002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.57	PPM 02/14/84
SECOND HIGH ONE HOUR AVERAGE	.54	PPM 02/17/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.027	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.04	PPM
TOTAL NUMBER OF HOURS	7430	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.04	0.06	0.57

		DATE
HIGH 24-HOUR AVERAGE	.13	PPM 02/14/84
SECOND HIGH 24-HOUR AVERAGE	.12	PPM 02/17/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.022	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	319	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.05	0.13

RESULTANT WIND SPEED SUMMARY

FT MDRPH, NORTHWEST

LOCATION CODE: 1880002 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.72	1.36	2.33	1.34	0.43	0.10	6.29
NNE	0.66	1.79	2.39	0.96	0.06	0.02	5.91
NE	0.88	1.86	1.29	0.08	0.00	0.00	4.12
ENE	0.95	2.09	0.66	0.00	0.00	0.00	3.72
E	1.37	2.34	0.51	0.00	0.00	0.00	4.23
ESE	1.50	3.16	0.61	0.00	0.00	0.00	5.28
SE	1.48	4.17	1.06	0.11	0.00	0.00	6.83
SSE	0.89	3.95	5.54	0.83	0.00	0.00	11.23
S	1.00	3.82	8.91	2.95	0.08	0.00	16.77
SSW	0.87	2.89	5.28	1.49	0.03	0.00	10.57
SW	0.68	1.92	2.14	0.47	0.00	0.00	5.23
WSW	0.61	0.60	0.58	0.11	0.01	0.00	1.93
W	0.72	0.39	0.44	0.25	0.04	0.02	1.88
WNW	0.64	0.74	0.47	0.50	0.09	0.00	2.46
NW	1.02	1.60	1.24	1.51	0.34	0.02	5.77
NNW	0.79	1.57	2.26	1.62	0.69	0.46	7.41
TOTALS	14.86	34.34	35.77	12.28	1.81	0.64	100.00

TOTAL NUMBER OF HOURS 8573



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FORT WORTH, DOWNTOWN
100 NORTH PECAN

REG:ION

8



CARBON MONOXIDE (NDIR) SUMMARY

FORT WORTH, DOWNTOWN

LOCATION CODE: 1880003 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	9.8	PPM	DATE 11/06/84
SECOND HIGH ONE HOUR AVERAGE	9.7	PPM	DATE 12/10/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	1.07	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	1.1	PPM	
NUMBER OF HOURS EXCEEDING 35 PPM	0		
PERCENT OF HOURS EXCEEDING 35 PPM	.0	%	
TOTAL NUMBER OF HOURS	6906		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.1	0.3	0.5	0.6	0.8	1.0	1.3	1.6	2.3	9.8

DATE

HIGH 8-HOUR RUNNING AVERAGE	6.1	PPM	DATE 11/06/84
SECOND HIGH 8-HOUR RUNNING AVERAGE NONOVERLAPPING	5.8	PPM	DATE 10/26/84
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	1.01	PPM	
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	.8	PPM	
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	7017		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.1	0.4	0.5	0.7	0.8	1.0	1.2	1.6	2.1	6.1

NITROGEN DIOXIDE(CHLUM) SUMMARY

FORT WORTH, DOWNTOWN

LOCATION CODE: 1880003 AGENCY CODE: F

START DATE: 04/27/84 END DATE: 09/30/84

		DATE
HIGH ONE HOUR AVERAGE	.22	PPM 05/14/84
SECOND HIGH ONE HOUR AVERAGE	.09	PPM 04/27/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.022	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
TOTAL NUMBER OF HOURS	3100	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.22

		DATE
HIGH 24-HOUR AVERAGE	.04	PPM 09/20/84
SECOND HIGH 24-HOUR AVERAGE	.04	PPM 09/19/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.016	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	132	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04

NITRIC OXIDE (CHLUM) SUMMARY

FORT WORTH, DOWNTOWN

LOCATION CODE: 1880003 AGENCY CODE: F

START DATE: 04/27/84 END DATE: 09/30/84

HIGH ONE HOUR AVERAGE	.32	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.24	PPM	09/05/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.022	PPM	07/23/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.03	PPM	
TOTAL NUMBER OF HOURS	3146		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.32

HIGH 24-HOUR AVERAGE	.09	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.07	PPM	05/01/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.016	PPM	09/05/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	135		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.08

OXIDES OF NITROGEN (CL) SUMMARY

FORT WORTH, DOWNTOWN

LOCATION CODE: 1880003 AGENCY CODE: F

START DATE: 04/27/84 END DATE: 09/30/84

		DATE
HIGH ONE HOUR AVERAGE	.36	PPM 09/05/84
SECOND HIGH ONE HOUR AVERAGE	.33	PPM 07/23/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.043	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.04	PPM
TOTAL NUMBER OF HOURS	3148	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.09	0.36

		DATE
HIGH 24-HOUR AVERAGE	.12	PPM 05/01/84
SECOND HIGH 24-HOUR AVERAGE	.11	PPM 09/20/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.037	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	135	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.07	0.12

RESULTANT WIND SPEED SUMMARY

FORT WORTH, DOWNTOWN

LOCATION CODE: 1880303 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.34	2.40	0.79	0.00	0.00	0.00	4.55
NNE	1.33	1.51	0.50	0.00	0.00	0.00	3.35
NE	1.33	1.87	0.48	0.00	0.00	0.00	3.69
ENE	1.45	1.73	0.51	0.00	0.00	0.00	3.70
E	2.45	3.64	0.55	0.00	0.00	0.00	6.65
ESE	2.38	6.32	1.11	0.00	0.00	0.00	9.81
SE	1.29	10.53	3.85	0.08	0.00	0.00	15.76
SSE	0.78	8.79	5.67	0.26	0.00	0.00	15.53
S	0.69	3.73	0.63	0.00	0.00	0.00	5.05
SSW	0.87	1.45	0.14	0.00	0.00	0.00	2.47
SW	0.97	2.34	0.14	0.00	0.00	0.00	3.46
WSW	0.32	1.70	0.29	0.05	0.00	0.00	2.87
W	1.74	2.12	0.66	0.00	0.00	0.00	4.54
WNW	1.79	1.27	0.63	0.02	0.00	0.00	3.73
NW	1.59	2.21	1.65	0.28	0.00	0.00	5.74
NNW	1.59	3.63	2.79	0.63	0.01	0.00	8.66
TOTALS	22.48	55.32	20.45	1.34	0.01	0.00	100.00

TOTAL NUMBER OF HOURS 8524



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NORTH TARRANT COUNTY
KELLER

REGION

8



OZONE (UV PHOTOMETRIC) SUMMARY

NORTH TARRANT CO.(KELLER)

LOCATION CODE: 5070003 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/30/84

		DATE
HIGH ONE HOUR AVERAGE	.19	PPM 07/31/84
SECOND HIGH ONE HOUR AVERAGE	.18	PPM 07/31/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.035	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	33	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.4	%
TOTAL NUMBER OF HOURS	7718	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.07	0.18

RESULTANT WIND SPEED SUMMARY

NORTH TARRANT CO.(KELLER)

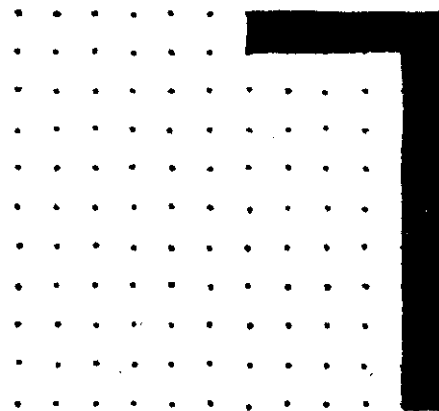
LOCATION CODE: 5070003 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.40	3.89	2.25	0.31	0.00	0.00	6.87
NNE	0.49	2.46	2.02	0.08	0.00	0.00	5.06
NE	0.33	2.40	1.50	0.08	0.00	0.00	4.33
ENE	0.54	2.73	1.84	0.08	0.00	0.00	5.21
E	0.47	3.28	1.79	0.09	0.00	0.00	5.65
ESE	0.46	3.65	0.79	0.00	0.00	0.00	4.91
SE	0.43	4.38	1.55	0.54	0.00	0.00	6.91
SSE	0.30	4.51	3.18	3.75	0.44	0.01	18.20
S	0.36	3.35	8.89	4.04	0.61	0.00	17.27
SSW	0.21	2.31	2.88	0.54	0.01	0.00	5.97
SW	0.31	0.98	0.43	0.09	0.00	0.00	1.82
WSW	0.18	0.61	0.26	0.19	0.04	0.00	1.22
W	0.15	0.64	0.64	0.39	0.04	0.00	1.88
WNW	0.28	1.11	0.99	0.89	0.09	0.00	3.37
NW	0.43	1.67	2.20	1.30	0.32	0.00	5.94
NNW	0.39	2.87	1.65	0.33	0.00	0.00	5.27
TOTALS	5.80	40.90	38.95	12.69	1.58	0.01	100.00

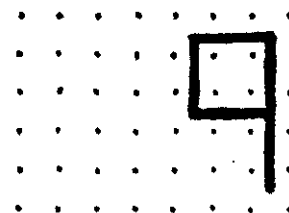
TOTAL NUMBER OF HOURS 8557

C A M S



SAN ANTONIO, NORTH
DELLVIEW PARK
522 PILGRIM STREET

REG:ION





OZONE (UV PHOTOMETRIC) SUMMARY

SAN ANTONIO, NORTH

LOCATION CODE: 4570036 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.13	PPM 08/01/84
SECOND HIGH ONE HOUR AVERAGE	.13	PPM 08/01/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.028	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	2	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	7971	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.13

CARBON MONOXIDE (NDIR) SUMMARY

SAN ANTONIO, NORTH

LOCATION CODE: 4570336 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	13.7	PPM	DATE 12/07/84
SECOND HIGH ONE HOUR AVERAGE	13.0	PPM	01/26/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.30	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.8	PPM	
NUMBER OF HOURS EXCEEDING 35 PPM	0		
PERCENT OF HOURS EXCEEDING 35 PPM	.0	%	
TOTAL NUMBER OF HOURS	8000		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.0	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.4	13.7

									DATE
HIGH 8-HOUR RUNNING AVERAGE	5.1	PPM	01/05/84						
SECOND HIGH 8-HOUR RUNNING AVERAGE NONOVERLAPPING	5.0	PPM	11/09/84						
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	.76	PPM							
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	.6	PPM							
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	8152								

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.1	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.3	5.1

NITRIC OXIDE (CHLUM) SUMMARY

SAN ANTONIO, NORTH

LOCATION CODE: 4570036 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.57	PPM 01/27/84
SECOND HIGH ONE HOUR AVERAGE	.52	PPM 02/13/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.012	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.04	PPM
TOTAL NUMBER OF HOURS	7951	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.57

		DATE
HIGH 24-HOUR AVERAGE	.15	PPM 01/28/84
SECOND HIGH 24-HOUR AVERAGE	.10	PPM 02/04/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.009	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	348	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.15

OXIDES OF NITROGEN (CL) SUMMARY

SAN ANTONIO, NORTH

LOCATION CODE: 4570036 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.64	PPM 01/27/84
SECOND HIGH ONE HOUR AVERAGE	.58	PPM 02/13/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.026	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.04	PPM
TOTAL NUMBER OF HOURS	7915	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.05	0.64

		DATE
HIGH 24-HOUR AVERAGE	.17	PPM 01/28/84
SECOND HIGH 24-HOUR AVERAGE	.13	PPM 02/04/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.021	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	346	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.17

RESULTANT WIND SPEED SUMMARY

SAN ANTONIO, NORTH

LOCATION CODE: 4570036 AGENCY CODE: F

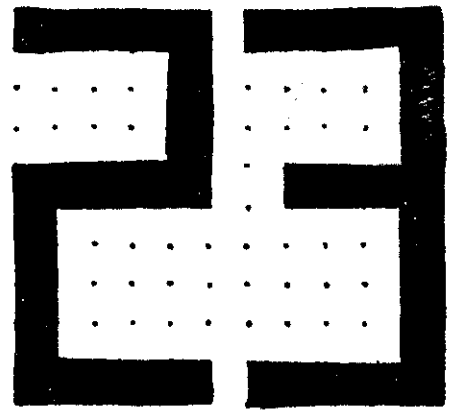
START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	3.52	2.57	0.14	0.00	0.00	0.00	6.25
NNE	3.11	2.83	0.02	0.00	0.00	0.00	5.97
NE	3.49	1.59	0.00	0.00	0.00	0.00	5.09
ENE	2.91	0.95	0.00	0.00	0.00	0.00	3.87
E	2.76	2.10	0.00	0.00	0.00	0.00	4.86
ESE	3.32	3.48	0.03	0.00	0.00	0.00	6.54
SE	3.07	7.90	1.56	0.00	0.00	0.00	12.54
SSE	3.61	12.66	2.54	0.00	0.00	0.00	18.82
S	5.06	6.69	0.26	0.00	0.00	0.00	12.02
SSW	2.32	2.01	0.08	0.00	0.00	0.00	4.92
SW	1.74	1.14	0.08	0.00	0.00	0.00	3.17
WSW	1.30	0.89	0.15	0.00	0.00	0.00	2.35
W	1.45	0.32	0.03	0.02	0.00	0.00	1.84
WNW	1.68	0.31	0.10	0.02	0.00	0.00	2.13
NW	1.85	0.73	0.21	0.02	0.00	0.00	2.83
NNW	2.62	1.94	0.37	0.01	0.00	0.00	4.95
TOTALS	44.29	48.18	5.65	0.08	0.00	0.00	100.00

TOTAL NUMBER OF HOURS 8188

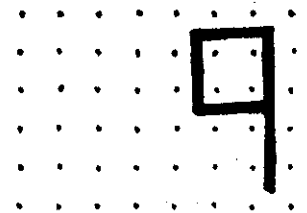


C A M S



SAN ANTONIO, NORTHWEST #2
6655 BLUEBIRD LANE

REG:ION





OZONE (UV PHOTOMETRIC) SUMMARY

SAN ANTONIO, NORTHWEST

LOCATION CODE: 4570032 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.12	PPM 08/01/84
SECOND HIGH ONE HOUR AVERAGE	.12	PPM 05/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.029	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	0	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	8274	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.12

RESULTANT WIND SPEED SUMMARY

SAN ANTONIO, NORTHWEST

LOCATION CODE: 4570032 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	3.50	2.36	1.18	0.06	0.00	0.00	7.11
NNE	2.89	3.63	1.80	0.04	0.00	0.00	8.38
NE	2.76	3.54	1.52	0.00	0.00	0.00	8.03
ENE	2.05	2.02	0.58	0.00	0.00	0.00	4.66
E	1.33	1.87	0.31	0.00	0.00	0.00	3.52
ESE	1.57	2.67	0.45	0.00	0.00	0.00	4.70
SE	2.83	6.68	1.95	0.05	0.00	0.00	11.52
SSE	4.31	11.40	2.71	0.00	0.00	0.00	18.42
S	4.31	8.09	0.52	0.00	0.00	0.00	12.93
SSW	2.02	3.45	0.13	0.00	0.00	0.00	5.62
SW	1.57	1.03	0.02	0.00	0.00	0.00	2.63
WSW	0.66	0.90	0.05	0.00	0.00	0.00	1.61
W	0.74	0.43	0.09	0.00	0.00	0.00	1.26
WNW	0.67	0.19	0.12	0.06	0.00	0.00	1.06
NW	1.01	0.43	0.20	0.06	0.00	0.00	1.72
NNW	2.57	0.88	0.72	0.17	0.00	0.00	4.36
TOTALS	35.05	49.65	12.43	0.47	0.00	0.00	100.00

TOTAL NUMBER OF HOURS 8769

C A M S 27

SAN ANTONIO, DOWNTOWN (OLD POST OFFICE)
6151 EAST HOUSTON

REGION 9



CARBON MONOXIDE (CO) SUMMARY

SAN ANTONIO, DOWNTOWN(OLD POST OFF)

LOCATION CODE: 4570046 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	15.2	PPM	DATE 12/07/84
SECOND HIGH ONE HOUR AVERAGE	13.8	PPM	DATE 02/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	1.00	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	1.3	PPM	
NUMBER OF HOURS EXCEEDING 35 PPM	0		
PERCENT OF HOURS EXCEEDING 35 PPM	.0	X	
TOTAL NUMBER OF HOURS	7965		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.0	0.0	0.2	0.4	0.7	0.9	1.2	1.6	2.4	15.2

DATE

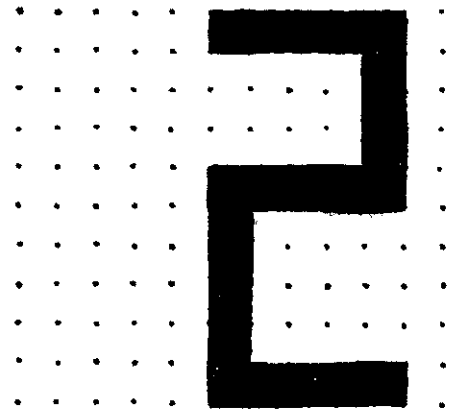
HIGH 8-HOUR RUNNING AVERAGE	9.3	PPM	DATE 12/09/84
SECOND HIGH 8-HOUR RUNNING AVERAGE NONOVERLAPPING	7.6	PPM	DATE 01/27/84
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	.96	PPM	
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	.9	PPM	
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	8040		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.0	0.2	0.4	0.5	0.7	1.0	1.2	1.5	2.0	9.3

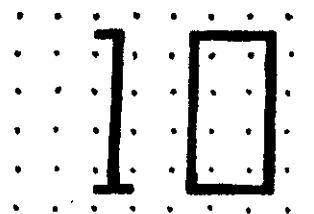


C A M S



BEAUMONT, DOWNTOWN
LAMAR UNIVERSITY

REG:ION





OZONE (UV PHOTOMETRIC) SUMMARY

BEAJMONT, DOWNTOWN(LAMAR)

LOCATION CODE: 0330009 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.17	PPM 01/28/84
SECOND HIGHER ONE HOUR AVERAGE	.15	PPM 09/13/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.027	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	18	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.2	%
TOTAL NUMBER OF HOURS	7471	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.17

CARBON MONOXIDE (NDIR) SUMMARY

BEAJMONT, DOWNTOWNCLAMAR

LOCATION CODE: 0330009 AGENCY CODE: F

START DATE: 01/03/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	5.2	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	4.9	PPM	01/27/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.45	PPM	01/27/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.6	PPM	
NUMBER OF HOURS EXCEEDING 35 PPM	0		
PERCENT OF HOURS EXCEEDING 35 PPM	.0	%	
TOTAL NUMBER OF HOURS	6382		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.9	1.3	5.2

DATE

HIGH 8-HOUR RUNNING AVERAGE	3.0	PPM	DATE
SECOND HIGH 8-HOUR RUNNING AVERAGE NONOVERLAPPING	2.6	PPM	02/03/84
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	.42	PPM	10/29/84
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	.5	PPM	
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	6469		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.0	0.0	0.0	0.1	0.2	0.4	0.6	0.9	1.2	3.0

SULFUR DIOXIDE (PUL FL) SUMMARY

BEAJMONT, DOWNTOWN(LAMAR)

LOCATION CODE: 0330009 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.37	PPM	11/16/84
SECOND HIGH ONE HOUR AVERAGE	.36	PPM	11/16/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.008	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF HOURS	7438		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.37

HIGH 24-HOUR AVERAGE	.07	PPM	11/16/84
SECOND HIGH 24-HOUR AVERAGE	.06	PPM	01/17/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.005	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	X	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	X	
TOTAL NUMBER OF 24-HOUR AVERAGES	322		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.07

HIGH THREE HOUR RUNNING AVERAGE	.33	PPM	11/16/84
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.22	PPM	11/16/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.007	PPM	
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.02	PPM	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	6888		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.33

NITRIC OXIDE (CHLUM) SUMMARY

BEAUMONT, DOWNTOWN(LAMAR)

LOCATION CODE: 0330009 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.19	PPM 02/04/84
SECOND HIGH ONE HOUR AVERAGE	.18	PPM 02/24/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.007	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM
TOTAL NUMBER OF HOURS	6786	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.19

		DATE
HIGH 24-HOUR AVERAGE	.04	PPM 02/04/84
SECOND HIGH 24-HOUR AVERAGE	.03	PPM 02/03/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.004	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	292	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.04

OXIDES OF NITROGEN (CL) SUMMARY

BEAUMONT, DOWNTOWN(LAMAR)

LOCATION CODE: 0330009 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.25	PPM	DATE	01/27/84
SECOND HIGH ONE HOUR AVERAGE	.23	PPM	DATE	02/04/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.020	PPM		
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM		
TOTAL NUMBER OF HOURS	6548			

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.25

HIGH 24-HOUR AVERAGE	.07	PPM	DATE	02/04/84
SECOND HIGH 24-HOUR AVERAGE	.05	PPM	DATE	03/01/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.015	PPM		
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM		
TOTAL NUMBER OF 24-HOUR AVERAGES	281			

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.07

RESULTANT WIND SPEED SUMMARY

BEAUMONT, DOWNTOWN (CLAMAR)

LOCATION CODE: 0330009 AGENCY CODE: F

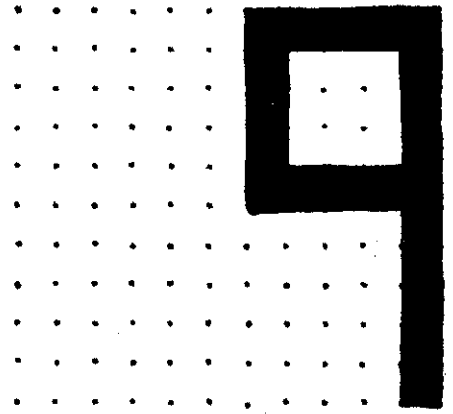
START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.86	1.49	2.13	0.12	0.00	0.00	4.61
NNE	1.19	3.01	2.08	0.00	0.00	0.00	6.29
NE	1.55	3.47	1.13	0.00	0.00	0.00	6.15
ENE	2.27	1.99	0.09	0.00	0.00	0.00	4.36
E	1.19	2.07	0.33	0.00	0.00	0.00	3.60
ESE	0.88	1.74	0.78	0.00	0.00	0.00	3.42
SE	0.93	1.55	0.72	0.00	0.00	0.00	3.21
SSE	1.28	2.67	2.08	0.21	0.00	0.00	6.26
S	2.45	5.21	5.03	1.28	0.09	0.00	14.07
SSW	4.97	5.55	5.71	1.93	0.09	0.00	18.27
SW	4.23	2.50	1.19	0.15	0.00	0.00	8.09
WSW	2.02	0.24	0.28	0.07	0.00	0.00	2.62
W	2.26	0.27	0.10	0.00	0.00	0.00	2.63
WNW	1.65	0.77	0.07	0.05	0.00	0.00	2.57
NW	1.27	1.64	1.05	0.39	0.00	0.00	4.37
NNW	0.87	2.23	2.65	0.43	0.00	0.00	6.20
TOTALS	29.96	36.47	25.47	4.69	0.18	0.00	100.00

TOTAL NUMBER OF HOURS 7772

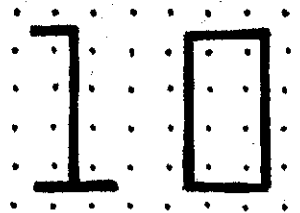


C A M S



WEST ORANGE
2700 AUSTIN AVENUE

REGION





OZONE (UV PHOTOMETRIC) SUMMARY

WEST ORANGE

LOCATION CODE: 5480001 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.20	PPM 01/27/84
SECOND HIGH ONE HOUR AVERAGE	.15	PPM 03/25/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.025	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	3	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	7608	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.20

OXIDES OF NITROGEN (CL) SUMMARY

WEST DRANGE

LOCATION CODE: 5480001 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.22	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.21	PPM	10/18/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.015	PPM	02/04/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF HOURS	6412		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.04	0.22

HIGH 24-HOUR AVERAGE	.07	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.05	PPM	01/27/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.011	PPM	12/08/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	271		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.07

RESULTANT WIND SPEED SUMMARY

WEST ORANGE

LOCATION CODE: 5480001 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.80	1.46	0.19	0.00	0.00	0.00	3.47
NNE	2.09	1.46	0.00	0.00	0.00	0.00	3.55
NE	2.64	1.23	0.00	0.00	0.00	0.00	3.88
ENE	1.90	0.95	0.00	0.00	0.00	0.00	2.86
E	2.09	0.69	0.00	0.00	0.00	0.00	2.79
ESE	3.14	2.44	0.27	0.00	0.00	0.00	5.86
SE	4.20	3.27	0.61	0.00	0.00	0.00	8.08
SSE	2.63	5.63	1.89	0.16	0.00	0.00	10.30
S	4.44	4.65	2.77	0.12	0.00	0.00	12.00
SSW	3.51	4.49	2.74	0.05	0.00	0.00	10.92
SW	3.28	1.50	0.61	0.00	0.00	0.00	5.41
WSW	2.96	0.41	0.07	0.00	0.00	0.00	3.44
W	2.69	0.52	0.15	0.01	0.00	0.00	3.38
WNW	2.43	0.41	0.05	0.01	0.00	0.00	2.91
WW	1.87	0.89	0.56	0.23	0.00	0.00	3.63
NNW	2.20	1.55	0.96	0.15	0.00	0.00	4.88
TOTALS	44.05	31.65	10.93	0.79	0.00	0.00	100.00

TOTAL NUMBER OF HOURS 7023

CAMES

20

PORT ARTHUR, WEST
WHEATLEY SCHOOL
800 EL VISTA

REGION

10



SULFUR DIOXIDE (PUL FL) SUMMARY

PORT ARTHUR WEST

LOCATION CODE: 4190011 AGENCY CODE: F

START DATE: 01/06/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.88	PPH	DATE 11/13/84
SECOND HIGH ONE HOUR AVERAGE	.84	PPH	DATE 04/08/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.017	PPH	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.04	PPH	
TOTAL NUMBER OF HOURS	6558		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.85	0.88

HIGH 24-HOUR AVERAGE	.15	PPH	DATE 03/04/84
SECOND HIGH 24-HOUR AVERAGE	.11	PPH	DATE 03/16/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.013	PPH	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPH	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	4		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.1	%	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	1		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	%	
TOTAL NUMBER OF 24-HOUR AVERAGES	280		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.04	0.15

HIGH THREE HOUR RUNNING AVERAGE	.68	PPH	DATE 04/07/84
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.39	PPH	DATE 03/16/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.015	PPH	
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.03	PPH	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	6070		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.68

RESULTANT WIND SPEED SUMMARY

PORT ARTHUR WEST

LOCATION CODE: 4190011 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	2.31	3.53	1.76	0.17	0.21	0.01	8.01
NNE	1.05	3.08	1.37	0.00	0.01	0.00	5.52
NE	0.59	1.83	0.32	0.00	0.00	0.00	2.84
ENE	0.48	1.75	0.65	0.00	0.00	0.00	2.89
E	0.27	1.05	0.97	0.15	0.00	0.00	2.46
ESE	0.34	0.97	2.63	1.71	0.14	0.00	5.82
SE	0.38	2.16	5.66	4.82	0.51	0.00	14.55
SSE	0.64	2.52	5.54	2.80	0.27	0.00	12.79
S	0.95	5.41	5.65	1.41	0.07	0.00	13.52
SSW	2.01	2.85	1.16	0.13	0.00	0.00	6.17
SW	1.64	1.21	0.08	0.08	0.06	0.00	3.09
WSW	1.33	0.72	0.08	0.00	0.03	0.00	2.18
W	1.28	0.90	0.30	0.08	0.00	0.00	2.58
MNW	1.63	1.58	0.90	0.50	0.12	0.00	4.75
NW	2.19	1.73	1.01	0.43	0.01	0.00	5.98
NNW	2.54	1.91	1.99	0.11	0.02	0.01	6.60
TOTALS	20.42	33.27	32.14	12.45	1.49	0.02	100.00

TOTAL NUMBER OF HOURS 8034

C A M S

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PORT ARTHUR, NORTH
TYRELL SCHOOL
4401 FERNDALIE
GRIFFING PARK

REGION

10



OZONE (UV PHOTOMETRIC) SUMMARY

PORT ARTHUR NORTH

LOCATION CODE: 4190010 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.17	PPM 01/27/84
SECOND HIGH ONE HOUR AVERAGE	.15	PPM 01/27/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.029	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	8	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.1	%
TOTAL NUMBER OF HOURS	6493	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.06	0.17

RESULTANT WIND SPEED SUMMARY

PORT ARTHUR NORTH

LOCATION CODE: 4190010 AGENCY CODE: F

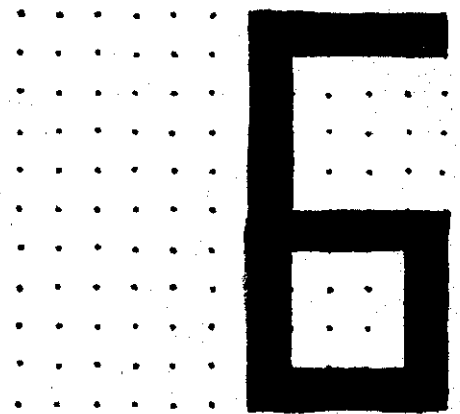
START DATE: 01/01/84 END DATE: 12/21/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.38	3.72	0.16	0.01	0.00	0.00	5.29
NNE	2.07	3.40	0.05	0.00	0.00	0.00	5.53
NE	3.64	3.80	0.31	0.00	0.00	0.00	7.76
ENE	4.53	3.05	0.20	0.00	0.00	0.00	7.79
E	3.52	4.23	0.30	0.00	0.00	0.00	8.05
ESE	3.62	4.49	0.16	0.00	0.00	0.00	8.28
SE	3.62	7.24	0.25	0.00	0.00	0.00	11.12
SSE	2.38	9.43	1.38	0.00	0.00	0.00	13.20
S	2.09	7.04	2.62	0.01	0.00	0.00	11.78
SSW	1.14	1.49	0.98	0.00	0.00	0.00	3.62
SW	1.11	1.73	0.27	0.00	0.00	0.00	3.11
WSW	1.30	1.12	0.11	0.00	0.00	0.00	2.53
W	1.01	1.14	0.29	0.00	0.00	0.00	2.44
WNW	1.04	1.04	0.68	0.07	0.00	0.00	2.85
NW	0.77	1.65	0.61	0.01	0.00	0.00	3.05
NNW	1.11	1.64	0.16	0.00	0.00	0.00	2.91
TOTALS	34.39	56.28	8.59	0.11	0.00	0.00	100.00

TOTAL NUMBER OF HOURS 7919



C A M S



EL PASO, DOWNTOWN
500 NORTH CAMPBELL

REG:ION

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OZONE (UV PHOTOMETRIC) SUMMARY

EL PASO, DOWNTOWN

LOCATION CODE: 170027 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

			DATE
HIGH ONE HOUR AVERAGE	.12	PPM	09/12/84
SECOND HIGH ONE HOUR AVERAGE	.12	PPM	05/21/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.023	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
NUMBER OF HOURS EXCEEDING 0.12 PPM	0		
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%	
TOTAL NUMBER OF HOURS	7752		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.12

CARBON MONOXIDE (CO) SUMMARY

EL PASO, DOWNTOWN

LOCATION CODE: 1700027 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	23.9	PPM 10/30/84
SECOND HIGH ONE HOUR AVERAGE	20.1	PPM 11/15/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	2.36	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	2.0	PPM
NUMBER OF HOURS EXCEEDING 35 PPM	0	X
PERCENT OF HOURS EXCEEDING 35 PPM	.0	X
TOTAL NUMBER OF HOURS	7770	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	1.0	1.4	1.7	2.0	2.4	2.7	3.2	3.9	5.3	23.9

		DATE
HIGH 8-HOUR RUNNING AVERAGE	14.0	PPM 11/02/84
SECOND HIGH 8-HOUR RUNNING AVERAGE NONOVERLAPPING	11.8	PPM 12/28/84
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	2.80	PPM
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	1.6	PPM
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	7931	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	1.2	1.5	1.9	2.2	2.5	2.8	3.3	3.8	4.7	14.0

SULFUR DIOXIDE (PUL FL) SUMMARY

EL PASO, DOWNTOWN

LOCATION CODE: 1700027 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.58	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.54	PPM	08/20/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.020	PPM	05/27/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.04	PPM	
TOTAL NUMBER OF HOURS	7864		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.05	0.58

HIGH 24-HOUR AVERAGE	.06	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.06	PPM	12/16/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.015	PPM	11/28/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	X	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	X	
TOTAL NUMBER OF 24-HOUR AVERAGES	343		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.06

HIGH THREE HOUR RUNNING AVERAGE	.31	PPM	DATE
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.30	PPM	03/01/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.018	PPM	12/16/84
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.03	PPM	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	7270		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.31

NITROGEN DIOXIDE(CHLJM) SUMMARY

EL PASO, DOWNTOWN

LOCATION CODE: 1700927 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.13	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.12	PPM	12/10/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.019	PPM	02/14/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF HOURS	6846		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.13

HIGH 24-HOUR AVERAGE	.05	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.04	PPM	11/12/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.015	PPM	12/10/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	295		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.05

NITRIC OXIDE (CHLUM) SUMMARY

EL PASO, DOWNTOWN

LOCATION CODE: 1700027 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.37	PPM	DATE 12/18/84
SECOND HIGH ONE HOUR AVERAGE	.36	PPM	DATE 11/12/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.036	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.04	PPM	
TOTAL NUMBER OF HOURS	7435		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.08	0.37

HIGH 24-HOUR AVERAGE	.13	PPM	DATE 12/19/84
SECOND HIGH 24-HOUR AVERAGE	.13	PPM	DATE 12/18/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.031	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.03	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	322		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.13

OXIDES OF NITROGEN (CL) SUMMARY

EL PASO, DOWNTOWN

LOCATION CODE: 1700027 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.42	PPM 12/18/84
SECOND HIGH ONE HOUR AVERAGE	.40	PPM 11/12/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.054	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.05	PPM
TOTAL NUMBER OF HOURS	7146	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.08	0.12	0.42

		DATE
HIGH 24-HOUR AVERAGE	.17	PPM 12/10/84
SECOND HIGH 24-HOUR AVERAGE	.17	PPM 11/12/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.049	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.03	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	309	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.09	0.17

RESULTANT WIND SPEED SUMMARY

EL PASO, DOWNTOWN

LOCATION CODE: 1700027 AGENCY CODE: F

START DATE: 01/01/86 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.65	0.29	0.01	0.00	0.00	0.00	0.95
NNE	0.45	0.13	0.01	0.00	0.00	0.00	0.60
NE	0.67	0.52	0.13	0.12	0.01	0.00	1.47
ENE	2.10	4.09	3.60	1.95	0.25	0.09	12.10
E	3.91	7.38	4.53	0.68	0.04	0.00	16.56
ESE	3.23	5.60	1.92	0.23	0.00	0.00	10.99
SE	1.62	3.04	0.61	0.04	0.00	0.00	5.33
SSE	0.80	0.70	0.03	0.00	0.00	0.00	1.54
S	0.67	0.08	0.00	0.00	0.00	0.00	0.75
SSW	0.66	0.09	0.00	0.00	0.00	0.00	0.75
SW	1.11	0.44	0.03	0.05	0.01	0.00	1.66
WSW	2.51	2.77	1.46	0.63	0.09	0.00	7.48
W	2.74	6.90	4.62	1.81	0.19	0.02	16.30
WNW	1.87	6.93	2.91	1.20	0.05	0.00	12.99
NW	1.35	4.91	0.98	0.20	0.00	0.00	7.47
NNW	0.86	1.01	0.09	0.04	0.00	0.00	2.01
TOTALS	25.25	44.94	21.00	7.02	0.67	0.11	100.00

TOTAL NUMBER OF HOURS 8603



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EL PASO, (UTEP)
UNIVERSITY OF TEXAS
125 RIM ROAD

REGION

11



OZONE (UV PHOTOMETRIC) SUMMARY

EL PASO, WEST (UTEP)

LOCATION CODE: 1700037 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.13	PPM 05/22/84
SECOND HIGH ONE HOUR AVERAGE	.13	PPM 08/02/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.028	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	3	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	7894	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.13

CARBON MONOXIDE (NDIR) SUMMARY

EL PASO, WEST (UTEP)

LOCATION CODE: 1700037 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	11.7	PPM 11/02/84
SECOND HIGH ONE HOUR AVERAGE	10.0	PPM 11/02/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	1.32	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	1.1	PPM
NUMBER OF HOURS EXCEEDING 35 PPM	0	
PERCENT OF HOURS EXCEEDING 35 PPM	.0	X
TOTAL NUMBER OF HOURS	7661	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.4	0.6	0.7	0.9	1.1	1.2	1.4	1.8	2.5	11.7

		DATE
HIGH 8-HOUR RUNNING AVERAGE	7.0	PPM 11/02/84
SECOND HIGH 8-HOUR RUNNING AVERAGE NONOVERLAPPING	6.0	PPM 12/10/84
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	1.28	PPM
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	.8	PPM
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	7837	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.8	2.3	7.0

SULFUR DIOXIDE (PUL FL) SUMMARY

EL PASO, WEST (UTEP)

LOCATION CODE: 1700037 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.66	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.52	PPM	08/28/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.025	PPM	08/28/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.05	PPM	
TOTAL NUMBER OF HOURS	7620		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.07	0.66

HIGH 24-HOUR AVERAGE	.10	PPM	DATE
SECOND HIGH 24-HOUR AVERAGE	.09	PPM	11/11/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.021	PPM	03/03/84
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	1		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.10 PPM	.0	X	
NUMBER OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	0		
PERCENT OF 24-HOUR PERIODS EXCEEDING 0.14 PPM	.0	X	
TOTAL NUMBER OF 24-HOUR AVERAGES	334		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.10

HIGH THREE HOUR RUNNING AVERAGE	.43	PPM	DATE
SECOND HIGH THREE HOUR RUNNING AVERAGE NONOVERLAPPING	.36	PPM	01/31/84
ARITHMETIC MEAN OF THREE HOUR RUNNING AVERAGES	.023	PPM	04/08/84
STANDARD DEVIATION OF THREE HOUR RUNNING AVERAGES	.04	PPM	
TOTAL NUMBER OF THREE HOUR RUNNING AVERAGES	7010		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

Z	10	20	30	40	50	60	70	80	90	100
	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.07	0.43

NITROGEN DIOXIDE(CHLJM) SUMMARY

EL PASO WEST (UTEP)

LOCATION CODE: 1700037 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.14	PPM 02/14/84
SECOND HIGH ONE HOUR AVERAGE	.12	PPM 10/30/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.021	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.01	PPM
TOTAL NUMBER OF HOURS	6692	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.04	0.14	

		DATE
HIGH 24-HOUR AVERAGE	.04	PPM 01/05/84
SECOND HIGH 24-HOUR AVERAGE	.04	PPM 11/12/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.016	PPM
STANDARD DEVIATION OF 24-HOUR AVERAGES	.01	PPM
TOTAL NUMBER OF 24-HOUR AVERAGES	290	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	

NITRIC OXIDE (CHLUM) SUMMARY

EL PASO, WEST (UTEP)

LOCATION CODE: 1700037 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.31	PPM	DATE 12/18/84
SECOND HIGH ONE HOUR AVERAGE	.31	PPM	DATE 11/02/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.022	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.03	PPM	
TOTAL NUMBER OF HOURS	7101		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.05	0.31

HIGH 24-HOUR AVERAGE	.11	PPM	DATE 12/10/84
SECOND HIGH 24-HOUR AVERAGE	.10	PPM	DATE 03/08/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.018	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	304		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.11

OXIDES OF NITROGEN (CL) SUMMARY

EL PASO, WEST (UTEP)

LOCATION CODE: 1700037 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.36	PPM	DATE 02/14/84
SECOND HIGH ONE HOUR AVERAGE	.34	PPM	DATE 02/07/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.043	PPM	
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.04	PPM	
TOTAL NUMBER OF HOURS	7051		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.06	0.09	0.36

HIGH 24-HOUR AVERAGE	.14	PPM	DATE 12/10/84
SECOND HIGH 24-HOUR AVERAGE	.14	PPM	DATE 03/08/84
ARITHMETIC MEAN OF 24-HOUR AVERAGES	.038	PPM	
STANDARD DEVIATION OF 24-HOUR AVERAGES	.02	PPM	
TOTAL NUMBER OF 24-HOUR AVERAGES	303		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.07	0.14

RESULTANT WIND SPEED SUMMARY

EL PASO, WEST (UTEP)

LOCATION CODE: 1700037 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.10	1.95	0.11	0.00	0.00	0.00	3.17
NNE	0.30	0.08	0.03	0.00	0.00	0.00	0.41
NE	0.38	0.28	0.23	0.19	0.06	0.00	1.15
ENE	0.34	0.69	0.60	0.31	0.01	0.00	1.96
E	0.99	1.47	1.22	0.32	0.02	0.00	4.04
ESE	1.46	4.94	3.30	0.41	0.00	0.00	10.13
SE	1.98	9.55	6.05	0.85	0.01	0.00	18.47
SSE	1.15	3.62	1.78	0.08	0.02	0.00	6.66
S	1.19	0.62	0.09	0.00	0.00	0.00	1.90
SSW	1.27	0.40	0.05	0.04	0.04	0.00	1.82
SW	1.31	0.26	0.19	0.02	0.00	0.00	1.80
WSW	1.34	0.70	0.45	0.16	0.01	0.00	2.67
W	1.84	2.26	2.13	1.68	0.48	0.06	8.47
WNW	2.01	4.01	3.37	1.27	0.13	0.00	10.80
NW	2.47	6.85	5.69	1.05	0.32	0.00	16.40
NNW	2.24	5.36	1.71	0.11	0.01	0.00	9.44
TOTALS	21.44	43.12	27.07	6.53	1.15	0.04	100.00

TOTAL NUMBER OF HOURS 8651



CAMES 30

EL PASO, FAR WEST (LINCOLN SCHOOL)
500 MULBERRY

REGION 11



OZONE (UV PHOTOMETRIC) SUMMARY

EL PASO, FAR WEST (LINCOLN)

LOCATION CODE: 1700036 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 04/30/84

		DATE
HIGH ONE HOUR AVERAGE	.08	PPM 04/23/84
SECOND HIGHEST ONE HOUR AVERAGE	.08	PPM 02/29/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.030	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	0	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	2669	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.05	0.08

C A M S 3 0

EL PASO, EAST
ASCARATE PARK

REGION 11



OZONE (UV PHOTOMETRIC) SUMMARY

EL PASO EAST

LOCATION CODE: 1700028 AGENCY CODE: F

START DATE: 06/05/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	.17	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	.16	PPM	06/21/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.028	PPM	08/20/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM	
NUMBER OF HOURS EXCEEDING 0.12 PPM	14		
PERCENT OF HOURS EXCEEDING 0.12 PPM	.4	%	
TOTAL NUMBER OF HOURS	3507		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.17

CARBON MONOXIDE (ND11) SUMMARY

EL PASO, EAST

LOCATION CODE: 1700028 AGENCY CODE: F

START DATE: 07/02/84 END DATE: 12/31/84

HIGH ONE HOUR AVERAGE	20.5	PPM	DATE
SECOND HIGH ONE HOUR AVERAGE	17.7	PPM	10/31/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.82	PPM	10/31/84
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	1.8	PPM	
NUMBER OF HOURS EXCEEDING 35 PPM	0		
PERCENT OF HOURS EXCEEDING 35 PPM	.0	%	
TOTAL NUMBER OF HOURS	3437		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.0	0.0	0.0	0.0	0.1	0.3	0.5	1.0	2.2	20.5

DATE

HIGH 8-HOUR RUNNING AVERAGE	15.4	PPM	DATE
SECOND HIGH 8-HOUR RUNNING AVERAGE	NONOVERLAPPING 12.5	PPM	10/28/84
ARITHMETIC MEAN OF 8-HOUR RUNNING AVERAGES	.81	PPM	
STANDARD DEVIATION OF 8-HOUR RUNNING AVERAGES	1.5	PPM	
TOTAL NUMBER OF 8-HOUR RUNNING AVERAGES	3456		

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

X	10	20	30	40	50	60	70	80	90	100
	0.0	0.0	0.1	0.2	0.3	0.6	0.7	1.1	2.1	15.4

RESULTANT WIND SPEED SUMMARY

EL PASO, EAST

LOCATION CODE: 1700020 AGENCY CODE: F

START DATE: 06/05/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	1.58	1.52	0.54	0.00	0.00	0.00	3.65
NNE	1.58	3.31	0.77	0.00	0.00	0.00	5.67
NE	2.38	1.90	0.20	0.04	0.00	0.00	4.54
ENE	1.63	2.31	0.56	0.04	0.00	0.00	4.56
E	2.43	2.24	1.99	0.22	0.00	0.00	6.90
ESE	4.29	2.54	2.77	0.43	0.02	0.00	10.06
SE	5.76	4.38	1.09	0.13	0.00	0.00	11.37
SSE	4.72	4.08	1.06	0.06	0.00	0.00	9.94
S	2.95	1.77	0.22	0.04	0.00	0.00	4.99
SSW	2.22	0.45	0.15	0.00	0.00	0.00	2.83
SW	1.70	0.59	0.34	0.00	0.00	0.00	2.63
WSW	1.90	1.40	0.49	0.13	0.02	0.00	3.97
W	2.52	3.31	3.15	2.20	0.40	0.02	11.62
WNW	2.36	3.04	3.11	1.20	0.18	0.00	9.90
NW	1.70	1.11	0.43	0.06	0.00	0.00	3.31
NNW	1.38	0.45	0.04	0.00	0.00	0.00	1.88
TOTALS	41.17	34.47	16.98	4.61	0.63	0.02	100.00

TOTAL NUMBER OF HOURS 4403



CAMES 19

GREGG COUNTY - LONGVIEW
GREGG COUNTY AIRPORT

REGION 12



OZONE (UV PHOTOMETRIC) SUMMARY

GREGG COUNTY(LONGVIEW)

LOCATION CODE: 2180001 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

		DATE
HIGH ONE HOUR AVERAGE	.16	PPM 10/08/84
SECOND HIGH ONE HOUR AVERAGE	.16	PPM 10/08/84
ARITHMETIC MEAN OF ONE HOUR AVERAGES	.035	PPM
ARITHMETIC STANDARD DEVIATION OF ONE HOUR AVERAGES	.02	PPM
NUMBER OF HOURS EXCEEDING 0.12 PPM	2	
PERCENT OF HOURS EXCEEDING 0.12 PPM	.0	%
TOTAL NUMBER OF HOURS	7101	

FREQUENCY DISTRIBUTION - PERCENT OF SAMPLES EQUAL TO OR LESS THAN STATED VALUES

%	10	20	30	40	50	60	70	80	90	100
	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.16



RESULTANT WIND SPEED SUMMARY

GREGG COUNTY(LONGVIEW)

LOCATION CODE: 2180001 AGENCY CODE: F

START DATE: 01/01/84 END DATE: 12/31/84

WIND DIRECTION	WIND SPEED CATEGORY (MPH)						TOTAL %
	(0-3) %	>3-7 %	>7-12 %	>12-18 %	>18-24 %	>24 %	
N	0.93	1.50	1.20	0.13	0.00	0.00	3.83
NNE	0.93	2.33	2.13	0.18	0.00	0.00	5.58
NE	0.96	1.86	1.37	0.20	0.00	0.00	4.40
ENE	1.34	2.12	0.59	0.00	0.00	0.00	4.05
E	1.89	2.01	0.22	0.00	0.00	0.00	4.13
ESE	2.32	3.08	0.13	0.01	0.00	0.00	5.55
SE	3.09	3.83	0.86	0.00	0.00	0.00	7.79
SSE	3.49	6.36	2.77	0.39	0.00	0.00	13.02
S	4.39	6.95	4.36	0.50	0.00	0.00	16.21
SSW	2.60	4.61	2.32	0.19	0.00	0.00	9.73
SW	1.07	1.98	0.77	0.06	0.00	0.00	3.89
WSW	0.83	1.21	0.40	0.06	0.00	0.00	2.51
W	1.07	1.50	0.73	0.28	0.00	0.00	3.60
WNW	0.95	1.36	1.09	0.69	0.02	0.00	4.13
NW	0.93	1.57	1.18	0.74	0.14	0.00	4.58
NNW	0.98	2.01	1.96	0.51	0.02	0.00	5.50
TOTALS	27.85	44.34	22.14	4.04	0.19	0.00	100.00

TOTAL NUMBER OF HOURS 8301

Agency Accuracy

The CAMS Network accuracy is calculated based on low-level instrument audits. The following parameters are monitored: Ozone, Carbon Monoxide, Sulfur Dioxide, Nitric Oxide, Nitrogen Dioxide, and Total Oxides of Nitrogen.

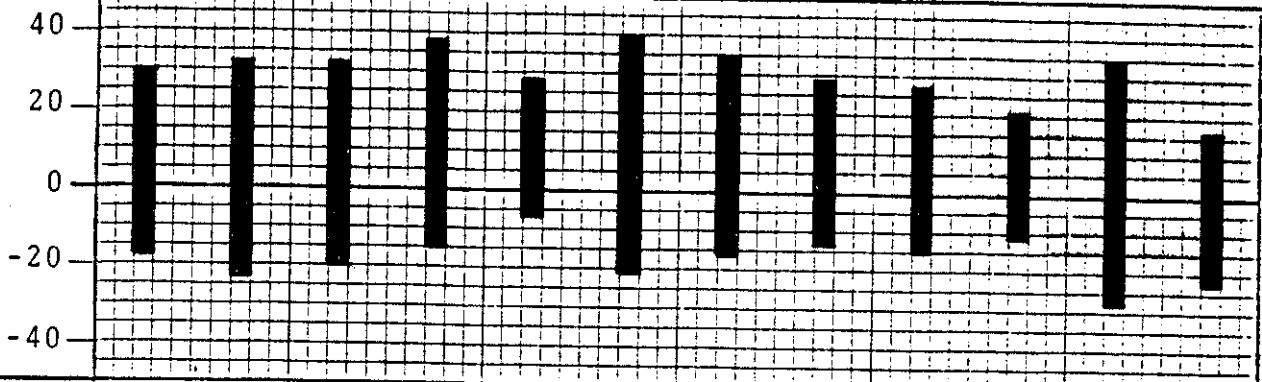
The NCAMS Network accuracy is calculated based on the Hi-Vol flow audits. Total suspended particulates is the pollutant monitored.

The 95% Probability Limits indicate the interval within which the percent difference between the measured value and the true (audit) value should fall 95% of the time.

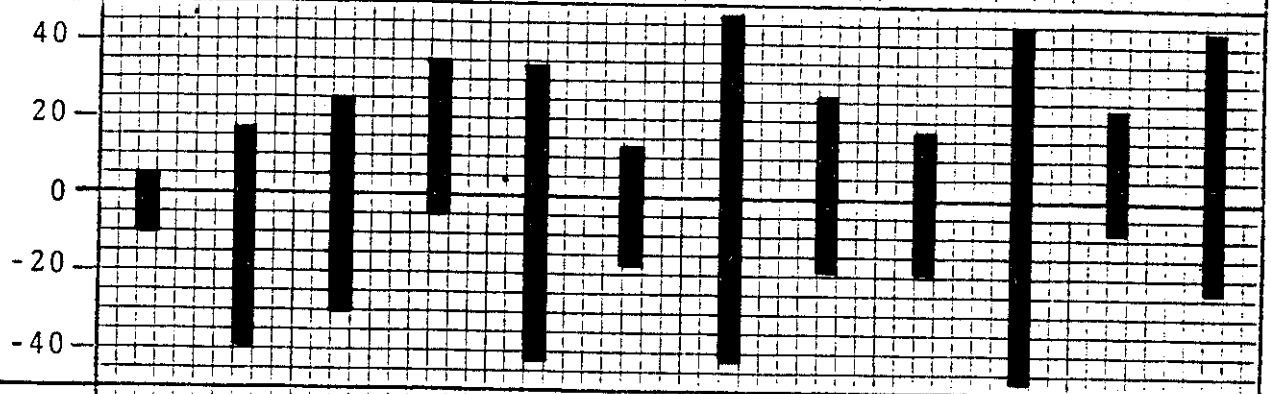
The following bar graphs are representations of the above-mentioned 95% probability limits.

95% - PROBABILITY LIMITS FOR ACCURACY

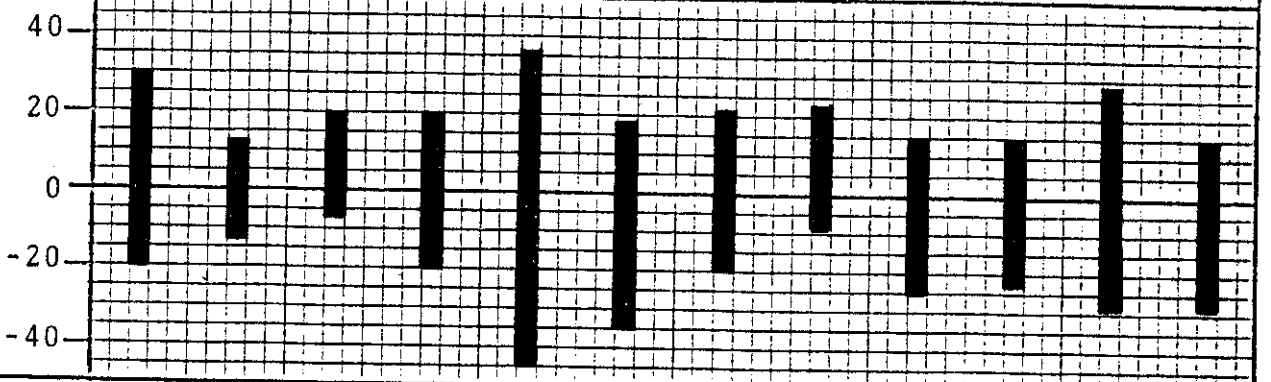
OZONE
(O₃)



CARBON
MONOXIDE
(CO)



SULFUR
DIOXIDE
(SO₂)



JANUARY 1984

FEBRUARY 1984

MARCH 1984

APRIL 1984

MAY 1984

JUNE 1984

JULY 1984

AUGUST 1984

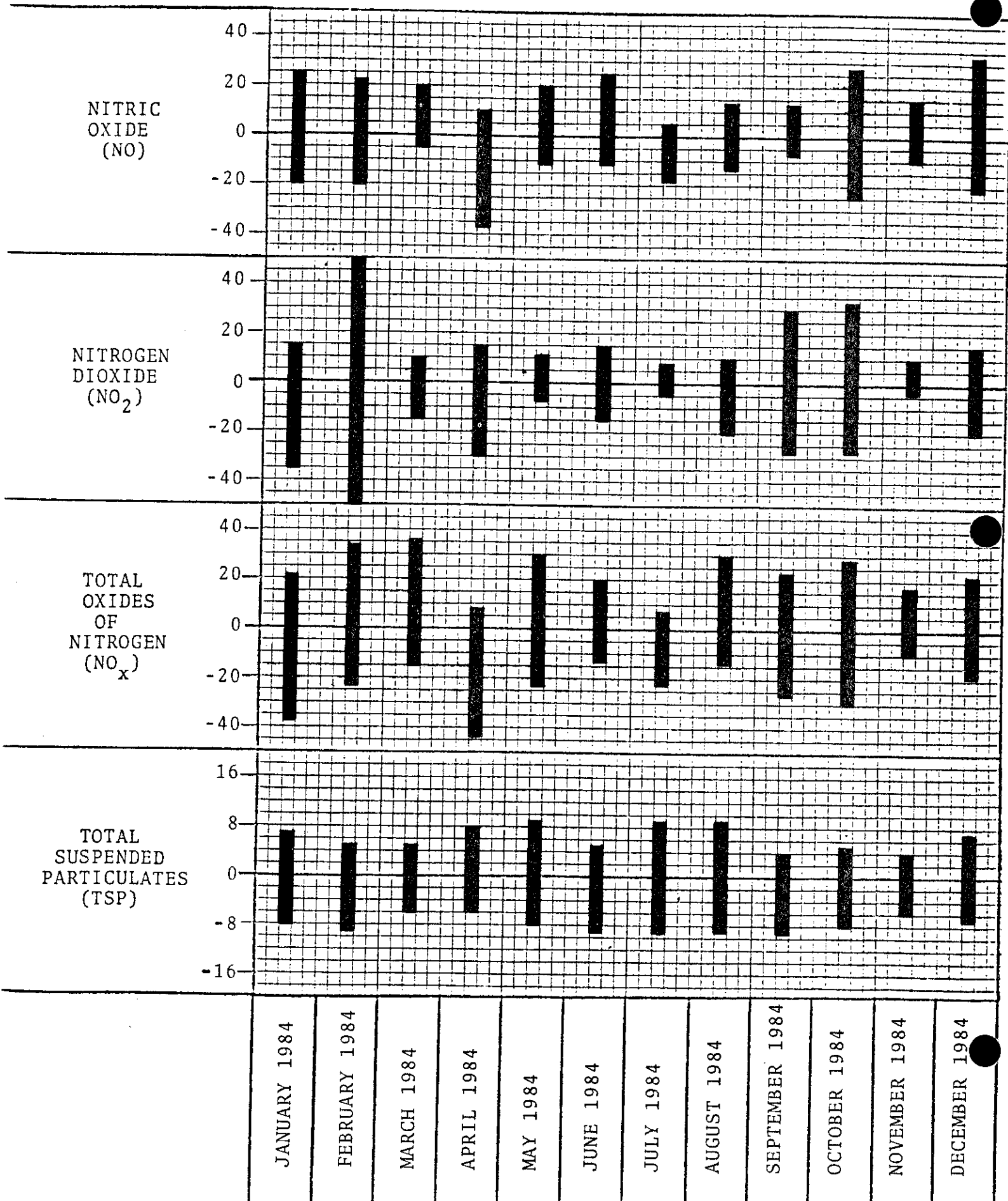
SEPTEMBER 1984

OCTOBER 1984

NOVEMBER 1984

DECEMBER 1984

95% PROBABILITY LIMITS FOR ACCURACY



Agency Precision

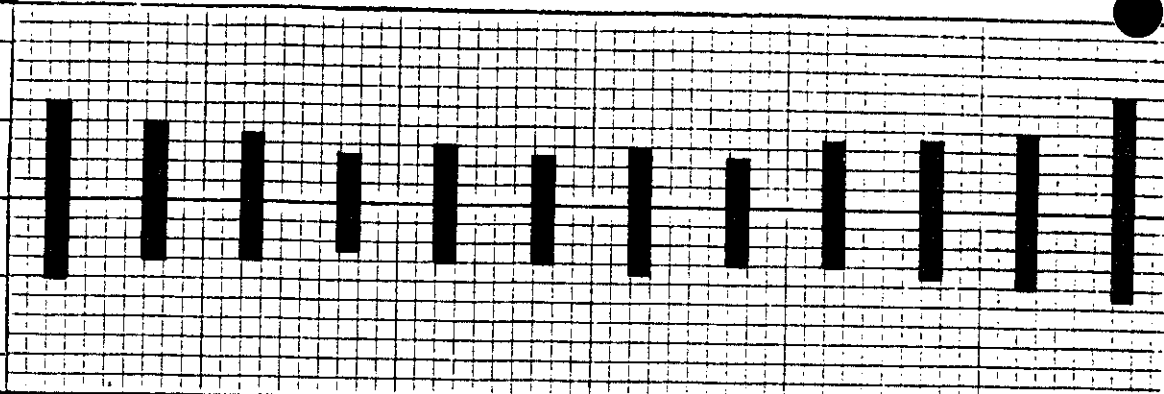
In January, 1981, the Agency started making precision measurements on the continuous monitors in the CAMS Network as required by Federal Regulations. These measurements consist of challenging the monitors at least once every two weeks with a known concentration of pollutant gas and reporting each monitor's calibrated response as a percent difference from the known concentration. These measurements are then processed into 95% probability limits which indicate the interval within which the percent difference should fall 95% of the time. The parameters monitored are as follows: Ozone, Carbon Monoxide, Sulfur Dioxide, Nitric Oxide, Nitrogen Dioxide, and Total Oxides of Nitrogen.

The following bar graphs are representations of the above-mentioned 95% probability limits.

95% PROBABILITY LIMITS FOR PRECISION

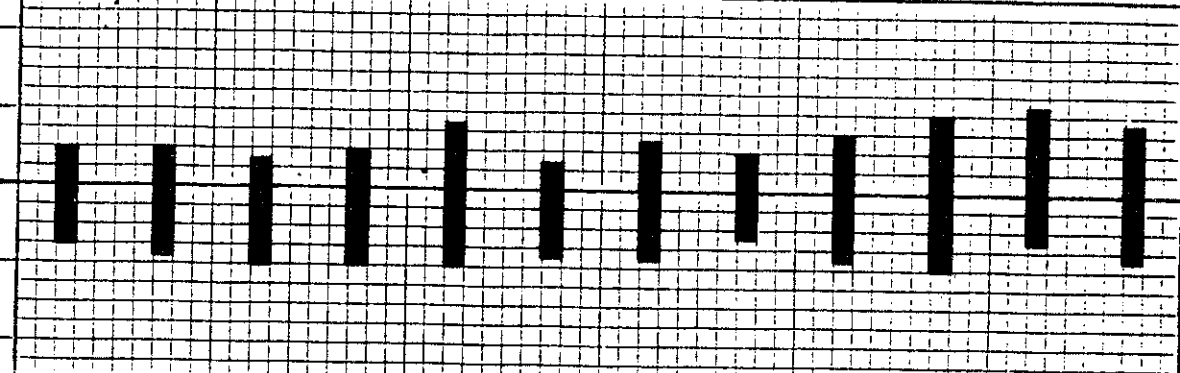
OZONE
(O₃)

16
8
0
-8
-16



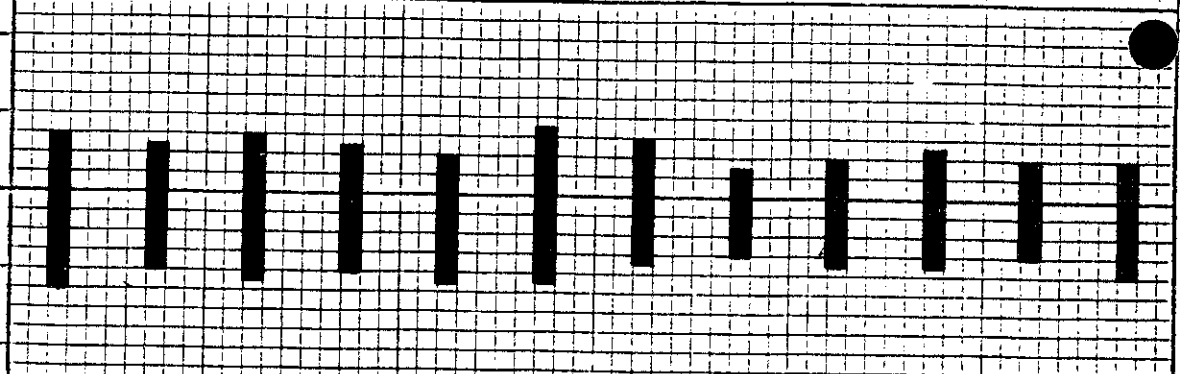
CARBON
MONOXIDE
(CO)

16
8
0
-8
-16



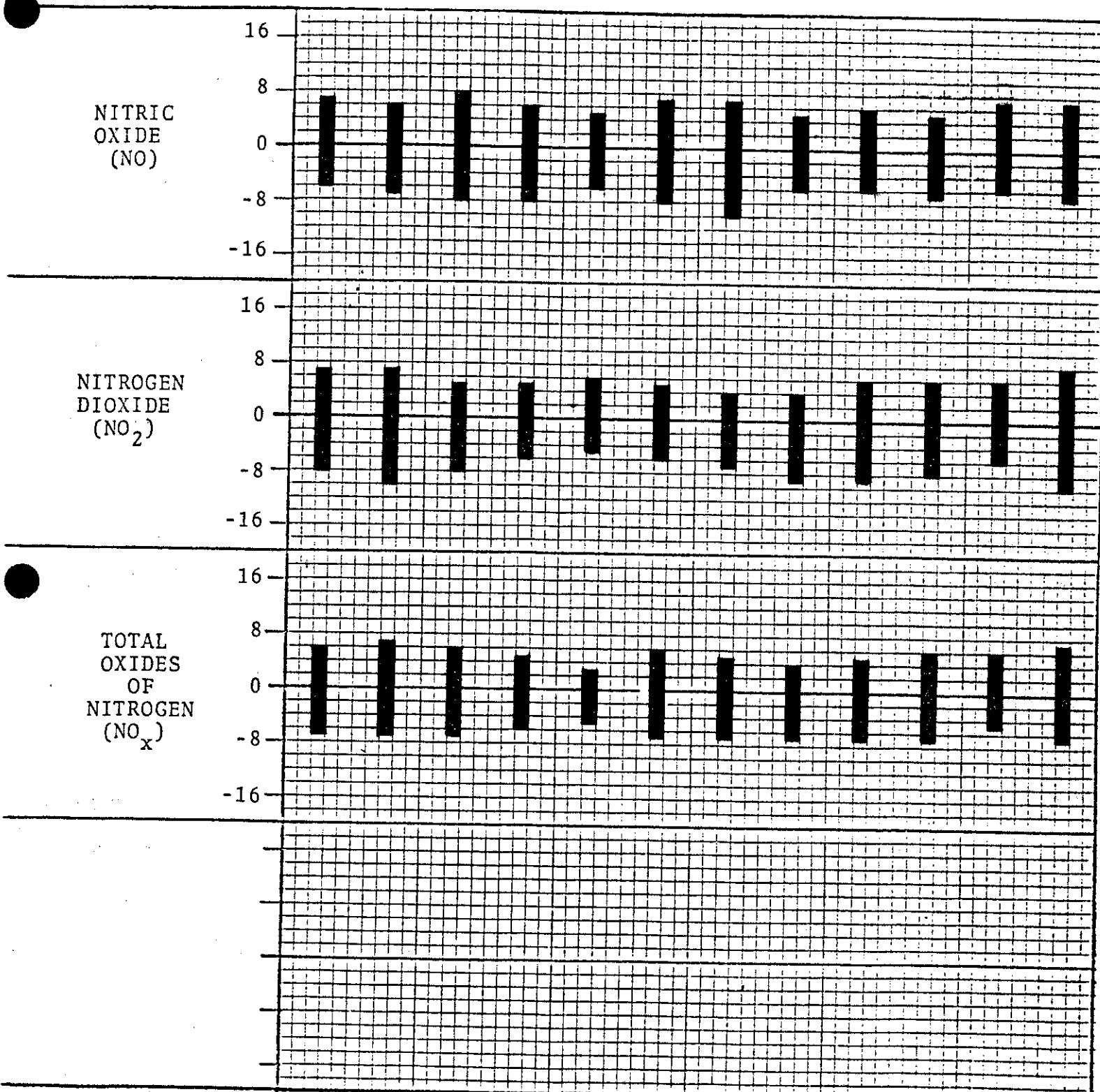
SULFUR
DIOXIDE
(SO₂)

16
8
0
-8
-16



JANUARY 1984
FEBRUARY 1984
MARCH 1984
APRIL 1984
MAY 1984
JUNE 1984
JULY 1984
AUGUST 1984
SEPTEMBER 1984
OCTOBER 1984
NOVEMBER 1984
DECEMBER 1984

95% PROBABILITY LIMITS FOR PRECISION



JANUARY 1984	FEBRUARY 1984	MARCH 1984	APRIL 1984	MAY 1984	JUNE 1984	JULY 1984	AUGUST 1984	SEPTEMBER 1984	OCTOBER 1984	NOVEMBER 1984	DECEMBER 1984
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