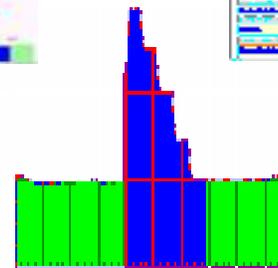
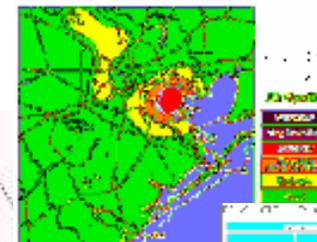
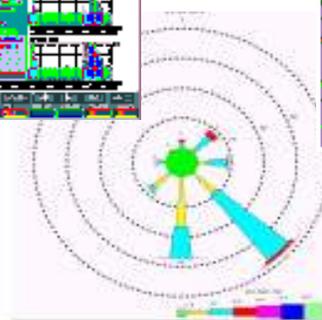
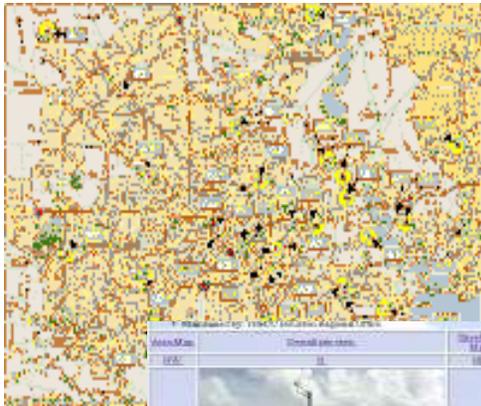


IPS MeteoStar LEADS



The MeteoStar LEADS System:

An Easy To Use, Cost Effective Air & Water Quality Monitoring & Reporting System





IPS Meteostar Worldwide Weather Web Portal With Local Forecasts Satellite Imagery And Radar

South Eastern US Composite Satellite

[Loop](#)
 [IR](#)
 [Visible](#)
 [Water Vapor](#)
 [Change Region](#)

SEI, DERIVED IMAGE BASE REFLECTIVITY OVER NOAAPORT IR Wed 14 Sep 2005 14:40

- Local Radar
- Forecast Radar
- Satellite
- Satellite Composite
- Lightning
- Weather Alerts
- Weather Maps
- Tropical Weather
- Change Course
- Course Info

Local Radar for Mississippi State University - MS

Time: [2006-03-18] [GMT]

IPS Meteostar Forecast - Network Browser

[Home](#)
 [Forecast](#)
 [Imagery](#)
 [Current](#)
 [Climate](#)
 [Statistics](#)
 [Information](#)

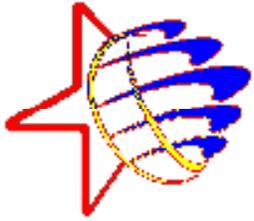
Forecast For: Las Vegas, Nevada

CHANCE	LOW	MON	TUE	WED	THU	FRI	FRI	SUN
59°	51°	77°	79°	83°	76°	73°	73°	72°
51°	53°	53°	57°	53°	47°	43°		

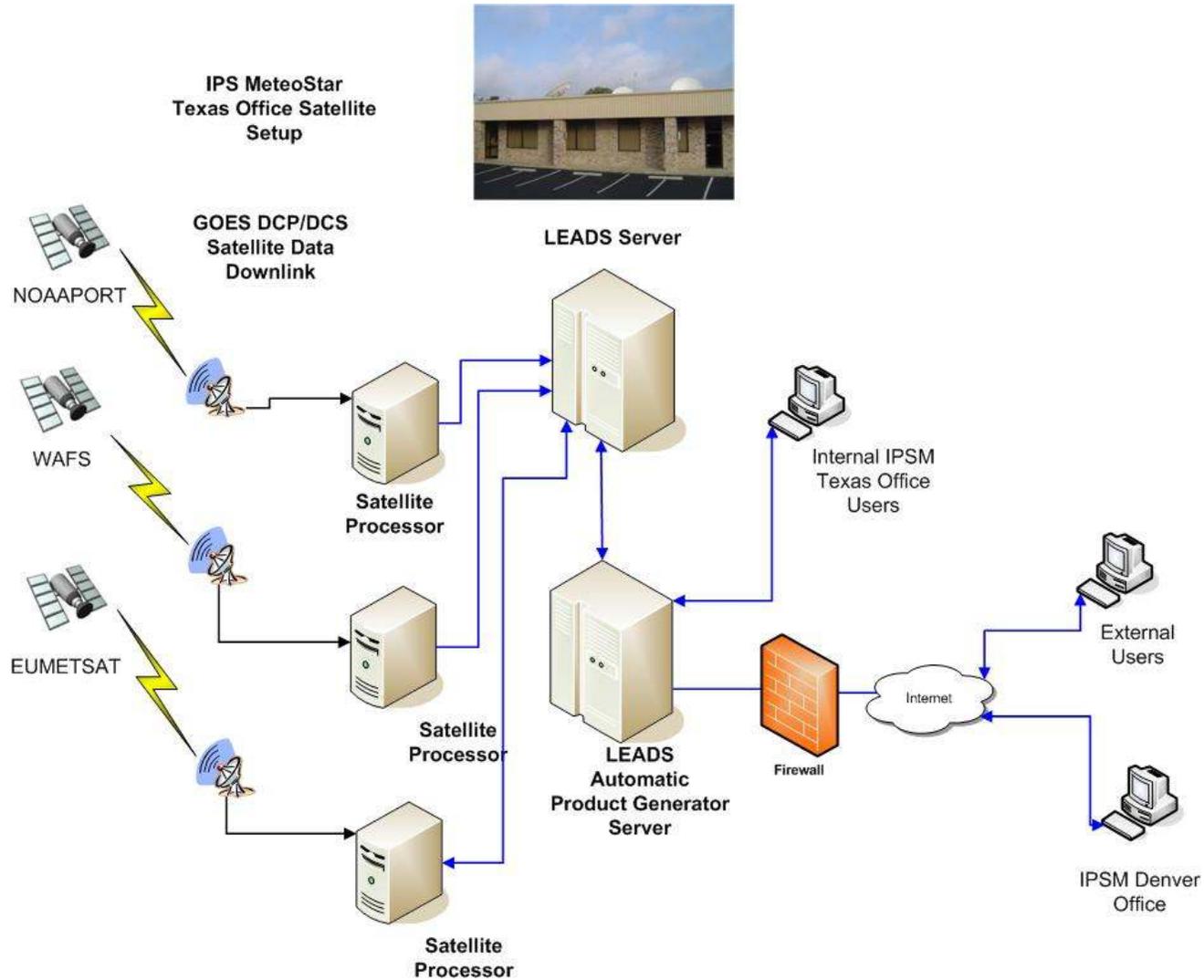
3 miles away at North Las Vegas Airport 0:03 GMT

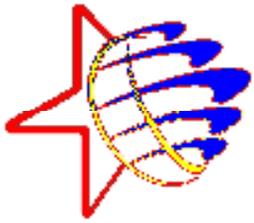
Weather: Clear	Humidity: 30%
Temperature: 54° F	Wind: 11.9 mph
Dew Point: 34° F	Pressure: 30.13 "
Feels Like: 53° F	Visibility: 10 miles

14 Days Weather Center Regional Radar Image Short Range Forecast Center
 Business Observations GOOGLE.com National Radar Image Long Range Forecast Center
 Daily Climate Plot Explained Satellite Images 5000+ Forecast Animations
 Monthly Climate Plot National Satellite Image



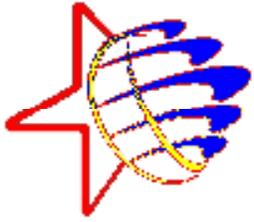
Detailed Tabular Current & Historical Air Quality Index (AQI) Report





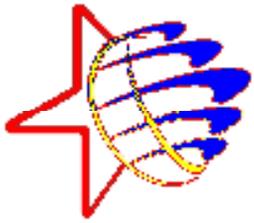
**IPS MeteoStar LEADS Software Wins
The US Air Force "Joint Environmental Toolkit"
Contract For Weather Workstation Platforms
Across US Military Branches
July 2007**





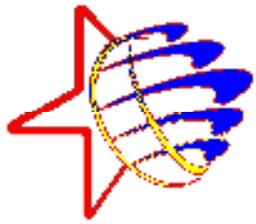
*US Navy Selects IPS MeteoStar Software
For The Fleet In October 2003*





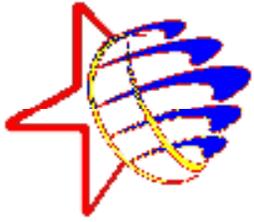
IPS MeteoStar Wins US ARMY Future Combat Systems (FCS) Weather Information Systems Contract June 2004





*IPS MeteoStar LEADS Workstations
Selected For Wallops Island Weather Support
September 2007*





IPS MeteoStar LEADS Wins Weather Workstation Contract For Federal Express Flight Operations

Current Weather [Click for forecast](#)

20:51 GMT
KATT Austin, TX

 Clear

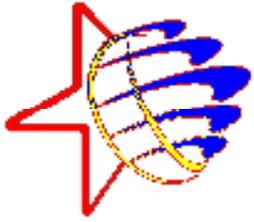
Humidity: 36.0%

Pressure: 30.28"

64° F Wind: N 4 mph

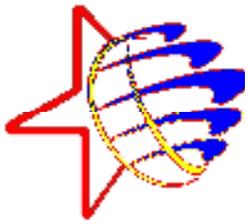
Visibility: 10 miles





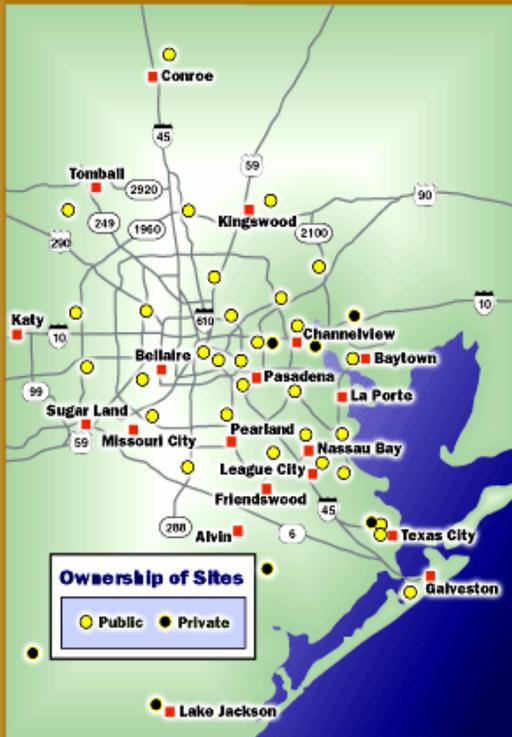
*California, Georgia, Montana and Texas National Guard Select
IPS MeteoStar IRIS AC3 Communication & Monitoring System
For Emergency Management &
Homeland Defense*





IPSM Existing Heavy Use Continuous Air & Water Monitoring Network With Over 200 Stations Sampling Over 1,700 Monitors Every Second

Air Monitoring Sites in the Houston Area



In Harris, Galveston, Montgomery, and Brazoria counties, monitors at 38 stations check air quality throughout the day. Seven of those sites are operated by private industry; the remainder are run by the TCEQ, Harris County, the city of Houston, and the University of Houston. Regardless of ownership, all the monitors share data through the same network. The area's monitoring resources include: 37 ozone sites, 7 sulfur dioxide sites, 1 hydrogen sulfide site, 35 sites taking wind speed and direction, and 11 sites for highly reactive volatile organic compounds.

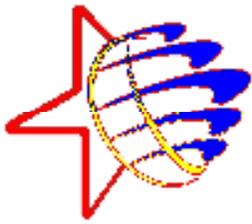
TCEQ Continuous Water Quality Monitoring



The TCEQ operates eight continuous water quality monitors: two on Caddo Lake, four in the Bosque/Leon watersheds, and two on Lake Austin (summer only). A ninth monitor (not shown) is stationed on Walnut Creek next to the TCEQ Austin headquarters. It is used to test equipment. Two more monitors will be deployed on the Pecos River this summer.

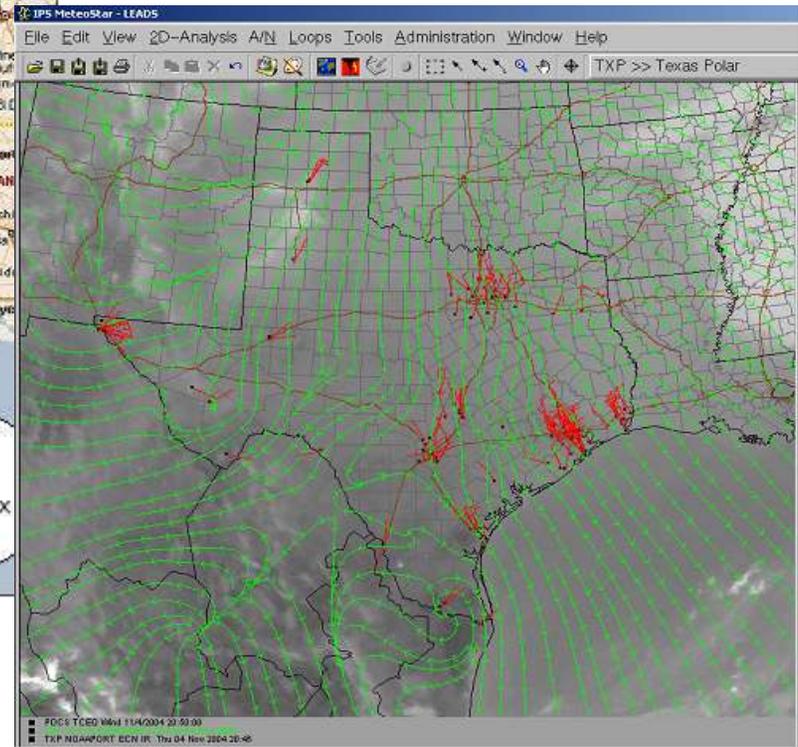
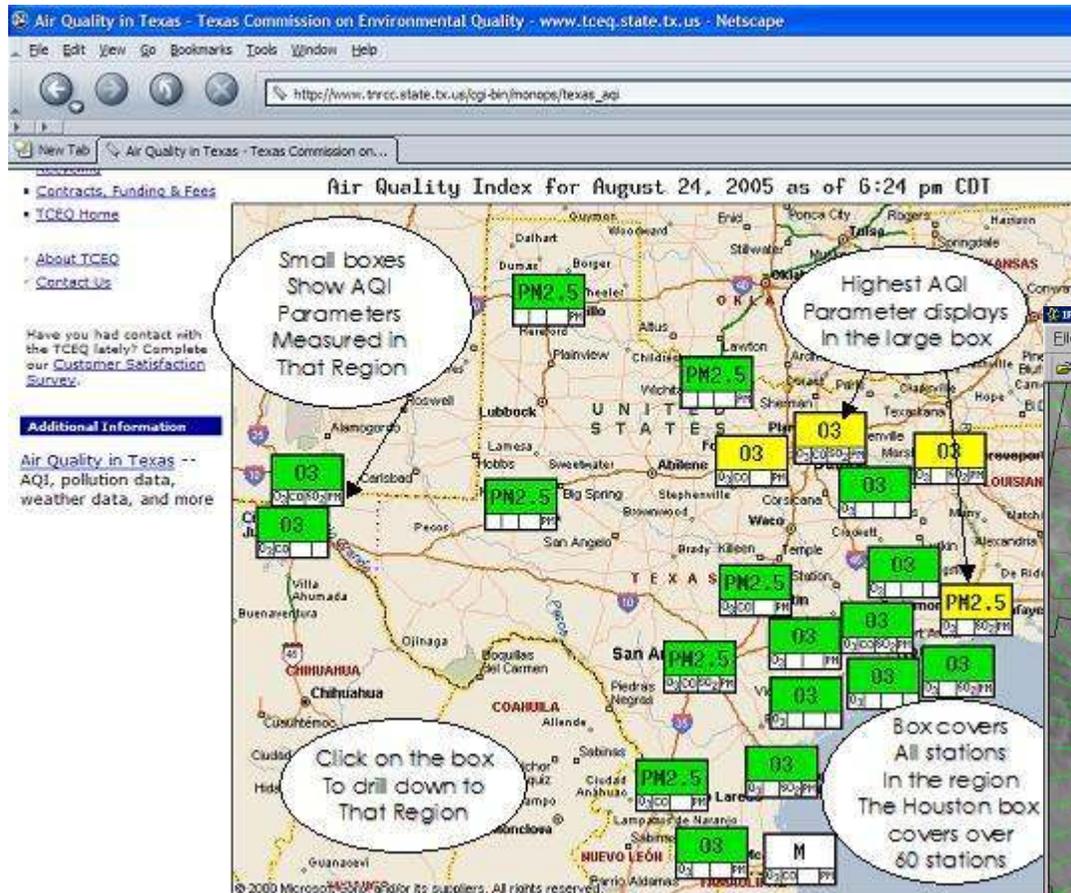


The San Jacinto Monument serves as an impressive backdrop to a TCEQ air monitoring station on Houston's east side. The monitor collects hourly data on ozone. Illustration by Tommy Hultgren.



IPS MeteoStar LEADS EMS

Texas Commission on Environmental Quality (TCEQ) Over 200 Air & Water Quality Monitoring Stations





IPS Meteostar LEADS EMS

Tribal Environmental Exchange-Network

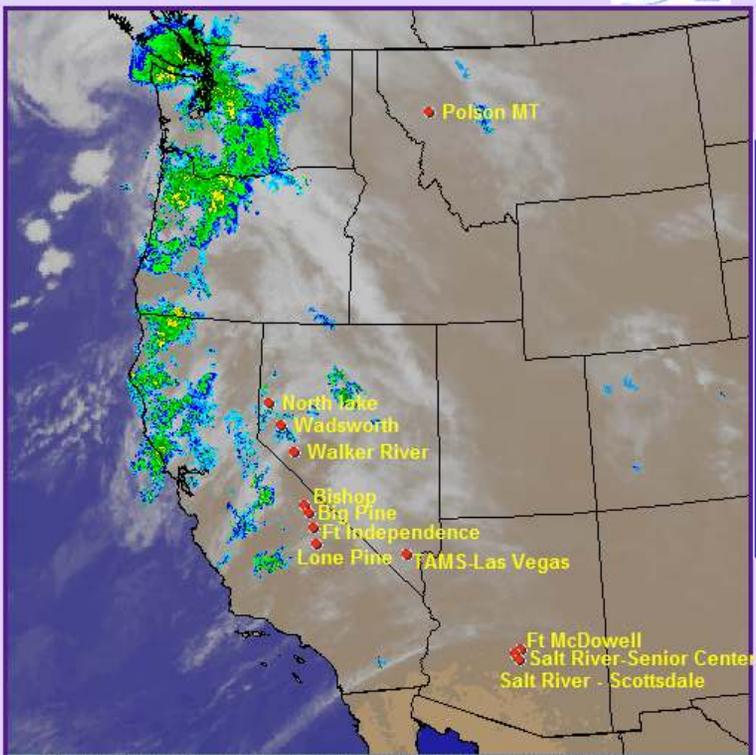
Hourly Data by Pollutant (all sites)
IPS Meteostar Weather Prod...

Tribal Environmental eXchange network

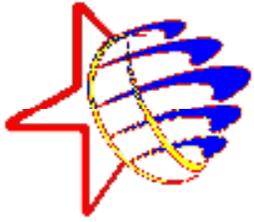


Home
Tribal Stations
Tribal Links
IPSM Links
Weather

TREX Network Data Reporting Pages

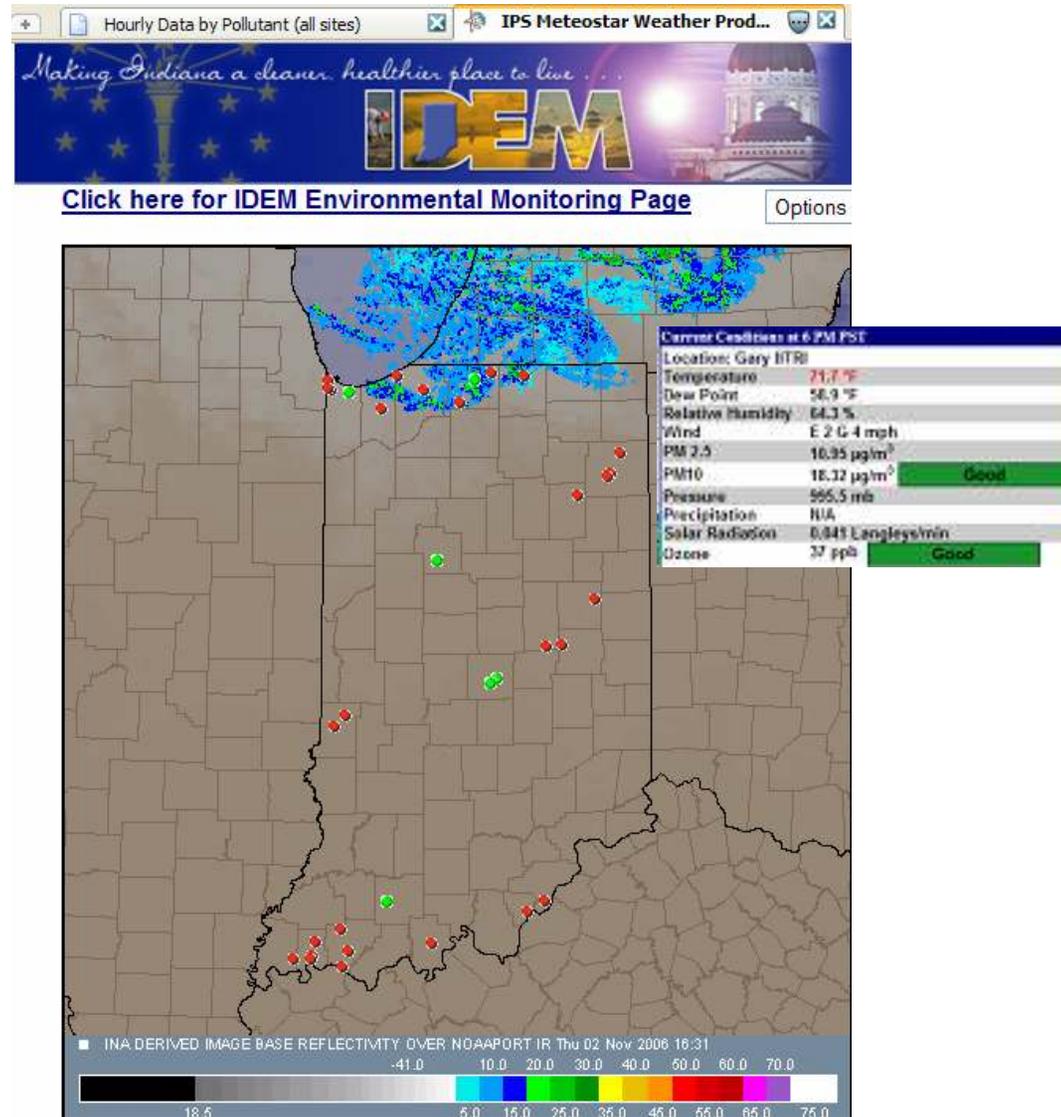



Current Conditions at 07 AM PST	
Bishop Paiute Tribe, California	
Temperature	39.3 °F
Dew Point	24.7 °F
Relative Humidity	55.8 %
Wind	NW 1 G 4 mph
PM 2.5	21.91 µg/m ³
PM10	48.78 µg/m ³ Moderate
Pressure	878.1 mb
Precipitation	0.00 inches
Solar Radiation	0.167 Langleys/min
Ozone	N/A



IPS MeteoStar LEADS EMS

Indiana Department of Environmental Management





IPS MeteoStar LEADS EMS Clark County (Las Vegas-Nevada)

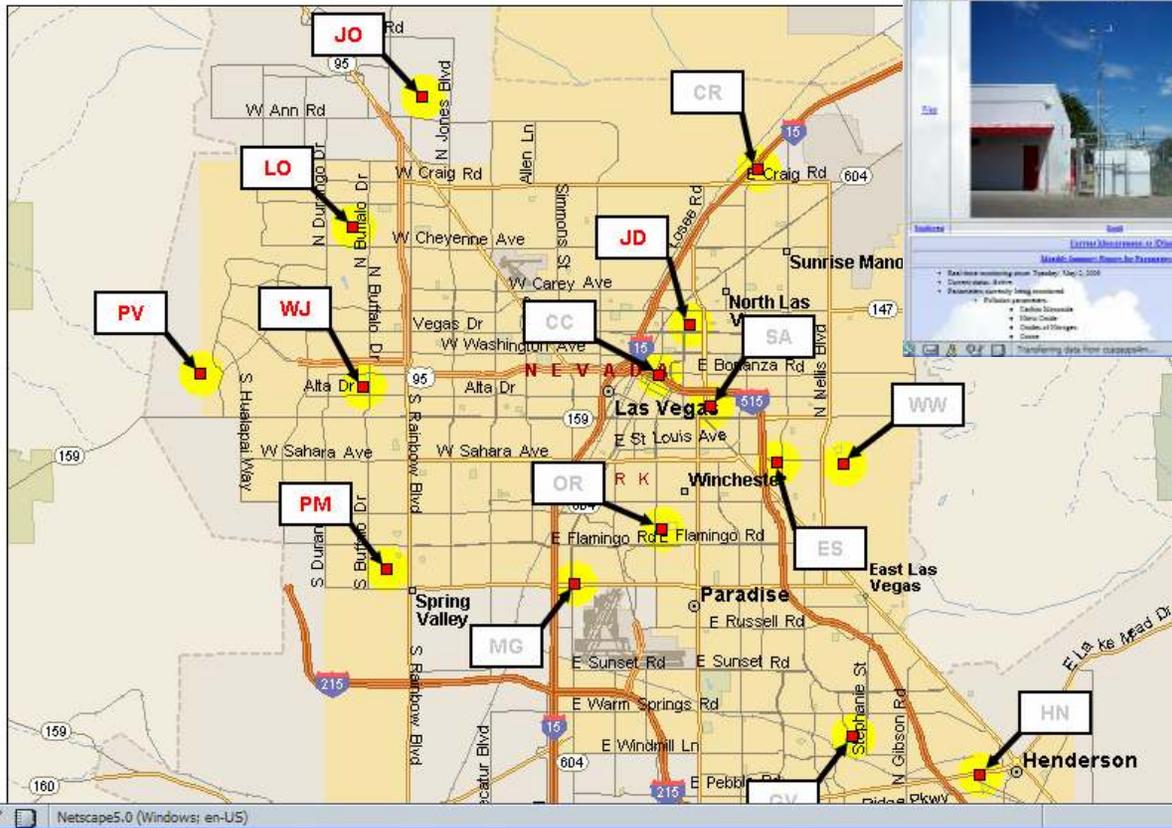
Netscape

Air Quality & Environmental Mgmt.

Monitoring Operations

Select a Monitoring Site in Region 1 (Clark County)

Select a monitoring site from the map(s) below to retrieve a daily summary of the hourly data collected at a specific continuous ambient monitoring station.



LAMS 2007 Site Photographs - Netscape

Air Quality & Environmental Mgmt.

Monitoring Operations

JDSmith

2008-2008 22:00

- EPA site number: 12-000-2002
- State: Nevada
- County: Clark
- City: North Las Vegas
- Address: 2201 East Flamingo (E)
- Site coordinates:
 - Longitude: 115° 02' 00" West (115.033333°)
 - Latitude: 36° 07' 00" N (36.116667°)
 - Elevation: 241 m (789 ft)
- Monitored by: Clark County Monitoring Operations

Site Name: Site Address: Item Name:

Site Photo:

Photo Description:

Photo Date:

Photo Time:

Photo User:

Photo Comments:

Photo Status:

Photo Title:

Photo Description:

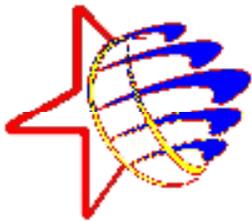
Photo Date:

Photo Time:

Photo User:

Photo Comments:

Photo Status:



Particulate Maps





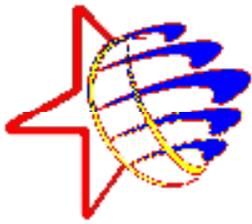
Detailed Tabular Current & Historical Air Quality Index (AQI) Report

Dallas Metropolitan Area - Texas Commission on Environmental Quality - www.tceq.state.tx.us - Microsoft Internet Explorer

Reporting for August 24, 2005 as of 6:24 pm CDT August 24 2005 Select a Different Data

Monitoring Sites in the Dallas Metro Area	Air Quality	Critical Pollutant	Air Quality Index Rating											
			Ozone				Carbon Monoxide	Sulfur Dioxide		PM-10		PM-2.5		
			1-Hour		8-Hour		8-Hour	24-Hour T		24-Hour T		24-Hour T		
AQI	ppb	AQI	ppb	AQI	ppm	AQI	ppb	AQI	ug/m3	AQI	ug/m3			
Dallas County	Moderate	PM-2.5	*	81	51	65	5	0.4	2	1			61	20.4
Dallas Executive Airport C402	Good	Ozone	*	75	46	59								
Dallas Hinton St. C401/C60/A161	Moderate	PM-2.5	*	67	41	53	5	0.4	2	1			61	20.4
Dallas North No. 2 C63	Moderate	Ozone	*	81	51	65								
Sunnyvale Long Creek C74	Good	PM-2.5	*	71	47	60							49	15.1
Denton County	Good	Ozone	*	93	25	32								
Denton Airport South C56/A163/X157	Good	Ozone	*	93	25	32								5
Collin County	Moderate	Ozone	*	97	69	72								
Frisco C31	Moderate	Ozone	*	97	69	72								
Hunt County	††		*	72		±								
Greenville C1006/A198	Good		*	72		±								
Kaufman County	Moderate	PM-2.5	*	83	50	64			1	1			51	15.7
Kaufman C71/A304/X071	Moderate	PM-2.5	*	83	50	64			1	1			51	15.7
Ellis County	Moderate	PM-2.5				±			3	2			55	17.3
Midlothian OFW C52/A137	Good	Sulfur Dioxide							3	2				
Midlothian Tower C94/A305/X158	Good	PM-2.5		5		5			1	1			45	13.7

Done Internet



Web Based Site File Information

Maintained by: TNRCC Houston Regional Office

Area Map	Overall site view	Street level Map
NW	N	NE
W		E
SW	S	SE

Current Measurements at Galveston Airport C34/C109/C152

- Real-time monitoring since: Wednesday, April 16, 1997
- Current status: Active
- Parameters currently being monitored:
 - Pollution parameters:
 - NOy
 - Nitric Oxide
 - Nitrogen Dioxide
 - Oxides of Nitrogen
 - Ozone
 - PM-2.5 (Local Conditions)
 - Meteorological parameters:
 - Wind Speed
 - Resultant Wind Speed
 - Resultant Wind Direction
 - Maximum Wind Gust
 - Standard Deviation of Horizontal Wind Direction
 - Outdoor Temperature
 - Dew Point Temperature
 - Relative Humidity

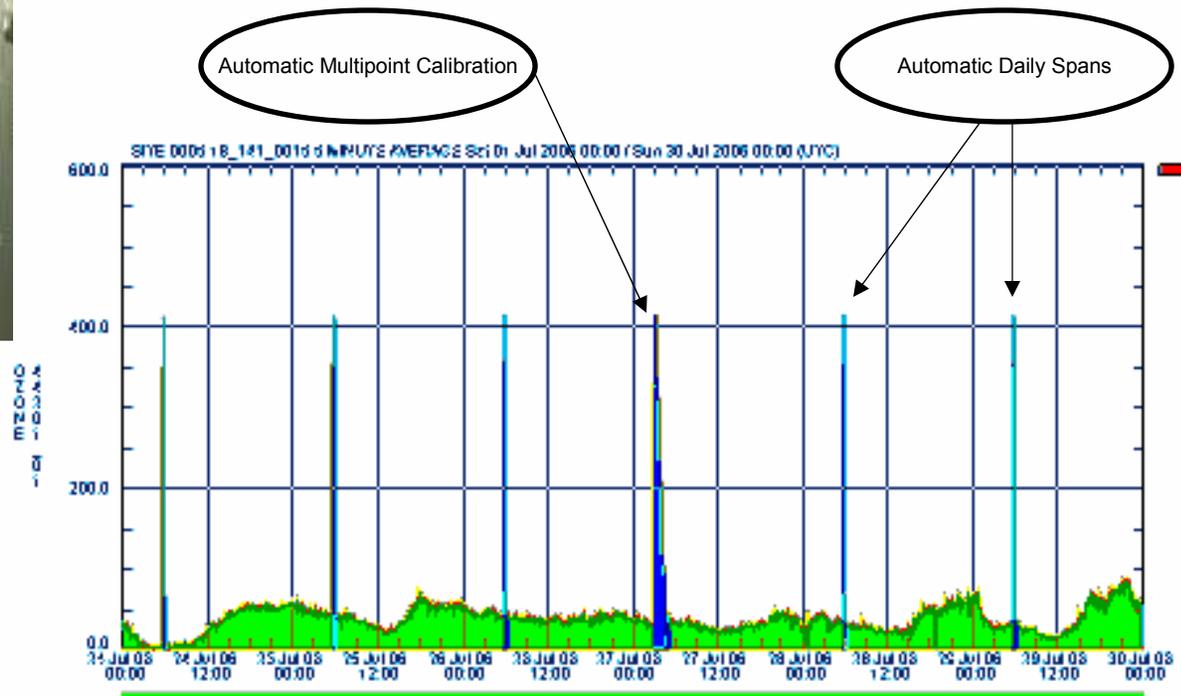
© 2000 Microsoft Corp. and/or its suppliers. All rights reserved.



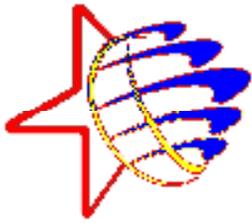
Automatic Calibrations & Spans



Manual Validation Editor
File Edit Options System



Top	▲	▼	Issue	Min	Max	←	→	Col	Time (UTC)
Time (UTC)	Value	Rep	Flags	Sign	Default	Use Rep	Show Interval	Visible	AMES
27 Jul 08 07:40	-63.2	K_MVD	Unknown	3058	-60.3			YES	YES



Internal Use Daily Status Report Web Page

IPSM Monitoring Operations - Netscape Browser

File Edit View Go Bookmarks Tools Help

http://172.27.3.52/

IPSM Monitoring Operations

Making Indiana a cleaner, healthier place to live.

IDEM

IPSM Monitoring Operations

Data Reporting Pages		
CAMS Status Reports	Current Hourly Averages By Parameter	Ozone 8-Hour 4 Highest
CAMS Average Sum Pollutant Summary	CAMS Hourly Averages By Site	Ozone 8-Hour Monthly Summary
Data Return	AQI (Air Quality Index) Ratings	Ozone 8-Hour High Value Days
Data Loss	Pollution Data By Parameter	8-hr Ozone Attainment
High Values	CAMS Data Printout	AIRS Precision Transactions File
Ozone Exceedance	Monthly Summary Report	Peak One-Hour Ozone
Ozone Summary	Five-Minute Quick Look	Plat Hourly Values
Data Extractor	Missing/Unexpected Data	Hourly Data Summary via Map
EPA Quick Look	Database Dump	Monthly Data Summary via Map
CAMS Calibration History	Current Ozone Levels Map	Current AQI Map
CAMS Cal Span History	Monitor Status	Current AQI Warnings

Status Pages						On-Line Documentation
Data Connections	Log Files	MeteoStar Configuration	Site Info	MeteoStar Software	Support Data	
Comms Report	CFEP Error Logs	EPA Site File	Air Site Info	Process Status	Contact Manager	Training Material
	Operator Logs	CAMS Definitions	Site Photos		Zero Checksum	Operating Procedures
	Validator Notes	Zero Channels	Site Summary		File Status	PMI Manual
	Error Word Decoder	Cal Limits	Site Details			AQI Calculator
	Chan 51 Decoder	Manual Cal	Site Startup			

Done No Full Scan



Web Based Communications, Calibration & Span Reports

Overall CAMS Summary - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Google http://dsr.trncc.state

Overall CAMS Summary

To view the status of an individual CAMS, select below:

6 El Paso, Downtown

Data Collected: 08/24/2005 00:00:00 through 08/25/2005 23:59:59 CST

Region	CAM Station	Status	Span / Cal	High Valr	Commi
06	6	El Paso, Downtown	OK	OK	OK
06	12	El Paso, UTEP	OK	OK	OK
06	36	El Paso Lower Valley Soun	OK	OK	OK
06	37	Ascenate Park Southeast	Span-Zero Warning	Prob	OK
06	40	El Paso, Sun Metro	OK	OK	OK
06	41	El Paso, Chamizal	OK	OK	OK
06	49	Socorro	OK	OK	OK
06	72	Skyline Park	OK	OK	OK
06	123	El Paso Womble	OK	OK	OK
06	316	Beavo Big Bend	OK	OK	OK
06	317	McDonald Observatory	OK	OK	OK
06	318	Sul Ross (Alpine)	OK	OK	OK
06	413	Tilman	OK	OK	OK
06	414	Ivanhoe	OK	OK	OK
06	415	Moon City	OK	OK	OK
06	661	Advance-Juarez MX	OK	OK	Fail
06	662	20-30 Club-Juarez MX	OK	OK	Fail
06	663	Delphi-Juarez MX	OK	OK	OK

Microsoft Internet Explorer 4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.0.3705)

Calibration Results - Netscape

Pollutant: Ozone (O3) 44201_02

Calibration Status: **Passed**

Reject Ambient Data Back: **False**

Reject Ambient Data Forward: **False**

Level	Monitor: Outdoor Test (uv)				3 Point		2 Point		Limit	Flag
	Stat	1	2	3	Avg	Diff	Avg	Diff		
M	493	783	800	811	814	808	-3		40	
K	490	619	621	621	622	621	1		50	
S	482	418	417	418	418	417	1		20	
T	264	191	191	190	191	191	0		20	
G	50	-1	-1	-1	-1	-1	0		20	

Level	Concentration Outdoor Test (ppb)				3 Point		2 Point		Limit	Flag
	Stat	1	2	3	Avg	Diff	Avg	Diff		
M	380	400	400	400	400	0		6		
K	300	300	300	300	300	0		6		
S	200	200	200	200	200	0		6		
T	95	90	90	90	90	0		6		

Test Measured/Calc.	Meas	Ideal	Diff	Warn	Fail	Flag
M Coec Spac (ppb)	400	400	0	40	60	
K Coec Spac (ppb)	300	300	0	30	45	
S Coec Spac (ppb)	200	200	0	20	30	
T Coec Spac (ppb)	90	90	0	9	14	
Slope (uv/ppm)	2029.09	2000.00	29.09	200.00	400.00	
Intercept (uv)	2.54	0.00	2.54	22.00	50.00	
M-Precision (uv)	308.3	817.2	-5.8	15.0	30.0	
K-Precision (uv)	621.4	614.2	7.2	12.0	30.0	
S-Precision (uv)	417.0	411.2	5.8	12.0	30.0	
T-Precision (uv)	190.6	188.2	2.4	15.0	30.0	
G-Precision (uv)	-1.2	3.3	-6.6	12.0	30.0	
Levz (uv)	-1.27	-1.30	-0.17	12.00	30.00	
Spac (uv)	808	764	44	60	120	

Netscape5.0 (Windows: en-US)



Web Based Precision Reports

AIRS Precision Report Filter - Netscape

File Edit View Go Bookmarks Tools Window Help

http://ldr.trncc.state.tx.us/cgi-bin/lr/select_precision

New Tab AIRS Precision Report Filter

Generate Precision and Summary Reports

Please make your selections below:

What is the first month you want data for?
April 2005

What is the last month you want data for?
June 2005

TCEQ Select a reporting entity

10% Allowable Error (before detailed span results are shown)

Webified Plain Text

Reset to Defaults Generate Report

Download a Quarterly Report

Latest Precision Report available: 2nd Quarter of 2005

Next Automatic Precision Report due: 3rd Quarter of 2005 on November 1, 2005

TCEQ Select a reporting entity

Download a Quarterly AIRS Precision Report

Precision Report Entity Summary

Use this report to figure out which reporting entity (if any) a particular parameter/POC combinat

Home Back Forward Stop Reload



Automatic Data Screening For Calibrations, Spans and Extraneous Data

Houston East C1 Daily Summary - Netscape

File Edit View Go Bookmarks Tools Window Help

http://dsr.brcc.state.tx.us/cgi-bin/dr/daily_summary

Houston East C1 Daily Summary

Use the controls below to select a different site or time format and/or control cell highlighting based on measured value or EPA-2.5 levels. Click on the Generate Report button once you have made your separate window containing data plots.

Select a different site
 Week: Day: Year: Time Format:

Ozone Highlights: Healthy Moderate Unhealthy for Sensitive Unhealthy Very Unhealthy Include Legend
 PM-2.5 Highlights: Healthy Moderate Unhealthy for Sensitive Unhealthy Very Unhealthy Hazardous Include Legend

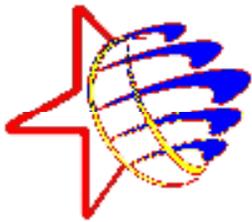
Highlight calculated data
 Include Non-Public Monitors
 Ensure WVVW Report

Automatic Data Screening

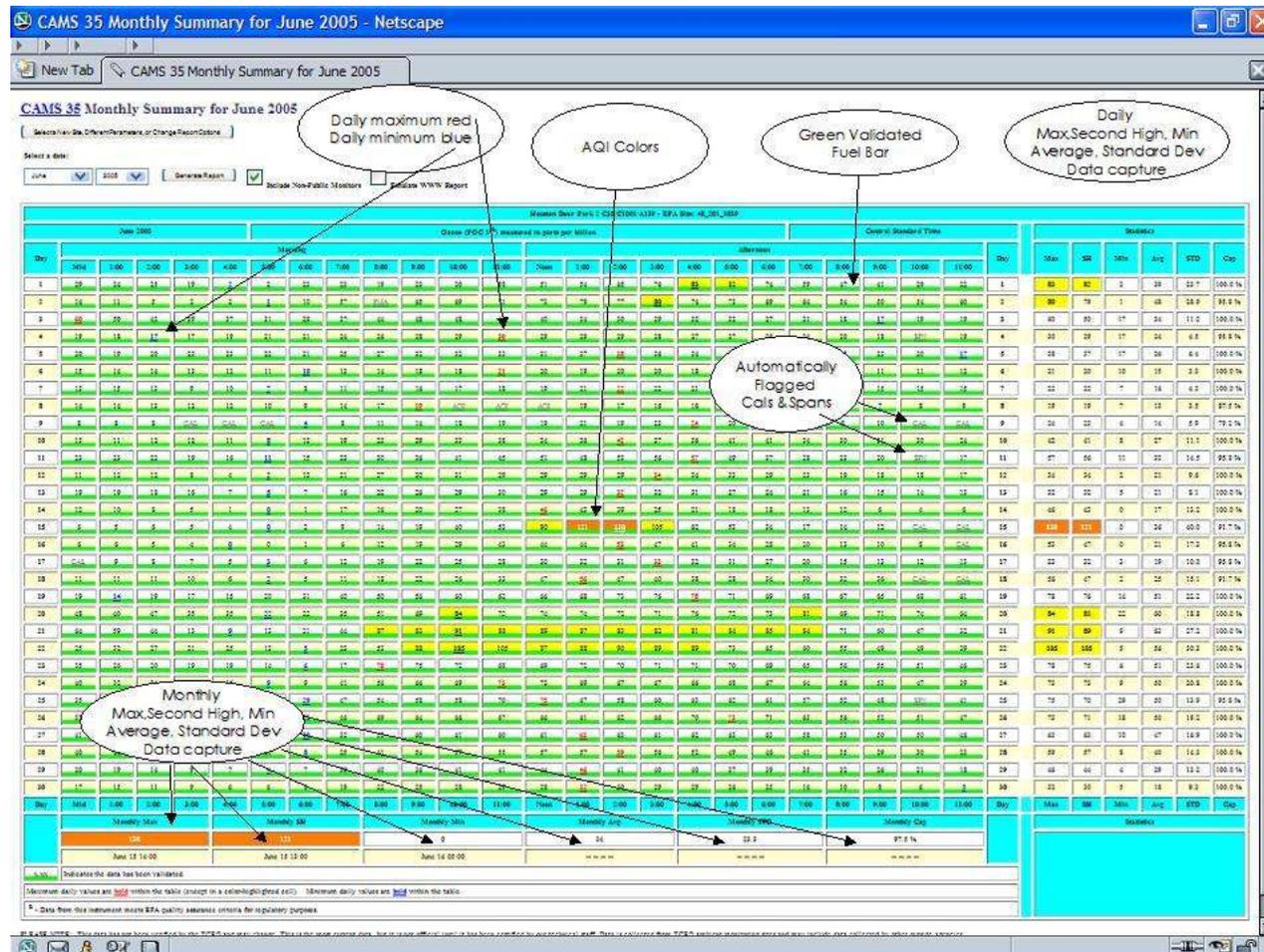
The table below contains hourly averages for all the pollutants and meteorological conditions measured at Houston East C1 for Sunday, August 20, 2000. All times shown are in Central Standard Time.

Parameter Measured	Morning												Afternoon			Parameter Measured	EQC	
	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00			8:00
Nitric Oxide	1.7	2.5	2.5	2.5	3.5	5.5	47.2	20.1	10.9	8.7	5.1	1.6	0.4	0.7	PREV	1.6	Nitric Oxide	1
Nitrogen Dioxide	2.5	2.5	2.5	3	8.1	7.8	7.9	14.6	17.4	22.2	15.5	10.7	8.4	8.8	PREV	1.6	Nitrogen Dioxide	1**
Oxides of Nitrogen	4.2	5.0	5.0	5.4	11.6	15.6	15.5	32.2	37.8	44.4	31.0	19.1	16.8	17.6	PREV	1.6	Oxides of Nitrogen	1
Ozone	0	0	0	0	0	0	0	2	8	14	20	34	62	70	PREV	1.6	Ozone	2**
Wind Speed	1.1	1.2	1.1	1.3	2.8	8.7	1.2	1.5	2.6	2.8	5.1	2.5	3.4	3.0	PREV	1.6	Wind Speed	1
Resultant Wind Speed	0.6	0.7	0.4	0.9	0.4	8.1	0.9	1.0	1.9	1.7	1.9	1.9	2.8	0.9	PREV	1.6	Resultant Wind Speed	1
Maximum Wind Direction	287	174	272	312	98	230	88	242	245	278	282	327	21	100	PREV	1.6	Maximum Wind Direction	1
Maximum Wind Gust	3.5	2.1	3.4	3.9	7.9	7.8	3.0	4.2	6.1	7.0	8.0	8.3	9.2	10.2	PREV	1.6	Maximum Wind Gust	1
Avg. Dir. Wind Direction	43	92	84	48	37	22	49	48	48	52	51	58	92	87	PREV	1.6	Avg. Dir. Wind Direction	1
Outdoor Temperature	80.0	79.3	79.2	78.8	78.9	78.7	79.3	81.2	84.5	87.0	88.6	91.0	92.1	92.7	PREV	1.6	Outdoor Temperature	1
Internal Station Temperature	80.0	80.0	80.1	80.2	79.9	80.0	79.8	79.9	80.1	80.2	80.4	80.5	80.6	80.6	PREV	1.6	Internal Station Temperature	1
PM-2.5 Local Conditions	15.61	14.55	13.79	14.25	19.27	19.33	21.82	23.81	17.24	19.37	19.64	14.22	13.98	14.63	PREV	1.6	PM-2.5 Local Conditions	5

Maximum values for each parameter are **bolded** within the table. Minimum values are **bolded** (none).
 ** - Data from this instrument meets EPA quality assurance criteria for regulatory purposes.



Automatic Data Screening For Calibrations, Spans and Extraneous Data





Web Based Ozone 4 Highest, 8 Hour Average and High Value Days

The screenshot shows three browser windows from Microsoft Internet Explorer:

- Left Window: Four Highest Eight Hour Ozone Concentration in 2005 as of August 24**

This report lists the top four monitoring sites based on their highest 8-hour ozone concentration in 2005. The table below shows the top four sites:

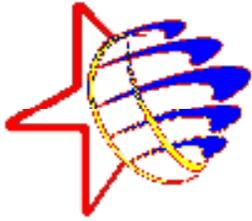
Site	Monitoring No.	PKC	Region	Second Highest	Third Highest	Fourth Highest
Waco, TX	1	0122290	1000	89	89	119
Waco, TX	1	0122290	1000	111	101	100
Waco, TX	1	0122290	1000	111	101	100
Waco, TX	1	0122290	1000	111	101	100
- Middle Window: Daily Maximum Eight Hour Ozone Averages for August 2005**

This report provides a daily breakdown of maximum 8-hour ozone averages for August 2005. The table below shows the daily values:

Day	Max Value
1	89
2	89
3	89
4	89
5	89
6	89
7	89
8	89
9	89
10	89
11	89
12	89
13	89
14	89
15	89
16	89
17	89
18	89
19	89
20	89
21	89
22	89
23	89
24	89
25	89
26	89
27	89
28	89
29	89
30	89
31	89
- Right Window: Eight-Hour Ozone High Value Days for 2005 as of August 24**

This report lists all high-value days for 2005, sorted by maximum value. The table below shows the top entries:

Location	Region	CAMS	AIRS	Date	Time	Value	POC
Creeley Library C555	12	553	48_201_0553	June 2 2005	10:00	125	1 N
Conroe Relocated C78	12	28	48_319_0078	June 2 2005	12:00	123	1
Kingwood Library C555	12	553	48_201_0555	June 2 2005	10:00	123	1 N
Lynchburg Ferry C1015/A165	12	1015	48_201_1015	August 21 2005	10:00	118	1
Ft. Worth Northwest C13/A302	04	13	48_439_1002	June 21 2005	11:00	117	2



Web Based Data Capture Reports

Data Return Report

00:00 LST July 1, 2005 through 00:00 LST August 1, 2005

Region	CAMS	Location	Pollutant Data							Meteorological Data			
			CO %	O3 %	SO2 %	NO2 %	PM-10 %	PM-2.5 %	PM10 %	Wind Dir	Wind Spd	Temp	Max %
01	79	Fantex TCT9	*	*	*	*	*	*	*	97.6	97.6	100.0	98.4
01	320	Amarillo Texas A&M C120	*	*	*	*	*	99.5	99.6	*	*	*	*
		Region 01 Average	**	**	**	**	**	99.5	99.6	97.6	97.6	100.0	98.4
			CO %	O3 %	SO2 %	NO2 %	PM-10 %	PM-2.5 %	PM10 %	Wind Dir	Wind Spd	Temp	Max %
03	315	White Falls C315	*	*	*	*	*	99.9	99.9	100.0	100.0	100.0	100.0
		Region 03 Average	**	**	**	**	**	99.9	99.9	100.0	100.0	100.0	100.0
			CO %	O3 %	SO2 %	NO2 %	PM-10 %	PM-2.5 %	PM10 %	Wind Dir	Wind Spd	Temp	Max %
04	13	Ft. Worth Northwest C13 A302 [F]	99.1	99.2	*	97.4	*	*	98.6	99.9	99.9	99.9	99.9
04	17	Keller C17	*	99.2	*	*	*	*	99.2	100.0	100.0	100.0	100.0
04	31	Frisco C31	*	99.2	*	*	*	*	99.2	100.0	100.0	100.0	100.0
04	52	Midlothian CFW C52 A157	*	*	98.3	96.9	*	*	97.6	99.7	99.7	99.7	99.7
04	56	Deer Park Airport South C56 A165 X157	*	99.2	*	97.6	*	99.5	98.7	99.7	99.7	99.9	99.9
04	60	Dallas Hinson St. C401 C60 A161 [E]	98.0	98.9	98.8	91.9	*	99.3	95.4	100.0	100.0	100.0	100.0
04	61	Arlington Municipal Airport C61	98.9	98.8	*	96.4	*	99.5	98.4	100.0	100.0	100.0	100.0
04	65	Dallas North No.1 C65	*	98.9	*	90.2	*	*	97.0	16.8	16.8	99.9	44.1
04	69	Kookwall Meath C69	*	99.2	*	*	*	*	99.2	99.9	99.9	99.9	99.9
04	70	Grapevine Fairway C70 A301 X182	*	99.2	*	98.4	*	99.7	99.1	81.6	81.6	99.9	87.7
04	71	Kaufman C71 A304 X2071	*	98.9	98.4	97.3	*	99.1	98.4	100.0	100.0	100.0	100.0
04	73	Granbury C73	*	99.2	*	*	*	*	99.2	100.0	100.0	100.0	100.0
04	74	Sunnyvale Long Creek C74	*	99.1	*	*	*	88.7	93.9	86.3	86.3	100.0	90.9
04	75	Eagle Mountain Lake C75	*	99.2	*	*	*	*	99.2	100.0	100.0	100.0	100.0
04	76	Farber County C76	*	99.2	*	*	*	*	99.2	100.0	100.0	100.0	100.0
04	77	Cleburne Airport C77	*	99.2	*	*	*	*	99.2	100.0	100.0	100.0	100.0
04	84	Midlothian Tomer C84 A305 X158	*	99.1	98.1	98.3	*	98.1	98.4	75.4	75.4	99.6	83.3
04	302	Midlothian Wyatt Road C302 A306	*	*	98.3	98.3	*	98.8	98.3	99.9	99.9	99.9	99.9
04	308	Diamond Hill Fort Worth C308	*	*	*	*	*	99.3	99.3	*	*	*	*
04	310	Mans Athletic Center C310	*	*	*	*	*	99.6	99.6	*	*	*	*
04	1006	Greenville C1006 A198	*	99.1	*	98.3	*	*	98.7	99.9	99.9	99.9	99.9
		Region 04 Average	95.3	99.1	98.4	96.9	**	98.2	98.0	92.6	92.6	99.9	95.0



EPA Perk-Elmer Automated Gas Chromatograph Web Pages

Mustang Bayou [27] Daily Summary - Netscape

File Edit View Go Bookmarks Tools Window Help

New Tab Mustang Bayou [27] Daily Summary

Mustang Bayou [27] Daily Summary

Effects Screening Levels (ESLs) are used to evaluate the potential for effects to occur as a result of exposure to concentrations of constituents in the air. ESLs are based on data concerning health effects, odor, and vegetation effects. They are not ambient airborne levels of a constituent do not exceed the screening level, adverse health or welfare effects would not be expected to result. If ambient levels of constituents in air exceed the screening levels, it does not necessarily indicate a problem, but rather, any questions about the potential for health, odor, or vegetation effects from exposure to the reported concentrations please contact the Toxicology Section by telephone at (312) 239-1790 or by email at epa@perc.state.tx.us.

Use the controls below to select a different date or site. Click on the Generate Report button once you have made your selections.

Select a date: Measured in: ppb Volume ppb Carbon

Effects Screening Level Highlights: 1.00x Odor 1.00x Health (if defined for a particular parameter)

Report Format: Tabular (webtable) Column delimited

Embed WWW: This only appears on internal pages

Hourly Auto-GC

Historical Archive

Automatic Data Flagger

The table below contains hourly averages for Wednesday, August 24, 2005. All times shown are in Local Standard Time regardless of Daylight Savings Time Observance.

Parameter	Morning												Afternoon												Odor Est.	Health ESL	Parameter
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00			
Ethane	7.25	84.42	11	11	82.80	147.24	201.97	64.92	5.40	5.12	3.33	3.32	3.33	4.37	1.85	1.00	1.00	0.76	0.33	1.88	5.70	5.10	5.40	16.92	10000	Ethane	
Ethylene	2.08	0.77	11	11	0.97	1.40	2.29	2.29	2.31	3.32	3.32	1.88	1.88	2.35	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.18	1002	Ethylene	
Propane	4.44	92.94	11	11	114.60	91.85	60.29	5.74	1.71	1.11	1.15	1.09	1.99	0.79	0.42	0.48	0.18	0.24	0.55	1.45	3.27	1.48	5.71	10000	Propane		
Propylene	2.51	1.15	11	11	0.78	0.44	0.71	0.62	0.25	0.16	0.23	0.78	3.01	0.25	0.20	0.30	0.24	0.00	0.00	0.00	0.08	0.22	0.27	0.27	68120	Propylene	
Isobutane	0.17	45.24	11	11	22.17	48.58	26.24	23.34	1.60	0.49	0.27	0.75	5.67	5.66	0.21	0.10	0.11	0.04	0.27	0.14	0.98	0.98	0.88	2.71	2042	3000	Isobutane
n-Butane	1.34	28.78	11	11	33.47	49.29	24.00	22.50	1.97	0.81	0.38	0.32	0.24	0.23	0.28	0.18	0.20	0.02	0.33	0.16	1.19	1.33	0.80	3.23	3000	n-Butane	
Acetylene	0.05	0.05	11	11	0.10	0.11	0.15	0.21	0.12	0.00	0.00	0.07	0.08	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22000	Acetylene	
c-1-Butane	0.16	0.15	11	11	0.15	0.15	0.24	0.15	0.34	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	600	c-1-Butane	
1-Butane	0.13	0.08	11	11	0.08	0.09	0.07	0.08	0.08	0.08	0.12	0.27	0.08	0.04	0.06	0.03	0.04	0.02	0.02	0.00	0.00	0.01	0.04	0.03	49	7400	1-Butane
c-2-Butane	0.07	0.05	11	11	0.04	0.05	0.05	0.04	0.04	0.03	0.05	0.05	0.04	0.00	0.02	0.00	0.05	0.04	0.05	0.05	0.04	0.04	0.03	0.04	300	7400	c-2-Butane
Cyclopentane	0.13	0.70	11	11	0.33	1.11	0.82	0.54	0.09	0.04	0.05	0.04	0.09	0.02	0.02	0.02	0.02	0.03	0.02	0.07	0.10	0.03	0.14	1190	Cyclopentane		
Isopentane	1.13	15.00	11	11	13.48	19.85	14.49	9.37	5.06	0.34	0.23	0.23	0.24	0.28	0.14	0.10	0.10	0.05	0.19	0.13	0.68	0.80	0.41	1.40	1200	Isopentane	
n-Pentane	1.14	33.40	11	11	39.55	25.40	13.23	7.17	7.75	0.28	0.18	0.23	0.23	0.27	0.10	0.04	0.07	0.02	0.12	0.08	0.57	0.70	0.32	1.24	1200	n-Pentane	
1,3-Butadiene	0.24	2.05	11	11	0.87	0.67	0.32	0.22	0.07	0.00	0.00	0.05	0.19	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30	1,3-Butadiene	
c-1-Pentane	0.24	0.00	11	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30	3000	c-1-Pentane	
2-Methyl-2-Butene	0.24	0.02	11	11	0.02	0.02	0.02	0.02	0.02	0.00	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	220	3000	2-Methyl-2-Butene	
1-Pentane	0.03	0.01	11	11	0.01	0.01	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30	8000	1-Pentane	
c-2-Pentane	0.03	0.00	11	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30	8000	c-2-Pentane	
2,2-Dimethylbutane	0.03	0.40	11	11	0.44	0.66	0.44	0.29	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.04	1000	2,2-Dimethylbutane		
2-Methylpentane	0.03	0.02	11	11	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	85	1000	2-Methylpentane	
Isoprene	0.05	0.03	11	11	0.03	0.04	0.05	0.12	0.28	0.18	0.18	0.24	0.29	0.24	0.24	0.19	0.39	0.33	0.22	0.02	0.04	0.03	0.03	3	144	Isoprene	
n-Hexane	0.20	3.17	11	11	3.07	4.27	3.30	2.04	0.25	0.13	0.10	0.06	0.06	0.07	0.04	0.00	0.01	0.00	0.04	0.04	0.28	0.37	0.15	0.29	500	n-Hexane	

Looking for data at Mustang Bayou [27]



Web Based Data Base Query Page

All Data Is Kept On-Line All-The-Time

MeteoStar LEADS Data Extraction - Netscape

File Edit View Go Bookmarks Tools Window Help

New Tab MeteoStar LEADS Data Extraction

MeteoStar LEADS Data Extraction

Select a date:

Select A Month
June 2006

Select A Quarter
1st Quarter 2006

Select A Year
2006

Select A Date Range
Start date: January 1 2006
End date: June 20 2006

Selected Months Within A Year Range
Start year: 2006 End year: 2006
 Jan Feb Mar Apr
 May Jun Jul Aug
 Sep Oct Nov Dec

Select a Parameter:

Zero Parameters: (five-minute and one-hour data)
Ozone

AutoGC Parameters: (one-hour data only)
Benzene (CAS: 71-43-2)

Select a Database:

Five-minute (Zero parameters only)
 One-hour

Output Device:

Web browser
 File: none

Append to existing output file
 Override existing output file
 Force unique output file name
Notification e-mail address: none
Configuration file:
 Create new configuration file
none
 Override existing config file
 Force unique config file name
 Use existing configuration file
RHTexas.cfg

Select a format:

Generic (delimited)
 ICARIT Format
 NARSTO Format

Generate Report Reset to Defaults

Report Options

Time base: Universal Coordinated Time (UTC) Local Standard Time (LST)

Decimal to display: 2

Output formatting: Truncate hourly ozone to zero decimal places Round hourly ozone to selected decimal places

Date format: YYYYMMDD (ISO) DDMMYYYY DD-MM-YYYY MMDDYYYY MM-DD-YYYY

Time format: hh:mm (AM/PM) hh:mm (24-hour) hh:mm (ISO) Display Seconds

How do you want to display non-ambient data: (applies to five-minute Zero data and AutoGC data)

Show as flag only (CAL, NOL, etc.)
 Show data with flag (14.1[FMA], 100.0[PN], etc.)

Carbon monoxide unit: Parts per Million (PPM) Parts per Billion (PPB)

AutoGC unit: Parts per Billion-Carbon Parts per Billion-Voltime

Water parameter data interval: Include echoed samples 12-minute raw samples only

Column delimiter: Comma Space(s) 8 Tab Character

Column alignment: Right Left

Column sorting order: CANS number or AutoGC Site EPA site number Region then CANS number or AutoGC Site Region then EPA site number

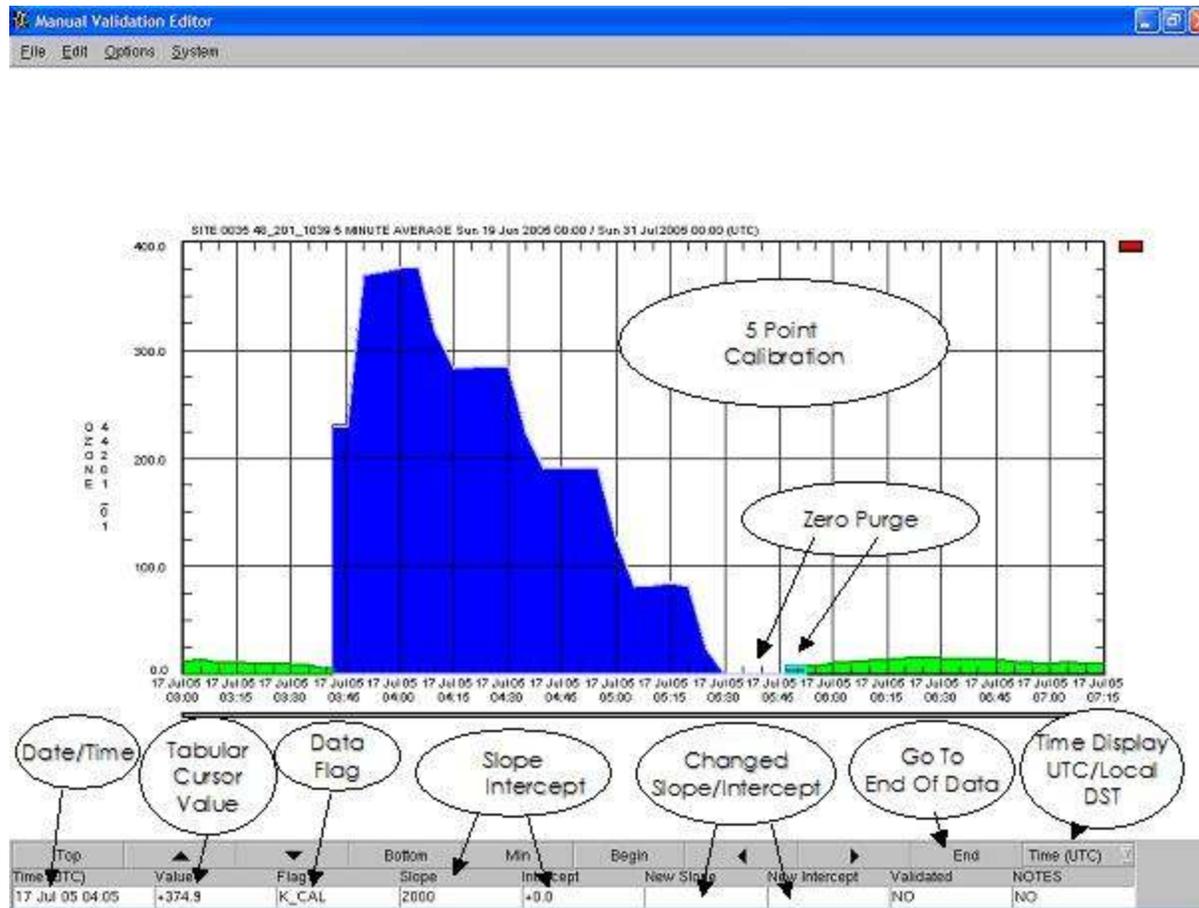
Site identifier to include in column headers: CANS Number or AutoGC Site (C1, or Site_A, etc.) EPA Site ID (48_101_1014, etc.)

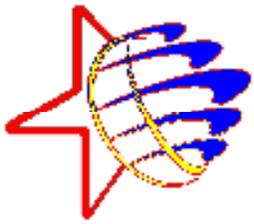
Parameter identifier to include in column headers: Do not include parameter identifier EPA Parameter Number (44101, etc.) Parameter Name (ozone, etc.) Parameter Abbreviation (O3, etc.) CAS Number (71-43-2, etc. - AutoGC data)

Done

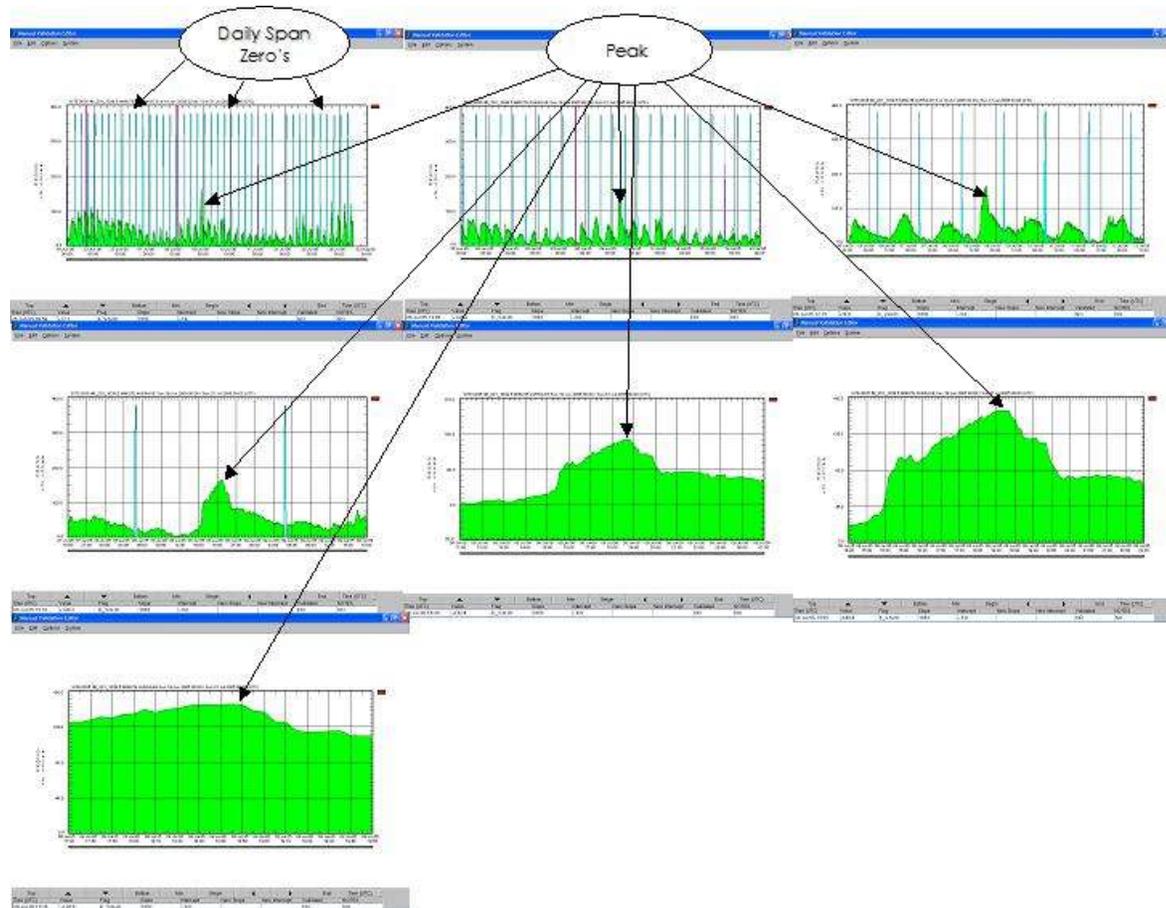


Graphical Data Editing Tools





Zoom Capability





Web Based Plotting

Graph Site Data



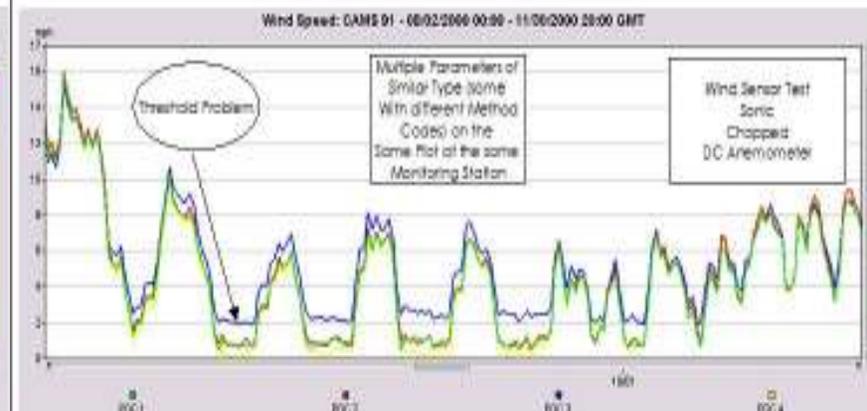
Select CAMS: CAMS 90 - TMRCC Test Site C90

Select Parameter: Outdoor Temperature -- 62101.1 Use all POCs ↑

Select Time Zone: GMT

Start date: August 1 2001 End date: August 2 2001

Graph Site Data



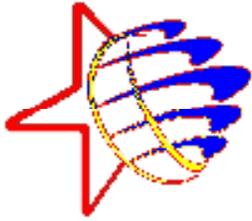
Select CAMS: CAMS 91 - TMRCC Test Site C91

Select Parameter: Wind Speed -- 61101.1 Use all POCs ↑

Select Time Zone: GMT

Start date: August 2 2000 End date: August 2 2001

Parameter Occurrence Code (POC)



Air & Water Quality Alerting System



Select the Report Content

- Alert Summary
- Alert Statistics
- Both

Select the Reporting Period

- All Available
- Specify Start and End Dates

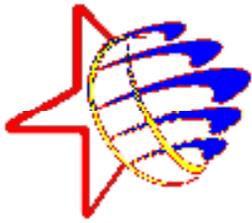
Start Date: Sep 1 2004

End Date: Sep 3 2004

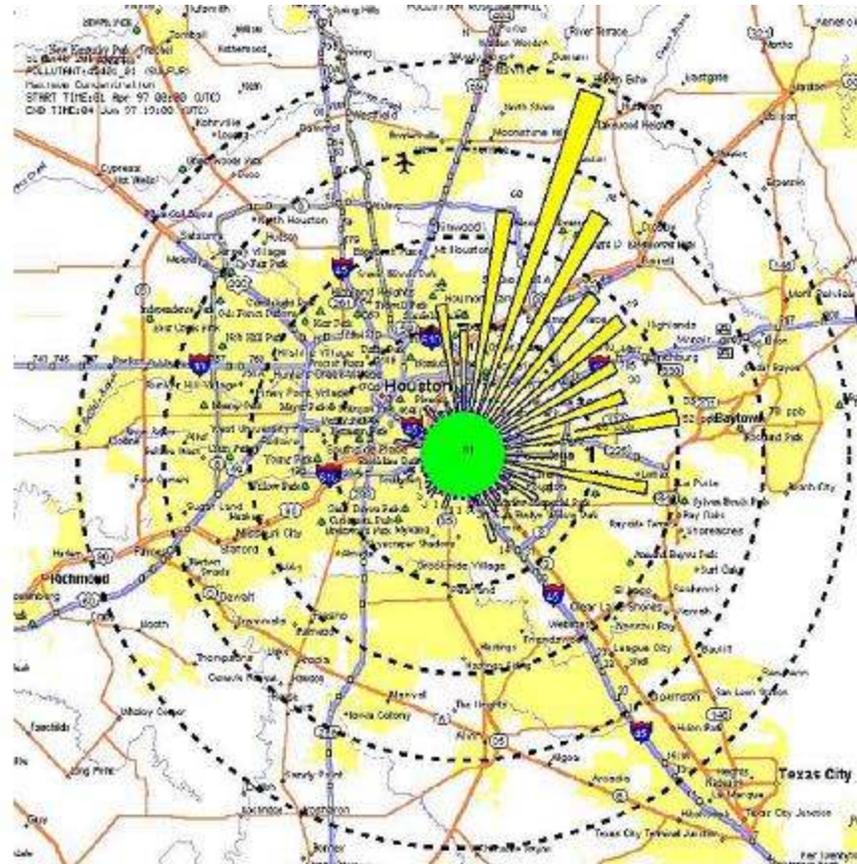
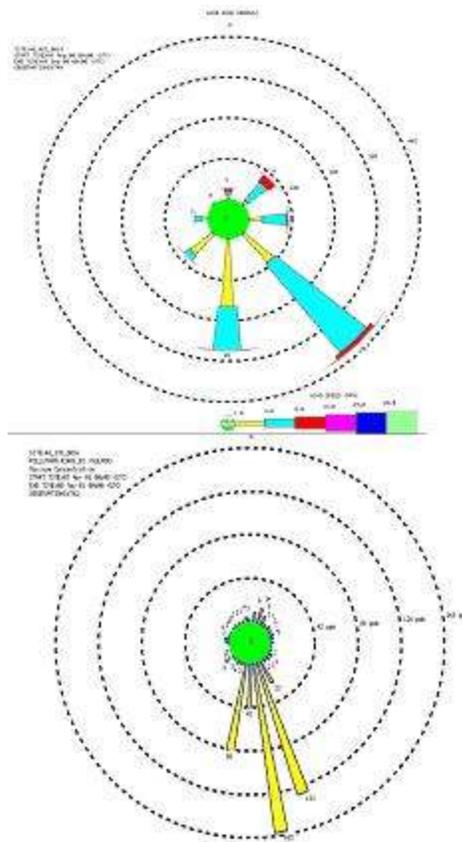
Generate Report

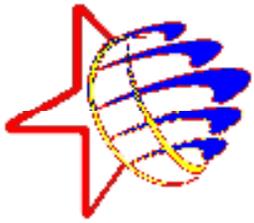
EMRS Alerts for Period Sep 1, 2004 3:00 To Sep 2, 2004 5:00

EMRS Alerts							
Date	Time	Site	Parameter	Level	Value	Speed	Direction
					ppbC	mph	deg
Sep 1, 2004	3:00	Houston Deer Park 2 C35 C1001/A139	Ethylene	LOW	30.38	1.8	49
Sep 1, 2004	3:00	Danciger C618	t-2-Butene	LOW	1.58	2.6	360
Sep 1, 2004	5:00	Lake Jackson C1016	1,3-Butadiene	LOW	1.49	3.8	58
Sep 1, 2004	5:00	Cesar Chavez C1020/175	1-Butene	MEDIUM	93.67	1.4	47
Sep 1, 2004	6:00	Danciger C618	Propylene	LOW	16.33	2.3	355
Sep 1, 2004	5:00	Danciger C618	c-2-Butene	LOW	0.48	2.7	26

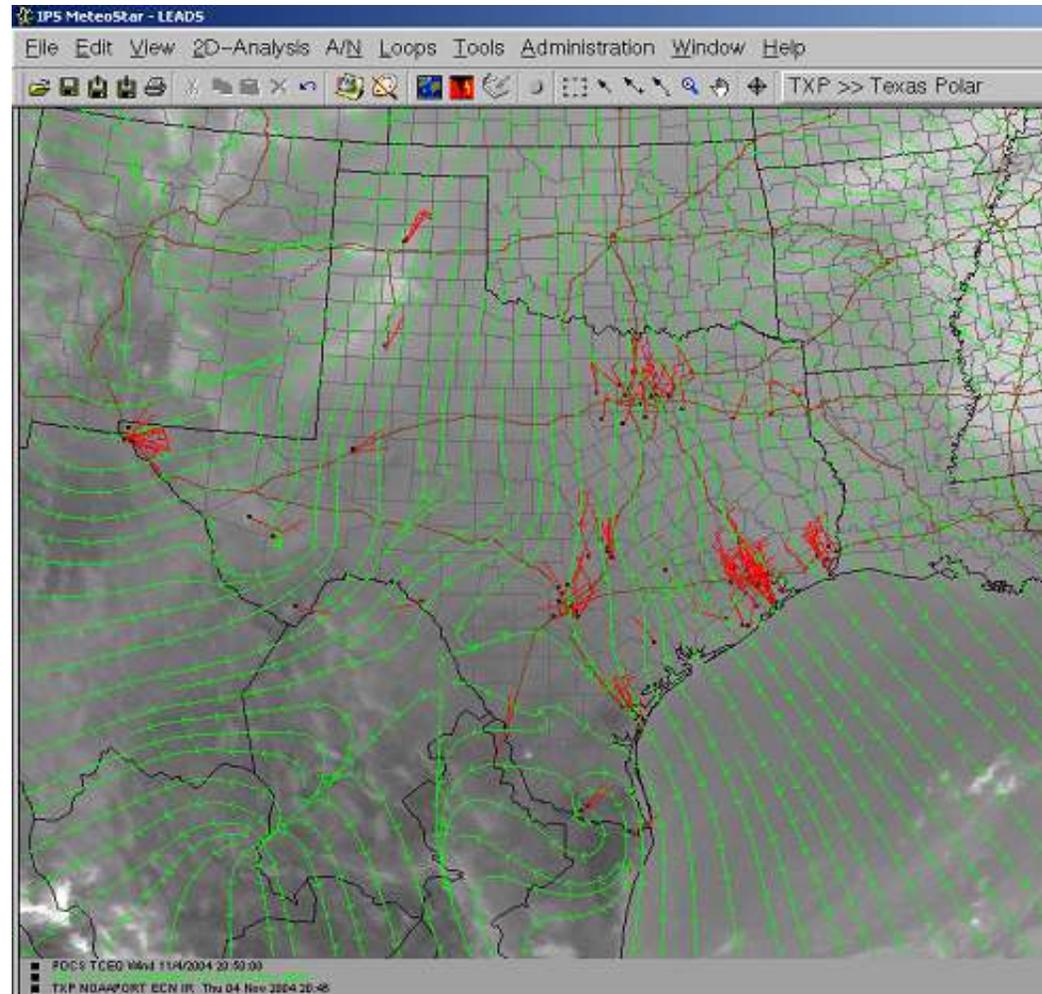


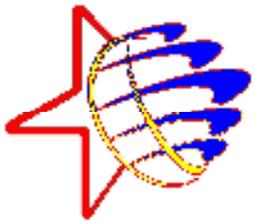
Wind Roses & Pollution Roses



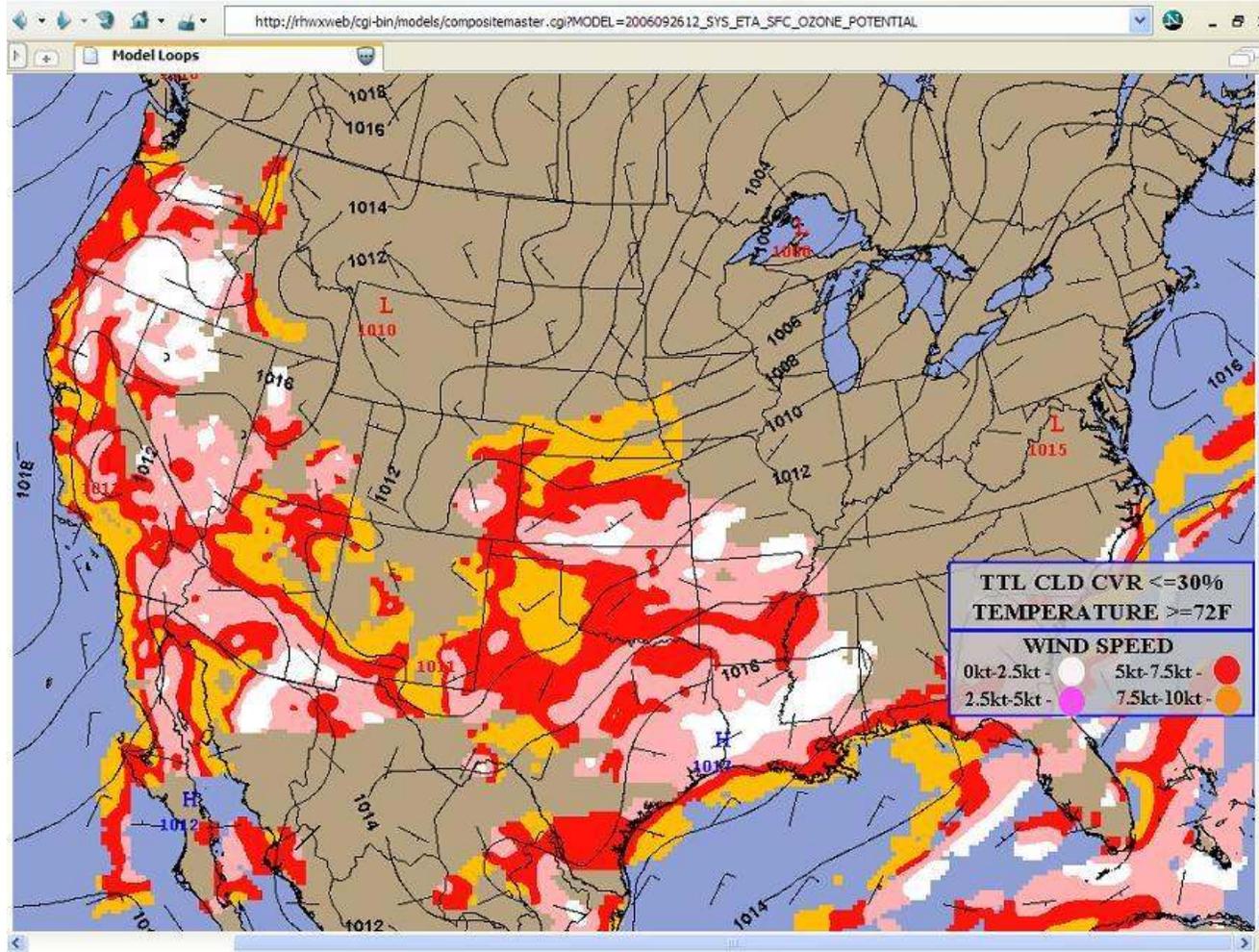


Weather User Interface For Data Fusion & Overlay Capability



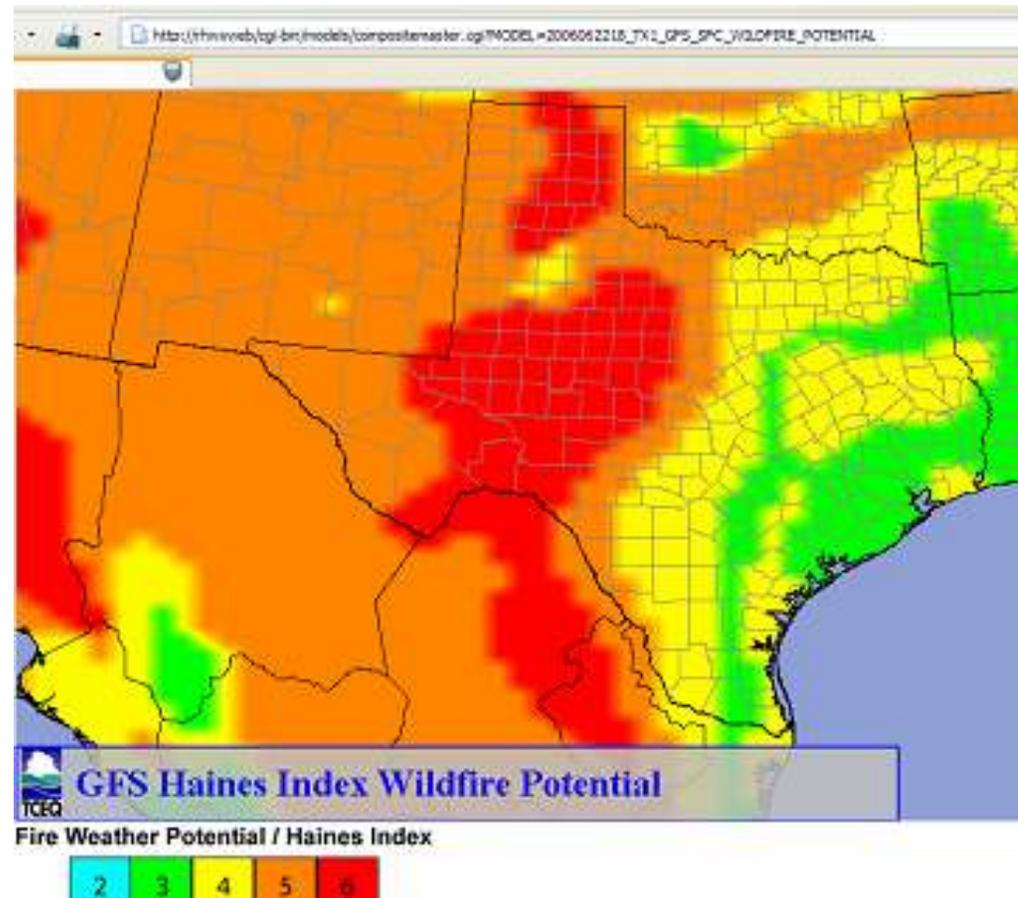


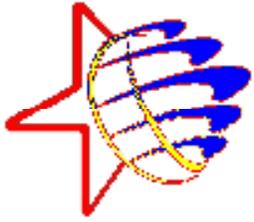
Ozone Potential Forecast



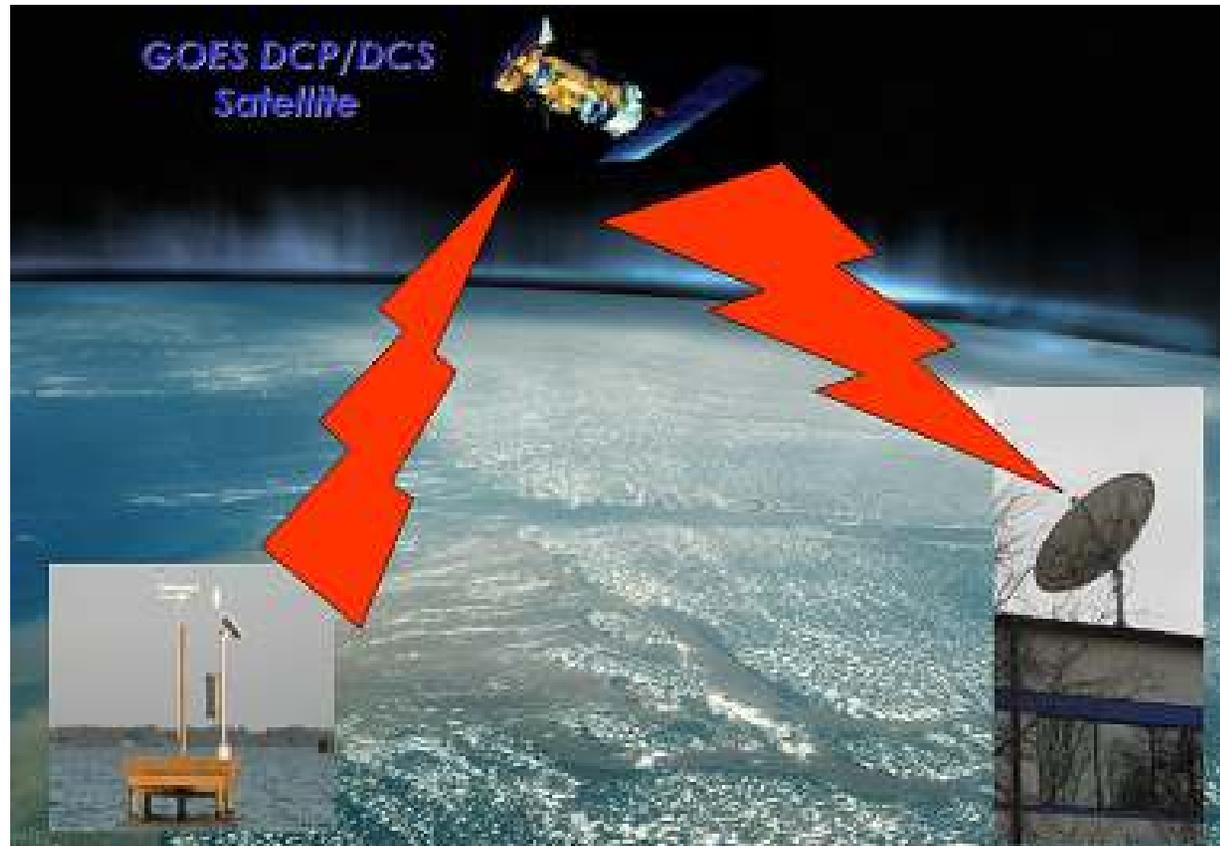


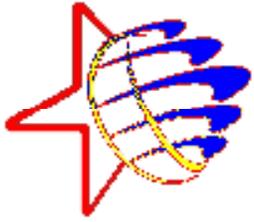
Fire Potential Forecast





Direct GOES Communications Capability





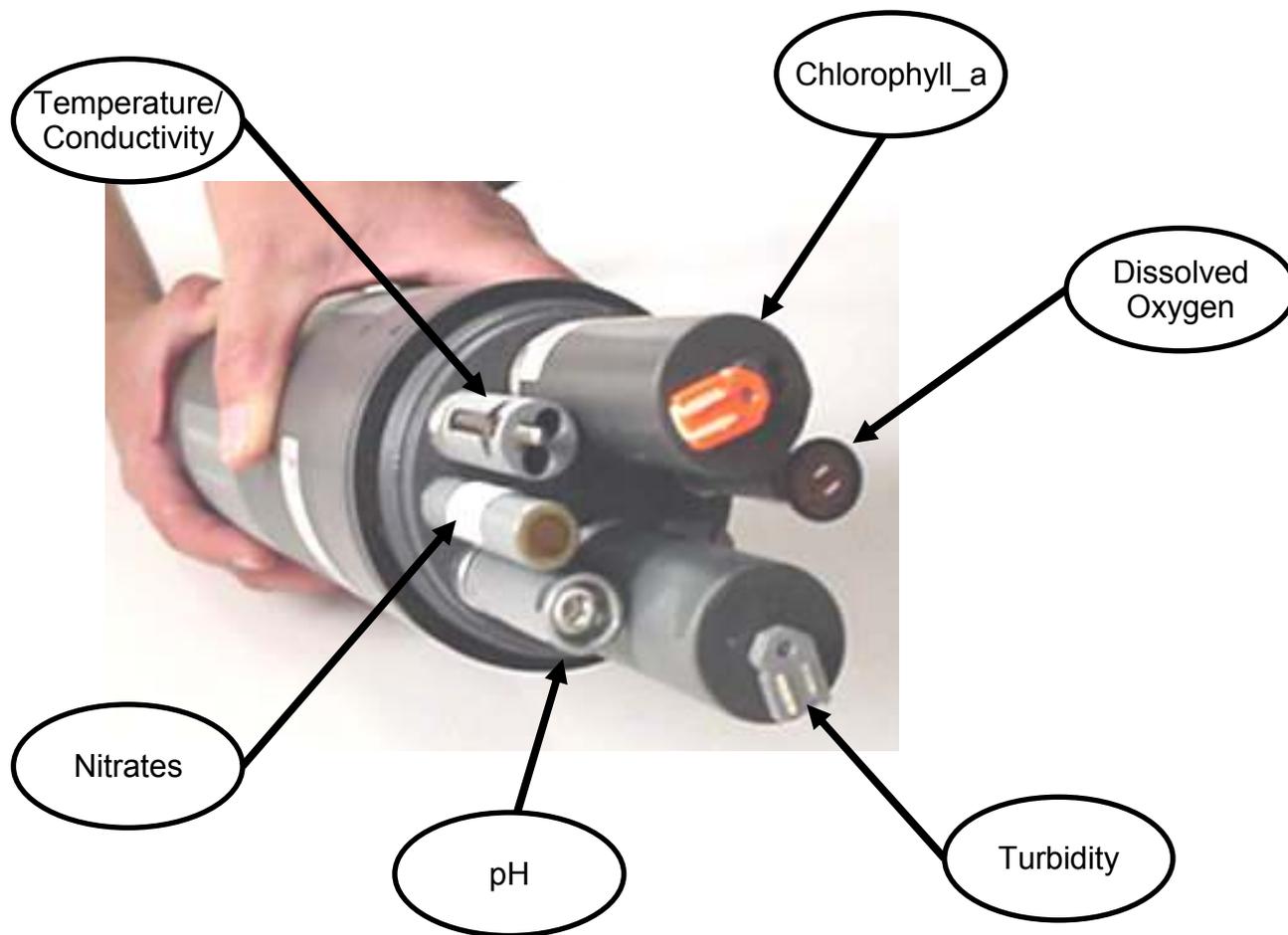
VSAT Satellite Communications

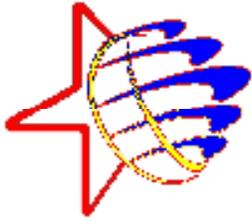




Water Monitoring Sensors

LEADS Uses a Wide Variety Of Water Monitoring Probes
And Wet Chemistry Systems





Live Air & Water Quality LEADS Web Pages

Continuous Air Quality Monitoring

Air Quality Index Report with hierarchical alerts

http://www.tceq.state.tx.us/cgi-bin/compliance/monops/texas_aqi

Data by site

http://www.tceq.state.tx.us/cgi-bin/compliance/monops/select_summary

Data by Parameter

http://www.tceq.state.tx.us/cgi-bin/compliance/monops/daily_average

Data report by month

http://www.tceq.state.tx.us/cgi-bin/compliance/monops/select_month

Air Monitoring site information

http://www.tceq.state.tx.us/cgi-bin/compliance/monops/site_photo

Ozone Animation's

http://www.tceq.state.tx.us/cgi-bin/compliance/monops/ozone_animation

Try Houston/Galveston for October 7th 1999

Continuous Water Quality Monitoring

http://www.tceq.state.tx.us/cgi-bin/compliance/monops/select_water_daily

http://www.tceq.state.tx.us/cgi-bin/compliance/monops/site_photo?702