

IPS MeteoStar LEADS





IPS MeteoStar TCEQ's



Air & Water Monitoring System

✓ Over 180 Near Real-Time Air & Water Quality Monitoring Stations.

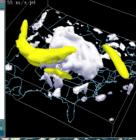


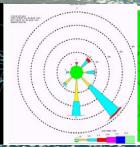
✓ Integration Of Satellite Imagery & Observations

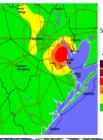


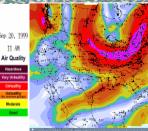
✓ Automated Email Forecasts, Warnings, And Alerts



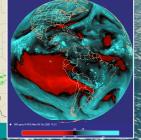














TREX Network TRibal Environmental exchange Network

ESE 6 Gusting to 14 m



C1018-Lone Pine Paiute/Shoshone Tribe-CA

✓ Select a Site

CAMS 1018 C1018-Lone Pine Palute/Shoshone Tribe-CA

ordinates:

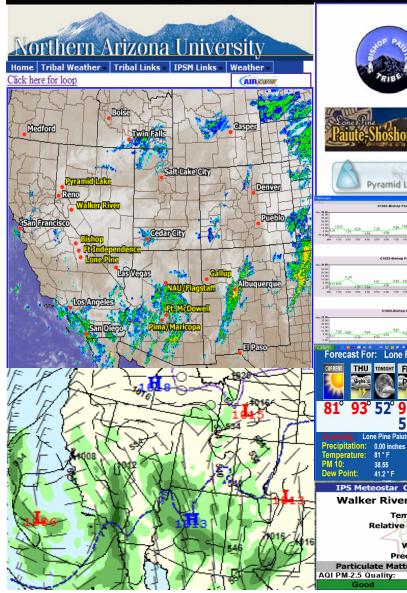
Lashude: 36" 35" 44" North (+36.595556")

Longitude: 118" 02" 57" West (-118.049167")

Elevation: 1128 m (3701 ft)

 EPA site number: 06-027-1018 EPA site number 00-07-10
 State: California
 County: Inyo
 City: Lone Pine
 Address: 1101 E-sha Lane

Site coordinates:





IPS Meteostar Current Weather & PM 2.5 Levels Walker River Paiute Tribe, Schurz NV

Relative Humidity: 16.7 %

Particulate Matter PM 2.5: 0.07

Temperature: 70° Dew Point: 23°

Wind: N 6.6 mph Wind Gust: 11.4 mph Precipitation: 0.00 inches

Time: 08 AM PST

38.55 41.2°F



Day: Year: Time Format



	The table below contains hourly	200 averag	Y		Hour (/		M		nerate i		ored a	C1018	Lon	1				Outdoor Dew Po Relative	Temper est Temp	rature perature	rizostal V	Vind Dir	ection			1
	Parameter Measured		Morning													Parameter Measured										
		Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noos	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	PAIXMETER ALEXANTED
h	Wind Speed	4.6	3.0	3.3	4.4	4.6	4.9	5.3	7.7	7.8	5.3	5.4	10.9	10.8	16.7	16.4	6.7	9.4	9.2	4.1	3.1	3.5	23	3.3	4.8	Wind Speed
	Resultant Wind Speed	4.5	0.9	2.8	3.9	4.0	4.7	5.1	7.3	7.4	4.7	3.2	10.2	10.0	15.6	15.6	4.5	1.6	8.4	2.1	2.3	3.4	0.8	2.2	4.7	Resultant Wind Speed
	Resultant Wind Direction	237	166	322	322	314	327	337	342	336	335	137	132	144	152	158	139	155	304	345	311	261	345	323	351	Resultant Wind Direction
	Maximum Wind Gust	6.7	6.9	7.1	8.0	8.4	10.5	11.4	15.5	18.6	11.0	18.7	21.6	23.5	32.0	35.2	14.7	26.6	23.5	12.2	5.5	6.0	9.6	10.7	8.3	Maximum Wind Gust
L	Std. Dev. Wind Direction	13	67	31	28	31	16	17	18	19	28	51	20	22	21	18	46	74	24	56	39	11	65	48	13	Std. Dev. Wind Direction
	Outdoor Temperature	77.0	72.7	72.1	69.2	67.4	63.8	68.8	75.4	79.0	83.0	86.9	89.5	89.4	88.9	88.5	87.4	85.9	82.8	82.3	78.6	77.2	73.0	70.5	64.3	Outdoor Temperature
	Dew Point Temperature	40.4	41.0	42.2	42.1	37.9	36.5	37.0	33.8	31.8	30.9	30.3	34.5	35.0	38,7	38.6	32.9	37.4	41.1	41.9	42.2	42.1	41.8	40.9	44.2	Dew Point Temperature
	Relative Humidity	26.9	32.0	34.5	37.8	34.4	36.6	31.2	22.1	17.9	15.1	13.2	14.0	14.5	17.1	17.4	14.3	18.1	22.8	24.0	27.3	28.7	32.7	34.9	48.4	Relative Humidity
	Solar Radiation	0.000	0.000	0.000	0.000	0.004	0.127	0.424	0.703	0.955	1.159	1.284	1.356	0.602	0.697	0.475	0.167	0.194	0.160	0.149	0.008	0.000	0.000	0.000	0.000	Solar Radiation
	Barometric Pressure	884.9	885.0	884.9	885.0	885.3	885.7	886.0	886.2	886.1	885.8	885.5	884.9	884.5	884.2	883.9	884.1	884.2	885.2	885.5	885.4	886.1	886.5	886.4	886.6	Barometric Pressure
	Precipitation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Precipitation
550)	PM-10 (Standard Conditions)	27.07	56.91	33.73	50.07	15.33	69.13	15.45	10.64	11.89	15.99	19.41	19.11	38.48	56.36	44.37	18.13	34.94	20.25	26.17	41.34	29.13	26.16	27.25	17.26	PM-10 (Standard Conditi
332	Parameter Measured	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noos	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	P
	Farameter Aleasured	Moraing													Afternoon											Parameter Measured



IPSM Existing Heavy Use Continuous Air & Water Monitoring Network With Over 180 Stations Sampling Over 1,700 Monitors Every Second

TCEQ Continuous Water Air Monitoring Sites Quality Monitoring in the Houston Area Conroe (2920) (249) (1960) (2100) O Baytown Weather O3 ZONE Sugar Land League City Oklahoma City Moderate Friendswood 45 Unhealthy (288) Alvin for Groups Ownership of Sites Unhealthy Dallas O Public Private Hazardous Houston Lake Jackson San Antonio 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. 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. WWW.EPA.GOV/AIRN 3:23a PT D PENTAGON WOUNDED 9/11/01 CM MILITARY'S CENTRAL



The San Jacinto Monument serves as an impressive backdrop to a TCEO air

monitoring station on Houston's east side. The monitor collects hourly data on

ozone. Illustration by Tommy Hultgren.



US Air Force/IPS MeteoStar LEADS Software Used For Forecasts & Flight Operations.





US Navy/Marines Select IPS MeteoStar Software For Fleet Weather Forecast & Ship Tracking In October 2003





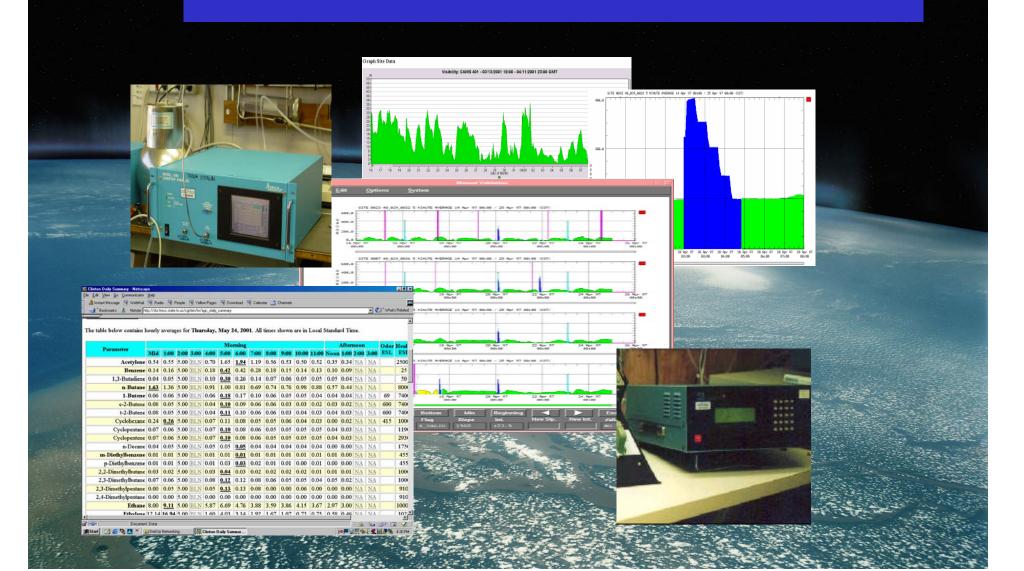
IPS MeteoStar Wins US ARMY Future Combat Systems (FCS) Weather Information Systems Contract June 2004







- ✓ Ability To Automatically Calibrate And QA/QC Complex Instrumentation On The Fly
- ✓ Ability To Trigger Emergency Grab Samples On Alerts





IPS MeteoStar LEADS TCEQ Mobile Monitoring System





GOES DCS Operates On 12 volt Solar Power Where Air & Water Quality Data/Alerts Are Quickly Transmitted With No Re-Occurring Charges To An IPSM NOAAPort Satellite Receiver. Data Is Then Fused With Weather GIS Data For Display, Analysis And Reporting





IPS MeteoStar LEADS Overlay's TCEQ Wind Barbs, NWS Streamline & Satellite Imagery

