



October 3, 2008

Wayne Natri
Regional Administrator
USEPA REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

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OCT 20 2008

AIR DIVISION
U.S. EPA, REGION 9

Dear Administrator Natri:

This letter is in response to the USEPA's recent proposal, dated August 21, 2008, to designate the Torres Martinez Desert Cahuilla Indians Reservation as non-attainment for the 2006 PM_{2.5} air quality standard. This information is provided by the Tribal Environmental Department's Air Quality Staff for your consideration to possibly designate the Torres Martinez Reservation as unclassifiable for the 2006 PM_{2.5} air quality standard.

Several concerns are brought to light in this comment letter in response to the EPA Technical Analysis for Imperial County in regards to available PM_{2.5} air quality data for the years 2005, 2006, and 2007; which are the 3 years that the USEPA is using to determine designations. More information about the Torres Martinez Reservation, discussed in the EPA's Technical Analysis in the designation proposal letter, is also provided in this letter to clearly show that available air quality data, the population density and degree of urbanization, geography, and area jurisdictions factors do not accurately reflect the true nature of the Torres Martinez Reservation to determine that the entire reservation be in non-attainment for PM_{2.5}. Comments on four of these individual factors outlined in the EPA'S proposal for designation letter are as follows.

AIR QUALITY DATA-The emissions data used by the USEPA to determine non-attainment status for the Reservation was based mainly from the Calexico Ethel St., CA air monitoring site in Imperial County. This air-monitoring site is approximately 85 miles from the Headquarters of the Torres Martinez Tribe. It is the opinion of Torres Martinez Air Program Staff that the South Coast Air Quality Management District site in Indio, in Riverside County California, which is located just about 13 miles from Tribal Headquarters, would be a more appropriate PM_{2.5} database to draw conclusions on

attainment designations. The Torres Martinez Air monitoring station does not have a PM2.5 analyzer and has not monitored for PM2.5. This should be enough for a non-classifiable determination for PM2.5 designation for the Torres Martinez Tribe. Although the SCAQMD air monitoring station is no longer monitoring for PM2.5, data collected from 2004-2006 clearly shows PM2.5 standards attained but also attained at a much closer location to the Torres Martinez Headquarters than the USEPA's choice for the Ethel St. Calexico, CA air-monitoring site. Maps and directions are attached to show this. Also attached is the 2005 to 2007 data tables and 2004 to 2006 data charts of PM2.5 data from the SCAQMD's Indio, California air monitoring station. This data clearly shows that in the three years of PM2.5 monitoring, concentrations much closer to the jurisdictional boundaries of the Torres Martinez Reservation (TMDCI) are in attainment, as compared to the PM2.5 data from the Ethel St. Calexico, CA station, according to the USEPA Factor 2: Air quality Data, which it is using in its proposal.

POPULATION DENSITY AND URBANIZATION-The Torres Martinez Tribal Environmental Department agrees with the USEPA that this factor argues for a partial county designation in Imperial County. A closer look at jurisdictional boundaries of the Torres Martinez Tribe shows that the USEPA's basis for proposing the non-attainment designation for the entire TMDCI Reservation is misguided. The USEPA's designation proposal information factors shows Imperial County as the main area of the designation decision. Land maps will show that only about 1/3 of the entire reservation is inside Imperial County. And of that 1/3, about 1/3 has been inundated by the Salton Sea and about 40% of the entire Imperial County Portion of the Reservation is located in the Santa Rosa Mountains and is entirely undeveloped and uninhabited. So the degree that the area used by the USEPA in determining PM2.5 designations does not reflect the entirety of the TMDCI reservation. So the Torres Martinez Environmental Department agrees with CARB's partial- county designation proposal or a non-classifiable designation for the Reservation. A land map of the TMDCI boundaries is attached.

GEOGRAPHY-The Torres Martinez Reservation is located in the Eastern Coachella Valley, Riverside County, not the Imperial Valley, as the USEPA's designation proposal factors illustrate; although this entire area is designated the Salton Sea Air Basin. Some NOAA HYSPLIT trajectories are attached to show a greater variability to local meteorological trajectories, from 3 monitoring sites: Indio, Torres-Martinez and the Imperial County Westmoreland site, than the USEPA provided in its proposal for designation letter. In the opinion of the Torres Martinez Staff these monitoring sites are closest in proximity to the area of concern the USEPA is using in its proposal for non-attainment letter.

JURISDICTIONAL BOUNDARIES (existing PM and ozone areas)-As stated previously, the majority of Reservation lands are within Riverside County, not in Imperial County. While jurisdictional boundaries facilitate planning and organizational structure for air quality mitigation, it is the opinion of the Torres Martinez Environmental Department that NAAQS pollutants be considered on a one by one basis and not grouped with other pollutants for designation proposals. As the attached data from SCAQMD air monitoring site in Indio, CA, for the three years used for the PM2.5 monitoring shows, it

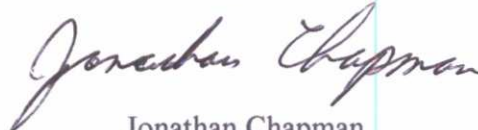
does not seem the 98% of PM2.5 concentrations measured and averaged in this 3-year period, exceed 35 ug/m3. Again this monitoring site is less than one-sixth the distance of the main air monitoring sampling location on Ethel St., Calexico, CA, which the USEPA is using for there proposal.

HYSPLIT trajectory configurations for dates with highest PM2.5 concentrations for the years 2004, 2005, and 2006 are also provided for your review.

In conclusion, the Torres Martinez Environmental Department questions the analysis the USEPA used in its Technical Analysis for Imperial County on proposing to designate the Tribe as non-attainment for the PM2.5 standard. This comment letter is provided to expand the EPA's information base about the Torres Martinez Tribe so it can make a more informed decision as to the designation proposal to non-attainment for PM2.5. At best, after taking into consideration the analysis factors above, the USEPA will alter its proposal for the Torres Martinez Tribe as **un-classifiable**. Especially in the consideration that there is no PM2.5 data from the Reservation and the next closest air-station that provided data for PM2.5 is not even being considered in the EPA's proposal.

If you have any questions or comments to be addressed to the Torres Martinez Indians or the Tribal Environmental Department, don't hesitate to call Jonathan Chapman at 760.397.0300 extension 1224 or Alberto Ramirez at 760.397.0300 extension 1225. The Torres Martinez Tribal Environmental Department will be available anytime during normal working hours to consider any comments or questions the USEPA will have concerning the proposal to designate the Reservation as non-attainment for PM2.5.

Sincerely,

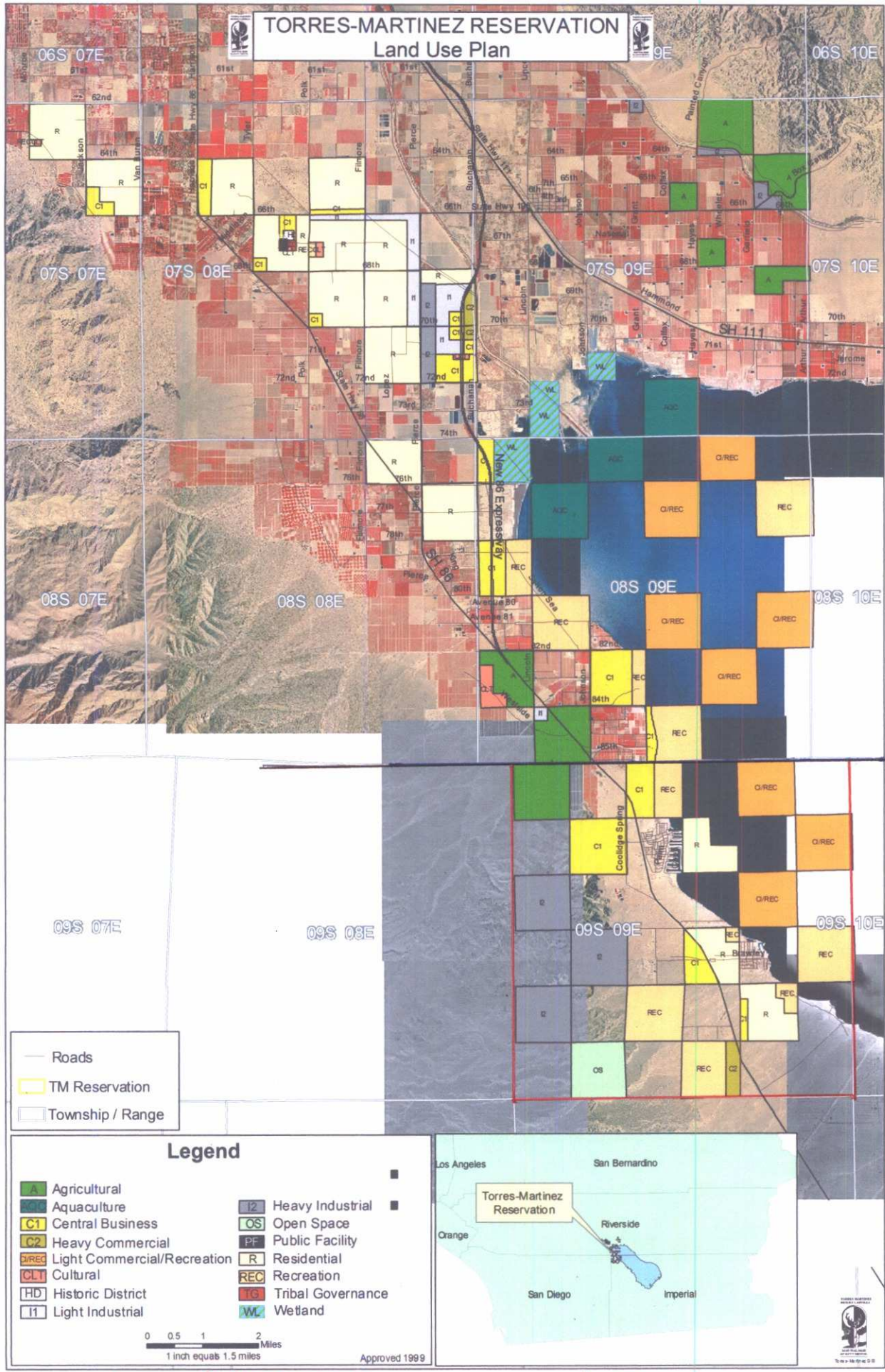


Jonathan Chapman
Air Quality Specialist, TMDCI

Enclosure

Cc: Colleen McKaughan

TORRES-MARTINEZ RESERVATION Land Use Plan



Riverside County

Imperial County

- Roads
- TM Reservation
- Township / Range

Legend

- | | |
|---|---|
| Agricultural | Heavy Industrial |
| Aquaculture | Open Space |
| C1 Central Business | Public Facility |
| C2 Heavy Commercial | R Residential |
| C/REC Light Commercial/Recreation | Recreation |
| Cultural | Tribal Governance |
| HD Historic District | Wetland |
| I1 Light Industrial | |

0 0.5 1 2 Miles
1 inch equals 1.5 miles

Approved 1999



— Area of TMOCI Reccervation inside Imperial County



Live Search Maps

A: **66725 Martinez Rd, Thermal, CA 92274-9007**
 B: **46990 Jackson St, Indio, CA 92201-6042**
 Trip: **13.1 mi, 19 min**

My Notes

FREE! Use **Live Search 411** to find movies, businesses & more: **800-CALL-411.**

	66725 Martinez Rd, Thermal, CA 92274-9007	A-B: 13.1 mi 19 min
	1. Depart Martinez Rd	0.5 mi
	2. Turn left onto 66th Ave	1.5 mi
	3. Turn right onto SR-86 <i>Pass VALERO on the right in 7.6 mi</i>	9.3 mi
	4. Keep straight onto I-10 Bus North / Indio Blvd	0.7 mi
	5. Turn left onto Van Buren St , and then immediately turn right onto Doctor Carreon Blvd	1.1 mi
	6. Arrive at 46990 Jackson St <i>The last intersection is Bristol St</i> <i>If you reach Jackson St, you've gone too far</i>	

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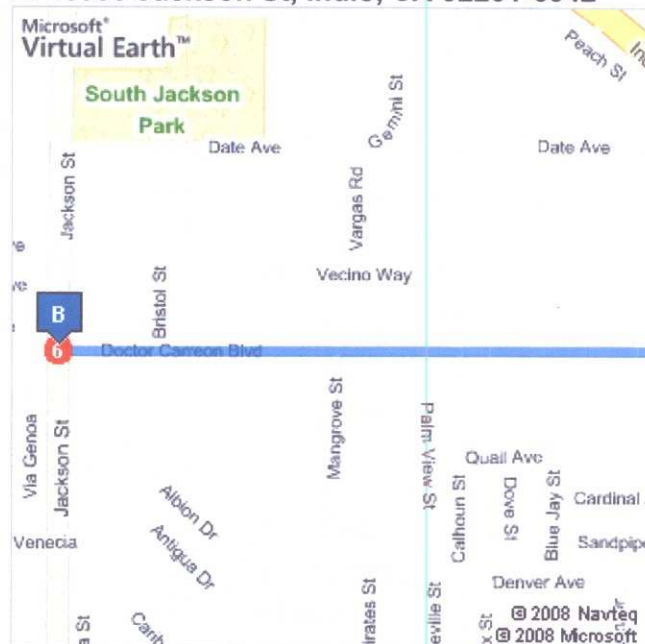
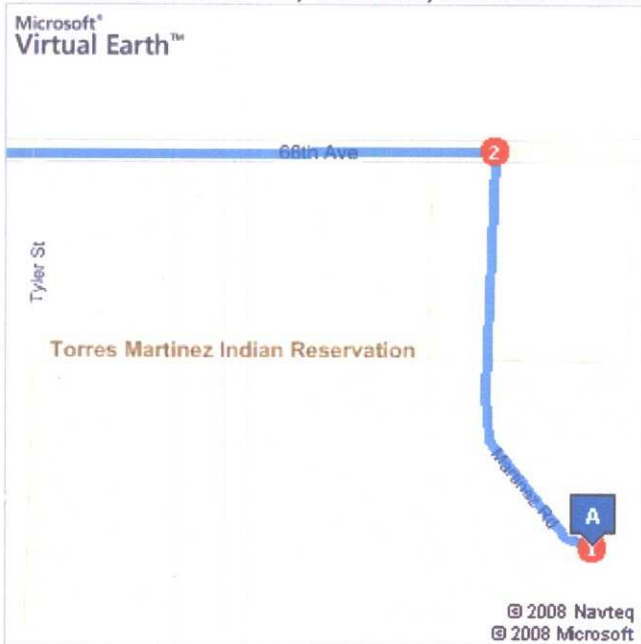
Trip: 13.1 mi, 19 min

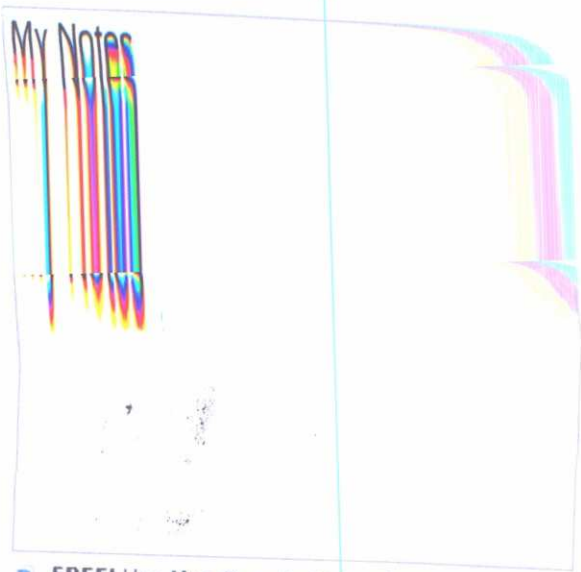


This map is based on the map view in the browser window when you clicked Print.

A: 66725 Martinez Rd, Thermal, CA 92274-9007

B: 46990 Jackson St, Indio, CA 92201-6042





A: **66725 Martinez Rd, Thermal, CA 92274-9007**
 B: **Calexico, CA**
 Trip: **85.3 mi, 1 hr 20 min**

FREE! Use **Live Search 411** to find movies, businesses & more: **800-CALL-411.**

A	66725 Martinez Rd, Thermal, CA 92274-9007	A-B: 85.3 mi 1 hr 19 min
	1. Depart Martinez Rd	0.5 mi
➔	2. Turn right onto 66th Ave	3.6 mi
➔	3. Turn right onto SR-86 Spur South	7.6 mi
↑	4. Keep straight onto SR-86 South	52.7 mi 50 min
↘	5. Turn right to stay on SR-111 South	21.0 mi 18 min
B	6. Arrive at Calexico, CA <i>The last intersection is SR-98 / W Birch St</i> <i>If you reach Roosevelt St, you've gone too far</i>	

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Trip: 85.3 mi, 1 hr 20 min

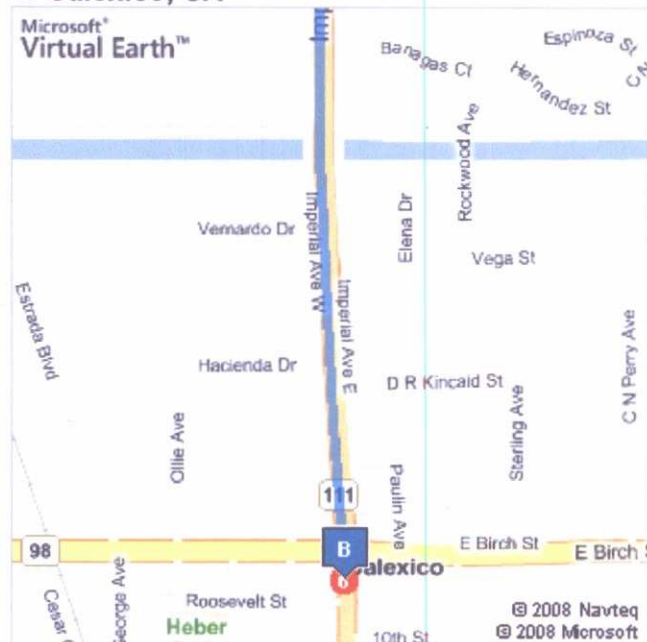


This map is based on the map view in the browser window when you clicked Print

A: 66725 Martinez Rd, Thermal, CA 92274-9007



B: Calexico, CA





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Monitor Values Report - Criteria Air Pollutants

Geographic Area: California

Pollutant: Particles < 2.5 micrometers diameter

Year: 2007

EPA Air Quality Standards:

Particles < 2.5 micrometers diameter: 35 µg/m³ (24-Hour Average), 15.0 µg/m³ (annual mean)

µg/m³ = micrograms per cubic meter

96 Rows

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PM2.5 (µg/m ³)													
Row #	# Obs	24-Hour Values						Annual		Monitor Number	Site ID	Site Address	City
		1st Max	2nd Max	3rd Max	4th Max	98th Pct	# Exceed	Mean	# Exceed				
SORT	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼
51	99	68.5	58.0	56.6	50.4	58.0	1	18.31	1	1	060651003	7002 Magnolia Ave., Riverside	Riverside
52	81	26.7	26.5	20.7	19.2	26.5	0	9.37	0	1	060652002	46-990 Jackson St., Indio	Indio
53	54	25.7	25.1	23.9	19.1	25.1	0	9.85	0	2	060652002	46-990 Jackson St., Indio	Indio
54	104	32.5	29.5	20.5	18.7	20.5	0	8.59	0	1	060655001	Fs-590 Racquet Club Ave, Palm Springs	Palm Springs
55	272	75.6	72.0	69.0	60.9	54.3	1	19.26	1	1	060658001	5888 Mission Blvd., Rubidoux	Rubidoux (West Riverside)
56	65	68.2	53.5	52.0	49.3	53.5	1	19.84	1	2	060658001	5888 Mission Blvd., Rubidoux	Rubidoux (West Riverside)
57	110	69.7	62.2	60.0	58.5	60.0	1	20.93	1	1	060658005	5130 Poinsettia Place	Riverside
58	180	61.0	61.0	60.0	60.0	59.0	1	12.26	0	1	060670006	Del Paso-2701 Avalon Dr,	Sacramento

75	119	52.0	50.0	48.0	47.5	48.0	1	12.91	0	1	060771002	Francisco Hazelton- Hd, Stockton	Francisco Stockton	
Grand Total							44		24					

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Monitor Values Report - Criteria Air Pollutants

Geographic Area: California
Pollutant: Particles < 2.5 micrometers diameter
Year: 2006

EPA Air Quality Standards:

Particles < 2.5 micrometers diameter: 35 µg/m³ (24-Hour Average), 15.0 µg/m³ (annual mean)

µg/m³ = micrograms per cubic meter

96 Rows
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PM2.5 (µg/m ³)														
Row #	# Obs	24-Hour Values						Annual		Monitor Number	Site ID	Site Address	City	Count
		1st Max	2nd Max	3rd Max	4th Max	98th Pct	# Exceed	Mean	# Exceed					
SORT	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	
26	278	52.7	52.3	49.5	40.7	38.4	1	15.40	1	1	060370002	803 N. Loren Ave., Azusa	Azusa	Los Angeles: Co
27	104	50.7	44.5	43.4	40.2	43.4	1	16.55	1	1	060371002	228 W. Palm Ave., Burbank	Burbank	Los Angeles: Co
28	62	56.2	40.4	39.0	36.7	40.4	1	16.01	1	2	060371103	1630 N Main St, Los Angeles	Los Angeles	Los Angeles: Co
29	315	45.7	43.2	42.0	40.6	38.3	1	15.60	1	1	060371103	1630 N Main St, Los Angeles	Los Angeles	Los Angeles: Co
30	92	44.0	31.9	30.1	29.6	31.9	0	12.84	0	1	060371201	18330 Gault St., Reseda	Reseda	Los Angeles: Co
31	107	55.0	50.8	44.4	40.9	44.4	1	16.69	1	1	060371301	11220 Long Beach Blvd., Lynwood	Lynwood	Los Angeles: Co
32	116	72.2	58.9	43.0	40.8	43.0	1	16.63	1	1	060371602	4144 San Gabriel River Pkwy, Pico	Pico Rivera	Los Angeles: Co

													Rivera		
33	113	45.8	32.1	32.0	31.8	32.0	0	13.37	0	1	060372005	752 S. Wilson Ave., Pasadena	Pasadena	Los Angeles Co	
34	290	58.5	49.8	43.4	41.4	34.9	0	14.14	0	1	060374002	3648 N. Long Beach Blvd., Long Beach	Long Beach	Los Angeles Co	
35	320	53.6	49.5	40.2	39.4	35.2	0	14.44	0	1	060374004	1305 E. Pacific Coast Hwy., Long Beach	Long Beach	Los Angeles Co	
36	58	18.0	13.0	12.0	12.0	13.0	0	7.44	0	1	060379033	43301 Division St., Lancaster, Ca	Lancaster	Los Angeles Co	
37	60	21.0	17.4	16.4	14.4	17.4	0	6.83	0	1	060450006	Library-105 N Main St, Ukiah	Ukiah	Merced Co	
38	89	55.8	52.5	43.8	43.0	43.8	1	14.82	0	1	060472510	2334 "M" St. Merced, Ca	Merced	Merced	
39	63	14.7	13.0	12.7	12.6	13.0	0	7.07	0	1	060531003	867 E. Laurel Dr	Salinas	Monter Co	
40	62	32.0	24.0	15.0	12.0	24.0	0	6.20	0	1	060570005	200 Litton Dr., Grass Valley, Ca	Grass Valley	Nevada Co	
41	59	24.0	16.0	14.0	12.0	16.0	0	6.56	0	2	060571001	Fs-10049 Donner Pass Rd, Truckee	Truckee	Nevada Co	
42	120	28.0	15.0	15.0	14.0	15.0	0	6.29	0	1	060571001	Fs-10049 Donner Pass Rd, Truckee	Truckee	Nevada Co	
43	330	56.2	54.4	52.4	43.9	40.5	1	14.03	0	1	060590007	1630 W. Pampas Lane	Anaheim	Orange	
44	106	46.9	29.2	25.7	25.5	25.7	0	10.97	0	1	060592022	26081 Via Pera, Mission Viejo, Ca 92691	Mission Viejo	Orange	
45	62	45.0	36.0	30.0	25.0	36.0	1	10.52	0	1	060610006	151 No Sunrise Blvd, Roseville, Ca	Roseville	Placer Co	
46	118	27.0	26.0	25.0	24.0	25.0	0	9.10	0	1	060631006	267 N. Church St., Quincy,	Quincy	Plumas	

												Ca. 95971		
47	117	51.0	38.0	31.0	30.0	31.0	0	10.89	0	1	060631009	161 Nevada St, Portola, Ca 96122	Portola	Plumas
48	105	55.3	48.2	47.7	44.4	47.7	1	16.94	1	1	060651003	7002 Magnolia Ave., Riverside	Riverside	Riversi Co
49	53	26.4	21.4	18.0	16.8	21.4	0	9.88	0	2	060652002	46-990 Jackson St., Indio	Indio	Riversi Co
50	98	24.2	19.6	19.0	18.1	19.6	0	9.59	0	1	060652002	46-990 Jackson St., Indio	Indio	Riversi Co
Grand Total														
							41		24					

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Geographic Area: California

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Year: 2005

EPA Air Quality Standards:

Particles < 2.5 micrometers diameter: 35 µg/m³ (24-Hour Average), 15.0 µg/m³ (annual mean)

µg/m³ = micrograms per cubic meter

99 Rows

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PM2.5 (µg/m ³)														
Row #	# Obs	24-Hour Values					# Exceed	Annual		Monitor Number	Site ID	Site Address	City	
		1st Max	2nd Max	3rd Max	4th Max	98th Pct		Mean	# Exceed					
SORT	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼
51	96	44.3	25.0	21.9	19.6	25.0	0	10.30	0	1	060652002	46-990 Jackson St., Indio	Indio	R C
52	51	36.2	24.3	16.6	15.5	24.3	0	10.61	0	2	060652002	46-990 Jackson St., Indio	Indio	R C
53	83	26.1	25.0	23.1	22.2	25.0	0	8.35	0	1	060655001	Fs-590 Racquet Club Ave, Palm Springs	Palm Springs	R C
54	332	98.7	95.9	82.1	79.8	58.3	1	21.00	1	1	060658001	5888 Mission Blvd., Rubidoux	Rubidoux (West Riverside)	R C
55	57	52.1	44.1	41.1	41.0	44.1	1	19.48	1	2	060658001	5888 Mission Blvd., Rubidoux	Rubidoux (West Riverside)	R C
56	237	80.0	74.0	69.0	69.0	49.0	1	11.46	0	1	060670006	Del Paso-2701 Avalon Dr, Sacramento	Sacramento	S C
57	55	57.0	42.0	42.0	34.0	42.0	1	11.20	0	2	060670006	Del Paso-2701 Avalon Dr, Sacramento	Sacramento	S C
58	335	59.0	56.0	53.0	50.0	47.0	1	10.89	0	1	060670010	1309 T St., Sacramento,	Sacramento	S

												Ca. 95814		C
59	228	59.0	57.0	55.0	55.0	42.0	1	10.35	0	1	060674001	Hlth Ctr-2221 Stockton Blvd, Sacramento	Sacramento	S C
60	110	87.7	58.3	49.5	42.3	49.5	1	18.78	1	1	060710025	1408 Francis St.	Ontario	S B C
61	99	27.0	19.0	17.0	17.0	19.0	0	9.38	0	1	060710306	14306 Park Ave., Victorville, Ca	Victorville	S B C
62	64	27.0	20.0	18.0	18.0	20.0	0	10.11	0	2	060710306	14306 Park Ave., Victorville, Ca	Victorville	S B C
63	109	96.8	48.4	48.2	41.7	48.2	1	18.83	1	1	060712002	14360 Arrow Blvd., Fontana	Fontana	S B C
64	51	38.7	37.2	32.7	31.4	37.2	1	12.05	0	1	060718001	501 W. Valley Blvd., Big Bear City,	Big Bear City	S B C
65	109	106.2	45.3	43.4	35.0	43.4	1	17.31	1	1	060719004	24302 4th St., San Bernardino, Ca.	San Bernardino	S B C
66	119	34.3	30.2	30.2	28.0	30.2	0	11.82	0	1	060730001	80 E. "J" St., Chula Vista	Chula Vista	S C
67	329	40.9	31.1	29.7	28.9	29.7	0	11.39	0	1	060730003	1155 Redwood Ave., El Cajon	El Cajon	S C
68	104	29.0	28.2	23.1	23.0	23.1	0	10.15	0	1	060730006	5555 Overland Ave., San Diego	San Diego	S C
69	306	43.1	41.3	39.5	36.9	32.2	0	12.26	0	1	060731002	600 E. Valley Pkwy., Escondido	Escondido	S C
70	178	32.3	28.6	28.1	26.6	26.6	0	11.44	0	1	060731007	330a 12th Ave., San Diego, Ca. 92112	San Diego	S C
71	154	44.1	37.4	34.0	33.7	33.7	0	15.64	1	1	060731010	1110 Beardsley Street, San Diego, Ca 921	San Diego	S C
72	45	18.4	8.8	8.3	8.3	18.4	0	4.26	0	1	060731011	La Posta Band Of Mission Indians, 8 1/2		S C
												La Posta Band Of		S

73	44	14.0	8.6	8.3	8.2	14.0	0	4.22	0	2	060731011	Mission Indians, 8 1/2		C
74	202	43.6	43.4	39.4	39.4	32.6	0	9.50	0	1	060750005	10 Arkansas St., San Francisco	San Francisco	SFC
75	122	63.0	46.0	44.0	43.0	44.0	1	12.48	0	1	060771002	Hazelton-Hd, Stockton	Stockton	SJr
Grand Total							44		26					

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Disclaimer: AirData reports are produced from a monthly extract of EPA's air pollution database, AQS. Data for this report were extracted on September 27, 2008. They represent the best information available to EPA from state agencies on that date. However, some values may be absent due to incomplete reporting, and some values subsequently may be changed due to quality assurance activities. The AQS database is updated daily by state and local organizations who own and submit the data. Please contact the pertinent [state agency](#) to report errors.

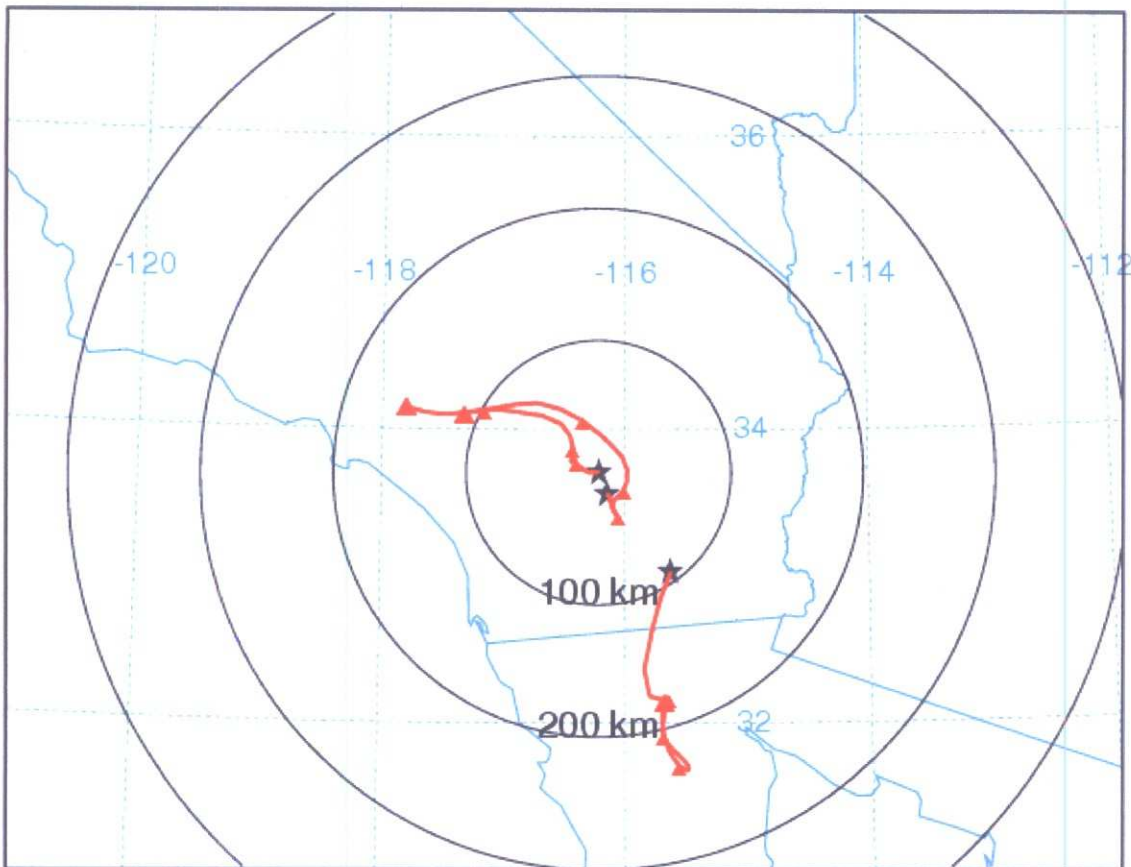
Readers are cautioned not to infer a qualitative ranking order of geographic areas based on AirData reports. Air pollution levels measured in the vicinity of a particular monitoring site may not be representative of the prevailing air quality of a county or urban area. Pollutants emitted from a particular source may have little impact on the immediate geographic area, and the amount of pollutants emitted does not indicate whether the source is complying with applicable regulations.

NOAA HYSPLIT MODEL

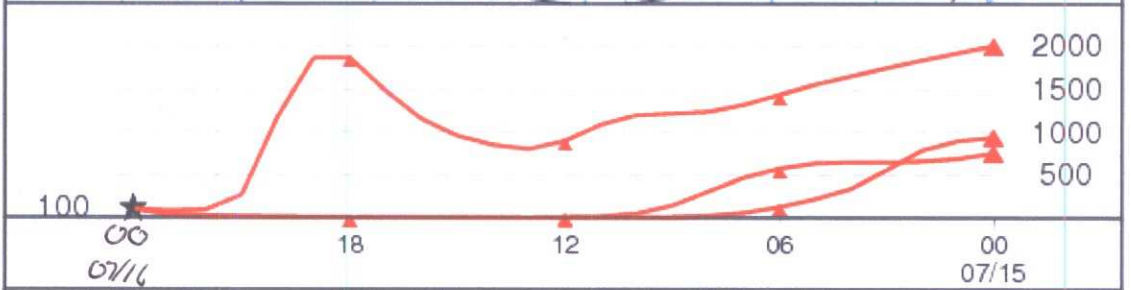
Backward trajectories ending at 00 UTC 16 Jul 06

EDAS Meteorological Data

Source ★ at multiple locations



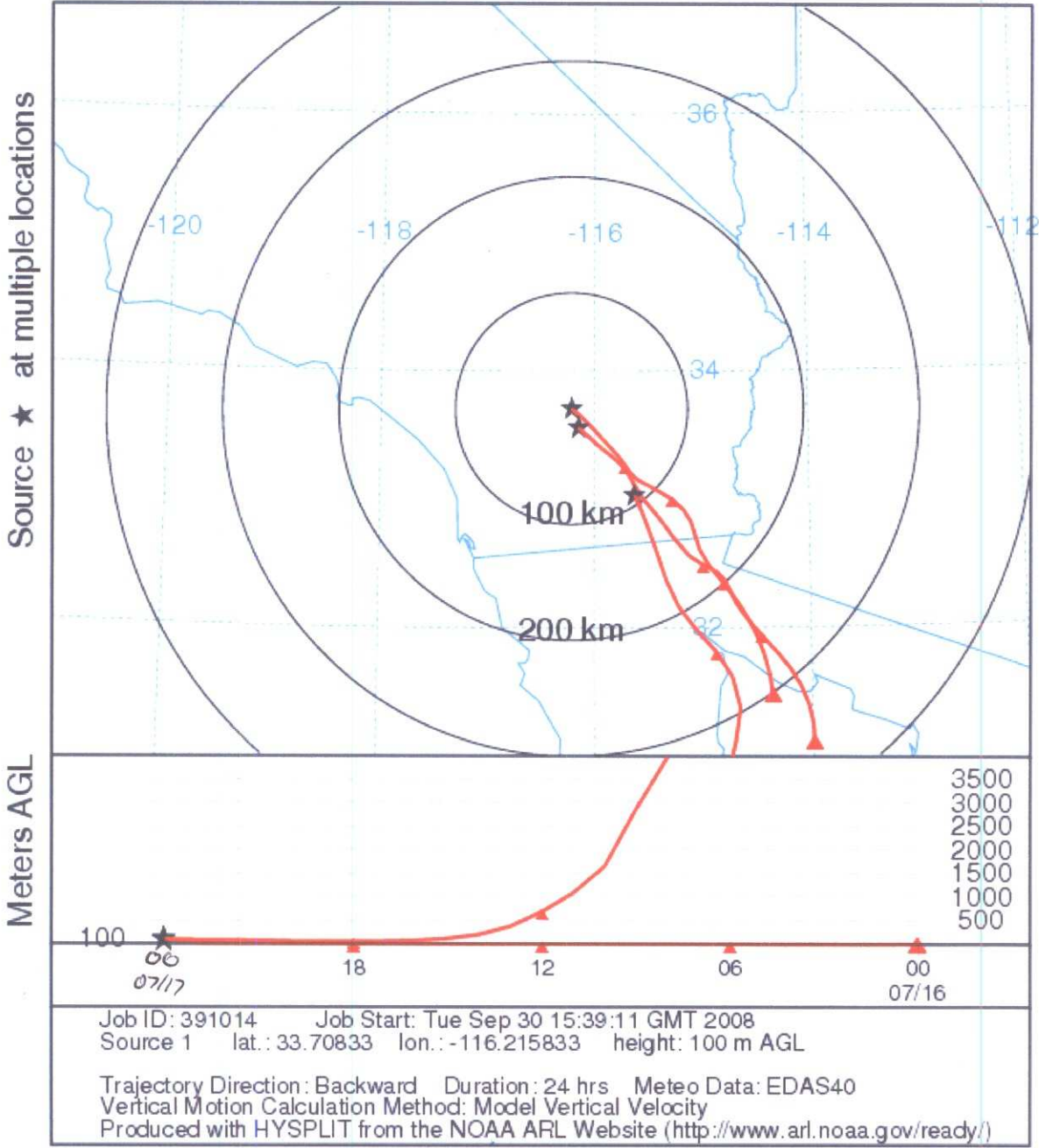
Meters AGL



Job ID: 390991 Job Start: Tue Sep 30 15:36:14 GMT 2008
Source 1 lat.: 33.70833 lon.: -116.215833 height: 100 m AGL

Trajectory Direction: Backward Duration: 24 hrs Meteo Data: EDAS40
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

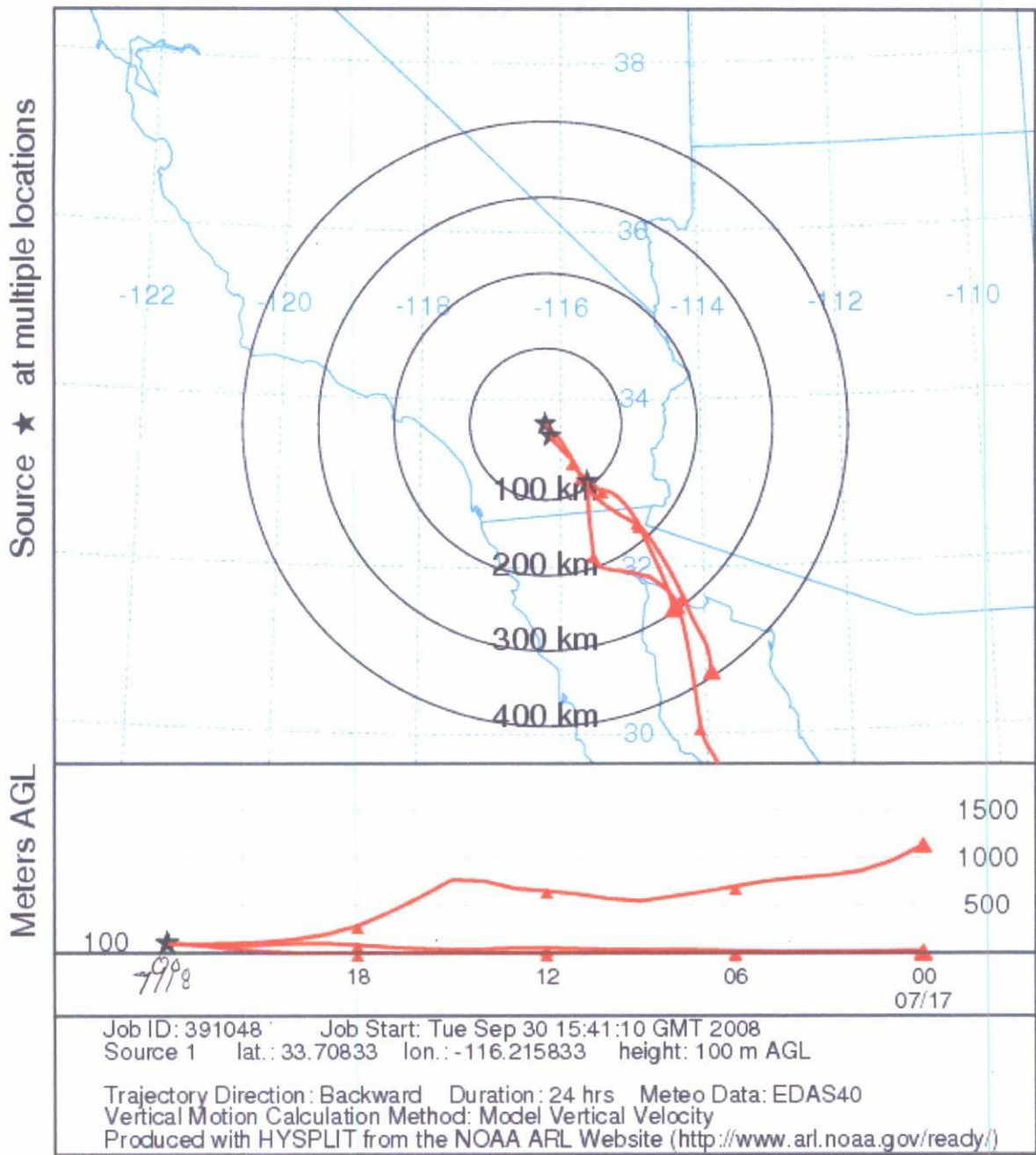
NOAA HYSPLIT MODEL
 Backward trajectories ending at 00 UTC 17 Jul 06
 EDAS Meteorological Data



NOAA HYSPLIT MODEL

Backward trajectories ending at 00 UTC 18 Jul 06

EDAS Meteorological Data



Welcome to **California**

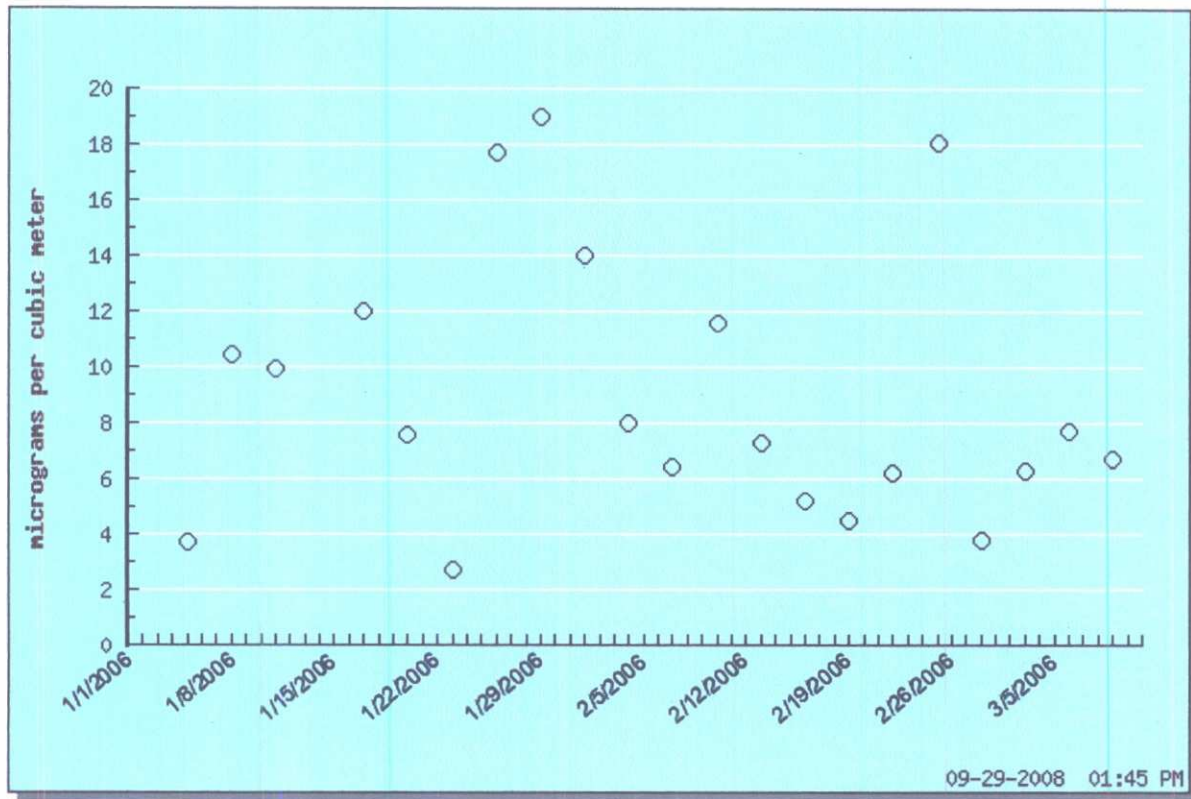


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iADAM

Daily Average PM2.5 (National) Measurements
at **Indio-Jackson Street**

[FAQs](#)



09-29-2008 01:45 PM

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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide		
		Methane	Non-Methane Hydrocarbons	Total Hydrocarbons		
Particles:				PM10 (Local)	PM10 (Standard)	
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride	
		PM10 Total Carbon	PM10 Potassium	PM10 Lead		
		Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead	
		Dichot Fine Fraction	Dichot Coarse Fraction			
Go to:	Data Statistics Home Page			Weekly Listing Start Page		

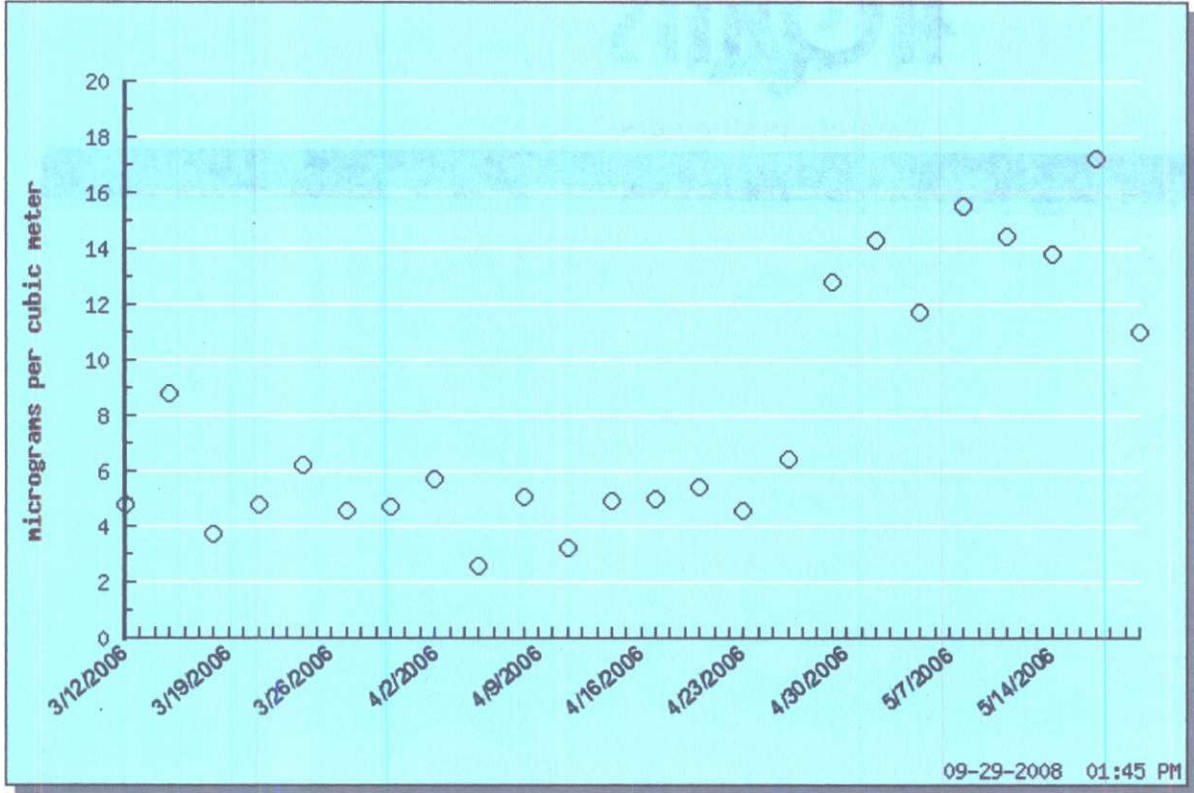


Air Resources Board



Daily Average PM2.5 (National) Measurements
at **Indio-Jackson Street**

[FAQs](#)



09-29-2008 01:45 PM

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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide		
		Methane	Non-Methane Hydrocarbons	Total Hydrocarbons		
Particles:				PM10 (Local)	PM10 (Standard)	
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride	
		PM10 Total Carbon	PM10 Potassium	PM10 Lead		
		Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead	
		Dichot Fine Fraction	Dichot Coarse Fraction			
Go to:	Data Statistics Home Page			Weekly Listing Start Page		

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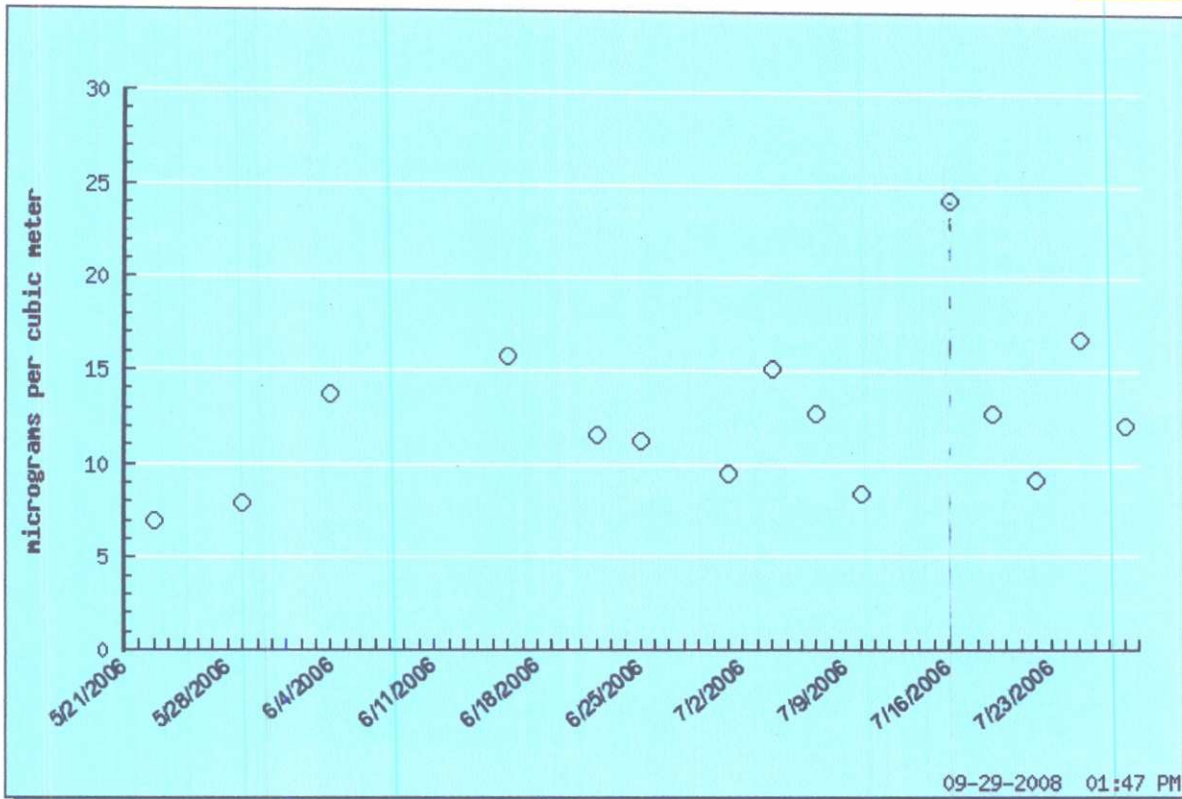
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Air Resources Board

iADAM

Daily Average PM2.5 (National) Measurements
at **Indio-Jackson Street**

FAQs



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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide		
		Methane	Non-Methane Hydrocarbons	Total Hydrocarbons		
Go to:	Particles:	PM10 (Local)		PM10 (Standard)		
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride	
		PM10 Total Carbon	PM10 Potassium	PM10 Lead		
		Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead	
		Dichot Fine Fraction	Dichot Coarse Fraction			
		Data Statistics Home Page	Weekly Listing Start Page			

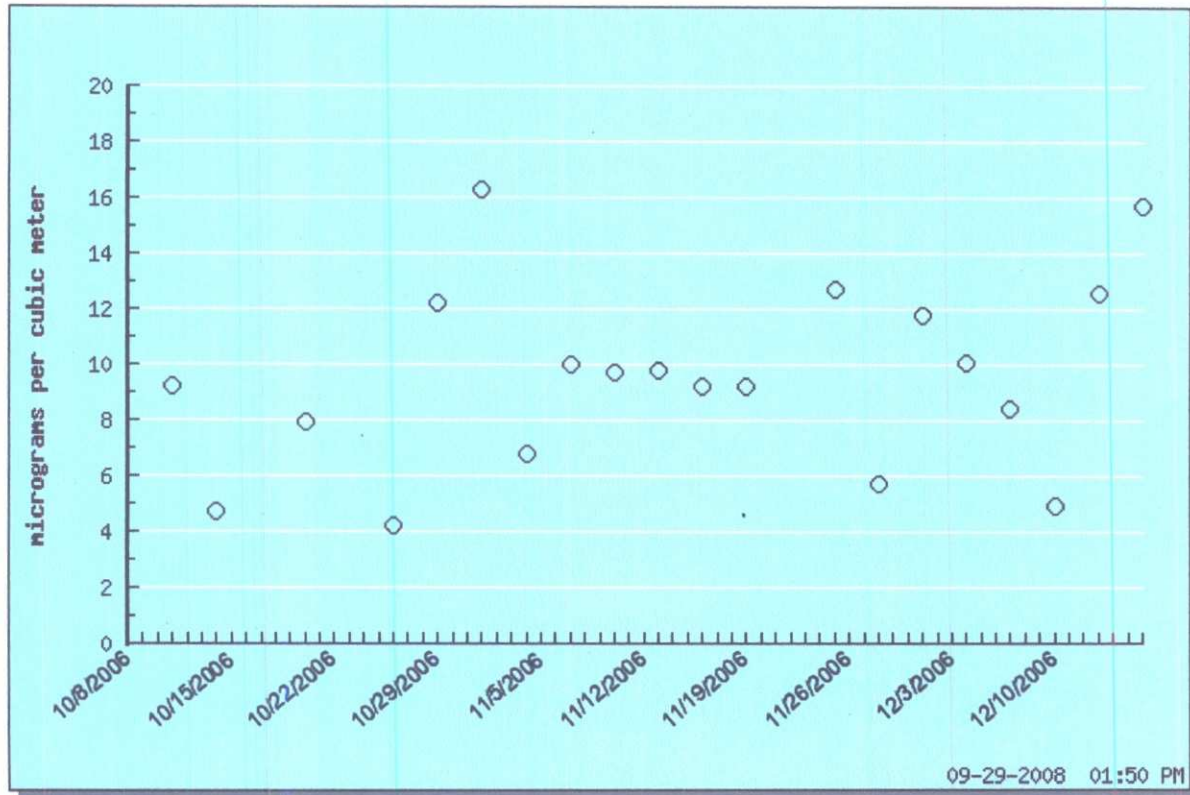


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Daily Average PM2.5 (National) Measurements
at **Indio-Jackson Street**

[FAQs](#)



09-29-2008 01:50 PM

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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide		
		Methane	Non-Methane Hydrocarbons	Total Hydrocarbons		
Go to:	Particles:	PM10 (Local)			PM10 (Standard)	
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride	
		PM10 Total Carbon	PM10 Potassium	PM10 Lead		
		Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead	
		Dichot Fine Fraction	Dichot Coarse Fraction			
		Data Statistics Home Page			Weekly Listing Start Page	

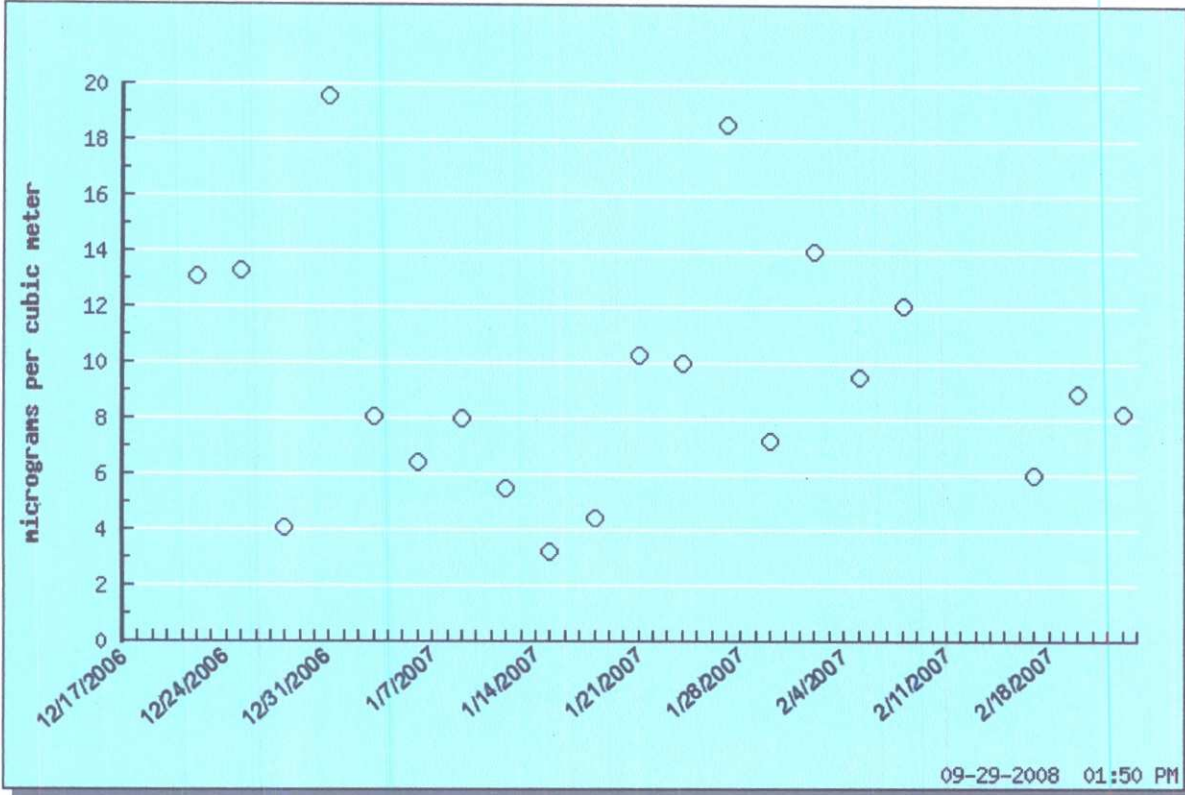


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**Daily Average PM2.5 (National) Measurements
at Indio-Jackson Street**

[FAQs](#)



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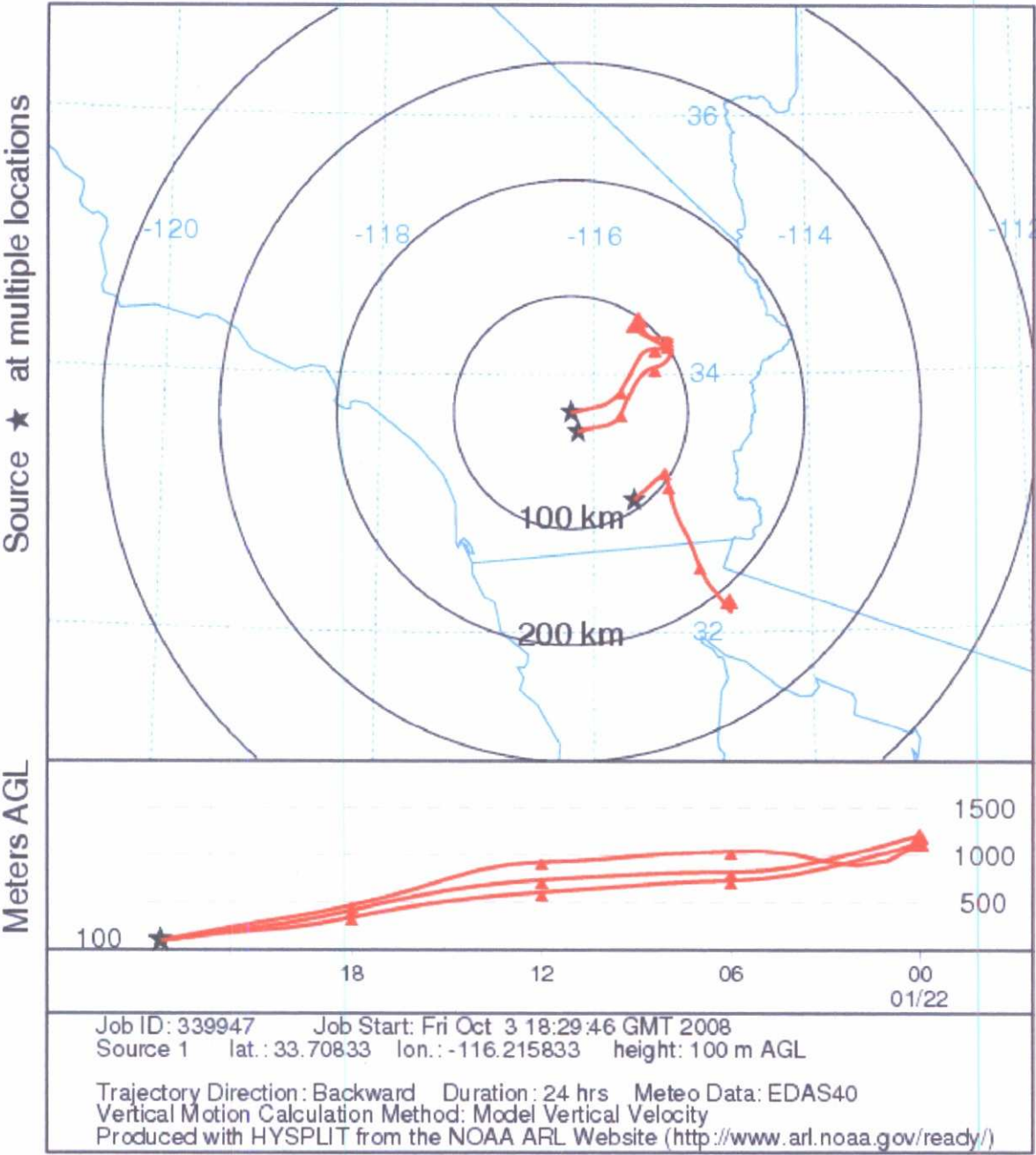
Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide		
		Methane	Non-Methane Hydrocarbons	Total Hydrocarbons		
Particles:				PM10 (Local)	PM10 (Standard)	
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride	
		PM10 Total Carbon	PM10 Potassium	PM10 Lead		
		Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead	
		Dichot Fine Fraction	Dichot Coarse Fraction			
Go to:	Data Statistics Home Page			Weekly Listing Start Page		

NOAA HYSPLIT MODEL

Backward trajectories ending at 00 UTC 23 Jan 05

EDAS Meteorological Data

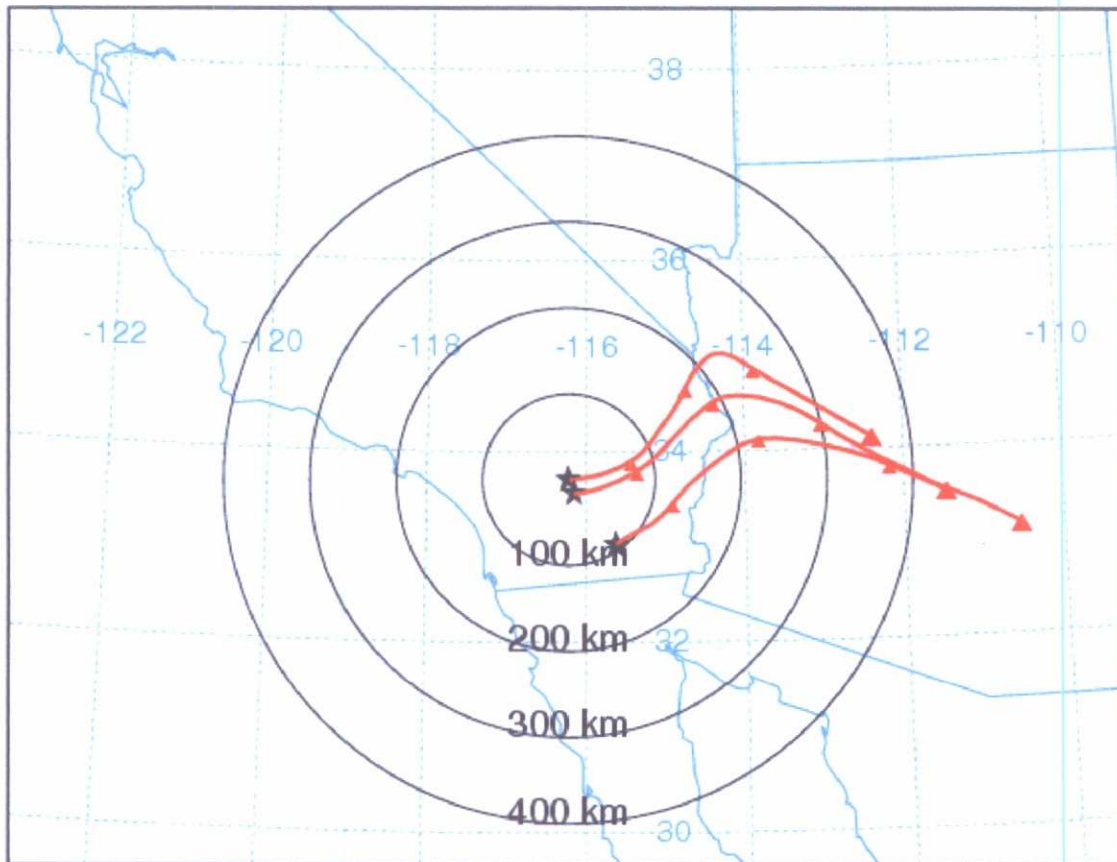


NOAA HYSPLIT MODEL

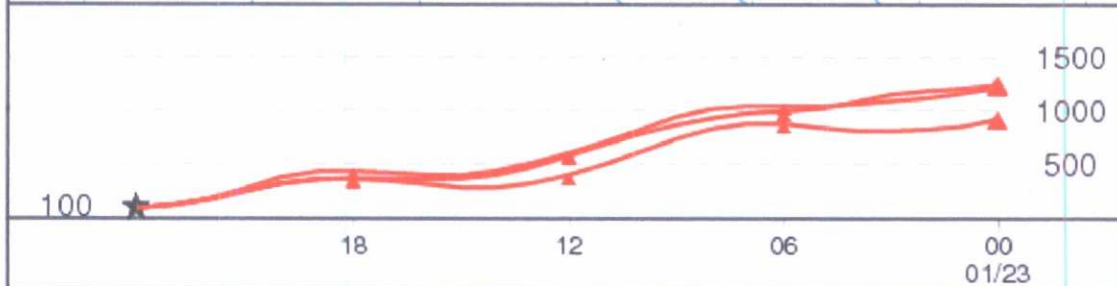
Backward trajectories ending at 00 UTC 24 Jan 05

EDAS Meteorological Data

Source ★ at multiple locations



Meters AGL



Job ID: 339968 Job Start: Fri Oct 3 18:33:34 GMT 2008
 Source 1 lat.: 33.70833 lon.: -116.215833 height: 100 m AGL

Trajectory Direction: Backward Duration: 24 hrs Meteo Data: EDAS40
 Vertical Motion Calculation Method: Model Vertical Velocity
 Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

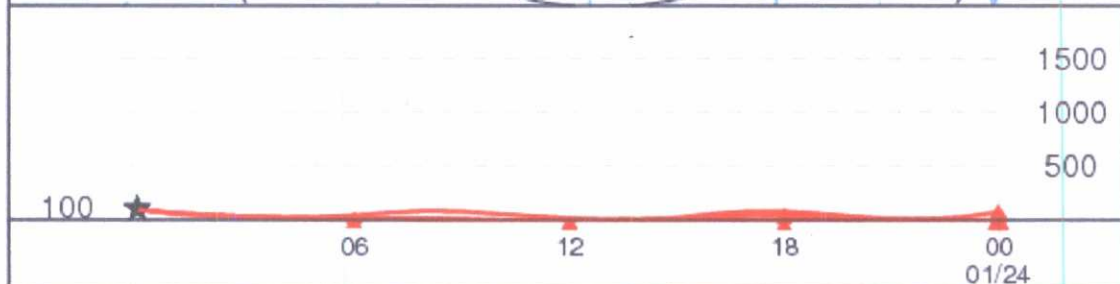
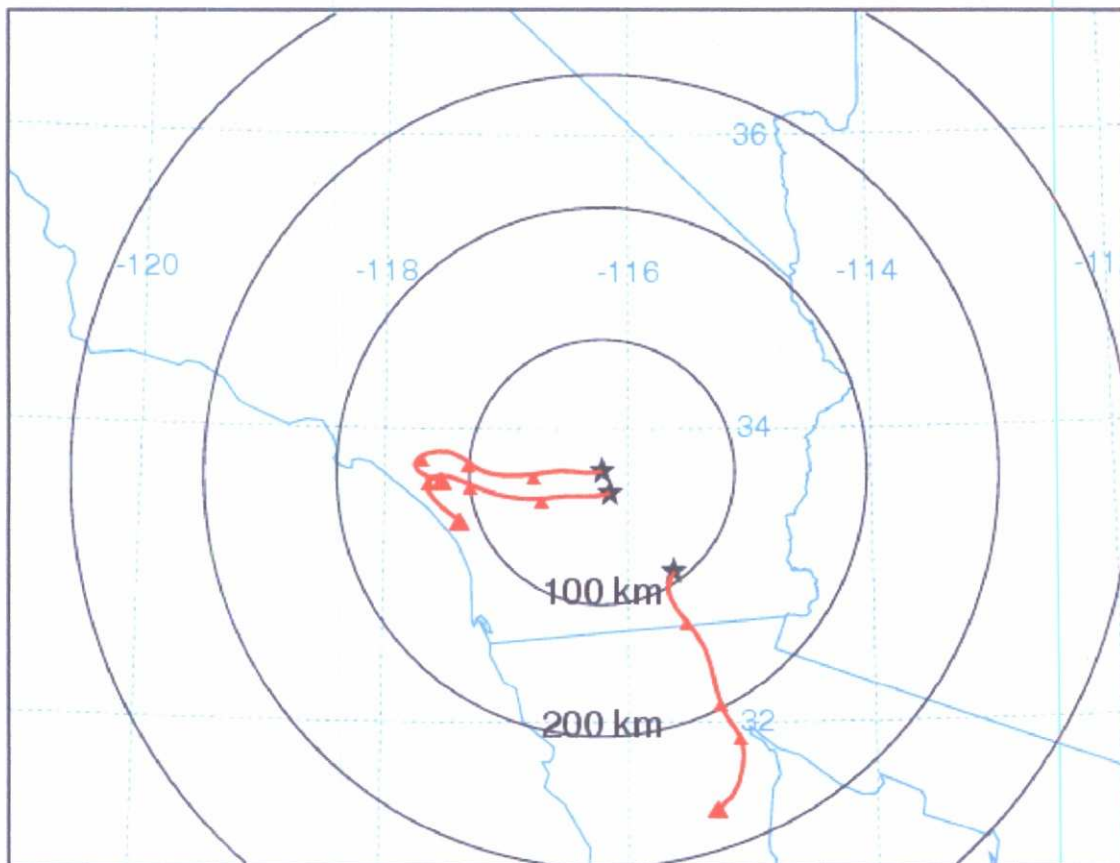
NOAA HYSPLIT MODEL

Forward trajectories starting at 00 UTC 23 Jan 05

EDAS Meteorological Data

Source ★ at multiple locations

Meters AGL



Job ID: 339909 Job Start: Fri Oct 3 18:27:36 GMT 2008
Source 1 lat.: 33.70833 lon.: -116.215833 height: 100 m AGL
Trajectory Direction: Forward Duration: 24 hrs Meteo Data: EDAS40
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)



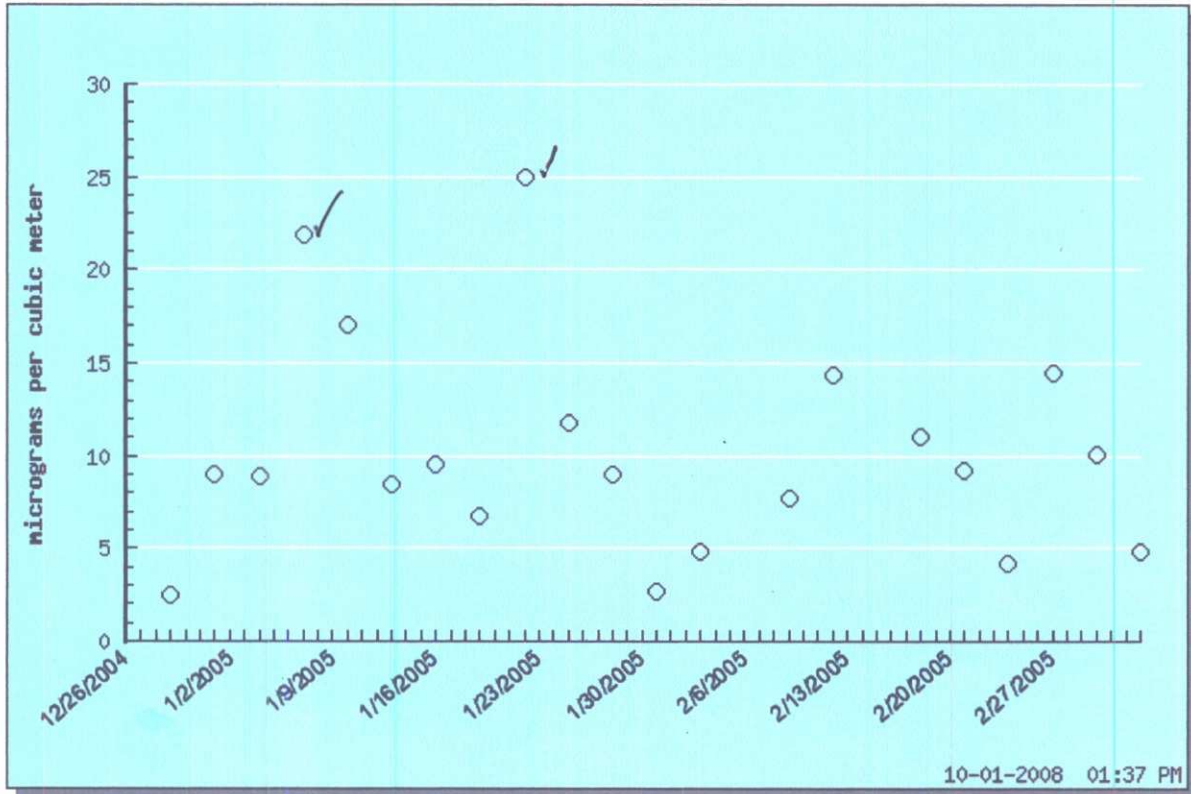
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**Daily Average PM2.5 (National) Measurements
at Indio-Jackson Street**

2005



[FAQs](#)



10-01-2008 01:37 PM

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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide		Hydrogen Sulfide	Sulfur Dioxide	
		Methane	Non-Methane Hydrocarbons		Total Hydrocarbons	
Particles:				PM10 (Local)	PM10 (Standard)	
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride	
		PM10 Total Carbon		PM10 Potassium	PM10 Lead	
		Total Suspended Particulates		TSP Sulfate	TSP Nitrate	TSP Lead
		Dichot Fine Fraction		Dichot Coarse Fraction		
Go to:	Data Statistics Home Page			Weekly Listing Start Page		

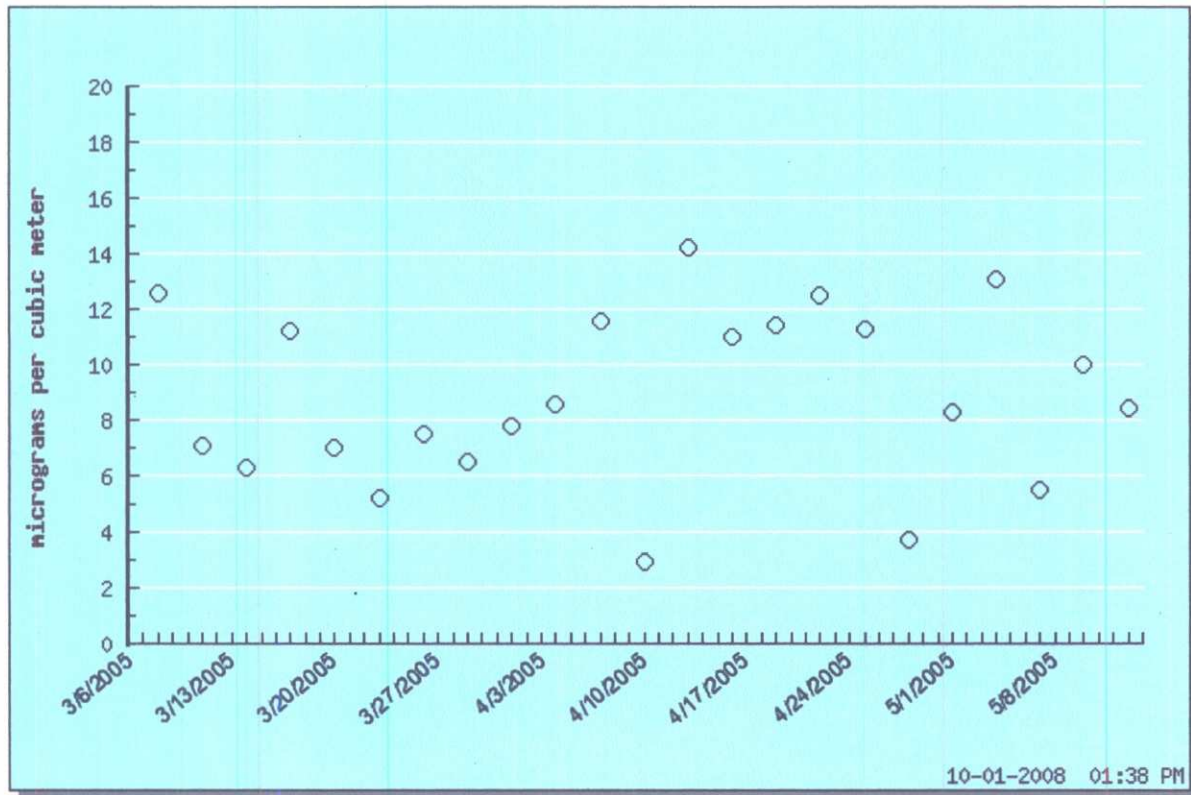


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Daily Average PM2.5 (National) Measurements
at **Indio-Jackson Street**

[FAQs](#)

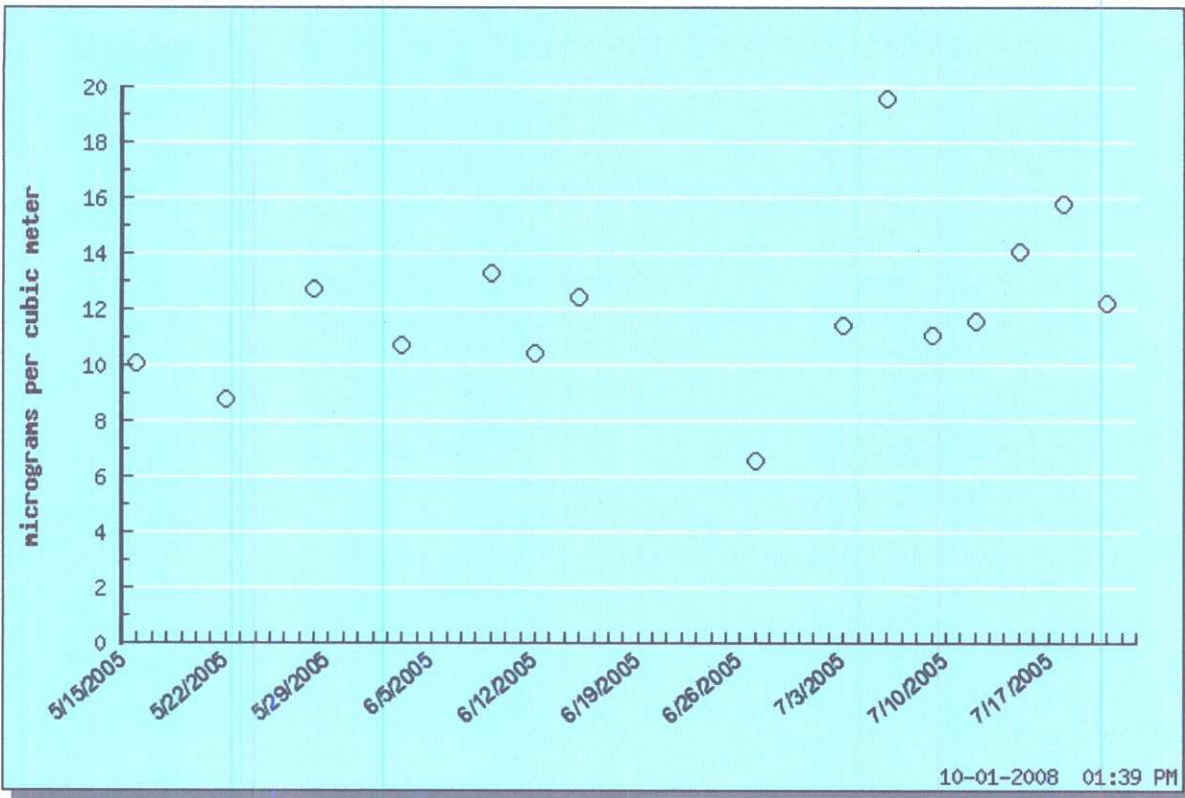


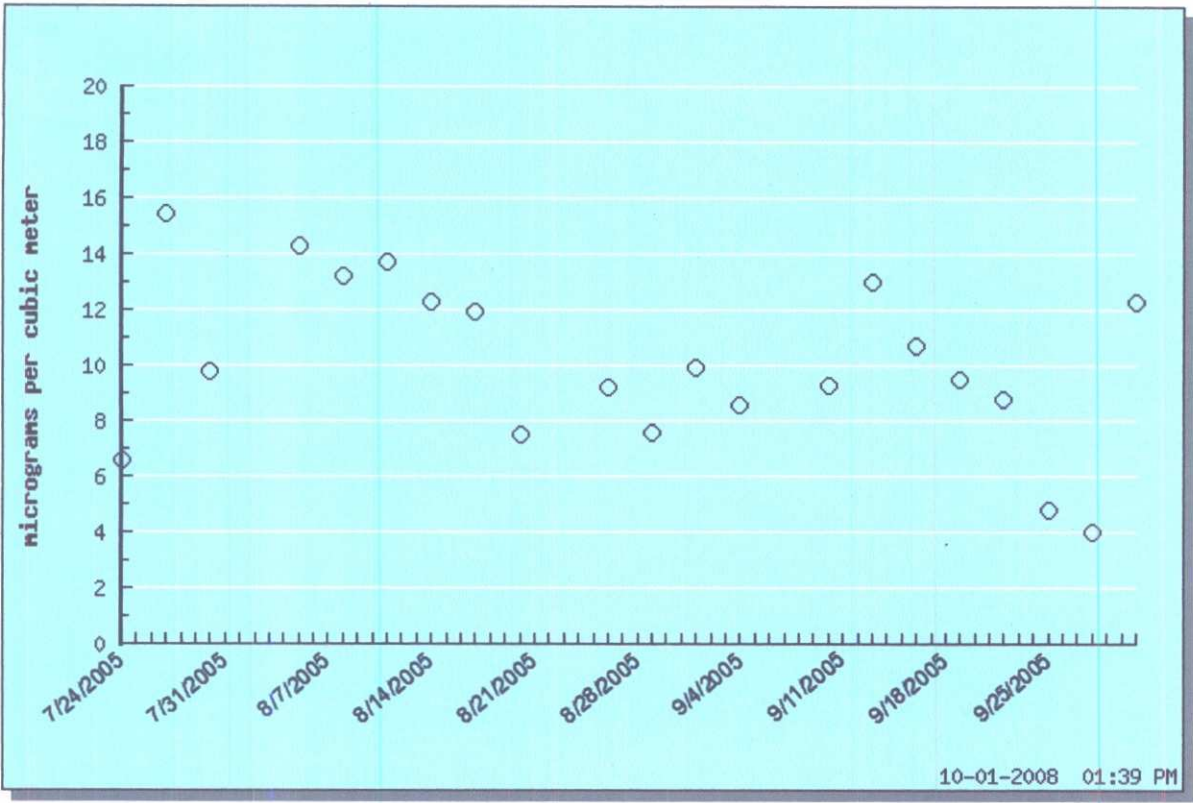
10-01-2008 01:38 PM

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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:		Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides	
			Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide			
			Methane	Non-Methane Hydrocarbons	Total Hydrocarbons			
	Particles:		PM10 (Local)			PM10 (Standard)		
			PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride		
			PM10 Total Carbon	PM10 Potassium	PM10 Lead			
			Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead		
			Dichot Fine Fraction	Dichot Coarse Fraction				
	Go to:		Data Statistics Home Page			Weekly Listing Start Page		





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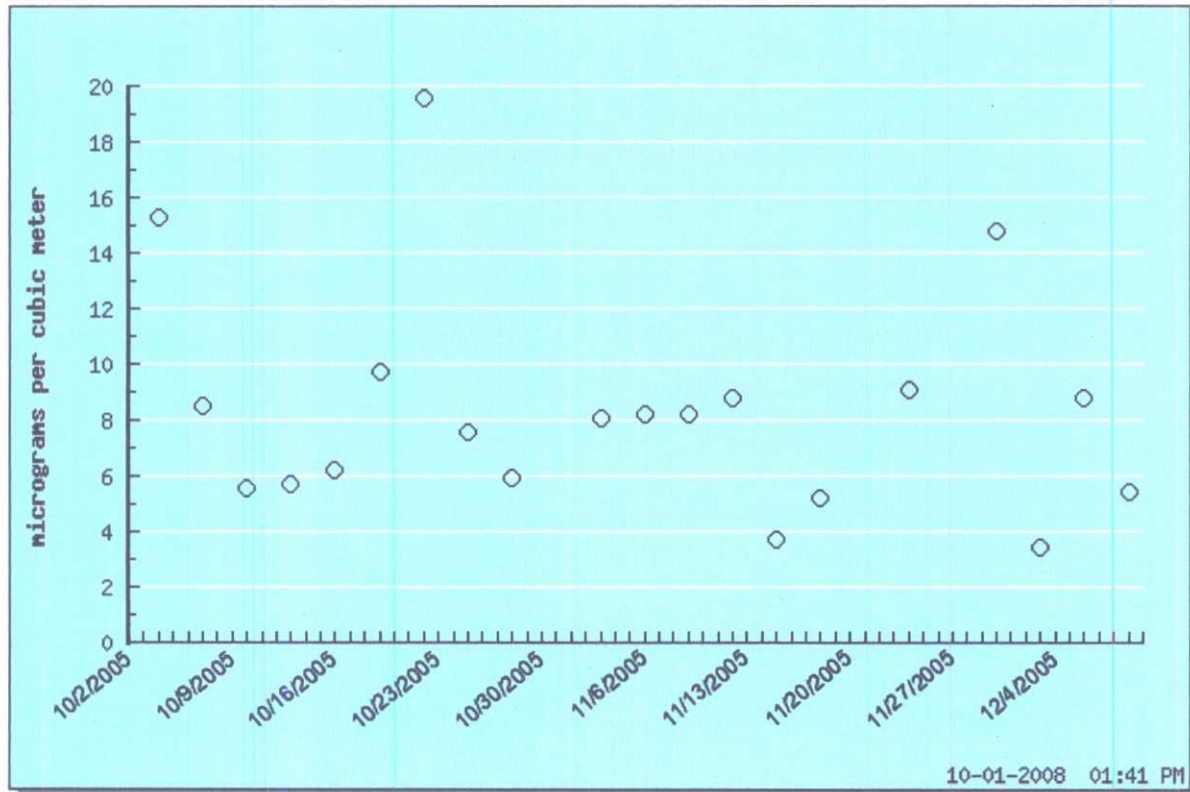


Air Resources Board



Daily Average PM2.5 (National) Measurements
at **Indio-Jackson Street**

[FAQs](#)



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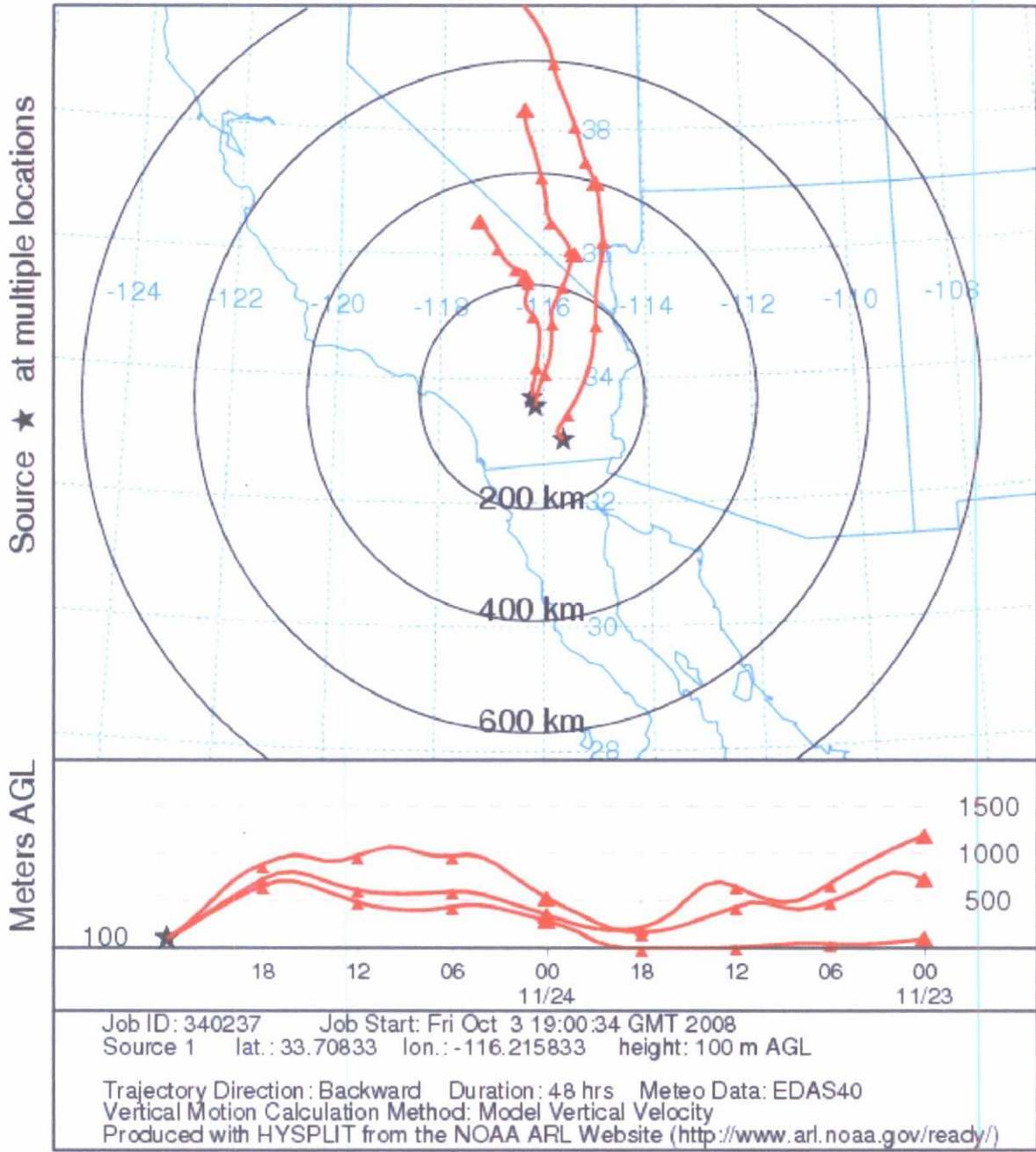
Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide		
		Methane	Non-Methane Hydrocarbons	Total Hydrocarbons		
	Particles:			PM10 (Local)	PM10 (Standard)	
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride	
		PM10 Total Carbon	PM10 Potassium	PM10 Lead		
		Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead	
		Dichot Fine Fraction	Dichot Coarse Fraction			
Go to:	Data Statistics Home Page			Weekly Listing Start Page		

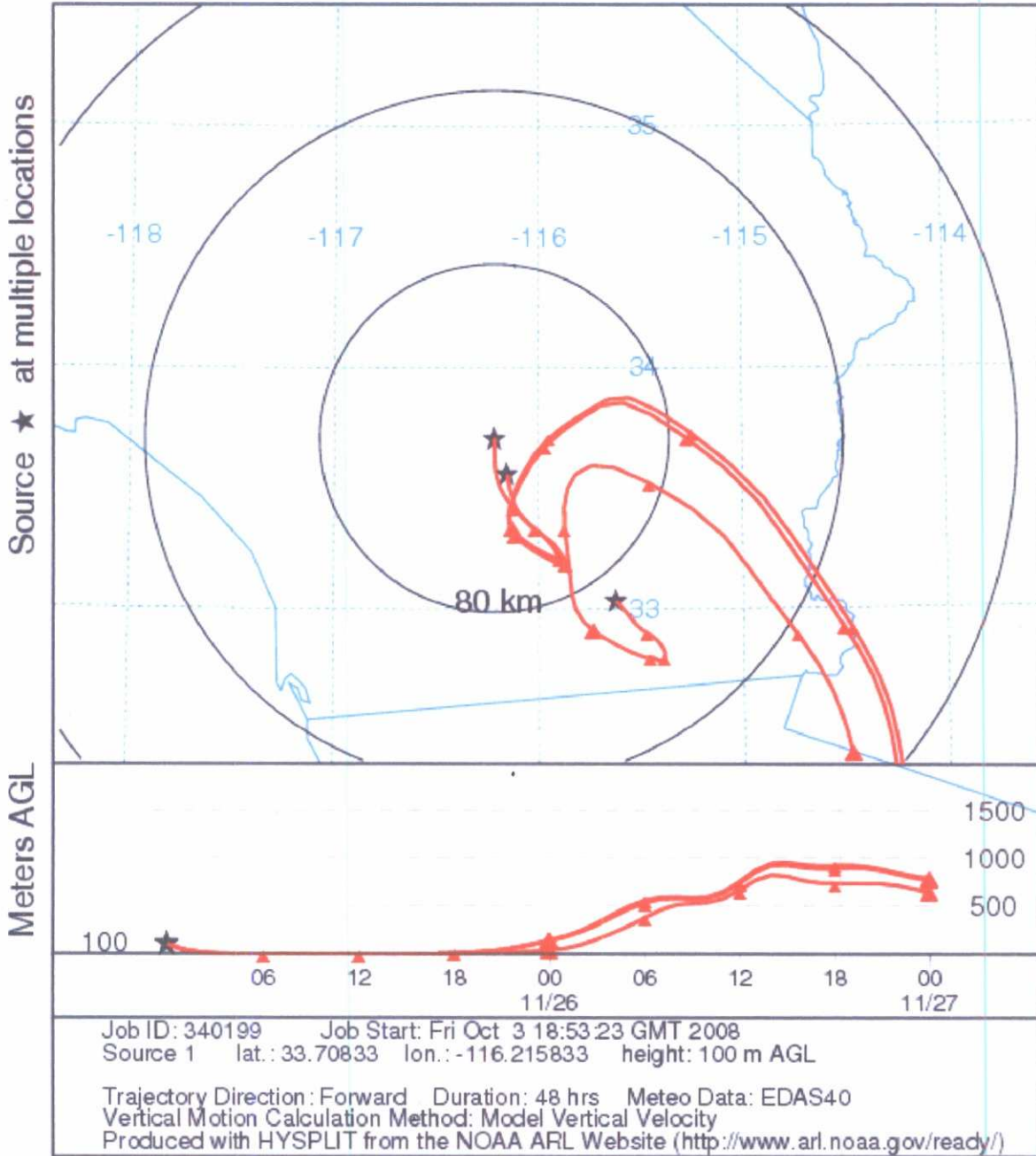
NOAA HYSPLIT MODEL

Backward trajectories ending at 00 UTC 25 Nov 04

EDAS Meteorological Data



NOAA HYSPLIT MODEL
Forward trajectories starting at 00 UTC 25 Nov 04
EDAS Meteorological Data



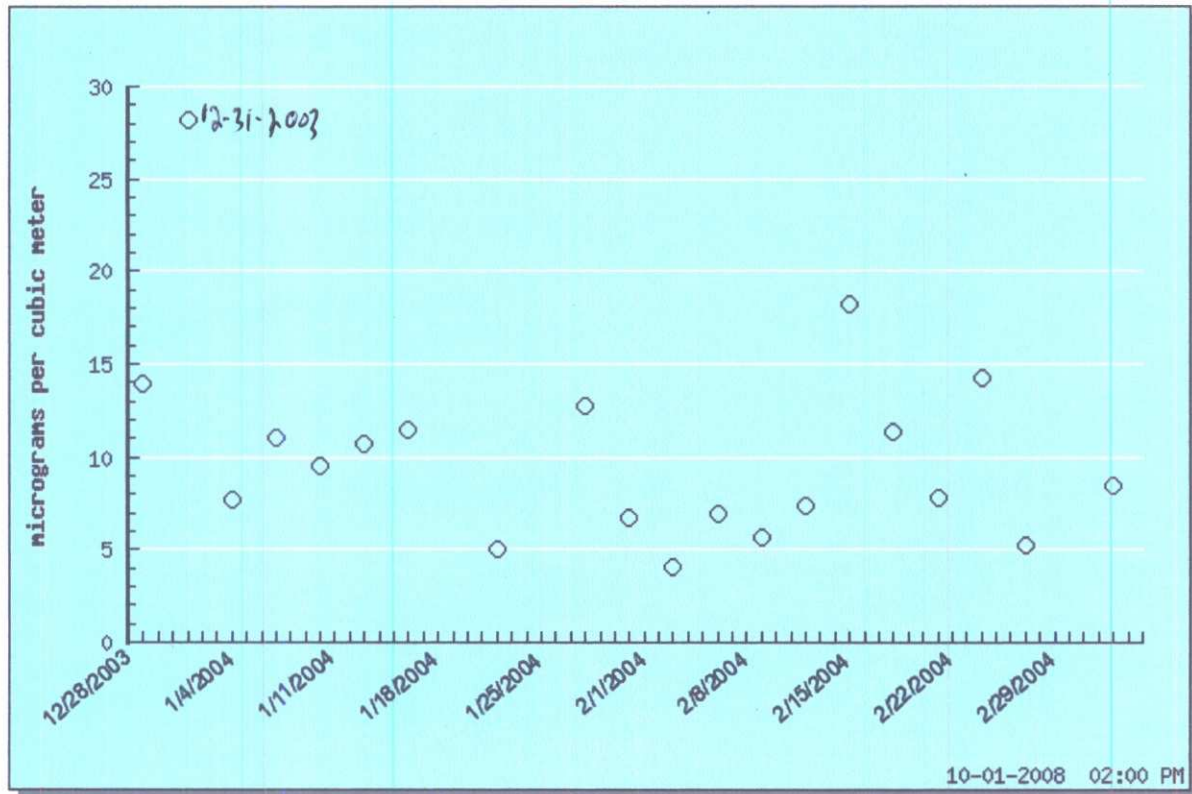


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Daily Average PM2.5 (National) Measurements
at **Indio-Jackson Street**

[FAQs](#)



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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide		Hydrogen Sulfide	Sulfur Dioxide	
		Methane	Non-Methane Hydrocarbons		Total Hydrocarbons	
Particles:				PM10 (Local)	PM10 (Standard)	
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium		PM10 Chloride
		PM10 Total Carbon		PM10 Potassium	PM10 Lead	
		Total Suspended Particulates		TSP Sulfate	TSP Nitrate	TSP Lead
		Dichot Fine Fraction		Dichot Coarse Fraction		
Go to:	Data Statistics Home Page			Weekly Listing Start Page		

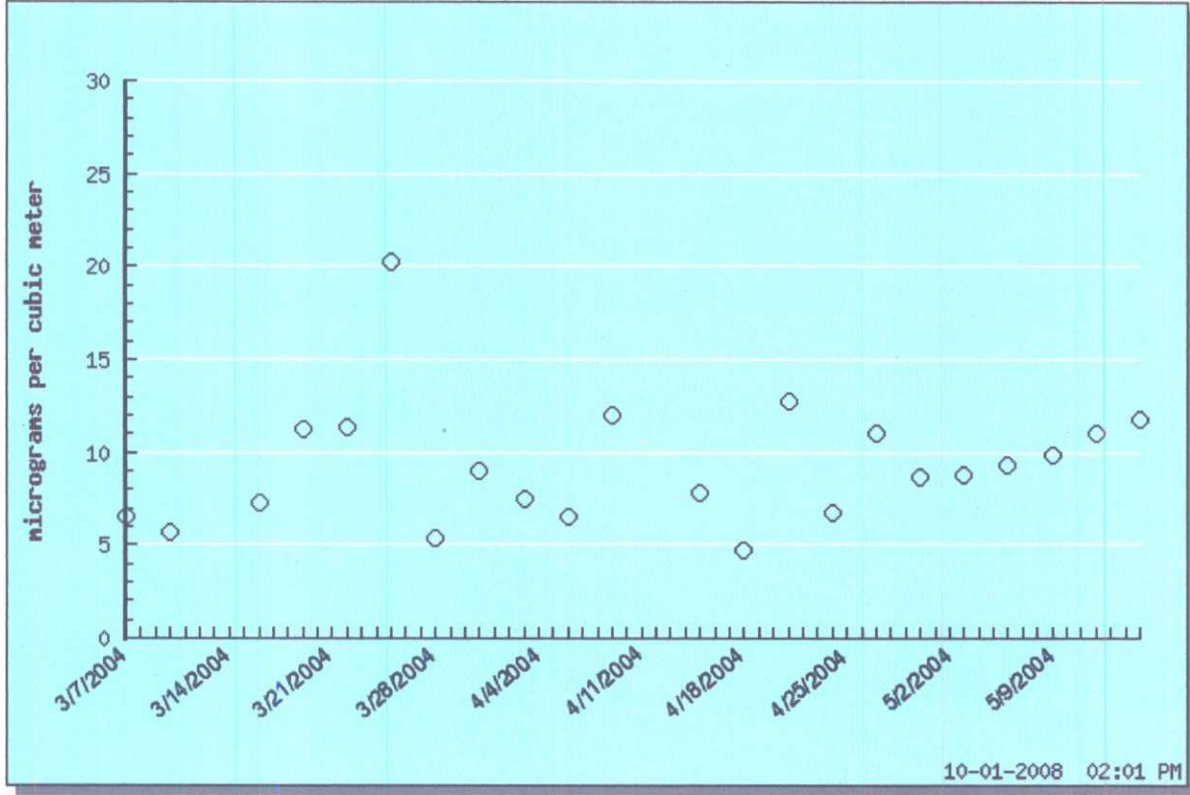


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**Daily Average PM2.5 (National) Measurements
at Indio-Jackson Street**

[FAQs](#)



10-01-2008 02:01 PM

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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide		
		Methane	Non-Methane Hydrocarbons	Total Hydrocarbons		
	Particles:			PM10 (Local)	PM10 (Standard)	
	PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride		
	PM10 Total Carbon	PM10 Potassium	PM10 Lead			
	Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead		
	Dichot Fine Fraction	Dichot Coarse Fraction				
Go to:	Data Statistics Home Page			Weekly Listing Start Page		

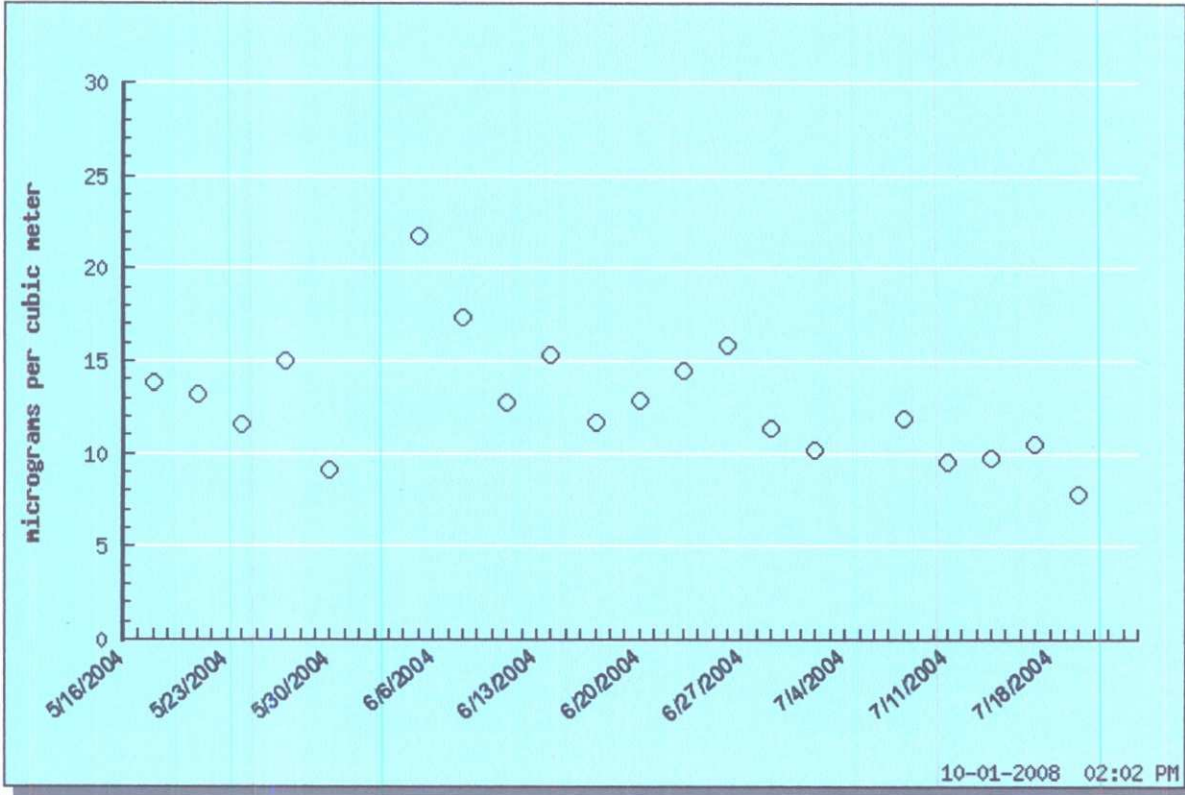


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**Daily Average PM2.5 (National) Measurements
at Indio-Jackson Street**

[FAQs](#)



10-01-2008 02:02 PM

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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide		
		Methane	Non-Methane Hydrocarbons	Total Hydrocarbons		
Particles:				PM10 (Local)	PM10 (Standard)	
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride	
		PM10 Total Carbon	PM10 Potassium	PM10 Lead		
		Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead	
		Dichot Fine Fraction	Dichot Coarse Fraction			
Go to:	Data Statistics Home Page		Weekly Listing Start Page			

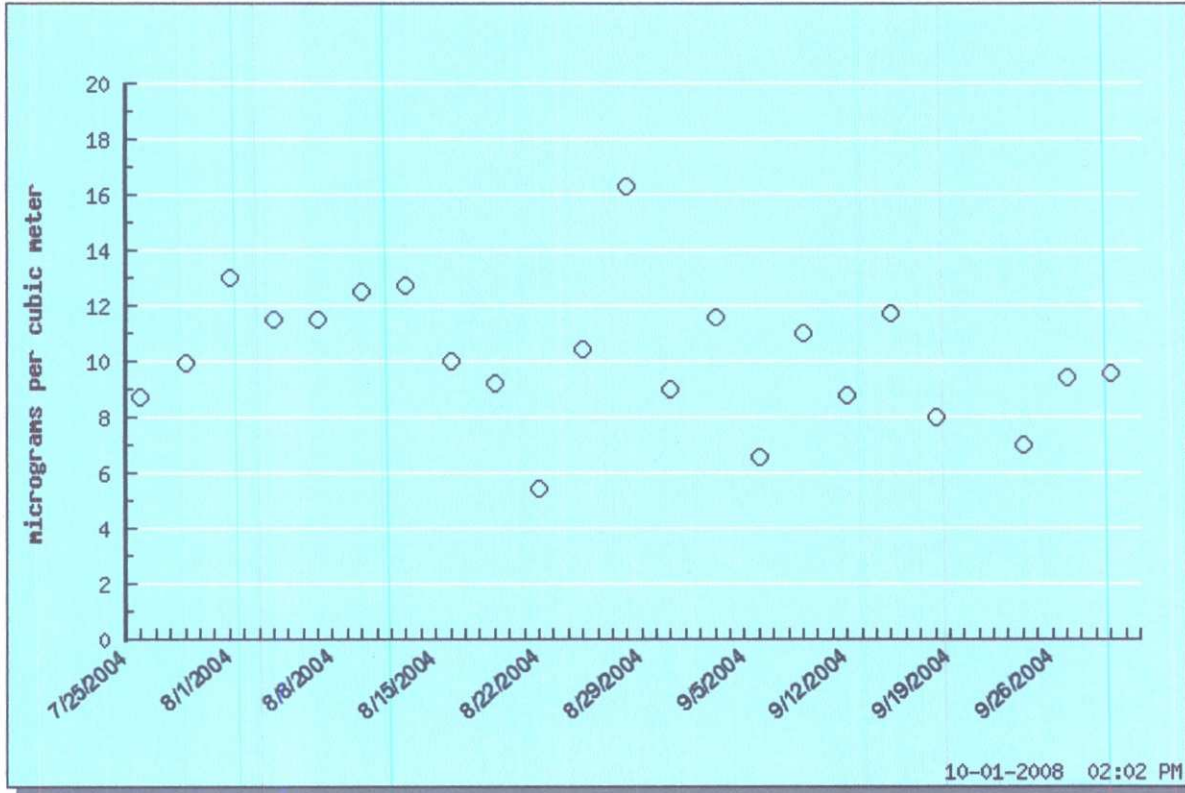


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Daily Average PM2.5 (National) Measurements
at **Indio-Jackson Street**

[FAQs](#)



10-01-2008 02:02 PM

[Print this Page](#)

Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide		
		Methane	Non-Methane Hydrocarbons	Total Hydrocarbons		
Particles:				PM10 (Local)	PM10 (Standard)	
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride	
		PM10 Total Carbon	PM10 Potassium	PM10 Lead		
		Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead	
		Dichot Fine Fraction	Dichot Coarse Fraction			
Go to:	Data Statistics Home Page			Weekly Listing Start Page		

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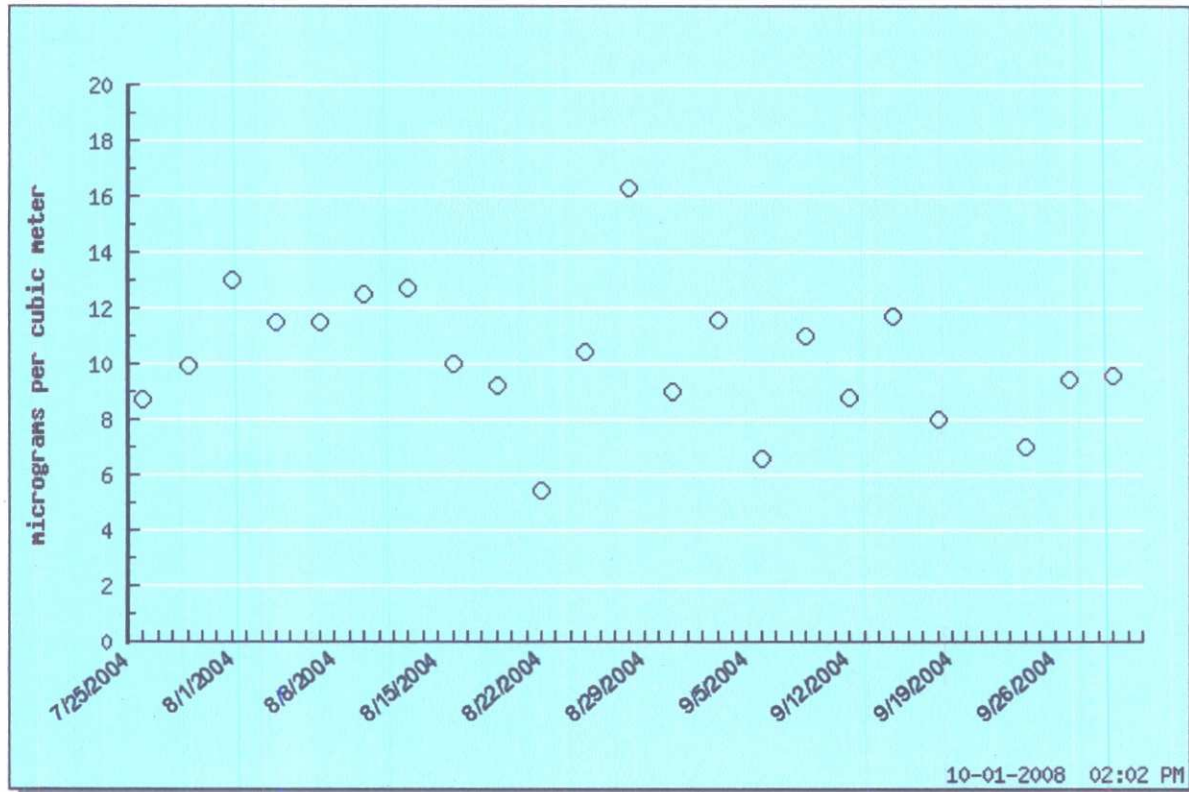


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**Daily Average PM2.5 (National) Measurements
at Indio-Jackson Street**

FAQs



10-01-2008 02:02 PM

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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide		Hydrogen Sulfide	Sulfur Dioxide	
		Methane	Non-Methane Hydrocarbons		Total Hydrocarbons	
Go to:	Particles:				PM10 (Local)	PM10 (Standard)
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium		PM10 Chloride
		PM10 Total Carbon		PM10 Potassium	PM10 Lead	
		Total Suspended Particulates		TSP Sulfate	TSP Nitrate	TSP Lead
		Dichot Fine Fraction		Dichot Coarse Fraction		
	Data Statistics Home Page			Weekly Listing Start Page		

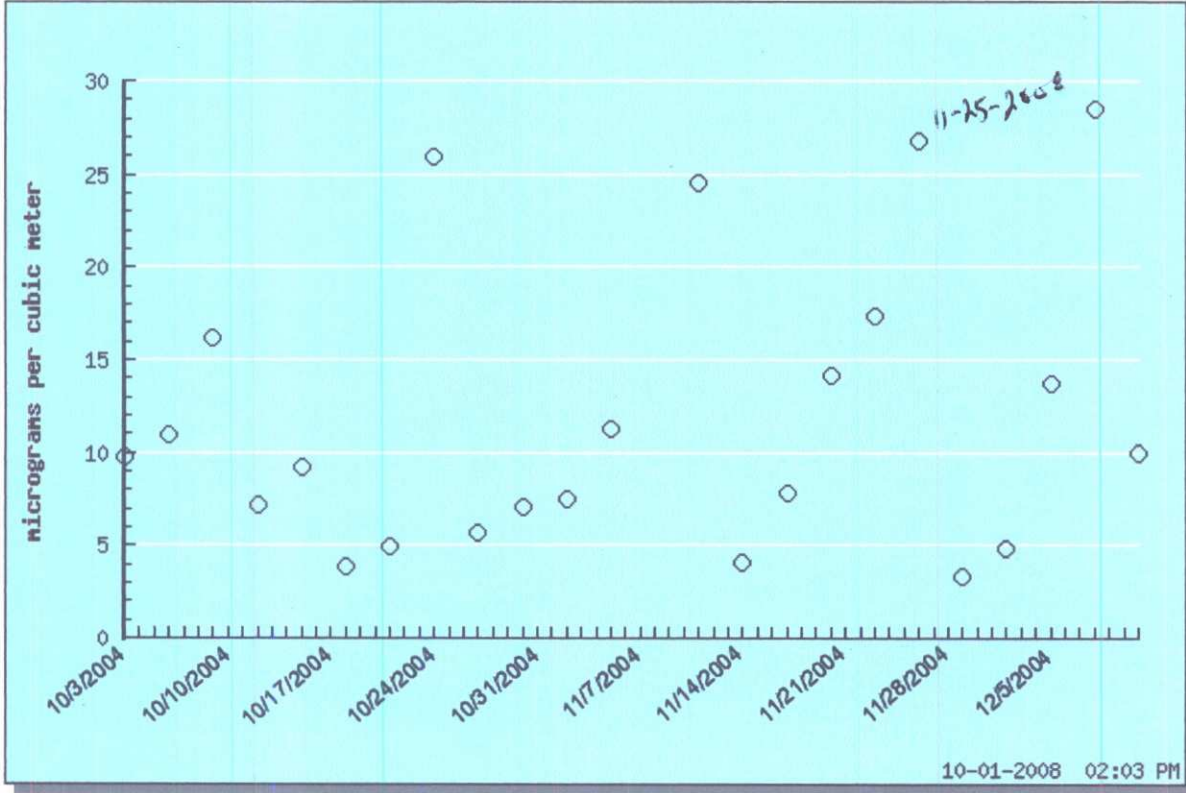


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**Daily Average PM2.5 (National) Measurements
at Indio-Jackson Street**

[FAQs](#)



10-01-2008 02:03 PM

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Notes: All values listed above represent 24-hour measurements.

Switch:	Gases:	Ozone	Total Oxidant	Nitrogen Dioxide	Nitric Oxide	Nitrogen Oxides
		Carbon Monoxide	Hydrogen Sulfide	Sulfur Dioxide		
		Methane	Non-Methane Hydrocarbons	Total Hydrocarbons		
Particles:				PM10 (Local)	PM10 (Standard)	
		PM10 Sulfate	PM10 Nitrate	PM10 Ammonium	PM10 Chloride	
		PM10 Total Carbon	PM10 Potassium	PM10 Lead		
		Total Suspended Particulates	TSP Sulfate	TSP Nitrate	TSP Lead	
		Dichot Fine Fraction	Dichot Coarse Fraction			
Go to:	Data Statistics Home Page			Weekly Listing Start Page		

