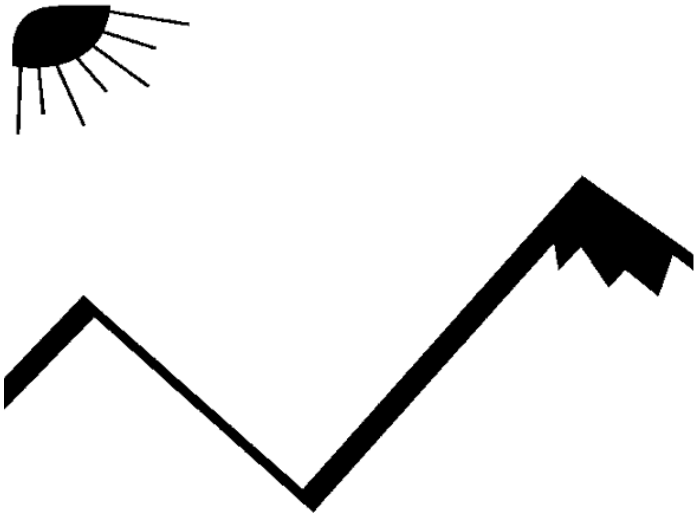
Exceptional Event Documentation

Bakersfield, California
April 11, 2010



San Joaquin Valley
Unified Air Pollution Control District

September 1, 2011

Prepared By
Shawn Ferreria, Senior Air Quality Specialist
Jennifer Ridgway, Air Quality Specialist

Documentation Provided By
The Compliance Department Inspection Section and Air Monitoring Section Staff
David Nunes, Senior Air Quality Specialist
Jon Klassen, Air Quality Specialist

Reviewed By
Samir Sheikh, Director of Strategies and Incentives
Errol Villegas, Strategies and Incentives Manager
Stephen Shaw, Supervising Air Quality Specialist

San Joaquin Valley Unified Air Pollution Control District
1990 E. Gettysburg Avenue
Fresno, California 93726

(559) 230-6100

www.valleyair.org

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Executive Summary

The analysis in this report demonstrates that the exceedances of the PM10 National Ambient Air Quality Standard (NAAQS) recorded on April 11, 2010 were caused by unusually strong winds, and therefore qualify as an Exceptional Event under the Clean Air Act. Without the winds PM10 levels were expected to be between 19 µg/m^3 and 38 µg/m^3.

A strong low pressure system approached the northwestern California coast on April 11 and caused the high wind event. Strong and gusty south-southeasterly winds developed and flowed downslope off the Tehachapi Mountains into the southern San Joaquin Valley. Initially, the strong south-southeasterly winds over the valley portion of Kern County entrained and transported dust to the Bakersfield-California monitor. Between 11:00 AM PST and 4:00 PM PST, wind speeds at the monitoring site were sufficient enough to entrain and cause elevated PM10 levels. The wind storm overwhelmed the San Joaquin Valley Air Pollution Control District's rigorous particulate matter emission controls and led to historically high PM10 concentrations in the Bakersfield area. The PM10 measurement on April 11 was the 2nd highest measurement ever recorded at the site since monitoring began in 1994. The exceedances of the NAAQS would not have occurred but for the wind event.

Table ES-1: 24-hour Average PM10 Concentrations, April 11, 2010
(Real-time Monitor)

Site	PM10 Concentration
Bakersfield-California	238 µg/m^3

This report meets all U.S. Environmental Protection Agency (EPA) documentation standards for Exceptional Events (see Section 1). Pursuant to federal regulations, with EPA concurrence, the April 11, 2010 PM10 measurement shown in Table ES-1 would be excluded from consideration regarding the NAAQS (40 Code of Federal Regulations (CFR) 50.14(b)) and any other regulatory purposes.

Section 1: Meeting Federal Requirements for Exceptional Events

EPA's *Treatment of Data Influenced by Exceptional Events* rule (codified in 40 CFR 50) describes the requirements for exceptional events flagging and documentation. The District meets all of these procedural and documentation requirements.

1.1: Procedural Requirements

1. **Public notification that event was occurring** (*40 CFR 50.14(c)*)

   The District issued a press release on April 11, 2010 at 2:00 PM PDT highlighting elevated PM10 levels due to high winds (see Appendix C).

2. **Place informational flag on data in the Air Quality System (AQS)** (*40 CFR 50.14(c)(2)(i)*)

   The District submits real-time data into AQS. Once the data is in AQS, if the District's preliminary analysis supports influence from an exceptional event, the District submits a preliminary flag into AQS. The data is not official until it undergoes more thorough quality assurance and quality control, leading to certification by May 1 of the year following the calendar year in which the data was collected (40 CFR 58.15(a)(2)). The event is not official until the exceptional event documentation is approved by EPA. An AQS printout showing that the data has been flagged is in Appendix H.

3. **Notify EPA of intent to flag through submission of initial event description by July 1 of calendar year following event** (*40 CFR 50.14(c)(2)(iii)*)

   Shortly after the date of the event in question, the District notified EPA of the Exceptional Event via phone call. The District submitted a letter to the California Air Resources Board (CARB) on May 2, 2011 listing the days the District intended to analyze under the exceptional events policy (see Appendix A). The April 11, 2010 PM10 high wind event was included on this list. CARB then sent the District's list to EPA.

4. **Document that the public comment process was followed for event documentation** (*40 CFR 50.14(c)(3)(v)*)

   The District conducted a 30-day public comment period on this document from September 1, 2011 through October 1, 2011. Public notice was published in Valley newspapers and on the District website. Evidence of this notice can be found in Appendix I.

5. **Submit demonstration supporting exceptional event** (*40 CFR 50.14(a)(1-2)*)

   This document is intended to satisfy this requirement.

1.2: Documentation Requirements

6. **Provide evidence that the event satisfies "exceptional event" criteria set forth in 40 CFR 50.1(j)** (*40 CFR 50.14(c)(3)(iv)(A)*)

   See Sections 2 and 3 of this document.
   According to 40 CFR 50.1(j), also Clean Air Act (CAA) Section 319, an exceptional event meets all of the following criteria:
   a. Is not reasonably controllable or preventable (See Section 2 of this document)
   b. Affects air quality (See Section 3 of this document)
   c. Is caused by either (1) human activity that is unlikely to recur at a particular location or (2) a natural event (See Section 3 of this document)
   d. Is determined by EPA to be in accordance with 40 CFR 50.14 to be an exceptional event (Pending EPA concurrence upon receipt of this document)

7. **There is a clear, causal relationship between the measurement under consideration and the event** (*40 CFR 50.14(c)(3)(iv)(B)*)

   See Section 3 of this document.

8. **Provide evidence that the event is associated with a measured concentration in excess of normal, historical fluctuations** (*40 CFR 50.14(c)(3)(iv)(C)*)

   See Section 4 of this document.

9. **Provide evidence that there would have been no exceedance or violation but for the event** (the "but for" test) (*40 CFR 50.14(c)(3)(iv)(D)*)

   See Section 4 of this document.

Section 2: Air Pollutant Controls in the San Joaquin Valley

This section satisfies the following federal requirement:

- An exceptional event is one that is not reasonably controllable or preventable (*40 CFR 50.14(c)(3)(iv)(A) and 40 CFR 50.1(j)*)

While high winds are not controllable, particulate matter emissions have been stringently controlled by the San Joaquin Valley Air Pollution Control District (District) in order to reduce PM10 levels. The District's air pollution controls are recognized as some of the toughest in the nation. Most notable among the District's PM controls:

- Regulation VIII (Fugitive PM10 Prohibitions), which requires actions to prevent, reduce, and mitigate anthropogenic fugitive dust emissions.
- Rule 4103 (Open Burning), which prohibits the burning of most agricultural waste materials and severely restricts the burning of the non-prohibited material, in conjunction with the District's Smoke Management Program.
- Rule 4106 (Prescribed Burning and Hazard Reduction Burning), which assures that the controlled burning of forest and rangeland residue in the District's foothills and mountains is conducted in a way to prevent air quality problems.
- Rule 4550 (Conservation Management Practices), which limits fugitive dust emissions from agricultural operations.
- Rule 4901 (Wood Burning Fireplaces and Wood Burning Heaters), which restricts wood burning when ambient PM10 concentrations reach or exceed 135 $\mu g/m^3$ or ambient PM2.5 concentrations reach or exceed 30 $\mu g/m^3$ between November 1 and February 28.

Recognizing the effectiveness of the District's PM control measures, EPA approved the District's PM10 control strategy as Best Available Control Measures (BACM) in its May 26, 2004 approval of the *2003 PM10 Plan* (69 *FR* 30035). EPA reiterated this BACM approval in its November 12, 2008 approval of the District's *2007 PM10 Maintenance Plan*, noting that EPA had also approved many of the District's individual rules as BACM since the *2003 PM10 Plan* approval (73 *FR* 66766). In addition, PM and PM precursors continue to be further controlled in the Valley through the District's ongoing planning and regulatory efforts, including the *2007 Ozone Plan*, the *2008 PM2.5 Plan*, and the resulting control measures.

The District's BACM and other control measures have significantly reduced ambient PM10 concentrations and allowed the San Joaquin Valley Air Basin to attain the PM10 NAAQS. The District's BACM-level pollution controls are designed for the typical range of climate conditions in the San Joaquin Valley. For a natural event to overwhelm these controls, the characteristics of the event - by definition - must be outside the norm. Since the District's controls are considered Best Available Control Measures and because the controls were in place at the time, the dust entrained on April 11, 2010 was clearly not reasonably controllable or preventable.

Human activities that generated PM10 emissions were approximately constant before, during and after the April 11, 2010 wind event (Table 3-4), indicating that the sudden increase in PM10 concentrations was not driven by human activity. Based on a survey of the available information, there is no evidence of unusual anthropogenic emissions on April 11, 2010.

Pursuant to District Rule 4103 and the District's Smoke Management Program, agricultural burning was authorized in the San Joaquin Valley on April 11, 2010. No burning was authorized upwind of the Bakersfield-California monitoring site on that day. The District authorized a total of 5.9056 tons of PM10 emissions on this day in the northern and western parts of Kern County, Tulare, Kings, Fresno, Madera, Merced, Stanislaus, and San Joaquin Counties. The wind flow from the south-southeast on April 11, 2010 carried any emissions from agricultural burning away from the Bakersfield area.

Typical April farming operations in Kern County include harvesting of annual winter crops, spring land preparation practices for permanent crops and annual summer crops to increase irrigation water infiltration into the soil (reduce soil compaction), reduce and prevent weed growth and weed competition with the desired crops, and to condition the soil for seed bed preparation for summer annual plantings. The San Joaquin Valley Air Pollution Control District has several effective fugitive dust control measures in place. Examples are District Rule 8061 (Paved and Unpaved Roads) and Rule 8081 (Agricultural Sources). These rules establish fugitive dust control requirements to stabilize non-field surfaces of paved and unpaved roads, vehicle and equipment parking and traffic areas, vehicle carryout / trackout, and bulk material piles. District Rule 4550 (Conservation Management Practices) for agricultural operations implements multiple fugitive dust control measures for land preparation/cultivation, harvest activities, unpaved roads and equipment yards, and other cultural practices that minimize PM10 emissions.

The above practices are applied as an industry standard and they sufficiently control dust under the San Joaquin Valley's typical range of weather patterns. Exceptions to fugitive dust control may occur when unusual weather conditions overwhelm properly applied and timed dust control practices.

Additionally, a summary of the District's compliance inspections, and a video image on April 11, 2010 is shown in Appendix E.

Section 3: PM10 concentrations were caused by a natural high wind event

This section satisfies the following federal requirements:

- The event was caused by a natural event (*40 CFR 50.14(c)(3)(iv)(A) and 40 CFR 50.1(j),*
- The event affected air quality (*40 CFR 50.14(c)(3)(iv)(A) and 40 CFR 50.1(j),*
- There is a clear, causal relationship between the measurement under consideration and the event (*40 CFR 50.14(c)(3)(iv)(B)*)

On April 11, 2010, a high wind event caused the entrainment and transport of geologic particulate matter (PM) from the southern San Joaquin Valley through the Bakersfield area. Reports of blowing dust in the Bakersfield area occurred as a result of the wind storm. The southern and southeastern portions of the San Joaquin Valley were affected by this event, particularly the Bakersfield area (see Figure 1).

According to T&B Systems analysis of the California Regional Particulate Air Quality Study (CRPAQS) study area:

> "There is evidence that winds at speeds of approximately 8 m/s [meters per second; 8 m/s is approximately 17.9 miles per hour (mph)] or greater can contribute to coarse particulate concentrations. … there are indications that higher gusts associated with lower wind speeds (e.g. 10 m/s [22.3 mph] gusts when average wind speeds are closer to 6 m/s [13.4 mph]) may provide explanations for higher coarse mass concentrations" (T&B Systems, 2004, p 4).

This report concluded that wind speeds of 8 m/s (17.9 mph) could be sufficient to entrain surface soil into the atmosphere. The District used this speed as an indicator of the potential for dust entrainment during high wind events.

There are many sources of documentation that may be used to establish an exceptional event:

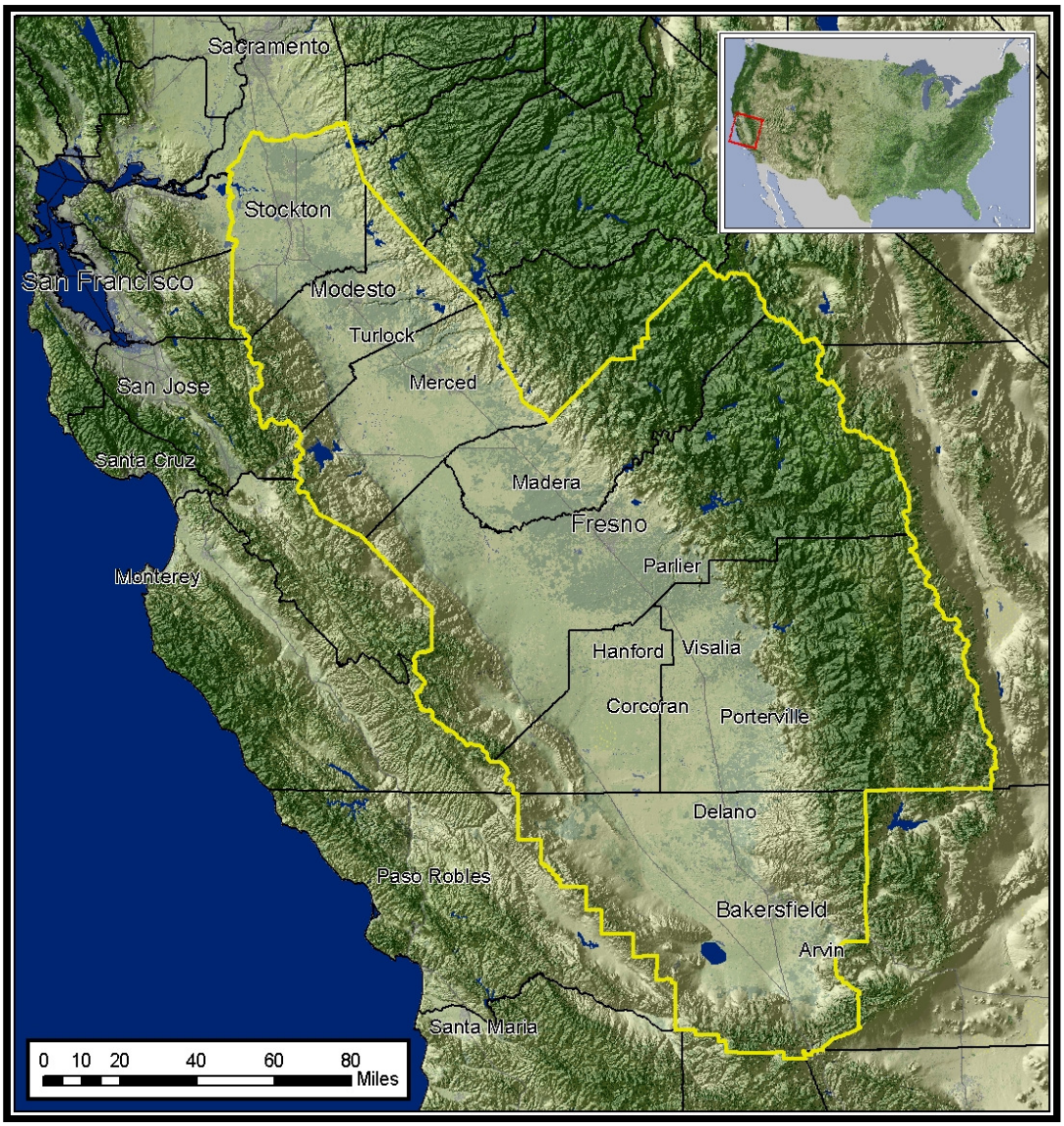
- Meteorological data (e.g., wind speed and wind direction to support a source receptor relationship)
- Modeling and receptor analysis
- Videos and/or photographs of the event and the resulting emissions
- Maps of the areas showing sources of emissions and the area affected by the event
- Media accounts of the event

Initially, the strong winds from the south-southeast over the valley portion of Kern County entrained and transported dust to the Bakersfield-California monitor. Between 11:00 AM PST and 4:00 PM PST, wind speeds at the monitoring site were sufficient enough to entrain and cause elevated PM10 levels.

3.1: A natural event of high winds occurred on April 11, 2010

As shown in Figure 1, the San Joaquin Valley is a distinct inter-mountain valley in Central California, oriented southeast to northwest, with the slightly higher end of the valley closer to Los Angeles and the low end at the Sacramento-San Joaquin River Delta near San Francisco. The Valley is bounded by the Sierra Nevada range to the east, the Temblor and Coastal ranges to the west and the Tehachapi and San Emigdio ranges to the south. The floor of the San Joaquin Valley is approximately 200 miles long and 80 miles wide on average. In April of each year, the wind direction is generally from the northwest, following the orientation of the valley and Sierra Nevada Mountains.

Figure 1: Map showing San Joaquin Valley



A strong low pressure system approached the northwestern California coast on April 11 and caused the high wind event. Strong and gusty winds developed from the south-southeast and flowed downslope off the Tehachapi Mountains into the southern San Joaquin Valley. A cold front passed through the region during the evening of April 11. There was a significant drop in temperature over just a two day period, from April 10 through April 12 (shown in Table 3-1) which demonstrates the change in the weather pattern that occurred.

Table 3-1: Drop in maximum temperature surrounding the event

	April 9	April 10	April 11	April 12
Bakersfield	74	74	68	64

Strong winds that occurred on April 11 were sufficient enough to entrain dust into the atmosphere and transport and deposit it in Bakersfield and other parts of the southern San Joaquin Valley from between 10:00 AM PST until 8:00 PM PST. The wind speed measured at the Bakersfield California air monitoring station (10 meters Above Ground Level (AGL)) was high enough to entrain dust shortly after 11:00 AM PST. A peak hourly wind speed of 20.7 mph (see Table 3-2 and Appendix F) was observed at the Bakersfield-California monitor at 12:00 and 2:00 PM PST.

The surface observations from Bakersfield Meadows Airport listed in Table 3-3 and Appendix F show that on April 11, 2010, winds from the south-southeast in the Bakersfield area were at speeds of 17 mph or greater from 10:54 AM to 7:05 PM PST, with a peak wind speed of 35 mph at 1:39 PM PST and 1:54 PM PST, and a peak wind gust of 46 mph at 12:12 PM PST and 12:54 PM PST. The dust plume continued north-northwestward where it was deposited. The real-time PM10 monitor at Corcoran measured an elevated PM10 measurement of 428 $\mu g/m^3$ at 2:00 PM PST. The rest of the available Corcoran PM10 hourly measurements were below the PM10 NAAQS (the Corcoran PM10 monitor experienced a power outage between 5:00 PM PST and 9:00 PM PST). In reviewing local visibility observations at Hanford and Lemoore and the real-time PM10 data from Corcoran, only a few hours may have been impacted by dust deposition.

On April 11, 2010 strong and gusty winds observed to the south-southeast of Bakersfield and at the monitoring site resulted in the entrainment and transport of blowing dust across the southern portion of the Valley.

3.2: The high winds affected air quality

PM10 concentrations were at their highest for the week on April 11, 2010, as shown in Table 3-4. In Bakersfield, PM10 concentrations were well below the PM10 NAAQS from April 8 through April 10, 2010. A strong low pressure system approached the northwestern California coast on April 11 and generated winds sufficient enough to cause blowing dust in the southern San Joaquin Valley. The high wind event caused elevated PM10 levels at the Bakersfield monitoring station. The cold front arrived in Bakersfield around 7:00 PM PST, bringing precipitation and better dispersion to the area. Shortly thereafter, PM10 levels dropped significantly upon frontal passage.

Table 3-2: High winds across the southern and southeastern San Joaquin Valley caused PM10 concentrations to increase at Bakersfield on April 11, 2010.

	High wind area south of the source region			Source region South-southeast of Bakersfield		18 miles to the southeast of Bakersfield				
Hour (PST)	**Grapevine Peak Wind Speed (mph) and Wind Gust (mph)** at 10 m AGL			**Grapevine Wind Speed (mph) and Wind Gust (mph)** at 10 m AGL		**Arvin-Bear Mountain Blvd Wind Speed (mph) and Wind Direction** at 10 m AGL		**Bakersfield - California Wind Speed (mph) and Wind Direction** at 10 m AGL		**Bakersfield PM10 (µg/m3)**
	Wind Speed (mph)	Wind Gust (mph)	Wind Direction	Wind Speed (mph)	Wind Direction	Wind Speed (mph)	Wind Direction	Wind Speed (mph)	Wind Direction	
0	21	32	SSE	9	NW	2.3	ENE	3.5	N	23
1	26	34	S	7	SW	1.2	S	2.3	NW	31
2	31	39	S	7	WSW	2.3	SE	2.3	WNW	28
3	24	43	S	11	W	2.3	SE	2.3	W	29
4	18	34	SSE	9	W	2.3	S	2.3	E	33
5	26	35	SSE	6	SW	2.3	SE	2.3	E	40
6	30	39	SSE	3	SE	3.5	ENE	3.5	ESE	36
7	32	47	S	8	SW	2.3	NNE	2.3	ESE	38
8	42	50	S	6	NNW	2.3	N	3.5	SSE	39
9	47	58	S	8	NW	4.6	N	4.6	SSE	67
10	47	58	S	9	NW	4.6	NNE	12.7	SSE	242
11	50	61	S	19	S	4.6	SSE	17.3	SSE	765
12	45	64	S	22	ESE	16.1	S	20.7	SSE	1000
13	43	61	S	27	SE	17.3	S	19.6	SSE	925
14	42	59	S	19	SE	20.7	S	20.7	SSE	654
15	30	55	S	19	S	28.8	SSE	17.3	SSE	482
16	38	52	S	23	SE	31.1	SSE	18.4	SSE	418
17	35	53	S	21	SE	29.9	SSE	13.8	SSE	430
18	32	50	S	28	SE	24.2	SSE	5.8	SSE	372
19	28	57	S	14	SE	17.3	S	11.5	NW	24
20	5	33	ESE	26	NW	4.6	N	5.8	NNW	12
21	7	10	NNE	6	N	4.6	E	3.5	ENE	11
22	1	8	N	6	SE	4.6	E	6.9	ESE	9
23	6	18	SW	12	SE	6.9	E	5.8	ESE	4
								24 Hour Average		**238**

Hour 0 is Midnight to 1 AM, Pacific Standard Time. Wind data from Grapevine Peak and Grapevine was obtained through the MesoWest website http://www.met.utah.edu/mesowest/. Grapevine Peak is logged hourly based on a 10-minute average from no less than 120 samples. Grapevine data is the measurement taken at the 53rd minute. When the 53rd minute was unavailable, the 54th minute was used instead. Arvin-Bear Mountain Blvd and Bakersfield-California data are hourly averages and wind speeds in knots have been converted to mph.

Table 3-3: Bakersfield Hourly PM10 concentrations increased with wind speed

Hour (PST)	Bakersfield PM10 (µg/m^3)	Bakersfield Meadows Airport			Bakersfield-Meadows Airport Weather Observation
		Wind Speed (mph)	Wind Gust (mph)	Wind Direction	
		at 10 meters AGL			
0	23	8		N	Clear
1	31	8		NNE	Clear
2	28	3		N	Clear
3	29	Calm			Clear
4	33	Calm			Clear
5	40	5		SE	Clear
6	36	Calm			Clear
7	38	6		ESE	Clear
8	39	6		SE	Clear
9	67	8		S	Clear
10	242	14	23	S	Haze
11	765	24	39	SSE	Haze
12	1000	32	39	SSE	Haze
13	925	31	46	SSE	Haze
14	654	35	43	SSE	Haze
15	482	29	43	SSE	Haze
16	418	28	41	SSE	Haze
17	430	26	36	SSE	Haze
18	372	18	24	SSE	Haze
19	24	26	32	WNW	Light Rain
20	12	16	24	NNW	Light Rain
21	11	12	18	N	Rain
22	9	8		SE	Rain
23	4	17	23	E	Rain
24 Hour Average	**238**				

Table 3-4: 24-hour average PM10 concentrations, μg/m^3
(All real-time PM10 concentrations are collected under local conditions)

Monitoring site	Apr. 8	Apr. 9	Apr. 10	Apr. 11	Apr. 12	Apr. 13	Apr. 14
Stockton – Wagner Holt	14						15
Stockton – Hazelton	20						15
Tracy	18	18	21	18	6	11	15
Modesto – 14th							14
Turlock	20						16
Merced – M Street	17						14
Clovis – Villa	21						12
Fresno – First Street	15						11
Fresno – Drummond	43						16
Hanford	20						17
Santa Rosa Rancheria	19						16
Corcoran	24	27	34	59	11		
Corcoran (Filter Based) [1]	26					12	18
Visalia – Church	25						19
Oildale	37						22
Bakersfield – California	37	40	41	238	16	14	32
Bakersfield – California (Filter Based)[1]	32*						29

[1] Primary analyzers take precedence over secondary analyzers when multiple data are available.
*Collocated Sampler

3.3: The high winds caused the exceedance

Section 3.1 showed that there was a natural event of high winds on April 11, 2010. Section 3.2 showed that high PM10 concentrations were elevated at the time of the high wind event. The analysis below shows that the high winds caused the PM10 exceedance.

3.3.1: Wind and PM10 data, hour-by-hour

The hourly PM10 concentrations and wind data recorded on April 11 indicates that Bakersfield was initially impacted by upwind geologic material transported by high winds occurring in the south and southeastern portion of the San Joaquin Valley before the peak winds arrived in Bakersfield. Bakersfield was later impacted by material that was entrained by strong local winds (see Table 3-2 and Figure 2). As presented in Section 3.3.2, the NAM model forward trajectory analysis shows that early morning winds south and southeast of Bakersfield were sufficient to entrain and transport PM to Bakersfield by the time of the exceedance.

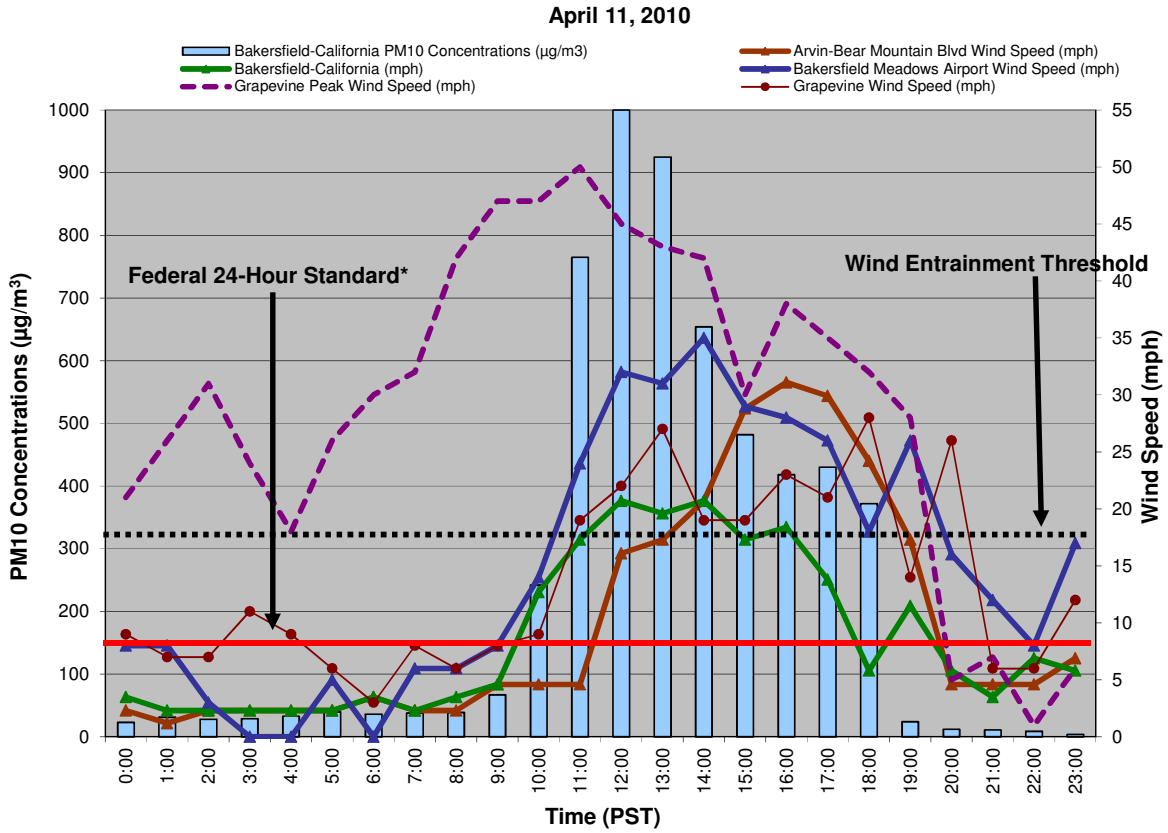
Southerly winds at Grapevine Peak (elevation 4,647 feet), located 33 miles south-southeast of Bakersfield in the Tehachapi Mountains, strengthened early on April 11.

Grapevine Peak was chosen as an indicator of wind flow (down slope) entering into the southern San Joaquin Valley Air Basin. Around 11:00 AM PST, strong southerly winds developed at Grapevine (a site located at the base of the Tehachapi Mountains) and entrained and transported PM10 north-northwestward. PM10 concentrations at the Bakersfield California air monitoring site became elevated by blowing dust around one hour before winds began increasing at the site. By midday, south-southeasterly winds strengthened to 21 mph (see Tables 3-2 and 3-3 and Appendix F). PM10 hourly levels began exceeding the 24 hour NAAQS on April 11 during hour 10 and remained elevated until hour 18 (see Figure 2, Table 3-2 and Appendix F).

Observations at Bakersfield Meadows Airport located north-northwest of the Bakersfield air monitoring site (downwind) indicated eight hours of sustained winds greater than 17.9 mph and eight hours with gusts 25 mph or greater. The highest recorded gust was 46 mph which occurred at 12:12 PM PST and 12:54 PM PST. A reduction in visibilities (Haze) was reported at the Bakersfield Meadows Airport from 10:54 AM PST until 5:54 PM PST (see Table 3-3 and Appendix F).

This analysis shows that the April 11, 2010 high wind event resulted in blowing dust across the southern San Joaquin Valley. Initially, the strong winds from the south-southeast over the valley portion of Kern County entrained and transported dust to the Bakersfield-California monitor. Between 11:00 AM PST and 4:00 PM PST, wind speeds at the monitoring site were sufficient enough to entrain and cause elevated PM10 levels. The cold front arrived in Bakersfield around 7:00 PM PST, bringing precipitation and better mixing to the area. Shortly thereafter, PM10 levels dropped significantly upon frontal passage.

Figure 2: Hourly Wind Speeds at Arvin, Grapevine, Bakersfield-California, Bakersfield-Meadows Airport, and Grapevine Peak, and PM10 Concentrations at Bakersfield-California



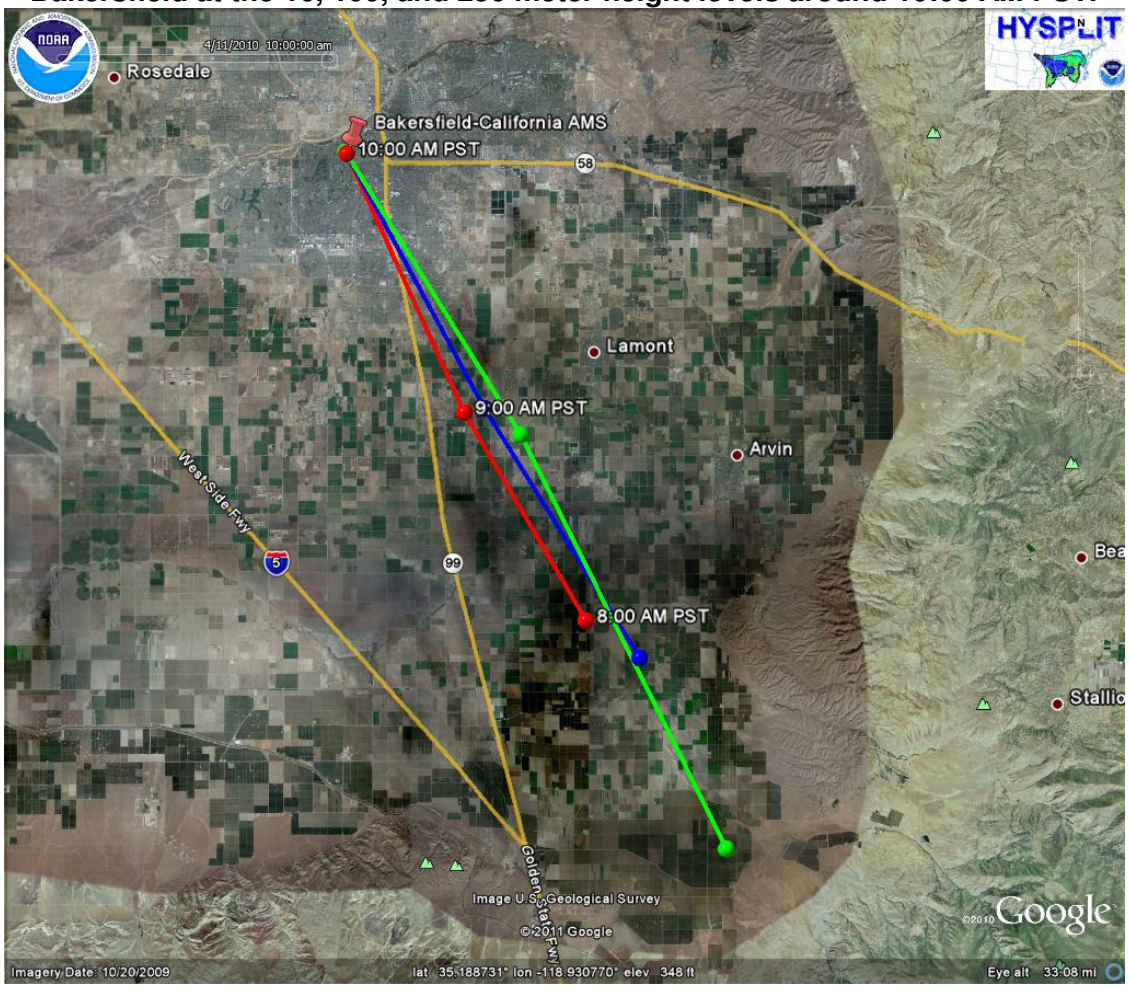
*Federal 24-Hour National Ambient Air Quality Standard (NAAQS) for PM10 is defined as a 24-hour average of 155 µg/m^3.

3.3.2: Source - Receptor Analysis: Backward Trajectory

The District ran the National Oceanic and Atmospheric Administration (NOAA) Hybrid Single-Particle Lagrangian Integrated Trajectory (HYSPLIT) model for the natural event to identify air parcel source regions that contributed to peak particulate concentrations in Bakersfield. HYSPLIT can compute air parcel trajectories and dispersion based on meteorological observation data files from the National Weather Service's National Centers for Environmental Prediction (NCEP). The model and full documentation are available at www.arl.noaa.gov/ready/hysplit4.html.

The modeling and observations show that the winds originated south-southeast of Bakersfield. The model trajectory analysis takes the air parcel north-northwestward toward the Bakersfield area, leading to the blowing dust observations throughout the city and the elevated PM10 reported at the Bakersfield-California air monitoring site. Winds were from the south-southeast during the blowing dust event, as the following figures show.

Figure 3: Backward trajectory on April 11, 2010 showing location of air mass arriving in Bakersfield at the 10, 100, and 250 meter height levels around 10:00 AM PST.



The District used the HYSPLIT model to simulate the flow field for air parcels that arrived in Bakersfield at times when the concentrations first began to increase, the peak concentrations of the day, and when concentrations began to decrease, which happened around the times of 10:00 AM PST, 12:00 PM PST, and 6:00 PM PST, respectively. Figure 4, 5, and 6 show the flow field for air parcels at select hours during the course of the event.

The area south-southeast of Bakersfield was the main source region for air arriving in the city during the high PM10 measurements recorded between 10:00 AM and 6:00 PM PST on April 11, 2010 (see Figures 4 through 6; dots on the images indicate air parcel movement, not particulate concentration).

Figure 4: Location of air mass at 10:00 AM PST arriving in Bakersfield between 10:00 AM PST and 11:00 AM PST when concentrations began to increase
(NOAA Air Resources Laboratory Plot)

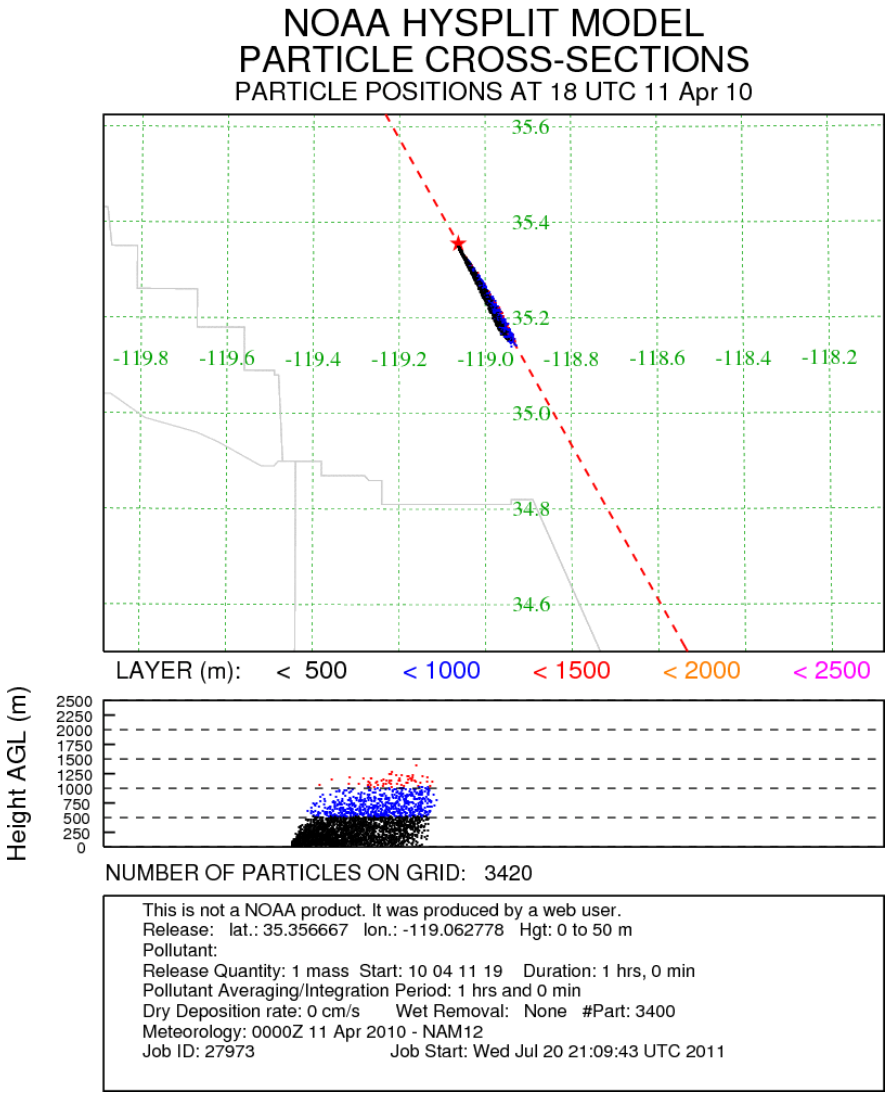


Figure 5: Location of air mass at 12:00 PM PST arriving in Bakersfield between 12:00 PM PST and 1:00 PM PST when concentrations were at their maximum
(NOAA Air Resources Laboratory Plot)

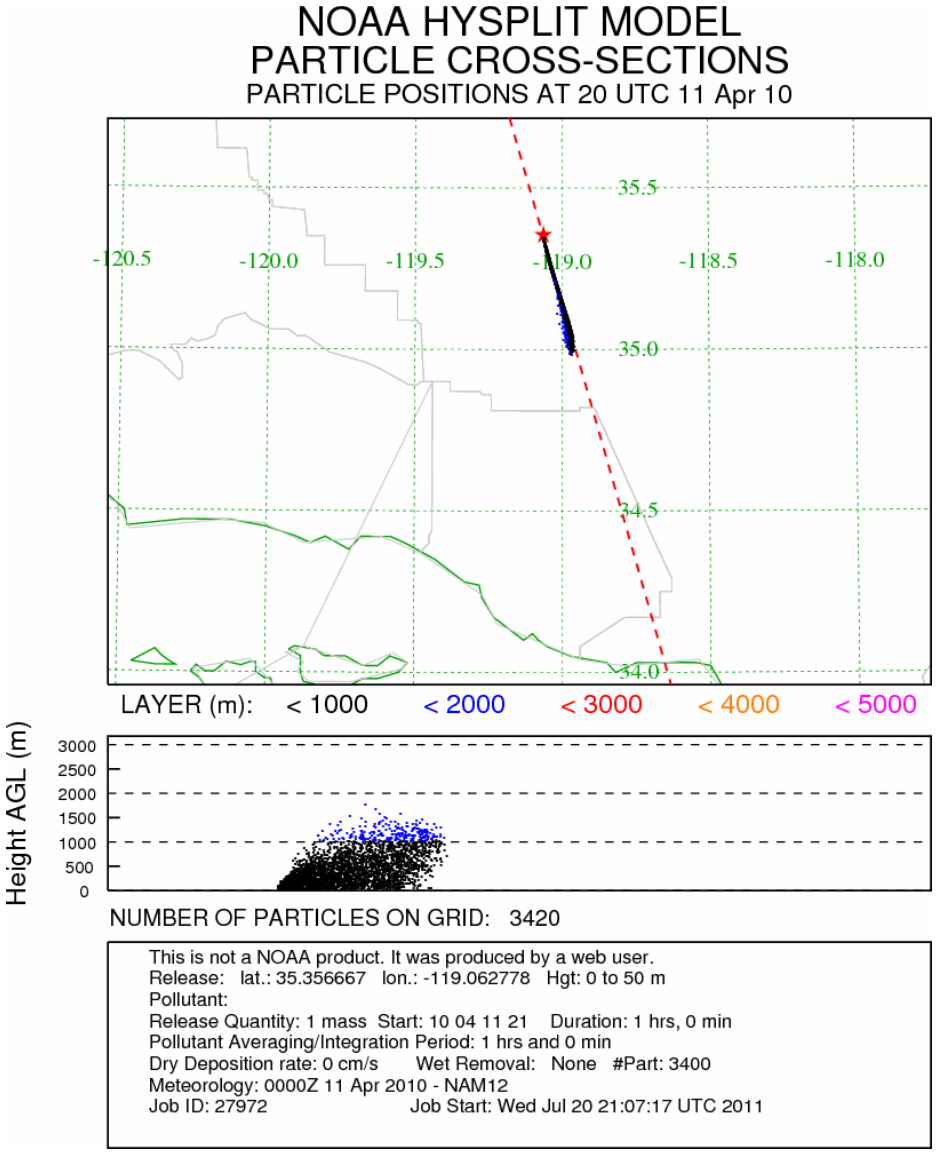
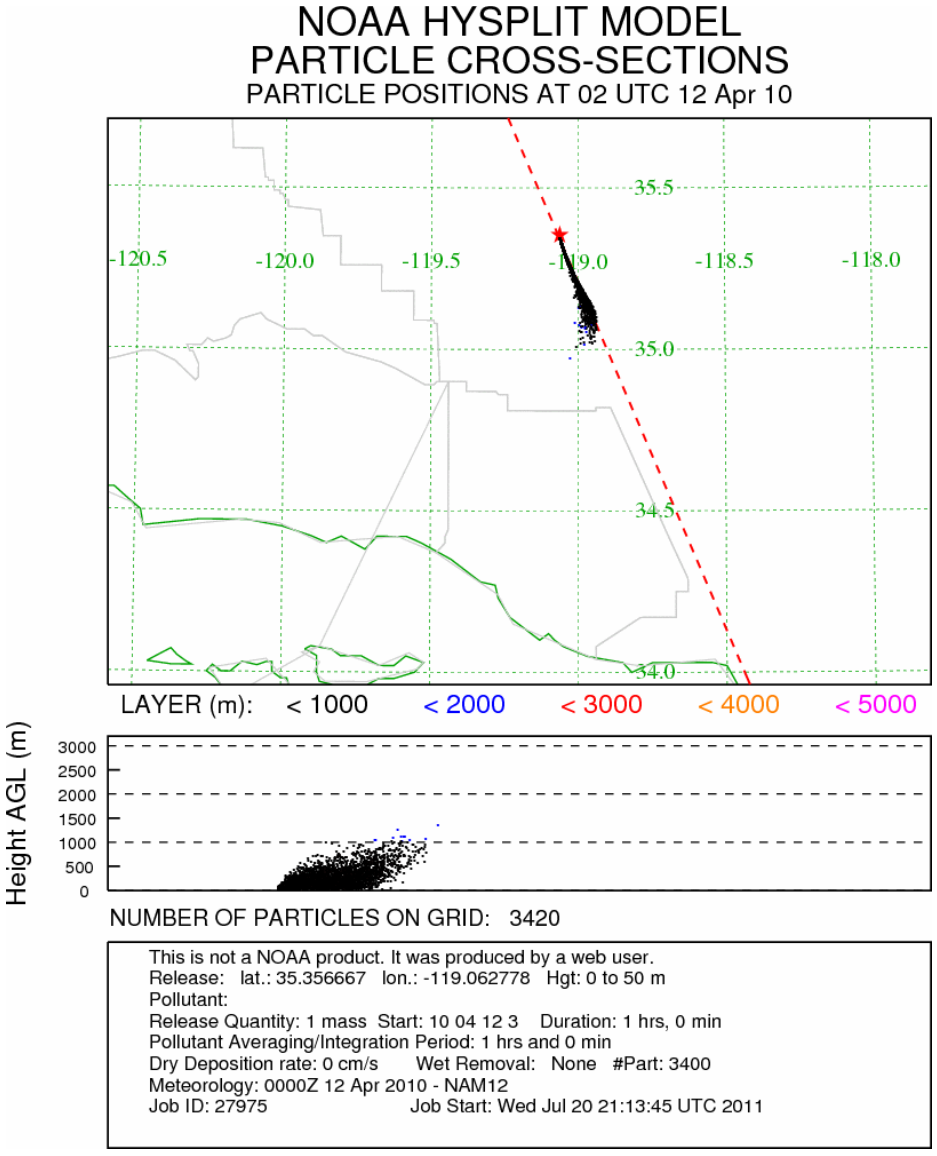


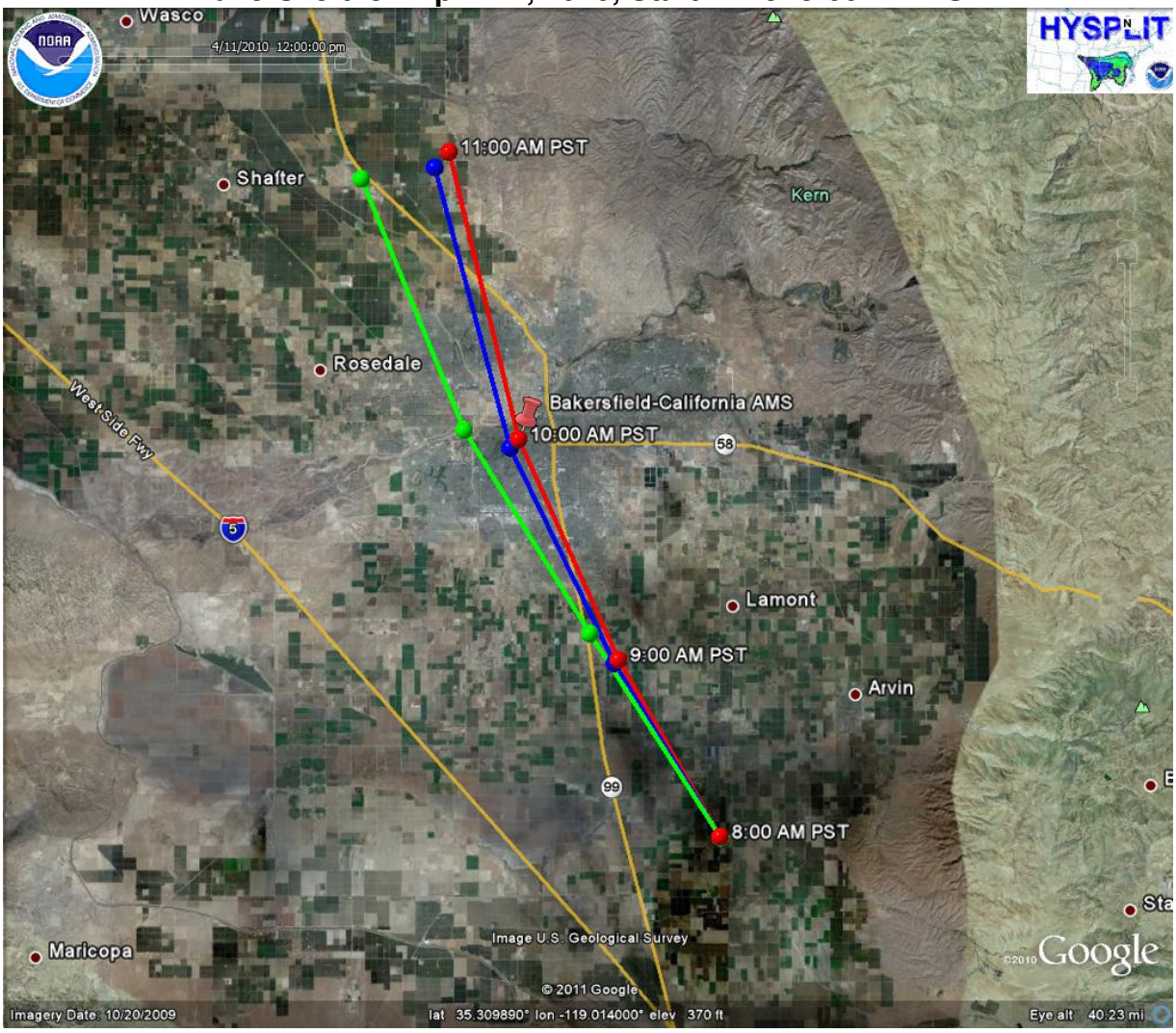
Figure 6: Location of air mass at 6:00 PM PST arriving in Bakersfield between 6:00 PM PST and 7:00 PM PST when concentrations began to decrease
(NOAA Air Resources Laboratory Plot)



3.3.3: Source – Receptor Analysis: Forward Trajectory

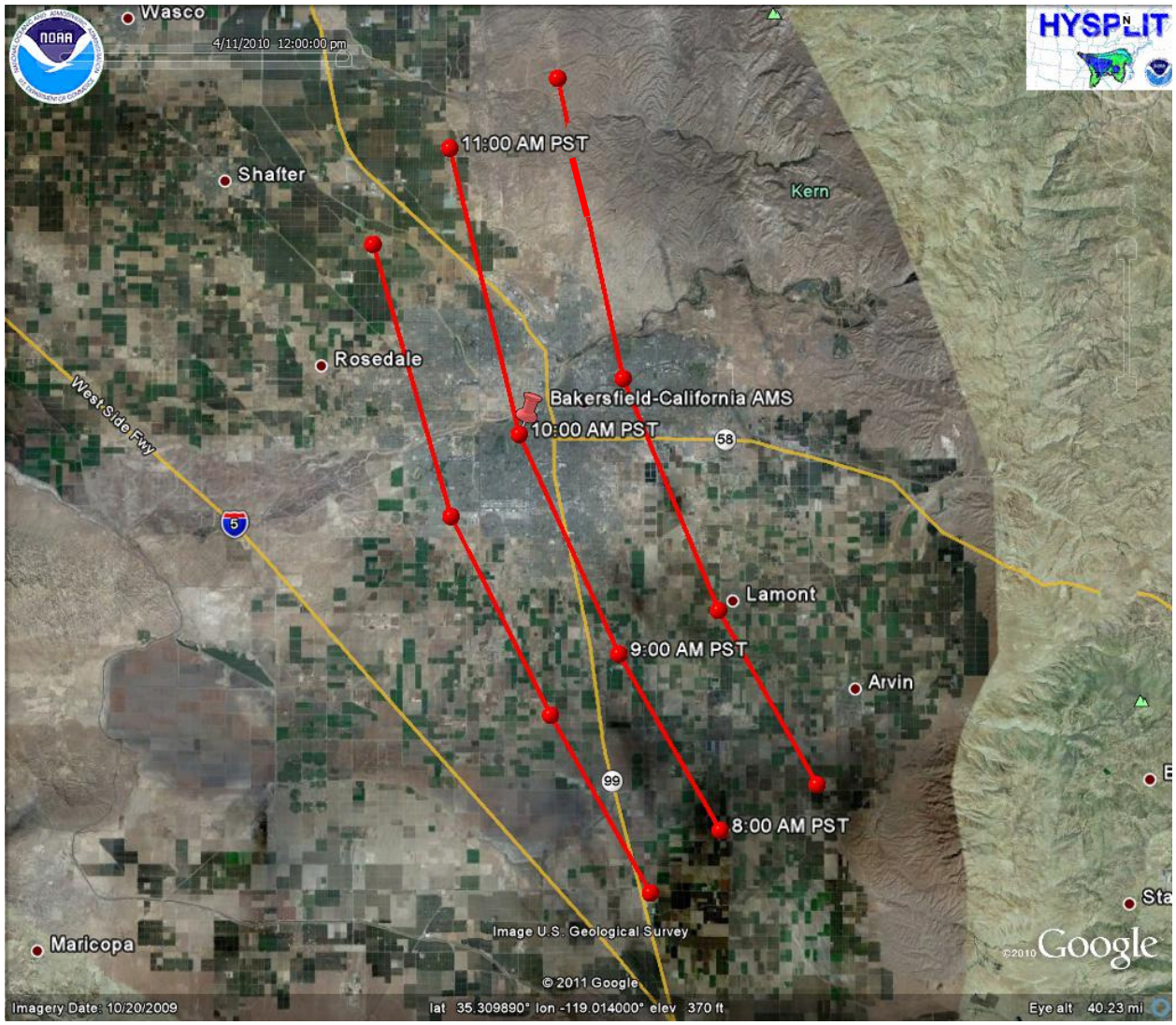
The District also analyzes this exceptional event using forward trajectory analysis. For the April 11, 2010 event, figure 7 and 8 are forward trajectories showing that high winds carried dust from the source area through the receptor (impacted) location of the city of Bakersfield.

Figure 7: Forward Trajectories at 10, 100 and 250 meters starting southeast of Bakersfield on April 11, 2010, Start Time: 8:00 AM PST



Forward trajectories starting southeast of Bakersfield at 8:00 AM PST on April 11, 2010. Runtime is 3 hours. Trajectory heights are at 10 meters in red, 100 meters in blue, and 250 meters in green. These trajectories show the air parcel from southeast of the Bakersfield reaching the monitor within 2 hours (10:00 AM PST) at the 10, 100 and 250 meter height levels.

Figure 8: Forward Trajectories at 10 meters starting from southeast of Bakersfield on April 11, 2010 Start Time: 8:00 AM PST



Forward trajectories starting at 8:00 AM PST on April 11, 2010 from the south-southeast of Bakersfield. Runtime is 3 hours. Trajectory heights are at 10 meters. These trajectories show the air parcel from the south-southeast of Bakersfield reaching the monitor within 2 hours (10:00 PM PST) at the 10 meter height level.

3.3.4: April 11, 2010 Exceptional Event Media and Compliance Coverage

Television and newspaper coverage and District Compliance inspector reports confirmed the presence of high winds and blowing dust on April 11, 2010. Photograph and video documentation, and eyewitness accounts of the impacted areas (see Appendices D and E) verified that high winds caused blowing dust on April 11, 2010.

Section 4: PM10 concentrations on April 11, 2010 were in excess of normal, historical fluctuations and the "but for" test

This section satisfies the following federal requirements:

- Provide evidence that the event is associated with a measured concentration in excess of normal, historical fluctuations (*40 CFR 50.14(c)(3)(iv)(C)),*
- The exceedance would not have occurred but for the event (*40 CFR 50.14(c)(3)(iv)(D))*

PM10 concentrations on April 11, 2010 were exceptionally high at the Bakersfield-California site, as summarized in Table 4-1 and Figure 9 and 10. The PM10 measurement on April 11 was the 2nd highest measurement ever recorded at the site since monitoring began in 1994. The measured PM10 concentration on April 11 at Bakersfield-California was greater than the 99th Percentile value. All real-time PM10 measurements presented in this document were collected under local conditions.

Table 4-1: Historical Ranking of PM10 Concentrations at the Bakersfield - California Site since 1994

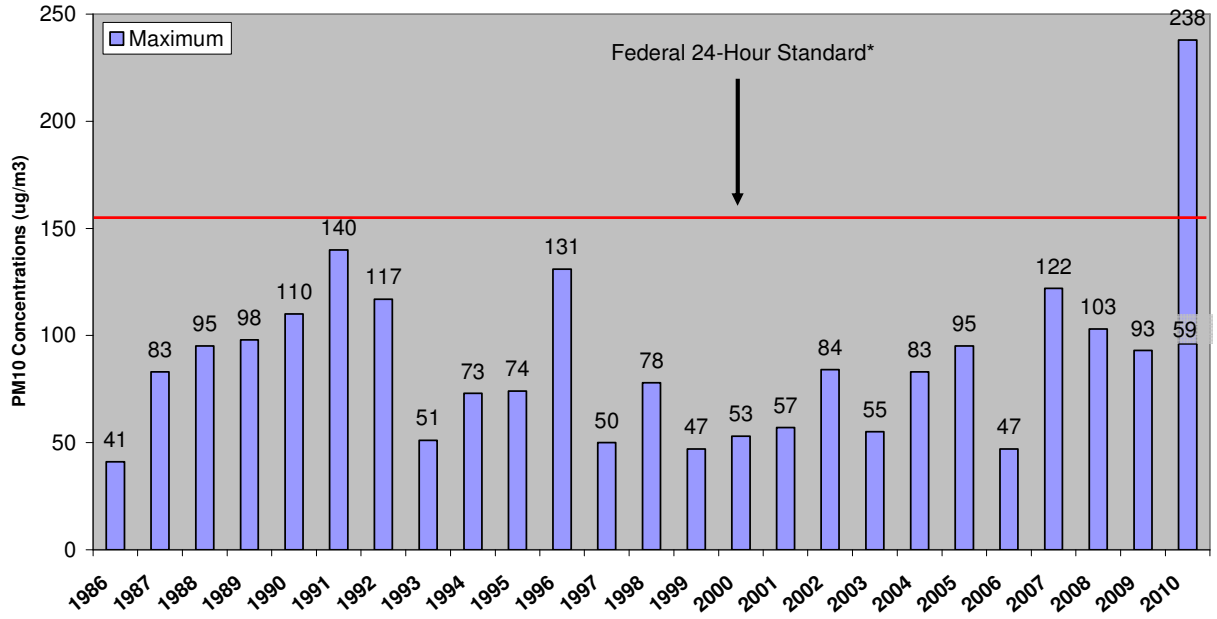
Date	Concentration (ug/m^3)	Historical Ranking
10/9/2008	256	1st
4/11/2010	238	2nd
1/4/2001	190	3rd
1/1/2001	186	4th
1/7/2001	159	5th

Historically, 24-hour PM10 monitor concentrations are low in the month of April. A PM10 exceedance in April has not occurred since monitoring began in 1986 (see Table 4-2 and Figure 9 and 10). It is clear that the PM10 level on April 11, 2010 was outside of historical maximums at the Bakersfield-California site.

Table 4-2: Maximum PM10 Concentrations in the Month of April by year since 1986

Date	Max PM10 Value (µg/m^3)	Location
4/26/1986	41	Merced - 18th
4/21/1987	83	Stockton - Hazelton
4/9/1988	95	Fresno - Olive
4/10/1989	98	Fresno - Olive
4/29/1990	110	Kettleman City – Cal Trans
4/30/1991	140	Fresno - Drummond
4/18/1992	117	Kettleman City – Cal Trans
4/28/1993	51	Hanford #1
4/2/1994	73	Kettleman City – Cal Trans
4/9/1995	74	Kettleman City – Cal Trans
4/27/1996	131	Kettleman City – Cal Trans
4/16/1997	50	Bakersfield - Golden
4/29/1998	78	Corcoran
4/30/1999	47	Hanford
4/6/2000	53	Bakersfield - Golden
4/15/2001	57	Bakersfield - Golden
4/14/2002	84	Hanford
4/27/2003	55	Corcoran
4/27/2004	83	Bakersfield - California
4/22/2005	95	Bakersfield - Golden
4/29/2006	47	Visalia
4/12/2007	122	Santa Rosa Rancheria
4/14/2008	103	Bakersfield - Golden
4/7/2009	93	Bakersfield - Golden
4/11/2010	238	Bakersfield - California

Figure 9: April Historical Maximum 24-Hour PM10 Concentration since 1986



*Federal 24-Hour National Ambient Air Quality Standard (NAAQS) for PM10 is defined as a 24-hour average of 155 µg/m^3.

Note: The "true maximum" PM10 non-exceptional event data point for 2010 is shown: 59 µg/m^3 .

The District developed box-whisker plots to further analyze April PM10 data through 2010 for active sites in the San Joaquin Valley to determine if the concentrations on April 11, 2010 were in excess of normal historical fluctuations (see Figure 10). The start date of monitoring at each site is summarized in Table 4-3.

Table 4-3: PM10 Monitor Site Location and First Available April Data Point

PM 10 Monitor Site Location	First Available April Data Point
Bakersfield - CA	4/14/1994
Bakersfield – Golden State Hwy	4/3/1995
Clovis	4/6/1991
Corcoran*	4/3/1987
Fresno - Drummond	4/10/1990
Fresno - 1st	4/5/1990
Hanford	4/2/1994
Merced M St.	4/14/1999
Modesto - 14th St.	4/3/1996
Oildale	4/3/1987
Santa Rosa Rancheria	4/6/2007
Stockton - Hazelton	4/3/1987
Stockton - Wagner-Holt	4/4/1997
Turlock Minaret St.	4/3/1994
Visalia Church St.	4/3/1987

* Corcoran - Van Dorsten through 1997, then Corcoran - Patterson Avenue thereafter. Collocated April 1995 through 1997.

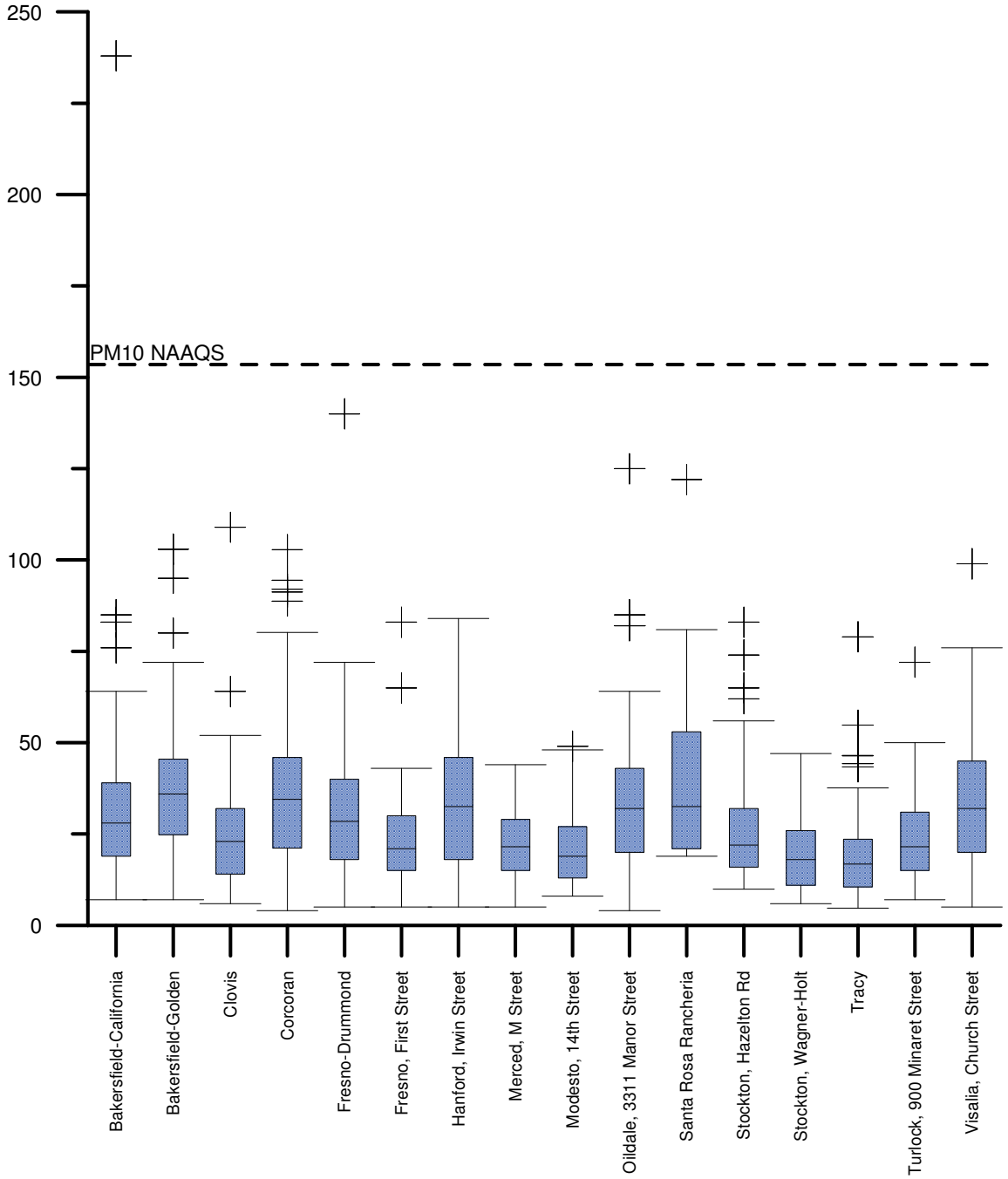
The District used these box-whisker plots to identify outliers. An outlier is defined as a point that falls above the upper quartile (top of the box). A quartile is one of the four divisions of observations which have been grouped into four equal-sized sets, based on their statistical rank. The following equation identifies where the outlier resides:

$$\text{Outlier} > QU + 1.5*IQR$$

Where, QU is the 75th Percentile value, and IQR is the difference between the 75^{th} and 25^{th} Percentile values.

For Bakersfield - California, the PM10 concentrations measured on April 11 was an outlier (see Figure 10). Thus, the April 11, 2010 exceedance was clearly in excess of normal historical fluctuations.

Figure 10: Box-Whisker Plot of PM10 (µg/m3) data by site for the month of April
(through April 11, 2010)



Note: NAAQS (National Ambient Air Quality Standard)

Federal 24-Hour National Ambient Air Quality Standard (NAAQS) for PM10 is defined as a 24-hour average of 155 µg/m^3.

As shown in Table 3-4, the lowest and highest real-time PM10 concentrations at Bakersfield - California during the week centered on the April 11th event were 14 µg/m^3 and 41 µg/m^3, respectively. The PM10 concentrations surrounding the event were below the PM10 National Ambient Air Quality Standard. According to Figure 10,

Bakersfield - California April data shows the 25th percentile value of 19 µg/m^3, the median (50th percentile value) of 28 µg/m^3, and the 75th percentile value of 38 µg/m^3. The District expects the PM10 concentrations on April 11 would have been between the 25th and 75th percentile values of 19 µg/m^3 and 38 µg/m^3, respectively. But for the high wind event, which contributed between 200 and 219 µg/m^3 of PM10 to the concentration measured at the monitoring site, there would have been no exceedance of the NAAQS.

Section 5: Conclusion

District analysis shows that:

- PM is heavily controlled in the San Joaquin Valley and these controls have decreased average PM10 levels in the Valley throughout the year (Section 2)
- A natural high wind event caused PM10 to increase and the PM10 concentration decreased the following day, after the event was over (Section 3)
- The PM10 concentration on April 11, 2010 was the highest concentration ever recorded for the month of April since monitoring began (Section 4)
- But for the high wind event, which contributed between 200 and 219 $\mu g/m^3$ of PM10 to the concentration measured at the monitoring site, there would have been no exceedance of the NAAQS (Section 4)

Since human activities that generated PM10 emissions were approximately constant before, during and after the April 11, 2010 high wind event, the District concludes that the exceedance would not have occurred "but for" the high wind event. The uncontrollable high winds overwhelmed the BACM for PM that have been put in place in the Valley. The cold front arrived in Bakersfield around 7:00 PM PST, bringing precipitation and better mixing to the area. Shortly thereafter, PM10 levels dropped significantly upon frontal passage.

In light of this conclusion, and with the demonstration (Section 1 and referenced sections) that the District has met all applicable requirements, the District requests EPA to approve the April 11, 2010 Bakersfield-California PM10 exceptional event documentation as having been caused by an exceptional event.

Section 6: References

Stull, Roland. *An Introduction to Boundary Layer Meteorology.* 1997

California Department of Water Resources document, *Wind in California,* (*Bulletin No. 185, January 1978*)

California Irrigation Management Information System (CIMIS) http://wwwcimis.water.ca.gov/cimis/data.jsp

Department of Earth and Atmospheric Sciences, University at Albany, State University of New York, http://www.atmos.albany.edu/weather/difax.html : Surface weather maps

Desert Research Institute (DRI), Western Regional Climate Center, http://www.wrcc.dri.edu , *Western Climate Summaries*

Environmental Protection Agency (EPA). *Guideline on the Identification and Use of Air Quality Data Affected by Exceptional Events*. July 1986.

Environmental Protection Agency (EPA). *Treatment of Data Influenced by Exceptional Events; Final Rule.* March 2007.

Environmental Protection Agency (EPA). *Memorandum: Areas Affected by PM10 Natural Events*. May 1996.

BAKERSFIELD.com (KBAK and KBFX Eyewitness News), Bakersfield: Online Coverage

KBAK Channel 29 (CBS), Bakersfield: Television news coverage

KERO Channel 23 (ABC), Bakersfield: Television news coverage

KFSN Channel 30 (ABC), Fresno: Television news coverage

KGPE Channel 47 (CBS), Fresno: Television news coverage

TurnTo23.com (ABC), Bakersfield: Online news coverage

Mesowest historical meteorological data, *Mesowest,* http://www.met.utah.edu/mesowest

National Oceanic and Atmospheric Administration (NOAA): ESRL/Physical Sciences Division, Profiler Data

National Oceanic and Atmospheric Administration (NOAA): Air Resources Laboratory HYSPLIT – Hybrid Single Particle Lagrangian Integrated Trajectory Model, http://ready.arl.noaa.gov/HYSPLIT.php

National Oceanic and Atmospheric Administration (NOAA): Weather data, http://www.weather.gov

Naval Postgraduate School, Department of Meteorology, Profiler Data, http://www.weather.nps.navy.mil/profiler/coastprof.html

T&B Systems, *Task 3.3 How Well Do Measurements Characterize Critical Meteorological Features, Subtask 3 Measurement of Gustiness,* August 24, 2004, http://www.arb.ca.gov/airways/crpaqs/DA/Final/TB33st3.pdf

APPENDICES
&
SUPPORTING DOCUMENTS

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APPENDIX A: Notification to ARB in regards to 2010 Exceptional Event Days

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

May 2, 2011

Theresa Najita
Air Pollution Specialist
California Air Resources Board
1001 "I" Street
PO Box 2815
Sacramento, CA 95812

Dear Mrs. Najita,

Please include the following information in your list to EPA of potential exceptional events that occurred in the San Joaquin Valley Air Basin during 2010.

Date(s)	Site(s)	AIRS #	Cause
4/11	Bakersfield California; including any collocated monitors	06-029-0014-81102	High winds
4/11	Bakersfield Planz	06-029-0016-88101	High winds
7/04	Bakersfield Planz	06-029-0016-88101	Fireworks
7/04	Bakersfield California	06-029-0014-88101	Fireworks
7/04	Fresno-1st	06-019-0008-88101	Fireworks
9/30	Corcoran	06-031-0004-88101	Wildland Fire Use
9/29	Madera City	06-039-2010-88101	Wildland Fire Use
9/25 -9/30	Madera City	06-039-2010-44201	Wildland Fire Use
9/25 -9/30	Clovis	06-019-5001-44201	Wildland Fire Use
9/25 -9/30	Fresno Sierra Sky Park	06-019-0242-44201	Wildland Fire Use
9/25 -9/30	Hanford	06-031-1004-44201	Wildland Fire Use
9/25 -9/30	Madera Pump	06-039-0004-44201	Wildland Fire Use
9/25 -9/30	Parlier	06-019-4001-44201	Wildland Fire Use
9/29	Tranquillity	06-019-2009-44201	Wildland Fire Use
9/28 -9/30	Merced Coffee	06-047-0003-44201	Wildland Fire Use
9/25 -9/30	Fresno-1st	06-019-0008-44201	Wildland Fire Use

The District also respectfully requests ARB to flag the September 25 through 30, 2010 Wildland Fire Use event that occurred at the Fresno-1st Ozone monitoring site.

If you have any questions about this request, please contact Stephen Shaw, Supervising Air Quality Specialist via phone at 559-230-5824 or via email at stephen.shaw@valleyair.org.

Thank you,

Samir Sheikh
Director, Strategies and Incentives

cc: Karen Magliano (ARB), Sylvia Zulawnick (ARB)

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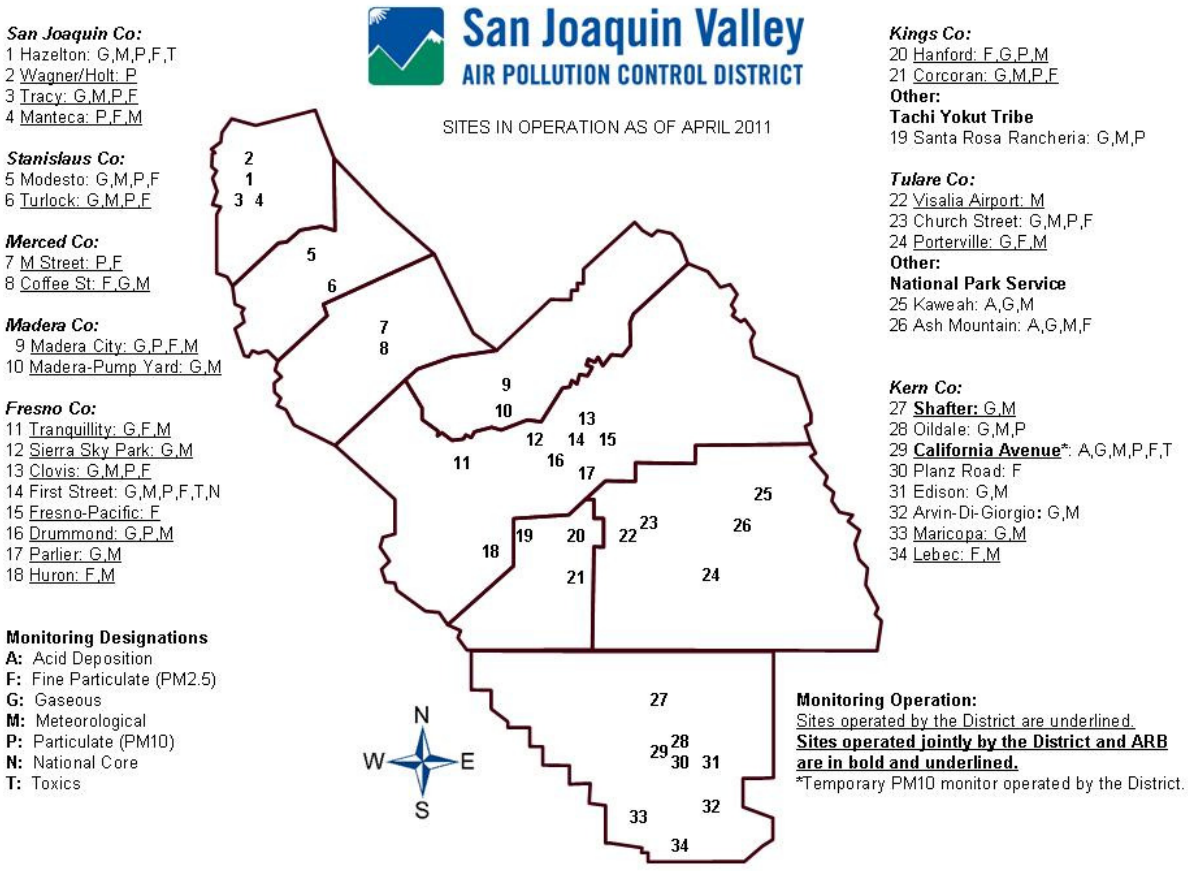
APPENDIX B: SJV Air Monitoring Network Map



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APPENDIX C: Public Notification of the Exceptional Event

C.1 DISTRICT PRESS RELEASE ON APRIL 11, 2010 FOR THE EXCEPTIONAL EVENT.

News Release

For Immediate Release
4/11/2010

For: City and assignment editors

San Joaquin Valley AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING

North District Media Contact - Modesto
Anthony Presto (209) 557-6400

Central District Media Contact - Fresno
Jaime Holt (559) 230-5850

South District Media Contact - Bakersfield
Brenda Turner (661) 392-5500

Spanish language Media Contact
Claudia Encinas (559) 230-5851

After Hours Contact– (559) 284-6317

Air District issues health caution
Blowing Dust prompts warning

Gusty winds in the San Joaquin Valley have prompted local air-pollution officials to issue a health cautionary statement from Sunday afternoon through this evening.

Winds in the Valley portion of Kern, Tulare, and Kings Counties may produce areas of localized blowing dust. Blowing dust can result in unhealthy concentrations of particulate matter 10 microns and smaller, or PM10.

Take precautions to protect your health if you are in an area of blowing dust," said Samir Sheikh, Planning Director for the Air District.

Exposure to particulate pollution can cause serious health problems, aggravate lung disease, trigger asthma attacks and acute bronchitis, and increase risk of respiratory infections.

Residents in the Valley portion of Kern, Tulare, and Kings Counties are advised to use caution through this evening. People with heart or lung diseases should follow their doctors' advice for dealing with episodes of unhealthy air quality. Additionally, older adults and children should avoid prolonged exposure, strenuous activities or heavy exertion. Everyone else should reduce prolonged exposure, strenuous activities or heavy exertion.

For more information about the Valley Air District, call a regional office: in Fresno, 559-230-6000; in Bakersfield, 661-392-5500; and in Modesto, 209-557-6400.

# # #

The Valley Air District covers eight counties including San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare and the Valley air basin portions of Kern. Visit www.valleyair.org to learn more.

C.2 Air Quality Alert Message

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AIR QUALITY ALERT MESSAGE
SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT
RELAYED BY NATIONAL WEATHER SERVICE SAN JOAQUIN VALLEY CA
221 PM PDT SUN APR 11 2010

THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT HAS ISSUED
AN AIR QUALITY ALERT FOR KINGS, TULARE, AND THE VALLEY PORTION OF
KERN COUNTIES FROM 200 PM SUNDAY AFTERNOON UNTIL MIDNIGHT PDT
TONIGHT DUE TO BLOWING DUST CAUSED BY WINDY CONDITIONS.

EXPOSURE TO PARTICLE POLLUTION CAN CAUSE SERIOUS HEALTH
PROBLEMS...AGGRAVATE LUNG DISEASE...CAUSE ASTHMA ATTACKS AND
ACUTE BRONCHITIS AND INCREASE RISK OF RESPIRATORY INFECTIONS. IN
PEOPLE WITH HEART DISEASE...SHORT-TERM EXPOSURE TO PARTICLE
POLLUTION HAS BEEN LINKED TO HEART ATTACKS AND ARRHYTHMIAS...
ACCORDING TO THE U.S. ENVIRONMENTAL PROTECTION AGENCY. CHILDREN
AND ELDERLY PEOPLE ARE ALSO MORE SUSCEPTIBLE TO CONSEQUENCES OF
HIGH PARTICULATE LEVELS.

$$
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C.3 National Weather Service Wind Advisories

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URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE HANFORD CA
222 PM PDT SAT APR 10 2010

.STRONG PACIFIC STORM SYSTEM WILL PUSH A COLD FRONT THROUGH THE
REGION OVERNIGHT ON SUNDAY. STRONG SOUTHERLY WINDS AHEAD OF THE
COLD FRONT WILL BE CONFINED MAINLY TO THE WEST SIDE OF THE SAN
JOAQUIN VALLEY AND INCLUDING MERCED. DOWNSLOPING EFFECT WILL
CAUSE VERY STRONG SOUTHERLY WINDS THROUGH THE GRAPEVINE OVERNIGHT
ON SUNDAY.

CAZ089>091-110530-
/O.NEW.KHNX.WI.Y.0016.100411T1800Z-100412T0700Z/
WEST CENTRAL SAN JOAQUIN VALLEY-EAST CENTRAL SAN JOAQUIN VALLEY-
SOUTHWESTERN SAN JOAQUIN VALLEY-
222 PM PDT SAT APR 10 2010

...WIND ADVISORY IN EFFECT FROM 11 AM SUNDAY TO MIDNIGHT PDT
SUNDAY NIGHT...

THE NATIONAL WEATHER SERVICE IN HANFORD HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT FROM 11 AM SUNDAY TO MIDNIGHT PDT
SUNDAY NIGHT FOR THE CENTRAL AND SOUTHWESTERN SAN JOAQUIN VALLEY.

* WINDS: SOUTHWEST 20 TO 30 MPH WITH GUSTS TO 40 MPH.

* TIMING: WINDS WILL PICK UP THROUGH THE DAY ON SUNDAY WITH THE
  STRONGEST WINDS FROM 5 PM TO 10 PM SUNDAY NIGHT AS THE FRONT
  PASSES THROUGH.

* LOCATIONS INCLUDE: LEMOORE...AVENAL...MERCED...LOS BANOS...
```

COALINGA...MENDOTA

* IMPACTS: THE WIND WILL MAKE DRIVING DIFFICULT ALONG THE
  INTERSTATE 5 CORRIDOR ALONG THE WEST SIDE OF THE SAN JOAQUIN
  VALLEY.

$$

JDB

WEATHER.GOV/HANFORD

CAZ089>091-112130-
/O.CON.KHNX.WI.Y.0016.100411T1800Z-100412T0700Z/
WEST CENTRAL SAN JOAQUIN VALLEY-EAST CENTRAL SAN JOAQUIN VALLEY-
SOUTHWESTERN SAN JOAQUIN VALLEY-
618 AM PDT SUN APR 11 2010

...WIND ADVISORY REMAINS IN EFFECT FROM 11 AM THIS MORNING TO
MIDNIGHT PDT TONIGHT...

A WIND ADVISORY REMAINS IN EFFECT FROM 11 AM THIS MORNING TO
MIDNIGHT PDT TONIGHT FOR THE CENTRAL AND SOUTHWESTERN SAN JOAQUIN
VALLEY.

* WINDS: SOUTHWEST 20 TO 30 MPH WITH GUSTS TO 40 MPH.

* TIMING: WINDS WILL PICK UP THROUGH THE DAY WITH THE STRONGEST
  WINDS FROM 5 PM TO 10 PM TONIGHT AS THE FRONT PASSES THROUGH.

* LOCATIONS INCLUDE: LEMOORE...AVENAL...MERCED...LOS BANOS...
  COALINGA...MENDOTA

* IMPACTS: THE WIND WILL MAKE DRIVING DIFFICULT ALONG THE
  INTERSTATE 5 CORRIDOR ALONG THE WEST SIDE OF THE SAN JOAQUIN
  VALLEY.

$$

DUDLEY

WEATHER.GOV/HANFORD

CAZ089>091-120400-
/O.CON.KHNX.WI.Y.0016.000000T0000Z-100412T0700Z/
WEST CENTRAL SAN JOAQUIN VALLEY-EAST CENTRAL SAN JOAQUIN VALLEY-
SOUTHWESTERN SAN JOAQUIN VALLEY-
1239 PM PDT SUN APR 11 2010

...WIND ADVISORY REMAINS IN EFFECT UNTIL MIDNIGHT PDT TONIGHT...

A WIND ADVISORY REMAINS IN EFFECT UNTIL MIDNIGHT PDT TONIGHT FOR
THE CENTRAL AND SOUTHWESTERN SAN JOAQUIN VALLEY.

* WINDS: SOUTHWEST 20 TO 30 MPH WITH GUSTS TO 40 MPH.

```
* TIMING: WINDS WILL PICK UP THROUGH THE DAY WITH THE STRONGEST
  WINDS FROM 5 PM TO 10 PM TONIGHT AS THE FRONT PASSES THROUGH.

* LOCATIONS INCLUDE: LEMOORE...AVENAL...MERCED...LOS BANOS...
  COALINGA...MENDOTA

* IMPACTS: THE WIND WILL MAKE DRIVING DIFFICULT ALONG THE
  INTERSTATE 5 CORRIDOR ALONG THE WEST SIDE OF THE SAN JOAQUIN
  VALLEY.

$$

JDB

WEATHER.GOV/HANFORD

CAZ092-120430-
/O.EXA.KHNX.WI.Y.0016.000000T0000Z-100412T0700Z/
SOUTHEASTERN SAN JOAQUIN VALLEY-
126 PM PDT SUN APR 11 2010

...WIND ADVISORY IN EFFECT UNTIL MIDNIGHT PDT TONIGHT...

THE NATIONAL WEATHER SERVICE IN HANFORD HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT UNTIL MIDNIGHT PDT TONIGHT FOR THE
SOUTHEASTERN SAN JOAQUIN VALLEY.

* WINDS: SOUTHWEST 20 TO 30 MPH WITH GUSTS TO 45 MPH.

* TIMING: WINDS HAVE PICKED UP EARLY THIS AFTERNOON...WITH THE
  STRONGEST WINDS FROM 5 PM TO 10 PM TONIGHT AS THE FRONT PASSES
  THROUGH.

* LOCATIONS INCLUDE: BAKERSFIELD

* IMPACTS: THE WIND WILL MAKE DRIVING DIFFICULT ALONG THE
  INTERSTATE 5 CORRIDOR ALONG THE WEST SIDE OF THE SAN JOAQUIN
  VALLEY.

$$

CAZ089>092-120530-
/O.CON.KHNX.WI.Y.0016.000000T0000Z-100412T0700Z/
WEST CENTRAL SAN JOAQUIN VALLEY-EAST CENTRAL SAN JOAQUIN VALLEY-
SOUTHWESTERN SAN JOAQUIN VALLEY-SOUTHEASTERN SAN JOAQUIN VALLEY-
223 PM PDT SUN APR 11 2010

...WIND ADVISORY REMAINS IN EFFECT UNTIL MIDNIGHT PDT TONIGHT...

A WIND ADVISORY REMAINS IN EFFECT UNTIL MIDNIGHT PDT TONIGHT FOR
THE CENTRAL AND SOUTHERN SAN JOAQUIN VALLEY.

* WINDS: SOUTHWEST 20 TO 30 MPH WITH GUSTS TO 45 MPH.

* TIMING: WE CURRENTLY HAVE WIND ADVISORY CONDITIONS IN SEVERAL
  LOCATIONS AND WE EXPECT THE STRONGEST WINDS FROM 7 PM TO 1 AM
  TONIGHT AS THE FRONT PASSES THROUGH.
```

* LOCATIONS INCLUDE:
  BAKERSFIELD...LEMOORE...AVENAL...CORCORAN...MERCED...FRESNO...
  LOS BANOS...COALINGA.

* IMPACTS: THE WIND WILL MAKE DRIVING DIFFICULT ALONG THE
  INTERSTATE 5 CORRIDOR ALONG THE WEST SIDE OF THE SAN JOAQUIN
  VALLEY. BLOWING DUST AND REDUCED VISIBILITIES ARE ALSO POSSIBLE.

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE HANFORD CA
358 PM PDT SUN APR 11 2010

CAZ089>092-120700-
/O.CON.KHNX.WI.Y.0016.000000T0000Z-100412T0700Z/
WEST CENTRAL SAN JOAQUIN VALLEY-EAST CENTRAL SAN JOAQUIN VALLEY-
SOUTHWESTERN SAN JOAQUIN VALLEY-SOUTHEASTERN SAN JOAQUIN VALLEY-
358 PM PDT SUN APR 11 2010

...WIND ADVISORY REMAINS IN EFFECT UNTIL MIDNIGHT PDT TONIGHT...

A WIND ADVISORY REMAINS IN EFFECT UNTIL MIDNIGHT PDT TONIGHT FOR
THE CENTRAL AND SOUTHERN SAN JOAQUIN VALLEY.

* WINDS: SOUTHWEST 20 TO 30 MPH WITH GUSTS TO 45 MPH.

* TIMING: WIND ADVISORY CONDITIONS ARE OCCURRING IN MANY AREAS OF
  THE CENTRAL AND SOUTH VALLEY NOW. THE WIND WILL CONTINUE UNTIL
  LATE THIS EVENING WHEN THE FRONT PASSES THROUGH. AREAS OF
  BLOWING DUST WILL OCCUR PRIOR TO THE ARRIVAL OF RAIN.

* LOCATIONS INCLUDE: BAKERSFIELD...LEMOORE...AVENAL...VISALIA...
  CORCORAN...MERCED...MADERA...FRESNO...LOS BANOS...COALINGA.

* IMPACTS: THE WIND WILL MAKE DRIVING DIFFICULT AT
  TIME...ESPECIALLY HIGH PROFILE VEHICLES. IN ADDITION...AREAS OF
  DUST AND BLOWING DUST **WILL** REDUCE VISIBILITIES TO NEAR 1 MILE AT
  TIMES...ESPECIALLY ALONG EAST WEST HIGHWAYS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS WIND GUSTS OF 35 MPH OR GREATER ARE EXPECTED
OR OCCURRING.

$$

BINGHAM

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APPENDIX D: Media Coverage

D1. Newspaper Articles and Television News Coverage from April 11, 2010

Wind Flips Plane in Taft

Plane Took Off Only to Land Upside Down

TurnTo23.com
POSTED: 9:32 pm PDT April 11, 2010

TAFT, Calif. -- A gust of wind appears to be the cause behind a plane crash that happened in Taft on Sunday morning.

A single-engine Piper Super Cub flipped as it took off from the Taft Airport around 11 a.m. Sunday.

According to the Federal Aviation Administration, the pilot encountered a gust of wind and that led to the crash.

The plane came to as top upside down about 200 feet off the runway.

The pilot suffered minor injuries but refused medical treatment.

The pilot, who's name has not been released, was headed to bakersfield.
Damage to the plane was extensive.

Wind Prompts Blowing Dust Warning

Strong Winds Prompted a Blowing Dust Advisory Sunday

TurnTo23.com
POSTED: 10:06 pm PDT April 11, 2010
UPDATED: 10:34 pm PDT April 11, 2010

BAKERSFIELD, Calif. -- Windy weather ripped through Kern County downing trees and leaving many without power.

The strong winds kicked up Sunday morning and were replaced by rain by 8 p.m. in the downtown area.

The winds kicked up a lot of dust, as they often do, which led to the San Joaquin Valley Air Pollution Control District to issue a blowing dust warning Sunday afternoon.

The blowing dust can be unhealthy especially if you have respiratory problems.

The Air District is advised residents in Kern, Tulare and Kings Counties to use caution throughout Sunday evening until the winds died down and the dust stopped blowing.

The strong winds did leave hundreds of home owners without power.

According to PG&E, 1,200 customers were without power Sunday night at 9:30 p.m. in 33 separate outages in the Bakersfield area. There were also numerous isolated outages throughout Kern County, including in Wasco and Lamont.

Wild weather blows through Bakersfield

BAKERSFIELDnow.com
By Sabrina Rodriguez, Eyewitness News

Summary

Bakersfield was hit hard after a wind and dust storm blew through the city, knocking down trees, shutting off power, and closing down businesses.

Story Created: Apr 12, 2010 at 12:01 AM PDT
Story Updated: Apr 12, 2010 at 12:18 AM PDT

BAKERSFIELD, Calif. -- If you spent anytime out doors on Sunday, you saw just how bad the weather was. But that bad weather blew through all of Bakersfield.

Visibility was low, air quality - horrible, and the wind whipped and howled.

When those ingredients mix disaster strikes, and chainsaws are working overtime.

Sunday's wind and dust storm caused problems all over Bakersfield.

In the northwest, the dust made driving a little dangerous.

On Sunset Ave. a 70' tree fell across the road and onto a truck, which was a little dented but still drivable. Power was also knocked out.

On California Ave. drivers has an obstacle course after a large tree at the California Apartments came crashing down across two lanes of east bound traffic.

Resident Andrea Sebreros said she's never seen a wind storm this bad. Her solution will be to stay inside.

Hers wasn't the only apartment complex to get hit.

In northeast Bakersfield at the Auburn Heights Apartments, the high wind uprooted a tree which landed on top of an apartment building.

Resident Michael Acosta saw the tree begin to fall, ran inside to get his grandmother out, but when they got outside the tree had fallen away from their apartment. "It's crazy," he said, "I've never seen anything like this and the wind so strong. People could have been hurt or killed."

Instead of staying home, some people tried to wait out the storm at their favorite restaurant, but even they couldn't escape.

The Red Robin at Valley Plaza Mall had to be shut down after the wind caved in a wall, which let in lots of dust and debris.

"You could hear it, like the plastic blowing," said customer Norma Duran. "There was all this dust and fiberglass going around."

Fellow customer Amy Montee added, "It was very dusty and we were one of the last people to be seated and then they said they were closing it down because it was just too dangerous."

While Montee was lucky enough to get her food other customers were turned away disappointed.

To say the least, it was a busy day in Bakersfield.

"I've never seen it this bad before," said Acosta.

TV Coverage from KBAK-29 (CBS) -- Bakersfield

Video Coverage from KERO-23 (ABC) – Bakersfield

TV Coverage from KFSN-30 (ABC) – Fresno

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APPENDIX E: District Compliance Department Coverage

E1. District Compliance Video Image from April 11, 2010

Bakersfield Area

E2. Routine Inspections from April 11, 2010

Since the high wind event occurred on a Sunday, no inspections were conducted in the northern and southern region. For April 11, 2010 there were a total of 3 inspections in the central region.

Activity			
ActivityDate	Activity	ProjectType	EmpRegion
4/11/2010	Compliance Assistance	Outdoor Burning: Ag, Prescribed, Barrels	C
4/11/2010	Compliance Assistance	Outdoor Burning: Ag, Prescribed, Barrels	C
4/11/2010	Complaint Investigations	Outdoor Burning: Ag, Prescribed, Barrels	C

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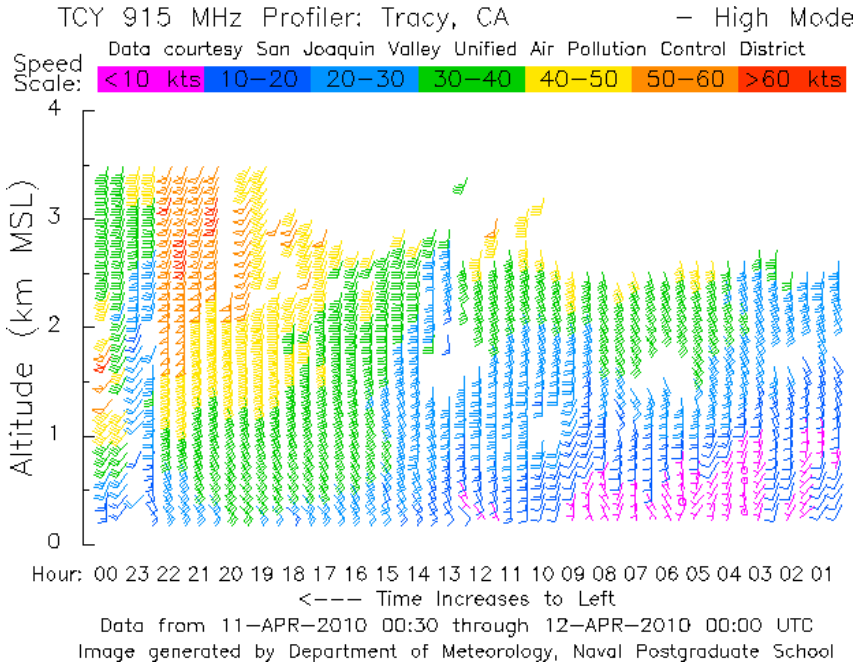
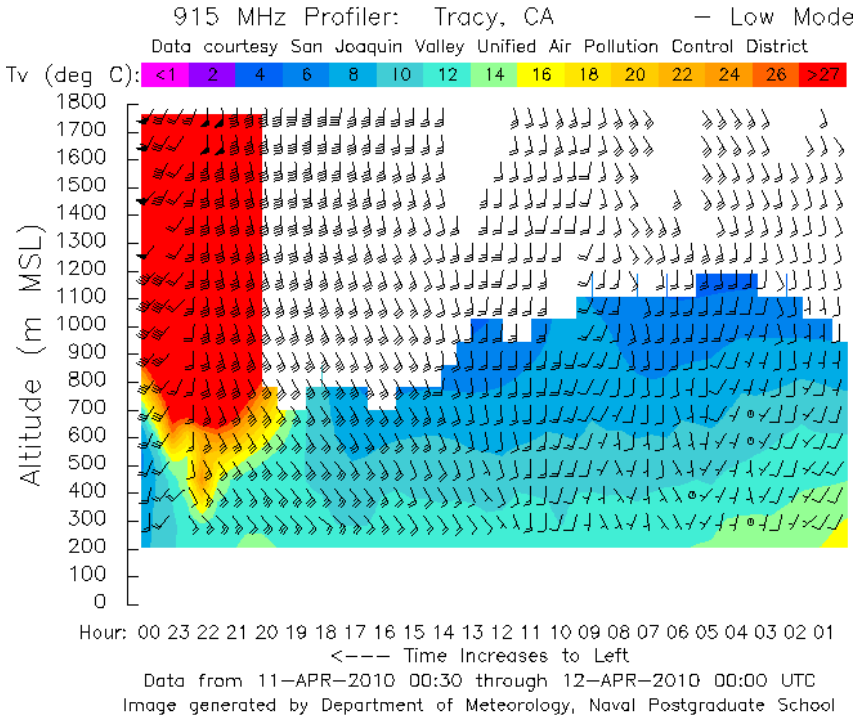
APPENDIX F: Weather Analysis

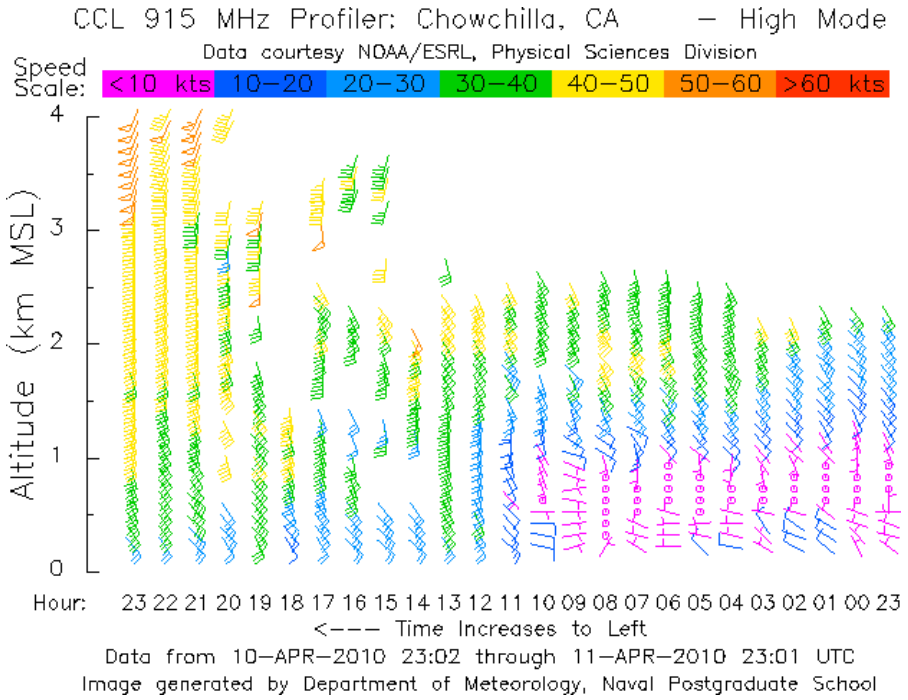
F1. Wind Profiles

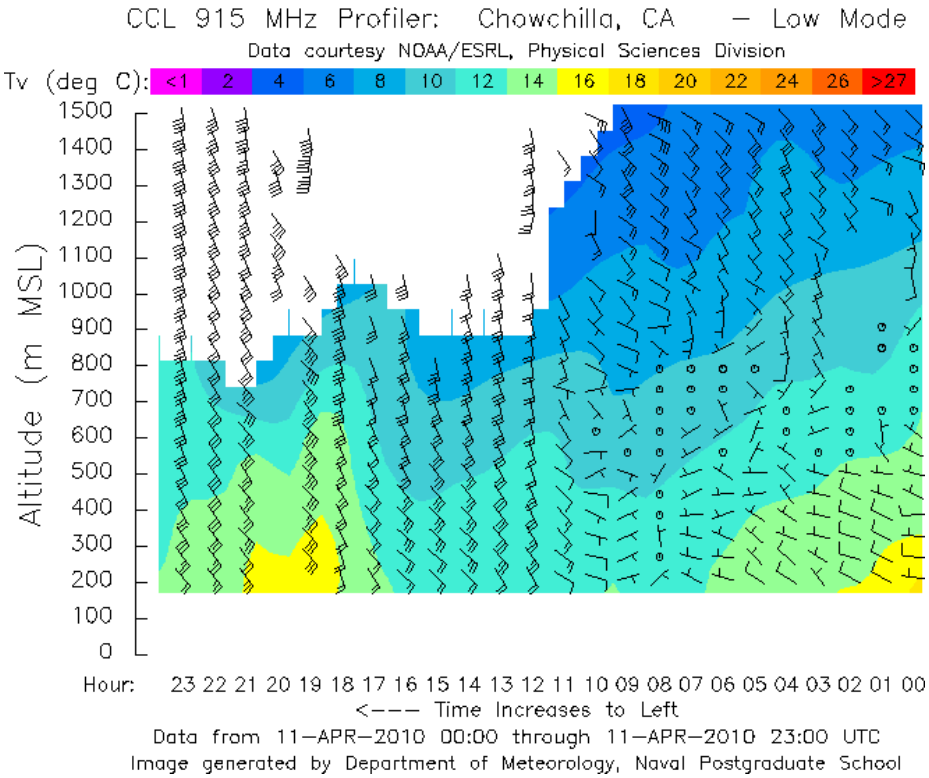
Time in UTC (Coordinated Universal Time, also abbreviated with "Z" or "GMT") is also called Greenwich Mean Time (Mean Solar Time at the Royal Observatory in Greenwich, England). Greenwich Mean Time is seven hours ahead of Pacific Daylight Time (PDT). For example, 12 UTC or 12 Z is 4 AM PST or 5 AM PDT. The lower air profilers were located in Tracy, Chowchilla, and Lost Hills.

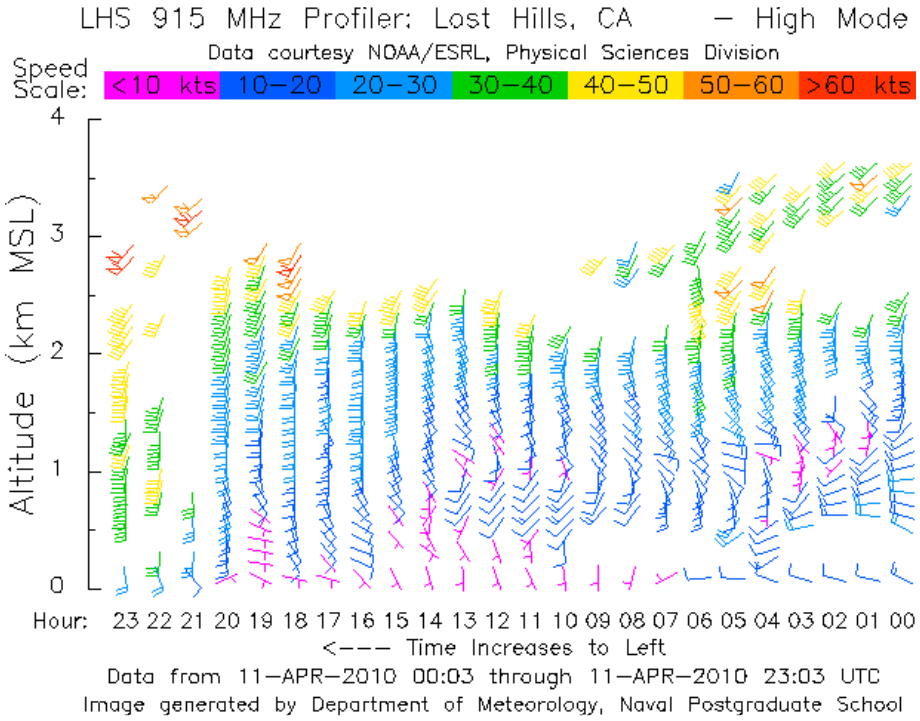
Wind barbs point in the direction "from" which the wind is blowing. A circle represents calm conditions. Flags (straight lines) attached at the end of the wind barbs indicate wind speed. Each short flag represents 5 knots, and each long flag represents 10 knots. A long flag and a short flag represent 15 knots, simply by adding the value of each flag together (10 knots + 5 knots = 15 knots). The color-coded speed scale is also provided on top of the plot. A triangular flag at the end of a wind barb represents a 50-knot wind. This wind barb is color-coded orange in the plot shown above.

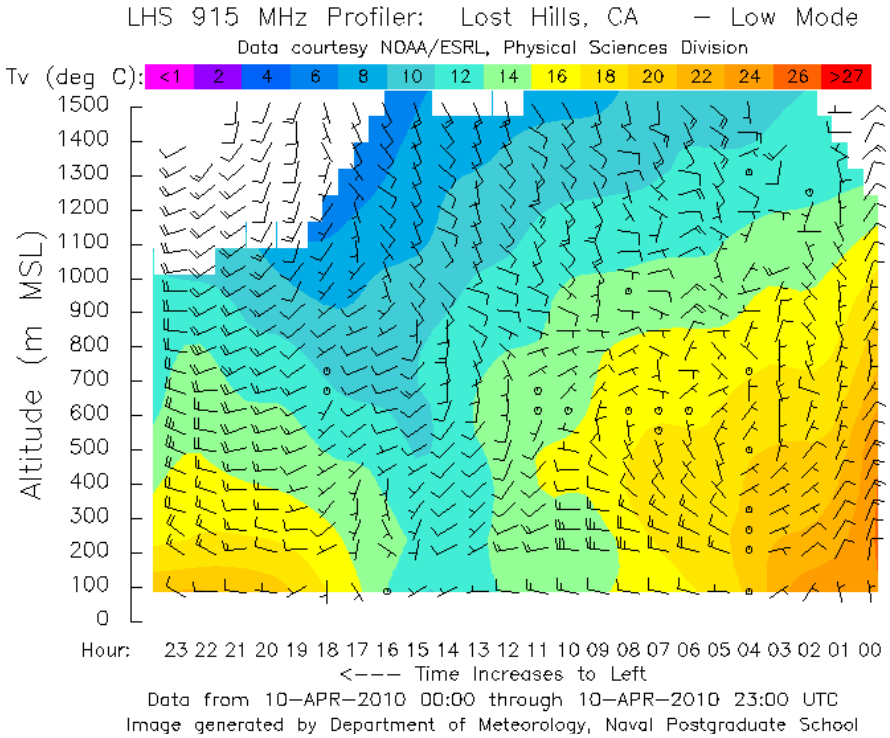

TCY 915 MHz Profiler: Tracy, CA – High Mode
Data courtesy San Joaquin Valley Unified Air Pollution Control District
Speed Scale:
<10 kts
10–20
20–30
30–40
40–50
50–60
>60 kts
Altitude (km MSL)
0
1
2
3
4
Hour: 00 23 22 21 20 19 18 17 16 15 14 13 12 11 10 09 08 07 06 05 04 03 02 01
<--- Time Increases to Left
Data from 11–APR–2010 00:30 through 12–APR–2010 00:00 UTC
Image generated by Department of Meteorology, Naval Postgraduate School


915 MHz Profiler: Tracy, CA – Low Mode
Data courtesy San Joaquin Valley Unified Air Pollution Control District
Tv (deg C):
<1
2
4
6
8
10
12
14
16
18
20
22
24
26
>27
Altitude (m MSL)
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
Hour: 00 23 22 21 20 19 18 17 16 15 14 13 12 11 10 09 08 07 06 05 04 03 02 01
<--- Time Increases to Left
Data from 11–APR–2010 00:30 through 12–APR–2010 00:00 UTC
Image generated by Department of Meteorology, Naval Postgraduate School


CCL 915 MHz Profiler: Chowchilla, CA – High Mode
Data courtesy NOAA/ESRL, Physical Sciences Division
Speed Scale:
<10 kts
10–20
20–30
30–40
40–50
50–60
>60 kts
Altitude (km MSL)
0
1
2
3
4
Hour: 23 22 21 20 19 18 17 16 15 14 13 12 11 10 09 08 07 06 05 04 03 02 01 00 23
<--- Time Increases to Left
Data from 10–APR–2010 23:02 through 11–APR–2010 23:01 UTC
Image generated by Department of Meteorology, Naval Postgraduate School


CCL 915 MHz Profiler: Chowchilla, CA – Low Mode
Data courtesy NOAA/ESRL, Physical Sciences Division
Tv (deg C):
<1
2
4
6
8
10
12
14
16
18
20
22
24
26
>27
Altitude (m MSL)
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
Hour: 23 22 21 20 19 18 17 16 15 14 13 12 11 10 09 08 07 06 05 04 03 02 01 00
<--- Time Increases to Left
Data from 11–APR–2010 00:00 through 11–APR–2010 23:00 UTC
Image generated by Department of Meteorology, Naval Postgraduate School


LHS 915 MHz Profiler: Lost Hills, CA – High Mode
Data courtesy NOAA/ESRL, Physical Sciences Division
Speed Scale: <10 kts 10–20 20–30 30–40 40–50 50–60 >60 kts
Altitude (km MSL)
0 1 2 3 4
Hour: 23 22 21 20 19 18 17 16 15 14 13 12 11 10 09 08 07 06 05 04 03 02 01 00
<--- Time Increases to Left
Data from 11–APR–2010 00:03 through 11–APR–2010 23:03 UTC
Image generated by Department of Meteorology, Naval Postgraduate School

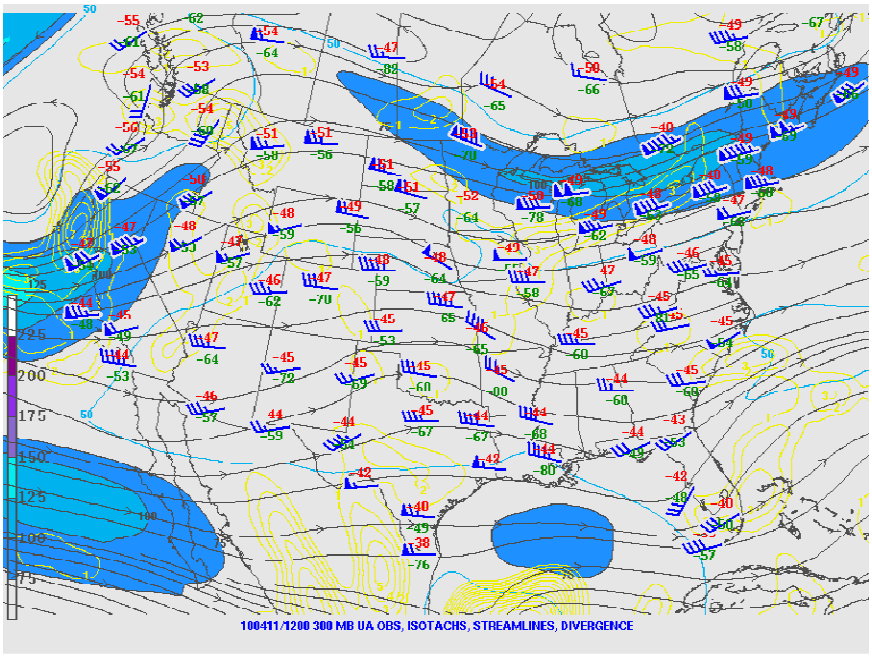

LHS 915 MHz Profiler: Lost Hills, CA – Low Mode
Data courtesy NOAA/ESRL, Physical Sciences Division
Tv (deg C): <1 2 4 6 8 10 12 14 16 18 20 22 24 26 >27
Altitude (m MSL)
0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500
Hour: 23 22 21 20 19 18 17 16 15 14 13 12 11 10 09 08 07 06 05 04 03 02 01 00
<--- Time Increases to Left
Data from 10–APR–2010 00:00 through 10–APR–2010 23:00 UTC
Image generated by Department of Meteorology, Naval Postgraduate School

F2. Weather Charts

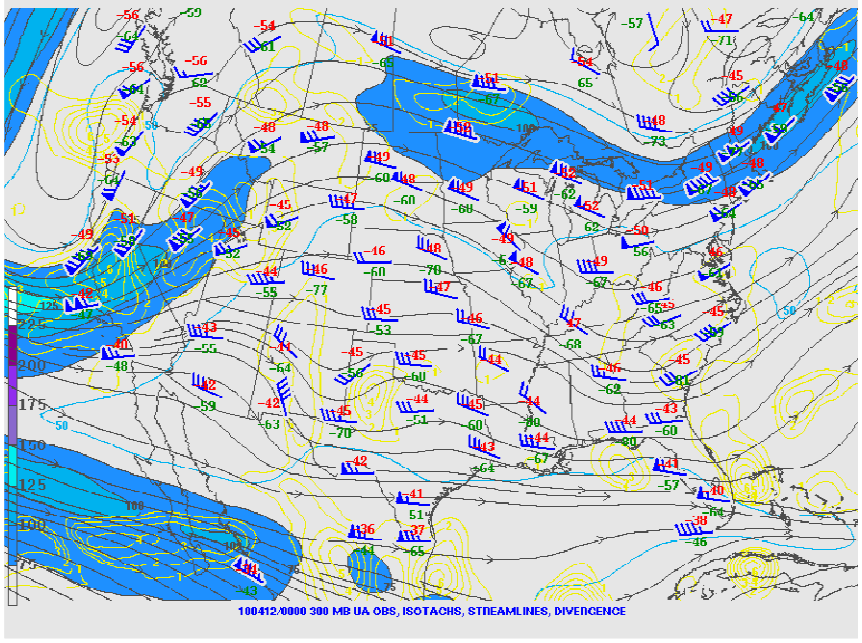
Upper-air analysis (approximately 30,000 feet above ground level) on April 11, 2010

The upper air analysis showed a moderately strong 75 to 125 MPH Jet-stream positioned over California through the day transferring stronger winds toward the surface.

4:00 am PST



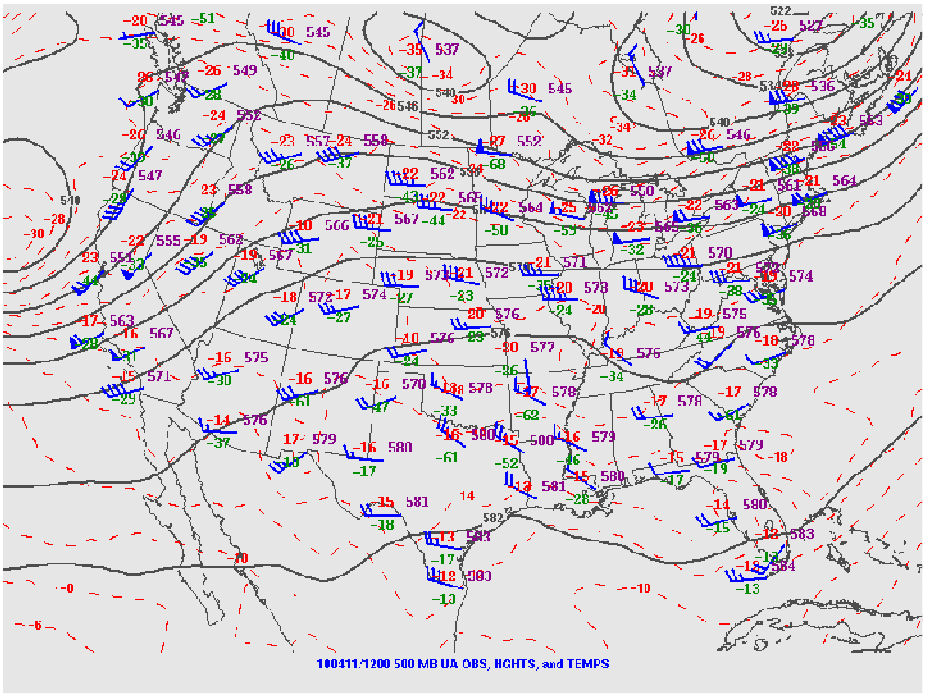
4:00 pm PST



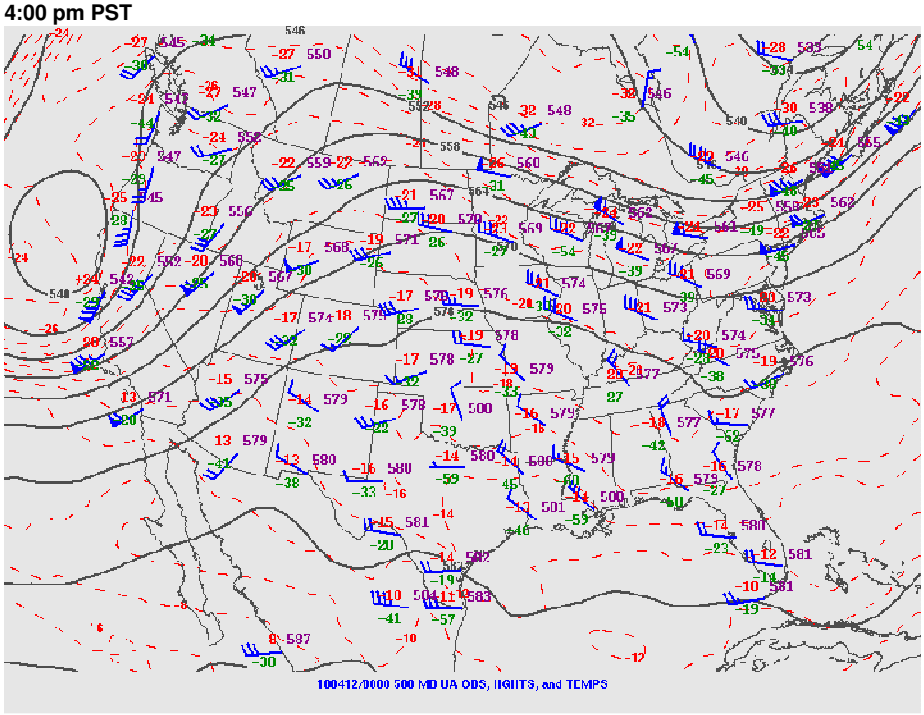
Upper-air analysis (approximately 18,000 feet above ground level) on April 11, 2010

The upper air analysis showed a strong trough approaching the northwestern U.S.

4:00 am PST



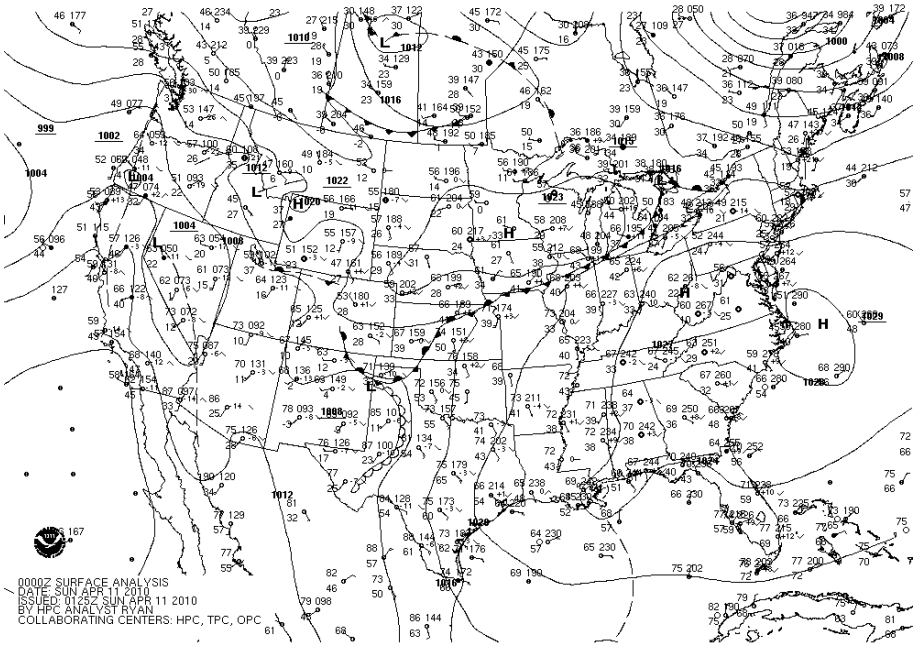
4:00 pm PST



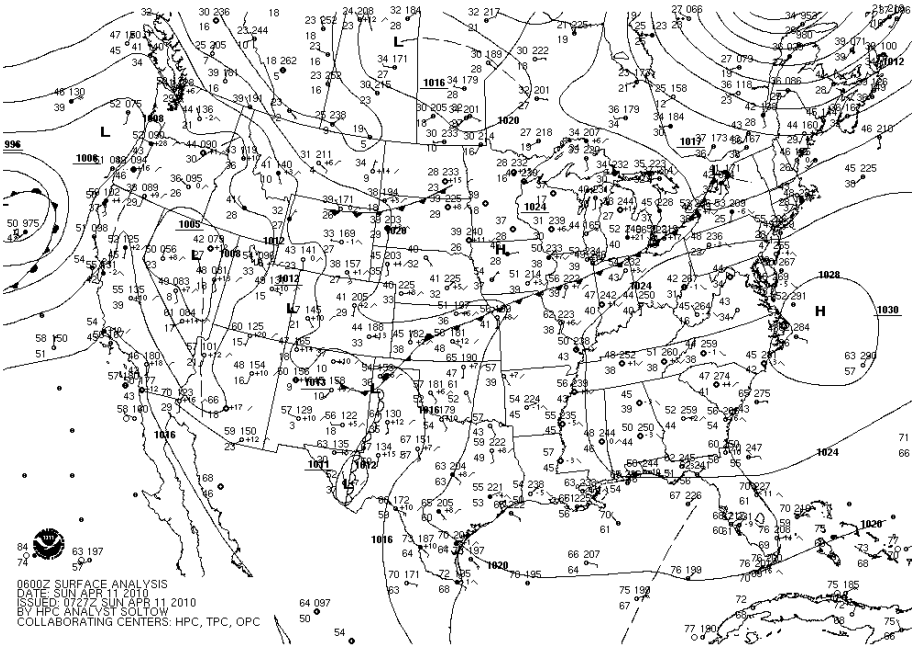
Surface Analysis on April 11, 2010

The surface analysis charts from 4:00 PM PST April 10, 2010 through 11:00 PM PST April 11, 2010 showed winds increasing in the San Joaquin Valley as the low pressure system strengthened along the coast and then moved into California.

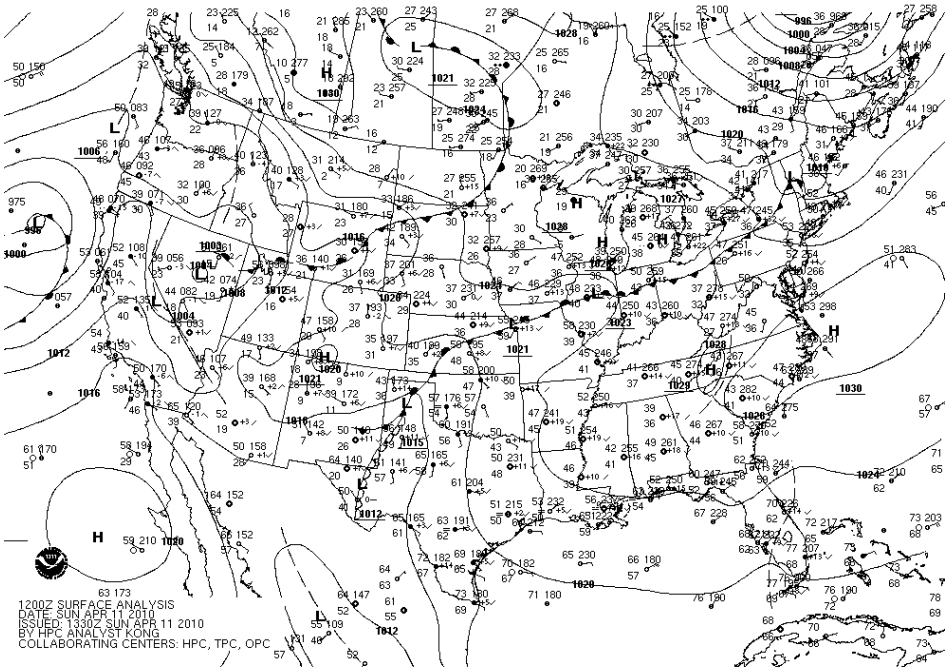
April 10, 2010 4:00 PM PST



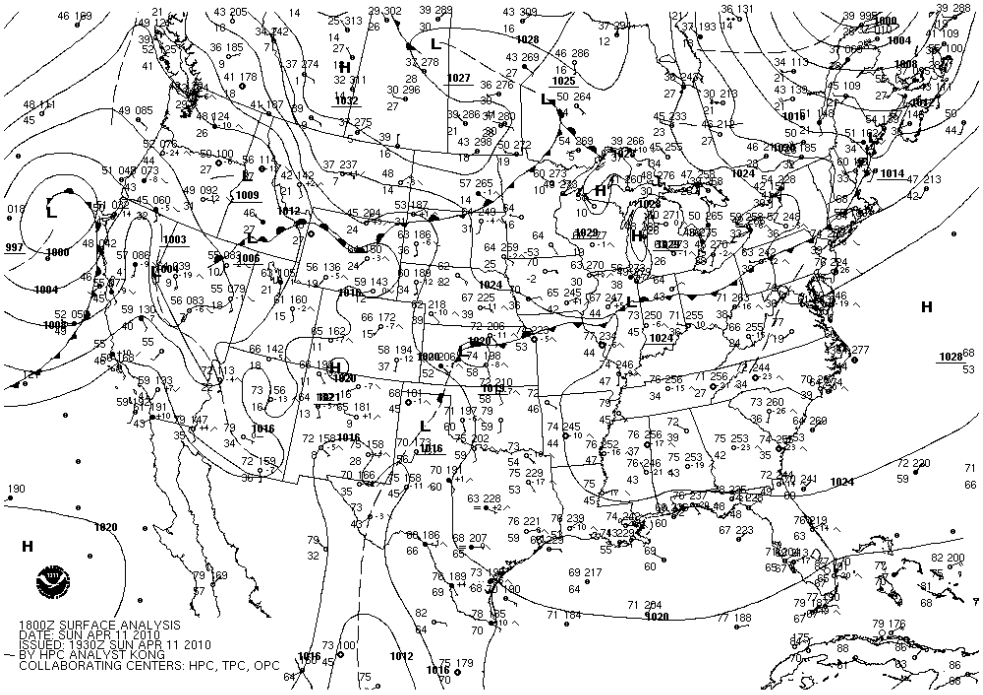
April 10, 2010 10:00 PM PST



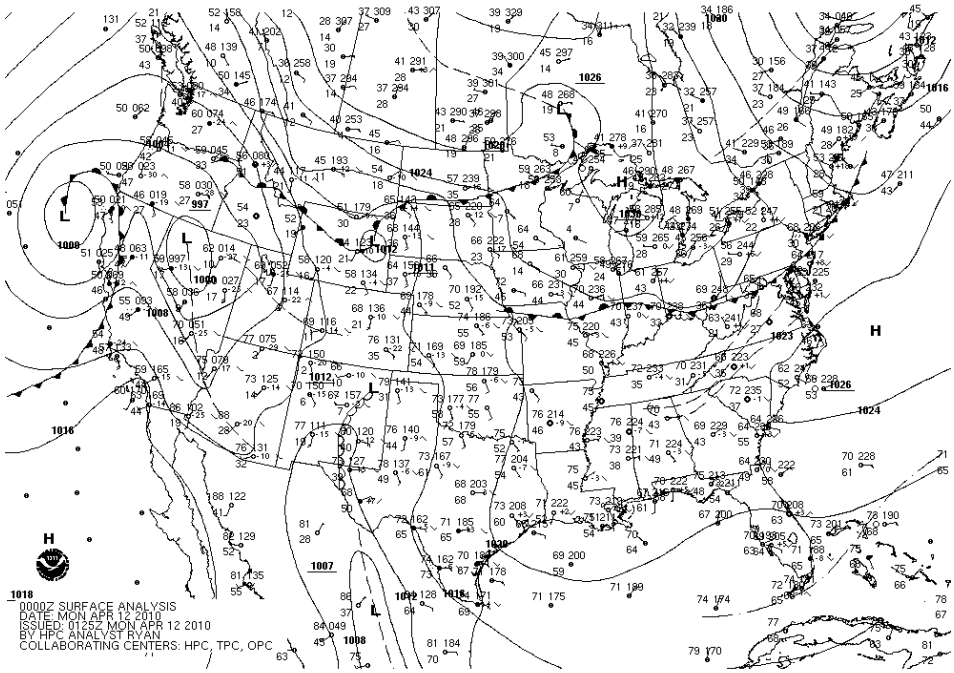
April 11, 2010 4:00 AM PST



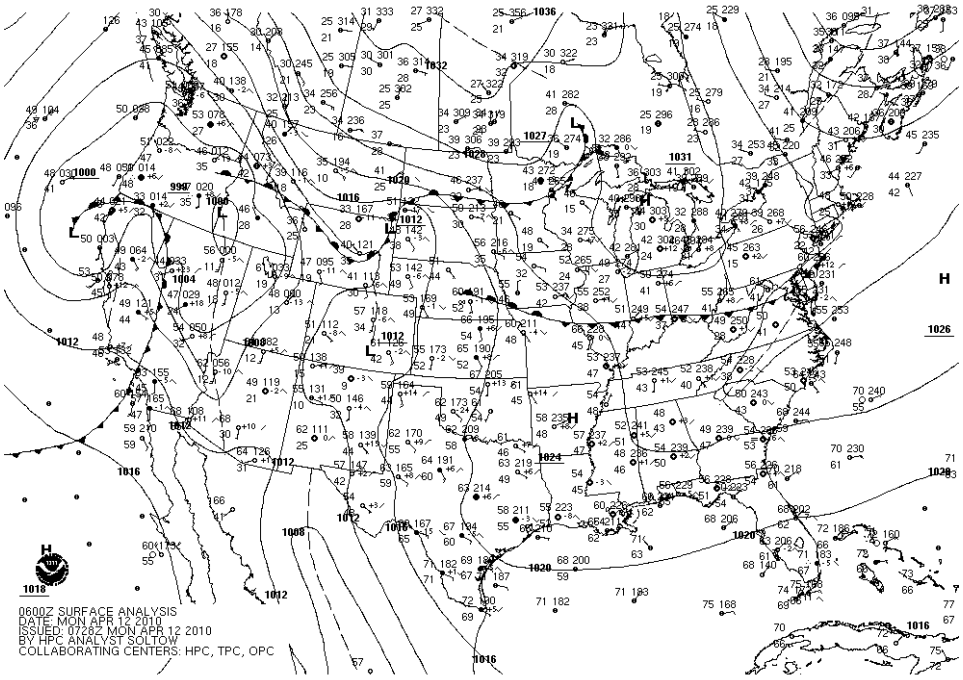
April 11, 2010 10:00 AM PST



April 11, 2010 4:00 PM PST



April 11, 2010 10:00 PM PST



F3. Surface Observations

CARB Air Monitoring Site: Bakersfield – California Avenue

1 - H o u r A v e r a g e s			
Define Group		BFL255	BFL255
Date - Time		RWS	RWD
		KNOTS	DEG
11-Apr-10	0:00	3	0
11-Apr-10	1:00	2	315
11-Apr-10	2:00	2	296
11-Apr-10	3:00	2	275
11-Apr-10	4:00	2	97
11-Apr-10	5:00	2	88
11-Apr-10	6:00	3	105
11-Apr-10	7:00	2	101
11-Apr-10	8:00	3	166
11-Apr-10	9:00	4	169
11-Apr-10	10:00	11	150
11-Apr-10	11:00	15	143
11-Apr-10	12:00	18	143
11-Apr-10	13:00	17	140
11-Apr-10	14:00	18	140
11-Apr-10	15:00	15	140
11-Apr-10	16:00	16	140
11-Apr-10	17:00	12	138
11-Apr-10	18:00	5	154
11-Apr-10	19:00	10	316
11-Apr-10	20:00	5	341
11-Apr-10	21:00	3	49
11-Apr-10	22:00	6	101
11-Apr-10	23:00	5	104

Weather Conditions for:

Bakersfield, Meadows Field Airport, CA (KBFL)

Elev: 509 ft; Latitude: 35.43361; Longitude: -119.05667

Current time: Mon, 12 Apr 17:16 pm (PDT)

Most Recent Observation: Mon, 12 Apr 4:54 pm (PDT)

Time (PDT)	Temp. (f)	Dew Point (f)	Relative Humidity (%)	Wind Direction	Wind Speed (mph)	Visibility (miles)	WX	Clouds
12 Apr 4:54 pm	60	44	55	NNW	20	10.00		FEW065 SCT085
12 Apr 3:54 pm	63	39	41	WNW	17G24	10.00		FEW095
12 Apr 3:31 pm	63	43	48	W	14	10.00		FEW049 SCT080 SCT095
12 Apr 2:54 pm	60	40	47	CALM		10.00		SCT046 SCT055 BKN070
12 Apr 1:54 pm	60	43	53	VRBL	3	10.00		CLR
12 Apr 12:54 pm	57	44	62	NW	8	10.00		FEW032 SCT043 BKN065
12 Apr 11:54 am	59	39	48	CALM		10.00		FEW095
12 Apr 10:54 am	57	43	59	SW	5	10.00		BKN065
12 Apr 9:54 am	53	45	74	ESE	5	10.00		FEW032
12 Apr 8:54 am	51	43	74	CALM		10.00		BKN050 OVC055
12 Apr 7:54 am	50	43	76	CALM		10.00		BKN050 OVC060
12 Apr 6:54 am	50	43	76	ESE	3	10.00		OVC060
12 Apr 5:54 am	48	44	86	ESE	3	10.00		OVC065
12 Apr 4:54 am	47	44	90	SSE	6	10.00		BKN060
12 Apr 3:54 am	50	43	76	ENE	5	10.00		BKN090 BKN110
12 Apr 2:54 am	47	43	86	ENE	6	10.00		CLR
12 Apr 1:54 am	49	44	83	ENE	3	10.00		CLR
12 Apr 12:54 am	50	45	82	ESE	8	10.00		SCT050
11 Apr 11:54 pm	49	45	86	E	17G23	7.00	RA	SCT045 OVC055
11 Apr 10:54 pm	50	45	82	SE	8	7.00	RA	SCT027 BKN038 OVC049
11 Apr 9:54 pm	49	45	86	N	12G18	5.00	RA BR	FEW020 SCT037 OVC047
11 Apr 8:54 pm	48	45	89	NNW	16G24	7.00	-RA	SCT043 OVC050
11 Apr 8:05 pm	50	46	87	NW	20G30	10.00	-RA	BKN060 OVC080
11 Apr 7:54 pm	52	44	74	WNW	26G32	8.00	-RA	BKN065 OVC090
11 Apr 6:54 pm	61	40	46	SSE	18G24	4.00	HZ	SCT085 BKN110
11 Apr 6:29 pm	63	39	42	SSE	24G37	6.00	HZ	BKN080
11 Apr 5:54 pm	63	39	41	SSE	26G36	2.00	HZ	FEW085
11 Apr 4:54 pm	65	39	38	SSE	28G41	2.00	HZ	CLR
11 Apr 3:54 pm	67	38	34	SSE	29G43	1.50	HZ	CLR
11 Apr 2:54 pm	67	38	34	SSE	35G43	1.50	HZ	CLR
11 Apr 2:52 pm	66	37	35	SSE	33G40	1.50	HZ	CLR
11 Apr 2:39 pm	66	37	35	SSE	35G39	2.00	HZ	FEW006
11 Apr 1:54 pm	67	38	34	SSE	31G46	1.25	HZ	FEW006
11 Apr 1:20 pm	66	37	35	SSE	35G44	1.25	HZ	FEW008
11 Apr 1:12 pm	66	37	35	SSE	33G46	1.25	HZ	CLR
11 Apr 12:54 pm	67	37	33	SSE	32G39	2.00	HZ	CLR
11 Apr 12:03 pm	64	37	37	SSE	28G35	2.00	HZ	CLR
11 Apr 11:54 am	65	37	36	SSE	24G39	5.00	HZ	CLR
11 Apr 10:54 am	64	40	41	S	14G23	10.00		CLR
11 Apr 9:54 am	57	41	55	S	8	10.00		CLR
11 Apr 8:54 am	56	41	57	SE	6	10.00		CLR
11 Apr 7:54 am	50	43	76	ESE	6	9.00		CLR
11 Apr 6:54 am	49	41	74	CALM		8.00		CLR
11 Apr 5:54 am	51	41	68	SE	5	10.00		CLR

11 Apr 4:54 am	51	40	65	CALM		10.00	CLR
11 Apr 3:54 am	51	40	65	CALM		10.00	CLR
11 Apr 2:54 am	51	40	65	N	3	10.00	CLR
11 Apr 1:54 am	54	40	59	NNE	8	10.00	CLR
11 Apr 12:54 am	52	40	63	N	8	10.00	CLR
10 Apr 11:54 pm	52	40	63	N	7	10.00	CLR

Weather Conditions for:

Visalia, Visalia Municipal Airport, CA (KVIS)

Elev: 295 ft; Latitude: 36.31667; Longitude: -119.4

Current time: Mon, 12 Apr 17:21 pm (PDT)

Most Recent Observation: Mon, 12 Apr 5:15 pm (PDT)

Time (PDT)	Temp. (f)	Dew Point (f)	Relative Humidity (%)	Wind Direction	Wind Speed (mph)	Visibility (miles)	WX	Clouds
12 Apr 5:15 pm	55	45	67	ESE	7	10.00		SCT040 BKN047 OVC055
12 Apr 4:55 pm	57	45	63	SE	7	10.00		SCT044 BKN070 OVC095
12 Apr 4:35 pm	57	45	63	S	6	10.00		FEW070 OVC090
12 Apr 4:15 pm	57	43	59	SSW	10	10.00		FEW070 BKN080
12 Apr 3:55 pm	57	46	67	SSE	12	10.00		FEW070 OVC090
12 Apr 3:35 pm	55	45	67	SSE	9	10.00		FEW046 SCT060 OVC090
12 Apr 3:15 pm	55	45	67	SSE	13	10.00		FEW055 BKN070 OVC090
12 Apr 2:55 pm	52	43	71	SSE	10	10.00		FEW034 SCT048 BKN070
12 Apr 2:35 pm	48	39	71	S	6G30	8.00		BKN036 BKN042 OVC048
12 Apr 2:15 pm	57	43	59	SW	21G25	10.00		SCT038 BKN049 OVC065
12 Apr 1:55 pm	61	45	55	SSW	10	10.00		SCT038
12 Apr 1:35 pm	59	43	55	SSW	13	10.00		SCT032 SCT039 SCT050
12 Apr 1:15 pm	57	45	63	S	12G20	10.00		SCT032 BKN050 OVC095
12 Apr 12:55 pm	57	43	59	S	12	10.00		BKN050 BKN060 OVC095
12 Apr 12:35 pm	57	45	63	S	13G16	10.00		FEW031 SCT039 OVC060
12 Apr 12:15 pm	57	45	63	S	10G17	10.00		SCT031 BKN046 OVC060
12 Apr 11:55 am	55	45	67	SE	7	10.00		FEW031 SCT042 BKN048
12 Apr 11:35 am	57	45	63	SE	8	10.00		FEW028
12 Apr 11:15 am	55	45	67	ESE	9	10.00		CLR
12 Apr 10:55 am	55	45	67	ESE	6	10.00		FEW080
12 Apr 10:35 am	54	45	71	SE	10	10.00		SCT055 BKN070 BKN080
12 Apr 10:15 am	52	45	76	SE	10	10.00		BKN055 OVC070
12 Apr 9:55 am	50	45	82	SE	8	10.00		FEW046 OVC055
12 Apr 9:35 am	48	43	81	CALM		10.00		FEW016 SCT036 OVC048
12 Apr 9:15 am	48	43	81	WSW	9	8.00		SCT016 OVC036
12 Apr 8:55 am	50	43	76	CALM		10.00		BKN038 OVC046
12 Apr 8:35 am	50	43	76	ESE	5	9.00		OVC046
12 Apr 8:15 am	50	43	76	ESE	6	10.00		BKN045 OVC055
12 Apr 7:55 am	50	43	76	SE	6	10.00		SCT047 BKN055 OVC065
12 Apr 7:35 am	48	43	81	SE	5	10.00		SCT055 BKN065 OVC080
12 Apr 7:15 am	48	43	81	ESE	6	10.00		BKN055 OVC065
12 Apr 6:55 am	48	41	76	ESE	7	10.00		FEW046 SCT050 OVC065
12 Apr 6:35 am	48	43	81	ESE	8	9.00		BKN044 OVC050
12 Apr 6:15 am	48	43	81	S	7	10.00		OVC046
12 Apr 5:55 am	48	41	76	SSE	7	9.00		BKN049 OVC070

12 Apr 5:35 am	48	41	76	SSE	7	10.00	FEW060 **BKN070** OVC090
12 Apr 5:15 am	48	39	71	SE	7	10.00	BKN090 OVC110
12 Apr 4:55 am	48	41	76	ESE	7	10.00	FEW042 **BKN050** BKN110
12 Apr 4:35 am	48	41	76	SSE	6	10.00	**OVC047**
12 Apr 4:15 am	48	41	76	SSE	7	10.00	**OVC042**
12 Apr 3:55 am	48	41	76	SE	5	10.00	**BKN044**
12 Apr 3:35 am	48	41	76	SSE	3	10.00	**OVC046**
12 Apr 3:15 am	48	41	76	SE	5	10.00	**OVC046**
12 Apr 2:55 am	48	39	71	SSE	5	10.00	**BKN050** BKN110
12 Apr 2:35 am	46	39	76	SSE	7	10.00	FEW060 BKN120
12 Apr 2:15 am	48	39	71	SSE	8	10.00	SCT120
12 Apr 1:55 am	46	39	76	SE	9	10.00	CLR
12 Apr 1:35 am	48	39	71	SE	8	10.00	CLR
12 Apr 1:15 am	48	39	71	SE	10	10.00	SCT045
12 Apr 12:55 am	48	41	76	ESE	8	10.00	SCT039 **OVC047**
12 Apr 12:35 am	48	39	71	E	6	10.00	FEW033 SCT040 **BKN047**
12 Apr 12:15 am	48	39	71	ESE	7	10.00	SCT033 SCT040
11 Apr 11:55 pm	48	39	71	E	7	10.00	SCT033 **BKN040** OVC060
11 Apr 11:35 pm	48	39	71	ESE	7	10.00	FEW035 **BKN060**
11 Apr 11:15 pm	48	39	71	ESE	13	10.00	SCT032 **BKN060**
11 Apr 10:55 pm	48	39	71	SE	14	10.00	**BKN029** OVC060
11 Apr 10:35 pm	48	41	76	ESE	13G16	10.00	**BKN027** OVC090
11 Apr 10:15 pm	48	41	76	ESE	12	10.00	SCT027 **BKN060** OVC090
11 Apr 9:55 pm	48	41	76	E	10	10.00	SCT029 **BKN055** OVC070
11 Apr 9:35 pm	46	41	81	ESE	16**G23**	10.00	**OVC055**
11 Apr 9:15 pm	46	41	81	E	16	10.00	**OVC055**
11 Apr 8:55 pm	46	41	81	ESE	9	10.00	SCT048 **OVC055**
11 Apr 8:35 pm	46	39	76	CALM		10.00	**OVC048**
11 Apr 8:15 pm	46	41	81	WNW	3	10.00	**OVC048**
11 Apr 7:55 pm	46	39	76	NW	5	10.00	**OVC050**
11 Apr 7:35 pm	46	39	76	W	10	10.00	**OVC060**
11 Apr 7:15 pm	46	39	76	W	15**G23**	10.00	FEW048 **OVC060**
11 Apr 6:55 pm	46	39	76	W	**20G28**	8.00	FEW033 FEW045 **OVC060**
11 Apr 6:35 pm	54	43	67	W	**22G33**	10.00	FEW031 SCT060 **OVC070**
11 Apr 6:15 pm	57	45	63	SSE	8	10.00	**BKN070** OVC080
11 Apr 5:55 pm	57	43	59	S	15**G28**	9.00	**OVC070**
11 Apr 5:35 pm	57	43	59	SSW	**20G29**	**6.00**	**BKN070** OVC075
11 Apr 5:15 pm	61	43	51	SW	14**G20**	10.00	**OVC070**
11 Apr 4:55 pm	61	43	51	SW	17**G24**	10.00	**OVC080**
11 Apr 4:35 pm	63	41	45	SSW	**21G26**	9.00	**OVC080**
11 Apr 4:15 pm	66	37	35	S	**20G25**	**5.00**	**OVC080**
11 Apr 3:55 pm	66	37	35	S	**22G29**	**4.00**	OVC090
11 Apr 3:35 pm	66	37	35	S	18**G25**	9.00	OVC090
11 Apr 3:15 pm	66	39	37	S	13	10.00	FEW065 BKN090
11 Apr 2:55 pm	66	39	37	SSE	12**G21**	10.00	FEW065
11 Apr 2:35 pm	68	39	35	S	15**G20**	10.00	FEW100
11 Apr 2:15 pm	66	39	37	SSE	10G18	10.00	FEW100
11 Apr 1:55 pm	66	39	37	SSE	8	10.00	CLR
11 Apr 1:35 pm	63	39	42	S	7	10.00	CLR
11 Apr 1:15 pm	63	39	42	SSE	10G17	10.00	CLR
11 Apr 12:55 pm	63	39	42	SSE	9	10.00	CLR
11 Apr 12:35 pm	61	39	45	SSE	9	10.00	CLR
11 Apr 12:15 pm	61	39	45	SE	7	10.00	CLR
11 Apr 11:55 am	61	39	45	SE	7	10.00	CLR

11 Apr 11:35 am	59	39	48	ESE	9	10.00	CLR
11 Apr 11:15 am	59	39	48	E	7	10.00	CLR
11 Apr 10:55 am	59	39	48	ESE	8	10.00	CLR
11 Apr 10:35 am	57	39	51	SE	7	10.00	CLR
11 Apr 10:15 am	57	39	51	SE	7	10.00	CLR
11 Apr 9:55 am	57	39	51	SE	7	10.00	CLR
11 Apr 9:35 am	55	39	54	E	7	10.00	CLR
11 Apr 9:15 am	55	39	54	E	8	10.00	CLR
11 Apr 8:55 am	54	41	62	E	6	9.00	CLR
11 Apr 8:35 am	54	41	62	E	6	10.00	SCT047
11 Apr 8:15 am	52	41	66	E	7	10.00	**BKN045**
11 Apr 7:55 am	52	41	66	E	6	10.00	SCT045
11 Apr 7:35 am	50	39	66	E	6	10.00	FEW045
11 Apr 7:15 am	48	39	71	E	7	10.00	CLR
11 Apr 6:55 am	50	39	66	E	6	10.00	SCT045
11 Apr 6:35 am	50	39	66	E	6	10.00	**OVC045**
11 Apr 6:15 am	50	39	66	E	5	10.00	**OVC045**
11 Apr 5:55 am	52	39	62	ESE	5	10.00	**BKN043**
11 Apr 5:35 am	50	39	66	SE	3	10.00	**BKN043**
11 Apr 5:15 am	50	39	66	ESE	3	10.00	**BKN043**
11 Apr 4:55 am	48	39	71	ESE	5	10.00	**BKN043**
11 Apr 4:35 am	48	39	71	ESE	3	10.00	**BKN041**
11 Apr 4:15 am	48	39	71	SE	3	10.00	FEW041
11 Apr 3:55 am	48	39	71	ESE	5	10.00	CLR
11 Apr 3:35 am	48	39	71	ESE	3	10.00	CLR
11 Apr 3:15 am	48	39	71	ESE	3	10.00	CLR
11 Apr 2:55 am	48	39	71	CALM		10.00	CLR
11 Apr 2:35 am	48	39	71	CALM		10.00	CLR
11 Apr 2:15 am	48	39	71	CALM		10.00	CLR
11 Apr 1:55 am	48	39	71	CALM		10.00	CLR
11 Apr 1:35 am	48	39	71	CALM		10.00	CLR
11 Apr 1:15 am	48	39	71	CALM		10.00	CLR
11 Apr 12:55 am	48	37	66	CALM		10.00	CLR
11 Apr 12:35 am	48	37	66	E	3	10.00	CLR
11 Apr 12:15 am	48	37	66	CALM		10.00	CLR
10 Apr 11:55 pm	48	37	66	CALM		10.00	CLR

Weather Conditions for:

Hanford, Hanford Municipal Airport, CA (KHJO)

Elev: 243 ft; Latitude: 36.31861; Longitude: -119.62889

Current time: Mon, 12 Apr 17:22 pm (PDT)

Most Recent Observation: Mon, 12 Apr 4:53 pm (PDT)

Time (PDT)	Temp. (f)	Dew Point (f)	Relative Humidity (%)	Wind Direction	Wind Speed (mph)	Visibility (miles)	WX	Clouds	Quality Control
12 Apr 4:53 pm	60	41	49	WSW	13**G21**	10.00		FEW048 SCT100	OK
12 Apr 3:53 pm	61	43	52	WSW	9	10.00		FEW075 BKN100	OK
12 Apr 2:53 pm	60	42	51	SSW	15**G21**	10.00		FEW048 SCT055 **BKN065**	OK
12 Apr 1:53 pm	55	46	72	SW	8	10.00	**-RA**	SCT041 **BKN050** OVC065	OK

12 Apr 12:53 pm	61	46	58	S	14	10.00		FEW034 SCT042 BKN049	OK
12 Apr 11:53 am	57	46	67	S	12	10.00		FEW032 BKN046 BKN055	OK
12 Apr 10:53 am	57	46	67	SSE	13	10.00		BKN110	OK
12 Apr 9:53 am	53	47	80	SE	10	10.00		CLR	OK
12 Apr 8:53 am	48	47	96	SE	8	4.00	-RA BR	FEW035 BKN049 BKN060	OK
12 Apr 7:53 am	48	45	89	SSE	9	8.00	-RA	BKN046 BKN055 OVC065	OK
12 Apr 6:53 am	48	44	86	SE	6	10.00		BKN080 OVC110	OK
12 Apr 5:53 am	48	45	89	SSE	8	10.00		BKN055 OVC070	OK
12 Apr 4:53 am	46	45	96	SE	6	10.00		SCT070 BKN100	OK
12 Apr 3:53 am	48	45	89	SSE	8	10.00		OVC060	OK
12 Apr 2:53 am	48	44	86	SE	8	10.00		SCT043 BKN055 OVC095	OK
12 Apr 1:53 am	46	43	89	ESE	9	10.00		BKN110	OK
12 Apr 12:53 am	47	44	90	ESE	8	10.00		BKN039	OK
11 Apr 11:53 pm	48	47	96	ESE	8	10.00		OVC035	OK
11 Apr 11:28 pm	46	46	100	ESE	10	10.00		SCT026 OVC035	OK
11 Apr 11:07 pm	48	48	100	ESE	7	10.00		BKN025 OVC030	OK
11 Apr 10:53 pm	48	47	96	ESE	12G17	10.00		SCT027	OK
11 Apr 9:53 pm	47	47	100	ESE	13	10.00		BKN110	OK
11 Apr 8:53 pm	47	47	100	SE	8	9.00	-RA	BKN048 OVC065	OK
11 Apr 7:53 pm	47	47	100	W	3	7.00	-RA	BKN040 OVC050	OK
11 Apr 6:53 pm	47	46	97	W	10	5.00	-RA BR	BKN035 OVC047	OK
11 Apr 6:32 pm	46	45	93	W	17G28	4.00	RA BR	SCT035 BKN044 OVC055	OK
11 Apr 6:18 pm	46	45	93	W	21G33	2.50	RA BR	SCT037 OVC060	OK
11 Apr 5:53 pm	60	44	55	SSW	18G26	10.00		SCT050 OVC065	OK
11 Apr 4:53 pm	59	47	64	SW	13G21	8.00	-RA	BKN040 OVC049	OK
11 Apr 3:53 pm	65	38	37	S	24G36	4.00	HZ	SCT047 BKN070	OK
11 Apr 2:53 pm	66	40	38	SE	12G20	10.00		BKN070 BKN085	OK
11 Apr 1:53 pm	67	42	40	SE	13	10.00		BKN060	OK
11 Apr 12:53 pm	62	42	48	VRBL	6G16	10.00		BKN075	OK
11 Apr 11:53 am	60	42	51	SE	8	10.00		CLR	OK
11 Apr 10:53 am	58	42	55	ESE	10	10.00		CLR	OK
11 Apr 9:53 am	56	42	60	SE	9	10.00		CLR	OK
11 Apr 8:53 am	55	43	64	ESE	8	10.00		BKN050	OK
11 Apr 7:53 am	52	44	74	E	6	10.00		OVC050	OK
11 Apr 6:53 am	50	43	77	ESE	3	10.00		OVC048	OK
11 Apr 5:53 am	49	43	80	ESE	6	10.00		OVC048	OK
11 Apr 4:53 am	49	42	77	SSE	3	10.00		BKN046	OK
11 Apr 3:53 am	48	42	80	ESE	5	10.00		FEW044	OK
11 Apr 2:53 am	48	41	77	ESE	5	10.00		CLR	OK
11 Apr 1:53 am	48	41	77	SE	5	10.00		CLR	OK
11 Apr 12:53 am	48	41	77	E	3	10.00		CLR	OK
10 Apr 11:53 pm	51	39	63	WSW	5	10.00		CLR	OK
10 Apr 10:53 pm	53	39	59	W	8	10.00		CLR	OK
10 Apr 9:53 pm	54	39	57	WSW	8	10.00		CLR	OK
10 Apr 8:53 pm	55	39	55	WSW	7	10.00		CLR	OK
10 Apr 7:53 pm	57	39	51	W	7	10.00		CLR	OK
10 Apr 6:53 pm	60	40	47	W	12	10.00		CLR	OK
10 Apr 5:53 pm	65	40	40	WSW	9	10.00		CLR	OK

Weather Conditions for:

Lemoore, Naval Air Station, CA (KNLC)

Elev: 233 ft; Latitude: 36.30361; Longitude: -119.93806

Current time: Mon, 12 Apr 17:23 pm (PDT)

Most Recent Observation: Mon, 12 Apr 4:56 pm (PDT)

Time (PDT)	Temp. (f)	Dew Point (f)	Relative Humidity (%)	Wind Direction	Wind Speed (mph)	Visibility (miles)	WX	Clouds
12 Apr 4:56 pm	63	41	45	WSW	18G25	10.00		SCT040TCU SCT060 SCT100 BKN150
12 Apr 3:56 pm	62	40	44	WSW	21G25	10.00		FEW046 SCT060 BKN100 BKN150
12 Apr 2:56 pm	64	41	43	SW	13G24	10.00		FEW046 SCT060 BKN100 BKN150
12 Apr 1:56 pm	62	40	44	SW	10G23	10.00		SCT045 BKN060 BKN100 BKN150
12 Apr 12:56 pm	62	43	50	S	14G18	10.00		SCT040 BKN060 BKN090 BKN150
12 Apr 11:56 am	60	44	55	S	14G17	10.00		SCT038 SCT050 BKN090 BKN150
12 Apr 10:56 am	58	46	65	S	13	10.00		SCT030 BKN060 BKN090
12 Apr 9:56 am	55	46	72	S	14	10.00		FEW030 SCT065 BKN110
12 Apr 8:56 am	53	47	80	SSE	15	10.00		SCT065 BKN100
12 Apr 7:56 am	49	46	90	S	12	10.00		FEW065 BKN100
12 Apr 7:14 am	46	45	93	S	6	10.00		FEW070 BKN090
12 Apr 6:56 am	46	44	93	SSE	6	3.00		SCT065 BKN100
12 Apr 5:56 am	45	43	93	SSE	8	3.00		CLR
12 Apr 4:56 am	48	45	89	S	10	3.00		SCT050 SCT070 OVC095
12 Apr 3:56 am	48	45	89	SSE	15	3.00		FEW080 BKN110
12 Apr 2:56 am	47	44	90	SE	12	3.00		FEW050 BKN065
12 Apr 1:56 am	46	43	89	SE	13	3.00		FEW090
12 Apr 12:56 am	45	43	93	ESE	12	3.00		CLR
11 Apr 11:56 pm	47	44	90	ESE	9	3.00		FEW029 BKN037
11 Apr 10:56 pm	47	44	90	ESE	10	3.00		CLR
11 Apr 9:56 pm	47	43	86	ESE	12	3.00		CLR
11 Apr 8:56 pm	48	44	86	SSE	16	3.00		FEW075
11 Apr 7:56 pm	48	44	86	SSE	9	3.00	-RA	BKN048 OVC065
11 Apr 6:56 pm	47	43	86	WSW	10	3.00	-RA	OVC050
11 Apr 5:56 pm	48	43	83	WSW	26G32	3.00	RA	BKN041 OVC055
11 Apr 5:48 pm	48	43	81	WSW	26G41	2.50	+RA	SCT039 OVC055
11 Apr 5:43 pm	48	43	81	W	32G41	2.50	-RA	SCT048 OVC055
11 Apr 4:56 pm	60	43	53	S	25G31	10.00		OVC060
11 Apr 3:56 pm	63	40	43	SSW	22G29	10.00	-RA	FEW045 OVC060
11 Apr 2:56 pm	64	39	40	SSE	16	10.00		OVC065
11 Apr 1:56 pm	63	40	43	SE	18G25	10.00		BKN060 OVC200
11 Apr 12:56 pm	66	39	37	SSE	22G28	10.00		BKN060 OVC200
11 Apr 11:56 am	61	39	44	SE	16G25	10.00		BKN055 OVC200
11 Apr 10:56 am	60	41	49	SE	16	10.00		OVC065
11 Apr 9:56 am	59	41	51	SSE	21	10.00		CLR
11 Apr 8:56 am	55	43	64	SE	13	10.00		CLR
11 Apr 7:56 am	51	43	74	SE	8	9.00		CLR
11 Apr 6:56 am	50	41	71	SE	7	10.00		CLR
11 Apr 5:56 am	53	39	59	S	7	10.00		OVC055
11 Apr 4:56 am	51	42	71	SSE	6	10.00		OVC049
11 Apr 3:56 am	50	41	71	E	7	10.00		OVC049
11 Apr 2:56 am	49	40	71	SE	5	10.00		BKN047 BKN055
11 Apr 1:56 am	51	40	65	SSW	6	10.00		CLR
11 Apr 12:56 am	52	39	61	WSW	8	10.00		CLR

10 Apr 11:56 pm	52	38	59	WSW	10	10.00	CLR
10 Apr 10:56 pm	53	38	56	WSW	10	10.00	CLR

Weather Conditions for:

Fresno, Fresno Air Terminal, CA (KFAT)

Elev: 331 ft; Latitude: 36.78000; Longitude: -119.71944

Current time: Mon, 12 Apr 17:23 pm (PDT)

Most Recent Observation: Mon, 12 Apr 5:19 pm (PDT)

Time (PDT)	Temp. (f)	Dew Point (f)	Relative Humidity (%)	Wind Direction	Wind Speed (mph)	Visibility (miles)	WX	Clouds
12 Apr 5:19 pm	48	43	81	NE	9	7.00	TSRA	FEW019 BKN033 OVC050
12 Apr 5:09 pm	46	43	87	E	6	2.00	TSRA	FEW019 BKN033 OVC050
12 Apr 4:58 pm	46	41	81	VRBL	7G18	2.00	TSGSRA	FEW019 BKN033 OVC050
12 Apr 4:53 pm	48	44	86	N	14G21	8.00	-TSRA	FEW019 SCT040 OVC050
12 Apr 4:26 pm	52	46	82	E	15G23	4.00	VCTS RA	SCT039 BKN050CB OVC070
12 Apr 3:53 pm	55	44	66	E	18G24	10.00		FEW049 BKN060 BKN080
12 Apr 2:53 pm	57	50	77	SE	14G18	10.00		FEW019 BKN036 BKN047
12 Apr 2:41 pm	54	45	71	E	8	3.00	-RA	FEW019 BKN036 BKN045
12 Apr 2:33 pm	54	46	77	SE	16	1.75	+RA	FEW023 SCT032 BKN043
12 Apr 1:53 pm	60	43	53	ESE	16	10.00		SCT085
12 Apr 12:53 pm	59	43	55	ESE	16	10.00		BKN035 BKN045
12 Apr 11:53 am	59	43	55	SE	13	10.00		FEW035 SCT040 BKN055
12 Apr 10:53 am	57	43	59	SSE	16G23	10.00		FEW025 SCT070
12 Apr 9:53 am	55	44	66	SSE	17G23	10.00		SCT025 SCT070
12 Apr 8:53 am	53	45	74	SSE	14	10.00		BKN065
12 Apr 7:53 am	50	46	86	SE	12	10.00		FEW050 SCT090 BKN180
12 Apr 6:53 am	49	46	90	ESE	8	10.00	-RA	SCT038 BKN048 OVC055
12 Apr 5:53 am	49	45	86	SE	10	10.00	-RA	BKN070 OVC100
12 Apr 4:53 am	47	44	90	SE	9	10.00		FEW045 SCT080
12 Apr 3:53 am	48	43	83	ESE	10	10.00		FEW047 BKN060
12 Apr 2:53 am	49	43	80	SE	9	10.00		OVC055
12 Apr 1:53 am	48	43	83	SE	9	10.00		OVC100
12 Apr 12:53 am	48	43	83	SE	12	10.00		FEW033 SCT150
11 Apr 11:53 pm	48	43	83	SE	10	10.00		FEW028 OVC150
11 Apr 10:53 pm	49	44	83	E	8	10.00		FEW028 OVC130
11 Apr 9:53 pm	49	44	83	ESE	14	10.00		FEW025 BKN055 OVC130
11 Apr 8:53 pm	48	45	89	E	15	10.00		BKN060 BKN070 OVC080
11 Apr 7:53 pm	48	44	86	SE	6	6.00	-RA BR	BKN044 OVC050
11 Apr 7:21 pm	48	45	87	WSW	8	5.00	-RA BR	BKN041 OVC050
11 Apr 6:53 pm	49	45	86	W	14	2.50	-RA BR	FEW015 BKN041 OVC050
11 Apr 6:24 pm	54	50	88	WSW	12	2.50	RA BR	BKN016 BKN026 OVC038
11 Apr 6:00 pm	55	50	82	S	5	2.50	RA	SCT031 BKN043 OVC055
11 Apr 5:53 pm	55	50	83	SSE	6	4.00	RA	BKN039 BKN047 OVC055
11 Apr 4:53 pm	55	49	80	SSW	14	4.00	-RA	BKN035 BKN049 OVC055
11 Apr 3:53 pm	61	44	54	SSE	9	8.00		SCT038 BKN048 BKN060 OVC130
11 Apr 2:53 pm	63	39	41	SE	14G25	10.00		FEW060 BKN080 OVC130
11 Apr 1:53 pm	65	39	38	SE	20G26	10.00		FEW060 SCT080 BKN150 BKN200
11 Apr 12:53 pm	62	38	41	SE	14	10.00		SCT050 BKN100 OVC150

11 Apr 11:53 am	61	40	46	ESE	14	10.00	FEW060 SCT100 OVC150
11 Apr 10:53 am	59	40	49	SE	12	10.00	FEW060 SCT100 OVC130
11 Apr 9:53 am	58	39	49	SE	15G21	10.00	BKN060 BKN100 OVC130
11 Apr 8:53 am	55	40	57	E	9	10.00	OVC055
11 Apr 7:53 am	53	41	63	ESE	9	10.00	OVC049
11 Apr 6:53 am	53	40	61	E	9	10.00	OVC049
11 Apr 5:53 am	52	40	63	ESE	7	10.00	OVC049
11 Apr 4:53 am	52	40	63	ESE	6	10.00	OVC045
11 Apr 3:53 am	53	39	59	SSE	6	10.00	SCT047 BKN150 OVC200
11 Apr 2:53 am	54	39	57	S	8	10.00	OVC200
11 Apr 1:53 am	52	40	63	SE	7	10.00	OVC200
11 Apr 12:53 am	52	40	63	ESE	8	10.00	OVC200
10 Apr 11:53 pm	54	40	59	E	7	10.00	SCT200

Past Weather Conditions for GVPC1

Observations prior to selected time: April 11, 2010 - 23:59 PDT

Weather Conditions at April 11, 2010 - 23:13 PDT

Tabular Listing: April 10, 2010 - 23:59 through April 11, 2010 - 23:59 PDT

Time(PDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction
	°F	°F	°F	%	mph	mph	
23:13	32.0	31.5	31.8	98	1	8	N
22:13	33.0	32.5	32.8	98	7	10	NNE
21:13	36.0	35.2	35.7	97	5	33	ESE
20:13	37.0	35.4	36.3	94	28	57	S
19:13	37.0	36.0	36.5	96	32	50	S
18:13	38.0	37.0	37.5	96	35	53	S
17:13	38.0	34.5	36.4	87	38	52	S
16:13	40.0	34.3	37.3	80	30	55	S
15:13	42.0	34.7	38.5	75	42	59	S
14:13	42.0	36.9	39.5	82	43	61	S
13:13	41.0	36.2	38.7	83	45	64	S
12:13	41.0	34.7	38.0	78	50	61	S
11:13	41.0	32.3	37.0	71	47	58	S
10:13	40.0	30.7	35.8	69	47	58	S
9:13	37.0	31.1	34.4	79	42	50	S
8:13	36.0	31.9	34.2	85	32	47	S
7:13	35.0	31.8	33.6	88	30	39	SSE
6:13	35.0	30.1	32.9	82	26	35	SSE
5:13	34.0	31.4	32.9	90	18	34	SSE
4:13	34.0	33.0	33.6	96	24	43	S
3:13	35.0	33.7	34.4	95	31	39	S
2:13	35.0	33.7	34.4	95	26	34	S
1:13	36.0	34.7	35.4	95	21	32	SSE
0:13	36.0	34.7	35.4	95	21	30	SSE
23:13	37.0	35.2	36.2	93	20	27	SSE

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APPENDIX G: Climatology

G1. Climate Summaries

FRESNO WSO AP, CALIFORNIA (043257)

Period of Record Monthly Climate Summary

Period of Record : 7/ 1/1948 to 8/31/2009

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	54.5	61.5	67.0	74.5	83.6	91.7	98.3	96.3	90.5	79.7	65.3	54.6	76.5
Average Min. Temperature (F)	37.5	40.6	43.8	47.9	54.4	60.4	65.7	63.9	59.4	51.0	42.4	37.2	50.3
Average Total Precipitation (in.)	2.11	1.90	1.87	1.01	0.37	0.14	0.01	0.01	0.16	0.51	1.14	1.58	10.80
Average Total SnowFall (in.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.
Max. Temp.: 100% Min. Temp.: 100% Precipitation: 100% Snowfall: 91.2% Snow Depth: 91.3%
Source: Western Regional Climate Center

HANFORD 1 S, CALIFORNIA (043747)

Period of Record Monthly Climate Summary

Period of Record : 7/ 1/1899 to 8/31/2009

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	54.7	61.9	67.6	75.0	83.7	91.4	97.9	96.1	90.4	80.0	66.3	55.4	76.7
Average Min. Temperature (F)	35.2	38.6	42.1	46.4	52.5	58.3	62.4	60.4	55.3	47.2	38.7	34.6	47.6
Average Total Precipitation (in.)	1.59	1.53	1.48	0.75	0.26	0.08	0.01	0.01	0.16	0.38	0.84	1.20	8.29
Average Total SnowFall (in.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.
Max. Temp.: 98.4% Min. Temp.: 98.1% Precipitation: 98.8% Snowfall: 98.2% Snow Depth: 98.2%
Source: Western Regional Climate Center

CORCORAN IRRIG DIST, CALIFORNIA (042012)

Period of Record Monthly Climate Summary

Period of Record : 7/ 1/1948 to 8/31/2009

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	54.6	61.9	68.2	76.1	85.5	93.1	99.0	97.0	91.3	81.0	66.1	54.9	77.4
Average Min. Temperature (F)	36.5	39.7	42.7	46.5	52.9	58.7	63.4	61.9	57.4	49.2	40.6	35.8	48.8
Average Total Precipitation (in.)	1.48	1.34	1.13	0.66	0.23	0.05	0.01	0.01	0.16	0.32	0.73	0.98	7.09
Average Total SnowFall (in.)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.
Max. Temp.: 99.5% Min. Temp.: 99.5% Precipitation: 98.9% Snowfall: 99.5% Snow Depth: 99.5%
Source: Western Regional Climate Center

BAKERSFIELD WSO ARPT, CALIFORNIA (040442)

Period of Record Monthly Climate Summary

Period of Record : 10/1/1937 to 8/31/2009

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	57.4	63.6	69.0	75.8	84.3	92.1	98.7	96.6	90.9	80.6	67.3	57.8	77.8
Average Min. Temperature (F)	38.5	42.1	45.5	49.8	56.7	63.3	69.2	67.6	62.9	53.9	44.2	38.5	52.7
Average Total Precipitation (in.)	1.05	1.17	1.12	0.66	0.21	0.07	0.01	0.04	0.11	0.30	0.60	0.78	6.12
Average Total SnowFall (in.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.
Max. Temp.: 99.6% Min. Temp.: 99.6% Precipitation: 99.7% Snowfall: 92.4% Snow Depth: 92.2%
Source: Western Regional Climate Center

G2. Preliminary Climatological Data for October 2009

Bakersfield, CA - April 2010

CXUS56 KHNX 011246
CF6BFL
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: BAKERSFIELD CA
MONTH: APRIL
YEAR: 2010
LATITUDE: 35 25 N
LONGITUDE: 119 3 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	62	38	50	-10	15	0	0.00	0.0	0	7.1	14	310	M	M	5		18	330
2	66	42	54	-6	11	0	0.00	0.0	0	4.0	14	350	M	M	3		17	340
3	65	44	55	-5	10	0	0.00	0.0	0	6.4	14	330	M	M	5		20	10
4	66	40	53	-7	12	0	T	0.0	0	4.6	17	350	M	M	3		22	320
5	62	42	52	-8	13	0	0.08	0.0	0	8.9	28	310	M	M	5	1	38	310
6	66	37	52	-9	13	0	0.00	0.0	0	3.9	13	330	M	M	0	8	16	300
7	77	43	60	-1	5	0	0.00	0.0	0	5.0	15	340	M	M	0		20	10
8	79	45	62	1	3	0	0.00	0.0	0	4.6	13	290	M	M	0		16	320
9	74	48	61	0	4	0	0.00	0.0	0	3.4	12	260	M	M	0		15	260
10	74	50	62	1	3	0	0.00	0.0	0	9.2	21	330	M	M	0		25	320
11	68	48	58	-4	7	0	0.41	0.0	0	15.0	39	150	M	M	2	18	46	150
12	64	46	55	-7	10	0	0.04	0.0	0	6.2	22	280	M	M	6		26	290
13	66	46	56	-6	9	0	T	0.0	0	3.9	13	320	M	M	6		15	290

```
14  71  45  58  -4   7   0 0.00  0.0    0  4.1 14 300   M    M   1 8      20
310
15  72  46  59  -3   6   0 0.00  0.0    0  4.9 13 270   M    M   0 18     23
310
16  75  52  64   1   1   0 0.00  0.0    0  6.0 14 310   M    M   1 8      20
310
17  76  47  62  -1   3   0 0.00  0.0    0  4.6 12 280   M    M   0 18     16
250
18  82  52  67   4   0   2 0.00  0.0    0  5.2 16 320   M    M   0        21
280
19  81  57  69   6   0   4 0.00  0.0    0  8.2  M   M   M    M   0         M
M
20  69  46  58  -6   7   0 0.16  0.0    0  8.0 32 300   M    M   7 18     41
300
21  57  43  50 -14  15   0 0.27  0.0    0  5.4 23 280   M    M   8 1      29
280
22  58  45  52 -12  13   0 0.09  0.0    0  3.4 10 300   M    M   4 1      13
260
23  70  42  56  -8   9   0 0.00  0.0    0  2.8 10 260   M    M   0        15
260
24  77  50  64  -1   1   0 0.00  0.0    0  3.8 13 320   M    M   0        16
300
25  81  54  68   3   0   3 0.00  0.0    0  4.3 13 280   M    M   0 8      18
310
26  85  58  72   7   0   7 0.00  0.0    0  5.0 13 290   M    M   0        18
310
27  81  57  69   4   0   4 0.00  0.0    0  8.7 23 320   M    M   1        29
320
28  69  48  59  -7   6   0 0.04  0.0    0 11.0 28 310   M    M   8 1      33
310
29  63  43  53 -13  12   0 0.02  0.0    0 10.4 20 350   M    M   6        26
330
30  68  46  57  -9   8   0 0.03  0.0    0  5.0 17 310   M    M   5        26
320
================================================================================
===
SM 2124 1400       203  20  1.14     0.0 183.0          M       76
================================================================================
===
AV 70.8 46.7                                6.1 FASTST   M    M   3
MAX(MPH)
                                  MISC ---->  # 39 150               # 46  150
================================================================================
===
NOTES:
# LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

                                          STATION:  BAKERSFIELD CA
                                          MONTH:    APRIL
                                          YEAR:     2010
                                          LATITUDE:   35 25 N
                                          LONGITUDE: 119  3 W
```

```
[TEMPERATURE DATA]      [PRECIPITATION DATA]       SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY: 58.7   TOTAL FOR MONTH:   1.14    1 = FOG OR MIST
DPTR FM NORMAL:  -4.0   DPTR FM NORMAL:    0.69    2 = FOG REDUCING
VISIBILITY
HIGHEST:    85 ON 26    GRTST 24HR  0.44 ON 11-12      TO 1/4 MILE OR LESS
LOWEST:     37 ON  6                                3 = THUNDER
                        SNOW, ICE PELLETS, HAIL     4 = ICE PELLETS
                        TOTAL MONTH:   0.0 INCH     5 = HAIL
                        GRTST 24HR     0.0          6 = FREEZING RAIN OR
DRIZZLE
                        GRTST DEPTH:   0            7 = DUSTSTORM OR
SANDSTORM:
                                                        VSBY 1/2 MILE OR LESS
                                                    8 = SMOKE OR HAZE
[NO. OF DAYS WITH]      [WEATHER - DAYS WITH]       9 = BLOWING SNOW
                                                    X = TORNADO
MAX 32 OR BELOW:   0    0.01 INCH OR MORE:   9
MAX 90 OR ABOVE:   0    0.10 INCH OR MORE:   3
MIN 32 OR BELOW:   0    0.50 INCH OR MORE:   0
MIN  0 OR BELOW:   0    1.00 INCH OR MORE:   0

[HDD (BASE 65) ]
TOTAL THIS MO.   203    CLEAR  (SCALE 0-3)  19
DPTR FM NORMAL    84    PTCLDY (SCALE 4-7)  11
TOTAL FM JUL 1  2139    CLOUDY (SCALE 8-10)  0
DPTR FM NORMAL    53

[CDD (BASE 65) ]
TOTAL THIS MO.    20
DPTR FM NORMAL   -36    [PRESSURE DATA]
TOTAL FM JAN 1    20    HIGHEST SLP 30.33 ON  6
DPTR FM NORMAL   -44    LOWEST  SLP 29.72 ON 21

[REMARKS]
#FINAL-04-10#
```

Hanford, CA - April 2010

```
CXUS56 KHNX 011246
CF6HJO
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

                                        STATION:   HANFORD CA AIRPORT
                                        MONTH:     APRIL
                                        YEAR:      2010
                                        LATITUDE:   36 19 N
                                        LONGITUDE: 119 38 W

  TEMPERATURE IN F:       :PCPN:    SNOW:  WIND      :SUNSHINE: SKY     :PK
WND
================================================================================
```

```
===
1   2   3   4   5  6A  6B    7    8   9   10  11  12  13   14  15   16   17
18
                                          12Z  AVG MX 2MIN
DY MAX MIN AVG DEP HDD CDD  WTR  SNW DPTH SPD SPD DIR MIN PSBL S-S WX    SPD
DR
=============================================================================
===

 1  63  36  50   M  15   0 0.00  0.0    0  7.7  M   M   M    M   2         M
M
 2  65  34  50   M  15   0    T  0.0    0  3.6 14 320   M    M   2        16
320
 3  63  40  52   M  13   0 0.00  0.0    0  8.5 16 320   M    M   2        22
330
 4  56  34  45   M  20   0 0.05  0.0    0  6.4 18 220   M    M   4        25
230
 5  62  42  52   M  13   0 0.15  0.0    0  7.6 23 310   M    M   5 1      30
310
 6  66  41  54   M  11   0 0.00  0.0    0  7.1 14 340   M    M   0        22
300
 7  75  38  57   M   8   0 0.00  0.0    0  3.7 10 310   M    M   0        13
320
 8  78  43  61   M   4   0 0.00  0.0    0  3.9 14 310   M    M   0 18     20
310
 9  74  48  61   M   4   0 0.00  0.0    0  7.3 17 320   M    M   0        21
330
10  69  48  59   M   6   0 0.00  0.0    0  6.7 16 200   M    M   0        21
260
11  68  47  58   M   7   0 0.26  0.0    0  9.0 29 200   M    M   6 18     43
260
12  63  45  54   M  11   0 0.08  0.0    0  7.8 20 210   M    M   8 1      25
250
13  65  40  53   M  12   0 0.00  0.0    0  2.4  9 320   M    M   4 12     12
330
14  70  39  55   M  10   0 0.00  0.0    0  5.6 13 310   M    M   0 1      18
320
15  72  45  59   M   6   0 0.00  0.0    0  4.4 24 220   M    M   0        41
80
16  75  48  62   M   3   0 0.00  0.0    0  7.3 16 330   M    M   0 1      26
20
17  77  49  63   M   2   0 0.00  0.0    0  7.0 13 330   M    M   0        31
250
18  81  50  66   M   0   1 0.00  0.0    0  4.1 10 350   M    M   0         M
M
19  82  50  66   M   0   1 0.00  0.0    0  5.3  M   M   M    M   0 18      M
M
20  61  45  53   M  12   0 0.64  0.0    0  7.1 21 320   M    M   8 1      45
80
21  55  42  49   M  16   0 0.34  0.0    0  5.6 14 300   M    M   7 1      26
30
22  57  44  51   M  14   0    T  0.0    0  1.7  8 170   M    M   6 1      10
170
23  69  39  54   M  11   0 0.00  0.0    0  1.1  8  50   M    M   1 128    10
40
24  78  44  61   M   4   0 0.00  0.0    0  3.8 12 320   M    M   0 128     M
M
```

```
25  81  49  65   M   0   0 0.00  0.0    0  5.0 12 300   M    M   0        15
320
26  86  52  69   M   0   4 0.00  0.0    0  3.5 13 310   M    M   0 18      M
M
27  78  52  65   M   0   0 0.00  0.0    0  6.9 20 220   M    M   3 8      25
220
28  67  48  58   M   7   0 0.11  0.0    0  8.5 23 330   M    M   8        29
330
29  66  41  54   M  11   0 0.00  0.0    0 10.8 24 320   M    M   3        30
320
30  68  37  53   M  12   0 0.00  0.0    0  3.5 13 350   M    M   1        18
350
================================================================================
===
SM 2090 1310       247   6  1.63     0.0 172.9          M       70
================================================================================
===
AV 69.7 43.7                                5.8 FASTST   M    M   2
MAX(MPH)
                                  MISC ---->  # 29 200               # 45   80
================================================================================
===
NOTES:
# LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

                                          STATION:  HANFORD CA AIRPORT
                                          MONTH:    APRIL
                                          YEAR:     2010
                                          LATITUDE:   36 19 N
                                          LONGITUDE: 119 38 W

[TEMPERATURE DATA]      [PRECIPITATION DATA]       SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY: 56.7   TOTAL FOR MONTH:   1.63    1 = FOG OR MIST
DPTR FM NORMAL:     M   DPTR FM NORMAL:       M    2 = FOG REDUCING
VISIBILITY
HIGHEST:    86 ON 26    GRTST 24HR  0.68 ON 20-21      TO 1/4 MILE OR LESS
LOWEST:     34 ON  4, 2                            3 = THUNDER
                        SNOW, ICE PELLETS, HAIL    4 = ICE PELLETS
                        TOTAL MONTH:   0.0 INCH    5 = HAIL
                        GRTST 24HR     0.0         6 = FREEZING RAIN OR
DRIZZLE
                        GRTST DEPTH:   0           7 = DUSTSTORM OR
SANDSTORM:
                                                       VSBY 1/2 MILE OR LESS
                                                   8 = SMOKE OR HAZE
[NO. OF DAYS WITH]      [WEATHER - DAYS WITH]      9 = BLOWING SNOW
                                                   X = TORNADO
MAX 32 OR BELOW:   0    0.01 INCH OR MORE:   7
MAX 90 OR ABOVE:   0    0.10 INCH OR MORE:   5
MIN 32 OR BELOW:   0    0.50 INCH OR MORE:   1
MIN  0 OR BELOW:   0    1.00 INCH OR MORE:   0
```

```
[HDD (BASE 65) ]
TOTAL THIS MO.   247    CLEAR  (SCALE 0-3)  20
DPTR FM NORMAL     M    PTCLDY (SCALE 4-7)   8
TOTAL FM JUL 1  2707    CLOUDY (SCALE 8-10)  2
DPTR FM NORMAL-297263

[CDD (BASE 65) ]
TOTAL THIS MO.     6
DPTR FM NORMAL     M    [PRESSURE DATA]
TOTAL FM JAN 1     6    HIGHEST SLP 30.34 ON  6
DPTR FM NORMAL     M    LOWEST  SLP 29.74 ON 21

[REMARKS]
#FINAL-04-10#
```

Fresno, CA - April 2010

```
CXUS56 KHNX 011246
CF6FAT
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

                                          STATION:   FRESNO CA
                                          MONTH:     APRIL
                                          YEAR:      2010
                                          LATITUDE:   36 46 N
                                          LONGITUDE: 119 43 W

  TEMPERATURE IN F:       :PCPN:    SNOW:  WIND      :SUNSHINE: SKY     :PK
WND
=============================================================================
===
1   2   3   4   5  6A  6B    7    8   9   10  11  12  13   14  15   16   17
18
                                      12Z  AVG MX 2MIN
DY MAX MIN AVG DEP HDD CDD  WTR  SNW DPTH SPD SPD DIR MIN PSBL S-S WX    SPD
DR
=============================================================================
===

 1  63  39  51  -7  14   0 0.00  0.0    0  6.5 13 310   M    M   5        17
330
 2  63  41  52  -6  13   0    T  0.0    0  3.4 15 310   M    M   7        20
120
 3  60  43  52  -6  13   0 0.00  0.0    0  9.2 18 320   M    M   7        24
310
 4  57  40  49 -10  16   0 0.12  0.0    0  9.0 20 150   M    M   8        23
140
 5  61  43  52  -7  13   0 0.20  0.0    0  6.2 24 320   M    M   6 1      32
320
 6  65  39  52  -7  13   0 0.00  0.0    0  4.3 14 320   M    M   2        18
330
 7  74  43  59   0   6   0 0.00  0.0    0  2.5  9 280   M    M   0        13
```

```
240
 8  77  48  63   3   2   0 0.00  0.0    0  4.8 16 320   M    M   0        22
310
 9  73  47  60   0   5   0 0.00  0.0    0  5.2 14 300   M    M   1        17
310
10  68  50  59  -1   6   0 0.00  0.0    0  8.4 18 180   M    M   7        23
160
11  65  47  56  -4   9   0 0.37  0.0    0 10.6 23 130   M    M  10 18     30
120
12  61  46  54  -6  11   0 0.35  0.0    0 10.5 22 150   M    M   6 135    29
130
13  65  42  54  -7  11   0 0.00  0.0    0  2.7 10 320   M    M   3 1      13
330
14  70  45  58  -3   7   0 0.00  0.0    0  5.7 15 330   M    M   3        20
340
15  71  45  58  -3   7   0 0.00  0.0    0  3.4 14 300   M    M   6        16
310
16  74  50  62   1   3   0 0.00  0.0    0  7.6 14 310   M    M   2 1      18
310
17  77  49  63   2   2   0 0.00  0.0    0  5.4 12 310   M    M   4        16
300
18  80  52  66   4   0   1 0.00  0.0    0  2.9  8 310   M    M   5        13
280
19  81  54  68   6   0   3 0.00  0.0    0  4.5  M   M   M    M   4         M
M
20  62  46  54  -8  11   0 0.77  0.0    0  9.2 30 300   M    M   9 1      40
300
21  53  44  49 -13  16   0 0.32  0.0    0  6.8 15 250   M    M   9 1      17
270
22  57  46  52 -11  13   0 0.01  0.0    0  2.6  9 170   M    M   9 1      22
210
23  69  43  56  -7   9   0 0.00  0.0    0  1.7  9 170   M    M   2        15
150
24  78  52  65   2   0   0 0.00  0.0    0  4.5 14 320   M    M   3 18     21
350
25  81  54  68   5   0   3 0.00  0.0    0  3.6 12 340   M    M   1 18     16
320
26  85  58  72   8   0   7 0.00  0.0    0  4.7 14 310   M    M   3        16
300
27  76  56  66   2   0   1    T  0.0    0 10.0 20 310   M    M   9        30
250
28  65  48  57  -7   8   0 0.05  0.0    0 10.0 25 320   M    M   7 1      36
320
29  65  43  54 -10  11   0    T  0.0    0 13.5 26 310   M    M   5        36
310
30  69  44  57  -8   8   0 0.00  0.0    0  4.6 14 310   M    M   4        20
300
================================================================================
===
SM 2065 1397       227  15  2.19     0.0 184.0          M      147
================================================================================
===
AV 68.8 46.6                              6.1 FASTST   M    M   5
MAX(MPH)
                                  MISC ---->  # 30 300              # 40  300
================================================================================
===
```

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: FRESNO CA
MONTH: APRIL
YEAR: 2010
LATITUDE: 36 46 N
LONGITUDE: 119 43 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 57.7
DPTR FM NORMAL: -3.5
VISIBILITY
HIGHEST: 85 ON 26
LOWEST: 39 ON 6, 1

[PRECIPITATION DATA]

TOTAL FOR MONTH: 2.19
DPTR FM NORMAL: 1.43
GRTST 24HR 0.77 ON 20-20
SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING
TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR
DRIZZLE
7 = DUSTSTORM OR
SANDSTORM:
VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 8
0.10 INCH OR MORE: 6
0.50 INCH OR MORE: 1
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 227
DPTR FM NORMAL 87
TOTAL FM JUL 1 2323
DPTR FM NORMAL -83

CLEAR (SCALE 0-3) 11
PTCLDY (SCALE 4-7) 14
CLOUDY (SCALE 8-10) 5

[CDD (BASE 65)]
TOTAL THIS MO. 15
DPTR FM NORMAL -25
TOTAL FM JAN 1 15
DPTR FM NORMAL -28

[PRESSURE DATA]
HIGHEST SLP 30.33 ON 6
LOWEST SLP 29.73 ON 21

[REMARKS]
#FINAL-04-10#

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APPENDIX H: AQS Printout

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: FUW

RAW DATA REPORT

Report Request ID: 903508 Report Code: AMP350 Aug. 25, 2011

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region	Method	Duration	Begin Date	End Date
	06	029													
	06	031													
	06	019													
	06	047													
	06	077													
	06	107													
	06	099													

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
	81102		
	85101		

SELECTED OPTIONS

Option Type	Option Value
RAW DATA EVENTS	INCLUDE EVENTS
INCLUDE NULLS	YES
DAILY STATISTICS	MEAN
MERGE PDF FILES	YES
UNITS	STANDARD

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	PARAMETER_CODE
5	POC

GLOBAL DATES

Start Date	End Date
2010 04 01	2010 04 30

APPLICABLE STANDARDS

Standard Description
PM10 24-hour 2006

(81102) PM10 Total 0-10um STP

SITE ID: 06-019-0007 POC: 1
COUNTY: (019) Fresno
CITY: (27000) Fresno
SITE ADDRESS: 4706 E. DRUMMOND ST., FRESNO
SITE COMMENTS: ARB SITE NUMBER 1000244 NEW SITE 07/84.
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (2840) FRESNO, CA
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.705556
LONGITUDE: -119.741389
UTM ZONE: 11
UTM NORTHING: 4065510
UTM EASTING: 255112
ELEVATION-MSL: 89
PROBE HEIGHT: 5

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				28								
3												
4												
5												
6												
7												
8				43								
9												
10												
11												
12												
13												
14				16								
15												
16												
17												
18												
19												
20				11								
21												
22												
23												
24												
25												
26				24								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				43.								
MEAN:				24.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 24.4 ANNUAL MAX: 43.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-019-0007 POC: 1
COUNTY: (019) Fresno
CITY: (27000) Fresno
SITE ADDRESS: 4706 E. DRUMMOND ST., FRESNO
SITE COMMENTS: ARB SITE NUMBER 1000244 NEW SITE 07/84.
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (2840) FRESNO, CA
LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.705556
LONGITUDE: -119.741389
UTM ZONE: 11
UTM NORTHING: 4065510
UTM EASTING: 255112
ELEVATION-MSL: 89
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				29								
3												
4												
5												
6												
7												
8				43								
9												
10												
11												
12												
13												
14				16								
15												
16												
17												
18												
19												
20				11								
21												
22												
23												
24												
25												
26				24								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				43.								
MEAN:				24.6								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 24.6 ANNUAL MAX: 43.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-019-0008 POC: 1
COUNTY: (019) Fresno
CITY: (27000) Fresno
SITE ADDRESS: 3425 N FIRST ST, FRESNO
SITE COMMENTS: RELOCATED ABOUT 1-2/3 MI. NNW OF FRESNO-OLIVE AVENUE SITE. ARB SITE NAME (#) IS FI
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/SIERRA ANDERSON MODEL 1200 SSI INLET.

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (2840) FRESNO, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.781389
LONGITUDE: -119.772222
UTM ZONE: 11
UTM NORTHING: 4074004
UTM EASTING: 252601
ELEVATION-MSL: 96
PROBE HEIGHT: 13

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				10								
3												
4												
5												
6												
7												
8				15								
9												
10												
11												
12												
13												
14				11								
15												
16												
17												
18												
19												
20				6								
21												
22												
23												
24												
25												
26				26								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				26.								
MEAN:				13.6								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 13.6 ANNUAL MAX: 26.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-019-0008 POC: 1
COUNTY: (019) Fresno
CITY: (27000) Fresno
SITE ADDRESS: 3425 N FIRST ST, FRESNO
SITE COMMENTS: RELOCATED ABOUT 1-2/3 MI. NNW OF FRESNO-OLIVE AVENUE SITE. ARB SITE NAME (#) IS FI
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (2840) FRESNO, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.781389
LONGITUDE: -119.772222
UTM ZONE: 11
UTM NORTHING: 4074004
UTM EASTING: 252601
ELEVATION-MSL: 96
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				11								
3												
4												
5												
6												
7												
8				15								
9												
10												
11												
12												
13												
14				11								
15												
16												
17												
18												
19												
20				6								
21												
22												
23												
24												
25												
26				26								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				26.								
MEAN:				13.8								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 13.8 ANNUAL MAX: 26.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-019-0008 POC: 4
COUNTY: (019) Fresno
CITY: (27000) Fresno
SITE ADDRESS: 3425 N FIRST ST, FRESNO
SITE COMMENTS: RELOCATED ABOUT 1-2/3 MI. NNW OF FRESNO-OLIVE AVENUE SITE. ARB SITE NAME (#) IS FI
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (2840) FRESNO, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.781389
LONGITUDE: -119.772222
UTM ZONE: 11
UTM NORTHING: 4074004
UTM EASTING: 252601
ELEVATION-MSL: 96
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: IMPROVE
COLLECTION AND ANALYSIS METHOD: (808) IMPROVE Module D with Cyclone Inle
PQAO: (0745) National Park Service

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				12.451								
3												
4												
5				5.822								
6												
7												
8				14.868								
9												
10												
11				18.765								
12												
13												
14				10.582								
15												
16												
17				10.089								
18												
19												
20												
21												
22												
23				14.529								
24												
25												
26				23.813								
27												
28												
29				9.190								
30												
31												
NO.:	0	0	0	9	0	0	0	0	0	0	0	0
MAX:				23.813								
MEAN:				13.3453								

ANNUAL OBSERVATIONS: 9 ANNUAL MEAN: 13.3453 ANNUAL MAX: 23.813

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-019-5001 POC: 1
COUNTY: (019) Fresno
CITY: (14218) Clovis
SITE ADDRESS: 908 N VILLA AVE, CLOVIS
SITE COMMENTS: LOCATED IN CLOVIS MAINTENANCE YARD. ARB SITE NAME (#) IS CLOVIS-908 N VILLA AVE.
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (2840) FRESNO, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.819167
LONGITUDE: -119.716389
UTM ZONE: 11
UTM NORTHING: 4078053
UTM EASTING: 257704
ELEVATION-MSL: 86
PROBE HEIGHT: 6

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				17								
3												
4												
5												
6												
7												
8				21								
9												
10												
11												
12												
13												
14				12								
15												
16												
17												
18												
19												
20				8								
21												
22												
23												
24												
25												
26				31								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				31.								
MEAN:				17.8								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 17.8 ANNUAL MAX: 31.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-019-5001 POC: 1
COUNTY: (019) Fresno
CITY: (14218) Clovis
SITE ADDRESS: 908 N VILLA AVE, CLOVIS
SITE COMMENTS: LOCATED IN CLOVIS MAINTENANCE YARD. ARB SITE NAME (#) IS CLOVIS-908 N VILLA AVE.
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (2840) FRESNO, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.819167
LONGITUDE: -119.716389
UTM ZONE: 11
UTM NORTHING: 4078053
UTM EASTING: 257704
ELEVATION-MSL: 86
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				18								
3												
4												
5												
6												
7												
8				22								
9												
10												
11												
12												
13												
14				12								
15												
16												
17												
18												
19												
20				9								
21												
22												
23												
24												
25												
26				31								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				31.								
MEAN:				18.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 18.4 ANNUAL MAX: 31.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-019-9000 POC: 1
COUNTY: (019) Fresno
CITY: (00000) Not in a city
SITE ADDRESS: Kaiser
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: FOREST
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 37.2206398608
LONGITUDE: -119.15555696
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 2598
PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
MONITOR TYPE: IMPROVE
COLLECTION AND ANALYSIS METHOD: (808) IMPROVE Module D with Cyclone Inle
PQAO: (0745) National Park Service

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				3.005								
3												
4												
5				2.281								
6												
7												
8				3.701								
9												
10												
11				8.707								
12												
13												
14				3.460								
15												
16												
17				7.073								
18												
19												
20				3.209								
21												
22												
23				3.926								
24												
25												
26				10.759								
27												
28												
29				AN								
30												
31												
NO.:	0	0	0	9	0	0	0	0	0	0	0	0
MAX:				10.759								
MEAN:				5.1246								

ANNUAL OBSERVATIONS: 9 ANNUAL MEAN: 5.1246 ANNUAL MAX: 10.759

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-029-0011 POC: 1
COUNTY: (029) Kern
CITY: (48452) Mojave
SITE ADDRESS: 923 POOLE STREET, MOJAVE, CA 93501
SITE COMMENTS: ARB SITE NAME (NUMBER) IS MOJAVE-923 POOLE ST (1500252). AT MOJAVE AIRPORT ANIMAI
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (033) SOUTHEAST DESERT
URBANIZED AREA: (0680) BAKERSFIELD, CA
LAND USE: MOBILE
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.050556
LONGITUDE: -118.146389
UTM ZONE: 11
UTM NORTHING: 3879053
UTM EASTING: 395450
ELEVATION-MSL: 853
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				8								
3												
4												
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7												
8				8								
9												
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14				12								
15												
16												
17												
18												
19												
20				5								
21												
22												
23												
24												
25												
26				AJ								
27												
28												
29												
30												
31												
NO.:	0	0	0	4	0	0	0	0	0	0	0	0
MAX:				12.								
MEAN:				8.3								

ANNUAL OBSERVATIONS: 4 ANNUAL MEAN: 8.3 ANNUAL MAX: 12.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-029-0011 POC: 1
COUNTY: (029) Kern
CITY: (48452) Mojave
SITE ADDRESS: 923 POOLE STREET, MOJAVE, CA 93501
SITE COMMENTS: ARB SITE NAME (NUMBER) IS MOJAVE-923 POOLE ST (1500252). AT MOJAVE AIRPORT ANIMAI
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (033) SOUTHEAST DESERT
URBANIZED AREA: (0680) BAKERSFIELD, CA
LAND USE: MOBILE
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.050556
LONGITUDE: -118.146389
UTM ZONE: 11
UTM NORTHING: 3879053
UTM EASTING: 395450
ELEVATION-MSL: 853
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				7								
3												
4												
5												
6												
7												
8				7								
9												
10												
11												
12												
13												
14				11								
15												
16												
17												
18												
19												
20				5								
21												
22												
23												
24												
25												
26				AJ								
27												
28												
29												
30												
31												
NO.:	0	0	0	4	0	0	0	0	0	0	0	0
MAX:				11.								
MEAN:				7.5								

ANNUAL OBSERVATIONS: 4 ANNUAL MEAN: 7.5 ANNUAL MAX: 11.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-029-0014 POC: 1
COUNTY: (029) Kern
CITY: (03526) Bakersfield
SITE ADDRESS: 5558 CALIFORNIA AVE, BAKERSFIELD
SITE COMMENTS:
MONITOR COMMENTS: GMW HI-VOL W/ SA 1200 SSI INLET - CARB PRIMARY SAMPLER

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0680) BAKERSFIELD, CA
LAND USE: MOBILE
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.356111
LONGITUDE: -119.040278
UTM ZONE: 11
UTM NORTHING: 3914247
UTM EASTING: 314614
ELEVATION-MSL: 0
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				19								
3												
4												
5												
6												
7												
8				AG								
9												
10												
11												
12												
13												
14				29								
15												
16				29								
17												
18												
19												
20				10								
21												
22												
23												
24												
25												
26				31								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				31.								
MEAN:				23.6								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 23.6 ANNUAL MAX: 31.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-029-0014 POC: 2
COUNTY: (029) Kern
CITY: (03526) Bakersfield
SITE ADDRESS: 5558 CALIFORNIA AVE, BAKERSFIELD
SITE COMMENTS:
MONITOR COMMENTS: GMW HI-VOL W/ SA 1200 SSI INLET - CARB COLLOCATED SAMPLER

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0680) BAKERSFIELD, CA
LAND USE: MOBILE
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.356111
LONGITUDE: -119.040278
UTM ZONE: 11
UTM NORTHING: 3914247
UTM EASTING: 314614
ELEVATION-MSL: 0
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				20								
3												
4												
5												
6												
7												
8				32								
9												
10												
11												
12												
13												
14				29								
15												
16				30								
17												
18												
19												
20				11								
21												
22												
23												
24												
25												
26				31								
27												
28												
29												
30												
31												
NO.:	0	0	0	6	0	0	0	0	0	0	0	0
MAX:				32.								
MEAN:				25.5								

ANNUAL OBSERVATIONS: 6 ANNUAL MEAN: 25.5 ANNUAL MAX: 32.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-029-0014 POC: 1
COUNTY: (029) Kern
CITY: (03526) Bakersfield
SITE ADDRESS: 5558 CALIFORNIA AVE, BAKERSFIELD
SITE COMMENTS:
MONITOR COMMENTS: GMW HI-VOL W/ SA 1200 SSI INLET - THE PRIMARY SAMPLER

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0680) BAKERSFIELD, CA
LAND USE: MOBILE
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.356111
LONGITUDE: -119.040278
UTM ZONE: 11
UTM NORTHING: 3914247
UTM EASTING: 314614
ELEVATION-MSL: 0
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				19								
3												
4												
5												
6												
7												
8				AG								
9												
10												
11												
12												
13												
14				30								
15												
16				30								
17												
18												
19												
20				10								
21												
22												
23												
24												
25												
26				31								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				31.								
MEAN:				24.0								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 24.0 ANNUAL MAX: 31.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-029-0014 POC: 2
COUNTY: (029) Kern
CITY: (03526) Bakersfield
SITE ADDRESS: 5558 CALIFORNIA AVE, BAKERSFIELD
SITE COMMENTS:
MONITOR COMMENTS: GMW HI-VOL W/ SA 1200 SSI INLET - THE COLLOCATED SAMPLER

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0680) BAKERSFIELD, CA
LAND USE: MOBILE
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.356111
LONGITUDE: -119.040278
UTM ZONE: 11
UTM NORTHING: 3914247
UTM EASTING: 314614
ELEVATION-MSL: 0
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				20								
3												
4												
5												
6												
7												
8				32								
9												
10												
11												
12												
13												
14				30								
15												
16				30								
17												
18												
19												
20				11								
21												
22												
23												
24												
25												
26				31								
27												
28												
29												
30												
31												
NO.:	0	0	0	6	0	0	0	0	0	0	0	0
MAX:				32.								
MEAN:				25.7								

ANNUAL OBSERVATIONS: 6 ANNUAL MEAN: 25.7 ANNUAL MAX: 32.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-029-0014 POC: 5
COUNTY: (029) Kern
CITY: (03526) Bakersfield
SITE ADDRESS: 5558 CALIFORNIA AVE, BAKERSFIELD
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0680) BAKERSFIELD, CA
LAND USE: MOBILE
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.356111
LONGITUDE: -119.040278
UTM ZONE: 11
UTM NORTHING: 3914247
UTM EASTING: 314614
ELEVATION-MSL: 0
PROBE HEIGHT: 2

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (122) INSTRUMENT MET ONE 4 MODELS BETA A
PQAO: (0145) California Air Resources Board

REPORT FOR: APRIL 2010

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 4

DAY	HOUR 0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MEAN
1	9	9	12	12	11	12	12	10	13	14	21	21	11	24	21	16	20	19	16	18	22	26	22	24	24	16.5
2	27	19	27	19	18	21	25	35	26	31	17	23	20	25	19	13	13	25	18	22	64	29	29	27	24	24.7
3	28	14	15	20	17	7	9	18	20	31	27	24	36	27	25	23	26	27	29	25	29	32	31	18	24	23.3
4	21	25	17	23	19	20	24	34	23	23	16	13	21	22	51	34	13	17	18	18	13	14	15	24	24	21.6
5	19	24	23	22	8	10	9	7	7	7	9	9	11	13	9	7	7	11	12	9	12	14	17	14	24	12.1
6	15	21	15	14	20	17	17	24	29	22	17	14	15	18	22	22	20	15	24	19	24	25	27	30	24	20.3
7	35	34	38	30	33	39	43	33	36	23	40	29	27	26	38	25	34	34	38	30	41	46	51	50	24	35.5
8	51	45	48	39	38	46	51	46	50	52	BA	BA	35	37	19	16	16	13	21	40	32	35	47	38	22	37.0
9	41	33	33	30	37	45	50	55	36	32	27	27	36	34	32	31	35	41	41	44	43	63	59	57	24	40.1
10	57	41	39	37	31	36	44	51	51	33	29	40	38	37	45	47	56	44	51	41	33	32	35	29	24	40.7
11	23IJ	31IJ	28IJ	29IJ	33IJ	40IJ	36IJ	38IJ	39IJ	67IJ	242IJ	765IJ	1000IJ	925IJ	654IJ	482IJ	418IJ	430IJ	372IJ	24IJ	12IJ	11IJ	9IJ	4IJ	24	238.0
12	2	2	5	7	11	19	33	15	15	17	17	14	13	11	20	9	30	12	29	27	23	23	23	20	24	16.5
13	15	11	10	17	13	14	22	AZ	AZ	14	11	6	10	13	19	7	9	9	8	11	17	21	30	33	22	14.5
14	24	20	23	46	25	35	44	54	54	37	26	21	18	28	28	19	16	23	33	34	42	41	41	38	24	32.1
15	29	20	13	18	15	18	25	20	20	12	19	18	21	28	32	34	36	26	32	39	40	51	51	52	24	27.9
16	48	56	52	21	21	21	26	25	24	28	31	25	37	36	40	42	41	40	33	34	40	46	33	31	24	34.6
17	35	33	30	30	27	33	28	31	23	23	12	19	15	19	16	21	25	19	29	31	42	62	47	43	24	28.9
18	48	35	45	34	29	37	42	41	40	40	37	29	31	32	30	28	24	21	30	30	36	30	30	27	24	33.6
19	23	27	25	37	35	43	61	41	36	41	40	35	39	38	39	30	28	23	28	36	22	14	13	11	24	31.9
20	9	8	8	10	12	31	30	41	20	83	6	5	2	2	4	7	6	5	7	5	5	4	4	6	24	13.3
21	4	2	2	5	7	8	18	15	11	6	7	8	5	2	2	6	9	4	2	2	2	2	2	2	24	5.5
22	2	2	9	9	6	8	14	15	13	9	9	6	4	5	2	6	8	6	6	7	21	25	29	23	24	10.2
23	22	25	28	27	28	19	19	23	12	14	13	8	9	11	10	18	16	14	10	9	29	34	51	42	24	20.5
24	36	29	46	31	27	34	38	24	28	21	24	19	19	15	20	17	26	27	23	29	32	34	38	48	24	28.5
25	54	43	39	38	38	45	47	54	52	51	36	25	26	25	23	22	24	20	20	25	39	45	34	42	24	36.1
26	46	46	30	41	38	46	54	51	34	33	31	35	28	31	33	31	22	30	39	42	39	52	51	51	24	38.9
27	55	41	32	21	30	54	53	49	45	40	37	48	21	34	45	63	26	51	15	12	6	5	4	4	24	33.0
28	2	6	6	4	7	12	17	18	21	17	14	BA	14	14	23	19	12	14	17	20	12	17	11	9	23	13.3
29	6	5	4	2	2	4	8	9	10	11	9	6	5	7	9	11	22	23	33	40	39	32	34	33	24	15.2
30	17	9	9	10	11	13	34	26	11	9	10	8	9	14	13	13	10	17	13	22	29	25	25	28	24	16.0
31																									0	
NO.:	30	30	30	30	30	30	30	29	29	30	29	28	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	57.	56.	52.	46.	38.	54.	61.	55.	54.	83.	242.	765.	1000.	925.	654.	482.	418.	430.	372.	44.	64.	63.	59.	57.		
AVG:	26.8	23.9	23.7	22.8	21.6	26.2	31.1	31.1	27.6	28.0	28.8	46.4	52.5	51.8	44.8	37.3	34.9	35.3	34.9	24.8	28.0	29.7	29.8	28.6		

MONTHLY OBSERVATIONS: 715 MONTHLY MEAN: 32.1 MONTHLY MAX: 1000.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-029-0015 POC: 1
COUNTY: (029) Kern
CITY: (60704) Ridgecrest
SITE ADDRESS: 100 WEST CALIFORNIA AVE, RIDGECREST, CA
SITE COMMENTS: CARB SITE NUMBER 15-300.
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (033) SOUTHEAST DESERT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.623889
LONGITUDE: -117.677222
UTM ZONE: 11
UTM NORTHING: 3942245
UTM EASTING: 438673
ELEVATION-MSL: 701
PROBE HEIGHT: 3

SUPPORT AGENCY: (0575) Kern County APCD
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				15								
3												
4												
5												
6												
7												
8				13								
9												
10												
11												
12												
13												
14				14								
15												
16												
17												
18												
19												
20				11								
21												
22												
23												
24												
25												
26				19								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				19.								
MEAN:				14.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 14.4 ANNUAL MAX: 19.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-029-0015 POC: 1
COUNTY: (029) Kern
CITY: (60704) Ridgecrest
SITE ADDRESS: 100 WEST CALIFORNIA AVE, RIDGECREST, CA
SITE COMMENTS: CARB SITE NUMBER 15-300.
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (033) SOUTHEAST DESERT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 35.623889
LONGITUDE: -117.677222
UTM ZONE: 11
UTM NORTHING: 3942245
UTM EASTING: 438673
ELEVATION-MSL: 701
PROBE HEIGHT:

SUPPORT AGENCY: (0575) Kern County APCD
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				14								
3												
4												
5												
6												
7												
8				13								
9												
10												
11												
12												
13												
14				13								
15												
16												
17												
18												
19												
20				11								
21												
22												
23												
24												
25												
26				18								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				18.								
MEAN:				13.8								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 13.8 ANNUAL MAX: 18.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-029-0017 POC: 1
COUNTY: (029) Kern
CITY: (00000) Not in a city
SITE ADDRESS: 3147 Highway 178, Canebrake
SITE COMMENTS:
MONITOR COMMENTS: PM10 SSI HI-VOL SAMPLER

STATE: (06) California
AQCR: (033) SOUTHEAST DESERT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: DESERT
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.7277796549
LONGITUDE: -118.13931200
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 914.4
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: NON-REGULATORY
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				6								
3												
4												
5												
6				3								
7												
8				AN								
9												
10												
11												
12												
13												
14				AG								
15												
16												
17												
18												
19												
20				19								
21												
22												
23												
24												
25												
26				14								
27												
28												
29												
30												
31												
NO.:	0	0	0	4	0	0	0	0	0	0	0	0
MAX:				19.								
MEAN:				10.5								

ANNUAL OBSERVATIONS: 4 ANNUAL MEAN: 10.5 ANNUAL MAX: 19.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-029-0017 POC: 1
COUNTY: (029) Kern
CITY: (00000) Not in a city
SITE ADDRESS: 3147 Highway 178, Canebrake
SITE COMMENTS:
MONITOR COMMENTS: PM10 SSI HI-VOL SAMPLER

STATE: (06) California
AQCR: (033) SOUTHEAST DESERT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: DESERT
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 35.7277796549
LONGITUDE: -118.13931200
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 914.4
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: NON-REGULATORY
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				5								
3												
4												
5												
6				2								
7												
8				AN								
9												
10												
11												
12												
13												
14				AG								
15												
16												
17												
18												
19												
20				18								
21												
22												
23												
24												
25												
26				13								
27												
28												
29												
30												
31												
NO.:	0	0	0	4	0	0	0	0	0	0	0	0
MAX:				18.								
MEAN:				9.5								

ANNUAL OBSERVATIONS: 4 ANNUAL MEAN: 9.5 ANNUAL MAX: 18.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-029-0232 POC: 2
COUNTY: (029) Kern
CITY: (53448) Oildale
SITE ADDRESS: 3311 MANOR ST., OILDALE
SITE COMMENTS: ARB SITE NUMBER 1500243 NEW SITE 10/83.
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0680) BAKERSFIELD, CA
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.438889
LONGITUDE: -119.015833
UTM ZONE: 11
UTM NORTHING: 3923383
UTM EASTING: 317022
ELEVATION-MSL: 180
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				20								
3												
4												
5												
6												
7												
8				37								
9												
10												
11												
12												
13												
14				22								
15												
16												
17												
18												
19												
20				10								
21												
22												
23												
24												
25												
26				38								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				38.								
MEAN:				25.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 25.4 ANNUAL MAX: 38.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-029-0232 POC: 1
COUNTY: (029) Kern
CITY: (53448) Oildale
SITE ADDRESS: 3311 MANOR ST., OILDALE
SITE COMMENTS: ARB SITE NUMBER 1500243 NEW SITE 10/83.
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0680) BAKERSFIELD, CA
LAND USE: INDUSTRIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 35.438889
LONGITUDE: -119.015833
UTM ZONE: 11
UTM NORTHING: 3923383
UTM EASTING: 317022
ELEVATION-MSL: 180
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				21								
3												
4												
5												
6												
7												
8				37								
9												
10												
11												
12												
13												
14				23								
15												
16												
17												
18												
19												
20				10								
21												
22												
23												
24												
25												
26				37								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				37.								
MEAN:				25.6								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 25.6 ANNUAL MAX: 37.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-029-9001 POC: 1
COUNTY: (029) Kern
CITY: (40956) Lebec
SITE ADDRESS: PEACE VALLEY RD/FRAZIER PARK MTN RD, LEBEC
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 34.821944
LONGITUDE: -118.886667
UTM ZONE: 11
UTM NORTHING: 3854723.17
UTM EASTING: 327451.5
ELEVATION-MSL: 1
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: IMPROVE
COLLECTION AND ANALYSIS METHOD: (808) IMPROVE Module D with Cyclone Inle
PQAO: () Not Found

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				8.172								
3												
4												
5				2.238								
6												
7												
8				6.205								
9												
10												
11				13.817								
12												
13												
14				9.304								
15												
16												
17				14.843								
18												
19												
20				5.723								
21												
22												
23				3.841								
24												
25												
26				14.614								
27												
28												
29				5.057								
30												
31												
NO.:	0	0	0	10	0	0	0	0	0	0	0	0
MAX:				14.843								
MEAN:				8.3814								

ANNUAL OBSERVATIONS: 10 ANNUAL MEAN: 8.3814 ANNUAL MAX: 14.843

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-031-0004 POC: 1
COUNTY: (031) Kings
CITY: (16224) Corcoran
SITE ADDRESS: 1520 PATTERSON AV., CORCORAN
SITE COMMENTS: SITE IS PARALLEL MONITOR TO 06-031-0003 WHICH IS TO BE CLOSED MID 97
MONITOR COMMENTS: PARALLEL SITE TO 06-031-0003. GMW HI-VOL SA 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.101389
LONGITUDE: -119.565833
UTM ZONE: 11
UTM NORTHING: 3998073
UTM EASTING: 269015
ELEVATION-MSL: 61
PROBE HEIGHT: 6

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				17								
3												
4												
5												
6												
7												
8				26								
9												
10												
11												
12												
13												
14				18								
15												
16												
17												
18												
19												
20				7								
21												
22												
23												
24												
25												
26				36								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				36.								
MEAN:				20.8								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 20.8 ANNUAL MAX: 36.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-031-0004 POC: 3
COUNTY: (031) Kings
CITY: (16224) Corcoran
SITE ADDRESS: 1520 PATTERSON AV., CORCORAN
SITE COMMENTS: SITE IS PARALLEL MONITOR TO 06-031-0003 WHICH IS TO BE CLOSED MID 97
MONITOR COMMENTS: GMW HI-VOL SSI SIERRA ANDERSON COLLOCATED

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.101389
LONGITUDE: -119.565833
UTM ZONE: 11
UTM NORTHING: 3998073
UTM EASTING: 269015
ELEVATION-MSL: 61
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				17								
3												
4												
5												
6												
7												
8				25								
9												
10												
11												
12												
13												
14				18								
15												
16												
17												
18												
19												
20				7								
21												
22												
23												
24												
25												
26				36								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				36.								
MEAN:				20.6								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 20.6 ANNUAL MAX: 36.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-031-0004 POC: 4
COUNTY: (031) Kings
CITY: (16224) Corcoran
SITE ADDRESS: 1520 PATTERSON AV., CORCORAN
SITE COMMENTS: SITE IS PARALLEL MONITOR TO 06-031-0003 WHICH IS TO BE CLOSED MID 97
MONITOR COMMENTS: GMW HI-VOL SSI SIERRA ANDERSON ALTERNATE 6 DAY SAMPLING

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.101389
LONGITUDE: -119.565833
UTM ZONE: 11
UTM NORTHING: 3998073
UTM EASTING: 269015
ELEVATION-MSL: 61
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3												
4												
5				7								
6												
7												
8												
9												
10												
11				AG								
12												
13				12								
14												
15												
16												
17				19								
18												
19												
20												
21												
22												
23				21								
24												
25												
26												
27												
28												
29				15								
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				21.								
MEAN:				14.8								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 14.8 ANNUAL MAX: 21.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-031-0004 POC: 7
COUNTY: (031) Kings
CITY: (16224) Corcoran
SITE ADDRESS: 1520 PATTERSON AV., CORCORAN
SITE COMMENTS: SITE IS PARALLEL MONITOR TO 06-031-0003 WHICH IS TO BE CLOSED MID 97
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.101389
LONGITUDE: -119.565833
UTM ZONE: 11
UTM NORTHING: 3998073
UTM EASTING: 269015
ELEVATION-MSL: 61
PROBE HEIGHT: 5

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (079) INSTRUMENTAL-R&P SA246B-INLET TEOM
PQAO: (0145) California Air Resources Board

REPORT FOR: APRIL 2010

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: -50

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MEAN
1	7	8	9	15	11	12	14	16	16	12	10	6	7	4	9	9	11	20	18	25	21	18	17	12	24	12.8
2	9	9	10	9	14	11	17	19	12	11	10	9	12	9	10	15	15	18	19	33	47	31	34	29	24	17.2
3	27	21	19	19	14	12	17	16	15	26	21	21	20	15	14	14	19	21	21	32	39	28	23	21	24	20.6
4	18	12	12	14	15	18	20	18	21	21	24	25	14	14	32	22	17	21	22	25	12	7	12	12	24	17.8
5	13	11	16	11	8	AQ	5	4	5	4	3	4	2	2	4	3	4	7	15	11	11	12	11	13	23	7.8
6	13	10	9	8	8	10	14	18	9	7	BA	BA	BA	22	21	19	19	19	20	22	22	18	18	13	21	15.2
7	12	12	12	31	48	43	23	21	19	17	13	12	17	20	23	15	15	21	25	29	35	30	31	22	24	22.8
8	19	17	15	17	17	35	32	38	23	20	19	17	23	14	13	19	18	18	40	49	33	27	22	21	24	23.6
9	19	19	19	19	19	20	20	19	27	24	27	28	29	27	24	26	28	32	28	35	49	39	32	26	24	26.5
10	24	24	28	25	20	21	29	27	49	57	55	48	38	33	31	33	31	34	33	30	29	28	32	35	24	33.1
11	37	33	29	26	33	33	32	37	28	28	30	28	33	89	425	113	69	AV	AV	AV	AV	AV	AQ	1	18	61.3
12	4	5	5	7	12	12	14	11	4	9	14	9	16	5	4	6	14	20	21	18	12	10	7	7	24	10.3
13	6	5	5	17	10	14	13	13	10	9	6	3	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	12	9.3
14	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	14	18	18	24	25	14	14	13	9	9	16.6
15	10	9	9	9	11	15	26	14	14	17	AQ	AQ	AQ	AQ	19	21	26	27	29	32	35	36	27	22	20	20.4
16	26	22	21	20	19	22	20	19	24	25	27	26	23	22	22	21	21	26	32	28	25	20	19	20	24	22.9
17	13	10	10	10	11	12	14	15	15	19	16	19	16	22	18	18	19	19	21	28	29	26	22	20	24	17.6
18	18	17	12	14	14	18	26	20	21	13	9	12	16	19	19	21	24	27	33	39	24	24	19	21	24	20.0
19	30	17	17	19	21	24	32	39	33	24	20	28	29	19	18	32	49	29	22	10	11	15	18	16	24	23.8
20	14	14	10	9	11	18	16	22	33	5	1	3	3	1	3	1	4	4	3	4	3	5	3	5	24	8.1
21	4	4	2	3	4	8	14	10	7	6	3	1	1	6	5	3	1	2	2	4	5	4	1	6	24	4.4
22	5	3	6	4	5	7	9	6	6	5	5	7	8	7	7	6	9	8	8	19	20	14	10	14	24	8.3
23	11	11	9	10	12	15	21	16	10	9	8	9	9	9	11	15	14	12	15	21	36	37	36	19	24	15.6
24	11	21	22	21	13	20	22	23	18	14	20	19	15	16	23	21	21	23	29	24	22	23	20	19	24	20.0
25	24	19	18	17	18	19	22	14	23	23	20	19	18	24	21	17	25	30	34	36	29	23	27	25	24	22.7
26	24	29	33	25	28	35	37	45	32	36	28	33	30	19	27	28	33	39	40	50	38	36	29	23	24	32.4
27	20	14	13	12	20	20	23	23	BA	27	26	38	42	37	74	49	39	26	20	6	2	2	1	5	23	23.4
28	7	7	10	11	11	21	19	16	12	13	10	12	12	14	21	11	12	39	18	15	13	11	9	7	24	13.8
29	5	4	6	8	7	11	14	10	7	9	12	11	15	15	19	38	66	57	37	33	27	19	12	10	24	18.8
30	13	13	12	9	7	15	23	14	13	13	15	15	16	18	25	19	22	22	26	28	38	38	23	19	24	19.0
31																									0	
NO.:	29	29	29	29	29	28	29	29	28	29	27	27	26	27	28	29	29	28	28	28	28	28	28	29		
MAX:	37.	33.	33.	31.	48.	43.	37.	45.	49.	57.	55.	48.	42.	89.	425.	113.	69.	57.	40.	50.	49.	39.	36.	35.		
AVG:	15.3	13.8	13.7	14.4	15.2	18.6	20.3	19.4	18.1	17.3	16.7	17.1	17.8	18.6	33.6	21.7	22.9	22.8	23.4	25.4	24.3	21.3	18.9	16.3		

MONTHLY OBSERVATIONS: 678 MONTHLY MEAN: 19.4 MONTHLY MAX: 425.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-031-0004 POC: 1
COUNTY: (031) Kings
CITY: (16224) Corcoran
SITE ADDRESS: 1520 PATTERSON AV., CORCORAN
SITE COMMENTS: SITE IS PARALLEL MONITOR TO 06-031-0003 WHICH IS TO BE CLOSED MID 97
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.101389
LONGITUDE: -119.565833
UTM ZONE: 11
UTM NORTHING: 3998073
UTM EASTING: 269015
ELEVATION-MSL: 61
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				18								
3												
4												
5												
6												
7												
8				27								
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26				36								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				36.								
MEAN:				21.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 21.4 ANNUAL MAX: 36.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-031-0004 POC: 3
COUNTY: (031) Kings
CITY: (16224) Corcoran
SITE ADDRESS: 1520 PATTERSON AV., CORCORAN
SITE COMMENTS: SITE IS PARALLEL MONITOR TO 06-031-0003 WHICH IS TO BE CLOSED MID 97
MONITOR COMMENTS: GMW HI-VOL SSI SIERRA ANDERSON COLLOCATED

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.101389
LONGITUDE: -119.565833
UTM ZONE: 11
UTM NORTHING: 3998073
UTM EASTING: 269015
ELEVATION-MSL: 61
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				18								
3												
4												
5												
6												
7												
8				26								
9												
10												
11												
12												
13												
14				18								
15												
16												
17												
18												
19												
20				7								
21												
22												
23												
24												
25												
26				37								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				37.								
MEAN:				21.2								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 21.2 ANNUAL MAX: 37.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-031-0004 POC: 4
COUNTY: (031) Kings
CITY: (16224) Corcoran
SITE ADDRESS: 1520 PATTERSON AV., CORCORAN
SITE COMMENTS: SITE IS PARALLEL MONITOR TO 06-031-0003 WHICH IS TO BE CLOSED MID 97
MONITOR COMMENTS: GMW HI-VOL SSI SIERRA ANDERSON ALTERNATE 6 DAY SAMPLING

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.101389
LONGITUDE: -119.565833
UTM ZONE: 11
UTM NORTHING: 3998073
UTM EASTING: 269015
ELEVATION-MSL: 61
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3												
4												
5				7								
6												
7												
8												
9												
10												
11				AG								
12												
13				12								
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15												
16												
17				19								
18												
19												
20												
21												
22												
23				21								
24												
25												
26												
27												
28												
29				15								
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				21.								
MEAN:				14.8								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 14.8 ANNUAL MAX: 21.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-031-0004 POC: 7
COUNTY: (031) Kings
CITY: (16224) Corcoran
SITE ADDRESS: 1520 PATTERSON AV., CORCORAN
SITE COMMENTS: SITE IS PARALLEL MONITOR TO 06-031-0003 WHICH IS TO BE CLOSED MID 97
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.101389
LONGITUDE: -119.565833
UTM ZONE: 11
UTM NORTHING: 3998073
UTM EASTING: 269015
ELEVATION-MSL: 61
PROBE HEIGHT: 5

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (079) INSTRUMENTAL-R&P SA246B-INLET TEOM
PQAO: (0145) California Air Resources Board

REPORT FOR: APRIL 2010

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: -50

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MEAN
1	8	8	9	16	12	12	15	17	16	13	10	7	8	4	10	10	11	21	18	26	22	19	18	13	24	13.5
2	9	9	10	10	15	12	18	20	13	11	11	10	12	9	10	15	16	19	20	34	49	32	35	30	24	17.9
3	28	22	20	20	15	12	17	17	16	27	22	22	20	15	14	15	20	21	22	34	40	29	24	22	24	21.4
4	19	13	13	15	16	19	21	19	22	22	25	26	14	14	33	23	18	22	22	26	13	7	13	13	24	18.7
5	13	11	17	11	8	0	5	4	5	4	3	4	2	2	4	3	4	7	15	11	11	13	12	13	24	7.6
6	13	10	10	9	8	11	15	19	10	8	BA	BA	BA	23	21	19	20	19	21	23	23	19	19	14	21	15.9
7	12	13	13	33	51	46	24	22	20	18	14	12	17	21	23	16	15	21	26	30	36	31	32	23	24	23.7
8	20	18	15	17	18	37	34	40	24	20	19	17	23	14	13	19	18	18	40	49	34	28	22	22	24	24.1
9	20	19	20	20	20	21	20	19	28	25	28	28	30	27	24	26	28	32	28	35	50	39	33	27	24	27.0
10	24	25	29	25	21	22	30	28	51	58	56	49	39	33	32	34	31	35	34	31	29	29	33	36	24	33.9
11	38	35	30	27	34	34	33	38	29	29	30	29	33	89	428	114	70	AV	AV	AV	AV	AV	0	2	19	59.1
12	5	6	6	8	13	13	15	12	5	10	15	9	16	5	4	6	14	20	22	19	13	10	7	8	24	10.9
13	7	5	5	18	10	15	14	13	11	9	6	3	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	12	9.7
14	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	14	18	18	24	26	15	14	14	10	9	17.0
15	10	9	10	9	12	15	27	14	15	18	18	19	21	24	19	21	27	27	30	32	36	36	28	23	24	20.8
16	26	23	21	21	19	23	21	20	25	25	28	26	24	22	22	21	21	26	33	29	25	21	20	20	24	23.4
17	14	10	10	10	12	13	15	15	16	20	16	19	16	22	18	18	19	19	21	28	29	26	22	20	24	17.8
18	19	17	13	14	15	18	27	20	22	13	9	12	16	19	19	21	23	27	33	39	24	24	19	21	24	20.2
19	30	18	18	20	21	25	33	40	33	24	20	28	28	19	18	32	48	29	23	10	11	15	18	17	24	24.1
20	14	14	10	9	11	19	16	22	33	5	1	3	3	1	3	1	4	4	4	5	3	5	3	5	24	8.3
21	5	4	3	3	4	8	15	10	7	6	3	1	1	7	5	3	2	2	2	4	5	4	1	7	24	4.7
22	5	3	6	5	5	7	10	6	6	6	5	7	8	7	7	6	9	9	8	20	21	15	11	15	24	8.6
23	12	11	9	11	12	16	22	17	11	10	8	9	10	10	11	15	15	12	16	21	37	38	37	20	24	16.3
24	11	21	23	22	14	21	23	24	19	14	20	19	16	16	23	21	21	24	29	24	23	23	20	20	24	20.5
25	25	20	19	18	19	20	23	14	23	24	20	19	18	24	21	17	25	30	34	36	29	23	27	26	24	23.1
26	24	30	34	25	29	36	39	46	33	37	28	33	30	19	27	28	33	39	40	49	38	36	30	24	24	32.8
27	20	14	14	12	20	20	24	24	BA	27	26	38	42	37	74	49	39	26	20	6	2	2	1	5	23	23.6
28	7	8	10	11	12	22	19	17	13	14	10	12	12	14	22	12	13	40	18	15	14	12	9	7	24	14.3
29	6	4	7	8	8	12	15	10	7	9	13	11	16	16	20	39	68	58	38	34	28	20	13	11	24	19.6
30	14	14	13	9	7	16	24	15	14	14	15	15	17	18	26	19	23	22	26	28	39	39	23	20	24	19.6
31																									0	
NO.:	29	29	29	29	29	29	29	29	28	29	28	28	27	28	28	29	29	28	28	28	28	28	29	29		
MAX:	38.	35.	34.	33.	51.	46.	39.	46.	51.	58.	56.	49.	42.	89.	428.	114.	70.	58.	40.	49.	50.	39.	37.	36.		
AVG:	15.8	14.3	14.4	15.0	15.9	18.8	21.2	20.1	18.8	17.9	17.1	17.4	18.2	19.0	34.0	22.0	23.2	23.1	23.8	25.9	25.0	21.8	18.8	17.0		

MONTHLY OBSERVATIONS: 684 MONTHLY MEAN: 19.9 MONTHLY MAX: 428.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-031-0500 POC: 1
COUNTY: (031) Kings
CITY: (70122) Santa Rosa Rancheria
SITE ADDRESS: 17225 Jersey Ave.
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 36.233318
LONGITUDE: -119.765251
UTM ZONE: 11
UTM NORTHING: 4013172.63
UTM EASTING: 251475.44
ELEVATION-MSL: 68
PROBE HEIGHT:

SUPPORT AGENCY: (542) Santa Rosa Indian Community of Santa Rosa Rancheria, CA
MONITOR TYPE: TRIBAL MONITORS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				20								
3												
4												
5												
6												
7												
8				19								
9												
10												
11												
12												
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14				16								
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20				10								
21												
22												
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24												
25												
26				27								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				27.								
MEAN:				18.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 18.4 ANNUAL MAX: 27.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-031-0500 POC: 1
COUNTY: (031) Kings
CITY: (70122) Santa Rosa Rancheria
SITE ADDRESS: 17225 Jersey Ave.
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER:
LATITUDE: 36.233318
LONGITUDE: -119.765251
UTM ZONE: 11
UTM NORTHING: 4013172.63
UTM EASTING: 251475.44
ELEVATION-MSL: 68
PROBE HEIGHT:

SUPPORT AGENCY: (542) Santa Rosa Indian Community of Santa Rosa Rancheria, CA
MONITOR TYPE: TRIBAL MONITORS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				20								
3												
4												
5												
6												
7												
8				19								
9												
10												
11												
12												
13												
14				16								
15												
16												
17												
18												
19												
20				10								
21												
22												
23												
24												
25												
26				27								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				27.								
MEAN:				18.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 18.4 ANNUAL MAX: 27.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-031-1004 POC: 1
COUNTY: (031) Kings
CITY: (31960) Hanford
SITE ADDRESS: 807 SOUTH IRWIN ST., HANFORD
SITE COMMENTS: RELOCATED HANFORD-CAMPUS SITE & ADDED NO2 MONITORING ARB #1600716
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.314444
LONGITUDE: -119.643611
UTM ZONE: 11
UTM NORTHING: 4021869
UTM EASTING: 262656
ELEVATION-MSL: 99
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				16								
3												
4												
5												
6												
7												
8				20								
9												
10												
11												
12												
13												
14				17								
15												
16												
17												
18												
19												
20				8								
21												
22												
23												
24												
25												
26				38								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				38.								
MEAN:				19.8								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 19.8 ANNUAL MAX: 38.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-031-1004 POC: 1
COUNTY: (031) Kings
CITY: (31960) Hanford
SITE ADDRESS: 807 SOUTH IRWIN ST., HANFORD
SITE COMMENTS: RELOCATED HANFORD-CAMPUS SITE & ADDED NO2 MONITORING ARB #1600716
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 36.314444
LONGITUDE: -119.643611
UTM ZONE: 11
UTM NORTHING: 4021869
UTM EASTING: 262656
ELEVATION-MSL: 99
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				16								
3												
4												
5												
6												
7												
8				20								
9												
10												
11												
12												
13												
14				18								
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17												
18												
19												
20				9								
21												
22												
23												
24												
25												
26				39								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				39.								
MEAN:				20.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 20.4 ANNUAL MAX: 39.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-047-2510 POC: 1
COUNTY: (047) Merced
CITY: (46898) Merced
SITE ADDRESS: 2334 'M' ST. MERCED, CA
SITE COMMENTS:
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (4940) MERCED, CA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 37.309167
LONGITUDE: -120.480556
UTM ZONE: 10
UTM NORTHING: 4131943
UTM EASTING: 723284
ELEVATION-MSL: 58
PROBE HEIGHT: 2

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				12								
3												
4												
5												
6												
7												
8				17								
9												
10												
11												
12												
13												
14				14								
15												
16												
17												
18												
19												
20				8								
21												
22												
23												
24												
25												
26				24								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				24.								
MEAN:				15.0								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 15.0 ANNUAL MAX: 24.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-047-2510 POC: 1
COUNTY: (047) Merced
CITY: (46898) Merced
SITE ADDRESS: 2334 'M' ST. MERCED, CA
SITE COMMENTS:
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (4940) MERCED, CA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 37.309167
LONGITUDE: -120.480556
UTM ZONE: 10
UTM NORTHING: 4131943
UTM EASTING: 723284
ELEVATION-MSL: 58
PROBE HEIGHT: 2

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				13								
3												
4												
5												
6												
7												
8				18								
9												
10												
11												
12												
13												
14				15								
15												
16												
17												
18												
19												
20				8								
21												
22												
23												
24												
25												
26				24								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				24.								
MEAN:				15.6								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 15.6 ANNUAL MAX: 24.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-077-1002 POC: 2
COUNTY: (077) San Joaquin
CITY: (75000) Stockton
SITE ADDRESS: HAZELTON-HD, STOCKTON
SITE COMMENTS: ARB SITE NUMBER 3900252 STILL OPERATING
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (8120) STOCKTON, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 37.950833
LONGITUDE: -121.2675
UTM ZONE: 10
UTM NORTHING: 4201570
UTM EASTING: 652220
ELEVATION-MSL: 19
PROBE HEIGHT: 5

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				11								
3												
4												
5												
6												
7												
8				20								
9												
10												
11												
12												
13												
14				15								
15												
16												
17												
18												
19												
20				6								
21												
22												
23												
24												
25												
26				24								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				24.								
MEAN:				15.2								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 15.2 ANNUAL MAX: 24.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-077-1002 POC: 1
COUNTY: (077) San Joaquin
CITY: (75000) Stockton
SITE ADDRESS: HAZELTON-HD, STOCKTON
SITE COMMENTS: ARB SITE NUMBER 3900252 STILL OPERATING
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (8120) STOCKTON, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 37.950833
LONGITUDE: -121.2675
UTM ZONE: 10
UTM NORTHING: 4201570
UTM EASTING: 652220
ELEVATION-MSL: 19
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				12								
3												
4												
5												
6												
7												
8				21								
9												
10												
11												
12												
13												
14				16								
15												
16												
17												
18												
19												
20				6								
21												
22												
23												
24												
25												
26				25								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				25.								
MEAN:				16.0								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 16.0 ANNUAL MAX: 25.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-077-3005 POC: 3
COUNTY: (077) San Joaquin
CITY: (80238) Tracy
SITE ADDRESS: 5749 S. TRACY BLVD., TRACY
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 37.6825
LONGITUDE: -121.44056
UTM ZONE: 10
UTM NORTHING: 4171527.87
UTM EASTING: 637510.59
ELEVATION-MSL: 30
PROBE HEIGHT: 5

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (079) INSTRUMENTAL-R&P SA246B-INLET TEOM
PQAO: (0145) California Air Resources Board

REPORT FOR: APRIL 2010

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: -50

DAY	HOUR 0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MEAN
1	5	7	6	5	4	6	6	4	5	6	8	7	5	4	9	11	10	11	12	15	14	12	12	10	24	8.1
2	11	12	8	10	13	13	10	14	33	19	18	16	25	23	10	7	4	8	4	10	25	21	16	14	24	14.3
3	16	18	12	18	16	15	16	14	11	10	10	10	11	15	9	11	15	17	16	11	13	11	11	13	24	13.3
4	12	11	10	6	14	13	9	12	13	11	6	7	12	11	17	6	9	7	9	9	8	1	3	7	24	9.3
5	4	7	3	8	8	5	8	6	8	5	11	8	2	7	12	9	9	13	14	10	13	14	11	11	24	8.6
6	10	11	9	8	7	8	15	13	7	9	9	11	7	7	10	6	11	11	11	7	6	7	7	5	24	8.8
7	3	5	5	7	7	8	7	8	8	9	7	8	12	9	11	8	13	18	18	10	9	9	11	4	24	8.9
8	7	5	18	9	9	31	17	30	23	BA	BA	15	21	19	22	19	20	22	19	23	25	17	20	14	22	18.4
9	13	10	8	10	9	10	11	13	18	18	25	27	25	24	22	20	24	26	25	30	23	20	18	22	24	18.8
10	18	15	15	14	17	19	20	25	22	19	20	16	18	18	21	22	26	27	27	25	22	24	26	28	24	21.0
11	24	23	20	27	26	23	30	29	27	28	32	36	31	23	6	0	0	10	7	7	4	7	6	6	24	18.0
12	3	5	4	4	5	3	6	11	3	4	3	3	8	4	5	7	7	9	8	8	10	9	11	11	24	6.3
13	6	2	6	6	7	7	7	10	9	11	11	8	9	12	16	17	18	17	19	17	16	15	19	15	24	11.7
14	17	15	18	17	19	18	20	23	25	15	14	15	18	7	12	19	19	17	17	15	11	10	11	7	24	15.8
15	11	10	6	13	7	16	15	9	10	10	9	14	13	16	17	20	20	25	24	18	18	11	17	14	24	14.3
16	17	14	15	20	20	10	17	27	19	11	9	9	5	13	9	9	15	10	13	9	7	10	14	15	24	13.2
17	10	12	13	6	6	9	9	10	7	10	0	6	6	6	13	14	16	11	19	10	11	7	5	5	24	9.2
18	4	7	19	11	7	5	20	13	21	18	14	11	12	21	16	16	19	21	27	8	14	15	16	19	24	14.8
19	19	20	21	17	16	17	16	24	18	26	26	26	36	21	15	17	18	31	22	16	22	24	20	22	24	21.3
20	16	18	17	19	0	3	0	3	7	4	5	3	5	9	10	13	11	10	12	8	8	6	8	7	24	8.4
21	6	4	4	6	4	3	4	5	11	7	10	2	4	1	0	4	4	0	10	4	9	10	15	15	24	5.9
22	12	5	10	14	10	9	15	13	9	11	14	11	10	8	11	15	21	17	16	16	15	13	10	10	24	12.3
23	7	7	9	10	9	16	27	30	21	18	16	11	14	11	17	17	24	32	31	9	12	16	17	18	24	16.6
24	14	19	15	17	22	15	24	28	28	16	12	19	26	24	21	24	22	24	24	17	6	14	15	12	24	19.1
25	13	11	26	19	18	10	15	9	18	19	19	18	13	17	14	15	17	17	28	15	24	15	0	7	24	15.7
26	9	10	34	22	5	29	25	14	51	22	26	12	28	20	26	42	25	22	21	17	14	28	22	15	24	22.5
27	22	23	14	15	13	23	15	11	7	8	0	4	20	8	0	37	1	4	10	17	17	16	14	16	24	13.1
28	8	16	13	12	15	7	10	8	4	1	5	13	12	2	9	15	22	17	9	10	9	8	7	9	24	10.0
29	7	6	5	5	5	6	5	2	4	1	BA	10	3	0	4	25	28	32	3	13	12	7	4	3	23	8.3
30	5	2	4	3	2	4	6	16	38	28	26	19	13	6	7	13	17	15	8	11	9	11	13	6	24	11.8
31																									0	
NO.:	30	30	30	30	30	30	30	30	30	29	28	30	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	24.	23.	34.	27.	26.	31.	30.	30.	51.	28.	32.	36.	36.	24.	26.	42.	28.	32.	31.	30.	25.	28.	26.	28.		
AVG:	11.0	11.0	12.2	11.9	10.7	12.0	13.5	14.5	16.2	12.9	13.0	12.5	14.1	12.2	12.4	15.3	15.5	16.7	16.1	13.2	13.5	12.9	12.6	12.0		

MONTHLY OBSERVATIONS: 717 MONTHLY MEAN: 13.2 MONTHLY MAX: 51.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-077-3005 POC: 3
COUNTY: (077) San Joaquin
CITY: (80238) Tracy
SITE ADDRESS: 5749 S. TRACY BLVD., TRACY
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 37.6825
LONGITUDE: -121.44056
UTM ZONE: 10
UTM NORTHING: 4171527.87
UTM EASTING: 637510.59
ELEVATION-MSL: 30
PROBE HEIGHT: 5

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (079) INSTRUMENTAL-R&P SA246B-INLET TEOM
PQAO: (0145) California Air Resources Board

REPORT FOR: APRIL 2010

DURATION: 1 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: -50

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MEAN
1	5	7	6	5	4	6	6	4	5	6	8	7	5	4	9	11	10	11	12	15	14	12	12	10	24	8.1
2	11	12	8	10	13	13	10	14	33	19	18	16	25	23	10	7	4	8	4	10	25	21	16	14	24	14.3
3	16	18	12	18	16	15	16	14	11	10	10	10	11	15	9	11	15	17	16	11	13	11	11	13	24	13.3
4	12	11	10	6	14	13	9	12	13	11	6	7	12	11	17	6	9	7	9	9	8	1	3	7	24	9.3
5	4	7	3	8	8	5	8	6	8	5	11	8	2	7	12	9	9	13	14	10	13	14	11	11	24	8.6
6	10	11	9	8	7	8	15	13	7	9	9	11	7	7	10	6	11	11	11	7	6	7	7	5	24	8.8
7	3	5	5	7	7	8	7	8	8	9	7	8	12	9	11	8	13	18	18	10	9	9	11	4	24	8.9
8	7	5	18	9	9	31	17	30	23	BA	BA	15	21	19	22	19	20	22	19	23	25	17	20	14	22	18.4
9	13	10	8	10	9	10	11	13	18	18	25	27	25	24	22	20	24	26	25	30	23	20	18	22	24	18.8
10	18	15	15	14	17	19	20	25	22	19	20	16	18	18	21	22	26	27	27	25	22	24	26	28	24	21.0
11	24	23	20	27	26	23	30	29	27	28	32	36	31	23	6	0	0	10	7	7	4	7	6	6	24	18.0
12	3	5	4	4	5	3	6	11	3	4	3	3	8	4	5	7	7	9	8	8	10	9	11	11	24	6.3
13	6	2	6	6	7	7	7	10	9	11	11	8	9	12	16	17	18	17	19	17	16	15	19	15	24	11.7
14	17	15	18	17	19	18	20	23	25	15	14	15	18	7	12	19	19	17	17	15	11	10	11	7	24	15.8
15	11	10	6	13	7	16	15	9	10	10	9	14	13	16	17	20	20	25	24	18	18	11	17	14	24	14.3
16	17	14	15	20	20	10	17	27	19	11	9	9	5	13	9	9	15	10	13	9	7	10	14	15	24	13.2
17	10	12	13	6	6	9	9	10	7	10	0	6	6	6	13	14	16	11	19	10	11	7	5	5	24	9.2
18	4	7	19	11	7	5	20	13	21	18	14	11	12	21	16	16	19	21	27	8	14	15	16	19	24	14.8
19	19	20	21	17	16	17	16	24	18	26	26	26	36	21	15	17	18	31	22	16	22	24	20	22	24	21.3
20	16	18	17	19	0	3	0	3	7	4	5	3	5	9	10	13	11	10	12	8	8	6	8	7	24	8.4
21	6	4	4	6	4	3	4	5	11	7	10	2	4	1	0	4	4	0	10	4	9	10	15	15	24	5.9
22	12	5	10	14	10	9	15	13	9	11	14	11	10	8	11	15	21	17	16	16	15	13	10	10	24	12.3
23	7	7	9	10	9	16	27	30	21	18	16	11	14	11	17	17	24	32	31	9	12	16	17	18	24	16.6
24	14	19	15	17	22	15	24	28	28	16	12	19	26	24	21	24	22	24	24	17	6	14	15	12	24	19.1
25	13	11	26	19	18	10	15	9	18	19	19	18	13	17	14	15	17	17	28	15	24	15	0	7	24	15.7
26	9	10	34	22	5	29	25	14	51	22	26	12	28	20	26	42	25	22	21	17	14	28	22	15	24	22.5
27	22	23	14	15	13	23	15	11	7	8	0	4	20	8	0	37	1	4	10	17	17	16	14	16	24	13.1
28	8	16	13	12	15	7	10	8	4	1	5	13	12	2	9	15	22	17	9	10	9	8	7	9	24	10.0
29	7	6	5	5	5	6	5	2	4	1	BA	10	3	0	4	25	28	32	3	13	12	7	4	3	23	8.3
30	5	2	4	3	2	4	6	16	38	28	26	19	13	6	7	13	17	15	8	11	9	11	13	6	24	11.8
31																									0	
NO.:	30	30	30	30	30	30	30	30	30	29	28	30	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	24.	23.	34.	27.	26.	31.	30.	30.	51.	28.	32.	36.	36.	24.	26.	42.	28.	32.	31.	30.	25.	28.	26.	28.		
AVG:	11.0	11.0	12.2	11.9	10.7	12.0	13.5	14.5	16.2	12.9	13.0	12.5	14.1	12.2	12.4	15.3	15.5	16.7	16.1	13.2	13.5	12.9	12.6	12.0		

MONTHLY OBSERVATIONS: 717 MONTHLY MEAN: 13.2 MONTHLY MAX: 51.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-077-3010 POC: 1
COUNTY: (077) San Joaquin
CITY: (75000) Stockton
SITE ADDRESS: 8778 BRATTLE PLACE, STOCKTON-WAGNER HOLT
SITE COMMENTS: NAMS (B) NEIGHBORHOOD SCALE MONITOR
MONITOR COMMENTS: NAMS (B) SSI PM-10 MONITOR

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (8120) STOCKTON, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 38.029444
LONGITUDE: -121.3525
UTM ZONE: 10
UTM NORTHING: 4210157
UTM EASTING: 644597
ELEVATION-MSL: 7
PROBE HEIGHT: 6

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				10								
3												
4												
5												
6												
7												
8				14								
9												
10												
11												
12												
13												
14				15								
15												
16												
17												
18												
19												
20				6								
21												
22												
23												
24												
25												
26				19								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				19.								
MEAN:				12.8								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 12.8 ANNUAL MAX: 19.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-077-3010 POC: 1
COUNTY: (077) San Joaquin
CITY: (75000) Stockton
SITE ADDRESS: 8778 BRATTLE PLACE, STOCKTON-WAGNER HOLT
SITE COMMENTS: NAMS (B) NEIGHBORHOOD SCALE MONITOR
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (8120) STOCKTON, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 38.029444
LONGITUDE: -121.3525
UTM ZONE: 10
UTM NORTHING: 4210157
UTM EASTING: 644597
ELEVATION-MSL: 7
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				11								
3												
4												
5												
6												
7												
8				14								
9												
10												
11												
12												
13												
14				16								
15												
16												
17												
18												
19												
20				7								
21												
22												
23												
24												
25												
26				19								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				19.								
MEAN:				13.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 13.4 ANNUAL MAX: 19.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-099-0005 POC: 3
COUNTY: (099) Stanislaus
CITY: (48354) Modesto
SITE ADDRESS: 814 14TH ST., MODESTO
SITE COMMENTS: ARB SITE NUMBER 5000568. NEW SITE 7-15-81.
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (5170) MODESTO, CA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 37.641667
LONGITUDE: -120.993611
UTM ZONE: 10
UTM NORTHING: 4167746
UTM EASTING: 677022
ELEVATION-MSL: 27
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				13								
3												
4												
5												
6												
7												
8				AN								
9												
10												
11												
12												
13												
14				14								
15												
16				AG								
17												
18												
19												
20				AF								
21												
22												
23				23								
24												
25												
26				21 IL								
27												
28												
29												
30												
31												
NO.:	0	0	0	4	0	0	0	0	0	0	0	0
MAX:				23.								
MEAN:				17.8								

ANNUAL OBSERVATIONS: 4 ANNUAL MEAN: 17.8 ANNUAL MAX: 23.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-099-0005 POC: 1
COUNTY: (099) Stanislaus
CITY: (48354) Modesto
SITE ADDRESS: 814 14TH ST., MODESTO
SITE COMMENTS: ARB SITE NUMBER 5000568. NEW SITE 7-15-81.
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (5170) MODESTO, CA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 37.641667
LONGITUDE: -120.993611
UTM ZONE: 10
UTM NORTHING: 4167746
UTM EASTING: 677022
ELEVATION-MSL: 27
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				14								
3												
4												
5												
6												
7												
8				AN								
9												
10												
11												
12												
13												
14				15								
15												
16				AG								
17												
18												
19												
20				AF								
21												
22												
23				24								
24												
25												
26				22 IL								
27												
28												
29												
30												
31												
NO.:	0	0	0	4	0	0	0	0	0	0	0	0
MAX:				24.								
MEAN:				18.8								

ANNUAL OBSERVATIONS: 4 ANNUAL MEAN: 18.8 ANNUAL MAX: 24.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-099-0006 POC: 1
COUNTY: (099) Stanislaus
CITY: (80812) Turlock
SITE ADDRESS: 900 S MINARET STREET, TURLOCK, CA
SITE COMMENTS: REPLACES THE WESTLEY-I5 TRUCKSTOP AM STATION (5000572). STATION OPERATOR CHANGED
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (5170) MODESTO, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 37.488333
LONGITUDE: -120.835833
UTM ZONE: 10
UTM NORTHING: 4151042
UTM EASTING: 691337
ELEVATION-MSL: 56
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				15								
3												
4												
5												
6												
7												
8				20								
9												
10												
11												
12												
13												
14				16								
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16												
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18												
19												
20				8								
21												
22												
23												
24												
25												
26				25								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				25.								
MEAN:				16.8								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 16.8 ANNUAL MAX: 25.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-099-0006 POC: 1
COUNTY: (099) Stanislaus
CITY: (80812) Turlock
SITE ADDRESS: 900 S MINARET STREET, TURLOCK, CA
SITE COMMENTS: REPLACES THE WESTLEY-I5 TRUCKSTOP AM STATION (5000572). STATION OPERATOR CHANGED
MONITOR COMMENTS: GMW HI-VOLUME SAMPLER W/ SIERRA ANDERSON 1200 SSI INLET

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (5170) MODESTO, CA
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LATITUDE: 37.488333
LONGITUDE: -120.835833
UTM ZONE: 10
UTM NORTHING: 4151042
UTM EASTING: 691337
ELEVATION-MSL: 56
PROBE HEIGHT:

SUPPORT AGENCY: (0945) San Joaquin Valley Unified Air Pollution Control District
MONITOR TYPE: OTHER
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				16								
3												
4												
5												
6												
7												
8				20								
9												
10												
11												
12												
13												
14				17								
15												
16												
17												
18												
19												
20				9								
21												
22												
23												
24												
25												
26				25								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				25.								
MEAN:				17.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 17.4 ANNUAL MAX: 25.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-107-1001 POC: 1
COUNTY: (107) Tulare
CITY: (70980) Sequoia National Park
SITE ADDRESS: ASH MOUNTIAN, SEQUOIA NATIONAL PARK
SITE COMMENTS: ARB SITE NUMBER 5400570 NEW SITE 07-82 SPM TSP, OX AND PB.
MONITOR COMMENTS:

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: UNKNOWN
LOCATION SETTING: UNKNOWN

CAS NUMBER:
LATITUDE: 36.498889
LONGITUDE: -118.823889
UTM ZONE: 11
UTM NORTHING: 4040630
UTM EASTING: 336640
ELEVATION-MSL: 521
PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
MONITOR TYPE: IMPROVE
COLLECTION AND ANALYSIS METHOD: (808) IMPROVE Module D with Cyclone Inle
PQAO: (0745) National Park Service

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				6.675								
3												
4												
5				2.197								
6												
7												
8				9.095								
9												
10												
11				23.171								
12												
13												
14				6.826								
15												
16												
17				14.628								
18												
19												
20				2.829								
21												
22												
23				5.201								
24												
25												
26				19.302								
27												
28												
29				3.407								
30												
31												
NO.:	0	0	0	10	0	0	0	0	0	0	0	0
MAX:				23.171								
MEAN:				9.3329								

ANNUAL OBSERVATIONS: 10 ANNUAL MEAN: 9.3329 ANNUAL MAX: 23.171

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(81102) PM10 Total 0-10um STP

SITE ID: 06-107-2002 POC: 2
COUNTY: (107) Tulare
CITY: (82954) Visalia
SITE ADDRESS: 310 N CHURCH ST, VISALIA
SITE COMMENTS: ARB SITE NUMBER 5400568. NEW SITE 7/79. SPM SO2. NO2 DATA FROM THIS SITE BEFORE 1/
MONITOR COMMENTS: GMW HI-VOL W/ SA 1200 SSI INLET - CARB PRIMARY SAMPLER

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (8779) VISALIA, CA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.332222
LONGITUDE: -119.290278
UTM ZONE: 11
UTM NORTHING: 4023031
UTM EASTING: 294430
ELEVATION-MSL: 97
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL SA/GMW-1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (25 C)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				20								
3												
4												
5												
6												
7												
8				25								
9												
10												
11												
12												
13												
14				19								
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19												
20				9								
21												
22												
23												
24												
25												
26				36								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				36.								
MEAN:				21.8								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 21.8 ANNUAL MAX: 36.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(85101) PM10 - LC

SITE ID: 06-107-2002 POC: 1
COUNTY: (107) Tulare
CITY: (82954) Visalia
SITE ADDRESS: 310 N CHURCH ST, VISALIA
SITE COMMENTS: ARB SITE NUMBER 5400568. NEW SITE 7/79. SPM SO2. NO2 DATA FROM THIS SITE BEFORE 1/
MONITOR COMMENTS: GMW HI-VOL W/ SA 1200 SSI INLET - THE PRIMARY SAMPLER

STATE: (06) California
AQCR: (031) SAN JOAQUIN VALLEY
URBANIZED AREA: (8779) VISALIA, CA
LAND USE: COMMERCIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
LATITUDE: 36.332222
LONGITUDE: -119.290278
UTM ZONE: 11
UTM NORTHING: 4023031
UTM EASTING: 294430
ELEVATION-MSL: 97
PROBE HEIGHT:

SUPPORT AGENCY: (0145) California Air Resources Board
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (063) HI-VOL-SA/GMW1200 GRAVIMETRIC
PQAO: (0145) California Air Resources Board

REPORT FOR: 2010

DURATION: 24 HOUR
UNITS: Micrograms/cubic meter (LC)
MIN DETECTABLE: 2

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2				21								
3												
4												
5												
6												
7												
8				25								
9												
10												
11												
12												
13												
14				20								
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18												
19												
20				9								
21												
22												
23												
24												
25												
26				37								
27												
28												
29												
30												
31												
NO.:	0	0	0	5	0	0	0	0	0	0	0	0
MAX:				37.								
MEAN:				22.4								

ANNUAL OBSERVATIONS: 5 ANNUAL MEAN: 22.4 ANNUAL MAX: 37.

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

QUALIFIER CODES:

Qualifier Code	Qualifier Description	Qualifier Type
AF	Scheduled but not Collected	NULL
AG	Sample Time out of Limits	NULL
AJ	Filter Damage	NULL
AN	Machine Malfunction	NULL
AQ	Collection Error	NULL
AV	Power Failure	NULL
AZ	Q C Audit	NULL
BA	Maintenance/Routine Repairs	NULL
IJ	High Winds	INFORM
IL	Other	INFORM

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional concurrence are shown in lower case.

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APPENDIX I: April 11, 2010 Public Notice