

Appendix B: Detailed Air Monitoring Site Information

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Site name	Clovis – Villa
AIRS #	60195001
County	Fresno
Reporting Agency	SJVAPCD
Site Start Date	9/1/90
Pollutant Parameters	Ozone, PM10 FRM, PM2.5 BAM/FEM, CO, NO2, NMHC, NMOC (PAMS)
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, barometric pressure, solar radiation
Address	908 N. Villa Av, Clovis CA 93612
Latitude	36.81944
Longitude	-119.716
Elevation (feet)	86
Location	Portable building in lot
Distance to road	500 m + (east)
Traffic Count	4876
Ground Cover	Paved

Clovis – Villa (1 of 3)			
Pollutant	Ozone	PM10 FRM	PM2.5 BAM
Spatial scale	Neighborhood	Neighborhood	Neighborhood
Site type	Population	Population	Population
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research support	Timely/public
Monitor type	SLAMS	SLAMS	SLAMS
Sampling method (List Instrument)	400 E	Sierra Andersen	Met One 1020
Analysis method	UV	Gravimetric	Beta attenuation
Start date	1/1/1990	1/1/1990	4/26/2005
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	7.5 m	7.0 m	7.0 m
Distance from supporting structure (meters)	4.5 m	0.25 m	4.0 m
Distance from obstructions on roof	_____	_____	_____
Distance from obstructions not on roof (meters)	32.0 m	31.5 m	31.0 m
Distance from trees (meters)	24.5 m	27.5 m	25.0 m
Distance to furnace or incinerator flue (meters)	16.0 m	15.5 m	17.0 m
Distance between collocated monitors (meters)	_____	3.7 m	2.5 m
Unrestricted airflow (degrees)	355	355	355
Probe material (Teflon, etc..)	TEFLON	_____	ALUMINUM
Residence time (seconds)	12.6	_____	_____
Frequency of flow rate verification for manual PM samplers audit	_____	Quarterly	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____	Bi-weekly
Frequency of one-point QC check (gaseous)	1:1	_____	_____
Last Annual Performance Evaluation (gaseous)	10/20/2009	_____	_____
Last two semi-annual flow rate audits for PM monitors	_____	10/20/2009, 5/27/2010	10/20/2009, 5/27/2010

Clovis – Villa (2 of 3)				
Pollutant	CO	NO2	NMOC (PAMS)	NMHC
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	Population	High concentration	Population	Population
Monitor objective	Standards/strategy	Standards/strategy, research	Research	Research
Sampling method (List Instrument)	48i-TLE	42C	910A, 925	55
Analysis method	IR	CL	GC	GC
Start date	1/1/1990	1/1/1990	1/1/1990	1/1/1990
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:3	1:1
Sampling season	ALL YEAR	ALL YEAR	JUN-JUL-AUG	ALL YEAR
Probe height (meters)	7.5 m	7.5 m	6.5 m	7.5 m
Distance from supporting structure (meters)	4.5 m	4.5 m	0.25 m	4.5 m
Distance from obstructions on roof	_____	_____	_____	_____
Distance from obstructions not on roof (meters)	32.0 m	32.0 m	33.5 m	32.0 m
Distance from trees (meters)	24.5 m	24.5 m	28.0 m	24.5 m
Distance to furnace or incinerator flue (meters)	16.0 m	16.0 m	13.5 m	16.0 m
Distance between collocated monitors (meters)	_____	_____	_____	_____
Unrestricted airflow (degrees)	355	355	350	355
Probe material (Teflon, etc..)	TEFLON	TEFLON	S. STEEL	TEFLON
Residence time (seconds)	11.6	11.6	_____	_____
Frequency of flow rate verification for manual PM samplers audit	_____	_____	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____	_____	_____
Frequency of one-point QC check (gaseous)	1:1	1:1	_____	1:1
Last Annual Performance Evaluation (gaseous)	10/20/2009	10/20/2009	5/10/2010	_____
Last two semi-annual flow rate audits for PM monitors	_____	_____	_____	_____

Clovis – Villa (3 of 3)	
Pollutant	Met Parameters
Spatial scale	Regional
Site type	General
Monitor objective	Research, timely/public
Sampling method (List Instrument)	ITP-125-125 HV, OT-06A-2, BP-090D, RH-HMP45D, SRD-Mod.8-48, WD-020C, WS-010B
Analysis method	_____
Start date	1/1/1990
Operation schedule (e.g. 1:1, 1:3)	1:1
Sampling season	ALL YEAR
Probe height (meters)	9.6 m
Distance from supporting structure (meters)	2.7 m
Distance from obstructions on roof	_____
Distance from obstructions not on roof (meters)	29.5 m
Distance from trees (meters)	25.5 m
Distance to furnace or incinerator flue (meters)	_____
Distance between collocated monitors (meters)	_____
Unrestricted airflow (degrees)	360
Probe material (Teflon, etc..)	_____
Residence time (seconds)	_____
Frequency of flow rate verification for manual PM samplers audit	_____
Frequency of flow rate verification for automated PM analyzers audit	_____
Frequency of one-point QC check (gaseous)	_____
Last Annual Performance Evaluation (gaseous)	_____
Last two semi-annual flow rate audits for PM monitors	_____

Site name	Fresno – Drummond
AIRS #	60190007
County	Fresno
Reporting Agency	SJVAPCD
Site Start Date	7/1/84
Pollutant Parameters	Ozone, PM10 FRM, CO, NO2
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, barometric pressure
Address	4706 E. Drummond Street, Fresno CA 93725
Latitude	36.70556
Longitude	-119.741
Elevation (feet)	120
Location	Portable building in parking lot
Distance to road	42.5 m (north), 121 m (east)
Traffic Count	600
Ground Cover	Paved

Fresno – Drummond (1 of 2)				
Pollutant	Ozone	PM10 FRM	CO	NO2
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	Population, regional transport	Population	Population	High concentration
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research support	Standards/strategy	Standards/strategy
Monitor type	SLAMS	SLAMS	-	-
Sampling method (List Instrument)	400 E	Sierra Andersen	48	42C
Analysis method	UV	Gravimetric	IR	CL
Start date	7/1/1984		7/1/1984	7/1/1984
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	8.5 m	6 m	8.5 m	8.5 m
Distance from supporting structure (meters)	_____	10.5 m	_____	_____
Distance from obstructions on roof	_____	0.5 m	_____	_____
Distance from obstructions not on roof (meters)	_____	5 m	_____	_____
Distance from trees (meters)	25 m	24 m	25 m	25 m
Distance to furnace or incinerator flue (meters)	23.5 m	23 m	23.5 m	23.5 m
Distance between collocated monitors (meters)	_____	_____	_____	_____
Unrestricted airflow (degrees)	360	260	360	360
Probe material (Teflon, etc..)	TEFLON	_____	TEFLON	TEFLON
Residence time (seconds)	12.8	_____	12.6	12.9
Frequency of flow rate verification for manual PM samplers audit	_____	Quarterly	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____	_____	_____
Frequency of one-point QC check (gaseous)	1:1	_____	1:1	1:1
Last Annual Performance Evaluation (gaseous)	2/10/2010	_____	2/10/2010	2/10/2010
Last two semi-annual flow rate audits for PM monitors	_____	10/21/2009, 2/10/2010	_____	_____

Fresno – Drummond (2 of 2)	
Pollutant	Met parameters
Spatial scale	Regional
Site type	General
Monitor objective	Research, timely/public
Sampling method (List Instrument)	ITP-125-125 HV, OT-060A-2, BP-090D, WD-020C, WS-010C
Analysis method	_____
Start date	10/7/2004
Operation schedule (e.g. 1:1, 1:3)	1:1
Sampling season	ALL YEAR
Probe height (meters)	10 m
Distance from supporting structure (meters)	_____
Distance from obstructions on roof	_____
Distance from obstructions not on roof (meters)	_____
Distance from trees (meters)	25 m
Distance to furnace or incinerator flue (meters)	23 m
Distance between collocated monitors (meters)	_____
Unrestricted airflow (degrees)	360
Probe material (Teflon, etc..)	_____
Residence time (seconds)	_____
Frequency of flow rate verification for manual PM samplers audit	_____
Frequency of flow rate verification for automated PM analyzers audit	_____
Frequency of one-point QC check (gaseous)	_____
Last Annual Performance Evaluation (gaseous)	_____
Last two semi-annual flow rate audits for PM monitors	_____

Site name	Fresno – First
AIRS #	60190008
County	Fresno
Reporting Agency	ARB
Site Start Date	1/1/90
Pollutant Parameters	Ozone, PM10 FRM, PM10 BAM, PM2.5 FRM, PM2.5 BAM, CO, NO2, SO2, toxics
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, barometric pressure
Address	3425 N. First St, Fresno CA 93726
Latitude	36.78194
Longitude	-119.773
Elevation (feet)	98
Location	
Distance to road	75 m
Traffic Count	3000
Ground Cover	

Fresno – First (1 of 3)				
Pollutant	Ozone	PM10 FRM	PM10 BAM	PM2.5 FRM
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	Population	High concentration	High concentration	High concentration
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research support	Timely/public	Standards/strategy, research support
Monitor type	SLAMS	SLAMS	SLAMS	SLAMS
Sampling method (List Instrument)	API/Teledyne 400	Andersen SA1200	Met One 1020	R&P 2025
Analysis method	UV	Gravimetric	Beta Attenuation	Gravimetric
Start date				
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)				
Distance from supporting structure (meters)				
Distance from obstructions on roof				
Distance from obstructions not on roof (meters)	None	None	None	None
Distance from trees (meters)	None	None	None	None
Distance to furnace or incinerator flue (meters)	None	None	None	None
Distance between collocated monitors (meters)	--	--	--	--
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	Teflon	Teflon	Teflon	Teflon
Residence time (seconds)	4.3	--	--	--
Frequency of flow rate verification for manual PM samplers audit	--	Once a Month	--	Once a Month
Frequency of flow rate verification for automated PM analyzers audit	--	--	Twice a Month	--
Frequency of one-point QC check (gaseous)	Twice a month	--	--	--
Last Annual Performance Evaluation (gaseous)	9/16/2008	--	--	--
Last two semi-annual flow rate audits for PM monitors	--	9/16/2008	9/16/2008	9/16/2008

Fresno – First (2 of 3)				
Pollutant	PM2.5 BAM	CO	NO2	SO2
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	High concentration	Population	Population	Population
Monitor objective	Timely/public	Standards/strategy	Standards/strategy	Standards/strategy
Monitor type	SLAMS	-	-	-
Sampling method (List Instrument)	MetOne 1020	Dasibi 3008	TECO 42, 42C	TECO 43A, 43B, 43C
Analysis method	Beta Attenuation			
Start date				
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1	1:1
Sampling season	All year	All year	All year	All year
Probe height (meters)				
Distance from supporting structure (meters)				
Distance from obstructions on roof				
Distance from obstructions not on roof (meters)	None	None	None	None
Distance from trees (meters)	None	None	None	None
Distance to furnace or incinerator flue (meters)	None	None	None	None
Distance between collocated monitors (meters)	1.5	--	--	--
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	Teflon	Teflon	Teflon	Teflon
Residence time (seconds)	--	4.8	5.7	6
Frequency of flow rate verification for manual PM samplers audit	--	--	--	--
Frequency of flow rate verification for automated PM analyzers audit	Twice a month	--	--	--
Frequency of one-point QC check (gaseous)	--	Twice a month	Twice a month	Twice a month
Last Annual Performance Evaluation (gaseous)	--	9/16/2008	9/16/2008	9/16/2008
Last two semi-annual flow rate audits for PM monitors	9/16/2008	--	--	--

Fresno – First (3 of 3)		
Pollutant	Toxics	Met parameters
Spatial scale	Neighborhood	Regional
Site type	Population	General
Monitor objective	Timely/public	Research, timely/public
Sampling method (List Instrument)	Xentech	
Analysis method	--	
Start date		
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1
Sampling season	All year	All year
Probe height (meters)		
Distance from supporting structure (meters)		
Distance from obstructions on roof		
Distance from obstructions not on roof (meters)	None	None
Distance from trees (meters)	None	None
Distance to furnace or incinerator flue (meters)	None	None
Distance between collocated monitors (meters)	--	--
Unrestricted airflow (degrees)	360	360
Probe material (Teflon, etc..)	Teflon	Teflon
Residence time (seconds)	4.3	4.3
Frequency of flow rate verification for manual PM samplers audit	--	--
Frequency of flow rate verification for automated PM analyzers audit	--	--
Frequency of one-point QC check (gaseous)	Twice a month	--
Last Annual Performance Evaluation (gaseous)	9/18/2008	--
Last two semi-annual flow rate audits for PM monitors	--	--

Site name	Fresno – Pacific
AIRS #	60195025
County	Fresno
Reporting Agency	SJVAPCD
Site Start Date	1/1/00
Pollutant Parameters	
	PM2.5 FRM
Meteorological Parameters	
	none
Address	
	1716 Winery, Fresno CA 93726
Latitude	
	36.72639
Longitude	
	-119.733
Elevation (feet)	
	95
Location	
	On school roof
Distance to road	
	62.0 m (north), 52.0 m (east)
Traffic Count	
	2539
Ground Cover	
	Roof material

Fresno – Pacific	
Pollutant	PM2.5 FRM
Spatial scale	Neighborhood
Site type	Population
Monitor objective	Standards/strategy, research support
Monitor type	SLAMS
Sampling method (List Instrument)	Andersen 300
Analysis method	GRAVI-METRIC
Start date	1/1/2000
Operation schedule (e.g. 1:1, 1:3)	1:3, 1:6
Sampling season	ALL YEAR
Probe height (meters)	8.0 m
Distance from supporting structure (meters)	6.0 m
Distance from obstructions on roof	54.5 m
Distance from obstructions not on roof (meters)	_____
Distance from trees (meters)	76.0 m
Distance to furnace or incinerator flue (meters)	_____
Distance between collocated monitors (meters)	_____
Unrestricted airflow (degrees)	360
Probe material (Teflon, etc..)	_____
Residence time (seconds)	_____
Frequency of flow rate verification for manual PM samplers audit	MONTHLY
Frequency of flow rate verification for automated PM analyzers audit	_____
Frequency of one-point QC check (gaseous)	_____
Last Annual Performance Evaluation (gaseous)	_____
Last two semi-annual flow rate audits for PM monitors	12/12/2008, 2/5/2009

Site name	Fresno – Sierra Skypark
AIRS #	60190242
County	Fresno
Reporting Agency	SJVAPCD
Site Start Date	7/1/86
Pollutant Parameters	Ozone, CO, NO2
Meteorological Parameters	Wind speed, wind direction, outdoor temperature
Address	4508 Chennault Ave, Fresno CA 93722
Latitude	36.84056
Longitude	-119.874
Elevation (feet)	98
Location	Portable building
Distance to road	11.5 m (west)
Traffic Count	100
Ground Cover	Gravel

Fresno – Sierra Skypark				
Pollutant	Ozone	CO	NO2	Met Parameters
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Regional
Site type	Population, regional transport	Population	Population	General
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy	Standards/strategy	Research, timely/public
Monitor type	SLAMS	-	-	-
Sampling method (List Instrument)	400E	48	42C	ITP-125-125 HV, OT-06A-2, WD-020C-1, WS-010C
Analysis method	UV	IR	CL	_____
Start date	7/1/1986	7/1/1986	7/1/1986	7/1/1986
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	4 m	4 m	4 m	5 m
Distance from supporting structure (meters)	_____	_____	_____	_____
Distance from obstructions on roof	_____	_____	_____	_____
Distance from obstructions not on roof (meters)	5 m / 16 m	5 m / 16 m	5 m / 16 m	5 m / 16 m
Distance from trees (meters)	27 m / 20 m	27 m / 20 m	27 m / 20 m	27 m / 20 m
Distance to furnace or incinerator flue (meters)	_____	_____	_____	_____
Distance between collocated monitors (meters)	_____	_____	_____	_____
Unrestricted airflow (degrees)	280	280	280	280
Probe material (Teflon, etc..)	TEFLON	TEFLON	TEFLON	_____
Residence time (seconds)	10.0	9.4	10.1	_____
Frequency of flow rate verification for manual PM samplers audit	_____	_____	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____	_____	_____
Frequency of one-point QC check (gaseous)	1:1	1:1	1:1	_____
Last Annual Performance Evaluation (gaseous)	2/11/2010	2/11/2010	2/11/2010	2/11/2010
Last two semi-annual flow rate audits for PM monitors	_____	_____	_____	_____

Site name	Huron
AIRS #	60192008
County	Fresno
Reporting Agency	SJVAPCD
Site Start Date	10/12/09
Pollutant Parameters	PM2.5 BAM
Meteorological Parameters	Barometric pressure
Address	16875 4 th Street, Huron, CA 93234
Latitude	36.583
Longitude	-119.5
Elevation (feet)	
Location	In school room
Distance to road	202 m (west), 99.5 m (north)
Traffic Count	1205
Ground Cover	Paved/vegetated

Huron		
Pollutant	PM2.5 BAM	Met Parameters
Spatial scale	Neighborhood	Neighborhood
Site type	Population	Population
Monitor objective	Timely/public	Timely/public
Monitor type	SPM	-
Sampling method (List Instrument)	Anderson	ITP-125-50-HV, BP-092
Analysis method	BETA-ATTENUATION	
Start date	Q3-2009	2/1/2010
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR
Probe height (meters)	4.5 m	
Distance from supporting structure (meters)	1.5 m	
Distance from obstructions on roof	_____	
Distance from obstructions not on roof (meters)	_____	
Distance from trees (meters)	41.5 m	
Distance to furnace or incinerator flue (meters)	_____	
Distance between collocated monitors (meters)	_____	
Unrestricted airflow (degrees)	270	
Probe material (Teflon, etc.)	ALUMINUM	
Residence time (seconds)	_____	
Frequency of flow rate verification for manual PM samplers audit	_____	
Frequency of flow rate verification for automated PM analyzers audit	BI-WEEKLY	
Frequency of one-point QC check (gaseous)	_____	
Last Annual Performance Evaluation (gaseous)	_____	
Last two semi-annual flow rate audits for PM monitors	Scheduled for 7/21/2010	

Site name	Parlier
AIRS #	60194001
County	Fresno
Reporting Agency	SJVAPCD
Site Start Date	1/1/06
Pollutant Parameters	Ozone, NO ₂ , NMOC (PAMS), NMHC
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, barometric pressure, solar radiation
Address	9240 S. Riverbend Av, Parlier CA 93648
Latitude	36.59722
Longitude	-119.504
Elevation (feet)	115
Location	Portable building in university field
Distance to road	500 m+ (north)
Traffic Count	8700
Ground Cover	Dirt/vegetated

Parlier (1 of 2)				
Pollutant	Ozone	NO2	NMOC (PAMS)	NMHC
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	High concentration, regional transport	Population	Population	Population
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research	Research	Research
Monitor type	SLAMS	-	-	-
Sampling method (List Instrument)	400 E	42C	910A	55C
Analysis method	UV	CL	GC	GC
Start date	3/1/1983	3/1/1983	3/1/1983	3/1/83
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:3	1:1
Sampling season	ALL YEAR	ALL YEAR	JUN-JUL-AUG	ALL YEAR
Probe height (meters)	9.0 m	9.0 m	7.0 m	9.0 m
Distance from supporting structure (meters)	_____	_____	_____	_____
Distance from obstructions on roof	_____	_____	_____	_____
Distance from obstructions not on roof (meters)	_____	_____	_____	_____
Distance from trees (meters)	_____	_____	12.5 m	_____
Distance to furnace or incinerator flue (meters)	_____	_____	_____	_____
Distance between collocated monitors (meters)	_____	_____	_____	_____
Unrestricted airflow (degrees)	360	360	270	360
Probe material (Teflon, etc..)	TEFLON	TEFLON	S. STEEL	TEFLON
Residence time (seconds)	13.6	13.3	_____	12.9
Frequency of flow rate verification for manual PM samplers audit	_____	_____	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____	_____	_____
Frequency of one-point QC check (gaseous)	1:1	1:1	_____	1:1
Last Annual Performance Evaluation (gaseous)	2/22/2010	2/22/2010	5/10/2010	_____
Last 2 semi-annual flow rate audits, PM monitors	_____	_____	_____	_____

Parlier (2 of 2)	
Pollutant	Met Parameters
Spatial scale	Regional
Site type	General
Monitor objective	Research, timely/public
Sampling method (List Instrument)	ITP-125-125 HV, OT-06A-2, BP-092, RH-HMP45D, SRD-Mod.8-48, WD-020C, WS-010C
Analysis method	_____
Start date	3/1/83
Operation schedule (e.g. 1:1, 1:3)	1:1
Sampling season	ALL YEAR
Probe height (meters)	9.5 m
Distance from supporting structure (meters)	_____
Distance from obstructions on roof	_____
Distance from obstructions not on roof (meters)	_____
Distance from trees (meters)	_____
Distance to furnace or incinerator flue (meters)	_____
Distance between collocated monitors (meters)	_____
Unrestricted airflow (degrees)	360
Probe material (Teflon, etc..)	_____
Residence time (seconds)	_____
Frequency of flow rate verification for manual PM samplers audit	_____
Frequency of flow rate verification for automated PM analyzers audit	_____
Frequency of one-point QC check (gaseous)	_____
Last Annual Performance Evaluation (gaseous)	_____
Last two semi-annual flow rate audits for PM monitors	_____

Site name	Tranquillity
AIRS #	60192009
County	Fresno
Reporting Agency	SJVAPCD
Site Start Date	11/9/2009
Pollutant Parameters	Ozone, PM2.5 BAM
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, barometric pressure
Address	32650 West Adams, Tranquillity CA 93668
Latitude	36.600833
Longitude	-120.382222
Elevation (feet)	59 ft
Location	Portable shed
Distance to road	186 m (south)
Traffic Count	
Ground Cover	Gravel/vegetation

Tranquillity			
Pollutant	Ozone	PM2.5 BAM	Met Parameters
Spatial scale	Urban	Urban	Urban
Site type	Population	Population	Population
Monitor objective	Timely/public	Timely/public	Timely/public
Monitor type	SPM	SPM	
Sampling method (List Instrument)	400 E	1020	ITP-020B, OT-060, BP-090C, WD-020C, WS-010C
Analysis method	UV	BETA-ATTENUATION	
Start date	10/30/2009	10/30/2009	10/30/2009
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	4 m	4 m	10 m / 20 m
Distance from supporting structure (meters)			
Distance from obstructions on roof			
Distance from obstructions not on roof (meters)			
Distance from trees (meters)	102 m	102 m	102 m
Distance to furnace or incinerator flue (meters)	97.5 m	97.5 m	97.5 m
Distance between collocated monitors (meters)			
Unrestricted airflow (degrees)	360	360	360
Probe material (Teflon, etc..)	TEFLON	ALUMINUM	
Residence time (seconds)	6.0		
Frequency of flow rate verification for manual PM samplers audit			
Frequency of flow rate verification for automated PM analyzers audit		BI-WEEKLY	
Frequency of one-point QC check (gaseous)	1:1		
Last Annual Performance Evaluation (gaseous)	Scheduled for 7/21/2010		
Last 2 semi-annual flow rate audits, PM monitors			

Site name	Arvin
AIRS #	60295001
County	Kern
Reporting Agency	SJVAPCD and ARB
Site Start Date	6/1/89
Pollutant Parameters	Ozone, NO ₂ , NMOC (PAMS), NMHC
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, barometric pressure, solar radiation
Address	20401 Bear Mountain Blvd, Arvin CA 93203
Latitude	35.20861
Longitude	-118.776
Elevation (feet)	617
Location	Portable building
Distance to road	95 m (north)
Traffic Count	2200
Ground Cover	Sand/gravel

Arvin (1 of 2)				
Pollutant	Ozone	NO2	NMOC (PAMS)	NHMC
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	High concentration, regional transport	Population	Population	Population
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research	Research	Research
Monitor type	SLAMS	-	-	-
Sampling method (List Instrument)	400 E	42C	42C	55C
Analysis method	UV	CL	GC	GC
Start date	6/1/1989	6/1/1989	6/1/1989	7/1/1994
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR	JUN-JUL-AUG	ALL YEAR
Probe height (meters)	7.4 m	7.4 m	7.4 m	7.4 m
Distance from supporting structure (meters)	_____	_____	_____	_____
Distance from obstructions on roof	_____	_____	_____	_____
Distance from obstructions not on roof (meters)	_____	_____	_____	_____
Distance from trees (meters)	15.5 m	15.5 m	15.5 m	16.0 m
Distance to furnace or incinerator flue (meters)	_____	_____	_____	_____
Distance between collocated monitors (meters)	_____	_____	_____	_____
Unrestricted airflow (degrees)	350	350	350	350
Probe material (Teflon, etc..)	TEFLON	TEFLON	TEFLON	TEFLON
Residence time (seconds)	11.1	9.3	9.3	9.3
Frequency of flow rate verification for manual PM samplers audit	_____	_____	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____	_____	_____
Frequency of one-point QC check (gaseous)	1:1	1:1	1:1	1:1
Last Annual Performance Evaluation (gaseous)	12/15/2009	12/15/2009	5/10/2010	_____
Last two semi-annual flow rate audits for PM monitors	_____	_____	_____	_____

Arvin (2 of 2)	
Pollutant	Met parameters
Spatial scale	Regional
Site type	General
Monitor objective	Research, timely/public
Sampling method (List Instrument)	ITP-BA-512-A-A-3-B, OT-06A-2, BP-090D, RH-HMP45D, SRD-Mod. 8-48, WD-020B, WS-010C
Analysis method	_____
Start date	6/1/1989
Operation schedule (e.g. 1:1, 1:3)	1:1
Sampling season	ALL YEAR
Probe height (meters)	10 m
Distance from supporting structure (meters)	_____
Distance from obstructions on roof	_____
Distance from obstructions not on roof (meters)	_____
Distance from trees (meters)	15.5 m
Distance to furnace or incinerator flue (meters)	_____
Distance between collocated monitors (meters)	_____
Unrestricted airflow (degrees)	350
Probe material (Teflon, etc..)	_____
Residence time (seconds)	_____
Frequency of flow rate verification for manual PM samplers audit	_____
Frequency of flow rate verification for automated PM analyzers audit	_____
Frequency of one-point QC check (gaseous)	_____
Last Annual Performance Evaluation (gaseous)	_____
Last two semi-annual flow rate audits for PM monitors	_____

Site name	Bakersfield – Airport – Planz
AIRS #	60290016
County	Kern
Reporting Agency	ARB
Site Start Date	9/19/00
Pollutant Parameters	PM2.5 FRM
Meteorological Parameters	none
Address	401 E. Planz Rd., Bakersfield CA 93307
Latitude	35.33111
Longitude	-117.98
Elevation (feet)	145
Location	
Distance to road	500 m
Traffic Count	1000
Ground Cover	Dirt, paved

Bakersfield – Airport - Planz	
Pollutant	PM2.5 FRM
Spatial scale	Neighborhood
Site type	Population
Monitor objective	Standards/strategy, research support
Monitor type	SLAMS
Sampling method (List Instrument)	R&P 2025
Analysis method	Gravimetric
Start date	
Operation schedule (e.g. 1:1, 1:3)	1:3
Sampling season	All year
Probe height (meters)	
Distance from supporting structure (meters)	
Distance from obstructions on roof	
Distance from obstructions not on roof (meters)	None
Distance from trees (meters)	None
Distance to furnace or incinerator flue (meters)	None
Distance between collocated monitors (meters)	None
Unrestricted airflow (degrees)	360
Probe material (Teflon, etc..)	Teflon
Residence time (seconds)	NA
Frequency of flow rate verification for manual PM samplers audit	Once a month
Frequency of flow rate verification for automated PM analyzers audit	--
Frequency of one-point QC check (gaseous)	--
Last Annual Performance Evaluation (gaseous)	--
Last two semi-annual flow rate audits for PM monitors	3/3/2009

Site name	Bakersfield – California Avenue
AIRS #	60290014
County	Kern
Reporting Agency	ARB
Site Start Date	3/1/94
Pollutant Parameters	Ozone, PM10 FRM, PM10 BAM/FEM (temporarily operated by the SJVAPCD), PM2.5 FRM, PM2.5 BAM/FEM, NO2, toxics
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, barometric pressure, solar radiation
Address	5558 California, Bakersfield CA 93309
Latitude	35.35667
Longitude	-119.063
Elevation (feet)	117
Location	
Distance to road	300 m
Traffic Count	10000
Ground Cover	Paved, concrete

Bakersfield – California Avenue (1 of 2)				
Pollutant	Ozone	PM10 FRM	PM10 BAM	PM2.5 FRM
Spatial scale	Neighborhood	Neighborhood		Neighborhood
Site type	Population	Population		Population
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research support		Standards/strategy, research support
Monitor type	SLAMS	SLAMS	SLAMS	SLAMS
Sampling method (List Instrument)	API/Teledyne 400	Sierra Anderson 1200		R&P 2025
Analysis method	UV	Gravimetric		Gravimetric
Start date				
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6		1:1
Sampling season				
Probe height (meters)				
Distance from supporting structure (meters)				
Distance from obstructions on roof				
Distance from obstructions not on roof (meters)	None	None		None
Distance from trees (meters)	None	None		None
Distance to furnace or incinerator flue (meters)	None	None		None
Distance between collocated monitors (meters)	--	3.0		3.0
Unrestricted airflow (degrees)	360	360		360
Probe material (Teflon, etc..)	Teflon	Teflon		Teflon
Residence time (seconds)	10.0	--		--
Frequency of flow rate verification for manual PM samplers audit	--	Once per month		Once per month
Frequency of flow rate verification for automated PM analyzers audit	--	--		--
Frequency of one-point QC check (gaseous)	Twice per month	--		--
Last Annual Performance Evaluation (gaseous)	3/3/2009	--		--
Last two semi-annual flow rate audits for PM monitors	--	3/18/2009		3/18/2009

Bakersfield – California Avenue (2 of 2)				
Pollutant	PM2.5 BAM/FEM	NO2	Toxics	Met parameters
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Regional
Site type	Population	Population	Population	General
Monitor objective	Timely/public	Standards/strategy	Timely/public	Research, timely/public
Monitory type	SLAMS	-	-	-
Sampling method (List Instrument)	Met One 1020	API 200A	Xontech 924	
Analysis method	Beta Attenuation	CL		
Start date				
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1	1:1
Sampling season				
Probe height (meters)				
Distance from supporting structure (meters)				
Distance from obstructions on roof				
Distance from obstructions not on roof (meters)	None	None	None	None
Distance from trees (meters)	None	None	None	None
Distance to furnace or incinerator flue (meters)	None	None	None	None
Distance between collocated monitors (meters)	3.0	--	2.0	--
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	Teflon	Teflon	Teflon	Teflon
Residence time (seconds)	--	15.2	--	--
Frequency of flow rate verification for manual PM samplers audit	--	--	--	--
Frequency of flow rate verification for automated PM analyzers audit	Twice per month	--	--	--
Frequency of one-point QC check (gaseous)	--	Twice per month	Twice per month	--
Last Annual Performance Evaluation (gaseous)	--	3/3/2009	3/3/2009	--
Last two semi-annual flow rate audits for PM monitors	3/18/2009	--	--	--

Site name	Bakersfield – Muni
AIRS #	<i>pending</i>
County	Kern
Reporting Agency	SJVAPCD
Site Start Date	
Pollutant Parameters	Ozone, PM10 TEOM, PM2.5 BAM, CO, NO2, NMOC (PAMS), NMHC
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, barometric pressure, solar radiation
Address	
Latitude	
Longitude	
Elevation (feet)	
Location	
Distance to road	
Traffic Count	
Ground Cover	

Bakersfield – Muni (1 of 3)			
Pollutant	Ozone	PM10 TEOM	PM2.5 BAM
Spatial scale	Neighborhood	Neighborhood	Neighborhood
Site type	Population	High concentration	High concentration
Monitor objective	Timely/public, standards/strategy, research support	Timely/public	Timely/public
Monitor type	SLAMS	SLAMS	SPM
Sampling method (List Instrument)			
Analysis method			
Start date			
Operation schedule (e.g. 1:1, 1:3)			
Sampling season			
Probe height (meters)			
Distance from supporting structure (meters)			
Distance from obstructions on roof			
Distance from obstructions not on roof (meters)			
Distance from trees (meters)			
Distance to furnace or incinerator flue (meters)			
Distance between collocated monitors (meters)			
Unrestricted airflow (degrees)			
Probe material (Teflon, etc..)			
Residence time (seconds)			
Frequency of flow rate verification for manual PM samplers audit			
Frequency of flow rate verification for automated PM analyzers audit			
Frequency of one-point QC check (gaseous)			
Last Annual Performance Evaluation (gaseous)			
Last two semi-annual flow rate audits for PM monitors			

Bakersfield – Muni (2 of 3)			
Pollutant	CO	NO2	NMOC (PAMS)
Spatial scale	Neighborhood	Neighborhood	Neighborhood
Site type	Population	High concentration	Population
Monitor objective	Standards/strategy	Standards/strategy, research	Research
Sampling method (List Instrument)			
Analysis method			
Start date			
Operation schedule (e.g. 1:1, 1:3)			
Sampling season			
Probe height (meters)			
Distance from supporting structure (meters)			
Distance from obstructions on roof			
Distance from obstructions not on roof (meters)			
Distance from trees (meters)			
Distance to furnace or incinerator flue (meters)			
Distance between collocated monitors (meters)			
Unrestricted airflow (degrees)			
Probe material (Teflon, etc..)			
Residence time (seconds)			
Frequency of flow rate verification for manual PM samplers audit			
Frequency of flow rate verification for automated PM analyzers audit			
Frequency of one-point QC check (gaseous)			
Last Annual Performance Evaluation (gaseous)			
Last two semi-annual flow rate audits for PM monitors			

Bakersfield – Muni (3 of 3)		
Pollutant	NHMC	Met parameters
Spatial scale	Neighborhood	Regional
Site type	Population	General
Monitor objective	Research	Research, timely/public
Sampling method (List Instrument)		
Analysis method		
Start date		
Operation schedule (e.g. 1:1, 1:3)		
Sampling season		
Probe height (meters)		
Distance from supporting structure (meters)		
Distance from obstructions on roof		
Distance from obstructions not on roof (meters)		
Distance from trees (meters)		
Distance to furnace or incinerator flue (meters)		
Distance between collocated monitors (meters)		
Unrestricted airflow (degrees)		
Probe material (Teflon, etc..)		
Residence time (seconds)		
Frequency of flow rate verification for manual PM samplers audit		
Frequency of flow rate verification for automated PM analyzers audit		
Frequency of one-point QC check (gaseous)		
Last Annual Performance Evaluation (gaseous)		
Last two semi-annual flow rate audits for PM monitors		

Site name	Edison
AIRS #	60290007
County	Kern
Reporting Agency	ARB
Site Start Date	1/1/80
Pollutant Parameters	Ozone, NO2
Meteorological Parameters	Wind speed, wind direction, outdoor temperature
Address	Johnson Farm-Shed Rd, Edison CA 93320
Latitude	35.34583
Longitude	-118.852
Elevation (feet)	172
Location	
Distance to road	450
Traffic Count	50000
Ground Cover	

Edison			
Pollutant	Ozone	NO2	Met parameters
Spatial scale	Neighborhood	Neighborhood	Regional
Site type	High concentration, regional transport	Population	General
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy	Research, timely/public
Monitor type	SLAMS	--	--
Sampling method (List Instrument)	API/Teledyne 400	TECO 42, 42C	
Analysis method	UV	CL	
Start date			
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1
Sampling season	All year	All year	All year
Probe height (meters)			
Distance from supporting structure (meters)			
Distance from obstructions on roof			
Distance from obstructions not on roof (meters)	None	None	None
Distance from trees (meters)	18.5	18.5	18.5
Distance to furnace or incinerator flue (meters)	None	None	None
Distance between collocated monitors (meters)	--	--	--
Unrestricted airflow (degrees)	360	360	360
Probe material (Teflon, etc..)	Teflon	Teflon	Teflon
Residence time (seconds)	15	13.6	--
Frequency of flow rate verification for manual PM samplers audit	--	--	--
Frequency of flow rate verification for automated PM analyzers audit	--	--	--
Frequency of one-point QC check (gaseous)	Twice a month	Twice a month	--
Last Annual Performance Evaluation (gaseous)	3/4/2009	3/4/2009	--
Last two semi-annual flow rate audits for PM monitors	--	--	--

Site name	Lebec
AIRS #	60292009
County	Kern
Reporting Agency	SJVAPCD
Site Start Date	1/20/2009
Pollutant Parameters	
	PM2.5 BAM
Meteorological Parameters	
	Wind speed, wind direction, outdoor temperature, barometric pressure
Address	
	Beartrap Road (no #), Lebec, CA 91350
Latitude	34.8415
Longitude	-118.861
Elevation (feet)	1063 ft
Location	
Distance to road	
Traffic Count	67000
Ground Cover	Dirt, vegetated

Lebec		
Pollutant	PM2.5 BAM	Met parameters
Spatial scale	Neighborhood	Regional
Site type	Population	General
Monitor objective	Timely/public	Research, timely/public
Monitor type	SPM	--
Sampling method (List Instrument)	BAM 1020	
Analysis method	BETA- ATTENUATION	ITP, OT, BP, WD, WS
Start date		
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR
Probe height (meters)	5.5 m	9.6 m
Distance from supporting structure (meters)		
Distance from obstructions on roof		
Distance from obstructions not on roof (meters)		
Distance from trees (meters)		
Distance to furnace or incinerator flue (meters)		
Distance between collocated monitors (meters)		
Unrestricted airflow (degrees)	360	360
Probe material (Teflon, etc..)	ALUMINUM	
Residence time (seconds)		
Frequency of flow rate verification for manual PM samplers audit		
Frequency of flow rate verification for automated PM analyzers audit	BI-WEEKLY	
Frequency of one-point QC check (gaseous)		
Last Annual Performance Evaluation (gaseous)	Scheduled for 7/20/2010	
Last two semi-annual flow rate audits for PM monitors		

Site name	Maricopa
AIRS #	60290008
County	Kern
Reporting Agency	SJVAPCD
Site Start Date	7/1/87
Pollutant Parameters	
	Ozone
Meteorological Parameters	
	Wind speed, wind direction, outdoor temperature, barometric pressure
Address	
	755 Stanislaus Street, Maricopa CA 93352
Latitude	
	35.05139
Longitude	
	-119.403
Elevation (feet)	
	297
Location	
	In old school building
Distance to road	
	500 m + (north)
Traffic Count	
	0
Ground Cover	
	Gravel

Maricopa		
Pollutant	Ozone	Met parameters
Spatial scale	Neighborhood	Regional
Site type	Regional transport	General
Monitor objective	Timely/public, standards/strategy, research support	Research, timely/public
Monitor type	SLAMS	--
Sampling method (List Instrument)	400 E	ITP-125-50 HV, OT-06A-2, BP-090D, WD-020C, WS-010C
Analysis method	UV	_____
Start date	7/1/1987	7/1/1987
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR
Probe height (meters)	5 m	5 m
Distance from supporting structure (meters)	_____	2.7 m (OT)
Distance from obstructions on roof	_____	5 m (BP) 1.5 m (OT)
Distance from obstructions not on roof (meters)	_____	_____
Distance from trees (meters)	_____	_____
Distance to furnace or incinerator flue (meters)	_____	_____
Distance between collocated monitors (meters)	_____	_____
Unrestricted airflow (degrees)	360	360 (WD,WS, BP), 270 (OT)
Probe material (Teflon, etc..)	TEFLON	_____
Residence time (seconds)	5.9	_____
Frequency of flow rate verification for manual PM samplers audit	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____
Frequency of one-point QC check (gaseous)	1:1	_____
Last Annual Performance Evaluation (gaseous)	3/25/2009	_____
Last two semi-annual flow rate audits for PM monitors	_____	_____

Site name	Oildale
AIRS #	60290232
County	Kern
Reporting Agency	ARB
Site Start Date	1/1/80
Pollutant Parameters	Ozone, PM10 FRM
Meteorological Parameters	Wind speed, wind direction, outdoor temperature
Address	3311 Manor St, Oildale CA 93308
Latitude	35.43806
Longitude	-119.017
Elevation (feet)	183
Location	
Distance to road	150 m
Traffic Count	10000
Ground Cover	

Oildale			
Pollutant	Ozone	PM10 FRM	Met parameters
Spatial scale	Neighborhood	Neighborhood	Regional
Site type	Regional transport	Population	General
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research support	Research, timely/public
Monitor type	SLAMS	SLAMS	--
Sampling method (List Instrument)	API/Teledyne 400	Sierra Anderson 1200	
Analysis method	UV	Gravimetric	
Start date			
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6	1:1
Sampling season	All year	All year	All year
Probe height (meters)			
Distance from supporting structure (meters)			
Distance from obstructions on roof			
Distance from obstructions not on roof (meters)	None	None	None
Distance from trees (meters)	None	None	None
Distance to furnace or incinerator flue (meters)	None	None	None
Distance between collocated monitors (meters)	--	--	--
Unrestricted airflow (degrees)	360	360	360
Probe material (Teflon, etc..)	Teflon	Teflon	Teflon
Residence time (seconds)	9.3	--	--
Frequency of flow rate verification for manual PM samplers audit	--	Once a month	--
Frequency of flow rate verification for automated PM analyzers audit	--	--	--
Frequency of one-point QC check (gaseous)	Twice a month	--	--
Last Annual Performance Evaluation (gaseous)	3/18/2009		--
Last two semi-annual flow rate audits for PM monitors	--	9/18/2008	--

Site name	Shafter
AIRS #	60296001
County	Kern
Reporting Agency	ARB
Site Start Date	1/1/89
Pollutant Parameters	Ozone, NO ₂ , NMOC (PAMS), NMHC
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, barometric pressure, solar radiation
Address	578 Walker St, Shafter CA 93263
Latitude	35.50361
Longitude	-119.273
Elevation (feet)	126
Location	DMV building
Distance to road	15 m (north), 27 m (west)
Traffic Count	
Ground Cover	Paved

Shafter (1 of 2)				
Pollutant	Ozone	NO2	NMOC (PAMS)	NMHC
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	General/background	Population	Population	Population
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research	Research	Research
Monitor type	SLAMS	--	--	--
Sampling method (List Instrument)	400E (ARB)	200E (ARB)	910A	55 sampler
Analysis method	UV	CL	GC	GC
Start date	1/1/1989	1/1/1989	7/1/1994	7/1/1994
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:3	1:1
Sampling season	ALL YEAR	ALL YEAR	JUN-JUL-AUG	ALL YEAR
Probe height (meters)	10.0 m	10.0 m	7.0 m	7.0 m
Distance from supporting structure (meters)	_____	_____	_____	_____
Distance from obstructions on roof	_____	_____	_____	_____
Distance from obstructions not on roof (meters)	_____	_____	_____	_____
Distance from trees (meters)	_____	_____	_____	_____
Distance to furnace or incinerator flue (meters)	_____	_____	10.5 m	11.0 m
Distance between collocated monitors (meters)	_____	_____	_____	_____
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	TEFLON	TEFLON	S. STEEL	TEFLON
Residence time (seconds)	9.5	9.1	_____	9.6
Frequency of flow rate verification for manual PM samplers audit	_____	_____	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____	_____	_____
Frequency of one-point QC check (gaseous)	1:1	1:1	_____	1:1
Last Annual Performance Evaluation (gaseous)	12/15/2009	12/15/2009	5/10/2010	_____
Last two semi-annual flow rate audits for PM monitors	_____	_____	_____	_____

Shafter (2 of 2)	
Pollutant	Met parameters
Spatial scale	Regional
Site type	General
Monitor objective	Research, timely/public
Sampling method (List Instrument)	ITP-BA512AABB, OT-06A-2, BP-090D, RH-HMP45D, SRD-Mod. 8-48, WD-020B, WS-010C
Analysis method	_____
Start date	1/1/1989
Operation schedule (e.g. 1:1, 1:3)	1:1
Sampling season	ALL YEAR
Probe height (meters)	10.0 m
Distance from supporting structure (meters)	_____
Distance from obstructions on roof	_____
Distance from obstructions not on roof (meters)	_____
Distance from trees (meters)	_____
Distance to furnace or incinerator flue (meters)	_____
Distance between collocated monitors (meters)	_____
Unrestricted airflow (degrees)	360
Probe material (Teflon, etc..)	_____
Residence time (seconds)	_____
Frequency of flow rate verification for manual PM samplers audit	_____
Frequency of flow rate verification for automated PM analyzers audit	_____
Frequency of one-point QC check (gaseous)	_____
Last Annual Performance Evaluation (gaseous)	_____
Last two semi-annual flow rate audits for PM monitors	_____

Site name	Corcoran – Patterson
AIRS #	60310004
County	Kings
Reporting Agency	SJVAPCD
Site Start Date	10/1/96
Pollutant Parameters	PM10 FRM, PM10 TEOM, PM2.5 FRM, PM2.5 BAM
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, barometric pressure
Address	1520 Patterson Av, Corcoran CA 93212
Latitude	36.10222
Longitude	-119.566
Elevation (feet)	62
Location	Portable building
Distance to road	35.0 (east), 38.5 (south)
Traffic Count	1035
Ground Cover	Gravel

Corcoran – Patterson (1 of 2)			
Pollutant	PM10 FRM	PM10 TEOM	PM2.5 FRM
Spatial scale	Neighborhood	Neighborhood	Neighborhood
Site type	High concentration	High concentration	High concentration
Monitor objective	Standards/strategy, research support	Timely/public	Standards/strategy, research support
Monitor type	SLAMS	SLAMS	SLAMS
Sampling method (List Instrument)	Sierra Andersen	1020	Andersen 300
Analysis method	Gravimetric	Tapered Element	Gravimetric
Start date	10/1/1996	8/8/2005	10/1/1996
Operation schedule (e.g. 1:1, 1:3)	1:3	1:1	1:3, 1:6
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	6 m	6 m	6 m
Distance from supporting structure (meters)	_____	_____	_____
Distance from obstructions on roof	_____	_____	_____
Distance from obstructions not on roof (meters)	_____	_____	_____
Distance from trees (meters)	59.5 m (1), 65.0 m (2) 50.0 m (3)	48.0 m	50.0 m
Distance to furnace or incinerator flue (meters)	_____	_____	_____
Distance between collocated monitors (meters)	2.0 m (1 to 2) 2 m (1 to 3)	1.3 m	1.2 m
Unrestricted airflow (degrees)	360	360	360
Probe material (Teflon, etc..)	_____	TEFLON	_____
Residence time (seconds)	_____	_____	_____
Frequency of flow rate verification for manual PM samplers audit	QUARTERLY	_____	MONTHLY
Frequency of flow rate verification for automated PM analyzers audit	_____	BI-WEEKLY	_____
Frequency of one-point QC check (gaseous)	_____	_____	_____
Last Annual Performance Evaluation (gaseous)	_____	_____	_____
Last two semi-annual flow rate audits for PM monitors	3/25/2009, 2/24/2010	3/25/2009, 2/24/2010	3/25/2009, 2/24/2010

Corcoran – Patterson (2 of 2)		
Pollutant	PM2.5 BAM	Met Parameters
Spatial scale	Neighborhood	Regional
Site type	High concentration	General
Monitor objective	Timely/public	Research, timely/public
Monitor type	SLAMS	--
Sampling method (List Instrument)	1020	ITP - 110-50HV, OT-06A-2, BP-090D, WD-020C, WS-010B
Analysis method	BETA-ATTENUATION	_____
Start date	4/13/2002	10/1/1996
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR
Probe height (meters)	6 m	9.6 m
Distance from supporting structure (meters)	_____	_____
Distance from obstructions on roof	_____	_____
Distance from obstructions not on roof (meters)	_____	_____
Distance from trees (meters)	50.0 m	51.5 m
Distance to furnace or incinerator flue (meters)	_____	_____
Distance between collocated monitors (meters)	1.2 m	_____
Unrestricted airflow (degrees)	360	360
Probe material (Teflon, etc..)	ALUMINUM	_____
Residence time (seconds)	_____	_____
Frequency of flow rate verification for manual PM samplers audit	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	BI-WEEKLY	_____
Frequency of one-point QC check (gaseous)	_____	_____
Last Annual Performance Evaluation (gaseous)	_____	_____
Last two semi-annual flow rate audits for PM monitors	3/25/2009, 2/24/2010	_____

Site name	Hanford – Irwin
AIRS #	60311004
County	Kings
Reporting Agency	SJVAPCD
Site Start Date	10/11/93
Pollutant Parameters	Ozone, PM10 FRM, PM10 TEOM, PM2.5 BAM/FEM, NO2
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, barometric pressure
Address	807 S Irwin St, Hanford CA 93230
Latitude	36.31472
Longitude	-119.644
Elevation (feet)	82
Location	School roof
Distance to road	158 m (south)
Traffic Count	3383
Ground Cover	Vegetation/roof material

Hanford – Irwin (1 of 2)			
Pollutant	Ozone	PM10 FRM	PM10 TEOM
Spatial scale	Neighborhood	Neighborhood	Neighborhood
Site type	Population	Population	Population
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research support	Timely/public
Monitor type	SLAMS	SLAMS	SPM
Sampling method (List Instrument)	400 E	Sierra Andersen	
Analysis method	UV	Gravimetric	TEOM
Start date	2/25/2010	10/11/1993	
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	5.5 m	5.5 m	5.5 m
Distance from supporting structure (meters)			
Distance from obstructions on roof			
Distance from obstructions not on roof (meters)			
Distance from trees (meters)			
Distance to furnace or incinerator flue (meters)			
Distance between collocated monitors (meters)			
Unrestricted airflow (degrees)	360	360	
Probe material (Teflon, etc..)	TEFLON		
Residence time (seconds)	12.7		
Frequency of flow rate verification for manual PM samplers audit		QUARTERLY	
Frequency of flow rate verification for automated PM analyzers audit			
Frequency of one-point QC check (gaseous)	1:1		
Last Annual Performance Evaluation (gaseous)	2/25/10		
Last two semi-annual flow rate audits for PM monitors		3/25/2009, 2/25/2010	

Hanford – Irwin (2 of 2)			
Pollutant	PM2.5 BAM	NO2	Met Parameters
Spatial scale	Neighborhood	Neighborhood	Neighborhood
Site type	Population	Population	Population
Monitor objective	Timely/public	Timely/public, standards/strategy, research support	Timely/public, standards/strategy, research support
Monitor type	SPM		
Sampling method (List Instrument)	BAM 1020	API 200 A	ITP-110-50HV, OT-06A-2, BP-092, WD-020C, WS- 010C
Analysis method	BETA	CL	
Start date	2/25/2010	2/25/2010	2/25/2010
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	5.5 m	5.5 m	9.6 m
Distance from supporting structure (meters)			
Distance from obstructions on roof			
Distance from obstructions not on roof (meters)			
Distance from trees (meters)			
Distance to furnace or incinerator flue (meters)			
Distance between collocated monitors (meters)			
Unrestricted airflow (degrees)	360	360	360
Probe material (Teflon, etc..)	ALUMINUM	TEFLON	
Residence time (seconds)		14.8	
Frequency of flow rate verification for manual PM samplers audit			
Frequency of flow rate verification for automated PM analyzers audit	BI-WEEKLY		
Frequency of one-point QC check (gaseous)		1:1	
Last Annual Performance Evaluation (gaseous)		2/25/2010	
Last two semi-annual flow rate audits for PM monitors	2/25/2010		

Site name	Santa Rosa Rancheria
AIRS #	60310500
County	Kings
Reporting Agency	Tachi-Yokut
Site Start Date	
Pollutant Parameters	Ozone, PM10
Meteorological Parameters	Unknown
Address	Lemoore, CA
Latitude	
Longitude	
Elevation (feet)	
Location	
Distance to road	
Traffic Count	
Ground Cover	

Santa Rosa Rancheria			
Pollutant	Ozone	PM10	Met Parameters
Spatial scale			
Site type			
Monitor objective			
Monitor type	SPM		
Sampling method (List Instrument)			
Analysis method			
Start date			
Operation schedule (e.g. 1:1, 1:3)			
Sampling season			
Probe height (meters)			
Distance from supporting structure (meters)			
Distance from obstructions on roof			
Distance from obstructions not on roof (meters)			
Distance from trees (meters)			
Distance to furnace or incinerator flue (meters)			
Distance between collocated monitors (meters)			
Unrestricted airflow (degrees)			
Probe material (Teflon, etc..)			
Residence time (seconds)			
Frequency of flow rate verification for manual PM samplers audit			
Frequency of flow rate verification for automated PM analyzers audit			
Frequency of one-point QC check (gaseous)			
Last Annual Performance Evaluation (gaseous)			
Last two semi-annual flow rate audits for PM monitors			

Site name	Madera – City
AIRS #	60392010
County	Madera
Reporting Agency	SJVAPCD
Site Start Date	6/1/2010
Pollutant Parameters	Ozone, PM10 TEOM, PM2.5 BAM
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, barometric pressure, solar radiation
Address	28261 Avenue 14, Madera CA 93638
Latitude	36.953282
Longitude	-120.03421
Elevation (feet)	84
Location	Portable building
Distance to road	686 m
Traffic Count	
Ground Cover	Asphalt

Madera - City				
Pollutant	Ozone	PM10 TEOM	PM2.5 BAM	Met Parameters
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	General/background	Population	Population	General/background
Monitor objective	Timely/public, standards/strategy, research support	Timely/public	Timely/public	Timely/public, standards/strategy, research support
Monitor type	SLAMS	SLAMS	SPM	
Sampling method (List Instrument)	400 E	TEOM	BAM	ITP-110-50HV, OT-06A-2, BP-092, WD-020C, WS-010C
Analysis method	UV	TE	BETA	
Start date	6/1/2010	6/1/2010	6/1/2010	
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1	
Sampling season	ALL YEAR	ALL YEAR		
Probe height (meters)	5.5 m	5.5 m	5.5 m	
Distance from supporting structure (meters)	0.1 m	0.5 m	0.5 m	
Distance from obstructions on roof				
Distance from obstructions not on roof (meters)	39 m	35 m	37.5 m	
Distance from trees (meters)	13 m	15.5 m	14.5 m	
Distance to furnace or incinerator flue (meters)	48 m	43.5 m	45 m	
Distance between collocated monitors (meters)				
Unrestricted airflow (degrees)	360	360	360	
Probe material (Teflon, etc..)	TEFLON	STAINLESS STEEL	ALUMINUM	
Residence time (seconds)	13.5			
Frequency of flow rate verification for manual PM samplers audit				
Frequency of flow rate verification for automated PM analyzers audit		BI-WEEKLY	BI-WEEKLY	
Frequency of one-point QC check (gaseous)	1:1			
Last Annual Performance Evaluation (gaseous)	Scheduled for 7/22/2010			
Last two semi-annual flow rate audits for PM monitors				

Site name	Madera – Pump Yard
AIRS #	60390004
County	Madera
Reporting Agency	SJVAPCD
Site Start Date	10/1/99
Pollutant Parameters	Ozone, NO ₂ , NMOC (PAMS), NMHC
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, barometric pressure, solar radiation
Address	Av 8 and Road 29 1/2, Madera CA 93637
Latitude	36.86722
Longitude	-120.01
Elevation (feet)	85
Location	Portable building, outside school
Distance to road	16.0 m (west)
Traffic Count	0
Ground Cover	Dirt, paved

Madera – Pump Yard (1 of 2)				
Pollutant	Ozone	NO2	NMOC (PAMS)	NMHC
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	General/background	Population	Population	Population
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research	Research	Research
Monitor type	SLAMS	--	--	--
Sampling method (List Instrument)	400E	42	910A	55C
Analysis method	UV	CL	GC	GC
Start date	10/1/1999	10/1/1999	10/1/1999	10/1/1999
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:3	1:1
Sampling season	ALL YEAR	ALL YEAR	JUN-JUL-AUG	ALL YEAR
Probe height (meters)	9.0 m	9.0 m	6.0 m	6.0 m
Distance from supporting structure (meters)	_____	_____	_____	_____
Distance from obstructions on roof	_____	_____	_____	_____
Distance from obstructions not on roof (meters)	_____	_____	_____	_____
Distance from trees (meters)	41.0 m	41.0 m	41.5 m	41.5 m
Distance to furnace or incinerator flue (meters)	_____	_____	_____	_____
Distance between collocated monitors (meters)	_____	_____	_____	_____
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	TEFLON	TEFLON	S. STEEL	TEFLON
Residence time (seconds)	16.9	15.0		16.9
Frequency of flow rate verification for manual PM samplers audit	_____	_____	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____	_____	_____
Frequency of one-point QC check (gaseous)	1:1	1:1	_____	1:1
Last Annual Performance Evaluation (gaseous)	9/18/2008	9/18/2008	5/10/2010	_____
Last two semi-annual flow rate audits for PM monitors	_____	_____	_____	_____

Madera – Pump Yard (2 of 2)	
Pollutant	Met Parameters
Spatial scale	Regional
Site type	General
Monitor objective	Research, timely/public
Sampling method (List Instrument)	ITP, OT, BP, RH, SRD, WD, WS
Analysis method	_____
Start date	10/1/1999
Operation schedule (e.g. 1:1, 1:3)	1:1
Sampling season	ALL YEAR
Probe height (meters)	9.0 m
Distance from supporting structure (meters)	_____
Distance from obstructions on roof	_____
Distance from obstructions not on roof (meters)	_____
Distance from trees (meters)	41.0 m
Distance to furnace or incinerator flue (meters)	_____
Distance between collocated monitors (meters)	_____
Unrestricted airflow (degrees)	360
Probe material (Teflon, etc..)	_____
Residence time (seconds)	_____
Frequency of flow rate verification for manual PM samplers audit	_____
Frequency of flow rate verification for automated PM analyzers audit	_____
Frequency of one-point QC check (gaseous)	_____
Last Annual Performance Evaluation (gaseous)	_____
Last two semi-annual flow rate audits for PM monitors	_____

Site name	Merced – Coffee Road
AIRS #	60470003
County	Merced
Reporting Agency	SJVAPCD
Site Start Date	10/1/91
Pollutant Parameters	Ozone, PM2.5 BAM, NO2
Meteorological Parameters	Wind speed, wind direction, outdoor temperature
Address	385 S. Coffee St., Merced CA 95340
Latitude	37.28167
Longitude	-120.434
Elevation (feet)	107
Location	Portable building, residential area
Distance to road	20 m (east)
Traffic Count	0
Ground Cover	Dirt, vegetated

Merced – Coffee Road				
Pollutant	Ozone	PM2.5 BAM	NO2	Met parameters
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Regional
Site type	Population	Population	Population	General
Monitor objective	Timely/public, standards/strategy, research support	Timely/public	Standards/strategy	Research, timely/public
Monitor type	SLAMS	SPM	--	--
Sampling method (List Instrument)	400E	BAM 1020	42 C	ITP - 110-50HV, OT-06A-2, WD-020C, WS-010B
Analysis method	UV	BETA	CL	_____
Start date	10/1/1991		10/1/1991	10/1/1991
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	5.0 m	5.5 m	5.0 m	8.0 m
Distance from supporting structure (meters)	_____		_____	_____
Distance from obstructions on roof	_____		_____	_____
Distance from obstructions not on roof (meters)	_____		_____	_____
Distance from trees (meters)	13.5 m	13.5 m	13.5 m	13.5 m
Distance to furnace or incinerator flue (meters)	_____		_____	_____
Distance between collocated monitors (meters)	_____		_____	_____
Unrestricted airflow (degrees)	345	345	345	345
Probe material (Teflon, etc..)	TEFLON	ALUMINUM	TEFLON	_____
Residence time (seconds)	11.9		13.7	_____
Frequency of flow rate verification for manual PM samplers audit	_____		_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	BI-WEEKLY	_____	_____
Frequency of one-point QC check (gaseous)	1:1		1:1	_____
Last Annual Performance Evaluation (gaseous)	4/8/2009		4/8/2009	_____
Last two semi-annual flow rate audits for PM monitors	_____		_____	_____

Site name	Merced M Street
AIRS #	60472510
County	Merced
Reporting Agency	SJVAPCD
Site Start Date	4/1/99
Pollutant Parameters	PM10 FRM, PM2.5 FRM
Meteorological Parameters	none
Address	2334 M Street, Merced CA 95340
Latitude	37.30861
Longitude	-120.48
Elevation (feet)	35
Location	Roof, post office
Distance to road	100 m (railroad, east); PM10: 66 m (north) & 72.5 m (south); PM2.5: 52.5 m (north), 87 m (south)
Traffic Count	22400
Ground Cover	Gravel

Merced M Street		
Pollutant	PM10 FRM	PM2.5 FRM
Spatial scale	Neighborhood	Neighborhood
Site type	Representative concentration	Representative concentration
Monitor objective	Standards/strategy, research support	Standards/strategy, research support
Monitor type	SLAMS	SLAMS
Sampling method (List Instrument)	Sierra Andersen	Andersen 300
Analysis method	GRAVI-METRIC	GRAVI-METRIC
Start date	4/1/1999	4/1/1999
Operation schedule (e.g. 1:1, 1:3)	1:6	1:3, 1:6
Sampling season	ALL YEAR	ALL YEAR
Probe height (meters)	8.7 m	8.7 m
Distance from supporting structure (meters)	_____	_____
Distance from obstructions on roof	_____	_____
Distance from obstructions not on roof (meters)	_____	_____
Distance from trees (meters)	_____	_____
Distance to furnace or incinerator flue (meters)	38.5 m	45.0 m
Distance between collocated monitors (meters)	_____	_____
Unrestricted airflow (degrees)	360	360
Probe material (Teflon, etc..)	_____	_____
Residence time (seconds)	_____	_____
Frequency of flow rate verification for manual PM samplers audit	QUARTERLY	MONTHLY
Frequency of flow rate verification for automated PM analyzers audit	_____	_____
Frequency of one-point QC check (gaseous)	_____	_____
Last Annual Performance Evaluation (gaseous)	_____	_____
Last two semi-annual flow rate audits for PM monitors	1/29/09, 4/8/2009	1/29/09, 4/8/2009

Site name	Stockton – Hazelton
AIRS #	60771002
County	San Joaquin
Reporting Agency	ARB
Site Start Date	
Pollutant Parameters	Ozone, PM10 FRM, PM2.5 FRM, PM2.5 BAM, CO, NO2, toxics
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity
Address	1593 E Hazelton St, Stockton CA 95205
Latitude	37.95167
Longitude	-121.269
Elevation (feet)	4
Location	
Distance to road	62 m
Traffic Count	1000
Ground Cover	

Stockton – Hazelton (1 of 2)				
Pollutant	Ozone	PM10 FRM	PM2.5 FRM	PM2.5 BAM
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	Population	Population	Population	Population
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research support	Standards/strategy, research support	Timely/public
Monitor type	SLAMS	SLAMS	SLAMS	SLAMS
Sampling method (List Instrument)	API/Teledyne 400	Sierra Anderson 1200	R&P 2025	Met One 1020
Analysis method	UV	Gravimetric	Gravimetric	Beta Attenuation
Start date				
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6	1:3	1:1
Sampling season	All year	All year	All year	All year
Probe height (meters)				
Distance from supporting structure (meters)				
Distance from obstructions on roof				
Distance from obstructions not on roof (meters)	None	None	None	None
Distance from trees (meters)	2.5	2.5	2.5	2.5
Distance to furnace or incinerator flue (meters)	None	None	None	None
Distance between collocated monitors (meters)	--	--	--	--
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	Teflon	Teflon	Teflon	Teflon
Residence time (seconds)	9.0	--	--	--
Frequency of flow rate verification for manual PM samplers audit	--	Once a month	Once a month	--
Frequency of flow rate verification for automated PM analyzers audit	--	--	--	Twice a month
Frequency of one-point QC check (gaseous)	Twice a month	--	--	--
Last Annual Performance Evaluation (gaseous)	12/10/2008	--	--	--
Last two semi-annual flow rate audits for PM monitors	--	12/10/2008	12/10/2008	12/10/2008

Stockton – Hazelton (2 of 2)				
Pollutant	CO	NO2	Toxics	Met parameters
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Regional
Site type	Population	Population	Population	General
Monitor objective	Standards/strategy	Standards/strategy	Timely/public	Research, timely/public
Sampling method (List Instrument)	Dasibi 3008	Teco 42, 42C	Xontech 924	
Analysis method	IR	CL		
Start date				
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1	1:1
Sampling season	All year	All year	All year	All year
Probe height (meters)				
Distance from supporting structure (meters)				
Distance from obstructions on roof				
Distance from obstructions not on roof (meters)	None	None	None	None
Distance from trees (meters)	2.5	2.5	2.5	2.5
Distance to furnace or incinerator flue (meters)	None	None	None	None
Distance between collocated monitors (meters)	--	--	2	--
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	Teflon	Teflon	Teflon	Teflon
Residence time (seconds)	7.9	8.7	--	--
Frequency of flow rate verification for manual PM samplers audit				
Frequency of flow rate verification for automated PM analyzers audit				
Frequency of one-point QC check (gaseous)				
Last Annual Performance Evaluation (gaseous)				
Last two semi-annual flow rate audits for PM monitors				

Site name	Stockton – Wagner – Holt
AIRS #	60773010
County	San Joaquin
Reporting Agency	SJVAPCD
Site Start Date	10/1/96
Pollutant Parameters	PM10 FRM
Meteorological Parameters	none
Address	8778 Brattle Pl, Stockton CA 95209
Latitude	38.02972
Longitude	-121.353
Elevation (feet)	26.5 ft
Location	On school roof
Distance to road	30 m (north), 60 m (west)
Traffic Count	0
Ground Cover	Felt/rubber

Stockton – Wagner – Holt	
Pollutant	PM10 FRM
Spatial scale	Neighborhood
Site type	Population
Monitor objective	Standards/strategy, research support
Monitor type	SLAMS
Sampling method (List Instrument)	Anderson
Analysis method	GRAVI-METRIC
Start date	10/1/1996
Operation schedule (e.g. 1:1, 1:3)	1:6
Sampling season	ALL YEAR
Probe height (meters)	10 m
Distance from supporting structure (meters)	1.5 m
Distance from obstructions on roof	11.8 m
Distance from obstructions not on roof (meters)	_____
Distance from trees (meters)	12.5 m
Distance to furnace or incinerator flue (meters)	_____
Distance between collocated monitors (meters)	_____
Unrestricted airflow (degrees)	280
Probe material (Teflon, etc..)	_____
Residence time (seconds)	_____
Frequency of flow rate verification for manual PM samplers audit	QUARTERLY
Frequency of flow rate verification for automated PM analyzers audit	_____
Frequency of one-point QC check (gaseous)	_____
Last Annual Performance Evaluation (gaseous)	_____
Last two semi-annual flow rate audits for PM monitors	2/10/2009, 6/30/2009

Site name	Tracy – Airport
AIRS #	60773005
County	San Joaquin
Reporting Agency	SJVAPCD
Site Start Date	1/11/05
Pollutant Parameters	Ozone, PM10 TEOM, PM2.5 BAM, NO2
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, barometric pressure, radio acoustic sounding system (RASS)
Address	5749 S. Tracy Blvd., Tracy CA 95376
Latitude	37.682682
Longitude	-121.442393
Elevation (feet)	301
Location	Municipal airport yard
Distance to road	685.7 m
Traffic Count	868
Ground Cover	Gravel

Tracy – Airport (1 of 2)				
Pollutant	Ozone	PM10 TEOM	PM2.5 BAM	NO2
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	Regional transport	Regional transport	Regional transport	Population
Monitor objective	Timely/public, standards/strategy, research support	Timely/public	Timely/public	Standards/strategy
Monitor type	SLAMS	SLAMS	SPM	--
Sampling method (List Instrument)	400E	TEOM	BAM 1020	42C
Analysis method	UV	TAPERED ELEMENT	BETA-ATTENUATION	CL
Start date	1/11/2005	10/25/2005	1/11/2005	1/11/2005
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	7.0 m	6.5 m	6.5 m	7.0 m
Distance from supporting structure (meters)	_____	_____	_____	_____
Distance from obstructions on roof	_____	_____	_____	_____
Distance from obstructions not on roof (meters)	42.7 m	42.7 m	42.7 m	42.7 m
Distance from trees (meters)	41.5 m	41.5 m	41.5 m	41.5 m
Distance to furnace or incinerator flue (meters)	_____	_____	_____	_____
Distance between collocated monitors (meters)	_____	3.5m	3.5m	_____
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	TEFLON	TEFLON	ALUMINUM	TEFLON
Residence time (seconds)	10.6	_____	_____	13.8
Frequency of flow rate verification for manual PM samplers audit	_____	_____	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	BI-WEEKLY	BI-WEEKLY	_____
Frequency of one-point QC check (gaseous)	1:1	_____	_____	1:1
Last Annual Performance Evaluation (gaseous)	3/23/2009	_____	_____	3/23/2009
Last two semi-annual flow rate audits for PM monitors	_____	12/12/2008, 3/23/2009	12/12/2008, 3/23/2009	_____

Tracy – Airport (2 of 2)	
Pollutant	Met parameters
Spatial scale	Regional
Site type	General
Monitor objective	Research, timely/public
Sampling method (List Instrument)	ITP-125-125 HV, OT-06A-2, BP-092, WD-020C, WS-010C
Analysis method	_____
Start date	1/11/2005
Operation schedule (e.g. 1:1, 1:3)	1:1
Sampling season	ALL YEAR
Probe height (meters)	10 m
Distance from supporting structure (meters)	_____
Distance from obstructions on roof	_____
Distance from obstructions not on roof (meters)	_____
Distance from trees (meters)	48.7m
Distance to furnace or incinerator flue (meters)	_____
Distance between collocated monitors (meters)	_____
Unrestricted airflow (degrees)	360
Probe material (Teflon, etc..)	_____
Residence time (seconds)	_____
Frequency of flow rate verification for manual PM samplers audit	_____
Frequency of flow rate verification for automated PM analyzers audit	_____
Frequency of one-point QC check (gaseous)	_____
Last Annual Performance Evaluation (gaseous)	_____
Last two semi-annual flow rate audits for PM monitors	_____

Site name	Modesto – 14th Street
AIRS #	60990005
County	Stanislaus
Reporting Agency	ARB
Site Start Date	1/1/81
Pollutant Parameters	Ozone, PM10 FRM, PM2.5 FRM, PM2.5 BAM, CO
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, barometric pressure
Address	814 14th Street, Modesto CA 95354
Latitude	37.64194
Longitude	-120.994
Elevation (feet)	27
Location	
Distance to road	13 m
Traffic Count	10000
Ground Cover	

Modesto – 14th Street (1 of 2)				
Pollutant	Ozone	PM10 FRM	PM2.5 FRM	PM2.5 BAM
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	Population	Population	Population	Population
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research support	Standards/strategy, research support	Timely/public
Monitor type	SLAMS	SLAMS	SLAMS	SLAMS
Sampling method (List Instrument)	API/Teledyne 400	Sierra Anderson 1200	R&P 2025	Met One 1020
Analysis method	UV	Gravimetric	Gravimetric	Beta Attenuation
Start date				
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6	1:3	1:1
Sampling season	All year	All year	All year	All year
Probe height (meters)				
Distance from supporting structure (meters)				
Distance from obstructions on roof				
Distance from obstructions not on roof (meters)	None	None	None	None
Distance from trees (meters)	None	None	None	None
Distance to furnace or incinerator flue (meters)	None	None	None	None
Distance between collocated monitors (meters)	--	--	--	--
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	Teflon	Teflon	Teflon	Teflon
Residence time (seconds)	6.1	--	--	--
Frequency of flow rate verification for manual PM samplers audit	--	Once a month	Once a month	--
Frequency of flow rate verification for automated PM analyzers audit	--	--	--	Twice a month
Frequency of one-point QC check (gaseous)	Twice a month	--	--	--
Last Annual Performance Evaluation (gaseous)	4/9/2009	--	--	--
Last two semi-annual flow rate audits for PM monitors	--	4/9/2009	4/9/2009	4/9/2009

Modesto – 14th Street (2 of 2)		
Pollutant	CO	Met parameters
Spatial scale	Neighborhood	Regional
Site type	Population	General
Monitor objective	Standards/strategy	Research, timely/public
Sampling method (List Instrument)	Dasibi 3008	
Analysis method	IR	
Start date		
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1
Sampling season	All year	All year
Probe height (meters)		
Distance from supporting structure (meters)		
Distance from obstructions on roof		
Distance from obstructions not on roof (meters)	None	None
Distance from trees (meters)	None	None
Distance to furnace or incinerator flue (meters)	None	None
Distance between collocated monitors (meters)	--	--
Unrestricted airflow (degrees)	360	360
Probe material (Teflon, etc..)	Teflon	Teflon
Residence time (seconds)	6.1	--
Frequency of flow rate verification for manual PM samplers audit	--	--
Frequency of flow rate verification for automated PM analyzers audit	--	--
Frequency of one-point QC check (gaseous)	Twice a month	--
Last Annual Performance Evaluation (gaseous)	4/9/2009	--
Last two semi-annual flow rate audits for PM monitors	--	--

Site name	Turlock
AIRS #	60990006
County	Stanislaus
Reporting Agency	SJVAPCD
Site Start Date	1994
Pollutant Parameters	Ozone, PM10 FRM, PM2.5 BAM, CO, NO2
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, barometric pressure
Address	1034 S Minaret St, Turlock CA 95380
Latitude	37.48806
Longitude	-120.836
Elevation (feet)	30
Location	Portable building – neighborhood
Distance to road	32 m (east), 4 m (north)
Traffic Count	670
Ground Cover	Gravel

Turlock (1 of 2)				
Pollutant	Ozone	PM10 FRM	PM2.5 BAM	CO
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	Population	Population	Population	Population
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research support	Timely/public	Standards/strategy
Monitor type	SLAMS	SLAMS	SLAMS	--
Sampling method (List Instrument)	400E	Sierra Andersen	1020	48C
Analysis method	UV	GRAVIMETRIC	Beta Attenuation	IR
Start date	1994	1994	9/14/2006	1994
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	7 m	6.5 m	5.4 m	7 m
Distance from supporting structure (meters)	_____	_____	_____	_____
Distance from obstructions on roof	_____	_____	_____	_____
Distance from obstructions not on roof (meters)	_____	_____	_____	_____
Distance from trees (meters)	37.5 m	37.5 m	37.5 m	37.5 m
Distance to furnace or incinerator flue (meters)	48.0 m	48.0 m	48.0 m	48.0 m
Distance between collocated monitors (meters)	_____	_____	_____	_____
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	TEFLON	_____	ALUMINUM	TEFLON
Residence time (seconds)	14.8	_____	_____	14
Frequency of flow rate verification for manual PM samplers audit	_____	QUARTERLY	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____	BI-WEEKLY	_____
Frequency of one-point QC check (gaseous)	1:1	_____	_____	1:1
Last Annual Performance Evaluation (gaseous)	3/24/2009	_____	_____	3/24/2009
Last two semi-annual flow rate audits for PM monitors	_____	10/14/2008, 3/24/2009	3/24/2009, 5/1/2009	_____

Turlock (2 of 2)		
Pollutant	NO2	Met parameters
Spatial scale	Neighborhood	Regional
Site type	Population	General
Monitor objective	Standards/strategy	Research, timely/public
Sampling method (List Instrument)	42C	ITP-125-125 HV, OT-060A-2, BP-090D, WD-020C, WS-010C
Analysis method	CL	_____
Start date	1994	1994
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR
Probe height (meters)	7 m	7.7 m 7 m (OT)
Distance from supporting structure (meters)	_____	_____
Distance from obstructions on roof	_____	_____
Distance from obstructions not on roof (meters)	_____	_____
Distance from trees (meters)	37.5 m	37.5 m
Distance to furnace or incinerator flue (meters)	48.0 m	48.0 m
Distance between collocated monitors (meters)	_____	_____
Unrestricted airflow (degrees)	360	360
Probe material (Teflon, etc..)	TEFLON	_____
Residence time (seconds)	14.1	_____
Frequency of flow rate verification for manual PM samplers audit	_____	_____
Frequency of flow rate verification for automated PM analyzers audit	_____	_____
Frequency of one-point QC check (gaseous)	1:1	_____
Last Annual Performance Evaluation (gaseous)	3/24/2009	_____
Last two semi-annual flow rate audits for PM monitors	_____	_____

Site name	Porterville
AIRS #	61072010
County	Tulare
Reporting Agency	SJVAPCD
Site Start Date	3/8/2010
Pollutant Parameters	
	Ozone, PM2.5 BAM
Meteorological Parameters	
	Wind speed, wind direction, outdoor temperature, barometric pressure
Address	
	1839 S. Newcomb Street, Porterville CA 93257
Latitude	36.031031
Longitude	-119.055018
Elevation (feet)	136 ft
Location	Portable building on parking lot
Distance to road	
	160 m (east)
Traffic Count	
Ground Cover	Paved

Porterville			
Pollutant	Ozone	PM2.5 BAM	Met Parameters
Spatial scale	Neighborhood	Neighborhood	Neighborhood
Site type	Population	Population	Population
Monitor objective	Timely/public, standards/strategy, research support	Timely/public	Timely/public
Monitor type	SLAMS	SPM	
Sampling method (List Instrument)	400 E	1020	ITP-125-125 HV, OT-060A-2, BP-090D, WD-020C, WS-010C
Analysis method	UV	BETA-ATTENUATION	
Start date	3/8/2010	3/8/2010	3/8/2010
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1	1:1
Sampling season	ALL YEAR	ALL YEAR	ALL YEAR
Probe height (meters)	5.4 m	5.4 m	9.6 m
Distance from supporting structure (meters)			
Distance from obstructions on roof			
Distance from obstructions not on roof (meters)	10 m	10 m	
Distance from trees (meters)			
Distance to furnace or incinerator flue (meters)			
Distance between collocated monitors (meters)			
Unrestricted airflow (degrees)	345	345	345
Probe material (Teflon, etc.)	TEFLON	ALUMINUM	
Residence time (seconds)	6.0		
Frequency of flow rate verification for manual PM samplers audit			
Frequency of flow rate verification for automated PM analyzers audit		BI-WEEKLY	
Frequency of one-point QC check (gaseous)	1:1		
Last Annual Performance Evaluation (gaseous)	Scheduled for 7/20/2010		
Last two semi-annual flow rate audits for PM monitors			

Site name	Sequoia – Ash Mountain
AIRS #	61070009
County	Tulare
Reporting Agency	NPS
Site Start Date	1/1/00
Pollutant Parameters	
	Ozone, PM2.5 FRM, PM2.5 BAM
Meteorological Parameters	
	Wind speed, wind direction, outdoor temperature, relative humidity, solar radiation
Address	
	Ash Mountain, Sequoia National Park CA
Latitude	36.48944
Longitude	-118.829
Elevation (feet)	1500
Location	
Distance to road	
	167 m
Traffic Count	1000
Ground Cover	

Sequoia – Ash Mountain				
Pollutant	Ozone	PM2.5 FRM	PM2.5 BAM	Met parameters
Spatial scale	Regional	Regional	Regional	Regional
Site type	Regional transport	Regional transport	Regional transport	General
Monitor objective	Timely/public, standards/strategy, research support	Research support	Timely/public	Research, timely/public
Monitor type	SPM	SPM	SPM	--
Sampling method (List Instrument)	TECO 49, 49C			
Analysis method	UV	Gravimetric	Beta Attenuation	
Start date	2000	1992	2007	
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6	1:1	1:1
Sampling season	All year	All year	All year	All year
Probe height (meters)	10	5	4	
Distance from supporting structure (meters)	3	2	1.5	
Distance from obstructions on roof	5			
Distance from obstructions not on roof (meters)	--			
Distance from trees (meters)	15 – 20	10 - 20	15 – 20	
Distance to furnace or incinerator flue (meters)	305	305	305	
Distance between collocated monitors (meters)	3	3	3	
Unrestricted airflow (degrees)	360	360	360	
Probe material (Teflon, etc..)	Teflon	Teflon	Teflon	
Residence time (seconds)	--			
Frequency of flow rate verification for manual PM samplers audit				
Frequency of flow rate verification for automated PM analyzers audit				
Frequency of one-point QC check (gaseous)				
Last Annual Performance Evaluation (gaseous)	March 2009		December 2008, August 2007	
Last two semi-annual flow rate audits for PM monitors				

Site name	Sequoia – Lower Kaweah
AIRS #	61070006
County	Tulare
Reporting Agency	NPS
Site Start Date	4/1/87
Pollutant Parameters	Ozone
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, solar radiation
Address	Lower Kaweah Campground, Sequoia National Park, CA
Latitude	36.56611
Longitude	-118.778
Elevation (feet)	6200
Location	
Distance to road	1500 m
Traffic Count	5000
Ground Cover	

Sequoia – Lower Kaweah		
Pollutant	Ozone	Met parameters
Spatial scale	Regional	Regional
Site type	Regional transport	General
Monitor objective	Timely/public, standards/strategy, research support	Research, timely/public
Monitor type	SPM	--
Sampling method (List Instrument)	TECO 49, 49C	
Analysis method		
Start date	1982	
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1
Sampling season	All year	All year
Probe height (meters)	10	
Distance from supporting structure (meters)		
Distance from obstructions on roof		
Distance from obstructions not on roof (meters)		
Distance from trees (meters)	15 – 20	
Distance to furnace or incinerator flue (meters)	750	
Distance between collocated monitors (meters)		
Unrestricted airflow (degrees)		
Probe material (Teflon, etc..)	Teflon	
Residence time (seconds)		
Frequency of flow rate verification for manual PM samplers audit		
Frequency of flow rate verification for automated PM analyzers audit		
Frequency of one-point QC check (gaseous)		
Last Annual Performance Evaluation (gaseous)	March 2009	
Last two semi-annual flow rate audits for PM monitors		

Site name	Visalia – Airport
AIRS #	61073000
County	Tulare
Reporting Agency	SJVAPCD
Site Start Date	September 2000
Pollutant Parameters	None
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, relative humidity, barometric pressure, solar radiation, radio acoustic sounding system (RASS)
Address	Airport, Visalia CA 93291
Latitude	36.31389
Longitude	-119.392
Elevation (feet)	90
Location	Municipal airport yard
Distance to road	81 m (west), 29.5 (parking lot)
Traffic Count	32000
Ground Cover	Vegetated

Visalia – Airport	
Pollutant	Met parameters
Spatial scale	Regional
Site type	General
Monitor objective	Research, timely/public
Sampling method (List Instrument)	ITP-125-125 HV, OT-06A-2, BP-090D, RH-083-0-6, SRD-Mod. 8-48, WD-020C, WS-010B
Analysis method	_____
Start date	10/1/1999
Operation schedule (e.g. 1:1, 1:3)	1:1
Sampling season	ALL YEAR
Probe height (meters)	10 m
Distance from supporting structure (meters)	_____
Distance from obstructions on roof	_____
Distance from obstructions not on roof (meters)	_____
Distance from trees (meters)	8 m
Distance to furnace or incinerator flue (meters)	_____
Distance between collocated monitors (meters)	_____
Unrestricted airflow (degrees)	270
Probe material (Teflon, etc..)	_____
Residence time (seconds)	_____
Frequency of flow rate verification for manual PM samplers audit	_____
Frequency of flow rate verification for automated PM analyzers audit	_____
Frequency of one-point QC check (gaseous)	_____
Last Annual Performance Evaluation (gaseous)	_____
Last two semi-annual flow rate audits for PM monitors	_____

Site name	Visalia - Church
AIRS #	61072002
County	Tulare
Reporting Agency	ARB
Site Start Date	7/1/79
Pollutant Parameters	Ozone, PM10 FRM, PM2.5 FRM, PM2.5 BAM, NO2
Meteorological Parameters	Wind speed, wind direction, outdoor temperature, barometric pressure
Address	310 N. Church St, Visalia CA 93291
Latitude	36.3325
Longitude	-119.291
Elevation (feet)	97
Location	Portable building
Distance to road	23 m
Traffic Count	10000
Ground Cover	

Visalia (1 of 2)				
Pollutant	Ozone	PM10 FRM	PM2.5 FRM	PM2.5 BAM
Spatial scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Site type	Population	Population	Population	Regional transport
Monitor objective	Timely/public, standards/strategy, research support	Standards/strategy, research support	Standards/strategy, research support	Timely/public
Monitor type	SLAMS	SLAMS	SLAMS	SLAMS
Sampling method (List Instrument)	API/Teledyne	Sierra Anderson 1200	R&P 2025	Met One 1020
Analysis method	UV	Gravimetric	Gravimetric	Beta attenuation
Start date				
Operation schedule (e.g. 1:1, 1:3)	1:1	1:6	1:3	1:1
Sampling season	All year	All year	All year	All year
Probe height (meters)				
Distance from supporting structure (meters)				
Distance from obstructions on roof				
Distance from obstructions not on roof (meters)	None	None	None	None
Distance from trees (meters)	None	None	None	None
Distance to furnace or incinerator flue (meters)	None	None	None	None
Distance between collocated monitors (meters)	--	--	--	--
Unrestricted airflow (degrees)	360	360	360	360
Probe material (Teflon, etc..)	Teflon	Teflon	Teflon	Teflon
Residence time (seconds)	14.2	--	--	--
Frequency of flow rate verification for manual PM samplers audit	--	Once a month	Once a month	--
Frequency of flow rate verification for automated PM analyzers audit	--	--	--	Twice a month
Frequency of one-point QC check (gaseous)	Twice a month	--	--	--
Last Annual Performance Evaluation (gaseous)	3/24/2009	--	--	--
Last two semi-annual flow rate audits for PM monitors	--	3/24/2009	3/24/2009	3/24/2009

Visalia (2 of 2)		
Pollutant	NO2	Met parameters
Spatial scale	Neighborhood	Regional
Site type	Population	General
Monitor objective	Standards/strategy	Research, timely/public
Sampling method (List Instrument)	TECO 42, 42C	
Analysis method	CL	
Start date		
Operation schedule (e.g. 1:1, 1:3)	1:1	1:1
Sampling season	All year	All year
Probe height (meters)		
Distance from supporting structure (meters)		
Distance from obstructions on roof		
Distance from obstructions not on roof (meters)	None	None
Distance from trees (meters)	None	None
Distance to furnace or incinerator flue (meters)	None	None
Distance between collocated monitors (meters)	--	--
Unrestricted airflow (degrees)	360	360
Probe material (Teflon, etc..)	Teflon	Teflon
Residence time (seconds)	19.0	--
Frequency of flow rate verification for manual PM samplers audit	--	--
Frequency of flow rate verification for automated PM analyzers audit	--	--
Frequency of one-point QC check (gaseous)	Twice a month	--
Last Annual Performance Evaluation (gaseous)	3/24/2009	--
Last two semi-annual flow rate audits for PM monitors	--	--