



Quality Assurance Document

Interim Summary
PM_{2.5} Completeness, Precision,
Accuracy and Bias

Time Period Covered: CY 2001
Quarters 1, 2 and 3

Based on AIRS Extractions Dated:
1/02/02



Interim Summary of PM_{2.5} Completeness, Precision, Accuracy and Bias
Time Period Covered: CY 2001
Based on AIRS Extractions Dated: 1/02/02

The following attachments provide an interim summary of PM_{2.5} mass data completeness, precision, accuracy and bias for the 1st, 2nd and 3rd quarters of calendar year 2001 based on AIRS extractions of 1/02/01. It is expected that Quarters 1 - 3 in CY2001 would be complete at this time with a complete and certified data base by July 1 2002.

The attachments in this interim data summary are very similar to the attachments found in the CY1999 and 2000 PM_{2.5} QA Reports. They are provided for the following of reasons:

- < to provide preliminary estimates on precision, bias, accuracy and data completeness
- < to identify data that appear to have discrepancies or that have an effect on the data quality estimates. The intent of identifying these data are to provide the monitoring organizations an opportunity to review this information and make appropriate corrections prior to OAQPS AIRS extraction in July for development of the CY2001 QA Report.

Interim Report on PM2.5 Data Completeness, Precision, Bias, and Accuracy

Time Period Covered: CY 2001 Quarters 1-3

Based on AIRS Extractions Dated: 1/02/02

I. PM2.5 Raw Concentration Data

- A. Table of Completeness of Raw Data Attachment 1A
- B. Raw Data Completeness Plots Attachment 1B

II. PM2.5 Precision

- A. Table of Completeness of Precision Data Attachment IIA
- B. Precision Completeness Plots Attachment IIB
- C. CY99 to 01 National Precision Estimates (Graphics) Attachment IIC
- D. Table of 2000 Precision Estimates for Each Reporting Organization and for Each Site
Comprising the Reporting Organization Attachment IID

III. PM2.5 Accuracy (Flow Rate Audits)

- A. Table of Completeness of Accuracy Attachment IIIA
- B. Accuracy Completeness Plots Attachment IIIB
- C. Accuracy Summary Information Data Attachment IIIC

IV. PM2.5 Bias (Performance Evaluation Program)

- A. Table of Completeness of Bias Data Attachment IVA
- B. Completeness by Region/State/Site Attachment IVB
- C. CY99 to 01 National Bias Estimates (Graphics) Attachment IVC
- D. CY01 National Bias Estimates (Table) Attachment IVD
- E. Distribution of PEP/Routine Sample Pairs by Region/State/Site Attachment IVE
- F. Site/Days Where PEP Values Have No State Matching Samples Attachment IVF
- G. Bias Estimates > 50% or < -50% Attachment IVG
- H. Site Data Where There is at Least 1 Value > 50% or < -50% Attachment IVH

Attachment IA. Table of Completeness of Raw Data

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
060450006	1	2	1	.	.	01/01/99	.	01/07/99
060450006	2	2	1	.	.	01/01/99	.	01/12/99
060472510	1	2	1	.	.	04/01/99	.	04/12/99	3	87%	6	81%	6	100%	1	1	
060490001	1	2	1	.	.	01/12/99	.	01/12/99	6	93%	6	100%	6	100%	1	1	
060510001	1	2	1	.	.	10/01/00	.	11/20/00	3	90%	3	48%	3	7%	.	.	
060531002	1	2	1	.	.	01/01/99	.	01/15/99	.	.	.	.	.	.	.	.
060531003	1	2	1	.	.	01/01/00	.	01/04/00	.	.	.	.	.	.	.	.
060531003	2	2	.	.	.	01/01/00	.	.	.	.	.	.	.	.	.	.
060570005	1	2	1	.	.	12/30/98	.	01/03/99	6	94%	6	94%	6	100%	1	1	
060571001	1	2	1	.	.	03/31/99	.	03/31/99	3	83%	3	100%	3	94%	1	1	
060571001	2	2	1	.	.	05/12/99	.	05/12/99	6	53%	6	94%	6	100%	.	.	
060590001	1	2	1	.	.	01/01/99	.	01/03/99	1	88%	1	70%	1	22%	.	1	
060590001	2	2	1	.	.	01/01/99	.	02/11/99	.	.	.	.	.	.	.	.
060590001	3	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060592022	1	3	1	.	.	06/15/99	.	06/17/99	3	93%	3	84%	3	80%	1	1	
060592022	2	3	.	.	.	06/15/99	.	.	.	.	.	.	.	.	.	.
060610006	1	2	1	.	.	12/31/98	.	01/06/99	6	100%	6	100%	6	100%	1	1	
060631006	1	2	1	.	.	03/26/99	.	03/26/99	3	77%	3	85%	3	91%	1	1	
060631009	1	2	1	.	.	03/21/00	.	03/21/00	3	77%	3	94%	3	100%	1	1	
060651003	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	84%	3	73%	.	1	
060651003	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060652002	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	3	94%	3	93%	1	1	
060652002	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060652002	3	2	.	.	.	01/01/00	.	.	.	.	.	.	.	.	.	.
060655001	1	2	1	.	.	10/10/99	.	01/01/00	3	97%	3	87%	3	90%	1	1	
060655001	2	2	.	.	.	10/10/99	.	.	.	.	.	.	.	.	.	.
060658001	1	2	1	.	.	01/01/99	.	01/03/99	1	87%	1	91%	1	86%	1	1	
060658001	2	2	1	.	.	01/01/99	.	01/08/99	.	.	.	.	.	.	.	.
060658001	3	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060658001	5	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
060658001	6	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
060670006	1	2	1	.	.	01/03/99	.	01/03/99	1	36%	3	100%	3	93%	.	1	
060670006	2	2	1	.	.	02/17/99	.	02/17/99	6	53%	6	81%	6	93%	.	.	
060670006	5	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.
060670010	1	2	1	.	.	12/13/98	.	01/03/99	1	72%	1	81%	1	84%	.	1	
060670010	7	2	.	1	.	09/01/98	01/13/01	.	.	.	.	.	.	.	.	.
060674001	1	2	1	.	.	02/02/99	.	02/02/99	1	29%	3	90%	3	60%	.	1	
060710014	1	2	1	.	.	01/01/99	.	01/03/99	.	.	.	.	.	.	.	.
060710025	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	100%	3	97%	1	1	
060710025	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060710306	1	2	1	.	.	01/01/00	.	01/01/00	3	100%	3	90%	.	.	.	.
060710306	2	2	1	.	.	01/01/00	.	07/05/00	6	80%	6	94%	.	.	.	.
060712002	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	87%	3	100%	1	1	
060712002	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060712002	3	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060718001	1	3	1	.	.	02/08/99	.	02/08/99	6	88%	6	100%	6	100%	1	1	
060718001	2	3	.	.	.	02/08/99	.	.	.	.	.	.	.	.	.	.
060719004	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	3	100%	3	83%	1	1	
060719004	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060730001	1	2	1	.	.	01/01/99	.	01/03/99	3	90%	3	87%	3	87%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
060730003	1	2	1	.	.	01/01/99	.	01/01/99	1	81%	1	89%	1	98%	1	1	
060730003	5	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
060730006	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	3	94%	3	93%	1	1	
060731002	1	2	1	.	.	01/01/99	.	01/01/99	1	89%	1	80%	1	95%	1	1	
060731007	1	2	1	.	.	01/01/99	.	01/01/99	1	86%	1	87%	1	76%	1	1	
060731009	1	3	.	.	1	12/01/99	.	.	.	.	.	.	.	.	.	.
060750005	1	2	1	.	.	01/01/99	.	01/03/99	1	94%	.	.	.	.	.	.
060750005	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060771002	1	2	1	.	.	01/03/99	.	01/03/99	3	91%	3	84%	3	97%	1	1	
060792002	1	2	1	.	.	01/01/99	.	01/06/99	6	67%	6	88%	6	100%	.	.	
060798001	1	2	1	.	.	01/01/99	.	01/06/99	6	93%	6	94%	6	93%	1	1	
060798001	2	2	1	.	.	01/01/99	.	01/06/99	6	93%	6	94%	6	100%	1	1	
060811001	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	.	.	.	.	.	.
060811001	2	2	.	.	.	12/31/99	.	.	.	.	.	.	.	.	.	.
060830010	1	2	1	.	.	01/01/99	.	01/06/99	.	.	.	.	.	.	.	.
060831007	1	2	1	.	.	08/04/99	.	08/04/99	6	100%	6	100%	6	100%	1	1	
060831007	3	2	.	.	.	08/04/99	.	.	.	.	.	.	.	.	.	.
060850004	1	2	.	.	.	09/01/98	.	.	.	.	.	.	.	.	.	.
060850004	2	2	1	.	.	01/01/99	.	01/06/99	1	89%	.	.	.	.	.	.
060850004	3	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060850004	5	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.
060852003	1	2	1	.	.	01/01/99	.	01/03/99	1	80%	.	.	.	.	.	.
060852003	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060870007	1	2	1	.	.	01/01/99	.	01/06/99	.	.	.	.	.	.	.	.
060870007	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060890004	1	2	1	.	.	12/19/98	.	01/06/99	6	100%	6	100%	6	100%	1	1	
060950004	1	2	1	.	.	01/01/99	.	02/20/99	3	100%	.	.	.	.	.	.
060950004	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060970003	1	2	1	.	.	01/01/99	.	01/24/99	3	94%	.	.	.	.	.	.
060970003	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
060990005	1	2	1	.	.	01/03/99	.	01/03/99	3	94%	3	91%	3	100%	1	1	
061010003	1	2	1	.	.	12/19/98	.	01/06/99	6	100%	6	100%	6	100%	1	1	
061010003	2	2	1	.	.	12/19/98	.	01/06/99	6	100%	6	100%	6	100%	1	1	
061072002	1	2	1	.	.	01/03/99	.	01/03/99	3	81%	3	86%	3	88%	1	1	
061110007	1	2	1	.	.	01/01/99	.	01/03/99	3	83%	3	68%	3	70%	.	1	
061110007	2	2	1	.	.	01/01/99	.	01/06/99	6	94%	6	65%	6	100%	1	1	
061110009	1	2	1	.	.	11/01/00	.	11/23/00	3	43%	3	94%	3	100%	.	1	
061112002	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	3	94%	3	90%	1	1	
061112002	5	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
061113001	1	2	1	.	.	01/01/99	.	01/03/99	3	94%	3	87%	3	93%	1	1	
061131003	1	2	1	.	.	01/09/99	.	01/09/99	3	97%	3	97%	3	100%	1	1	
COLORADO																	
080010001	1	2	1	.	.	01/26/99	04/13/01	01/26/99	3	94%	3	18%	.	.	.	.
080010001	2	3	1	.	.	01/26/99	04/13/01	04/06/99	6	100%	6	18%	.	.	.	.
080010006	1	2	1	.	.	01/01/01	.	01/16/01	1	51%	1	47%	3	90%	.	1	
080010006	2	3	1	.	.	01/01/01	.	04/14/01	.	.	6	89%	6	88%	.	.	
080010006	5	T	.	1	.	02/17/01	.	.	.	.	.	.	.	.	.	.
080050005	1	2	1	.	.	03/10/99	.	03/10/99	3	93%	3	94%	3	100%	1	1	
080070001	1	3	1	.	.	06/06/01	.	06/11/01	.	.	6	35%	6	100%	.	.	
080070002	1	3	1	.	.	03/31/00	06/05/01	04/24/00	6	94%	6	71%	.	.	.	.

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
080130003	1	2	1	.	.	01/22/99	.	01/22/99	3	94%	3	94%	3	97%	1	1	
080130012	1	2	1	.	.	01/30/99	.	01/30/99	3	97%	3	84%	3	100%	1	1	
080290004	1	3	1	.	.	03/31/00	.	04/06/00	6	93%	6	88%	6	93%	1	1	
080310002	1	2	1	.	.	01/01/99	.	01/01/99	1	97%	1	98%	1	97%	1	1	
080310002	2	3	1	.	.	09/22/01	.	09/25/01	.	.	.	.	6	7%	.	.
080310002	3	3	.	.	1	08/25/00	.	.	.	.	.	.	.	.	.	.
080310013	1	3	1	.	.	11/15/99	.	11/20/99	1	89%	.	.	.	.	.	.
080350003	1	3	1	.	.	03/31/00	.	04/24/00	6	100%	6	89%	6	93%	1	1	
080390001	1	2	1	.	.	05/28/99	.	05/28/99	3	80%	3	88%	3	91%	1	1	
080410008	1	2	1	.	.	07/02/99	.	07/02/99	3	100%	3	100%	3	97%	1	1	
080410011	1	2	1	.	.	01/19/99	.	01/19/99	3	97%	3	88%	3	97%	1	1	
080410011	2	3	1	.	.	01/19/99	09/28/01	04/12/99	6	100%	6	82%	6	100%	1	1	
080510005	1	3	1	.	.	01/01/00	.	01/25/00	6	94%	6	94%	6	93%	1	1	
080670008	1	3	1	.	.	01/01/00	.	01/13/00	6	65%	6	81%	6	93%	1	1	
080690009	1	2	1	.	.	07/10/99	.	07/10/99	3	100%	3	97%	3	90%	1	1	
080770003	1	2	1	.	.	01/06/99	.	01/06/99	3	87%	3	81%	3	97%	1	1	
080770003	2	3	1	.	.	01/06/99	.	06/05/99	6	87%	6	100%	6	100%	1	1	
081010012	1	2	1	.	.	02/20/99	.	02/20/99	3	100%	3	97%	3	94%	1	1	
081070003	1	3	1	.	.	06/23/99	.	06/23/99	6	67%	6	81%	6	88%	.	.	
081130004	1	3	1	.	.	01/01/00	.	06/17/00	6	78%	6	85%	6	93%	1	1	
081230006	1	2	1	.	.	02/13/99	.	02/13/99	3	90%	3	94%	3	100%	1	1	
081230008	1	2	1	.	.	08/04/99	.	08/04/99	3	93%	3	100%	3	97%	1	1	
CONNECTICUT																	
090010010	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	.	.	.	.
090010010	2	3	1	.	.	01/01/99	.	01/03/99	6	62%	6	100%	.	.	.	.
090010010	9	3	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
090010113	1	2	1	.	.	09/15/00	.	09/15/00	3	60%	3	87%	.	.	.	.
090011123	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	94%	.	.	.	.
090012124	1	3	1	.	.	01/01/99	.	01/03/99	3	87%	3	100%	.	.	.	.
090013005	1	3	1	.	.	03/16/00	.	03/16/00	3	90%	3	97%	.	.	.	.
090019003	1	3	1	.	.	01/01/99	.	01/06/99	6	100%	6	100%	.	.	.	.
090019003	2	3	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
090031003	1	2	1	.	.	01/01/99	.	01/01/99	1	94%	1	91%	.	.	.	.
090031018	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	3	87%	.	.	.	.
090031018	3	3	.	1	.	03/29/01	.	.	.	.	.	.	.	.	.	.
090031018	4	3	.	.	1	03/28/01	.	.	.	.	.	.	.	.	.	.
090090018	1	2	1	.	.	01/01/99	.	01/03/99	1	90%	1	95%	.	.	.	.
090090018	2	3	1	.	.	01/01/99	.	01/03/99	6	100%	6	94%	.	.	.	.
090090018	9	3	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
090091123	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	97%	.	.	.	.
090091123	2	3	1	.	.	01/01/99	.	01/03/99	6	100%	6	100%	.	.	.	.
090091123	9	3	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
090092123	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	90%	.	.	.	.
090092123	2	3	1	.	.	01/01/99	.	01/03/99	6	100%	6	81%	.	.	.	.
090092123	9	3	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
090099005	1	2	1	.	.	01/01/99	.	07/02/99	3	90%	3	90%	.	.	.	.
090113002	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	65%	.	.	.	.
DELAWARE																	
100010002	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	94%	3	97%	1	1	
100010003	1	2	1	.	.	01/01/99	.	02/11/99	3	100%	3	90%	3	97%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information								
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples	
			FRM	FRM	Sampling	Sampling	1st FRM									
120992003	1	2	1	.	.	01/01/99	.	01/05/99	1	98%	1	70%	.	.	.	.
120992005	1	2	1	.	.	06/23/01	.	07/01/01	.	.	.	.	1	95%	.	.
121030018	1	2	1	.	.	01/01/99	.	01/01/99	1	89%	1	97%	1	90%	1	1
121031008	1	2	1	.	.	01/27/99	.	01/27/99	3	94%	3	100%	3	84%	1	1
121056006	1	2	1	.	.	01/01/99	.	01/06/99	3	97%	3	87%	3	53%	.	1
121111002	1	2	1	.	.	01/03/99	.	01/06/99	3	93%	3	100%	3	87%	1	1
121150013	1	2	1	.	.	01/03/99	.	01/03/99	3	97%	3	94%	3	97%	1	1
121171002	1	2	1	.	.	01/07/99	.	01/09/99	3	97%	3	100%	3	93%	1	1
121275002	1	2	1	.	.	01/04/99	.	01/06/99	3	100%	3	84%	3	100%	1	1
GEORGIA																
130210007	1	2	1	.	.	02/02/99	.	02/02/99	3	87%	3	75%	3	43%	.	1
130210007	2	3	.	.	.	02/02/99	.	.	.	.	.	.	.	.	.	.
130210012	1	2	1	.	.	02/11/99	.	02/11/99	3	90%	3	77%	3	80%	1	1
130510017	1	2	1	.	.	01/21/99	.	01/21/99	3	77%	3	77%	3	97%	1	1
130510017	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
130510091	1	2	1	.	.	01/21/99	.	01/21/99	3	87%	3	71%	3	97%	.	1
130590001	1	2	1	.	.	01/21/99	.	01/30/99	3	80%	3	81%	3	83%	1	1
130630091	1	2	1	.	.	01/09/99	.	01/09/99	3	83%	3	87%	3	97%	1	1
130670003	1	2	1	.	.	02/07/99	.	02/07/99	3	90%	3	88%	3	93%	1	1
130890002	1	2	1	.	.	01/22/99	.	01/22/99	1	89%	1	84%	1	77%	1	1
130890002	5	T	.	1	.	10/01/00	.	.	.	.	.	.	.	.	.	.
130892001	1	2	1	.	.	01/01/99	.	01/01/99	1	84%	1	77%	1	86%	1	1
130892001	2	2	1	.	.	01/01/99	.	07/24/99	.	.	.	.	.	.	.	.
130950007	1	2	1	.	.	02/02/99	.	02/02/99	3	93%	3	77%	3	90%	1	1
131150005	1	2	1	.	.	01/18/99	.	01/18/99	3	80%	3	71%	3	83%	.	1
131210032	1	2	1	.	.	01/01/99	.	01/01/99	1	91%	1	78%	1	90%	1	1
131210032	2	2	1	.	.	01/01/99	.	08/17/99	.	.	.	.	.	.	.	.
131210039	1	2	1	.	.	01/21/99	.	01/21/99	3	97%	3	87%	3	97%	1	1
131211001	1	2	1	.	.	01/01/99	12/10/01	01/01/99	3	97%	3	90%	3	80%	1	1
131270006	1	2	1	.	.	08/31/99	.	08/31/99	3	93%	3	77%	3	80%	1	1
131350002	1	3	1	.	.	01/01/00	.	01/01/00	6	73%	6	35%	6	100%	.	.
131390003	1	2	1	.	.	02/14/99	.	02/14/99	3	93%	3	94%	3	87%	1	1
131530001	1	3	1	.	.	07/05/00	.	07/05/00	6	53%	6	94%	6	87%	.	.
131850003	1	3	1	.	.	01/01/00	.	01/01/00	6	93%	6	100%	6	80%	1	1
132150001	1	2	1	.	.	03/04/99	.	03/04/99	3	93%	3	94%	3	93%	1	1
132150001	2	2	1	.	.	01/01/99	.	03/25/00	.	.	.	.	.	.	.	.
132150011	1	2	1	.	.	01/21/99	.	01/21/99	3	100%	3	94%	3	100%	1	1
132230003	1	2	1	.	.	01/24/99	.	01/24/99	3	90%	3	94%	3	97%	1	1
132450005	1	2	1	.	.	01/21/99	.	01/21/99	3	90%	3	71%	3	90%	.	1
132450005	2	2	1	.	.	01/01/99	.	03/13/00	.	.	.	.	.	.	.	.
132450091	1	2	1	.	.	02/08/99	.	02/08/99	3	60%	3	81%	3	90%	.	1
132950002	1	3	1	.	.	01/01/00	.	01/01/00	6	100%	6	88%	6	87%	1	1
133030001	1	2	1	.	.	01/30/99	.	01/30/99	6	73%	6	81%	6	80%	1	1
133190001	1	2	1	.	.	01/01/99	.	04/12/99	3	87%	3	81%	3	83%	1	1
HAWAII																
150030010	1	2	1	.	.	01/01/99	.	01/03/99	3	94%	3	94%	3	93%	1	1
150031001	1	2	1	.	.	01/01/99	.	01/01/99	1	91%	1	99%	1	98%	1	1
150031001	2	2	1	.	.	01/01/99	.	12/02/99	6	13%	.	.	6	40%	.	.
150031004	1	2	1	.	.	10/01/99	.	10/03/99	6	87%	6	88%	6	67%	.	.
150032004	1	2	1	.	.	01/01/99	.	01/01/99	1	89%	1	93%	1	99%	1	1

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
150032004	2	2	1	.	.	01/01/99	.	10/27/99	.	.	.	6	40%	.	.		
150090006	1	2	1	.	.	01/28/99	.	01/30/99	3	73%	3	94%	3	100%	1		
IDAHO																	
160010011	1	2	1	.	.	11/01/98	08/21/01	01/03/99	1	98%	1	95%	.	.	.		
160010011	3	3	.	.	1	12/20/00	.	.	.	.	.	.	.	.	.
160010017	1	2	1	.	.	12/13/98	.	01/06/99	3	90%	3	97%	.	.	.		
160050006	1	2	1	.	.	11/01/98	.	01/06/99	3	97%	3	100%	.	.	.		
160050015	1	2	1	.	.	11/01/98	08/21/01	01/03/99	1	92%	1	95%	.	.	.		
160050015	3	2	1	.	.	01/01/01	.	01/01/01	6	67%	6	88%	.	.	.		
160050015	4	3	.	.	.	08/06/01	.	.	.	.	.	.	.	.	.
160150001	1	3	.	.	1	12/13/00	.	.	.	.	.	.	.	.	.
160150002	1	3	.	.	1	04/14/01	.	.	.	.	.	.	.	.	.
160170001	1	3	1	.	.	11/01/98	08/21/01	01/03/99	3	100%	3	90%	.	.	.		
160190010	1	3	1	.	.	08/10/99	.	08/31/99	3	83%	3	90%	.	.	.		
160190011	1	3	1	.	.	02/03/01	.	02/03/01	3	53%	3	68%	.	.	.		
160190012	1	3	.	.	1	01/31/01	06/07/01	.	.	.	.	.	.	.	.
160210001	1	2	.	.	.	05/01/99	.	.	.	.	.	.	.	.	.
160270004	1	2	1	.	.	11/01/98	.	01/03/99	3	100%	3	100%	.	.	.		
160270004	2	2	1	.	.	07/01/00	.	08/28/00	6	100%	6	100%	.	.	.		
160270005	1	2	1	.	.	12/07/98	.	01/06/99	3	100%	3	100%	.	.	.		
160490002	1	3	.	.	1	10/01/00	.	.	.	.	.	.	.	.	.
160530002	1	3	.	.	1	01/22/01	.	.	.	.	.	.	.	.	.
160550006	1	3	.	.	1	11/01/98	.	.	.	.	.	.	.	.	.
160550006	2	2	1	.	.	07/23/99	.	07/23/99	3	97%	3	97%	.	.	.		
160550006	3	2	1	.	.	07/01/00	.	08/28/00	6	100%	6	100%	.	.	.		
160570005	1	3	.	.	.	08/01/01	.	.	.	.	.	.	.	.	.
160590004	1	3	.	.	1	09/01/00	.	.	.	.	.	.	.	.	.
160690009	1	3	1	.	.	10/04/99	.	10/04/99	3	100%	3	100%	.	.	.		
160690009	2	3	1	.	.	07/01/00	.	09/21/00	6	100%	6	100%	.	.	.		
160690012	1	3	.	.	1	03/16/01	.	.	.	.	.	.	.	.	.
160790017	1	3	1	.	.	09/03/99	.	09/03/99	3	83%	3	100%	.	.	.		
160830006	1	3	1	.	.	12/13/98	.	01/06/99	3	57%	3	97%	.	.	.		
160830010	1	3	1	.	.	12/08/99	.	12/08/99	3	97%	3	100%	.	.	.		
160830010	2	3	1	.	.	07/01/00	01/01/01	08/28/00	.	.	.	.	.	.	.
160850001	1	3	.	.	1	10/01/00	.	.	.	.	.	.	.	.	.
ILLINOIS																	
170010006	1	2	1	.	.	01/01/00	.	01/01/00	6	88%	6	100%	6	93%	1	1	
170190004	1	2	1	.	.	01/01/00	.	01/01/00	6	100%	6	94%	6	93%	1	1	
170191001	1	2	1	.	.	01/01/99	.	01/28/99	6	100%	6	69%	6	93%	1	1	
170310014	1	2	1	.	.	01/01/99	.	01/06/99	3	71%	3	100%	3	93%	.	1	
170310022	1	2	1	.	.	01/01/99	.	01/06/99	3	90%	3	97%	3	97%	1	1	
170310050	1	2	1	.	.	01/01/99	.	01/06/99	1	12%	1	99%	1	99%	.	1	
170310050	5	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.
170310050	6	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.
170310052	1	2	1	.	.	01/01/98	.	01/06/99	1	84%	1	93%	1	87%	1	1	
170310057	1	2	1	.	.	01/01/00	.	01/13/00	3	83%	3	100%	3	100%	1	1	
170310057	5	T	.	1	.	03/26/01	.	.	.	.	.	.	.	.	.
170310076	1	2	1	.	.	01/01/00	.	01/01/00	3	60%	3	97%	3	100%	.	1	
170310076	5	T	.	1	.	05/22/01	.	.	.	.	.	.	.	.	.
170311016	1	2	1	.	.	01/01/99	.	01/06/99	3	94%	3	94%	3	97%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?						2001 Information								
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
170312001	1	2	1	.	.	01/01/99	.	01/06/99	3	80%	3	97%	3	83%	1	1	
170313301	1	2	1	.	.	01/01/99	.	01/06/99	3	90%	3	97%	3	81%	1	1	
170314007	1	2	1	.	.	01/01/01	.	01/01/01	3	83%	3	94%	3	97%	1	1	
170314201	1	2	1	.	.	01/01/98	.	01/08/99	1	82%	1	76%	1	92%	1	1	
170316005	1	2	1	.	.	01/01/00	.	01/01/00	3	83%	3	87%	3	83%	1	1	
170434002	1	2	1	.	.	01/01/99	.	01/24/99	3	91%	3	100%	3	77%	1	1	
170890003	1	2	1	.	.	01/01/00	.	01/01/00	3	81%	3	97%	3	97%	1	1	
170971007	1	2	1	.	.	01/01/00	.	01/01/00	3	67%	3	68%	3	100%	.	1	
170990007	1	2	1	.	.	01/01/00	.	01/01/00	3	88%	3	89%	3	85%	1	1	
171110001	1	2	1	.	.	01/01/00	.	01/01/00	3	85%	1	32%	3	100%	.	1	
171132002	1	2	1	.	.	01/01/00	.	01/07/00	6	81%	6	100%	6	93%	1	1	
171150013	1	2	1	.	.	01/01/99	.	01/08/99	3	93%	3	100%	3	100%	1	1	
171190023	1	2	1	.	.	01/01/99	.	01/06/99	3	97%	3	87%	3	93%	1	1	
171191007	1	2	1	.	.	01/01/99	.	01/06/99	3	87%	3	90%	3	100%	1	1	
171192009	1	2	1	.	.	01/01/00	.	01/01/00	3	94%	3	82%	3	94%	1	1	
171193007	1	2	1	.	.	01/01/99	.	01/06/99	3	97%	3	100%	3	97%	1	1	
171430037	1	2	1	.	.	01/01/99	.	01/18/99	3	97%	3	100%	3	97%	1	1	
171570001	1	2	1	.	.	01/01/99	.	01/21/99	6	100%	6	100%	6	100%	1	1	
171613002	1	2	1	.	.	01/01/01	.	01/01/01	6	100%	6	100%	6	100%	1	1	
171630010	1	2	1	.	.	01/01/99	.	01/09/99	3	83%	3	84%	3	84%	1	1	
171634001	1	2	1	.	.	01/01/00	.	01/01/00	3	90%	3	81%	1	34%	.	1	
171670012	1	2	1	.	.	01/01/99	.	01/07/99	3	94%	3	87%	3	90%	1	1	
171971002	1	2	1	.	.	01/01/99	.	01/06/99	1	29%	3	89%	3	97%	.	1	
171971011	1	2	1	.	.	01/01/99	.	01/06/99	6	100%	6	100%	6	100%	1	1	
172010010	1	2	1	.	.	02/01/99	.	02/13/99	3	97%	3	100%	3	90%	1	1	
INDIANA																	
180030004	1	2	1	.	.	01/01/99	.	01/21/99	3	80%	3	84%	.	.	.	.
180030004	2	2	1	.	.	01/01/99	.	01/01/00	6	87%	6	63%	.	.	.	.
180030014	1	2	1	.	.	02/12/00	.	02/12/00	3	87%	3	97%	.	.	.	.
180030015	1	2	.	.	.	02/12/00	.	.	.	.	.	.	.	.	.	.
180190005	1	2	1	.	.	01/01/99	.	01/18/99	3	97%	3	94%	.	.	.	.
180350006	1	2	1	.	.	10/15/99	.	10/15/99	3	67%	3	84%	.	.	.	.
180372001	1	2	1	.	.	01/01/00	.	01/07/00	3	33%	3	81%	.	.	.	.
180390003	1	2	1	.	.	05/12/99	.	05/15/99	3	97%	3	87%	.	.	.	.
180431004	1	2	1	.	.	01/01/99	.	01/18/99	3	57%	3	100%	.	.	.	.
180431004	2	2	1	.	.	01/01/99	.	01/30/99	6	80%	6	63%	.	.	.	.
180650003	1	2	1	.	.	09/26/00	.	11/17/00	3	90%	3	87%	.	.	.	.
180670003	1	2	1	.	.	06/11/99	.	06/11/99	3	90%	3	84%	.	.	.	.
180830004	1	2	1	.	.	01/01/00	.	01/16/00	3	77%	3	77%	.	.	.	.
180890006	1	2	1	.	.	01/27/99	.	01/30/99	1	82%	1	96%	.	.	.	.
180890022	1	2	1	.	.	03/04/99	.	03/05/99	1	100%	1	96%	.	.	.	.
180890026	1	2	1	.	.	02/12/00	.	05/06/00	3	93%	3	87%	.	.	.	.
180890027	1	2	1	.	.	02/18/00	.	02/18/00	3	73%	3	90%	.	.	.	.
180891003	1	2	1	.	.	01/27/99	.	02/02/99	3	73%	3	90%	.	.	.	.
180891016	1	2	1	.	.	01/01/99	.	01/01/99	1	83%	1	89%	.	.	.	.
180891016	2	2	1	.	.	03/07/99	.	03/07/99	6	60%	6	75%	.	.	.	.
180892004	1	2	1	.	.	02/11/99	.	02/11/99	3	87%	3	94%	.	.	.	.
180892010	1	2	1	.	.	01/27/99	.	01/27/99	3	77%	3	94%	.	.	.	.
180910011	1	2	1	.	.	12/17/99	.	12/17/99	3	93%	3	87%	.	.	.	.
180910012	1	2	1	.	.	02/27/00	.	03/01/00	3	100%	3	97%	.	.	.	.

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
211451004	1	2	1	.	.	01/01/99	.	01/30/99	3	97%	3	87%	3	83%	1	1	
211510003	1	2	1	.	.	06/15/98	.	01/30/99	3	93%	3	90%	3	83%	1	1	
211930003	1	3	1	.	.	05/12/00	.	05/12/00	6	100%	6	94%	6	80%	1	1	
211950002	1	2	1	.	.	01/01/99	.	02/02/99	3	77%	3	97%	3	91%	1	1	
212270007	1	2	1	.	.	01/01/99	.	01/30/99	3	100%	3	100%	3	93%	1	1	
LOUISIANA																	
220150008	1	2	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
220171002	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	3	70%	.	1	
220190008	1	2	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
220190009	1	2	1	.	.	01/01/99	.	01/12/99	3	97%	3	100%	3	63%	.	1	
220190010	1	2	1	.	.	01/01/99	.	01/06/99	3	93%	3	87%	3	63%	.	1	
220290002	1	2	1	.	.	01/01/99	.	01/03/99	6	100%	6	100%	.	.	.	.
220290003	1	2	.	.	.	09/16/01	.	.	.	.	.	.	.	.	.	.
220330002	1	2	1	.	.	01/01/99	.	01/15/99	3	100%	3	100%	3	57%	.	1	
220330009	1	2	1	.	.	01/01/99	.	01/01/99	1	94%	1	100%	1	51%	.	1	
220330009	5	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
220330013	1	2	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
220331001	1	2	1	.	.	01/01/99	.	01/06/99	6	100%	6	100%	6	60%	.	.	
220470005	1	2	1	.	.	01/01/99	.	01/12/99	6	100%	3	84%	3	57%	.	1	
220470009	1	2	1	.	.	01/01/99	.	01/06/99	6	93%	3	75%	3	57%	.	1	
220511001	1	2	1	.	.	01/01/99	.	01/06/99	1	72%	1	76%	1	58%	.	1	
220512001	1	2	1	.	.	01/01/99	.	01/06/99	6	93%	6	100%	6	67%	.	.	
220550005	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	3	100%	3	60%	.	1	
220550006	1	2	1	.	.	01/01/00	.	01/01/00	3	97%	3	87%	3	60%	.	1	
220570004	1	2	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
220630002	1	2	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
220710010	1	2	1	.	.	01/01/99	.	01/06/99	3	100%	3	97%	3	67%	.	1	
220710012	1	2	1	.	.	01/01/99	.	01/06/99	1	82%	1	66%	1	62%	.	1	
220730004	1	2	1	.	.	01/01/99	.	01/06/99	3	100%	3	100%	3	67%	.	1	
220790001	1	2	1	.	.	01/01/99	.	01/06/99	3	97%	3	97%	3	63%	.	1	
220870004	1	2	1	.	.	01/01/00	.	01/13/00	3	93%	3	100%	3	70%	.	1	
221050001	1	2	1	.	.	01/01/99	.	01/06/99	3	90%	3	87%	3	63%	.	1	
221090001	1	2	1	.	.	01/01/00	.	01/13/00	3	93%	3	90%	3	55%	.	1	
221210001	1	2	1	.	.	01/01/99	.	01/01/99	1	97%	1	99%	1	55%	.	1	
MAINE																	
230010011	1	3	1	.	.	01/01/99	.	01/24/99	3	97%	3	97%	3	83%	1	1	
230010011	3	3	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
230030013	1	2	1	.	.	01/01/99	.	01/21/99	3	100%	3	97%	3	100%	1	1	
230031011	1	2	1	.	.	10/01/97	.	01/21/99	3	97%	3	100%	3	93%	1	1	
230031011	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
230050015	1	3	1	.	.	01/01/99	.	01/06/99	6	93%	6	94%	6	100%	1	1	
230050026	1	3	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
230050027	1	2	1	.	.	01/01/99	.	01/03/99	3	87%	3	90%	3	93%	1	1	
230050027	3	2	.	.	1	01/01/99	.	.	.	.	.	.	.	.	.	.
230050028	1	3	1	.	.	01/01/00	.	01/01/00	6	93%	6	100%	6	100%	1	1	
230052003	1	3	1	.	.	01/01/99	.	01/06/99	6	100%	3	84%	3	93%	1	1	
230090103	1	2	1	.	.	01/01/99	.	01/24/99	6	100%	3	90%	3	83%	1	1	
230110016	1	3	1	.	.	01/01/99	.	02/05/99	6	100%	6	100%	6	100%	1	1	
230112002	1	3	1	.	.	01/01/00	.	01/01/00	6	93%	6	75%	6	100%	1	1	
230132001	1	3	1	.	.	03/07/00	.	03/13/00	6	100%	6	81%	6	93%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
261450018	1	2	1	.	.	02/23/99	.	03/04/99	3	97%	3	97%	.	.	.	.
261450018	2	2	1	.	.	02/23/99	.	02/23/99	6	7%	.	.	.	.	.	.
261450018	3	2	.	.	1	12/01/99	.	.	.	.	.	.	.	.	.	.
261470005	1	3	1	.	.	01/03/99	.	01/03/99	3	93%	3	97%	.	.	.	.
261470005	2	2	1	.	.	01/03/99	.	01/13/01	6	80%	6	94%	.	.	.	.
261610005	1	2	1	.	.	03/28/99	.	06/26/99	3	100%	3	94%	.	.	.	.
261610005	2	2	.	.	.	03/28/99	.	.	.	.	.	.	.	.	.	.
261610008	1	2	1	.	.	08/04/99	.	08/07/99	3	93%	3	97%	.	.	.	.
261610008	2	2	1	.	.	08/04/99	.	01/07/01	6	93%	6	100%	.	.	.	.
261610008	3	2	.	.	1	02/24/00	.	.	.	.	.	.	.	.	.	.
261630001	1	2	1	.	.	05/12/99	.	05/12/99	1	86%	1	88%	.	.	.	.
261630001	2	2	1	.	.	05/12/99	.	05/12/99	6	93%	6	94%	.	.	.	.
261630001	3	2	.	.	1	02/01/01	.	.	.	.	.	.	.	.	.	.
261630001	5	T	.	1	.	12/01/00	.	.	.	.	.	.	.	.	.	.
261630015	1	2	1	.	.	02/26/99	.	02/26/99	3	97%	3	90%	.	.	.	.
261630015	2	2	.	.	.	02/26/99	.	.	.	.	.	.	.	.	.	.
261630016	1	2	1	.	.	05/12/99	.	05/12/99	1	91%	1	92%	.	.	.	.
261630016	2	2	.	.	.	05/12/99	.	.	.	.	.	.	.	.	.	.
261630019	1	2	1	.	.	04/30/00	.	04/30/00	3	87%	3	84%	.	.	.	.
261630019	5	2	.	1	.	12/01/00	.	.	.	.	.	.	.	.	.	.
261630025	1	2	1	.	.	08/22/99	.	08/22/99	3	90%	3	97%	.	.	.	.
261630033	1	2	1	.	.	02/05/99	.	02/05/99	3	97%	3	94%	.	.	.	.
261630033	2	2	.	.	.	02/05/99	.	.	.	.	.	.	.	.	.	.
261630033	5	2	.	.	.	12/01/00	.	.	.	.	.	.	.	.	.	.
261630036	1	2	1	.	.	02/20/99	.	02/20/99	3	97%	3	97%	.	.	.	.
261630036	2	2	.	.	.	02/20/99	.	.	.	.	.	.	.	.	.	.
MINNESOTA																	
270353202	1	3	1	.	.	10/03/00	.	10/17/00	6	100%	6	63%	6	67%	.	.	
270370470	1	3	1	.	.	10/03/00	.	10/06/00	6	87%	6	94%	6	100%	1	1	
270370470	2	3	1	.	.	05/03/01	.	05/07/01	.	.	6	63%	6	87%	.	.	
270376018	1	2	1	.	.	04/24/99	.	04/24/99	3	93%	3	94%	3	97%	1	1	
270412110	1	3	1	.	.	10/03/00	.	10/03/00	6	80%	6	94%	6	67%	.	.	
270475401	1	3	1	.	.	10/01/99	06/30/01	11/08/99	6	52%	3	58%	.	.	.	.
270530960	1	2	1	.	.	04/21/99	01/02/01	04/21/99	.	.	.	.	.	.	.	.
270530960	5	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
270530961	1	2	1	.	.	04/12/99	.	04/12/99	3	73%	3	97%	3	97%	.	1	
270530963	1	2	1	.	.	01/07/01	.	01/10/01	1	59%	1	78%	1	90%	.	1	
270530963	5	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
270531007	1	2	1	.	.	04/24/99	.	04/24/99	3	90%	3	100%	3	100%	1	1	
270532006	1	2	1	.	.	04/24/99	.	04/24/99	3	73%	3	94%	3	97%	.	1	
270611105	1	3	1	.	.	10/03/00	.	10/27/00	6	80%	6	69%	6	87%	1	1	
270674110	1	3	1	.	.	10/03/00	.	11/08/00	6	67%	6	88%	6	80%	.	.	
270854301	2	3	1	.	.	03/01/00	.	03/01/00	.	.	.	.	.	.	.	.
270953051	1	2	1	.	.	12/06/99	.	12/08/99	3	80%	3	87%	3	73%	.	1	
271035109	1	3	1	.	.	10/03/00	.	10/09/00	6	80%	6	100%	6	67%	.	.	
271095008	1	2	1	.	.	01/07/00	.	01/07/00	3	80%	3	97%	3	94%	1	1	
271230021	1	3	1	.	.	04/21/99	.	04/21/99	.	.	.	.	.	.	.	.
271230866	1	2	1	.	.	04/01/99	.	04/03/99	3	87%	3	94%	3	100%	1	1	
271230866	2	2	1	.	.	07/12/99	.	07/17/99	6	100%	6	94%	6	100%	1	1	
271230868	1	2	1	.	.	03/31/99	.	03/31/99	3	80%	3	97%	3	97%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?				Date Sampling Began	Date Sampling Ended	Date of 1st FRM Data Pt	2001 Information							
			Non-FRM		Daily	Hourly				Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples
			FRM	FRM													
271230868	2	2	1	.	.	06/18/99	.	07/17/99	.	.	6	56%	6	100%	.	.	
271230868	3	2	.	.	1	01/01/01	.	.	.	.	.	.	.	.	.	.
271230871	1	2	1	.	.	04/24/99	.	04/24/99	1	78%	1	79%	1	90%	1	1	
271230871	2	2	1	.	.	04/27/01	.	05/01/01	.	.	6	69%	6	93%	.	.	
271230872	1	2	1	.	.	04/12/99	.	04/12/99	3	77%	3	90%	3	100%	1	1	
271230873	1	3	1	.	.	04/21/99	.	04/21/99	.	.	.	.	.	.	.	.
271377001	1	2	1	.	.	05/30/99	.	05/30/99	3	73%	3	87%	3	80%	.	1	
271377550	1	2	1	.	.	05/06/99	.	05/06/99	3	93%	3	90%	3	90%	1	1	
271377550	2	2	1	.	.	06/05/99	.	06/05/99	6	93%	6	88%	6	73%	1	1	
271377551	1	2	1	.	.	01/01/00	.	01/19/00	3	93%	3	81%	3	83%	1	1	
271390505	1	2	1	.	.	01/01/00	.	01/07/00	3	63%	3	68%	3	93%	.	1	
271453052	1	2	1	.	.	12/20/99	.	12/20/99	3	87%	3	77%	3	63%	.	1	
MISSISSIPPI																	
280010004	1	2	1	.	.	03/10/99	.	03/10/99	3	83%	3	97%	3	67%	.	1	
280110001	1	2	1	.	.	05/21/99	.	05/21/99	3	93%	3	97%	3	67%	.	1	
280330002	1	2	1	.	.	02/14/99	.	02/14/99	3	97%	3	100%	3	67%	.	1	
280350004	1	2	1	.	.	03/07/99	.	03/07/99	3	100%	3	100%	3	67%	.	1	
280450001	1	3	1	.	.	02/14/99	.	02/14/99	3	97%	3	100%	3	67%	.	1	
280470008	1	2	1	.	.	04/03/99	.	04/03/99	3	100%	3	97%	3	67%	.	1	
280470008	3	2	.	.	1	10/01/99	.	.	.	.	.	.	.	.	.	.
280470008	5	T	.	1	.	10/01/00	.	.	.	.	.	.	.	.	.	.
280490010	1	2	1	.	.	02/14/99	.	02/14/99	3	97%	3	90%	3	67%	.	1	
280490018	1	2	1	.	.	02/14/99	.	02/14/99	3	97%	3	97%	3	60%	.	1	
280590006	1	2	1	.	.	02/14/99	.	02/14/99	3	100%	3	97%	3	67%	.	1	
280670002	1	2	1	.	.	03/07/99	.	03/07/99	3	100%	3	97%	3	67%	.	1	
280750003	1	2	1	.	.	04/03/99	.	04/03/99	3	83%	3	94%	3	63%	.	1	
280810005	1	2	1	.	.	02/14/99	.	02/14/99	3	93%	3	100%	3	63%	.	1	
280870001	1	2	1	.	.	03/07/99	.	03/07/99	3	97%	3	97%	3	63%	.	1	
281090001	1	2	1	.	.	04/06/00	.	04/06/00	3	97%	3	100%	3	67%	.	1	
281210001	1	2	1	.	.	03/07/99	.	03/07/99	3	93%	3	94%	3	67%	.	1	
281230001	1	2	1	.	.	08/22/99	.	08/22/99	3	87%	3	97%	3	60%	.	1	
281490004	1	2	1	.	.	03/07/99	.	03/07/99	3	90%	3	90%	3	63%	.	1	
MISSOURI																	
290210010	1	2	1	.	.	12/15/98	.	01/03/99	3	100%	3	94%	3	97%	1	1	
290370003	1	2	1	.	.	01/01/00	.	01/01/00	3	93%	3	100%	3	97%	1	1	
290390001	1	2	1	.	.	01/01/99	.	01/03/99	3	83%	3	100%	3	97%	1	1	
290470005	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	3	100%	3	94%	1	1	
290470026	1	2	1	.	.	01/01/99	.	01/01/99	1	94%	1	98%	1	100%	1	1	
290470041	1	2	1	.	.	01/01/99	.	01/02/99	1	92%	1	87%	1	95%	1	1	
290770032	1	2	1	.	.	01/03/99	.	01/03/99	3	100%	3	100%	3	100%	1	1	
290910003	1	2	1	.	.	01/01/99	02/16/01	01/03/99	3	50%	.	.	.	.	.	.
290950037	1	2	1	.	.	04/01/00	.	04/03/00	3	100%	3	100%	3	97%	1	1	
290952002	1	2	1	.	.	01/03/99	.	01/03/99	3	100%	3	97%	3	97%	1	1	
290970003	1	3	1	.	.	01/01/99	.	01/03/99	3	97%	3	100%	3	100%	1	1	
290990012	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	97%	3	100%	1	1	
290990012	5	2	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
291250001	1	3	1	.	.	04/01/01	.	04/01/01	.	.	3	84%	3	97%	.	.	
291370001	1	3	1	.	.	01/01/99	.	02/05/99	3	100%	3	100%	3	97%	1	1	
291831002	1	2	1	.	.	01/01/99	.	01/06/99	3	93%	3	100%	3	93%	1	1	
291860006	1	2	1	.	.	01/01/99	.	01/08/99	3	97%	3	94%	3	100%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
291890004	1	2	1	.	.	05/01/01	.	05/19/01	.	.	3	45%	3	100%	.	.	
291892003	1	2	1	.	.	01/01/99	.	01/03/99	.	3	90%	3	97%	3	97%	1	1
291895001	1	2	1	.	.	01/01/99	.	01/03/99	.	3	97%	3	100%	3	100%	1	1
295100007	1	2	1	.	.	01/01/99	.	03/24/00	.	1	96%	1	90%	1	92%	1	1
295100085	1	2	1	.	.	03/30/99	.	04/01/99	.	1	98%	1	100%	1	96%	1	1
295100085	5	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.	.
295100085	6	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.	.
295100086	1	2	1	.	.	01/01/99	.	01/01/99	.	1	92%	1	95%	1	92%	1	1
295100087	1	3	1	.	.	11/06/99	.	11/06/99	.	1	97%	1	95%	1	100%	1	1
MONTANA																	
300131026	1	2	1	.	.	01/01/00	.	01/01/00	.	3	93%	3	84%	.	.	.	.
300290009	1	2	.	.	.	10/01/01	.	.	.	.	.	.	.	.	.	.	.
300290039	1	2	1	.	.	01/01/99	04/01/01	01/03/99	.	3	43%	.	.	.	.	.	.
300290047	1	2	1	.	.	06/26/99	.	06/26/99	.	3	97%	3	97%	.	.	.	.
300310008	1	3	1	.	.	01/01/00	.	01/01/00	.	3	83%	3	94%	.	.	.	.
300470013	1	A	1	.	.	01/01/00	.	01/01/00	.	3	97%	.	.	.	.	.	.
300470028	1	A	1	.	.	01/01/00	.	01/01/00	.	3	87%	.	.	.	.	.	.
300470028	2	A	1	.	.	01/01/00	.	03/13/00	.	.	.	.	.	.	.	.	.
300490018	1	3	1	.	.	01/01/99	.	01/03/99	.	3	90%	3	87%	.	.	.	.
300490025	1	3	1	.	.	06/30/01	.	06/30/01	.	.	.	6	6%	.	.	.	.
300530018	1	2	1	.	.	01/01/99	.	01/03/99	.	3	97%	3	100%	.	.	.	.
300630024	1	2	1	.	.	01/01/99	.	01/03/99	.	3	97%	3	97%	.	.	.	.
300630024	5	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.	.
300630031	1	3	1	.	.	01/01/99	.	01/03/99	.	3	90%	3	97%	.	.	.	.
300810001	1	2	1	.	.	01/01/00	.	01/01/00	.	3	90%	3	100%	.	.	.	.
300870307	1	A	1	.	.	01/01/00	.	01/01/00	.	.	.	3	90%	.	.	.	.
300890007	1	3	1	.	.	01/01/00	.	01/01/00	.	3	80%	3	94%	.	.	.	.
300930005	1	3	1	.	.	02/11/99	.	02/11/99	.	3	97%	3	81%	.	.	.	.
301111065	1	2	1	.	.	01/01/99	.	01/03/99	.	3	93%	3	100%	.	.	.	.
NEBRASKA																	
310250002	1	2	1	.	.	03/01/99	.	03/04/99	.	3	87%	3	71%	3	90%	.	1
310270001	1	2	1	.	.	09/21/99	.	09/21/99	.	3	80%	3	77%	3	80%	1	1
310310001	1	2	1	.	.	08/04/99	.	08/04/99	.	3	77%	3	71%	3	80%	.	1
310490001	1	2	1	.	.	08/04/99	.	08/04/99	.	3	83%	3	81%	3	83%	1	1
310550019	1	2	1	.	.	01/01/99	.	02/06/99	.	1	77%	1	69%	1	92%	.	1
310550019	2	2	1	.	.	01/01/99	.	08/28/99	.	6	87%	6	56%	6	93%	.	.
310550019	5	T	.	1	.	05/25/01	.	.	.	.	.	.	.	.	.	.	.
310550051	1	2	1	.	.	01/01/99	.	02/02/99	.	3	93%	3	97%	3	93%	1	1
310550052	1	2	1	.	.	01/01/99	.	06/10/99	.	1	72%	1	73%	1	88%	.	1
310550052	2	2	1	.	.	01/01/99	.	02/04/99	.	6	73%	6	100%	6	100%	1	1
310790003	1	2	1	.	.	03/01/99	.	03/07/99	.	3	83%	3	74%	3	87%	.	1
311090022	1	2	1	.	.	01/01/99	.	01/03/99	.	3	83%	3	71%	3	73%	.	1
311090022	2	2	1	.	.	01/01/99	.	01/06/99	.	6	87%	6	69%	6	73%	1	1
311111002	1	2	1	.	.	03/01/99	.	03/01/99	.	3	87%	3	74%	3	73%	.	1
311530007	1	2	1	.	.	03/01/99	.	03/04/99	.	3	70%	3	61%	3	70%	.	1
311530007	2	2	1	.	.	03/01/99	.	03/01/99	.	6	60%	6	63%	6	100%	.	.
311570003	1	2	1	.	.	03/01/99	.	03/13/99	.	3	53%	3	77%	3	70%	.	1
311770002	1	2	1	.	.	04/06/99	.	04/06/99	.	3	77%	3	39%	3	83%	.	1
NEVADA																	
320030022	1	2	1	.	.	01/01/99	.	01/03/99	.	6	87%	6	94%	6	100%	1	1

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
360610117	3	2	.	.	1	02/23/00	.	.	.	.	.	.	.	.	.	.
360610119	1	2	.	.	.	10/01/00	.	.	.	.	.	.	.	.	.	.
360610119	3	2	.	.	1	11/01/00	.	.	.	.	.	.	.	.	.	.
360610123	3	3	.	.	1	10/30/01	.	.	.	.	.	.	.	.	.	.
360610125	3	3	.	.	1	09/24/01	.	.	.	.	.	.	.	.	.	.
360610126	3	3	.	.	1	09/24/01	.	.	.	.	.	.	.	.	.	.
360610127	3	3	.	.	1	09/24/01	.	.	.	.	.	.	.	.	.	.
360632008	1	2	1	.	.	01/01/99	.	07/02/99	3	93%	3	90%	3	100%	1	1	
360632008	2	2	1	.	.	01/01/99	.	07/02/99	3	97%	3	94%	3	77%	1	1	
360632008	3	2	.	.	1	04/19/00	.	.	.	.	.	.	.	.	.	.
360652001	1	2	1	.	.	01/01/99	.	07/02/99	3	100%	3	100%	3	90%	1	1	
360670019	1	2	1	.	.	08/01/99	.	08/01/99	3	93%	3	77%	3	87%	1	1	
360670020	1	2	1	.	.	05/02/00	.	05/18/00	3	87%	3	94%	3	87%	1	1	
360671015	1	2	1	.	.	01/01/99	.	07/02/99	3	93%	3	74%	3	90%	.	1	
360671015	2	2	1	.	.	01/01/99	.	07/02/99	3	97%	3	84%	3	73%	.	1	
360710002	1	2	1	.	.	12/31/99	.	02/09/00	3	83%	3	81%	3	93%	1	1	
360810094	1	2	1	.	.	07/01/99	.	07/02/99	3	100%	3	94%	3	93%	1	1	
360810094	2	2	1	.	.	08/28/99	.	08/28/99	3	97%	3	74%	3	77%	.	1	
360810096	1	2	1	.	.	04/18/00	.	04/18/00	3	97%	3	97%	3	87%	1	1	
360810097	1	2	1	.	.	01/01/99	.	07/02/99	.	.	.	.	.	.	.	.
360810097	5	2	.	.	.	12/01/00	.	.	.	.	.	.	.	.	.	.
360810116	1	2	.	.	.	12/31/99	.	.	.	.	.	.	.	.	.	.
360810116	3	2	.	.	1	04/12/00	.	.	.	.	.	.	.	.	.	.
360810120	3	2	.	.	1	05/20/00	.	.	.	.	.	.	.	.	.	.
360810124	1	2	1	.	.	01/01/01	.	01/01/01	3	93%	1	54%	1	78%	.	1	
360810124	3	2	.	.	1	03/15/01	.	.	.	.	.	.	.	.	.	.
360810124	6	T	.	1	.	03/24/01	.	.	.	.	.	.	.	.	.	.
360850055	1	2	1	.	.	09/01/99	.	12/11/99	3	100%	3	100%	3	100%	1	1	
360850067	1	2	1	.	.	01/01/99	.	07/02/99	3	97%	3	100%	3	83%	1	1	
360850111	3	2	.	.	1	08/01/99	.	.	.	.	.	.	.	.	.	.
360850114	3	2	.	.	1	01/01/01	.	.	.	.	.	.	.	.	.	.
360893001	1	2	1	.	.	10/01/99	.	10/12/99	3	87%	3	97%	3	90%	1	1	
360930003	1	2	1	.	.	01/01/99	.	07/02/99	3	97%	3	100%	3	90%	1	1	
361010003	1	2	1	.	.	08/01/99	.	08/02/99	1	92%	1	86%	1	91%	1	1	
361010003	5	2	.	1	.	12/01/00	.	.	.	.	.	.	.	.	.	.
361030001	1	2	1	.	.	01/01/99	.	07/02/99	3	97%	3	94%	3	100%	1	1	
361030009	1	3	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
361191002	1	2	1	.	.	02/01/00	.	02/15/00	3	100%	3	97%	3	100%	1	1	
361192004	3	2	.	.	1	04/10/01	.	.	.	.	.	.	.	.	.	.
NORTH CAROLINA																	
370010002	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	.	.	.	.
370210034	1	2	1	.	.	01/01/99	.	01/03/99	3	70%	3	61%	.	.	.	.
370210034	2	2	1	.	.	01/01/99	.	01/06/99	6	100%	6	82%	.	.	.	.
370250004	1	3	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	3	87%	1	1	
370330001	1	3	1	.	.	01/01/99	.	01/03/99	3	90%	3	100%	.	.	.	.
370350004	1	2	1	.	.	01/01/99	.	01/03/99	3	77%	3	65%	3	97%	.	1	
370350005	1	3	1	.	.	05/26/00	.	06/02/00	3	100%	3	100%	3	100%	1	1	
370370004	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	100%	3	93%	1	1	
370510009	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	3	90%	1	1	
370510009	2	2	1	.	.	01/01/99	.	10/03/99	6	73%	6	100%	6	80%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information								
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples	
			FRM	FRM	Sampling	Sampling	1st FRM									
370510009	3	3	.	.	1	02/01/01	.	.	.	.	.	.	.	.	.	.
370570002	1	3	1	.	.	01/01/99	.	01/03/99	3	80%	3	71%	.	.	.	.
370610002	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	.	.	3	100%	.	.
370630001	1	2	1	.	.	01/01/99	.	01/01/99	1	89%	1	92%	1	86%	1	1
370650003	1	2	1	.	.	03/01/99	.	03/01/99	1	0%	1	0%	1	9%	.	.
370670022	1	2	1	.	.	01/01/99	.	01/01/99	1	94%	1	92%	1	88%	1	1
370670022	2	3	.	.	.	06/16/99	.	.	.	.	.	.	.	.	.	.
370670022	3	3	.	.	1	06/16/99	.	.	.	.	.	.	.	.	.	.
370670024	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	94%	3	87%	1	1
370710016	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	3	100%	3	97%	1	1
370710016	2	2	1	.	.	01/01/99	.	10/03/99	6	100%	6	100%	6	100%	1	1
370810009	1	2	1	.	.	01/01/99	.	01/01/99	1	97%	1	92%	.	.	.	.
370810009	2	2	1	.	.	01/01/99	.	10/03/99	6	100%	6	100%	.	.	.	.
370811005	1	2	1	.	.	01/01/99	05/31/01	01/03/99	3	97%	3	68%	.	.	.	.
370870010	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	.	.	3	90%	.	.
370990006	1	A	1	.	.	04/01/00	.	04/03/00	1	9%	3	74%	3	87%	.	.
370990006	2	A	1	.	.	04/01/00	.	04/06/00	3	50%	6	75%	6	80%	.	1
371070004	1	3	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	3	100%	1	1
371110004	1	3	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	3	100%	1	1
371190010	1	2	1	.	.	01/01/99	.	01/01/99	1	98%	1	100%	1	99%	1	1
371190041	1	2	1	.	.	07/30/99	.	07/30/99	1	84%	1	76%	1	91%	1	1
371190041	3	3	.	.	1	11/01/99	.	.	.	.	.	.	.	.	.	.
371190041	5	T	.	1	.	10/01/00	.	.	.	.	.	.	.	.	.	.
371190042	1	2	1	.	.	09/12/00	.	09/21/00	3	97%	3	94%	3	97%	1	1
371210001	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	97%	3	100%	1	1
371210001	2	2	1	.	.	01/01/99	.	10/03/99	6	100%	6	100%	6	100%	1	1
371230001	1	3	1	.	.	07/16/99	.	07/17/99	3	93%	3	94%	3	100%	1	1
371290009	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	.	.	3	97%	.	.
371290009	2	2	1	.	.	01/01/99	.	10/03/99	6	87%	.	.	6	100%	.	.
371330005	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	.	.	3	80%	.	.
371350007	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	100%	3	97%	1	1
371390002	1	2	1	.	.	04/28/99	.	04/30/99	3	97%	3	100%	3	87%	1	1
371470005	1	2	1	.	.	03/01/99	.	03/01/99	3	83%	3	81%	3	97%	1	1
371470005	2	2	1	.	.	03/01/99	.	10/03/99	6	87%	6	88%	6	100%	1	1
371550005	1	2	1	.	.	11/23/00	.	11/23/00	3	97%	3	94%	3	97%	1	1
371730002	1	2	1	.	.	01/01/99	.	01/03/99	3	90%	3	100%	3	97%	1	1
371830014	1	2	1	.	.	01/01/99	.	01/01/99	1	98%	1	99%	1	99%	1	1
371830014	2	3	.	.	1	11/01/99	06/30/01	.	.	.	.	.	.	.	.	.
371830014	3	3	1	.	.	01/01/99	.	01/01/00	6	93%	6	100%	6	94%	1	1
371830014	7	3	.	.	1	04/01/01	.	.	.	.	.	.	.	.	.	.
371830015	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	100%	3	100%	1	1
371890003	1	3	.	.	.	09/15/01	.	.	.	.	.	.	.	.	.	.
371910005	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	3	100%	1	1
NORTH DAKOTA																
380070002	1	2	1	.	.	07/01/00	.	07/12/00	6	53%	6	94%	6	100%	.	.
380130002	1	3	1	.	.	04/01/99	.	04/06/99	6	100%	6	88%	6	87%	1	1
380130002	3	3	.	.	1	08/23/00	.	.	.	.	.	.	.	.	.	.
380130003	1	3	1	.	.	09/03/99	.	09/03/99	6	87%	6	94%	6	100%	1	1
380130003	2	3	1	.	.	01/01/00	.	01/01/00	6	100%	6	88%	.	.	.	.
380150003	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	100%	3	93%	1	1

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?			Date Sampling Began	Date Sampling Ended	Date of 1st FRM Data Pt	2001 Information								
			Non- FRM	Non- FRM					Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples	
			FRM	Daily	Hourly												
380150003	5	T	.	1	.	02/09/00
380150003	6	T	.	1	.	02/09/00
380171004	1	2	1	.	.	01/01/99	.	01/03/99	3	77%	3	97%	3	100%	1	1	
380171004	2	2	1	.	.	01/01/00	.	01/01/00	3	80%	3	97%
380171004	3	2	.	.	1	06/08/00
380171004	5	T	.	1	.	01/01/01
380350004	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	3	97%	1	1	
380570004	1	2	1	.	.	01/01/99	.	01/05/99	6	100%	6	100%	6	100%	1	1	
380570004	2	2	1	.	.	01/01/99	.	01/01/00	6	100%	6	100%
380570004	3	2	.	.	1	10/11/00
380890002	1	2	1	.	.	01/01/00	.	01/01/00	6	100%	6	100%
380910001	1	2	1	.	.	01/01/99	.	01/06/99	6	73%	6	94%	6	93%	1	1	
OHIO																	
390090003	1	2	1	.	.	01/03/99	.	01/03/99	3	93%	3	97%	3	93%	1	1	
390170003	1	2	1	.	.	01/01/99	.	01/01/99	1	92%	1	95%	1	92%	1	1	
390170016	1	2	1	.	.	10/03/00	.	10/03/00	3	93%	3	100%	3	83%	1	1	
390170017	1	2	1	.	.	10/03/00	.	10/03/00	3	100%	3	100%	3	100%	1	1	
390230005	1	2	1	.	.	07/26/00	.	07/26/00	3	87%	3	100%	3	93%	1	1	
390350013	1	2	1	.	.	01/29/99	.	01/29/99	3	87%	3	97%	3	90%	1	1	
390350027	1	2	1	.	.	01/08/99	.	01/08/99	1	94%	1	95%	1	90%	1	1	
390350034	1	2	1	.	.	07/11/00	.	07/11/00	3	100%	3	94%	3	97%	1	1	
390350038	1	2	1	.	.	01/08/99	.	01/08/99	1	81%	1	89%	1	93%	1	1	
390350045	1	2	1	.	.	12/14/99	.	12/14/99	3	97%	3	97%	3	93%	1	1	
390350060	1	2	1	.	.	01/08/99	.	01/08/99	3	97%	3	87%	3	97%	1	1	
390350060	5	T	.	1	.	12/13/00
390350060	6	T	.	1	.	04/01/01
390350065	1	2	1	.	.	01/29/99	.	01/29/99	3	97%	3	87%	3	97%	1	1	
390350066	1	2	1	.	.	01/08/99	.	01/08/99	3	73%	3	97%	3	100%	.	1	.
390351002	1	2	1	.	.	01/08/99	.	01/08/99	3	93%	3	97%	3	100%	1	1	
390490024	1	2	1	.	.	01/01/99	.	01/01/99	1	87%	1	99%	1	96%	1	1	
390490024	2	2	.	.	.	08/10/00
390490025	1	2	1	.	.	01/01/99	.	01/01/99	1	89%	1	99%	1	100%	1	1	
390490025	2	2	1	.	.	08/01/00	.	08/10/00	6	7%	6	6%
390490028	1	2	.	.	1	09/01/00
390490029	1	2	.	.	1	09/01/00
390490081	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	100%	3	93%	1	1	
390610014	1	2	1	.	.	01/01/99	.	01/01/99	1	68%	1	96%	1	96%	.	1	.
390610014	2	2	1	.	.	01/01/01	.	01/01/01	1	26%
390610040	1	2	1	.	.	04/01/99	.	04/03/99	3	93%	3	94%	3	100%	1	1	
390610040	9	2	.	.	1	01/01/01
390610041	1	2	1	.	.	03/25/99	.	03/25/99	3	100%	3	90%	3	93%	1	1	
390610041	2	2	1	.	.	02/06/00	.	02/06/00
390610042	1	2	1	.	.	10/03/00	.	10/03/00	3	90%	3	97%	3	93%	1	1	
390610043	1	2	1	.	.	10/03/00	.	10/03/00	3	90%	3	94%	3	87%	1	1	
390617001	1	2	1	.	.	01/30/99	.	01/30/99	1	96%	1	96%	1	84%	1	1	
390618001	1	2	1	.	.	03/25/99	.	03/25/99	3	93%	3	97%	3	73%	.	1	.
390810016	1	2	1	.	.	01/21/99	.	01/21/99	3	90%	3	94%	3	77%	1	1	
390811001	1	2	1	.	.	02/11/99	.	02/11/99	1	92%	1	85%	1	93%	1	1	
390851001	1	2	1	.	.	01/03/99	.	01/03/99	3	97%	3	94%	3	97%	1	1	
390870010	1	2	1	.	.	01/24/99	.	01/24/99	3	83%	3	90%	3	83%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
390930016	1	2	1	.	.	09/03/00	.	09/03/00	3	77%	3	94%	3	93%	1	1	
390932003	1	2	1	.	.	01/01/99	.	01/03/99	3	73%	3	97%	3	87%	.	1	
390950024	1	2	1	.	.	02/11/99	.	02/11/99	1	88%	1	81%	1	95%	1	1	
390950025	1	2	1	.	.	03/01/99	.	03/01/99	3	93%	3	90%	3	97%	1	1	
390950026	1	2	1	.	.	05/29/99	.	05/29/99	1	70%	1	87%	1	97%	.	1	
390990005	1	2	1	.	.	01/01/99	.	01/01/99	1	91%	1	96%	1	98%	1	1	
390990005	2	2	1	.	.	02/01/01	.	02/01/01	6	7%	.	.	.	.	.	.
391130014	1	2	1	.	.	01/15/99	08/06/01	01/15/99	1	82%	1	99%	1	25%	.	1	
391130031	1	2	1	.	.	01/14/99	.	01/14/99	1	82%	1	82%	1	77%	1	1	
391130031	3	2	.	.	.	11/11/00	.	.	.	.	.	.	.	.	.	.
391130031	9	2	.	.	1	03/12/01	.	.	.	.	.	.	.	.	.	.
391130032	1	2	1	.	.	08/01/01	.	08/01/01	.	.	.	.	1	64%	.	.
391330002	1	2	1	.	.	01/30/99	.	01/30/99	3	100%	3	97%	3	90%	1	1	
391351001	1	2	1	.	.	01/21/99	.	01/21/99	3	83%	3	97%	3	100%	1	1	
391450013	1	2	1	.	.	01/15/99	.	01/15/99	3	90%	3	94%	3	100%	1	1	
391510017	1	2	1	.	.	01/03/99	.	01/03/99	3	100%	3	94%	3	100%	1	1	
391510017	2	2	1	.	.	06/12/01	.	06/12/01	.	.	6	6%	.	.	.	.
391510020	1	2	1	.	.	01/03/99	.	01/03/99	3	90%	3	94%	3	100%	1	1	
391530017	1	2	1	.	.	01/01/99	.	01/01/99	1	84%	1	93%	1	93%	1	1	
391530017	2	2	1	.	.	03/13/00	.	03/13/00	.	.	.	.	.	.	.	.
391530023	1	2	1	.	.	01/01/99	.	01/01/99	1	97%	1	97%	1	90%	1	1	
391550007	1	2	1	.	.	01/01/99	.	01/01/99	1	92%	1	92%	1	98%	1	1	
OKLAHOMA																	
400159008	1	A	1	.	.	04/24/00	.	04/24/00	6	93%	6	100%	6	80%	1	1	
400179001	1	A	1	.	.	08/16/99	.	08/16/99	6	93%	6	100%	6	93%	1	1	
400190295	1	2	1	.	.	12/13/99	.	12/20/99	3	93%	3	94%	.	.	.	.
400219002	1	A	1	.	.	08/22/99	.	08/22/99	6	100%	6	88%	6	93%	1	1	
400219002	2	A	1	.	.	08/28/99	.	08/28/99	6	100%	6	88%	6	73%	1	1	
400270049	3	5	.	.	.	05/01/01	.	.	.	.	.	.	.	.	.	.
400310647	3	5	.	.	.	05/01/01	.	.	.	.	.	.	.	.	.	.
400310648	1	3	1	.	.	02/04/99	.	04/06/99	3	83%	3	97%	.	.	.	.
400310648	2	3	1	.	.	04/06/99	.	04/06/99	6	93%	6	56%	.	.	.	.
400390852	1	3	1	.	.	01/01/99	.	04/06/99	6	100%	6	100%	.	.	.	.
400470554	1	3	1	.	.	01/26/99	.	04/06/99	3	93%	3	100%	.	.	.	.
400470554	2	3	1	.	.	04/06/99	.	04/06/99	6	80%	6	100%	.	.	.	.
400710602	1	3	1	.	.	03/01/99	.	05/06/99	3	97%	3	100%	.	.	.	.
400719003	1	A	1	.	.	02/08/00	.	02/18/00	6	80%	6	88%	6	87%	1	1	
400719003	2	A	1	.	.	03/01/00	.	03/01/00	6	87%	6	94%	6	93%	1	1	
400819005	1	A	1	.	.	02/18/00	.	02/18/00	6	80%	6	75%	6	80%	1	1	
400819005	2	A	1	.	.	06/24/01	.	06/24/01	.	.	6	6%	6	7%	.	.	
400970186	1	3	1	.	.	02/28/99	.	04/12/99	3	94%	3	100%	.	.	.	.
401010169	1	3	1	.	.	01/25/99	.	04/06/99	3	87%	3	87%	.	.	.	.
401090035	1	3	1	.	.	01/01/99	.	04/01/99	1	83%	1	90%	.	.	.	.
401090035	2	3	1	.	.	04/06/99	.	04/06/99	6	93%	6	82%	.	.	.	.
401090038	1	3	1	.	.	01/20/99	.	04/06/99	1	99%	1	91%	.	.	.	.
401091037	1	3	1	.	.	01/01/99	.	04/06/99	3	97%	3	74%	.	.	.	.
401159004	1	A	1	.	.	08/16/99	.	08/16/99	6	100%	6	100%	6	100%	1	1	
401179007	1	A	1	.	.	04/06/00	.	04/06/00	6	87%	6	88%	6	93%	1	1	
401190614	1	3	1	.	.	01/29/99	.	04/06/99	6	100%	6	94%	.	.	.	.
401210415	1	2	1	.	.	04/01/99	.	04/06/99	3	83%	3	87%	.	.	.	.

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
401339006	1	A	1	.	.	02/18/00	.	02/18/00	6	93%	6	100%	6	93%	1	1	
401430110	1	2	1	.	.	01/01/99	.	04/02/99	1	99%	1	95%	.	.	.	.
401430110	2	3	1	.	.	04/12/99	.	04/12/99	6	87%	6	94%	.	.	.	.
401430131	1	2	1	.	.	01/01/99	.	04/03/99	1	91%	1	97%	.	.	.	.
401431127	1	2	1	.	.	01/13/01	.	01/13/01	3	81%	3	97%	.	.	.	.
401431127	3	5	.	.	.	05/01/01	.	.	.	.	.	.	.	.	.	.
401431127	5	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
OREGON																	
410030013	1	2	1	.	.	01/01/99	.	01/03/99	3	87%	3	94%	3	97%	1	1	
410090004	1	3	1	.	.	01/01/99	.	01/01/99	3	87%	3	100%	3	97%	1	1	
410170113	1	2	1	.	.	01/01/99	02/28/01	01/06/99	1	51%	.	.	.	.	.	.
410170120	1	2	1	.	.	03/01/01	.	03/02/01	1	29%	1	89%	1	88%	.	1	
410250002	1	2	1	.	.	10/03/99	.	01/01/00	6	87%	6	100%	6	93%	1	1	
410290133	1	2	1	.	.	01/01/99	.	01/01/99	1	88%	1	99%	1	100%	1	1	
410291001	1	3	1	.	.	01/01/99	.	01/01/99	3	93%	3	97%	3	97%	1	1	
410292129	1	3	1	.	.	09/15/99	.	09/15/99	1	99%	1	98%	1	97%	1	1	
410330107	1	2	1	.	.	01/01/99	.	08/31/99	3	100%	3	91%	3	90%	1	1	
410350004	1	2	1	.	.	01/01/99	.	01/06/99	1	94%	1	95%	1	84%	1	1	
410370001	1	2	1	.	.	01/01/99	.	01/06/99	1	90%	1	99%	1	99%	1	1	
410370003	1	3	1	.	.	09/09/99	.	09/09/99	6	100%	6	100%	6	93%	1	1	
410390060	1	2	1	.	.	01/01/99	.	01/01/99	1	99%	1	98%	1	99%	1	1	
410391007	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	94%	3	97%	1	1	
410391061	1	2	1	.	.	11/19/99	.	01/01/00	1	89%	1	100%	1	100%	1	1	
410392013	1	2	1	.	.	01/01/99	.	01/01/99	.	.	1	100%	1	98%	.	.	
410430009	1	2	1	.	.	10/27/99	.	10/27/99	3	100%	3	100%	3	94%	1	1	
410470040	1	2	1	.	.	01/01/99	.	01/09/99	3	100%	3	100%	3	97%	1	1	
410470110	1	2	1	.	.	06/17/99	.	07/29/99	3	97%	3	100%	3	100%	1	1	
410510080	1	2	1	.	.	01/01/99	.	01/01/99	1	96%	1	97%	1	97%	1	1	
410510080	5	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.
410510080	6	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.
410510244	1	2	1	.	.	12/17/98	.	01/01/99	1	98%	1	99%	1	100%	1	1	
410510246	1	2	1	.	.	08/27/99	.	08/27/99	1	99%	1	96%	1	91%	1	1	
410590121	1	2	1	.	.	01/01/99	.	01/06/99	1	74%	1	87%	1	84%	.	1	
410610117	1	2	1	.	.	07/01/99	.	09/15/99	1	98%	1	90%	1	92%	1	1	
410619103	1	2	1	.	.	07/01/99	.	09/15/99	6	100%	6	50%	6	87%	.	.	
410650007	1	2	1	.	.	08/06/99	.	12/14/99	6	100%	6	100%	6	100%	1	1	
410670111	1	2	1	.	.	01/01/99	.	01/01/99	3	97%	3	100%	3	100%	1	1	
410671003	1	2	1	.	.	08/20/99	.	09/15/99	3	93%	3	97%	3	97%	1	1	
PENNSYLVANIA																	
420010001	1	2	1	.	.	01/01/99	.	01/01/99	1	99%	1	99%	1	32%	.	1	
420010001	3	2	.	.	1	10/13/00	.	.	.	.	.	.	.	.	.	.
420010001	5	3	.	1	.	06/30/01	.	.	.	.	.	.	.	.	.	.
420030008	1	2	1	.	.	02/23/99	.	02/23/99	1	96%	1	100%	.	.	.	.
420030008	2	3	1	.	.	09/02/99	.	11/06/99	.	.	6	6%	.	.	.	.
420030008	5	3	.	.	1	05/24/00	.	.	.	.	.	.	.	.	.	.
420030008	6	T	.	1	.	06/30/01	.	.	.	.	.	.	.	.	.	.
420030021	1	2	1	.	.	02/14/99	.	02/14/99	3	91%	3	88%	.	.	.	.
420030021	5	3	.	1	.	06/30/01	.	.	.	.	.	.	.	.	.	.
420030064	1	2	1	.	.	01/23/99	.	01/23/99	1	94%	1	99%	.	.	.	.
420030064	2	3	1	.	.	01/24/99	.	07/16/99	.	.	6	6%	.	.	.	.

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
420030064	5	3	.	.	1	11/19/99	.	.	.	.	.	.	.	.	.	.
420030067	1	2	1	.	.	04/12/99	.	04/12/99	3	79%	3	75%	.	.	.	.
420030093	1	3	1	.	.	03/25/99	.	03/25/99	6	73%	6	100%	.	.	.	.
420030095	1	3	1	.	.	01/30/99	.	01/30/99	6	80%	6	63%	.	.	.	.
420030116	1	2	1	.	.	01/30/99	.	01/31/99	3	88%	3	88%	.	.	.	.
420030131	1	2	1	.	.	02/05/99	.	02/05/99	6	93%	6	94%	.	.	.	.
420031008	1	2	1	.	.	02/13/99	.	02/13/99	3	88%	3	76%	.	.	.	.
420031301	1	2	1	.	.	01/30/99	.	01/30/99	3	76%	3	91%	.	.	.	.
420031301	2	3	1	.	.	04/18/99	.	07/23/99	.	.	.	.	.	.	.	.
420033007	1	3	1	.	.	01/01/01	.	04/01/01	.	.	6	94%	.	.	.	.
420039002	1	3	1	.	.	01/24/99	.	01/24/99	6	94%	6	88%	.	.	.	.
420050001	3	2	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
420050001	5	3	.	.	1	11/09/99	.	.	.	.	.	.	.	.	.	.
420070014	1	2	1	.	.	12/01/99	.	01/01/00	3	93%	3	90%	3	23%	.	.	
420070014	2	3	1	.	.	12/01/99	.	01/19/00	6	27%	6	13%	6	7%	.	.	
420110009	1	2	1	.	.	01/01/99	.	01/30/99	3	100%	3	100%	3	33%	.	.	
420170012	1	2	1	.	.	01/01/99	.	02/11/99	3	97%	3	100%	3	30%	.	.	
420210011	1	2	1	.	.	01/01/99	.	02/14/99	3	90%	3	100%	3	30%	.	.	
420270100	1	2	1	.	.	02/01/00	.	02/18/00	1	92%	1	88%	1	33%	.	1	
420410100	1	2	1	.	.	02/01/00	.	02/15/00	1	96%	.	.	.	.	.	.
420410101	1	2	1	.	.	03/29/01	.	03/29/01	1	3%	1	100%	1	34%	.	.	
420430401	1	2	1	.	.	01/01/99	.	01/01/99	1	98%	1	99%	1	34%	.	1	
420450002	1	2	1	.	.	01/01/99	.	01/06/99	3	100%	3	100%	3	33%	.	.	
420450002	2	3	1	.	.	01/01/99	.	03/19/00	.	.	.	.	.	.	.	.
420490003	1	2	1	.	.	01/01/99	.	01/30/99	1	86%	1	79%	1	24%	.	1	
420692006	1	2	1	.	.	01/01/99	.	01/30/99	1	99%	1	98%	1	33%	.	1	
420692006	2	3	1	.	.	01/01/99	.	05/18/00	.	.	6	31%	6	7%	.	.	
420710007	1	2	1	.	.	01/01/99	.	01/09/99	3	97%	3	100%	3	33%	.	.	
420710007	2	3	1	.	.	01/01/99	.	01/07/00	6	13%	.	.	.	.	.	.
420770004	1	2	1	.	.	01/01/99	.	01/30/99	1	99%	1	98%	1	33%	.	1	
420791101	1	2	1	.	.	01/01/99	.	01/05/99	1	97%	1	99%	1	34%	.	1	
420850100	1	2	1	.	.	02/01/00	.	04/09/00	1	89%	1	97%	1	33%	.	1	
420910013	1	2	1	.	.	01/01/99	.	02/14/99	3	100%	3	100%	3	33%	.	.	
420950025	1	2	1	.	.	01/01/99	.	01/05/99	1	83%	1	99%	1	32%	.	1	
420958000	3	2	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
420958000	5	3	.	.	1	10/20/99	.	.	.	.	.	.	.	.	.	.
420990301	1	2	1	.	.	12/01/99	.	01/01/00	3	100%	3	97%	3	33%	.	.	
421010004	1	2	1	.	.	01/01/99	.	02/04/99	1	76%	1	91%	1	98%	1	1	
421010004	2	2	.	.	.	01/01/99	.	.	.	.	.	.	.	.	.	.
421010004	5	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.
421010004	6	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.
421010004	7	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
421010020	1	2	1	.	.	01/01/99	.	02/11/99	3	70%	3	94%	3	93%	.	1	
421010024	1	2	1	.	.	01/01/99	.	02/17/99	3	100%	3	90%	3	97%	1	1	
421010047	1	2	1	.	.	01/01/99	.	02/20/99	3	83%	3	87%	3	87%	1	1	
421010136	1	2	1	.	.	01/01/99	.	02/04/99	1	86%	1	89%	1	99%	1	1	
421250005	1	2	1	.	.	01/01/99	.	01/15/99	3	93%	3	100%	3	33%	.	.	
421250005	2	3	1	.	.	01/01/99	.	01/19/00	6	13%	.	.	.	.	.	.
421250200	1	2	1	.	.	01/01/99	.	01/18/99	3	97%	3	100%	3	33%	.	.	
421255001	1	2	1	.	.	01/01/99	.	01/08/99	1	99%	1	96%	1	25%	.	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?				Date Sampling Began	Date Sampling Ended	Date of 1st FRM Data Pt	2001 Information							
			Non- FRM	Non- FRM	FRM	FRM				Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples
			Daily	Hourly													
421255001	5	T	.	1	.	06/30/01
421290008	1	2	1	.	.	01/01/99	.	02/11/99	3	100%	3	94%	3	33%	.	.	
421290008	5	T	.	1	.	06/30/01	.	.	.	.	.	.	.	.	.	.
421330008	1	2	1	.	.	01/01/99	.	01/09/99	3	100%	3	84%	3	20%	.	.	
421330008	2	3	1	.	.	01/01/99	.	01/19/00	.	.	6	19%	6	7%	.	.	
PUERTO RICO																	
720170003	1	2	.	.	1	04/10/00	.	.	.	.	.	.	.	.	.	.
720210009	1	2	1	.	.	02/02/99	.	02/02/99	3	90%	3	100%	.	.	.	.
720330007	1	2	.	.	1	11/29/00	.	.	.	.	.	.	.	.	.	.
720530003	1	2	1	.	.	04/20/99	.	04/21/99	1	87%	1	92%	.	.	.	.
720570008	1	2	1	.	.	01/15/99	.	01/24/99	3	80%	3	94%	.	.	.	.
720590016	1	2	1	.	.	01/15/99	.	01/24/99	3	83%	3	90%	.	.	.	.
720610005	1	2	1	.	.	01/15/99	.	01/23/99	1	94%	1	85%	.	.	.	.
720610005	5	T	.	1	.	10/01/00	.	.	.	.	.	.	.	.	.	.
720690001	1	2	1	.	.	02/12/00	.	02/12/00	3	80%	3	87%	.	.	.	.
720810001	1	2	1	.	.	01/15/99	.	01/21/99	3	87%	3	94%	.	.	.	.
720970003	1	2	1	.	.	01/24/99	.	01/24/99	3	93%	3	77%	.	.	.	.
721130004	1	2	1	.	.	01/15/99	.	01/24/99	3	87%	3	100%	.	.	.	.
721270003	1	2	1	.	.	03/21/99	.	03/21/99	1	80%	1	93%	.	.	.	.
RHODE ISLAND																	
440030002	1	2	1	.	.	01/06/99	.	01/06/99	3	90%	3	100%	3	63%	.	1	
440070020	1	3	1	.	.	01/06/99	.	01/06/99	6	93%	6	88%	6	67%	.	.	
440070022	1	2	1	.	.	01/01/99	.	01/06/99	1	78%	1	91%	1	64%	.	1	
440070022	2	3	1	.	.	01/01/99	.	01/06/99	6	53%	6	69%	6	20%	.	.	
440070022	5	2	.	.	.	12/01/00	.	.	.	.	.	.	.	.	.	.
440070023	1	2	1	.	.	12/01/99	.	12/11/99	3	97%	3	97%	3	63%	.	1	
440070026	1	3	1	.	.	03/02/01	.	03/02/01	3	30%	3	81%	3	67%	.	.	
440071005	1	2	1	.	.	01/06/99	.	01/06/99	3	30%	.	.	.	.	.	.
440071010	1	2	1	.	.	01/06/99	.	01/06/99	1	91%	1	98%	1	64%	.	1	
440071010	2	3	1	.	.	01/06/99	.	01/06/99	6	80%	6	94%	6	67%	.	.	
440071010	5	T	.	.	.	12/01/00	.	.	.	.	.	.	.	.	.	.
440090007	1	2	1	.	.	01/01/99	.	01/06/99	3	63%	3	55%	3	63%	.	1	
SOUTH CAROLINA																	
450070003	1	3	.	.	1	07/19/00	.	.	.	.	.	.	.	.	.	.
450130007	1	2	1	.	.	03/25/99	.	03/25/99	3	93%	3	94%	3	93%	1	1	
450190046	1	2	1	.	.	01/15/99	.	01/15/99	3	83%	3	90%	3	100%	1	1	
450190048	1	2	1	.	.	04/15/99	.	04/15/99	1	98%	1	97%	1	92%	1	1	
450190048	2	3	1	.	.	04/24/99	.	04/24/99	6	87%	6	100%	6	80%	1	1	
450190049	1	2	1	.	.	11/26/98	.	01/01/99	1	97%	1	97%	1	96%	1	1	
450190049	5	T	.	1	.	01/01/01	.	.	.	.	.	.	.	.	.	.
450250001	1	3	1	.	.	01/07/00	.	01/07/00	3	97%	3	90%	3	90%	1	1	
450290002	1	3	1	.	.	04/15/99	.	04/15/99	.	.	.	.	.	.	.	.
450290002	2	3	.	.	1	06/24/99	.	.	.	.	.	.	.	.	.	.
450370001	1	2	1	.	.	04/30/99	.	04/30/99	3	90%	3	97%	3	93%	1	1	
450370001	2	3	.	.	1	06/03/99	.	.	.	.	.	.	.	.	.	.
450410002	1	2	1	.	.	02/23/99	.	02/23/99	3	87%	3	90%	3	87%	1	1	
450430009	1	3	1	.	.	01/15/99	.	01/15/99	3	90%	3	100%	3	97%	1	1	
450430009	2	3	1	.	.	01/21/99	.	01/21/99	.	.	.	.	.	.	.	.
450450008	1	2	1	.	.	08/09/01	.	08/11/01	.	.	.	.	3	53%	.	.
450450009	1	2	1	.	.	05/30/99	.	05/30/99	1	96%	1	96%	1	99%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?				2001 Information										
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
450450009	2	3	1	.	.	05/30/99	.	05/30/99	6	93%	6	100%	6	87%	1	1	
450470003	1	2	1	.	.	12/04/98	.	01/03/99	3	93%	3	94%	3	97%	1	1	
450510002	1	2	1	.	.	11/01/00	.	12/20/00	3	93%	3	97%	3	83%	1	1	
450510002	2	3	1	.	.	11/01/00	.	12/17/00	3	93%	3	84%	3	83%	1	1	
450630005	1	3	1	.	.	11/19/98	.	01/03/99	3	93%	3	100%	3	100%	1	1	
450630008	1	2	1	.	.	12/01/98	.	01/03/99	3	93%	3	100%	3	100%	1	1	
450730001	1	2	1	.	.	12/31/98	.	01/03/99	3	93%	3	90%	3	100%	1	1	
450790007	1	2	1	.	.	11/01/98	.	01/03/99	3	97%	3	97%	3	100%	1	1	
450790018	1	3	.	.	1	08/17/99	.	.	.	.	.	.	.	.	.	.
450790019	1	2	1	.	.	11/26/98	.	01/03/99	3	83%	3	94%	3	93%	1	1	
450790019	2	3	1	.	.	11/26/98	.	01/03/99	3	60%	3	90%	3	93%	.	1	
450830010	1	2	1	.	.	11/13/98	.	01/01/99	1	97%	1	99%	1	88%	1	1	
450910006	1	3	1	.	.	12/10/98	.	01/03/99	3	93%	3	68%	3	90%	.	1	
SOUTH DAKOTA																	
460110002	1	2	1	.	.	01/01/99	.	04/03/99	3	94%	3	100%	3	93%	1	1	
460130003	1	2	1	.	.	12/20/99	.	01/01/00	3	100%	3	100%	3	100%	1	1	
460710001	1	2	1	.	.	12/31/99	.	01/01/00	6	100%	6	100%	6	100%	1	1	
460930001	1	2	1	.	.	11/29/00	.	01/01/01	3	93%	3	97%	3	97%	1	1	
460990006	1	2	1	.	.	01/01/99	.	04/03/99	3	93%	3	100%	3	100%	1	1	
460990007	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	3	100%	3	90%	1	1	
461030013	1	3	1	.	.	06/01/00	.	06/11/00	6	100%	6	94%	6	100%	1	1	
461030016	1	2	1	.	.	01/01/99	.	01/03/99	3	90%	3	90%	3	97%	1	1	
461030016	3	3	.	.	1	04/01/01	.	.	.	.	.	.	.	.	.	.
461030017	1	2	1	.	.	01/01/99	.	04/03/99	3	87%	3	71%	3	87%	.	1	
461030019	1	2	1	.	.	01/01/00	.	01/01/00	3	97%	3	77%	3	97%	1	1	
461031001	1	2	1	.	.	01/01/99	.	04/03/99	3	97%	3	97%	3	93%	1	1	
TENNESSEE																	
470090011	1	3	1	.	.	05/01/00	.	05/06/00	3	73%	3	65%	3	83%	.	1	
470370023	1	2	1	.	.	01/01/99	.	01/01/99	1	96%	1	93%	1	98%	1	1	
470370023	2	3	1	.	.	01/01/99	.	01/06/99	6	100%	6	100%	6	87%	1	1	
470370023	3	3	.	.	1	03/01/01	.	.	.	.	.	.	.	.	.	.
470370025	1	2	1	.	.	01/01/99	.	01/03/99	3	93%	3	97%	3	90%	1	1	
470370036	1	2	1	.	.	01/01/99	.	01/01/99	1	90%	1	80%	1	92%	1	1	
470450004	1	2	1	.	.	08/22/99	.	08/25/99	3	97%	3	81%	3	90%	1	1	
470650031	1	3	1	.	.	05/06/99	.	05/06/99	6	87%	6	94%	6	100%	1	1	
470650032	1	3	1	.	.	06/05/99	.	06/05/99	6	94%	6	100%	6	100%	1	1	
470654002	1	2	1	.	.	01/01/99	.	01/01/99	3	93%	3	100%	3	100%	1	1	
470654002	2	2	1	.	.	01/01/99	.	12/08/99	6	7%	.	.	.	.	.	.
470930028	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	97%	3	60%	.	1	
470931017	1	2	1	.	.	01/01/99	.	01/01/99	1	93%	1	92%	1	63%	.	1	
470931017	2	3	1	.	.	01/01/99	.	01/06/99	6	100%	6	88%	6	67%	.	.	
470931020	1	2	1	.	.	01/01/99	.	01/01/99	1	86%	1	90%	1	63%	.	1	
470990002	1	2	1	.	.	10/01/98	.	01/03/99	3	83%	3	74%	3	90%	.	1	
471071002	1	3	1	.	.	02/03/00	.	02/03/00	3	90%	3	81%	3	87%	1	1	
471130004	1	2	1	.	.	10/01/98	.	01/03/99	3	77%	3	68%	3	90%	.	1	
471130004	2	3	1	.	.	01/01/99	.	08/25/99	3	97%	3	55%	3	90%	.	1	
471192007	1	3	1	.	.	12/25/98	.	01/03/99	3	83%	3	71%	3	87%	.	1	
471251009	1	2	1	.	.	10/01/98	.	01/03/99	3	93%	3	74%	3	90%	.	1	
471410001	1	3	1	.	.	12/25/98	.	09/15/99	3	60%	3	71%	3	97%	.	1	
471450004	1	3	1	.	.	10/01/98	.	01/03/99	3	63%	3	81%	3	93%	.	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
471570014	1	2	1	.	.	12/01/98	.	01/18/99	3	87%	3	97%	3	90%	1	1	
471570038	1	2	1	.	.	12/01/98	.	01/16/99	1	69%	1	98%	1	91%	.	1	
471570047	1	2	1	.	.	12/01/98	.	01/16/99	1	91%	1	97%	1	83%	1	1	
471570047	2	3	1	.	.	01/01/99	.	07/06/01	.	.	.	.	6	73%	.	.
471570047	5	T	.	1	.	10/01/00	.	.	.	.	.	.	.	.	.	.
471571004	1	2	1	.	.	12/01/98	.	08/31/00	3	53%	3	84%	3	67%	.	1	
471631007	1	2	1	.	.	10/01/98	.	01/03/99	3	93%	3	61%	3	93%	.	1	
471631007	2	3	1	.	.	01/01/99	.	12/23/99	3	97%	3	55%	3	77%	.	1	
471650007	1	2	1	.	.	10/01/98	.	01/03/99	3	93%	3	77%	3	100%	1	1	
471650007	2	3	1	.	.	10/01/98	.	01/03/99	3	97%	3	81%	3	97%	1	1	
TEXAS																	
480290034	2	2	1	.	.	03/31/99	.	03/31/99	.	.	.	.	.	.	.	.
480290052	1	2	1	.	.	01/01/99	.	03/31/99	1	78%	1	81%	1	27%	.	1	
480290053	1	2	1	.	.	10/06/99	.	10/06/99	3	65%	1	35%	1	30%	.	1	
480290053	3	3	.	.	1	02/15/00	.	.	.	.	.	.	.	.	.	.
480290059	3	3	.	.	1	02/01/00	.	.	.	.	.	.	.	.	.	.
480290060	1	2	1	.	.	06/03/00	.	06/05/00	1	76%	1	98%	1	60%	.	1	
480290060	2	2	1	.	.	06/05/00	.	06/05/00	6	27%	1	7%	1	15%	.	.	
480370004	1	2	1	.	.	01/06/99	.	02/17/99	3	88%	3	89%	3	87%	1	1	
480391003	1	2	1	.	.	01/06/99	.	11/26/99	3	94%	3	82%	3	81%	1	1	
480430002	5	3	1	.	.	03/07/01	.	03/08/01	6	13%	6	61%	6	0%	.	.	
480550062	1	2	1	.	.	01/03/99	.	03/31/99	3	90%	3	87%	1	27%	.	1	
480610006	3	3	.	.	1	02/01/00	.	.	.	.	.	.	.	.	.	.
480612002	1	2	1	.	.	01/03/99	.	01/07/00	3	79%	3	94%	3	100%	1	1	
480850005	1	2	1	.	.	01/06/99	.	03/13/99	3	100%	3	100%	3	100%	1	1	
481130020	1	2	1	.	.	01/01/99	.	03/11/99	1	97%	1	99%	1	92%	1	1	
481130035	1	2	1	.	.	01/03/99	.	01/06/99	3	90%	3	97%	3	97%	1	1	
481130050	1	2	1	.	.	01/01/99	.	01/01/99	1	99%	1	100%	1	99%	1	1	
481130050	2	2	1	.	.	03/25/99	.	03/25/99	6	100%	6	94%	6	100%	1	1	
481130057	1	2	1	.	.	01/06/99	.	01/06/99	3	97%	3	94%	3	100%	1	1	
481130069	1	2	1	.	.	01/01/99	.	03/11/99	1	97%	1	97%	1	83%	1	1	
481130069	2	2	1	.	.	03/31/99	.	03/31/99	6	100%	6	100%	6	93%	1	1	
481130069	3	3	.	.	1	07/28/00	.	.	.	.	.	.	.	.	.	.
481130069	5	T	.	1	.	10/01/00	.	.	.	.	.	.	.	.	.	.
481130087	1	2	1	.	.	01/03/99	.	01/03/99	3	100%	3	100%	3	100%	1	1	
481133003	3	3	.	.	1	11/16/00	.	.	.	.	.	.	.	.	.	.
481210034	3	3	.	.	1	02/01/00	.	.	.	.	.	.	.	.	.	.
481350003	1	2	1	.	.	01/03/99	.	03/28/99	1	19%	3	82%	3	82%	.	1	
481350003	3	3	.	.	1	02/01/00	.	.	.	.	.	.	.	.	.	.
481350004	3	3	.	.	1	08/16/00	.	.	.	.	.	.	.	.	.	.
481390015	3	3	.	.	1	02/01/00	.	.	.	.	.	.	.	.	.	.
481390017	3	3	.	.	1	08/25/00	.	.	.	.	.	.	.	.	.	.
481410002	1	2	1	.	.	01/01/99	.	04/02/99	1	89%	1	92%	1	98%	1	1	
481410010	1	2	1	.	.	01/06/99	.	12/02/99	3	78%	3	100%	3	98%	1	1	
481410010	2	2	1	.	.	12/02/99	.	12/02/99	6	82%	3	59%	1	28%	.	1	
481410037	1	2	1	.	.	01/01/99	.	01/30/99	1	89%	1	89%	1	98%	1	1	
481410037	3	3	.	.	1	02/01/00	.	.	.	.	.	.	.	.	.	.
481410038	1	2	1	.	.	01/06/99	.	12/14/99	3	91%	3	92%	3	95%	1	1	
481410044	1	2	1	.	.	01/01/99	.	01/30/99	1	99%	1	96%	1	98%	1	1	
481410044	2	2	1	.	.	02/17/99	.	02/17/99	6	100%	6	94%	6	100%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples
			FRM	FRM	FRM	FRM	Sampling	Sampling	1st FRM								
483390089	1	2	1	.	.	11/05/99	.	11/26/99	.	.	.	.	.	.	.	.	.
483390089	3	3	.	.	1	02/16/00	.	.	.	.	.	.	.	.	.	.	.
483390089	5	2	1	.	.	08/14/00	.	08/15/00	3	94%	3	48%	6	0%	.	.	.
483550020	1	2	1	.	.	01/03/99	.	01/07/00	3	97%	3	100%	3	100%	1	1	.
483550025	3	3	.	.	1	02/01/00	.	.	.	.	.	.	.	.	.	.	.
483550032	1	2	1	.	.	01/06/99	.	01/07/00	3	91%	3	97%	3	85%	1	1	.
483550032	2	2	1	.	.	01/19/00	.	01/19/00	6	100%	6	94%	6	94%	1	1	.
483550034	5	3	1	.	.	01/31/01	.	01/31/01	6	67%	6	94%	.	.	.	.	.
483611001	1	2	1	.	.	03/13/00	.	03/13/00	3	100%	3	100%	3	100%	1	1	.
483750005	1	2	1	.	.	01/03/99	.	05/12/00	3	20%	1	36%	1	24%	.	.	.
483750005	3	3	.	.	1	03/02/01	.	.	.	.	.	.	.	.	.	.	.
484390063	1	2	1	.	.	01/03/99	.	01/30/99	3	100%	3	97%	3	97%	1	1	.
484391002	1	2	1	.	.	01/01/99	.	03/11/99	1	100%	1	96%	1	91%	1	1	.
484391002	2	2	1	.	.	12/08/99	.	12/08/99	6	100%	6	100%	6	87%	1	1	.
484391003	1	2	1	.	.	01/01/99	.	08/14/99	1	91%	.	.	.	.	.	.	.
484391006	1	2	1	.	.	04/01/01	.	04/01/01	.	.	1	97%	1	99%	.	.	.
484391006	3	3	.	.	1	04/11/01	.	.	.	.	.	.	.	.	.	.	.
484393006	1	2	1	.	.	01/01/99	.	02/03/99	1	99%	1	95%	1	100%	1	1	.
484393006	2	2	1	.	.	01/06/99	.	01/06/99	6	100%	6	94%	6	100%	1	1	.
484393008	3	3	.	.	1	03/14/01	.	.	.	.	.	.	.	.	.	.	.
484393009	3	3	.	.	1	09/01/00	.	.	.	.	.	.	.	.	.	.	.
484530014	3	3	.	.	1	04/01/01	.	.	.	.	.	.	.	.	.	.	.
484530020	1	2	1	.	.	01/01/99	.	03/12/99	1	93%	1	70%	1	90%	.	.	1
484530020	2	2	1	.	.	03/13/99	.	03/13/99	6	73%	6	56%	1	21%	.	.	.
484530020	3	3	.	.	1	04/01/01	.	.	.	.	.	.	.	.	.	.	.
484530021	1	2	1	.	.	09/29/99	.	10/30/99	1	99%	1	74%	1	89%	.	.	1
484790016	1	2	1	.	.	01/06/99	.	08/10/99	3	97%	3	97%	3	92%	1	1	.
484790017	3	3	.	.	1	02/04/00	.	.	.	.	.	.	.	.	.	.	.
UTAH																	
490030003	1	2	1	.	.	08/19/00	.	08/19/00	3	97%	3	94%	3	100%	1	1	.
490050004	1	2	1	.	.	02/18/00	.	02/18/00	3	100%	3	90%	3	100%	1	1	.
490110001	1	2	1	.	.	01/01/99	.	01/04/99	3	97%	3	100%	3	93%	1	1	.
490350003	1	2	1	.	.	01/01/98	.	01/03/99	3	100%	3	90%	3	97%	1	1	.
490350012	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	3	97%	1	1	.
490353003	1	2	1	.	.	09/09/00	08/14/01	09/09/00	3	87%	3	97%	3	47%	.	.	1
490353006	1	2	1	.	.	01/01/98	.	01/01/99	1	100%	1	89%	1	92%	1	1	.
490353006	5	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.	.
490353006	6	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.	.
490353007	1	2	1	.	.	01/21/99	.	01/24/99	3	97%	3	87%	3	83%	1	1	.
490450002	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	90%	3	84%	1	1	.
490490002	1	2	1	.	.	01/01/98	.	01/03/99	3	90%	3	81%	3	97%	1	1	.
490494001	1	2	1	.	.	01/01/98	.	01/01/99	1	98%	1	99%	1	99%	1	1	.
490494001	5	T	.	1	.	06/12/01	.	.	.	.	.	.	.	.	.	.	.
490495008	1	2	1	.	.	03/22/00	.	03/22/00	3	93%	3	90%	3	90%	1	1	.
490495010	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	94%	3	100%	1	1	.
490570002	1	2	1	.	.	07/01/01	.	07/05/01	.	.	.	.	3	63%	.	.	.
490570007	1	2	1	.	.	01/01/99	.	01/03/99	3	90%	3	94%	3	83%	1	1	.
490571003	1	2	1	.	.	11/05/00	.	11/05/00	3	100%	3	100%	3	100%	1	1	.
VERMONT																	
500030005	1	2	1	.	.	01/03/99	.	01/03/99	3	97%	3	97%	3	100%	1	1	.

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
500070007	1	2	1	.	.	01/03/99	.	01/03/99	3	100%	3	94%	3	97%	1	1	
500070012	1	3	1	.	.	07/29/99	.	07/29/99	3	100%	3	100%	3	100%	1	1	
500070012	2	3	1	.	.	01/07/00	.	01/07/00	3	80%	3	87%	3	97%	1	1	
500070012	3	3	.	.	1	08/31/01	.	.	.	.	.	.	.	.	.	.
500070012	5	T	.	1	.	12/13/00	.	.	.	.	.	.	.	.	.	.
500210002	1	2	1	.	.	01/03/99	.	01/03/99	3	97%	3	90%	3	93%	1	1	
500210002	4	3	.	.	1	07/13/01	.	.	.	.	.	.	.	.	.	.
500230005	1	3	1	.	.	01/12/99	.	01/12/99	3	90%	3	100%	3	93%	1	1	
VIRGIN ISLANDS																	
780010012	1	2	1	.	.	01/12/99	.	01/12/99	6	40%	6	38%	.	.	.	.
780050009	1	2	1	.	.	04/06/00	.	04/06/00	6	80%	6	81%	.	.	.	.
VIRGINIA																	
510130020	1	2	1	.	.	01/01/99	.	01/29/99	3	97%	3	100%	3	100%	1	1	
510360002	1	2	1	.	.	01/01/99	.	01/30/99	3	83%	3	87%	3	87%	1	1	
510410003	1	2	1	.	.	01/01/99	.	02/02/99	3	87%	3	84%	3	93%	1	1	
510590030	1	2	1	.	.	01/01/99	.	01/29/99	1	84%	1	80%	1	63%	.	1	
510591004	1	2	1	.	.	01/01/99	.	01/30/99	3	80%	3	19%	.	.	.	.
510591004	3	2	.	.	.	11/02/99	.	.	.	.	.	.	.	.	.	.
510595001	1	2	1	.	.	01/01/99	.	01/30/99	3	80%	3	94%	3	87%	1	1	
510870014	1	2	1	.	.	01/01/99	.	01/28/99	3	97%	3	100%	3	97%	1	1	
510870014	3	2	.	.	.	02/17/00	.	.	.	.	.	.	.	.	.	.
510870015	1	2	1	.	.	01/01/99	.	01/28/99	3	90%	3	94%	3	100%	1	1	
511071005	1	2	1	.	.	01/01/99	.	02/05/99	3	90%	3	97%	3	93%	1	1	
511390004	1	2	1	.	.	10/01/99	.	11/23/99	3	88%	3	91%	3	94%	1	1	
515200006	1	2	1	.	.	01/01/99	.	01/30/99	3	77%	3	97%	3	90%	1	1	
515500012	1	2	1	.	.	01/01/99	.	01/31/99	1	77%	1	78%	1	96%	1	1	
516500004	1	2	1	.	.	01/01/99	.	01/30/99	3	90%	3	72%	3	97%	.	1	
516500004	3	2	.	.	.	04/12/00	.	.	.	.	.	.	.	.	.	.
516800014	1	2	1	.	.	01/01/99	.	01/28/99	3	90%	3	94%	3	90%	1	1	
517000013	1	2	1	.	.	01/01/99	.	02/08/99	3	93%	3	87%	3	97%	1	1	
517100024	1	2	1	.	.	01/01/99	.	01/30/99	3	97%	3	90%	3	80%	1	1	
517600020	1	2	1	.	.	01/01/99	.	01/27/99	1	99%	1	99%	1	98%	1	1	
517600020	5	T	.	1	.	12/01/00	.	.	.	.	.	.	.	.	.	.
517700014	1	2	1	.	.	01/01/99	.	02/02/99	3	97%	3	100%	3	100%	1	1	
517750010	1	2	1	.	.	01/01/99	.	01/30/99	3	90%	3	100%	3	97%	1	1	
518100008	1	2	1	.	.	01/01/99	.	02/02/99	3	100%	3	94%	3	97%	1	1	
WASHINGTON																	
530010003	1	3	1	.	.	10/21/00	.	10/21/00	6	93%	6	88%	.	.	.	.
530050002	1	2	1	.	.	12/16/98	.	02/28/99	3	88%	3	78%	.	.	.	.
530050002	3	3	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
530090009	1	3	1	.	.	10/03/99	03/29/01	10/03/99	6	100%	.	.	.	.	.	.
530110013	1	2	1	.	.	11/19/98	.	01/09/99	3	97%	3	97%	.	.	.	.
530110013	3	3	.	.	1	08/14/00	.	.	.	.	.	.	.	.	.	.
530110020	1	3	1	.	.	04/07/01	.	04/07/01	.	.	6	88%	.	.	.	.
530150015	1	3	1	.	.	04/01/01	.	04/01/01	.	.	6	94%	.	.	.	.
530310003	1	3	1	.	.	01/13/00	03/27/01	01/13/00	6	100%	.	.	.	.	.	.
530330017	1	2	1	.	.	12/28/98	.	01/03/99	3	100%	3	94%	.	.	.	.
530330017	3	3	.	.	1	03/07/00	.	.	.	.	.	.	.	.	.	.
530330021	1	2	1	.	.	12/23/98	.	01/01/99	1	96%	1	99%	.	.	.	.
530330024	1	2	1	.	.	03/10/99	.	03/10/99	3	91%	3	94%	.	.	.	.

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

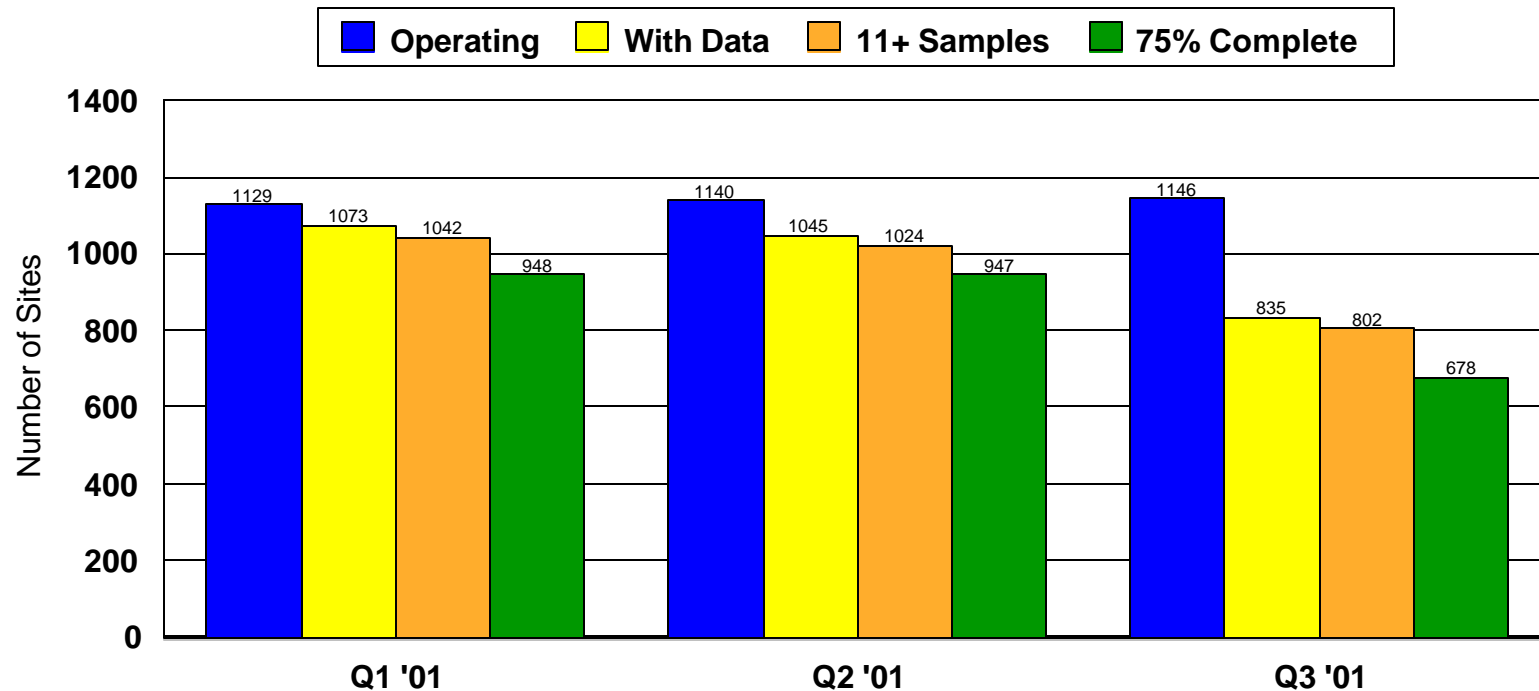
STATE / SITE	POC	MT	Data in AIRS?					2001 Information									
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples		
			FRM	FRM	Sampling	Sampling	1st FRM										
530330024	3	3	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
530330027	1	2	1	.	.	08/04/99	.	08/04/99	3	87%	3	90%	.	.	.	.
530330032	5	T	.	1	.	04/30/00	.	.	.	.	.	.	.	.	.	.
530330033	1	3	1	.	.	02/09/00	02/07/01	02/09/00	3	40%	.	.	.	.	.	.
530330033	3	3	.	.	1	02/07/00	02/07/01	.	.	.	.	.	.	.	.	.
530330037	1	2	1	.	.	11/02/00	.	11/02/00	3	100%	3	100%	.	.	.	.
530330057	1	2	1	.	.	10/17/98	.	01/01/99	1	97%	1	93%	.	.	.	.
530330057	3	3	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
530330080	1	2	1	.	.	11/01/98	.	01/03/99	1	99%	1	91%	.	.	.	.
530330080	5	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.
530330080	6	T	.	1	.	02/09/00	.	.	.	.	.	.	.	.	.	.
530332004	1	2	1	.	.	10/28/98	.	01/03/99	3	50%	3	100%	.	.	.	.
530332004	3	3	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
530410006	1	3	1	.	.	01/07/00	.	01/07/00	6	93%	.	.	.	.	.	.
530450004	1	3	1	.	.	05/24/01	.	05/24/01	.	.	6	50%	.	.	.	.
530530029	1	2	1	.	.	10/03/99	.	10/03/99	1	96%	1	95%	.	.	.	.
530530029	3	3	.	.	1	11/02/00	.	.	.	.	.	.	.	.	.	.
530530031	1	2	1	.	.	10/28/98	.	01/01/99	1	94%	1	100%	.	.	.	.
530530031	3	3	.	.	1	08/25/00	.	.	.	.	.	.	.	.	.	.
530531018	1	2	1	.	.	10/28/98	.	01/01/99	3	97%	3	100%	.	.	.	.
530570014	1	3	1	.	.	12/03/99	.	12/14/99	6	94%	6	100%	.	.	.	.
530610005	1	2	1	.	.	10/03/99	.	10/03/99	3	97%	3	97%	.	.	.	.
530610005	3	3	.	.	1	07/03/00	.	.	.	.	.	.	.	.	.	.
530611007	1	2	1	.	.	10/28/98	.	01/03/99	3	97%	3	94%	.	.	.	.
530611007	3	3	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
530630016	1	2	1	.	.	12/19/98	.	01/01/99	1	96%	1	98%	.	.	.	.
530630016	3	3	.	.	1	01/01/00	.	.	.	.	.	.	.	.	.	.
530630047	1	2	1	.	.	12/04/98	.	01/03/99	3	100%	3	82%	.	.	.	.
530630047	3	3	.	.	1	01/01/01	.	.	.	.	.	.	.	.	.	.
530639000	1	3	1	.	.	11/07/98	.	01/06/99	3	67%	3	76%	.	.	.	.
530650004	1	3	1	.	.	04/01/01	.	04/01/01	.	.	6	100%	.	.	.	.
530650009	1	3	1	.	.	04/25/01	.	04/25/01	.	.	6	69%	.	.	.	.
530670013	1	2	1	.	.	10/31/98	.	01/03/99	3	93%	3	97%	.	.	.	.
530670013	3	3	.	.	1	08/29/00	.	.	.	.	.	.	.	.	.	.
530710005	1	3	1	.	.	01/13/01	.	04/01/01	.	.	6	88%	.	.	.	.
530730015	1	2	1	.	.	02/05/99	.	02/05/99	3	100%	3	94%	.	.	.	.
530750003	1	3	1	.	.	01/19/00	.	01/19/00	6	93%	6	100%	.	.	.	.
530750004	1	3	1	.	.	01/07/00	01/31/01	01/07/00	6	40%	.	.	.	.	.	.
530770009	1	2	1	.	.	05/06/00	.	05/06/00	3	100%	3	100%	.	.	.	.
WEST VIRGINIA																	
540030003	1	2	1	.	.	02/14/99	.	02/14/99	3	93%	3	97%	3	97%	1	1	
540090005	1	2	1	.	.	01/03/99	.	01/03/99	3	97%	3	100%	3	80%	1	1	
540110006	1	2	1	.	.	01/03/99	.	01/03/99	3	87%	3	100%	3	90%	1	1	
540290011	1	2	1	.	.	01/03/99	.	01/03/99	3	87%	3	97%	3	90%	1	1	
540290011	2	2	1	.	.	01/03/99	.	01/03/99	3	93%	3	74%	3	93%	.	1	
540291004	1	2	1	.	.	01/03/99	.	01/03/99	3	97%	3	97%	3	90%	1	1	
540330003	1	3	1	.	.	01/03/99	.	01/03/99	3	97%	3	100%	3	100%	1	1	
540390010	1	2	1	.	.	05/12/00	.	05/12/00	3	97%	3	94%	3	100%	1	1	
540391005	1	2	1	.	.	01/03/99	.	01/03/99	3	80%	3	94%	3	100%	1	1	
540391005	2	2	1	.	.	01/03/99	.	01/03/99	3	90%	3	100%	3	100%	1	1	

2001 PM2.5 (88101) Data Completeness (as of 1/2/02)

STATE / SITE	POC	MT	Data in AIRS?						2001 Information							
			Non-FRM		Date	Date	Date of	Q1 Freq	Q1%	Q2 Freq	Q2%	Q3 Freq	Q3%	All 3 Q 75% complete	All 3 Q w/ 11 + samples	
			FRM	FRM	Sampling	Sampling	1st FRM									
540490006	1	3	1	.	.	01/01/00	.	01/01/00	3	87%	3	87%	3	87%	1	1
540511002	1	2	1	.	.	01/03/99	.	01/03/99	3	97%	3	100%	3	93%	1	1
540550002	1	3	1	.	.	01/01/00	.	01/01/00	3	90%	3	97%	3	100%	1	1
540610003	1	2	1	.	.	01/03/99	.	01/03/99	3	97%	3	100%	3	100%	1	1
540690008	1	2	1	.	.	01/03/99	.	01/03/99	3	97%	3	100%	3	90%	1	1
540810002	1	3	1	.	.	01/03/99	.	01/03/99	3	100%	3	97%	3	100%	1	1
540890001	1	3	1	.	.	01/03/99	.	01/03/99	3	83%	3	97%	3	97%	1	1
541071002	1	2	1	.	.	01/03/99	.	01/03/99	3	93%	3	97%	3	97%	1	1
WISCONSIN																
550090005	1	2	1	.	.	01/01/99	.	01/21/99	3	100%	3	100%	3	63%	.	1
550090026	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	84%	3	63%	.	1
550090028	1	2	1	.	.	02/12/01	.	03/02/01	3	23%	3	90%	3	63%	.	.
550250025	1	2	1	.	.	01/03/99	.	01/03/99	3	93%	3	100%	3	67%	.	1
550250047	1	3	1	.	.	01/03/99	.	01/16/99	3	100%	3	97%	3	55%	.	1
550270007	1	3	1	.	.	01/06/99	.	01/06/99	3	100%	3	100%	3	67%	.	1
550290004	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	100%	3	67%	.	1
550310025	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	100%	3	67%	.	1
550430009	1	3	1	.	.	01/06/99	.	01/06/99	3	84%	3	84%	3	53%	.	1
550550008	1	3	1	.	.	01/01/99	.	01/03/99	3	97%	3	100%	3	67%	.	1
550590019	3	2	1	.	.	12/25/98	.	01/03/99	3	97%	3	91%	3	67%	.	1
550710007	1	2	1	.	.	01/01/99	.	01/03/99	3	100%	3	87%	3	67%	.	1
550790010	2	2	1	.	.	01/01/99	.	01/05/99	1	98%	1	97%	1	67%	.	1
550790026	1	2	1	.	.	01/01/99	.	01/01/99	1	82%	1	82%	1	61%	.	1
550790026	5	T	.	1	.	12/13/00	.	.	.	.	.	.	.	.	.	.
550790043	1	2	1	.	.	01/12/99	.	01/21/99	3	87%	3	75%	3	63%	.	1
550790050	1	2	1	.	.	03/13/99	.	03/13/99	3	97%	3	97%	3	67%	.	1
550790051	1	2	1	.	.	02/05/99	.	02/05/99	3	93%	3	87%	3	67%	.	1
550790059	2	2	1	.	.	12/25/98	.	01/03/99	3	90%	3	94%	3	67%	.	1
550790099	1	2	1	.	.	02/05/99	.	02/05/99	3	97%	3	100%	3	67%	.	1
550870009	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	87%	3	60%	.	1
550890008	1	2	1	.	.	03/19/99	.	03/25/99	3	97%	3	81%	3	65%	.	1
551050002	1	2	1	.	.	01/03/99	09/30/01	01/03/99	3	100%	3	91%	3	67%	.	1
551050024	1	2	.	.	.	09/24/01	.	.	.	.	.	.	.	.	.	.
551091002	1	3	1	.	.	01/01/99	.	01/09/99	6	93%	6	94%	6	47%	.	.
551250001	1	3	1	.	.	01/01/99	.	01/06/99	6	100%	6	100%	6	67%	.	.
551330027	2	2	1	.	.	01/01/99	.	01/03/99	1	77%	1	100%	1	67%	.	1
551330034	1	2	1	.	.	01/21/99	.	01/21/99	3	100%	3	100%	3	67%	.	1
551390011	1	2	1	.	.	01/01/99	.	01/03/99	3	97%	3	87%	3	67%	.	1
551410016	1	2	1	.	.	01/03/99	.	01/03/99	3	77%	3	97%	3	50%	.	1
WYOMING																
560131004	1	2	1	.	.	01/01/00	.	01/01/00	3	97%	3	100%	3	100%	1	1
560210001	1	2	1	.	.	10/15/98	.	01/03/99	3	90%	3	74%	3	90%	.	1
560330001	1	2	1	.	.	10/01/98	.	01/03/99	3	100%	3	97%	3	97%	1	1
560330002	1	2	1	.	.	10/01/98	.	01/03/99	3	93%	3	100%	3	97%	1	1
560390006	1	2	1	.	.	06/13/01	.	07/03/01	.	.	.	.	3	100%	.	.

Attachment IB. Raw Data Completeness Plots

Completeness - PM_{2.5} FRM Concentrations U.S. Data Capture by Quarter, 2001



[1,112 sites operated in all 3 quarters.]

- 578 sites (52% of 1,112) have 3 complete quarters ($\geq 75\%$).
- 759 sites (68% of 1,112) have 11+ samples in all 3 quarters

[Based on AIRS data entered through 12/20/01 for All Types of PM_{2.5} Monitors]

Attachment IIA. Table of Completeness of Precision Data

2001 PM2.5 Data Completeness, Precision (as of AIRS 1/2/02)

STATE	SITE	POC	1st Quarter		2nd Quarter		3rd Quarter		Number of Q w/ P data	Q1,Q2 & Q3 Complete	
			# Precision	Percent	# Precision	Percent	# Precision	Percent			
U.S.	# SLAMS operated Q1, Q2, & Q3 2001=943; # where Prec. required (25%)=236; # w/ Prec. Data =259; # w/ 3 Comp. Q Prec. Data =101										
ALABAMA	# SLAMS operated Q1, Q2, & Q3 2001= 16; # where Prec. required (25%)= 4; # w/ Prec. Data = 6; # w/ 3 Comp. Q Prec. Data = 3										
	010730023		1	11	73%	10	67%	14	93%	3	.
	010732003		1	11	73%	10	67%	11	73%	3	.
	010735002		1	4	27%	4	27%	4	27%	3	.
	010890014		1	14	93%	16	100%	15	100%	3	1
	010970002		1	12	80%	15	100%	14	93%	3	1
	011010007		1	11	73%	15	100%	15	100%	3	1
ALASKA	# SLAMS operated Q1, Q2, & Q3 2001= 7; # where Prec. required (25%)= 2; # w/ Prec. Data = 3; # w/ 3 Comp. Q Prec. Data = 0										
	020200018		1	14	93%	12	80%	0	0%	2	.
	020900010		2	15	100%	15	100%	0	0%	2	.
	021100004		2	15	100%	16	100%	0	0%	2	.
ARIZONA	# SLAMS operated Q1, Q2, & Q3 2001= 5; # where Prec. required (25%)= 1; # w/ Prec. Data = 1; # w/ 3 Comp. Q Prec. Data = 0										
	040191028		1	7	47%	7	47%	0	0%	2	.
ARKANSAS	# SLAMS operated Q1, Q2, & Q3 2001= 19; # where Prec. required (25%)= 5; # w/ Prec. Data = 7; # w/ 3 Comp. Q Prec. Data = 3										
	050010010		1	8	53%	11	73%	3	20%	3	.
	050010011		1	0	0%	0	0%	9	60%	1	.
	050310001		1	12	80%	12	80%	7	47%	3	.
	050450002		1	14	93%	16	100%	15	100%	3	1
	051190007		1	13	87%	15	100%	15	100%	3	1
	051191008		1	14	93%	16	100%	14	93%	3	1
	051310008		1	7	47%	12	80%	13	87%	3	.
CALIFORNIA	# SLAMS operated Q1, Q2, & Q3 2001= 82; # where Prec. required (25%)=21; # w/ Prec. Data = 17; # w/ 3 Comp. Q Prec. Data = 9										
	060170011		1	15	100%	15	100%	15	100%	3	1
	060190008		1	12	80%	15	100%	13	87%	3	1
	060250005		1	13	87%	12	80%	0	0%	2	.
	060271003		1	12	80%	15	100%	15	100%	3	1
	060290014		1	11	73%	13	87%	14	93%	3	1
	060370002		1	13	87%	21	100%	23	100%	3	1
	060371103		1	14	93%	16	100%	11	73%	3	1
	060571001		1	8	53%	14	93%	15	100%	3	.
	060652002		1	13	87%	14	93%	14	93%	3	1
	060658001		1	14	93%	16	100%	10	67%	3	.
	060670006		1	3	20%	13	87%	13	87%	3	.
	060710306		1	12	80%	14	93%	0	0%	2	.
	060712002		1	13	87%	10	67%	13	87%	3	.
	060730006		1	12	80%	13	87%	0	0%	2	.
	060798001		1	14	93%	14	93%	14	93%	3	1
	061010003		1	15	100%	17	100%	15	100%	3	1
	061110007		1	12	80%	8	53%	8	53%	3	.
COLORADO	# SLAMS operated Q1, Q2, & Q3 2001= 13; # where Prec. required (25%)= 3; # w/ Prec. Data = 5; # w/ 3 Comp. Q Prec. Data = 2										
	080010001		1	12	80%	3	20%	.	.	2	.
	080010006		1	0	0%	16	100%	12	80%	3	.
	080310002		1	0	0%	0	0%	1	7%	2	.
	080410011		1	14	93%	11	73%	15	100%	3	1
	080770003		1	12	80%	14	93%	15	100%	3	1
CONNECTICUT	# SLAMS operated Q1, Q2, & Q3 2001= 10; # where Prec. required (25%)= 3; # w/ Prec. Data = 4; # w/ 3 Comp. Q Prec. Data = 0										
	090010010		1	12	80%	16	100%	0	0%	2	.
	090090018		1	16	100%	15	100%	0	0%	2	.
	090091123		1	15	100%	16	100%	0	0%	2	.
	090092123		1	15	100%	12	80%	0	0%	2	.
DELAWARE	# SLAMS operated Q1, Q2, & Q3 2001= 7; # where Prec. required (25%)= 2; # w/ Prec. Data = 2; # w/ 3 Comp. Q Prec. Data = 2										
	100031012		1	27	100%	13	87%	26	100%	3	1
	100032004		1	17	100%	14	93%	14	93%	3	1
DISTRICT OF COLUMBIA	# SLAMS operated Q1, Q2, & Q3 2001= 3; # where Prec. required (25%)= 1; # w/ Prec. Data = 2; # w/ 3 Comp. Q Prec. Data = 0										
	110010041		1	11	73%	10	67%	14	93%	3	.
	110010043		1	7	47%	4	27%	15	100%	3	.
FLORIDA	# SLAMS operated Q1, Q2, & Q3 2001= 29; # where Prec. required (25%)= 7; # w/ Prec. Data = 15; # w/ 3 Comp. Q Prec. Data = 11										
	120010023		1	15	100%	15	100%	14	93%	3	1
	12011002		1	14	93%	16	100%	12	80%	3	1
	120170005		1	30	100%	28	100%	28	100%	3	1
	120310099		1	13	87%	12	80%	14	93%	3	1
	120330004		1	0	0%	15	100%	13	87%	2	.
	120570030		1	12	80%	16	100%	13	87%	3	1
	120710005		1	28	100%	29	100%	17	100%	3	1
	120730012		1	0	0%	11	73%	0	0%	1	.

2001 PM2.5 Data Completeness, Precision (as of AIRS 1/2/02)

STATE	SITE	POC	1st Quarter		2nd Quarter		3rd Quarter		Number of Q w/ P data	Q1,Q2 & Q3 Complete	
			# Precision	Percent	# Precision	Percent	# Precision	Percent			
GEORGIA	120952002	1	15	100%	15	100%	15	100%	3	1	
	120992003	1	9	60%	4	27%	2	13%	3	.	
	121030018	1	13	87%	14	93%	12	80%	3	1	
	121056006	1	12	80%	10	67%	14	93%	3	.	
	121111002	1	14	93%	16	100%	13	87%	3	1	
	121150013	1	13	87%	14	93%	14	93%	3	1	
	121171002	1	15	100%	15	100%	15	100%	3	1	
	# SLAMS operated Q1, Q2, & Q3 2001= 23; # where Prec. required (25%)= 6; # w/ Prec. Data = 6; # w/ 3 Comp. Q Prec. Data = 0										
	130210007	1	8	53%	6	40%	4	27%	3	.	
	130510017	1	3	20%	8	53%	3	20%	3	.	
130892001	1	8	53%	5	33%	8	53%	3	.		
131210032	1	4	27%	6	40%	10	67%	3	.		
132150001	1	6	40%	8	53%	8	53%	3	.		
132450005	1	5	33%	7	47%	6	40%	3	.		
HAWAII	# SLAMS operated Q1, Q2, & Q3 2001= 5; # where Prec. required (25%)= 1; # w/ Prec. Data = 2; # w/ 3 Comp. Q Prec. Data = 2										
150031001	1	12	80%	15	100%	14	93%	3	1		
150032004	1	12	80%	14	93%	14	93%	3	1		
IDAHO	# SLAMS operated Q1, Q2, & Q3 2001= 8; # where Prec. required (25%)= 2; # w/ Prec. Data = 3; # w/ 3 Comp. Q Prec. Data = 0										
160050015	1	9	60%	14	93%	0	0%	2	.		
160270004	1	15	100%	16	100%	0	0%	2	.		
160550006	2	15	100%	16	100%	0	0%	2	.		
ILLINOIS	# SLAMS operated Q1, Q2, & Q3 2001= 35; # where Prec. required (25%)= 9; # w/ Prec. Data = 9; # w/ 3 Comp. Q Prec. Data = 2										
170310050	1	1	7%	15	100%	12	80%	3	.		
170310052	1	10	67%	9	60%	9	60%	3	.		
170313301	1	11	73%	12	80%	9	60%	3	.		
170314201	1	7	47%	7	47%	9	60%	3	.		
171150013	1	11	73%	13	87%	14	93%	3	1		
171191007	1	6	40%	11	73%	10	67%	3	.		
171193007	1	10	67%	16	100%	10	67%	3	.		
171430037	1	14	93%	16	100%	13	87%	3	1		
171613002	1	6	40%	11	73%	11	73%	3	.		
INDIANA	# SLAMS operated Q1, Q2, & Q3 2001= 40; # where Prec. required (25%)= 10; # w/ Prec. Data = 10; # w/ 3 Comp. Q Prec. Data = 2										
180030004	1	12	80%	9	60%	0	0%	2	.		
180431004	1	7	47%	15	100%	0	0%	2	.		
180891016	1	8	53%	14	93%	0	0%	2	.		
180950009	1	9	60%	7	47%	0	0%	2	.		
180970081	1	15	100%	16	100%	13	87%	4	1		
180970083	1	15	100%	16	100%	21	100%	4	1		
181411008	1	12	80%	16	100%	0	0%	2	.		
181570007	1	13	87%	14	93%	0	0%	2	.		
181630006	1	12	80%	14	93%	0	0%	2	.		
181670023	1	13	87%	15	100%	0	0%	2	.		
IOWA	# SLAMS operated Q1, Q2, & Q3 2001= 17; # where Prec. required (25%)= 4; # w/ Prec. Data = 5; # w/ 3 Comp. Q Prec. Data = 4										
190450021	1	28	100%	28	100%	30	100%	4	1		
191130037	1	16	100%	18	100%	7	47%	3	.		
191532520	1	15	100%	18	100%	18	100%	4	1		
191550009	1	29	100%	29	100%	30	100%	4	1		
191630015	2	16	100%	21	100%	22	100%	4	1		
KANSAS	# SLAMS operated Q1, Q2, & Q3 2001= 12; # where Prec. required (25%)= 3; # w/ Prec. Data = 4; # w/ 3 Comp. Q Prec. Data = 3										
200910007	1	9	60%	12	80%	11	73%	3	.		
201070002	1	15	100%	16	100%	13	87%	3	1		
201730010	1	14	93%	14	93%	15	100%	3	1		
202090021	1	13	87%	16	100%	14	93%	3	1		
KENTUCKY	# SLAMS operated Q1, Q2, & Q3 2001= 19; # where Prec. required (25%)= 5; # w/ Prec. Data = 6; # w/ 3 Comp. Q Prec. Data = 4										
210190017	1	14	93%	15	100%	12	80%	3	1		
210590014	1	11	73%	13	87%	10	67%	3	.		
210670012	1	12	80%	15	100%	15	100%	3	1		
211010006	1	0	0%	0	0%	2	13%	1	.		
211950002	1	13	87%	11	73%	11	73%	3	1		
212270007	1	12	80%	13	87%	14	93%	3	1		
LOUISIANA	# SLAMS operated Q1, Q2, & Q3 2001= 21; # where Prec. required (25%)= 5; # w/ Prec. Data = 4; # w/ 3 Comp. Q Prec. Data = 0										
220171002	1	9	60%	5	33%	0	0%	2	.		
220330009	1	9	60%	5	33%	0	0%	2	.		
220550005	1	11	73%	6	40%	0	0%	2	.		
220710012	1	9	60%	3	20%	0	0%	2	.		
MAINE	# SLAMS operated Q1, Q2, & Q3 2001= 5; # where Prec. required (25%)= 1; # w/ Prec. Data = 1; # w/ 3 Comp. Q Prec. Data = 1										

2001 PM2.5 Data Completeness, Precision (as of AIRS 1/2/02)

STATE	SITE	POC	1st Quarter		2nd Quarter		3rd Quarter		Number of Q w/ P data	Q1,Q2 & Q3 Complete
			# Precision	Percent	# Precision	Percent	# Precision	Percent		
MARYLAND	230050027	1	12	80%	13	87%	12	80%	3	1
	# SLAMS operated Q1, Q2, & Q3 2001= 18; # where Prec. required (25%)= 5; # w/ Prec. Data = 3; # w/ 3 Comp. Q Prec. Data = 3									
	240032002	1	25	100%	22	100%	14	93%	3	1
	240330001	1	23	100%	28	100%	15	100%	3	1
MASSACHUSETTS	245100035	1	31	100%	35	100%	16	100%	3	1
	# SLAMS operated Q1, Q2, & Q3 2001= 20; # where Prec. required (25%)= 5; # w/ Prec. Data = 3; # w/ 3 Comp. Q Prec. Data = 0									
	250130016	1	17	100%	0	0%	0	0%	1	.
	250230004	1	29	100%	0	0%	0	0%	1	.
MICHIGAN	250270020	1	16	100%	0	0%	0	0%	1	.
	# SLAMS operated Q1, Q2, & Q3 2001= 26; # where Prec. required (25%)= 7; # w/ Prec. Data = 8; # w/ 3 Comp. Q Prec. Data = 0									
	260330901	2	7	47%	15	100%	0	0%	2	.
	260650012	1	14	93%	14	93%	0	0%	2	.
MINNESOTA	260770008	1	13	87%	15	100%	0	0%	2	.
	260810020	1	13	87%	14	93%	0	0%	2	.
	261450018	1	1	7%	0	0%	0	0%	1	.
	261470005	2	11	73%	14	93%	0	0%	2	.
	261610008	1	13	87%	16	100%	0	0%	2	.
	261630001	1	13	87%	11	73%	0	0%	2	.
	# SLAMS operated Q1, Q2, & Q3 2001= 16; # where Prec. required (25%)= 4; # w/ Prec. Data = 4; # w/ 3 Comp. Q Prec. Data = 2									
	271230866	1	12	80%	14	93%	15	100%	3	1
MISSISSIPPI	271230868	1	0	0%	9	60%	15	100%	2	.
	271230871	1	0	0%	10	67%	14	93%	2	.
	271377550	1	14	93%	14	93%	11	73%	3	1
	# SLAMS operated Q1, Q2, & Q3 2001= 16; # where Prec. required (25%)= 4; # w/ Prec. Data = 4; # w/ 3 Comp. Q Prec. Data = 0									
MISSOURI	280330002	1	13	87%	15	100%	0	0%	2	.
	280350004	1	14	93%	14	93%	0	0%	2	.
	280670002	1	14	93%	15	100%	0	0%	2	.
	281210001	1	13	87%	14	93%	0	0%	2	.
	# SLAMS operated Q1, Q2, & Q3 2001= 17; # where Prec. required (25%)= 4; # w/ Prec. Data = 7; # w/ 3 Comp. Q Prec. Data = 3									
MONTANA	290210010	1	30	100%	28	100%	0	0%	2	.
	290470026	1	12	80%	16	100%	0	0%	2	.
	290770032	1	15	100%	15	100%	0	0%	2	.
	290952002	1	15	100%	16	100%	15	100%	3	1
	291831002	1	28	100%	30	100%	0	0%	2	.
	291892003	1	14	93%	15	100%	15	100%	3	1
	295100085	1	81	100%	89	100%	83	100%	3	1
	# SLAMS operated Q1, Q2, & Q3 2001= 6; # where Prec. required (25%)= 2; # w/ Prec. Data = 2; # w/ 3 Comp. Q Prec. Data = 0									
NEBRASKA	300530018	1	15	100%	16	100%	0	0%	2	.
	300630024	1	15	100%	14	93%	0	0%	2	.
	# SLAMS operated Q1, Q2, & Q3 2001= 13; # where Prec. required (25%)= 3; # w/ Prec. Data = 4; # w/ 3 Comp. Q Prec. Data = 0									
	310550019	1	9	60%	6	40%	13	87%	3	.
NEVADA	310550052	1	8	53%	12	80%	14	93%	3	.
	311090022	1	12	80%	10	67%	10	67%	3	.
	311530007	1	6	40%	8	53%	11	73%	3	.
	# SLAMS operated Q1, Q2, & Q3 2001= 8; # where Prec. required (25%)= 2; # w/ Prec. Data = 2; # w/ 3 Comp. Q Prec. Data = 2									
NEW HAMPSHIRE	320030560	1	15	100%	13	87%	13	87%	3	1
	320310016	1	15	100%	22	100%	22	100%	3	1
	# SLAMS operated Q1, Q2, & Q3 2001= 7; # where Prec. required (25%)= 2; # w/ Prec. Data = 3; # w/ 3 Comp. Q Prec. Data = 0									
	330012004	1	.	.	12	80%	13	87%	2	.
NEW JERSEY	330070014	1	9	60%	10	67%	11	73%	3	.
	330110020	1	.	.	12	80%	13	87%	2	.
	# SLAMS operated Q1, Q2, & Q3 2001= 19; # where Prec. required (25%)= 5; # w/ Prec. Data = 3; # w/ 3 Comp. Q Prec. Data = 0									
	340070003	1	1	7%	11	73%	0	0%	2	.
NEW MEXICO	340171003	1	0	0%	10	67%	0	0%	1	.
	340390004	1	2	13%	13	87%	0	0%	2	.
	# SLAMS operated Q1, Q2, & Q3 2001= 3; # where Prec. required (25%)= 1; # w/ Prec. Data = 2; # w/ 3 Comp. Q Prec. Data = 1									
	350010023	1	77	100%	77	100%	84	100%	3	1
NEW YORK	350010024	1	3	20%	3	20%	3	20%	3	.
	# SLAMS operated Q1, Q2, & Q3 2001= 49; # where Prec. required (25%)= 12; # w/ Prec. Data = 8; # w/ 3 Comp. Q Prec. Data = 7									
	360010005	1	21	100%	28	100%	26	100%	3	1
	360050110	1	28	100%	29	100%	8	53%	3	.
	360556001	1	23	100%	30	100%	23	100%	3	1
	360610056	1	27	100%	29	100%	18	100%	3	1
	360610062	1	27	100%	29	100%	21	100%	3	1
	360632008	1	28	100%	26	100%	23	100%	3	1
360671015	1	28	100%	20	100%	20	100%	3	1	

2001 PM2.5 Data Completeness, Precision (as of AIRS 1/2/02)

STATE	SITE	POC	1st Quarter		2nd Quarter		3rd Quarter		Number of Q w/ P data	Q1,Q2 & Q3 Complete	
			# Precision	Percent	# Precision	Percent	# Precision	Percent			
NORTH CAROLINA	360810094	1	29	100%	20	100%	21	100%	3	1	
	# SLAMS operated Q1, Q2, & Q3 2001= 27; # where Prec. required (25%)= 7; # w/ Prec. Data = 10; # w/ 3 Comp. Q Prec. Data = 6										
	370210034	1	10	67%	10	67%	0	0%	2	.	
	370510009	1	11	73%	16	100%	11	73%	3	1	
	370670024	1	15	100%	13	87%	13	87%	3	1	
	370710016	1	14	93%	16	100%	14	93%	3	1	
	370810009	1	16	100%	16	100%	0	0%	2	.	
	371190042	1	12	80%	13	87%	15	100%	3	1	
	371210001	1	15	100%	15	100%	15	100%	3	1	
	371290009	1	13	87%	0	0%	15	100%	2	.	
	371470005	1	10	67%	10	67%	14	93%	3	.	
371830014	1	14	93%	16	100%	15	100%	3	1		
NORTH DAKOTA	# SLAMS operated Q1, Q2, & Q3 2001= 7; # where Prec. required (25%)= 2; # w/ Prec. Data = 2; # w/ 3 Comp. Q Prec. Data = 2										
	380171004	1	22	100%	29	100%	30	100%	3	1	
	380570004	1	15	100%	16	100%	15	100%	3	1	
OHIO	# SLAMS operated Q1, Q2, & Q3 2001= 44; # where Prec. required (25%)= 11; # w/ Prec. Data = 14; # w/ 3 Comp. Q Prec. Data = 0										
	390170003	1	15	100%	16	100%	0	0%	2	.	
	390350038	1	11	73%	13	87%	0	0%	2	.	
	390350060	1	14	93%	12	80%	0	0%	2	.	
	390490025	1	10	67%	15	100%	0	0%	2	.	
	390610014	1	16	100%	16	100%	0	0%	2	.	
	390610041	1	15	100%	16	100%	0	0%	2	.	
	390811001	1	9	60%	0	0%	0	0%	1	.	
	390851001	1	0	0%	14	93%	0	0%	1	.	
	390950024	1	0	0%	12	80%	0	0%	1	.	
	390990005	1	13	87%	15	100%	0	0%	2	.	
	391130014	1	9	60%	16	100%	0	0%	2	.	
	391450013	1	9	60%	13	87%	0	0%	2	.	
	391510017	1	0	0%	14	93%	0	0%	1	.	
	391530017	1	15	100%	15	100%	0	0%	2	.	
	OKLAHOMA	# SLAMS operated Q1, Q2, & Q3 2001= 5; # where Prec. required (25%)= 1; # w/ Prec. Data = 1; # w/ 3 Comp. Q Prec. Data = 0									
401430110		1	13	87%	14	93%	0	0%	2	.	
OREGON	# SLAMS operated Q1, Q2, & Q3 2001= 23; # where Prec. required (25%)= 6; # w/ Prec. Data = 7; # w/ 3 Comp. Q Prec. Data = 6										
	410290133	1	15	100%	16	100%	13	87%	3	1	
	410330107	1	11	73%	12	80%	12	80%	3	1	
	410370001	1	15	100%	15	100%	15	100%	3	1	
	410390060	1	27	100%	0	0%	28	100%	2	.	
	410510080	1	14	93%	16	100%	14	93%	3	1	
	410650007	1	14	93%	13	87%	13	87%	3	1	
	410671003	1	15	100%	16	100%	14	93%	3	1	
	PENNSYLVANIA	# SLAMS operated Q1, Q2, & Q3 2001= 37; # where Prec. required (25%)= 9; # w/ Prec. Data = 10; # w/ 3 Comp. Q Prec. Data = 0									
420030008		1	0	0%	15	100%	0	0%	1	.	
420030064		1	0	0%	12	80%	0	0%	1	.	
420031301		1	0	0%	15	100%	0	0%	1	.	
420070014		1	11	73%	14	93%	0	0%	2	.	
420450002		1	14	93%	15	100%	0	0%	2	.	
420692006		1	7	47%	12	80%	0	0%	2	.	
420710007		1	13	87%	7	47%	0	0%	2	.	
421010004		1	8	53%	12	80%	13	87%	3	.	
421250005		1	5	33%	16	100%	0	0%	2	.	
421330008		1	11	73%	9	60%	0	0%	2	.	
PUERTO RICO	# SLAMS operated Q1, Q2, & Q3 2001= 10; # where Prec. required (25%)= 3; # w/ Prec. Data = 2; # w/ 3 Comp. Q Prec. Data = 0										
	720610005	1	11	73%	0	0%	0	0%	1	.	
	721270003	1	11	73%	0	0%	0	0%	1	.	
RHODE ISLAND	# SLAMS operated Q1, Q2, & Q3 2001= 6; # where Prec. required (25%)= 2; # w/ Prec. Data = 2; # w/ 3 Comp. Q Prec. Data = 0										
	440070022	1	7	47%	11	73%	2	13%	3	.	
440071010	1	12	80%	13	87%	9	60%	3	.		
SOUTH CAROLINA	# SLAMS operated Q1, Q2, & Q3 2001= 14; # where Prec. required (25%)= 4; # w/ Prec. Data = 4; # w/ 3 Comp. Q Prec. Data = 4										
	450190048	1	13	87%	15	100%	12	80%	4	1	
	450450009	1	13	87%	16	100%	12	80%	4	1	
	450510002	1	27	100%	26	100%	25	100%	4	1	
	450790019	1	17	100%	26	100%	27	100%	4	1	
SOUTH DAKOTA	# SLAMS operated Q1, Q2, & Q3 2001= 10; # where Prec. required (25%)= 3; # w/ Prec. Data = 0; # w/ 3 Comp. Q Prec. Data = 0										
	TENNESSEE	# SLAMS operated Q1, Q2, & Q3 2001= 17; # where Prec. required (25%)= 4; # w/ Prec. Data = 8; # w/ 3 Comp. Q Prec. Data = 5									
470370023		1	15	100%	16	100%	12	80%	3	1	
470370025	1	0	0%	0	0%	1	7%	1	.		

2001 PM2.5 Data Completeness, Precision (as of AIRS 1/2/02)

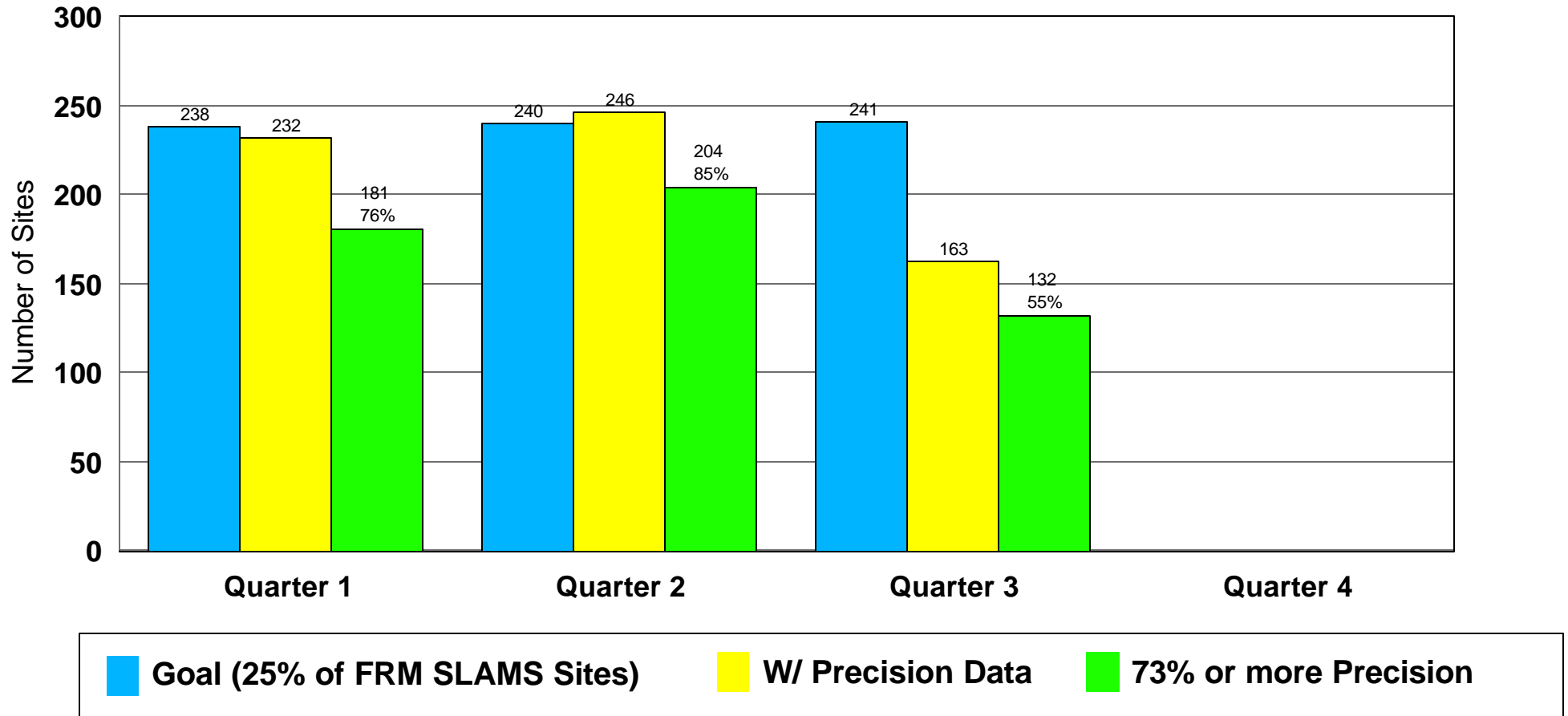
STATE	SITE	POC	1st Quarter		2nd Quarter		3rd Quarter		Number of Q w/ P data	Q1,Q2 & Q3 Complete
			# Precision	Percent	# Precision	Percent	# Precision	Percent		
	470654002	1	18	100%	29	100%	28	100%	3	1
	470931017	1	14	93%	14	93%	10	67%	3	.
	471130004	1	22	100%	18	100%	24	100%	4	1
	471570047	1	0	0%	15	100%	11	73%	2	.
	471631007	1	27	100%	18	100%	23	100%	4	1
	471650007	1	27	100%	28	100%	29	100%	4	1
TEXAS	# SLAMS operated Q1, Q2, & Q3 2001= 52; # where Prec. required (25%)= 13; # w/ Prec. Data = 12; # w/ 3 Comp. Q Prec. Data = 7									
	480290060	1	4	27%	6	40%	14	93%	3	.
	481130050	1	15	100%	15	100%	15	100%	3	1
	481130069	1	14	93%	15	100%	9	60%	3	.
	481410010	1	7	47%	16	100%	20	100%	3	.
	481410044	1	15	100%	14	93%	15	100%	3	1
	481671005	1	14	93%	10	67%	1	7%	3	.
	482011035	1	11	73%	23	100%	13	87%	3	1
	482450021	1	22	100%	20	100%	14	93%	3	1
	483550032	1	11	73%	14	93%	13	87%	3	1
	484391002	1	15	100%	16	100%	12	80%	3	1
	484393006	1	15	100%	15	100%	15	100%	3	1
	484530020	1	10	67%	7	47%	19	100%	3	.
UTAH	# SLAMS operated Q1, Q2, & Q3 2001= 15; # where Prec. required (25%)= 4; # w/ Prec. Data = 4; # w/ 3 Comp. Q Prec. Data = 0									
	490110001	1	15	100%	16	100%	0	0%	2	.
	490353007	1	15	100%	14	93%	0	0%	2	.
	490494001	1	11	73%	16	100%	0	0%	2	.
	490570007	1	13	87%	15	100%	0	0%	2	.
VERMONT	# SLAMS operated Q1, Q2, & Q3 2001= 3; # where Prec. required (25%)= 1; # w/ Prec. Data = 0; # w/ 3 Comp. Q Prec. Data = 0									
VIRGIN ISLANDS	# SLAMS operated Q1, Q2, & Q3 2001= 2; # where Prec. required (25%)= 1; # w/ Prec. Data = 0; # w/ 3 Comp. Q Prec. Data = 0									
VIRGINIA	# SLAMS operated Q1, Q2, & Q3 2001= 20; # where Prec. required (25%)= 5; # w/ Prec. Data = 3; # w/ 3 Comp. Q Prec. Data = 3									
	510130020	1	24	100%	30	100%	25	100%	3	1
	517100024	1	25	100%	26	100%	24	100%	3	1
	517600020	1	30	100%	31	100%	28	100%	3	1
WASHINGTON	# SLAMS operated Q1, Q2, & Q3 2001= 20; # where Prec. required (25%)= 5; # w/ Prec. Data = 6; # w/ 3 Comp. Q Prec. Data = 0									
	530330057	1	15	100%	15	100%	0	0%	2	.
	530530031	1	15	100%	11	73%	0	0%	2	.
	530630016	1	14	93%	14	93%	0	0%	2	.
	530670013	1	0	0%	7	47%	0	0%	1	.
	530730015	1	7	47%	11	73%	0	0%	2	.
	530770009	1	13	87%	16	100%	0	0%	2	.
WEST VIRGINIA	# SLAMS operated Q1, Q2, & Q3 2001= 11; # where Prec. required (25%)= 3; # w/ Prec. Data = 2; # w/ 3 Comp. Q Prec. Data = 2									
	540290011	1	24	100%	22	100%	26	100%	3	1
	540391005	1	22	100%	29	100%	30	100%	3	1
WISCONSIN	# SLAMS operated Q1, Q2, & Q3 2001= 22; # where Prec. required (25%)= 6; # w/ Prec. Data = 6; # w/ 3 Comp. Q Prec. Data = 0									
	550090005	1	0	0%	19	100%	0	0%	1	.
	550250025	1	0	0%	20	100%	0	0%	1	.
	550310025	1	0	0%	18	100%	0	0%	1	.
	550790026	1	0	0%	13	87%	0	0%	1	.
	550790059	2	0	0%	9	60%	0	0%	1	.
	551330027	2	0	0%	14	93%	0	0%	1	.
WYOMING	# SLAMS operated Q1, Q2, & Q3 2001= 4; # where Prec. required (25%)= 1; # w/ Prec. Data = 1; # w/ 3 Comp. Q Prec. Data = 0									
	560330002	1	0	0%	15	100%	14	93%	2	.

Attachment IIB. Precision Completeness Plots

Completeness - Precision

Data Capture by Quarter, 2001

[1/2/02 AIRS Extraction]

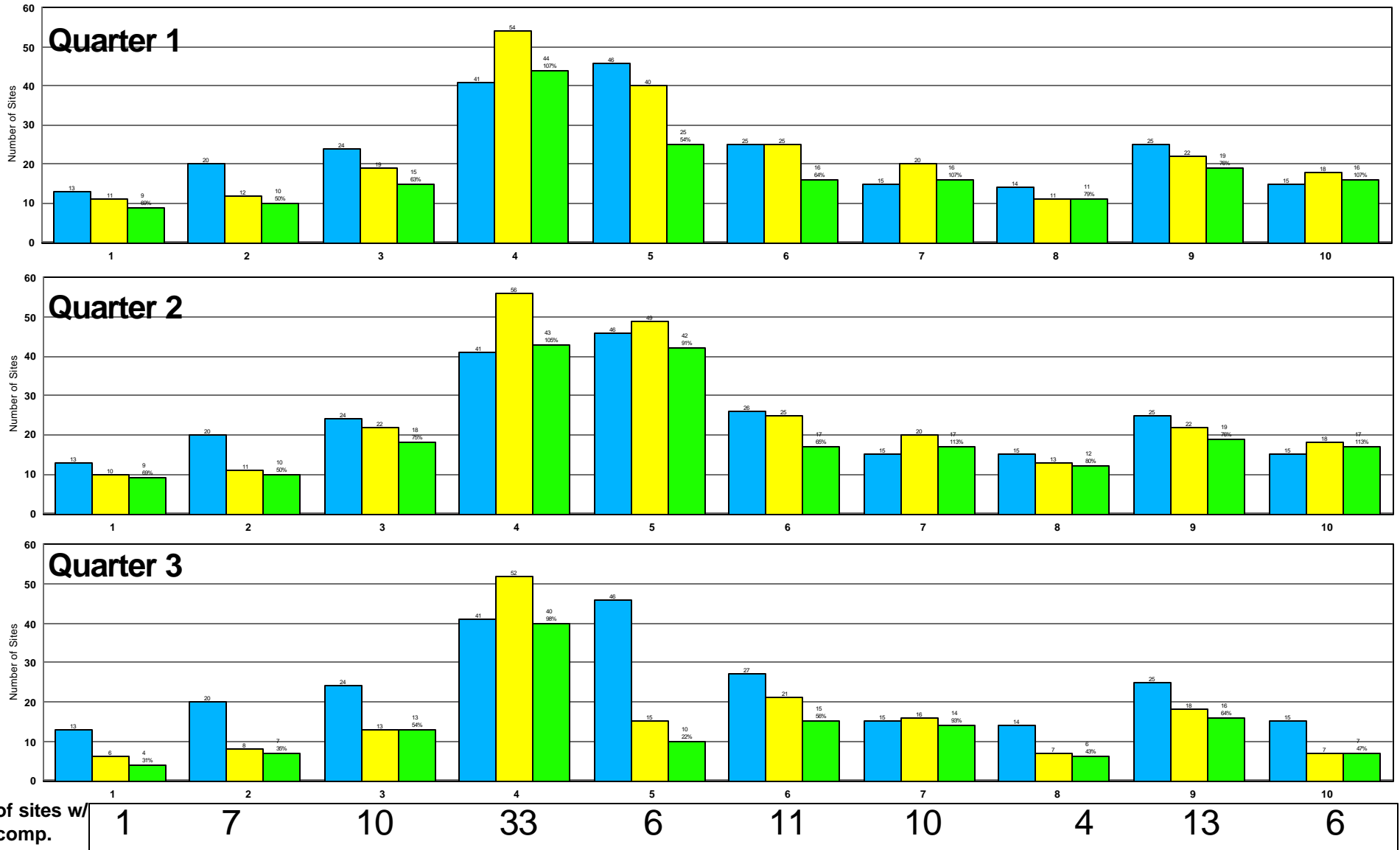


- 943 FRM SLAMS operated in both Q1, Q2, and Q3 of 2001
- Precision required at 25% of sites; completeness goal = 236 sites
- 101 sites (43% of goal) have 3 complete quarters ($\geq 73\%$).

Completeness - Precision

Data Capture by Region, 2001 Qtr1-Qtr3

[1/2/02 AIRS Extraction]

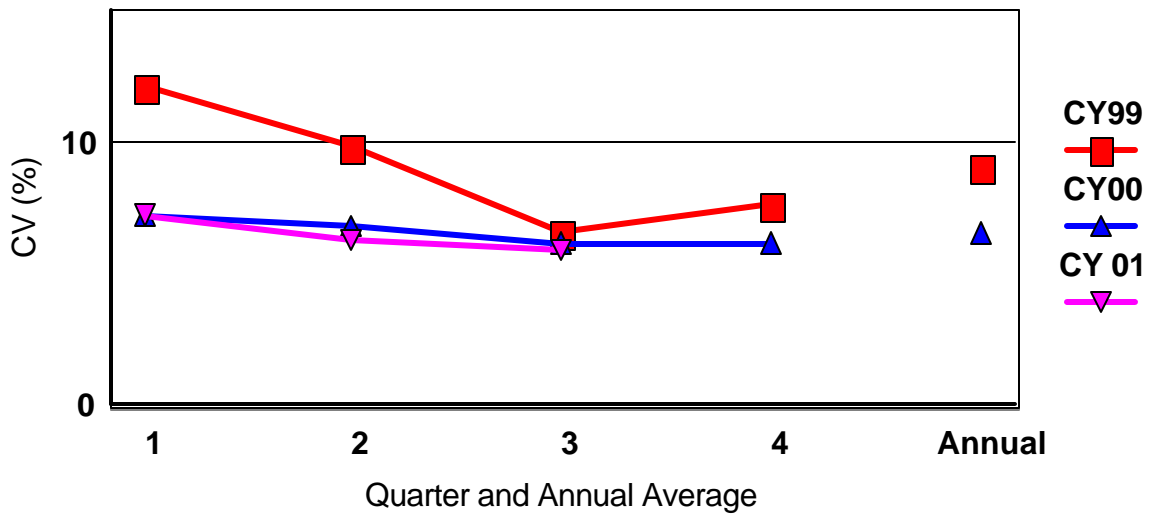


■ Goal (25% of FRM SLAMS Sites)
 ■ W/ Precision Data
 ■ 73% or more Precision

Attachment IIC. CY 2000 National Precision Estimates (Graphics)

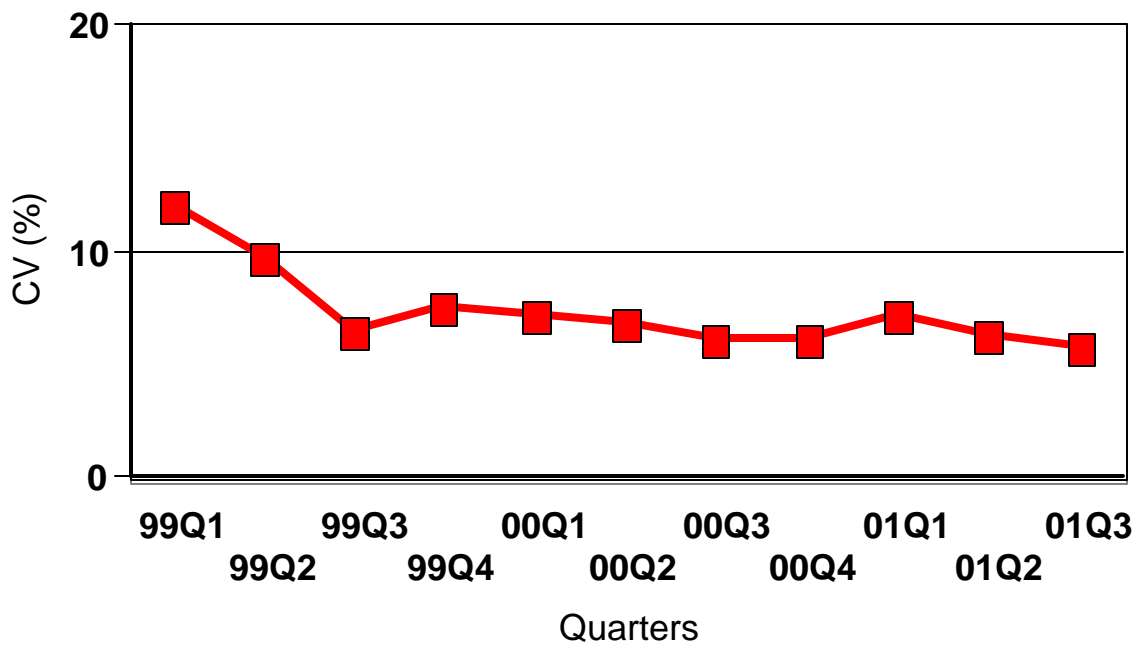
PM2.5 Precision CY 99,00 and 01

DQO < 10%



PM2.5 CY 99,00, 01 Precision Estimate

DQO < 10%



Attachment IID.

Table of 2001 Precision Estimates For:

- < National Level
- < Anomalous Data
- < Precision Estimates at Reporting Organization Level

Quarterly National Precision Estimates for CY 2001
 (based on AIRS Extraction 010202)

1

Method	Quarter / Annual	Includes All Pairs	Excludes Pairs < 6 ug/m3	Excludes Pairs w/ % Diff >50%	Excludes Pairs < 6 ug/m3 OR w/ % Diff > 50%
116	1	7. 5093	7. 6621	7. 5093	7. 6621
	2	6. 1590	6. 3501	6. 1590	6. 3501
	3	4. 4228	4. 5446	4. 4228	4. 5446
	Ann	6. 4096	6. 5915	6. 4096	6. 5915
117	1	7. 5278	5. 2119	5. 0496	4. 1936
	2	10. 1077	6. 1645	6. 1514	5. 3307
	3	4. 0050	2. 9914	4. 0050	2. 9914
	Ann	8. 0968	5. 0712	5. 3146	4. 3234
118	1	10. 0160	7. 5695	4. 7119	4. 2784
	2	10. 1176	5. 7073	5. 7676	5. 0162
	3	10. 7884	6. 0161	5. 2954	4. 6755
	4	4. 4765	3. 4186	4. 4765	3. 4186
	Ann	10. 1698	6. 4855	5. 2841	4. 6488
118 and 120	1	11. 0915	7. 3351	4. 9595	4. 5258
	2	10. 7752	5. 8344	5. 8992	5. 2209
	3	10. 0645	5. 8196	5. 4792	4. 8099
	4	4. 4765	3. 4186	4. 4765	3. 4186
	Ann	10. 6427	6. 3961	5. 4639	4. 8529
119	1	26. 5431	12. 7032	10. 0083	7. 6550
	2	23. 1091	18. 5933	11. 1853	11. 3641
	3	16. 3500	10. 6722	8. 5865	8. 6915
	Ann	21. 5686	14. 9125	10. 0389	9. 7316
120	1	14. 0029	6. 5603	5. 6869	5. 2130
	2	12. 7582	6. 2131	6. 3263	5. 8113
	3	7. 2708	5. 1894	6. 0301	5. 1894
	Ann	12. 0945	6. 1077	6. 0289	5. 4410
All Methods	1	11. 1031	7. 2925	5. 0952	4. 6210
	2	11. 1180	6. 3360	6. 0771	5. 4056
	3	9. 9715	5. 8593	5. 4918	4. 8617
	4	4. 4765	3. 4186	4. 4765	3. 4186
	Ann	10. 7684	6. 5656	5. 5884	4. 9723

Number of Pairs in National Precision Estimates for CY 2001
 (based on AIRS Extraction 010202)

2

Method	Quarter / Annual	Includes All Pairs	Excludes Pairs < 6 ug/m ³	Excludes Pairs	Excludes Pairs
				w/ % Diff >50%	< 6 ug/m ³ OR w/ % Diff > 50%
116	1	64	60	64	60
	2	65	45	65	45
	3	36	34	36	34
	Ann	165	139	165	139
117	1	255	175	252	174
	2	300	135	296	134
	3	176	114	176	114
	Ann	731	424	724	422
118	1	2430	2101	2396	2083
	2	2778	2162	2743	2154
	3	1755	1384	1738	1381
	4	147	111	147	111
	Ann	7110	5758	7024	5729
118 and 120	1	3185	2783	3137	2761
	2	3596	2857	3549	2847
	3	2302	1848	2281	1845
	4	147	111	147	111
	Ann	9230	7599	9114	7564
119	1	38	23	33	22
	2	95	58	82	52
	3	79	53	73	52
	Ann	212	134	188	126
120	1	755	682	741	678
	2	818	695	806	693
	3	547	464	543	464
	Ann	2120	1841	2090	1835
All Methods	1	3542	3041	3486	3017
	2	4056	3095	3992	3078
	3	2593	2049	2566	2045
	4	147	111	147	111
	Ann	10338	8296	10191	8251

Precision Results for CY 2001 Data
Processing of 2001 Precision and Accuracy Data
based on 1/02/02 extraction from AIRS

POCs: OAQPS reporting policy for PM_{2.5} FRM precision is first to use data reported in the P&A transactions and second to use data reported in POC1 and POC2 of the raw data transactions. If there are no data in POC1 of the raw data transactions, precision will not be calculated, even if multiple POCs contain data. Sites with data in multiple POCs, other than POC1 and POC 2 are:

- c Site 160050015 has data reported in POC1 and POC3. The data in POC3 was used as collocated data for calculating precision.
- c Site 160550006 has data reported in POC2 and POC3. These data were not used in the precision calculations because no data were in POC1.
- c Site 250230004 has data in POC1, POC2, and POC3. The data in POC1 and POC2 only was used for calculating precision.
- c Site 371830014 has data in POC1 and POC3. The data in POC3 was used as collocated data for calculating precision

Method Codes: 40 CFR Part 58, Appendix A specifies the requirements for collocation for estimating precision. For FRMs, collocation is to be with the same method designation. There are *numerous* sites for which the method designation changes through time on the P&A transactions.

Units: There are 10 monitors for which some of the precision transactions are being reported using units of liters/minute. The units should be : g/m³. For the precision summary, it is assumed that the units are : g/m³, EXCEPT for the New Mexico sites, where the data for these sites look like flow rate data. The data from the NM sites are omitted from the precision and accuracy summaries. The sites with erroneous units codes for precision transactions include:

- c 1211110021, 1211710021
- c 2400320021
- c 3500100231, 3500100232, 3500100241
- c 3908510011
- c 4501900481, 4504500091, 4505100021, 4507900191
- c 5403910051

Anomalous Accuracy Values: There are some accuracy transactions for which neither the indicated nor the actual value is near 16.67 liters/minute. The North Dakota transactions listed below look like decimal point errors. All other transactions listed below look like precision transactions that have been incorrectly coded as accuracy transactions. All of these transactions will be excluded from the accuracy summaries.

The site/days are as follows:

- c 1703140071 on 9/24/01
- c 1711320021 on 9/26/01
- c 2400300141 on 7/9/01
- c 2400310031 on 4/10/01 and 7/9/01

- c 2400510071 on 4/13/01 and 7/30/01
- c 2451000491 on 7/30/01
- c 3801300031 on 8/1/01
- c 3801300032 on 8/1/01
- c 3805700041 on 7/9/01

Anomalous Precision Values: The P&A Transactions require the same decimal point for both the actual and indicated values. As a result, if one of the values is null value code, then the other must be reported without a decimal point. It appears that some data have been entered into P&A transactions where one of the values is null and the other has a decimal point. For example, there are some pairs like 998.4 and 16.7 or 99.84 and 16.70. Because they are easy to identify, the decimal point problems involving just one digit (like the first example) are excluded from the precision and accuracy estimates. Decimal point problems involving two digits (like the second example) are not excluded. Site/days with null value codes to which it looks like there is an error with just one digit are:

- c 2712308661 on 1/1/01 and 4/25/01
- c 2712308681 on 6/12/01 and 7/24/01
- c 2712308711 on 5/7/01 and 7/30/01
- c 2713775501 on 3/26/01
- c 3006300241 on 2/12/01

Also, there are a few very large precision values in the P&A transactions (greater than 150 and less than 9965). These values were excluded from the precision estimates. Site/days include:

- c 3901700031 on 3/8/01, 6/12/01, and 6/24/01
- c 3906100411 on 5/1/01, 5/7/01, 6/24/01, and 6/30/01
- c 5507900261 on 4/19/01, 6/24/01, 6/30/01

Lastly, some site/dates have large percent differences that seem inconsistent in comparison to the other percent differences observed for the site. Attached is a list of all percent differences which are larger than 50% or less than -50%. Some of these involve pairs where one or both of the values is less than 6 : g/m³. Although these pairs are not used in the precision estimates, they should be reviewed for reasonableness. For example, a pair of 0.70 and 1.40 is very reasonable whereas a pair of 1.0 and 34.0 seems unusual and should be investigated.

CY 2001 % Diff > 50% or < -50%
(based on 010202 extraction from AIRS)

1

Region	State	Rep Org	AIRS Site	Method	Date	Prim Conc	Colo. Conc	Percent Difference	Diff > 50%?	Conc <= 6?
1	NH	001	330070014	120	02/12/2001	0.80	20.70	185.116	*	*
			330110020	120	05/13/2001	23.00	3.40	-148.485	*	*
2	NJ	001	340070003	118	05/01/2001	21.00	12.40	-51.497	*	
			340070003	118	05/07/2001	4.30	2.30	-60.606	*	*
			340070003	118	05/13/2001	3.30	1.80	-58.824	*	*
			340171003	118	06/06/2001	9.50	4.80	-65.734	*	*
2	NY	001	360556001	118	04/22/2001	6.10	10.50	53.012	*	
			360556001	118	05/31/2001	3.80	6.80	56.604	*	*
			360610056	118	01/31/2001	14.10	30.80	74.388	*	
			360671015	118	07/27/2001	1.60	4.50	95.082	*	*
			360810094	118	05/22/2001	4.00	9.30	79.699	*	*
2	PR	001	720610005	118	01/01/2001	44.20	24.30	-58.102	*	
3	DC	001	110010041	120	02/18/2001	0.20	9.20	191.489	*	*
			110010041	120	04/19/2001	12.30	1.50	-156.522	*	*
3	MD	001	245100035	120	05/31/2001	7.20	1.70	-123.596	*	*
3	WV	001	540391005	118	05/28/2001	15.10	8.10	-60.345	*	
4	AL	011	011010007	120	01/01/2001	23.00	8.00	-96.774	*	
			011010007	120	01/25/2001	0.60	12.20	181.250	*	*
			011010007	120	03/26/2001	19.80	9.00	-75.000	*	
			011010007	120	04/10/2001	23.30	12.90	-57.459	*	
			011010007	120	04/19/2001	3.50	20.00	140.426	*	*
4	FL	001	120330004	118	07/30/2001	10.10	3.70	-92.754	*	*
4	FL	002	120010023	118	04/07/2001	9.00	16.00	56.000	*	
4	FL	004	121056006	118	02/24/2001	25.91	5.00	-135.296	*	*
4	FL	039	120170005	118	03/17/2001	99.74	6.89	-174.154	*	
			120170005	118	03/20/2001	99.74	7.17	-173.174	*	
4	KY	001	210190017	118	02/15/2001	8.00	29.10	113.747	*	
4	NC	001	370510009	118	05/13/2001	15.70	0.10	-197.468	*	*
			371210001	118	04/13/2001	7.70	0.70	-166.667	*	*
			371470005	118	01/25/2001	7.90	14.20	57.014	*	
			371830014	118	04/01/2001	6.30	15.70	85.455	*	
4	NC	004	370210034	118	06/06/2001	0.40	6.70	177.465	*	*

CY 2001 % Diff > 50% or < -50%
(based on 010202 extraction from AIRS)

2

Region	State	Rep Org	AIRS Site	Method	Date	Prim Conc	Colo. Conc	Percent Difference	Diff > 50%?	Conc <= 6?
4	NC	030	370990006	118	03/02/2001	14.90	8.20	-58.009	*	
			370990006	118	04/13/2001	5.90	21.60	114.182	*	*
4	TN	001	471631007	118	01/13/2001	14.30	28.00	64.775	*	
			471631007	118	08/20/2001	10.60	44.40	122.909	*	
4	TN	003	470370023	120	01/31/2001	6.80	2.60	-89.362	*	*
			470370023	120	02/12/2001	18.60	0.70	-185.492	*	*
			470370023	120	04/13/2001	12.80	0.30	-190.840	*	*
			470370023	120	05/13/2001	22.00	11.90	-59.587	*	
5	IL	001	171191007	120	05/25/2001	4.40	7.40	50.847	*	*
5	IN	001	180030004	118	03/08/2001	8.00	20.00	85.714	*	
			180950009	118	05/01/2001	4.00	15.00	115.789	*	*
			180950009	118	05/31/2001	4.00	9.00	76.923	*	*
5	MI	001	260330901	118	03/17/2001	4.00	0.00	-200.000	*	*
5	MN	001	270370470	119	06/12/2001	5.10	9.50	60.274	*	*
			270370470	119	06/24/2001	12.80	4.50	-95.954	*	*
			270370470	119	06/30/2001	3.10	11.40	114.483	*	*
			270370470	119	08/05/2001	7.80	15.30	64.935	*	
			271230866	119	02/06/2001	14.80	30.60	69.604	*	
			271230866	119	03/08/2001	9.30	3.40	-92.913	*	*
			271230866	119	06/24/2001	20.00	8.00	-85.714	*	
			271230866	119	06/30/2001	7.00	12.00	52.632	*	
			271230866	119	07/12/2001	4.80	2.70	-56.000	*	*
			271230866	119	07/18/2001	7.90	3.90	-67.797	*	*
			271230868	119	06/18/2001	19.90	9.60	-69.831	*	
			271230871	119	05/31/2001	7.40	12.50	51.256	*	
			271230871	119	06/18/2001	18.80	9.20	-68.571	*	
			271230871	119	07/18/2001	7.00	2.10	-107.692	*	*
			271230871	119	07/24/2001	3.10	1.50	-69.565	*	*
			271377550	119	01/07/2001	6.00	1.80	-107.692	*	*
			271377550	119	03/08/2001	7.00	2.60	-91.667	*	*
			271377550	119	03/14/2001	2.10	7.90	116.000	*	*
			271377550	119	04/13/2001	3.80	1.00	-116.667	*	*
			271377550	119	05/25/2001	2.70	1.10	-84.211	*	*
271377550	119	06/30/2001	2.60	5.50	71.605	*	*			
271377550	119	07/24/2001	2.30	1.30	-55.556	*	*			
5	OH	015	390950024	120	05/01/2001	2.80	19.20	149.091	*	*
5	WI	001	551091002	117	06/12/2001	11.00	6.50	-51.429	*	

CY 2001 % Diff > 50% or < -50%
(based on 010202 extraction from AIRS)

Region	State	Rep Org	AIRS Site	Method	Date	Prim Conc	Colo. Conc	Percent Difference	Diff > 50%?	Conc <= 6?
6	NM	001	350490020	118	04/22/2001	2.83	1.58	-56.689	*	*
6	NM	002	350010023	118	01/07/2001	8.40	20.20	82.517	*	
			350010023	118	02/25/2001	3.70	6.50	54.902	*	*
			350010023	118	06/15/2001	6.70	3.20	-70.707	*	*
6	NM	007	350439004	117	05/07/2001	7.20	1.40	-134.884	*	*
6	OK	101	400470554	118	04/13/2001	5.60	9.50	51.656	*	*
			401430110	118	03/08/2001	19.20	10.70	-56.856	*	
6	OK	106	400219002	118	06/06/2001	6.70	0.40	-177.465	*	*
			400219002	118	06/30/2001	0.60	1.20	66.667	*	*
			400719003	118	03/02/2001	0.10	0.50	133.333	*	*
			400719003	118	06/18/2001	11.00	2.80	-118.841	*	*
			400819005	118	08/17/2001	0.50	1.00	66.667	*	*
			400819005	118	09/22/2001	7.80	40.40	135.270	*	
6	TX	001	480290060	118	01/19/2001	7.80	3.90	-66.667	*	*
			480290060	118	06/15/2001	5.80	12.70	74.595	*	*
			481410010	118	01/13/2001	2.90	1.30	-76.190	*	*
			481410010	118	03/23/2001	2.90	5.50	61.905	*	*
			481410010	118	03/31/2001	4.60	37.60	156.398	*	*
			481410010	118	04/02/2001	5.60	30.90	138.630	*	*
			481410044	118	05/19/2001	4.60	2.30	-66.667	*	*
			481671005	118	01/13/2001	13.60	36.30	90.982	*	
			482450021	118	02/06/2001	7.80	3.30	-81.081	*	*
			482450021	118	03/26/2001	10.30	4.20	-84.138	*	*
			484530020	118	01/19/2001	5.10	34.90	149.000	*	*
			484530020	118	06/02/2001	6.50	12.60	63.874	*	
			484530020	118	08/11/2001	4.50	14.90	107.216	*	*
			484530020	118	09/16/2001	16.80	7.20	-80.000	*	
7	KS	001	201730010	118	01/01/2001	8.30	15.50	60.504	*	
			201730010	118	01/07/2001	5.60	14.10	86.294	*	*
			201730010	118	01/25/2001	12.30	21.80	55.718	*	
7	NE	001	311090022	118	02/24/2001	4.90	15.10	102.000	*	*
7	NE	003	310550019	118	04/13/2001	9.90	3.60	-93.333	*	*
			310550052	118	04/01/2001	9.70	1.00	-162.617	*	*
			310550052	118	04/07/2001	2.90	12.60	125.161	*	*
			310550052	118	04/13/2001	10.30	22.90	75.904	*	
			310550052	118	04/25/2001	6.40	11.30	55.367	*	
8	CO	001	080010006	118	06/30/2001	8.60	2.20	-118.519	*	*

CY 2001 % Diff > 50% or < -50%
(based on 010202 extraction from AIRS)

Region	State	Rep Org	AIRS Site	Method	Date	Prim Conc	Colo. Conc	Percent Difference	Diff > 50%?	Conc <= 6?
8	CO	001	080010006	118	07/24/2001	10.50	1.00	-165.217	*	*
			080010006	118	08/05/2001	8.90	4.80	-59.854	*	*
			080410011	118	05/13/2001	7.40	0.50	-174.684	*	*
			080770003	118	02/24/2001	4.80	21.00	125.581	*	*
			080770003	118	04/07/2001	2.70	4.70	54.054	*	*
			080770003	118	09/16/2001	1.50	4.70	103.226	*	*
8	MT	033	300470028	119	04/07/2001	12.30	6.20	-65.946	*	
8	ND	001	380171004	118	05/25/2001	1.10	4.20	116.981	*	*
8	UT	001	490353007	118	01/19/2001	30.10	7.30	-121.925	*	
			490353007	118	01/25/2001	9.50	19.10	67.133	*	
			490353007	118	02/06/2001	20.90	9.50	-75.000	*	
			490353007	118	02/12/2001	7.80	30.60	118.750	*	
			490570007	117	02/12/2001	6.00	10.70	56.287	*	*
9	AZ	300	040191028	120	03/02/2001	0.50	4.80	162.264	*	*
			040191028	120	03/08/2001	12.50	5.90	-71.739	*	*
9	CA	001	060190008	120	03/02/2001	23.00	42.00	58.462	*	
			060571001	120	01/31/2001	10.00	1.00	-163.636	*	*
			060571001	120	03/02/2001	5.00	1.00	-133.333	*	*
			060670006	120	06/06/2001	37.00	5.00	-152.381	*	*
			060670006	120	08/05/2001	3.00	6.00	66.667	*	*
			060670006	120	08/23/2001	4.00	11.00	93.333	*	*
9	CA	019	061110007	120	02/24/2001	9.70	5.00	-63.946	*	*
9	CA	061	060658001	120	01/07/2001	27.20	49.80	58.701	*	
9	HI	120	150031001	120	07/12/2001	3.00	5.10	51.852	*	*
9	NV	200	320310016	120	04/13/2001	15.50	1.60	-162.573	*	*
10	ID	001	160690009	117	03/20/2001	4.00	11.60	97.436	*	*
			160690009	117	06/24/2001	1.70	4.10	82.759	*	*
10	OR	001	410390060	118	03/17/2001	0.40	4.10	164.444	*	*
			410390060	118	08/05/2001	0.30	3.30	166.667	*	*
			410390060	118	08/08/2001	0.90	8.60	162.105	*	*
			410390060	118	08/14/2001	17.80	0.80	-182.796	*	*
			410390060	118	09/01/2001	0.20	2.40	169.231	*	*
			410390060	118	09/07/2001	0.50	5.60	167.213	*	*
			410390060	118	09/16/2001	6.80	0.70	-162.667	*	*
			410390060	118	09/28/2001	4.50	0.50	-160.000	*	*

CY 2001 % Diff > 50% or < -50%
 (based on 010202 extraction from AIRS)

Region	State	Rep Org	AIRS Site	Method	Date	Prim Conc	Colo. Conc	Percent Difference	Diff > 50%?	Conc <= 6?
10	OR	001	410650007	117	01/31/2001	12.20	6.70	-58.201	*	
			410650007	117	06/06/2001	0.80	2.60	105.882	*	*

Explanatory Notes for Reading Attachment on Site- and Reporting Organization-Level Precision Estimates

The attachment provides precision estimates for each of the reporting organizations as well as for each site that comprise the reporting organization. The attachment is sorted first by EPA region, then by state, next by reporting organization, next by method, and lastly by site. Only pairs for which both of the values was greater than 6 : g/m^3 are included in the estimates.

If the AIRS ID is "A", this indicates the estimates are a summary for all the sites in the reporting organization. Estimates are provided for each quarter as well as for the entire year. If the Quarter is "A", this indicates the estimates are a summary for all the available quarters.

After the column entitled quarter are the estimates of precision. The first number is the estimate in %. Following the estimate are two numbers within parentheses. These numbers are the lower and upper 90% confidence limits. If an asterisk follows the interval, this indicates that the upper bound of the confidence limit exceeds 10%, the DQO for precision. Some confidence intervals can be very wide because they are based on few observations. The number of observations is provided in the next column. Sites/Reporting Organizations with confidence intervals where the upper bound is greater than 10% and for which there are several observations (say 7 or more) should be thoroughly investigated for potential causes of the large variability.

The column entitled No. of Sampler Quarters tells how many sampler/quarters are used in the estimates. This helps to understand how many sites and/or quarters are summarized in the reporting organization estimates.

The last columns give some indication of relative bias, in %, for each site/quarter. Collocated samplers can give an estimate of bias relative to each other. For example, if one of the collocated samplers is consistently reading higher than the other, this should be investigated. The first number estimates the relative bias. The numbers within the parentheses provide the lower and upper 90% confidence limits for the bias. The interval should straddle 0%. If it does not, then one of the samplers is consistently reading higher than the other.

ESTIMATES OF RELATIVE PRECISION (REL. RMSE) BASED ON CALCULATION OPTION 3

1

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=1 STATE=CT REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
090010010	1	2.6	(2.0, 3.9)	12	1	0.4	(-1.0, 1.8)
090090018	1	6.0	(4.7, 8.5)	16	1	0.7	(-2.0, 3.5)
090091123	1	6.6	(5.1, 9.4)	15	1	-0.3	(-3.4, 2.8)
090092123	1	2.0	(1.5, 2.8)	15	1	0.7	(-0.2, 1.5)
090010010	2	5.3	(4.0, 8.1)	12	1	2.5	(-0.1, 5.0)
090090018	2	6.3	(4.8, 9.2)	14	1	5.7	(4.5, 7.0)
090091123	2	4.7	(3.6, 6.9)	14	1	2.8	(0.9, 4.7)
090092123	2	6.1	(4.5, 9.7)	10	1	3.3	(0.2, 6.4)
A	1	4.9	(4.2, 5.7)	58	4		
A	2	5.6	(4.8, 6.7)	50	4		
A	A	5.2	(4.7, 5.9)	108	8		

----- REGION=1 STATE=MA REPORTING ORGANIZATION=001 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
250130016	1	8.3	(6.4, 12.1)*	14	1	0.8	(-3.2, 4.9)
250230004	1	8.5	(6.9, 11.0)*	26	1	0.7	(-2.1, 3.6)
250270020	1	5.2	(4.0, 7.6)	14	1	1.0	(-1.5, 3.5)
A	1	7.7	(6.7, 9.2)	54	3		
A	A	7.7	(6.7, 9.2)	54	3		

----- REGION=1 STATE=ME REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
230050027	1	0.4	(0.3, 0.7)	12	1	-0.4	(-0.5, -0.3)
A	1	0.4	(0.3, 0.7)	12	1		

----- REGION=1 STATE=NH REPORTING ORGANIZATION=001 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
330070014	1	8.2	(5.9, 14.0)*	8	1	3.8	(-1.4, 9.0)
330070014	2	10.2	(7.0, 19.5)*	6	1	6.7	(-0.2, 13.6)
330110020	2	2.2	(1.5, 4.6)	5	1	-1.0	(-3.1, 1.0)
A	1	8.2	(5.9, 14.0)*	8	1		
A	2	7.6	(5.7, 11.9)*	11	2		

ESTIMATES OF RELATIVE PRECISION (REL. RMSE) BASED ON CALCULATION OPTION 3

2

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=1 STATE=NH REPORTING ORGANIZATION=001 METHOD=120 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
A	A	7.9 (6.3, 10.8)*	19	3	

----- REGION=1 STATE=RI REPORTING ORGANIZATION=001 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
440070022	1	2.7 (1.9, 4.9)	7	1	0.8 (-1.2, 2.9)
440071010	1	3.2 (2.4, 4.9)	11	1	0.4 (-1.4, 2.2)
440070022	2	0.8 (0.4, 12.5)*	1	1	-0.8
A	1	3.0 (2.4, 4.2)	18	2	
A	2	0.8 (0.4, 12.5)*	1	1	
A	A	2.9 (2.3, 4.0)	19	3	

----- REGION=1 STATE=VT REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
500070012	1	2.3 (1.8, 3.3)	16	1	-0.1 (-1.2, 1.0)
500070012	2	2.6 (2.0, 3.8)	15	1	1.2 (0.1, 2.3)
A	1	2.3 (1.8, 3.3)	16	1	
A	2	2.6 (2.0, 3.8)	15	1	
A	A	2.5 (2.1, 3.1)	31	2	

----- REGION=2 STATE=NY REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
360010005	1	1.5 (1.2, 2.0)	19	1	0.0 (-0.6, 0.6)
360050110	1	3.6 (2.9, 4.6)	27	1	-1.1 (-2.3, 0.0)
360556001	1	2.6 (2.1, 3.5)	19	1	-0.1 (-1.2, 1.0)
360610056	1	11.6 (9.5, 14.9)*	27	1	2.7 (-1.0, 6.5)
360610062	1	1.2 (1.0, 1.6)	27	1	-0.6 (-1.0, -0.2)
360632008	1	2.9 (2.3, 3.8)	25	1	0.4 (-0.6, 1.4)
360671015	1	2.7 (2.2, 3.6)	24	1	0.4 (-0.6, 1.3)
360810094	1	7.5 (6.1, 9.7)	26	1	-3.2 (-5.5, -0.8)
360010005	2	2.5 (1.9, 3.5)	17	1	-0.6 (-1.7, 0.4)
360050110	2	4.3 (3.5, 5.6)	26	1	-2.0 (-3.3, -0.7)

ESTIMATES OF RELATIVE PRECISION (REL. RMSE) BASED ON CALCULATION OPTION 3

3

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=2 STATE=NY REPORTING ORGANIZATION=001 METHOD=118 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
360556001	2	9.3 (7.5, 12.4)*	22	1	1.3 (-2.1, 4.8)
360610056	2	2.7 (2.3, 3.5)	28	1	0.2 (-0.7, 1.1)
360610062	2	2.7 (2.2, 3.4)	28	1	0.3 (-0.5, 1.2)
360632008	2	4.7 (3.7, 6.3)	21	1	0.5 (-1.3, 2.3)
360671015	2	3.3 (2.5, 4.9)	13	1	1.1 (-0.6, 2.7)
360810094	2	7.4 (5.7, 10.9)*	14	1	-3.4 (-6.6, -0.1)
A	1	5.6 (5.1, 6.1)	194	8	
A	2	5.0 (4.6, 5.5)	169	8	
A	A	5.3 (5.0, 5.7)	363	16	

----- REGION=2 STATE=PR REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
720610005	1	14.3 (10.4, 23.5)*	9	1	-4.8 (-13.6, 4.1)
721270003	1	9.1 (6.7, 14.5)*	10	1	-4.8 (-9.5, -0.1)
A	1	11.9 (9.4, 16.3)*	19	2	
A	A	11.9 (9.4, 16.3)*	19	2	

----- REGION=3 STATE=DC REPORTING ORGANIZATION=001 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
110010041	1	7.3 (5.4, 11.6)*	10	1	0.0 (-4.5, 4.5)
110010043	1	6.0 (4.2, 10.8)*	7	1	-5.4 (-7.4, -3.5)
110010041	2	8.6 (6.3, 14.1)*	9	1	3.5 (-1.7, 8.6)
110010043	2	3.9 (2.5, 9.2)	4	1	0.3 (-4.9, 5.6)
A	1	6.8 (5.3, 9.5)	17	2	
A	2	7.5 (5.7, 11.1)*	13	2	
A	A	7.1 (5.9, 9.0)	30	4	

----- REGION=3 STATE=DE REPORTING ORGANIZATION=001 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
100031012	1	4.3 (3.6, 5.6)	26	1	0.3 (-1.1, 1.8)
100032004	1	2.2 (1.7, 3.1)	17	1	-0.3 (-1.2, 0.7)

ESTIMATES OF RELATIVE PRECISION (REL. RMSE) BASED ON CALCULATION OPTION 3

4

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=3 STATE=DE REPORTING ORGANIZATION=001 METHOD=120 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
100031012	2	1.6 (1.2, 2.5)	11	1	0.3 (-0.7, 1.2)
100032004	2	10.2 (7.8, 14.9)*	14	1	4.8 (0.4, 9.2)
100031012	3	3.8 (2.5, 7.8)	5	1	-0.8 (-4.7, 3.1)
100032004	3	3.6 (2.3, 8.5)	4	1	-1.1 (-5.7, 3.5)
A	1	3.7 (3.1, 4.4)	43	2	
A	2	7.7 (6.3, 10.1)*	25	2	
A	3	3.7 (2.7, 6.0)	9	2	
A	A	5.3 (4.7, 6.1)	77	6	

----- REGION=3 STATE=MD REPORTING ORGANIZATION=001 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
240032002	1	2.6 (1.9, 4.8)	7	1	0.7 (-1.3, 2.7)
240330001	1	4.5 (3.7, 6.0)	23	1	1.8 (0.2, 3.3)
245100035	1	7.3 (6.1, 9.3)	31	1	3.5 (1.5, 5.5)
240032002	2	2.3 (1.9, 3.2)	20	1	-0.4 (-1.3, 0.5)
240330001	2	4.0 (3.3, 5.1)	28	1	3.0 (2.1, 3.8)
245100035	2	3.5 (2.9, 4.4)	34	1	1.5 (0.5, 2.4)
A	1	6.0 (5.2, 7.0)	61	3	
A	2	3.4 (3.0, 3.9)	82	3	
A	A	4.7 (4.3, 5.2)	143	6	

----- REGION=3 STATE=PA REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
420070014	1	1.9 (1.4, 3.0)	10	1	-0.8 (-1.8, 0.3)
420450002	1	3.0 (2.3, 4.4)	14	1	-1.0 (-2.4, 0.4)
420692006	1	2.1 (1.5, 3.8)	7	1	1.6 (0.5, 2.7)
420710007	1	3.6 (2.8, 5.4)	13	1	-1.6 (-3.3, 0.1)
421250005	1	2.3 (1.6, 4.8)	5	1	-0.6 (-3.0, 1.8)
421330008	1	3.5 (2.6, 5.4)	11	1	-1.9 (-3.6, -0.2)
420070014	2	2.7 (2.1, 4.0)	14	1	0.2 (-1.2, 1.5)
420450002	2	1.6 (1.2, 2.3)	13	1	-0.2 (-1.0, 0.6)
420692006	2	5.6 (4.2, 9.0)	10	1	3.3 (0.6, 6.1)
420710007	2	1.9 (1.3, 3.7)	6	1	-0.2 (-1.9, 1.5)
421250005	2	2.1 (1.7, 3.0)	16	1	0.0 (-1.0, 1.0)
421330008	2	4.9 (3.4, 8.8)	7	1	0.1 (-3.7, 4.0)
A	1	3.0 (2.6, 3.5)	60	6	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=3 STATE=PA REPORTING ORGANIZATION=001 METHOD=118 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
A	2	3.3 (2.9, 3.9)	66	6	
A	A	3.1 (2.9, 3.5)	126	12	

----- REGION=3 STATE=PA REPORTING ORGANIZATION=003 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
421010004	1	3.4 (2.5, 5.9)	8	1	-2.1 (-4.0, -0.2)
421010004	2	8.8 (6.3, 15.1)*	8	1	-1.3 (-7.6, 4.9)
A	1	3.4 (2.5, 5.9)	8	1	
A	2	8.8 (6.3, 15.1)*	8	1	
A	A	6.7 (5.2, 9.5)	16	2	

----- REGION=3 STATE=VA REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
510130020	1	4.8 (3.9, 6.4)	23	1	0.3 (-1.5, 2.0)
517100024	1	5.9 (4.7, 7.8)	23	1	-0.0 (-2.2, 2.1)
517600020	1	2.9 (2.4, 3.8)	28	1	0.4 (-0.6, 1.3)
510130020	2	6.2 (5.1, 7.9)	29	1	1.2 (-0.8, 3.1)
517100024	2	6.3 (5.1, 8.2)	26	1	-0.8 (-3.0, 1.3)
517600020	2	4.9 (4.0, 6.2)	29	1	0.6 (-1.0, 2.1)
A	1	4.6 (4.1, 5.3)	74	3	
A	2	5.8 (5.2, 6.7)	84	3	
A	A	5.3 (4.8, 5.8)	158	6	

----- REGION=3 STATE=WV REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
540391005	1	2.5 (2.0, 3.3)	21	1	-1.3 (-2.1, -0.5)
540391005	2	8.5 (7.0, 10.9)*	28	1	-1.9 (-4.6, 0.8)
A	1	2.5 (2.0, 3.3)	21	1	
A	2	8.5 (7.0, 10.9)*	28	1	
A	A	6.6 (5.7, 8.0)	49	2	

ESTIMATES OF RELATIVE PRECISION (REL. RMSE) BASED ON CALCULATION OPTION 3

6

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=3 STATE=WV REPORTING ORGANIZATION=002 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
540290011	1	2.4	(1.9, 3.2)	22	1	1.3	(0.5, 2.1)
540290011	2	4.1	(3.3, 5.6)	19	1	0.4	(-1.2, 2.1)
A	1	2.4	(1.9, 3.2)	22	1		
A	2	4.1	(3.3, 5.6)	19	1		
A	A	3.3	(2.8, 4.0)	41	2		

----- REGION=4 STATE=AL REPORTING ORGANIZATION=011 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
010970002	1	2.6	(2.0, 4.0)	12	1	0.7	(-0.7, 2.0)
011010007	1	29.0	(21.1, 47.7)*	9	1	-13.4	(-30.3, 3.5)
010970002	2	4.4	(3.4, 6.4)	14	1	2.3	(0.4, 4.1)
A	1	19.1	(15.3, 25.7)*	21	2		
A	2	4.4	(3.4, 6.4)	14	1		
A	A	15.0	(12.6, 18.8)*	35	3		

----- REGION=4 STATE=AL REPORTING ORGANIZATION=012 METHOD=116 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
010730023	1	6.9	(5.1, 10.9)*	10	1	6.0	(3.9, 8.0)
010731005	1	12.4	(8.3, 26.0)*	5	1	-0.5	(-13.7, 12.7)
010732003	1	8.2	(6.2, 12.8)*	11	1	-2.9	(-7.3, 1.6)
010732006	1	12.2	(7.9, 28.9)*	4	1	-10.0	(-19.4, -0.6)
010735002	1	15.6	(9.7, 45.6)*	3	1	-13.4	(-29.9, 3.0)
010730023	2	7.6	(5.7, 12.2)*	10	1	-2.4	(-6.8, 2.1)
010731005	2	5.8	(3.8, 13.7)*	4	1	0.5	(-7.3, 8.3)
010732003	2	7.2	(5.2, 11.8)*	9	1	-3.6	(-7.7, 0.5)
010732006	2	2.5	(1.6, 6.0)	4	1	1.1	(-2.0, 4.2)
010735002	2	11.4	(7.4, 27.0)*	4	1	0.7	(-14.7, 16.1)
A	1	10.0	(8.4, 12.6)*	33	5		
A	2	7.5	(6.2, 9.5)	31	5		
A	A	8.9	(7.8, 10.4)*	64	10		

ESTIMATES OF RELATIVE PRECISION (REL. RMSE) BASED ON CALCULATION OPTION 3

7

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=4 STATE=AL REPORTING ORGANIZATION=014 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
010890014	1	2.1 (1.6, 3.1)	12	1	1.2 (0.2, 2.1)
010890014	2	2.4 (1.8, 3.5)	14	1	0.4 (-0.8, 1.6)
A	1	2.1 (1.6, 3.1)	12	1	
A	2	2.4 (1.8, 3.5)	14	1	
A	A	2.3 (1.8, 2.9)	26	2	

----- REGION=4 STATE=FL REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
120330004	2	1.7 (1.3, 2.5)	14	1	-0.4 (-1.2, 0.4)
120730012	2	9.1 (6.8, 14.1)*	11	1	5.0 (0.7, 9.4)
A	2	6.2 (5.0, 8.1)	25	2	
A	A	6.2 (5.0, 8.1)	25	2	

----- REGION=4 STATE=FL REPORTING ORGANIZATION=002 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
120010023	1	2.5 (1.9, 3.7)	14	1	-0.7 (-1.9, 0.5)
120010023	2	13.5 (10.3, 19.6)*	14	1	1.0 (-5.6, 7.6)
A	1	2.5 (1.9, 3.7)	14	1	
A	2	13.5 (10.3, 19.6)*	14	1	
A	A	9.7 (8.0, 12.4)*	28	2	

----- REGION=4 STATE=FL REPORTING ORGANIZATION=003 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
121171002	1	5.7 (4.4, 8.2)	15	1	2.3 (-0.1, 4.8)
121171002	2	3.3 (2.6, 4.9)	14	1	2.5 (1.4, 3.6)
A	1	5.7 (4.4, 8.2)	15	1	
A	2	3.3 (2.6, 4.9)	14	1	
A	A	4.7 (3.9, 6.1)	29	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=4 STATE=FL REPORTING ORGANIZATION=004 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
121056006	1	1.8 (1.4, 2.8)	11	1	-0.1 (-1.1, 1.0)
121056006	2	4.7 (3.5, 7.5)	10	1	2.5 (0.1, 4.9)
A	1	1.8 (1.4, 2.8)	11	1	
A	2	4.7 (3.5, 7.5)	10	1	
A	A	3.5 (2.8, 4.7)	21	2	

----- REGION=4 STATE=FL REPORTING ORGANIZATION=005 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
120710005	1	2.2 (1.8, 2.8)	25	1	0.7 (-0.1, 1.4)
120710005	2	3.3 (2.7, 4.4)	24	1	2.0 (1.1, 3.0)
A	1	2.2 (1.8, 2.8)	25	1	
A	2	3.3 (2.7, 4.4)	24	1	
A	A	2.8 (2.4, 3.4)	49	2	

----- REGION=4 STATE=FL REPORTING ORGANIZATION=006 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
121111002	1	3.1 (2.4, 4.8)	12	1	0.2 (-1.5, 1.9)
121111002	2	6.8 (5.2, 9.9)	14	1	0.9 (-2.3, 4.2)
A	1	3.1 (2.4, 4.8)	12	1	
A	2	6.8 (5.2, 9.9)	14	1	
A	A	5.4 (4.4, 7.0)	26	2	

----- REGION=4 STATE=FL REPORTING ORGANIZATION=011 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
120310099	1	3.5 (2.6, 5.4)	11	1	0.6 (-1.4, 2.5)
120310099	2	3.2 (2.4, 4.9)	11	1	1.6 (0.0, 3.1)
A	1	3.5 (2.6, 5.4)	11	1	
A	2	3.2 (2.4, 4.9)	11	1	
A	A	3.3 (2.7, 4.4)	22	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=4 STATE=FL REPORTING ORGANIZATION=012 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
120570030	1	4.6 (3.5, 6.9)	12	1	-1.6 (-4.0, 0.7)
120570030	2	3.2 (2.5, 4.6)	16	1	0.6 (-0.8, 2.1)
A	1	4.6 (3.5, 6.9)	12	1	
A	2	3.2 (2.5, 4.6)	16	1	
A	A	3.9 (3.2, 5.0)	28	2	

----- REGION=4 STATE=FL REPORTING ORGANIZATION=013 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
121030018	1	6.9 (5.2, 10.5)*	12	1	2.8 (-0.6, 6.2)
121030018	2	8.0 (6.1, 11.8)*	13	1	2.3 (-1.6, 6.2)
A	1	6.9 (5.2, 10.5)*	12	1	
A	2	8.0 (6.1, 11.8)*	13	1	
A	A	7.5 (6.1, 9.8)	25	2	

----- REGION=4 STATE=FL REPORTING ORGANIZATION=015 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
121150013	1	1.9 (1.4, 2.9)	12	1	0.1 (-0.9, 1.2)
121150013	2	3.5 (2.6, 5.4)	11	1	2.7 (1.4, 4.0)
A	1	1.9 (1.4, 2.9)	12	1	
A	2	3.5 (2.6, 5.4)	11	1	
A	A	2.8 (2.3, 3.7)	23	2	

----- REGION=4 STATE=FL REPORTING ORGANIZATION=016 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
120992003	1	3.0 (2.1, 5.1)	8	1	0.3 (-1.8, 2.4)
120992003	2	3.7 (2.4, 8.9)	4	1	1.3 (-3.5, 6.0)
A	1	3.0 (2.1, 5.1)	8	1	
A	2	3.7 (2.4, 8.9)	4	1	
A	A	3.3 (2.5, 4.9)	12	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=4 STATE=FL REPORTING ORGANIZATION=017 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
120111002	1	4.3	(3.2, 6.7)	11	1	-2.1	(-4.3, 0.1)
120111002	2	3.4	(2.6, 5.1)	13	1	-1.2	(-2.8, 0.5)
A	1	4.3	(3.2, 6.7)	11	1		
A	2	3.4	(2.6, 5.1)	13	1		
A	A	3.9	(3.1, 5.1)	24	2		

----- REGION=4 STATE=FL REPORTING ORGANIZATION=020 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
120952002	1	1.3	(1.0, 1.9)	15	1	0.0	(-0.6, 0.7)
120952002	2	8.2	(6.3, 11.9)*	14	1	-1.1	(-5.1, 2.9)
A	1	1.3	(1.0, 1.9)	15	1		
A	2	8.2	(6.3, 11.9)*	14	1		
A	A	5.8	(4.8, 7.4)	29	2		

----- REGION=4 STATE=FL REPORTING ORGANIZATION=039 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
120170005	1	32.4	(26.7, 41.4)*	29	1	-8.6	(-18.6, 1.4)
120170005	2	3.8	(3.1, 5.0)	26	1	-2.1	(-3.2, -1.0)
A	1	32.4	(26.7, 41.4)*	29	1		
A	2	3.8	(3.1, 5.0)	26	1		
A	A	23.6	(20.5, 28.1)*	55	2		

----- REGION=4 STATE=GA REPORTING ORGANIZATION=010 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
130210007	1	4.3	(3.1, 7.4)	8	1	2.2	(-0.5, 4.9)
130510017	1	1.2	(0.8, 3.6)	3	1	0.8	(-1.1, 2.7)
130892001	1	2.7	(1.9, 4.8)	7	1	-0.2	(-2.3, 1.9)
131210032	1	5.0	(3.2, 11.7)*	4	1	4.0	(-0.0, 8.0)
132150001	1	3.0	(2.1, 5.7)	6	1	1.5	(-0.8, 3.8)
132450005	1	3.5	(2.3, 7.3)	5	1	-1.2	(-4.7, 2.2)
130210007	2	9.5	(6.5, 18.1)*	6	1	4.8	(-2.5, 12.1)
130510017	2	5.2	(3.7, 8.9)	8	1	-2.1	(-5.5, 1.3)

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=4 STATE=GA REPORTING ORGANIZATION=010 METHOD=120 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
130892001	2	3.2 (2.2, 6.8)	5	1	1.4 (-1.7, 4.5)
131210032	2	2.7 (1.9, 5.2)	6	1	2.0 (0.4, 3.6)
132150001	2	4.7 (3.4, 8.1)	8	1	2.4 (-0.5, 5.3)
132450005	2	4.3 (3.0, 7.7)	7	1	-0.1 (-3.6, 3.3)
A	1	3.6 (3.0, 4.5)	33	6	
A	2	5.4 (4.5, 6.6)	40	6	
A	A	4.6 (4.1, 5.4)	73	12	

----- REGION=4 STATE=KY REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
210190017	1	22.6 (17.2, 33.5)*	13	1	7.6 (-3.4, 18.5)
210590014	1	3.6 (2.7, 5.5)	11	1	-2.8 (-4.1, -1.5)
210670012	1	4.9 (3.7, 7.4)	12	1	2.4 (0.1, 4.7)
211950002	1	8.0 (5.8, 13.1)*	9	1	-2.7 (-7.6, 2.3)
212270007	1	4.8 (3.6, 7.7)	10	1	-3.0 (-5.3, -0.6)
210190017	2	4.6 (3.5, 6.7)	14	1	3.5 (2.1, 5.0)
210590014	2	4.1 (3.1, 6.1)	13	1	-1.2 (-3.2, 0.8)
210670012	2	6.2 (4.8, 8.9)	15	1	2.5 (-0.1, 5.2)
211950002	2	5.5 (4.1, 8.5)	11	1	0.0 (-3.1, 3.2)
212270007	2	2.3 (1.7, 3.5)	12	1	0.3 (-0.9, 1.5)
A	1	12.0 (10.4, 14.2)*	55	5	
A	2	4.8 (4.2, 5.6)	65	5	
A	A	8.8 (8.0, 9.9)	120	10	

----- REGION=4 STATE=MS REPORTING ORGANIZATION=100 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
280330002	1	11.0 (8.3, 16.6)*	12	1	5.5 (0.4, 10.6)
280350004	1	3.6 (2.7, 5.6)	11	1	2.0 (0.3, 3.7)
280670002	1	4.8 (3.6, 7.2)	12	1	-0.7 (-3.3, 1.9)
281210001	1	5.4 (4.1, 8.2)	12	1	2.5 (-0.1, 5.1)
280330002	2	3.9 (3.0, 5.9)	13	1	-0.7 (-2.7, 1.2)
280350004	2	4.5 (3.5, 6.6)	14	1	1.1 (-1.1, 3.2)
280670002	2	3.6 (2.8, 5.2)	15	1	2.4 (1.1, 3.7)
281210001	2	5.6 (4.3, 8.4)	13	1	1.9 (-0.8, 4.7)
A	1	6.9 (5.9, 8.3)	47	4	
A	2	4.5 (3.9, 5.3)	55	4	

ESTIMATES OF RELATIVE PRECISION (REL. RMSE) BASED ON CALCULATION OPTION 3

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* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=4 STATE=MS REPORTING ORGANIZATION=100 METHOD=118 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
A	A	5.7 (5.1, 6.4)	102	8	

----- REGION=4 STATE=NC REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
370510009	1	1.3 (1.0, 2.1)	10	1	0.6 (-0.2, 1.3)
370710016	1	2.2 (1.7, 3.3)	13	1	0.4 (-0.7, 1.5)
370810009	1	3.6 (2.8, 5.3)	14	1	2.9 (1.9, 4.0)
371210001	1	2.8 (2.2, 4.2)	13	1	-1.0 (-2.3, 0.4)
371290009	1	3.1 (2.3, 4.7)	11	1	-0.4 (-2.1, 1.4)
371470005	1	13.4 (9.8, 22.1)*	9	1	4.3 (-4.0, 12.7)
371830014	1	5.2 (3.9, 8.1)	11	1	-2.5 (-5.1, 0.1)
370510009	2	8.7 (6.7, 12.5)*	15	1	3.4 (-0.4, 7.1)
370710016	2	2.4 (1.9, 3.4)	16	1	-0.4 (-1.5, 0.7)
370810009	2	4.3 (3.4, 6.1)	16	1	2.4 (0.7, 4.0)
371210001	2	2.0 (1.5, 3.0)	13	1	-1.1 (-2.0, -0.2)
371470005	2	1.8 (1.3, 3.0)	8	1	-0.6 (-1.8, 0.5)
371830014	2	15.2 (11.9, 21.6)*	16	1	4.0 (-2.7, 10.6)
A	1	5.4 (4.8, 6.3)	81	7	
A	2	8.0 (7.1, 9.1)	84	6	
A	A	6.8 (6.3, 7.5)	165	13	

----- REGION=4 STATE=NC REPORTING ORGANIZATION=002 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
370670024	1	2.9 (2.2, 4.4)	12	1	-1.5 (-2.9, -0.2)
370670024	2	2.0 (1.5, 2.9)	13	1	-0.0 (-1.1, 1.0)
A	1	2.9 (2.2, 4.4)	12	1	
A	2	2.0 (1.5, 2.9)	13	1	
A	A	2.5 (2.0, 3.2)	25	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=4 STATE=NC REPORTING ORGANIZATION=003 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
371190042	1	1.7 (1.3, 2.5)	12	1	-0.4 (-1.3, 0.5)
371190042	2	2.4 (1.8, 3.5)	13	1	-0.7 (-1.8, 0.5)
A	1	1.7 (1.3, 2.5)	12	1	
A	2	2.4 (1.8, 3.5)	13	1	
A	A	2.1 (1.7, 2.7)	25	2	

----- REGION=4 STATE=NC REPORTING ORGANIZATION=004 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
370210034	1	2.6 (1.8, 4.6)	7	1	1.6 (-0.0, 3.2)
A	1	2.6 (1.8, 4.6)	7	1	

----- REGION=4 STATE=NC REPORTING ORGANIZATION=030 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
370990006	1	29.4 (17.0, 129.8)*	2	1	-17.2 (-168, 133.4)
370990006	2	3.7 (2.6, 6.3)	8	1	1.2 (-1.2, 3.7)
A	1	29.4 (17.0, 129.8)*	2	1	
A	2	3.7 (2.6, 6.3)	8	1	
A	A	13.5 (10.0, 21.6)*	10	2	

----- REGION=4 STATE=SC REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
450190048	1	2.5 (1.9, 3.7)	12	1	1.0 (-0.2, 2.2)
450450009	1	1.8 (1.3, 2.8)	10	1	0.2 (-0.9, 1.3)
450510002	1	3.3 (2.7, 4.3)	26	1	-1.5 (-2.5, -0.5)
450790019	1	1.8 (1.4, 2.5)	17	1	0.2 (-0.5, 1.0)
450190048	2	6.0 (4.5, 8.8)	13	1	4.8 (3.0, 6.6)
450450009	2	3.8 (3.0, 5.5)	16	1	2.7 (1.4, 3.9)
450510002	2	2.3 (1.9, 3.1)	23	1	1.2 (0.5, 1.9)
450790019	2	4.8 (4.0, 6.3)	26	1	1.8 (0.2, 3.3)
450190048	3	6.1 (4.3, 11.0)*	7	1	4.4 (1.0, 7.8)
450450009	3	2.3 (1.6, 3.7)	9	1	0.5 (-0.9, 2.0)
450510002	3	4.0 (3.1, 6.0)	13	1	-0.2 (-2.3, 1.8)

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=4 STATE=SC REPORTING ORGANIZATION=001 METHOD=118 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
450790019	3	2.1 (1.7, 3.0)	18	1	0.4 (-0.5, 1.3)
A	1	2.6 (2.3, 3.1)	65	4	
A	2	4.3 (3.8, 4.9)	78	4	
A	3	3.6 (3.1, 4.3)	47	4	
A	A	3.6 (3.3, 3.9)	190	12	

----- REGION=4 STATE=TN REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
471130004	1	3.2 (2.5, 4.3)	20	1	-2.0 (-3.0, -0.9)
471631007	1	11.7 (9.4, 15.5)*	23	1	3.9 (-0.1, 8.0)
471650007	1	3.3 (2.7, 4.3)	25	1	2.5 (1.8, 3.2)
471130004	2	5.5 (4.3, 7.7)	17	1	-1.3 (-3.6, 1.0)
471631007	2	3.5 (2.7, 4.8)	18	1	-0.0 (-1.5, 1.4)
471650007	2	2.3 (1.9, 3.0)	26	1	0.4 (-0.3, 1.2)
A	1	7.3 (6.4, 8.5)	68	3	
A	2	3.8 (3.3, 4.4)	61	3	
A	A	5.9 (5.3, 6.6)	129	6	

----- REGION=4 STATE=TN REPORTING ORGANIZATION=002 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
471570047	2	2.0 (1.5, 3.0)	12	1	0.4 (-0.6, 1.5)
A	2	2.0 (1.5, 3.0)	12	1	

----- REGION=4 STATE=TN REPORTING ORGANIZATION=003 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
470370023	1	6.0 (4.6, 9.0)	13	1	3.5 (0.9, 6.0)
470370023	2	12.1 (9.2, 18.0)*	13	1	-1.9 (-8.0, 4.3)
A	1	6.0 (4.6, 9.0)	13	1	
A	2	12.1 (9.2, 18.0)*	13	1	
A	A	9.6 (7.8, 12.4)*	26	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=4 STATE=TN REPORTING ORGANIZATION=004 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
470931017	1	3.8 (2.9, 5.8)	12	1	-0.2 (-2.3, 1.8)
470931017	2	2.7 (2.1, 3.9)	14	1	1.2 (0.1, 2.4)
A	1	3.8 (2.9, 5.8)	12	1	
A	2	2.7 (2.1, 3.9)	14	1	
A	A	3.3 (2.7, 4.2)	26	2	

----- REGION=4 STATE=TN REPORTING ORGANIZATION=005 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
470654002	1	2.4 (1.9, 3.3)	17	1	1.1 (0.2, 2.0)
470654002	2	1.9 (1.5, 2.4)	28	1	-1.1 (-1.6, -0.6)
A	1	2.4 (1.9, 3.3)	17	1	
A	2	1.9 (1.5, 2.4)	28	1	
A	A	2.1 (1.8, 2.5)	45	2	

----- REGION=5 STATE=IL REPORTING ORGANIZATION=001 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
170314201	1	4.8 (3.4, 8.6)	7	1	-3.0 (-5.9, -0.0)
171150013	1	4.3 (3.2, 6.7)	11	1	-2.5 (-4.5, -0.4)
171191007	1	2.5 (1.8, 4.9)	6	1	1.1 (-1.0, 3.2)
171193007	1	7.4 (5.5, 11.8)*	10	1	5.7 (2.8, 8.6)
171430037	1	7.2 (5.6, 10.5)*	14	1	-0.7 (-4.2, 2.9)
171613002	1	3.0 (2.1, 5.7)	6	1	-0.1 (-2.8, 2.6)
170314201	2	6.7 (4.6, 12.8)*	6	1	-3.2 (-8.5, 2.1)
171150013	2	4.9 (3.6, 7.6)	11	1	-2.8 (-5.1, -0.5)
171191007	2	6.0 (4.5, 9.6)	10	1	4.8 (2.5, 7.0)
171193007	2	8.6 (6.7, 12.4)*	15	1	5.0 (1.7, 8.3)
171430037	2	4.1 (3.1, 5.9)	14	1	-1.9 (-3.7, -0.2)
171613002	2	4.7 (3.4, 7.7)	9	1	-1.2 (-4.2, 1.8)
A	1	5.7 (4.9, 6.7)	54	6	
A	2	6.1 (5.4, 7.2)	65	6	
A	A	5.9 (5.4, 6.6)	119	12	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=5 STATE=IL REPORTING ORGANIZATION=003 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
170310050	1	25.1 (12.8, 400.9) *	1	1	25.1
170310052	1	9.8 (7.2, 15.6) *	10	1	-8.1 (-11.4, -4.7)
170313301	1	5.7 (4.2, 8.8)	11	1	3.2 (0.6, 5.9)
170310050	2	4.2 (3.2, 6.0)	15	1	-0.3 (-2.2, 1.7)
170310052	2	12.8 (9.3, 21.1) *	9	1	-8.7 (-14.9, -2.5)
170313301	2	10.6 (8.0, 16.1) *	12	1	5.9 (1.1, 10.7)
A	1	9.4 (7.6, 12.5) *	22	3	
A	2	9.3 (7.8, 11.5) *	36	3	
A	A	9.3 (8.1, 11.0) *	58	6	

----- REGION=5 STATE=IN REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
180030004	1	17.9 (13.5, 27.1) *	12	1	7.5 (-1.2, 16.3)
180431004	1	0.7 (0.5, 1.3)	7	1	-0.3 (-0.8, 0.2)
180891016	1	2.7 (2.0, 4.7)	8	1	1.2 (-0.5, 3.0)
180950009	1	13.5 (9.7, 23.0) *	8	1	6.4 (-2.0, 14.9)
181411008	1	2.4 (1.8, 3.6)	12	1	-0.8 (-2.0, 0.4)
181570007	1	2.2 (1.7, 3.3)	13	1	0.3 (-0.9, 1.4)
181630006	1	3.3 (2.5, 5.1)	11	1	-0.1 (-2.0, 1.8)
181670023	1	4.5 (3.4, 6.7)	13	1	1.3 (-0.9, 3.5)
180030004	2	7.3 (5.2, 13.1) *	7	1	-2.9 (-8.2, 2.4)
180431004	2	4.8 (3.7, 7.2)	13	1	-3.1 (-5.0, -1.2)
180891016	2	5.3 (4.0, 7.7)	14	1	-1.8 (-4.2, 0.7)
180950009	2	6.7 (4.3, 15.9) *	4	1	4.3 (-2.7, 11.3)
181411008	2	3.5 (2.7, 5.0)	15	1	-0.9 (-2.5, 0.7)
181570007	2	4.0 (3.0, 6.0)	12	1	-1.3 (-3.3, 0.7)
181630006	2	3.1 (2.3, 4.7)	12	1	1.1 (-0.5, 2.6)
181670023	2	4.0 (3.0, 5.9)	13	1	-1.0 (-3.0, 0.9)
A	1	8.4 (7.4, 9.6)	84	8	
A	2	4.6 (4.1, 5.3)	90	8	
A	A	6.7 (6.2, 7.4)	174	16	

----- REGION=5 STATE=IN REPORTING ORGANIZATION=008 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
180970081	1	1.8 (1.4, 2.6)	15	1	0.1 (-0.8, 0.9)
180970083	1	3.8 (2.9, 5.5)	15	1	-2.6 (-3.9, -1.3)
180970081	2	4.4 (3.4, 6.3)	15	1	1.7 (-0.2, 3.6)

ESTIMATES OF RELATIVE PRECISION (REL. RMSE) BASED ON CALCULATION OPTION 3

17

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=5 STATE=IN REPORTING ORGANIZATION=008 METHOD=118 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
180970083	2	5.5 (4.2, 7.9)	15	1	-0.8 (-3.3, 1.8)
180970081	3	3.2 (2.4, 5.1)	10	1	2.1 (0.7, 3.6)
180970083	3	6.5 (5.0, 9.3)	15	1	-0.1 (-3.2, 2.9)
A	1	3.0 (2.5, 3.8)	30	2	
A	2	4.9 (4.1, 6.3)	30	2	
A	3	5.4 (4.4, 7.1)	25	2	
A	A	4.5 (4.0, 5.2)	85	6	

----- REGION=5 STATE=MI REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
260330901	1	2.4 (1.4, 10.7) *	2	1	2.4 (1.8, 3.0)
260650012	1	4.7 (3.6, 6.9)	13	1	2.9 (1.0, 4.8)
260770008	1	5.9 (4.4, 8.9)	12	1	1.1 (-2.0, 4.3)
260810020	1	5.4 (4.1, 8.1)	13	1	2.6 (0.1, 5.0)
261450018	1	1.4 (0.7, 21.7) *	1	1	-1.4
261470005	1	2.4 (1.7, 3.9)	9	1	-0.3 (-1.9, 1.2)
261610008	1	5.4 (4.0, 8.3)	11	1	-0.2 (-3.3, 2.9)
261630001	1	7.6 (5.8, 11.3) *	13	1	0.6 (-3.3, 4.5)
260330901	2	3.7 (2.8, 5.6)	12	1	-0.2 (-2.2, 1.8)
260650012	2	4.4 (3.3, 6.7)	12	1	-1.2 (-3.5, 1.1)
260770008	2	3.1 (2.4, 4.5)	14	1	-0.3 (-1.8, 1.2)
260810020	2	6.9 (5.3, 10.3) *	13	1	5.5 (3.3, 7.7)
261470005	2	2.2 (1.7, 3.3)	13	1	0.6 (-0.5, 1.7)
261610008	2	10.8 (8.3, 15.5) *	15	1	-1.3 (-6.4, 3.7)
261630001	2	4.7 (3.5, 7.3)	11	1	1.4 (-1.2, 4.0)
A	1	5.5 (4.8, 6.3)	74	8	
A	2	6.0 (5.3, 6.8)	90	7	
A	A	5.7 (5.3, 6.3)	164	15	

----- REGION=5 STATE=MN REPORTING ORGANIZATION=001 METHOD=119 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
271230866	1	19.3 (14.1, 31.8) *	9	1	7.7 (-3.9, 19.4)
271377550	1	7.9 (5.1, 18.8) *	4	1	2.2 (-8.1, 12.6)
270370470	2	9.4 (6.5, 18.0) *	6	1	-2.1 (-10.4, 6.1)
271230866	2	24.1 (18.4, 35.8) *	13	1	-0.0 (-12.4, 12.3)
271230868	2	21.4 (15.1, 38.4) *	7	1	-8.4 (-24.0, 7.2)

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=5 STATE=MN REPORTING ORGANIZATION=001 METHOD=119 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
271230871	2	24.7 (18.0, 40.6)*	9	1	1.1 (-15.1, 17.3)
271377550	2	10.6 (7.6, 18.2)*	8	1	-3.8 (-10.9, 3.3)
A	1	16.7 (12.7, 24.8)*	13	2	
A	2	20.3 (17.3, 24.7)*	43	5	
A	A	19.5 (16.9, 23.1)*	56	7	

----- REGION=5 STATE=OH REPORTING ORGANIZATION=001 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
390490025	1	3.9 (2.9, 6.2)	10	1	2.3 (0.4, 4.2)
390490025	2	2.5 (1.9, 3.6)	14	1	1.5 (0.5, 2.5)
A	1	3.9 (2.9, 6.2)	10	1	
A	2	2.5 (1.9, 3.6)	14	1	
A	A	3.1 (2.6, 4.1)	24	2	

----- REGION=5 STATE=OH REPORTING ORGANIZATION=004 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
390811001	1	1.6 (1.2, 2.6)	9	1	0.4 (-0.6, 1.4)
A	1	1.6 (1.2, 2.6)	9	1	

----- REGION=5 STATE=OH REPORTING ORGANIZATION=006 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
391530017	1	5.1 (3.9, 7.3)	15	1	2.3 (0.2, 4.4)
391530017	2	3.5 (2.7, 5.1)	15	1	-1.1 (-2.7, 0.5)
A	1	5.1 (3.9, 7.3)	15	1	
A	2	3.5 (2.7, 5.1)	15	1	
A	A	4.4 (3.6, 5.6)	30	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=5 STATE=OH REPORTING ORGANIZATION=007 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
391510017	2	2.9 (2.2, 4.3)	13	1	2.1 (1.0, 3.1)
A	2	2.9 (2.2, 4.3)	13	1	

----- REGION=5 STATE=OH REPORTING ORGANIZATION=008 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
390170003	1	3.0 (2.3, 4.3)	14	1	-1.2 (-2.5, 0.2)
390610014	1	5.3 (4.0, 8.3)	11	1	2.3 (-0.5, 5.0)
390610041	1	4.1 (3.1, 5.8)	15	1	-3.2 (-4.4, -2.0)
390170003	2	1.4 (1.0, 2.2)	10	1	0.4 (-0.4, 1.2)
390610014	2	2.3 (1.8, 3.5)	13	1	-1.4 (-2.4, -0.5)
390610041	2	2.7 (2.0, 4.3)	10	1	-0.0 (-1.7, 1.6)
A	1	4.1 (3.5, 5.1)	40	3	
A	2	2.2 (1.9, 2.8)	33	3	
A	A	3.4 (3.0, 4.0)	73	6	

----- REGION=5 STATE=OH REPORTING ORGANIZATION=009 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
390350038	1	3.9 (2.9, 6.1)	10	1	2.3 (0.3, 4.2)
390350060	1	4.8 (3.7, 7.2)	13	1	1.7 (-0.6, 4.1)
390350038	2	3.2 (2.5, 4.8)	13	1	-2.2 (-3.4, -1.0)
390350060	2	2.0 (1.5, 3.0)	12	1	0.7 (-0.3, 1.7)
A	1	4.4 (3.6, 5.9)	23	2	
A	2	2.7 (2.2, 3.5)	25	2	
A	A	3.6 (3.1, 4.4)	48	4	

----- REGION=5 STATE=OH REPORTING ORGANIZATION=010 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
391130014	1	9.4 (6.9, 15.5)*	9	1	3.2 (-2.7, 9.0)
391130014	2	9.8 (7.6, 14.1)*	15	1	-1.3 (-5.9, 3.3)
A	1	9.4 (6.9, 15.5)*	9	1	
A	2	9.8 (7.6, 14.1)*	15	1	
A	A	9.7 (7.9, 12.8)*	24	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=5 STATE=OH REPORTING ORGANIZATION=012 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
390851001	2	7.3 (5.5, 11.0)*	12	1	2.4 (-1.3, 6.1)
A	2	7.3 (5.5, 11.0)*	12	1	

----- REGION=5 STATE=OH REPORTING ORGANIZATION=013 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
391450013	1	2.9 (2.1, 4.8)	9	1	-0.2 (-2.1, 1.7)
391450013	2	11.7 (8.9, 17.4)*	13	1	6.8 (1.9, 11.7)
A	1	2.9 (2.1, 4.8)	9	1	
A	2	11.7 (8.9, 17.4)*	13	1	
A	A	9.2 (7.4, 12.3)*	22	2	

----- REGION=5 STATE=OH REPORTING ORGANIZATION=015 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
390950024	2	11.6 (8.6, 18.5)*	10	1	3.8 (-3.0, 10.5)
A	2	11.6 (8.6, 18.5)*	10	1	

----- REGION=5 STATE=OH REPORTING ORGANIZATION=016 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
390990005	1	4.2 (3.2, 6.3)	13	1	0.8 (-1.4, 2.9)
390990005	2	2.4 (1.9, 3.6)	13	1	0.3 (-1.0, 1.5)
A	1	4.2 (3.2, 6.3)	13	1	
A	2	2.4 (1.9, 3.6)	13	1	
A	A	3.5 (2.8, 4.5)	26	2	

----- REGION=5 STATE=WI REPORTING ORGANIZATION=001 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
551091002	2	15.3 (11.0, 26.2)*	8	1	-5.5 (-15.7, 4.7)

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=5 STATE=WV REPORTING ORGANIZATION=001 METHOD=117 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
A	2	15.3 (11.0, 26.2)*	8	1	

----- REGION=5 STATE=WV REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
550090005	2	4.8 (3.8, 6.6)	19	1	-0.4 (-2.4, 1.5)
550250025	2	3.8 (3.0, 5.2)	19	1	0.4 (-1.2, 1.9)
550310025	2	3.1 (2.4, 4.2)	18	1	0.2 (-1.1, 1.5)
550790026	2	4.4 (3.2, 7.0)	10	1	2.0 (-0.3, 4.4)
550790059	2	6.8 (4.9, 11.1)*	9	1	-1.8 (-6.1, 2.5)
551330027	2	3.8 (2.9, 5.5)	14	1	-1.0 (-2.8, 0.8)
A	2	4.4 (3.9, 5.0)	89	6	
A	A	4.4 (3.9, 5.0)	89	6	

----- REGION=6 STATE=AR REPORTING ORGANIZATION=001 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
050010010	1	2.1 (1.5, 4.0)	6	1	0.9 (-0.8, 2.6)
050310001	1	1.9 (1.4, 2.9)	12	1	-0.2 (-1.2, 0.8)
050450002	1	1.9 (1.5, 2.8)	13	1	0.3 (-0.7, 1.3)
050010010	2	2.2 (1.6, 3.8)	8	1	0.5 (-1.1, 2.0)
050310001	2	1.3 (1.0, 2.1)	10	1	0.5 (-0.2, 1.3)
050450002	2	1.7 (1.3, 2.5)	13	1	-1.0 (-1.7, -0.3)
050010010	3	1.2 (0.7, 3.5)	3	1	0.4 (-1.9, 2.7)
050310001	3	1.9 (1.3, 3.6)	6	1	1.2 (-0.2, 2.5)
050450002	3	1.2 (0.9, 1.9)	10	1	-0.1 (-0.8, 0.7)
A	1	1.9 (1.6, 2.5)	31	3	
A	2	1.7 (1.4, 2.2)	31	3	
A	3	1.5 (1.2, 2.0)	19	3	
A	A	1.8 (1.6, 2.0)	81	9	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=6 STATE=AR REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
051190007	1	2.3	(1.7, 3.5)	12	1	0.8	(-0.3, 2.0)
051191008	1	2.8	(2.1, 4.2)	12	1	1.0	(-0.4, 2.4)
051310008	1	2.7	(1.9, 4.9)	7	1	0.3	(-1.8, 2.5)
051190007	2	1.0	(0.7, 1.5)	13	1	0.5	(0.1, 1.0)
051191008	2	1.6	(1.2, 2.3)	15	1	0.2	(-0.6, 0.9)
051310008	2	1.6	(1.1, 2.6)	9	1	0.1	(-1.0, 1.1)
051190007	3	1.5	(1.1, 2.4)	10	1	1.1	(0.5, 1.7)
051191008	3	1.5	(1.1, 2.4)	10	1	0.8	(0.1, 1.6)
051310008	3	1.9	(1.4, 3.1)	9	1	0.7	(-0.4, 1.9)
A	1	2.6	(2.1, 3.3)	31	3		
A	2	1.4	(1.2, 1.7)	37	3		
A	3	1.6	(1.3, 2.1)	29	3		
A	A	1.9	(1.7, 2.2)	97	9		

----- REGION=6 STATE=LA REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
220171002	1	2.2	(1.5, 3.9)	7	1	1.7	(0.5, 2.8)
220330009	1	2.5	(1.8, 4.1)	9	1	0.1	(-1.5, 1.8)
220550005	1	2.8	(2.0, 4.8)	8	1	-1.0	(-2.9, 0.9)
220710012	1	6.7	(4.9, 11.1)*	9	1	4.1	(0.5, 7.6)
220171002	2	3.9	(2.6, 8.1)	5	1	2.8	(-0.0, 5.7)
220330009	2	4.6	(3.1, 9.5)	5	1	2.8	(-1.1, 6.6)
220550005	2	6.3	(4.3, 12.0)*	6	1	-3.5	(-8.2, 1.2)
220710012	2	9.1	(5.6, 26.6)*	3	1	7.3	(-3.8, 18.5)
A	1	4.1	(3.4, 5.2)	33	4		
A	2	5.9	(4.7, 8.1)	19	4		
A	A	4.9	(4.2, 5.8)	52	8		

----- REGION=6 STATE=NM REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
350450006	1	2.7	(2.0, 4.1)	12	1	0.7	(-0.7, 2.1)
350490020	1	1.5	(1.0, 3.2)	5	1	-0.3	(-1.9, 1.3)
350450006	2	2.7	(1.9, 5.2)	6	1	0.8	(-1.5, 3.1)
350490020	2	2.1	(1.2, 9.4)	2	1	2.1	(2.0, 2.3)
A	1	2.4	(1.9, 3.4)	17	2		
A	2	2.6	(1.8, 4.4)	8	2		
A	A	2.5	(2.0, 3.2)	25	4		

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=6 STATE=NM REPORTING ORGANIZATION=002 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
350010023	1	10.3 (8.7, 12.7)*	39	1	-0.5 (-3.4, 2.3)
350010023	2	6.3 (4.6, 10.9)*	8	1	3.6 (-0.1, 7.3)
A	1	10.3 (8.7, 12.7)*	39	1	
A	2	6.3 (4.6, 10.9)*	8	1	
A	A	9.8 (8.4, 11.8)*	47	2	

----- REGION=6 STATE=NM REPORTING ORGANIZATION=007 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
350439004	1	7.4 (5.5, 11.4)*	11	1	-0.9 (-5.1, 3.3)
350439004	2	5.0 (3.8, 7.4)	13	1	1.7 (-0.7, 4.1)
A	1	7.4 (5.5, 11.4)*	11	1	
A	2	5.0 (3.8, 7.4)	13	1	
A	A	6.2 (5.0, 8.2)	24	2	

----- REGION=6 STATE=OK REPORTING ORGANIZATION=101 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
400310648	1	5.5 (4.0, 9.0)	9	1	1.7 (-1.7, 5.1)
400470554	1	1.3 (0.9, 2.1)	8	1	-0.0 (-0.9, 0.9)
401090035	1	2.6 (2.0, 3.9)	12	1	0.9 (-0.4, 2.2)
401430110	1	17.6 (13.1, 27.2)*	11	1	-4.6 (-14.3, 5.2)
A	1	9.7 (8.2, 11.9)*	40	4	
A	A	9.7 (8.2, 11.9)*	40	4	

----- REGION=6 STATE=OK REPORTING ORGANIZATION=106 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
400219002	1	6.0 (4.6, 8.6)	15	1	-2.1 (-4.8, 0.5)
400719003	1	1.7 (1.2, 2.9)	8	1	-0.9 (-1.9, 0.2)
400219002	2	7.4 (5.3, 12.6)*	8	1	-3.5 (-8.1, 1.1)
400719003	2	2.5 (1.8, 4.2)	8	1	1.4 (-0.1, 2.8)
A	1	4.9 (4.0, 6.5)	23	2	
A	2	5.5 (4.3, 7.8)	16	2	
A	A	5.2 (4.4, 6.4)	39	4	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=6 STATE=TX REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
480290060	1	2.9 (1.7, 12.9)*	2	1	-1.8 (-16.3, 12.6)
481130050	1	3.2 (2.5, 4.7)	14	1	1.8 (0.5, 3.1)
481130069	1	3.8 (2.9, 5.6)	13	1	1.0 (-0.9, 2.8)
481410010	1	9.6 (5.5, 42.3)*	2	1	-9.3 (-24.6, 6.1)
481410044	1	3.8 (2.7, 6.4)	8	1	2.2 (-0.1, 4.4)
481671005	1	18.7 (14.1, 28.4)*	12	1	5.1 (-4.7, 14.8)
482011035	1	3.3 (2.5, 5.3)	10	1	1.3 (-0.6, 3.2)
482450021	1	5.5 (4.4, 7.6)	19	1	-1.8 (-3.9, 0.4)
483550032	1	4.1 (3.0, 7.1)	8	1	1.1 (-1.7, 4.0)
484391002	1	7.6 (5.8, 11.0)*	14	1	1.2 (-2.5, 4.9)
484393006	1	4.0 (3.1, 5.9)	13	1	-0.7 (-2.7, 1.3)
484530020	1	3.3 (2.2, 6.9)	5	1	-1.6 (-4.7, 1.4)
A	1	7.5 (6.8, 8.4)	120	12	
A	A	7.5 (6.8, 8.4)	120	12	

----- REGION=7 STATE=IA REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
191532520	1	3.6 (2.8, 5.4)	13	1	1.0 (-0.8, 2.8)
191532520	2	2.0 (1.5, 3.0)	12	1	0.7 (-0.3, 1.7)
191532520	3	1.7 (1.2, 3.0)	7	1	0.7 (-0.6, 1.9)
A	1	3.6 (2.8, 5.4)	13	1	
A	2	2.0 (1.5, 3.0)	12	1	
A	3	1.7 (1.2, 3.0)	7	1	
A	A	2.7 (2.3, 3.4)	32	3	

----- REGION=7 STATE=IA REPORTING ORGANIZATION=002 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
191130037	1	6.2 (4.8, 9.0)	15	1	-3.6 (-6.0, -1.3)
191130037	2	5.1 (3.8, 7.7)	12	1	-4.6 (-5.7, -3.4)
A	1	6.2 (4.8, 9.0)	15	1	
A	2	5.1 (3.8, 7.7)	12	1	
A	A	5.7 (4.7, 7.4)	27	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=7 STATE=IA REPORTING ORGANIZATION=003 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
190450021	1	2.0	(1.6, 2.6)	26	1	-0.4	(-1.0, 0.3)
191550009	1	5.0	(4.0, 6.7)	22	1	-0.3	(-2.2, 1.6)
191630015	1	2.5	(1.9, 3.5)	16	1	0.1	(-1.1, 1.2)
190450021	2	4.4	(3.5, 6.0)	20	1	-0.2	(-2.0, 1.5)
191550009	2	4.6	(3.7, 6.2)	21	1	1.9	(0.2, 3.5)
191630015	2	5.1	(4.0, 7.4)	15	1	3.2	(1.4, 5.1)
190450021	3	3.6	(2.8, 4.9)	19	1	-0.6	(-2.0, 0.9)
191550009	3	4.6	(3.6, 6.4)	18	1	0.2	(-1.7, 2.2)
191630015	3	3.7	(2.8, 5.4)	14	1	0.8	(-1.0, 2.5)
A	1	3.4	(3.0, 4.0)	64	3		
A	2	4.7	(4.1, 5.6)	56	3		
A	3	4.0	(3.4, 4.8)	51	3		
A	A	4.0	(3.7, 4.4)	171	9		

----- REGION=7 STATE=KS REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
200910007	1	2.8	(2.0, 4.6)	9	1	0.8	(-0.9, 2.6)
201070002	1	2.4	(1.8, 3.5)	13	1	-0.7	(-1.9, 0.5)
201730010	1	17.9	(13.5, 27.1)*	12	1	9.6	(1.4, 17.8)
202090021	1	8.2	(6.3, 12.2)*	13	1	3.6	(-0.2, 7.4)
200910007	2	3.0	(2.2, 4.8)	10	1	0.8	(-1.0, 2.5)
201070002	2	2.6	(2.0, 3.9)	13	1	-1.5	(-2.6, -0.4)
201730010	2	7.2	(5.4, 10.9)*	12	1	-0.1	(-4.0, 3.7)
202090021	2	2.9	(2.3, 4.3)	14	1	-0.9	(-2.2, 0.5)
A	1	10.2	(8.7, 12.3)*	47	4		
A	2	4.3	(3.7, 5.2)	49	4		
A	A	7.8	(6.9, 8.8)	96	8		

----- REGION=7 STATE=MD REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
290210010	1	2.7	(2.3, 3.5)	28	1	-0.5	(-1.3, 0.4)
290470026	1	2.1	(1.6, 3.3)	11	1	1.3	(0.4, 2.3)
291831002	1	2.8	(2.3, 3.5)	28	1	0.7	(-0.1, 1.6)
290210010	2	1.8	(1.4, 2.4)	21	1	0.5	(-0.2, 1.1)
290470026	2	3.4	(2.6, 5.0)	13	1	-1.7	(-3.2, -0.2)
291831002	2	1.6	(1.3, 2.1)	23	1	-0.4	(-0.9, 0.2)
A	1	2.7	(2.3, 3.1)	67	3		

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=7 STATE=MD REPORTING ORGANIZATION=001 METHOD=118 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
A	2	2.2 (1.9, 2.6)	57	3	
A	A	2.4 (2.2, 2.7)	124	6	

----- REGION=7 STATE=MD REPORTING ORGANIZATION=002 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
291892003	1	3.0 (2.3, 4.5)	13	1	-0.1 (-1.6, 1.5)
A	1	3.0 (2.3, 4.5)	13	1	

----- REGION=7 STATE=MD REPORTING ORGANIZATION=002 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
291892003	1	0.8 (0.4, 12.0)*	1	1	0.8
291892003	2	2.1 (1.6, 3.1)	13	1	0.4 (-0.6, 1.5)
A	1	0.8 (0.4, 12.0)*	1	1	
A	2	2.1 (1.6, 3.1)	13	1	
A	A	2.1 (1.6, 3.0)	14	2	

----- REGION=7 STATE=MD REPORTING ORGANIZATION=003 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
295100085	1	2.8 (2.4, 3.2)	74	1	-0.6 (-1.1, -0.0)
295100085	2	2.6 (2.3, 3.0)	76	1	-1.1 (-1.5, -0.6)
A	1	2.8 (2.4, 3.2)	74	1	
A	2	2.6 (2.3, 3.0)	76	1	
A	A	2.7 (2.5, 3.0)	150	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=7 STATE=MD REPORTING ORGANIZATION=004 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
290952002	1	1.5	(1.2, 2.2)	15	1	-0.5	(-1.2, 0.2)
290952002	2	1.5	(1.2, 2.2)	14	1	-0.5	(-1.2, 0.2)
A	1	1.5	(1.2, 2.2)	15	1		
A	2	1.5	(1.2, 2.2)	14	1		
A	A	1.5	(1.3, 2.0)	29	2		

----- REGION=7 STATE=MD REPORTING ORGANIZATION=005 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
290770032	1	2.1	(1.6, 3.1)	14	1	0.1	(-1.0, 1.1)
290770032	2	2.3	(1.7, 3.3)	14	1	-0.3	(-1.4, 0.8)
A	1	2.1	(1.6, 3.1)	14	1		
A	2	2.3	(1.7, 3.3)	14	1		
A	A	2.2	(1.8, 2.8)	28	2		

----- REGION=7 STATE=NE REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
311090022	1	5.2	(3.9, 8.3)	10	1	-2.1	(-5.0, 0.9)
311530007	1	4.0	(2.6, 9.6)	4	1	-1.9	(-6.7, 2.8)
311090022	2	5.7	(4.1, 9.8)	8	1	4.5	(2.1, 7.0)
311530007	2	3.1	(2.1, 5.9)	6	1	1.2	(-1.4, 3.7)
A	1	4.9	(3.8, 7.2)	14	2		
A	2	4.8	(3.7, 7.0)	14	2		
A	A	4.8	(4.0, 6.2)	28	4		

----- REGION=7 STATE=NE REPORTING ORGANIZATION=003 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
310550019	1	6.1	(4.3, 11.0)*	7	1	-2.6	(-7.0, 1.8)
310550052	1	3.6	(2.5, 6.4)	7	1	0.8	(-2.0, 3.5)
310550019	2	14.7	(9.6, 34.9)*	4	1	-8.9	(-24.8, 7.1)
310550052	2	25.7	(18.7, 42.3)*	9	1	9.0	(-6.8, 24.8)
A	1	5.0	(3.9, 7.3)	14	2		
A	2	22.9	(17.4, 34.0)*	13	2		

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=7 STATE=NE REPORTING ORGANIZATION=003 METHOD=118 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
A	A	16.3 (13.4, 21.1)*	27	4	

----- REGION=8 STATE=CO REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
080010001	1	7.8 (5.9, 11.9)*	12	1	3.4 (-0.5, 7.2)
080410011	1	8.5 (6.5, 12.4)*	14	1	2.1 (-1.9, 6.2)
080770003	1	6.7 (4.9, 10.7)*	10	1	2.6 (-1.2, 6.4)
080010001	2	4.8 (2.4, 75.8)*	1	1	-4.8
080010006	2	6.7 (5.1, 9.8)	14	1	-0.6 (-3.9, 2.6)
080410011	2	10.0 (6.7, 20.9)*	5	1	-6.4 (-14.6, 1.8)
080770003	2	4.2 (2.7, 10.0)	4	1	1.8 (-3.4, 7.0)
080010006	3	3.1 (1.6, 49.0)*	1	1	3.1
080410011	3	3.0 (1.7, 13.2)*	2	1	1.5 (-14.9, 17.9)
A	1	7.8 (6.6, 9.7)	36	3	
A	2	7.1 (5.8, 9.4)	24	4	
A	3	3.0 (1.9, 8.8)	3	2	
A	A	7.4 (6.5, 8.7)	63	9	

----- REGION=8 STATE=MI REPORTING ORGANIZATION=033 METHOD=119 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
300470028	1	3.2 (2.3, 5.0)	10	1	1.1 (-0.7, 2.9)
A	1	3.2 (2.3, 5.0)	10	1	

----- REGION=8 STATE=MI REPORTING ORGANIZATION=037 METHOD=119 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
300870307	2	3.3 (2.2, 6.8)	5	1	-0.7 (-4.1, 2.7)
A	2	3.3 (2.2, 6.8)	5	1	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=8 STATE=ND REPORTING ORGANIZATION=001 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
380130003	1	1.8 (1.2, 3.7)	5	1	1.1 (-0.4, 2.6)
380570004	1	1.0 (0.7, 1.8)	7	1	0.2 (-0.6, 1.0)
380130003	2	8.4 (5.2, 24.4)*	3	1	-6.3 (-17.7, 5.2)
380570004	2	2.1 (1.4, 4.3)	5	1	-1.5 (-3.0, -0.0)
A	1	1.4 (1.0, 2.1)	12	2	
A	2	5.4 (3.9, 9.2)	8	2	
A	A	3.6 (2.8, 4.8)	20	4	

----- REGION=8 STATE=ND REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
380171004	1	2.0 (1.6, 2.9)	16	1	-0.5 (-1.4, 0.4)
380171004	2	1.9 (1.4, 2.9)	10	1	-1.0 (-1.9, 0.0)
A	1	2.0 (1.6, 2.9)	16	1	
A	2	1.9 (1.4, 2.9)	10	1	
A	A	2.0 (1.6, 2.5)	26	2	

----- REGION=8 STATE=UT REPORTING ORGANIZATION=001 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
490110001	1	2.3 (1.7, 3.6)	10	1	-0.1 (-1.5, 1.3)
490570007	1	2.6 (1.9, 4.2)	10	1	-0.3 (-1.9, 1.3)
490110001	2	8.9 (6.3, 16.0)*	7	1	3.8 (-2.5, 10.2)
490570007	2	4.4 (3.1, 7.5)	8	1	-0.0 (-3.1, 3.1)
A	1	2.5 (2.0, 3.3)	20	2	
A	2	6.9 (5.3, 9.9)	15	2	
A	A	4.9 (4.1, 6.1)	35	4	

----- REGION=8 STATE=UT REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
490353007	1	38.8 (29.6, 57.7)*	13	1	0.0 (-20.0, 20.0)
490494001	1	4.3 (3.1, 7.4)	8	1	0.3 (-2.8, 3.4)
490353007	2	3.9 (2.7, 7.5)	6	1	-3.6 (-5.0, -2.3)
490494001	2	11.3 (8.4, 18.0)*	10	1	-2.2 (-9.0, 4.5)

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=8 STATE=UT REPORTING ORGANIZATION=001 METHOD=118 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
A	1	30.7 (24.6, 41.3)*	21	2	
A	2	9.3 (7.2, 13.1)*	16	2	
A	A	23.9 (20.1, 29.6)*	37	4	

----- REGION=8 STATE=WY REPORTING ORGANIZATION=001 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
560330002	2	7.1 (4.6, 16.9)*	4	1	7.0 (5.4, 8.6)
A	2	7.1 (4.6, 16.9)*	4	1	

----- REGION=9 STATE=AZ REPORTING ORGANIZATION=300 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
040191028	1	4.5 (2.9, 10.6)*	4	1	-2.9 (-7.5, 1.7)
040191028	2	4.8 (3.3, 9.2)	6	1	2.6 (-1.0, 6.3)
A	1	4.5 (2.9, 10.6)*	4	1	
A	2	4.8 (3.3, 9.2)	6	1	
A	A	4.7 (3.4, 7.4)	10	2	

----- REGION=9 STATE=CA REPORTING ORGANIZATION=001 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
060170011	1	4.0 (2.9, 6.8)	8	1	-0.6 (-3.4, 2.3)
061010003	1	2.3 (1.7, 3.4)	12	1	-0.9 (-2.0, 0.2)
060170011	2	1.6 (1.2, 2.8)	8	1	-0.6 (-1.7, 0.5)
061010003	2	5.6 (4.1, 9.2)	9	1	-3.7 (-6.5, -1.0)
A	1	3.1 (2.5, 4.2)	20	2	
A	2	4.2 (3.3, 5.9)	17	2	
A	A	3.7 (3.1, 4.5)	37	4	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=9 STATE=CA REPORTING ORGANIZATION=001 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
060190008	1	12.5 (9.5, 19.0) *	12	1	0.7 (-6.0, 7.5)
060571001	1	0.0 (0.0, 0.0)	4	1	0.0 (0.0, 0.0)
060670006	1	5.4 (3.1, 24.0) *	2	1	-4.7 (-22.2, 12.9)
060190008	2	3.1 (2.3, 4.9)	10	1	-1.1 (-2.9, 0.6)
060571001	2	0.0 (0.0, 0.0)	4	1	0.0 (0.0, 0.0)
060670006	2	10.2 (7.2, 18.3) *	7	1	-0.5 (-8.5, 7.6)
A	1	10.4 (8.2, 14.4) *	18	3	
A	2	6.3 (5.0, 8.4)	21	3	
A	A	8.4 (7.1, 10.4) *	39	6	

----- REGION=9 STATE=CA REPORTING ORGANIZATION=014 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
060710306	1	5.0 (3.7, 7.9)	10	1	0.7 (-2.3, 3.7)
060710306	2	8.4 (6.4, 12.7) *	12	1	-1.1 (-5.6, 3.4)
A	1	5.0 (3.7, 7.9)	10	1	
A	2	8.4 (6.4, 12.7) *	12	1	
A	A	7.1 (5.7, 9.4)	22	2	

----- REGION=9 STATE=CA REPORTING ORGANIZATION=019 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
060798001	1	0.1 (0.1, 2.0)	1	1	0.1
060798001	2	2.4 (1.7, 4.3)	7	1	0.6 (-1.2, 2.4)
A	1	0.1 (0.1, 2.0)	1	1	
A	2	2.4 (1.7, 4.3)	7	1	
A	A	2.2 (1.6, 3.8)	8	2	

----- REGION=9 STATE=CA REPORTING ORGANIZATION=019 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
060271003	2	2.8 (1.7, 8.1)	3	1	-1.6 (-6.3, 3.1)
A	2	2.8 (1.7, 8.1)	3	1	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=9 STATE=CA REPORTING ORGANIZATION=019 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
060290014	1	4.4	(3.3, 6.8)	11	1	-3.2	(-4.9, -1.5)
060798001	1	1.6	(1.1, 2.7)	8	1	-0.7	(-1.7, 0.3)
061110007	1	4.7	(3.4, 7.7)	9	1	-1.3	(-4.2, 1.7)
060290014	2	8.3	(6.2, 12.8)*	11	1	-6.8	(-9.5, -4.1)
061110007	2	1.8	(1.3, 3.1)	8	1	0.0	(-1.3, 1.3)
A	1	3.9	(3.2, 5.0)	28	3		
A	2	6.4	(5.1, 8.8)	19	2		
A	A	5.1	(4.3, 6.1)	47	5		

----- REGION=9 STATE=CA REPORTING ORGANIZATION=036 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
060250005	1	4.4	(3.4, 6.6)	13	1	3.4	(2.0, 4.9)
060730006	1	2.1	(1.6, 3.1)	12	1	-0.4	(-1.5, 0.7)
A	1	3.5	(2.9, 4.6)	25	2		
A	A	3.5	(2.9, 4.6)	25	2		

----- REGION=9 STATE=CA REPORTING ORGANIZATION=061 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
060370002	1	5.7	(4.3, 8.9)	11	1	4.2	(1.9, 6.4)
060371103	1	3.7	(2.9, 5.5)	14	1	2.9	(1.8, 4.1)
060652002	1	5.1	(3.8, 8.1)	10	1	4.5	(2.9, 6.0)
060658001	1	12.5	(9.4, 18.9)*	12	1	2.6	(-4.0, 9.2)
060712002	1	1.3	(1.0, 2.0)	12	1	0.8	(0.2, 1.4)
060370002	2	2.3	(1.9, 3.2)	20	1	-1.5	(-2.2, -0.8)
060371103	2	3.3	(2.6, 4.7)	15	1	2.2	(1.0, 3.3)
060652002	2	2.9	(2.2, 4.4)	12	1	0.3	(-1.2, 1.9)
060658001	2	4.0	(3.1, 5.7)	16	1	-2.6	(-4.0, -1.2)
060712002	2	1.8	(1.3, 2.9)	10	1	0.7	(-0.3, 1.7)
A	1	6.8	(5.9, 8.0)	59	5		
A	2	3.0	(2.7, 3.5)	73	5		
A	A	5.1	(4.6, 5.6)	132	10		

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=9 STATE=HI REPORTING ORGANIZATION=120 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
150031001	1	5.7 (3.3, 25.1) *	2	1	-3.5 (-31.9, 25.0)
150032004	1	3.5 (2.2, 10.2) *	3	1	-1.4 (-8.0, 5.3)
A	1	4.5 (3.0, 9.4)	5	2	
A	A	4.5 (3.0, 9.4)	5	2	

----- REGION=9 STATE=NV REPORTING ORGANIZATION=200 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
320310016	1	2.4 (1.8, 3.8)	11	1	-0.7 (-2.0, 0.6)
320310016	2	1.6 (1.2, 2.6)	10	1	0.2 (-0.7, 1.2)
A	1	2.4 (1.8, 3.8)	11	1	
A	2	1.6 (1.2, 2.6)	10	1	
A	A	2.1 (1.7, 2.8)	21	2	

----- REGION=9 STATE=NV REPORTING ORGANIZATION=300 METHOD=120 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
320030560	1	5.9 (4.4, 9.2)	11	1	2.2 (-1.0, 5.3)
320030560	2	7.0 (5.2, 10.9) *	11	1	0.4 (-3.6, 4.4)
320030560	3	3.4 (2.3, 7.1)	5	1	-0.3 (-3.9, 3.3)
A	1	5.9 (4.4, 9.2)	11	1	
A	2	7.0 (5.2, 10.9) *	11	1	
A	3	3.4 (2.3, 7.1)	5	1	
A	A	6.0 (5.0, 7.8)	27	3	

----- REGION=10 STATE=AK REPORTING ORGANIZATION=020 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
020200018	1	4.8 (3.2, 10.0)	5	1	1.2 (-3.7, 6.1)
020900010	1	6.9 (5.3, 9.9)	15	1	-2.5 (-5.5, 0.5)
021100004	1	1.0 (0.7, 2.0)	6	1	-0.6 (-1.4, 0.1)
020200018	2	5.5 (3.2, 24.2) *	2	1	-4.8 (-21.6, 12.1)
020900010	2	5.6 (3.9, 10.0)	7	1	2.0 (-2.1, 6.1)
A	1	5.6 (4.6, 7.3)	26	3	
A	2	5.5 (4.0, 9.1)	9	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=10 STATE=AK REPORTING ORGANIZATION=020 METHOD=117 -----
 (continued)

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
A	A	5.6 (4.7, 7.0)	35	5	

----- REGION=10 STATE=ID REPORTING ORGANIZATION=001 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
160270004	1	3.3 (2.6, 5.0)	13	1	0.3 (-1.4, 2.0)
160690009	1	6.7 (4.9, 10.6)*	10	1	1.7 (-2.3, 5.6)
A	1	5.1 (4.1, 6.7)	23	2	
A	A	5.1 (4.1, 6.7)	23	2	

----- REGION=10 STATE=ID REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
160050015	1	5.3 (3.8, 9.6)	7	1	-4.1 (-6.8, -1.4)
160550006	1	5.0 (3.8, 7.6)	12	1	2.5 (0.2, 4.9)
A	1	5.1 (4.1, 7.0)	19	2	
A	A	5.1 (4.1, 7.0)	19	2	

----- REGION=10 STATE=OR REPORTING ORGANIZATION=001 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE (90% CONF. INTERVAL)	NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS (90% CONF. INTERVAL)
410650007	1	14.8 (10.8, 24.4)*	9	1	-2.2 (-11.8, 7.5)
410650007	2	3.1 (1.9, 9.1)	3	1	0.9 (-5.3, 7.1)
A	1	14.8 (10.8, 24.4)*	9	1	
A	2	3.1 (1.9, 9.1)	3	1	
A	A	12.9 (9.8, 19.6)*	12	2	

* INDICATES UPPER BOUND OF ESTIMATED 90% CONFIDENCE INTERVAL > 10%

----- REGION=10 STATE=OR REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
410290133	1	2.6	(2.0, 3.8)	15	1	1.2	(0.1, 2.3)
410330107	1	1.9	(1.4, 3.1)	9	1	0.3	(-1.0, 1.5)
410370001	1	2.9	(2.1, 4.6)	10	1	2.6	(1.7, 3.4)
410390060	1	1.9	(1.5, 2.5)	23	1	1.2	(0.7, 1.7)
410510080	1	3.2	(2.4, 4.8)	12	1	0.8	(-0.9, 2.4)
410671003	1	2.0	(1.5, 3.0)	12	1	1.3	(0.5, 2.1)
410290133	2	5.8	(4.2, 9.5)	9	1	4.4	(2.0, 6.9)
410330107	2	2.8	(1.7, 8.1)	3	1	-0.7	(-6.2, 4.9)
410510080	2	3.7	(2.6, 6.3)	8	1	-0.3	(-2.9, 2.3)
410671003	2	2.9	(1.9, 6.9)	4	1	2.7	(1.1, 4.2)
A	1	2.4	(2.1, 2.8)	81	6		
A	2	4.4	(3.6, 5.8)	24	4		
A	A	3.0	(2.7, 3.4)	105	10		

----- REGION=10 STATE=WA REPORTING ORGANIZATION=001 METHOD=117 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
530750003	1	6.3	(3.6, 27.6)*	2	1	4.9	(-19.4, 29.3)
A	1	6.3	(3.6, 27.6)*	2	1		

----- REGION=10 STATE=WA REPORTING ORGANIZATION=001 METHOD=118 -----

AIRS ID	QUARTER	EST. REL. RMSE		NO. OF OBSERVATIONS	NO. OF SAMPLER QUARTERS	EST. REL. BIAS	
		(90% CONF. INTERVAL)				(90% CONF. INTERVAL)	
530330057	1	2.0	(1.6, 2.9)	15	1	1.2	(0.4, 2.0)
530530031	1	4.3	(3.3, 6.5)	13	1	3.7	(2.6, 4.9)
530630016	1	2.2	(1.7, 3.3)	13	1	-0.4	(-1.6, 0.7)
530730015	1	2.2	(1.5, 4.6)	5	1	-0.1	(-2.4, 2.3)
530770009	1	4.8	(3.6, 7.7)	10	1	2.0	(-0.6, 4.7)
A	1	3.4	(2.9, 4.0)	56	5		
A	A	3.4	(2.9, 4.0)	56	5		

Attachment IIIA. Accuracy Completeness Table

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
U.S.	# SLAMS operated Q1 Q2 & Q3 2001=943; # where Accuracy Reqrd (All)=943; # w/ Accuracy Data =838; # w/ 3 Q Acc.=353						
ALABAMA	# SLAMS operated Q1 Q2 & Q3 2001= 16; # where Accuracy Reqrd (All)= 16; # w/ Accuracy Data = 13; # w/ 3 Q Acc.= 7						
	010270001	1	1	0	2	2	.
	010331002	1	2	1	3	3	1
	010690002	1	2	4	4	3	1
	010730023	1	0	0	0	0	.
	010732003	1	0	0	0	0	.
	010735002	1	0	0	0	0	.
	010890014	1	0	1	1	2	.
	010970002	1	2	1	3	3	1
	011010007	1	1	1	4	3	1
	011030010	1	1	1	0	2	.
	011030011	1	0	0	1	1	.
	011130001	1	2	2	3	3	1
	011170006	1	3	5	4	3	1
	011190002	1	1	2	4	3	1
	011210002	1	1	0	2	2	.
	011250003	1	2	0	1	2	.
	011270002	1	0	0	0	0	.
ALASKA	# SLAMS operated Q1 Q2 & Q3 2001= 7; # where Accuracy Reqrd (All)= 7; # w/ Accuracy Data = 7; # w/ 3 Q Acc.= 0						
	020200018	1	1	1	0	2	.
	020200044	1	1	1	0	2	.
	020900010	2	1	1	0	2	.
	021100004	2	1	1	0	2	.
	021700004	1	1	1	0	2	.
	021700008	1	1	1	0	2	.
	022900003	1	1	1	0	2	.
ARIZONA	# SLAMS operated Q1 Q2 & Q3 2001= 5; # where Accuracy Reqrd (All)= 5; # w/ Accuracy Data = 0; # w/ 3 Q Acc.= 0						
	040031005	1	0	0	0	0	.
	040051008	1	0	0	0	0	.
	040190011	1	0	0	0	0	.
	040191028	1	0	0	0	0	.
	040230004	1	0	0	0	0	.
ARKANSAS	# SLAMS operated Q1 Q2 & Q3 2001= 19; # where Accuracy Reqrd (All)= 19; # w/ Accuracy Data = 24; # w/ 3 Q Acc.= 6						
	050010010	1	1	1	1	3	1
	050010011	1	0	0	3	1	.
	050030004	1	2	0	1	2	.
	050030005	1	0	0	1	2	.
	050310001	1	1	1	2	4	1
	050350004	1	0	1	1	2	.
	050450002	1	1	1	1	4	1
	050510002	1	1	0	1	3	.
	050690005	1	1	1	0	2	.
	050690006	1	0	0	1	1	.
	050890001	1	1	1	2	4	1
	050910004	1	0	1	1	3	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	050930007	1	0	1	1	3	.
	051070001	1	0	1	1	3	.
	051130002	1	0	1	2	2	.
	051150003	1	2	1	1	3	1
	051190007	1	2	0	1	2	.
	051191004	1	1	1	1	4	1
	051191008	1	2	0	1	3	.
	051310008	1	1	1	0	2	.
	051390004	1	1	1	.	2	.
	051390005	1	.	0	0	1	.
	051430003	1	2	0	1	2	.
	051450001	1	1	1	0	2	.

CALIFORNIA # SLAMS operated Q1 Q2 & Q3 2001= 82; # where Accuracy Reqrd (All)= 82; # w/ Accuracy Data = 60; # w/ 3 Q Acc.= 13

	060010007	1	0	0	0	0	.
	060011001	1	0	0	0	0	.
	060070002	1	0	0	1	1	.
	060090001	1	0	0	1	1	.
	060111002	1	0	0	0	0	.
	060130002	1	0	0	0	0	.
	060170011	1	0	0	1	1	.
	060170012	1	0	0	1	1	.
	060190008	1	0	0	0	0	.
	060195001	1	0	0	1	1	.
	060195025	1	1	0	0	1	.
	060231002	1	0	0	1	1	.
	060250003	1	0	1	0	1	.
	060250005	1	0	1	0	1	.
	060251003	1	0	1	0	1	.
	060271003	1	0	0	1	1	.
	060290010	1	0	0	1	1	.
	060290011	1	0	0	0	0	.
	060290012	1	0	0	0	0	.
	060290014	1	0	1	0	1	.
	060290016	1	0	1	0	1	.
	060310004	1	0	1	0	1	.
	060333001	1	0	0	1	1	.
	060370002	1	1	1	1	3	1
	060371002	1	1	1	1	3	1
	060371103	1	1	1	0	2	.
	060371201	1	1	1	1	3	1
	060371301	1	1	1	1	3	1
	060371601	1	1	1	0	2	.
	060372005	1	1	1	1	3	1
	060374002	1	1	1	1	3	1
	060379002	1	1	0	0	1	.
	060450006	1	0	0	1	1	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	060472510	1	1	0	0	1	.
	060490001	1	0	0	1	1	.
	060510001	1	0	0	0	0	.
	060531002	1	0	0	0	0	.
	060531003	1	0	0	1	1	.
	060570005	1	0	0	1	1	.
	060571001	1	0	0	1	1	.
	060590001	1	1	0	1	2	.
	060610006	1	0	0	0	0	.
	060631006	1	0	0	1	1	.
	060631009	1	0	0	0	0	.
	060651003	1	1	1	1	3	1
	060652002	1	1	1	1	3	1
	060655001	1	1	1	1	3	1
	060658001	1	1	1	1	3	1
	060670006	1	0	0	1	1	.
	060670010	1	0	0	0	0	.
	060674001	1	0	0	0	0	.
	060710014	1	0	0	0	0	.
	060710025	1	1	1	1	3	1
	060710306	1	1	0	0	1	.
	060712002	1	1	1	1	3	1
	060719004	1	1	1	1	3	1
	060730001	1	0	0	1	1	.
	060730003	1	0	0	1	1	.
	060730006	1	0	0	1	1	.
	060731002	1	0	0	1	1	.
	060731007	1	0	0	1	1	.
	060750005	1	0	0	0	0	.
	060771002	1	0	0	0	0	.
	060792002	1	0	1	0	1	.
	060798001	1	0	1	0	1	.
	060811001	1	0	0	0	0	.
	060830010	1	0	0	0	0	.
	060831007	1	0	1	0	1	.
	060850004	1	1	0	0	1	.
	060852003	1	0	0	0	0	.
	060870007	1	0	0	1	1	.
	060890004	1	0	0	1	1	.
	060950004	1	0	0	0	0	.
	060970003	1	0	0	0	0	.
	060990005	1	1	0	0	1	.
	061010003	1	0	0	1	1	.
	061072002	1	0	0	1	1	.
	061110007	1	0	1	0	1	.
	061110009	1	0	0	0	0	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	061112002	1	0	1	0	1	.
	061113001	1	0	1	0	1	.
	061131003	1	0	1	0	1	.
COLORADO	# SLAMS operated Q1 Q2 & Q3 2001= 13; # where Accuracy Reqrd (All)= 13; # w/ Accuracy Data = 14; # w/ 3 Q Acc.= 13						
	080010001	1	1	1	.	2	.
	080010006	1	1	1	1	3	1
	080050005	1	1	1	2	3	1
	080130003	1	1	1	1	3	1
	080130012	1	1	1	1	3	1
	080310002	1	2	1	2	3	1
	080390001	1	1	1	1	3	1
	080410008	1	1	1	1	3	1
	080410011	1	1	1	1	3	1
	080690009	1	1	1	1	3	1
	080770003	1	1	1	1	3	1
	081010012	1	1	1	1	3	1
	081230006	1	1	1	1	3	1
	081230008	1	1	1	1	3	1
CONNECTIC	# SLAMS operated Q1 Q2 & Q3 2001= 10; # where Accuracy Reqrd (All)= 10; # w/ Accuracy Data = 10; # w/ 3 Q Acc.= 10						
	090010010	1	1	2	1	3	1
	090010113	1	1	1	1	3	1
	090011123	1	1	1	1	3	1
	090031003	1	1	1	1	3	1
	090031018	1	1	1	1	3	1
	090090018	1	1	1	1	3	1
	090091123	1	1	1	1	3	1
	090092123	1	1	1	1	3	1
	090099005	1	1	1	1	3	1
	090113002	1	1	1	2	3	1
DELAWARE	# SLAMS operated Q1 Q2 & Q3 2001= 7; # where Accuracy Reqrd (All)= 7; # w/ Accuracy Data = 7; # w/ 3 Q Acc.= 0						
	100010002	1	1	1	0	2	.
	100010003	1	1	1	0	2	.
	100031003	1	1	1	0	2	.
	100031007	1	1	1	0	2	.
	100031012	1	1	1	0	2	.
	100032004	1	1	1	0	2	.
	100051002	1	2	1	0	2	.
DISTRICT O	# SLAMS operated Q1 Q2 & Q3 2001= 3; # where Accuracy Reqrd (All)= 3; # w/ Accuracy Data = 0; # w/ 3 Q Acc.= 0						
	110010041	1	0	0	0	0	.
	110010042	1	0	0	0	0	.
	110010043	1	0	0	0	0	.
FLORIDA	# SLAMS operated Q1 Q2 & Q3 2001= 29; # where Accuracy Reqrd (All)= 29; # w/ Accuracy Data = 29; # w/ 3 Q Acc.= 25						
	120010023	1	1	1	1	3	1
	120010024	1	0	0	0	0	.
	120051004	1	0	0	1	1	.
	120090007	1	1	1	1	3	1

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	120111002	1	1	1	1	3	1
	120112004	1	1	1	1	3	1
	120113002	1	1	1	1	3	1
	120170005	1	1	1	1	3	1
	120251016	1	1	1	1	3	1
	120256001	1	1	1	1	3	1
	120310098	1	1	1	1	3	1
	120310099	1	1	1	1	3	1
	120330004	1	1	1	1	3	1
	120570030	1	1	1	1	3	1
	120571075	1	1	1	1	3	1
	120710005	1	1	1	1	3	1
	120730012	1	0	1	1	2	.
	120814012	1	1	1	1	3	1
	120830003	1	1	1	1	3	1
	120951004	1	1	1	1	3	1
	120952002	1	1	0	1	2	.
	120990009	1	1	1	1	3	1
	120992003	1	1	0	1	2	.
	120992005	1	.	.	0	0	.
	121030018	1	1	1	1	3	1
	121031008	1	1	1	1	3	1
	121056006	1	1	1	1	3	1
	121111002	1	1	1	1	3	1
	121150013	1	1	1	1	3	1
	121171002	1	1	1	1	3	1
	121275002	1	1	1	1	3	1
GEORGIA	# SLAMS operated Q1 Q2 & Q3 2001= 23; # where Accuracy Reqr'd (All)= 23; # w/ Accuracy Data = 23; # w/ 3 Q Acc.= 0						
	130210007	1	1	1	0	2	.
	130210012	1	1	2	0	2	.
	130510017	1	1	1	0	2	.
	130510091	1	1	1	0	2	.
	130590001	1	1	2	0	2	.
	130630091	1	1	1	0	2	.
	130670003	1	0	1	0	1	.
	130890002	1	1	1	0	2	.
	130892001	1	1	1	0	2	.
	130950007	1	1	1	0	2	.
	131150005	1	1	1	0	2	.
	131210032	1	1	1	0	2	.
	131210039	1	1	1	0	2	.
	131211001	1	1	1	0	2	.
	131270006	1	1	1	0	2	.
	131390003	1	1	1	0	2	.
	132150001	1	1	1	0	2	.
	132150011	1	1	1	0	2	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	132230003	1	1	1	0	2	.
	132450005	1	4	2	0	2	.
	132450091	1	1	1	0	2	.
	133030001	1	1	1	0	2	.
	133190001	1	3	2	0	2	.
HAWAII	# SLAMS operated Q1 Q2 & Q3 2001= 5; # where Accuracy Reqrd (All)= 5; # w/ Accuracy Data = 5; # w/ 3 Q Acc.= 0						
	150030010	1	1	1	0	2	.
	150031001	1	1	1	0	2	.
	150031004	1	1	1	0	2	.
	150032004	1	1	1	0	2	.
	150090006	1	1	1	0	2	.
IDAHO	# SLAMS operated Q1 Q2 & Q3 2001= 8; # where Accuracy Reqrd (All)= 8; # w/ Accuracy Data = 7; # w/ 3 Q Acc.= 0						
	160010011	1	1	1	0	2	.
	160010017	1	1	1	0	2	.
	160050006	1	1	1	0	2	.
	160050015	1	1	1	0	2	.
	160210001	1	0	0	0	0	.
	160270004	1	1	1	0	2	.
	160270005	1	1	1	0	2	.
	160550006	2	1	1	0	2	.
ILLINOIS	# SLAMS operated Q1 Q2 & Q3 2001= 35; # where Accuracy Reqrd (All)= 35; # w/ Accuracy Data = 35; # w/ 3 Q Acc.= 31						
	170010006	1	1	1	1	3	1
	170190004	1	1	1	1	3	1
	170191001	1	1	1	1	3	1
	170310014	1	1	1	1	3	1
	170310022	1	1	1	1	3	1
	170310050	1	1	1	1	3	1
	170310052	1	1	1	1	3	1
	170310057	1	1	1	1	3	1
	170310076	1	1	1	1	3	1
	170311016	1	0	1	1	2	.
	170312001	1	1	1	1	3	1
	170313301	1	1	1	1	3	1
	170314007	1	1	1	1	3	1
	170314201	1	1	1	1	3	1
	170316005	1	1	1	1	3	1
	170434002	1	2	2	2	3	1
	170890003	1	0	1	1	2	.
	170971007	1	1	1	1	3	1
	170990007	1	1	1	1	3	1
	171110001	1	1	1	1	3	1
	171132002	1	1	1	1	3	1
	171150013	1	1	0	1	2	.
	171190023	1	1	1	1	3	1
	171191007	1	1	1	1	3	1
	171192009	1	1	1	1	3	1

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	171193007	1	1	1	1	3	1
	171430037	1	1	1	1	3	1
	171570001	1	1	1	1	3	1
	171613002	1	1	1	1	3	1
	171630010	1	1	0	0	1	.
	171634001	1	1	1	1	3	1
	171670012	1	1	1	1	3	1
	171971002	1	1	1	1	3	1
	171971011	1	1	1	1	3	1
	172010010	1	1	1	1	3	1
INDIANA	# SLAMS operated Q1 Q2 & Q3 2001= 40; # where Accuracy Reqrd (All)= 40; # w/ Accuracy Data = 39; # w/ 3 Q Acc.= 7						
	180030004	1	1	1	0	2	.
	180030014	1	1	1	0	2	.
	180030015	1	0	0	0	0	.
	180190005	1	1	1	0	2	.
	180350006	1	1	1	0	2	.
	180372001	1	0	1	0	1	.
	180390003	1	1	1	0	2	.
	180431004	1	1	1	0	2	.
	180650003	1	1	1	0	2	.
	180670003	1	1	1	0	2	.
	180830004	1	1	1	0	2	.
	180890006	1	1	1	0	2	.
	180890022	1	1	1	0	2	.
	180890026	1	1	1	0	2	.
	180890027	1	1	1	0	2	.
	180891003	1	1	1	0	2	.
	180891016	1	1	1	0	2	.
	180892004	1	1	1	0	2	.
	180892010	1	1	1	0	2	.
	180910011	1	1	1	0	2	.
	180910012	1	1	1	0	2	.
	180950009	1	1	1	0	2	.
	180970042	1	1	1	1	3	1
	180970043	1	1	1	1	3	1
	180970066	1	1	1	1	3	1
	180970078	1	1	1	1	3	1
	180970079	1	1	1	1	3	1
	180970081	1	1	1	1	3	1
	180970083	1	1	1	1	3	1
	181270020	1	1	1	0	2	.
	181270024	1	1	1	0	2	.
	181410014	1	1	1	0	2	.
	181411008	1	1	1	0	2	.
	181412004	1	1	1	0	2	.
	181570007	1	1	1	0	2	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	181630006	1	1	1	0	2	.
	181630012	1	1	1	0	2	.
	181630016	1	1	1	0	2	.
	181670018	1	0	1	0	1	.
	181670023	1	0	1	0	1	.
IOWA	# SLAMS operated Q1 Q2 & Q3 2001= 17; # where Accuracy Reqrd (All)= 17; # w/ Accuracy Data = 17; # w/ 3 Q Acc.= 17						
	190130008	1	1	1	1	3	1
	190330019	1	1	1	1	4	1
	190450021	1	1	1	1	4	1
	190630003	1	1	1	1	4	1
	191032001	1	1	1	1	4	1
	191130036	1	1	1	1	3	1
	191130037	1	1	1	1	3	1
	191390015	1	1	1	1	4	1
	191530059	2	1	1	1	3	1
	191532510	1	1	1	1	3	1
	191532520	1	1	1	1	3	1
	191550009	1	1	1	1	4	1
	191630015	2	1	1	1	4	1
	191630018	1	1	1	1	4	1
	191692530	1	1	1	1	3	1
	191770005	1	1	1	1	4	1
	191930017	1	1	1	1	4	1
KANSAS	# SLAMS operated Q1 Q2 & Q3 2001= 12; # where Accuracy Reqrd (All)= 12; # w/ Accuracy Data = 12; # w/ 3 Q Acc.= 12						
	200910007	1	1	1	1	3	1
	200910008	1	1	1	1	3	1
	200910009	1	1	1	1	3	1
	201070002	1	1	1	1	3	1
	201730008	1	1	1	1	3	1
	201730009	1	1	1	1	3	1
	201730010	1	1	1	1	3	1
	201770010	1	1	1	1	3	1
	201770011	1	1	1	1	3	1
	201910002	1	1	1	1	3	1
	202090021	1	1	1	1	3	1
	202090022	1	1	1	1	3	1
KENTUCKY	# SLAMS operated Q1 Q2 & Q3 2001= 19; # where Accuracy Reqrd (All)= 19; # w/ Accuracy Data = 20; # w/ 3 Q Acc.= 17						
	210190017	1	1	1	1	3	1
	210290006	1	1	1	1	3	1
	210370003	1	1	1	1	3	1
	210430500	1	1	1	1	3	1
	210470006	1	1	1	1	3	1
	210590014	1	1	1	1	3	1
	210670012	1	1	1	1	3	1
	210670014	1	1	1	1	3	1
	210730006	1	0	1	1	2	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	210930006	1	0	1	1	2	.
	211010006	1	1	1	1	3	1
	211110043	1	1	.	.	1	.
	211110044	1	2	1	1	3	1
	211110048	1	2	1	1	3	1
	211111041	1	2	1	1	3	1
	211170007	1	1	1	1	3	1
	211451004	1	1	1	1	3	1
	211510003	1	1	1	1	3	1
	211950002	1	1	1	1	3	1
	212270007	1	1	1	1	3	1
LOUISIANA	# SLAMS operated Q1 Q2 & Q3 2001= 21; # where Accuracy Reqr'd (All)= 21; # w/ Accuracy Data = 21; # w/ 3 Q Acc.= 21						
	220171002	1	1	1	1	3	1
	220190009	1	1	1	1	3	1
	220190010	1	1	1	1	3	1
	220290002	1	1	1	1	3	1
	220330002	1	1	1	1	3	1
	220330009	1	1	1	1	3	1
	220331001	1	2	1	1	3	1
	220470005	1	1	1	1	3	1
	220470009	1	1	1	1	3	1
	220511001	1	1	1	1	3	1
	220512001	1	1	1	1	3	1
	220550005	1	1	1	1	3	1
	220550006	1	1	1	1	3	1
	220710010	1	1	1	1	3	1
	220710012	1	1	1	1	3	1
	220730004	1	1	1	1	3	1
	220790001	1	1	1	1	3	1
	220870004	1	1	1	1	3	1
	221050001	1	1	1	1	3	1
	221090001	1	1	1	1	3	1
	221210001	1	1	1	1	3	1
MAINE	# SLAMS operated Q1 Q2 & Q3 2001= 5; # where Accuracy Reqr'd (All)= 5; # w/ Accuracy Data = 3; # w/ 3 Q Acc.= 0						
	230030013	1	0	0	0	0	.
	230031011	1	0	0	0	0	.
	230050027	1	2	1	0	2	.
	230090103	1	0	1	0	1	.
	230190002	1	0	1	0	1	.
MARYLAND	# SLAMS operated Q1 Q2 & Q3 2001= 18; # where Accuracy Reqr'd (All)= 18; # w/ Accuracy Data = 4; # w/ 3 Q Acc.= 0						
	240030014	1	0	0	1	1	.
	240030019	1	0	0	0	0	.
	240031003	1	0	1	1	2	.
	240032002	1	0	0	0	0	.
	240051007	1	0	1	1	2	.
	240053001	1	0	0	0	0	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	240150003	1	0	0	0	0	.
	240251001	1	0	0	0	0	.
	240313001	1	0	0	0	0	.
	240330001	1	0	0	0	0	.
	240338001	1	0	0	0	0	.
	240430009	1	0	0	0	0	.
	245100006	1	0	0	0	0	.
	245100007	1	0	0	0	0	.
	245100008	1	.	0	0	0	.
	245100035	1	0	0	0	0	.
	245100040	1	0	0	0	0	.
	245100049	1	1	0	1	2	.
	245100052	1	0	0	0	0	.
MASSACHU	# SLAMS operated Q1 Q2 & Q3 2001= 20; # where Accuracy Reqr'd (All)= 20; # w/ Accuracy Data = 18; # w/ 3 Q Acc.= 0						
	250035001	1	0	1	0	1	.
	250052004	1	1	2	0	2	.
	250053001	1	1	2	0	2	.
	250092006	1	0	1	0	1	.
	250095005	1	0	1	0	1	.
	250096001	1	1	1	0	2	.
	250130008	1	0	1	0	1	.
	250130016	1	0	1	0	1	.
	250154002	1	0	1	0	1	.
	250170008	1	0	0	0	0	.
	250171102	1	0	1	0	1	.
	250210007	1	0	0	0	0	.
	250230004	1	0	1	0	1	.
	250250002	1	0	1	0	1	.
	250250027	1	1	2	0	2	.
	250250042	1	0	2	0	1	.
	250250043	1	0	1	0	1	.
	250270016	1	0	2	0	1	.
	250270020	1	1	1	0	2	.
	250272004	1	0	1	0	1	.
MICHIGAN	# SLAMS operated Q1 Q2 & Q3 2001= 26; # where Accuracy Reqr'd (All)= 26; # w/ Accuracy Data = 26; # w/ 3 Q Acc.= 0						
	260050003	1	1	1	0	2	.
	260070005	1	1	1	0	2	.
	260170014	1	1	1	0	2	.
	260210014	1	1	1	0	2	.
	260330901	2	1	1	0	2	.
	260490021	1	1	1	0	2	.
	260550003	1	1	1	0	2	.
	260650012	1	1	1	0	2	.
	260770008	1	1	1	0	2	.
	260810020	1	1	1	0	2	.
	260990009	1	1	1	0	2	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	261150005	1	1	1	0	2	.
	261210040	1	1	1	0	2	.
	261250001	1	1	1	0	2	.
	261390005	1	1	1	0	2	.
	261450018	1	1	1	0	2	.
	261470005	2	1	1	0	2	.
	261610005	1	1	1	0	2	.
	261610008	1	1	1	0	2	.
	261630001	1	1	1	0	2	.
	261630015	1	1	1	0	2	.
	261630016	1	1	1	0	2	.
	261630019	1	1	1	0	2	.
	261630025	1	1	1	0	2	.
	261630033	1	1	1	0	2	.
	261630036	1	1	1	0	2	.
MINNESOTA	# SLAMS operated Q1 Q2 & Q3 2001= 16; # where Accuracy Reqrd (All)= 16; # w/ Accuracy Data = 14; # w/ 3 Q Acc.= 10						
	270376018	1	1	1	1	3	1
	270530960	1	0	.	.	0	.
	270530961	1	1	1	1	3	1
	270530963	1	0	0	0	0	.
	270531007	1	0	1	1	2	.
	270532006	1	1	0	1	2	.
	270953051	1	1	1	1	3	1
	271095008	1	1	1	1	3	1
	271230866	1	1	1	1	3	1
	271230868	1	0	0	0	0	.
	271230871	1	1	1	1	3	1
	271230872	1	1	1	1	3	1
	271377001	1	1	0	1	2	.
	271377550	1	1	1	1	3	1
	271377551	1	1	1	1	3	1
	271390505	1	0	1	1	2	.
	271453052	1	1	1	1	3	1
MISSISSIPPI	# SLAMS operated Q1 Q2 & Q3 2001= 16; # where Accuracy Reqrd (All)= 16; # w/ Accuracy Data = 16; # w/ 3 Q Acc.= 16						
	280010004	1	1	1	1	3	1
	280110001	1	1	1	1	3	1
	280330002	1	1	1	1	3	1
	280350004	1	1	1	1	3	1
	280470008	1	1	1	1	3	1
	280490010	1	1	1	1	3	1
	280490018	1	1	1	1	3	1
	280590006	1	1	1	1	3	1
	280670002	1	1	1	1	3	1
	280750003	1	1	1	1	3	1
	280810005	1	1	1	1	3	1
	280870001	1	1	1	1	3	1

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	281090001	1	1	1	1	3	1
	281210001	1	1	1	1	3	1
	281230001	1	1	1	1	3	1
	281490004	1	1	1	1	3	1
MISSOURI	# SLAMS operated Q1 Q2 & Q3 2001= 17; # where Accuracy Reqrd (All)= 17; # w/ Accuracy Data = 19; # w/ 3 Q Acc.= 7						
	290210010	1	1	1	0	2	.
	290370003	1	1	1	1	3	1
	290390001	1	1	1	0	2	.
	290470005	1	1	1	0	2	.
	290470026	1	1	1	0	2	.
	290470041	1	1	1	0	2	.
	290770032	1	2	2	0	2	.
	290910003	1	1	.	.	1	.
	290950037	1	1	1	1	3	1
	290952002	1	1	1	1	3	1
	290990012	1	1	1	0	2	.
	291831002	1	1	1	0	2	.
	291860006	1	1	1	0	2	.
	291890004	1	.	1	1	2	.
	291892003	1	2	2	1	3	1
	291895001	1	1	1	0	2	.
	295100007	1	1	1	1	3	1
	295100085	1	1	1	1	3	1
	295100086	1	1	1	1	3	1
MONTANA	# SLAMS operated Q1 Q2 & Q3 2001= 6; # where Accuracy Reqrd (All)= 6; # w/ Accuracy Data = 7; # w/ 3 Q Acc.= 0						
	300131026	1	1	1	0	2	.
	300290039	1	1	0	.	1	.
	300290047	1	1	1	0	2	.
	300530018	1	1	1	0	2	.
	300630024	1	1	1	0	2	.
	300810001	1	1	1	0	2	.
	301111065	1	1	1	0	2	.
NEBRASKA	# SLAMS operated Q1 Q2 & Q3 2001= 13; # where Accuracy Reqrd (All)= 13; # w/ Accuracy Data = 13; # w/ 3 Q Acc.= 8						
	310250002	1	1	1	1	3	1
	310270001	1	1	1	1	3	1
	310310001	1	1	2	1	3	1
	310490001	1	1	1	1	3	1
	310550019	1	0	1	1	2	.
	310550051	1	0	2	1	2	.
	310550052	1	0	1	1	2	.
	310790003	1	1	1	1	3	1
	311090022	1	0	1	1	2	.
	311111002	1	1	1	1	3	1
	311530007	1	0	1	1	2	.
	311570003	1	1	1	1	3	1
	311770002	1	1	1	1	3	1

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
NEVADA	# SLAMS operated Q1 Q2 & Q3 2001= 8; # where Accuracy Reqrd (All)= 8; # w/ Accuracy Data = 3; # w/ 3 Q Acc.= 1						
	320030022	1	0	0	0	0	.
	320030298	1	0	0	0	0	.
	320030560	1	0	0	0	0	.
	320031019	1	0	0	0	0	.
	320032002	1	0	0	0	0	.
	320050008	1	0	0	1	1	.
	320310016	1	1	1	1	3	1
	320312002	1	0	0	1	1	.
NEW HAMPSHIRE	# SLAMS operated Q1 Q2 & Q3 2001= 7; # where Accuracy Reqrd (All)= 7; # w/ Accuracy Data = 0; # w/ 3 Q Acc.= 0						
	330012004	1	.	0	0	0	.
	330050007	1	0	0	0	0	.
	330070014	1	0	0	0	0	.
	330110019	1	0	.	.	0	.
	330110020	1	.	0	0	0	.
	330111007	1	0	0	0	0	.
	330130003	1	0	0	0	0	.
	330135001	1	0	0	0	0	.
	330150009	1	0	0	0	0	.
	330190003	1	0	0	0	0	.
NEW JERSEY	# SLAMS operated Q1 Q2 & Q3 2001= 19; # where Accuracy Reqrd (All)= 19; # w/ Accuracy Data = 16; # w/ 3 Q Acc.= 0						
	340030003	1	2	2	0	2	.
	340070003	1	1	2	0	2	.
	340071007	1	1	0	0	1	.
	340130011	1	0	0	0	0	.
	340130015	1	4	3	0	2	.
	340155001	1	1	2	0	2	.
	340171003	1	0	0	0	0	.
	340172002	1	0	0	0	0	.
	340210008	1	2	2	0	2	.
	340218001	1	0	3	0	1	.
	340230006	1	4	3	0	2	.
	340270004	1	2	2	0	2	.
	340273001	1	3	3	0	2	.
	340292002	1	1	3	0	2	.
	340310005	1	0	1	0	1	.
	340390004	1	0	3	0	1	.
	340390006	1	2	3	0	2	.
	340392003	1	1	0	0	1	.
	340410006	1	2	1	0	2	.
NEW MEXICO	# SLAMS operated Q1 Q2 & Q3 2001= 3; # where Accuracy Reqrd (All)= 3; # w/ Accuracy Data = 2; # w/ 3 Q Acc.= 1						
	350010023	1	1	1	1	3	1
	350010024	1	0	1	1	2	.
	350010027	1	0	0	0	0	.
NEW YORK	# SLAMS operated Q1 Q2 & Q3 2001= 49; # where Accuracy Reqrd (All)= 49; # w/ Accuracy Data = 40; # w/ 3 Q Acc.= 0						
	360010005	1	1	0	0	1	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	360010012	1	1	0	0	1	.
	360050080	1	1	0	0	1	.
	360050083	1	1	0	0	1	.
	360050110	1	1	0	0	1	.
	360070009	1	1	0	0	1	.
	360130011	1	2	0	0	1	.
	360271004	1	1	0	0	1	.
	360290002	1	1	0	0	1	.
	360290005	1	1	0	0	1	.
	360291007	1	1	0	0	1	.
	360310003	1	1	0	0	1	.
	360470011	1	0	0	0	0	.
	360470052	1	1	0	0	1	.
	360470076	1	1	0	0	1	.
	360470118	1	0	0	0	0	.
	360470121	1	0	0	0	0	.
	360470122	1	2	0	0	1	.
	360552002	1	1	0	0	1	.
	360556001	1	1	0	0	1	.
	360590005	1	0	0	0	0	.
	360590008	1	1	0	0	1	.
	360590011	1	0	0	0	0	.
	360590012	1	1	0	0	1	.
	360590013	1	1	0	0	1	.
	360610010	1	1	0	.	1	.
	360610056	1	2	0	0	1	.
	360610062	1	1	0	0	1	.
	360610079	1	1	0	0	1	.
	360610115	1	0	0	0	0	.
	360610117	1	0	0	0	0	.
	360610119	1	0	0	0	0	.
	360632008	1	1	0	0	1	.
	360652001	1	0	0	0	0	.
	360670019	1	1	0	0	1	.
	360670020	1	1	0	0	1	.
	360671015	1	1	0	0	1	.
	360710002	1	2	0	0	1	.
	360810094	2	1	0	0	1	.
	360810096	1	1	0	0	1	.
	360810097	1	1	0	0	1	.
	360810116	1	0	0	0	0	.
	360810124	1	1	0	0	1	.
	360850055	1	1	0	0	1	.
	360850067	1	1	0	0	1	.
	360893001	1	1	0	0	1	.
	360930003	1	1	0	0	1	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	361010003	1	1	0	0	1	.
	361030001	1	1	0	0	1	.
	361191002	1	1	0	0	1	.
NORTH CAR	# SLAMS operated Q1 Q2 & Q3 2001= 27; # where Accuracy Reqrd (All)= 27; # w/ Accuracy Data = 28; # w/ 3 Q Acc.= 5						
	370010002	1	1	0	1	2	.
	370210034	1	1	0	1	2	.
	370350004	1	1	0	1	2	.
	370370004	1	1	0	1	2	.
	370510009	1	1	0	2	2	.
	370610002	1	1	0	1	2	.
	370630001	1	1	0	1	2	.
	370650003	1	0	0	1	1	.
	370670022	1	1	1	1	3	1
	370670024	1	1	1	1	3	1
	370710016	1	1	0	1	2	.
	370810009	1	1	0	1	2	.
	370811005	1	2	0	.	1	.
	370870010	1	1	0	1	2	.
	371190010	1	1	1	1	3	1
	371190041	1	1	1	1	3	1
	371190042	1	2	1	1	3	1
	371210001	1	1	0	1	2	.
	371290009	1	1	0	1	2	.
	371330005	1	1	0	1	2	.
	371350007	1	1	0	1	2	.
	371390002	1	1	0	1	2	.
	371470005	1	1	0	1	2	.
	371550005	1	1	0	1	2	.
	371730002	1	1	0	1	2	.
	371830014	1	1	0	1	2	.
	371830015	1	1	0	1	2	.
	371910005	1	1	0	1	2	.
NORTH DAK	# SLAMS operated Q1 Q2 & Q3 2001= 7; # where Accuracy Reqrd (All)= 7; # w/ Accuracy Data = 7; # w/ 3 Q Acc.= 7						
	380070002	1	1	1	1	3	1
	380150003	1	1	1	1	3	1
	380171004	1	1	1	1	3	1
	380350004	1	1	1	1	3	1
	380570004	1	1	1	1	3	1
	380890002	1	1	1	1	3	1
	380910001	1	1	1	1	3	1
OHIO	# SLAMS operated Q1 Q2 & Q3 2001= 44; # where Accuracy Reqrd (All)= 44; # w/ Accuracy Data = 39; # w/ 3 Q Acc.= 0						
	390090003	1	0	0	0	0	.
	390170003	1	1	1	0	2	.
	390170016	1	1	1	0	2	.
	390170017	1	1	1	0	2	.
	390230005	1	1	1	0	2	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	390350013	1	1	1	0	2	.
	390350027	1	1	1	0	2	.
	390350034	1	1	1	0	2	.
	390350038	1	1	0	0	1	.
	390350045	1	1	1	0	2	.
	390350060	1	2	0	0	1	.
	390350065	1	1	1	0	2	.
	390350066	1	1	1	0	2	.
	390351002	1	1	1	0	2	.
	390490024	1	0	1	0	1	.
	390490025	1	0	2	0	1	.
	390490081	1	0	1	0	1	.
	390610014	1	1	1	0	2	.
	390610040	1	1	1	0	2	.
	390610041	1	1	1	0	2	.
	390610042	1	1	1	0	2	.
	390610043	1	1	1	0	2	.
	390617001	1	1	1	0	2	.
	390618001	1	1	1	0	2	.
	390810016	1	0	0	0	0	.
	390811001	1	0	0	0	0	.
	390851001	1	1	1	0	2	.
	390870010	1	1	1	0	2	.
	390930016	1	0	0	0	0	.
	390932003	1	0	0	0	0	.
	390950024	1	0	0	1	1	.
	390950025	1	0	0	1	1	.
	390950026	1	0	0	1	1	.
	390990005	1	2	0	0	1	.
	391130014	1	1	0	0	1	.
	391130031	1	1	1	0	2	.
	391330002	1	1	1	0	2	.
	391351001	1	1	1	0	2	.
	391450013	1	2	0	0	1	.
	391510017	1	0	2	0	1	.
	391510020	1	0	1	0	1	.
	391530017	1	1	0	0	1	.
	391530023	1	1	1	0	2	.
	391550007	1	1	1	0	2	.
OKLAHOMA	# SLAMS operated Q1 Q2 & Q3 2001= 5; # where Accuracy Reqrd (All)= 5; # w/ Accuracy Data = 5; # w/ 3 Q Acc.= 0						
	400190295	1	1	0	1	2	.
	401210415	1	1	0	1	2	.
	401430110	1	1	0	1	2	.
	401430131	1	1	0	1	2	.
	401431127	1	1	0	1	2	.
OREGON	# SLAMS operated Q1 Q2 & Q3 2001= 23; # where Accuracy Reqrd (All)= 23; # w/ Accuracy Data = 23; # w/ 3 Q Acc.= 0						

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	410030013	1	1	1	0	2	.
	410170113	1	0	.	.	0	.
	410170120	1	0	1	0	1	.
	410250002	1	1	1	0	2	.
	410290133	1	1	1	0	2	.
	410330107	1	1	1	0	2	.
	410350004	1	1	1	0	2	.
	410370001	1	1	1	0	2	.
	410390060	1	1	1	0	2	.
	410391007	1	1	1	0	2	.
	410391061	1	1	1	0	2	.
	410392013	1	1	1	0	2	.
	410430009	1	1	1	0	2	.
	410470040	1	1	1	0	2	.
	410470110	1	1	1	0	2	.
	410510080	1	1	1	0	2	.
	410510244	1	1	1	0	2	.
	410510246	1	1	1	0	2	.
	410590121	1	1	1	0	2	.
	410610117	1	1	1	0	2	.
	410619103	1	1	1	0	2	.
	410650007	1	1	1	0	2	.
	410670111	1	1	1	0	2	.
	410671003	1	1	1	0	2	.

PENNSYLVANIA # SLAMS operated Q1 Q2 & Q3 2001= 37; # where Accuracy Reqrd (All)= 37; # w/ Accuracy Data = 37; # w/ 3 Q Acc.= 22

	420010001	1	1	1	1	4	1
	420030008	1	4	5	0	2	.
	420030021	1	3	3	0	2	.
	420030064	1	6	3	0	2	.
	420030067	1	3	2	0	2	.
	420030116	1	3	3	0	2	.
	420030131	1	2	4	0	2	.
	420031008	1	3	3	0	2	.
	420031301	1	3	3	0	2	.
	420070014	1	1	1	1	4	1
	420110009	1	1	1	1	4	1
	420170012	1	1	1	1	4	1
	420210011	1	1	1	1	4	1
	420270100	1	1	1	1	4	1
	420410100	1	1	0	0	1	.
	420410101	1	0	1	1	3	.
	420430401	1	1	1	1	4	1
	420450002	1	1	1	1	4	1
	420490003	1	1	1	1	4	1
	420692006	1	1	1	1	4	1
	420710007	1	1	1	1	4	1

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	420770004	1	1	1	1	4	1
	420791101	1	1	1	1	4	1
	420850100	1	1	1	1	4	1
	420910013	1	1	1	1	4	1
	420950025	1	1	1	1	4	1
	420990301	1	1	1	1	4	1
	421010004	1	0	1	1	2	.
	421010020	1	0	1	1	2	.
	421010024	1	0	1	1	2	.
	421010047	1	0	0	1	1	.
	421010136	1	0	1	1	2	.
	421250005	1	1	1	1	4	1
	421250200	1	1	1	1	4	1
	421255001	1	1	1	1	4	1
	421290008	1	1	1	1	4	1
	421330008	1	1	1	1	4	1
PUERTO RI # SLAMS operated Q1 Q2 & Q3 2001= 10; # where Accuracy Reqrd (All)= 10; # w/ Accuracy Data = 0; # w/ 3 Q Acc.= 0							
	720210009	1	0	0	0	0	.
	720530003	1	0	0	0	0	.
	720570008	1	0	0	0	0	.
	720590016	1	0	0	0	0	.
	720610005	1	0	0	0	0	.
	720690001	1	0	0	0	0	.
	720810001	1	0	0	0	0	.
	720970003	1	0	0	0	0	.
	721130004	1	0	0	0	0	.
	721270003	1	0	0	0	0	.
RHODE ISL # SLAMS operated Q1 Q2 & Q3 2001= 6; # where Accuracy Reqrd (All)= 6; # w/ Accuracy Data = 0; # w/ 3 Q Acc.= 0							
	440030002	1	0	0	0	0	.
	440070022	1	0	0	0	0	.
	440070023	1	0	0	0	0	.
	440071005	1	0	0	0	0	.
	440071010	1	0	0	0	0	.
	440090007	1	0	0	0	0	.
SOUTH CAR # SLAMS operated Q1 Q2 & Q3 2001= 14; # where Accuracy Reqrd (All)= 14; # w/ Accuracy Data = 15; # w/ 3 Q Acc.= 14							
	450130007	1	6	7	6	4	1
	450190046	1	7	5	6	4	1
	450190048	1	6	5	8	4	1
	450190049	1	6	5	6	4	1
	450370001	1	7	6	6	4	1
	450410002	1	5	6	6	4	1
	450450008	1	0	0	4	2	.
	450450009	1	6	6	7	4	1
	450470003	1	5	7	6	4	1
	450510002	1	6	7	4	4	1
	450630008	1	6	6	7	4	1

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	450730001	1	6	6	7	4	1
	450790007	1	5	6	7	4	1
	450790019	1	6	7	7	4	1
	450830010	1	6	6	6	4	1
SOUTH DAK	# SLAMS operated Q1 Q2 & Q3 2001= 10; # where Accuracy Reqrd (All)= 10; # w/ Accuracy Data = 0; # w/ 3 Q Acc.= 0						
	460110002	1	0	0	0	0	.
	460130003	1	0	0	0	0	.
	460710001	1	0	0	0	0	.
	460930001	1	0	0	0	0	.
	460990006	1	0	0	0	0	.
	460990007	1	0	0	0	0	.
	461030016	1	0	0	0	0	.
	461030017	1	0	0	0	0	.
	461030019	1	0	0	0	0	.
	461031001	1	0	0	0	0	.
TENNESSEE	# SLAMS operated Q1 Q2 & Q3 2001= 17; # where Accuracy Reqrd (All)= 17; # w/ Accuracy Data = 17; # w/ 3 Q Acc.= 10						
	470370023	1	1	0	1	2	.
	470370025	1	1	0	1	2	.
	470370036	1	0	0	1	1	.
	470450004	1	1	1	1	3	1
	470654002	1	0	1	1	3	.
	470930028	1	1	1	1	3	1
	470931017	1	2	1	2	3	1
	470931020	1	1	1	1	3	1
	470990002	1	1	1	1	3	1
	471130004	1	1	1	1	3	1
	471251009	1	1	1	1	3	1
	471570014	1	0	0	1	1	.
	471570038	1	1	0	1	2	.
	471570047	1	1	1	1	3	1
	471571004	1	0	0	1	1	.
	471631007	1	1	1	1	3	1
	471650007	1	1	1	1	3	1
TEXAS	# SLAMS operated Q1 Q2 & Q3 2001= 52; # where Accuracy Reqrd (All)= 52; # w/ Accuracy Data = 52; # w/ 3 Q Acc.= 40						
	480290034	2	0	0	0	0	.
	480290052	1	1	1	2	3	1
	480290053	1	1	1	2	3	1
	480290060	1	1	1	2	3	1
	480370004	1	1	1	1	3	1
	480391003	1	1	0	1	2	.
	480550062	1	1	1	2	3	1
	480612002	1	1	1	1	3	1
	480850005	1	1	1	1	3	1
	481130020	1	1	1	1	3	1
	481130035	1	1	1	1	3	1
	481130050	1	1	1	1	3	1

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	481130057	1	1	1	1	3	1
	481130069	1	1	1	0	2	.
	481130087	1	1	1	1	3	1
	481350003	1	1	1	2	3	1
	481410002	1	1	1	1	3	1
	481410010	1	1	1	1	3	1
	481410037	1	1	1	2	3	1
	481410038	1	1	1	1	3	1
	481410044	1	1	1	2	3	1
	481410045	1	1	1	1	3	1
	481410057	1	1	1	1	3	1
	481670053	1	1	1	1	3	1
	481671005	1	1	1	1	3	1
	481830001	1	1	1	1	3	1
	482010024	1	0	1	0	1	.
	482010026	5	1	0	0	1	.
	482010051	1	1	1	1	3	1
	482010058	1	1	1	1	3	1
	482010062	1	1	1	1	3	1
	482010075	1	.	1	1	2	.
	482011035	1	1	1	2	3	1
	482011037	1	1	0	0	1	.
	482150042	1	1	1	1	3	1
	482150043	1	1	1	1	3	1
	482450021	1	1	1	1	3	1
	482450022	5	1	1	0	2	.
	483030001	1	1	1	2	3	1
	483091002	1	1	0	1	2	.
	483150050	1	1	1	0	2	.
	483390089	1	0	0	0	0	.
	483550020	1	1	1	1	3	1
	483550032	1	1	1	1	3	1
	483611001	1	1	1	2	3	1
	483750005	1	0	0	1	1	.
	484390063	1	1	1	1	3	1
	484391002	1	1	1	1	3	1
	484391003	1	1	0	0	1	.
	484391006	1	.	0	1	1	.
	484393006	1	1	1	1	3	1
	484530020	1	1	1	1	3	1
	484530021	1	1	1	1	3	1
	484790016	1	1	1	1	3	1
UTAH	# SLAMS operated Q1 Q2 & Q3 2001= 15; # where Accuracy Reqr'd (All)= 15; # w/ Accuracy Data = 15; # w/ 3 Q Acc.= 0						
	490030003	1	3	0	0	1	.
	490050004	1	4	3	0	2	.
	490110001	1	3	5	0	2	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	490350003	1	3	3	0	2	.
	490350012	1	3	3	0	2	.
	490353003	1	3	3	0	2	.
	490353006	1	4	3	0	2	.
	490353007	1	5	3	0	2	.
	490450002	1	3	3	0	2	.
	490490002	1	4	3	0	2	.
	490494001	1	4	3	0	2	.
	490495008	1	3	3	0	2	.
	490495010	1	4	3	0	2	.
	490570007	1	3	3	0	2	.
	490571003	1	4	2	0	2	.
VERMONT	# SLAMS operated Q1 Q2 & Q3 2001= 3; # where Accuracy Reqrd (All)= 3; # w/ Accuracy Data = 3; # w/ 3 Q Acc.= 3						
	500030005	1	1	1	1	3	1
	500070007	1	1	1	1	3	1
	500210002	1	1	1	1	3	1
VIRGIN ISLA	# SLAMS operated Q1 Q2 & Q3 2001= 2; # where Accuracy Reqrd (All)= 2; # w/ Accuracy Data = 0; # w/ 3 Q Acc.= 0						
	780010012	1	0	0	0	0	.
	780050009	1	0	0	0	0	.
VIRGINIA	# SLAMS operated Q1 Q2 & Q3 2001= 20; # where Accuracy Reqrd (All)= 20; # w/ Accuracy Data = 20; # w/ 3 Q Acc.= 19						
	510130020	1	1	1	1	3	1
	510360002	1	1	1	1	3	1
	510410003	1	1	1	1	3	1
	510590030	1	1	1	1	3	1
	510591004	1	1	1	0	2	.
	510595001	1	1	1	1	3	1
	510870014	1	1	1	1	3	1
	510870015	1	1	1	1	3	1
	511071005	1	1	1	1	3	1
	511390004	1	1	2	1	3	1
	515200006	1	1	1	1	3	1
	515500012	1	1	1	1	3	1
	516500004	1	1	2	1	3	1
	516800014	1	1	1	1	3	1
	517000013	1	1	1	1	3	1
	517100024	1	1	1	1	3	1
	517600020	1	1	1	1	3	1
	517700014	1	1	1	1	3	1
	517750010	1	1	1	1	3	1
	518100008	1	1	1	1	3	1
WASHINGTON	# SLAMS operated Q1 Q2 & Q3 2001= 20; # where Accuracy Reqrd (All)= 20; # w/ Accuracy Data = 20; # w/ 3 Q Acc.= 0						
	530050002	1	1	1	0	2	.
	530110013	1	1	1	0	2	.
	530330017	1	2	1	0	2	.
	530330021	1	1	1	0	2	.
	530330024	1	1	1	0	2	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	530330027	1	1	1	0	2	.
	530330037	1	1	1	0	2	.
	530330057	1	1	1	0	2	.
	530330080	1	1	1	0	2	.
	530332004	1	1	1	0	2	.
	530530029	1	1	1	0	2	.
	530530031	1	1	1	0	2	.
	530531018	1	1	1	0	2	.
	530610005	1	1	1	0	2	.
	530611007	1	1	1	0	2	.
	530630016	1	1	1	0	2	.
	530630047	1	1	1	0	2	.
	530670013	1	1	1	0	2	.
	530730015	1	1	1	0	2	.
	530770009	1	1	1	0	2	.
WEST VIRGI	# SLAMS operated Q1 Q2 & Q3 2001= 11; # where Accuracy Reqr'd (All)= 11; # w/ Accuracy Data = 11; # w/ 3 Q Acc.= 11						
	540030003	1	3	3	3	3	1
	540090005	1	3	3	3	3	1
	540110006	1	5	3	3	3	1
	540290011	1	3	3	3	3	1
	540291004	1	3	3	3	3	1
	540390010	1	3	3	3	3	1
	540391005	1	4	3	2	3	1
	540511002	1	3	3	3	3	1
	540610003	1	3	3	2	3	1
	540690008	1	3	3	3	3	1
	541071002	1	3	3	3	3	1
WISCONSIN	# SLAMS operated Q1 Q2 & Q3 2001= 22; # where Accuracy Reqr'd (All)= 22; # w/ Accuracy Data = 22; # w/ 3 Q Acc.= 0						
	550090005	1	0	1	0	1	.
	550090026	1	0	1	0	1	.
	550090028	1	0	1	0	1	.
	550250025	1	0	1	0	1	.
	550290004	1	0	1	0	1	.
	550310025	1	0	1	0	1	.
	550590019	3	0	1	0	1	.
	550710007	1	0	1	0	1	.
	550790010	2	0	1	0	1	.
	550790026	1	0	1	0	1	.
	550790043	1	0	1	0	1	.
	550790050	1	0	1	0	1	.
	550790051	1	0	1	0	1	.
	550790059	2	0	1	0	1	.
	550790099	1	0	1	0	1	.
	550870009	1	0	1	0	1	.
	550890008	1	0	1	0	1	.
	551050002	1	0	1	0	1	.

2001PM2.5 Data Completeness, SLAMS Accuracy (as of AIRS 1/2/02)

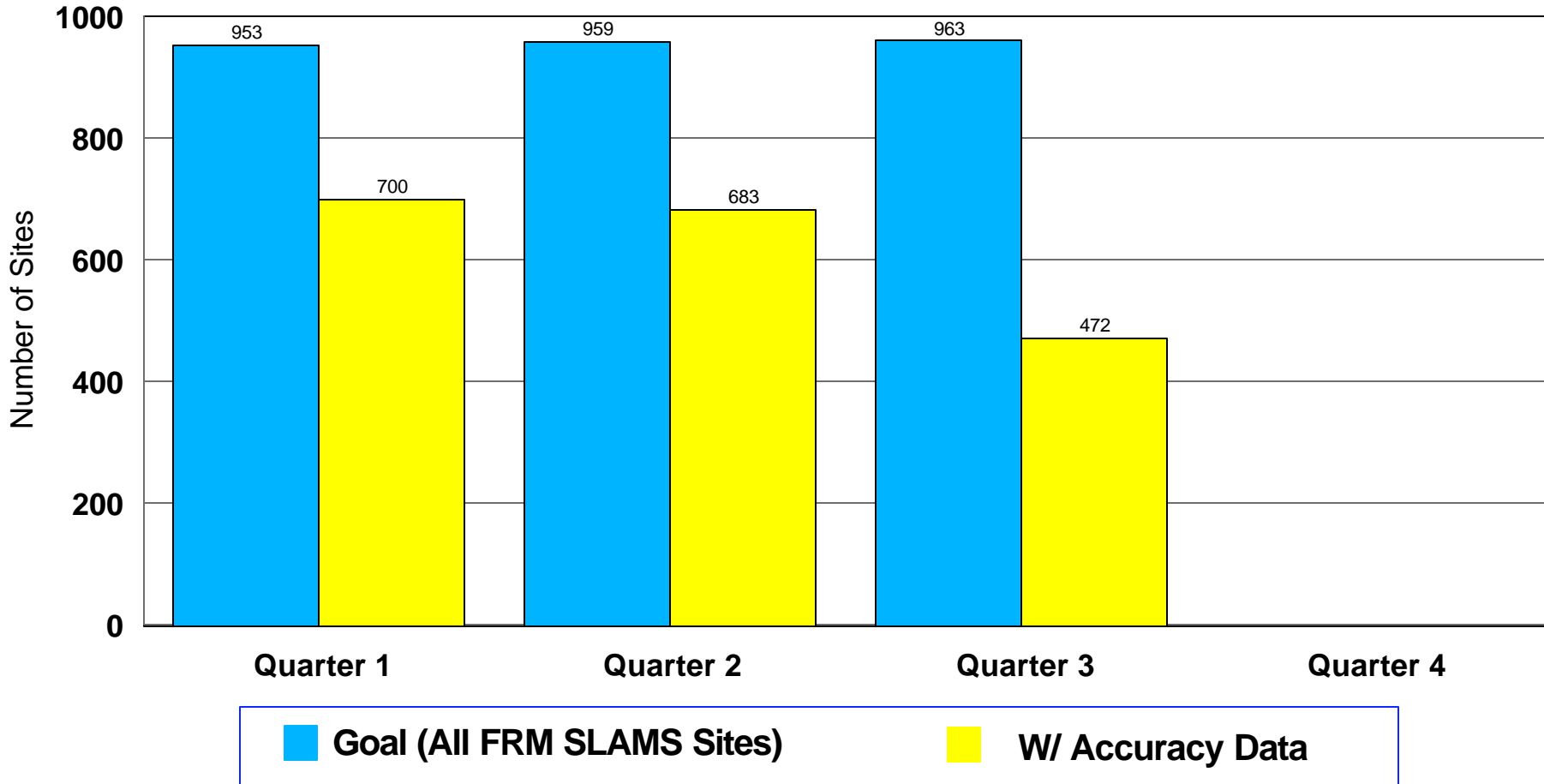
STATE	SITE	POC	# of Accuracy Records			# Q's w/ Accuracy	Accuracy in All 3 Q's
			Q1	Q2	Q3		
	551330027	2	0	1	0	1	.
	551330034	1	0	1	0	1	.
	551390011	1	0	1	0	1	.
	551410016	1	0	1	0	1	.
WYOMING	# SLAMS operated Q1 Q2 & Q3 2001= 4; # where Accuracy Reqrd (All)= 4; # w/ Accuracy Data = 0; # w/ 3 Q Acc.= 0						
	560131004	1	0	0	0	0	.
	560210001	1	0	0	0	0	.
	560330001	1	0	0	0	0	.
	560330002	1	0	0	0	0	.
	560390006	1	.	.	0	0	.

Attachment IIIB. Accuracy Completeness Plots

Completeness - Accuracy

Data Capture by Quarter, 2001

[1/2/02 AIRS Extraction]

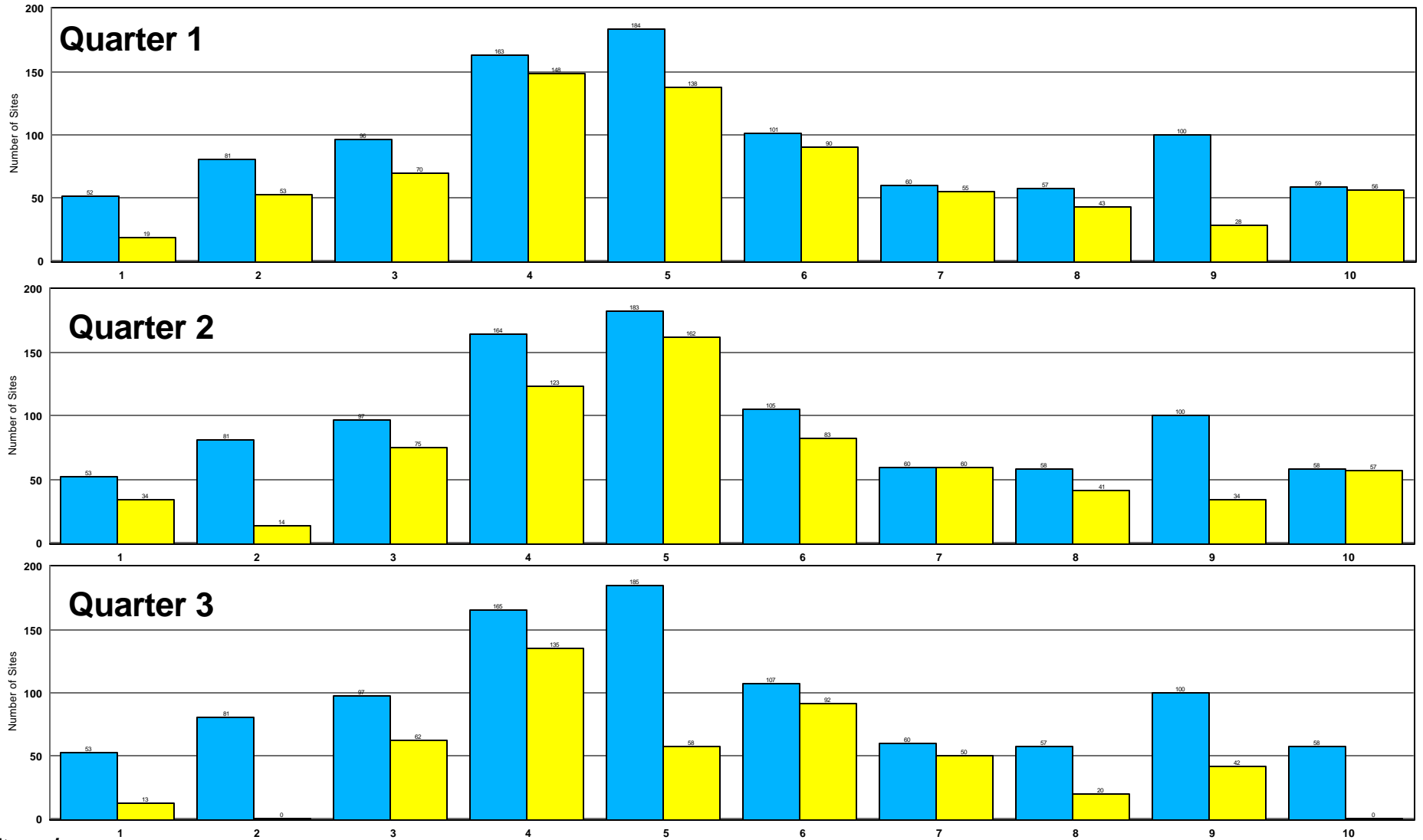


- 943 FRM SLAMS operated in Q1, Q2, and Q3 of 2001
- Precision required at all sites; completeness goal = 943 sites
- 353 sites (37% of goal) have 3 quarters (Q1, Q2, & Q3) of Accuracy data

Completeness - Accuracy

Data Capture by Region, 2001 Qtr1-Qtr3

[1/2/02 AIRS Extraction]



of sites w/
2 Q's of
Accuracy

13	0	52	94	48	68	44	20	14	0
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■ Goal (All FRM SLAMS Sites)

■ W/ Accuracy Data

Attachment IIIC

Accuracy Summaries by:

S	Annual flow rate summaries for CY2000	Page 1
S	Quarterly summaries	Page 2
S	Site/Days exceeding 4% flow rate check	Page 3 - 6
S	Site/Days with at least one of the flows > 5% of 16.67	Page 7-9
S	Site/Days with at least one of the flows > 10% of 16.67	Page 10

Annual Flow Rate Summary for CY2001
based on 010202 extraction from AIRS

1

Method	Num Sites in year	Avg Num Flow Checks per Site	Num Flow Audits	Num Flow Audits Diff > 4%	% > 4%	Num Flow Rates > 5% from 16.67	% > 5%	Average Accuracy (%)
BGI Single	12	1.92	23	0	0.0	0	0.0	-0.93
RP Single	100	1.98	198	10	5.1	5	2.5	-0.19
RP Seq	658	3.31	2180	66	3.0	30	1.4	-0.18
And Single	31	2.39	74	5	6.8	4	5.4	-0.22
And Seq	193	2.36	456	61	13.4	45	9.9	-0.15
_National	994	2.95	2931	142	4.8	84	2.9	-0.18

Quarterly Flow Rate Summary for CY2001
based on 010202 extraction from AIRS

2

Method	Qtr	Num Sites	Avg Num	Num Flow Audits	Num Flow Audits Diff > 4%	% Rates > 4%	Num Flow Rates > 5% from 16.67	% Rates > 5%	Average
			Flow Checks per Site						% Accuracy (%)
And Seq	1	141	1.17	165	31	18.8	29	17.6	-0.40
	2	154	1.16	179	19	10.6	10	5.6	-0.11
	3	86	1.30	112	11	9.8	6	5.4	0.16
And Single	1	28	1.00	28	2	7.1	3	10.7	-1.41
	2	25	1.00	25	1	4.0	0	0.0	0.01
	3	21	1.00	21	2	9.5	1	4.8	1.11
BGI Single	1	12	1.00	12	0	0.0	0	0.0	-0.91
	2	11	1.00	11	0	0.0	0	0.0	-0.95
RP Seq	1	588	1.37	805	38	4.7	13	1.6	-0.32
	2	539	1.37	736	13	1.8	8	1.1	-0.07
	3	382	1.38	526	15	2.9	9	1.7	-0.16
	4	55	2.05	113	0	0.0	0	0.0	0.09
RP Single	1	57	1.23	70	7	10.0	2	2.9	-0.59
	2	64	1.16	74	2	2.7	2	2.7	0.03
	3	41	1.10	45	1	2.2	1	2.2	0.04
	4	9	1.00	9	0	0.0	0	0.0	0.07
_National	1	826	1.31	1080	78	7.2	47	4.4	-0.39
	2	793	1.29	1025	35	3.4	20	2.0	-0.08
	3	530	1.33	704	29	4.1	17	2.4	-0.06
	4	64	1.91	122	0	0.0	0	0.0	0.09

Site/Days exceeding 4% Flow Rate Check in CY2001
based on 010202 AIRS Extraction

3

State	Rep Org	Date	AIRS ID	Method	Measured Value	True Value	% Diff
ALABAMA	011	01/24/2001	010030010	120	16.67	18.14	-8.1
		01/17/2001	010331002	120	16.67	17.81	-6.4
		01/23/2001	011030010	120	16.67	19.74	-15.6
		02/08/2001	011130001	120	16.67	17.92	-7.0
		06/28/2001	010550010	120	16.67	15.90	4.8
		05/14/2001	011170006	120	16.67	15.25	9.3
		05/23/2001	011170006	120	16.67	15.89	4.9
		06/25/2001	011170006	120	16.67	16.01	4.1
		07/05/2001	011170006	120	16.67	16.01	4.1
ALASKA	020	03/21/2001	021700008	117	16.70	16.00	4.4
CALIFORNIA	019	04/23/2001	060290016	120	16.66	17.38	-4.1
		06/14/2001	061113001	117	16.66	17.96	-7.2
CALIFORNIA	036	09/13/2001	060730003	120	16.66	17.98	-7.3
DELAWARE	001	02/08/2001	100051002	120	16.66	17.69	-5.8
		06/05/2001	100031012	120	16.66	15.94	4.5
FLORIDA	003	02/13/2001	121171002	118	16.70	17.66	-5.4
FLORIDA	005	04/03/2001	120710005	118	16.71	17.72	-5.7
FLORIDA	011	06/06/2001	120310099	118	16.70	15.88	5.2
FLORIDA	014	01/09/2001	120814012	118	16.68	17.49	-4.6
FLORIDA	016	06/11/2001	120990009	118	16.70	15.91	5.0
		08/09/2001	120990008	118	16.65	15.78	5.5
FLORIDA	017	07/24/2001	120111002	118	16.70	16.00	4.4
		07/24/2001	120112004	118	16.60	15.80	5.1
		07/25/2001	120113002	118	16.60	15.70	5.7
FLORIDA	039	01/08/2001	120170005	118	17.42	16.70	4.3
GEORGIA	010	03/19/2001	130210012	120	16.67	17.79	-6.3
		02/20/2001	132450005	120	16.72	18.71	-10.6
		02/23/2001	132450005	120	16.75	18.91	-11.4
		03/23/2001	132450005	120	16.72	19.32	-13.5
		01/25/2001	133190001	120	16.67	17.79	-6.3
		02/19/2001	133190001	120	16.67	18.02	-7.5
		05/04/2001	130210012	120	16.66	18.14	-8.2
		05/24/2001	130590001	120	16.66	17.47	-4.6
		05/24/2001	131390003	120	16.64	17.47	-4.8

Site/Days exceeding 4% Flow Rate Check in CY2001
based on 010202 AIRS Extraction

4

State	Rep Org	Date	AIRS ID	Method	Measured Value	True Value	% Diff
GEORGIA	010	05/03/2001	132450005	120	16.72	17.81	-6.1
		05/04/2001	133190001	120	16.67	17.59	-5.2
IDAHO	001	03/06/2001	160050006	117	16.60	15.90	4.4
		06/19/2001	160830006	118	16.70	15.70	6.4
ILLINOIS	001	02/22/2001	170010006	120	16.70	18.70	-10.7
		02/14/2001	170190004	119	16.70	18.30	-8.7
		03/14/2001	170314201	120	16.70	19.40	-13.9
		02/14/2001	170434002	120	16.70	15.80	5.7
		03/26/2001	170434002	120	16.70	18.10	-7.7
		03/20/2001	170971007	120	16.70	14.20	17.6
		02/14/2001	170990007	120	16.70	18.60	-10.2
		03/21/2001	171110001	120	16.70	13.40	24.6
		03/21/2001	171132002	117	16.60	17.50	-5.1
		02/08/2001	171150013	120	16.70	15.70	6.4
		03/27/2001	171190023	120	16.70	17.50	-4.6
		03/07/2001	171192009	120	16.60	18.20	-8.8
		03/21/2001	171430037	120	16.70	18.10	-7.7
		02/23/2001	171570001	119	16.70	18.50	-9.7
		03/29/2001	171613002	117	16.70	18.20	-8.2
		02/03/2001	171630010	120	16.70	17.80	-6.2
		02/07/2001	171634001	120	16.70	18.00	-7.2
		03/22/2001	171670012	117	16.70	19.40	-13.9
		03/29/2001	171971002	120	16.60	17.80	-6.7
		03/01/2001	172010010	120	16.60	18.50	-10.3
		04/26/2001	170190004	119	16.70	16.00	4.4
		04/04/2001	170311016	120	16.70	19.90	-16.1
		06/19/2001	170314007	120	16.70	18.60	-10.2
		06/13/2001	171132002	117	16.70	17.80	-6.2
		04/18/2001	171191007	120	16.70	16.00	4.4
		04/06/2001	171634001	120	16.70	17.50	-4.6
		07/12/2001	170190004	119	16.66	15.76	5.7
		08/06/2001	170434002	120	16.70	15.90	5.0
		09/27/2001	170434002	120	16.65	17.70	-5.9
		08/05/2001	170990007	120	16.66	15.34	8.6
		07/05/2001	171150013	120	15.65	16.67	-6.1
		09/12/2001	171190023	120	16.67	15.96	4.4
		09/12/2001	171191007	120	16.65	15.82	5.2
09/19/2001	171430037	120	16.62	15.87	4.7		
07/18/2001	171570001	119	16.66	15.96	4.4		
07/31/2001	171634001	120	16.65	17.81	-6.5		
09/27/2001	171670012	117	16.50	18.14	-9.0		
07/10/2001	172010010	120	16.67	15.96	4.4		
ILLINOIS	003	02/26/2001	170310052	120	16.67	17.85	-6.6

Site/Days exceeding 4% Flow Rate Check in CY2001
based on 010202 AIRS Extraction

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State	Rep Org	Date	AIRS ID	Method	Measured Value	True Value	% Diff
ILLINOIS	003	05/09/2001	170310052	120	16.67	17.82	-6.5
		06/26/2001	170316005	120	16.67	15.75	5.8
INDIANA	008	09/26/2001	180970043	118	16.68	17.42	-4.2
		09/25/2001	180970081	118	16.71	17.50	-4.5
IOWA	001	09/27/2001	191692530	118	16.70	17.40	-4.0
IOWA	003	09/20/2001	190330019	118	17.33	16.66	4.0
KANSAS	001	09/25/2001	201730010	118	16.70	17.51	-4.6
KENTUCKY	001	08/01/2001	210670014	118	16.70	17.73	-5.8
MASSACHUSETTS	001	03/15/2001	250052004	120	20.09	16.67	20.5
MICHIGAN	001	03/19/2001	260050003	118	16.67	15.87	5.0
		03/21/2001	260650012	118	16.70	15.84	5.4
		03/16/2001	260990009	118	16.66	17.44	-4.5
		06/08/2001	261630025	118	16.68	15.91	4.8
MISSOURI	002	06/14/2001	291895001	118	16.67	17.98	-7.3
NEW JERSEY	001	03/28/2001	340071007	118	16.70	18.10	-7.7
		01/23/2001	340130015	118	16.65	15.87	4.9
		02/09/2001	340130015	118	16.25	16.96	-4.2
		02/07/2001	340210008	118	16.67	18.21	-8.5
		03/12/2001	340270004	118	16.70	15.58	7.2
		04/26/2001	340310005	118	16.65	14.72	13.1
NEW MEXICO	001	04/24/2001	350450006	118	16.68	17.74	-6.0
NORTH CAROLINA	001	02/28/2001	370330001	118	15.60	16.60	-6.0
		03/16/2001	370330001	118	14.80	16.60	-10.8
		02/20/2001	370630001	118	15.97	16.67	-4.2
		02/26/2001	370810009	118	16.00	16.70	-4.2
		02/27/2001	370811005	118	15.97	16.70	-4.4
		08/22/2001	370330001	118	16.80	17.60	-4.5
NORTH DAKOTA	001	03/22/2001	380070002	117	16.70	17.40	-4.0
		03/05/2001	380130002	117	16.70	17.40	-4.0
		03/13/2001	380350004	118	16.70	17.50	-4.6
OHIO	006	03/16/2001	391530017	120	16.66	15.68	6.3
OHIO	007	06/14/2001	391510017	120	16.51	22.25	-25.8

Site/Days exceeding 4% Flow Rate Check in CY2001
based on 010202 AIRS Extraction

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State	Rep Org	Date	AIRS ID	Method	Measured Value	True Value	% Diff
OHIO	008	03/13/2001	390610041	120	16.66	16.01	4.1
		03/06/2001	390618001	120	16.64	17.50	-4.9
OHIO	010	06/06/2001	391351001	120	16.67	14.85	12.3
OKLAHOMA	101	09/13/2001	400970186	118	16.00	16.70	-4.2
OKLAHOMA	106	03/14/2001	400719003	118	15.94	16.70	-4.6
PENNSYLVANIA	001	09/18/2001	420490003	118	16.67	15.55	7.2
PENNSYLVANIA	002	01/10/2001	420030064	118	17.49	16.70	4.7
		01/17/2001	420030064	118	17.44	16.70	4.4
		03/13/2001	420030064	118	15.90	16.70	-4.8
		03/01/2001	420030093	118	16.03	16.70	-4.0
		01/17/2001	420030116	118	17.44	16.70	4.4
		02/16/2001	420030116	118	15.88	16.70	-4.9
		02/01/2001	420030131	118	17.41	16.70	4.3
		03/12/2001	420039002	118	16.03	16.70	-4.0
		06/05/2001	420031008	118	15.99	16.70	-4.3
04/11/2001	420033007	118	15.99	16.70	-4.3		
SOUTH CAROLINA	001	02/01/2001	450370001	118	16.70	16.05	4.0
		01/17/2001	450450009	118	16.69	17.50	-4.6
		03/08/2001	450790007	118	16.68	17.40	-4.1
TENNESSEE	001	03/06/2001	470450004	118	16.71	17.68	-5.5
		02/26/2001	471071002	118	16.68	15.90	4.9
TENNESSEE	002	09/26/2001	471571004	118	16.70	15.94	4.8
TEXAS	001	03/09/2001	481350003	118	16.70	18.37	-9.1
		01/29/2001	482010051	118	16.70	17.79	-6.1
		02/06/2001	482010062	118	16.69	17.63	-5.3
		02/02/2001	482011037	118	16.67	17.98	-7.3
		04/17/2001	482150042	118	16.67	17.53	-4.9
		09/25/2001	483750005	118	16.67	18.33	-9.1
WEST VIRGINIA	001	02/13/2001	540030003	118	17.50	16.80	4.2
		03/06/2001	540390010	118	17.47	16.67	4.8
		02/08/2001	540610003	118	15.31	16.77	-8.7
		05/02/2001	540390010	118	15.77	16.67	-5.4
		04/30/2001	540610003	118	15.60	16.68	-6.5

Site/Days with True or Meas Flow Rate > 5% of 16.67 in CY2001
based on 010202 AIRS Extraction

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State	Rep Org	Date	AIRS ID	Method	Measured Value	True Value	% Diff
ALABAMA	011	01/24/2001	010030010	120	16.67	18.14	-8.1
		01/17/2001	010331002	120	16.67	17.81	-6.4
		01/23/2001	011030010	120	16.67	19.74	-15.6
		02/08/2001	011130001	120	16.67	17.92	-7.0
		05/14/2001	011170006	120	16.67	15.25	9.3
CALIFORNIA	019	06/14/2001	061113001	117	16.66	17.96	-7.2
CALIFORNIA	036	09/13/2001	060730003	120	16.66	17.98	-7.3
DELAWARE	001	02/08/2001	100051002	120	16.66	17.69	-5.8
FLORIDA	003	02/13/2001	121171002	118	16.70	17.66	-5.4
FLORIDA	005	04/03/2001	120710005	118	16.71	17.72	-5.7
FLORIDA	016	08/09/2001	120990008	118	16.65	15.78	5.5
FLORIDA	017	07/24/2001	120112004	118	16.60	15.80	5.1
		07/25/2001	120113002	118	16.60	15.70	5.7
GEORGIA	010	03/19/2001	130210012	120	16.67	17.79	-6.3
		02/20/2001	132450005	120	16.72	18.71	-10.6
		02/23/2001	132450005	120	16.75	18.91	-11.4
		03/23/2001	132450005	120	16.72	19.32	-13.5
		01/25/2001	133190001	120	16.67	17.79	-6.3
		02/19/2001	133190001	120	16.67	18.02	-7.5
		05/04/2001	130210012	120	16.66	18.14	-8.2
		05/03/2001	132450005	120	16.72	17.81	-6.1
05/04/2001	133190001	120	16.67	17.59	-5.2		
IDAHO	001	06/19/2001	160830006	118	16.70	15.70	6.4
ILLINOIS	001	02/22/2001	170010006	120	16.70	18.70	-10.7
		02/14/2001	170190004	119	16.70	18.30	-8.7
		03/14/2001	170314201	120	16.70	19.40	-13.9
		02/14/2001	170434002	120	16.70	15.80	5.7
		03/26/2001	170434002	120	16.70	18.10	-7.7
		03/20/2001	170971007	120	16.70	14.20	17.6
		02/14/2001	170990007	120	16.70	18.60	-10.2
		03/21/2001	171110001	120	16.70	13.40	24.6
		02/08/2001	171150013	120	16.70	15.70	6.4
		03/07/2001	171192009	120	16.60	18.20	-8.8
		03/21/2001	171430037	120	16.70	18.10	-7.7
		02/23/2001	171570001	119	16.70	18.50	-9.7
		03/29/2001	171613002	117	16.70	18.20	-8.2

Site/Days with True or Meas Flow Rate > 5% of 16.67 in CY2001
based on 010202 AIRS Extraction

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State	Rep Org	Date	AIRS ID	Method	Measured Value	True Value	% Diff
ILLINOIS	001	02/03/2001	171630010	120	16.70	17.80	-6.2
		02/07/2001	171634001	120	16.70	18.00	-7.2
		03/22/2001	171670012	117	16.70	19.40	-13.9
		03/29/2001	171971002	120	16.60	17.80	-6.7
		03/01/2001	172010010	120	16.60	18.50	-10.3
		04/04/2001	170311016	120	16.70	19.90	-16.1
		06/19/2001	170314007	120	16.70	18.60	-10.2
		06/13/2001	171132002	117	16.70	17.80	-6.2
		07/12/2001	170190004	119	16.66	15.76	5.7
		09/27/2001	170434002	120	16.65	17.70	-5.9
		08/05/2001	170990007	120	16.66	15.34	8.6
		07/05/2001	171150013	120	15.65	16.67	-6.1
		09/12/2001	171191007	120	16.65	15.82	5.2
		07/31/2001	171634001	120	16.65	17.81	-6.5
09/27/2001	171670012	117	16.50	18.14	-9.0		
ILLINOIS	003	02/26/2001	170310052	120	16.67	17.85	-6.6
		05/09/2001	170310052	120	16.67	17.82	-6.5
		06/26/2001	170316005	120	16.67	15.75	5.8
KANSAS	001	09/25/2001	201730010	118	16.70	17.51	-4.6
KENTUCKY	001	08/01/2001	210670014	118	16.70	17.73	-5.8
MARYLAND	001	01/16/2001	245100049	120	16.11	15.80	2.0
MASSACHUSETTS	001	03/15/2001	250052004	120	20.09	16.67	20.5
MISSOURI	002	06/14/2001	291895001	118	16.67	17.98	-7.3
MONTANA	033	03/13/2001	300470028	119	16.04	15.67	2.4
NEW JERSEY	001	03/28/2001	340071007	118	16.70	18.10	-7.7
		02/07/2001	340210008	118	16.67	18.21	-8.5
		03/12/2001	340270004	118	16.70	15.58	7.2
		04/26/2001	340310005	118	16.65	14.72	13.1
NEW MEXICO	001	04/24/2001	350450006	118	16.68	17.74	-6.0
NORTH CAROLINA	001	02/28/2001	370330001	118	15.60	16.60	-6.0
		03/16/2001	370330001	118	14.80	16.60	-10.8
		08/22/2001	370330001	118	16.80	17.60	-4.5
OHIO	006	03/16/2001	391530017	120	16.66	15.68	6.3
OHIO	007	06/14/2001	391510017	120	16.51	22.25	-25.8

Site/Days with True or Meas Flow Rate > 5% of 16.67 in CY2001
 based on 010202 AIRS Extraction

9

State	Rep Org	Date	AIRS ID	Method	Measured Value	True Value	% Diff
OHIO	010	06/06/2001	391351001	120	16.67	14.85	12.3
PENNSYLVANIA	001	09/18/2001	420490003	118	16.67	15.55	7.2
TENNESSEE	001	03/06/2001	470450004	118	16.71	17.68	-5.5
TEXAS	001	03/09/2001	481350003	118	16.70	18.37	-9.1
		01/29/2001	482010051	118	16.70	17.79	-6.1
		02/06/2001	482010062	118	16.69	17.63	-5.3
		02/02/2001	482011037	118	16.67	17.98	-7.3
		04/17/2001	482150042	118	16.67	17.53	-4.9
		07/26/2001	480612002	118	17.69	17.09	3.5
		09/25/2001	483750005	118	16.67	18.33	-9.1
WEST VIRGINIA	001	01/17/2001	540030003	118	17.57	16.94	3.7
		02/08/2001	540610003	118	15.31	16.77	-8.7
		05/02/2001	540390010	118	15.77	16.67	-5.4
		04/30/2001	540610003	118	15.60	16.68	-6.5

Site/Days with True of Meas Flow Rate > 10% of 16.67 in CY2001
based on 010202 AIRS Extraction

10

State	Rep Org	Date	AIRS ID	Method	Measured Value	True Value
ALABAMA	011	01/23/2001	011030010	120	16.67	19.74
GEORGIA	010	02/20/2001	132450005	120	16.72	18.71
		02/23/2001	132450005	120	16.75	18.91
		03/23/2001	132450005	120	16.72	19.32
ILLINOIS	001	02/22/2001	170010006	120	16.70	18.70
		04/04/2001	170311016	120	16.70	19.90
		06/19/2001	170314007	120	16.70	18.60
		03/14/2001	170314201	120	16.70	19.40
		03/20/2001	170971007	120	16.70	14.20
		02/14/2001	170990007	120	16.70	18.60
		03/21/2001	171110001	120	16.70	13.40
		02/23/2001	171570001	119	16.70	18.50
		03/22/2001	171670012	117	16.70	19.40
		03/01/2001	172010010	120	16.60	18.50
MASSACHUSETTS	001	03/15/2001	250052004	120	20.09	16.67
NEW JERSEY	001	04/26/2001	340310005	118	16.65	14.72
NORTH CAROLINA	001	03/16/2001	370330001	118	14.80	16.60
OHIO	007	06/14/2001	391510017	120	16.51	22.25
OHIO	010	06/06/2001	391351001	120	16.67	14.85
TEXAS	001	03/09/2001	481350003	118	16.70	18.37

Attachment IVA

Completeness for the Performance Evaluation Program- National Level.
 And
 Current number of PEP/Routine Sample Pairs

269 sites meet the 25% of routine site completeness criteria

Sites vistsed by the PEP

Frequency	Number of Quarters Visits Were Made				Total Sites	Site with ≥ 3 visits
	1 Quarter	2 Quarters	3 Quarters	4 Quarters		
1 or 2 PEP visits	21	18	NA	NA	15	
3 PEP Visits	2	3	29	NA	35	
4 PEP Visits	0	2	34	179	213	
> 4 PEP Visits	0	0	2	20	21	
Total Sites	23	23	65	199	310	269

Number of PEP/Routine Sample Pairs (as of 3/18/02)

Frequency	Number of Quarters Visits Were Made				Total Pairs
	1 Quarter	2 Quarters	3 Quarters	4 Quarters	
1 or 2 Pairs	38	91	NA	NA	129
3 Pairs	2	7	114	NA	123
4 Pairs	0	0	9	16	25
Total Pairs	40	98	123	16	277

Attachment IVB. Bias Completeness by Region/State/Site

Completeness of 2001 PEP Visits by Region/State/Site

1

Region	State	Year	Site	Total Number of Qtrs with PEP Visits	Total Num of PEP Visits
1	CT	2001	090010113	4	4
			090013005	4	4
			090099005	4	4
1	MA	2001	250033001	4	4
			250052004	4	4
			250170008	3	4
			250250043	3	3
			250270016	4	5
1	ME	2001	230031011	2	2
			230050015	4	4
			230172011	4	4
			230194003	4	7
			230310008	4	4
1	NH	2001	330012004	3	3
			330110019	1	1
			330110020	3	3
			330135001	4	4
1	RI	2001	440030002	4	4
			440090007	4	5
1	VT	2001	500030005	4	4
2	NJ	2001	340071007	4	4
			340130015	4	5
			340155001	4	4
			340292002	4	5
			340410006	4	4
2	NY	2001	360050080	4	4
			360050110	4	5
			360130011	4	4
			360271004	4	4
			360470076	4	4

Completeness of 2001 PEP Visits by Region/State/Site

Region	State	Year	Site	Total Number of Qtrs with PEP Visits	Total Num of PEP Visits
2	NY	2001	360610010	2	2
			360610079	3	4
			360632008	4	4
			360652001	4	4
			360810094	3	4
			360810096	3	4
			360810097	1	1
2	PR	2001	720690001	4	4
			720810001	4	4
			720970003	4	4
2	VI	2001	780010012	4	4
3	DC	2001	110003200	1	1
			110010041	4	4
			110010042	4	4
3	DE	2001	100031012	4	4
			100032004	2	2
			100051002	2	2
3	MD	2001	240030014	4	4
			240031003	4	4
			240051007	4	4
			245100049	4	4
3	PA	2001	420030007	1	1
			420030095	4	4
			420031008	4	4
			420033007	3	3
			420039002	4	4
			420450002	4	4
			420910013	4	4
			421010004	3	3
			421010024	3	3
421250005	4	4			

Completeness of 2001 PEP Visits by Region/State/Site

3

Region	State	Year	Site	Total Number of Qtrs with PEP Visits	Total Num of PEP Visits
3	PA	2001	421250200	4	4
3	VA	2001	511390004	4	4
			515200006	4	4
			515500012	4	4
			517000013	4	4
			517100024	3	3
3	WV	2001	540330003	4	4
			540490006	4	4
			540810002	4	4
4	AL	2001	010030010	4	4
			010270001	4	4
			010732003	4	4
			010970002	3	4
4	FL	2001	120090007	3	4
			120112004	4	4
			120113002	4	4
			120330004	3	4
			120330025	3	4
			120330026	3	4
			120990009	4	4
4	GA	2001	130630091	3	4
			130670003	3	4
			131150005	3	4
			131210039	3	4
			131211001	3	4
			132230003	3	3
4	KY	2001	210290006	4	4
			210930005	4	4
			211110048	4	4
			212270007	4	4

Completeness of 2001 PEP Visits by Region/State/Site

4

Region	State	Year	Site	Total Number of Qtrs with PEP Visits	Total Num of PEP Visits
4	MS	2001	280350004	4	4
			280470006	1	1
			280470008	3	3
			280590006	4	4
			280670002	4	4
			281090001	4	4
4	NC	2001	370610002	4	4
			370990006	3	4
			371210001	2	3
			371330005	4	4
			371390001	1	1
			371390002	2	3
			371470005	4	4
			371910005	4	4
4	SC	2001	450130007	3	4
			450190048	3	4
			450190049	3	4
4	TN	2001	470370025	4	4
			470650032	4	4
			470931017	4	4
			470931020	4	4
			471251009	4	4
			471650007	4	4
5	IL	2001	170310057	4	4
			170314006	1	1
			170316005	4	4
			171190023	4	4
			171191007	1	1
			171192009	4	4
			171193007	3	3
			171630010	4	4
			172010010	4	4

Completeness of 2001 PEP Visits by Region/State/Site

Region	State	Year	Site	Total Number of Qtrs with PEP Visits	Total Num of PEP Visits
5	IN	2001	180030004	4	4
			180030014	4	5
			180390003	2	2
			180890027	4	5
			180892010	4	5
			180970018	2	2
			180970023	2	2
			180970042	4	4
			180970066	4	4
			181270020	4	5
			181411008	2	2
			181670018	2	2
			181670023	2	2
5	MI	2001	260170014	4	4
			260550003	2	2
			260610008	1	1
			261150005	4	4
			261450018	4	4
			261610008	3	3
			261630016	4	4
5	MN	2001	270370470	2	2
			270530963	2	2
			270953051	2	2
			271095008	3	3
			271230871	3	3
			271453052	1	1
5	OH	2001	390090003	4	4
			390230005	3	3
			390350038	4	4
			390350065	3	3
			390351002	4	4
			390490025	1	1
			390490081	4	4
			390610040	4	4

Completeness of 2001 PEP Visits by Region/State/Site

6

Region	State	Year	Site	Total Number of Qtrs with PEP Visits	Total Num of PEP Visits
5	OH	2001	390610042	3	4
			390610043	2	2
			390611143	1	1
			390851001	4	4
			390950025	2	2
			390990005	3	3
			391450013	4	4
			391510020	4	4
			391530023	4	4
5	WI	2001	550250025	3	3
			550250047	1	1
			550590019	3	4
			551050002	1	1
			551050024	1	1
			551330027	4	5
			551330034	4	4
6	AR	2001	050010010	4	5
			050450002	4	4
			050690005	4	4
			051390004	3	4
			051390005	1	1
			051450001	4	4
6	LA	2001	220330002	4	5
			220470005	4	4
			220512001	4	4
			220730004	4	4
			220870004	4	4
6	NM	2001	350010023	4	4
			350019004	3	3
			350050005	4	4
			350250007	4	4
			350439004	4	4

Completeness of 2001 PEP Visits by Region/State/Site

7

Region	State	Year	Site	Total Number of Qtrs with PEP Visits	Total Num of PEP Visits
6	OK	2001	400179001	4	4
			400190295	4	4
			400470554	4	4
			400719003	3	3
			400819005	4	4
			401091038	4	4
			401179007	4	4
			401190614	4	4
			401339006	4	4
6	TX	2001	480612002	3	3
			480850005	4	4
			481130020	4	4
			481130069	4	4
			481350003	4	4
			482010075	3	4
			482011037	1	1
			482150043	4	4
			482151042	3	3
			483030001	4	4
			483550020	4	4
			483550032	4	4
			483750005	4	4
			484790016	4	5
			7	IA	2001	190630003	3	3
191530059	4	4			
191532520	4	4			
191550009	4	4			
191692530	4	4			
191930017	4	4			
7	KS	2001	200910008	4	4
			200910009	4	4
			201730008	4	4
			201910002	4	4

Completeness of 2001 PEP Visits by Region/State/Site

8

Region	State	Year	Site	Total Number of Qtrs with PEP Visits	Total Num of PEP Visits
7	MD	2001	290370003	3	4
			290390001	4	4
			290470041	4	4
			290950037	4	4
			295100007	4	4
			295100087	4	4
7	NE	2001	310250002	4	4
			310270001	4	4
			310310001	4	4
			310550051	4	4
			310550052	4	4
			311530007	3	4
			311770002	3	4
8	CO	2001	080130003	4	4
			080390001	4	5
			080410008	4	4
			081070003	4	4
			081230008	4	4
8	MT	2001	300290009	1	3
			300290039	1	1
			300290047	4	4
			300470013	4	4
			300870307	4	4
8	ND	2001	380130003	4	4
			380890002	2	2
8	SD	2001	460130003	4	4
			460930001	4	4
			461030017	4	4
8	UT	2001	490050002	3	3
			490050004	1	1
			490350012	4	4

Completeness of 2001 PEP Visits by Region/State/Site

9

Region	State	Year	Site	Total Number of Qtrs with PEP Visits	Total Num of PEP Visits
8	UT	2001	490353003	3	3
			490495008	3	3
8	WY	2001	560330001	4	4
9	AZ	2001	040051008	4	4
			040190011	4	4
			040213002	4	4
			040230004	4	4
9	CA	2001	060010007	4	5
			060111002	4	5
			060170012	3	3
			060192025	3	3
			060195001	4	4
			060250003	4	4
			060251003	2	2
			060333001	4	4
			060371301	4	4
			060371601	4	5
			060372005	4	4
			060379002	4	4
			060510001	1	2
			060570005	4	4
			060610006	4	4
			060631006	4	4
			060650025	3	3
060730001	4	4			
060811001	3	3			
060950004	4	4			
061072002	4	5			
061113001	4	4			
9	HI	2001	150090006	4	5
9	NV	2001	320030022	4	4
			320310016	4	4

Completeness of 2001 PEP Visits by Region/State/Site

10

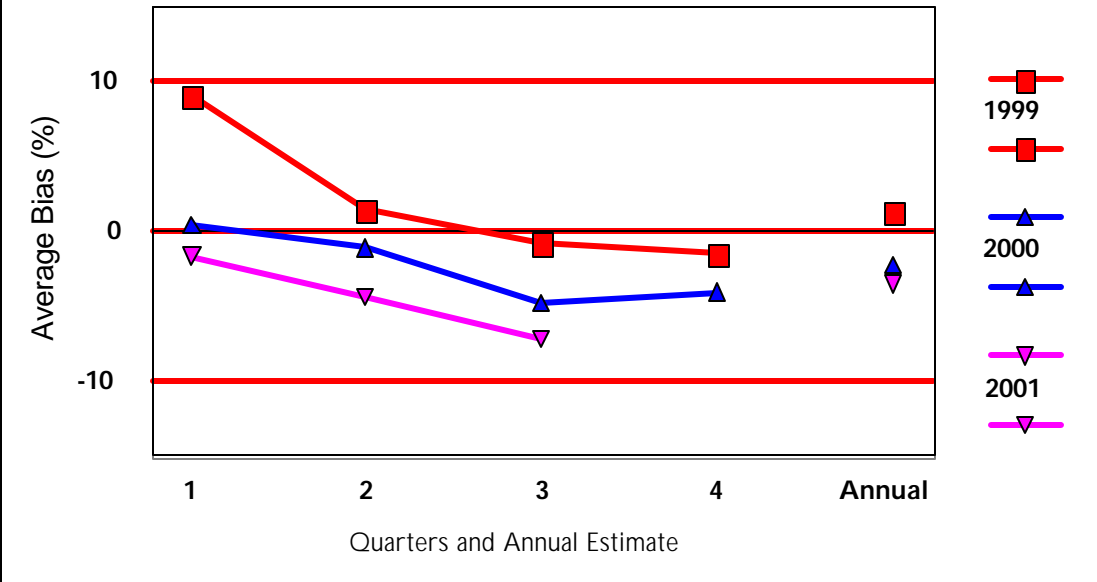
Region	State	Year	Site	Total Number of Qtrs with PEP Visits	Total Num of PEP Visits
10	AK	2001	020900010	2	4
			022900003	1	3
10	ID	2001	160050006	4	4
			160190010	4	4
			160830010	4	4
10	OR	2001	410090004	3	5
			410250002	3	4
			410291001	3	4
			410292129	3	4
			410330107	3	4
			410350004	3	5
			410370001	3	4
			410370003	3	4
10	WA	2001	530010003	4	4
			530110013	3	4
			530110020	2	3
			530150015	2	4
			530330017	4	4
			530330024	4	4
			530410006	1	1
			530530029	4	4
			530531018	3	4
			530570014	4	4
			530630016	3	4
530750003	4	4			

Attachment IVC. CY99 to 01 National Bias Estimates (Graphics)

CY99,00 and 01 Bias Estimate

01/02/02 AIRS Extraction

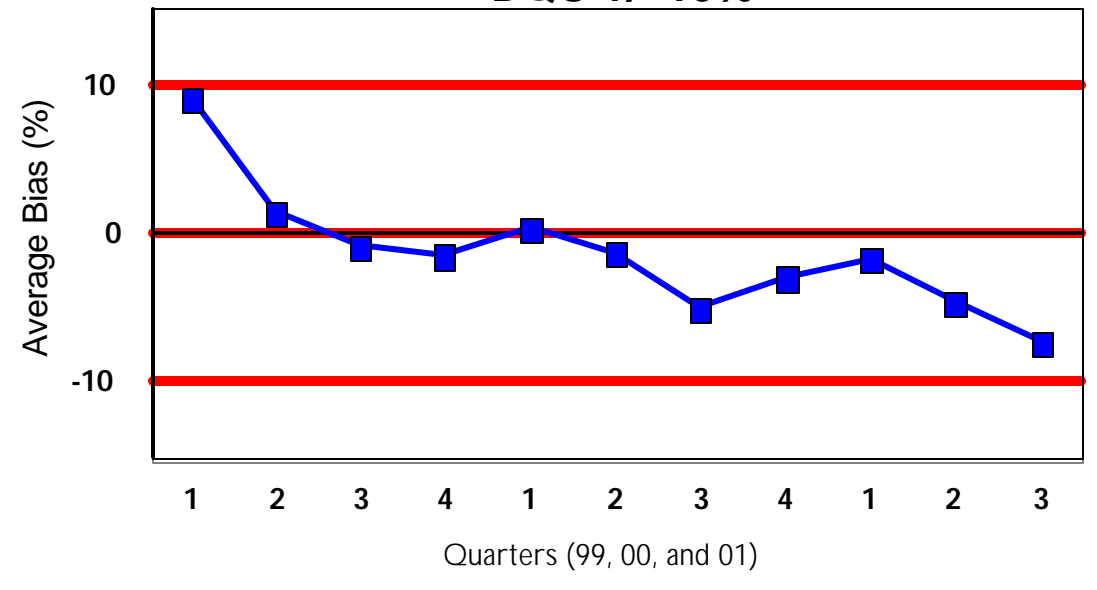
DQO +/- 10%



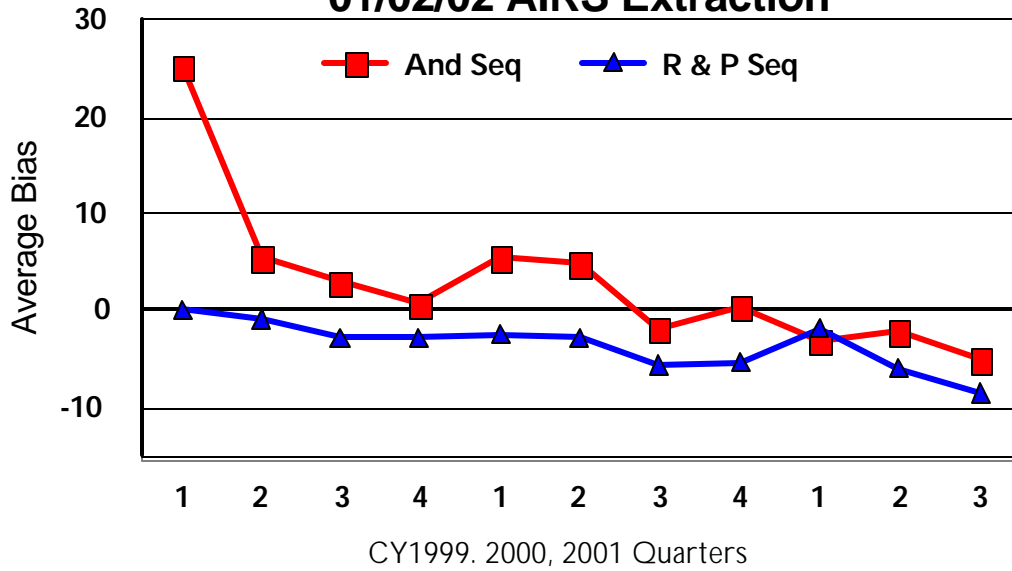
Bias Estimates

CY99, 00 and 01

DQO +/- 10%



CY99, 00 and 01 Bias Estimates Andersen and R & P Sequentials 01/02/02 AIRS Extraction



Attachment IVD. CY01 National Bias Estimates (Table)

National Bias Estimates

1

methname	year	qtrname	filetype	numbias	lowercl	avgbias	uppercl
All	2001	1	allgt0_1	232	-6.981	-4.3155	-1.650
			allgt6_1	182	-4.452	-1.7079	1.036
			bias50gt0_1	227	-5.449	-3.9569	-2.465
			bias50gt6_1	180	-3.969	-2.5826	-1.196
All	2001	2	allgt0_1	242	-30.353	17.7679	65.889
			allgt6_1	180	-6.346	-4.4963	-2.647
			bias50gt0_1	235	-7.850	-6.4245	-4.999
			bias50gt6_1	179	-6.511	-5.1173	-3.724
All	2001	3	allgt0_1	196	-10.675	-8.9544	-7.234
			allgt6_1	159	-8.669	-7.2859	-5.903
			bias50gt0_1	194	-9.523	-8.1797	-6.836
			bias50gt6_1	159	-8.669	-7.2859	-5.903
All	2001	4	allgt0_1	20	-6.333	-1.7443	2.845
			allgt6_1	15	-5.970	-1.0296	3.911
			bias50gt0_1	20	-6.333	-1.7443	2.845
			bias50gt6_1	15	-5.970	-1.0296	3.911
All	2001	Ann	allgt0_1	690	0.223	2.1865	4.150
			allgt6_1	536	-6.244	-4.2800	-2.316
			bias50gt0_1	676	-7.925	-5.9611	-3.998
			bias50gt6_1	533	-6.758	-4.7932	-2.829
And Seq	2001	1	allgt0_1	72	-10.401	-6.2256	-2.050
			allgt6_1	61	-6.176	-3.0048	0.167
			bias50gt0_1	69	-5.773	-3.2839	-0.795
			bias50gt6_1	60	-4.810	-2.1257	0.559
And Seq	2001	2	allgt0_1	61	-98.495	95.0579	288.611
			allgt6_1	52	-4.269	-2.1277	0.014
			bias50gt0_1	59	-5.178	-2.7859	-0.394
			bias50gt6_1	52	-4.269	-2.1277	0.014
And Seq	2001	3	allgt0_1	58	-10.694	-7.0108	-3.327
			allgt6_1	51	-6.700	-4.7806	-2.861
			bias50gt0_1	57	-7.378	-5.4368	-3.496
			bias50gt6_1	51	-6.700	-4.7806	-2.861
And Seq	2001	4	allgt0_1	8	-2.384	3.2481	8.880

National Bias Estimates

2

methname	year	qtrname	filetype	numbias	lowercl	avgbias	uppercl
And Seq	2001	4	allgt6_1	7	-3.034	1.4826	5.999
			bias50gt0_1	8	-2.384	3.2481	8.880
			bias50gt6_1	7	-3.034	1.4826	5.999
And Seq	2001	Ann	allgt0_1	199	23.001	24.9731	26.945
			allgt6_1	171	-5.058	-3.0840	-1.110
			bias50gt0_1	193	-5.469	-3.4967	-1.524
			bias50gt6_1	170	-4.749	-2.7742	-0.800
And Single	2001	1	allgt0_1	3	-40.755	-9.4755	21.804
			allgt6_1	2	-111.622	-15.2796	81.063
			bias50gt0_1	3	-40.755	-9.4755	21.804
			bias50gt6_1	2	-111.622	-15.2796	81.063
And Single	2001	2	allgt0_1	6	-16.149	5.5480	27.245
			allgt6_1	2	-273.797	8.0161	289.829
			bias50gt0_1	6	-16.149	5.5480	27.245
			bias50gt6_1	2	-273.797	8.0161	289.829
And Single	2001	3	allgt0_1	7	-21.412	-8.2110	4.991
			allgt6_1	5	-25.691	-7.5143	10.662
			bias50gt0_1	7	-21.412	-8.2110	4.991
			bias50gt6_1	5	-25.691	-7.5143	10.662
And Single	2001	Ann	allgt0_1	16	-5.467	-3.2885	-1.110
			allgt6_1	9	-8.359	-5.7887	-3.218
			bias50gt0_1	16	-5.467	-3.2885	-1.110
			bias50gt6_1	9	-8.359	-5.7887	-3.218
BGI Single	2001	1	allgt0_1	4	-8.332	4.9440	18.221
			allgt6_1	4	-8.332	4.9440	18.221
			bias50gt0_1	4	-8.332	4.9440	18.221
			bias50gt6_1	4	-8.332	4.9440	18.221
BGI Single	2001	2	allgt0_1	2	-108.941	-15.4257	78.090
			allgt6_1	1	.	-8.0658	.
			bias50gt0_1	2	-108.941	-15.4257	78.090
			bias50gt6_1	1	.	-8.0658	.
BGI Single	2001	3	allgt0_1	1	.	-7.4486	.
			allgt6_1	1	.	-7.4486	.

National Bias Estimates

3

methname	year	qtrname	filetype	numbias	lowercl	avgbias	uppercl
BGI Single	2001	3	bi as50gt0_1	1	.	-7.4486	.
			bi as50gt6_1	1	.	-7.4486	.
BGI Single	2001	Ann	all gt0_1	7	-5.829	-2.6463	0.536
			all gt6_1	6	-3.592	0.7103	5.013
			bi as50gt0_1	7	-5.829	-2.6463	0.536
			bi as50gt6_1	6	-3.592	0.7103	5.013
RP Seq	2001	1	all gt0_1	131	-8.206	-4.2431	-0.280
			all gt6_1	101	-6.116	-1.6338	2.849
			bi as50gt0_1	129	-7.107	-5.2289	-3.351
			bi as50gt6_1	100	-5.346	-3.7479	-2.150
RP Seq	2001	2	all gt0_1	146	-11.619	-8.8273	-6.035
			all gt6_1	111	-8.458	-5.8292	-3.201
			bi as50gt0_1	141	-9.821	-8.0530	-6.285
			bi as50gt6_1	110	-8.541	-6.8518	-5.163
RP Seq	2001	3	all gt0_1	108	-10.831	-8.9708	-7.110
			all gt6_1	92	-10.587	-8.6328	-6.679
			bi as50gt0_1	108	-10.831	-8.9708	-7.110
			bi as50gt6_1	92	-10.587	-8.6328	-6.679
RP Seq	2001	4	all gt0_1	12	-11.644	-5.0726	1.499
			all gt6_1	8	-12.646	-3.2277	6.191
			bi as50gt0_1	12	-11.644	-5.0726	1.499
			bi as50gt6_1	8	-12.646	-3.2277	6.191
RP Seq	2001	Ann	all gt0_1	397	-9.206	-7.2402	-5.274
			all gt6_1	312	-7.199	-5.2310	-3.263
			bi as50gt0_1	390	-9.247	-7.2814	-5.315
			bi as50gt6_1	310	-8.253	-6.2856	-4.318
RP Single	2001	1	all gt0_1	22	-6.736	0.5248	7.785
			all gt6_1	14	-2.941	3.4465	9.834
			bi as50gt0_1	22	-6.736	0.5248	7.785
			bi as50gt6_1	14	-2.941	3.4465	9.834
RP Single	2001	2	all gt0_1	27	-12.551	-7.8649	-3.179
			all gt6_1	14	-11.441	-4.2586	2.924
			bi as50gt0_1	27	-12.551	-7.8649	-3.179

National Bias Estimates

4

methname	year	qtrname	filetype	numbias	lowercl	avgbias	uppercl
RP Single	2001	2	bi as50gt6_1	14	- 11. 441	- 4. 2586	2. 924
RP Single	2001	3	allgt0_1	22	- 21. 580	- 14. 3027	- 7. 026
			allgt6_1	10	- 13. 077	- 7. 5413	- 2. 005
			bi as50gt0_1	21	- 16. 389	- 11. 5802	- 6. 771
			bi as50gt6_1	10	- 13. 077	- 7. 5413	- 2. 005
RP Single	2001	Ann	allgt0_1	71	- 9. 256	- 7. 2601	- 5. 264
			allgt6_1	38	- 4. 316	- 2. 2838	- 0. 252
			bi as50gt0_1	70	- 8. 339	- 6. 3427	- 4. 346
			bi as50gt6_1	38	- 4. 316	- 2. 2838	- 0. 252

Attachment IVE. Distribution of PEP/Routine Sample Pairs by Region/State/Site

Number of Pair and Number of Quarters over which Pairs Spread
by Region/State/Site 1

Region	State	Year	Site	Total Number of Qtrs with Pairs for Bias	Total Num of Pairs for Bias
1	CT	2001	090010113	2	2
			090013005	2	2
			090099005	2	2
1	MA	2001	250052004	1	1
			250170008	1	1
			250270016	1	1
1	ME	2001	230031011	2	2
			230050015	3	3
			230172011	4	4
			230194003	2	3
			230310008	3	3
1	NH	2001	330012004	1	1
			330110020	2	2
			330135001	3	3
1	RI	2001	440030002	2	2
			440090007	2	2
1	VT	2001	500030005	3	3
2	NJ	2001	340071007	2	2
			340155001	2	2
			340292002	1	1
			340410006	2	2
2	NY	2001	360050080	3	3
			360050110	2	3
			360130011	3	3
			360271004	2	2
			360470076	3	3
			360610010	2	2

Number of Pair and Number of Quarters over which Pairs Spread
by Region/State/Site 2

Region	State	Year	Site	Total Number of Qtrs with Pairs for Bias	Total Num of Pairs for Bias
2	NY	2001	360610079	2	2
			360632008	3	3
			360652001	3	3
			360810094	2	2
			360810096	1	1
2	PR	2001	720690001	2	2
			720810001	2	2
			720970003	2	2
2	VI	2001	780010012	1	1
3	DC	2001	110010041	3	3
			110010042	3	3
3	DE	2001	100031012	3	3
			100032004	2	2
			100051002	2	2
3	MD	2001	240030014	2	2
			240031003	2	2
			240051007	3	3
			245100049	3	3
3	PA	2001	420030095	1	1
			420031008	2	2
			420033007	1	1
			420039002	1	1
			420450002	2	2
			420910013	2	2
			421010004	2	2
			421010024	3	3
			421250005	2	2
			421250200	2	2

**Number of Pair and Number of Quarters over which Pairs Spread
by Region/State/Site** 3

Region	State	Year	Site	Total Number of Qtrs with Pairs for Bias	Total Num of Pairs for Bias
3	VA	2001	511390004	3	3
			515200006	3	3
			515500012	2	2
			517000013	3	3
			517100024	2	2
3	WV	2001	540330003	3	3
			540490006	3	3
			540810002	3	3
4	AL	2001	010030010	3	3
			010270001	3	3
			010732003	3	3
			010970002	2	3
4	FL	2001	120090007	2	2
			120112004	3	3
			120113002	3	3
			120330004	3	4
			120990009	3	3
4	GA	2001	130630091	2	3
			130670003	3	4
			131150005	3	4
			131210039	3	4
			131211001	3	4
			132230003	3	3
4	KY	2001	210290006	3	3
			211110048	4	4
			212270007	3	3
4	MS	2001	280350004	3	3
			280470008	3	3

Number of Pair and Number of Quarters over which Pairs Spread
by Region/State/Site 4

Region	State	Year	Site	Total Number of Qtrs with Pairs for Bias	Total Num of Pairs for Bias
4	MS	2001	280590006	3	3
			280670002	3	3
			281090001	3	3
4	NC	2001	370610002	2	2
			370990006	3	4
			371210001	2	3
			371330005	2	2
			371390002	1	1
			371470005	3	3
			371910005	3	3
4	SC	2001	450130007	3	4
			450190048	3	4
			450190049	2	3
4	TN	2001	470370025	3	3
			470650032	3	3
			470931017	3	3
			470931020	3	3
			471251009	3	3
			471650007	3	3
5	IL	2001	170310057	3	3
			170316005	3	3
			171190023	2	2
			171191007	1	1
			171192009	3	3
			171193007	2	2
			171630010	3	3
			172010010	3	3
5	IN	2001	180030004	2	2
			180030014	2	2

Number of Pair and Number of Quarters over which Pairs Spread
by Region/State/Site

5

Region	State	Year	Site	Total Number of Qtrs with Pairs for Bias	Total Num of Pairs for Bias
5	IN	2001	180390003	1	1
			180890027	2	2
			180892010	2	2
			180970042	4	4
			180970066	4	4
			181270020	2	2
			181411008	1	1
			181670018	1	1
			181670023	1	1
5	MI	2001	260170014	2	2
			260550003	1	1
			261150005	2	2
			261450018	2	2
			261610008	1	1
			261630016	2	2
5	MN	2001	270530963	1	1
			270953051	2	2
			271095008	2	2
			271230871	2	2
5	OH	2001	390090003	3	3
			390230005	2	2
			390350038	4	4
			390350065	3	3
			390351002	4	4
			390490025	1	1
			390490081	4	4
			390610040	3	3
			390610042	2	2
			390610043	1	1
			390851001	4	4
			390950025	2	2

Number of Pair and Number of Quarters over which Pairs Spread
by Region/State/Site 6

Region	State	Year	Site	Total Number of Qtrs with Pairs for Bias	Total Num of Pairs for Bias
5	OH	2001	390990005	3	3
			391450013	3	3
			391510020	4	4
			391530023	4	4
5	WI	2001	550250025	2	2
			550250047	1	1
			550590019	3	3
			551050002	1	1
			551330027	3	3
			551330034	3	3
6	AR	2001	050010010	2	2
			050450002	3	3
			050690005	3	3
			051390004	2	2
			051390005	1	1
			051450001	3	3
6	LA	2001	220330002	3	3
			220470005	3	3
			220512001	3	3
			220730004	3	3
			220870004	3	3
6	NM	2001	350010023	3	3
			350019004	2	2
			350050005	2	2
			350250007	1	1
			350439004	3	3
6	OK	2001	400179001	3	3
			400190295	2	2
			400470554	2	2

**Number of Pair and Number of Quarters over which Pairs Spread
by Region/State/Site**

7

Region	State	Year	Site	Total Number of Qtrs with Pairs for Bias	Total Num of Pairs for Bias
6	OK	2001	400719003	3	3
			400819005	2	2
			401179007	3	3
			401190614	2	2
			401339006	3	3
6	TX	2001	480612002	2	2
			480850005	3	3
			481130020	3	3
			481130069	3	3
			481350003	2	2
			482010075	2	2
			482150043	3	3
			483030001	3	3
			483550020	3	3
			483550032	3	3
			483750005	2	2
			484790016	3	3
			7	IA	2001	190630003	3	3
191530059	4	4			
191532520	4	4			
191550009	3	3			
191692530	4	4			
191930017	4	4			
7	KS	2001	200910008	2	2
			200910009	2	2
			201730008	3	3
			201910002	3	3
7	MD	2001	290370003	2	3
			290390001	3	3
			290470041	3	3

Number of Pair and Number of Quarters over which Pairs Spread 8
by Region/State/Site

Region	State	Year	Site	Total Number of Qtrs with Pairs for Bias	Total Num of Pairs for Bias
7	MD	2001	290950037	3	3
			295100007	2	2
			295100087	3	3
7	NE	2001	310250002	2	2
			310270001	3	3
			310310001	2	2
			310550051	3	3
			310550052	3	3
			311530007	2	2
			311770002	1	1
8	CO	2001	080130003	4	4
			080390001	3	4
			080410008	3	3
			081070003	3	3
			081230008	4	4
8	MT	2001	300290039	1	1
			300290047	2	2
			300470013	1	1
8	ND	2001	380130003	3	3
			380890002	2	2
8	SD	2001	460130003	3	3
			460930001	3	3
			461030017	3	3
8	UT	2001	490350012	3	3
			490353003	3	3
			490495008	3	3
8	WY	2001	560330001	3	3

Number of Pair and Number of Quarters over which Pairs Spread
by Region/State/Site

9

Region	State	Year	Site	Total Number of Qtrs with Pairs for Bias	Total Num of Pairs for Bias
9	AZ	2001	040190011	1	1
9	CA	2001	060010007	1	1
			060111002	3	3
			060170012	3	3
			060195001	2	2
			060250003	3	3
			060251003	2	2
			060371301	3	3
			060371601	3	3
			060372005	3	3
			060379002	2	2
			060510001	1	1
			060570005	3	3
			060610006	3	3
			060631006	3	3
			060730001	3	3
			060811001	1	1
			060950004	1	1
			061072002	3	3
			061113001	3	3
9	HI	2001	150090006	3	3
9	NV	2001	320030022	3	3
			320310016	3	3
10	AK	2001	020900010	1	3
			022900003	1	3
10	ID	2001	160050006	2	2
			160190010	2	2
			160830010	2	2

Number of Pair and Number of Quarters over which Pairs Spread
by Region/State/Site 10

Region	State	Year	Site	Total Number of Qtrs with Pairs for Bias	Total Num of Pairs for Bias
10	OR	2001	410090004	1	1
			410250002	2	2
			410291001	2	2
			410292129	2	2
			410330107	1	1
			410350004	2	2
			410370001	2	2
			410370003	2	2
10	WA	2001	530010003	2	2
			530110013	2	2
			530110020	1	1
			530150015	1	2
			530330017	2	2
			530330024	2	2
			530410006	1	1
			530530029	2	2
			530531018	2	2
			530570014	2	2
			530630016	2	2
			530750003	2	2

Attachment IVF Site/Days where PEP Values Have No State Matching Sample

Site/Days and PEP Concs where Performance Evaluation Performed 1
but No Matching AIRS Value Exists, for 031802 Extraction

State	AIRS Site	Date	PEP Conc
AK	020900010	10/31/2001	22.102
AL	010030010	10/10/2001	8.239
	010270001	10/04/2001	22.458
	010732003	10/04/2001	38.1
	010970002	10/10/2001	8.693
AR	050010010	05/19/2001	10.815
	050010010	08/08/2001	23.163
	050010010	11/06/2001	16.553
	050450002	11/06/2001	16.146
	050690005	11/06/2001	21.109
	051390004	01/22/2001	21.716
	051390004	10/25/2001	9.442
	051450001	11/06/2001	15.483
AZ	040051008	01/31/2001	4.536
	040051008	04/25/2001	5.285
	040051008	07/24/2001	6.159
	040051008	10/22/2001	4.368
	040190011	05/01/2001	9.78
	040190011	07/30/2001	5.909
	040190011	10/28/2001	8.115
	040213002	01/31/2001	2.081
	040213002	04/25/2001	7.33
	040213002	07/25/2001	7.993
	040213002	10/22/2001	6.284
	040230004	02/06/2001	10.817
	040230004	05/01/2001	11.243
	040230004	07/30/2001	5.7
	040230004	10/28/2001	11.86
CA	060010007	03/26/2001	8.985
	060010007	05/31/2001	10.908
	060010007	09/10/2001	7.862
	060010007	12/09/2001	11.574
	060111002	12/09/2001	2.621
	060192025	01/25/2001	10.875
	060192025	06/12/2001	5.622
	060192025	08/23/2001	5.956

Site/Days and PEP Concs where Performance Evaluation Performed
but No Matching AIRS Value Exists, for 031802 Extraction

2

State	AIRS Site	Date	PEP Conc	
CA	060195001	11/27/2001	49.455	
	060250003	10/31/2001	3.869	
	060333001	03/14/2001	6.157	
	060333001	06/06/2001	3.37	
	060333001	09/10/2001	6.947	
	060333001	12/09/2001	1.414	
	060371301	11/15/2001	39.827	
	060371601	11/15/2001	39.384	
	060372005	11/30/2001	17.725	
	060379002	07/12/2001	8.236	
	060379002	10/10/2001	9.28	
	060570005	10/28/2001	10.897	
	060610006	12/03/2001	5.33	
	060631006	12/18/2001	11.064	
	060650025	01/16/2001	9.908	
	060650025	05/16/2001	51.582	
	060650025	11/15/2001	23.589	
	060730001	11/06/2001	37.478	
	060811001	05/31/2001	14.065	
	060811001	09/10/2001	7.948	
	060950004	05/31/2001	12.52	
	060950004	09/10/2001	6.909	
	060950004	12/06/2001	7.491	
	061072002	11/27/2001	41.418	
	061113001	11/27/2001	3.081	
	CO	080390001	12/06/2001	0.916
		080410008	12/06/2001	3.079
081070003		12/03/2001	12.781	
CT	090010113	07/18/2001	16.937	
	090010113	10/31/2001	15.397	
	090013005	07/18/2001	18.136	
	090013005	10/31/2001	11.277	
	090099005	07/18/2001	11.903	
	090099005	10/31/2001	13.866	
DC	110003200	04/04/2001	9.283	
	110010041	11/06/2001	9.111	
	110010042	11/06/2001	6.199	

Site/Days and PEP Concs where Performance Evaluation Performed
but No Matching AIRS Value Exists, for 031802 Extraction

3

State	AIRS Site	Date	PEP Conc
DE	100031012	10/04/2001	26.488
FL	120090007	10/31/2001	6.665
	120090007	11/03/2001	11.043
	120112004	10/31/2001	6.655
	120113002	10/31/2001	5.497
	120330025	01/10/2001	16.614
	120330025	04/04/2001	8.448
	120330025	06/27/2001	23.257
	120330025	09/19/2001	15.877
	120330026	01/10/2001	10.86
	120330026	04/04/2001	8.998
	120330026	06/27/2001	22.343
	120330026	09/19/2001	15.268
	120990009	10/31/2001	9.28
HI	150090006	11/15/2001	3.25
IA	191550009	11/06/2001	15.6
ID	160050006	07/18/2001	5.948
	160050006	12/12/2001	19.594
	160190010	07/18/2001	5.826
	160190010	12/12/2001	21.608
	160830010	07/15/2001	5.782
	160830010	12/12/2001	11.694
IL	170310057	11/06/2001	15.932
	170314006	01/22/2001	44.834
	170316005	11/06/2001	14.277
	171190023	05/31/2001	22.126
	171190023	12/12/2001	16.847
	171192009	11/21/2001	8.03
	171193007	12/12/2001	11.19
	171630010	11/21/2001	10.115
	172010010	09/04/2001	6.079
IN	180030004	07/24/2001	13.911
	180030004	10/10/2001	12.66
	180030014	07/24/2001	14.072

Site/Days and PEP Concs where Performance Evaluation Performed
but No Matching AIRS Value Exists, for 031802 Extraction

4

State	AIRS Site	Date	PEP Conc
IN	180030014	10/10/2001	11. 314
	180390003	09/10/2001	9. 321
	180890027	09/25/2001	5. 199
	180890027	11/27/2001	11. 19
	180892010	09/25/2001	6. 446
	180892010	11/27/2001	12. 401
	180970018	05/01/2001	22. 992
	180970018	09/25/2001	2. 747
	180970023	05/01/2001	20. 811
	180970023	09/25/2001	3. 006
	181270020	09/25/2001	3. 996
	181270020	12/03/2001	15. 119
	181411008	12/18/2001	18. 344
	181670018	11/06/2001	14. 821
	181670023	11/06/2001	11. 978
KS	200910008	11/12/2001	10. 903
	200910009	11/12/2001	10. 856
	201730008	11/15/2001	22. 709
	201910002	11/15/2001	19. 891
KY	210290006	10/31/2001	20. 508
	210930005	03/08/2001	16. 762
	210930005	06/21/2001	24. 545
	210930005	08/08/2001	22. 175
	210930005	10/31/2001	16. 93
	212270007	10/31/2001	18. 769
LA	220330002	07/18/2001	27. 214
	220330002	10/16/2001	7. 03
	220470005	10/16/2001	7. 867
	220512001	10/22/2001	22. 595
	220730004	10/25/2001	8. 239
	220870004	10/16/2001	6. 909
MA	250033001	01/10/2001	7. 198
	250033001	04/07/2001	7. 739
	250033001	07/12/2001	5. 199
	250033001	11/27/2001	10. 482
	250052004	04/07/2001	6. 114

Site/Days and PEP Concs where Performance Evaluation Performed
but No Matching AIRS Value Exists, for 031802 Extraction

5

State	AIRS Site	Date	PEP Conc
MA	250052004	07/12/2001	5.324
	250052004	11/27/2001	10.694
	250170008	08/20/2001	20.923
	250170008	09/25/2001	6.406
	250170008	12/12/2001	12.478
	250250043	06/27/2001	25.251
	250250043	09/25/2001	8.069
	250250043	12/06/2001	16.806
	250270016	04/19/2001	7.654
	250270016	07/30/2001	7.903
	250270016	12/03/2001	13.643
	MD	240030014	04/10/2001	14.357
240030014		10/10/2001	6.327
240031003		01/10/2001	12.697
240031003		10/10/2001	9.485
240051007		10/10/2001	8.954
245100049		10/16/2001	11.194
ME	230050015	11/15/2001	28.833
	230310008	11/15/2001	24.958
MI	260170014	08/23/2001	15.221
	260170014	10/04/2001	4.658
	260550003	11/15/2001	38.926
	260610008	03/14/2001	12.369
	261150005	07/12/2001	4.952
	261150005	10/25/2001	5.329
	261450018	09/10/2001	5.449
	261450018	10/04/2001	4.244
	261610008	07/12/2001	5.532
	261610008	12/27/2001	10
	261630016	07/12/2001	6.204
	261630016	10/25/2001	5.282
MN	270370470	06/21/2001	4.747
	270370470	09/13/2001	3.039
	270530963	10/31/2001	16.155
	271095008	12/06/2001	5.16
	271230871	10/31/2001	16.102

Site/Days and PEP Concs where Performance Evaluation Performed
but No Matching AIRS Value Exists, for 031802 Extraction

6

State	AIRS Site	Date	PEP Conc
MN	271453052	07/12/2001	6. 258
MD	290370003	10/31/2001	16. 104
	290390001	10/31/2001	15. 604
	290470041	11/14/2001	25. 127
	290950037	10/31/2001	15. 767
	295100007	06/18/2001	15. 446
	295100007	11/27/2001	5. 579
	295100087	11/27/2001	8. 736
MS	280350004	10/10/2001	11. 188
	280470006	10/10/2001	9. 993
	280590006	10/10/2001	9. 11
	280670002	10/10/2001	12. 582
	281090001	10/10/2001	11. 217
MT	300290009	11/12/2001	35. 728
	300290009	12/15/2001	10. 792
	300290009	12/18/2001	12. 877
	300290047	08/14/2001	16. 018
	300290047	11/12/2001	33. 836
	300470013	05/22/2001	5. 659
	300470013	08/14/2001	16. 275
	300470013	11/12/2001	23. 929
	300870307	02/06/2001	3. 208
	300870307	08/14/2001	13. 895
	300870307	10/19/2001	2. 29
NC	370610002	06/21/2001	14. 186
	370610002	11/15/2001	8. 372
	371330005	06/21/2001	10. 11
	371330005	11/15/2001	6. 823
	371390001	08/29/2001	28. 542
	371390002	11/15/2001	35. 855
	371390002	11/18/2001	6. 738
	371470005	11/15/2001	9. 072
	371910005	11/15/2001	10. 025
ND	380130003	10/16/2001	2. 873

Site/Days and PEP Concs where Performance Evaluation Performed 7
but No Matching AIRS Value Exists, for 031802 Extraction

State	AIRS Site	Date	PEP Conc
NE	310250002	11/06/2001	12.691
	310270001	10/16/2001	3.038
	310310001	10/10/2001	3.993
	310550051	10/25/2001	3.952
	310550052	10/25/2001	3.371
	311530007	11/06/2001	12.859
	311770002	10/25/2001	3.954
NH	330012004	06/18/2001	9.568
	330012004	12/15/2001	3.702
	330110019	03/23/2001	2.288
	330110020	10/04/2001	27.912
	330135001	10/10/2001	7.155
NJ	340071007	07/12/2001	8.654
	340071007	10/16/2001	12.935
	340130015	02/21/2001	11.277
	340130015	04/25/2001	7.157
	340130015	07/18/2001	26.203
	340130015	10/22/2001	14.817
	340130015	10/25/2001	13.189
	340155001	07/12/2001	7.736
	340155001	10/16/2001	10.152
	340292002	02/24/2001	9.902
	340292002	07/18/2001	21.554
	340292002	10/22/2001	20.18
	340292002	10/25/2001	8.944
	340410006	07/24/2001	20.44
340410006	10/16/2001	9.57	
NM	350010023	11/02/2001	9.573
	350019004	08/11/2001	4.575
	350050005	08/05/2001	10.439
	350050005	10/31/2001	6.446
	350250007	05/10/2001	8.034
	350250007	08/05/2001	10.863
	350250007	10/22/2001	6.282
350439004	11/03/2001	9.326	
NV	320030022	10/16/2001	2.871

Site/Days and PEP Concs where Performance Evaluation Performed
but No Matching AIRS Value Exists, for 031802 Extraction

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State	AIRS Site	Date	PEP Conc
NV	320310016	12/18/2001	14. 236
NY	360050080	11/06/2001	5. 535
	360050110	11/06/2001	6. 158
	360130011	10/31/2001	10. 732
	360271004	10/31/2001	9. 401
	360470076	12/03/2001	26. 87
	360610079	11/06/2001	4. 617
	360610079	11/27/2001	17. 557
	360632008	10/31/2001	10. 04
	360652001	10/31/2001	15. 021
	360810094	11/27/2001	16. 012
	360810094	12/03/2001	24. 087
	360810096	11/27/2001	17. 73
	360810096	12/03/2001	24. 144
	360810097	06/27/2001	32. 472
OH	390090003	12/06/2001	8. 032
	390610040	11/15/2001	23. 309
	390610042	11/15/2001	29. 468
	390610042	12/18/2001	12. 742
	390610043	11/15/2001	31. 509
	390611143	12/27/2001	9. 076
	391450013	12/06/2001	18. 992
OK	400179001	11/27/2001	2. 248
	400190295	09/19/2001	8. 92
	400190295	11/27/2001	2. 955
	400470554	08/23/2001	7. 319
	400470554	12/09/2001	3. 497
	400819005	09/10/2001	5. 371
	400819005	11/27/2001	2. 664
	401091038	03/11/2001	13. 913
	401091038	06/05/2001	15. 138
	401091038	09/08/2001	7. 161
	401091038	11/27/2001	2. 746
	401179007	12/09/2001	4. 619
	401190614	08/23/2001	8. 495
	401190614	12/09/2001	4. 202
	401339006	11/27/2001	2. 875

Site/Days and PEP Concs where Performance Evaluation Performed
but No Matching AIRS Value Exists, for 031802 Extraction

9

State	AIRS Site	Date	PEP Conc	
OR	410090004	02/06/2001	7.4	
	410090004	07/12/2001	6.904	
	410090004	10/19/2001	6.904	
	410090004	12/03/2001	3.18	
	410250002	10/22/2001	4.826	
	410250002	12/15/2001	7.869	
	410291001	10/25/2001	6.411	
	410291001	12/18/2001	5.035	
	410292129	10/25/2001	13.851	
	410292129	12/18/2001	10.942	
	410330107	08/20/2001	4.285	
	410330107	10/25/2001	3.33	
	410330107	12/18/2001	7.948	
	410350004	06/28/2001	2.953	
	410350004	10/23/2001	6.447	
	410350004	12/15/2001	9.235	
	410370001	10/25/2001	3.33	
	410370001	10/28/2001	7.361	
	410370003	10/28/2001	7.115	
	410370003	12/15/2001	1.415	
	PA	420030007	12/19/2001	14.811
		420030095	03/29/2001	20.355
		420030095	09/28/2001	7.992
420030095		12/19/2001	19.318	
420031008		08/29/2001	13.28	
420031008		12/06/2001	14.976	
420033007		03/29/2001	19.148	
420033007		09/28/2001	8.447	
420039002		06/30/2001	30.809	
420039002		08/29/2001	10.571	
420039002		12/06/2001	13.317	
420450002		08/17/2001	25.689	
420450002		11/27/2001	17.735	
420910013		09/04/2001	20.936	
420910013		11/27/2001	21.39	
421250005		09/13/2001	23.76	
421250005		12/27/2001	7.822	
421250200	09/13/2001	20.552		
421250200	12/27/2001	9.611		

Site/Days and PEP Concs where Performance Evaluation Performed 10
but No Matching AIRS Value Exists, for 031802 Extraction

State	AIRS Site	Date	PEP Conc
PR	720690001	08/29/2001	6.908
	720690001	12/12/2001	4.245
	720810001	08/29/2001	5.502
	720810001	12/12/2001	2.455
	720970003	08/29/2001	8.401
	720970003	12/12/2001	4.866
RI	440030002	09/19/2001	9.359
	440030002	11/06/2001	3.411
	440090007	09/19/2001	10.816
	440090007	11/06/2001	2.828
SD	460130003	10/13/2001	3.579
	460930001	10/10/2001	3.037
	461030017	10/10/2001	3.329
TN	470370025	10/25/2001	4.411
	470650032	10/16/2001	6.115
	470931017	10/16/2001	6.991
	470931020	10/16/2001	6.576
	471251009	10/28/2001	12.315
	471650007	10/25/2001	4.451
TX	480612002	10/13/2001	7.868
	480850005	11/30/2001	8.78
	481130020	11/30/2001	9.869
	481130069	11/30/2001	8.526
	481350003	02/06/2001	7.237
	481350003	10/16/2001	5.45
	482010075	04/19/2001	12.945
	482010075	12/06/2001	11.196
	482011037	01/31/2001	5.947
	482150043	10/13/2001	10.605
	482151042	04/22/2001	15.401
	482151042	07/15/2001	10.19
	482151042	10/13/2001	10.155
	483030001	10/22/2001	6.991
	483550020	10/07/2001	10.9
483550032	10/07/2001	13.362	
483750005	03/08/2001	11.562	

Site/Days and PEP Concs where Performance Evaluation Performed 11
but No Matching AIRS Value Exists, for 031802 Extraction

State	AIRS Site	Date	PEP Conc
TX	483750005	10/21/2001	9.45
	484790016	07/13/2001	18.068
	484790016	10/13/2001	13.063
UT	490050002	01/25/2001	32.403
	490050002	06/18/2001	4.991
	490050002	07/12/2001	5.407
	490050004	11/15/2001	11.688
	490350012	11/15/2001	26.224
VA	511390004	11/21/2001	17.972
	515200006	12/12/2001	4.995
	515500012	04/19/2001	11.522
	515500012	10/25/2001	9.362
	517000013	10/25/2001	9.908
	517100024	10/25/2001	10.863
VI	780010012	08/23/2001	15.635
	780010012	11/15/2001	5.116
VT	500030005	10/25/2001	12.561
WA	530010003	07/24/2001	4.951
	530010003	11/15/2001	4.494
	530110013	10/10/2001	10.572
	530110013	12/03/2001	7.62
	530110020	10/10/2001	9.241
	530110020	12/03/2001	7.24
	530150015	10/10/2001	12.481
	530150015	12/03/2001	9.695
	530330017	08/02/2001	6.822
	530330017	12/12/2001	3.25
	530330024	07/30/2001	4.575
	530330024	12/09/2001	8.158
	530530029	08/02/2001	3.286
	530530029	11/27/2001	18.229
	530531018	11/27/2001	17.059
	530531018	12/12/2001	6.987
530570014	07/30/2001	4.866	
530570014	12/09/2001	5.661	

Attachment IVG. Bias Estimates > 50% or < -50%

Biases > 50% or < -50%

1

State	AIRS Site	Method	Prim		Bias > Conc			Quarter	Date
			Conc.	PE Conc.	Bias (%)	50%?	<= 6?		
CA	060510001	120	8.00	4.91	62.9	*	*	2	06/30/2001
CO	081070003	117	2.10	7.36	-71.5	*	*	3	08/29/2001
IL	170310057	120	23.90	54.02	-55.8	*		1	01/22/2001
IN	180390003	118	18.60	9.00	106.7	*		2	05/01/2001
MA	250170008	120	1.00	20.10	-95.0	*	*	1	01/04/2001
MD	245100049	120	7.50	0.13	5900.0	*	*	2	04/25/2001
NE	310270001	118	1.40	15.72	-91.1	*	*	1	03/20/2001
NJ	340155001	118	2.30	9.61	-76.1	*	*	2	04/19/2001
NJ	340410006	118	26.30	8.49	209.8	*		1	03/20/2001
		118	1.30	4.99	-74.0	*	*	2	04/28/2001
OH	390230005	120	0.60	18.36	-96.7	*	*	3	07/18/2001
OR	410291001	118	1.10	2.62	-58.0	*	*	2	06/27/2001
OR	410370001	118	2.10	4.37	-51.9	*	*	2	06/30/2001
SD	460930001	120	1.20	4.12	-70.9	*	*	1	03/14/2001

Attachment IVH. Site Data Where There is at least 1 Value $> 50\%$ or $< -50\%$

All Biases for Sites with at least 1 Bias > 50% or < 50%

1

State	AIRS Site	Method	Prim		Bias (%)	Bias > Conc		Quarter	Date
			Conc.	PE Conc.		50%?	<= 6?		
CA	060510001	120	8.0	4.911	62.90	*	*	2	06/30/2001
CO	081070003	117	13.2	12.817	2.99			1	01/31/2001
		117	5.9	7.241	-18.52		*	2	04/25/2001
		117	2.1	7.362	-71.48	*	*	3	08/29/2001
IL	170310057	120	23.9	54.016	-55.75	*		1	01/22/2001
		120	16.1	16.47	-2.25			2	06/12/2001
		120	15.7	16.018	-1.99			3	08/29/2001
IN	180390003	118	18.6	9	106.67	*		2	05/01/2001
MA	250170008	120	1.0	20.103	-95.03	*	*	1	01/04/2001
MD	245100049	120	15.8	16.107	-1.91			1	01/16/2001
		120	7.5	0.125	5900.00	*	*	2	04/25/2001
		120	8.3	9.918	-16.31			3	07/30/2001
NE	310270001	118	1.4	15.722	-91.10	*	*	1	03/20/2001
		118	2.9	3.494	-17.00		*	2	05/22/2001
		118	4.8	5.116	-6.18		*	3	09/13/2001
NJ	340155001	118	15.5	15.645	-0.93			1	02/27/2001
		118	2.3	9.612	-76.07	*	*	2	04/19/2001
NJ	340410006	118	26.3	8.49	209.78	*		1	03/20/2001
		118	1.3	4.992	-73.96	*	*	2	04/28/2001
OH	390230005	120	17.8	19.224	-7.41			2	05/10/2001
		120	0.6	18.357	-96.73	*	*	3	07/18/2001
OR	410291001	118	1.1	2.621	-58.03	*	*	2	06/27/2001
		118	3.9	3.993	-2.33		*	3	08/20/2001
OR	410370001	118	2.1	4.367	-51.91	*	*	2	06/30/2001
		118	2.3	3.494	-34.17		*	3	08/23/2001
SD	460930001	120	1.2	4.12	-70.87	*	*	1	03/14/2001
		120	4.0	3.536	13.12		*	2	04/13/2001