

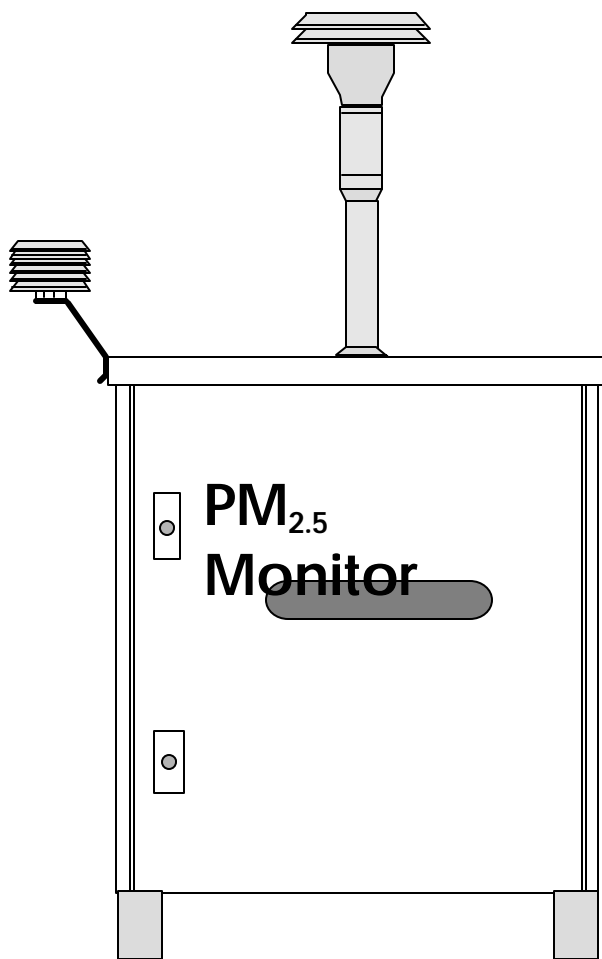
# PM<sub>2.5</sub> Monitoring Network

Update for May 2000 Workshop  
Participants

May 22, 2000

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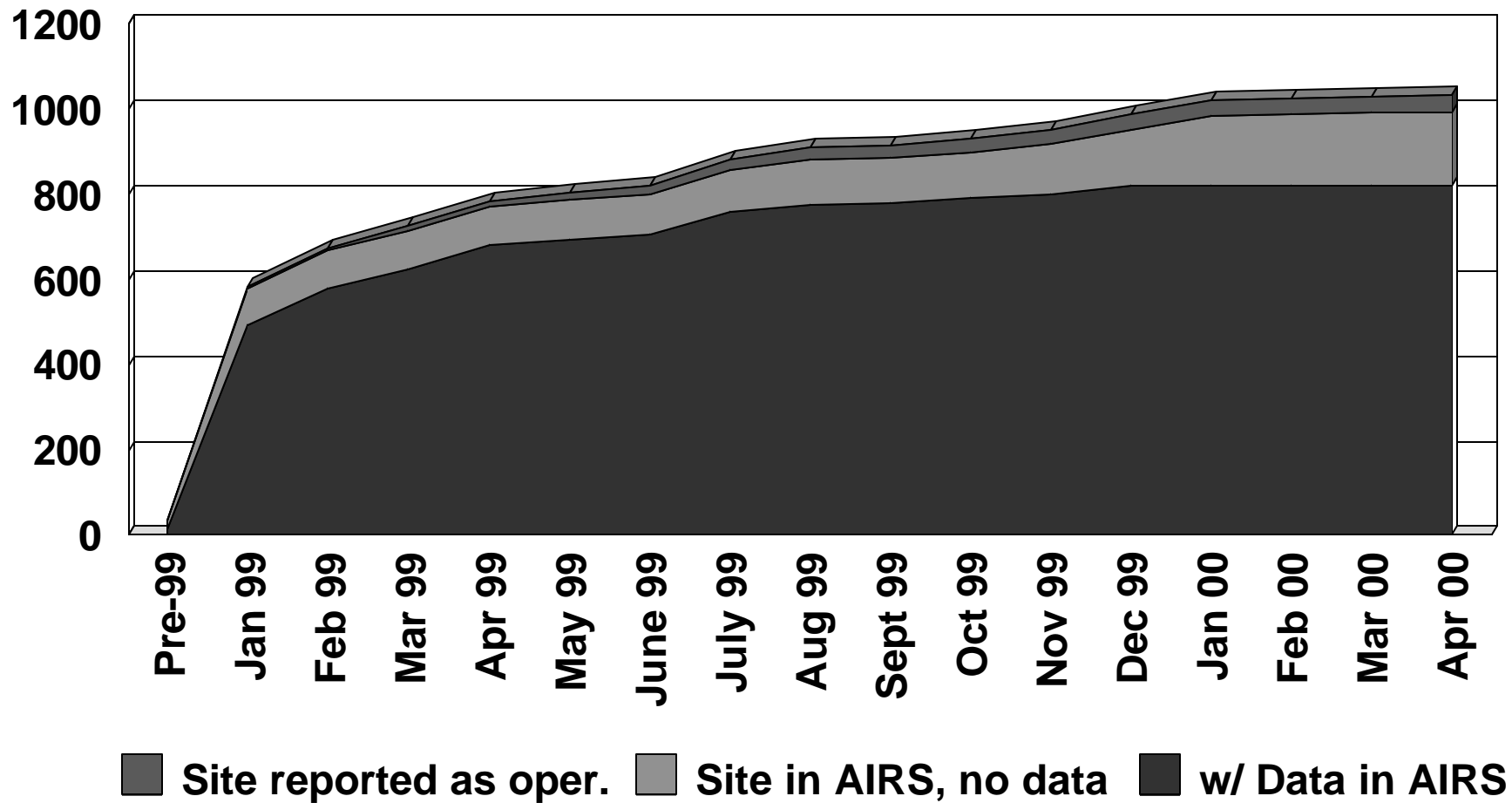


# PM<sub>2.5</sub> Network Elements



- **Compliance, or mass, sites** (Federal Reference Methods (FRMs)) ~ 850 minimally required PLUS ~200-250 additional FRMs.
  - Of this total number of FRMs (1,050-1,100), 1,033 are operating.
- **IMPROVE** -- 110 + 15 Sites at request of States and tribal agencies.
  - 60 installed, remainder this summer.
  - 15 add'l State/tribal sites also to be installed this year (part of speciation plans).
- **Chemical Speciation** ~ 300 (54 required, long-term sites + up to 246 add'l sites)
  - Initial sites (15) began operation; remainder of trends sites by 12/31/00 & supplemental by 11/01.
- **Continuous** ~50 required in cities with populations > 1million + ~50 add'l sites.
  - 123 are operating now, another ~90 expected by mid-2000.
- **Supersites** -- 8 areas
  - Atlanta, Baltimore, Fresno, Houston, Los Angeles, New York, Pittsburgh, St. Louis.

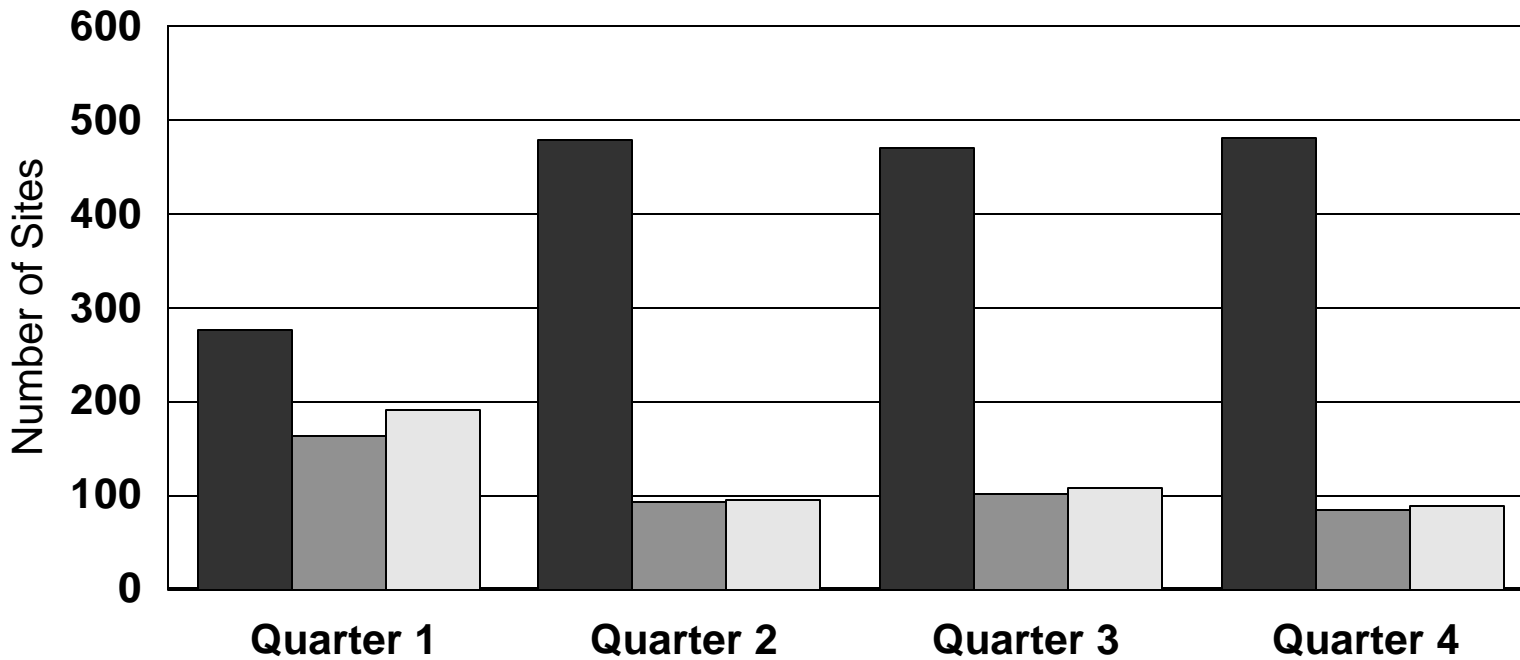
# PM<sub>2.5</sub> FRM Deployment



Based upon information in AIRS as of May 1, 2000.

# Data Capture by Quarter, 1999

Primary samplers only (lowest POC)



**1033**  
FRM Sites  
operating  
as of 5/00

Number of sites  
reporting data:

633

667

680

654

Number of sites  
operating:

715

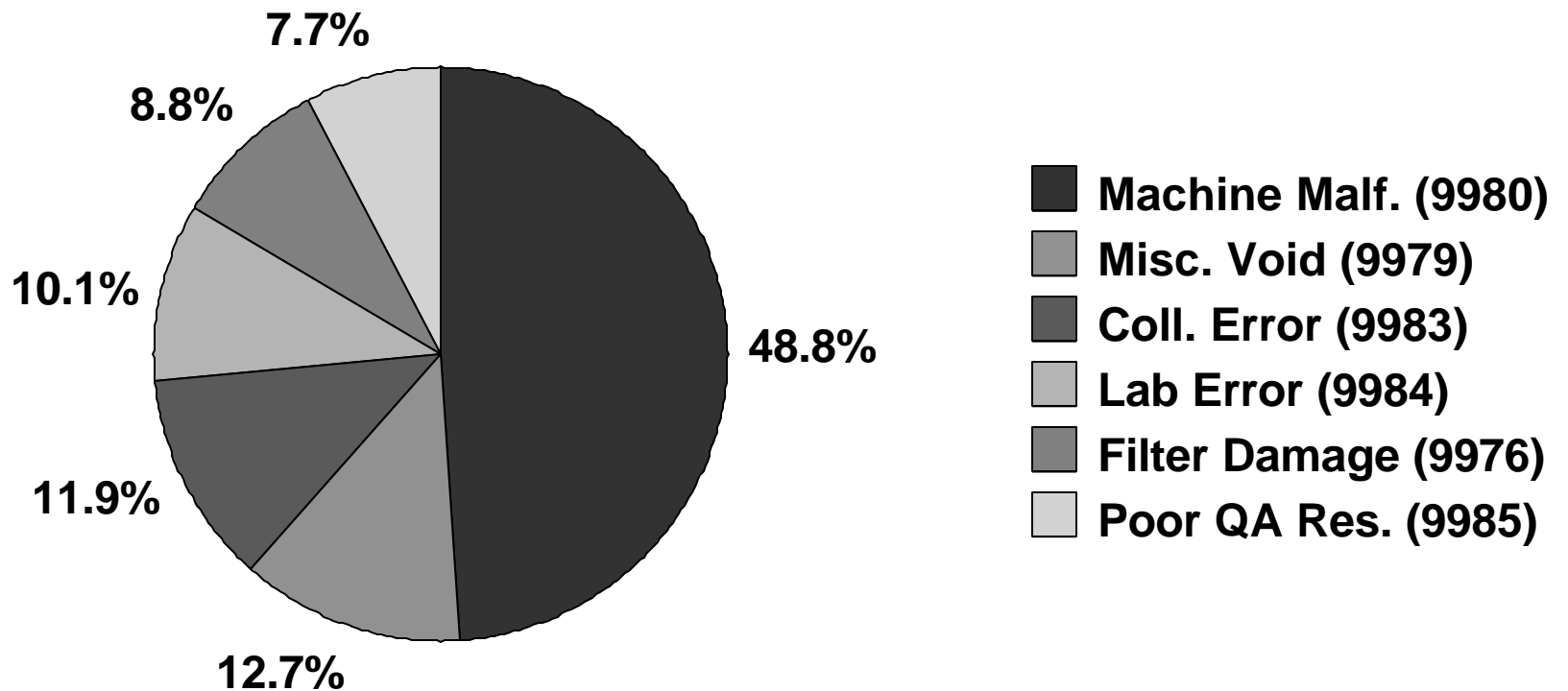
802

887

952

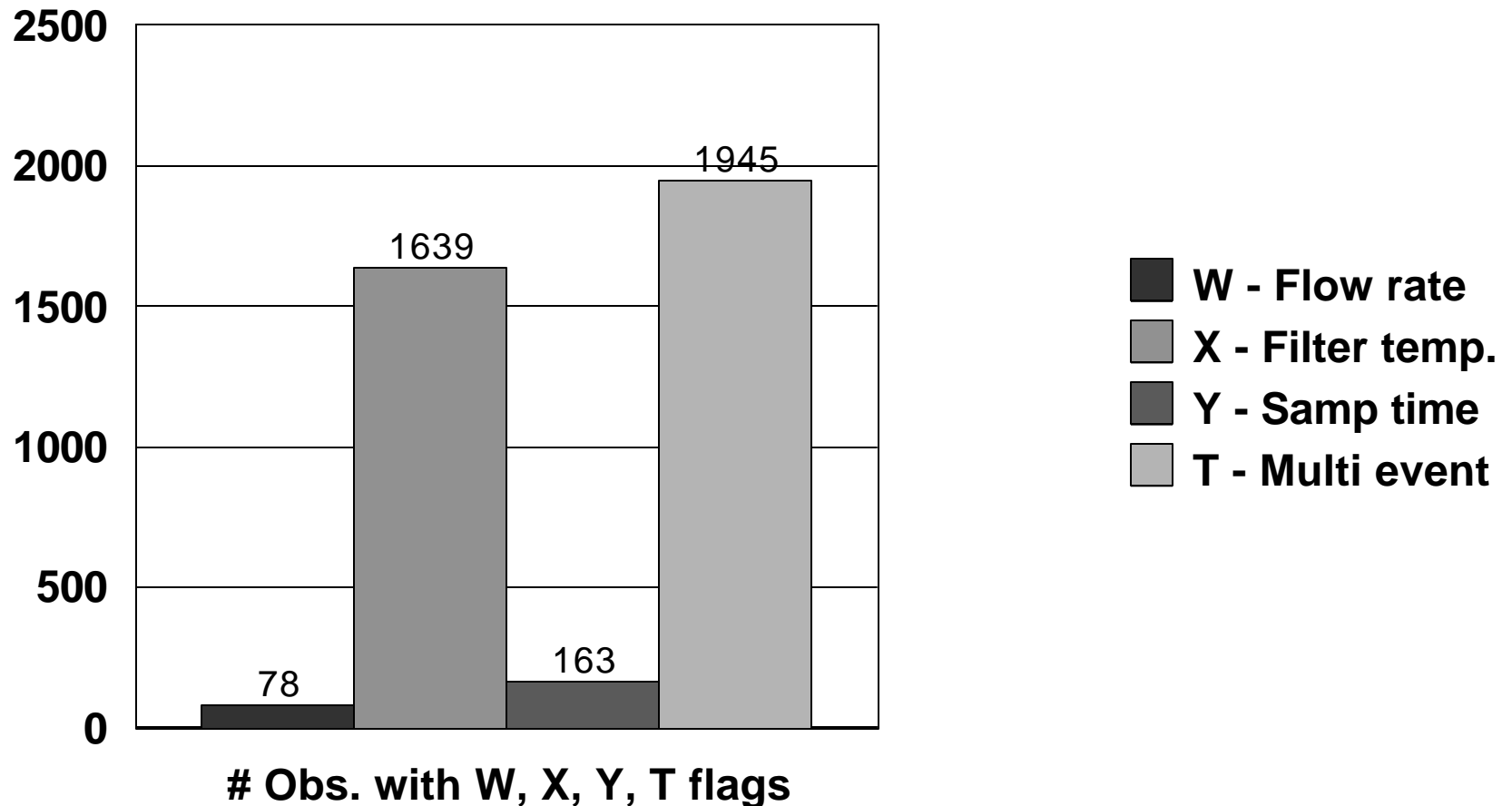
- 867 FRM sites have data in AIRS (5/1/00).
- Of these, **207 sites have 4 complete quarters (ge 75%).**

# 1999 PM<sub>2.5</sub> FRM Data - Null Values in AIRS



There are 8,918 null value reason codes entered in AIRS.  
6,733 of these fall into one of 6 codes, or 75% of total.

# 1999 PM<sub>2.5</sub> FRM Data - Flagged Data in AIRS



There are ~3,825 flagged (W, X, Y, T) conc. data values in AIRS as of 5/00.  
Plus ~45 sites are flagged for exceptional events in AIRS.

# Discussion for Workshop



- What are the major issues that we are still dealing with in the FRM program?
  - Sampler issues ( e.g., WINS oil crystallization)
  - Data management & reporting to AIRS.
  - Contract & resources.
- What will our approaches be?