DATA FLAGGING IN AIRS-AQS

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CURRENT AQS

- Field Name – Validity Flag
- One flag per raw data value
  - Allowable flags – controlled by pollutant
  - Allowable flags per pollutant - limit to 20
- Types
  - Valid data
  - Exceptional event
  - Quality assurance
- Duplicate summaries both with & without
- Regional concurrence for exceptional events

RE-ENGINEERED AQS

- Field Name – Qualifier
- Maximum 10 qualifiers per raw data value – any parameter
- Types
  - Exceptional event
  - Quality assurance – valid data
- Duplicate summaries for exceptional
- No summary for quality assurance qualifiers
- Regional concurrence for exceptional events

Quality Assurance Flags

1	Deviation from a CFR/Critical Criteria..
2	Operational Deviation
3	Field Issue
4	Lab Issue
5	Outlier
6	QAPP Issue
T	Multiple PM2.5 Quality Assurance Flag
V	Validated Value
W	Flow Rate Average Out of Spec.
X	Filter Temp Difference Out of Spec.
Y	Elapsed Sample Time Out of Spec.

Exceptional Event Flags

A	High Winds
B	Stratospheric Ozone Intrusion - Not in current
C	Volcanic Eruption – Not in current
D	Sandblasting – Not in current
E	Forest Fires
F	Structural Fire
G	High Pollen Count – Not in current
H	Chemical Spill/Industrial Accident – Not in current
I	Unusual Traffic Congestion – Not in current
J	Construction/Demolition

Exceptional Event Flags

K	Agricultural Tilling
L	Highway Construction
M	Rerouting of Traffic – Not in current
N	Sanding/Salting of Streets
O	Infrequent Large Gatherings – Not in current
P	Roofing Operations
Q	Prescribed Burning
R	Clean up After Major Disaster – Not in current
S	Seismic Activity – Not in current
U	Sahara Dust