

## DISCOVER-AQ Daily Observational Status

**Date: 22 July 2011**

### Status definitions:

**Green = Full Capability (no comment required)**

**Yellow = Partial Capability (comment on specific instruments or variables compromised)**

**Red = Severe or Total Loss of Capability (comment on prognosis for recovery)**

P-3B	Status	Comment
LARGE (Anderson)	Green	
NOxyO3 (Weinheimer)	Green	
TD-LIF (Cohen)	Green	
DFGAS (Fried)	Green	
DACOM (Diskin)	Green	
DLH (Diskin)	Green	
AVOCET (Vay)	Green	
PTR-MS (Wisthaler)	Green	
PDS (Barrick)	Green	
REVEAL (Van Gilst)	Green	
UC-12	Status	Comment
HSRL (Hostetler)	Yellow	Lost 1 hour of data on first sortie; operational for remainder of day
ACAM (Janz)	Green	
Ground	Status	Comment
Pandora (Herman)	Yellow	Essex (filter wheel problems; heat related?); will require replacement of filter wheel or repositioning of another instrument
NATIVE (Thompson)	Green	See attached
UMBC (Hoff)	Green	
Millersville (Clark)	Green	
Aeronet (Holben)	Green	
HU-Beltsville (Joseph)	Green	
EPA (Szykman)	Yellow	Padonia instruments down due to condensation in equipment after overnight AC reached 55 deg F (status uncertain)
COMMIT (Tsay)	Green	
MDE Sites	Status	Comment
Aldino	Green	
Edgewood	Green	
Essex	Green	
Fairhill	Green	
Padonia	Green	
HU-Beltsville	Green	

## NATIVE-EDGEWOOD Daily Observational Status

Date: 22 July 2011

### Status Definitions:

Green = Full Capability (no comment required)

Yellow = Partial Capability (comment on status)

Red = Severe or Total Loss of Capability (comment on status)

Meteorological	Status	Comments
Wind Speed	Green	
Wind Direction	Green	
Temperature	Red	Not reading correctly
Relative Humidity	Red	Not reading correctly
Pressure	Green	
J-NO <sub>2</sub> Radiometer	Green	
UV Shadowband	Green	
Leosphere Wind Lidar	Green	
Sonic Anemometer	Green	
Chemical/Particle Analyzers		
O <sub>3</sub>	Green	
NO	Green	
NO <sub>y</sub>	Green	
SO <sub>2</sub>	Green	
CO	Green	
NO photolytic	Green	
NO <sub>2</sub> photolytic	Green	
NO <sub>x</sub> photolytic	Green	
TEOM	Green	
MPL	Green	
Ozonesondes	Green	2 flights corresponding to P3 overpass: 15:07 and ~20:00 UTC
VOC canisters	Green	6 VOC canisters collected 1 hr each starting @ 14:00, 16:00, 18:00, 20:00, 23:00, 02:00 UTC
Fast Ozone Analyzer	Green	
PSU Pandora	Green	moved to Eagle Point as of morning 2011-07-22