

## DISCOVER-AQ Daily Observational Status

**Date: 5 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	CN counters and nephelometer performed well during flight
NOxyO3 (Weinheimer)	Green	
TD-LIF (Cohen)	Green	
DFGAS (Fried)	Red	Cooler failed during flight, only partial data
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)	Green	
ACAM (Janz)	Green	
Ground	Status	Comment
Pandora (Herman)	Green	10 locations up and running; experiencing problems at Oldtown; USNA still needs installation to be completed; working on ship based Pandora for GEO-CAPE cruises next week
NATIVE (Thompson)	Green	See attached report
UMBC (Hoff)	Green	
Millersville (Clark)	Green	
Aeronet (Holben)	Green	
HU-Beltsville (Joseph)	Green	Verbal permission from FAA to operate balloon to 1000 feet
EPA (Szykman)	Green	
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: 5 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	Instrument failure, working to fix it
Relative Humidity	Red	Instrument failure, working to fix it
Pressure	Green	
J-NO <sub>2</sub> Radiometer	Green	
UV Shadowband	Green	
Leosphere Wind Lidar	Green	
Chemical/Particle Analyzers		
O <sub>3</sub>	Green	
NO	Green	
NO <sub>y</sub>	Green	
SO <sub>2</sub>	Green	higher yesterday than previous days (perhaps from shallower PBL)
CO	Green	higher yesterday than previous days (perhaps from shallower PBL)
NO photolytic	Green	
NO <sub>2</sub> photolytic	Green	
NO <sub>x</sub> photolytic	Green	
TEOM	Green	pm10 now responding as of ~14:00 (local) 4-Jul-2010
MPL	Green	
Ozonesondes	Green	1 flight 3-Jul-2011 18:24 (UTC) corresponding to predicted Aura overpass 18:52; 1 flight set for 4-Jul-2011 17:25 (UTC) corresponding to predicted Aura overpass 17:57