

## DISCOVER-AQ Daily Observational Status

**Date: 4 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)	Yellow	spare CN counters delivered from Langley, nephelometer being purged; should be ready for tomorrow's flight
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)	Green	
ACAM (Janz)	Green	
Ground	Status	Comment
Pandora (Herman)	Green	Essex experiencing problems, will correct early on 7/5; USNA still needs installation to be completed
NATIVE (Thompson)	Green	See attached report
UMBC (Hoff)	Green	
Millersville (Clark)	Yellow	Still waiting for word on NO2 instrument
Aeronet (Holben)	Green	
HU-Beltsville (Joseph)	Yellow	Still waiting on FAA clearance for balloon
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: 4 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	Yellow	pm10 not responding, no errors detected
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