

## DISCOVER-AQ Daily Observational Status

**Date: 3 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	CCN fixed; hot and cold CN counters need repair due to moisture entering the system
NOxyO3 (Weinheimer)	Green	
TD-LIF (Cohen)	Green	
DFGAS (Fried)	Green	New pump installed (no down time for instrument)
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 collecting data, but internet download needs correction; UMBC collecting data, but cal file needed before data can be reported; problems encountered at UMCP and Oldtown; 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: 3 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	Installed 2-Jul-2011 20:40 (UTC), Lost power @ 2-Jul-2011 21:20 (UTC), Power back on and data collection resumed
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	Yellow	pm10 not responding, no errors detected
MPL	Green	
Ozonesondes	Green	2 flights on 2-Jul-2011 (~12:02;~15:44 local); 1 flight 3-Jul-2011, estimated launch 14:25 local

## **HU-BELTSVILLE (Daily) Observational Status**

**Date: 07/03/11**

### **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)**

Active Profilers	Status	Comment
Howard Raman Lidar (HURL)	Green	
Celiometer	Green	
Upper Air	Status	Comment
Ozone	Green	
PTU	Green	
Tethered Balloon		Comment
NO	Yellow	Balloon operation pending FAA clearance
PTU	Yellow	
Aerosol Spectrometer	Yellow	
O3	Yellow	
Aerosols	Status	Comment
AMS	Yellow	Expected re-deployment 07/08/11
PT-RMS	Yellow	Expected deployment 07/08/11
FMPS	Yellow	Maintenance
DMA	Yellow	Expected deployment 07/08/11
APS	Yellow	Maintenance
CCN	Yellow	Maintenance
Gas Analyzers		Comment
O3	Green	
NO	Green	
NOy	Green	
SO2	Green	
CO	Green	
Tower	Status	Comment
Latent Heat Flux	Yellow	Maintenance
Sensible Heat Flux	Green	
Ground Heat Flux	Green	
Net Read	Green	
Meteorology	Green	
Surface Radiation	Status	Comment
MFRSR	Yellow	Maintenance
Broadband Radiometers	Yellow	Tracker maintenance
Microwave Radiometer	Green	

(Profiler)		
Microwave Radiometer (Total Column)		