

DISCOVER-AQ Daily Observational Status

Date: 12 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)	Yellow	Replacing bad compressor; expect to be ready for flight by tomorrow
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	USNA still needs installation to be completed
NATIVE (Thompson)	Green	See attached
UMBC (Hoff)	Green	
Millersville (Clark)	Green	
Aeronet (Holben)	Green	
HU-Beltsville (Joseph)	Green	See attached
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: 12 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, bad RTD, bought new one, will be shipped on 15 July
Relative Humidity	Red	Instrument failure, bad RTD, bought new one, will be shipped on 15 July
Pressure	Green	
J-NO ₂ Radiometer	Green	
UV Shadowband	Green	
Leosphere Wind Lidar	Green	We think we fixed the data collection bug. We'll know for sure morning of 13 July.
Sonic Anemometer	Green	
Chemical/Particle Analyzers		
O ₃	Green	
NO	Green	
NO _y	Green	
SO ₂	Green	
CO	Green	
NO photolytic	Green	
NO ₂ photolytic	Green	
NO _x photolytic	Green	
TEOM	Green	
MPL	Green	
Ozonesondes	Green	1 flight on 12-July-2011 18:14 UTC corresponding with Aura overpass @ ~18:47
VOC canisters	Green	1 VOC canister on 12-July-2011 18:00-19:00 UTC
Fast Ozone Analyzer	Green	Final pre-calibrations conducted, now sampling nominally

HU-BELTSVILLE (Daily) Observational Status

Date: 07/12/11

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	Waiting for FAA waiver doc
PTU	Yellow	
Aerosol Spectrometer	Yellow	
O3	Yellow	
Aerosols	Status	Comment
AMS	Yellow	Maintenance – electronics; TBD
PTR-MS	Green	
FMPS	Green	
DMA	Yellow	Expected deployment TBD
APS	Green	
CCN	Green	
Gas Analyzers		Comment
O3	Green	
	Green	
NOy	Green	
SO2	Green	
CO	Green	
Tower	Status	Comment
Latent Heat Flux	Green	Maintenance
Sensible Heat Flux	Green	
Ground Heat Flux	Green	
Net Read	Green	
Meteorology	Green	
Surface Radiation	Status	Comment
MFRSR	Green	Maintenance
Broadband Radiometers	Green	Tracker maintenance
Microwave Radiometer	Green	

(Profiler)		
Microwave Radiometer (Total Column)	■	
NASA SMART	Status	Deployed
AERI	■	
Broadband	■	
Sky Imager	■	
MFRSR	■	
Other		
NASA ACHIEVE	Status	Deployed
Cloud Radar	■	
Precip Radar	■	
SUNYA A-Band	Status	Deployed
	■	