

DISCOVER-AQ Daily Observational Status

Date: 20 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	HSRL lost ~1 hour of data on first sortie for a spectral purity adjustment
ACAM (Janz)	Green	
Ground	Status	Comment
Pandora (Herman)	Green	
NATIVE (Thompson)	Green	See attached
UMBC (Hoff)	Green	
Millersville (Clark)	Green	
Aeronet (Holben)	Green	
HU-Beltsville (Joseph)	Green	
EPA (Szykman)	Green	
COMMIT (Tsay)	Green	
MDE Sites	Status	Comment
Aldino	Green	
Edgewood	Green	MPL lidar from NOAA ship transferred to this site after ship docked
Essex	Green	
Fairhill	Green	
Padonia	Green	
HU-Beltsville	Green	

NATIVE-EDGEWOOD Daily Observational Status

Date: 20 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 ₂ Radiometer	Green	
UV Shadowband	Green	
Leosphere Wind Lidar	Green	
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	2 flights corresponding to P3 overpass: 15:35 and ~20:30 UTC
VOC canisters	Green	No VOCs 20-Jul-11. Next samples 21-Jul-11
Fast Ozone Analyzer	Green	
PSU Pandora	Green	

* Power failure from 2011-07-19 17:00 UTC to 2011-07-19 18:00 UTC