

DISCOVER-AQ Daily Observational Status

Date: 11 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)		
NOxyO3 (Weinheimer)		Failed pump had to be replaced, delaying takeoff by 2.5 hours; some shaky moments early in flight but appears to be fine. Will get update tomorrow.
TD-LIF (Cohen)		
DFGAS (Fried)		
DACOM (Diskin)		
DLH (Diskin)		
AVOCET (Vay)		
PTR-MS (Wisthaler)		
PDS (Barrick)		
REVEAL (Van Gilst)		
UC-12	Status	Comment
HSRL (Hostetler)		
ACAM (Janz)		
Ground	Status	Comment
Pandora (Herman)		USNA still needs installation to be completed
NATIVE (Thompson)		See attached
UMBC (Hoff)		
Millersville (Clark)		
Aeronet (Holben)		
HU-Beltsville (Joseph)		
EPA (Szykman)		
COMMIT (Tsay)		
MDE Sites	Status	Comment
Aldino		
Edgewood		
Essex		
Fairhill		
Padonia		
HU-Beltsville		

NATIVE-EDGEWOOD Daily Observational Status

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Status Definitions:

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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, replacing...
Relative Humidity	Red	Instrument failure, bad RTD, replacing...
Pressure	Green	
J-NO ₂ Radiometer	Green	
UV Shadowband	Green	
Leosphere Wind Lidar	Yellow	Periodically working. Losing data. Leosphere is trying to figure out why.
Sonic Anemometer	Green	Collecting 10Hz u, v, w and T
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 on 10-Jul-2011: 15:42, ~19:30 UTC
VOC canisters	Green	6 on 10-Jul-2011 (hour averages) starting at: 11:00, 14:00, 17:00, 20:00, 23:00, 02:00 UTC
Fast Ozone Analyzer	Red	NO cylinder arrived, conducting final calibrations and flow tests