

DISCOVER-AQ Daily Observational Status

Date: 5 February 2013

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)		
TD-LIF (Cohen)		Ready for flight
DFGAS (Fried)		
DACOM (Diskin)		
DLH (Diskin)		
AVOCET (Yang)		
PTR-MS (Wisthaler)		
NOAA NH3 (Nowak)		
PDS (Barrick)		
REVEAL (VanGilst)		
B200	Status	Comment
HSRL-2 (Hostetler)		
ACAM (Janz)		
Ground	Status	Comment
Pandora (Herman)		
NATIVE (Thompson)		(see detailed report on next page)
UMBC (Hoff)		
Millersville (Clark)		
Aeronet (Holben)		
UC-Davis (Zhang/Cappa)		
UC-Davis (VanCuren)		
UC-Santa Barbara (Leifer)		
UC-Irvine (Kim/Blake)		
EPA (Long/Szykman)		
NOAA (Michalsky/Lantz)		
ARB/SJV APCD Sites	Status	Comment
Bakersfield Airport		
Fresno-Garland		
Hanford		
Huron		
Oildale		
Porterville		
Tranquility		

**Penn State/NATIVE
DISCOVER-AQ 2013
Porterville, CA**

Lat: 36.0319
 Lon: -119.055
 Last Updated: 5-Feb-2013
 Contact: Douglas Martins
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Nominal

Data Suspect/Waiting

Not Recording



Overall Status

Instrument (Mfg/Model)	Status	Constituent
Penn State		
Ozone Analyzer (O3, TECO 49C)		O3
Sulfur Dioxide Analyzer (SO2, TECO 43C)		SO2
Carbon Monoxide Analyzer (CO, TECO 48C)		CO
Reactive Nitrogen Analyzer (NOy, TECO 42C-Y)		NO, NOy
Temperature Probe (R.M. Young 41382L-90C)		Temperature
Relative Humidity Probe (R.M. Young 41382L-90C)		Relative Humidity
Pressure (R.M. Young 61202)		Pressure
Mechanical Anemometer (R.M. Young 05103)		Wind Speed, Direction
J-NO2 Filter Radiometer (Met-Con)		NO2 Photolysis Rate
Spectral Pyranometer (Eppley PSP)		Total Irradiance
Sonic Anemometer (Applied Technologies K-Style)		u, v, w, temperature
PTR-MS (Ionicon)		Speciated VOCs
VOC canisters	No canisters	Speciated VOCs
Pandora		Column NO2, O3
Ozone/Radiosondes (DMT, IMet-1)	1 sonde	Relative Humidity, Wind Speed, Wind Direction
Fast Mobility Particle Sizer		Particles
NOx Analyzer (Ecophysics CLD 60)	Instrument Not Working Properly	NO, NO2, Nox
Cavity Ring-Down Spectrometer		CO2, CH4, 13CO2, 13CH4
*Instrument statuses below are based on Penn State's assessment, true assessment provided by PI		
UMBC		
Nephelometer		Particles
Micro-pulse lidar		Aerosols
NASA Goddard		
Pandora		Column NO2, O3
Cimel sun photometer		Aerosol Optical Depth
EPA/NASA Langley		
CAPS NO2		NO2