**DISCOVER-AQ Daily Observational Status**

**Date:** 30 January 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)

<table>
<thead>
<tr>
<th>P-3B Status</th>
<th>P-3B Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>LARGE (Anderson)</td>
<td>Lost SP2 early in flight, repaired after flight and should be ready</td>
</tr>
<tr>
<td>NOxyO3 (Weinheimer)</td>
<td></td>
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<tr>
<td>TD-LIF (Cohen)</td>
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<tr>
<td>DFGAS (Fried)</td>
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<tr>
<td>DACOM (Diskin)</td>
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<tr>
<td>DLH (Diskin)</td>
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<tr>
<td>AVO CET (Yang)</td>
<td></td>
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<tr>
<td>PTR-MS (Wisthaler)</td>
<td></td>
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<tr>
<td>NOAA NH3 (Nowak)</td>
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<tr>
<td>PDS (Barrick)</td>
<td></td>
</tr>
<tr>
<td>REVEAL (VanGilst)</td>
<td></td>
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<tr>
<td>B200</td>
<td></td>
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<tr>
<td>HSRL-2 (Hostetler)</td>
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<tr>
<td>ACAM (Janz)</td>
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**Ground Status**

<table>
<thead>
<tr>
<th>Ground Status</th>
<th>Ground Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pandora (Herman)</td>
<td></td>
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<tr>
<td>NATIVE (Thompson)</td>
<td>(see detailed report on next page)</td>
</tr>
<tr>
<td>UMBC (Hoff)</td>
<td></td>
</tr>
<tr>
<td>Millersville (Clark)</td>
<td></td>
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<tr>
<td>Aeronet (Holben)</td>
<td></td>
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<tr>
<td>UC-Davis (Zhang/Cappa)</td>
<td></td>
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<tr>
<td>UC-Davis (VanCuren)</td>
<td></td>
</tr>
<tr>
<td>UC-Santa Barbara (Leifer)</td>
<td>Not deployed yet (collaboration; not mission critical)</td>
</tr>
<tr>
<td>UC-Irvine (Kim/Blake)</td>
<td></td>
</tr>
<tr>
<td>EPA (Long/Szykman)</td>
<td></td>
</tr>
<tr>
<td>NOAA (Michalsky/Lantz)</td>
<td></td>
</tr>
</tbody>
</table>

**ARB/SJV APCD Sites**

<table>
<thead>
<tr>
<th>ARB/SJV APCD Sites</th>
<th>ARB/SJV APCD Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bakersfield Airport</td>
<td></td>
</tr>
<tr>
<td>Fresno-Garland</td>
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<tr>
<td>Hanford</td>
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<tr>
<td>Huron</td>
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<tr>
<td>Oildale</td>
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<tr>
<td>Porterville</td>
<td></td>
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<tr>
<td>Tranquility</td>
<td></td>
</tr>
<tr>
<td>Instrument (Mfg/Model)</td>
<td>Status</td>
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<tr>
<td>--------------------------------------</td>
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</tr>
<tr>
<td><strong>Penn State</strong></td>
<td></td>
</tr>
<tr>
<td>Ozone Analyzer (O3, TECO 49C)</td>
<td>Nominal</td>
</tr>
<tr>
<td>Sulfur Dioxide Analyzer (SO2, TECO 43C)</td>
<td>Nominal</td>
</tr>
<tr>
<td>Carbon Monoxide Analyzer (CO, TECO 48C)</td>
<td>Nominal</td>
</tr>
<tr>
<td>Reactive Nitrogen Analyzer (NOy, TECO 42C-Y)</td>
<td>Nominal</td>
</tr>
<tr>
<td>Temperature Probe (R.M. Young 41382L-90C)</td>
<td>Nominal</td>
</tr>
<tr>
<td>Relative Humidity Probe (R.M. Young 41382L-90C)</td>
<td>Nominal</td>
</tr>
<tr>
<td>Pressure (R.M. Young 61202)</td>
<td>Not Recording</td>
</tr>
<tr>
<td>Mechanical Anemometer (R.M. Young 05103)</td>
<td>Data Suspect/Waiting</td>
</tr>
<tr>
<td>J-NO2 Filter Radiometer (Met-Con)</td>
<td>Not Recording</td>
</tr>
<tr>
<td>Spectral Pyranometer (Eppley PSP)</td>
<td>Not Recording</td>
</tr>
<tr>
<td>Sonic Anemometer (Applied Technologies K-Style)</td>
<td>Nominal</td>
</tr>
<tr>
<td>PTR-MS (Ionicon)</td>
<td>Not Recording</td>
</tr>
<tr>
<td>VOC canisters</td>
<td></td>
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<tr>
<td>Pandora</td>
<td></td>
</tr>
<tr>
<td>Ozone/Radiosondes (DMT, IMet-1)</td>
<td>Instrument Not Working Properly</td>
</tr>
<tr>
<td>Fast Mobility Particle Sizer</td>
<td></td>
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<tr>
<td>NOx Analyzer (Ecophysics CLD 60)</td>
<td></td>
</tr>
<tr>
<td>Cavity Ring-Down Spectrometer</td>
<td></td>
</tr>
<tr>
<td><em>Instrument statuses below are based on Penn State's assessment, true assessment provided by PI</em></td>
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<tr>
<td><strong>UMBC</strong></td>
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<tr>
<td>Nephelometer</td>
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<tr>
<td>Micro-pulse lidar</td>
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<tr>
<td><strong>NASA Goddard</strong></td>
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<tr>
<td>Pandora</td>
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<tr>
<td>Cimel sun photometer</td>
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<tr>
<td><strong>EPA/NASA Langley</strong></td>
<td></td>
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<tr>
<td>CAPS NO2</td>
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</table>