May 9, 2019 Payload 3 Daily Flight Report

Date: 2019-05-09  
Flight Campaign ID: 2019_P3C1  
Airport, FBO ID, City: Salt Lake City International Airport (KSLC) - Salt Lake City, UT

Domain: 15  
Sites Flown: None  
Days left in Domain: 4

Report Author: Mitch Haynes  
Flight Crew: Mitch Haynes, Nick Marusich  
Ground/GPS: Ivana Vu  
Pilots: Stephen Brawders, Jeff Quintanilla  
Additional Personnel:

GPS Instruments:

Summary
Skies looked somewhat promising this morning, but cumulus clouds quickly developed hampering any hope of collections today. Weekend weather looks much more promising for clear sky collect.

Concerns
None

Comments
- Replaced NIS KVM DVI cable that was causing display issues. First tried replacing VGA to no effect. The old DVI cable was left still attached to the NIS rack cable bundle.
- Performed Mercury (Hg) Lamp Spectral Calibration Collection.

Cumulative Domain Coverage

**ONAQ**

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Green: 21% (9/42)  
Yellow: 14% (6/42)  
Red: 7% (3/42)  
Red: 0% (0/42)

**REDB**

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| Flown | 0% (0/19)  
Green: 0% (0/19)  
Yellow: 0% (0/19)  
Red: 0% (0/19)
Above: Tower Cam view atop the ONAQ Tower looking west across the flight box. Taken at the start of today’s sun angle. Below: Satellite imagery from the same time. Red boxes indicate rough locations of ONAQ (SW box) and REDB (NE box).
Weather Forecast
Salt Lake City, UT

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<tr>
<th>Fri 5/10</th>
<th>Sat 5/11</th>
<th>Sun 5/12</th>
<th>Mon 5/13</th>
<th>Tue 5/14</th>
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<tr>
<td>65°</td>
<td>43° F</td>
<td>70°</td>
<td>46° F</td>
<td>75°</td>
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<td>Partly Cloudy</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Sunny</td>
<td>Mostly Sunny</td>
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Flight Collection Plan for 10 May 2019

Flyority 1
Collection Area: Onaqui-Ault (ONAQ)
Flight Plan Name: D15_ONAQ_C1_P1_v3_Q780
On-station Time: 1600 UTC / 1000 L

Flyority 2
Collection Area: Red Butte (REDB)
Flight Plan Name: D15_REDB_A1_P1_v2_Q780
On-station Time: 1600 UTC / 1000 L
Crew: Ivana Vu (Lidar), Mitch Haynes (NIS), Nick Marusich (Ground/GPS)

Flight Collection Plan for 11 May 2019

Flyority: Same as previous day
Crew: Nick Marusich (Lidar), Mitch Haynes (NIS/GPS)