Payload 3 Daily Flight Report

Date: 2021-05-22  
Flight Campaign ID: P3C1  
Airport, FBO ID, City: Salt Lake City International Airport (KSLC) - Salt Lake City, UT  
Aircraft: N615AR

Domain: 15 (Great Basin)  
Sites Flown: None  
Days left in Domain: 1

Report Author: Mitch Haynes  
Lidar Operators: Mitch Haynes  
Spectrometer Operators: John Adler  
Pilots: Stephen Brawders, Vince Maarschalkerweerd  
Flight Hours: 00:56  
Hours until maintenance: 25.77  
GPS Instruments: C-ZLC1, U-P016

Summary  
Crew woke up to clear skies over the region with the possibility to green up some lines over Onaqui. However between taking off from Salt Lake and arriving on station, quickly building clouds had already moved into the area, thwarting any possibility of bettering up already flown lines. Crew returned to KSLC without collecting any data.

Concerns  
None

Comments  
None

Cumulative Domain Coverage  
D15|ONAQ (Onaqui)  

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 |

Flown: 100% (42/42)  
Green: 76% (32/42)  
Yellow: 14% (6/42)  
Red: 10% (4/42)

D15|REDB (Red Butte)  

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Flown: 100% (19/19)  
Green: 0% (0/19)  
Yellow: 100% (19/19)  
Red: 0% (0/19)
Weather Forecast
Salt Lake City, UT

<table>
<thead>
<tr>
<th>Date</th>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sun 5/23</td>
<td>showers</td>
<td>0.11 in</td>
</tr>
<tr>
<td>Mon 5/24</td>
<td>mostly sunny</td>
<td>0 in</td>
</tr>
</tbody>
</table>

source: wunderground.com

Boulder, CO

<table>
<thead>
<tr>
<th>Date</th>
<th>Cloud Cover (%)</th>
<th>Chance of Precip. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sun 5/23</td>
<td>mostly sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Mon 5/24</td>
<td>sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Tue 5/25</td>
<td>mostly sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Wed 5/26</td>
<td>partly cloudy</td>
<td>0 in</td>
</tr>
<tr>
<td>Thu 5/27</td>
<td>mostly sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Fri 5/28</td>
<td>mostly sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Sat 5/29</td>
<td>mostly sunny</td>
<td>0 in</td>
</tr>
</tbody>
</table>

Flight Collection Plan for 23 May 2021

Flyority 1
Collection Area: Onaqui (ONAQ) yellow/red lines to be redone.
Flight Plan Name: D15_ONAQ_C1_P1_v3_Q780
On-station Time: 1600 UTC / 1000 L

*Re-fly lines 2-10 if Green*

Flyority 2
Collection Area: Red Butte (REDB)
Flight Plan Name: D15_REDB_A1_P1_v2_Q780
On-station Time: 1550 UTC / 0950 L

*Re-fly entire box if Green*

Flight Crew: John, Mitch