March 16, 2019 Payload 2 Daily Flight Report

Date: 2019-03-16
Flight Campaign ID: 2019_P2C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 00
Sites Flown: O10A (NIS Offset)
Days left in Domain: 0

Report Author: Abe Morrison
Flight Crew: Abe Morrison, John Adler
Ground/GPS: Mitch Haynes
Pilots: Dylan Malfatti, Mike Francis
Additional Personnel: Matt Devoe
GPS Instruments: 01 - FBO_KBDU

Flight Hours: 02:13
Hours until maintenance: 111.87

Summary
With sunny skies to start the day, the crew took to the air for the NIS offset calibration flight. They completed all 5 ultrapol positions (5 takeoffs and landings) on the spectrometer. The lidar laser was not fired, per SOP, but the camera was used.

Concerns
None.

Comments
Pilot Dylan Malfatti rotates out today and Jeff Quintanilla will take his place. Thanks for the steady flying Dylan!!

Flight Screenshots

Lidar (camera only)

NIS
### Daily Coverage

<table>
<thead>
<tr>
<th>Line</th>
<th>SpecG</th>
<th>SpecY</th>
<th>SpecR</th>
<th>NIS</th>
<th>Lidar</th>
<th>Camera</th>
<th>Cumulative</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>NLC</td>
</tr>
<tr>
<td>10A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>NLC</td>
</tr>
<tr>
<td>2</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>NLC</td>
</tr>
<tr>
<td>4</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>NLC</td>
</tr>
<tr>
<td>6</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Flown: 10

### Cumulative Domain Coverage

#### B10B

Flown: 100% (20/20)
Green: 100% (20/20)
Yellow: 0% (0/20)
Red: 0% (0/20)

#### H10B

Flown: 100% (4/4)
Green: 0% (0/4)
Yellow: 0% (0/4)
Red: 100% (4/4)

#### O10A

Flown: 500% (10/2)
Green: 200% (4/2)
Yellow: 300% (6/2)
Red: 0% (0/2)

#### R10B

Flown: 100% (5/5)
Green: 100% (5/5)
Yellow: 0% (0/5)
Red: 0% (0/5)

#### W10B

Flown: 100% (2/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 100% (2/2)

#### N10C

Flown: 100% (14/14)
Green: 0% (0/14)
Yellow: 0% (0/14)
Red: 100% (14/14)
Weather Forecast

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunny</td>
<td>Cloudy</td>
<td>Mostly Sunny</td>
<td>Mostly Sunny</td>
<td>Mostly Cloudy</td>
<td>PM Showers</td>
<td>Partly Cloudy</td>
<td>Partly Cloudy</td>
</tr>
<tr>
<td>47°</td>
<td>77° F</td>
<td>42°</td>
<td>62° F</td>
<td>46°</td>
<td>62° F</td>
<td>49°</td>
<td>62° F</td>
</tr>
</tbody>
</table>

0 in | 0 in | 0 in | 0 in | 0 in | 0 in | 0 in | 0 in |

Chance of Precip. (%)
Chance of Snow (%)

Flight Collection Plan for 17 March 2019
No Flights Planned

Flight Collection Plan for 18 March 2019
Collection Area: Training Flights
Flight Plan Name: TBD
On Station Time: TBD
Crew: TBD