Payload 1 Daily Flight Report

Date: 2022-04-23
Flight Campaign ID: P1C1
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N331AR

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 09

Report Author: John
Lidar Operators: John
Spectrometer Operators: Cam
Pilots: Stephen, Justin
Adt'l Flight Crew: Mike
Ground Crew: Mitch

Flight Hours: 00:00
Hours until maintenance: 118.50

Summary
No flights were conducted today due to continued windy conditions.

Concerns
None.

Comments
None.

Daily Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th>Cloud Cover</th>
<th>Color</th>
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<tbody>
<tr>
<td>Green: 0-10%</td>
<td>Green</td>
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<tr>
<td>Yellow: 11-50%</td>
<td>Yellow</td>
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<tr>
<td>Red: &gt;50%</td>
<td>Red</td>
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Cumulative Domain Coverage

D00|B10F (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 550m - Galaxy)

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<th>18</th>
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<tbody>
<tr>
<td>Flown: 100% (20/20)</td>
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<td>Green: 45% (9/20)</td>
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<td>Yellow: 55% (11/20)</td>
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<td>Red: 0% (0/20)</td>
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D00|D10C ()

<table>
<thead>
<tr>
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</table>
Flown: 0% (0/2)  
Green: 0% (0/2)  
Yellow: 0% (0/2)  
Red: 0% (0/2)

D00|H10D (NEON Headquarters Lidar Validation - Galaxy)
[1 2 3 4]
Flown: 100% (4/4)  
Green: 0% (0/4)  
Yellow: 100% (4/4)  
Red: 0% (0/4)

D00|N10F (Nominal Runway at KBDU - Galaxy)
[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]
Flown: 8% (3/37)  
Green: 0% (0/37)  
Yellow: 0% (0/37)  
Red: 8% (3/37)

D00|O10C (NIS Offset - Galaxy)
[1 2]
Flown: 0% (0/2)  
Green: 0% (0/2)  
Yellow: 0% (0/2)  
Red: 0% (0/2)

D00|R10E (Table Mountain Radiometric Calibration - Galaxy)
[1 2 3 4 5]
Flown: 100% (5/5)  
Green: 100% (5/5)  
Yellow: 0% (0/5)  
Red: 0% (0/5)

D00|W10D (Wiggle Timing Test - Galaxy)
[1 2]
Flown: 100% (2/2)  
Green: 0% (0/2)  
Yellow: 100% (2/2)  
Red: 0% (0/2)

Weather Forecast

Boulder, CO (KBDU)

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<tbody>
<tr>
<td>Temperature</td>
<td>57°</td>
<td>30°F</td>
<td>51°</td>
<td>132°F</td>
<td>58°</td>
<td>54°F</td>
<td>73°</td>
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<td>PM High</td>
<td>0.01 in</td>
<td>0.13 in</td>
<td>0 in</td>
<td>0 in</td>
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<td>PM Low</td>
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<tr>
<td>Cloud Cover (%)</td>
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Flight Collection Plan for 24 April 2022

Flyority 1
Collection Area: Nominal Runway Survey Flight Plan
Name: D10_N10F_Nominal_Rnwy_v10_PRM.xml
On-Station Time: Daylight – No solar angle restrictions.
Additional Considerations: Runway should not be wet or snow covered.

Flyority 2
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10C_NIS_Offset_v2_PRM.xml
35° On-station Time: 1530 UTC / 0930 L

Flight Crew: Elissa (Lidar), John (NIS), Mike (Ground), Mitch (Instructor) Check-In via whatsapp 0800.