Date: 2020-06-07  
Flight Campaign ID: P2C1  
Airport, FBO ID, City: Rocky Mountain Metropolitan Airport (KB JC) - Broomfield, CO  
Domain: 00 (Training & Calibration)  
Sites Flown: R10A (Table Mountain Radiometric Calibration), V10C (Boulder City South)  
Days left in Domain: 4  

Report Author: John Adler  
Lidar Operators: John Adler, Ivana Vu  
Spectrometer Operators: Ivana Vu, Robb Walker  
Pilots: Stephen Brawders, Will Matthews  
Ground Crew: Ivana Vu  
Flight Hours: 01:15, 00:49  
Hours until maintenance: 101.97  
GPS Instruments: 06 - FBO_KBDU, 10 - NGN-KBDU, U-P041

Summary  
Today the crew completed the Radiometric Calibration flight over Table Mountain, both at 40° and 45° solar angles. This also completed Robb Walker’s NIS re-certification flight. The priority was then shifted to completing John Adler’s NIS and lidar re-certifications. All of Crew 2 has now completed their annual re-certifications.

A great AOP team effort today! Both Payloads completed coincident Table Mountain flights, with a hat’s off to the Science team for coordinating and executing the ground tarps. And all of these systems worked 4.0 due to Lab’s diligence!

Concerns  
None

Comments  
Tomorrow morning it is hoped to complete the NIS offset flight and the second portion of the camera auto-exposure test. The Crew 2 list for the rest of the week was modified.

Most of the integrated Service Now updates for AOP data collections are working; Monday during the FlightOps meeting the last few items to be fixed will be discussed.

Daily Coverage

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**Estimated Cloud Cover Key**

- **Green:** 0-10%  
- **Yellow:** 11-50%  
- **Red:** >50%

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**DO0|R10A**

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<th>3</th>
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Total number of lines flown: 5

D00|V10C

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<tr>
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</tbody>
</table>

Total number of lines flown: 4

Flight Screenshots

Cumulative Domain Coverage

D00|B10B (Complete Greeley Boresight Geocalibration - 1500m, 1000m, 500m)

Flown: 100% (20/20)
Green: 0% (0/20)
Yellow: 70% (14/20)
Red: 0% (0/20)

D00|H10B (NEON Headquarters Lidar Test - modified cross-track)

Flown: 100% (4/4)
Green: 50% (2/4)
Yellow: 50% (2/4)
Red: 0% (0/4)

D00|N10C (Nominal Runway at KBDU - Optech)

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

D00|O10A (NIS Offset)
Flown: 0% (0/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 0% (0/2)

D00|R10A (Table Mountain Radiometric Calibration)

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

D00|W10B (Wiggle Timing Test)

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

Weather Forecast

Flight Collection Plan for 08-09 June 2020

Flyority 1
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10A_NIS_Offset_v1.pln
On-station Time: 0850 – 1730 Local / 1450 – 2300 UTC
Flyority 2
Collection Area: Boulder City Nominal – Auto-Exposure Testing
Flight Plan Name: D10_V10C_Boulder_City_v6.pln
On-station Time: 0850 – 1730 Local / 1450 – 2300 UTC
Lines Remaining: Section 2 – Lines 9-13, Section 4 – Lines 25-28, Section 5 – Lines 17-19

Crew
6/8: Ivana Vu (Lidar), Matt DeVoe (NIS)
6/9: Michael Wussow (Lidar), Matt DeVoe (NIS)