Payload 1 Daily Flight Report

Date: 2021-04-17
Flight Campaign ID: P1C2
Airport, FBO ID, City: Rocky Mountain Metropolitan Airport (KBJC) - Broomfield, CO
Aircraft: N331AR

Domain: 00 (Training & Calibration)
Sites Flown: None
Days left in Domain: 12

Report Author: Matt DeVoe
Lidar Operators: Matt DeVoe
Spectrometer Operators: Ivana Vu
Pilots: Ashley Taylor, Justin Eddington
Ground Crew: Robb Walker

Flight Hours: 00:00
Hours until maintenance: 0.00
GPS Instruments: None

Summary
Low clouds, IFR and Marginal VFR conditions prevented flights today.

Concerns
None

Comments
None

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

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D00|BLKF (Black Forest Waveform Range Test - Galaxy)

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D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

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D00|N10F (Nominal Runway at KBDU - Galaxy)

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Red: 43% (15/35)

D00|O10C (NIS Offset - Galaxy)

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D00|R10E (Table Mountain Radiometric Calibration - Galaxy)

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D00|V10F (Boulder City Nominal - Galaxy)

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Green: 14% (4/29)
Yellow: 0% (0/29)
Red: 24% (7/29)

D00|W10D (Wiggle Timing Test - Galaxy)

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Weather Forecast
Boulder, CO

![Weather Forecast Graph]
Flight Collection Plan for 18 April 2021
Flyority 1
Collection Area: [Functional Checkout Flight] -- Nominal Runway Survey Flight Plan
Name: D10_N10F_Nominal_Rnwy_v9_PRM.xml
On-Station Time: Daylight – No solar angle restrictions.
Additional Considerations: Runway should not be wet, or snow covered.

Flyority 2
Collection Area: Black Forest Waveform Range Test Flight
Flight Plan Name: D10_BLKF_Black_Forest_v3_PRM.xml
On-station Time: Daylight – No solar angle restrictions.
Additional Considerations: Snow on ground / trees okay.

Flyority 3
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10C_NIS_Offset_v2_PRM.xml
On-station Time: 1600 UTC / 1000 L

Crew: Ivana (Lidar), Robb (NIS), Mike(Ground)