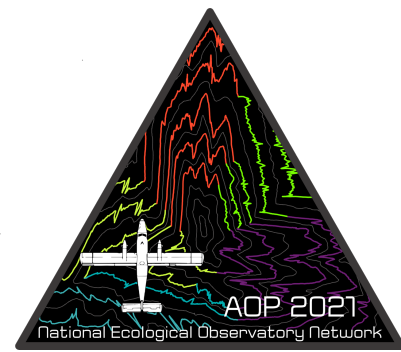




Payload 1 Daily Flight Report



Date: 2021-04-10

Flight Campaign ID: P1C2

Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Aircraft: N331AR

Domain: 00 (Training & Calibration)

Sites Flown: None

Days left in Domain: 19

Report Author: John Adler

Lidar Operators: Cameron Chapman

Spectrometer Operators: Nick Marusich

Pilots: Ashley Taylor, Scott Hayward

Adt'l Flight Crew:

Flight Hours: 0.0

Hours until maintenance: 109.50

GPS Instruments: AOP_KBDU

Ground Crew: John Adler

Summary

No training flights were completed for today; the next scheduled mission(s) are for Monday the 12th.

Concerns

- None

Comments

- P1 will relocate to KBJC upon P3's return to KBDU on Monday; actual schedule is TBD.

Daily Coverage

Estimated Cloud Cover Key

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

D00|V10F

Line #	1	2	3	4	5	5	6	7	8	29
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover										

Total number of lines flown: 10

Flight Screenshots

n/a

Cumulative Domain Coverage

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

Flown: 100% (20/20)

Green: 100% (20/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21																				

Flown: 0% (0/21)

Green: 0% (0/21)

Yellow: 0% (0/21)

Red: 0% (0/21)

D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

1	2	3	4
---	---	---	---

Flown: 100% (4/4)

Green: 100% (4/4)

Yellow: 0% (0/4)

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						

Flown: 43% (15/35)

Green: 0% (0/35)

Yellow: 0% (0/35)

Red: 43% (15/35)

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|V10F (Boulder City Nominal - 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												

Flown: 38% (11/29)

Green: 14% (4/29)

Yellow: 0% (0/29)

Red: 24% (7/29)

D00 | W10D (Wiggle Timing Test - Galaxy)

1 2

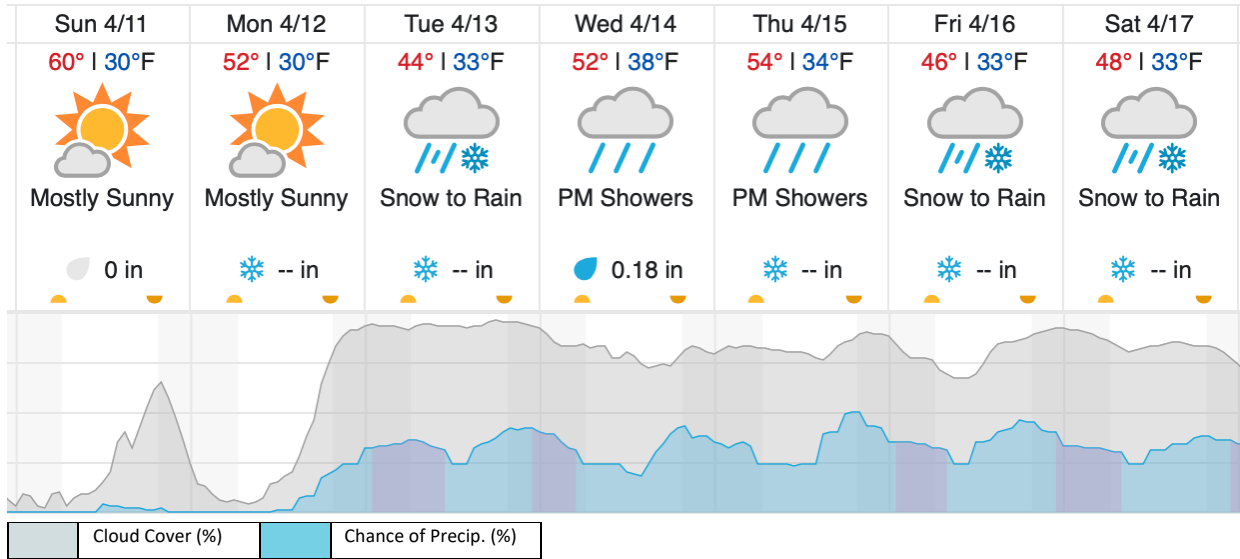
Flown: 100% (2/2)

Green: 100% (2/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

Weather Forecast



source: wunderground.com

Flight Collection Plan for April 12th 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: Nick, Elissa, John (Trainer)