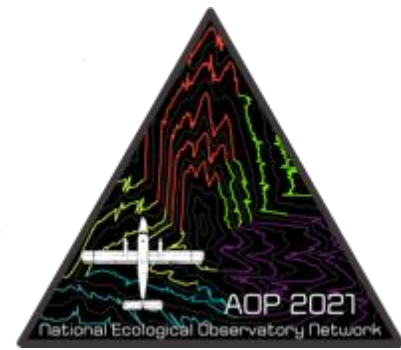




Payload 1 Daily Flight Report



Date: 2021-10-09
Flight Campaign ID: P1C2
Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO
Aircraft: N331AR

Domain: 00 (Calibration)
Sites Flown: None
Days left in Domain: 08

Report Author: Cameron Chapman **Flight Hours:** 00:00
Lidar Operators: Cameron Chapman **Hours until maintenance:** 8.87
Spectrometer Operator: Elissa Barris **GPS Instruments:** 00:00
Ground Crew: Abe Morrison
Pilots: Justin Eddington, Stephen Brawders

Summary

The spectrometer chamber completed cooling today and will be ready for calibration flights tomorrow morning.

Concerns

None.

Comments

None.

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: 0% (0/20)

Green: 0% (0/20)

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|D10C ()

1	2
---	---

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: 0% (0/4)

Green: 0% (0/4)

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: 0% (0/35)

Green: 0% (0/35)

Yellow: 0% (0/35)

Red: 0% (0/35)

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: 0% (0/5)

Green: 0% (0/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

D00|R10F (Boulder Airport Radiometric Calibration - Galaxy)

1	2	3	4	5
---	---	---	---	---

Flown: 0% (0/5)

Green: 0% (0/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

D00|W10D (Wiggle Timing Test - Galaxy)

1	2
---	---

Flown: 0% (0/2)

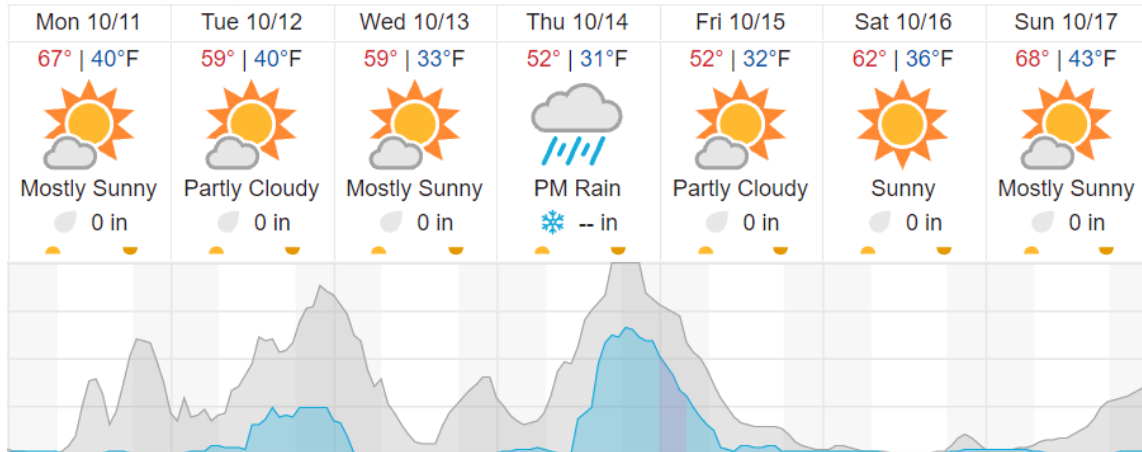
Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

Weather Forecast

Boulder, CO (KBDU)



source: wunderground.com

Flight Collection Plan for 11 October 2021

Flyority 1

Collection Area: Boresight Calibration – Greeley, CO
Flight Plan Name: D10_B10F_Boresight_Geocal_v8_PRM
On-station Time: 16:10 UTC / 10:10 L

Flyority 2

Collection Area: Nominal Runway Survey Flight Plan
Name: D10_N10F_Nominal_Rnwy_v9_PRM
On-Station Time: Daylight – No solar angle restrictions.
Additional Considerations: Runway should not be wet.

Flyority 3

Collection Area: Wiggle Timing Test
Name: D10_W10D_Wiggle_Test_v5_PRM
On-Station Time: 17:40 UTC / 11:40 L

Flyority 4

Collection Area: NEON HQ Lidar Validation
Flight Plan Name: D10_H10D_HQ_Lidar_validation_v1_PRM
On-Station Time: Daylight – No solar angle restrictions.

Flyority 5

Collection Area: Table Mountain Radiometric Calibration
Flight Plan Name: D10_R10E_Radiometric_Cal_Table_Mtn_v1_PRM
On-Station Time: 17:40 UTC / 11:40 L

Flyority 6

Collection Area: Boulder Airport Radiometric Calibration

Flight Plan Name: D10_R10F_Radiometric_Cal_KBDU_v1_PRM

On-Station Time: 17:40 UTC / 11:40 L

Flyority 7

Collection Area: NIS Offset Flight

Flight Plan Name: D10_O10C_NIS_Offset_v2_PRM

On-Station Time: 16:50 UTC / 10:50 L

Flyority 8

Collection Area: Black Forest Waveform Range Test Flight

Flight Plan Name: D10_BLKF_Black_Forest_v4_PRM

On-Station Time: 17:30 UTC / 11:30 L

Flyority 9

Collection Area: Boulder City Eye Safety Test

Flight Plan Name: D10_D10C_Boulder_West_Eye_Safety_Test_PRM

On-Station Time: Daylight – No solar angle restrictions.

Crew: Abe (Lidar), Elissa (NIS), Mitch (Ground)