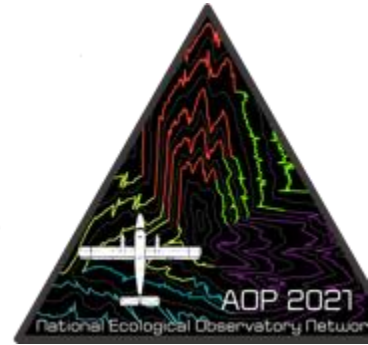




Payload 1 Daily Flight Report



Date: 2021-10-17

Flight Campaign ID: P1C2

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

Aircraft: N331AR

Domain: 00 (Training & Calibration)

Sites Flown: Hg Lamp Test

Days left in Domain: 00

Report Author: Cameron Chapman

Lidar Operators: Cameron Chapman

Spectrometer Operators: Abe Morrison

Pilots: Stephen Brawders, Justin Eddington

Ground Crew: None

Flight Hours: 00:00

Hours until maintenance: N/A

GPS Instruments: N/A

Summary

The remaining calibration flight QA was verified as good. The crew conducted a Hg Lamp test prior to system shutdown. This concludes the 2021 flight season! The payload is scheduled to be removed tomorrow morning at 0700!

Concerns

None

Comments

None

Daily Coverage

Estimated Cloud Cover Key

Green: 0-10%	Yellow: 11-50%	Red: >50%
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Flight Screenshots: 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	22	23	24	25																

Flown: 100% (21/25)
 Green: 0% (0/25)
 Yellow: 100% (25/25)
 Red: 0% (0/25)

D00|D10C (Boulder City Eye Safety Test)

1	2
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Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 100% (2/2)
 Red: 0% (0/2)

D00|H10D (NEON Headquarters Lidar Validation - Galaxy)

1	2	3	4
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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	36	37				

Flown: 100% (37/37)
 Green: 59% (22/37)
 Yellow: 41% (15/37)
 Red: 0% (0/37)

D00|O10C (NIS Offset - Galaxy)

1	2	1	2	1	2	1	2	1	2
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Flown: 100% (2/2)
 Green: 100% (2/2)
 Yellow: 0% (0/2)
 Red: 0% (0/2)

D00|R10E (Table Mountain Radiometric Calibration - Galaxy)

1	2	3	4	5
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Flown: 100% (5/5)
 Green: 100% (5/5)
 Yellow: 0% (0/5)
 Red: 0% (0/5)

D00|W10D (Wiggle Timing Test - Galaxy)

1	2
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Flown: 100% (2/2)
 Green: 100% (2/2)
 Yellow: 0% (0/2)
 Red: 0% (0/2)

Payload removal Crew: Cam, Abe, Elissa