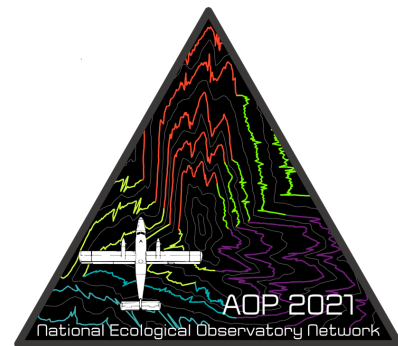




Payload 1 Daily Flight Report



Date: 2021-04-27

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: 1

Report Author: Michael Wussow

Lidar Operators: Michael Wussow

Spectrometer Operators: Matt Devoe

Pilots: Justin Eddington, Will Mathews

Ground Crew: Robb Walker

Flight Hours: 00:00

Hours until maintenance: 96.82

GPS Instruments: None

Summary

With all calibration complete for Payload 1, final tasks were completed to wrap up this year's Payload-1 pre-season calibration campaign. All calibration flights have been extracted. Preparations were also started for surveying D13 MOAB which will begin Thursday, April 29.

Concerns

Pony Verification using WinMerge caught that the discrete lidar folders had not been copied to the RAID for two flights on 2021_P1C2_01. They were manually copied. These occurrences will be investigated further and are a good reminder to use WinMerge.

Comments

- Pony Verification was completed for RAID 2021_P1C2_01
- RAID 2021_P1C2_01 was shipped
- RAID 2021_P1C2_02 was formatted
- 2021042614 BLKF was extracted
- Pony Verification and RAID Formatting checklists have been updated

Daily Coverage

Estimated Cloud Cover Key

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

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
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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: 100% (21/21)

Green: 0% (0/21)

Yellow: 100% (21/21)

Red: 0% (0/21)

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					

Flown: 100% (35/35)

Green: 0% (0/35)

Yellow: 0% (0/35)

Red: 100% (35/35)

D00|O10C (NIS Offset - Galaxy)

1	2
---	---

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|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
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Flown: 100% (2/2)

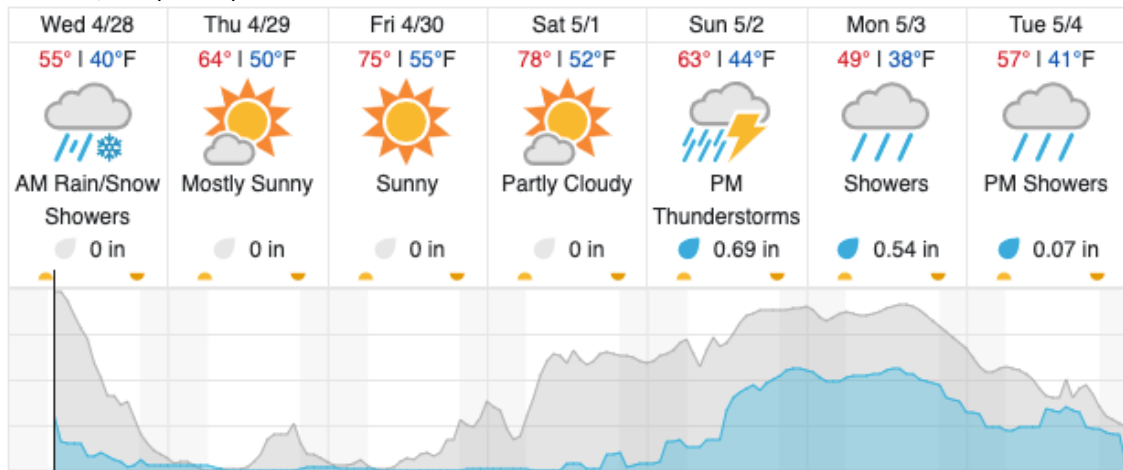
Green: 100% (2/2)

Yellow: 0% (0/2)

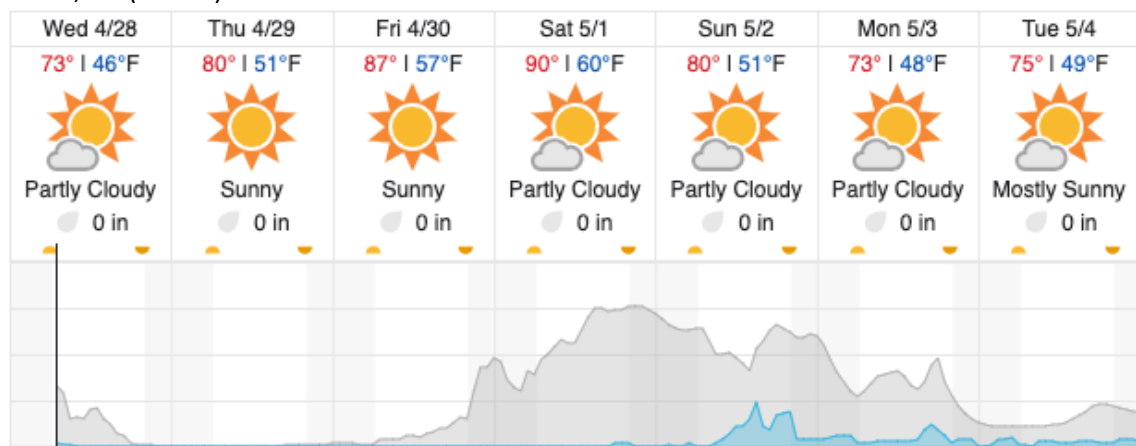
Red: 0% (0/2)

Weather Forecast

Boulder, CO (KBDU)



Moab, UT (MOAB)



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 28 April 2021

No flights planned; only if needed for reflying.

Flight Collection Plan for 29 April 2021

Flyority 1

Collection Area: Moab (MOAB)

Flight Plan Name: D13_MOAB_R1_P1_v3_PRM.xml

On-station Time: 16:00 UTC, 10:00 AM MST

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