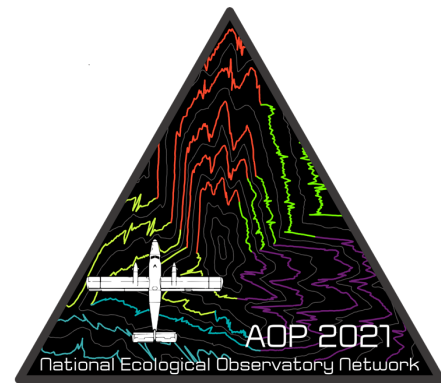




Payload 3 Daily Flight Report



Date: 2021-04-12

Flight Campaign ID: P3C1

Airport, FBO ID, City: Scottsdale Municipal Airport (KSDL) - Scottsdale, AZ, Four Corners Regional Airport (KFMN) - Farmington, NM, Pueblo Memorial Airport (KPUB) - Pueblo, CO, Boulder Municipal Airport (KBDU) – Boulder, CO

Aircraft: N615AR

Domain: 00 (Training & Calibration)

Sites Flown: Transit (KSDL-KFMN-KPUB-KBDU)

Days left in Domain: 6

Report Author: Mitch Haynes

Lidar Operators: Mitch Haynes

Spectrometer Operators: Ivana Vu

Pilots: Vince Maarschalkerweerd, Mark Solper

Flight Hours: 01:50, 01:17, 01:24

Hours until maintenance: 82.83

Summary

After wrapping up collections in D14 over Sycamore Creek, the crew relocated the Otter from Scottsdale, AZ back to Boulder, CO for another period of calibration days before it departs for D08 next week.

Concerns

None

Comments

- D14 crew will continue working through D14 data tomorrow on the hotel kit.
- Ian has a TeamViewer session scheduled with Lead'Air tomorrow morning to troubleshoot the Midas Cameramain issues.
- N615AR was delayed landing at KBDU this afternoon due to a disabled aircraft on the runway. After loitering for about 45 min, we were able to land, followed by P1 departing to relocate to KBJC.
- Pilot Vince Maarschalkerweerd replaced Stephen Brawdars yesterday

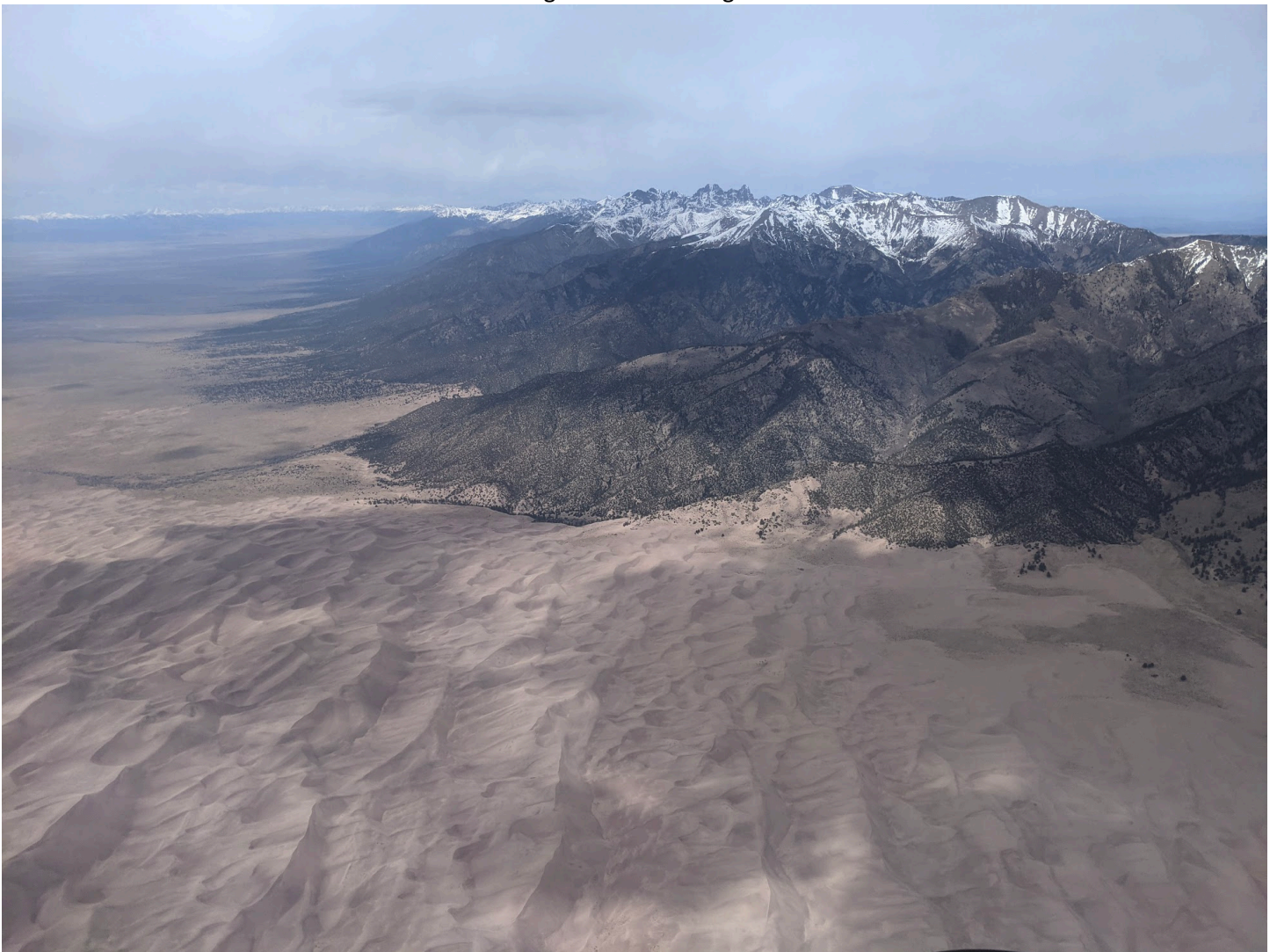
Pictures

Below: Wildfire season starting early in the San Juans





Above: Views of the southern San Juan Mountains
Below: Great Sand Dunes National Park and the Sangre de Cristo Range



Cumulative Domain Coverage

D00|B10E (Riegl Boresight Calibration - 1600m, 1000m, 500m)

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: 0% (0/20)

Yellow: 100% (20/20)

Red: 0% (0/20)

D00|H10C (NEON Headquarters Lidar Test - Riegl)

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

Flown: 100% (4/4)

Green: 0% (0/4)

Yellow: 0% (0/4)

Red: 100% (4/4)

D00|N10D (Nominal Runway at KBDU - Riegl)

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												

Flown: 86% (24/28)

Green: 46% (13/28)

Yellow: 0% (0/28)

Red: 39% (11/28)

D00|O10B (NIS Offset - Riegl)

1	2
---	---

Flown: 0% (0/2)

Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

D00|R10C (Table Mountain Radiometric Calibration - Riegl)

1	2	3	4	5
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Flown: 0% (0/5)

Green: 0% (0/5)

Yellow: 0% (0/5)

Red: 0% (0/5)

D00|V10C (Boulder City South)

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: 31% (9/29)

Green: 0% (0/29)

Yellow: 0% (0/29)

Red: 31% (9/29)

D00|W10C (Wiggle Timing Test - Riegl)

1	2
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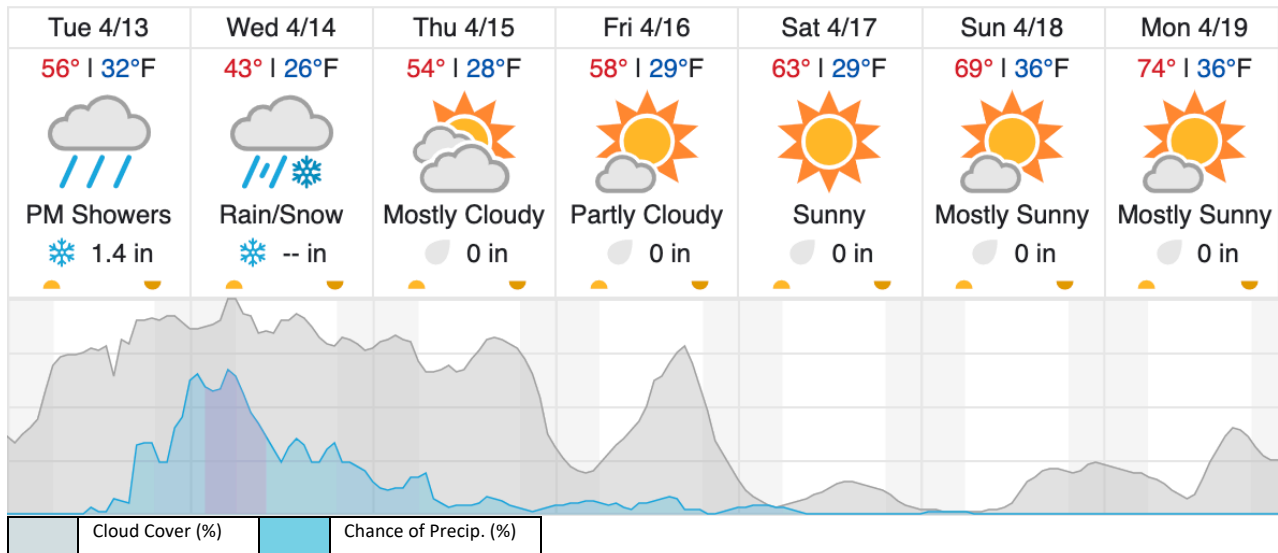
Flown: 100% (2/2)

Green: 100% (2/2)

Yellow: 0% (0/2)

Red: 0% (0/2)

Weather Forecast



source: wunderground.com

Flight Collection Plan for 13 April, 2021

Flyority 1

Collection Area: Table Mountain Radiometric Calibration – Boulder Airport

Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780

On-station Time: 1700 UTC / 1100 L

Additional Considerations: Ground should be dry.

Flyority 2

Collection Area: NIS Offset Flight

Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780

On-station Time: 1630 UTC / 1030 L

Crew: Abe, Mitch, Elissa