



Payload 3 Daily Flight Report



Date: 2020-09-03

Flight Campaign ID: P3C1

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

Domain: 00 (Training & Calibration)

Sites Flown: None

Days left in Domain: 14

Report Author: Cameron Chapman

Lidar Operators: Cameron Chapman

Flight Hours: 00:00

Spectrometer Operators: Mitch Haynes

Hours until maintenance: 22.03

Pilots: Justin Eddington, Jeff Quintanilla

GPS Instruments: None

Ground Crew: Robb Walker

Summary

The clouds cleared in Boulder in the early afternoon, unfortunately the smoke settled in over the front range and progressively worsened throughout the day. No flights were attempted. Satellite overpass flights are planned for Friday and Saturday weather permitting.

Comments

- The flight crew, with Andrews assistance, was able to extract the data from 09/02 on HK5.

Concerns

- The root cause of the disappearing - reappearing data on the Midas disks is unknown.

Daily Coverage

- None

Flight Screenshots

- None

Pictures

- None

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
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Flown: 100% (20/20)

Green: 70% (14/20)

Yellow: 30% (6/20)

Red: 0% (0/20)

D00|CPER (Satellite Overpass Coincident Collection & 1000m Multiple Altitude Test Flight - CPER)

11	12	13	14	15	16	17	18	19	20	21	22	23	24
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Flown: 0% (0/14)
Green: 0% (0/14)
Yellow: 0% (0/14)
Red: 0% (0/14)

D00|F10A (D10 BRDF Flight - CPER)

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|H10C (NEON Headquarters Lidar Test - Riegl)

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

D00|K10A (2000m Multiple Altitude Test Flight - CPER)

6	7	8	9	10	11
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Flown: 0% (0/6)
Green: 0% (0/6)
Yellow: 0% (0/6)
Red: 0% (0/6)

D00|K10B (2000m Multiple Altitude Test Flight - RMNP)

2	3	4	5	6	7
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Flown: 0% (0/6)
Green: 0% (0/6)
Yellow: 0% (0/6)
Red: 0% (0/6)

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															

Flown: 92% (24/26)
Green: 0% (0/26)
Yellow: 0% (0/26)
Red: 92% (24/26)

D00|O10B (NIS Offset - Riegl)

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

D00|RMNP (1000m Multiple Altitude Test Flight - RMNP)

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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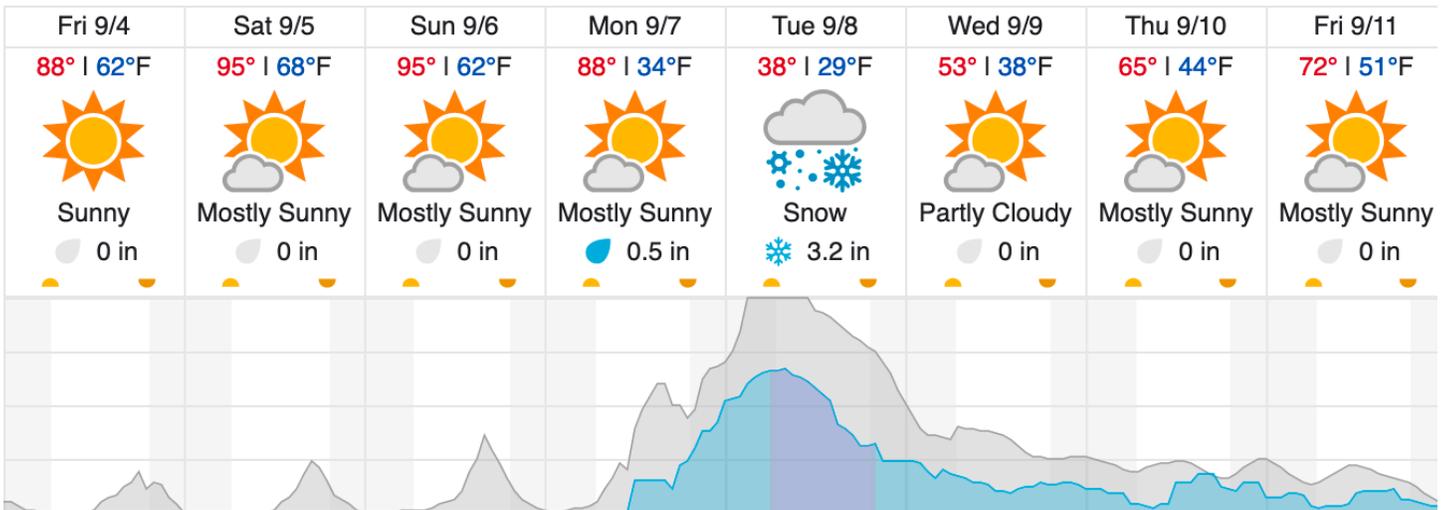
Flown: 0% (0/18)
 Green: 0% (0/18)
 Yellow: 0% (0/18)
 Red: 0% (0/18)

D00|W10C (Wiggle Timing Test - Riegl)

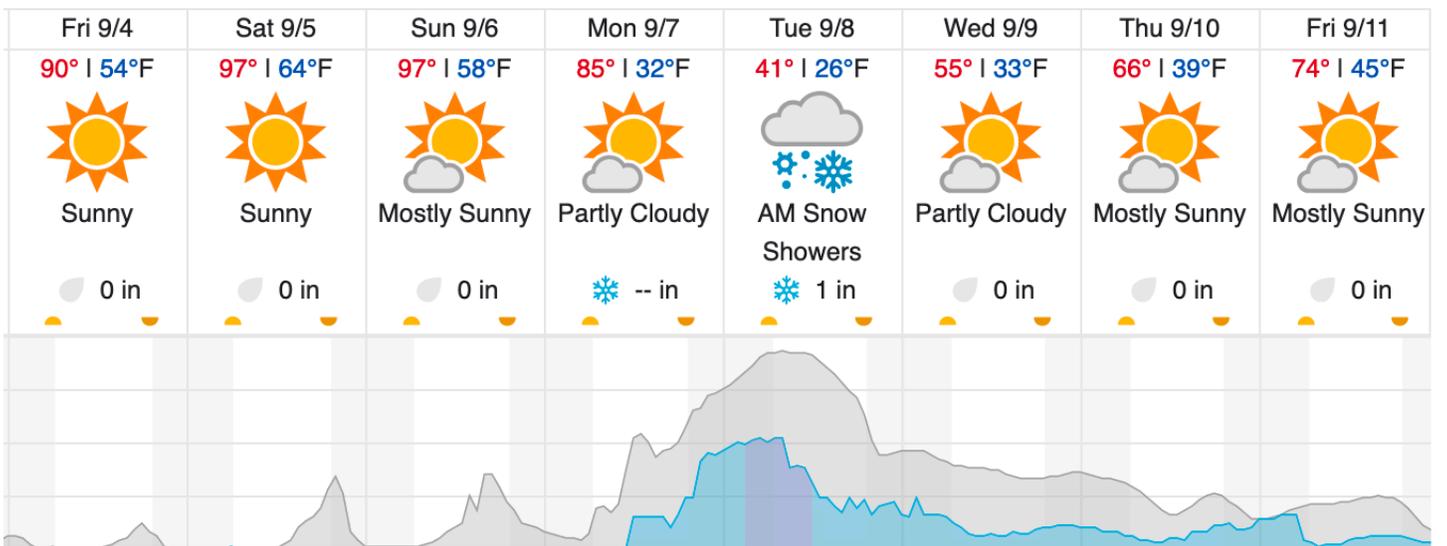
1 2

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

Weather Forecast
 Boulder, CO



Nunn, CO



Cloud Cover (%)	Chance of Precip. (%)
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Flight Collection Plan for 04 September 2020

Flyority 1

Collection Area: Satellite Overpass Coincident Collection & 1000m Multiple Altitude Test Flight - CPER

Flight Plan Name: D10_CPER_C1_P1_v6_Q780

On-station Time: 1010 – 1600 Local / 1600 – 2200 UTC

Flyority 2

Collection Area: 2000m Multiple Altitude Flight - CPER

Flight Plan Name: D10_K10A_Multiple_Alt_2000m_v1

On-station Time: 1010 – 1600 Local / 1600 – 2200 UTC

Flyority 3

Collection Area: 1000m Multiple Altitude Test Flight - RMNP

Flight Plan Name: D10_RMNP_R2_P1_v2_Q780

On-station Time: 1020 – 1610 Local / 1600 – 2210 UTC

Flyority 4

Collection Area: 2000m Multiple Altitude Flight - RMNP

Flight Plan Name: D10_K10B_Multiple_Alt_v2

On-station Time: 1020 – 1610 Local / 1600 – 2210 UTC

Friday 9/4 Crew: Mitch (Lidar), Robb (NIS), Cam (Ground)

Saturday 9/5 Crew: Robb (Lidar), Cam (NIS), Mitch (Ground) Elissa (Field Tarps)

Sunday 9/6 Crew: Cam (Lidar), Mitch (NIS), Robb (Ground)