



Payload 3 Daily Flight Report



Date: 2020-09-14

Flight Campaign ID: P3C1

Airport, FBO ID, City: Rocky Mountain Metropolitan Airport (KBJC) - Broomfield, CO

Domain: 00 (Training & Calibration)

Sites Flown: None

Days left in Domain: 2

Report Author: Mitch Haynes

Lidar Operators: Mitch Haynes

Flight Hours: 00:00

Spectrometer Operators: Robb Walker

Hours until maintenance: 15.32

Pilots: Justin Eddington, Stephen Brawders

Ground Crew: Cameron Chapman

Summary

Another day of clear skies with very few clouds, however plumes of smoke observed over Northern Colorado were observed and deemed unacceptable for the Multiple Altitude flightplan over RMNP. No flights occurred.

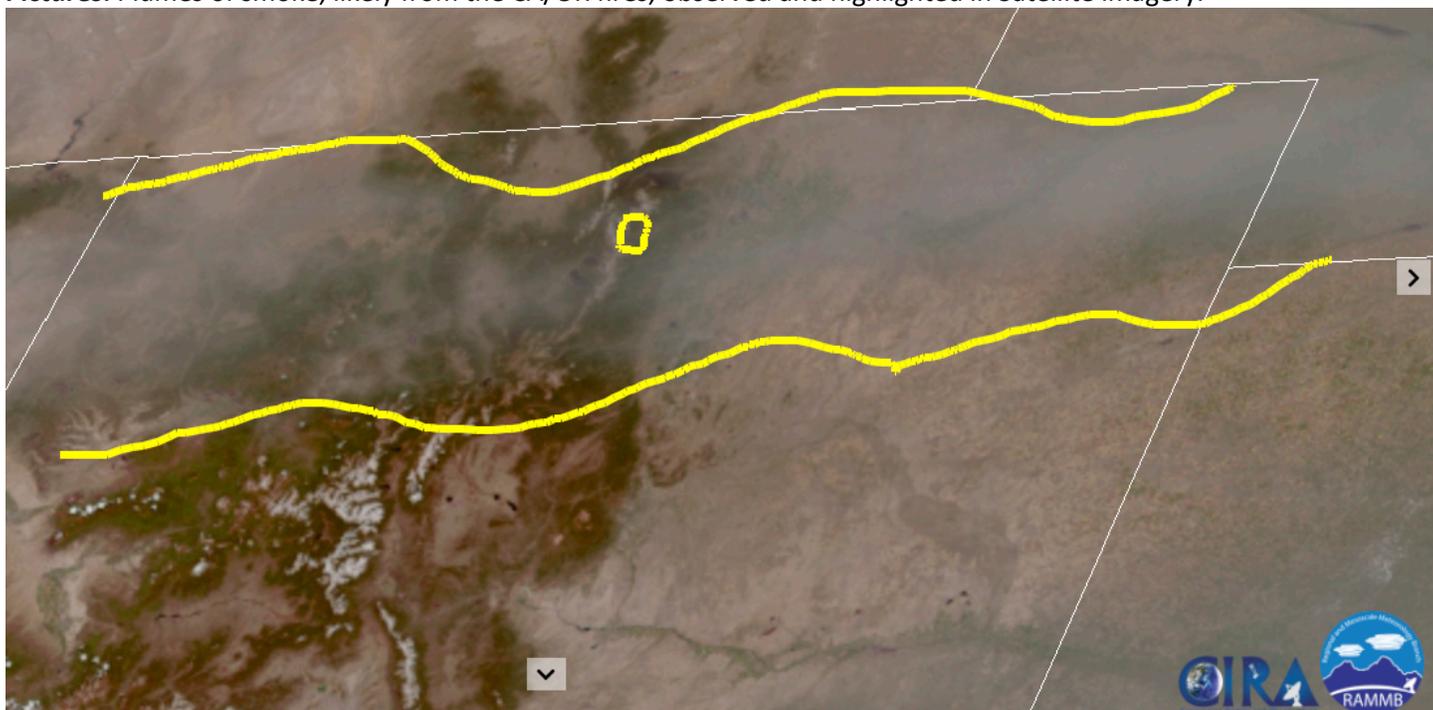
Concerns

None

Comments

- Extraction and QA of weekend flights is ongoing
- Payload removal to occur on Thursday, 9/17

Pictures: Plumes of smoke, likely from the CA/OR fires, observed and highlighted in Satellite imagery.



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: 100% (14/14)

Green: 100% (14/14)

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: 100% (6/6)

Green: 100% (6/6)

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)

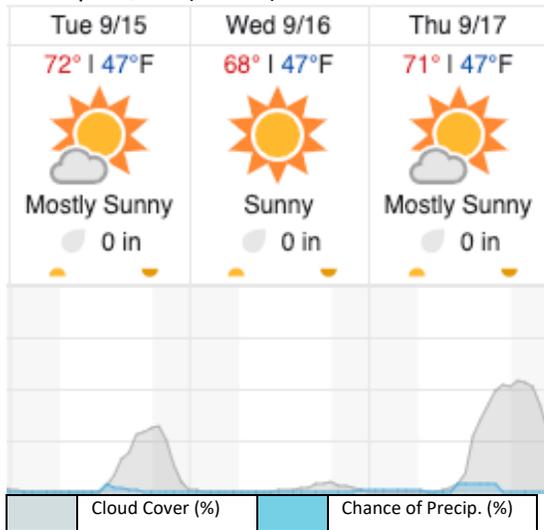
D00|W10C (Wiggle Timing Test - Riegl)

1 2

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

Weather Forecast

Allenspark, CO (RMNP)



Flight Collection Plan for 15 September 2020

Flyority 1

Collection Area: 1000m Multiple Altitude Test Flight - RMNP
Flight Plan Name: D10_RMNP_R2_P1_v2_Q780
On-station Time: 1040 – 1540 Local / 1630 – 2130 UTC

Flyority 2

Collection Area: 2000m Multiple Altitude Flight - RMNP
Flight Plan Name: D10_K10B_Multiple_Alt_v2
On-station Time: 1040 – 1540 Local / 1630 – 2130 UTC

Tuesday 9/15 Crew: Robb (Lidar), Cam (NIS), Mitch (Ground)

Wednesday 9/16 Crew: Cam (Lidar), Mitch (NIS), Robb (Ground)

Thursday 9/17 Deinstallation Crew: Matt, Cam, Mitch, Robb