Payload 3 Daily Flight Report

Date: 2020-08-31
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: 17

Report Author: Cameron Chapman
Lidar Operators: Cameron Chapman   **Flight Hours**: 00:00
Spectrometer Operators: Ivana Vu   **Hours until maintenance**: 25.85
Pilots: Jeff Quintanilla, Justin Eddington   **GPS Instruments**: None
Ground Crew: Robb Walker

Summary
A mixture of clouds, smoke and isolated rain showers kept the aircraft grounded today. There appears to be several great weather days in the near-term forecast.

Concerns
- None

Comments
- None

Daily Coverage
- n/a

Flight Screenshots
- n/a

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

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

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

Flown: 0% (0/20)
Green: 0% (0/20)
Yellow: 0% (0/20)
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|K10A (2000m Multiple Altitude Test Flight - CPER)

6	7	8	9	10	11

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

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

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

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

Flown: 0% (0/18)
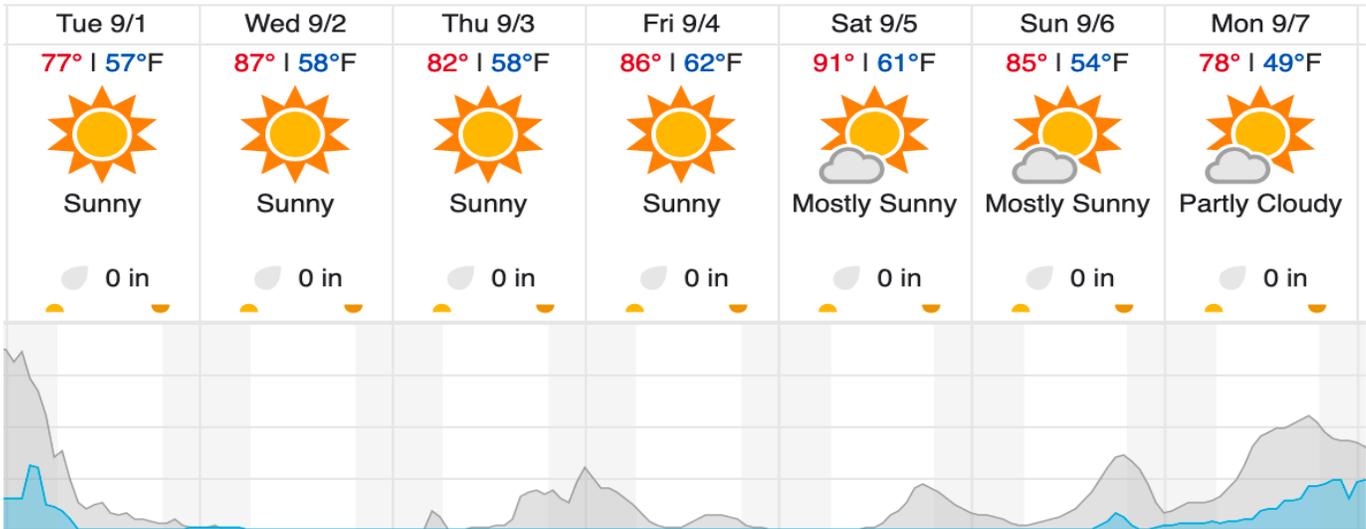
Green: 0% (0/18)
Yellow: 0% (0/18)
Red: 0% (0/18)
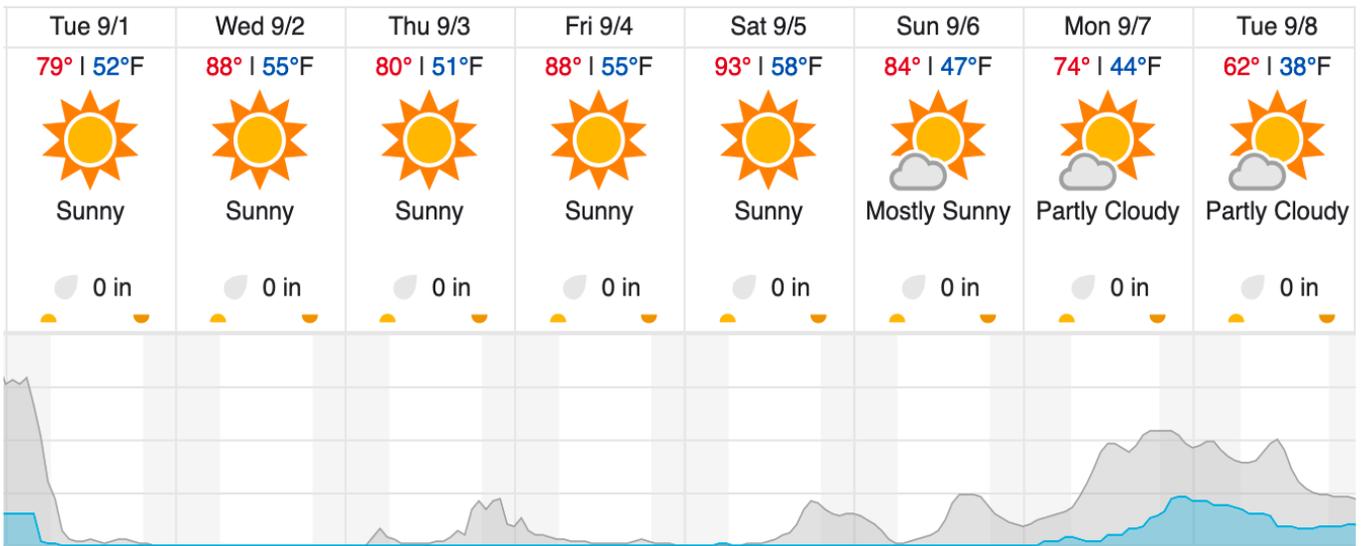
D00|W10C (Wiggle Timing Test - Riegl)

1	2

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

Weather Forecast

Boulder, CO

Tue 9/1	Wed 9/2	Thu 9/3	Fri 9/4	Sat 9/5	Sun 9/6	Mon 9/7
77° | 57°F	87° | 58°F	82° | 58°F	86° | 62°F	91° | 61°F	85° | 54°F	78° | 49°F
Sunny	Sunny	Sunny	Sunny	Mostly Sunny	Mostly Sunny	Partly Cloudy
0 in	0 in	0 in	0 in	0 in	0 in	0 in

Nunn, CO

Tue 9/1	Wed 9/2	Thu 9/3	Fri 9/4	Sat 9/5	Sun 9/6	Mon 9/7	Tue 9/8
79° | 52°F	88° | 55°F	80° | 51°F	88° | 55°F	93° | 58°F	84° | 47°F	74° | 44°F	62° | 38°F
Sunny	Sunny	Sunny	Sunny	Sunny	Mostly Sunny	Partly Cloudy	Partly Cloudy
0 in	0 in	0 in	0 in	0 in	0 in	0 in	0 in

	Cloud Cover (%)		Chance of Precip. (%)

Flight Collection Plan for 01 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: 1000 – 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: 1000 – 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: 1000 – 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: 1000 – 1610 Local / 1600 – 2210 UTC
Flyority 5
Collection Area: NIS Offset Flight
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780
On-station Time: 0940 – 1640 Local / 1540 – 2240 UTC

Tuesday 9/1 Crew: Mitch (Lidar), Robb (NIS), Cam (Ground)
Wednesday 9/2 Crew: Robb (Lidar), Cam (NIS), Mitch (Ground)
Thursday 9/3 Crew: Cam (Lidar), Mitch (NIS), Robb (Ground)