



September 13, 2018 Payload 3 Daily Flight Report



Date: 2018-09-13

Flight Campaign ID: 2018_P3C1

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

Domain: 10

Sites Flown: RMNP_P1 (Rocky Mountain National Park Priority 1), RMNP_P2 (Rocky Mountain National Park Priority 2)

Days left in Domain: 0

Report Author: Robb Walker

Flight Crew: Robb Walker, Matt Devoe

Ground/GPS: Matt Devoe

Pilots: Grant Frost, Stephen Brawders

Additional Personnel:

GPS Instruments: 08 - BLDR, 14 - RMNP_P1

Flight Hours: 04:28, 02:27

Hours until maintenance: 69.80

Summary

Rocky Mountain National Park flight box was completed today. This concludes collections in Domain 10.

Concerns

Hangar GPU overheated again today and shutoff just before second flight.

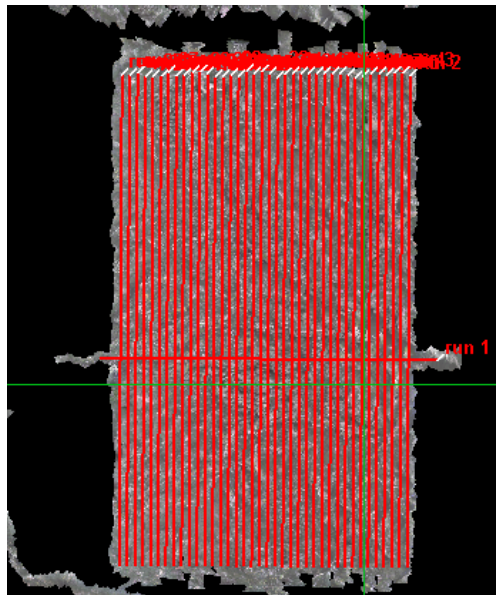
Comments

- Flight ID 2018091315 was completed in two flights on one set of disks. System was left on during quick turn for fuel. Lines 2-15 collected during second flight were collected with sun angle less than 40 deg.
- Payload 3 transits to Boise Idaho tomorrow for BB-Flux collection.
- NIS pumping down overnight and getter will be activated tomorrow morning.
- Bridget Hass and Nick Marusich arrived in Boise and FBO is prepped for our arrival.

Flight Screenshots



Lidar



NIS

Pictures



Sky conditions over RMNP

Daily Coverage

D10 RMNP_P1	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
	33				✓	✓	✓	NLC
	34				✓	✓	✓	NLC
	35				✓	✓	✓	NLC
	36				✓	✓	✓	NLC
	37				✓	✓	✓	NLC
	38				✓	✓	✓	NLC
	39				✓	✓	✓	NLC
Flown:	9							
D10 RMNP_P2	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC

	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
Flown:	30							

Cumulative Domain Coverage

RMNP_P1

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	36	37	38	39	

Flown: 23% (9/39)

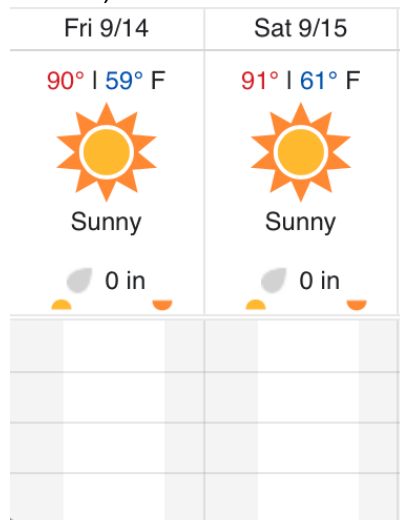
Green: 38% (15/39)

Yellow: 0% (0/39)

Red: 0% (0/39)

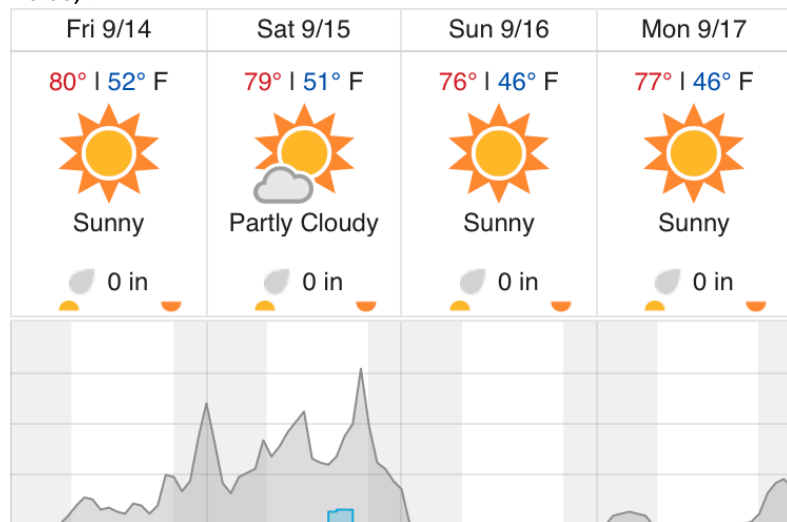
Weather Forecast

Boulder, CO



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

Boise, ID



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

Flight Collection Plan for 14 September 2018

No flight collection planned for tomorrow. Aircraft repositioning to Boise Idaho for BB Flux collections.