



August 12, 2019 Payload 3 Daily Flight Report



Date: 2019-08-12

Flight Campaign ID: 2019_P3C1

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

Domain: 13

Sites Flown: MOAB (Moab)

Days left in Domain: 14

Report Author: John Adler

Flight Crew: John Adler, Ivana Vu

Ground/GPS: John Adler, Ivana Vu

Pilots: Chad Evans, Shelby Schulz

Additional Personnel: None.

Flight Hours: 05:25 + 1.0 second transit

Hours until maintenance: 62.32

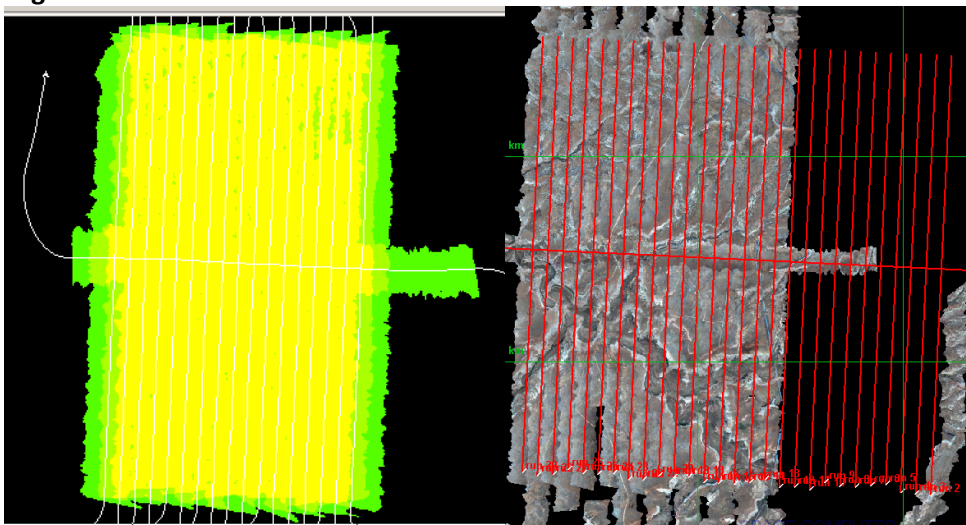
GPS Instruments: 01 - FBO_KBDU, C-MC01, C-MC04, U-P012

Summary: Forecast and early morning weather was cloud-free at MOAB, but clouds formed on the Eastern portion of the sky at the Domain site. To the west of the site it was cloud-free all day. Result was Yellow coverage over MOAB.

Concerns: The AOP airplane tug is currently down for a mechanical issue. However, the good folks at Journey's aviation will allow us to use their tug this week until we fix the issue. Thanks Journey's!

Comments: Ivana Vu leaves for Payload 2 tomorrow, Nick Marusich returns to Boulder tomorrow.

Flight Screenshots



lidar system

NIS

Daily Coverage

D13 MOAB	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	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				✓	✓	✓	LC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
Flown:	18							

Cumulative Domain Coverage

MOAB

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											

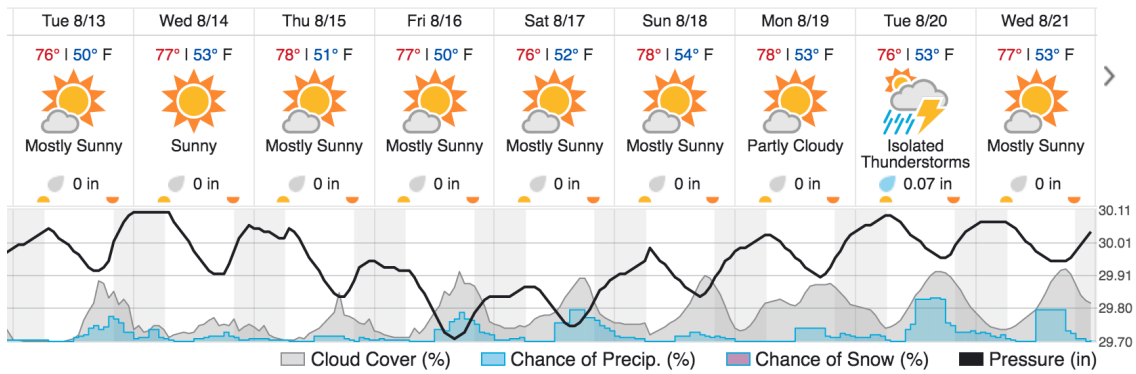
Flown: 55% (16/29)
 Green: 0% (0/29)
 Yellow: 55% (16/29)
 Red: 0% (0/29)

NIWO

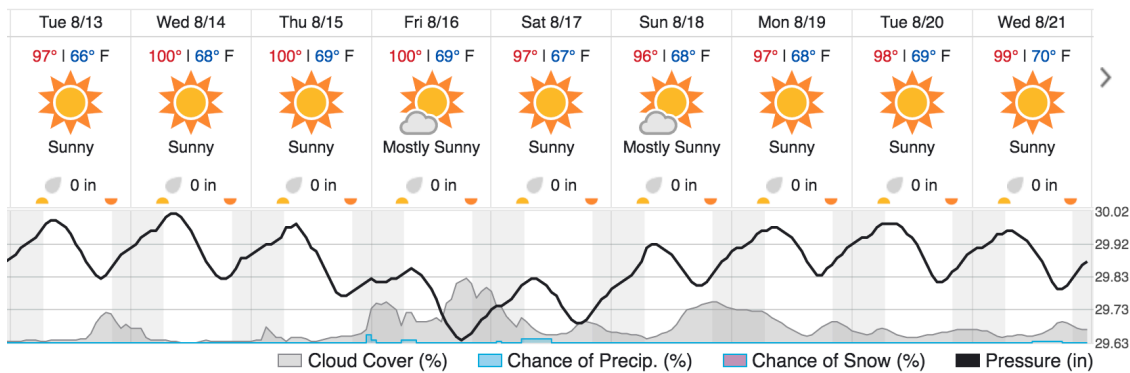
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52								

Flown: 0% (0/52)
 Green: 0% (0/52)
 Yellow: 0% (0/52)
 Red: 0% (0/52)

Weather Forecast



Nederland, CO (NIWO)



Moab, UT (MOAB)

Flight Collection Plan for 13 August 2019

Flyority 1

Collection Area: Niwot Ridge Mountain Research Station (NIWO)

Flight Plan Name: D13_NIWO_C1_P1_v5_Q780

On-Station Time: 1550 – 2230 UTC / 0940 – 1630 L

Flyority 2

Collection Area: Moab (MOAB)

Flight Plan Name: D13_MOAB_R1_P1_v3_Q780

On-Station Time: 1610 – 2240 UTC / 1010 – 1640 L

Crew: John Adler (lidar), Nick Marusich (NIS)