



August 19, 2019 Payload 3 Daily Flight Report



Date: 2019-08-19

Flight Campaign ID: 2019_P3C1

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

Domain: 13

Sites Flown: NIWO (Niwot Ridge Mountain Research Station)

Days left in Domain: 7

Report Author: Matt Devoe

Flight Crew: Matt Devoe, Elissa Barris

Ground/GPS: Nick Marusich

Pilots: Chad Evans, Shelby Schulz

Additional Personnel:

GPS Instruments: 01 - FBO_KBDU, 03 – NIWO

Flight Hours: 03:25

Hours until maintenance: 54.18

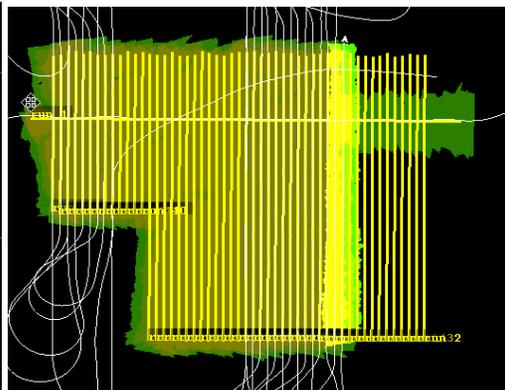
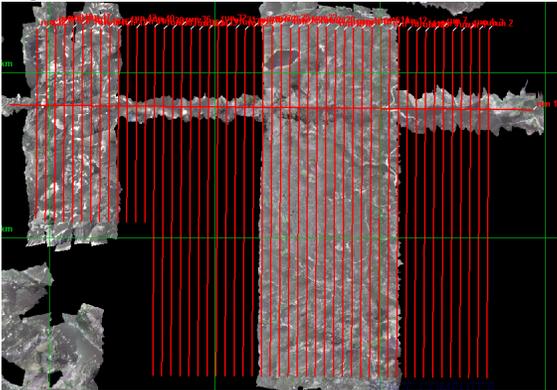
Summary

24 lines completed under green/yellow conditions in the Niwot Ridge Mountain Research station area.

Concerns

None

Flight Screenshots



Pictures: Continental Divide looking South.



Daily Coverage

D13 NIWO	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
	44				✓	✓	✓	NLC
	45				✓	✓	✓	NLC
	46				✓	✓	✓	NLC
	47				✓	✓	✓	NLC
	48				✓	✓	✓	NLC
	49				✓	✓	✓	NLC
	50				✓	✓	✓	NLC
	51				✓	✓	✓	NLC
	52				✓	✓	✓	NLC
Flown:	24							

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								

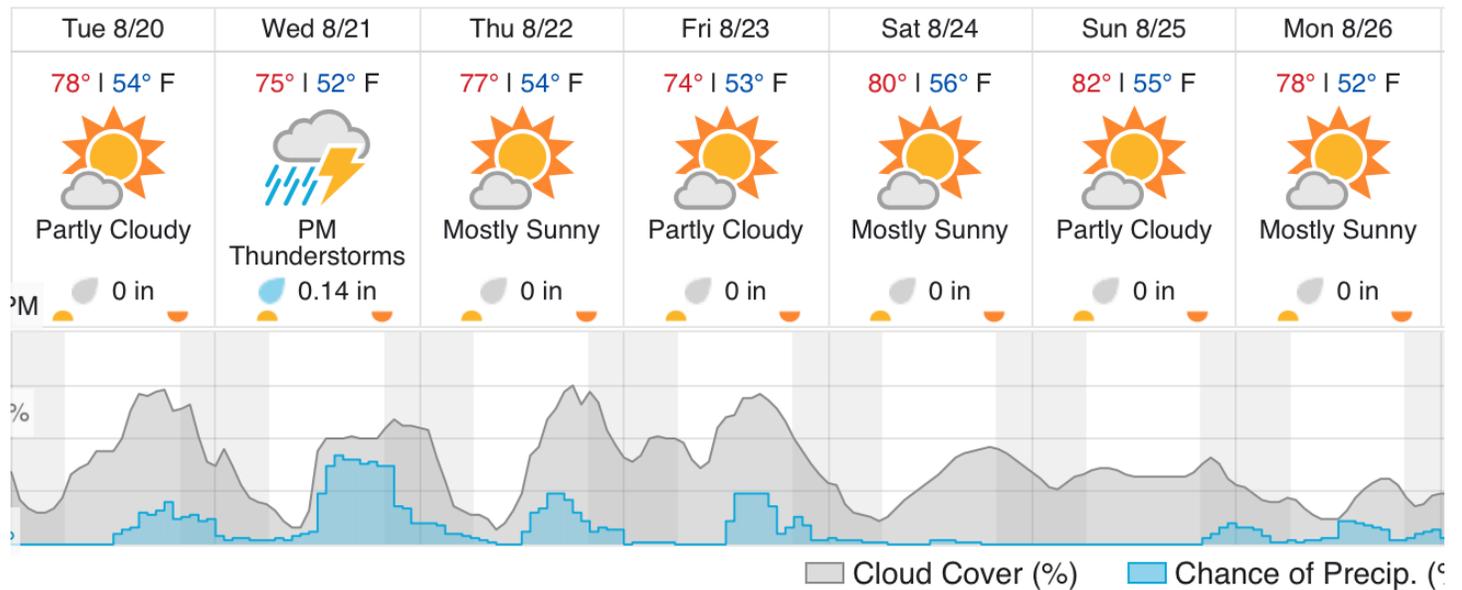
Flown: 79% (41/52)

Green: 54% (28/52)

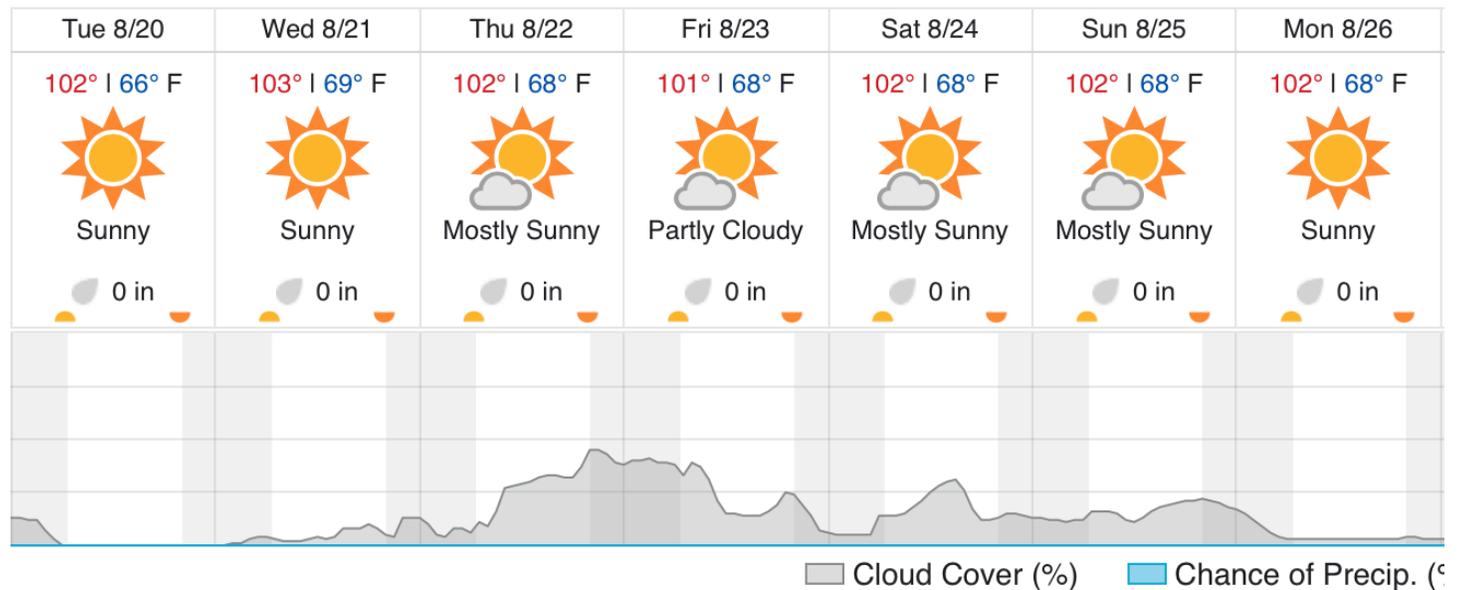
Yellow: 33% (17/52)

Red: 0% (0/52)

Weather Forecast (NIWOT)



MOAB



Flight Collection Plan for 20 August 2019

Crew: Elissa Barris (Lidar), Matt DeVoe (NIS/Ground)

Flyority 1

Collection Area: Niwot Ridge Mountain Research Station (NIWO)

Flight Plan Name: D13_NIWO_C1_P1_v5_Q780

On-Station Time: 1600 – 2220 UTC / 1000 – 1620 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

Flyority 3

Collection Area: Sterling Agricultural Site (STER)

Flight Plan Name: D10_STER_R1_P1_v3_Q780

On-Station Time: 1550 – 2210 UTC / 0950 – 1610 L

