



August 26, 2019 Payload 3 Daily Flight Report



Date: 2019-08-26

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), WLOU (West St. Louis Creek)

Days left in Domain: 0

Report Author: Michael Wussow

Flight Crew: Michael Wussow, Robb Walker

Ground/GPS: Matt Devoe

Pilots: Mike Francis, Shelby Schulz

Additional Personnel:

GPS Instruments: 01 - FBO_KBDU, 03 - NIWO, 04 - WLOU

Flight Hours: 03:20

Hours until maintenance: 44.75

Summary

Mostly sunny but bumpy conditions allowed for one last flight in D13. The remaining lines at Niwot Ridge and the small survey area over West St. Louis Creek were covered under “yellow” and “green” conditions today. This concludes collections in D13.

Concerns

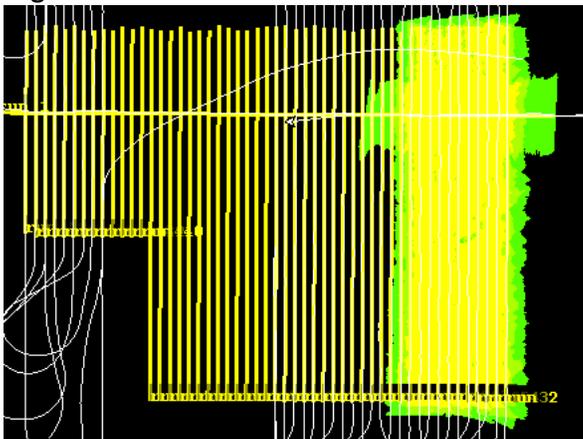
None

Comments

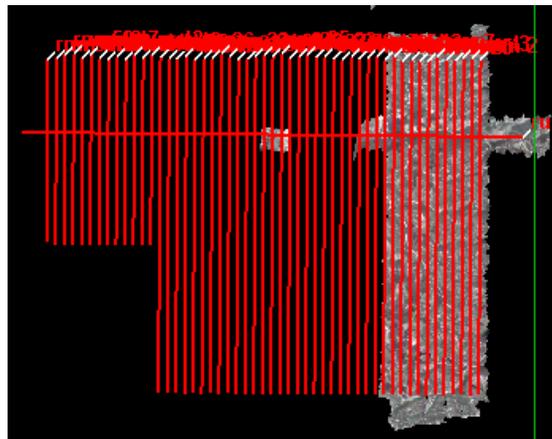
-12 lines were collected under yellow at NIWO and 14 under green at WLOU

-N615AR is packed and ready to depart for Thomasville, GA tomorrow for collections at JERC in D03.

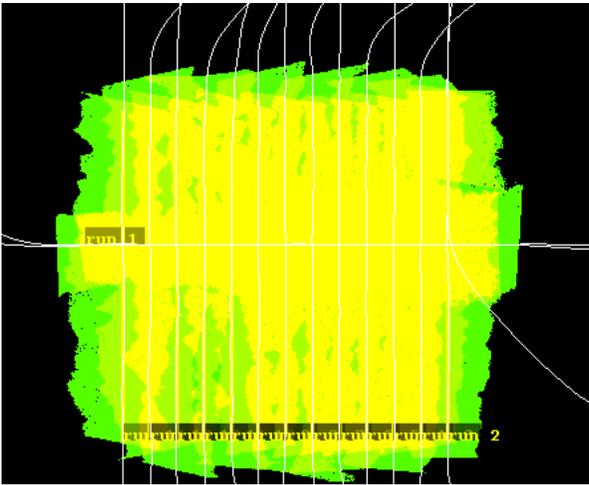
Flight Screenshots



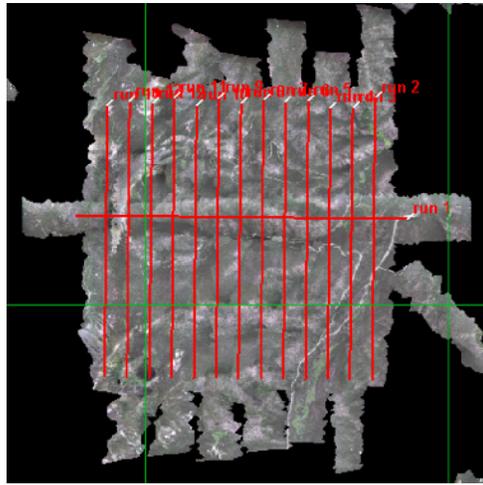
NIWO Lidar



NIWO Spectrometer



WLOU Lidar



WLOU Spectrometer

Pictures



Small puffies in the view looking south towards Nederland, CO during NIWO survey



Looking west towards the Williams Fork and the Gore Ranges from above WLOU

Daily Coverage

D13 NIWO	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
Flown:	12							

D13 WLOU	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							
	14							
Flown:	14							

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: 100% (29/29)

Green: 79% (23/29)

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: 100% (52/52)

Green: 54% (28/52)

Yellow: 56% (29/52)

Red: 0% (0/52)

WLOU

1	2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	---	----	----	----	----	----

Flown: 100% (14/14)

Green: 100% (14/14)

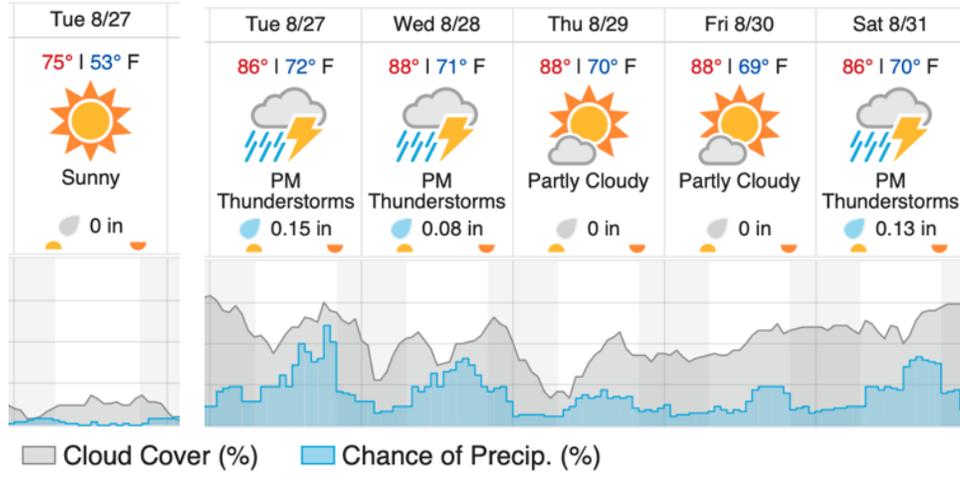
Yellow: 0% (0/14)

Red: 0% (0/14)

Weather Forecast

Boulder, CO

Thomasville, GA



Flight Collection Plan for 27-28 Aug 2019

Transit to Thomasville, GA - D03