



July 30, 2018 Payload 3 Daily Flight Report



Date: 2018-07-30

Flight Campaign ID: 2018_P3C1

Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO - Grand Junction Regional Airport (KGJT) - Grand Junction, CO - Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 13

Sites Flown: MOAB (Moab)

Days left in Domain: 18

Report Author: Robb Walker

Flight Crew: Robb Walker, Abe Morrison

Ground/GPS: Cameron Chapman

Pilots: Stephen Brawders, Gina Moore

Additional Personnel:

GPS Instruments: C-MC01, U-P012

Flight Hours: 01:15, 04:11, 01:10

Hours until maintenance: 19:58

Summary

Completed all MOAB lines under "Green" conditions, albeit hazy from forest fires in SW Colorado.

Concerns

No access to Table Mountain yet for tarp deployment.

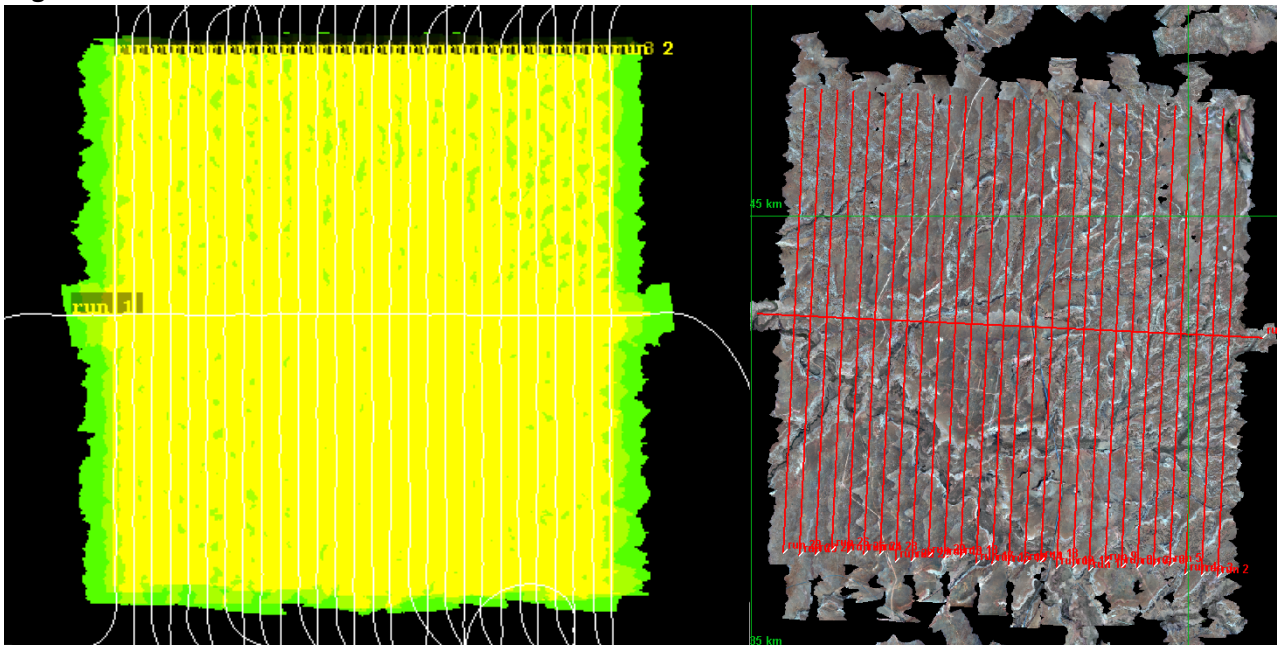
Comments

-System started and finished in Grand Junction, CO using GPS C-MC01.

-Stop in Grand Junction at end of day to complete tire change and investigate other engine issues.

-Peaches were delivered to crew from the mayor of Twin Otter Town. Thanks Tate!

Flight Screenshots



Pictures



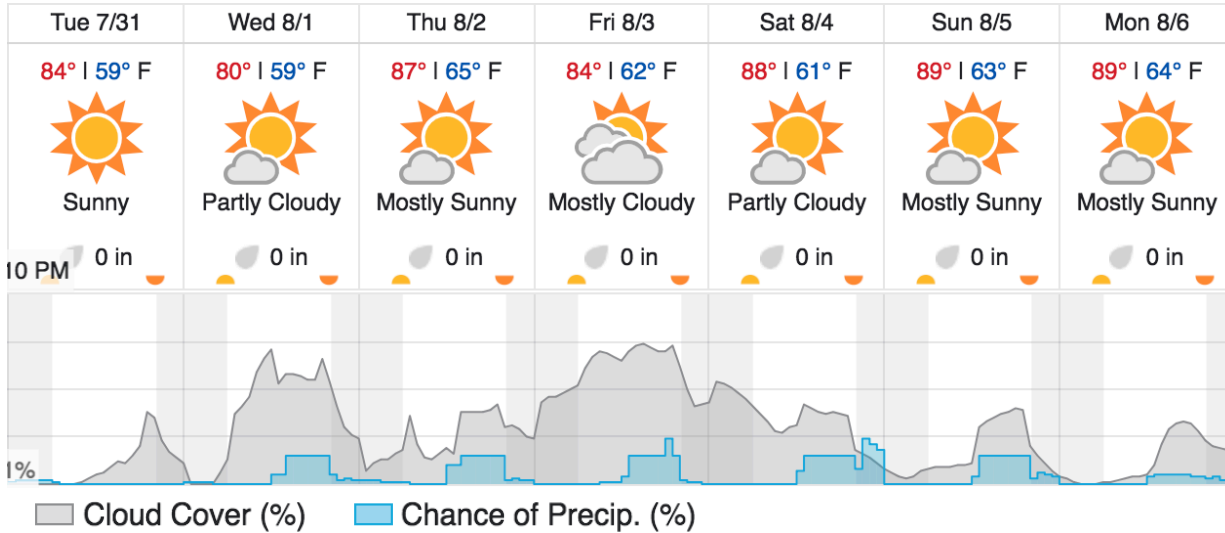
Hazy conditions at MOAB(left), Fires in Western CO to blame (right)

Daily Coverage

D13 MOAB	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
Flown:	29							

Weather Forecast

Boulder, CO



Flight Collection Plan for 31 July 2018

Flyority 1 (Flight Priority 1):

Collection Area: Table Mountain Radiometric Calibration

Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780

On-Station Time: 15:59 UTC / 0959 L

Flyority 2 (Flight Priority 2):

Collection Area: Niwot Ridge Mountain Research Station (NIWO)

Flight Plan Name: D13_NIWO_C1_P1_v5_Q780

On-Station Time: 15:33 UTC / 0933 L

Flyority 3 (Flight Priority 3): Lines 1-29 (Green)

Collection Area: Moab (MOAB)

Flight Plan Name: D13_MOAB_R1_P1_v2_Q780

On-Station Time: 15:50 UTC / 0950 L

Flyority 4 (Flight Priority 4):

Collection Area: Rocky Mountain National Park (RMNP)

Flight Plan Name: D10_RMNP_R2_P1_v2_Q780

On-Station Time: 15:33 UTC / 0933 L

Flyority 5 (Flight Priority 5):

Collection Area: Sterling Agricultural Site (STER)

Flight Plan Name: D10_STER_R1_P1_v3_Q780

On-Station Time: 15:25 UTC / 0925 L

Flyority 6 (Flight Priority 6):

Collection Area: West St. Louis Creek (WLOU)

Flight Plan Name: D13_WLOU_A1_P1_v1_Q780

On-Station Time: 15:35 UTC / 0935 L

Crew: Cameron Chapman (Lidar), Robb Walker (NIS)