



August 12, 2018 Payload 3 Daily Flight Report



Date: 2018-08-12

Flight Campaign ID: 2018_P3C1

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

Domain: 13/10

Sites Flown: STER (Sterling Agricultural Site)

Days left in Domain: 5

Report Author: Cameron Chapman

Flight Crew: Cameron Chapman, Abe Morrison

Ground/GPS: Mitch Haynes

Pilots: Grant Frost, Stephen Brawders

Additional Personnel:

GPS Instruments: 03 - FBO_KBDU, 10 - STER

Flight Hours: 01:40

Hours until maintenance: 117.68

Summary

With initial coverage complete over NIWO & MOAB the crew shifted focus to the D10 site of STER. Upon arriving on site the haze and smoke proved too much to attempt collection.

Concerns

The chamber pressure alerts are sending at an alarming rate due to the false pressure reading. Abe will go to the hangar to fix the issue.

Comments:

The system will be shutdown tomorrow after flights for AOP Lab troubleshooting.

Flight Screenshots: N/A

Daily Coverage: N/A

Picture:

Haze and Smoke observed over Sterling CO



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: 100% (29/29)
 Yellow: 0% (0/29)
 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: 56% (29/52)
 Green: 42% (22/52)
 Yellow: 14% (7/52)
 Red: 0% (0/52)

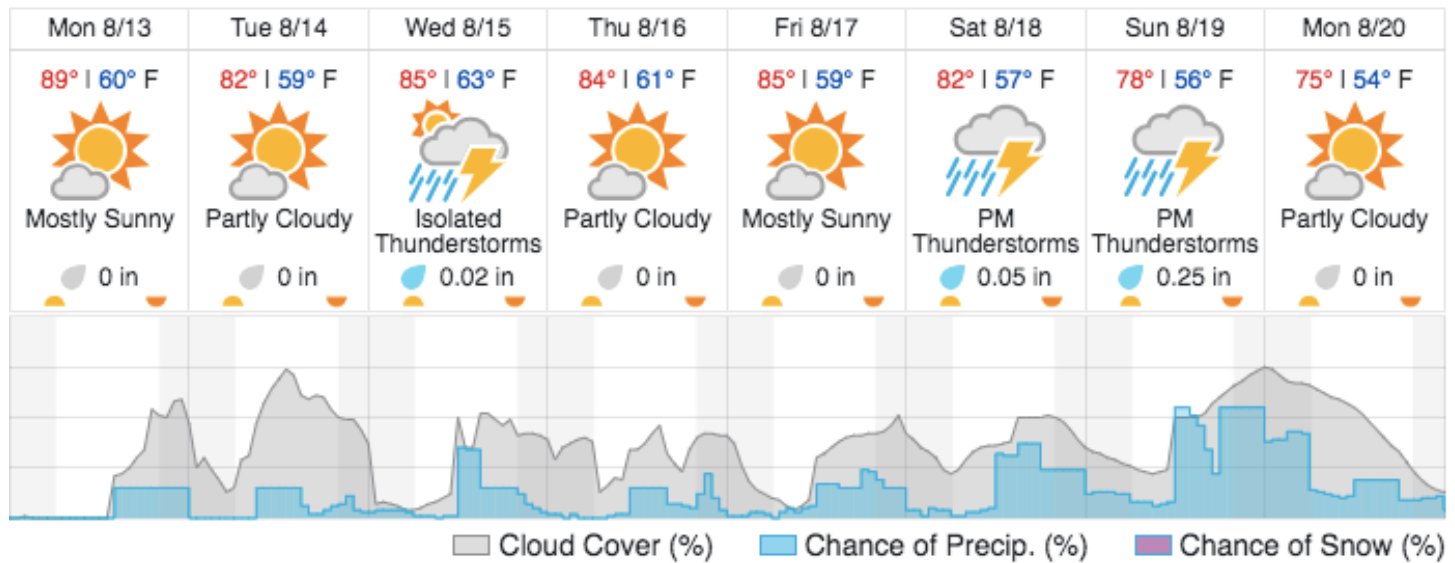
WLOU

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

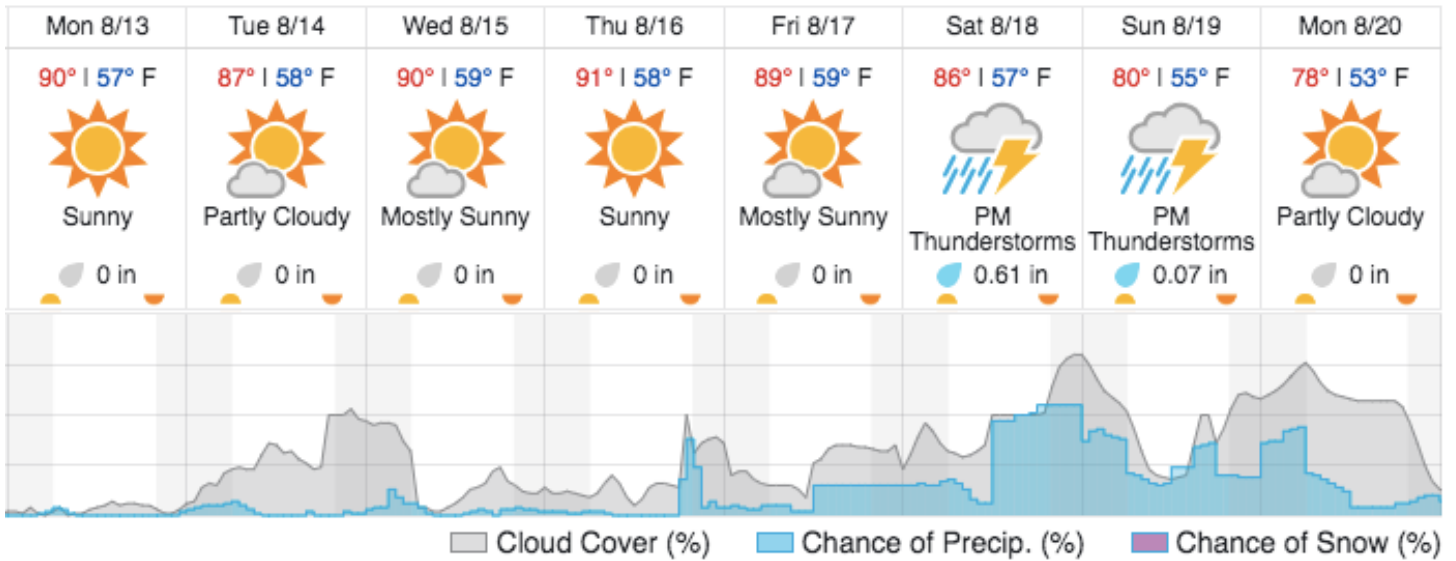
Flown: 0% (0/14)
 Green: 0% (0/14)
 Yellow: 0% (0/14)
 Red: 0% (0/14)

Weather Forecast

Boulder CO



Sterling CO



Flight Collection Plan for 13 August 2018

Flyority 1 (Flight Priority 2): Lines 2- 30 if Green Sky Conditions

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 2 (Flight Priority 3):

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 3 (Flight Priority 4):

Collection Area: Sterling Agricultural Site (STER)

Flight Plan Name: D10_STER_R1_P1_v3_Q780

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

Flyority 4 (Flight Priority 5):

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: Nick Marusich (Lidar) Bridget Hass (NIS) Cameron (Trainer)