



April 18, 2018 Payload 3 Daily Flight Report



Date: 2018-04-18

Flight Campaign ID: 2018_P3C1

Airport, FBO ID, City: Wichita Falls Municipal Airport (KSPS) - Wichita Falls, TX

Domain: 11

Sites Flown: OAES (Klemme Range Research Station)

Days left in Domain: 8

Report Author: Ivana Vu

Flight Crew: Ivana Vu, Mitch Haynes

Flight Hours: 04:04, 01:58

Ground/GPS: Michael Wussow

Hours until maintenance: 74.93

Pilots: Mike Francis, Paul Muth

Additional Personnel: None

GPS Instruments: 04 - OAES, 05 - FBO_KSPS

Summary

Clear cloud conditions allowed for a full day of green data collection. Crew made a fuel stop in Burns Flat, OK while the system remained on.

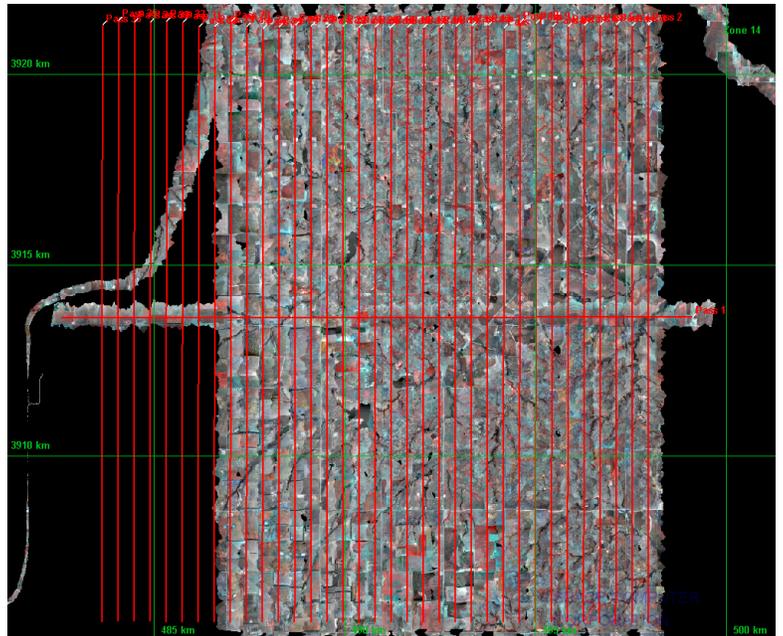
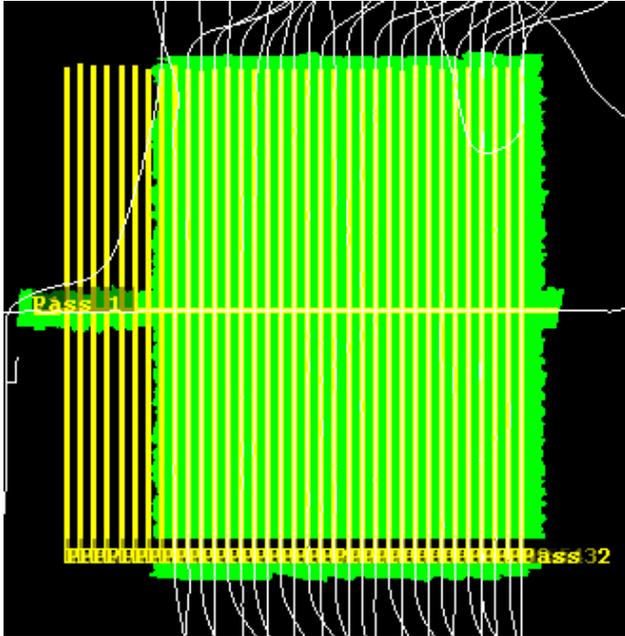
Concerns

There was a light layer of smoke over the site due to local wildfires, however, flight crew does not think a re-fly is necessary. Detailed notes are annotated in the flight logs.

Comments

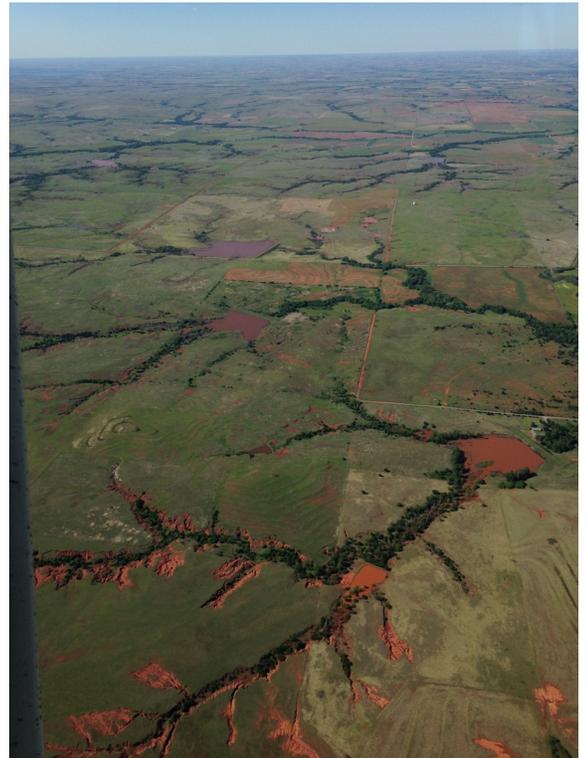
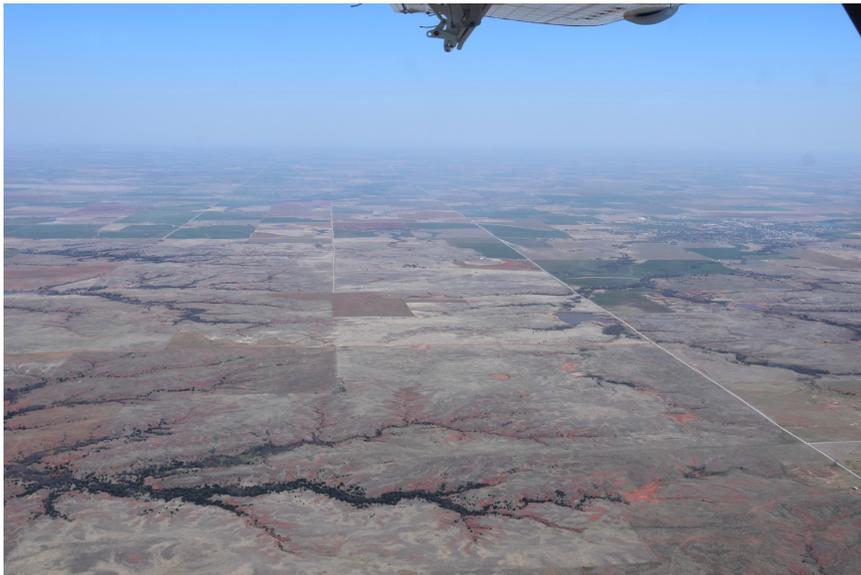
- Today's flight confirmed that altering the .rpp file does indeed change the RiAcquire settings – even though the RiAcquire Default Destination Folder pointed to C drive, decimated LAS files were still saving to the D drive.
- KCSM is a viable fuel stop near the OAES site, with shore power and a GPU available.

Flight Screenshots



Pictures

Below: Klemme Range Research Station today (note layer of smoke)
Right: Photo of the same site taken last year (5/1/2017)



Below: Red River today (Texas/Oklahoma border)
 Right: Photo of the same river taken last year (5/4/2017)



Daily Coverage

D11 OAES	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
Flown:	28							

Cumulative Domain Coverage

CLBJ

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: 0% (0/29)

Green: 0% (0/29)

Yellow: 0% (0/29)

Red: 0% (0/29)

OAES

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				

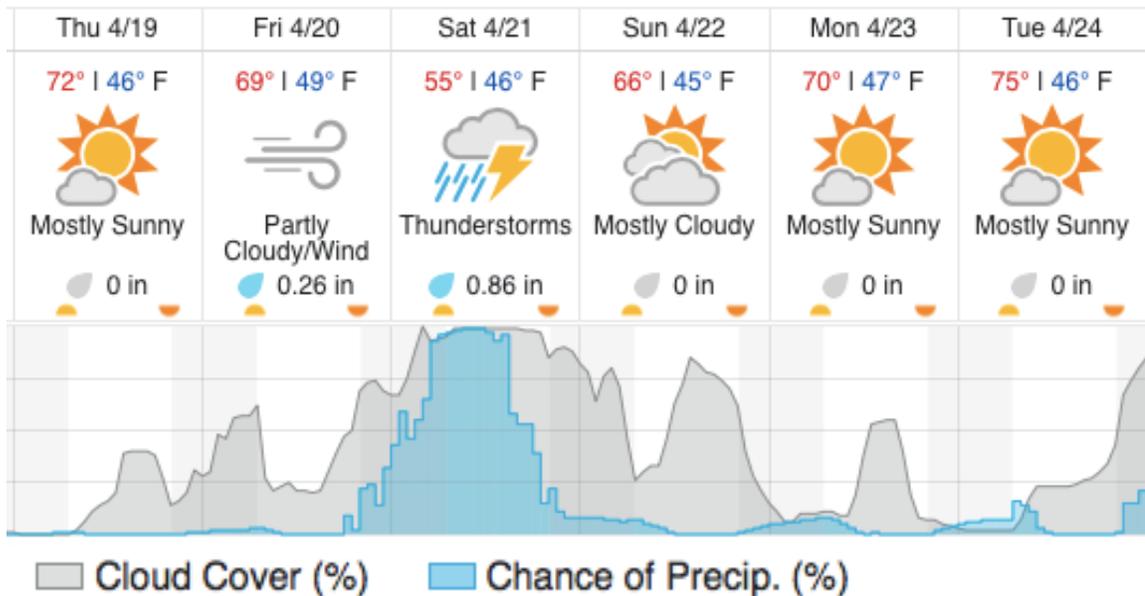
Flown: 78% (28/36)

Green: 78% (28/36)

Yellow: 0% (0/36)

Red: 0% (0/36)

Weather Forecast



Flight Collection Plan for 19 April 2018

Flight Order Priority (Flyority) 1:

Collection Area: Klemme Range Research Station (OAES), lines 29-36

Flight Plan Name: D11_OAES_R1_P1_v3_Q780

On Station: 1050 L / 1530 UTC

Flyority 2:

Collection Area: Lyndon B. Johnson National Grasslands (CLBJ)

Flight Plan Name: D11_CLBJ_C1_P1_v3_Q780

On Station: 1020 L / 1520 UTC

Crew: Mitch Haynes (Lidar), Ivana Vu (NIS), Michael Wussow (Ground/GPS)

Flight Collection Plan for 10 April 2018

Flyority 1:

Collection Area: Klemme Range Research Station (OAES), *lines 29-36*

Flight Plan Name: D11_OAES_R1_P1_v3_Q780

On Station: 1050 L / 1530 UTC

Flyority 2:

Collection Area: Lyndon B. Johnson National Grasslands (CLBJ)

Flight Plan Name: D11_CLBJ_C1_P1_v3_Q780

On Station: 1030 L / 1530 UTC

Crew: Ivana Vu (Lidar), Mitch Haynes (NIS), Michael Wussow (Ground/GPS)

On-Going Issues

Database – Database crashed in-flight, 2 times on the NIS DCC computer and 3 times on the Lidar Crystal Computer