



April 19, 2018 Payload 3 Daily Flight Report



Date: 2018-04-19

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: 7

Report Author: Mitch Haynes

Flight Crew: Mitch Haynes, Ivana Vu

Ground/GPS: Michael Wussow

Pilots: Mike Francis, Paul Muth

Additional Personnel: None

GPS Instruments: 04 - OAES, 05 - FBO_KSPS

Flight Hours: 02:41

Hours until maintenance: 72.25

Summary

With high cloud coverage ousting any opportunity for a green collect at either site, FltOps opted to take advantage of the more tranquil winds and finish initial collection at OAES under red conditions. Now that OAES has 100% coverage, 100% green TOS coverage, and close to 80% green coverage, focus in the coming days will shift towards CLBJ, with the option to return OAES and "better up" if time and conditions present themselves.

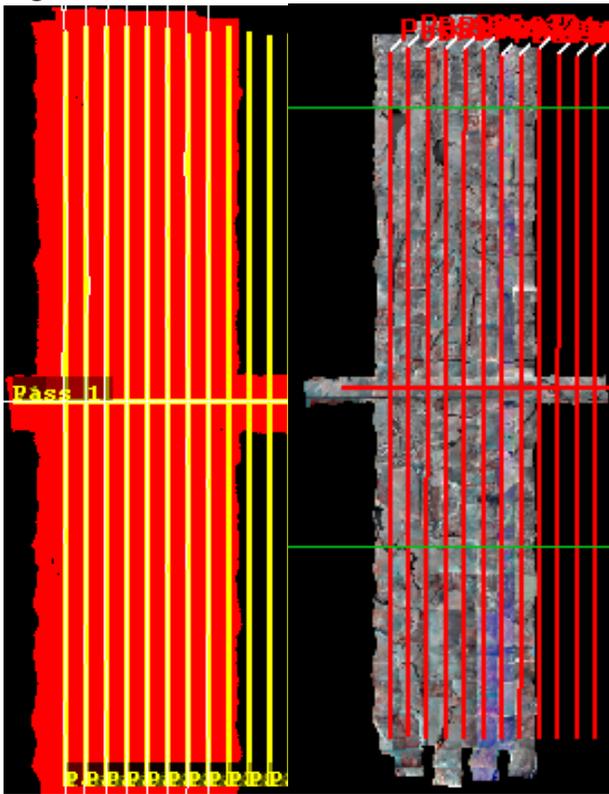
Concerns

None

Comments

None

Flight Screenshots



Pictures – Red conditions over OAES today.



Daily Coverage

D11 OAES	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
	33				✓	✓	✓	NLC
	34				✓	✓	✓	NLC
	35				✓	✓	✓	NLC
	36				✓	✓	✓	NLC
Flown:	9							

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)

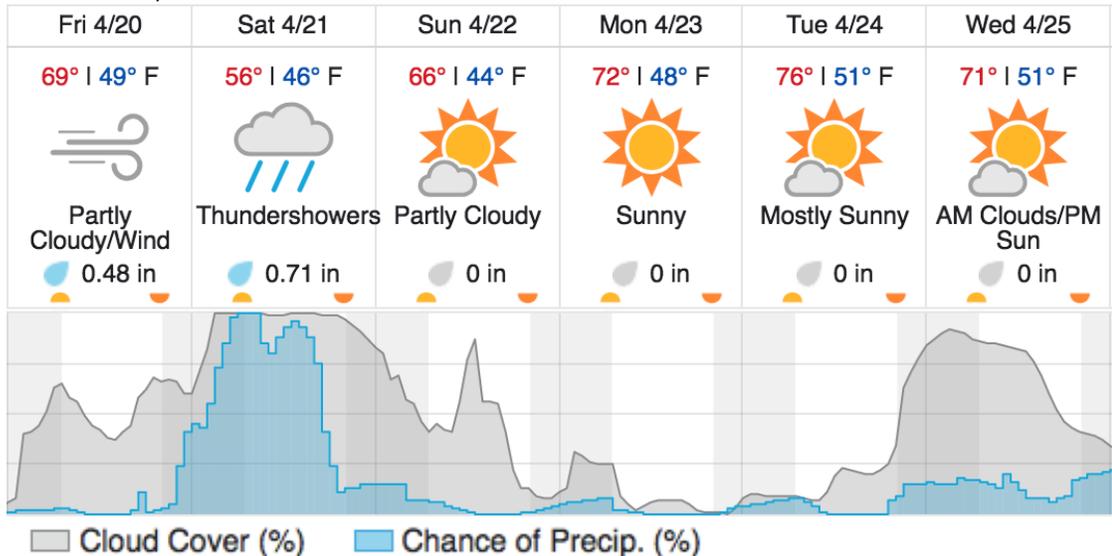
OAES

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: 100% (36/36)
 Green: 78% (28/36)
 Yellow: 0% (0/36)
 Red: 25% (9/36)

Weather Forecast

Wichita Falls, TX



Flight Collection Plan for 20 April 2018

Flyority 1:

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

Flight Plan Name: D11_CLBJ_C1_P1_v3_Q780

On Station: 1030 L / 1530 UTC

Flyority 2:

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

Flight Plan Name: D11_OAES_R1_P1_v3_Q780

Lines: If Green, re-fly lines 29-36

On Station: 1050 L / 1530 UTC

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

Flight Collection Plan for 21 April 2018

Flyority 1:

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

Flight Plan Name: D11_CLBJ_C1_P1_v3_Q780

On Station: 1020 L / 1520 UTC

Flyority 2:

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

Flight Plan Name: D11_OAES_R1_P1_v3_Q780

Lines: If Green, re-fly lines 29-36

On Station: 1050 L / 1530 UTC

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

New Issues

Fault: HotelKit	Open Date: 4/19/2018
Hotel Kit crashed and automatically restarted approximately 30 seconds after data extraction was initiated. Error message that came up momentarily: "PC had an error and needs to restart..."	

On-Going Issues

Fault: Database	Ticket: INC0013090	Open Date: 4/2/2018
20180402 Database crash during flight. Sometimes to both operators simultaneously, but also to both NIS and Lidar operator individually. This has been a re-occurring issue, but is only being added now.		
20180404 Database no longer crashes when minimizing and maximizing.		
20180410 Database experienced same network connection issues and crashed several times during both flights. Lidar Crystal Computer VNC was open on the DCC for training purposes.		
20180418 Database crashed in-flight, 2 times on NIS DCC computer and 3 times on Lidar Crystal computer.		
20180419 Database crashed on Lidar Crystal computer once on the ground during system startup and once in-flight on the NIS DCC computer. Andrew is investigating whether this is due to a networking issue.		