



April 20, 2019 Payload 3 Daily Flight Report



Date: 2019-04-20

Flight Campaign ID: 2019_P3C1

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

Domain: 00, 11

Sites Flown: CLBJ (LBJ National Grassland), TRAIN (Training)

Days left in Domain: 12

Report Author: Ivana Vu

Flight Crew: Elissa Barris, Robb Walker, Ivana Vu

Ground/GPS: Robb Walker

Pilots: Chad Evans, Mark Solper

Additional Personnel: None

GPS Instruments: 03 - FBO_KSPS, TXDOT-TXDC

Flight Hours: 03:51, 02:02

Hours until maintenance: 97.37

Summary

Completely clear skies and calm winds allowed for a full day of data collection – CLBJ was collected in its entirety under “green” cloud conditions.

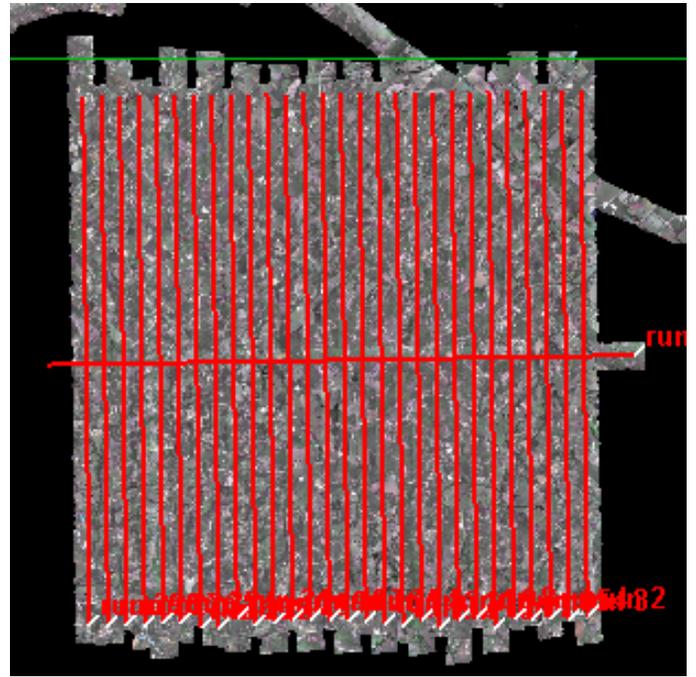
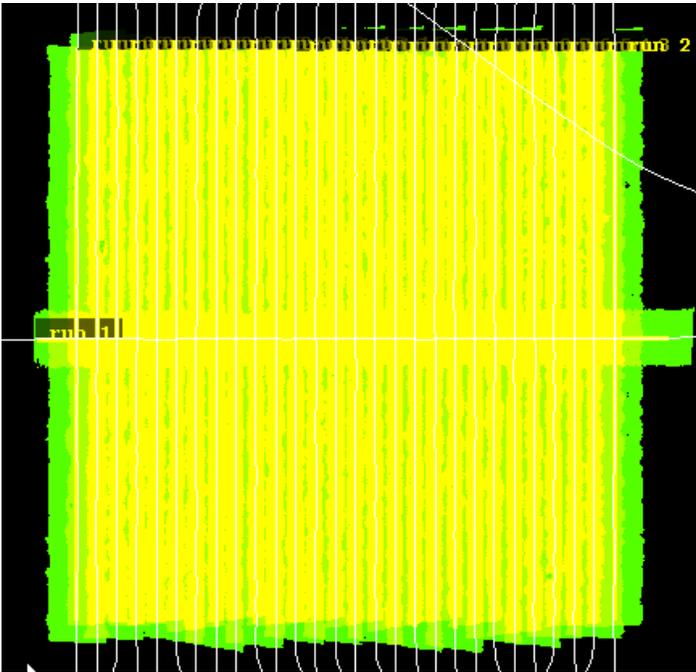
Concerns

- FBO GPU malfunctioned again during sensor startup but resetting the contact resolved the issue this time. FBO staff are waiting on a mechanic to troubleshoot the issue and will look for a backup GPU to have on standby.
- Hotel Kit pony express drive bay 00 (left side) is not reading any disks. Andrew will ship the spare Hotel Kit to D11 on Monday, and in the meantime, we will manually copy data to a 2nd pony express RAID before shipping them.
- FBO experienced a brief power outage this evening which switched the system to UPS power for less than 1 minute.

Comments

Elissa completed Riegl operational training flights

Flight Screenshots



Pictures

NEON tower at CLBJ



Daily Coverage

D11 CLBJ	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							

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: 100% (29/29)
 Green: 100% (29/29)
 Yellow: 0% (0/29)
 Red: 0% (0/29)

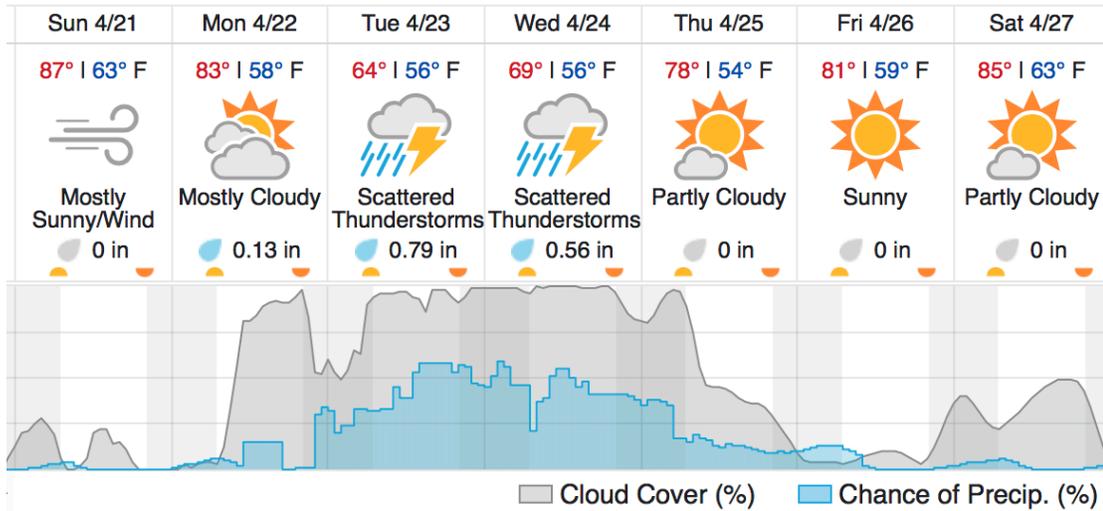
OAES

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				

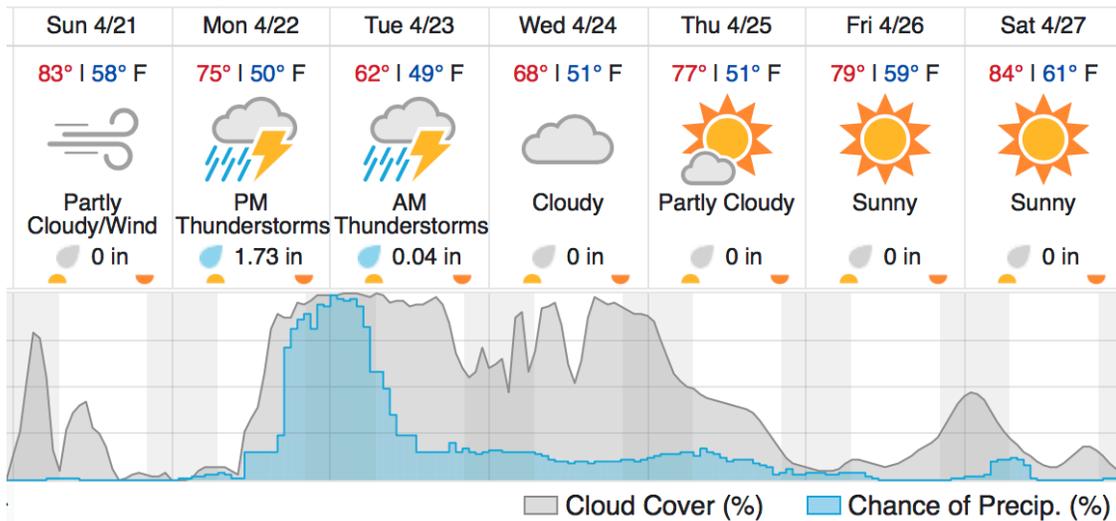
Flown: 0% (0/36)
 Green: 0% (0/36)
 Yellow: 0% (0/36)
 Red: 0% (0/36)

Weather Forecast

Wichita Falls, TX (FBO)



Clinton, OK (OAES)



Flight Collection for Plan for 21 April 2019

Flyority 1

Collection Area: Klemme Range Research Station (OAES)

Flight Plan Name: D11_OAES_R1_P1_v3_Q780

On-station Time: 1530 UTC / 1030 L

Crew: Elissa Barris, Ivana Vu, Robb Walker

Flight Collection for Plan for 22 April 2019

Same as previous day