



Payload 1 Daily Flight Report

Date: 2024-05-19

Flight Campaign ID: P1C1

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

Aircraft: N615AR

Domain: 11 (Southern Plains)

Sites Flown: PRIN (Pringle Creek)

Days left in Domain: 11

Report Author: Abe

Lidar Operators: Abe

Spectrometer Operators: John

Pilots: Manning, Vince

Flight Hours: 03:20

Hours until maintenance: 95.52

GPS Instruments: 05 - FBO-KSPS, TXDOT-TXDC

Summary

The crew took off this morning with the intent of collecting only spectrometer data at the CLBJ site on the lines that had been previously corrupted. Unfortunately, the sky condition was not green when we arrived on site so focus was shifted to the Pringle Creek site. 19 lines were collected in green conditions until the framegrabber error reached out and grabbed us. After multiple attempts the NIS system was unable to be restarted so the crew called it a day.

Concerns

-The Framegrabber, HIS timestamp, and OBC errors continue to plague P1. Tomorrows flight will focus on collecting NIS data only without the firing of the Lidar to see if this has any effect on the problems.

Comments

Pilot Jeff departed yesterday and was replaced by Manning. See you soon Jeff!

Daily Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

D11|PRIN

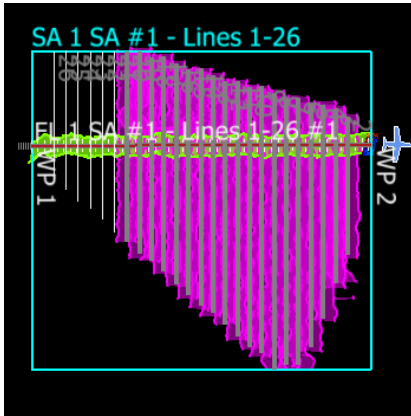
Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																			

Total number of lines flown: 19

Flight Screenshots

Lidar

NIS screenshot unavailable



Cumulative Domain Coverage

D11 | BLUE (Blue River aquatic site)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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Flown: 0% (0/15)
 Green: 0% (0/15)
 Yellow: 0% (0/15)
 Red: 0% (0/15)

D11 | CLBJ (LBJ National Grassland)

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: 38% (11/29)
 Green: 38% (11/29)
 Yellow: 0% (0/29)
 Red: 0% (0/29)

D11 | OAES (Klemme Range Research Station)

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)

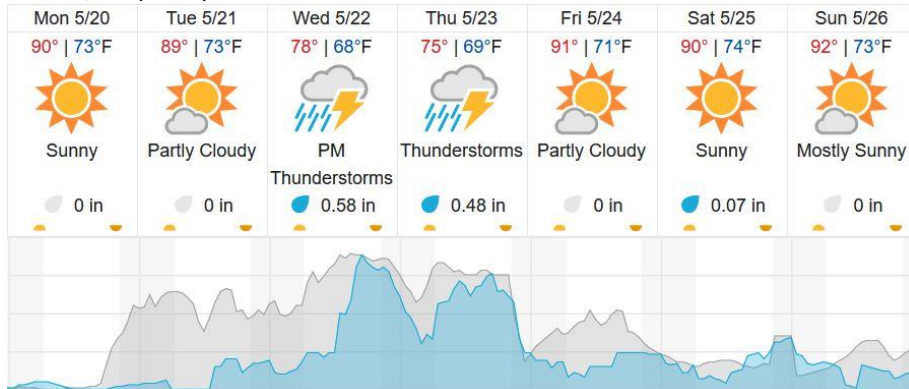
D11 | PRIN (Pringle Creek)

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														

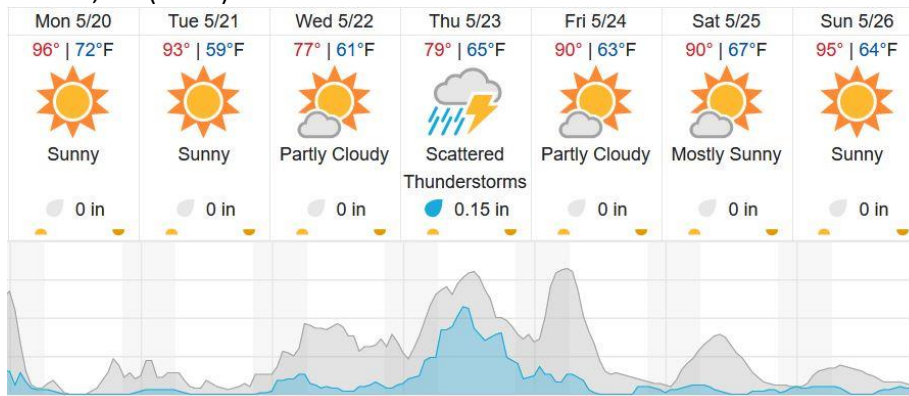
Flown: 73% (19/26)
 Green: 73% (19/26)
 Yellow: 0% (0/26)
 Red: 0% (0/26)

Weather Forecast

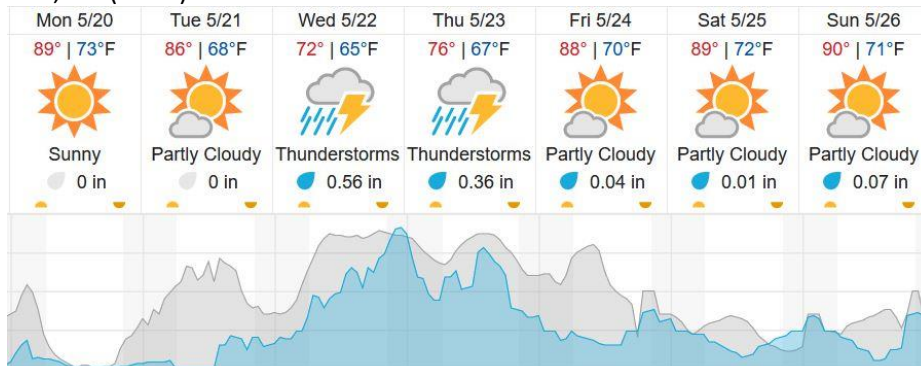
Alvord, TX (PRIN)



Clinton, OK (OAES)



Ada, OK (BLUE)



Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 20 May 2024

Flyority 1

Collection Area: LBJ Grasslands (CLBJ)

Flight Plan Name: D11_CLBJ_C1_P1_v4_PRM.xml

On-Station Time: (40 degrees): 1500-2200Z

Flyority 2

Collection Area: Klemme Range Research Station (OAES)

Flight Plan Name: D11_OAES_R1_P1_v4_PRM.xml

On-Station Time: (35 degrees): 1440-2230Z

Flyority 3

Collection Area: Blue River (BLUE)

Flight Plan Name: D11_BLUE_A2_P1_V4_PRM.xml

On-Station Time: (40 degrees): 1500-2200Z

Flyority 4

Collection Area: Pringle Creek (PRIN)

Flight Plan Name: D11_PRIN_A1_P1_v5_PRM.xml

On-Station Time: (40 degrees): 1450-21500Z

Flight Crew: John (Lidar), Abe (NIS)