



## Payload 2 Daily Flight Report

**Date:** 2025-06-02

**Flight Campaign ID:** P2C1

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

**Aircraft:** N615AR

**Domain:** 11 (Southern Plains)

**Sites Flown:** BLUE (Blue River aquatic site)

**Days left in Domain:** 2

**Report Author:** Cameron

**Lidar Operators:** Cameron

**Flight Hours:** 01:41

**Spectrometer Operators:** John

**Hours until maintenance:** 85.65

**Pilots:** Vince, Jacob

**GPS Instruments:** 07 - BLUE, TDOT-TXWF

### Summary

An attempt was made to conduct initial data collection at the Blue River aquatic site. However, after a mostly clear to hazy transit, a layer of stratus clouds directly above the site and below flight altitude was noted, precluding the collection of any useful data.

### Concerns

- Some data SSD don't show up in the Acquisition computer, more troubleshooting is necessary to determine the issue.
- The POS data is saving in an unexpected location; the science team is aware and are working on a solution.

### Comments

- None

### Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

D11|BLUE

Line #	1
Lidar	✓
Spectrometer	
Camera	✓
Cloud Cover	

Total number of lines flown: 1

Pictures



**Top:** In transit approximately 8NM from BLUE

**Bottom:** Directly over BLUE



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)

\* Flown within 35deg solar angle

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: 100% (29/29)

Green: 52% (15/29)

Yellow: 38% (11/29)  
 Red: 10% (3/29)  
 \* Flown within 35deg solar angle

#### 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: 100% (36/36)  
 Green: 100% (36/36)  
 Yellow: 0% (0/36)  
 Red: 0% (0/36)  
 \* Flown within 35deg solar angle

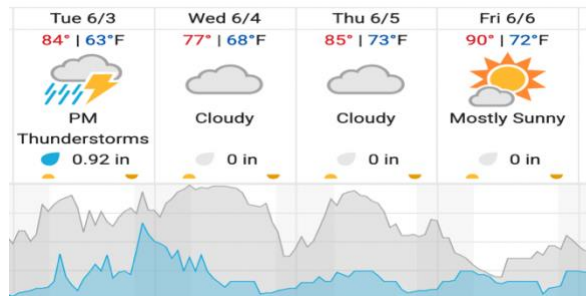
#### D11|PRIN (Pringle Creek )

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*														

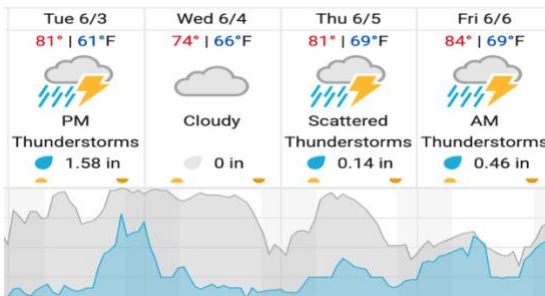
Flown: 100% (26/26)  
 Green: 0% (0/26)  
 Yellow: 100% (26/26)  
 Red: 0% (0/26)  
 \* Flown within 35deg solar angle

#### Weather Forecast

Alvord, TX (CLBJ, PRIN)



Ada, OK (BLUE)



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

#### Flight Collection Plan for June 03, 2025

##### Flyority 1

Collection Area: LBJ Grasslands (CLBJ) *Lines 1-14 if green*  
 Flight Plan Name: D11\_CLBJ\_C1\_P1\_v6\_VQ780  
 On-Station Time: (40 degrees): 1450 UTC / 0950 L

##### Flyority 2

Collection Area: Pringle Creek (PRIN)  
 Flight Plan Name: D11\_PRIN\_A1\_P1\_v7\_VQ780  
 On-Station Time: (40 degrees): 1450 UTC / 0950 L

##### Flyority 3

Collection Area: Blue River (BLUE)  
 Flight Plan Name: D11\_BLUE\_A2\_P1\_v6\_VQ780  
 On-Station Time: (40 degrees): 1450 UTC / 0950 L

**Crew:** John (Lidar), Cam (NIS)