



## Payload 2 Daily Flight Report



**Date:** 2025-05-23

**Flight Campaign ID:** P2C1

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

**Aircraft:** N615AR

**Domain:** 11 (Southern Plains)

**Sites Flown:** None

**Days left in Domain:** 12

**Report Author:** Cameron

**Lidar Operators:** Cameron

**Flight Hours:** 00:00

**Spectrometer Operators:** Alyssa

**Hours until maintenance:** 100.98

**Pilots:** Vince, Tim

**Ground Crew:** John

### Summary

The new GPU adapter arrived early this morning. Coincidentally, the FBO's electrician also arrived this morning and installed a new outlet. This new direct connection eliminates the need for our Hubble adapter, thereby freeing the Hubble port for their inverter. The payload was subsequently pumped down and cooled and will likely be ready for flights tomorrow morning. Early morning fog and dense haze would have likely grounded the aircraft today.

### Concerns

- The Sherpa power bank is currently overheating and failing to stay charged. Telem 2 will likely not be accessible remotely until new power bank arrives by COB Monday.

### Comments

- New Power Bank will be shipped to D11.
- Hangar door fixed.
- HK2 Setup & RAID 03 formatted.
- Hg Lamp test extracted.

### Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

Pictures

An impressive display of Mammatus clouds was observed over Wichita Falls last night!



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: 0% (0/29)  
Green: 0% (0/29)  
Yellow: 0% (0/29)  
Red: 0% (0/29)  
\* 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: 0% (0/36)  
Green: 0% (0/36)  
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: 0% (0/26)

Green: 0% (0/26)

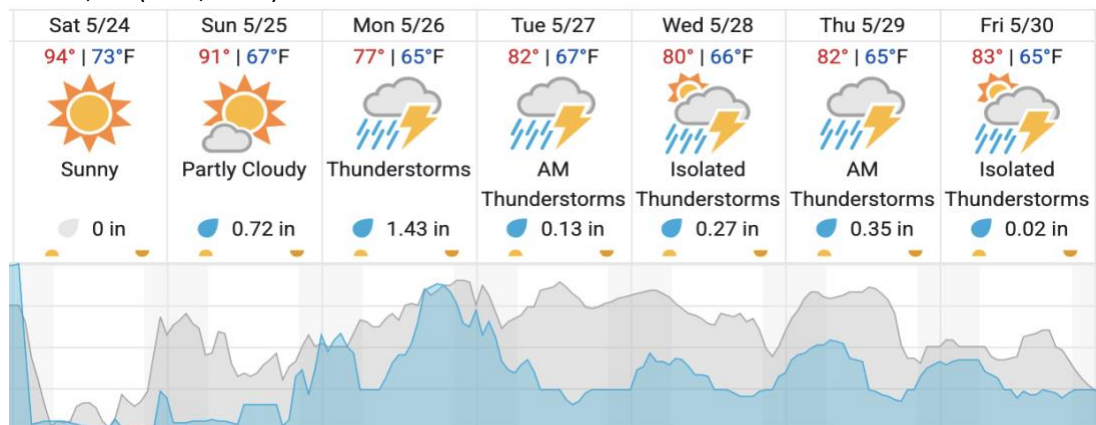
Yellow: 0% (0/26)

Red: 0% (0/26)

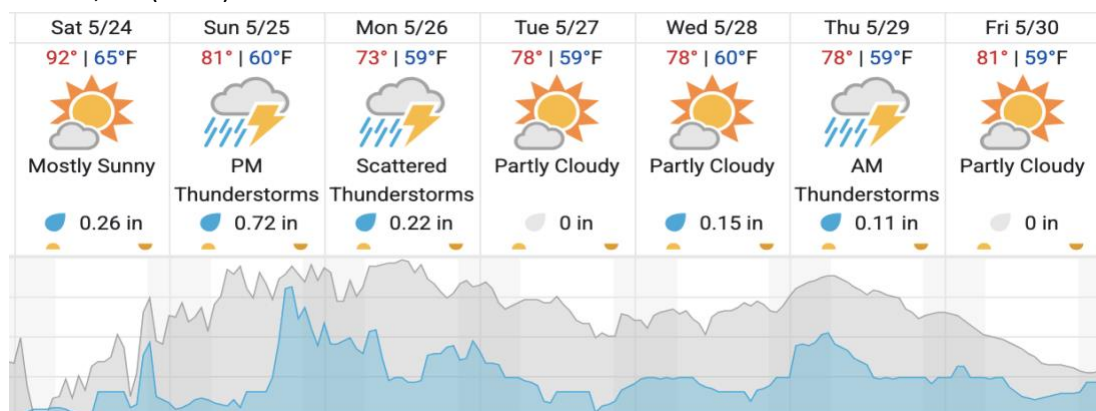
\* Flown within 35deg solar angle

## Weather Forecast

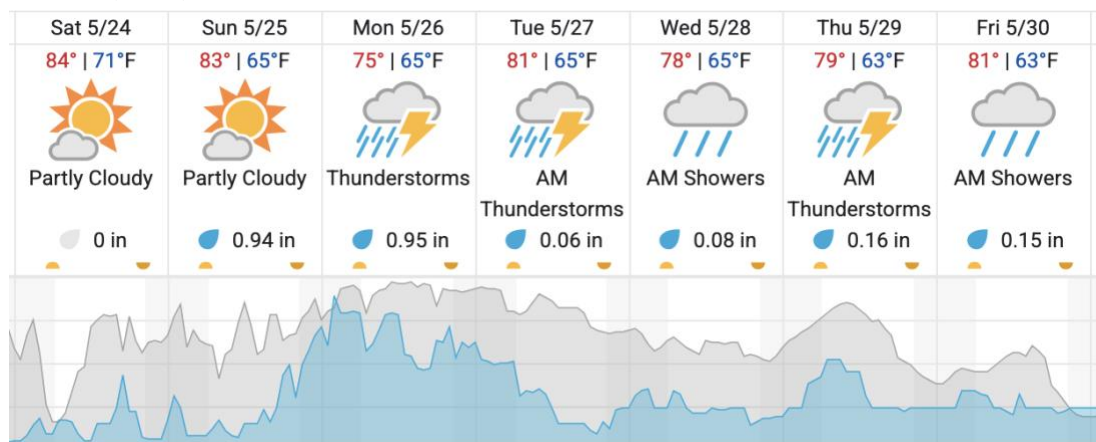
### Alvord, TX (CLBJ, PRIN)



### Clinton, OK (OAES)



### Ada, OK (BLUE)



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

## **Flight Collection Plan for May 24, 2025**

### **Flyority 1**

Collection Area: LBJ Grasslands (CLBJ)

Flight Plan Name: D11\_CLBJ\_C1\_P1\_v6\_VQ780

On-Station Time: (40 degrees): 1450 UTC / 0950 L

### **Flyority 2**

Collection Area: Klemme Range Research Station (OAES)

Flight Plan Name: D11\_OAES\_R1\_P1\_v7\_VQ780

On-Station Time: (35 degrees): 1430 UTC / 0930 L

### **Flyority 3**

Collection Area: Pringle Creek (PRIN)

Flight Plan Name: D11\_PRIN\_A1\_P1\_v7\_VQ780

On-Station Time: (40 degrees): 1450 UTC / 0950 L

### **Flyority 4**

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**) Alyssa (**Lidar/Training**)