



## Payload 3 Daily Flight Report



**Date:** 2023-05-08

**Flight Campaign ID:** P3C1

**Airport, FBO ID, City:** Wichita Falls Municipal Airport (KSPS) - Wichita Falls, TX, Weatherford Stafford Airport (KOJA) - Weatherford, OK

**Aircraft:** N934MU

**Domain:** 11 (Southern Plains)

**Sites Flown:** OAES (Klemme Range Research Station )

**Days left in Domain:** 12

**Report Author:** Abe

**Lidar Operators:** Abe

**Spectrometer Operators:** Matt

**Pilots:** Paul, Vince

**Flight Hours:** 03:32:00, 02:49:00, 00:51:00

**Hours until maintenance:** 77.60

**GPS Instruments:** 02 - KSPS, AOP\_OAES

### Summary

The forecast of a clear day at the OAES site did not disappoint. With completely clear skies and some haze around, the crew collected the entire site in "green" sky conditions. 35 lines and a cross strip were collected. Two fuel stops were necessary to complete the mission that included a 40 minute transit each way to the site from Wichita Falls. During the second fuel stop, after all lines were completed, the crew came across a group of about 15 local high school students in an aviation program at the FBO. An impromptu tour of the Otter was conducted for the students and teachers on the ramp while the plane was being refueled. It was a good end to a very long day.

### Concerns

-The replacement air conditioner did not arrive today, but it looks to be arriving tomorrow morning. Just in time for the cool down and rain...

### Comments

-Pilot Shane arrived today and will replace Vince tomorrow or Wednesday.

### Pictures



Weatherford Schools Aviation program touring the Otter at the Weatherford airport. Pic by Abe

## Daily Coverage

### Estimated Cloud Cover Key

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

### D11|OAES

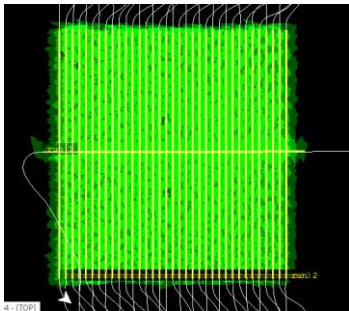
Line #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Lidar		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																

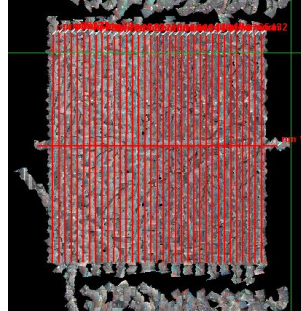
Total number of lines flown: 36

## Flight Screenshots

Lidar



NIS



## 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: 0% (0/29)

Green: 0% (0/29)

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: 100% (36/36)  
 Green: 100% (36/36)  
 Yellow: 0% (0/36)  
 Red: 0% (0/36)

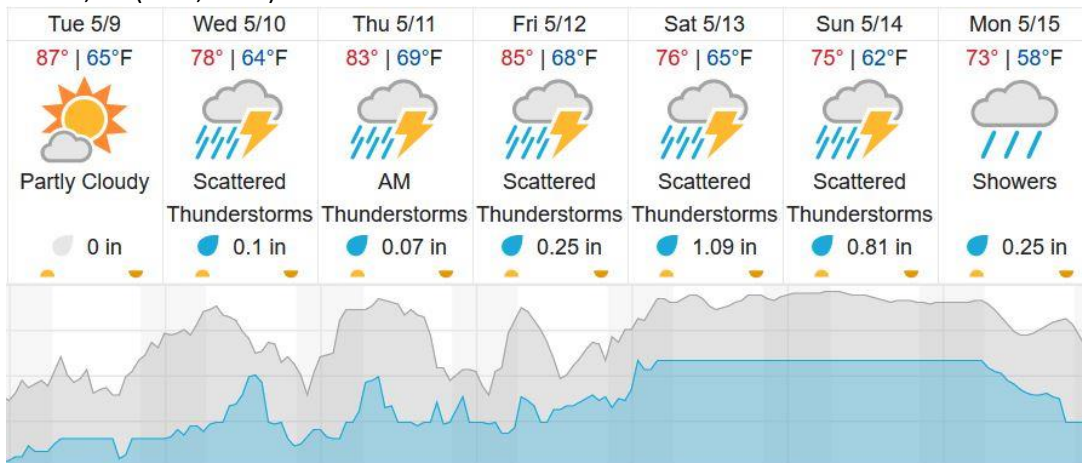
D11 | PRIN (Pringle Creek )

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														

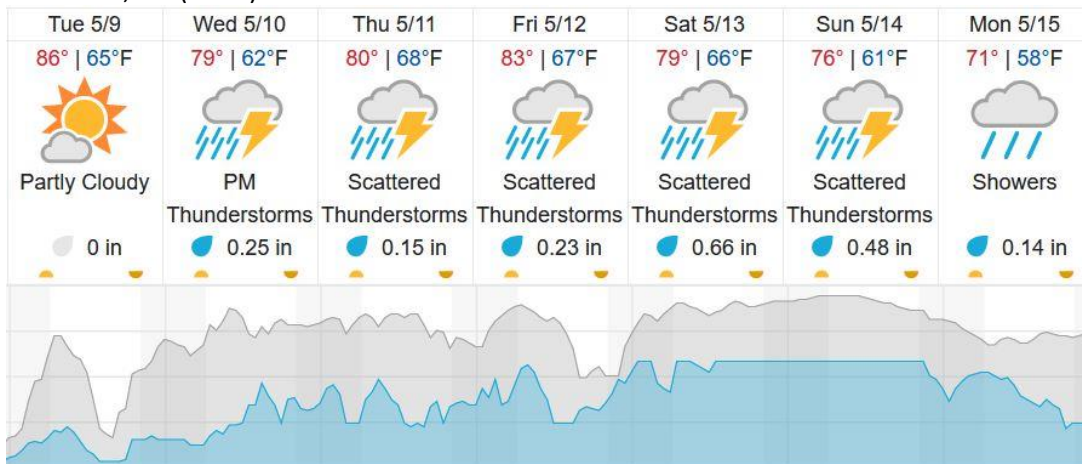
Flown: 0% (0/26)  
 Green: 0% (0/26)  
 Yellow: 0% (0/26)  
 Red: 0% (0/26)

**Weather Forecast**

Alvord, TX (CLBJ, PRIN)



Stonewall, OK (BLUE)



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

## **Flight Collection Plan for May 9, 2023**

### **Flyority 1**

Collection Area: LBJ Grasslands (CLBJ)

Flight Plan Name: D11\_CLBJ\_C1\_P1\_v3\_Q780

On-Station Time: 15:00 UTC/ 10:00 L

### **Flyority 2**

Collection Area: Pringle Creek (PRIN)

Flight Plan Name: D11\_PRIN\_A1\_P1\_v4\_Q780

On-Station Time: 15:00 UTC/ 10:00 L

### **Flyority 3**

Collection Area: Blue River (BLUE)

Flight Plan Name: D11\_BLUE\_A2\_P1\_v3\_Q780

On-Station Time: 15:00 UTC/ 10:00 L

Crew: Matt (lidar), Abe (NIS)