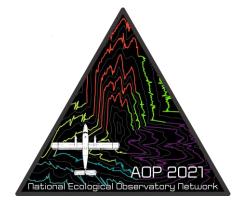


Payload 3 Daily Flight Report



Date: 2021-06-22

Flight Campaign ID: P3C1

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

Aircraft: N615AR

Domain: 11 (Southern Plains)

Sites Flown: OAES (Klemme Range Research Station)

Days left in Domain: 8

Report Author: Abe Morrison

Lidar Operators: Abe Morrison **Flight Hours**: 00:47:00, 02:13:00, 02:57:00

Spectrometer Operators: Elissa Barris Hours until maintenance: 67.97

Pilots: Will Mathews, Stephen Brawders GPS Instruments: 04 - FBO_KSPS, AOP_OAES

Summary

Today's forecast called for clear skies and cooler temps. The skies today unfortunately yielded very high very thin cirrus clouds that covered most of the sky. The decision was made to collect the OAES site under "red" sky conditions due to the forecast for the rest of our stay in D11 being unfavorable for that site. 27 lines were collected.

Concerns

-Heat continues to be a concern, although today was much cooler. An additional air cond unit arrived here today and will be used as the temps rise back up again in the next couple of days.

Comments

-The vac pump was shipped to Fairbanks AK today and should arrive in a couple of days.

Daily Coverage

Estimated Cloud Cover Key

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

D11 OAES

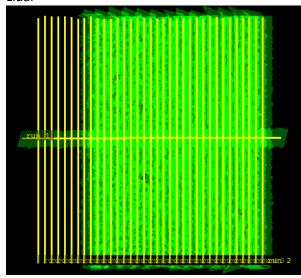
Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Lidar	✓	√	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	√	✓	✓	✓	✓	✓	√	✓	✓	√	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	√	√	√	√	√	√	✓	√	✓	✓	√	√	✓	✓	✓	✓	√	✓	√	✓
Cloud Cover																				

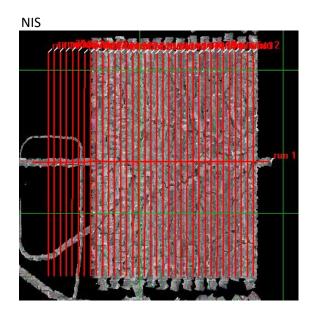
Line #	22	23	24	25	26	27	28
Lidar	✓	✓	✓	✓	✓	✓	✓
Spectrometer	√						
Camera	√	✓	✓	✓	✓	✓	✓
Cloud Cover							

Total number of lines flown: 27

Flight Screenshots

Lidar





Cumulative Domain Coverage

D11|BLUE (Blue River aquatic site)

1 2 3 4 5 6 7 8 9 10 11 12 13 1	15
---------------------------------	----

Flown: 0% (0/15) Green: 0% (0/15) Yellow: 0% (0/15) Red: 0% (0/15)

D11 | CLBJ (LBJ National Grassland)

		1																	
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: 69% (20/29) Green: 69% (20/29) 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				

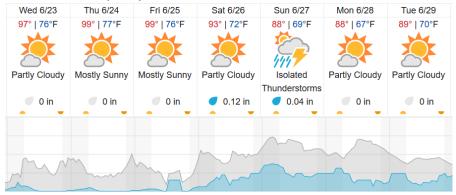
Flown: 78% (28/36) Green: 0% (0/36) Yellow: 0% (0/36) Red: 78% (28/36) D11 | PRIN (Pringle Creek)

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														

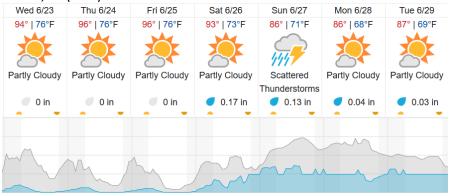
Flown: 0% (0/26) Green: 0% (0/26) Yellow: 0% (0/26) Red: 0% (0/26)

Weather Forecast

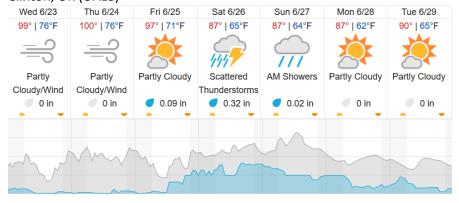
Wichita Falls, TX (KSPS)



Alvord, TX (CLBJ)



Clinton, OK (OAES)



Cloud Cover (%) Chance of Precip. (%)

source: wunderground.com

Flight Collection Plan for 23 June 2021

Flyority 1

Collection Area: LBJ Grasslands (CLBJ)

Flight Plan Name: D11_CLBJ_C1_P1_ v3_Q780

On-station Time: 14:50 UTC / 09:50 L

Flyority 2

Collection Area: Klemme Range Research Station (OAES)

Flight Plan Name: D11_OAES_R1_P1_v3_Q780

On-station Time: 14:30 UTC / 09:30 L

Flyority 3

Collection Area: Pringle Creek (PRIN)

Flight Plan Name: D11_PRIN_A1_P1_ v4_Q780

On-station Time: 14:50 UTC / 09:50 L

Flyority 3

Collection Area: Blue River (BLUE)

Flight Plan Name: D11_BLUE_A2_P1_ v3_Q780

On-station Time: 14:50 UTC / 09:50 L

Crew: Abe, Elissa