



Payload 3 Daily Flight Report



Date: 2023-05-05

Flight Campaign ID: P3C1

Airport, FBO ID, City: Salt Lake City International Airport (KSLC) - Salt Lake City, UT, Four Corners Regional Airport (KFMN) - Farmington, NM

Aircraft: N934MU

Domain: 11 (Southern Plains)

Sites Flown: Transit to D11

Days left in Domain: 15

Report Author: Abe

Lidar Operators: Abe **Flight Hours:** 02:23:00, 03:08:00

Spectrometer Operators: **Hours until maintenance:** 84.80

Pilots: Will, Vince

Ground Crew: Matt

Summary

The crew left Salt Lake City early this morning trying to beat some weather as they transited to D11. One fuel stop was made in Farmington NM and the otter was able to make it the rest of the way to Wichita Falls TX.

Concerns

- The air conditioner that cools the interior of the cabin on the ground that was found to have oil leaking from it yesterday is nonfunctional today. A replacement was ordered and will arrive in a couple of days. The crew will keep a close eye on the temps inside the plane in the interim.
- The pilots have noted a discrepancy in the fuel quantity of the 2 main tanks from the fuel quantity gauges to the levels when manually using a dip stick on the tanks. This does not seem to pose a safety risk at this time, but it does impact the calculations of how long the plane can stay in the air on a flight. The pilots will be coordinating with TOIL for some guidance.

Comments

- Mike departed the crew in Salt Lake City and Matt joined in Wichita Falls.
- Pilot Will Departs the crew this evening and has been replaced by Paul.

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				

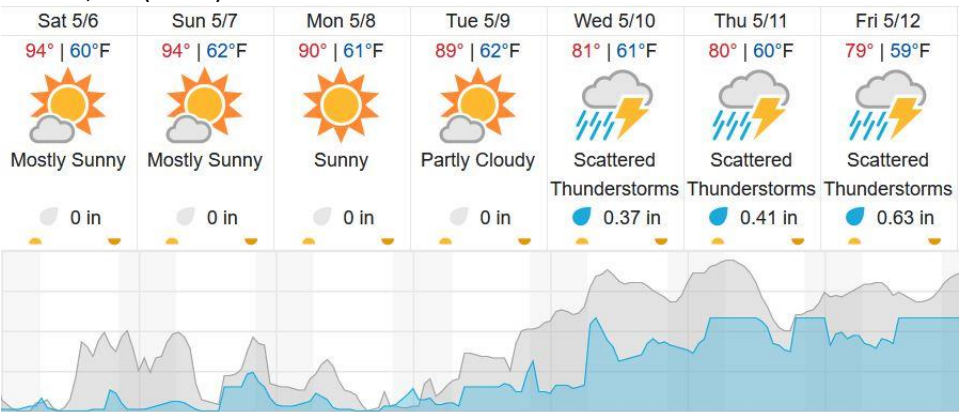
Flown: 0% (0/36)
Green: 0% (0/36)
Yellow: 0% (0/36)
Red: 0% (0/36)

D11|PRIN (Pringle Creek)

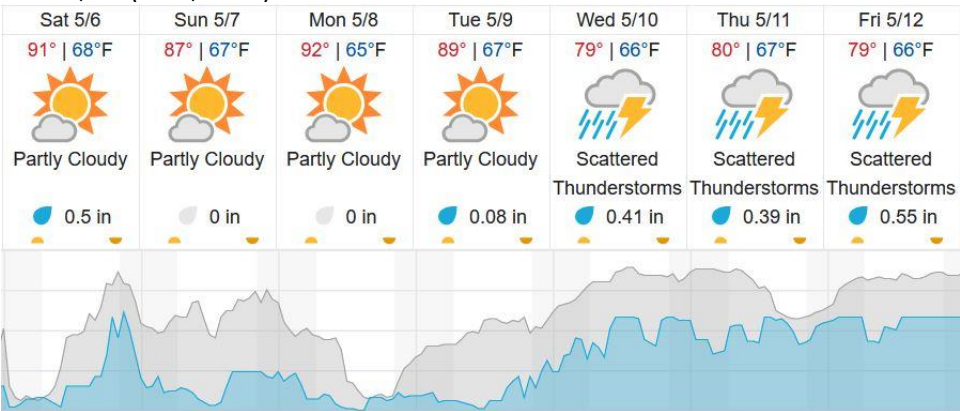
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21	22	23	24	25	26														

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Green: 0% (0/26)
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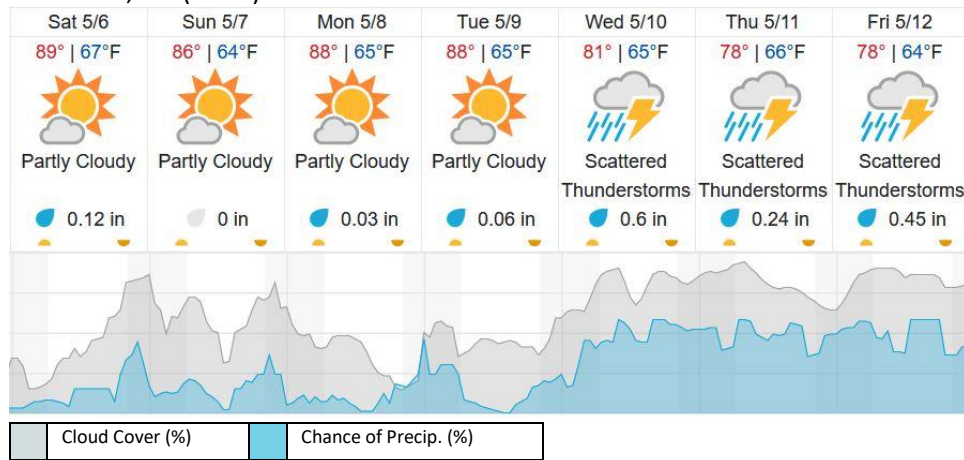
Weather Forecast
Clinton, OK (OAES)



Alvord, TX (CLBJ, PRIN)



Stonewall, OK (BLUE)



source: wunderground.com

Flight Collection Plan for May 6, 2023

Flyority 1

Collection Area: Klemme Range Research Station (OAES)

Flight Plan Name: D11_OAES_R1_P1_v3_Q780

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

Flyority 2

Collection Area: LBJ Grasslands (CLBJ)

Flight Plan Name: D11_CLBJ_C1_P1_v3_Q780

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

Flyority 3

Collection Area: Pringle Creek (PRIN)

Flight Plan Name: D11_PRIN_A1_P1_v4_Q780

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

Flyority 4

Collection Area: Blue River (BLUE)

Flight Plan Name: D11_BLUE_A2_P1_v3_Q780

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

Crew: Abe (lidar), Matt (NIS)