



Payload 3 Daily Flight Report



Date: 2024-08-15

Flight Campaign ID: P3C1

Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Aircraft: N821AR

Domain: 15 (Great Basin)

Sites Flown: Transit (KBDU->KSLC)

Days left in Domain: 1

Report Author: Mitch

Lidar Operators: Mitch

Flight Hours: 02:43

Spectrometer Operators: Nick **Hours until maintenance:** 93.72

Pilots: Vince, Manning

Ground Crew: Abe, Matt

Summary

Crew evaluated for a potential survey flight over ARIK this morning, however it was determined that a high thin cirrus layer would've prevented a potential green collect. Once ARIK flights were called off, the crew successfully relocated from Boulder to Salt Lake City in preparation for completing the NEON Research Support Services flight over the Northern Utah Cottonwood project tomorrow. The crew will plan on returning to Boulder tomorrow immediately following the completion of the CTWD collect.

Concerns

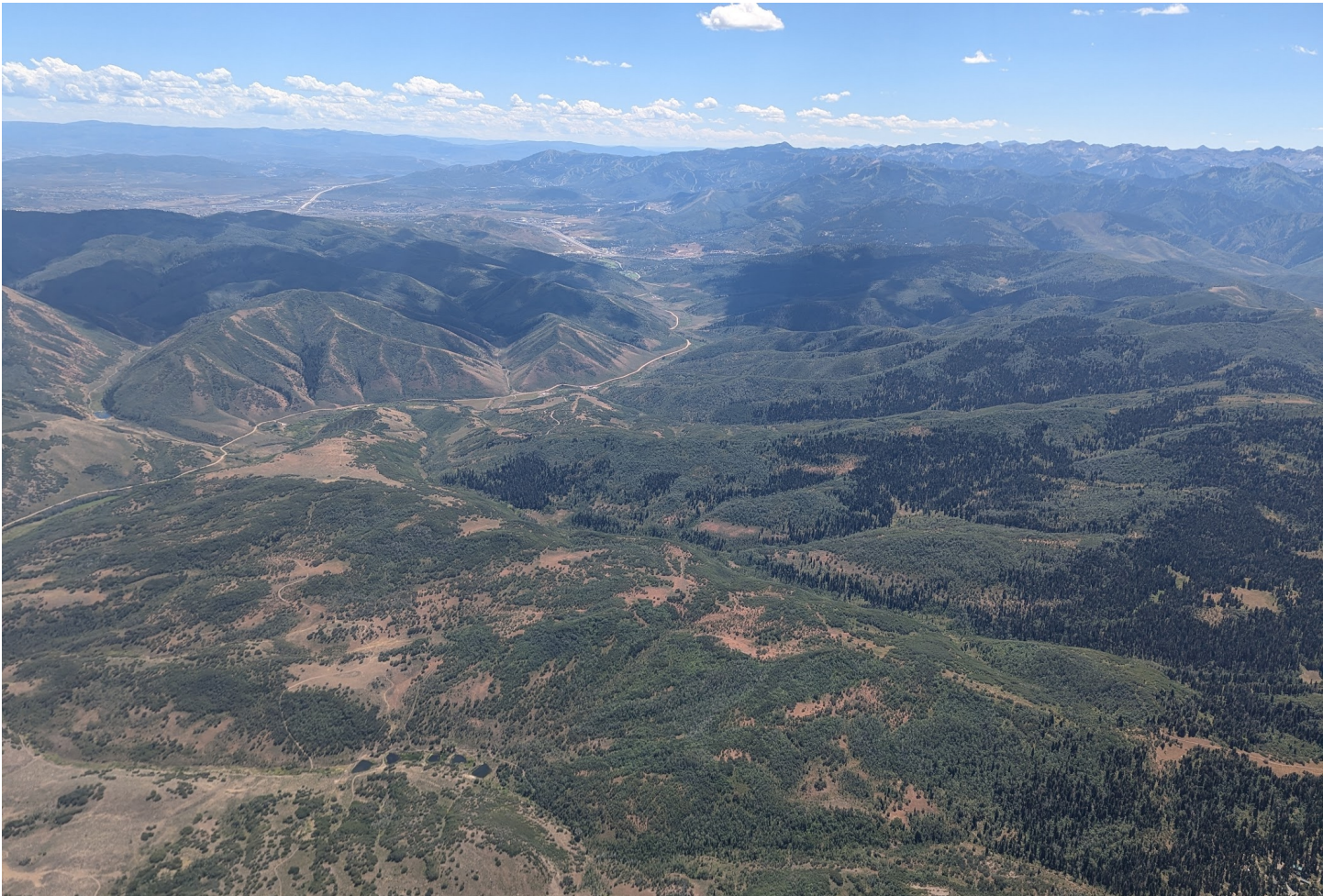
None

Comments

- While attempting to tow the Twin Otter into the hangar in Salt Lake, an incorrectly aligned tow strap broke a piece of the nose wheel steering. Twin Otter mechanics were able to quickly mobilize from nearby Grand Junction and fix the problem this evening, preventing any flight delays from occurring.
- The CTWD flight plans were loaded onto the Tracker software this morning. During the process, a corrupted file prevented the flight plan from being loaded into Tracker software. Big thanks to John M who was able to quickly export an uncorrupted flight plan that loaded properly.

Pictures: View of the red desert of Wyoming during today's transit to Salt Lake.





Above: Park City and Utah Olympic Park visible in the distance during the descent into KSLC.

Cumulative Domain Coverage

D15|CTWD_P1 (NEON Research Support Services - Northern Utah Cottonwood Priority 1)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22																		

Flown: 0% (0/22)
Green: 0% (0/22)
Yellow: 0% (0/22)
Red: 0% (0/22)

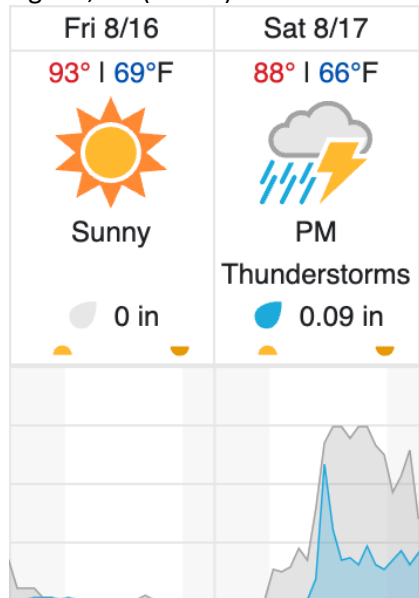
D15|CTWD_P2 (NEON Research Support Services - Northern Utah Cottonwood Priority 2)

23	24	25	26	27	28	29
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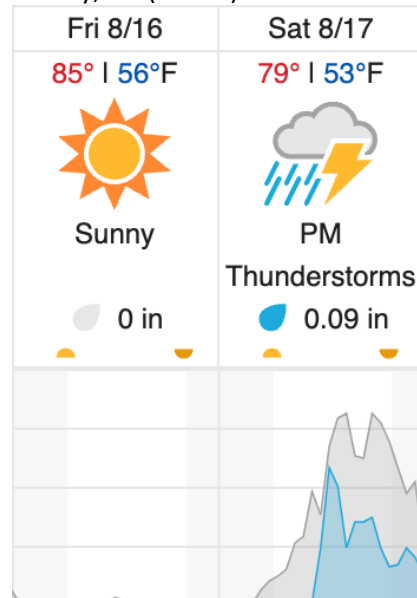
Flown: 0% (0/7)
Green: 0% (0/7)
Yellow: 0% (0/7)
Red: 0% (0/7)

Weather Forecast

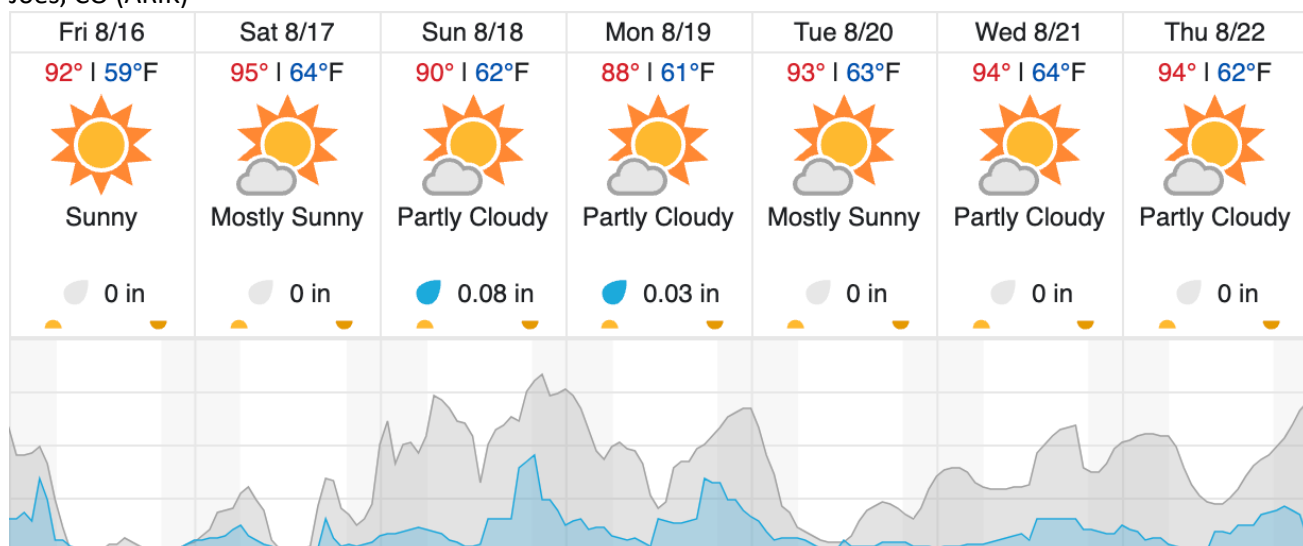
Ogden, UT (CTWD)



Oakley, UT (CTWD)



Joes, CO (ARIK)



source: wunderground.com

Flight Collection Plan for 15 August 2024

Flyority 1

Collection Area: Northern Utah Priority 1 Flight Plan

Flight Plan Name: D15_CTWD_S1_P1_v1

On-station Time: 1540 UTC / 0940 L

Flyority 2

Collection Area: Northern Utah Priority 2 Flight Plan

Flight Plan Name: D15_CTWD_S1_P2_v1

On-station Time: 1540 UTC / 0940 L

Crew: Mitch (Lidar), Nick (NIS)