



Payload 3 Daily Flight Report



Date: 2025-08-19

Flight Campaign ID: P3C1

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

Aircraft: N821AR

Domain: 10 (Central Plains)

Sites Flown: None

Days left in Domain: 8

Report Author: Matt

Lidar Operators: Matt

Flight Hours: 00:00

Spectrometer Operators: Alyssa

Hours until maintenance: 82.47

Pilots: Jeff, Troy

Summary

No flights were conducted due to NIS FPIE component problems. Troubleshooting continues with JPL's guidance.

Concerns

During startup on 8/18, the NIS displayed no waterfall or FPA image. Troubleshooting steps involving several restarts and the reseating of components were taken with the lab's guidance, but no data was coming through. Andrew and Brendan continued troubleshooting at the plane and discovered the FPGA card in the FPIE power supply is turning off seconds after power is applied.

Comments

None.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

Cumulative Domain Coverage

D10|ARIK (Arikaree River)

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							

Flown: 0% (0/33)

Green: 0% (0/33)

Yellow: 0% (0/33)

Red: 0% (0/33)

* Flown within 35deg solar angle

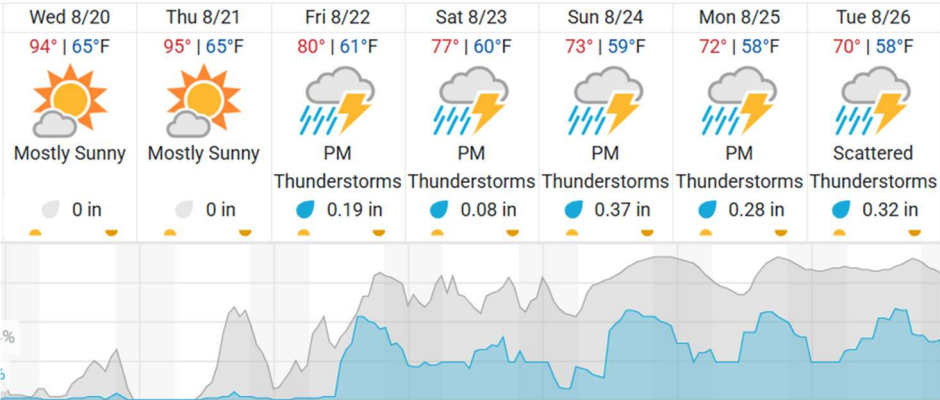
D10|RMNP (Rocky Mountain National Park)

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	37	38*	39*	40	

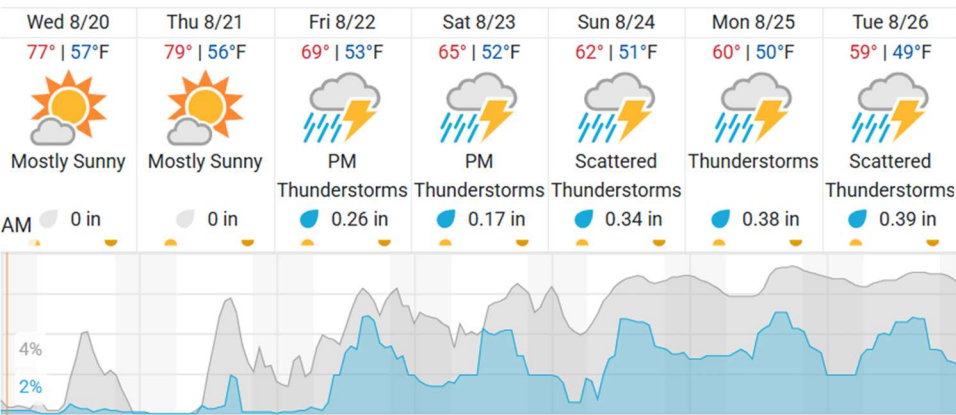
Flown: 38% (15/39)
Green: 0% (0/39)
Yellow: 38% (15/39)
Red: 0% (0/39)
* Flown within 35deg solar angle

Weather Forecast

Boulder, CO



Allanspark, CO



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

source: wunderground.com

Flight Collection Plan for 20 August 2025

Flyority 1
Collection Area: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10_RMNP_R2_P1_v5_Q780
On-Station Time: 1550 UTC / 0950 L

Crew: Alyssa (Lidar), Matt (NIS)