



Payload 3 Daily Flight Report



Date: 2025-08-18

Flight Campaign ID: P3C1

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

Aircraft: N821AR

Domain: 10 (Central Plains)

Sites Flown: RMNP (Rocky Mountain National Park)

Days left in Domain: 9

Report Author: Alyssa

Lidar Operators: Alyssa

Flight Hours: 00:00

Spectrometer Operators: Matt

Hours until maintenance: 82.47

Pilots: Jeff, Troy

GPS Instruments: AOP_KBDU, AOP_NIWO

Summary

NIS failure prevented any flights today.

Concerns

During startup of the NIS, No waterfall or FPA were observed. A framegrabber timeout error stated 'Waiting on first image frame' Only black screens were present. Troubleshooting steps involving several restarts and the reseating of components were taken with the labs guidance but not 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. NASA JPL is being consulted for the next steps.

Comments

Mitch rotated out to P2 today, thanks for your hard work!

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)

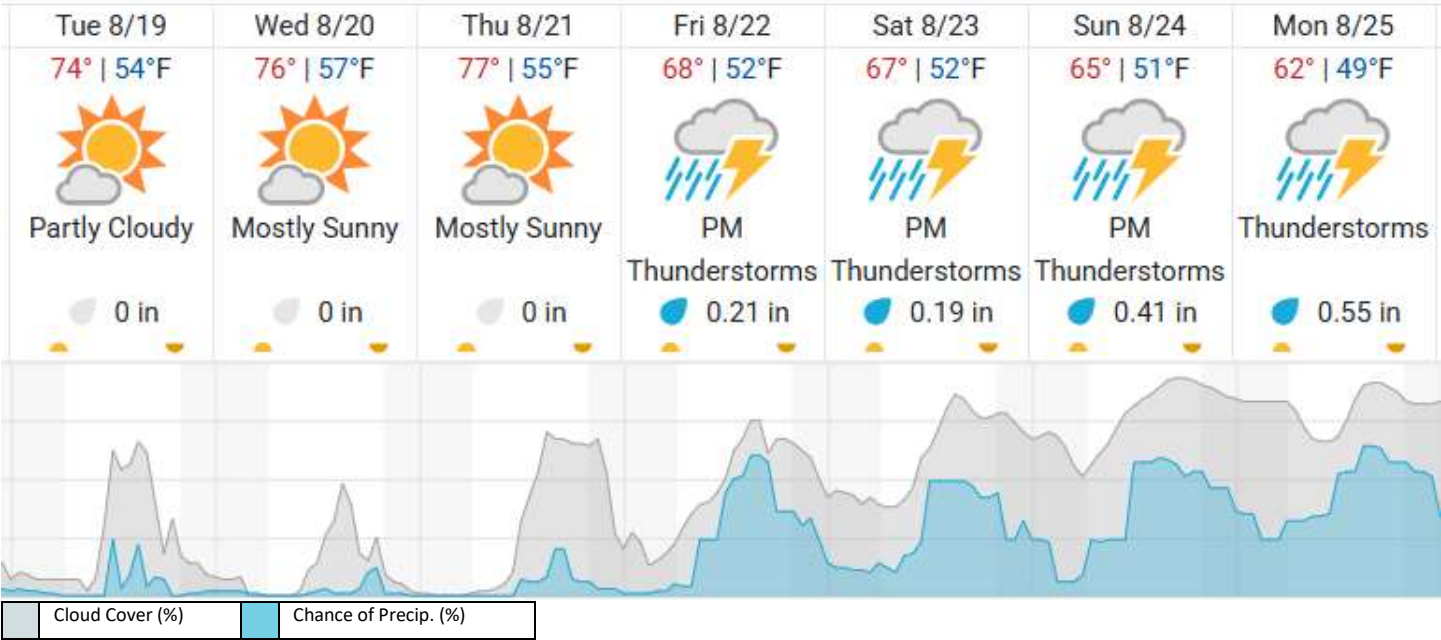
* Flown within 35deg solar angle

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
Allenspark, CO (RMNP)



source: wunderground.com

Flight Collection Plan for 19 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: Matt (Lidar), Alyssa (NIS)