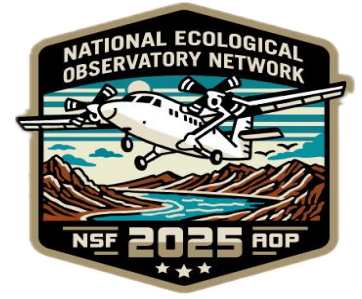




Payload 3 Daily Flight Report



Date: 2025-08-06

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: 20

Report Author: Elissa

Lidar Operators: Elissa

Flight Hours: 00:00

Spectrometer Operators: Matt **Hours until maintenance:** 85.78

Pilots: Rob, Mack

Summary

Although an improvement on yesterday's conditions, a layer of moderate haze derived from wildfire smoke persisted over RMNP today. Smoke plume models indicated even thicker smoke over ARIK. Between that and mid-day cumulus formation, flights were called off.

Concerns

A potential disk bay issue has presented in Hotel Kit 3. After multiple failed extractions on the MCRA flight from D16, Andrew had to rearrange the three Riegl data recorder disks in different bays. Another extraction attempt is now in progress and appears to be working.

Comments

None.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

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

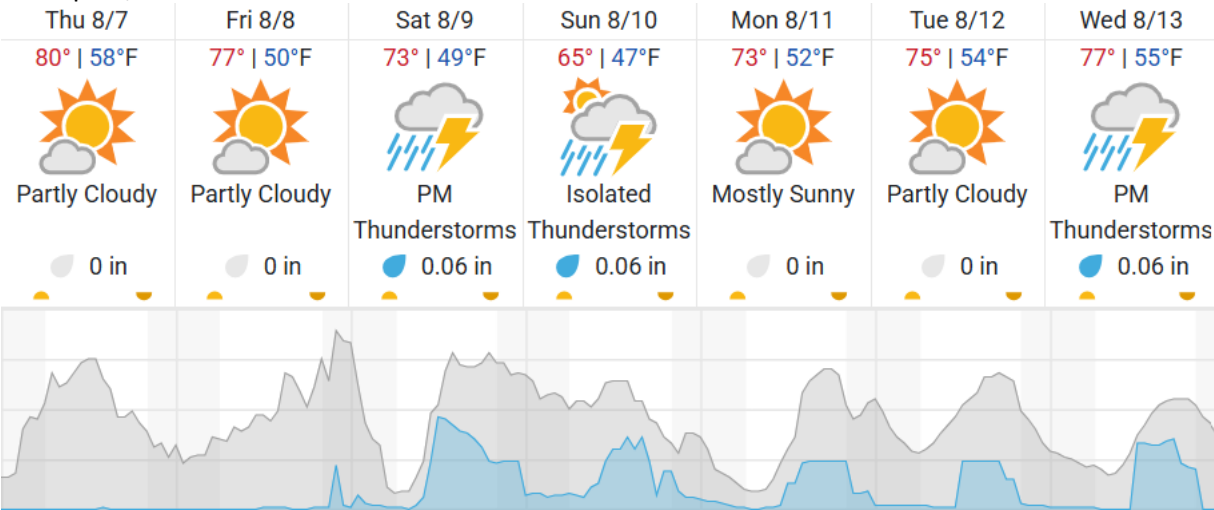
D10|RMNP (Rocky Mountain National Park)

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	

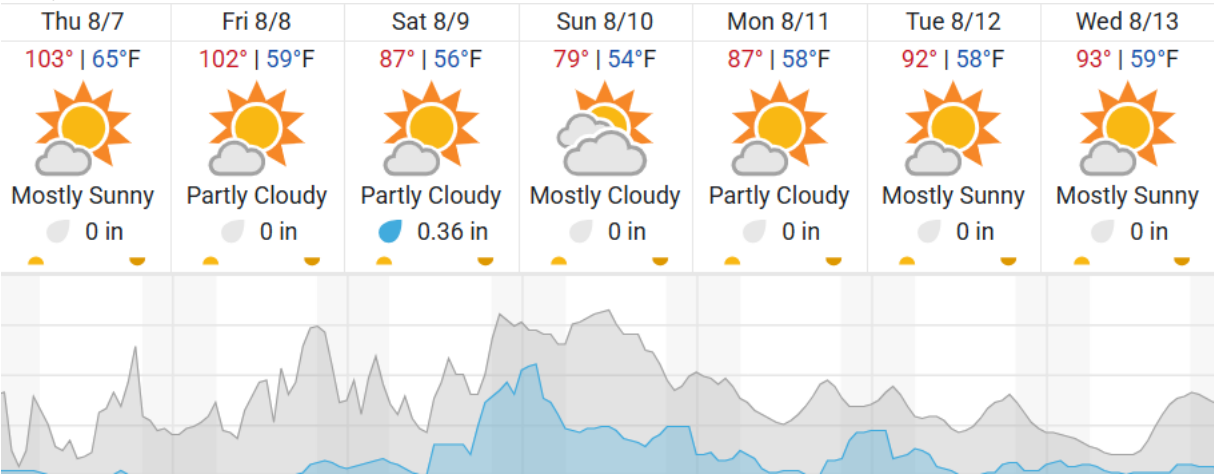
Flown: 0% (0/39)
Green: 0% (0/39)
Yellow: 0% (0/39)
Red: 0% (0/39)
* Flown within 35deg solar angle

Weather Forecast

Allenspark, CO



Joes, CO



Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 7 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

Flyority 2

Collection Area: Arikaree River (ARIK)

Flight Plan Name: D10_ARIK_A1_P2_v3_Q780

On-Station Time: 1550 UTC / 0950 L

Crew: Elissa (Lidar), Mitch (NIS), Matt (Ground)