



Payload 1 Daily Flight Report

Date: 2026-08-09

Flight Campaign ID: P1C1

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

Aircraft: N537AR

Domain: 10 (Central Plains), 13 (Southern Rockies & Colorado Plateau)

Sites Flown: None

Days left in Domain: 7

Report Author: Nick

Lidar Operators: Nick

Flight Hours: 00:00

Spectrometer Operators: Matt **Hours until maintenance:** 0.00

Pilots: Jonathan, Troy

Summary

A weather system descended upon the northern half of Colorado bringing cloudy conditions. No flights were attempted. The system may present rain which may reduce smoke and haze if clouds can clear enough in the next week.

Concerns

None.

Comments

Troy rotated in today. Mitch and Cam rotate in for tomorrow's flights. Welcome back all!

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: 36% (12/33)

Green: 36% (12/33)

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		

Flown: 100% (38/38)

Green: 0% (0/38)

Yellow: 87% (33/38)

Red: 13% (5/38)

* Flown within 35deg solar angle

D10|STER (Sterling Agricultural Site)

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															

Flown: 100% (25/25)

Green: 0% (0/25)

Yellow: 0% (0/25)

Red: 100% (25/25)

* Flown within 35deg solar angle

D13|WLOU (West St. Louis Creek)

2	3	4	5	6	7	8	9	10	11	12	13	14
---	---	---	---	---	---	---	---	----	----	----	----	----

Flown: 0% (0/13)

Green: 0% (0/13)

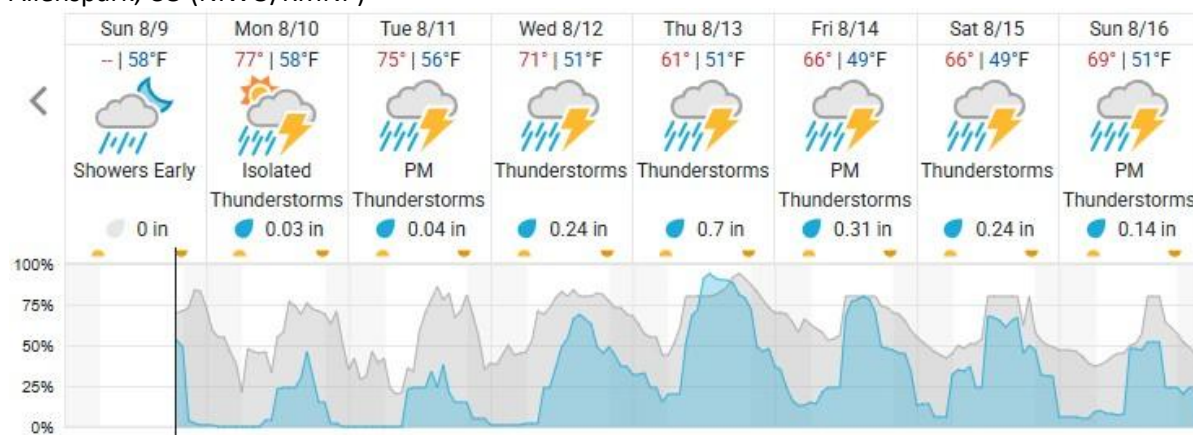
Yellow: 0% (0/13)

Red: 0% (0/13)

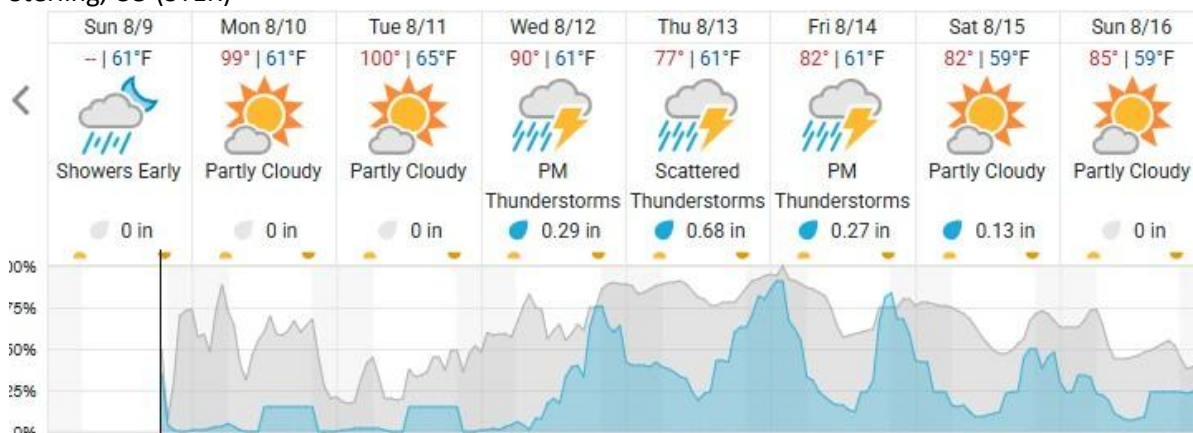
* Flown within 35deg solar angle

Weather Forecast

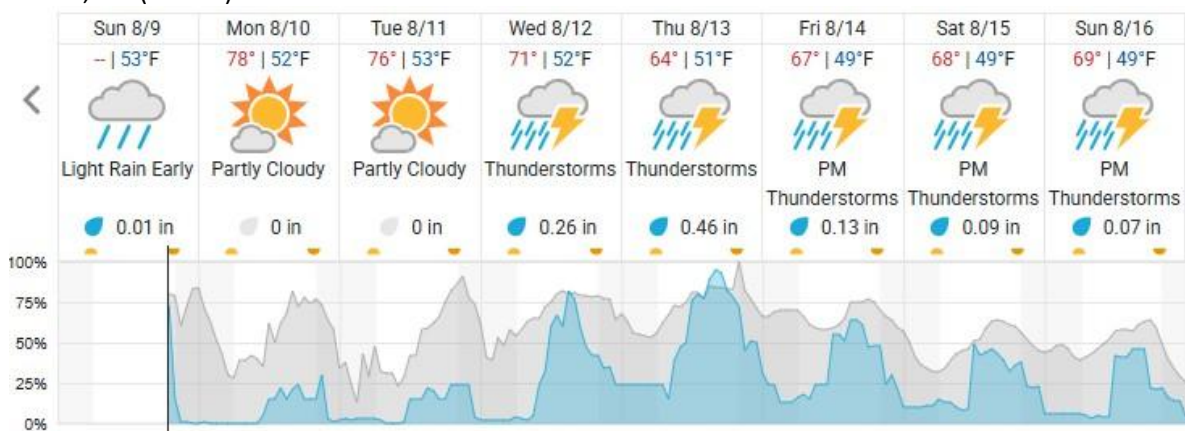
Allenspark, CO (NIWO/RMNP)



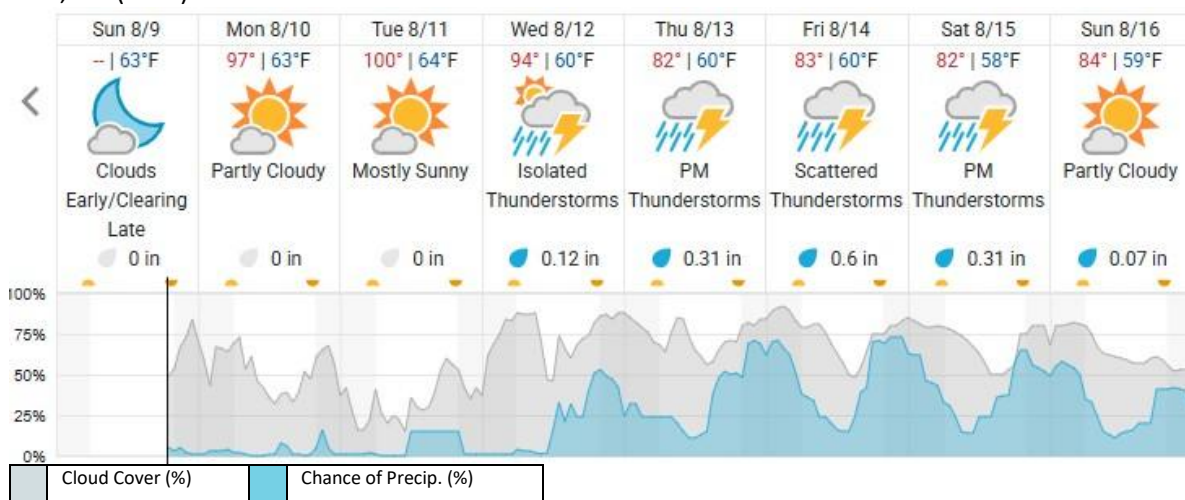
Sterling, CO (STER)



Fraser, CO (WLOU)



Joes, CO (ARIK)



source: wunderground.com

Flight Collection Plan for August 10th, 2026

Flyority 1

Site: Niwot Ridge Mountain Research Station (NIWO)
 Flight Plan Name: D13_NIWO_C1_P1_v7_PRM.xml
 Solar Angle Time: 09:50L/15:50UTC

Flyority 2

Site: Rocky Mountain National Park (RMNP)
 Flight Plan Name: D10_RMNP_R2_P2_v6_PRM.xml
 Solar Angle Time: 09:50L/15:50UTC

Flyority 3

Site: Sterling Agricultural Site (STER)
 Flight Plan Name: D10_STER_R1_P1_v5_PRM.xml
 Solar Angle Time: 09:10L/15:10UTC

Flyority 4 – Only to attempt if Green

Site: West St. Louis Creek (WLOU)
 Flight Plan Name: D13_WLOU_A1_P1_v4_PRM.xml
 Solar Angle Time: 09:50L/15:50UTC

Flyority 5 – *Only to attempt if Green*

Site: Arikaree River (ARIK) – Priority 1 & 2 Flight Box

Flight Plan Name: D10_ARIK_A1_P1_P2_v5_PRM.xml

Solar Angle Time: 09:30L/15:30UTC

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