



Payload 1 Daily Flight Report

Date: 2026-08-12

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: 4

Report Author: Mitch

Lidar Operators: Mitch

Flight Hours: 00:00

Spectrometer Operators: Matt **Hours until maintenance:** 29.18

Pilots: Troy, Jonathan

Ground Crew: Cameron

Summary

Runway closures at KBDU combined with non-green conditions across all sites allowed aircraft maintenance to start early today. No flights occurred, and none planned till aircraft maintenance is complete.

Concerns

None

Comments

Cam rotated out today to go join P2 and Elissa rotated in. Thanks for the hard work, Cam! Welcome back, Elissa!

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 | NIWO (Niwot Ridge Mountain Research Station)

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	41
42	43	44	45	46	47	48	49	50	51	52									

Flown: 100% (51/51)
Green: 27% (14/51)
Yellow: 33% (17/51)
Red: 39% (20/51)
* Flown within 35deg solar angle

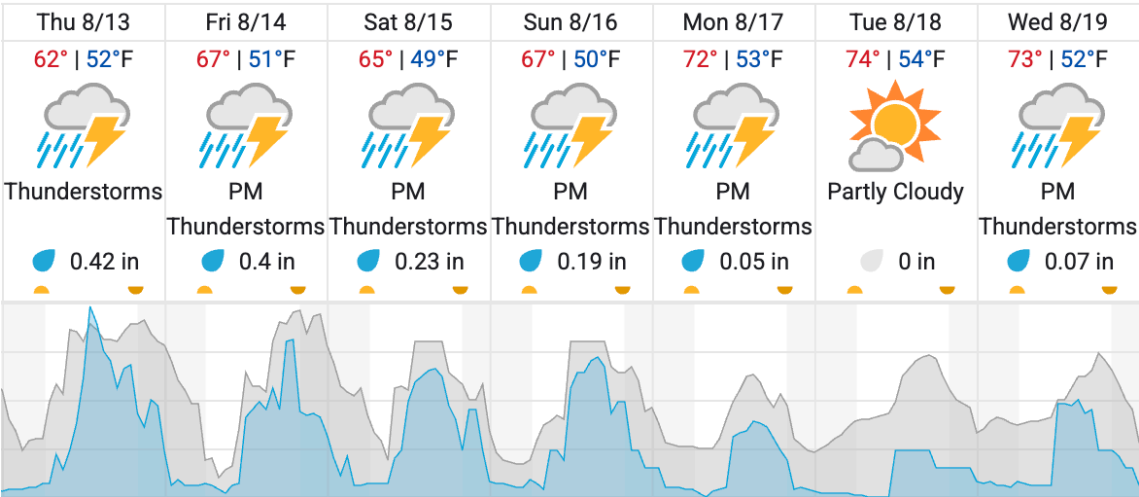
D13 | WLOU (West St. Louis Creek)

2	3	4	5	6	7	8	9	10	11	12	13	14
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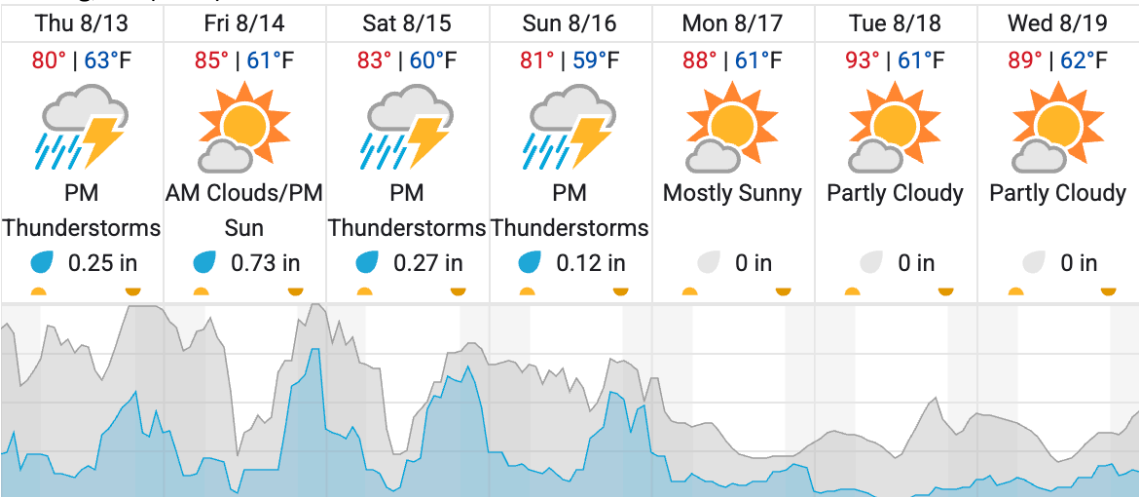
Flown: 0% (0/13)
Green: 0% (0/13)
Yellow: 0% (0/13)
Red: 0% (0/13)
* Flown within 35deg solar angle

Weather Forecast

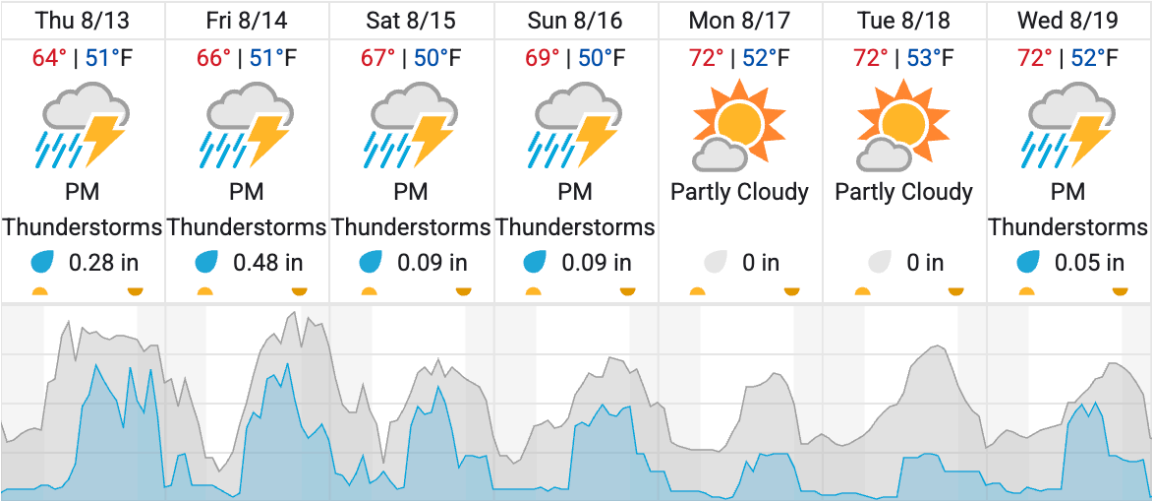
Allenspark, CO (NIWO/RMNP)



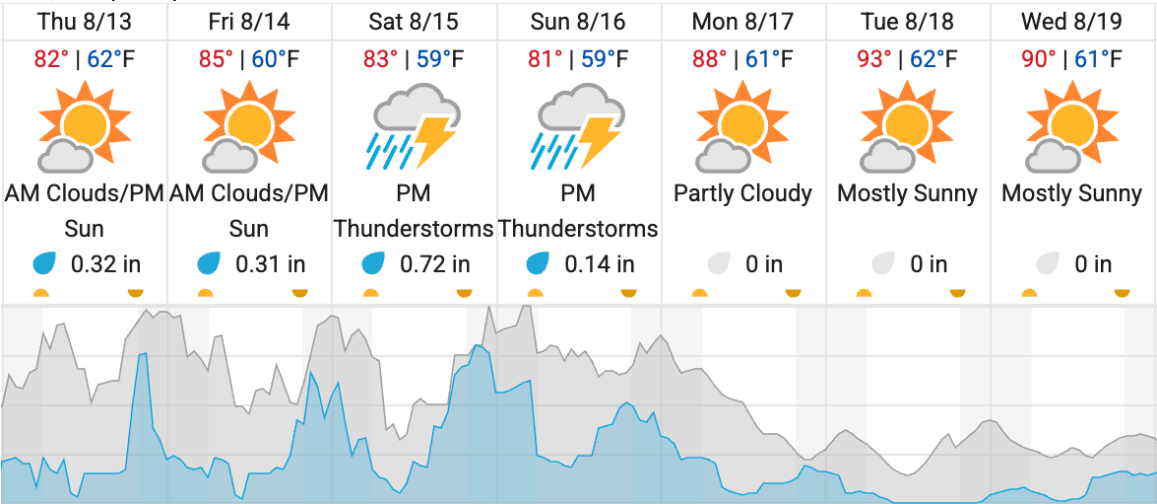
Sterling, CO (STER)



Fraser, CO (WLOU)



Joes, CO (ARIK)



source: wunderground.com

Flight Collection Plan for August 12th, 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), Mitch (NIS), Elissa (Ground)