



Payload 1 Daily Flight Report



Date: 2026-07-14

Flight Campaign ID: P1C1

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

Aircraft: N537AR

Domain: 10, 13 (Training & Calibration)

Sites Flown: None

Days left in Domain: 33

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 00:00

Spectrometer Operators: Mike

Hours until maintenance: 48.97

Pilots: Rusty, Manning

Ground Crew: Cameron, Mike

Summary

A clear morning over the Rocky Mountains was squandered due to an unexpected runway closure at the Boulder Airport. Unfortunately, shortly after the runway reopened, clouds began to develop over our sites, and no flight could be conducted.

Concerns

- None

Comments

- We will continue to monitor the chiller for full functionality.

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: 0% (0/39)

Green: 0% (0/39)

Yellow: 0% (0/39)

Red: 0% (0/39)

* Flown within 35deg solar angle

D10|RMNP_P2 (Rocky Mountain National Park Priority 2)

40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
60	61	62	63	64															

Flown: 0% (0/25)

Green: 0% (0/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

* 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: 0% (0/25)

Green: 0% (0/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

* 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: 0% (0/51)

Green: 0% (0/51)

Yellow: 0% (0/51)

Red: 0% (0/51)

* 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)

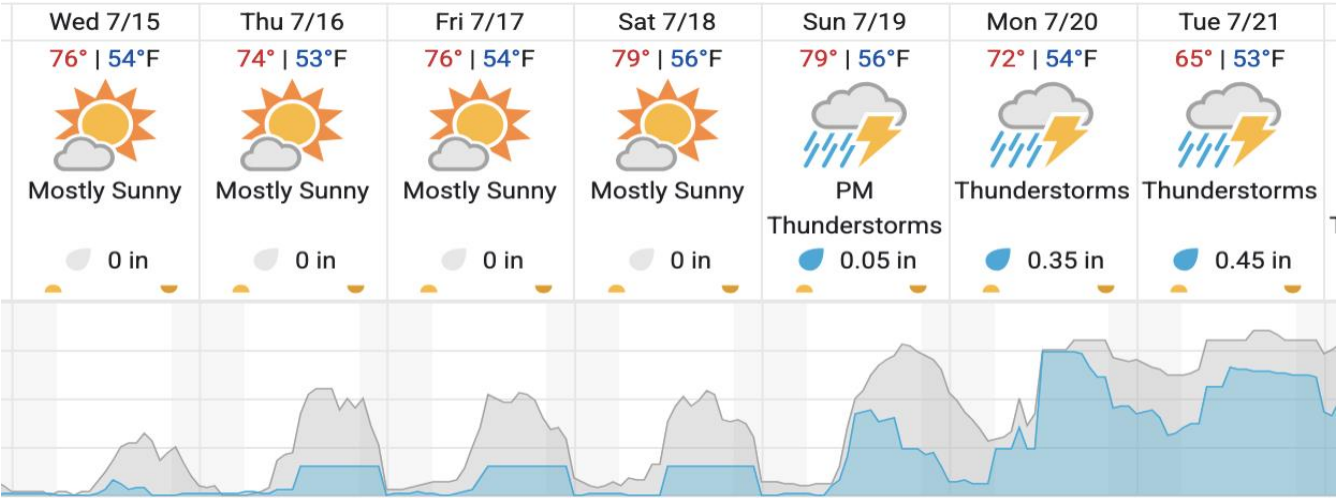
Yellow: 0% (0/13)

Red: 0% (0/13)

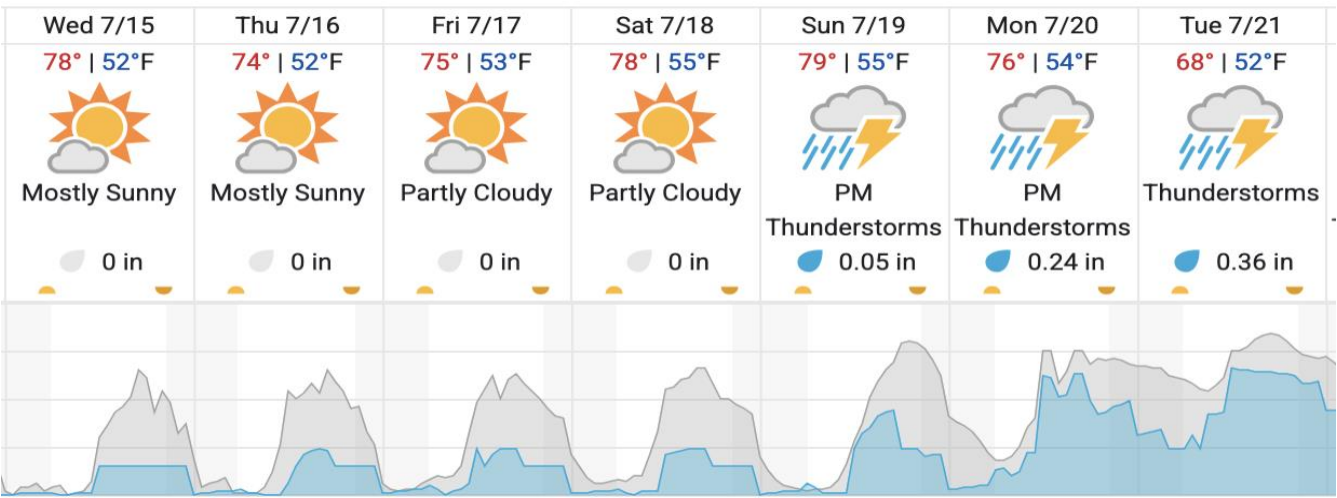
* Flown within 35deg solar angle

Weather Forecast

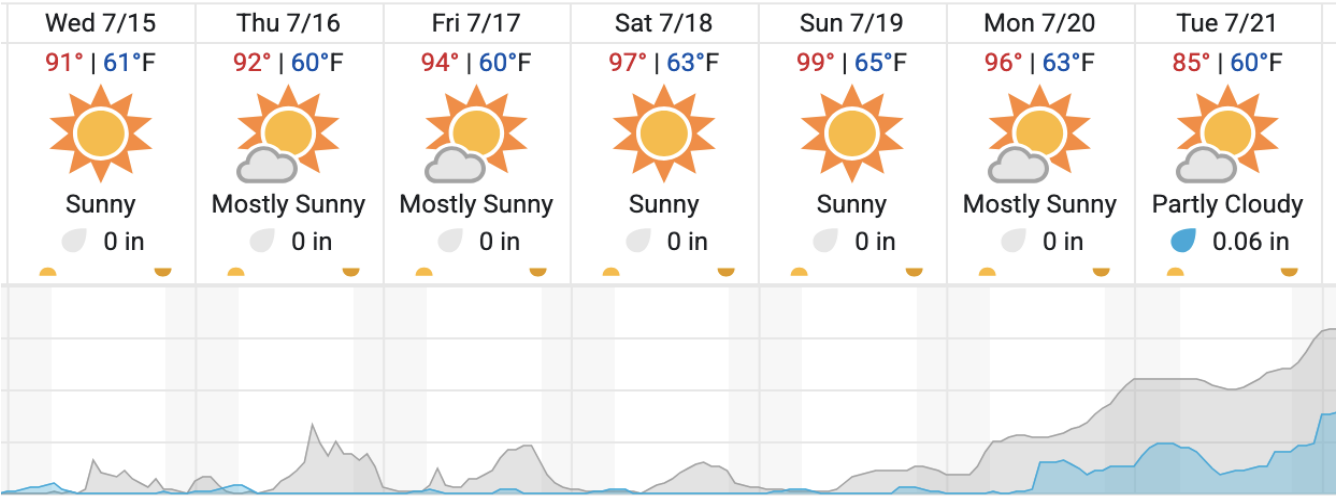
Allenspark, CO (RMNP/NIWO)



Fraser, CO (WLOU)



Joes, CO (ARIK)



Flight Collection Plan for July 15, 2026

Flyority 1

Site: Niwot Ridge Mountain Research Station (NIWO)
Flight Plan Name: D13_NIWO_C1_P1_v7_PRM.xml
Solar Angle Time: 09:30L/15:30UTC

Flyority 2

Site: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10_RMNP_R2_P2_v6_PRM.xml
Solar Angle Time: 09:30L/15:30UTC

Flyority 3

Site: Sterling Agricultural Site (STER)
Flight Plan Name: D10_STER_R1_P1_v5_PRM.xml
Solar Angle Time: 09:00L/15:00UTC

Flyority 4

Site: West St. Louis Creek (WLOU)
Flight Plan Name: D13_WLOU_A1_P1_v4_PRM.xml
Solar Angle Time: 09:30L/15:30UTC

Flyority 5

Site: Arikaree River (ARIK) – Priority 1 Flight Box
Flight Plan Name: D10_ARIK_A1_P1_P2_v5_PRM.xml
Solar Angle Time: 09:20L/15:20UTC

Flyority 6

Site: Arikaree River (ARIK) – Priority 2 Flight Box
Flight Plan Name: D10_ARIK_A1_P1_P2_v5_PRM.xml
Solar Angle Time: 09:20L/15:20UTC

Crew: Mike (Lidar), Mitch (NIS), Matt/Nick (Ground)