



Payload 1 Daily Flight Report



Date: 2026-07-21

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: 26

Report Author: Matt

Lidar Operators: Matt

Spectrometer Operators: Elissa

Pilots: Manning, Rusty

Flight Hours: 00:00

Hours until maintenance: 47.08

GPS Instruments: None

Summary

Cumuluous clouds throughout the collection areas prevented flights from occurring.

Concerns

None

Comments

GPS 7 has been deployed to Joes, CO for the ARIK site. Thanks Nick!

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

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: 27% (14/51)
Green: 27% (14/51)
Yellow: 0% (0/51)
Red: 0% (0/51)
* Flown within 35deg solar angle

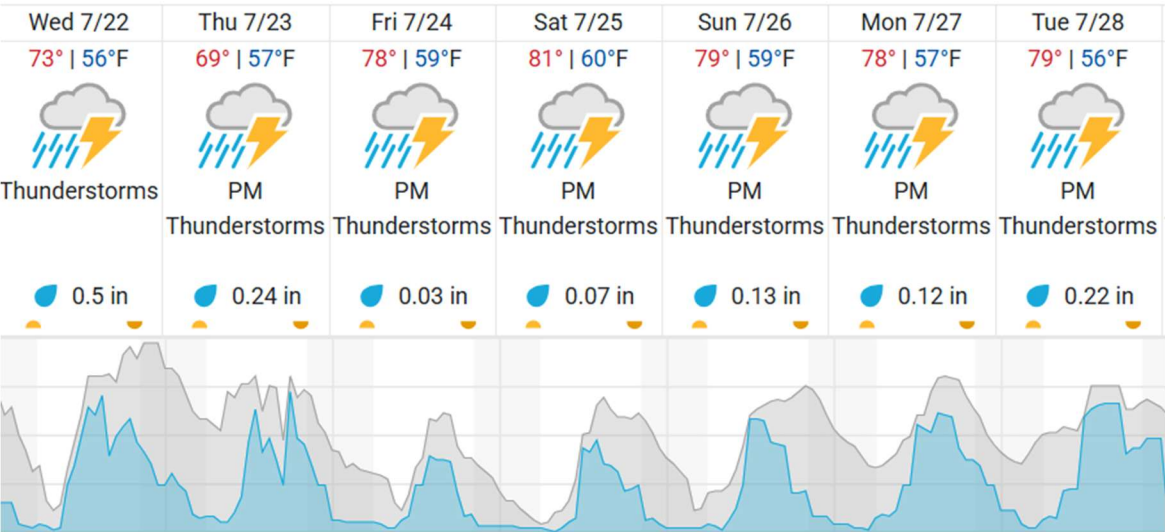
D13|WLOU (West St. Louis Creek)

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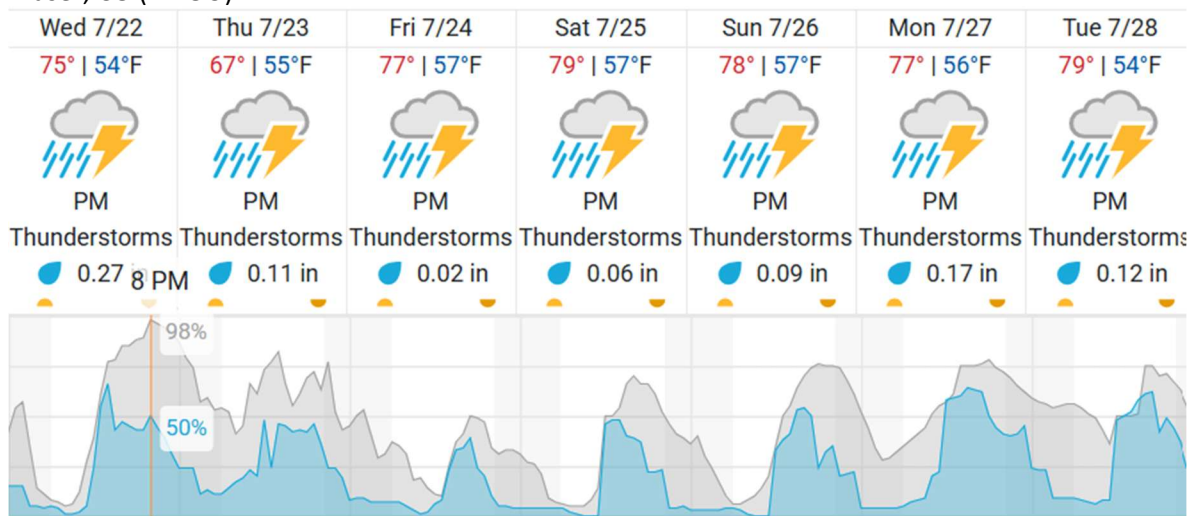
Flown: 0% (0/13)
Green: 0% (0/13)
Yellow: 0% (0/13)
Red: 0% (0/13)
* Flown within 35deg solar angle

Weather Forecast

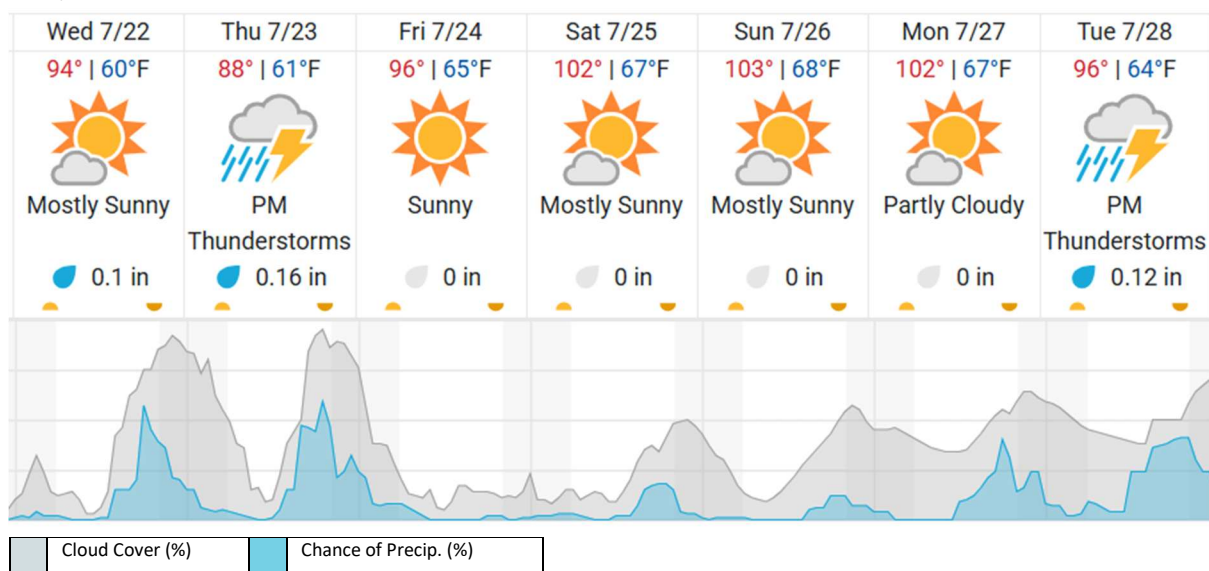
Allenspark, CO (RMNP/NIWO)



Fraser, CO (WLOU)



Joes, CO



source: wunderground.com

Flight Collection Plan for July 21, 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: West St. Louis Creek (WLOU)

Flight Plan Name: D13_WLOU_A1_P1_v4_PRM.xml

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

Flyority 4

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 5

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: Elissa (Lidar), Mike (NIS), Matt (Ground)