



Payload 1 Daily Flight Report

Date: 2026-07-20

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: 27

Report Author: Mike

Lidar Operators: Mike

Flight Hours: 00:00

Spectrometer Operators: Matt

Hours until maintenance: 47.08

Pilots: Manning, Rusty

GPS Instruments: None

Summary

The monsoonal pattern continues with cumulus clouds quickly building early in the morning and turning into rain showers by early afternoon. Due to this, no flights were conducted.

Concerns

None

Comments

ARIK has been added to the flight priorities list.

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

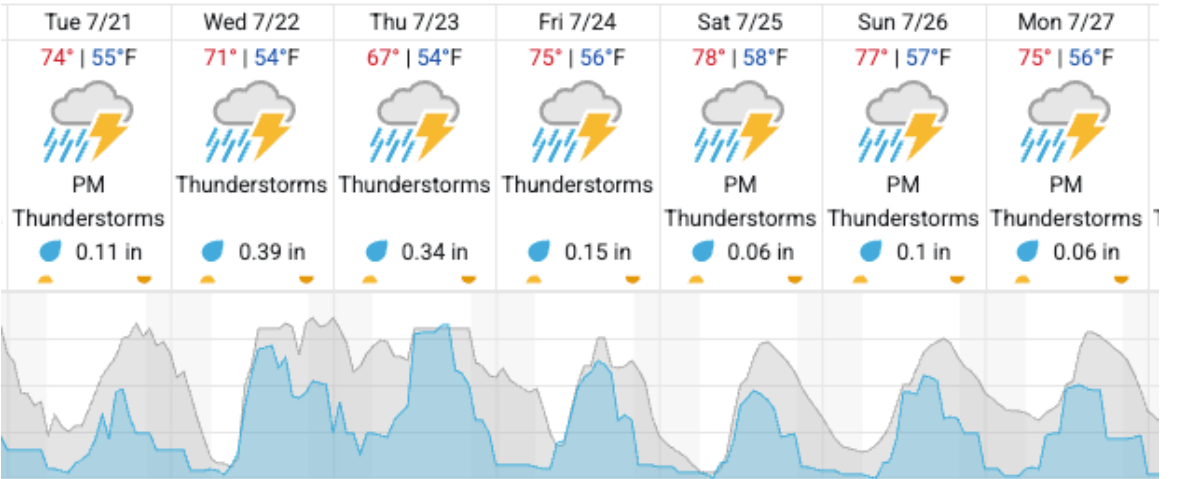
D13|WLOU (West St. Louis Creek)

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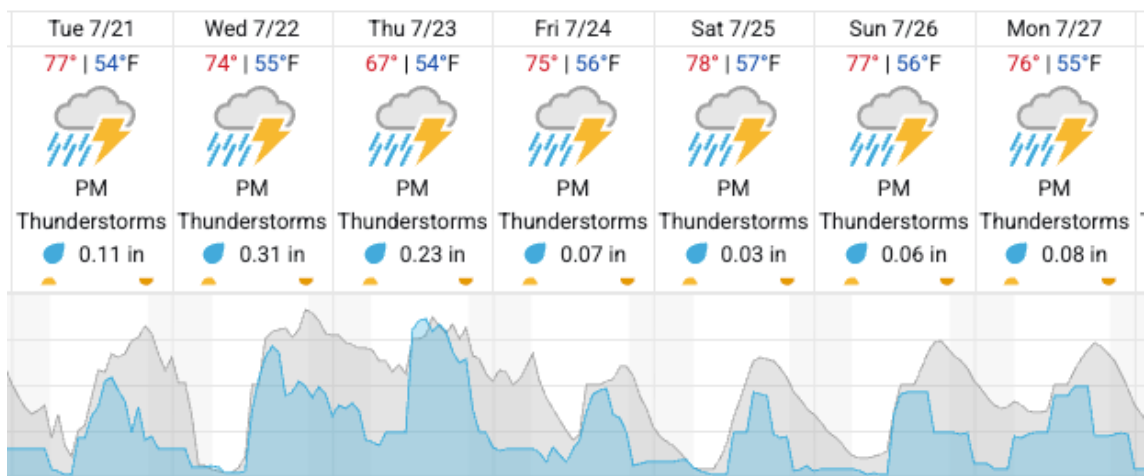
Flown: 0% (0/13)
Green: 0% (0/13)
Yellow: 0% (0/13)
Red: 0% (0/13)
* Flown within 35deg solar angle

Weather Forecast

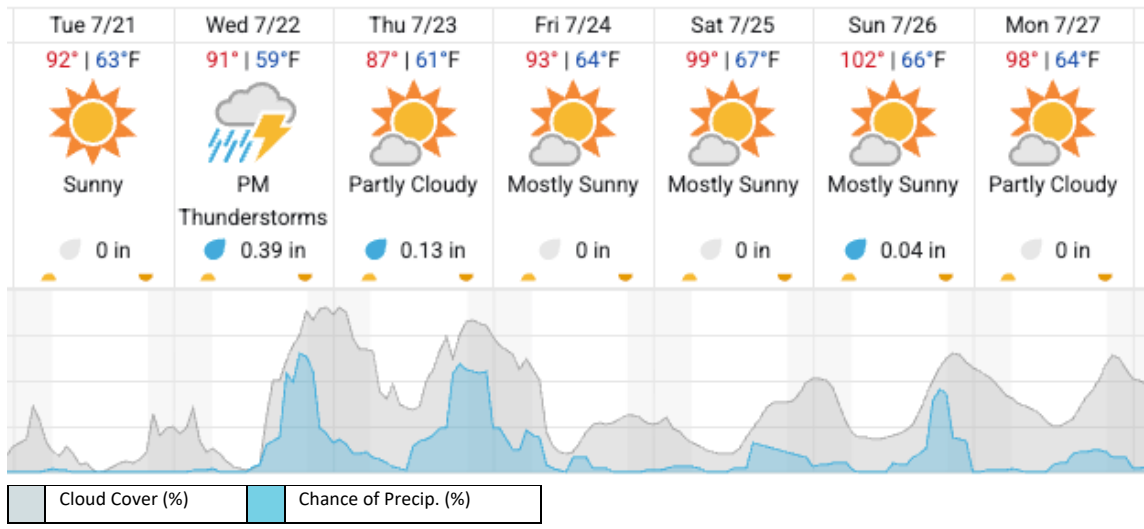
Allenspark, CO (RMNP/NIWO)



Fraser, CO (WLOU)



Joes, CO



source: wunderground.com

Flight Collection Plan for July 20, 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: Matt (Lidar), Elissa (NIS), Mike (Ground)