



Payload 1 Daily Flight Report



Date: 2026-07-29
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: 18

Report Author: Mike
Lidar Operators: Mike **Flight Hours:** 00:00
Spectrometer Operators: Matt **Hours until maintenance:** 43.95
Pilots: Manning, Rusty

Summary

Early morning clouds over all the sites quickly developed into rain and thunderstorms across the region. No flights were possible.

Concerns

None.

Comments

None.

Cumulative Domain Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

Solar Angle Less Than 40 degrees: (*)

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	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: 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)

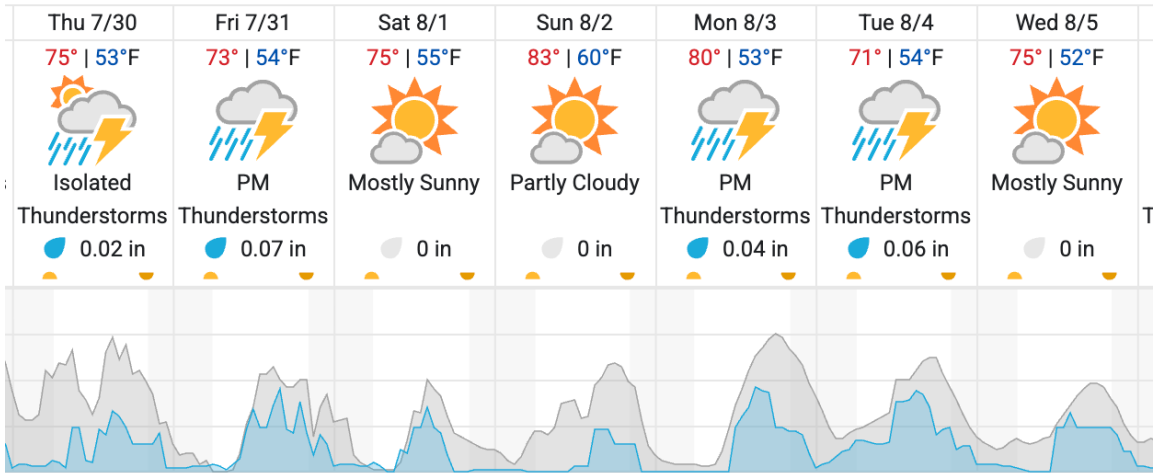
Yellow: 0% (0/13)

Red: 0% (0/13)

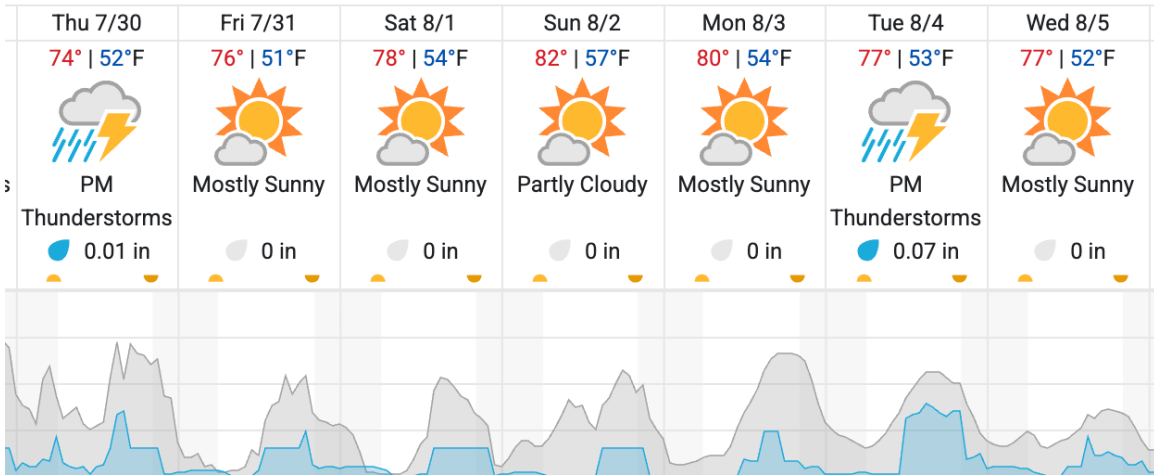
* Flown within 35deg solar angle

Weather Forecast

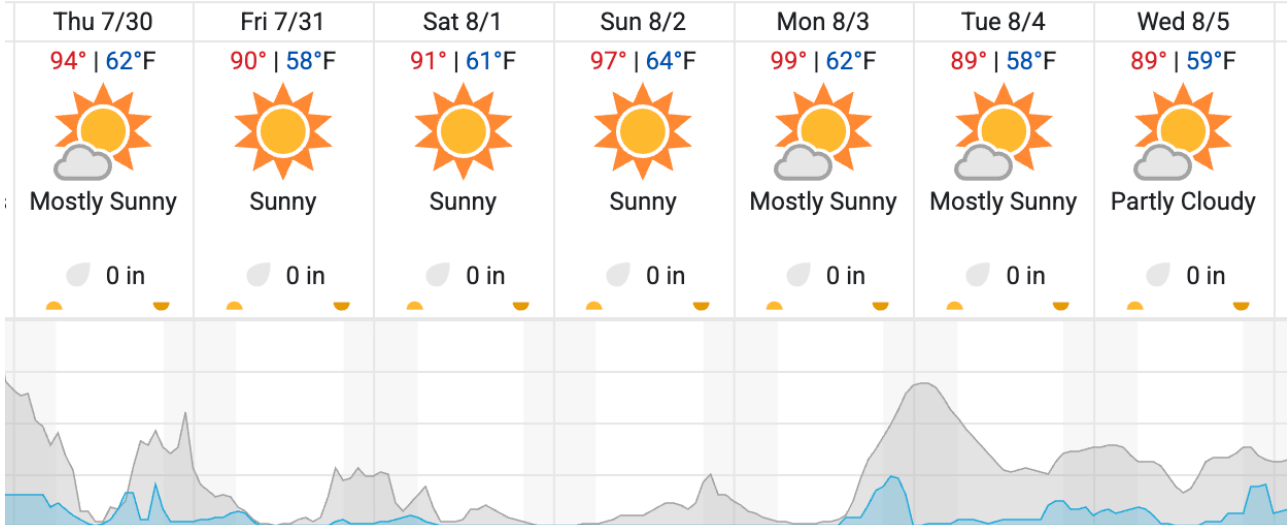
Allenspark, CO (RMNP/NIWO)



Fraser, CO (WL0U)



Joes, CO (ARIK)



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 30 July 2026

Flyority 1

Site: Niwot Ridge Mountain Research Station (NIWO)
Flight Plan Name: D13_NIWO_C1_P1_v7_PRM.xml
Solar Angle Time: 09:40L/15:40UTC

Flyority 2

Site: Rocky Mountain National Park (RMNP)
Flight Plan Name: D10_RMNP_R2_P2_v6_PRM.xml
Solar Angle Time: 09:40L/15:40UTC

Flyority 3

Site: West St. Louis Creek (WLOU)
Flight Plan Name: D13_WLOU_A1_P1_v4_PRM.xml
Solar Angle Time: 09:40L/15:40UTC

Flyority 4

Site: Arikaree River (ARIK) – Priority 1 Flight Box
Flight Plan Name: D10_ARIK_A1_P1_P2_v5_PRM.xml
Solar Angle Time: 09:30L/15:30UTC

Flyority 5

Site: Arikaree River (ARIK) – Priority 2 Flight Box
Flight Plan Name: D10_ARIK_A1_P1_P2_v5_PRM.xml
Solar Angle Time: 09:30L/15:30UTC

Crew: Matt (Lidar), Mike (NIS), None (Ground)