



Payload 3 Daily Flight Report



**Date:** 2024-07-25

**Flight Campaign ID:** P3C1

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

**Aircraft:** N821AR

**Domain:** 10 (Central Plains), 13 (Southern Rockies & Colorado Plateau), 15 (Great Basin)

**Sites Flown:** ARIK (Arikaree River)

**Days left in Domain:** 33

**Report Author:** Nick

**Lidar Operators:** Nick

**Flight Hours:** 01:53

**Spectrometer Operators:** Cameron **Hours until maintenance:** 118.80

**Pilots:** Justin, Manning

**Ground Crew:** Matt

**Summary**

The crew was tempted to collect ARIK with clear skies forecasts. Once on site, smoke was too significant to make a successful collect and the flight was terminated with no collections.

**Concerns**

None

**Comments**

None

**Daily Coverage**

None

**Flight Screenshots**

None

**Pictures**

None

**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)

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)

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: 100% (25/25)  
 Yellow: 0% (0/25)  
 Red: 0% (0/25)

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: 4% (2/51)  
 Green: 0% (0/51)  
 Yellow: 0% (0/51)  
 Red: 4% (2/51)

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)

D15|CTWD\_P1 (RSS)

1	2	3	4		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22																			

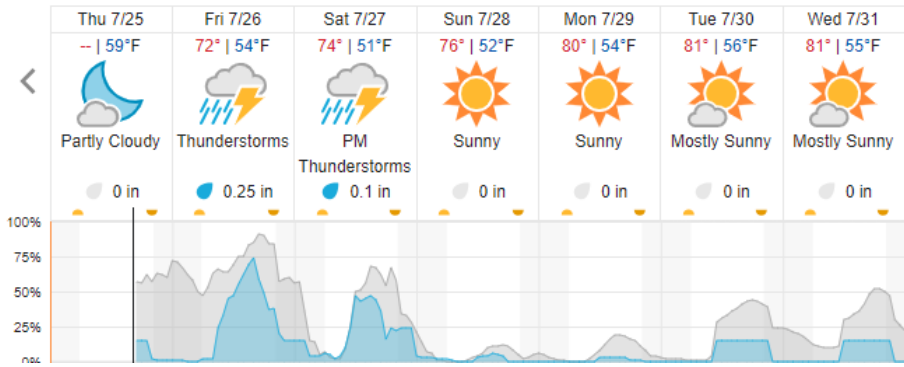
Flown: 0% (0/22)  
 Green: 0% (0/22)  
 Yellow: 0% (0/22)  
 Red: 0% (0/22)

D15|CTWD\_P2 (RSS)

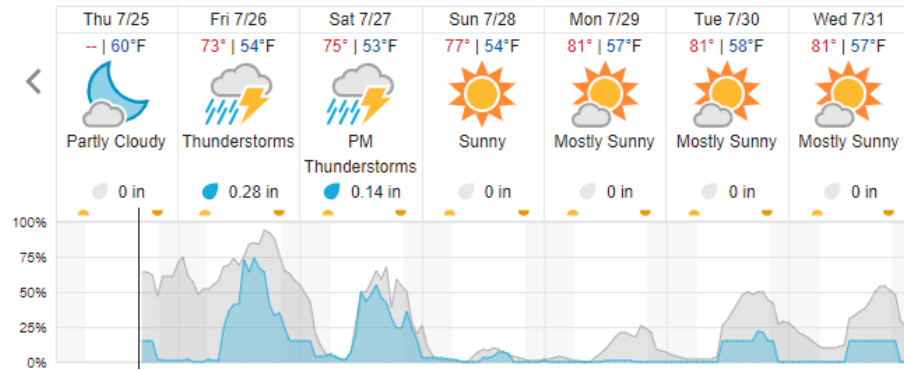
23	24	25	26	27	28	29
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Flown: 0% (0/7)  
 Green: 0% (0/7)  
 Yellow: 0% (0/7)  
 Red: 0% (0/7)

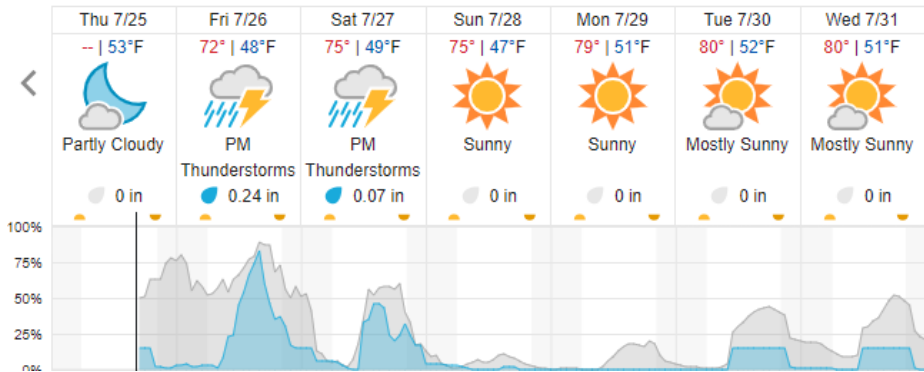
## Weather Forecast Allenspark CO (RMNP)



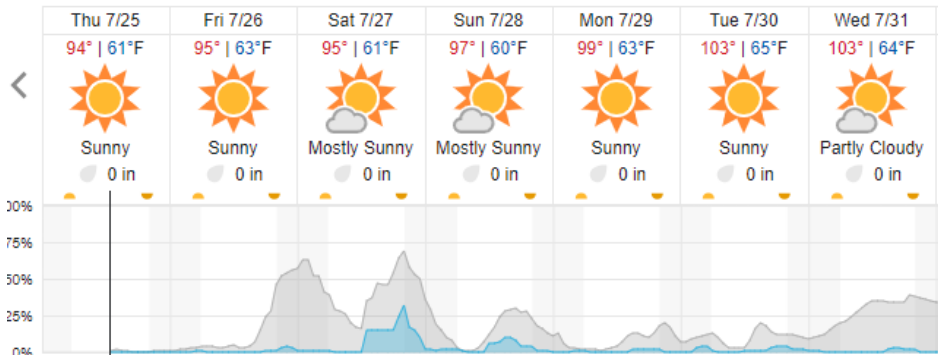
## Nederland, CO (NIWO)



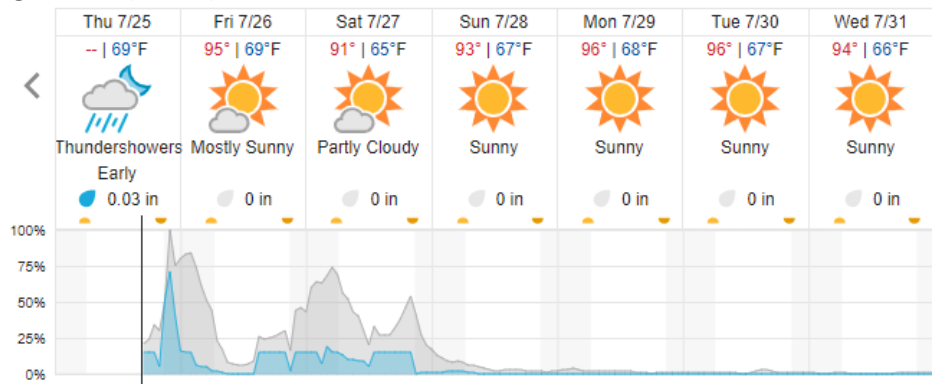
## Fraser, CO (WLOU)



## Joes, CO (ARIK)



## Ogden, UT (CTWD)



source: wunderground.com

### Flight Collection Plan for July 26, 2024

#### Flyority 1

Collection Area: Niwot Ridge Mountain Research Station

Flight Plan Name: D13\_NIWO\_C1\_P1\_v5\_Q780

On-station Time: 1530 UTC / 0930 L

#### Flyority 2

Collection Area: Rocky Mountain National Park (RMNP)

Flight Plan Name: D10\_RMNP\_R2\_P1\_v4\_Q780

On-station Time: 1530 UTC / 0930 L

#### Flyority 3

Collection Area: West St. Louis Creek (WLOU)

Flight Plan Name: D13\_WLOU\_A1\_P1\_v2\_Q780

On-station Time: 1540 UTC / 0940 L

#### Flyority 4

Collection Area: Arikaree River (ARIK) – Priority 1 & 2 Flight Box

Flight Plan Name: D10\_ARIK\_A1\_P2\_v3\_Q780

On-station Time: 1520 UTC / 0920 L

#### Flyority 5

Collection Area: Northern Utah Priority 1 Flight Plan

Flight Plan Name: D15\_CTWD\_S1\_P1\_v1

On-station Time: 1520 UTC / 0920 L

#### Flyority 6

Collection Area: Northern Utah Priority 2 Flight Plan

Flight Plan Name: D15\_CTWD\_S1\_P2\_v1

On-station Time: 1520 UTC / 0920 L

Crew: Cam (Lidar), Matt (NIS), Nick (Ground)