



## Payload 3 Daily Flight Report

**Date:** 2024-08-04

**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:** None

**Days left in Domain:** 22

**Report Author:** Matt

**Lidar Operators:** Matt

**Spectrometer Operators:** Elissa

**Pilots:** Vince, Will

**Ground Crew:** Nick

**Flight Hours:** 0.00

**Hours until maintenance:** 101.83

**GPS Instruments:** N/A

### Summary

No flights were conducted today while the crew waits on the fuel neck seal to be replaced. TOIL mechanic is inbound; estimate monday afternoon return to service.

### Concerns

None.

### Comments

None.

### Daily Coverage

None.

### Estimated Cloud Cover Key

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

### Solar Angle Less Than 40 degrees

Line #
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### 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: 97% (38/39)  
 Green: 97% (38/39)  
 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: 100% (51/51)  
 Green: 100% (51/51)  
 Yellow: 0% (0/51)  
 Red: 0% (0/51)

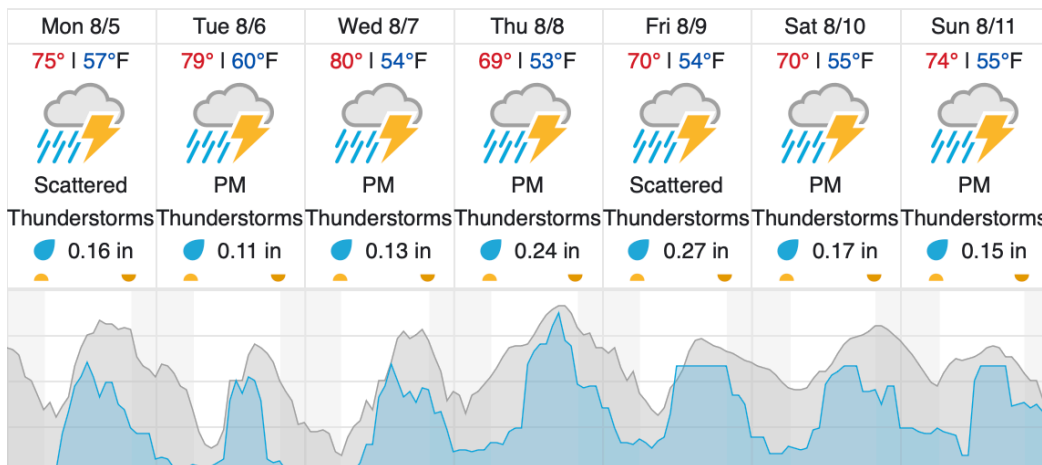
D13|WLOU (West St. Louis Creek)

2	3	4	5	6	7	8	9	10	11	12	13	14
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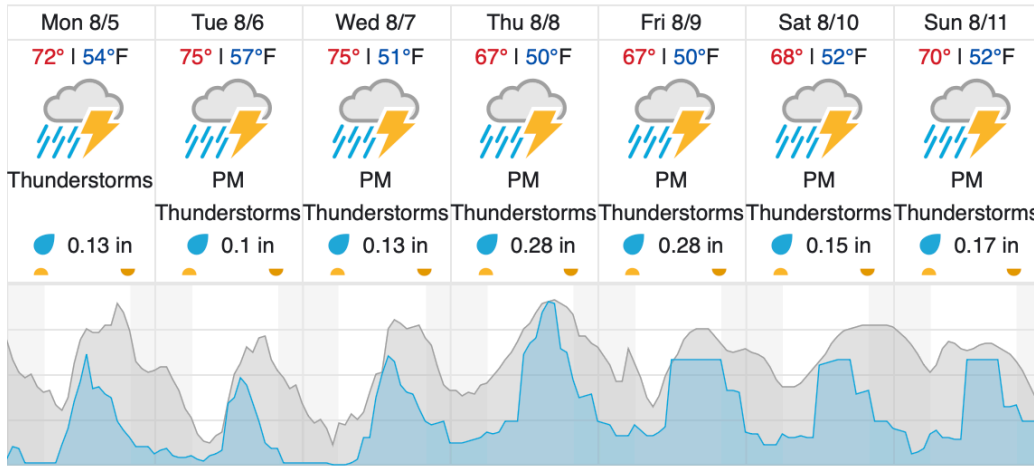
Flown: 92% (12/13)  
 Green: 92% (12/13)  
 Yellow: 0% (0/13)  
 Red: 0% (0/13)

**Weather Forecast**

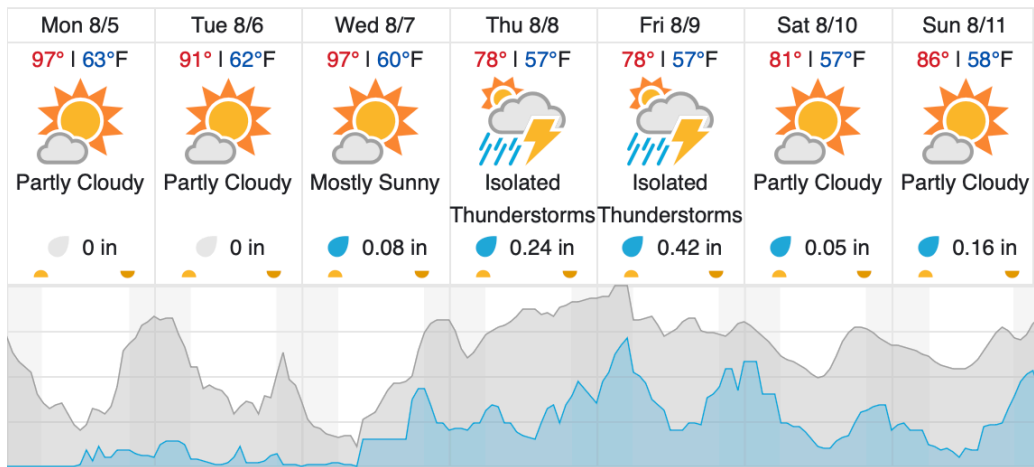
Nederland CO (NIWO)



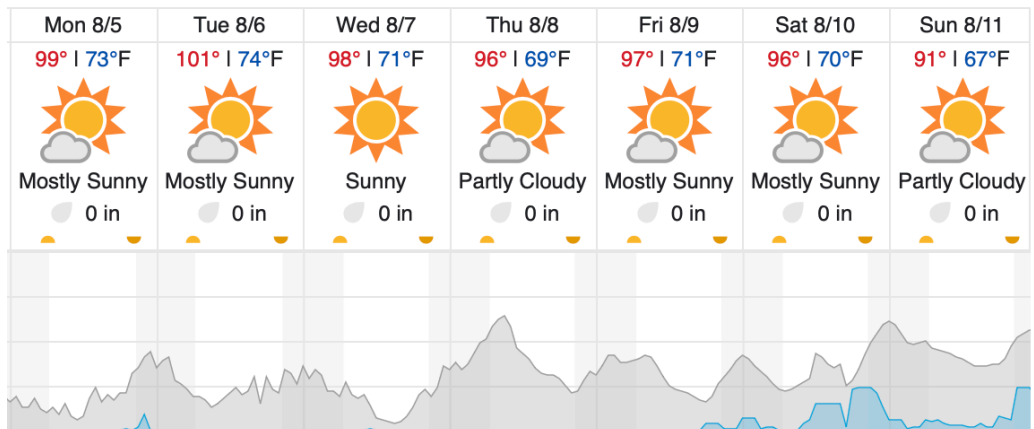
Allenspark CO (RMNP)



Joes CO (ARIK)



Ogden UT (CTWD)



source: wunderground.com

**Flight Collection Plan for August 5<sup>th</sup> 2024**

Flyority 1

Collection Area: Niwot Ridge Mountain Research Station

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

On-station Time: 1540 UTC / 0940 L

#### Flyority 2

Collection Area: Rocky Mountain National Park (RMNP)

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

On-station Time: 1540 UTC / 0940 L

#### Flyority 3

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 4

Collection Area: Northern Utah Priority 1 Flight Plan

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

On-station Time: 1520 UTC / 0920 L

#### Flyority 4

Collection Area: Northern Utah Priority 2 Flight Plan

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

On-station Time: 1520 UTC / 0920 L

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