



## Payload 3 Daily Flight Report



**Date:** 2024-07-17

**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:** 41

**Report Author:** Matt

**Lidar Operators:** N/A

**Flight Hours:** 00:00

**Spectrometer Operators:** N/A

**Hours until maintenance:** 125.00

**Pilots:** Justin, Jacob

**Ground Crew:** Cameron, Matt, Nick

### Summary

- Routine aircraft maintenance was completed this afternoon, and the payload is ready for data collection. Rainy conditions in the mountains and cloudy conditions on Colorado's eastern plains would have prevented flights from occurring today.

### Concerns

- cRIO telemetry communicate issue.

### Comments

- None

### Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Line #
--------

**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: 0% (0/25)

Green: 0% (0/25)

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: 0% (0/51)

Green: 0% (0/51)

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
---	---	---	---	---	---	---	---	----	----	----	----	----

Flown: 0% (0/13)

Green: 0% (0/13)

Yellow: 0% (0/13)

Red: 0% (0/13)

### D15|CTWD\_P1 (Cottonwood Assignable Asset – Northern Utah)

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 (Cottonwood Assignable Asset – Northern Utah)

23	24	25	26	27	28	29
----	----	----	----	----	----	----

Flown: 0% (0/7)

Green: 0% (0/7)

Yellow: 0% (0/7)

Red: 0% (0/7)

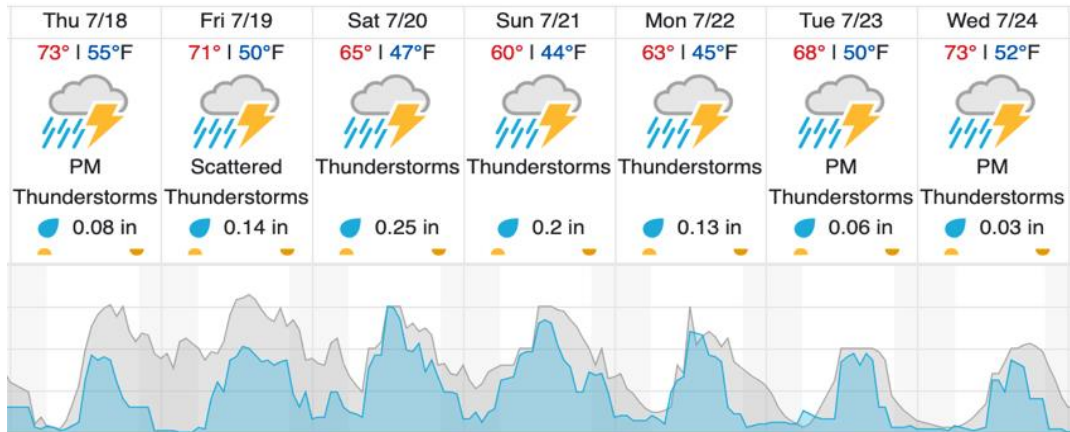
D15|CTWD\_P3 (Cottonwood Assignable Asset – Northern Utah)

30	31	32	33	34	35	36	37	38	39	40	41	42
----	----	----	----	----	----	----	----	----	----	----	----	----

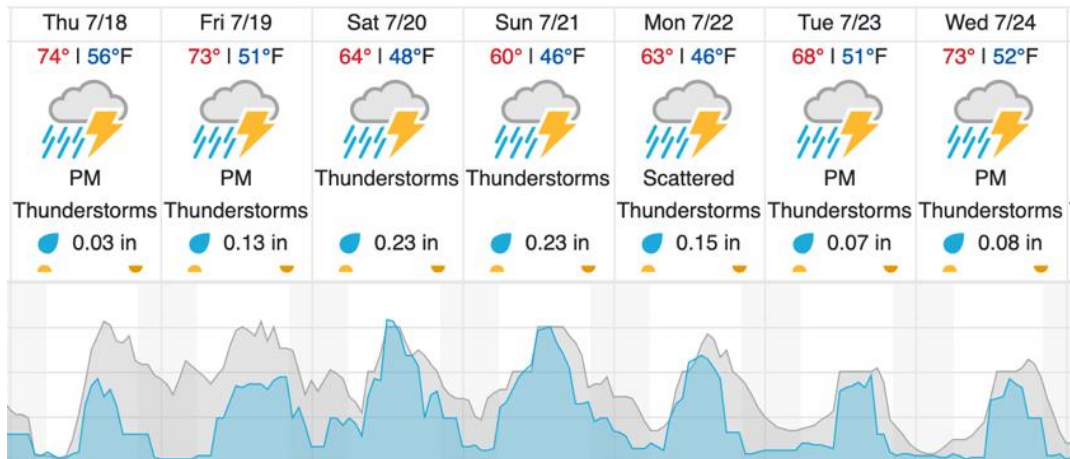
Flown: 0% (0/13)  
 Green: 0% (0/13)  
 Yellow: 0% (0/13)  
 Red: 0% (0/13)

**Weather Forecast**

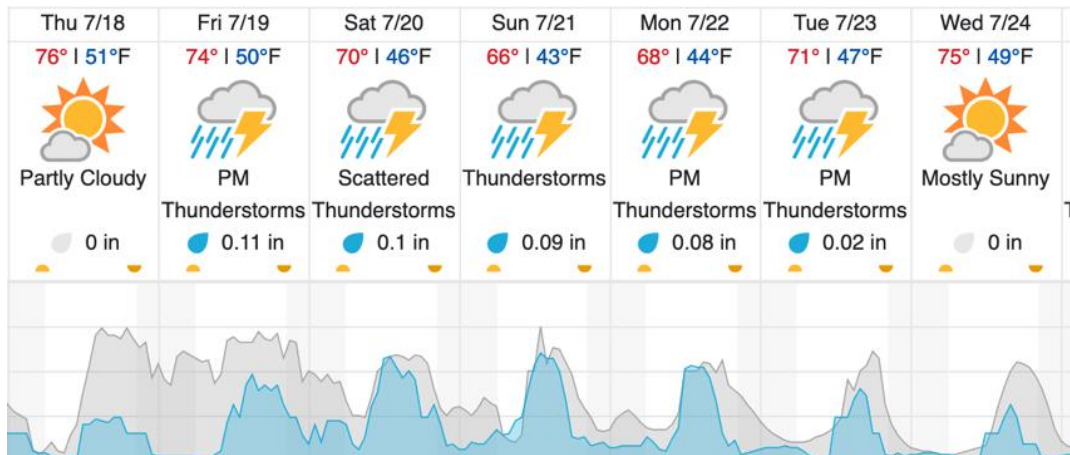
Allenspark, CO (RMNP)



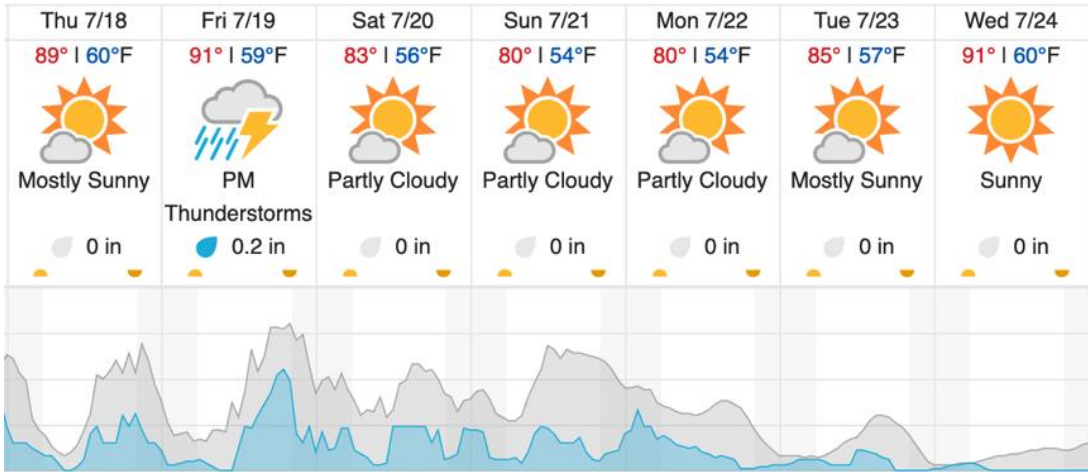
Nederland, CO (NIWO)



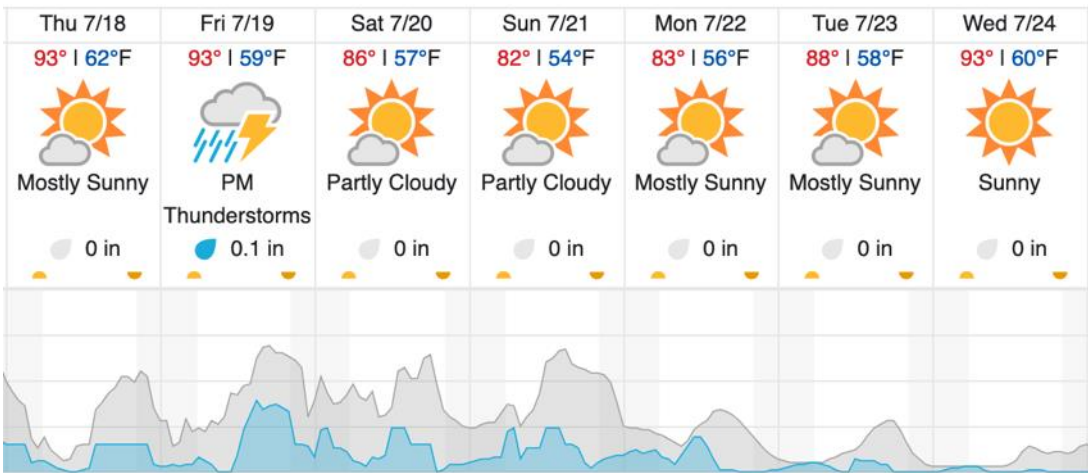
Fraser, CO (WLOU)



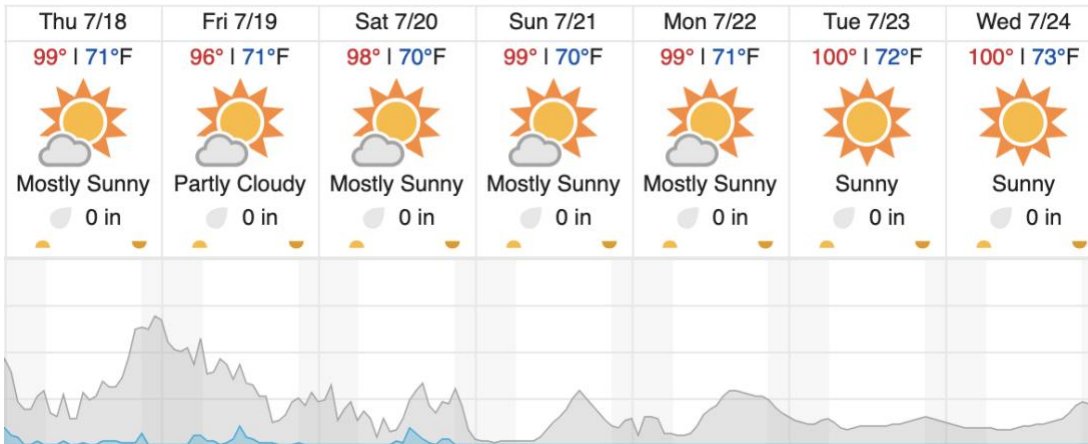
Joes, CO (ARIK)



Sterling, CO (STER)



Ogden, UT (CTWD)



Cloud Cover (%)      Chance of Precip. (%)

source: wunderground.com

**Flight Collection Plan for July 18, 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: Sterling Agricultural Site (STER)

Flight Plan Name: D10\_STER\_R1\_P1\_v3\_Q780

On-station Time: 1530 UTC / 0930 L

#### Flyority 5

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 6

Collection Area: Northern Utah Priority 2 Flight Plan

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

On-station Time: 1520 UTC / 0920 L

#### Flyority 7

Collection Area: Northern Utah Priority 2 Flight Plan

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

On-station Time: 1520 UTC / 0920 L

#### Flyority 8

Collection Area: Northern Utah Priority 2 Flight Plan

Flight Plan Name: D15\_CTWD\_S1\_P3\_v1

On-station Time: 1520 UTC / 0920 L

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