



## Payload 3 Daily Flight Report



**Date:** 2023-08-20

**Flight Campaign ID:** P3C1

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

**Aircraft:** N934MU

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

**Sites Flown:** None

**Days left in Domain:** 6

**Report Author:** Cameron

**Lidar Operators:** Cameron

**Flight Hours:** 00:00

**Spectrometer Operators:** Mitch

**Hours until maintenance:** 76.92

**Pilots:** Justin, Will

**Ground Crew:** John

### Summary

Cloudy skies kept the aircraft grounded today. No flight was conducted.

### Concerns

- None

### Comments

- None

### Daily Coverage

Estimated Cloud Cover Key

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

### 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: 100% (33/33)

Green: 100% (33/33)

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		

Flown: 58% (22/38)

Green: 37% (14/38)

Yellow: 18% (7/38)

Red: 3% (1/38)

### 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: 82% (42/51)

Green: 82% (42/51)

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: 0% (0/13)

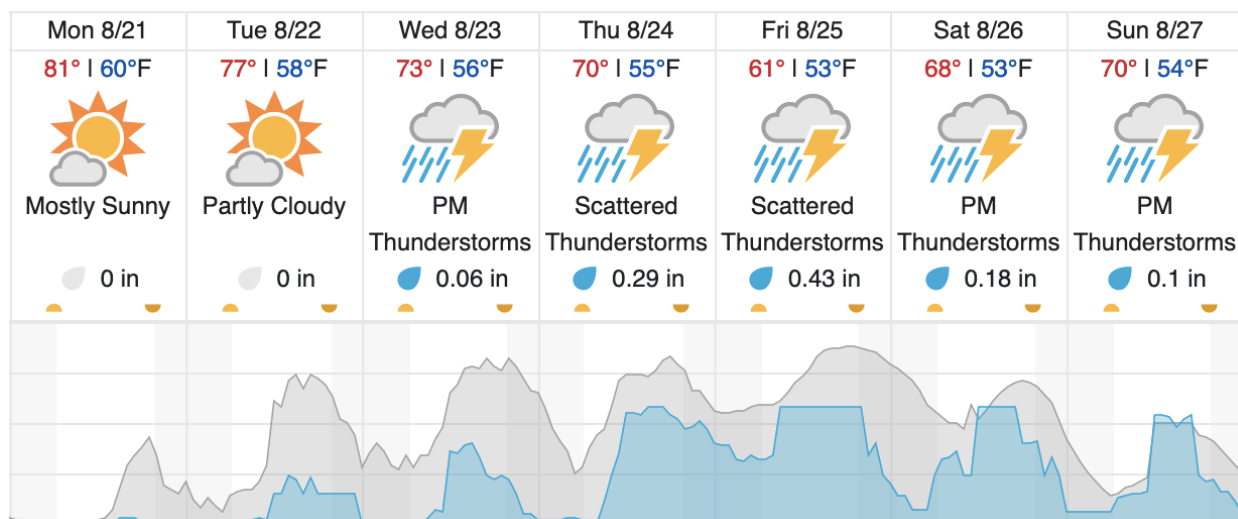
Green: 0% (0/13)

Yellow: 0% (0/13)

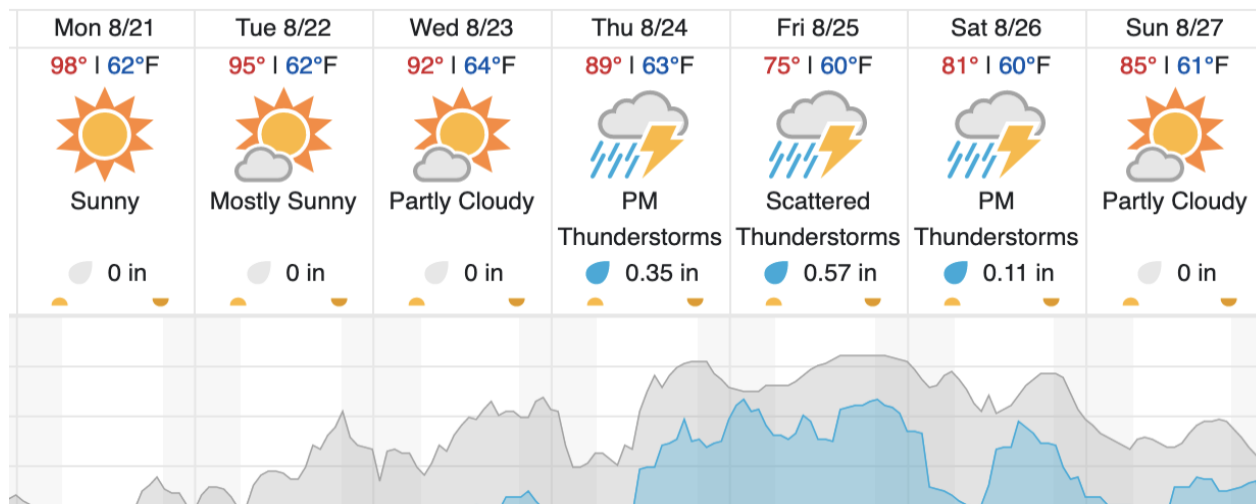
Red: 0% (0/13)

## Weather Forecast

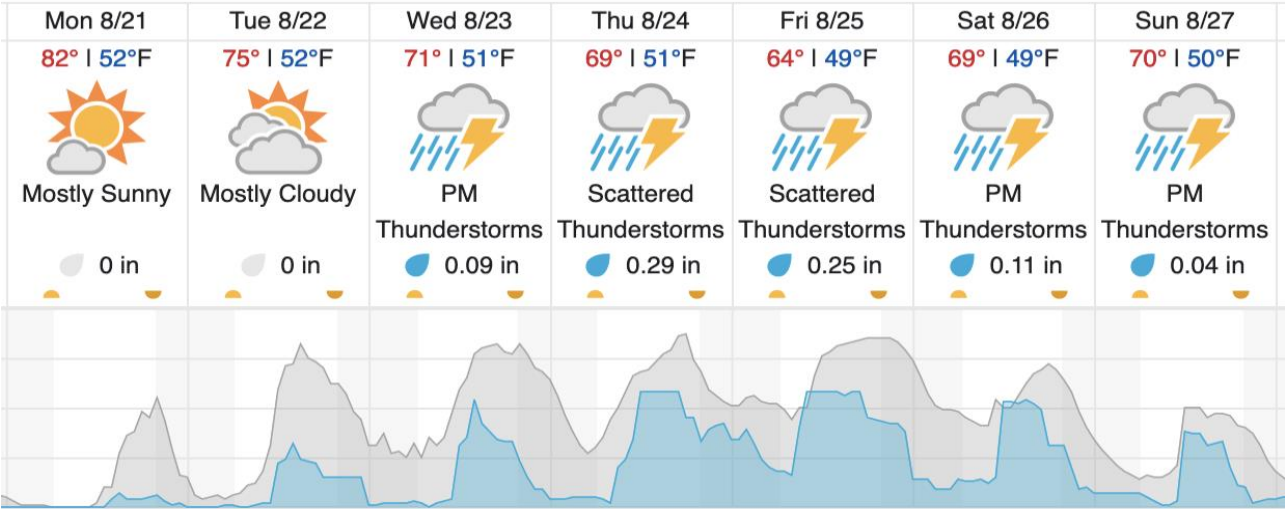
### Nederland, CO (NIWO)



### Allenspark, CO (RMNP)



Fraser, CO (WLOU)



source: wunderground.com

Flight Collection Plan for August 21<sup>st</sup>, 2023

Flyority 1

Collection Area: Niwot Ridge Mountain Research Station (NIWO)

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

On-Station Time: 16:00 UTC / 10:00 L

Flyority 2

Collection Area: Rocky Mountain National Park (RMNP)

Flight Plan Name: D10\_RMNP\_R2\_P1\_v2\_Q780

On-Station Time: 16:00 UTC / 10:00 L

Flyority 3

Collection Area: West St. Louis Creek (WLOU)

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

On-Station Time: 16:00 UTC / 10:00 L

Crew: Mitch (Lidar), Cam (NIS), John (Ground)