



## Payload 3 Daily Flight Report



**Date:** 2023-08-16

**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:** 10

**Report Author:** Mitch

**Lidar Operators:** Mitch

**Flight Hours:** 00:00

**Spectrometer Operators:** Matt

**Hours until maintenance:** 77.62

**Pilots:** Justin, Will

**GPS Instruments:** AOP\_KBDU, AOP\_NIWO

**Ground Crew:** Cameron

### Summary

Clear skies this morning had the crew mobilizing to continue collection efforts over NIWO and RMNP. However after towing out and competing system starts, clouds were observed forming over the mountains and in both tower cameras prior to start of solar angle. Crew delayed taking off, and eventually cancelled flights and towed back in the hangar as clouds continued to grow throughout the morning.

### Concerns

None

### Comments

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: 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
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Flown: 82% (42/51)  
 Green: 82% (42/51)  
 Yellow: 0% (0/51)  
 Red: 0% (0/51)

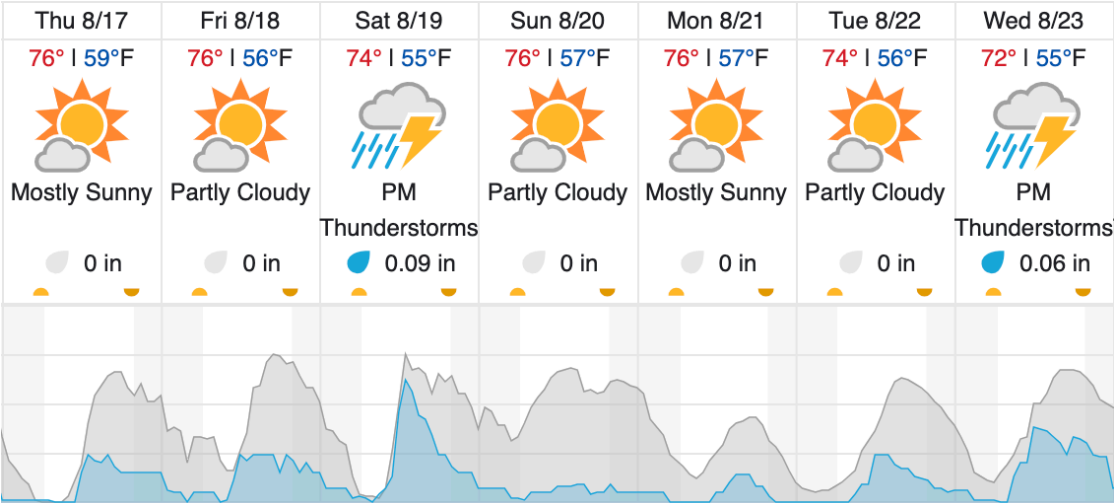
D13 | WLOU (West St. Louis Creek)

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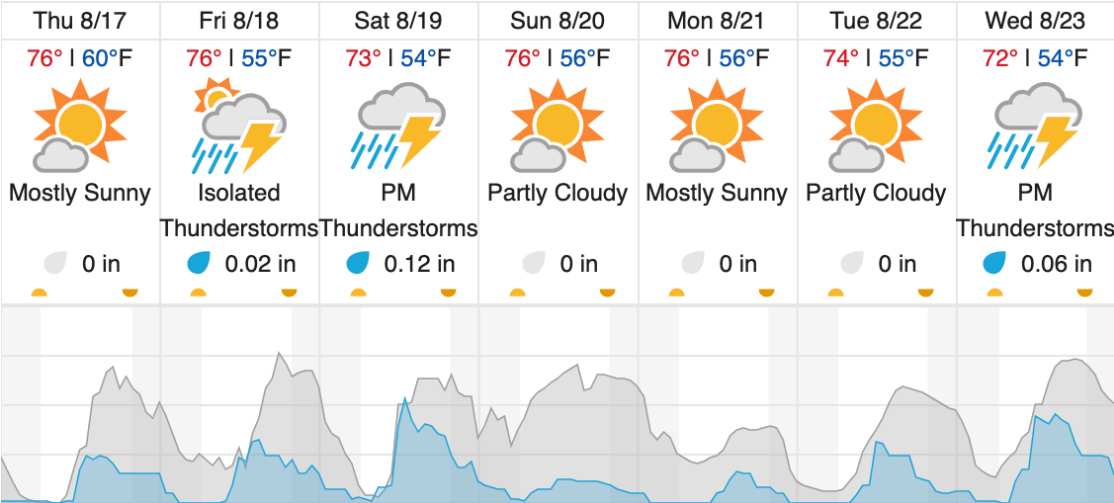
Flown: 0% (0/13)  
 Green: 0% (0/13)  
 Yellow: 0% (0/13)  
 Red: 0% (0/13)

Weather Forecast

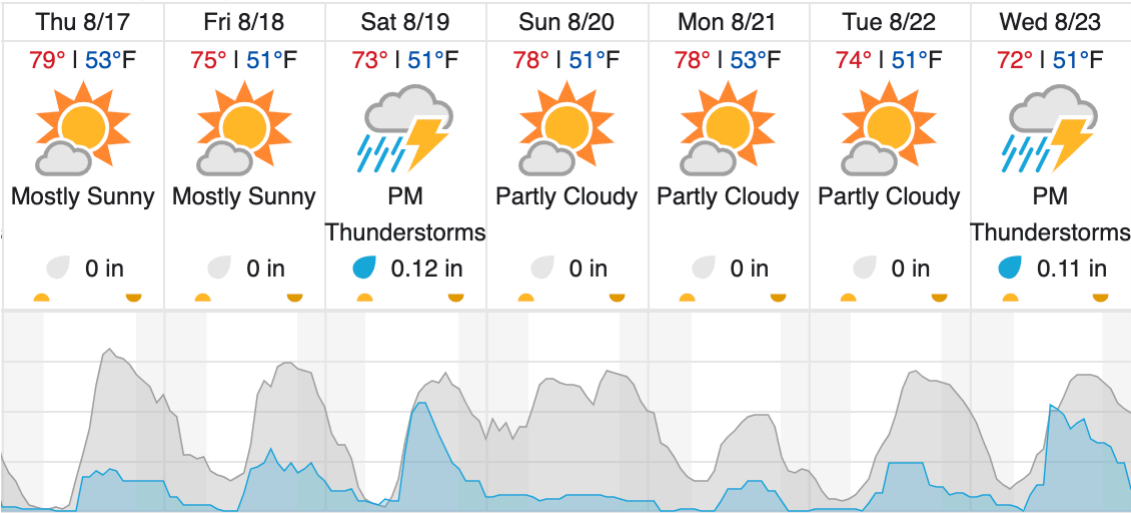
Nederland, CO (NIWO)



Allenspark, CO (RMNP)



Fraiser, CO (WLOU)



source: wunderground.com

Flight Collection Plan for August 17<sup>th</sup> 2023

Flyority 1

Collection Area: Niwot Ridge Mountain Research Station (NIWO)  
Flight Plan Name: D13\_NIWO\_C1\_P1\_v5\_Q780  
On-Station Time: 15:50 UTC / 09:50 L

Flyority 2

Collection Area: Rocky Mountain National Park (RMNP)  
Flight Plan Name: D10\_RMNP\_R2\_P1\_v2\_Q780  
On-Station Time: 15:50 UTC / 09:50 L

Flyority 3

Collection Area: West St. Louis Creek (WLOU)  
Flight Plan Name: D13\_WLOU\_A1\_P1\_Q780  
On-Station Time: 15:50 UTC / 09:50 L

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