



Payload 3 Daily Flight Report



Date: 2023-08-18

Flight Campaign ID: P3C1

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

Aircraft: N934MU

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

Sites Flown: None.

Days left in Domain: 8

Report Author: John

Lidar Operators: John

Spectrometer Operators: Mitch

Pilots: Will, Justin

Ground Crew: Cam

Flight Hours: 0.0

Hours until maintenance: 76.92

GPS Instruments: AOP_KBDU, AOP_NIWO

Summary

An active atmosphere produced clouds throughout the day across the region; we did not fly any missions.

Concerns

- None

Comments

- None

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

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)

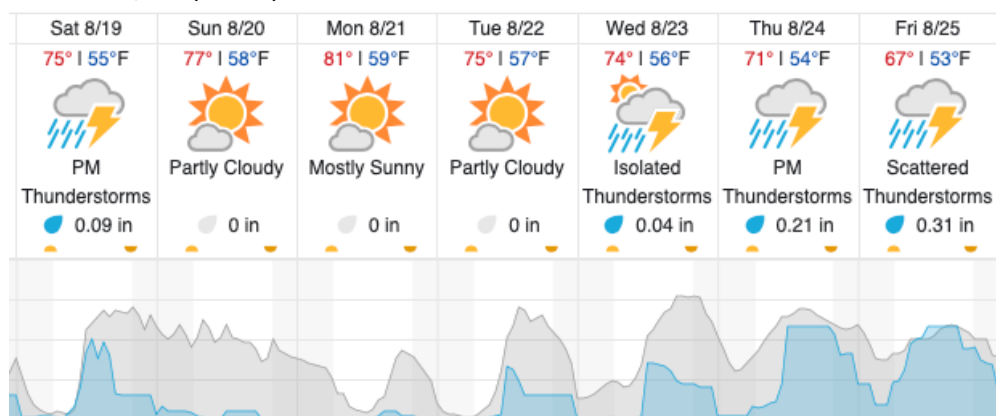
Green: 0% (0/13)

Yellow: 0% (0/13)

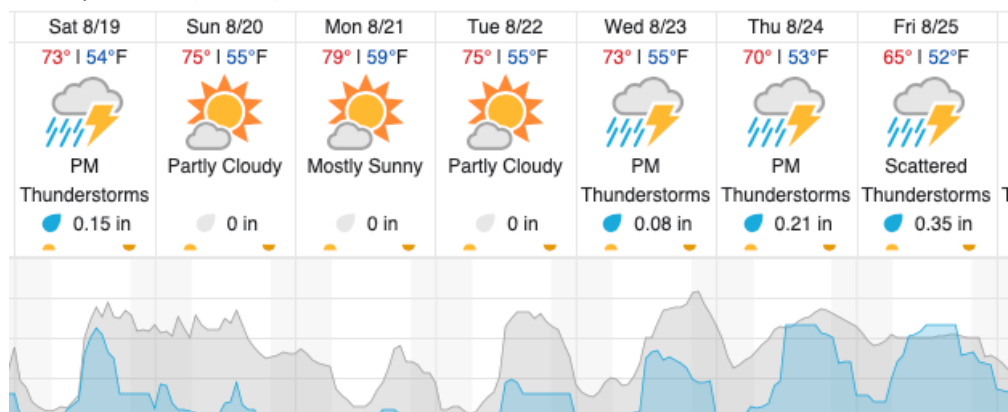
Red: 0% (0/13)

Weather Forecast

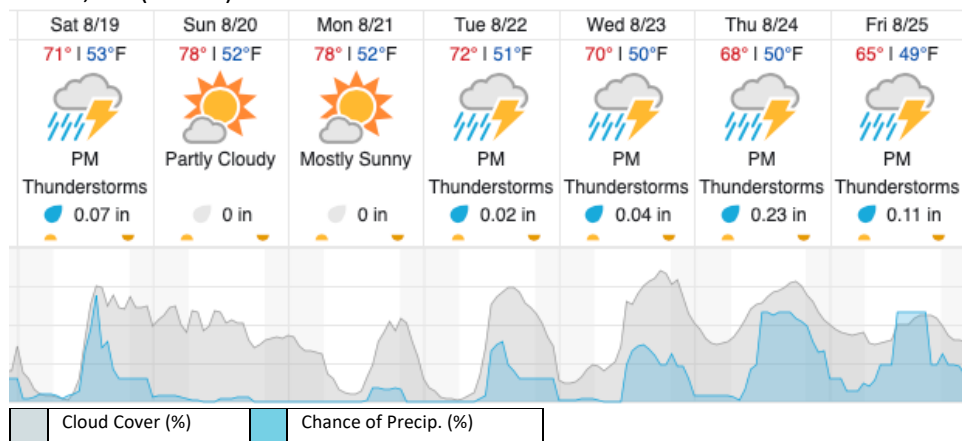
Nederland, CO (NIWO)



Allenspark, CO (RMNP)



Fraser, CO (WLOU)



source: wunderground.com

Flight Collection Plan for August 19th, 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: Cam (Lidar), Mitch (NIS), John (Ground)