



Payload 3 Daily Flight Report



Date: 2024-07-26
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: 32

Report Author: Cameron
Lidar Operators: Cameron **Flight Hours:** 00:00
Spectrometer Operators: Matt **Hours until maintenance:** 118.80
Pilots: Justin, Manning
Ground Crew: Nick

Summary

The smoke is slowly lifting in the region however clouds formed early and persisted through the day. No flight was conducted.

Concerns

- None

Comments

- Happy Birthday to pilot Justin!

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: 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: 4% (2/51)
 Green: 0% (0/51)
 Yellow: 0% (0/51)
 Red: 4% (2/51)

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)

D15|CTWD_P1 ()

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 ()

23	24	25	26	27	28	29
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Flown: 0% (0/7)
 Green: 0% (0/7)
 Yellow: 0% (0/7)
 Red: 0% (0/7)

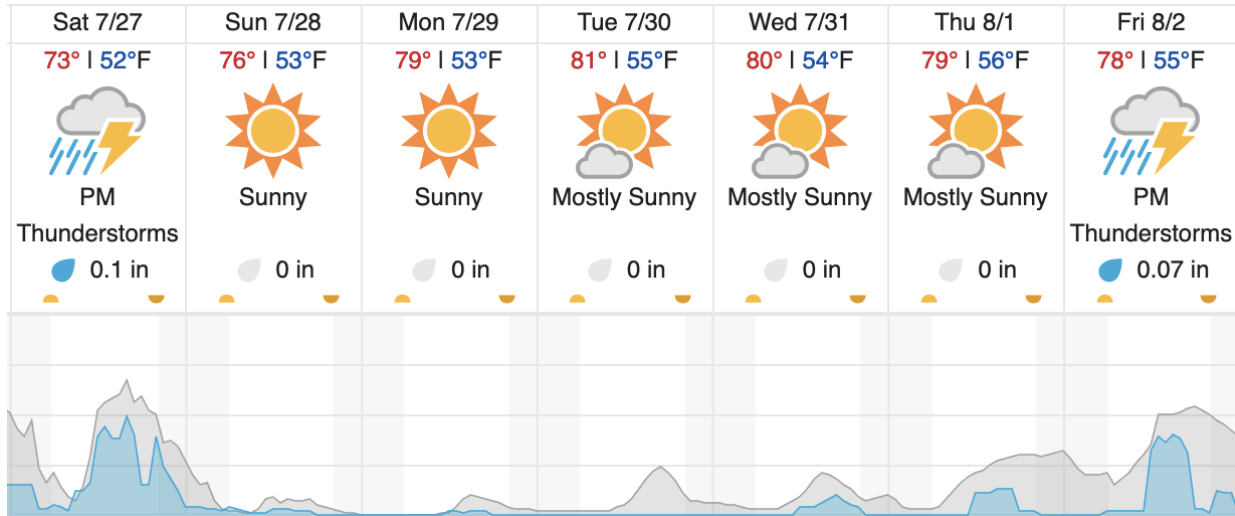
D15|CTWD_P3 ()

30	31	32	33	34	35	36	37	38	39	40	41	42
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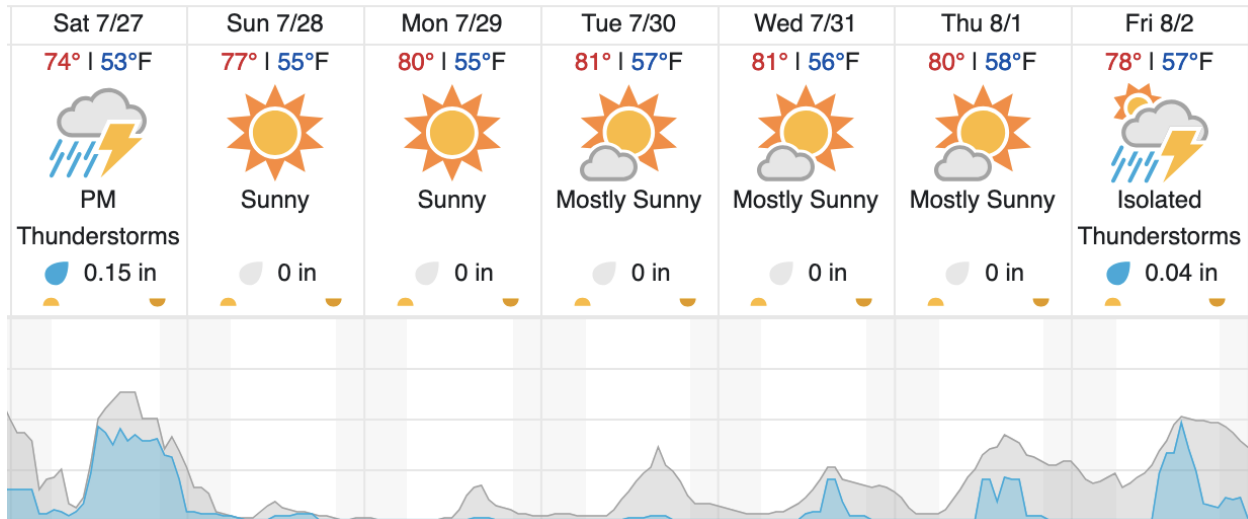
Flown: 0% (0/13)
 Green: 0% (0/13)
 Yellow: 0% (0/13)
 Red: 0% (0/13)

Weather Forecast

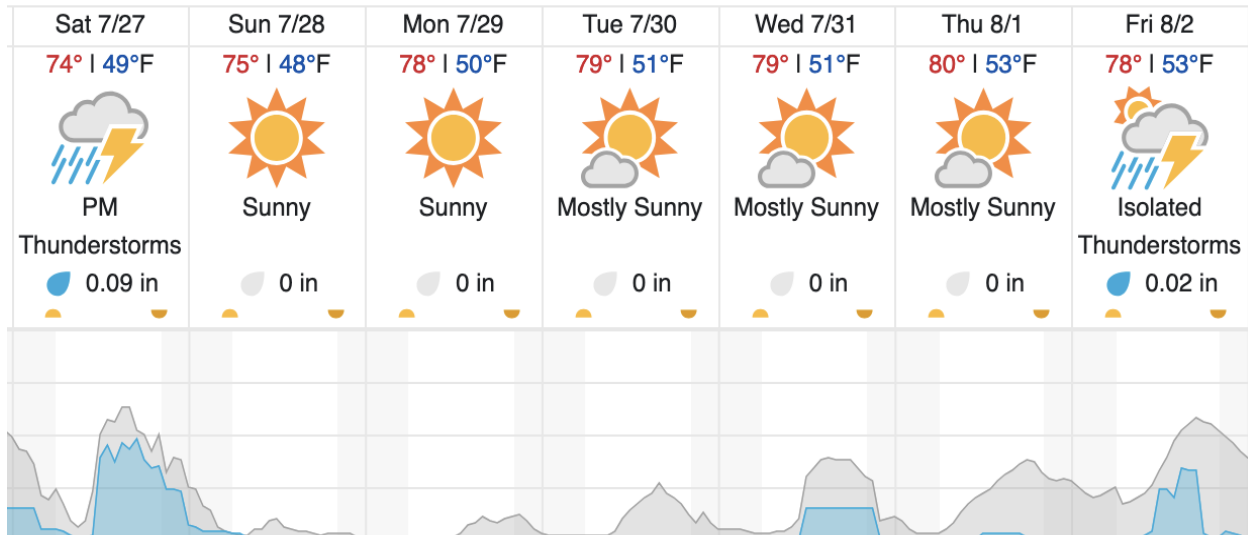
Allenspark, CO (RMNP)



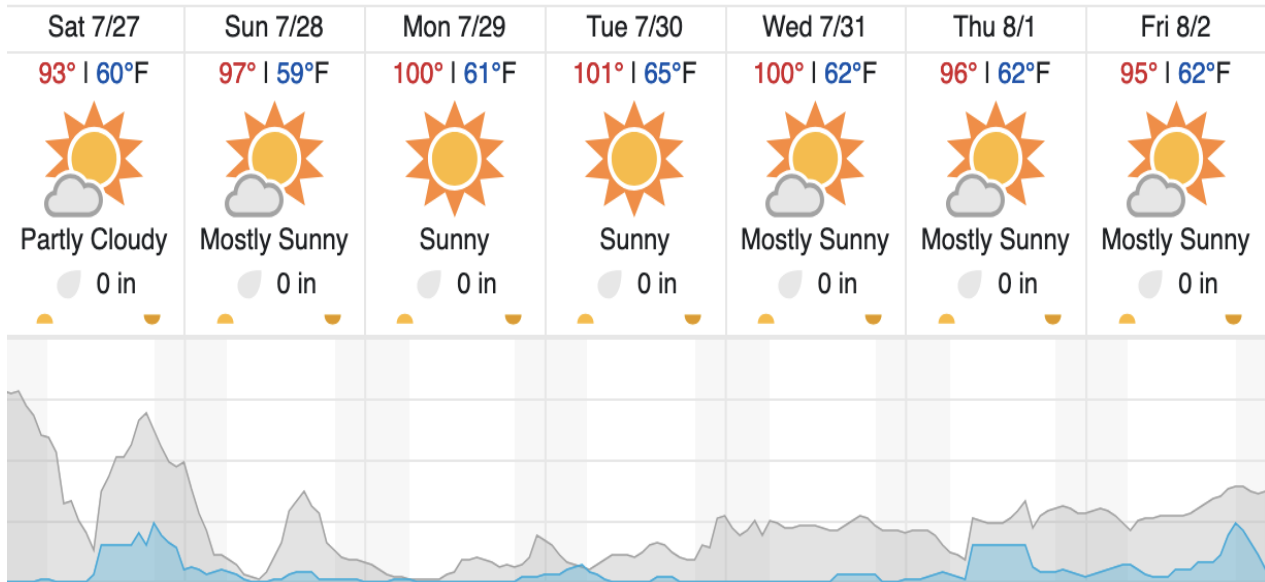
Nederland, CO (NIWO)



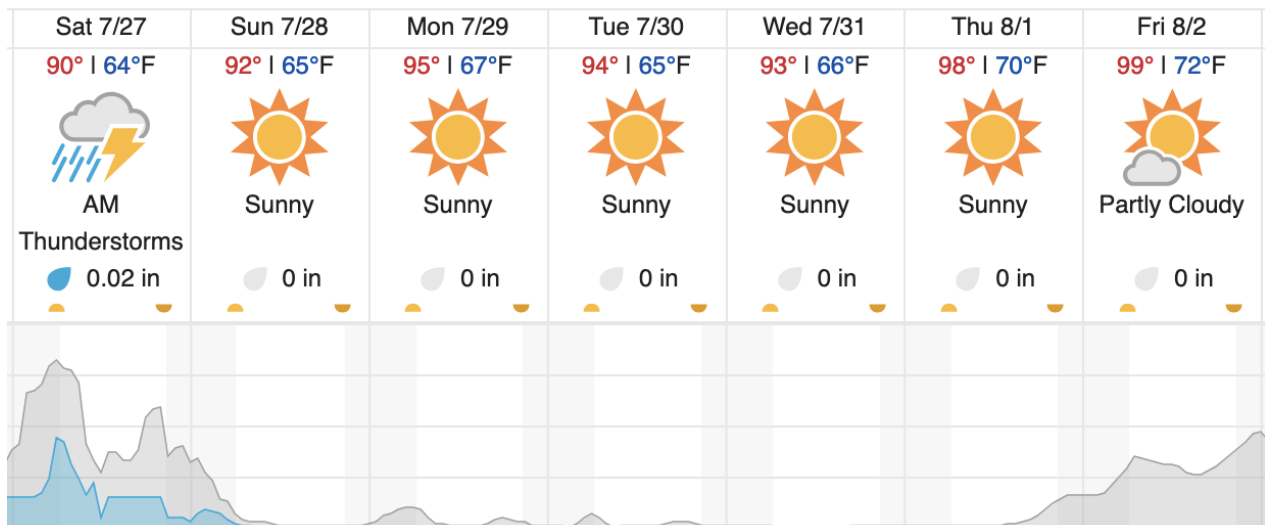
Fraser, CO (WLOU)



Joes, CO (ARIK)



Ogden, UT (CTWD)



source: wunderground.com

Flight Collection Plan for July 27, 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: 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 5

Collection Area: Northern Utah Priority 2 Flight Plan

Flight Plan Name: D15_CTWD_S1_P1_v1

On-station Time: 1520 UTC / 0920 L

Flyority 6

Collection Area: Northern Utah Priority 2 Flight Plan

Flight Plan Name: D15_CTWD_S1_P2_v1

On-station Time: 1520 UTC / 0920 L

Flyority 7

Collection Area: Northern Utah Priority 2 Flight Plan

Flight Plan Name: D15_CTWD_S1_P3_v1

On-station Time: 1520 UTC / 0920 L

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