

# Payload 3 Daily Flight Report



Date: 2024-07-21 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: 37

Report Author: CameronLidar Operators: CameronFlight Hours: 00:00Spectrometer Operators: MattHours until maintenance: 121.33Pilots: Justin, ManningGround Crew: Nick

## Summary

Cloudy morning skies across the Rockies and eastern plains gave way to afternoon isolated thunderstorms. No flights were conducted.

### Concerns

- None

### Comments

- None

### **Daily Coverage**

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

### 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)

Γ	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)

#### 14 1 2 3 4 5 6 7 8 9 10 11 12 13 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: 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
Flow	/n: (	)% (C	)/13)									
Gree	en: (	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	i: 0%	(0/2	2)																
Green	n: 0%	(0/2	2)																
Yellow	v: 0%	(0/2	2)																

Yellow: 0% (0/22) Red: 0% (0/22)

D15|CTWD\_P2()

 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()

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

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

## Weather Forecast

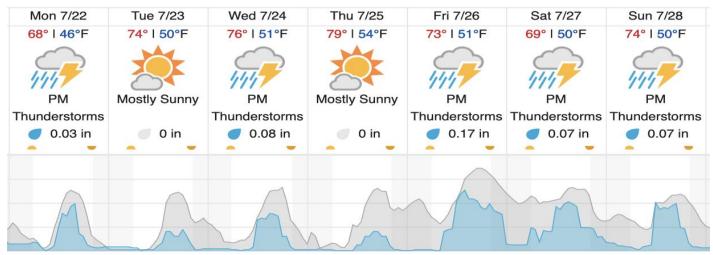
Allenspark, CO (RMNP)

Mon 7/22	Tue 7/23	Wed 7/24	Thu 7/25	Fri 7/26	Sat 7/27	Sun 7/28
66°   48°F	73°   52°F	76°   54°F	79°   57°F	75°   54°F	71° l 53°F	74°   53°F
1111		1111		1111	1111	1111
PM	Mostly Sunny	PM	Mostly Sunny	Thunderstorms		PM
Thunderstorms		Thunderstorms				Thunderstorms
<b>0.05 in</b>	0 in	0.04 in	0 in	<b>0.21</b> in	🥑 0.13 in	<b>0</b> .1 in

# Nederland, CO (NIWO)

Mon 7/22 67° I 49°F	Tue 7/23 73° I 54°F	Wed 7/24 76° I 55°F	Thu 7/25 80° l 59°F	Fri 7/26 76° l 56°F	Sat 7/27 72° I 55°F	Sun 7/28 75° l 54°F
PM	Mostly Sunny	PM	Mostly Sunny	PM	PM	PM
Thunderstorms		Thunderstorms				Thunderstorms 7
<b>0.04 in</b>	0 in	<ul> <li>0.02 in</li> </ul>	0 in	🥑 0.12 in	🥑 0.12 in	<ul> <li>0.08 in</li> </ul>

Fraser, CO (WLOU)



## Joes, CO (ARIK)

Mon 7/22 81°   55°F	Tue 7/23 88°   58°F	Wed 7/24 93°   61°F	Thu 7/25 94°   64°F	Fri 7/26 94°   64°F	Sat 7/27 92°   63°F	Sun 7/28 95°   63°F
Mostly Sunny	Mostly Sunny	Sunny	Sunny	Sunny	Partly Cloudy	Partly Cloudy
0 in						

## Ogden, UT (CTWD)

Mon 7/22	Tue 7/23	Wed 7/24	Thu 7/25	Fri 7/26	Sat 7/27	Sun 7/28
100°   72°F	100°   73°F	102°   76°F	95°   71°F	93°   67°F	92°   67°F	95°   68°F
			$\bigcirc$			
Mostly Sunny	Mostly Sunny	Mostly Sunny	Cloudy	Partly Cloudy	Mostly Sunny	Sunny
0 in	0 in	0 in	0 in	0 in	0 in	0 in
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#### Flight Collection Plan for July 22, 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), Nick (NIS), Cam (Ground)