

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: CameronLidar Operators: CameronFlight Hours: 00:00Spectrometer Operators: MattHours until maintenance: 118.80Pilots: Justin, ManningGround 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							
Flow	n: 0%	(0/33)											-						
Gree	n: 0%	(0/33)																	
Vollo	M: 0%	(0/22	۱																

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)

13 1 2 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 20 21 24 22 23 25

Flown: 100% (25/25) Green: 100% (25/25) Yellow: 0% (0/25) Red: 0% (0/25)

D13 | NIWO (Niwot Ridge Mountain Research Station)

		•		0						,									
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

 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	2)																
Green	: 0%	(0/2	2)																
Yellow	<i>v</i> : 0%	(0/2	2)																
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	<i>v</i> : 0%	(0/13)									
Red:	0% (0,	/13)										

Weather Forecast Allenspark, CO (RMNP)

Sat 7/27	Sun 7/28	Mon 7/29	Tue 7/30	Wed 7/31	Thu 8/1	Fri 8/2
73° 52°F	76° 53°F	79° 53°F	81° 55°F	80° 54°F	79° 56°F	78° 55°F
PM	Sunny	Sunny	Mostly Sunny	Mostly Sunny	Mostly Sunny	PM
Thunderstorms	0 in	0 in	0 in	0 in	0 in	Thunderstorms
0 .1 in	0 in	0 in	0 in	0 in	0 in	 0.07 in

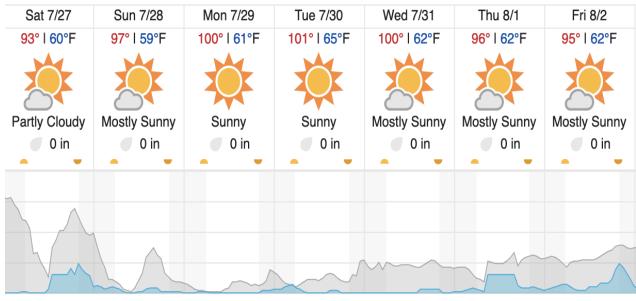
Nederland, CO (NIWO)

Sat 7/27	Sun 7/28	Mon 7/29	Tue 7/30	Wed 7/31	Thu 8/1	Fri 8/2
74° 53°F	77° 55°F	80° 55°F	<mark>81° 57°</mark> F	81° 56°F	80° 58°F	78° 57°F
PM	Sunny	Sunny	Mostly Sunny	Mostly Sunny	Mostly Sunny	Isolated
Thunderstorms						Thunderstorms [·]
🥑 0.15 in	0 in	0 in	🖉 0 in	🖉 0 in	🖉 0 in	🥑 0.04 in

Fraser, CO (WLOU)

Sat 7/27 74° I 49°F M Thunderstorms 0.09 in	Sun 7/28 75° I 48°F Sunny 0 in	Mon 7/29 78° I 50°F Sunny 0 in	Tue 7/30 79° I 51°F Mostly Sunny 0 in	Wed 7/31 79° I 51°F Mostly Sunny 0 in	Thu 8/1 80° I 53°F Mostly Sunny 0 in	Fri 8/2 78° I 53°F John Stated Isolated Thunderstorms 0.02 in

Joes, CO (ARIK)



Ogden, UT (CTWD)

Sat 7/27	Sun 7/28	Mon 7/29	Tue 7/30	Wed 7/31	Thu 8/1	Fri 8/2
90° 64°F	92° 65°F	95° 67°F	<mark>94° 65°</mark> F	93° 66°F	98° 70°F	99° 72°F
1111	*	*	*	*	*	
AM	Sunny	Sunny	Sunny	Sunny	Sunny	Partly Cloudy
Thunderstorms						
0.02 in	0 in	0 in	0 in	0 in	0 in	0 in
Cloud Cover (%)	Chance of	of Precip. (%)				

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)