

# Payload 3 Daily Flight Report



Date: 2023-08-10 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: 16

Report Author: MitchLidar Operators: MitchFlight Hours: 00:00Spectrometer Operators: NickHours until maintenance: 90.77Pilots: Justin, JonGround Crew: Matt

### Summary

High stratocumulus layer covered the region this morning, eventually moving eastward and dissipating but quickly replaced by building cumulus clouds. Convection continued into the afternoon, with isolated showers appearing over the divide and mountain regions. No flights were conducted.

Concerns

None

### Comments

None

### **Cumulative Domain Coverage**

### D10 ARIK (Arikaree River)

		,	(/ ·····	aree		• /														
Γ	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Γ	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35					
( }	Green 'ellow	: 0%	(0/35) (0/35) (0/35 (35)													•				

### D10 | RMNP (Rocky Mountain National Park)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Γ	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
F	Flown: 28% (11/39)																			
Ģ	Freen	: 21%	(8/39	)																
Y	ellow	<i>ı</i> : 8%	(3/39	)																
F	Red: 0% (0/39)																			

### D13 | NIWO (Niwot Ridge Mountain Research Station)

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	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% (2/52) Green: 0% (0/52) Yellow: 4% (2/52) Red: 0% (0/52)

### D13 | WLOU (West St. Louis Creek)

 1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
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 14

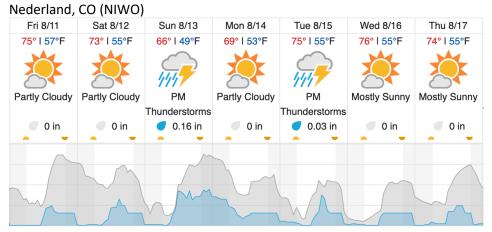
 Flown:
 0% (0/14)

 Green:
 0% (0/14)

 Yellow:
 0% (0/14)

 Red:
 0% (0/14)

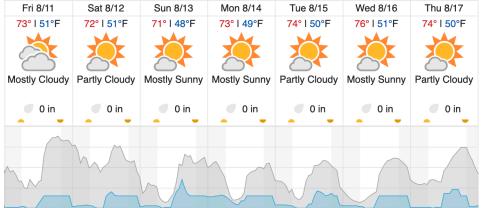
# Weather Forecast



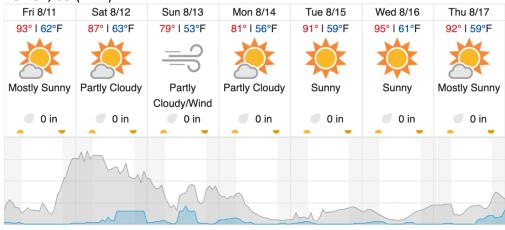
### Allenspark, CO (RMNP)

Fri 8/11	Sat 8/12	Sun 8/13	Mon 8/14	Tue 8/15	Wed 8/16	Thu 8/17
74°   55°F	71°   53°F	<mark>64°   48°</mark> F	68°   52°F	74°   54°F	75°   53°F	74°   53°F
×	1111	111	×	1111	×	×
Partly Cloudy	PM	PM	Partly Cloudy	PM	Mostly Sunny	Partly Cloudy
	Thunderstorms	Thunderstorms		Thunderstorms		
🖉 0 in	🥑 0.04 in	🥑 0.16 in	🖉 0 in	🥑 0.02 in	🖉 0 in	🖉 0 in

### Fraser, CO (WLOU)



#### Vernon, CO (ARIK)



	Cloud Cover (%)		Chance of Precip. (%)							
sou	source: wunderground.com									

## Flight Collection Plan for August 11th<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

### Flyority 4

Collection Area: Arikaree River (ARIK) Flight Plan Name: D10\_ARIK\_A1\_P2\_v3\_Q780 On-Station Time: 15:40 UTC / 09:40 L

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