



## Payload 3 Daily Flight Report



**Date:** 2025-07-10

**Flight Campaign ID:** P3C1

**Airport, FBO ID, City:** Rush City Regional Airport (KROS) - Rush City, MN; Dickinson-Theodore Roosevelt Regional Airport (KDIK) - Dickinson, ND; Bozeman Yellowstone International Airport (KBZN) - Belgrade, MT; Wausau Downtown Airport (KAUW) - Wausau, WI

**Aircraft:** N821AR

**Domain:** 00,12 (Transit)

**Sites Flown:** Transit ()

**Days left in Domain:** 11

**Report Author:** Cameron

**Lidar Operators:** Cameron **Flight Hours:** 02:55:00, 02:38:00, 01:28:00

**Spectrometer Operators:** **Hours until maintenance:** 49.90

**Pilots:** Justin, Troy

**Ground Crew:** Mitch

### Summary

The crew successfully transited from D05 Wausau to D12 Bozeman today. Early this morning, a thunderstorm system required a diversion and an unscheduled landing. After the weather cleared, the crew completed the transit with one additional fuel stop. Upon arrival, TOIL's maintenance crew promptly began the 125 EMMA inspection, which is expected to take two days. The payload will be restarted following maintenance.

### Concerns

- None

### Comments

- RAID 05 & 06 Shipped back to Boulder

### Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

Pictures

Diverting for inclement weather near St. Cloud MN



Cumulative Domain Coverage

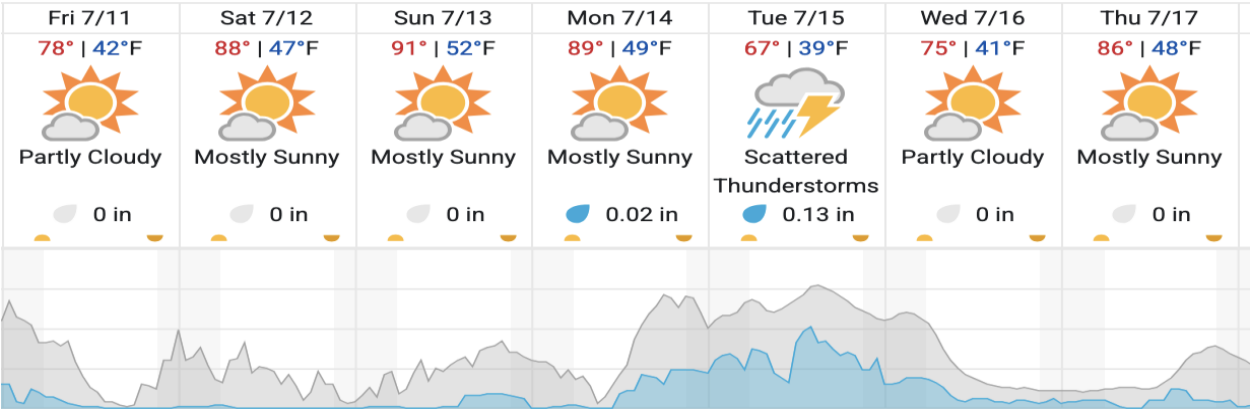
D12|YELL (Yellowstone Northern Range)

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	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85															

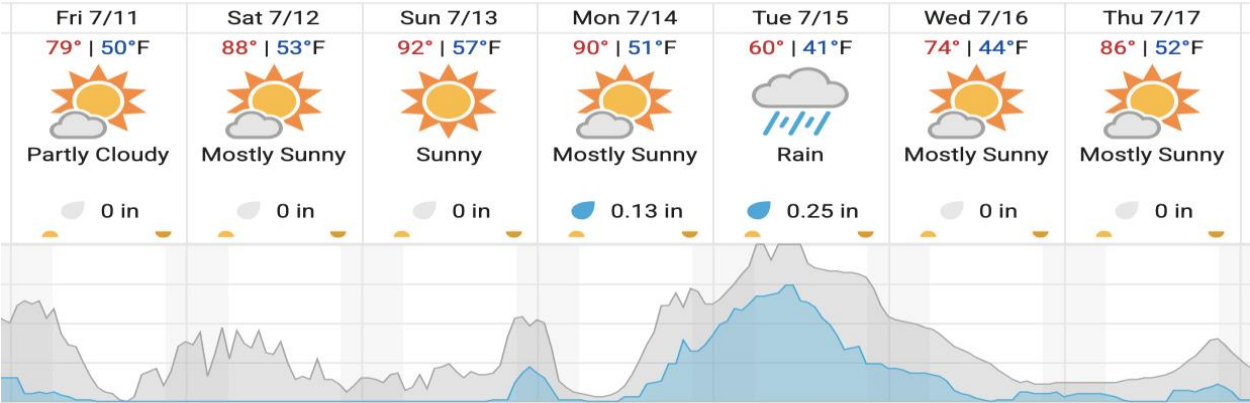
Flown: 0% (0/85)  
Green: 0% (0/85)  
Yellow: 0% (0/85)  
Red: 0% (0/85)  
\* Flown within 35deg solar angle

Weather Forecast

Gardiner, MT (YELL)



Bozeman, MT (FBO)



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

Flight Collection Plan for July 11, 2025

Flyority 1

Collection Area: Yellowstone Northern Range (YELL)

Flight Plan Name: D12\_YELL\_C1\_P1\_v3\_Q780

On-Station Time: 15:50 UTC/ 09:50 L

Crew: Mitch (Lidar), Cameron (NIS)