



## Payload 2 Daily Flight Report



**Date:** 2025-06-08

**Flight Campaign ID:** P2C1

**Airport, FBO ID, City:** Bismarck Municipal Airport (KBIS) - Bismarck, ND

**Aircraft:** N615AR

**Domain:** 09 (Northern Plains)

**Sites Flown:** None.

**Days left in Domain:** 18

**Report Author:** John

**Lidar Operators:** John

**Flight Hours:** 00:00

**Spectrometer Operators:** Alyssa

**Hours until maintenance:** 79.10

**Pilots:** Vince, Jacob

**Adt'l Flight Crew:** Elissa

### Summary

Cloudy skies and a very brisk wind kept us from flying either site today.

### Concerns

None.

### Comments

The crew replaced the AXE Ground Power switch, but it did not fix the problem of GPU power being shunted directly to the Master Circuit. Testing of both the original and the replacement switches, using a voltmeter, indicated both physical switches were in working order. John leaves Bismarck tomorrow morning.

### Cumulative Domain Coverage

#### Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

#### D09 | NOGP (Northern Great Plains )

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														

Flown: 0% (0/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 0% (0/26)

\* Flown within 35deg solar angle

## D09|WOOD\_DCFS (Woodworth and Dakota Coteau Field School )

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						

Flown: 0% (0/54)

Green: 0% (0/54)

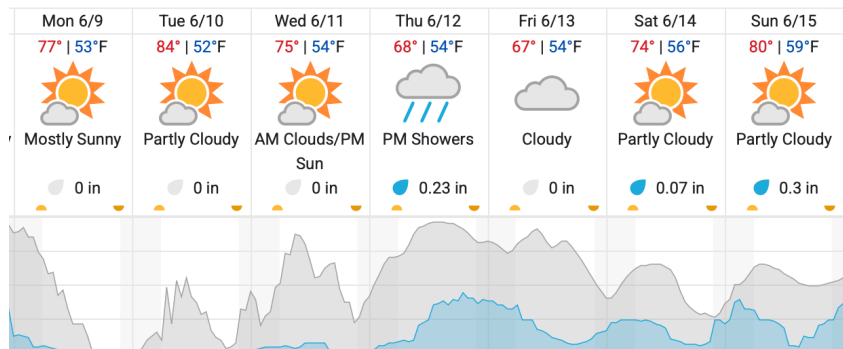
Yellow: 0% (0/54)

Red: 0% (0/54)

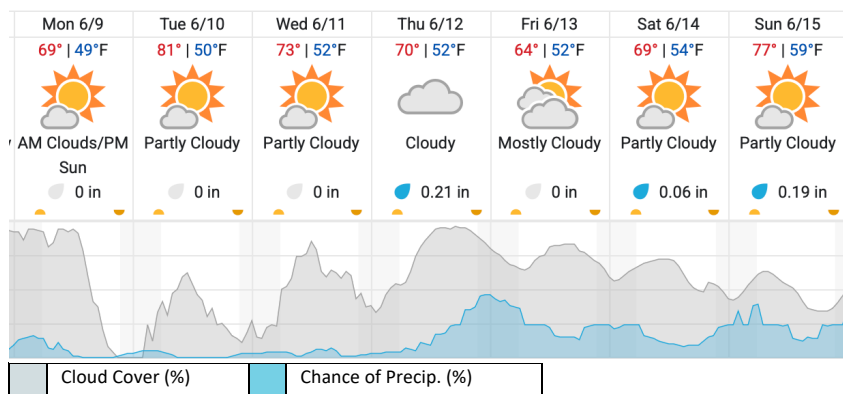
\* Flown within 35deg solar angle

## Weather Forecast

### Bismarck, ND (NOGP)



### Jamestown, ND (WOOD)



Cloud Cover (%)      Chance of Precip. (%)

source: wunderground.com

## Flight Collection Plan for June 9<sup>th</sup>, 2025

### Flyority 1

Northern Great Plains (NOGP)

Flight Plan Name: D09\_NOGP\_R2\_P1\_v3\_VQ780

On-Station Time: (35 degrees): 1440 UTC / 0940 L

### Flyority 2

Collection Area: Woodworth (WOOD) – Dakota Coteau Field School (DCFS)

Flight Plan Name: D09\_WOOD\_DCFS\_C1\_P1\_v5\_VQ780

On-Station Time: (35 degrees): 1430 UTC / 0930 L

### Flyority 3

Lidar training flight.

**Crew:** Elissa (lidar), Alyssa (NIS)