



## Payload 2 Daily Flight Report



**Date:** 2025-06-14

**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:** 12

**Report Author:** Alyssa

**Lidar Operators:** **Flight Hours:** 00:00

**Spectrometer Operators:** **Hours until maintenance:** 79.10

**Pilots:** Vince, Jacob

**Ground Crew:** Elissa, Alyssa

### Summary

Pumping NIS down throughout the day, cooling was not started as e<sup>-</sup>6 was not reached.

### Concerns

### Comments

Plan is to begin cooling in the morning, whether e<sup>-</sup>6 has been reached or not.

### Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (\*)

### Cumulative Domain Coverage

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)

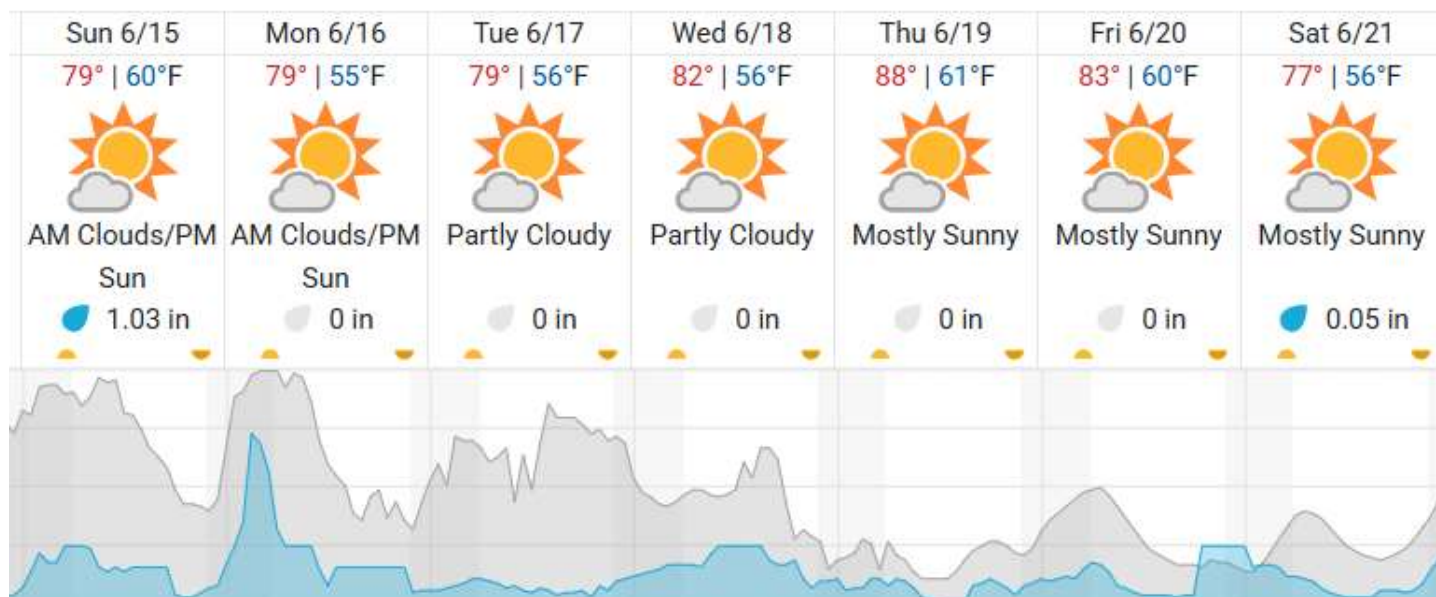
Yellow: 0% (0/54)

Red: 0% (0/54)

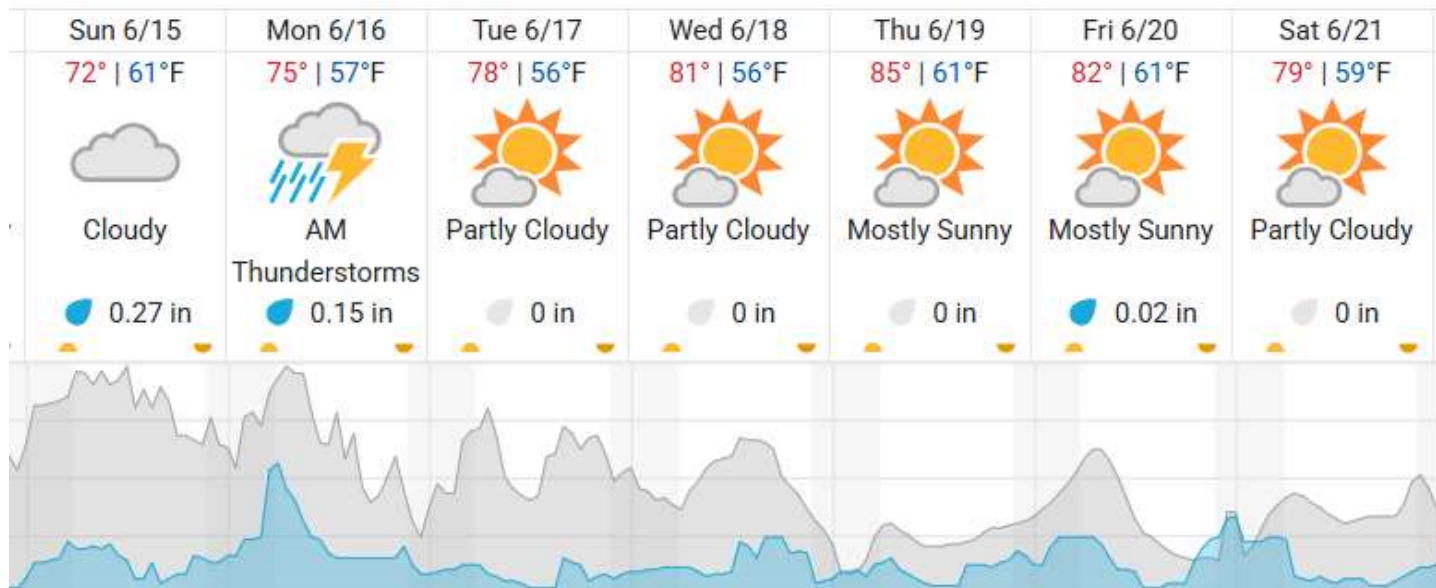
\* Flown within 35deg solar angle

## Weather Forecast

Bismarck, ND (NOGP)



Jamestown, ND (WOOD, DCFS)



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

### **Flight Collection Plan for 15 June 2025**

- Continue pumping down NIS chamber
- Re-activate getter
- Begin cooling in morning

### **Flight Collection Plan for 16 June 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)