



Payload 1 Daily Flight Report



Date: 2026-06-25

Flight Campaign ID: P1C1

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

Aircraft: N537AR

Domain: 09 (Northern Plains)

Sites Flown: NOGP (Northern Great Plains), WOOD_DCFS (Woodworth and Dakota Coteau Field School)

Days left in Domain: 8

Report Author: John

Lidar Operators: John

Spectrometer Operators: Cameron

Pilots: Manning, Jeff

Flight Hours: 01:32

Hours until maintenance: 81.62

GPS Instruments: AOP_WOOD, S-NDBM

Summary

Today we were able to complete NOGP under Green conditions, but after moving on to WOOD, experienced numerous clouds at or below our flight altitude.

Concerns

None.

Comments

UPDU power supply and the digitizer both worked well this flight, no issues.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D09|NOGP

Line #	23	24	25	26
Lidar	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓
Camera	✓	✓	✓	✓
Cloud Cover				

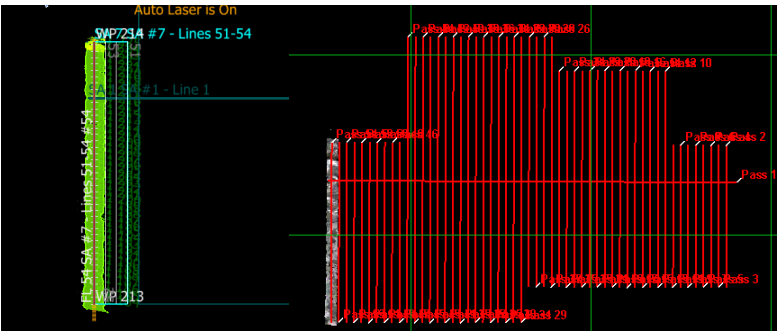
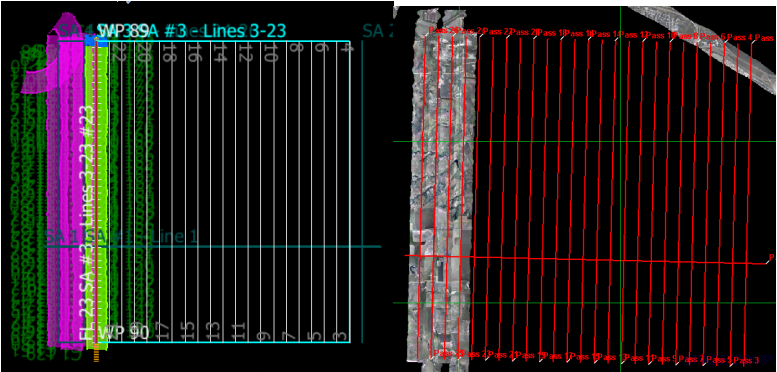
Total number of lines flown: 4

D09|WOOD_DCFS

Line #	54
Lidar	✓
Spectrometer	✓
Camera	✓
Cloud Cover	

Total number of lines flown: 1

Flight Screenshots



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*														

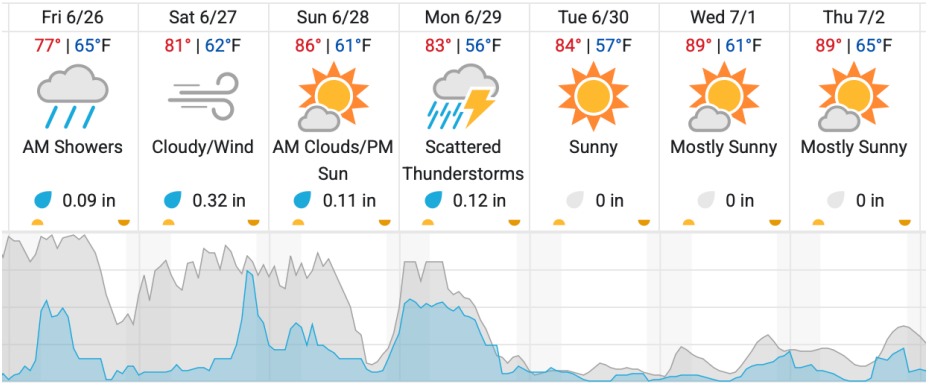
Flown: 100% (26/26)
Green: 100% (26/26)
Yellow: 0% (0/26)
Red: 0% (0/26)
* Flown within 35deg solar angle

D09|WOOD_DCFS (Woodworth and Dakota Coteau Field School)

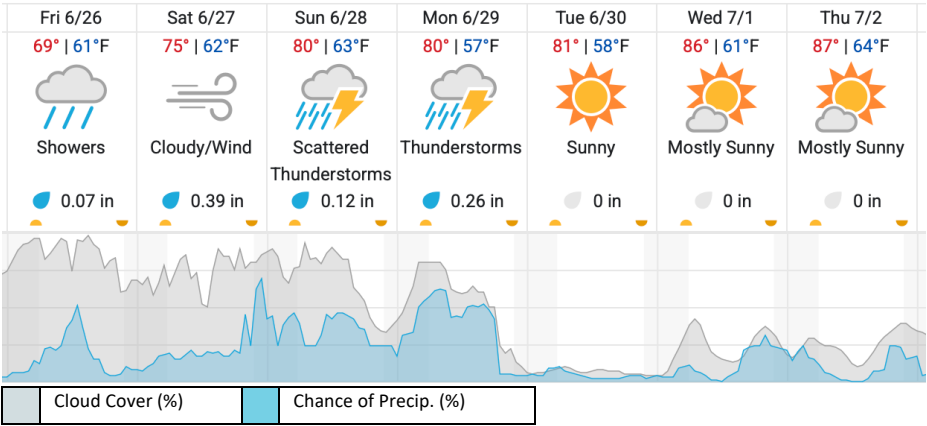
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54						

Flown: 26% (14/54)
Green: 0% (0/54)
Yellow: 7% (4/54)
Red: 17% (9/54)
* Flown within 35deg solar angle

Weather Forecast
Bismarck, ND (NOGP)



Woodworth, ND (WOOD/DCFS)



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

Flight Collection Plan for 26 June 2026

Flyority 1

Site: Woodworth (WOOD) – Dakota Coteau Field School (DCFS) *lines 3-4, 14-18, 24-53*

Flight Plan Name: D09_WOOD_DCFS_C1_P1_v6_PRM.xml

Solar Angle Time: 09:30L/14:30UTC

Crew: Cameron (Lidar), John (NIS)