



Payload 3 Daily Flight Report



Date: 2023-06-29

Flight Campaign ID: P3C1

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

Aircraft: N934MU

Domain: 09 (Northern Plains)

Sites Flown: WOOD_DCFS (Woodworth and Dakota Coteau Field School)

Days left in Domain: 4

Report Author: Nick

Lidar Operators: Nick

Spectrometer Operators: Cameron

Pilots: Justin, Jon

Flight Hours: 03:53

Hours until maintenance: 121.12

GPS Instruments: 02 - KBIS, AOP_WOOD

Summary

Today a tour for domain 09 staff was conducted before heading out to collect WOOD_DCFS. The DCFS priority lines were completed under green conditions. Sky conditions shifted to yellow, and the crew focused on non-priority lines. A total of 22 lines were collected.

Concerns

Disk Set 7 was set aside for lab use.

Comments

None.

Daily Coverage

Estimated Cloud Cover Key

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

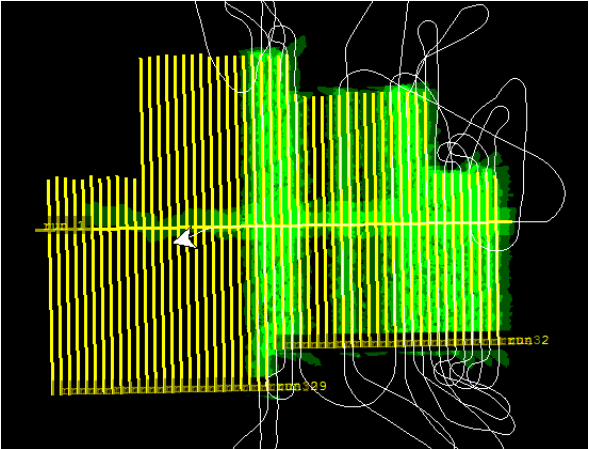
D09|WOOD_DCFS

Line #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	19	20	25	26	27	28
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover		Yellow	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Yellow	Green	Green	Green	Green

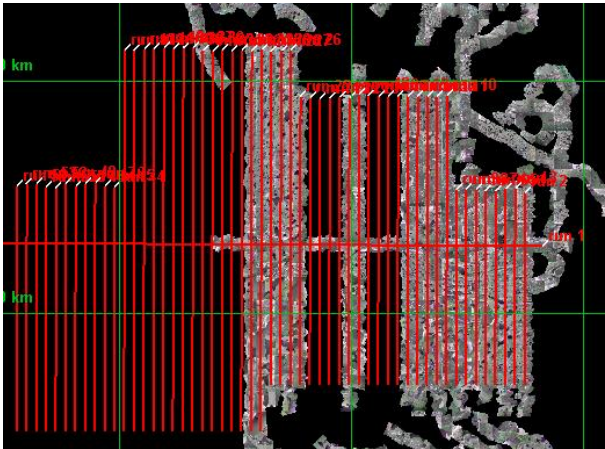
Line #	29	30
Lidar	✓	✓
Spectrometer	✓	✓
Camera	✓	✓
Cloud Cover		

Total number of lines flown: 22

Flight Screenshots



Lidar screenshot 2023062914



NIS screenshot 2023061914

Pictures



The D09 staff tour Payload 3.

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: 0% (0/26)

Yellow: 0% (0/26)

Red: 100% (26/26)

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: 56% (30/54)

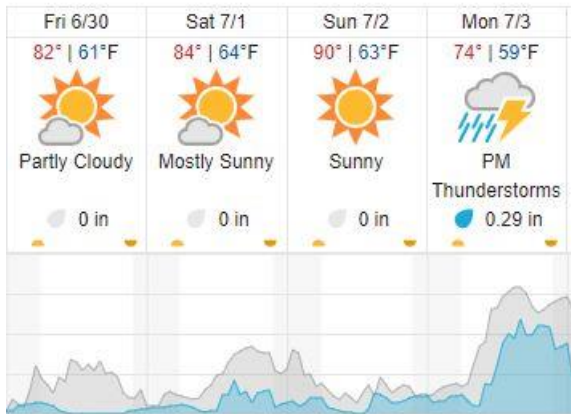
Green: 37% (20/54)

Yellow: 19% (10/54)

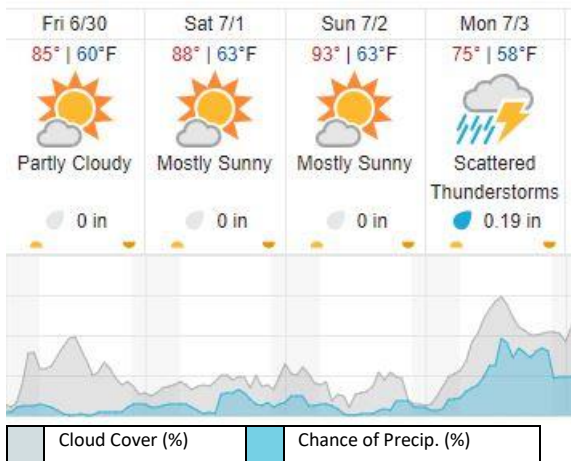
Red: 0% (0/54)

Weather Forecast

Woodworth, ND (DCFS, WOOD)



Bismarck, ND (NOGP)



source: wunderground.com

Flight Collection Plan for June 2023

Flyority 1

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

Flight Plan Name: D09_WOOD_DCFS_C1_P1_v4_Q780

On-Station Time: 15:00 UTC/ 10:00 L

Flyority 2 (If Green)

Collection Area: Northern Great Plains (NOGP)

Flight Plan Name: D09_NOGP_R2_P1_v2_Q780

On-Station Time: 15:10 UTC/ 10:10 L

Crew: Cameron (Lidar), Nick (NIS)