



Payload 3 Daily Flight Report



Date: 2023-06-30

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: 3

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 03:36

Spectrometer Operators: Nick

Hours until maintenance: 117.52

Pilots: Justin, Jon

GPS Instruments: 02 - KBIS, AOP_WOOD

Summary

With only a few days remaining in D09, the crew decided to collect the remaining lines at WOOD_DCFS in mixed “yellow/Red” sky conditions. This completes initial coverage of all flightlines in D09.

Concerns

- None

Comments

- The FBO GPS will be moved tomorrow due to encroaching construction near the unit.

Daily Coverage

Estimated Cloud Cover Key

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

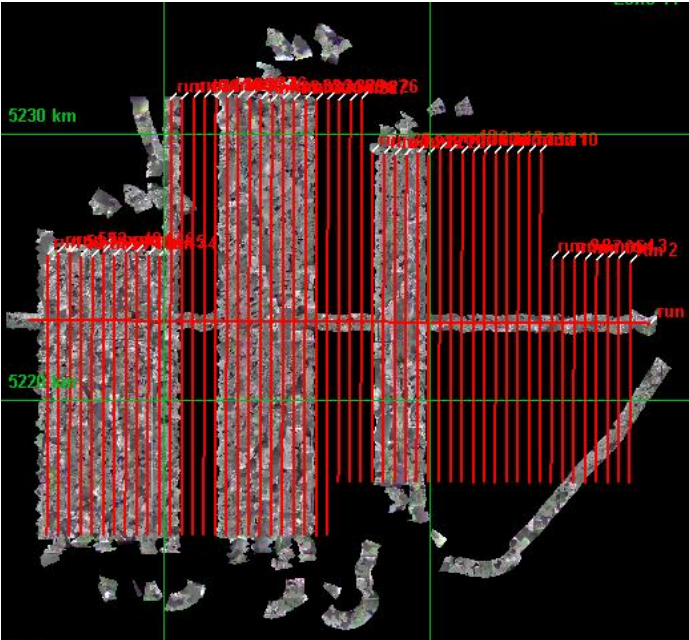
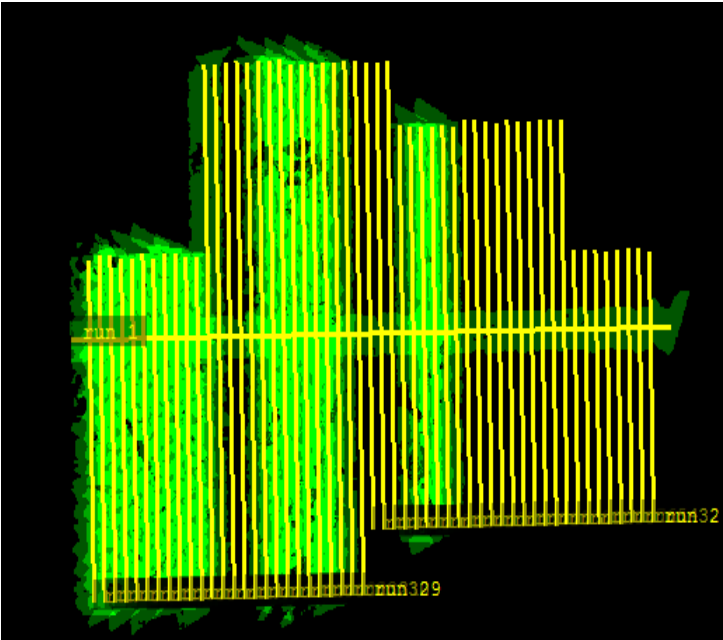
D09|WOOD_DCFS

Line #	21	22	23	24	31	32	33	34	35	36	37	38	43	44	45	46	47	48	49	50
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	51	52	53	54
Lidar	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓
Camera	✓	✓	✓	✓
Cloud Cover				

Total number of lines flown: 24

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: 0% (0/26)
Yellow: 0% (0/26)
Red: 100% (26/26)

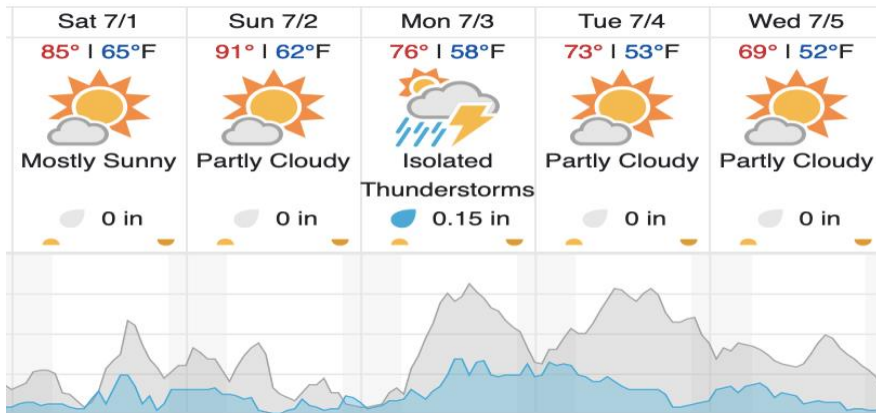
D09|WOOD_DCFS (Woodworth and Dakota Coteau Field School)

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						

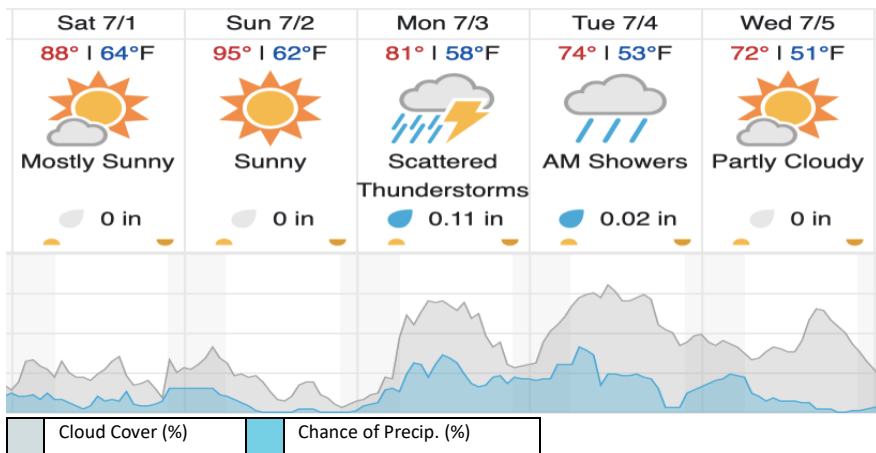
Flown: 100% (54/54)
Green: 37% (20/54)
Yellow: 31% (17/54)
Red: 31% (17/54)

Weather Forecast

Woodworth, ND (DCFS, WOOD)



Bismarck, ND (NOGP)



source: wunderground.com

Flight Collection Plan for July 1, 2023

Flyority 1 (If Green)

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: Nick (Lidar), Cameron (NIS)