



Payload 2 Daily Flight Report



Date: 2020-06-24

Flight Campaign ID: P2C1

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

Domain: 09 (Northern Plains)

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

Days left in Domain: 8

Report Author: Robb Walker

Lidar Operators: Robb Walker

Flight Hours: 3:14, 3:12

Spectrometer Operators: Michael Wussow

Hours until maintenance: 83.40

Pilots: Stephen Brawders, Will Matthews

GPS Instruments: 02 - FBO_KBIS, AOP_WOOD

Summary

Payload-2 crew started the day early hoping to get green conditions on NOGP starting at 35 deg. sun angle, but were met with lingering clouds at site. Green conditions at WOOD-DCFS allowed collection of all priority airshed lines under green conditions on first flight, and most of TOS priority lines under yellow/red conditions on second flight.

Concerns

None

Comments

None

Daily Coverage

Estimated Cloud Cover Key

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

D09|WOOD_DCFS

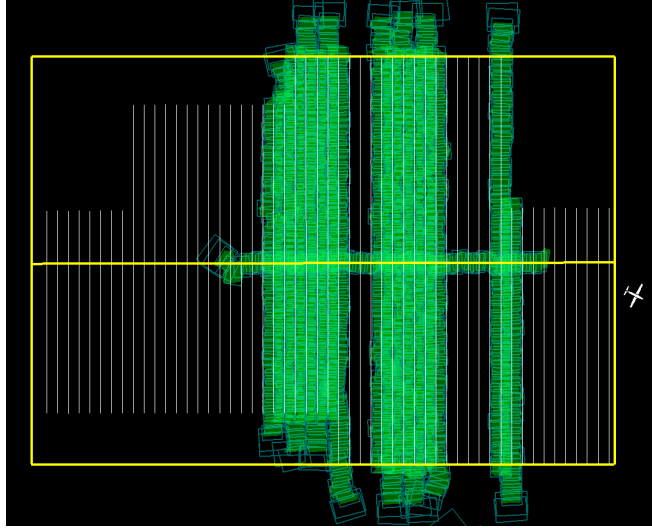
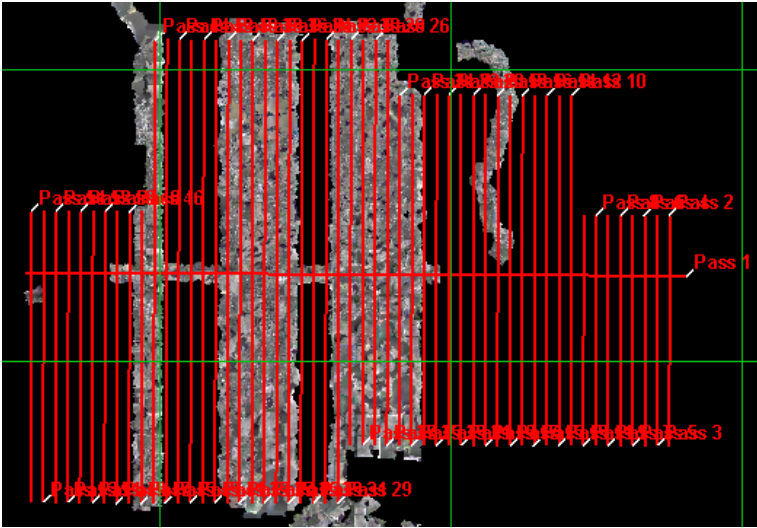
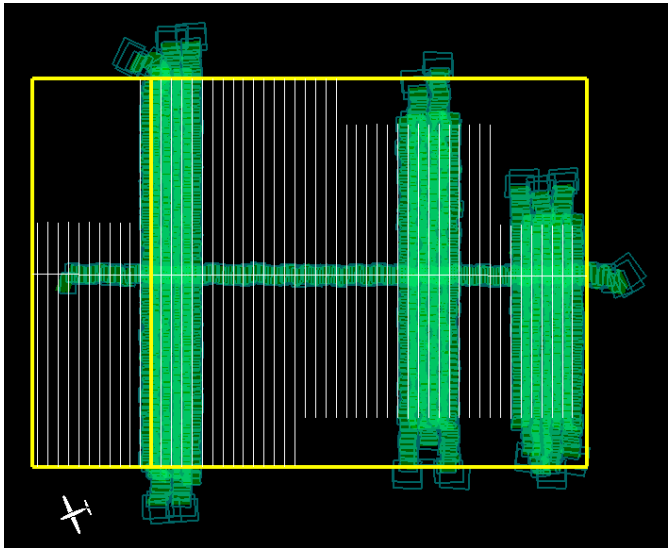
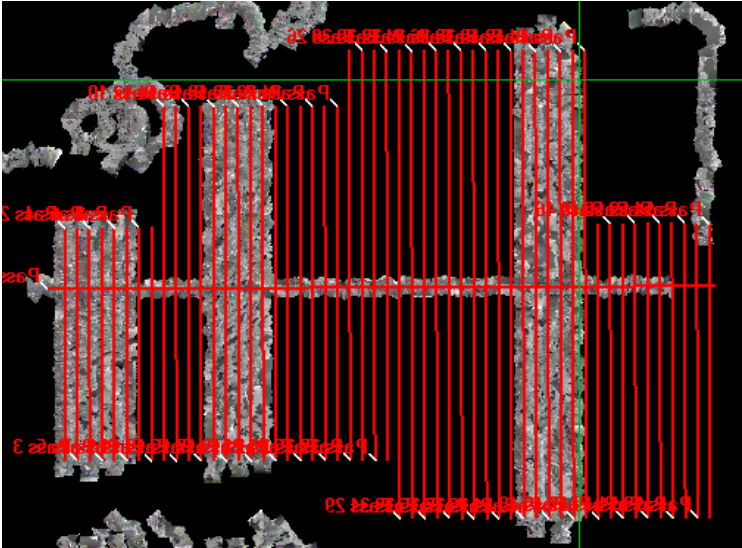
Line #	2	3	4	5	6	7	14	15	16	17	18	39	40	41	42	43
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																

Total number of lines flown: 16

Line #	23	24	25	26	27	28	29	33	34	35	36	37	38	44	45
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover															

Total number of lines flown: 15

Flight Screenshots



NIS

LIDAR

Pictures



Sky over WOOD on second flight

Cumulative Domain Coverage

D09 | N09A (D09 Nominal Runway)

1

Flown: 100% (1/1)

Green: 0% (0/1)

Yellow: 0% (0/1)

Red: 100% (1/1)

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: 4% (1/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 4% (1/26)

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: 81% (44/54)

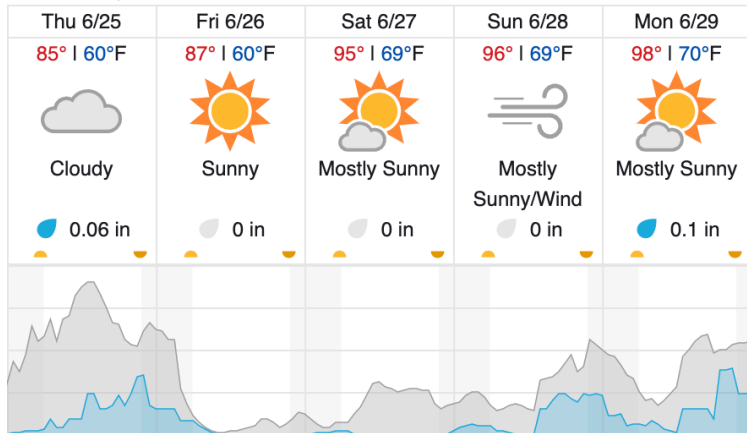
Green: 31% (17/54)

Yellow: 17% (9/54)

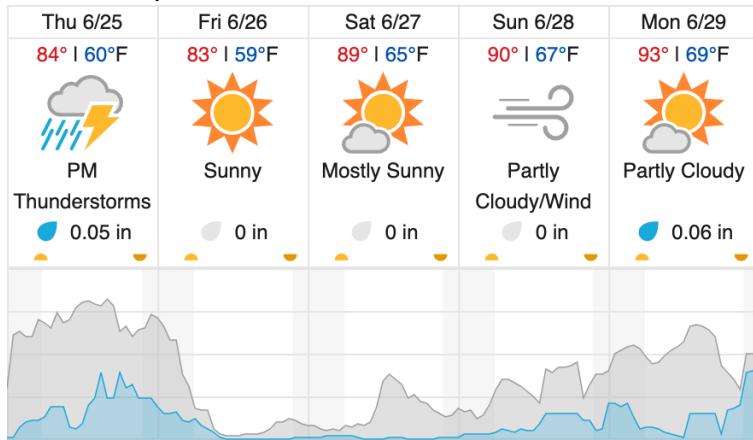
Red: 33% (18/54)

Weather Forecast

Bismarck, ND



Woodworth, ND



	Cloud Cover (%)		Chance of Precip. (%)
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Flight Collection Plan for 25-26 June 2020

Flyority 1

Collection Area: Northern Great Plains (NOGP)

Flight Plan Name: D09_NOGP_R2_P1_v1.pln

On-station Time: 1010 – 1720 Local / 1510 – 2220 UTC

Flyority 2

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

Flight Plan Name: D09_WOOD_DCFS_C1_P1_v3.pln

On-station Time: 1000 – 1720 Local / 1500 – 2220 UTC