



Payload 2 Daily Flight Report



Date: 2020-06-15

Flight Campaign ID: P2C1

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

Domain: 09 (Northern Plains)

Sites Flown: N09A (D09 Nominal Runway), WOOD_DCFS (Woodworth and Dakota Coteau Field School)

Days left in Domain: 17

Report Author: Michael Wussow

Lidar Operators: Michael Wussow

Flight Hours: 03:02

Spectrometer Operators: Robb Walker

Hours until maintenance: 91.40

Pilots: Stephen Brawders, Will Matthews

GPS Instruments: 02 - FBO_KBIS, AOP_WOOD

Summary

Sunny skies in the morning and a break in the windy conditions allowed the crew to begin chipping away at the large WOOD_DCFS box and to also collect the Nominal Runway.

Concerns

Automated sky condition photo system was up and running prior to flights this morning, but the "tour" function was disrupted from an unknown cause around 11am CT. Cause of this issue will be investigated.

Comments

12 lines at WOOD_DCFS and the one line of the Nominal Runway plan were collected

Daily Coverage

Estimated Cloud Cover Key

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

D09|WOOD_DCFS

Line #	30	31	32	46	47	48	49	50	51	52	53	54
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover												

Total number of lines flown: 12

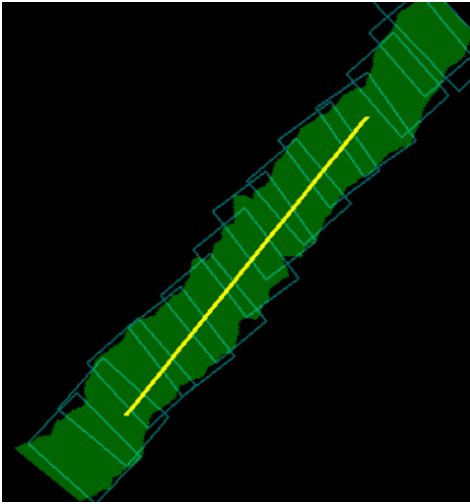
D09|N09A

Line #	1
Lidar	✓
Spectrometer	✓
Camera	✓
Cloud Cover	■

Total number of lines flown: 1

Flight Screenshots

N09A

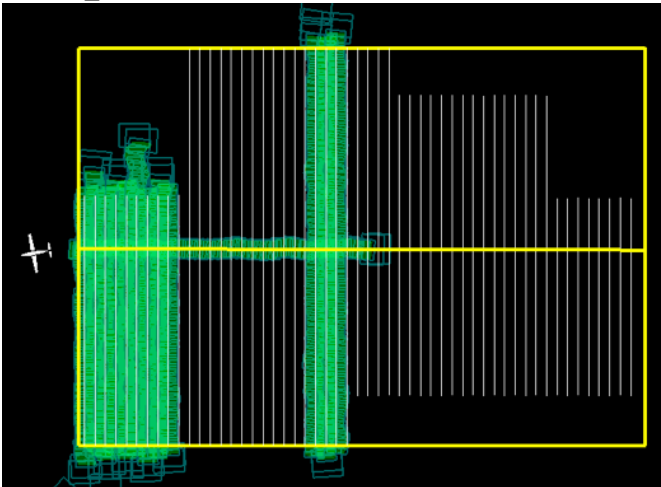


Lidar

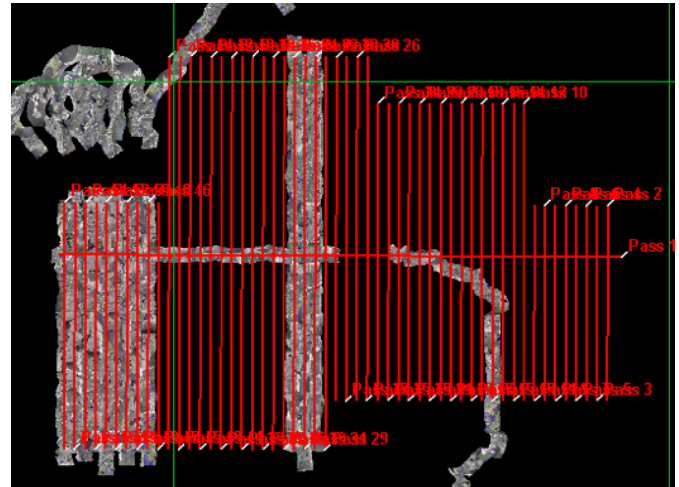


NIS

WOOD_DCFS



Lidar



NIS

Pictures



Sunny skies gave way to cloud coverage over WOOD.

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

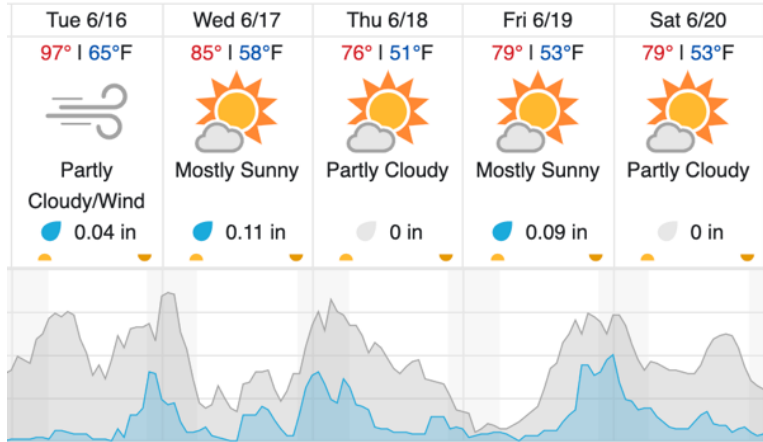
D09 | WOOD_DCFS (Woodworth and Dakota Coteau Field School)

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						

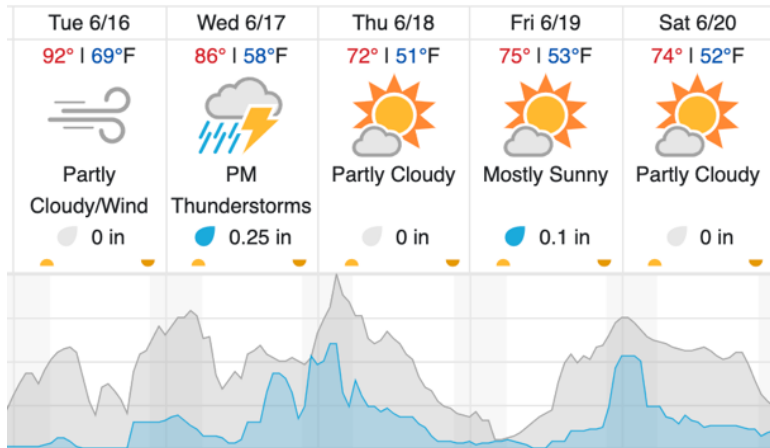
Flown: 24% (13/54)
 Green: 0% (0/54)
 Yellow: 0% (0/54)
 Red: 0% (0/54)

Weather Forecast

Bismarck, ND



Woodworth, ND



Cloud Cover (%)	Chance of Precip. (%)
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Flight Collection Plan for 16-18 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