



Payload 2 Daily Flight Report



Date: 2020-07-02
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: 0

Report Author: Michael Wussow
Lidar Operators: Michael Wussow **Flight Hours:** 03:28
Spectrometer Operators: Robb Walker **Hours until maintenance:** 73.00
Pilots: Chad Evans, Stephen Brawders **GPS Instruments:** 02 - FBO_KBIS, AOP_WOOD

Summary

Clear but windy skies this morning allowed for one last collect at DCFS_WOOD before tomorrow's departure to Broomfield, CO. Fifteen lines were collected under "green" conditions. This concludes data collection for 2020 in D09.

Concerns

None

Comments

- Wind was a factor in today's flight (50kts), pushing survey speeds above nominal for S-N lines. See flight logs.
- Crew will be departing early in the AM to try and catch window of good weather to Boulder
- The Pony Express case was shipped to the D12 hotel in Bozeman
- AOP GPS_02 and associated equipment was shipped to the PIF
- AOP GPS_02 will need to be set up upon arrival in Boulder for today's data to be uploaded
- P2C1_RAID_04 will be shipped from Boulder after this evening's extraction
- AOP GPS_04 was set up at KBZN in D12 today

Daily Coverage

Estimated Cloud Cover Key

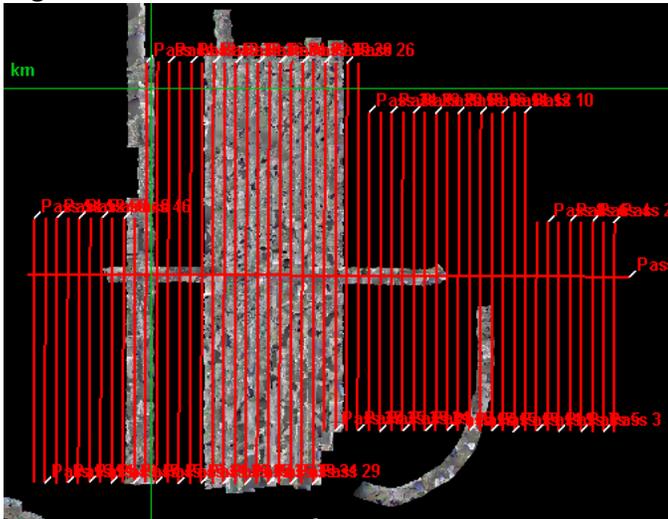
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D09|WOOD_DCFS

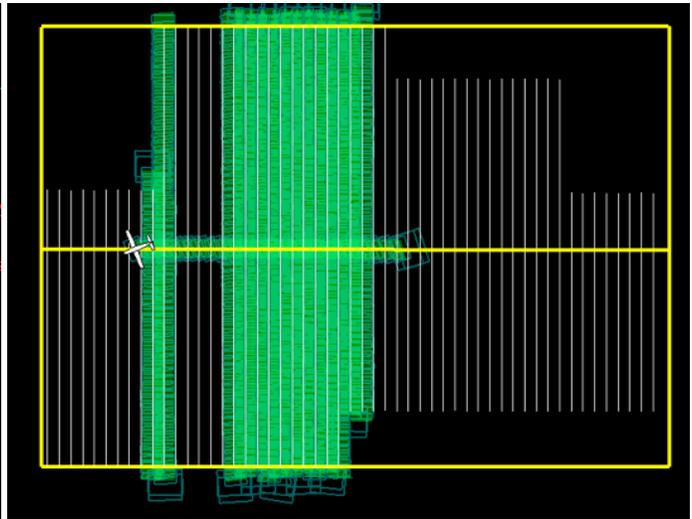
Line #	1	27	28	29	30	31	32	33	34	35	36	37	38	44	45
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover															

Total number of lines flown: 15

Flight Screenshots



NIS



Lidar

Pictures



Clear but hazy skies over DCFS_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														

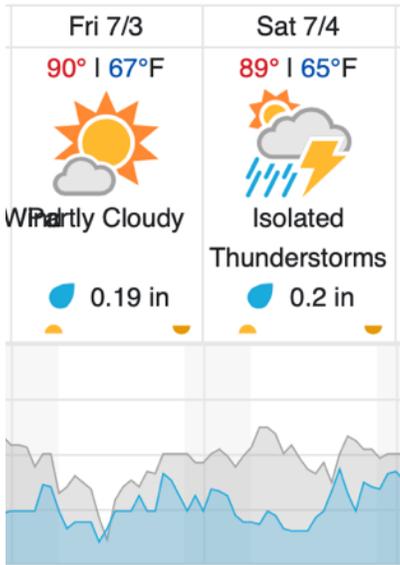
Flown: 100% (26/26)
 Green: 88% (23/26)
 Yellow: 12% (3/26)
 Red: 0% (0/26)

D09|WOOD_DCFS (Woodworth and Dakota Coteau Field School)

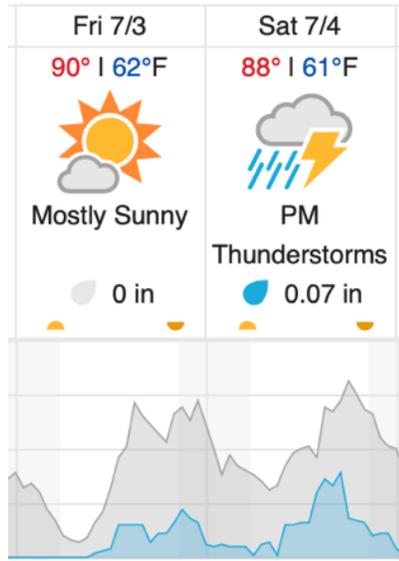
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54						

Flown: 100% (54/54)
 Green: 57% (31/54)
 Yellow: 0% (0/54)
 Red: 43% (23/54)

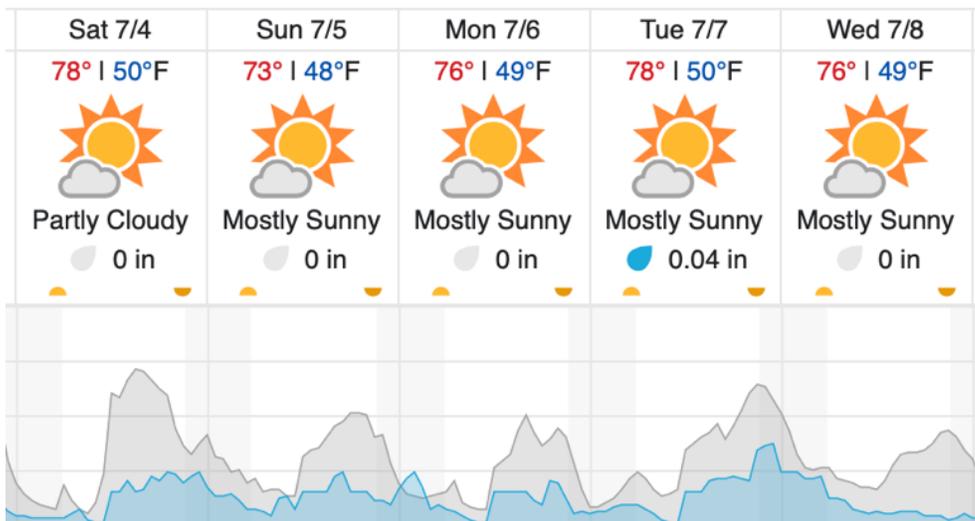
Weather Forecast
Bismarck, ND



Broomfield, CO



Bozeman, MT



	Cloud Cover (%)		Chance of Precip. (%)
--	-----------------	--	-----------------------

Flight Plan for 03-04 July 2020

July 3 – Transit from Bismarck, ND (KBIS) to Broomfield, CO (KBJC)
Crew: Michael Wussow and Robb Walker

July 4 – Transit from Broomfield, CO (KBJC) to Bozeman, MT (KBZN)
Crew: Ivana Vu