



Payload 2 Daily Flight Report



Date: 2020-06-23

Flight Campaign ID: P2C1

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

Domain: 09 (Northern Plains)

Sites Flown: NOGP (Northern Great Plains)

Days left in Domain: 9

Report Author: Michael Wussow

Lidar Operators: Michael Wussow

Spectrometer Operators: Robb Walker **Hours until maintenance:** 89.83

Pilots: Stephen Brawders, Will Matthews **GPS Instruments:** 02 - FBO_KBIS, AOP_WOOD

Summary

Skies teased us again today with clear conditions holding until right at sun angle for NOGP. One line was collected before clouds developed too extensively at survey altitude and remained low. Request for a 35 solar angle start has been approved for remaining days in D09 with the forecast not looking promising for truly clear days.

Concerns

None

Comments

The one line collected today will not be extracted at this point and a refly of the line is planned.

Daily Coverage

Estimated Cloud Cover Key

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

D09|NOGP

Line #	26
Lidar	✓
Spectrometer	✓
Camera	✓
Cloud Cover	

Total number of lines flown: 1

Pictures



Sky at takeoff



30 minutes after takeoff

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)

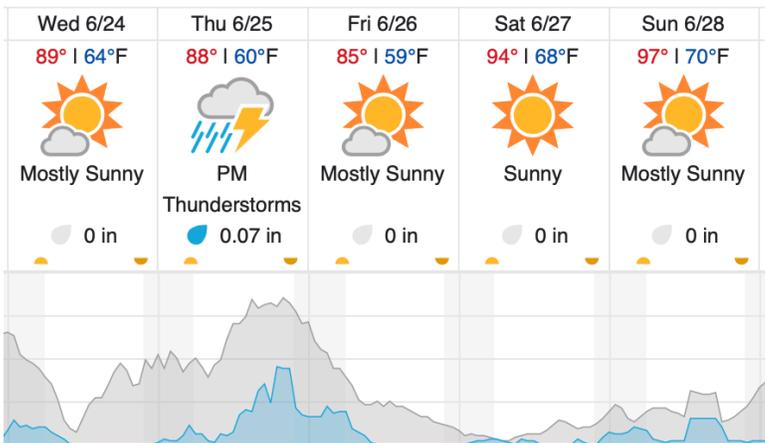
D09 | WOOD_DCFS (Woodworth and Dakota Coteau Field School)

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							

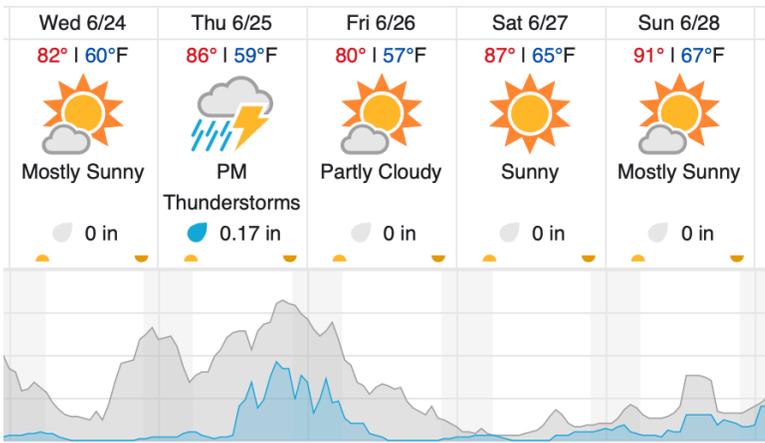
Flown: 24% (13/54)
 Green: 0% (0/54)
 Yellow: 0% (0/54)
 Red: 24% (13/54)

Weather Forecast

Bismarck, ND



Woodworth, ND



Cloud Cover (%)	Chance of Precip. (%)
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Flight Collection Plan for 24-25 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