



July 27, 2019 Payload 3 Daily Flight Report



Date: 2019-07-27

Flight Campaign ID: 2019_P3C1

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

Domain: 09

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

Days left in Domain: 4

Report Author: Cameron Chapman

Flight Crew: Cameron Chapman, Nick Marusich

Ground/GPS: Cameron Chapman, Nick Marusich

Pilots: Dylan Malfatti, Paul Nunemann

Additional Personnel: None

GPS Instruments: 00 - WOOD_DCFS, 03 - FBO_KBIS

Flight Hours: 02:05

Hours until maintenance: 79.05

Summary

Clear skies in the morning allowed for the collection of 5 priority line over the WOOD site before clouds rolled in.

Concerns

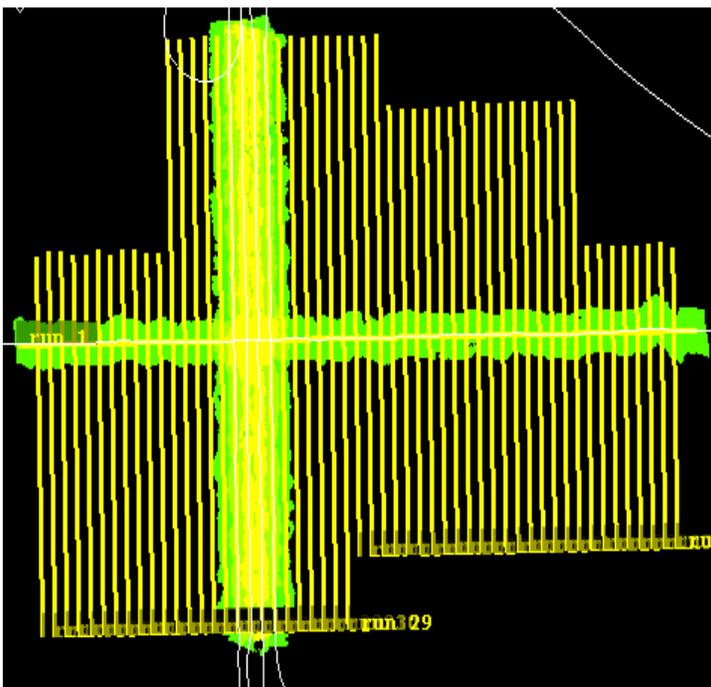
Ongoing QA issues with D16 data.

Comments

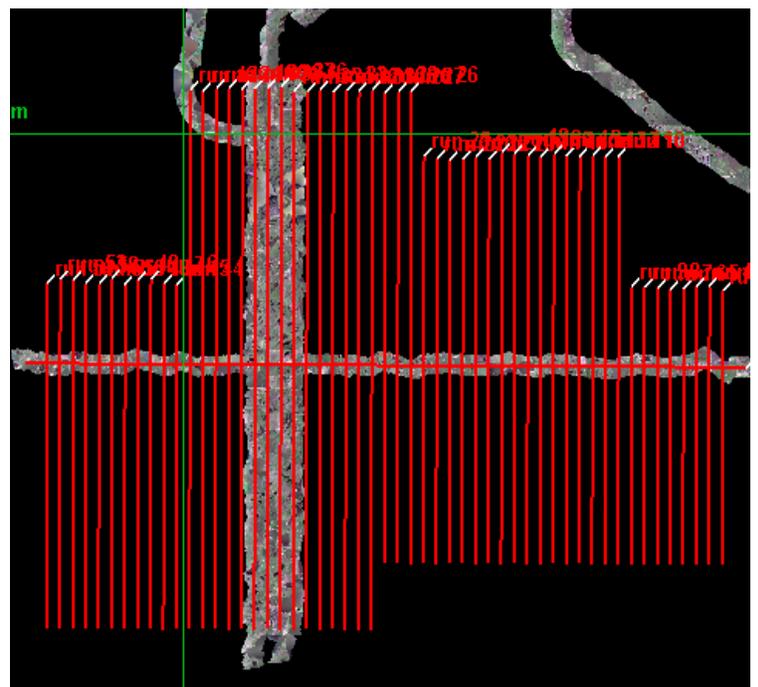
- Mitch Arrived today from D12. Welcome to Bismarck!
- Nick departs D09 in the morning. Thanks for bring the good weather with you!

Flight Screenshots

Lidar



NIS



Pictures



Above: Clear Skies over the WOOD site this morning.
Below: a NEON tower observed during the flight today



Daily Coverage

D09 WOOD_DCFS	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	35				✓	✓	✓	NLC
	36				✓	✓	✓	NLC
	37				✓	✓	✓	NLC
	38				✓	✓	✓	NLC
Flown:	5							

Cumulative Domain Coverage

NOGP

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: 100% (26/26)

Yellow: 4% (1/26)

Red: 0% (0/26)

WOOD_DCFS

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: 76% (41/54)

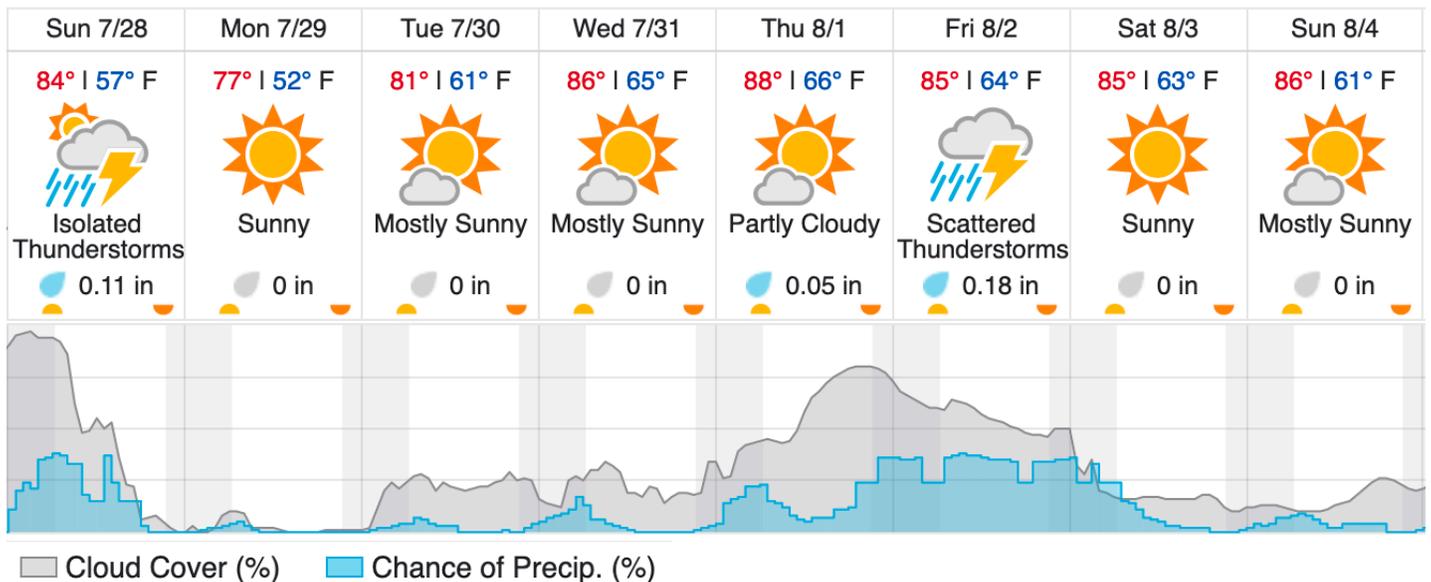
Green: 54% (29/54)

Yellow: 26% (14/54)

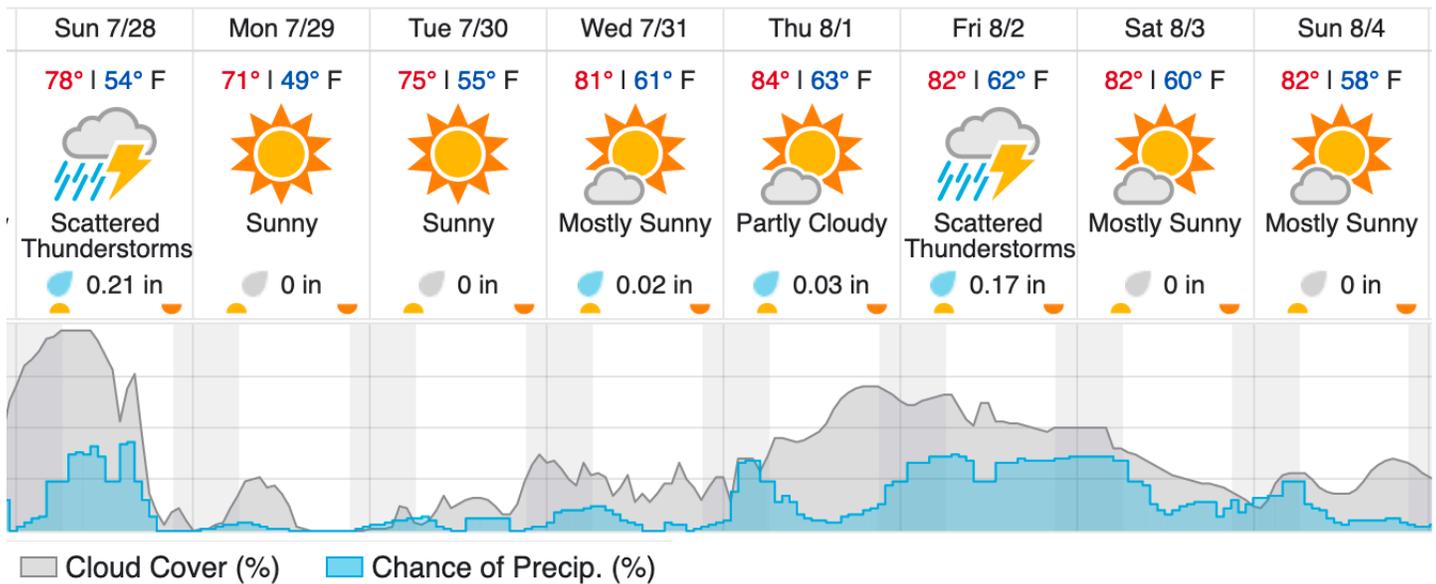
Red: 0% (0/54)

Weather Forecast

Bismarck, ND



Woodworth, ND



Flight Collection Plan for 28 July 2019

Flyority 1:

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

Flight Plan Name: D09_WOOD_DCFS_C1_P1_v4_Q780

On-station Time: 1520 / 1020L

Flyority 2: Completed

Collection Area: Northern Great Plains (NOGP)

Flight Plan Name: D09_NOGP_R2_P1_v2_Q780

On-station Time: 1530 / 1030L

Crew: Cameron Chapman (Lidar), Mitch Haynes (NIS/GPS)

Flight Collection Plan for 29 July 2019

Flyority 1:

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

Flight Plan Name: D09_WOOD_DCFS_C1_P1_v4_Q780

On-station Time: 1520 / 1020L

Flyority 2: Completed

Collection Area: Northern Great Plains (NOGP)

Flight Plan Name: D09_NOGP_R2_P1_v2_Q780

On-station Time: 1530 / 1030L

Crew: Cameron Chapman (Lidar), Mitch Haynes (NIS/GPS)