



May 28, 2019 Payload 2 Daily Flight Report



Date: 2019-05-28

Flight Campaign ID: 2019_P2C1

Airport, FBO ID, City: Manassas Regional (KHEF) - Manassas, VA

Domain: 02

Sites Flown: BLAN (Blandly Experimental Farm), N02A (D02 Nominal Runway)

Days left in Domain: 8

Report Author: Robb Walker

Flight Crew: Robb Walker, Cameron Chapman

Ground/GPS: N/A

Pilots: Chad Evans, Mark Solper

Additional Personnel:

GPS Instruments: AOP_BLAN, 02 - FBO_KHEF

Flight Hours: 03:29

Hours until maintenance: 31.25

Summary

Rain and thunderstorms delayed flight this morning, but clouds lifted later in the morning allowing an initial collection at Blandly Experimental Farm and complete Nominal Runway.

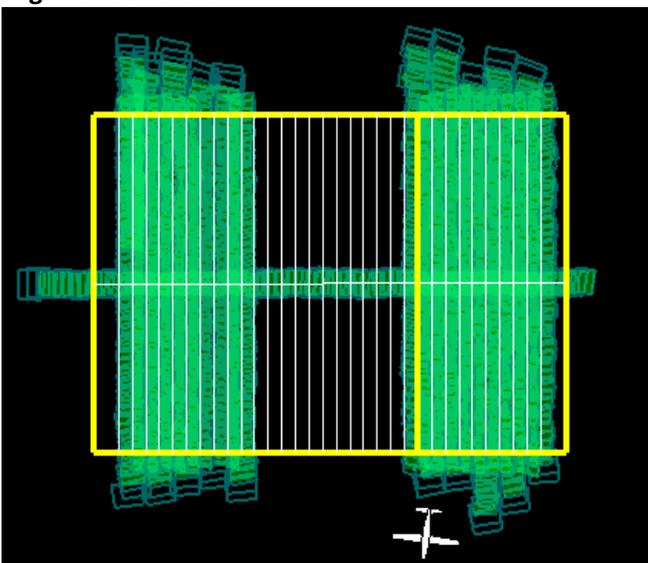
Concerns

Flight plan line 33 was displayed in the same location as line 32. Visual showed a line 33 but planned line was in wrong location.

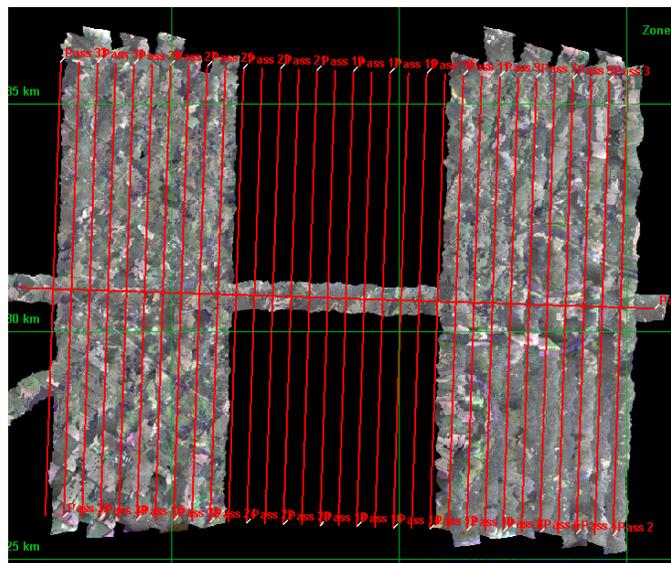
Comments

- PosPac license issue was resolved today and QA is being rerun on flight 2019052413.
- Tomorrow is a crew rotation day, no flights will be attempted.
- Robb Walker departs tomorrow for D05.
- Abe Morrison and Mitch Haynes will arrive tomorrow.

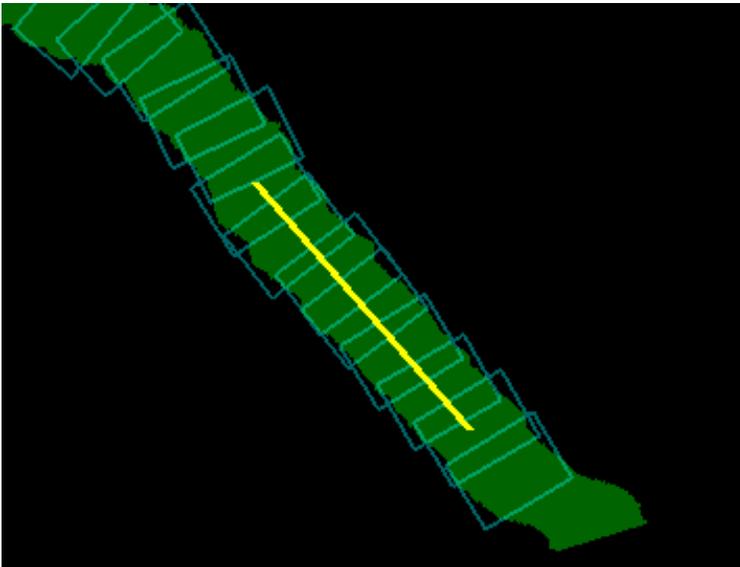
Flight Screenshots



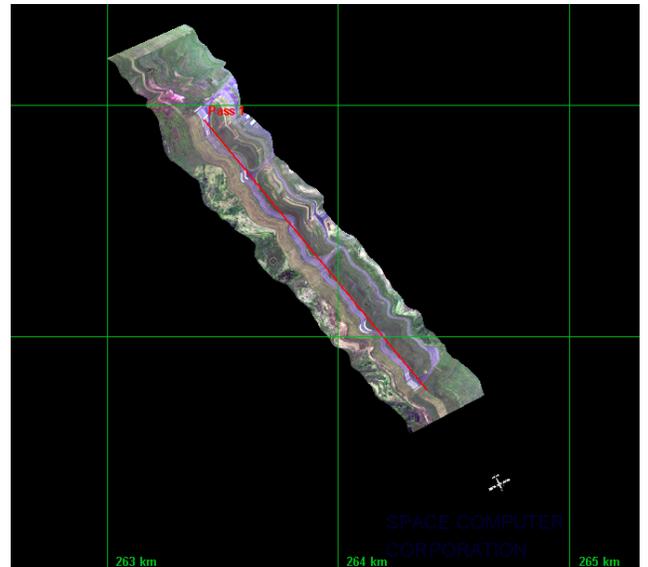
BLAN (Lidar)



BLAN (NIS)



N02A (Lidar)



N02A (NIS)

Daily Coverage

D02 BLAN	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
	33				✗	✓	✓	LC
Flown:	21							
D02 N02A	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
Flown:	1							

Cumulative Domain Coverage

BLAN

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								

Flown: 61% (20/33)

Green: 0% (0/33)

Yellow: 0% (0/33)

Red: 61% (20/33)

N02A

1																			
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Flown: 100% (1/1)

Green: 0% (0/1)

Yellow: 0% (0/1)

Red: 100% (1/1)

SCBI

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									

Flown: 81% (26/32)

Green: 0% (0/32)

Yellow: 0% (0/32)

Red: 81% (26/32)

SERC

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: 54% (14/26)

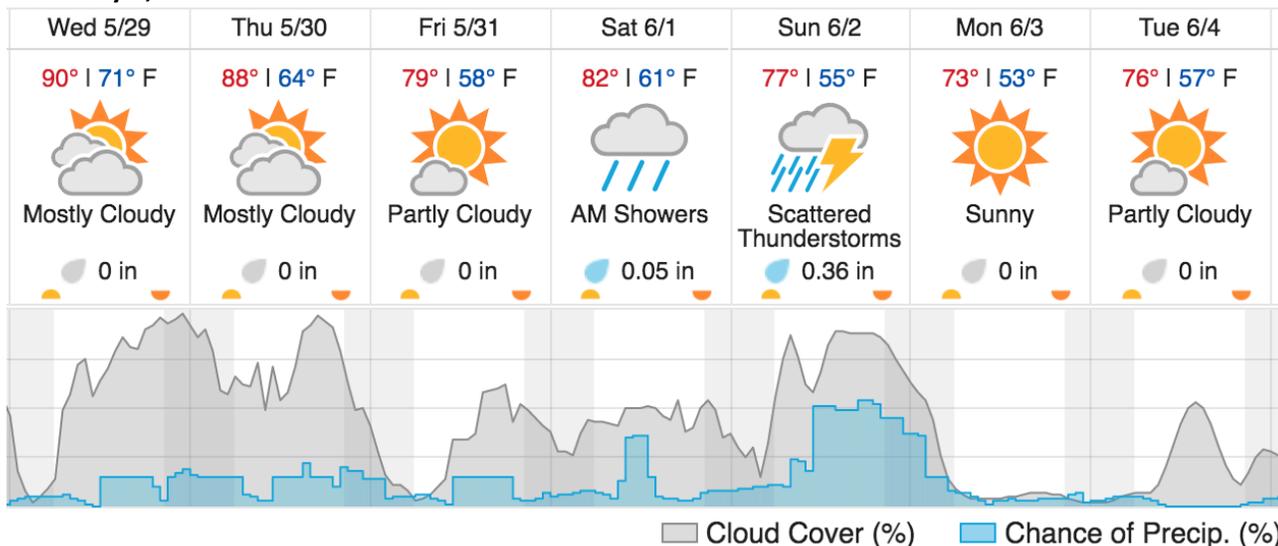
Green: 23% (6/26)

Yellow: 31% (8/26)

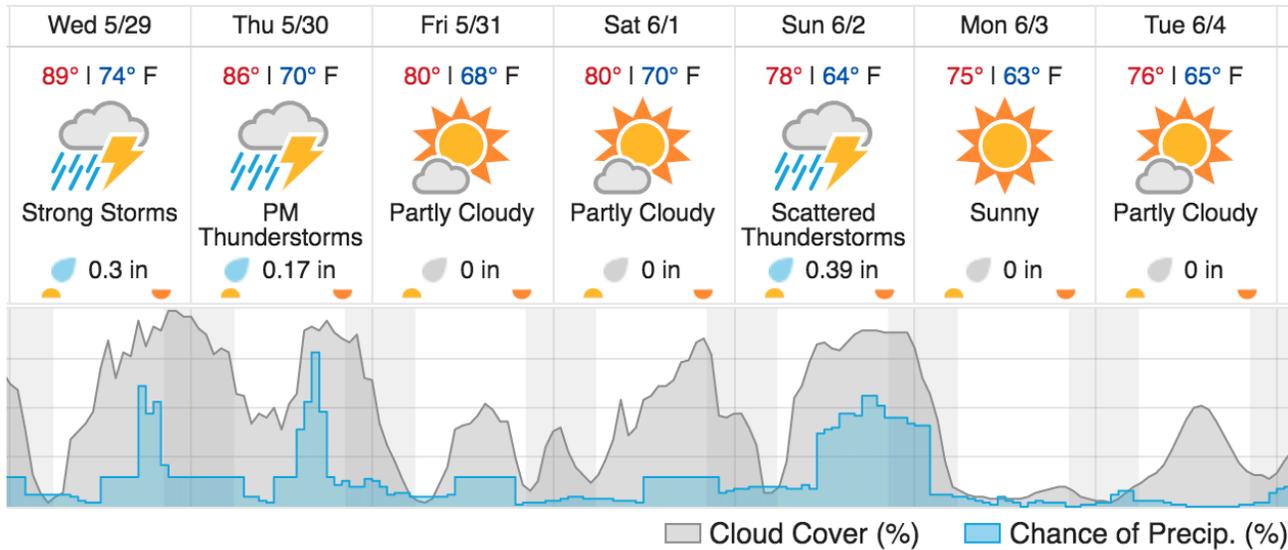
Red: 0% (0/26)

Weather Forecast

Front Royal, VA



Annapolis, MD



Flight Collection Plan for 29 May 2019

No flight Activity Scheduled: Crew Rotation day

Flight Collection Plan for 30 May 2019

Flyority1:

Collection Area: Smithsonian Conservation Biology Institute (SCBI)

**Lines 2-7 If "Green" Conditions, include lines 8-32

Flight Plan Name: D02_SCBI_C1_P1_v1.pln

On Station Time: 09:40 L / 13:40 UTC

Flyority2:

Collection Area: Smithsonian Ecological Research Center (SERC)

**Lines 2-4 & 18-26 If "Green" Conditions, include lines 5-11

Flight Plan Name: D02_SERC_R1_P1_v1.pln

On Station Time: 09:30 L / 13:30 UTC

Flyority3:

Collection Area: Blandy Experimental Farm (BLAN)

**Lines 12-23, 33 If "Green" Conditions, include lines 2-11, 24-32

Flight Plan Name: D02_BLAN_R2_P1_v2.pln

On Station Time: 09:40 L / 13:40 UTC

Flyority4:

Collection Area: Nominal Runway – D02

Flight Plan Name: D02_N02A_Nominal_Runway_Test_v1.pln

On Station Time: N/A

Crew: TBD