



## May 24, 2019 Payload 2 Daily Flight Report

Date: 2019-05-24

Flight Campaign ID: 2019\_P2C1

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

Domain: 02

Sites Flown: SCBI (Smithsonian Conservation Biology Institute )

Days left in Domain: 11

Report Author: Robb Walker

Flight Crew: Robb Walker, Cameron Chapman

Ground/GPS: N/A

Pilots: Justin Eddington, Mark Solper

Additional Personnel:

GPS Instruments: 02 - FBO\_KHEF, 08 - SERC, 00 - AOP\_SCBI

Flight Hours: 03:50

Hours until maintenance: 34.73

### Summary

Conducted tour with domain staff this morning before taking to the skies. Thanks for coming out! Conditions looked promising before taking off, but high cirrus and some low cumulus clouds began to move in by the time we reached SCBI. Initial coverage was collected except for 6 lines on East side of flight box.

### Concerns

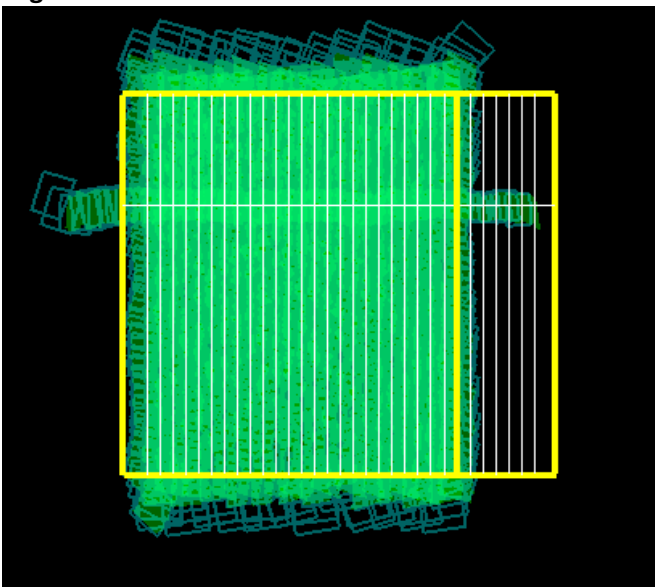
None

### Comments

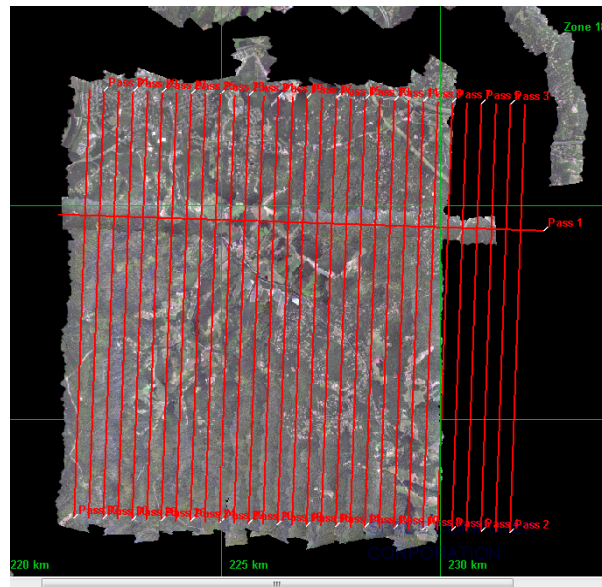
-Pilot Justin Eddington departs tomorrow for time off. Thanks for all the hard work!

-Pilot Chad Evans arrives tomorrow.

### Flight Screenshots



Lidar



NIS

Pictures



ASO Robb Walker pointing out sensors underneath aircraft with D02 staff.



Group photo with D02 staff

**Daily Coverage**

D02   SCBI	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
Flown:	26							

**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: 0% (0/33)  
 Green: 0% (0/33)  
 Yellow: 0% (0/33)  
 Red: 0% (0/33)

**N02A**

1
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Flown: 0% (0/1)  
 Green: 0% (0/1)  
 Yellow: 0% (0/1)  
 Red: 0% (0/1)

**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)

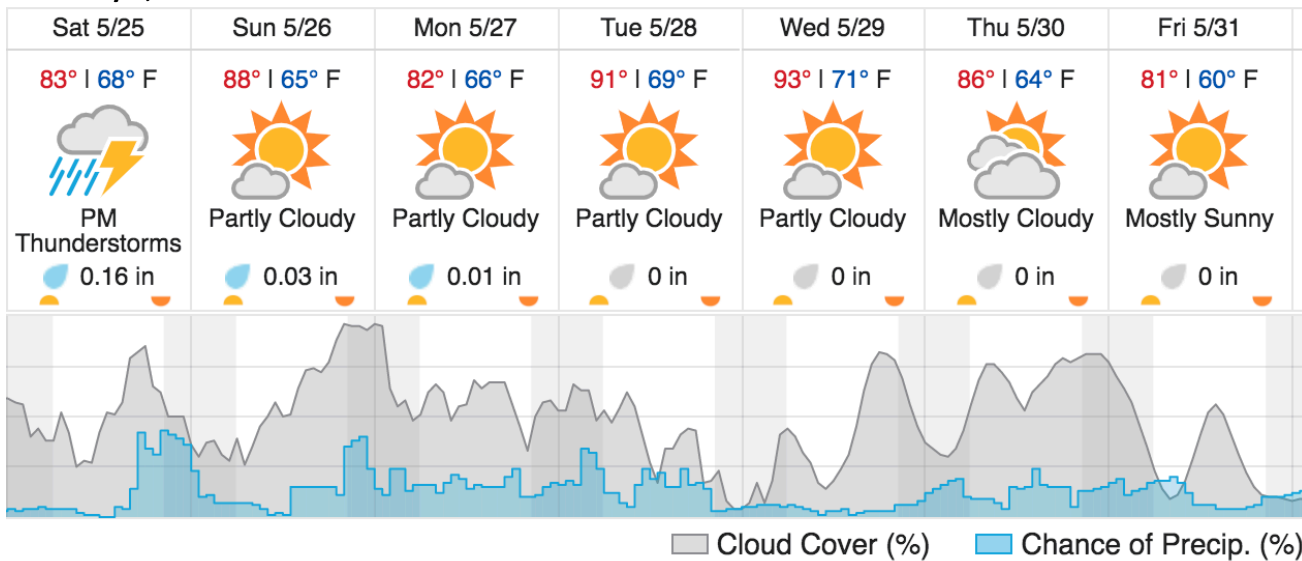
**SERC**

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															

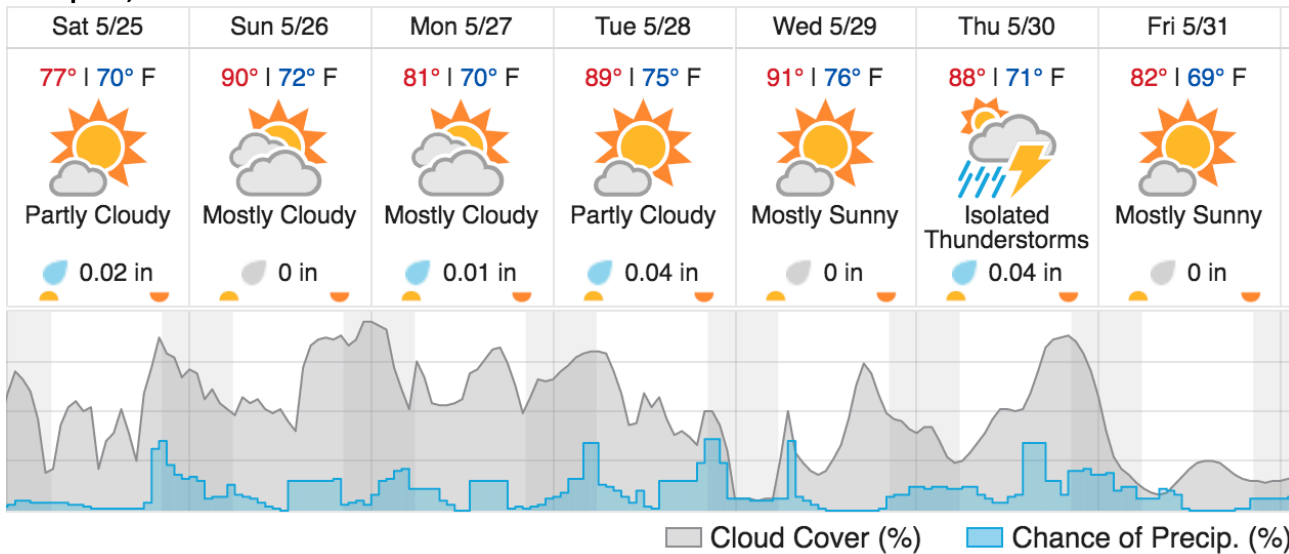
Flown: 54% (14/26)  
 Green: 23% (6/26)  
 Yellow: 31% (8/26)  
 Red: 0% (0/26)

**Weather Forecast**

**Front Royal, VA**



**Annapolis, MD**



### **Flight Collection Plan for 25 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)

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:** Cameron Chapman (**LiDAR**), Robb Walker (**NIS**)

### **Flight Collection Plan for 26 May 2019**

**Flyority 1 – 4** Same as previous day

**Crew:** Robb Walker (**LiDAR**), Cameron Chapman (**NIS**)