



May 31, 2019 Payload 2 Daily Flight Report



**Date:** 2019-05-31  
**Flight Campaign ID:** 2019\_P2C1  
**Airport, FBO ID, City:** Manassas Regional (KHEF) - Manassas, VA

**Domain:** 02  
**Sites Flown:** None  
**Days left in Domain:** 4

**Report Author:** Mitch Haynes  
**Flight Crew:** Mitch Haynes, Cameron Chapman  
**Ground/GPS:** Abe Morrison  
**Pilots:** Chad Evans, Mark Solper  
**Additional Personnel:**  
**GPS Instruments:** 00 - AOP\_SCBI, 02 - FBO\_KHEF

**Flight Hours:** 00:52  
**Hours until maintenance:** 30.38

**Summary**

Satellite imagery and tower cameras showed clear conditions over the Shenandoah Valley this morning, however between aircraft engine starts and arriving on station, cumulus clouds had formed at altitude preventing any collection to be made at either SCBI or BLAN.

**Concerns**

None

**Comments**

- Conducted a tour of the Twin Otter aircraft and payload with local NSF Representatives.

**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)

**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)

Pictures

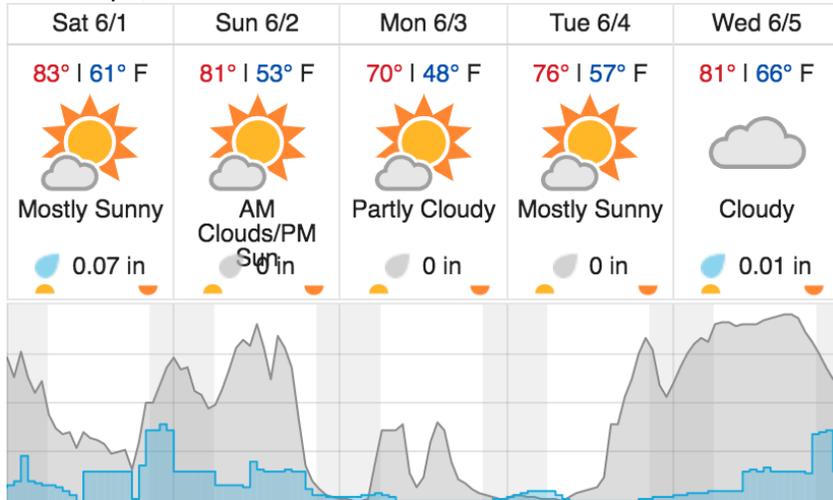


NSF Tour. Photos taken by Mark Sulper.

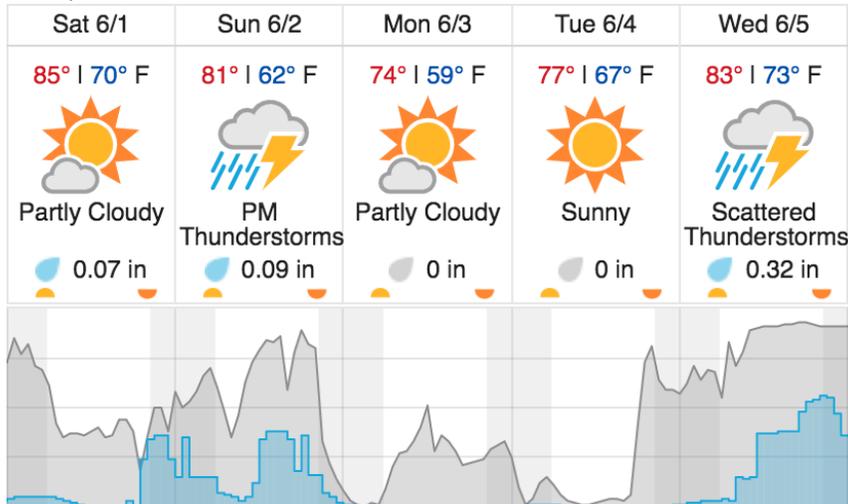


## Weather Forecast

Front Royal, VA



Annapolis, MD



## Flight Collection Plan for 1 June 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: 09:30 L / 13:30 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: 09:30 L / 13:30 UTC

**Crew:** Abe Morrison (Lidar), Mitch Haynes (NIS), Cameron Chapman (Ground/GPS)

## Flight Collection Plan for 2 June 2019

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

**Crew:** Cameron Chapman (Lidar), Abe Morrison (NIS), Mitch Haynes (Ground/GPS)