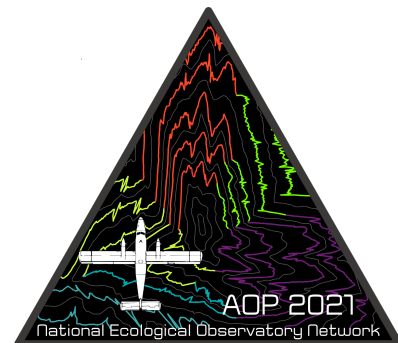




## Payload 1 Daily Flight Report



**Date:** 2021-08-24

**Flight Campaign ID:** P1C2

**Airport, FBO ID, City:** Winchester Regional Airport (KOKV) - Winchester, VA

**Aircraft:** N331AR

**Domain:** 02 (Mid-Atlantic)

**Sites Flown:** SERC (Smithsonian Ecological Research Center )

**Days left in Domain:** 1

**Report Author:** John Adler

**Lidar Operators:** John Adler

**Spectrometer Operators:** Cameron Chapman

**Pilots:** Justin Eddington, Nick Koukoutsakis

**Flight Hours:** 02:00

**Hours until maintenance:** 51.15

**GPS Instruments:** 05 - FBO\_KOKV, S-LOYF

**Summary:** Conditions from the SERC camera appeared favorable in the morning, so we attempted to collect Green data. However, there was a low, hazy layer upon arrival. We finished collecting all missing flight lines under Yellow conditions, and by the time we left, low cumulous clouds were forming.

**Concerns:** None.

**Comments:** Shipped the long extension cable to D03 today.

### Daily Coverage

Estimated Cloud Cover Key

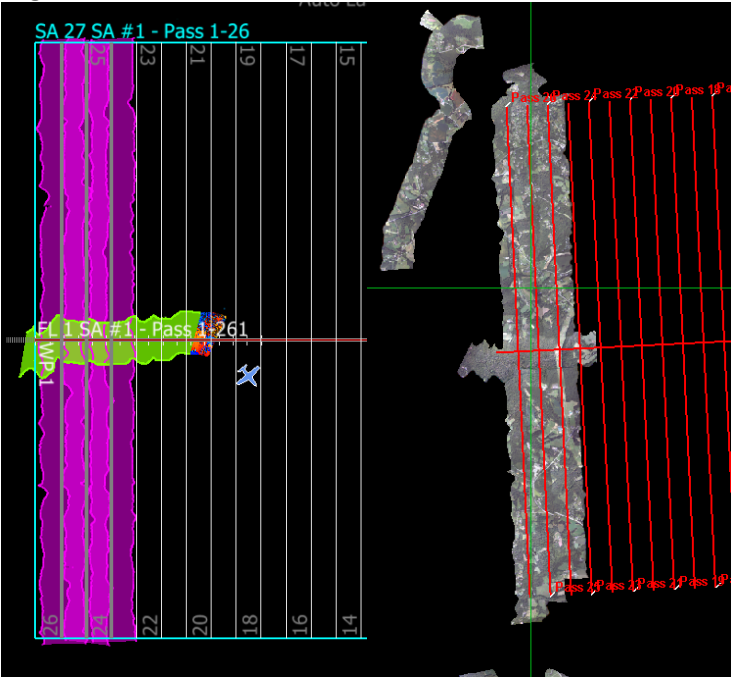
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D02|SERC

Line #	1	24	25	26
Lidar	✓	✓	✓	✓
Spectrometer		✓	✓	✓
Camera	✓	✓	✓	✓
Cloud Cover				

Total number of lines flown: 4

Flight Screenshots



Cumulative Domain Coverage

D02 | BLAN (Blandy Experimental Farm )

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: 100% (33/33)  
Green: 0% (0/33)  
Yellow: 0% (0/33)  
Red: 100% (33/33)

D02 | N02B (D02 Nominal Runway)

1

Flown: 100% (1/1)  
Green: 0% (0/1)  
Yellow: 0% (0/1)  
Red: 100% (1/1)

D02 | SCBI (Smithsonian Conservation Biology Institute )

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: 100% (32/32)  
Green: 0% (0/32)  
Yellow: 0% (0/32)  
Red: 100% (32/32)

D02 | SERC (Smithsonian Ecological Research Center )

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: 0% (0/26)  
Yellow: 15% (4/26)  
Red: 85% (22/26)

D02|T02A ()

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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Flown: 32% (6/19)

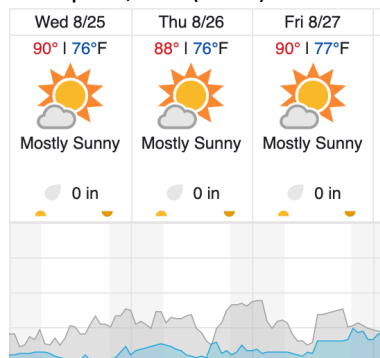
Green: 0% (0/19)

Yellow: 0% (0/19)

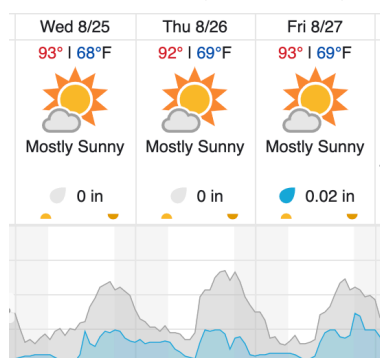
Red: 32% (6/19)

## Weather Forecast

Annapolis, MD (SERC)



Winchester, VA (SCBI, BLAN)



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

## Flight Collection Plan for 25 August 2021

Flyority 1 – if Green

Collection Area: Smithsonian Environmental Research Center (SERC)

Flight Plan Name: D02\_SERC\_R1\_P1\_v1\_PRM.xml

On-Station Time: 1350 UTC/ 0950 L

Flyority 2 – if Green

Collection Area: Smithsonian Conservation Biology Institute (SCBI)

Flight Plan Name: D02\_SCBI\_C1\_P1\_v1\_PRM.xml

On-Station Time: 1400 UTC/ 1000 L

Flyority 3 – if Green

Collection Area: Blandy Experimental Farm (BLAN)

Flight Plan Name: D02\_BLAN\_R2\_P1\_v3\_PRM.xml

On-Station Time: 1400 UTC/ 1000 L

Crew: John, Cameron