



Payload 1 Daily Flight Report



**Date:** 2022-05-21

**Flight Campaign ID:** P1C1

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

**Aircraft:** N331AR

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

**Sites Flown:** BLAN (Blandy Experimental Farm)

**Days left in Domain:** 12

**Report Author:** Abe

**Lidar Operators:** Abe

**Flight Hours:** 03:37

**Spectrometer Operators:** Cameron

**Hours until maintenance:** 82.12

**Pilots:** Justin , Magnus

**GPS Instruments:** 06 - KOKV

**Summary**

The forecast for the next week is calling for clouds and rain every day. With this forecast in mind and flyable skies today, the crew collected the priority 3 site (BLAN) in "red" sky conditions. All 33 lines were collected.

**Concerns**

-The pony case still has not been delivered by FedEx. It shows a possible delivery on Monday. Due to this lack of raid drives, the delay of extraction of previous flights is making most of the flight disc sets unavailable. There are 2 usable sets left.

**Comments**

None

**Daily Coverage**

Estimated Cloud Cover Key

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

**D02 | BLAN**

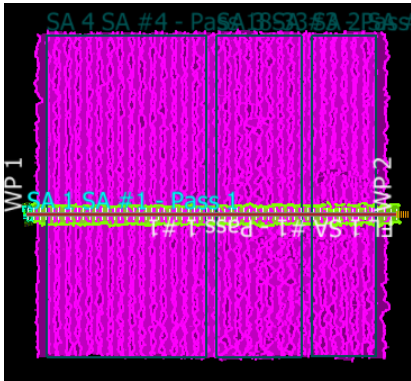
Line #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																					

Line #	21	22	23	24	25	26	27	28	29	30	31	32	33
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover													

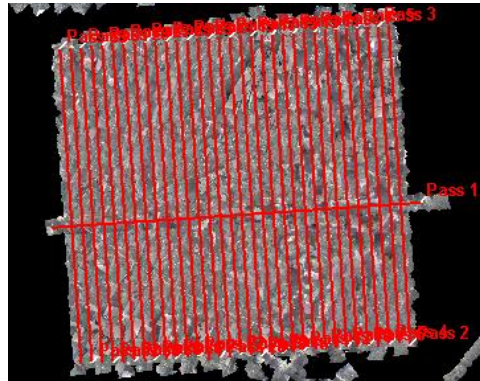
Total number of lines flown: 33

## Flight Screenshots

Lidar



NIS



## 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: 0% (0/32)

Green: 0% (0/32)

Yellow: 0% (0/32)

Red: 0% (0/32)

### 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: 0% (0/26)

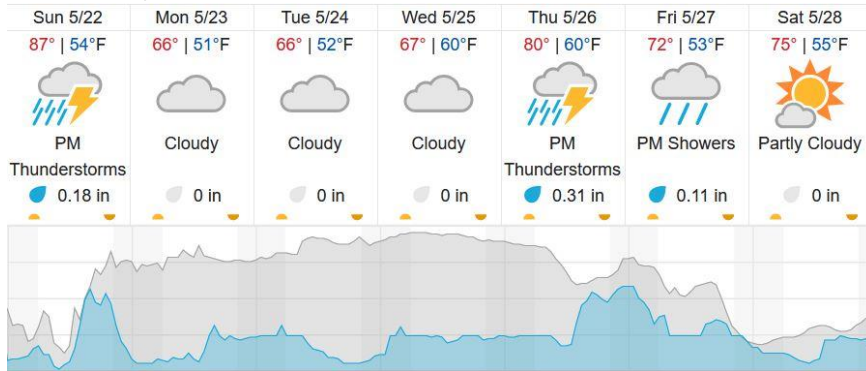
Green: 0% (0/26)

Yellow: 0% (0/26)

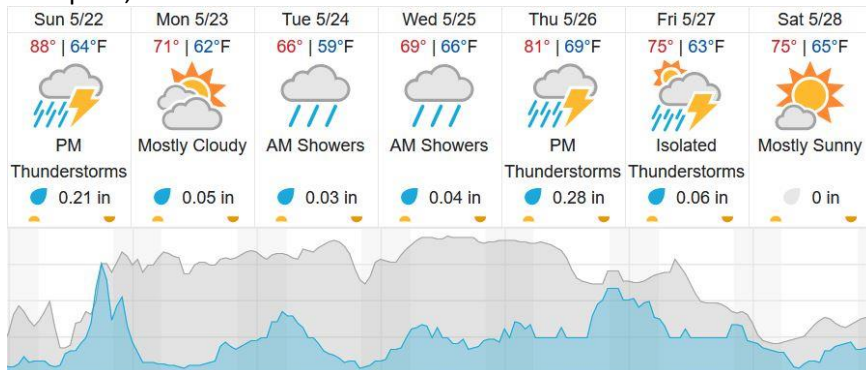
Red: 0% (0/26)

## Weather Forecast

### Winchester, VA



### Annapolis, MD



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

## Flight Collection Plan for 22 May 2022

### Flyority 1

Collection Area: Smithsonian Conservation Biology Institute (SCBI)

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

On-station Time: 1330 UTC / 0930 L

### Flyority 2

Collection Area: Smithsonian Environmental Research Center (SERC)

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

On-station Time: 1330 UTC / 0930 L

### Flyority 3

Collection Area: Blandy Experimental Farm (BLAN) \*\*\* If "green" sky conditions\*\*\*

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

On-station Time: 1330 UTC / 0930 L

### Flight Crew:

Cameron (Lidar), Abe (NIS)