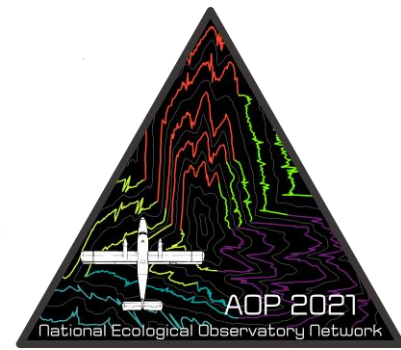




Payload 1 Daily Flight Report



Date: 2021-08-13
Flight Campaign ID: P1C2
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: 13

Report Author: Elissa Barris
Lidar Operators: Elissa Barris **Flight Hours:** 02:02
Spectrometer Operators: Abe Morrison **Hours until maintenance:** 54.40
Pilots: Justin Eddington, Nick Koukoutsakis **GPS Instruments:** 05 - FBO_KOKV, AOP_BLAN

Summary

Red but flyable conditions allowed us to complete initial coverage at BLAN this morning, with the exception of three lines at SERC, upcoming digitizer test flights, and any potential 'greening up' opportunities.

Concerns

- The replacement components for the digitizer repair work are currently held up in customs, but will hopefully arrive by Monday.

Comments

- The digitizer has been pulled from the payload and will be passed off to the Optech technician when he arrives in the domain tonight.
- Elissa Barris is rotating out of the domain tomorrow. John Adler will be arriving tonight - Welcome to Winchester!

Daily Coverage

Estimated Cloud Cover Key

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

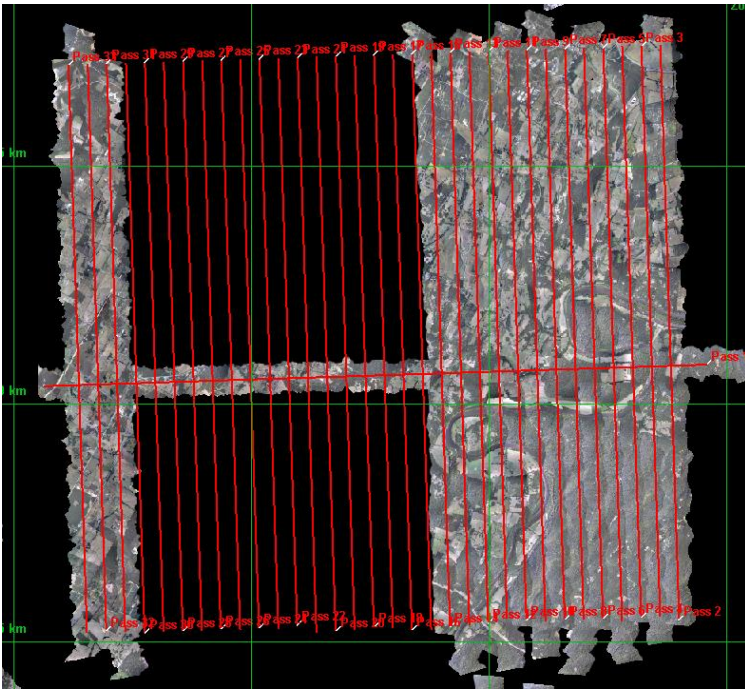
D02|BLAN

Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	31	32	33
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																

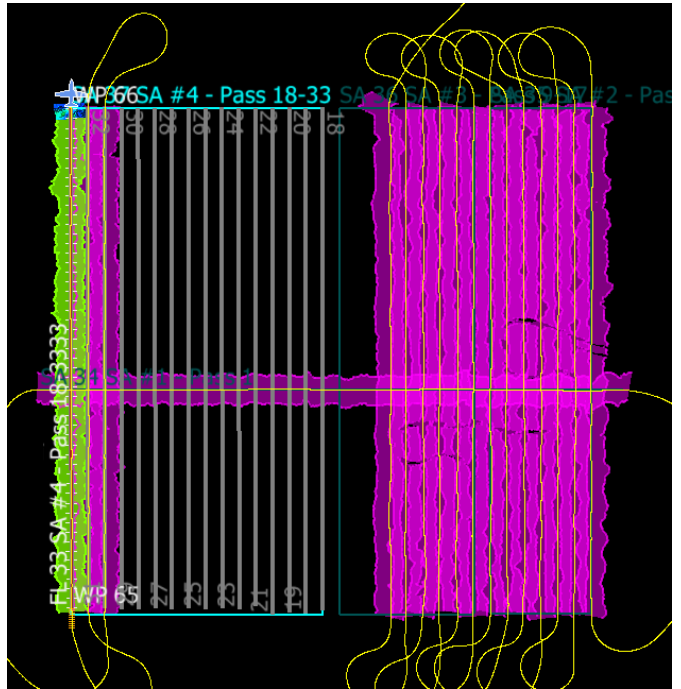
Total number of lines flown: 16

Flight Screenshots

NIS



LiDAR



Pictures



Another hazy morning over Winchester.

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: 88% (23/26)

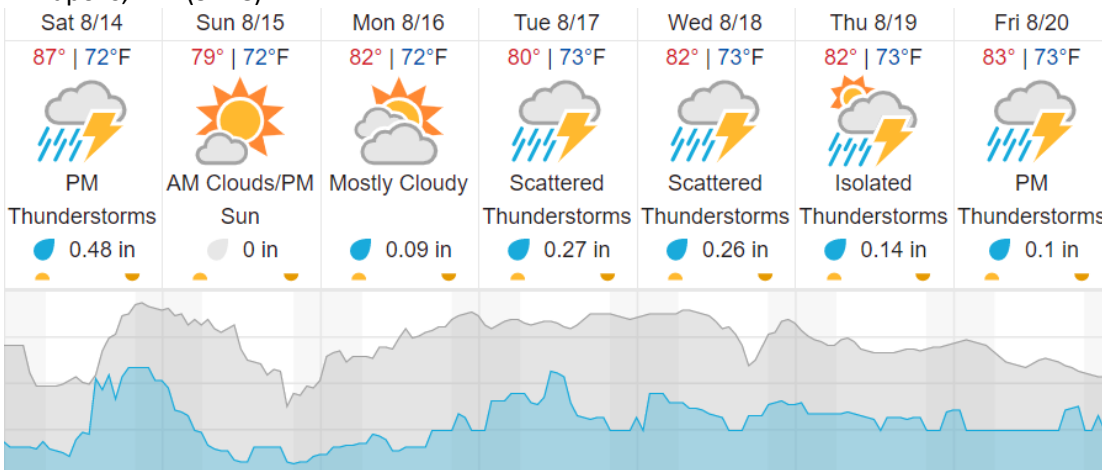
Green: 0% (0/26)

Yellow: 0% (0/26)

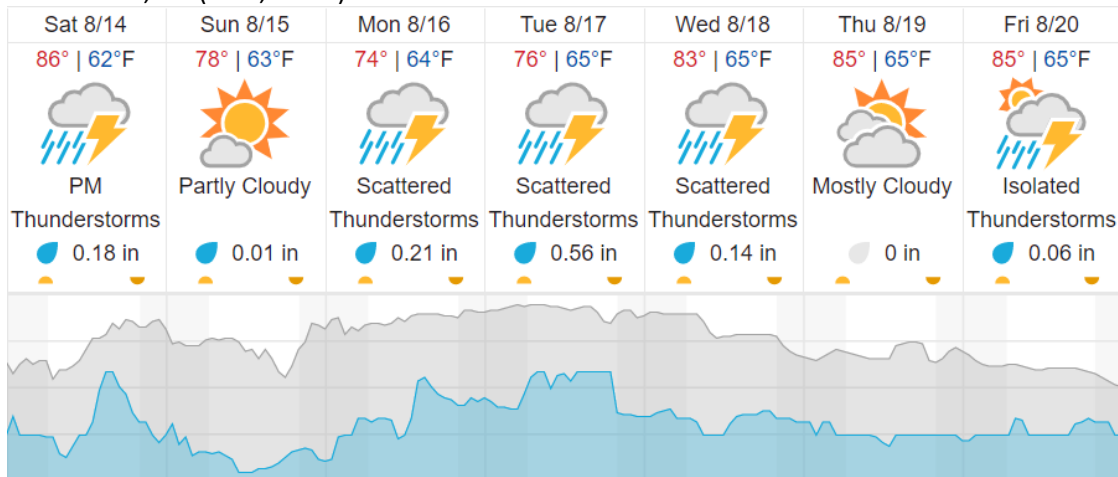
Red: 88% (23/26)

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 14 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, Abe