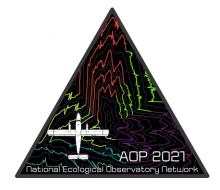


Payload 1 Daily Flight Report



Date: 2021-08-12

Flight Campaign ID: P1C2

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

Aircraft: N331AR

Domain: 02 (Mid-Atlantic)

Sites Flown: BLAN (Blandy Experimental Farm), SCBI (Smithsonian Conservation Biology Institute)

Days left in Domain: 14

Report Author: Abe Morrison

Lidar Operators: Abe Morrison **Flight Hours**: 04:56

Spectrometer Operators: Elissa Barris Hours until maintenance: 56.43

Pilots: Justin Eddington, Nick Koukoutsakis GPS Instruments: 05 - FBO_KOKV, AOP_BLAN, AOP_SCBI

Summary

Minimal clouds this morning allowing the crew to start the initial collections at both SCBI and BLAN. Most of the day consisted of the normal heavy haze we have been experiencing and mid level scattered cumulus. 48 total lines were collected in "red" sky conditions. 32 Lines at SCBI, and 16 at BLAN. This volume of work was possible due to the close proximity of the Winchester airport, where the otter is currently residing, to both of these sites.

Concerns

None

Comments

- -The pilot display was swapped out this morning with the backup that arrived from HQ. No issues with the pilot display were encountered today.
- -The package with repair parts for the digitizer from Optech is scheduled to arrive today, and the repair technician is scheduled to arrive tomorrow to start his work.

Daily Coverage

Estimated Cloud Cover Key

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

D02|SCBI

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
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover												

Total number of lines flown: 32

D02|BLAN

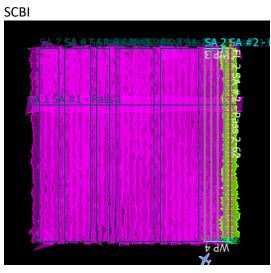
Line #	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Lidar	✓	✓	✓	✓	✓	✓	\	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																

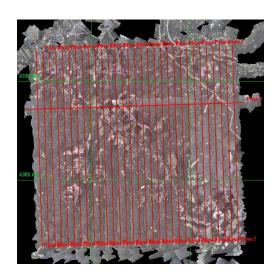
Total number of lines flown: 16

Flight Screenshots

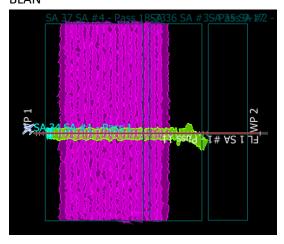
Lidar

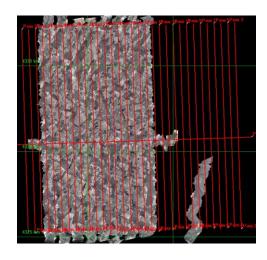
NIS





BLAN





Cumulative Domain Coverage

D02 | BLAN (Blandy Experimental Farm)

		٠,																	
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: 52% (17/33) Green: 0% (0/33) Yellow: 0% (0/33) Red: 52% (17/33)

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)

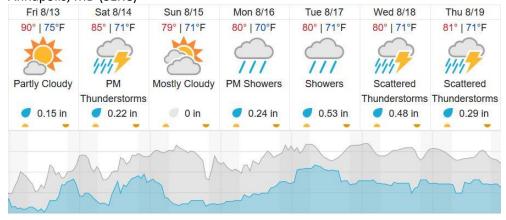
D02|SERC (Smithsonian Ecological Research Center)

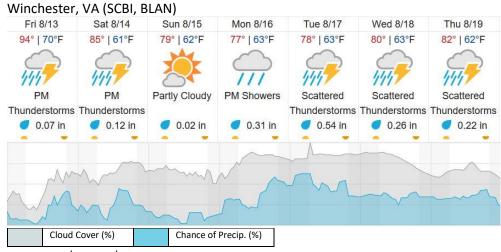
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26														

Flown: 88% (23/26) Green: 0% (0/26) Yellow: 0% (0/26) Red: 88% (23/26)

Weather Forecast

Annapolis, MD (SERC)





source: wunderground.com

Flight Collection Plan for 13 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

Collection Area: Blandy Experimental Farm (BLAN) Flight Plan Name: D02_BLAN_R2_P1_v3_PRM.xml

On-Station Time: 1400 UTC/ 1000 L

Crew: Elissa, Abe