



Payload 3 Daily Flight Report

Date: 2025-06-11

Flight Campaign ID: P3C1

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

Aircraft: N821AR

Domain: 02 (Mid-Atlantic)

Sites Flown: SCBI (Smithsonian Conservation Biology Institute)

Days left in Domain: 4

Report Author: Cameron

Lidar Operators: Cameron

Flight Hours: 03:24

Spectrometer Operators: Mitch

Hours until maintenance: 78.27

Pilots: Justin, Tim

GPS Instruments: AOP_BLAN, AOP_SCBI

Summary

Early morning haze and building cumulus clouds pushed our data collection beyond nominal conditions. Despite this, the crew completed initial data collection over the Smithsonian Conservation Biology Institute, while also successfully recollecting the low-priority lines.

Concerns

- None

Comments

- None

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

D02|SCBI

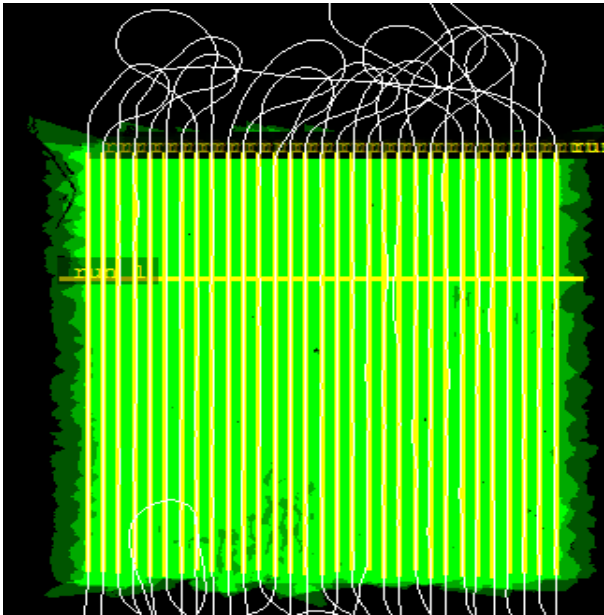
Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

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

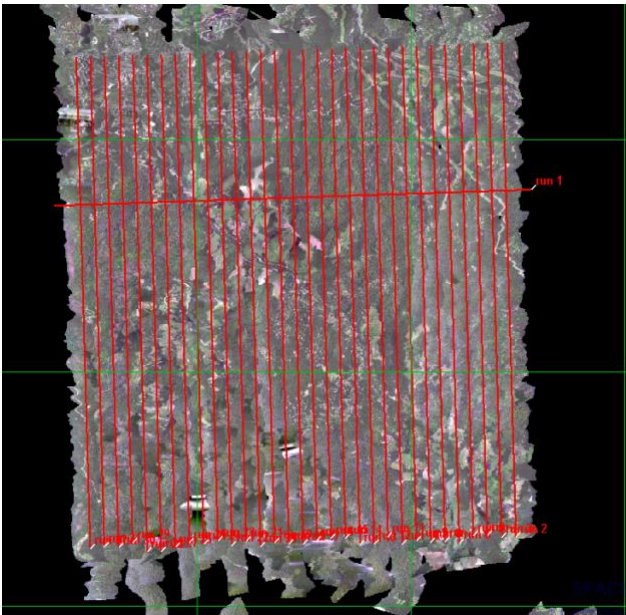
Total number of lines flown: 30

Flight Screenshots

Lidar



NIS



Pictures

A Hazy and cloudy day over SCBI



Cumulative Domain Coverage

D02 | BLAN (Blandy Experimental Farm)

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% (32/32)

Green: 100% (32/32)

Yellow: 0% (0/32)

Red: 0% (0/32)

* Flown within 35deg solar angle

D02|SCBI (Smithsonian Conservation Biology Institute)

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% (31/31)

Green: 0% (0/31)

Yellow: 0% (0/31)

Red: 100% (31/31)

* Flown within 35deg solar angle

D02|SERC (Smithsonian Ecological Research Center)

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% (0/25)

Green: 0% (0/25)

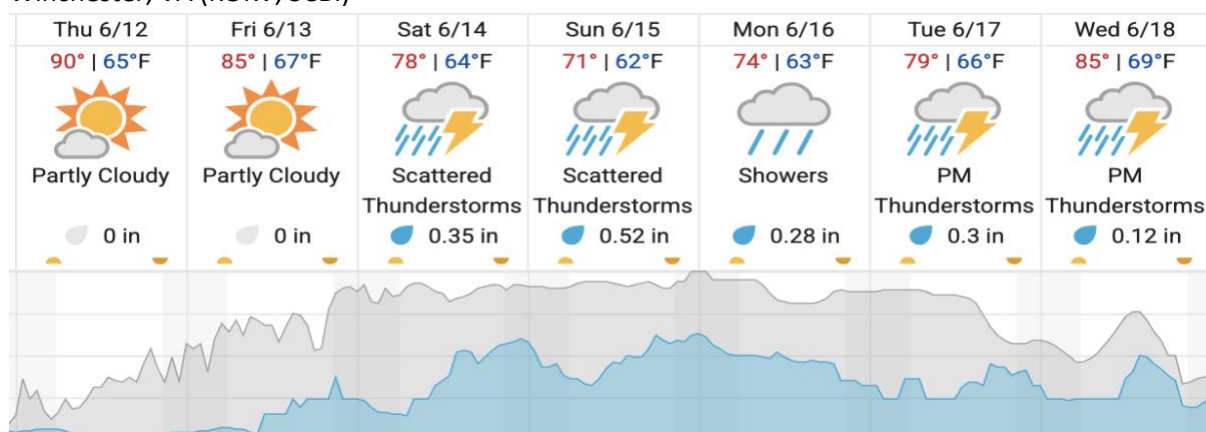
Yellow: 0% (0/25)

Red: 0% (0/25)

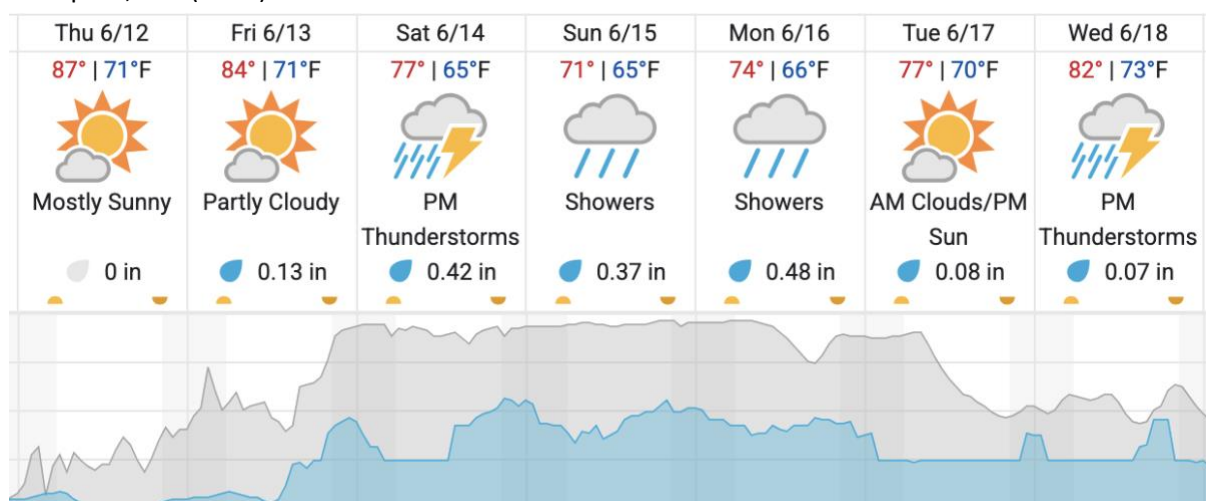
* Flown within 35deg solar angle

Weather Forecast

Winchester, VA (KOKV, SCBI)



Annapolis, MD (SERC)



	Cloud Cover (%)		Chance of Precip. (%)
--	-----------------	--	-----------------------

source: wunderground.com

Flight Collection Plan for 12 June 2025

Flyority 1

Collection Area: Smithsonian Conservation Biology Institute (SCBI) – *If Green*

Flight Plan Name: D02_SCBI_C1_P1_v1_Q780

On-Station Time: 1330 UTC / 0930 L

Flyority 2

Collection Area: Smithsonian Ecological Research Center (SERC)

Flight Plan Name: D02_SERC_R1_P1_v2_Q780

On-Station Time: 1330 UTC / 0930 L

Crew: Mitch (Lidar), Cam (NIS)