



Payload 1 Daily Flight Report



Date: 2023-06-17

Flight Campaign ID: P1C1

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

Aircraft: N331AR

Domain: 07 (Appalachians & Cumberland Plateau), 02 (Mid-Atlantic)

Sites Flown: None

Days left in Domain: 1

Report Author: Mitch

Lidar Operators: Mitch

Flight Hours: 00:00

Spectrometer Operators: Elissa

Hours until maintenance: 25.53

Pilots: Justin, Cullen

Summary

A TOIL mechanic arrived late last night and worked through the night in an attempt to ready the plane for flights today, but was unable to resolve the issue with fuel pressure switch in time. After acquiring a different part later in the day, the issue was finally resolved early this evening. The Twin Otter should be ready for flights tomorrow morning.

Concerns

None

Comments

The crew will continue to monitor the timing of upcoming poor weather with possible remaining collection opportunities to determine the best early departure date.

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: 0% (0/32)

Green: 0% (0/32)

Yellow: 0% (0/32)

Red: 0% (0/32)

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)

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% (0/31)

Green: 0% (0/31)

Yellow: 0% (0/31)

Red: 0% (0/31)

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)

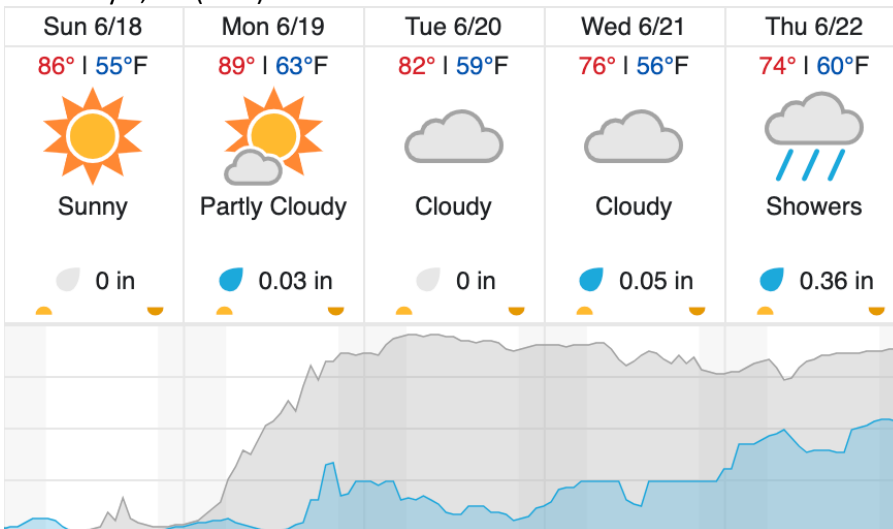
D07 | MLBS (Mountain Lake Biological Station)

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	34								

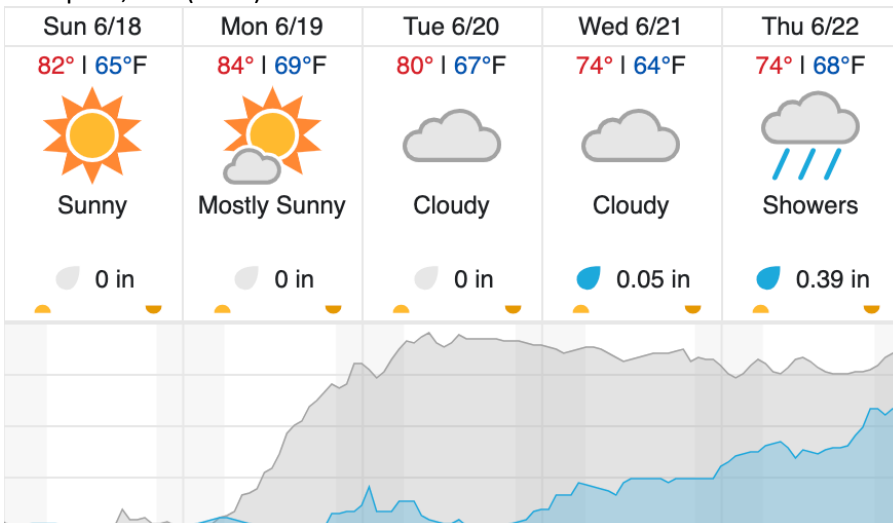
Flown: 100% (33/33)
Green: 97% (32/33)
Yellow: 3% (1/33)
Red: 0% (0/33)

Weather Forecast

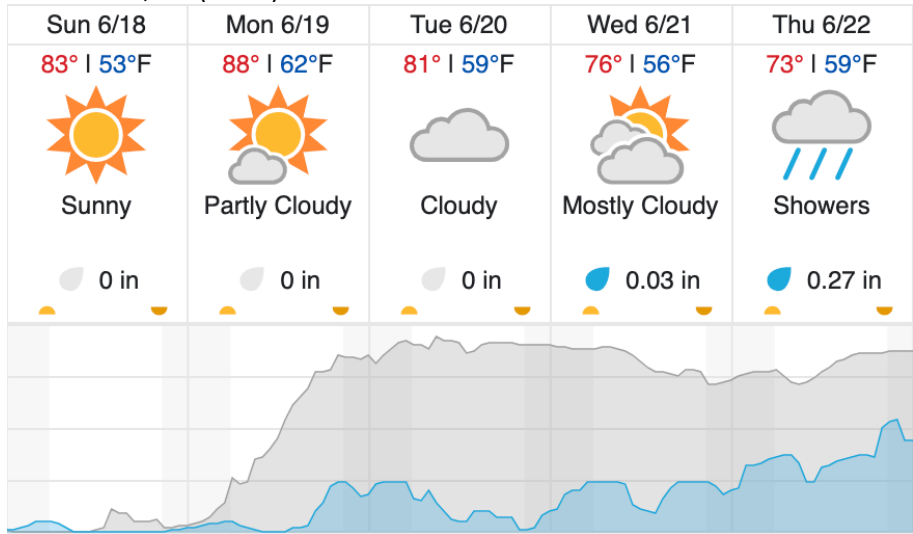
Front Royal, VA (SCBI)



Annapolis, MD (SERC)



Winchester, VA (BLAN)



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

Flight Collection Plan for 17 June 2023

Flyority 1

Collection Area: Smithsonian Conservation Biology Institute (SCBI)

Flight Plan Name: D02_SCBI_C1_P1_v2_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)

Flight Plan Name: D02_BLAN_R2_P1_v3_PRM.xml

On-Station Time: 1330 UTC/ 0930 L

Crew: Elissa (Lidar), Mitch (NIS)