



Payload 1 Daily Flight Report



Date: 2023-05-30

Flight Campaign ID: P1C1

Airport, FBO ID, City: Bessemer Municipal Airport - Mitchell Field (KEY) - Bessemer, AL, Blue Grass Airport (KLEX) - Lexington, KY

Aircraft: N331AR

Domain: 02,07 (Transit)

Sites Flown: Transit ()

Days left in Domain: 22

Report Author: Cameron

Lidar Operators: Cameron **Flight Hours:** 02:12:00, 02:22:00

Spectrometer Operators: **Hours until maintenance:** 35.18

Pilots: Justin, Will

Ground Crew: Mitch, Abe

Summary

The crew departed D08 this morning in route for D02/D07. We stopped for fuel in Lexington KY and dodged a few storms prior to landing in Winchester Va. This will be our base of operations for the next 3 weeks.

Concerns

- Crew will troubleshoot NIS issues with AOP Lab.
- SERC, SCBI & BLAN Tower cameras appear to be offline / not set-up.

Comments

- Hotel Kit set up this evening.
- Mitch gathered the D08 GPS units. Thanks for the long day of driving!!

Daily Coverage

Estimated Cloud Cover Key

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

Pictures



Above: In transit to Winchester Va over Kentucky.

Below: Flying through the clouds in WV.





The Otter going into the hangar in Winchester Va

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: 0% (0/1)
 Green: 0% (0/1)
 Yellow: 0% (0/1)
 Red: 0% (0/1)

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: 0% (0/33)

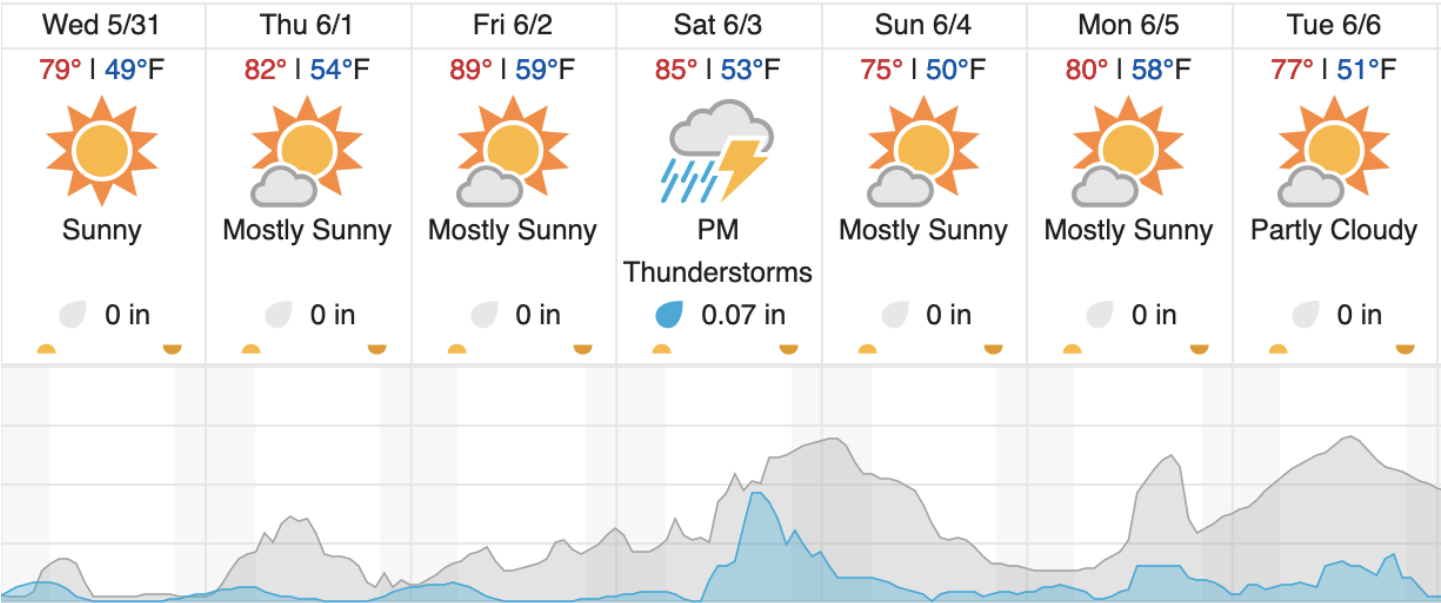
Green: 0% (0/33)

Yellow: 0% (0/33)

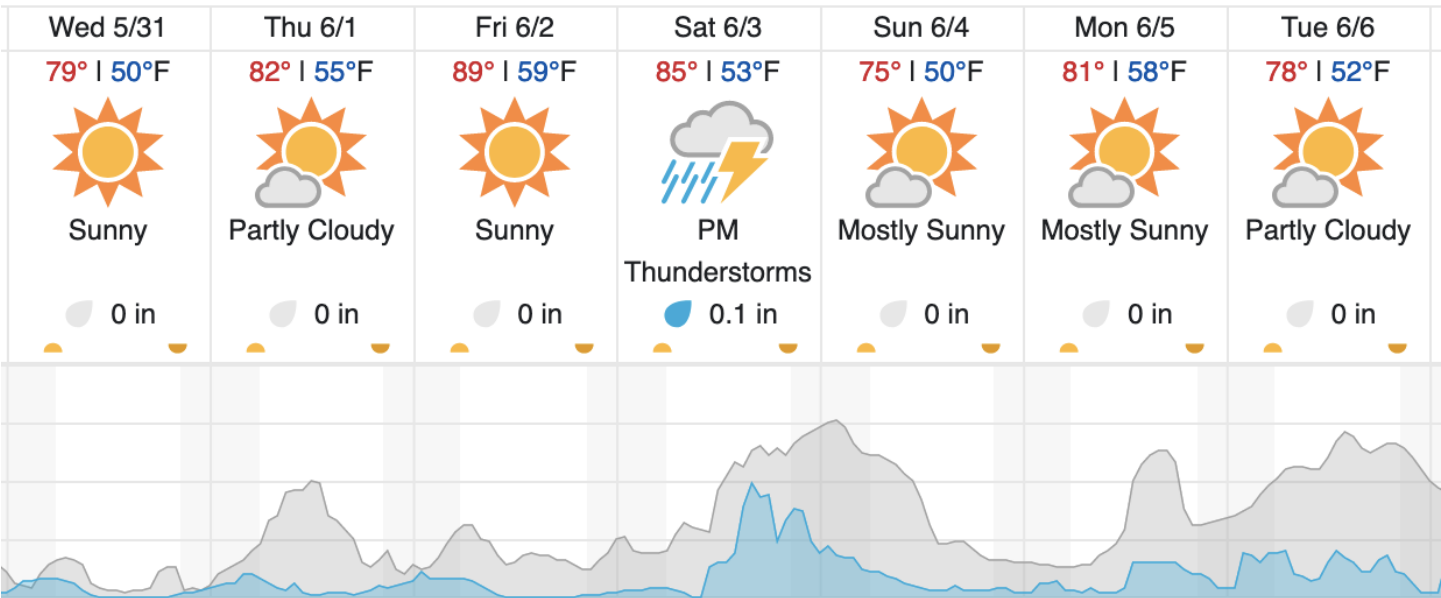
Red: 0% (0/33)

Weather Forecast

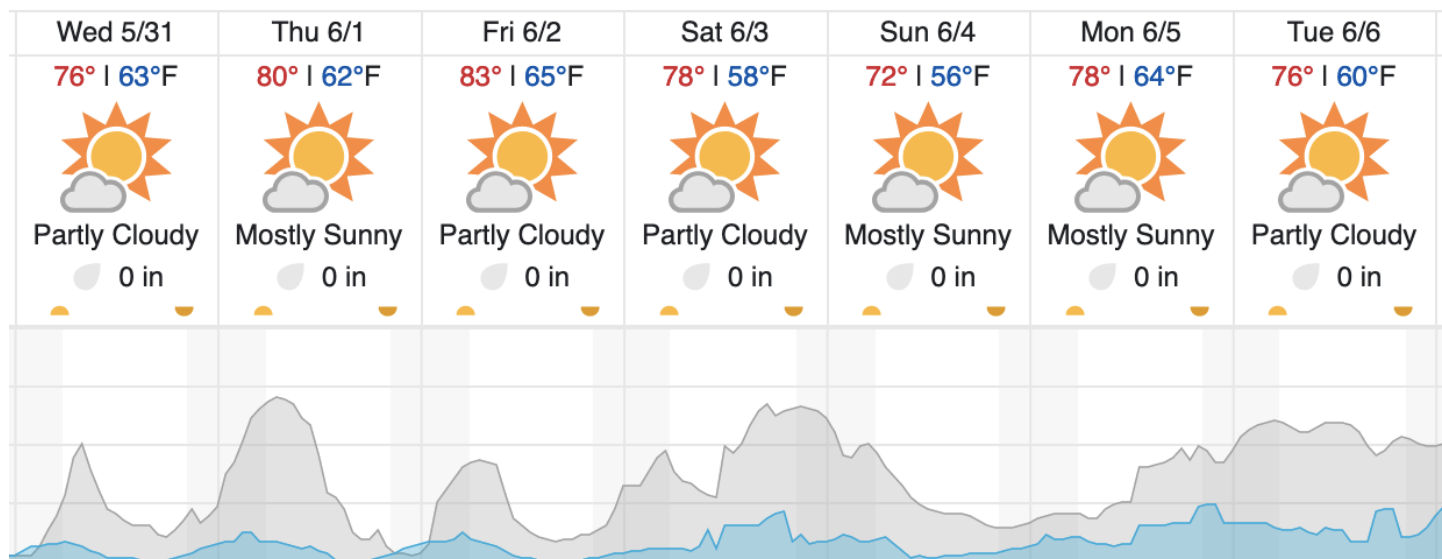
Winchester, VA (BLAN)



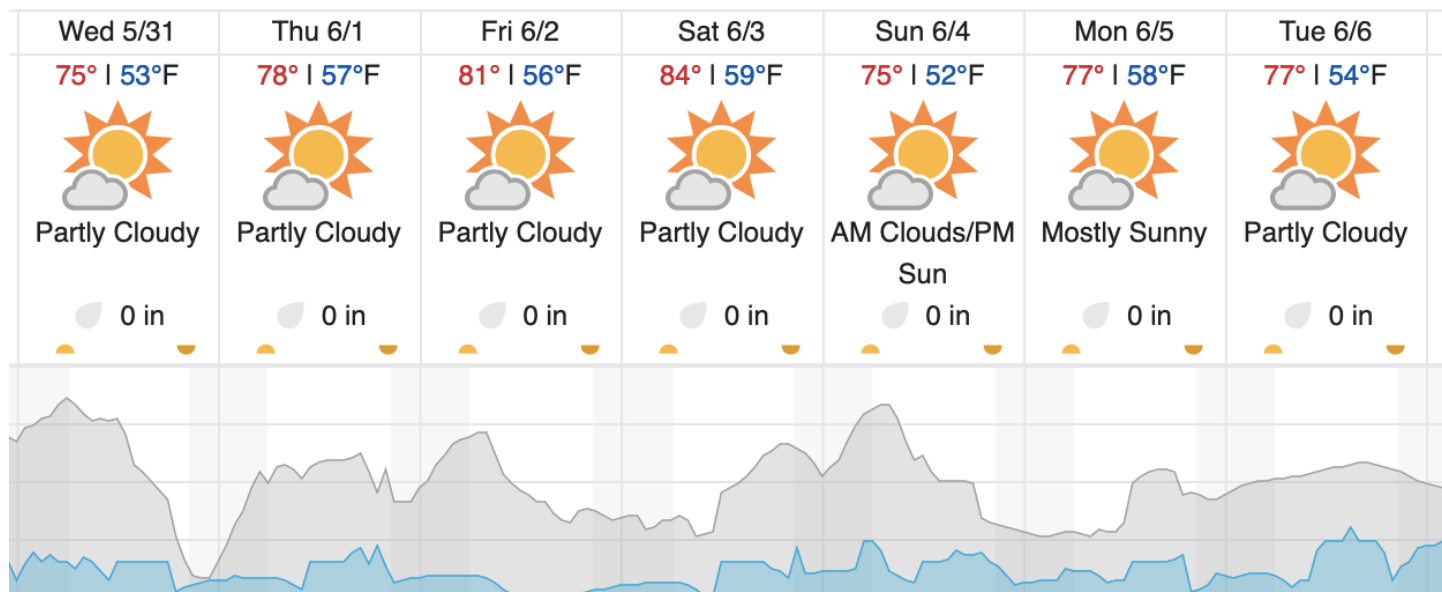
Front Royal, VA (SCBI)



Annapolis, MD (SERC)



Pembroke, VA (MLBS)



source: wunderground.com

Flight Collection Plan for May 31, 2023

Flyority 1

Collection Area: Mountain Lake Biological Station (MLBS)

Flight Plan Name: D07_MLBS_R1_P1_v7_PRM.xml

On-Station Time: 1340UTC/ 0940 L

Flyority 2

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 3

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 4

Collection Area: Blandy Experimental Farm (BLAN)

Flight Plan Name: D02_BLAN_R2_P1_v3_PRM.xml

On-Station Time: 1330 UTC/ 0930 L

Flyority 5

Collection Area: Nominal Runway – D02 - KOKV

Flight Plan Name: D02_N02B_Nominal_Runway_Test_v1_PRM.xml

On-Station Time: N/A

Crew: Cam (Lidar), Abee (NIS)