



May 20, 2019 Payload 2 Daily Flight Report



Date: 2019-05-20

Flight Campaign ID: 2019_P2C1

Airport, FBO ID, City: Manassas Regional (KHEF) - Manassas, VA

Domain: 02

Sites Flown: None

Days left in Domain: 15

Report Author: Michael Wussow

Flight Crew: Abe Morrison, Michael Wussow

Ground/GPS: Mitch Haynes

Pilots: Justin Eddington, Mark Solper

Additional Personnel:

GPS Instruments:

Flight Hours: 00:00

Hours until maintenance: 38.57

Summary

Low clouds, turbulence, and wind shear came together for unfavorable weather conditions today. No flights were performed.

Concerns

--A faulty fuel boost pump in the plane will be fixed during our scheduled no-fly day tomorrow. The faulty boost pump has not caused any flight delays and the plane is still operational as it is. TOIL is sending a mechanic to perform the work.

Comments

--It was confirmed today that the current cabin sensor controller is compatible with the telemetry software upgrades

--The GPS08 battery was replaced at SERC today

--Robb Walker has arrived in D02

--Mike Wussow, Mitch Haynes, and Abe Morrison depart D02 tomorrow. Thanks for your efforts!

--Cameron Chapman arrives in D02 tomorrow

Pictures



Abe diligently assisting the Science team with a cabin sensor functionality test

Cumulative Domain Coverage

BLAN

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: 0% (0/33)
 Green: 0% (0/33)
 Yellow: 0% (0/33)
 Red: 0% (0/33)

N02A

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

SCBI

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: 0% (0/32)
 Green: 0% (0/32)
 Yellow: 0% (0/32)
 Red: 0% (0/32)

SERC

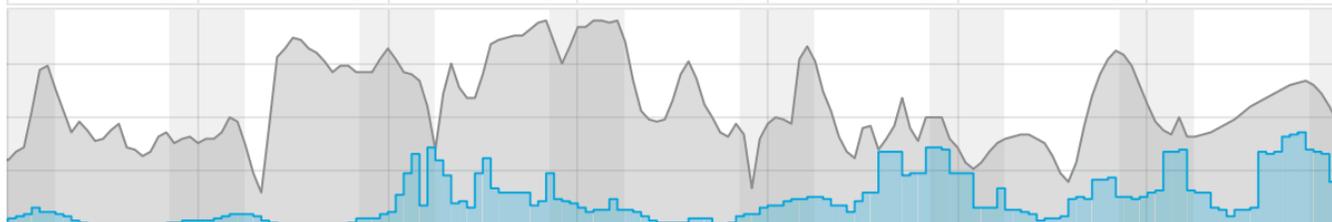
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26															

Flown: 54% (14/26)
 Green: 23% (6/26)
 Yellow: 31% (8/26)
 Red: 0% (0/26)

Weather Forecast

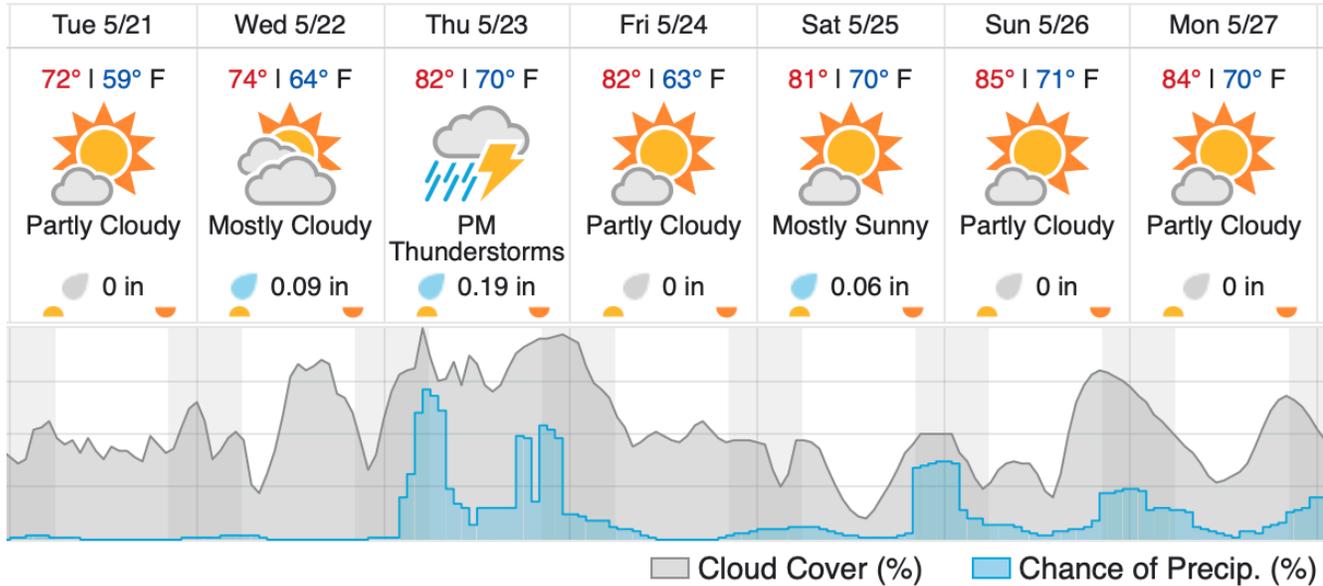
Front Royal, VA

Tue 5/21	Wed 5/22	Thu 5/23	Fri 5/24	Sat 5/25	Sun 5/26	Mon 5/27
71° 49° F	75° 62° F	87° 67° F	85° 61° F	87° 68° F	88° 68° F	87° 67° F
Partly Cloudy	Mostly Cloudy	Mostly Cloudy	Partly Cloudy	Isolated Thunderstorms	Partly Cloudy	PM Thunderstorms
0 in	0.02 in	0 in	0 in	0.06 in	0.02 in	0.09 in



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

Annapolis, MD



Flight Collection Plan for 21 May 2019

Scheduled no-fly day. No flights planned. Crews rotating.

Flight Collection Plan for 22 May 2019

Flyority1:

Collection Area: Smithsonian Conservation Biology Institute (SCBI)
 Flight Plan Name: D02_SCBI_C1_P1_v1.pln
 On Station Time: 09:40 L / 13:40 UTC

Flyority2:

Collection Area: Smithsonian Ecological Research Center (SERC)
 **Lines 2-4 & 18-26 If "Green" Conditions, include lines 5-11
 Flight Plan Name: D02_SERC_R1_P1_v1.pln
 On Station Time: 09:30 L / 13:30 UTC

Flyority3:

Collection Area: Blandy Experimental Farm (BLAN)
 Flight Plan Name: D02_BLAN_R2_P1_v2.pln
 On Station Time: 09:40 L / 13:40 UTC

Flyority4:

Collection Area: Nominal Runway – D02
 Flight Plan Name: D02_N02A_Nominal_Runway_Test_v1.pln
 On Station Time: N/A

Crew: Robb Walker (LiDAR), Cameron Chapman(NIS)