



June 3, 2019 Payload 2 Daily Flight Report



Date: 2019-06-03
Flight Campaign ID: 2019_P2C1
Airport, FBO ID, City: Manassas Regional (KHEF) - Manassas, VA

Domain: 02
Sites Flown: None
Days left in Domain: 1

Report Author: Mitch Haynes
Flight Crew: Mitch Haynes, Cameron Chapman
Ground/GPS: Abe Morrison
Pilots: Justin Eddington, Chad Evans
Additional Personnel:
GPS Instruments: n/a

Flight Hours: 00:00
Hours until maintenance: 24.80

Summary

With initial coverage complete, the crew only looked to “green up” or improve lines as sky conditions allowed. A high cirrus layer dominating the region lingered throughout most of the morning, eventually moving towards the southwest, at which point just enough low puffy cumulus clouds remained to prevent a green collect. No flight was attempted. Crew remains hopeful that a green collect may occur tomorrow, as high pressure finally settled into the region and clearing skies after solar angle had expired.

Concerns

- P2’s Telemetry system not sending scheduled status updates, but Andrew is officially on the case.
- A number of NIS lines failed QA Checks failed during the 2019060118 flight over SERC; Alok is also on the case.

Comments

- RAID 10 was shipped back to the Denver Data center.
- Tomorrow is the last day of flights in D02. Transit to D17 will begin Wednesday, with a stopover in Grand Junction, CO planned for aircraft maintenance. Pilots are monitoring a frontal system moving across the country Wednesday that may impact transit plans.

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: 100% (33/33)
 Green: 0% (0/33)
 Yellow: 0% (0/33)
 Red: 103% (34/33)

N02A

1

Flown: 100% (1/1)
 Green: 0% (0/1)
 Yellow: 0% (0/1)
 Red: 100% (1/1)

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: 100% (32/32)

Green: 0% (0/32)

Yellow: 0% (0/32)

Red: 103% (33/32)

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															

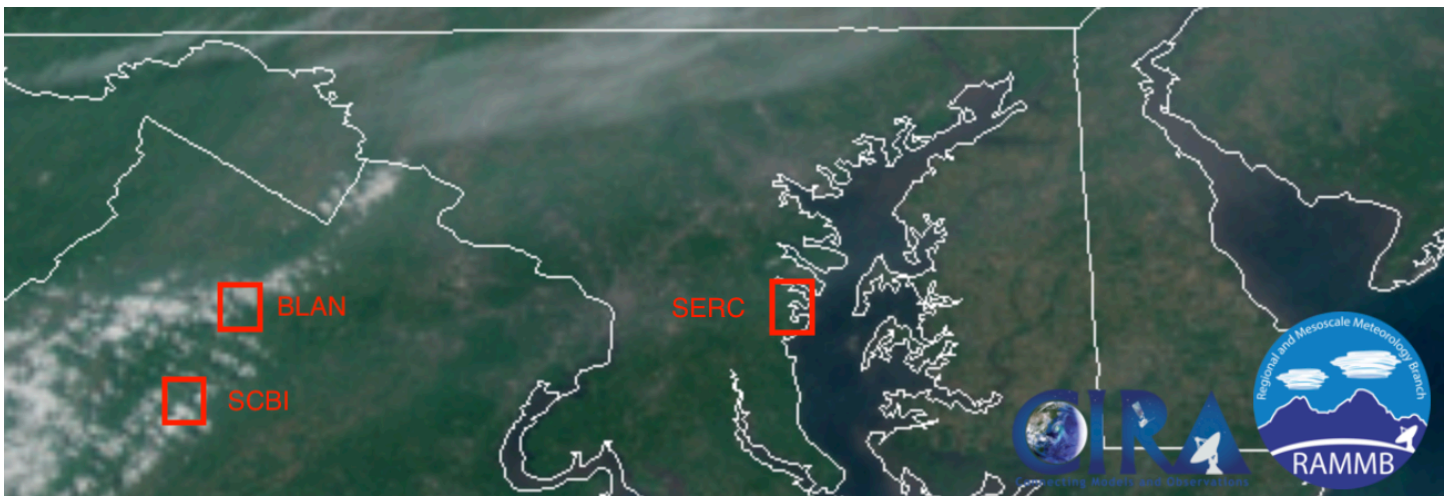
Flown: 100% (26/26)

Green: 23% (6/26)

Yellow: 31% (8/26)

Red: 50% (13/26)

Pictures

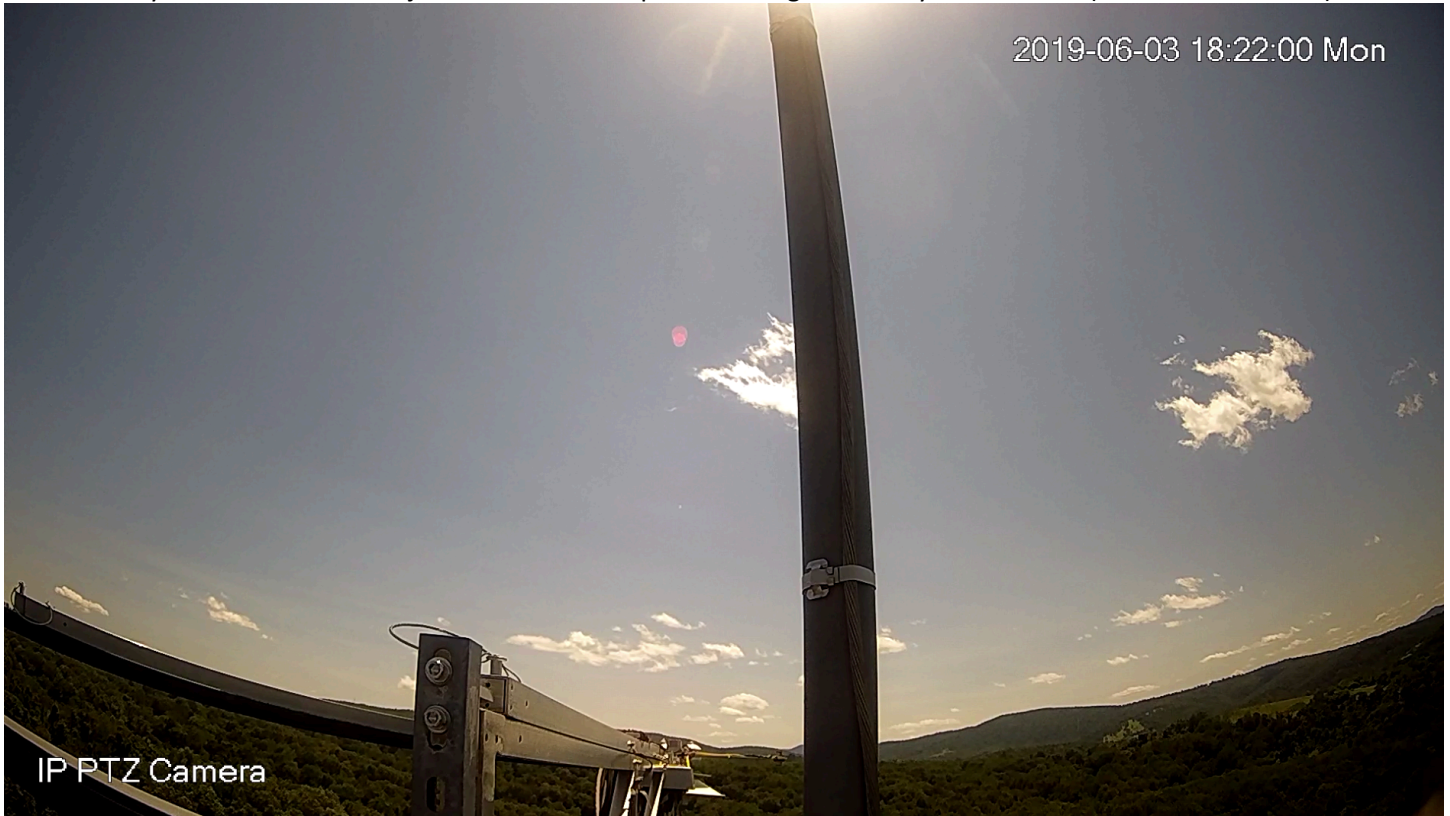


Above: High cirrus layer spread across the region, gradually moving to the SW throughout the day.

Below: Same cirrus layer visible in Annapolis (via public webcam).

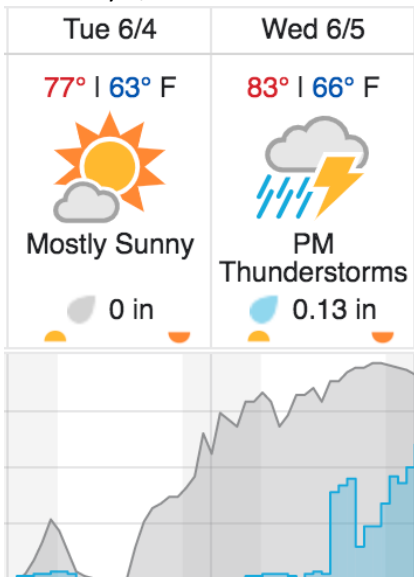


Below: Pesky low cumulus clouds just refused to dissipate after high cirrus layer moved on (via SCBI tower cam).

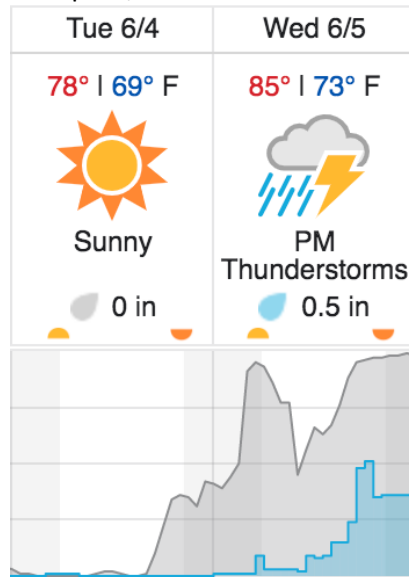


Weather Forecast

Front Royal, VA



Annapolis, MD



Flight Collection Plan for 4 June 2019

Flyority1:

Collection Area: Smithsonian Conservation Biology Institute (SCBI)

**If "Green" Conditions

Flight Plan Name: D02_SCBI_C1_P1_v1.pln

On Station Time: 09:30 L / 13:30 UTC

Flyority2:

Collection Area: Smithsonian Ecological Research Center (SERC)

**Lines 1-11 & 18-26 If "Green" Conditions

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)

**If "Green" Conditions

Flight Plan Name: D02_BLAN_R2_P1_v2.pln

On Station Time: 09:30 L / 13:30 UTC

Crew: Abe Morrison (Lidar), Mitch Haynes (NIS), Cameron Chapman (Ground/GPS)

Flight Collection Plan for 5 June 2019

Flyority 1: Begin transit to Grand Junction, CO for maintenance

Crew: Cameron Chapman