



## May 21, 2018 Payload 3 Daily Flight Report



**Date:** 2018-05-21

**Flight Campaign ID:** 2018\_P3C1

**Airport, FBO ID, City:** Asheville Regional Airport (KAVL) - Fletcher, NC

**Domain:** 07

**Sites Flown:** None

**Days left in Domain:** 26

**Report Author:** Robb Walker

**Flight Crew:** Robb Walker, Abe Morrison

**Flight Hours:** 00:00

**Ground/GPS:** Cameron Chapman

**Hours until maintenance:** 125.00

**Pilots:** Mike Francis, Hans Germann

**Additional Personnel:**

**GPS Instruments:** 09 - FBO\_KAVL, 07- AOP\_MLBS, 08-AOP\_GRSM, C-TN16, TDOT-TN1A

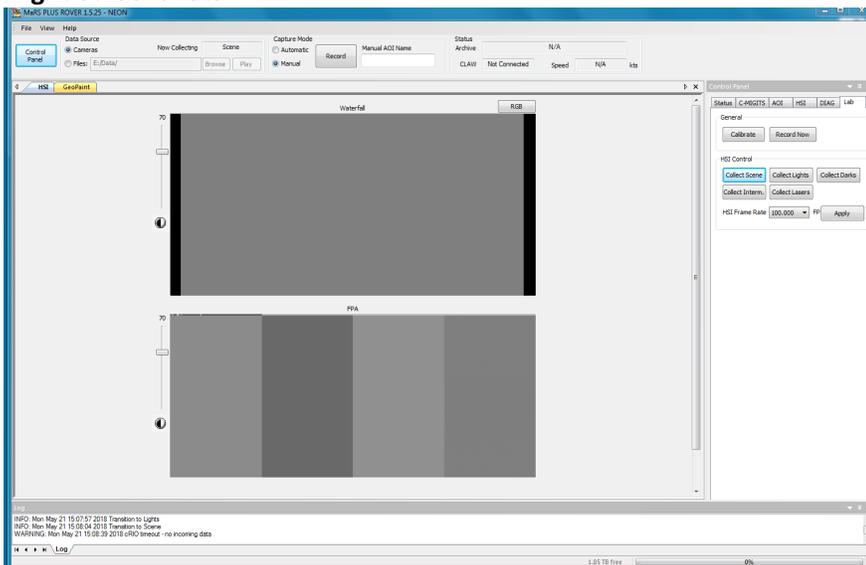
**Summary:** Low clouds over flight areas and scattered thunderstorms in the afternoon prevented flights today. Attempted to perform Hg lamp calibration collection, but ran into issues FPA and Waterfall displaying abnormally. Continued testing of camera operation and appears to be operating normally.

**Concerns:** While performing Hg lamp collection waterfall and FPA display had abnormal blocky appearance. Trouble shooting performed with lan, but issue is unresolved.

### Comments

- Pump was removed from system and attempted to perform Hg lamp calibration collection. Issues with FPA and waterfall displaying abnormally. Trouble-shooting continues.
- Camera testing performed outside hangar and image files appear to be copying to correct file locations.

### Flight Screenshots



Blocked appearance of FPA and Waterfall display (blocked appearance of waterfall not captured in this image)

**Pictures**



Sky conditions over KAVL.

**Cumulative Domain Coverage**

**GRSM\_P1**

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	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106														

Flown: 0% (0/106)

Green: 0% (0/106)

Yellow: 0% (0/106)

Red: 0% (0/106)

**GRSM\_P2**

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	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68												

Flown: 0% (0/68)

Green: 0% (0/68)

Yellow: 0% (0/68)

Red: 0% (0/68)

**MLBS**

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	34						

Flown: 0% (0/34)

Green: 0% (0/34)

Yellow: 0% (0/34)

Red: 0% (0/34)

**ORNL**

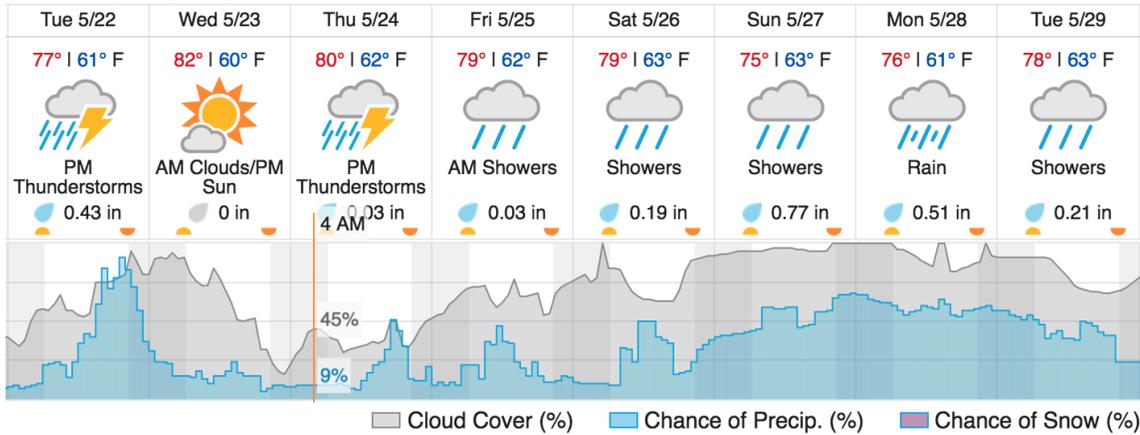
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61																			

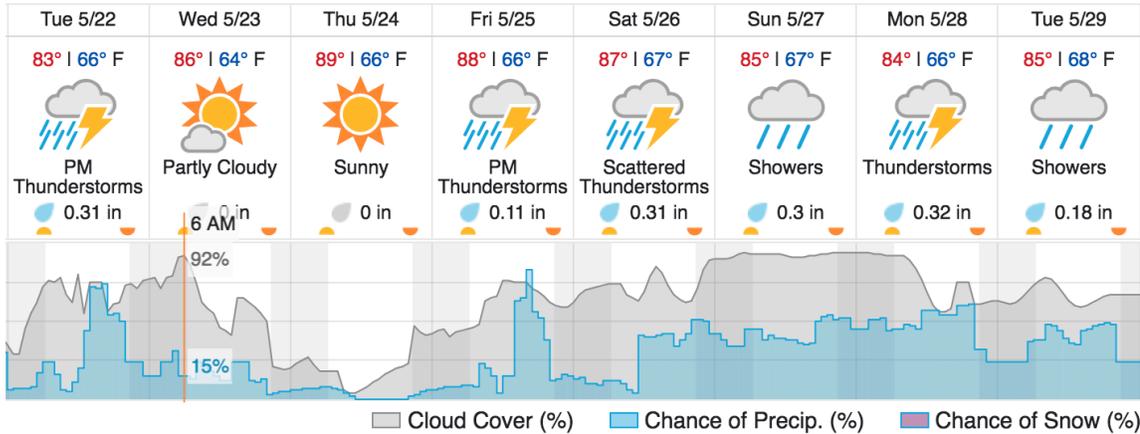
Flown: 100% (61/61)  
 Green: 25% (15/61)  
 Yellow: 61% (37/61)  
 Red: 18% (11/61)

### Weather Forecast

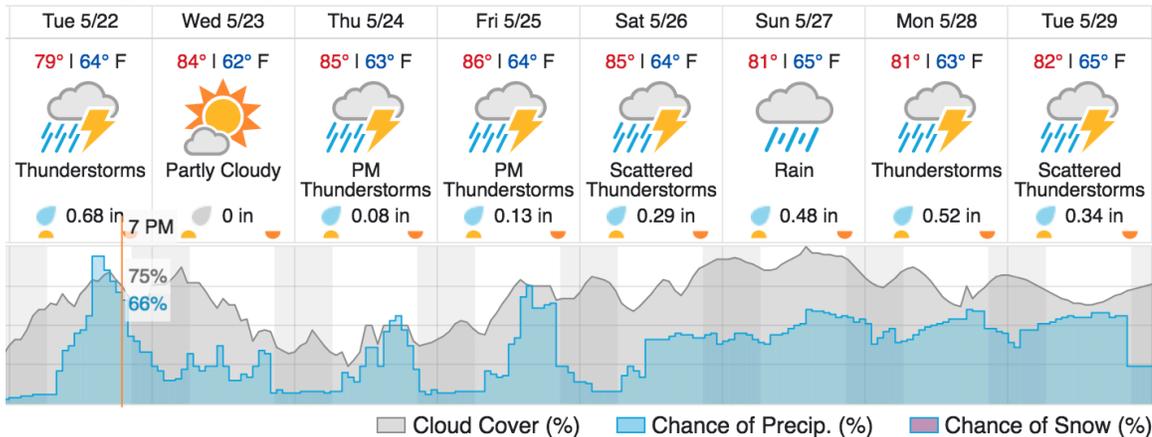
#### Asheville, NC (FBO)



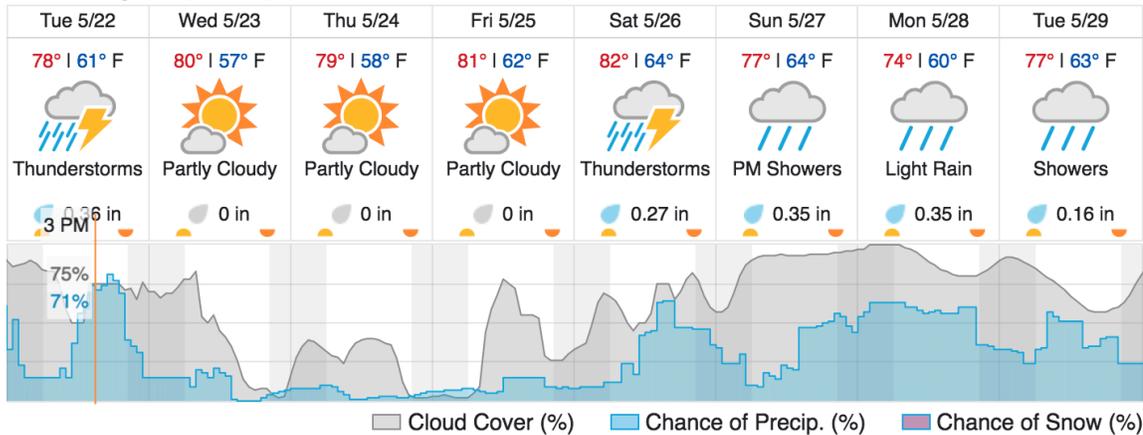
#### Oak Ridge, TN (ORNL)



#### Blacksburg, VA (MLBS)



## Gatlinburg, TN (GRSM)



### Flight Collection Plan for 22 May 2018:

#### Flyority 1:

Collection Area: Oak Ridge National Laboratory (ORNL) if Green conditions.

Flight Plan Name: D07\_ORNL\_C1\_P1\_v10\_east\_Q780 / D07\_ORNL\_C1\_P1\_v10\_west\_Q780

On-station Time: 1400 UTC / 1000 L

#### Flyority 2:

Collection Area: Great Smoky Mountains National Park – Priority 1 Flight Box (GRSM\_P1)

Flight Plan Name: D07\_GRSM\_R2\_P1\_v2\_Q780

On-station Time: 1400 UTC / 1000 L

#### Flyority 3:

Collection Area: Great Smoky Mountains National Park – Priority 2 Flight Box (GRSM\_P2)

Flight Plan Name: D07\_GRSM\_R2\_P2\_v2\_east\_Q780 / D07\_GRSM\_R2\_P2\_v2\_west\_Q780

On-station Time: 1400 UTC / 1000 L

Cameron Chapman (lidar), Robb Walker (nis), Abe Morrison (ground)

### Flight Collection Plan for 23 May 2018

#### Flyority 1:

Collection Area: Oak Ridge National Laboratory (ORNL) if Green conditions.

Flight Plan Name: D07\_ORNL\_C1\_P1\_v10\_east\_Q780 / D07\_ORNL\_C1\_P1\_v10\_west\_Q780

On-station Time: 1400 UTC / 1000 L

#### Flyority 2:

Collection Area: Great Smoky Mountains National Park – Priority 1 Flight Box (GRSM\_P1)

Flight Plan Name: D07\_GRSM\_R2\_P1\_v2\_Q780

On-station Time: 1400 UTC / 1000 L

#### Flyority 3:

Collection Area: Great Smoky Mountains National Park – Priority 2 Flight Box (GRSM\_P2)

Flight Plan Name: D07\_GRSM\_R2\_P2\_v2\_east\_Q780 / D07\_GRSM\_R2\_P2\_v2\_west\_Q780

On-station Time: 1400 UTC / 1000 L

Abe Morrison (lidar), Cameron Chapman (nis), Robb Walker (ground)

**Starting 25 May 2018**

**Flyority 1:**

Collection Area: Mountain Lake Biological Station (MLBS)

Flight Plan Name: D07\_MLBS\_R1\_P1\_v6\_Q780

On-station Time: 1340 UTC / 0940 L