



## May 22, 2018 Payload 3 Daily Flight Report



**Date:** 2018-05-22

**Flight Campaign ID:** 2018\_P3C1

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

**Domain:** 07

**Sites Flown:** None

**Days left in Domain:** 25

**Report Author:** Cameron Chapman

**Flight Crew:** Cameron Chapman, Robb Walker

**Ground/GPS:** Abe Morrison

**Pilots:** Mike Francis, Hans Germann

**Additional Personnel:**

**Flight Hours:** 00:00

**Hours until maintenance:** 125.00

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

**Summary:** No flights were attempted due to low clouds and rain showers in the region.

**Concerns:** The NIS is presumably inoperable and a ticket has been open. The flight crew will continue to troubleshoot in conjunction with the lab.

**Comments:** None

**Flight Screenshots:** None

**Pictures:** None

**Daily Coverage:** N/A

## 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
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)

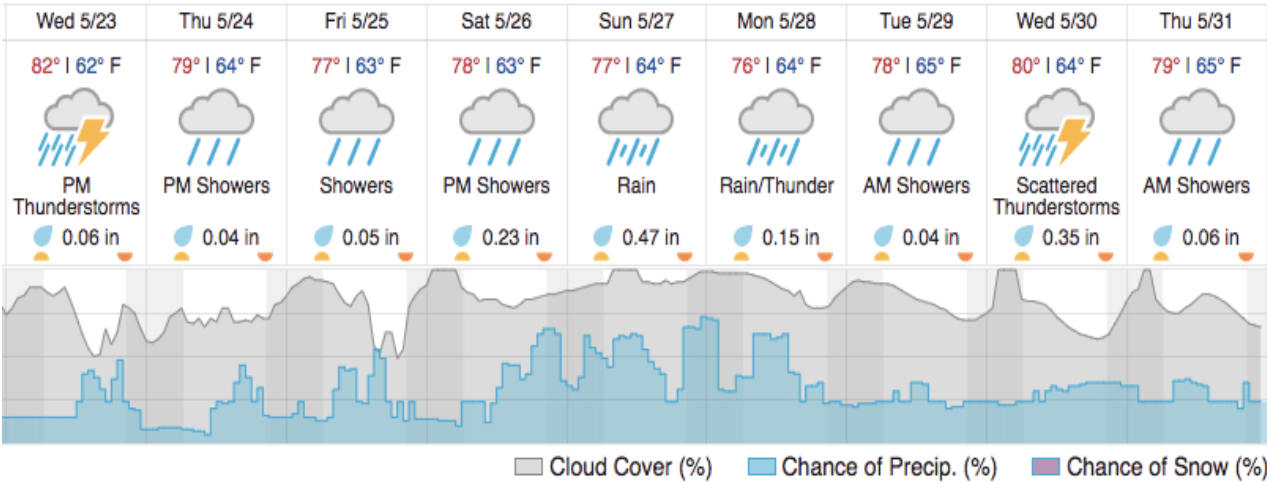
Green: 25% (15/61)

Yellow: 61% (37/61)

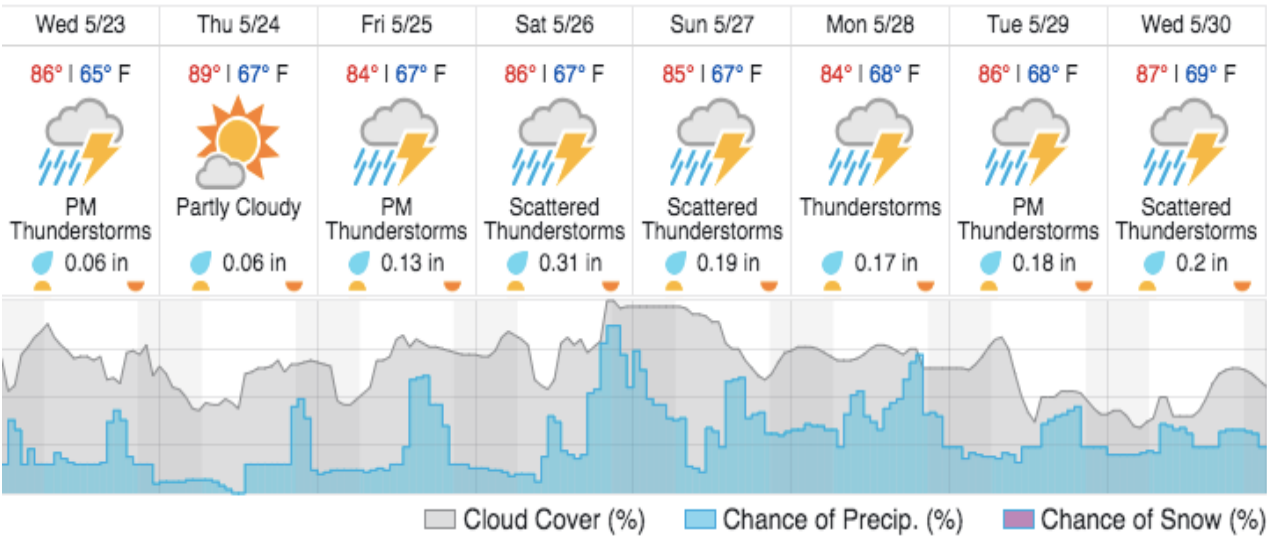
Red: 18% (11/61)

Weather Forecast

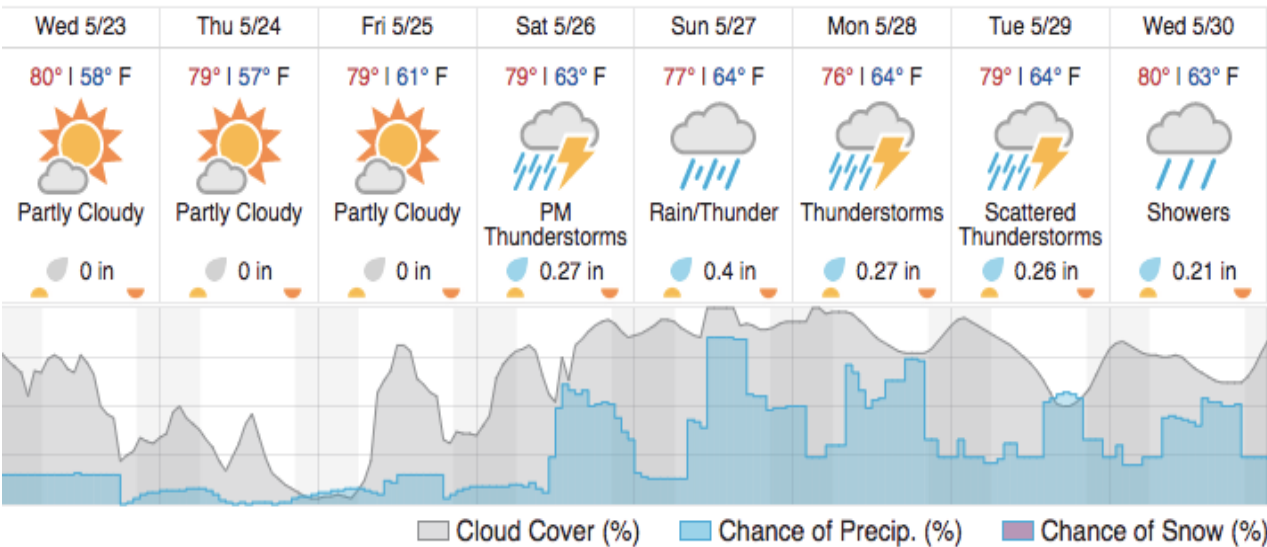
Asheville, NC (FBO)



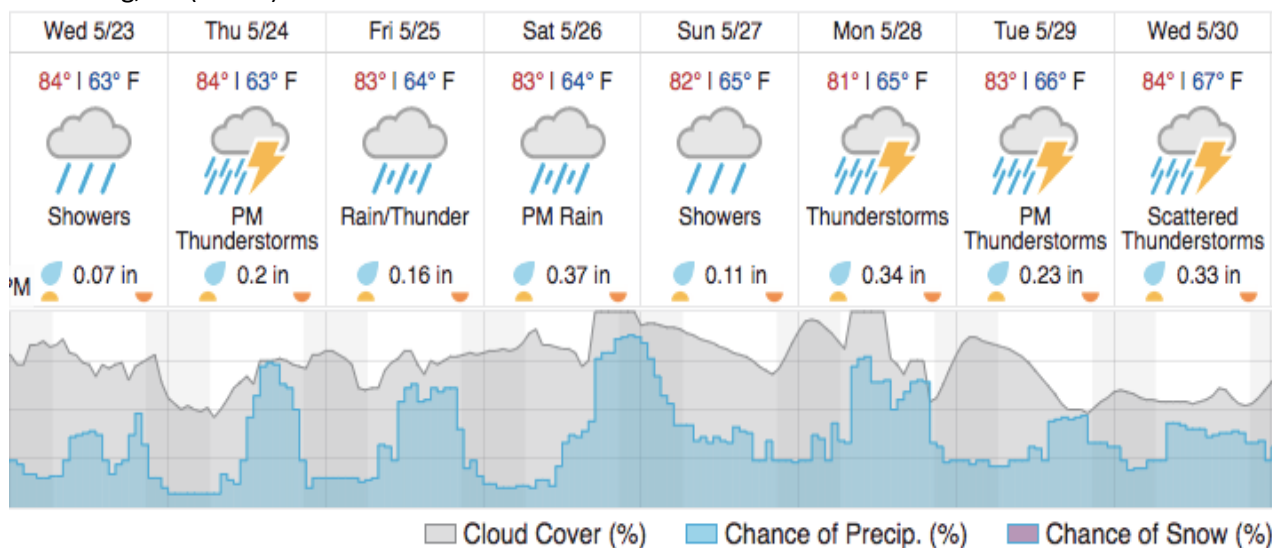
Oak Ridge, TN (ORNL)



Blacksburg, VA (MLBS)



## Gatlinburg, TN (GRSM)



## Flight Collection Plan for 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)

## Flight Collection Plan for 24 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

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

**New Issues**

<b>Fault:</b> Spectrometer	<b>Open Date:</b> 5/22/2018
NIS-3 FPA Display is showing up as 4 solid gray boxes. Trouble-shooting was performed by cycling power to both NIS and entire system with no results. Additional trouble-shooting was performed on 5/22/18 with support from Ian and direction from JPL to identify problem. It was indicated that the FPIE may not be starting up properly and the following items were tested: 1) All LEDs are green and illuminate when FPIE PSU is powered on., 2) There are 2 clicks (one when initially powered on and one 2 seconds after power applied) heard from FPIE box when FPIE PSU powered down for at least 10 sec., 3) FPIE PSU fan was heard inside power box.	