



## May 30, 2018 Payload 3 Daily Flight Report



**Date:** 2018-05-30

**Flight Campaign ID:** 2018\_P3C1

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

**Domain:** 07

**Sites Flown:**

**Days left in Domain:** 17

**Report Author:** Abe Morrison

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

**Flight Hours:** 00:00

**Ground/GPS:** Ivana Vu

**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

The rains came again to add to an already epic amount of water in the region. Rivers and streets were flooded, and in some places converged into one beast! However, the crew is seeing a glimmer of hope in next week's forecast!!!

### Concerns

- The FPIE PSU and FPIE box are at JPL and the current report is that they checked out ok. It was requested that several more cables in the FPIE system be removed from the plane and shipped to JPL for testing. That was done today, and the cables should arrive at JPL tomorrow. Science Flights will continue when this issue is resolved.

-The crew is still monitoring the flooding situation and taking all necessary safety precautions.

### Comments

-3 Cables removed from the FPIE system and sent to JPL.

### Pictures



Ivana Vu at the Hangar in Asheville checking on the current sky conditions. Photo by Abe Morrison

## 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)

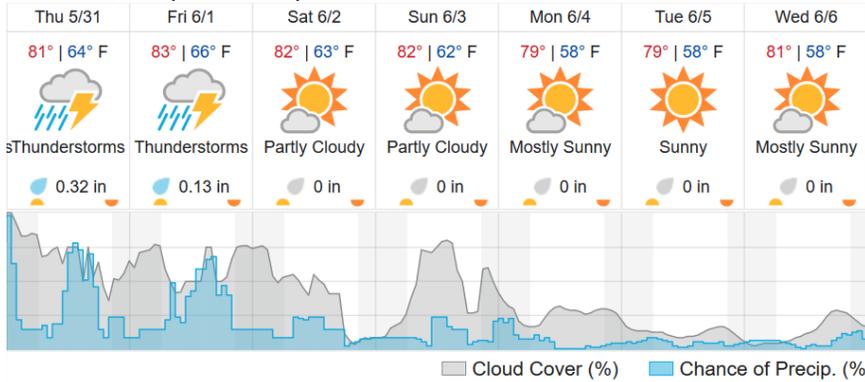
Green: 25% (15/61)

Yellow: 61% (37/61)

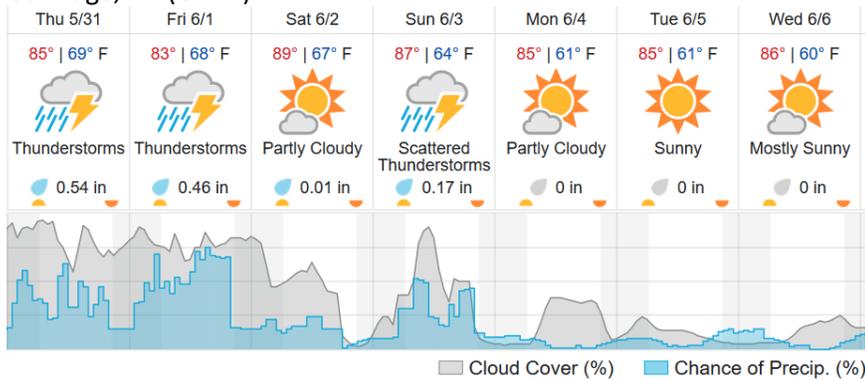
Red: 18% (11/61)

## Weather Forecast

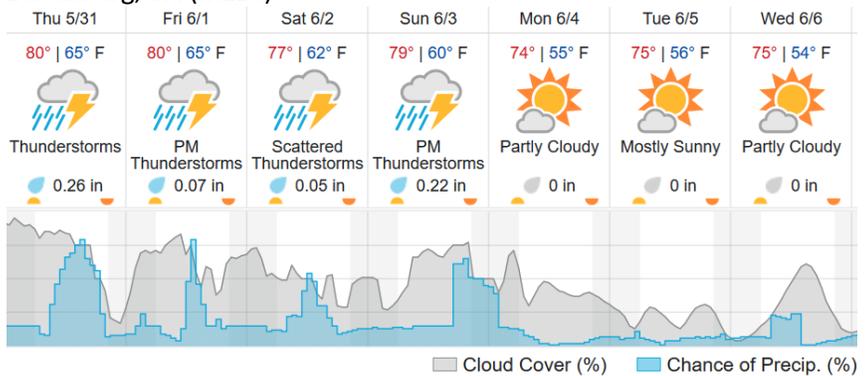
### Asheville, NC (FBO-KAVL)



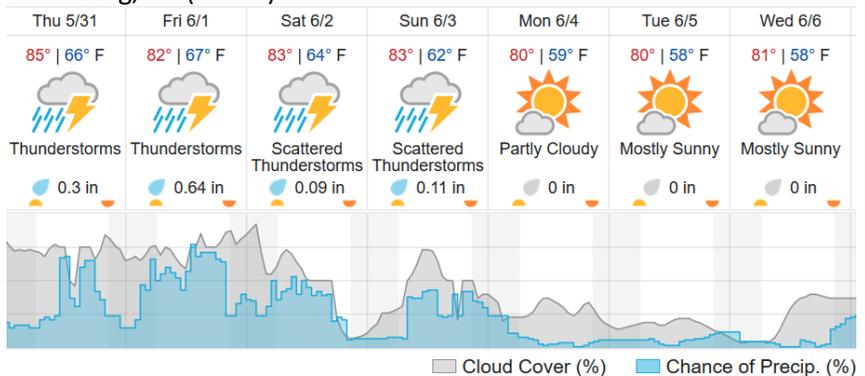
### Oakridge, TN (ORNL)



### Blacksburg, VA (MLBS)



### Gatlinburg, TN (GRSM)



**Flight Collection Plan for 31 May 2018:**

**Flyority 1:**

Collection Area: Camera Boresight at GRSM

Flight Plan Name: D07\_B07A\_Cam\_Boresight\_v2\_Q780

On-station Time: 1400 UTC / 1000 L

**Flyority 2:**

Collection Area: Nominal Forest Survey at GRSM

Flight Plan Name: D01\_J07B\_Nominal\_Forest\_Survey\_v2

On-station Time: 1400 UTC / 1000 L

**Crew:** Ivana Vu (Lidar), Abe Morrison (NIS), Robb Walker (Ground)

**Flight Collection Plan for 1 June 2018:**

**Flyority 1:**

Collection Area: Camera Boresight at GRSM

Flight Plan Name: D07\_B07A\_Cam\_Boresight\_v2\_Q780

On-station Time: 1400 UTC / 1000 L

**Flyority 2:**

Collection Area: Nominal Forest Survey at GRSM

Flight Plan Name: D01\_J07B\_Nominal\_Forest\_Survey\_v2

On-station Time: 1400 UTC / 1000 L

**Crew:** Robb Walker (Lidar), Ivana Vu (NIS), Abe Morrison (Ground)