



## June 19, 2018 Payload 3 Daily Flight Report



**Date:** 2018-06-19

**Flight Campaign ID:** 2018\_P3C1

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

**Domain:** 07

**Sites Flown:** None

**Days left in Domain:** 4

**Report Author:** Ivana Vu

**Flight Crew:** None

**Ground/GPS:** Mitch Haynes

**Pilots:** Gina Moore, Dylan Malfatti

**Additional Personnel:** None

**GPS Instruments:** None

**Flight Hours:** 00:00

**Hours until maintenance:** 97.62

### **Summary**

Today was a scheduled no-fly day. Data collection and training flights will continue tomorrow if weather permits.

### **Concerns**

None

### **Comments**

- Mitch changed the battery on GPS08 (GRSM)
- Crew rotation: Abe Morrison departed D07, Heather Rogers and Cameron Chapman arrive today.

## Pictures

View of today's clouds from Charlies Bunion overlook, along the portion of the Appalachian Trail within Great Smoky Mountains National Park. (Photo credit: Mitch Haynes)



## Cumulative Domain Coverage

Lidar and Camera Flights without Spectrometer

Camera Boresight at GRSM

Nominal Forest Survey at GRSM

MLBS: Lines 1, 6-25

GRSM\_P1: Lines 1, 51-73, 102-106

## 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: 15% (16/106)

Green: 0% (0/106)

Yellow: 11% (12/106)

Red: 4% (4/106)

**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: 100% (34/34)  
 Green: 0% (0/34)  
 Yellow: 0% (0/34)  
 Red: 100% (34/34)

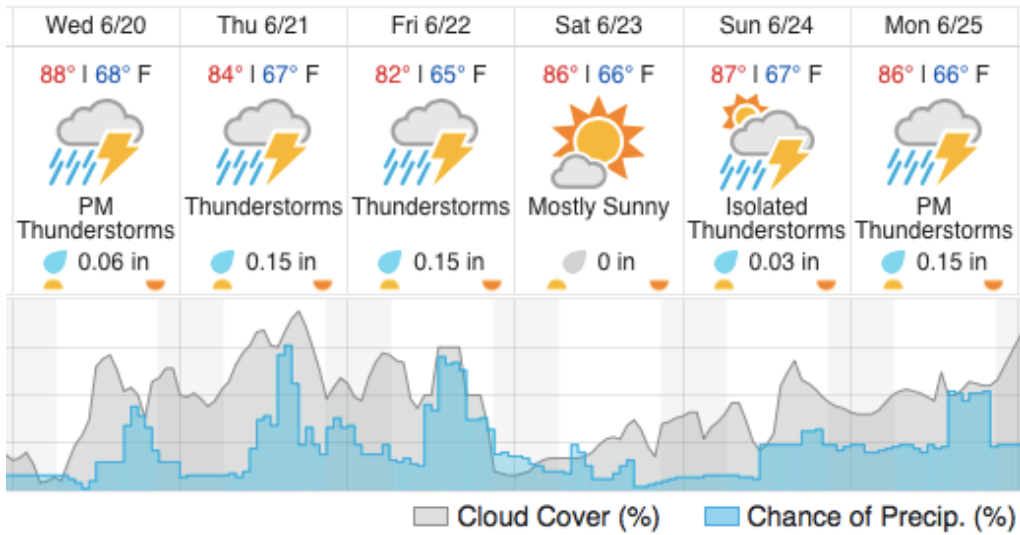
**ORNL**

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																			

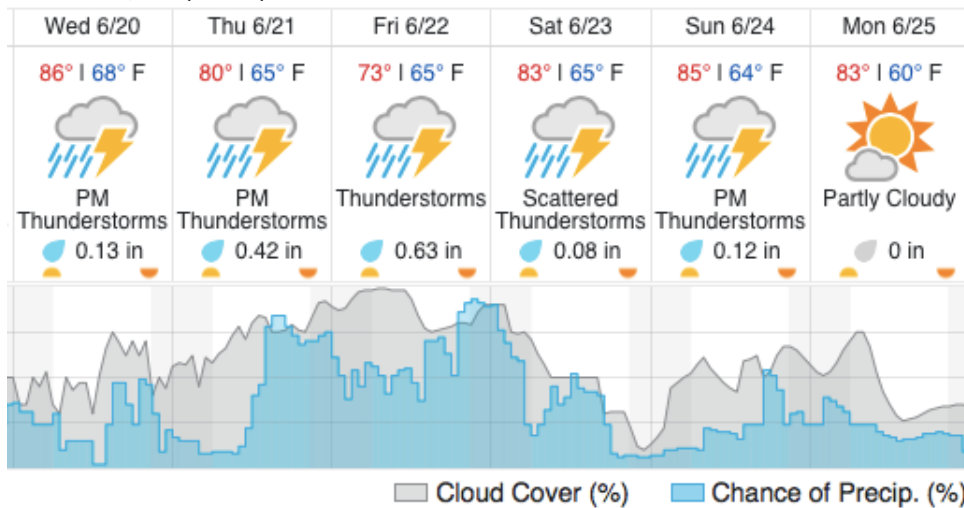
Flown: 100% (61/61)  
 Green: 25% (15/61)  
 Yellow: 61% (37/61)  
 Red: 18% (11/61)

**Weather Forecast**

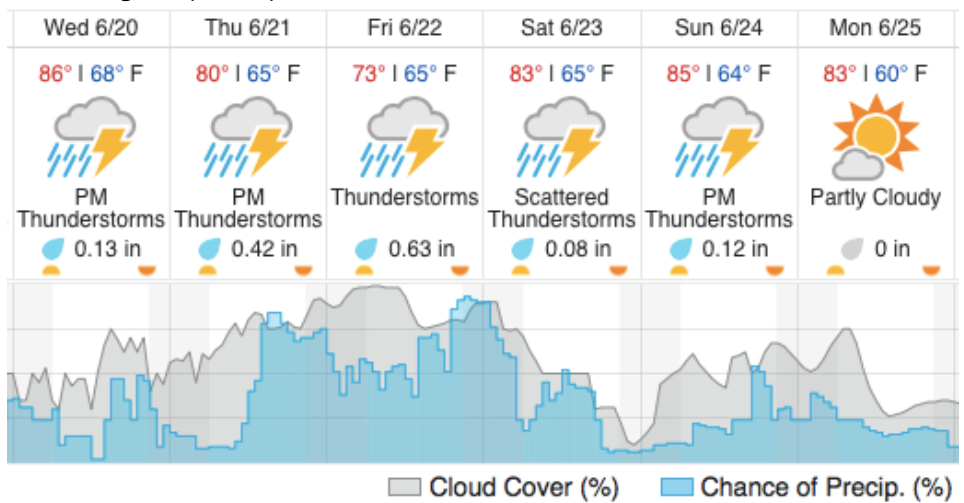
Asheville, NC (FBO)



Pembroke, VA (MLBS)



Gatlinburg, TN (GRSM)



**Flight Collection Plan for 20 June 2018**

**Flyority 1:**

Collection Area: Mountain Lake Biological Station (MLBS) **\*\*If Green Conditions\*\***

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

On-station Time: 1340 UTC / 0940 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: 1350 UTC / 0950 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: 1350 UTC / 0950 L

**Flyority 4:**

Collection Area: Oak Ridge National Laboratory (ORNL)

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

On-station Time: 1400 UTC / 1000 L

**Crew:** Mitch Haynes (Lidar Trainer), Heather Rogers (Lidar Trainee), Cameron Chapman (NIS)

**Flight Collection Plan for 20 June 2018**

**Flyority 1:** Same as previous day

**Crew:** Heather Rogers (Lidar), Cameron Chapman (Lidar Observer), Mitch Haynes (NIS)