



June 14, 2018 Payload 3 Daily Flight Report



**Date:** 2018-06-14  
**Flight Campaign ID:** 2018\_P3C1  
**Airport, FBO ID, City:** Asheville Regional Airport (KAVL) - Fletcher, NC

**Domain:** 07  
**Sites Flown:** None  
**Days left in Domain:** 11

**Report Author:** Mitch Haynes  
**Flight Crew:** Mitch Haynes, Ivana Vu  
**Ground/GPS:** Abe Morrison  
**Pilots:** Mike Francis, Gina Moore  
**Additional Personnel:**  
**GPS Instruments:**

**Flight Hours:** 00:00  
**Hours until maintenance:** 110.95

**Summary**

Early forecasts looked promising that the flight crew might be able to sneak under the clouds for a collect, however clouds continued their pattern of forming at and below flight altitude, preventing any collects from occurring today.

**Concerns**

None

**Comments**

None

**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: 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**

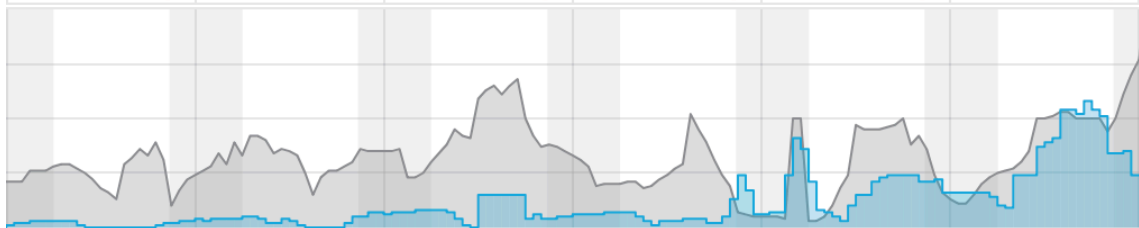
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61																			

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

**Weather Forecast**

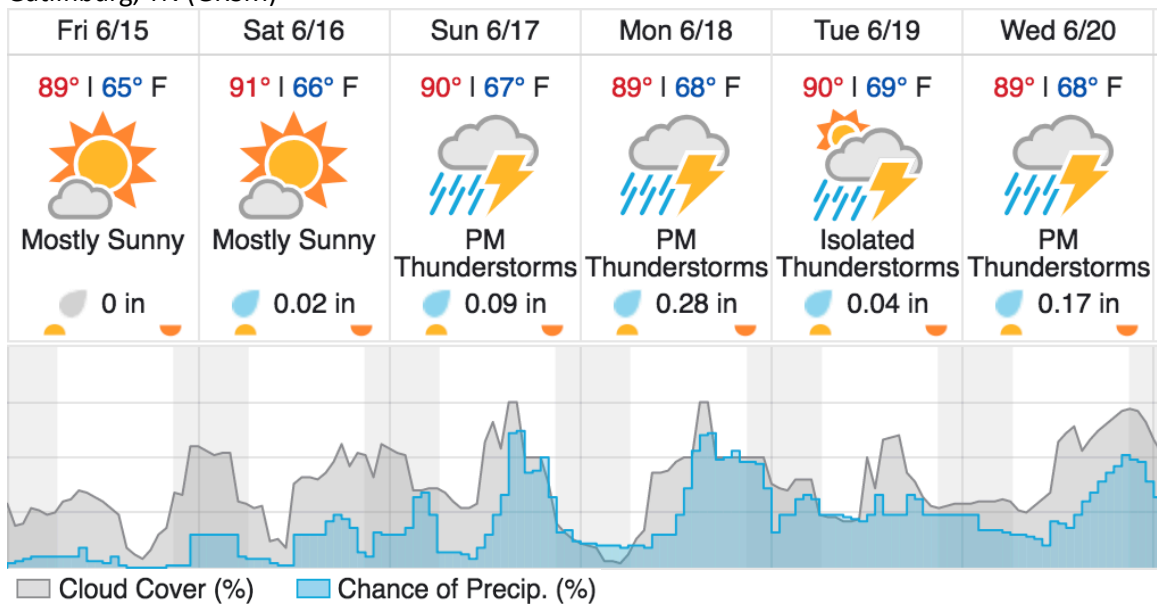
Pembroke, VA (MLBS)

Fri 6/15	Sat 6/16	Sun 6/17	Mon 6/18	Tue 6/19	Wed 6/20
82°   60° F	84°   63° F	88°   66° F	89°   68° F	88°   68° F	85°   66° F
					
Mostly Sunny	Mostly Sunny	Partly Cloudy	Mostly Sunny	Mostly Sunny	Scattered Thunderstorms
0 in	0 in	0 in	0.03 in	0 in	0.33 in



Cloud Cover (%)    Chance of Precip. (%)

Gatlinburg, TN (GRSM)



**Flight Collection Plan for 15 June 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

**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:** Abe Morrison (Lidar), Mitch Haynes (NIS), Ivana Vu (Ground)