



## June 15, 2018 Payload 3 Daily Flight Report



**Date:** 2018-06-15

**Flight Campaign ID:** 2018\_P3C1

**Airport, FBO ID, City:** Greenbrier Valley Airport (KLWB) - Lewisburg, WV

**Domain:** 07

**Sites Flown:** MLBS (Mountain Lake Biological Station )

**Days left in Domain:** 10

**Report Author:** Abe Morrison

**Flight Crew:** Abe Morrison, Mitch Haynes

**Ground/GPS:** Ivana Vu

**Pilots:** Mike Francis, Gina Moore

**Additional Personnel:**

**GPS Instruments:** 07 - MLBS, 09 - FBO\_KAVL

**Flight Hours:** 04:06, 2:56

**Hours until maintenance:** 102.52

### Summary

The Crew finally got a full day of surveys in at MLBS. We were able to collect the entire 34 line box under red sky conditions. It took 2 flights to finish it with a fuel stop in Lewisburg WV.

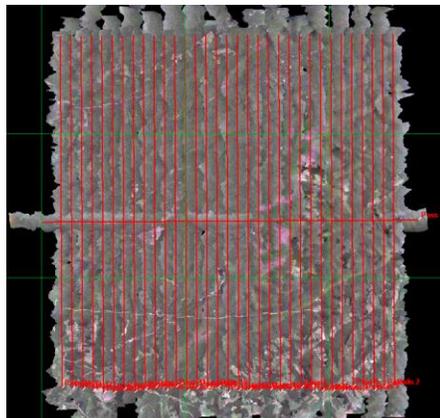
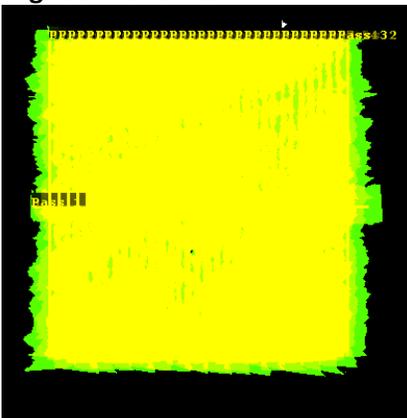
### Concerns

The UPS 3000 continues to not charge the top battery bank. The batteries were swapped today in flight to charge both packs.

### Comments

None

### Flight Screenshots



### Daily Coverage

D07 MLBS	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✓	NLC
	2				✓	✓	✓	NLC
	3				✓	✓	✓	NLC
	4				✓	✓	✓	NLC
	5				✓	✓	✓	NLC
	6				✓	✓	✓	NLC
	7				✓	✓	✓	NLC
	8				✓	✓	✓	NLC
	9				✓	✓	✓	NLC
	10				✓	✓	✓	NLC
	11				✓	✓	✓	NLC
	12				✓	✓	✓	NLC
	13				✓	✓	✓	NLC
	14				✓	✓	✓	NLC
	15				✓	✓	✓	NLC
	16				✓	✓	✓	NLC
	17				✓	✓	✓	NLC
	18				✓	✓	✓	NLC
	19				✓	✓	✓	NLC
	20				✓	✓	✓	NLC
	21				✓	✓	✓	NLC
	22				✓	✓	✓	NLC
	23				✓	✓	✓	NLC
	24				✓	✓	✓	NLC
	25				✓	✓	✓	NLC
	26				✓	✓	✓	NLC
	27				✓	✓	✓	NLC
	28				✓	✓	✓	NLC
	29				✓	✓	✓	NLC
	30				✓	✓	✓	NLC
	31				✓	✓	✓	NLC
	32				✓	✓	✓	NLC
	33				✓	✓	✓	NLC
	34				✓	✓	✓	NLC
Flown:	34							

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

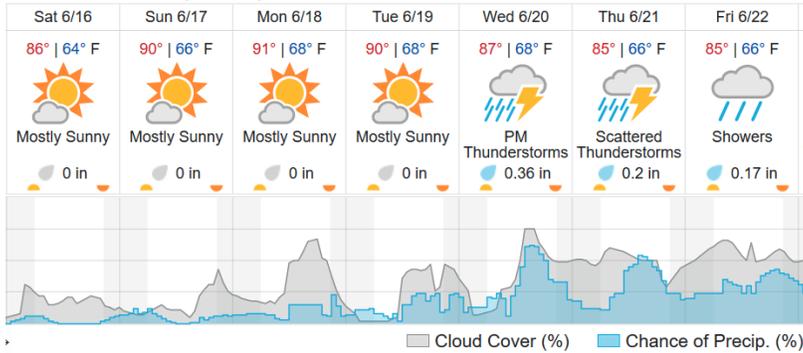
**ORNL**

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																			

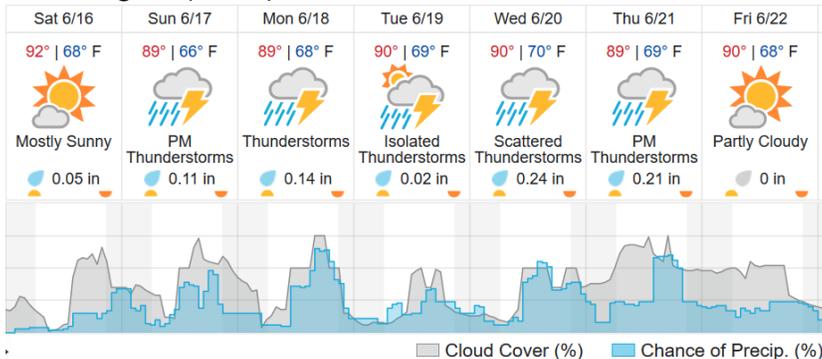
Flown: 100% (61/61)  
 Green: 25% (15/61)  
 Yellow: 61% (37/61)  
 Red: 18% (11/61)

**Weather Forecast**

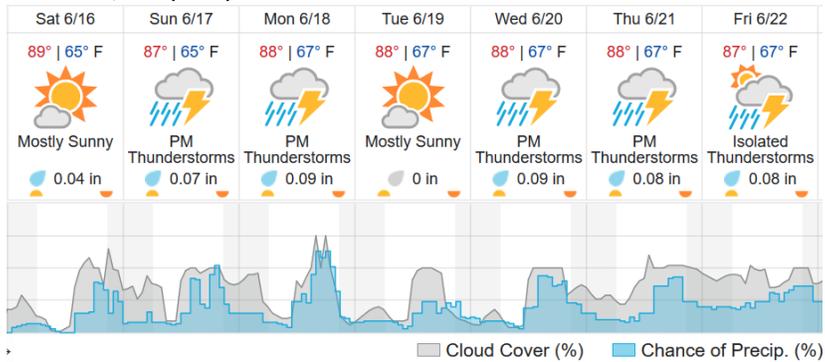
**Pembroke, VA (MLBS)**



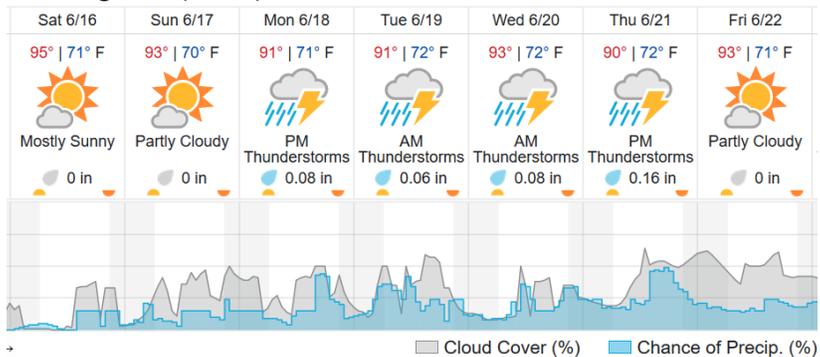
**Gatlinburg, TN (GRSM)**



## Asheville, NC (FBO)



## Oak Ridge, TN (ORNL)



## Flight Collection Plan for 16 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:** Ivana Vu (Lidar), Abe Morrison (NIS)