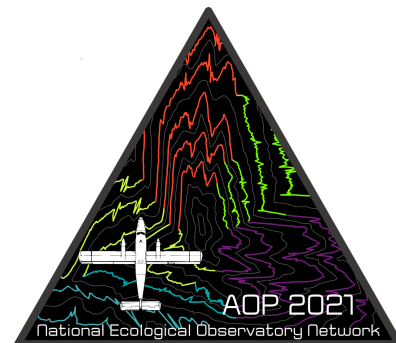




## Payload 1 Daily Flight Report



**Date:** 2021-05-08

**Flight Campaign ID:** P1C2

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

**Aircraft:** N331AR

**Domain:** 07 (Appalachians & Cumberland Plateau)

**Sites Flown:** None

**Days left in Domain:** 53

**Report Author:** Ivana Vu

**Lidar Operators:** Ivana Vu

**Spectrometer Operators:** Elissa Barris

**Pilots:** Justin Eddington, Will Mathews

**Flight Hours:** 00:00

**Hours until maintenance:** 83.38

### Summary

The spectrometer is currently being vacuum pumped and should be ready for data collection by Monday morning.

### Concerns

None

### Comments

- NIS getter was re-activated
- An aircraft behind the Twin Otter was moved this morning and the FBO does not expect any more shuffling of planes
- GPS05 (FBO\_KAVL) is online at a new location closer to Hangar 9

### Pictures from Thursday's transit to Asheville

Salina, KS



Bull Shoals Lake, AK



Nantahala National Forest, NC



Cumulative Domain Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

D07 | GRSM\_P1 (Great Smoky Mountains National Park Priority 1 )

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											

Flown: 0% (0/69)  
Green: 0% (0/69)  
Yellow: 0% (0/69)  
Red: 0% (0/69)

D07 | GRSM\_P2 (Great Smoky Mountains National Park Priority 2)

70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
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Flown: 0% (0/19)  
Green: 0% (0/19)  
Yellow: 0% (0/19)  
Red: 0% (0/19)

D07 | MLBS (Mountain Lake Biological Station )

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)

D07 | N07A (D07 Nominal Runway )

1
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Flown: 0% (0/1)  
Green: 0% (0/1)  
Yellow: 0% (0/1)  
Red: 0% (0/1)

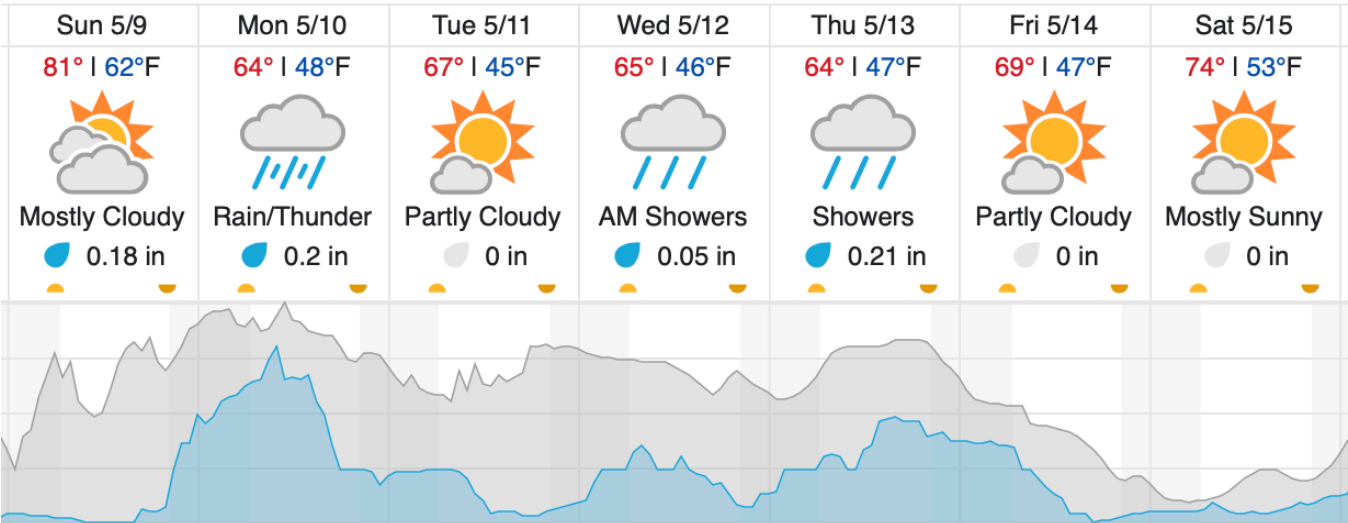
D07 | ORNL (Oak Ridge National Laboratory)

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																			

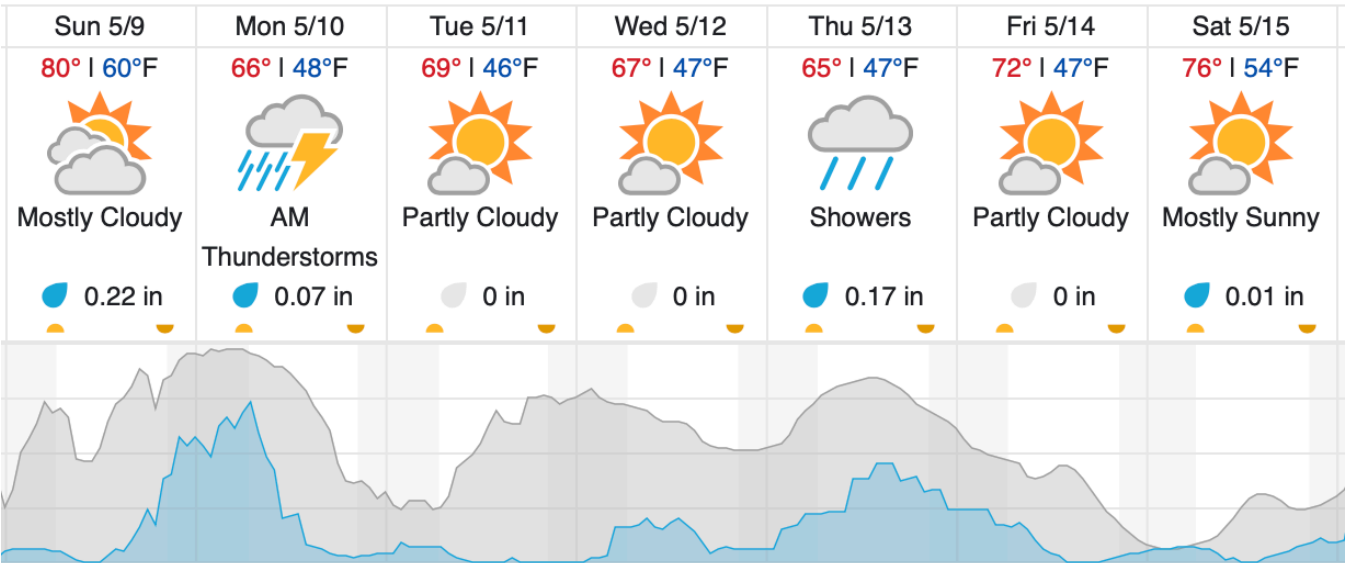
Flown: 0% (0/61)  
Green: 0% (0/61)  
Yellow: 0% (0/61)  
Red: 0% (0/61)

Weather Forecast

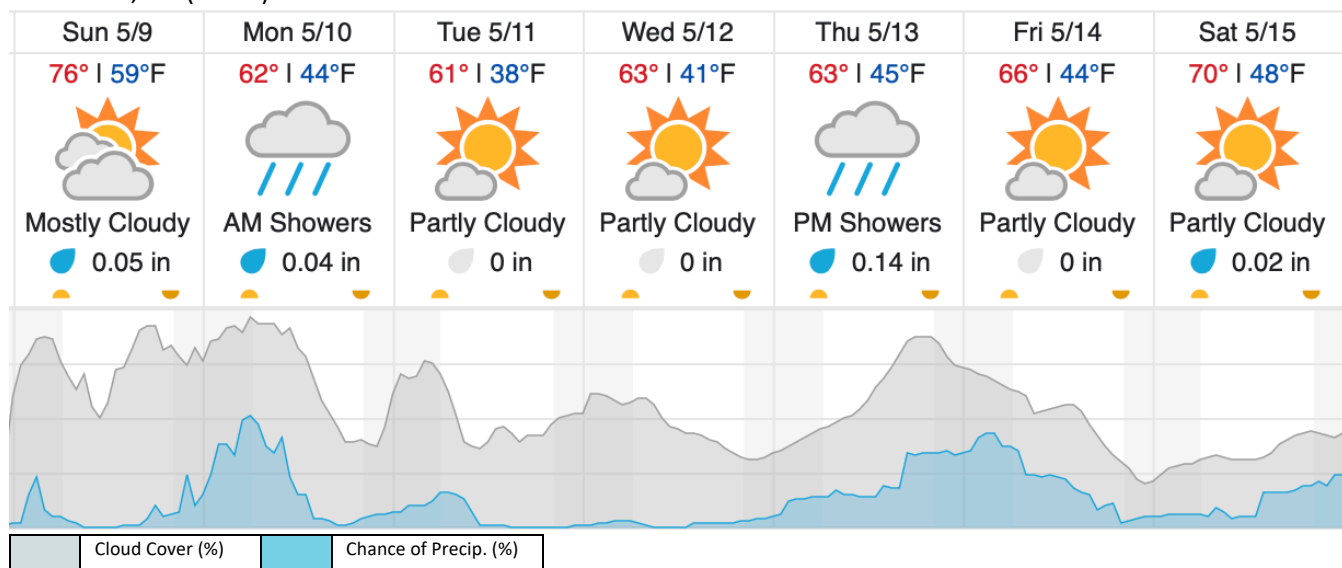
Gatlinburg, TN (GRSM)



Oak Ridge, TN (ORNL)



# Pembroke, VA (MLBS)



source: wunderground.com

## **Flight Collection Plan for 9 May 2021**

No flights planned; continue pumping and cooling spectrometer.

Crew: Elissa (Lidar), Ivana (Spectrometer)

## **Flight Collection Plan for 10 May 2021**

### Flyority 1

Collection Area: Great Smoky Mountains National Park (GRSM) – Priority 1 Flight Box

Flight Plan Name: D07\_GRSM\_R1\_P1\_P2\_v5\_PRM\_Var\_Alt.xml

On-Station Time: 1400 UTC / 1000 L

### Flyority 2

Collection Area: Oak Ridge National Laboratory (ORNL)

Flight Plan Name: D07\_ORNL\_C1\_P1\_v9\_PRM.xml

On-Station Time: 1410 UTC / 1010 L

### Flyority 3

Collection Area: Great Smoky Mountains National Park (GRSM) – Priority 2 Flight Box

Flight Plan Name: D07\_GRSM\_R1\_P1\_P2\_v5\_PRM\_Var\_Alt.xml

On-Station Time: 1400 UTC / 1000 L

### Flyority 4

Collection Area: Mountain Lake Biological Station (MLBS)

Flight Plan Name: D07\_MLBS\_R1\_P1\_v6\_PRM.xml

On-Station Time: 1350 UTC / 0950 L

Crew: Ivana (Lidar), Elissa (Spectrometer)