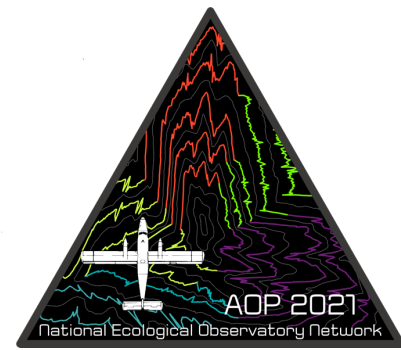




Payload 1 Daily Flight Report



**Date:** 2021-05-26  
**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:** 35

**Report Author:** Ivana Vu  
**Lidar Operators:** Ivana Vu  
**Spectrometer Operators:** Elissa Barris  
**Pilots:** Justin Eddington, Will Mathews  
**Flight Hours:** 00:00  
**Hours until maintenance:** 79.37  
**GPS Instruments:** None

**Summary**

Clouds formed around the start of the 40-degree solar angle and prevented flights today.

**Concerns**

None

**Comments**

Disk Set 5 passed Hotel Kit tests and will be put back in rotation.

**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% (0/20)  
 Green: 0% (0/20)  
 Yellow: 0% (0/20)  
 Red: 0% (0/20)

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)

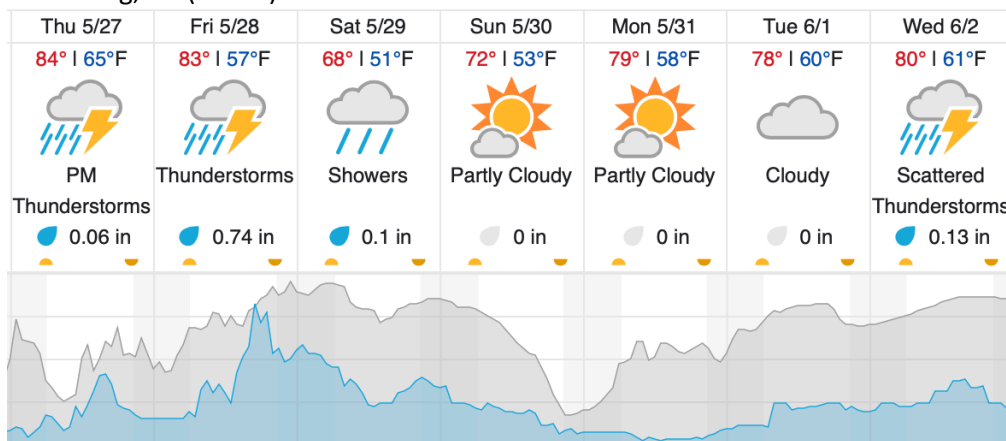
D07 | ORNL (Oak Ridge National Laboratory)

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																				

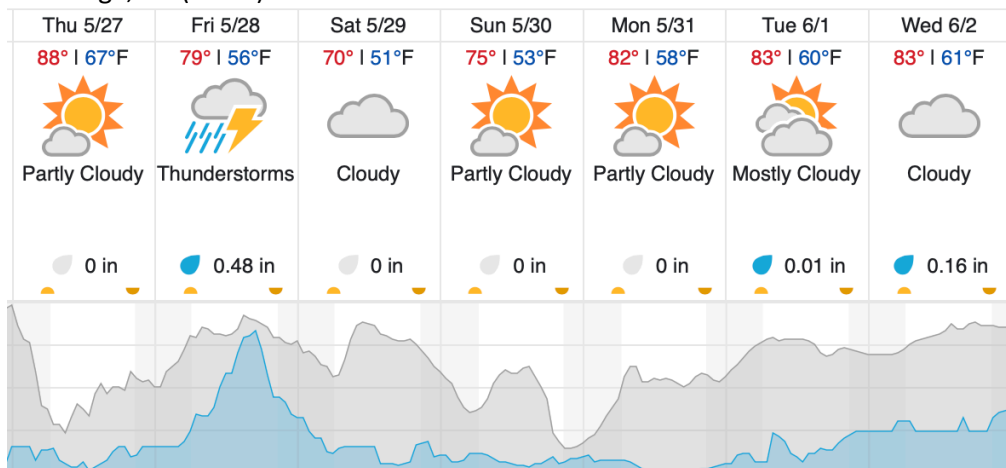
Flown: 20% (12/61)  
 Green: 0% (0/61)  
 Yellow: 20% (12/61)  
 Red: 0% (0/61)

**Weather Forecast**

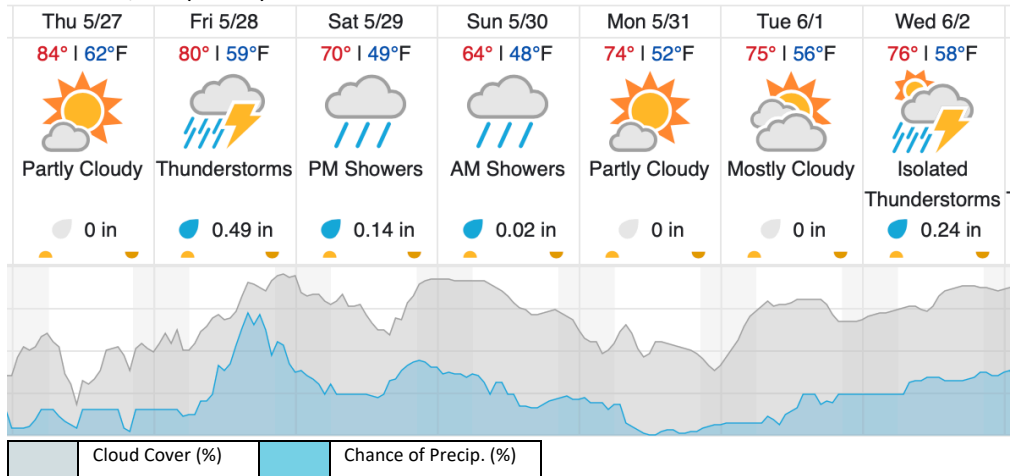
Gatlinburg, TN (GRSM)



Oak Ridge, TN (ORNL)



Pembroke, VA (MLBS)



source: wunderground.com

**Flight Collection Plan for 27 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 – 2100 UTC / 1000 – 1700 L

**Flyority 2**

Collection Area: Oak Ridge National Laboratory (ORNL)  
 Flight Plan Name: D07\_ORNL\_C1\_P1\_v9\_PRM.xml  
 On-Station Time: 1400 – 2100 UTC / 1000 – 1700 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 – 2100 UTC / 1000 – 1700 L

Crew: Elissa & Ivana