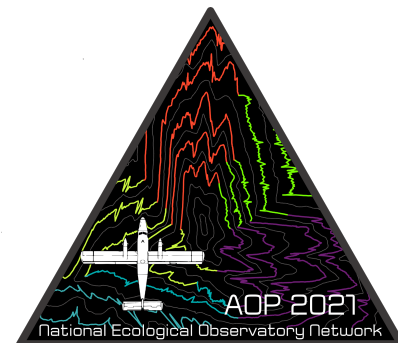




## Payload 1 Daily Flight Report



**Date:** 2021-05-06

**Flight Campaign ID:** P1C2

**Airport, FBO ID, City:** Boulder Municipal Airport (KBDU) - Boulder, CO, Salina Municipal Airport (KSLN) - Salina, KS, Olive Branch Airport (KOLV) - Olive Branch, MS, Asheville Regional Airport (KAVL) – Fletcher, NC

**Aircraft:** N331AR

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

**Sites Flown:** Transit (KBDU-KSLN-KOLV-KAVL)

**Days left in Domain:** 55

**Report Author:** Ivana Vu

**Lidar Operators:** Ivana Vu

**Spectrometer Operators:** Elissa Barris

**Pilots:** Justin Eddington, Will Mathews

**Flight Hours:** 02:27:00, 02:48:00, 02:16:00

**Hours until maintenance:** 83.11

**GPS Instruments:** None

### Summary

Flight crew departed Boulder early this morning and completed the transit to Asheville. D07 data collection is on schedule to start on Monday, May 10<sup>th</sup>.

### Concerns

None

### Comments

- The aircraft will be parked in Hangar 9 for the duration of this deployment
- Crew to test Disk Set 5 and Variable Altitude flight plans

### Daily Coverage

Estimated Cloud Cover Key

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

### Cumulative Domain Coverage

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																			

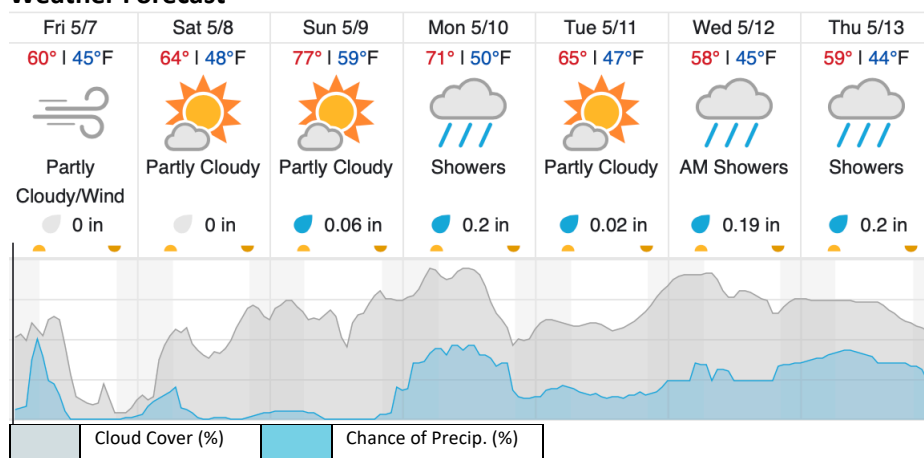
Flown: 0% (0/61)

Green: 0% (0/61)

Yellow: 0% (0/61)

Red: 0% (0/61)

### Weather Forecast



source: wunderground.com

### Flight Collection Plan for May 7 2021

No flights planned; Begin pumping and cooling spectrometer.

Crew: Elissa (Lidar), Ivana (Spectrometer)

### Flight Collection Plan for May 8 2021

No flights planned; continue pumping and cooling spectrometer.

Crew: Ivana (Lidar), Elissa (Spectrometer)