



## Payload 3 Daily Flight Report



**Date:** 2022-05-21

**Flight Campaign ID:** P3C1

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

**Aircraft:** N70AR

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

**Sites Flown:** None

**Days left in Domain:** 14

**Report Author:** John

**Lidar Operators:** John

**Spectrometer Operators:** Michael

**Pilots:** Nick, Jeremy

**Flight Hours:** 0.0

**Hours until maintenance:** 73.82

**GPS Instruments:** None

### Summary

Large waves of clouds arrived in the eastern Tennessee / western North Carolina area, precluding any flights today.

### Concerns

None.

### Comments

Continuing to look into Hotel Kit items such as lidar data extraction and RAID issues.

Robbie arrived to replace Jeremy; thank you for your excellent piloting!

### Daily Coverage

Estimated Cloud Cover Key

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

D07|GRSM\_P1

Line #	33	34	35	36	37	38	39	40	41	42
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover										

Total number of lines flown: 10

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											

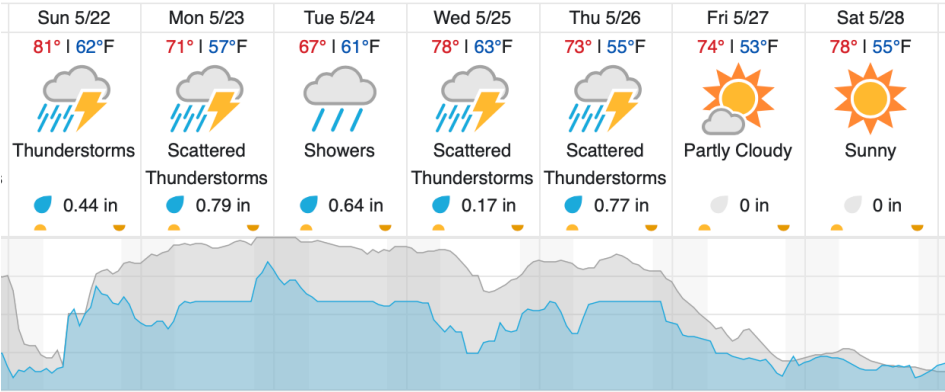
Flown: 14% (10/69)  
Green: 14% (10/69)  
Yellow: 0% (0/69)  
Red: 0% (0/69)

D07 | ORNL (Oak Ridge National Laboratory)

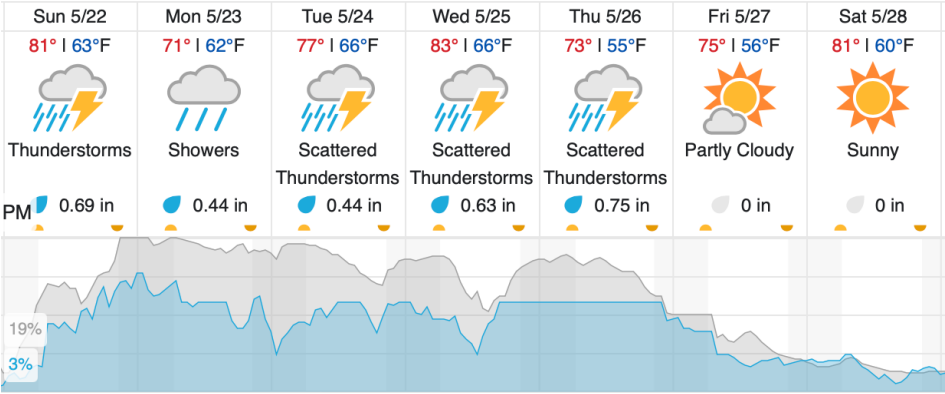
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61																			

Flown: 44% (27/61)  
Green: 26% (16/61)  
Yellow: 18% (11/61)  
Red: 0% (0/61)

Weather Forecast  
Asheville, NC



Oak Ridge, TN



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 22 May 2021

Flyority 1  
Collection Area: Oak Ridge National Laboratory (ORNL)  
Flight Plan Name: D07\_ORNL\_C1\_P1\_v9\_PRM.xml  
On-Station Time: 1400 UTC / 1000 L

Crew: Michael (Lidar), John (NIS)