

# Payload 3 Daily Flight Report



Date: 2022-05-18 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: 19

Report Author: MichaelLidar Operators: MichaelFlight Hours: 00:00Spectrometer Operators: JohnHours until maintenance: 76.83Pilots: Jeremy, Nick

### Summary

The edges of a storm system northwest of the survey areas pushed all types of clouds our way today. No flights were conducted although a trip to the airport was made to take care of miscellaneous items.

#### Concerns

None

#### Comments

-The cabin sensor display issue was resolved by power cycling the sensor and display, restarting the telemetry system, and then waiting several minutes for the display to change from ur1.8 to proper readings.

-The Tracker database was updated with the updated ORNL flight plans.

-The lines that failed lidar QA were confirmed failed due to overflight of a water body.

### **Cumulative Domain Coverage**

D07 | ORNL (Oak Ridge National Laboratory)

007		<u>- (</u> 0u	K ING	8C 14	ution		Jorut	0, 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

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

61

## Weather Forecast

#### Asheville, NC

Thu 5/19 82°   60°F	Fri 5/20 89°   62°F	Sat 5/21 84° I 62°F	Sun 5/22 81°   60°F	Mon 5/23 71°   58°F	Tue 5/24 73°   58°F	Wed 5/25 78°   60°F
PM	Sunny	PM	Thunderstorms	///// Rain	Showers	PM
Thunderstorms 0.1 in	0 in	Thunderstorms 0.1 in	<b>0</b> .34 in	<b>0</b> .54 in	<b>0</b> .12 in	Thunderstorms . 0.17 in
m		M	A			

## Oak Ridge, TN

Thu 5/19	Fri 5/20	Sat 5/21	Sun 5/22	Mon 5/23	Tue 5/24	Wed 5/25
86°   68°F	91°   68°F	89°   69°F	81°   62°F	74°   59°F	81°   64°F	82°   63°F
Scattered	Sunny	Mostly Sunny	Thunderstorms	Scattered	Isolated	Scattered
Thunderstorms	Culling	meetly early			Thunderstorms	
🥑 0.09 in	🖉 0 in	🖉 0 in	🥑 0.43 in	🥑 0.41 in	🥑 0.11 in	🥑 0.6 in

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

# Flight Collection Plan for 19 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: John (Lidar), Mike (NIS)