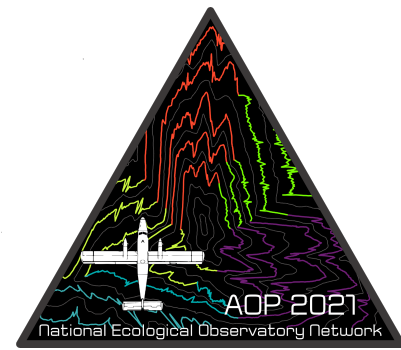




Payload 1 Daily Flight Report



Date: 2021-05-18
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: 43

Report Author: Ivana Vu	Flight Hours: 00:00
Lidar Operators: Ivana Vu	Hours until maintenance: 80.38
Spectrometer Operators: Elissa Barris	GPS Instruments: None
Pilots: Justin Eddington, Will Mathews	

Summary

No flights were attempted today due to heavy cirrus and cumulus cloud cover over all sites.

Concerns

None

Comments

The remaining waveform data from ORNL was extracted today. We are working with Bridget to ensure smooth ingestion of data onto the ECS.

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

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

D07 | ORNL (Oak Ridge National Laboratory)

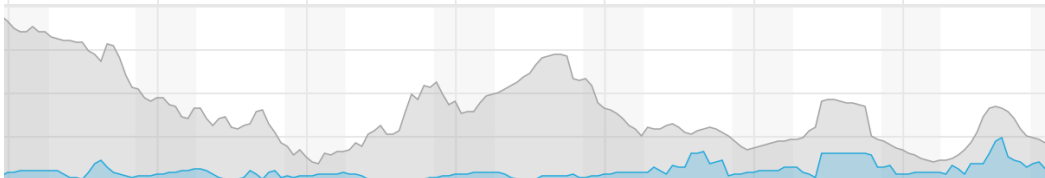
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61																			

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

Weather Forecast

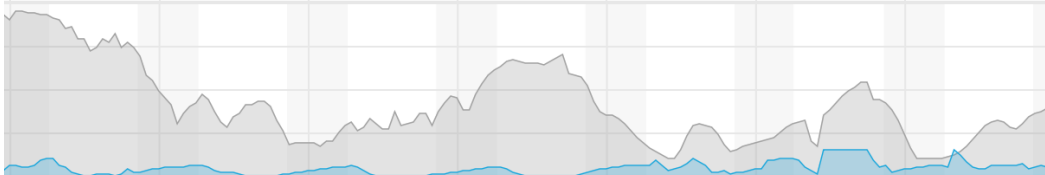
Gatlinburg, TN (GRSM)

Wed 5/19	Thu 5/20	Fri 5/21	Sat 5/22	Sun 5/23	Mon 5/24	Tue 5/25
80° 58°F	82° 57°F	85° 60°F	84° 62°F	86° 63°F	88° 66°F	87° 67°F
0 in	0 in	0 in	0 in	0 in	0 in	0 in

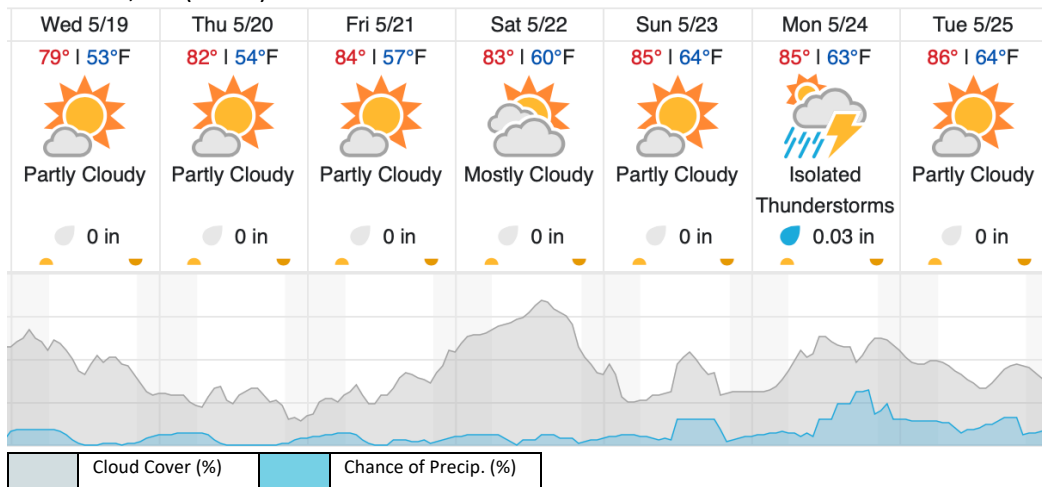


Oak Ridge, TN (ORNL)

Wed 5/19	Thu 5/20	Fri 5/21	Sat 5/22	Sun 5/23	Mon 5/24	Tue 5/25
83° 58°F	85° 56°F	88° 61°F	89° 62°F	90° 64°F	93° 65°F	92° 66°F
0 in	0 in	0 in	0 in	0 in	0 in	0 in



Pembroke, VA (MLBS)



source: wunderground.com

Flight Collection Plan for 19 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