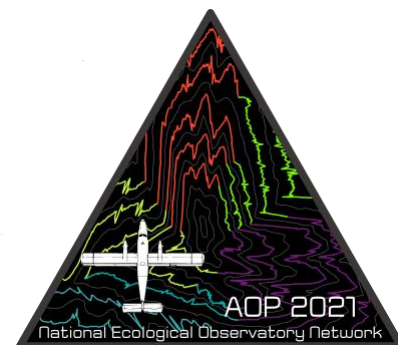




Payload 1 Daily Flight Report



Date: 2021-05-12

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: 49

Report Author: Ivana Vu

Lidar Operators: Ivana Vu

Spectrometer Operators: Elissa Barris

Pilots: Justin Eddington, Will Mathews

Flight Hours: 00:00

Hours until maintenance: 83.38

Summary

Rain, Marginal VFR and IFR conditions in Asheville prevented flights today.

Concerns

While the Colonial Pipeline issue has caused a fuel shortage at local gas stations, the FBO confirmed that this has not affected airport operations or their supply of Jet A fuel.

Comments

- MLBS phenocam image shows that the site has not reached peak greenness yet, so flight crew will focus on GRSM and ORNL in the meantime.

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)

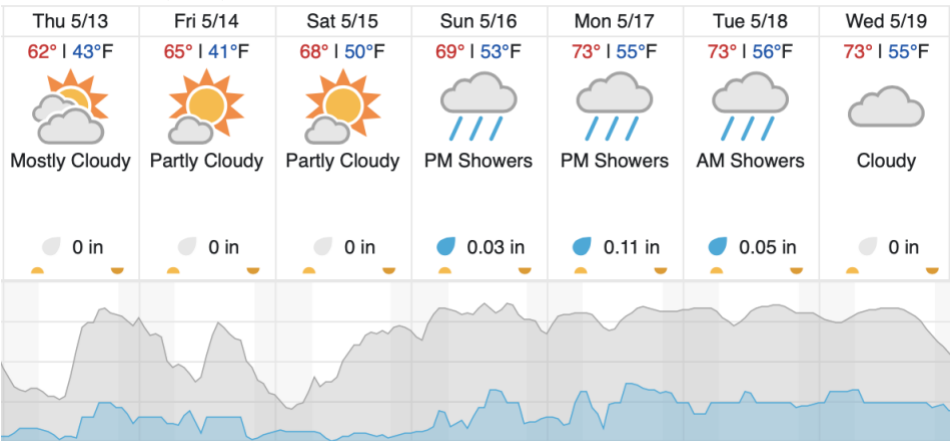
D07|ORNL (Oak Ridge National Laboratory)

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																			

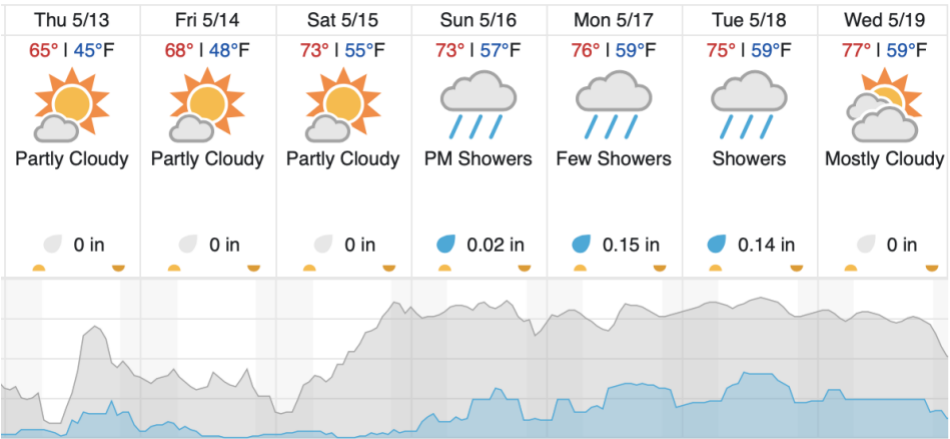
Flown: 0% (0/61)
Green: 0% (0/61)
Yellow: 0% (0/61)
Red: 0% (0/61)

Weather Forecast

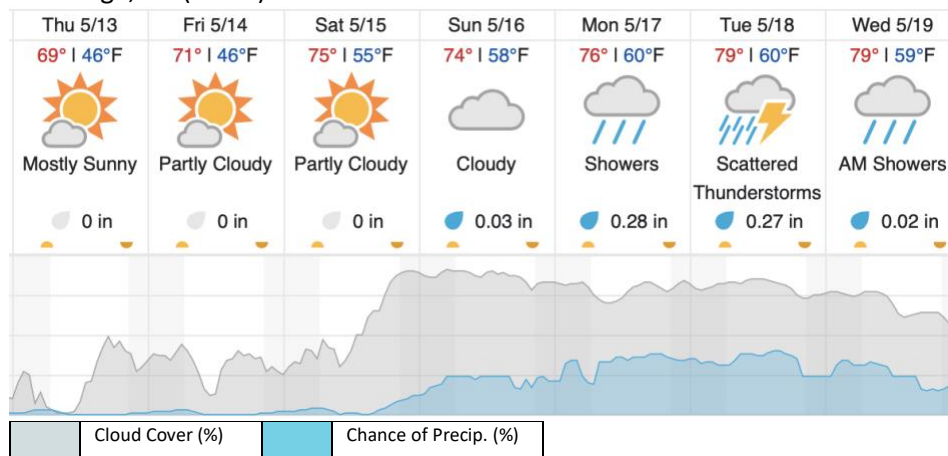
Asheville, NC (FBO)



Gatlinburg, TN (GRSM)



Oak Ridge, TN (ORNL)



source: wunderground.com

Flight Collection Plan for 13 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