



Payload 2 Daily Flight Report

Date: 2026-06-28
Flight Campaign ID: P2C1
Airport, FBO ID, City: Asheville Regional Airport (KAVL) - Fletcher, NC; -
Aircraft: N821AR

Domain: 07 (Appalachians & Cumberland Plateau)
Sites Flown: None
Days left in Domain: 5

Report Author: Elissa
Lidar Operators: Elissa **Flight Hours:** 00:00
Spectrometer Operators: Alyssa **Hours until maintenance:** 0.00
Pilots: Justin, Jonathon

Summary

Widespread rain and thunderstorms prevented any flights today.

Concerns

None.

Comments

Jonathan arrived in Asheville last night and Skylar rotated out.

Cumulative Domain Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees: (*)

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: 100% (69/69)

Green: 62% (43/69)

Yellow: 14% (10/69)

Red: 23% (16/69)

* Flown within 35deg solar angle

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: 100% (20/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 100% (20/20)

* Flown within 35deg solar angle

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)

* Flown within 35deg solar angle

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: 77% (47/61)

Green: 28% (17/61)

Yellow: 5% (3/61)

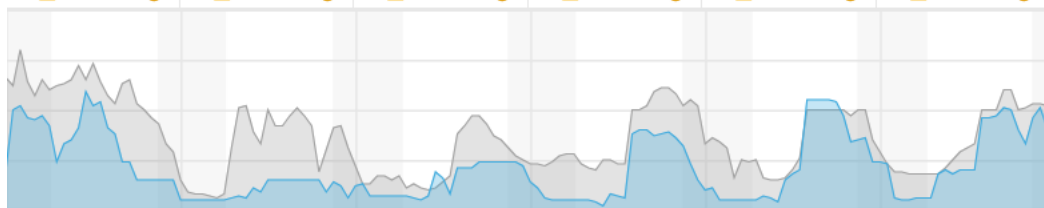
Red: 44% (27/61)

* Flown within 35deg solar angle

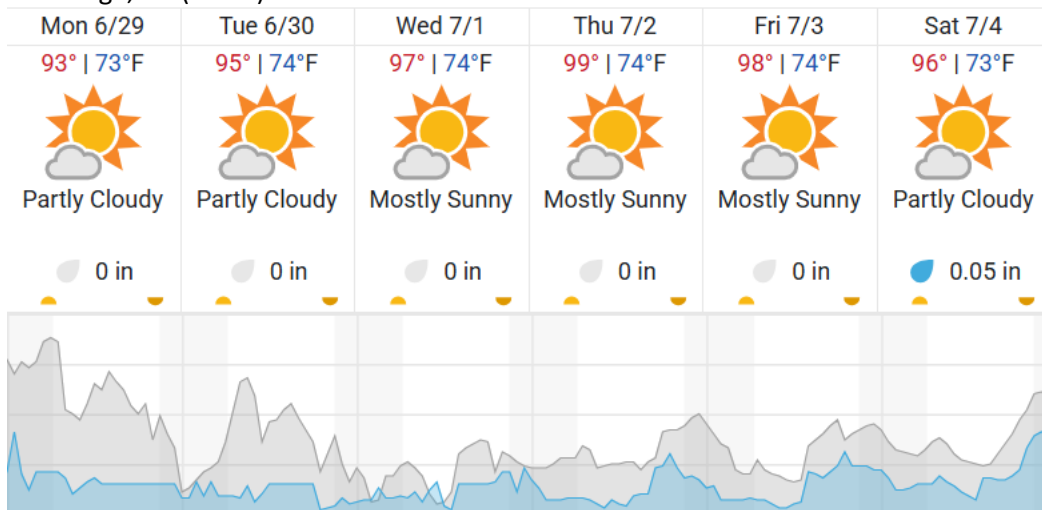
Weather Forecast

Gatlinburg, TN (GRSM)

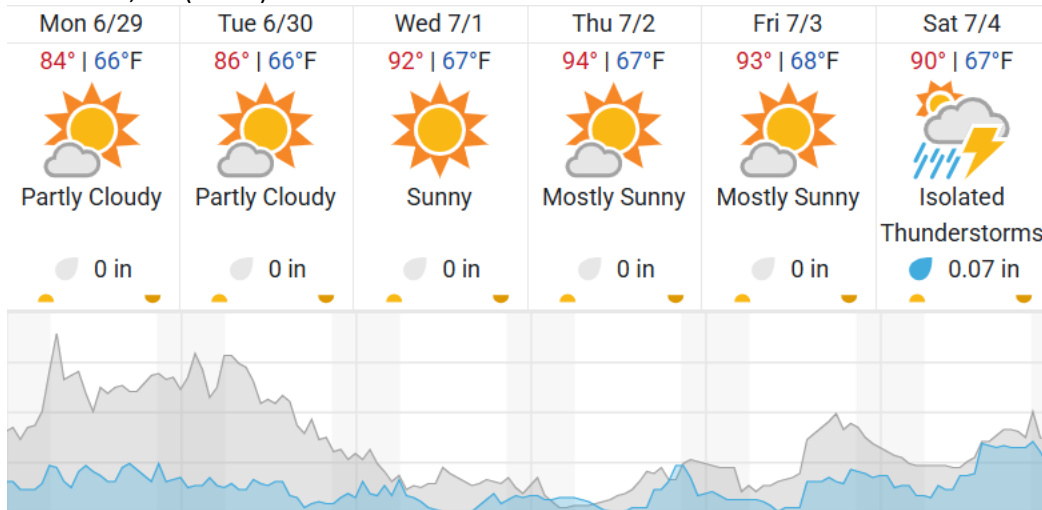
Mon 6/29	Tue 6/30	Wed 7/1	Thu 7/2	Fri 7/3	Sat 7/4
90° 73°F	93° 74°F	95° 74°F	96° 74°F	95° 74°F	93° 73°F
Scattered Thunderstorms	Partly Cloudy	Mostly Sunny	PM Thunderstorms	PM Thunderstorms	PM Thunderstorms
0.17 in	0 in	0 in	0.13 in	0.18 in	0.13 in



Oak Ridge, TN (ORNL)



Pembroke, VA (MLBS)



source: wunderground.com

Flight Collection Plan for 29 June 2026

Flyority 1

Collection Area: Great Smoky Mountains National Park (GRSM) – Priority 1 Flight Box

Flight Plan Name: D07_D07_GRSM_R1_P1_v6_VarAlt_VQ780

40° On-station Time: 14:00 UTC /10:00L

Flyority 2

Collection Area: Oak Ridge National Laboratory (ORNL)

Flight Plan Name: D07_ORNL_C1_P1_v11_west_VQ780 (lines 1-37, 60) / D07_ORNL_C1_P1_v11_east_VQ780

40° On-station Time: 14:00 UTC / 10:00L

Flyority 3

Collection Area: Mountain Lake Biological Station (MLBS)

Flight Plan Name: D07_MLBS_R1_P1_v8_VQ780

40° On-station Time: 13:50 UTC /09:50L

Flyority 4

Collection Area: Great Smoky Mountains National Park (GRSM) – Priority 2 Flight Box

Flight Plan Name: D07_D07_GRSM_R1_P2_v6_VarAlt_VQ780

40° On-station Time: 14:00 UTC /10:00L

Crew: Alyssa (Lidar), Elissa (NIS)