



May 15, 2018 Payload 3 Daily Flight Report



Date: 2018-05-15

Flight Campaign ID: 2018_P3C1

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

Domain: 07

Sites Flown: None

Days left in Domain: 32

Report Author: Cameron Chapman

Flight Crew: Cameron Chapman, John Adler

Ground/GPS: Ivana Vu

Pilots: Mike Francis, Paul Muth

Additional Personnel: none

GPS Instruments: 09 - FBO_KAVL, C-TN16, TDOT-TN1A

Flight Hours: 00:00

Hours until maintenance: 25.45

Summary: Cloudy skies prevailed today and prevented any attempts of collecting "green" data at ORNL. Aircraft maintenance is set to begin tomorrow and is expected to take 1 -2 days to complete. The payload has been powered down for maintenance and will be reactivated after maintenance is completed.

Concerns: None.

Comments:

- Raid 04 has been shipped to the data center
- Due to the NIS blue quantum responsivity change, we will warm the focal plane of the NIS to at least 273K and collect a Hg Lamp when the system has been re-cooled
- The camera has been repaired and will be reintegrated into the aircraft upon its arrival to D07 this week.

Flight Screenshots: n/a today.

Pictures:

Twin Otter pilots Mike and Paul wash the aircraft in preparation for maintenance.



Daily Coverage: n/a

Cumulative Domain Coverage

GRSM_P1

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	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106														

Flown: 0% (0/106)

Green: 0% (0/106)

Yellow: 0% (0/106)

Red: 0% (0/106)

GRSM_P2

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												

Flown: 0% (0/68)

Green: 0% (0/68)

Yellow: 0% (0/68)

Red: 0% (0/68)

MLBS

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)

ORNL

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: 100% (61/61)

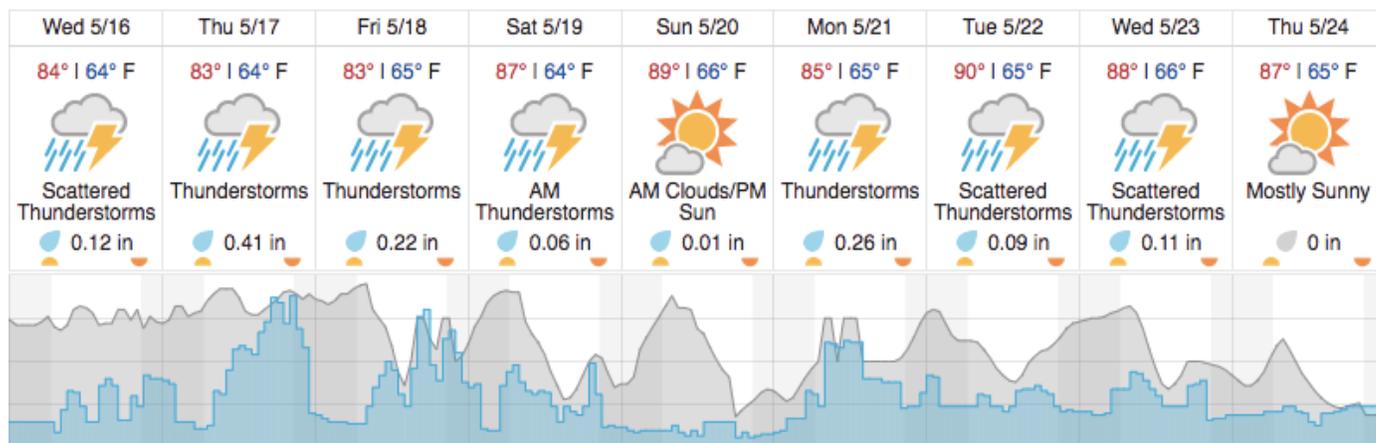
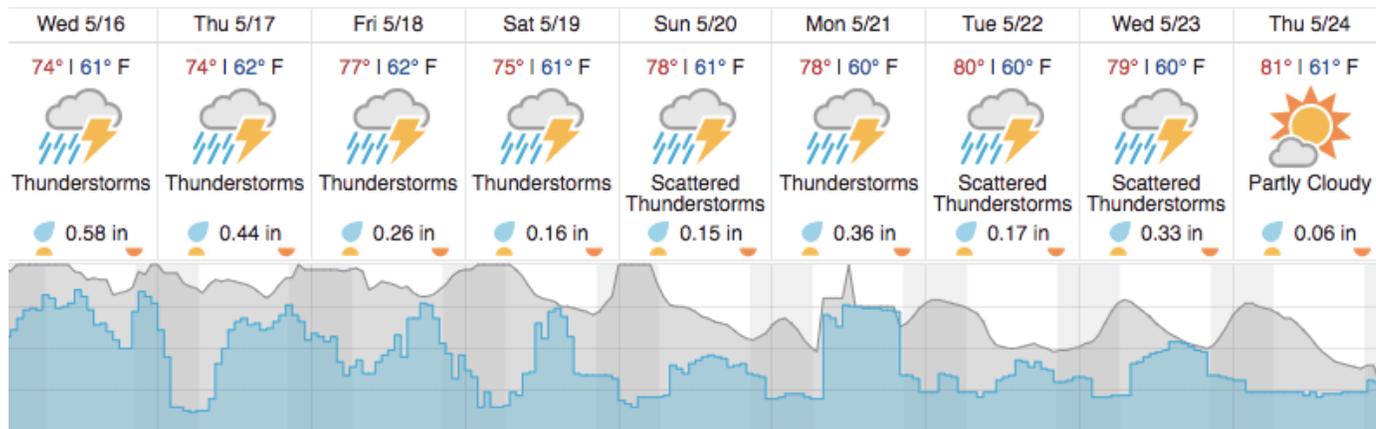
Green: 25% (15/61)

Yellow: 61% (37/61)

Red: 18% (11/61)

Weather Forecast:

Asheville, NC



Oak Ridge, TN

Flight Collection Plan for 16 – 18 May 2018

Maintenance

Flight Collection Plan for 19 May 2018:

Flyority 1:

Collection Area: Oak Ridge National Laboratory (ORNL) if Green conditions.

Flight Plan Name: D07_ORNL_C1_P1_v10_east_Q780 / D07_ORNL_C1_P1_v10_west_Q780

On-station Time: 1400 UTC / 1000 L

Crew: Cameron Chapman (lidar), Ivana Vu (nis), Abe Morrison (ground)

Flyority 2:

Collection Area: Great Smoky Mountains National Park – Priority 1 Flight Box (GRSM_P1)

Flight Plan Name: D07_GRSM_R2_P1_v2_Q780

On-station Time: 1400 UTC / 1000 L

Flyority 3:

Collection Area: Great Smoky Mountains National Park – Priority 2 Flight Box (GRSM_P2)

Flight Plan Name: D07_GRSM_R2_P2_v2_east_Q780 / D07_GRSM_R2_P2_v2_west_Q780

On-station Time: 1400 UTC / 1000 L

Starting 25 May 2018

Flyority 1:

Collection Area: Mountain Lake Biological Station (MLBS)

Flight Plan Name: D07_MLBS_R1_P1_v6_Q780

On-station Time: 1340 UTC / 0940 L