May 24, 2018 Payload 3 Daily Flight Report

Date: 2018-05-24
Flight Campaign ID: 2018_P3C1
Airport, FBO ID, City: Asheville Regional Airport (KAVL) - Fletcher, NC

Domain: 07
Sites Flown: N/A
Days left in Domain: 23

Report Author: Robb Walker
Flight Crew: Robb Walker, Abe Morrison
Ground/GPS: Cameron Chapman
Pilots: Mike Francis, Hans Germann
Additional Personnel:
GPS Instruments: 09 - FBO_KAVL, 07- AOP_MLBS, 08-AOP_GRSM, C-TN16, TDOT-TN1A

Flight Hours: 00:00
Hours until maintenance: 125.00

Summary
Flight crew removed the NIS-3 FPIE power supply, FPIE Box, and associated cables. All items were shipped overnight to JPL for repair. If the repair goes smoothly, JPL estimates they will be finished by the end of next week.

Concerns
N/A

Comments
- Crew rotation coming up on Saturday, Cameron Chapman out and Ivana Vu rotates back.
- Until NIS-3 is operational flight collection priority will be GRSM Boresight, GRSM Forest survey test flights, and camera collections over ORNL.

Pictures

NIS FPIE Power Supply and FPIE Box

Abe Morrison's master packing skills utilized.

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)

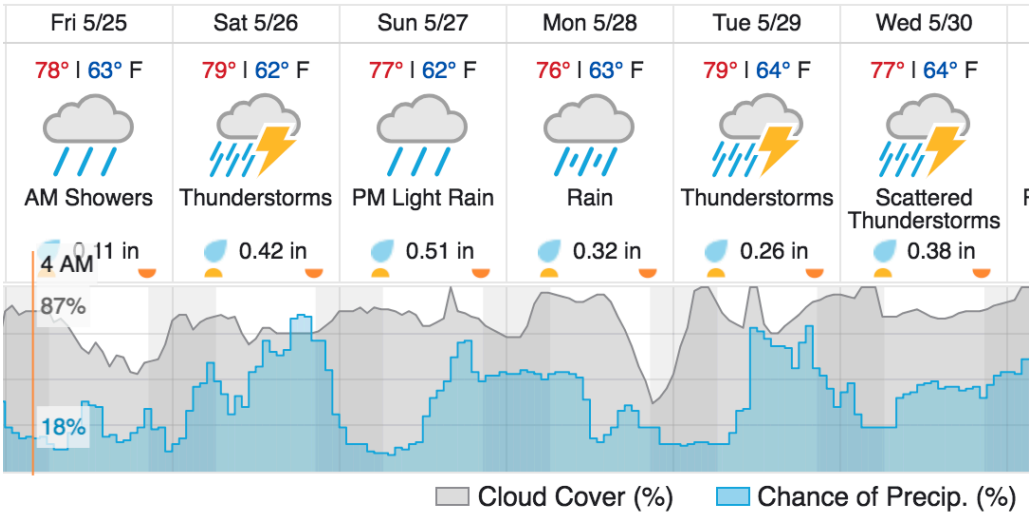
ORNL

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																			

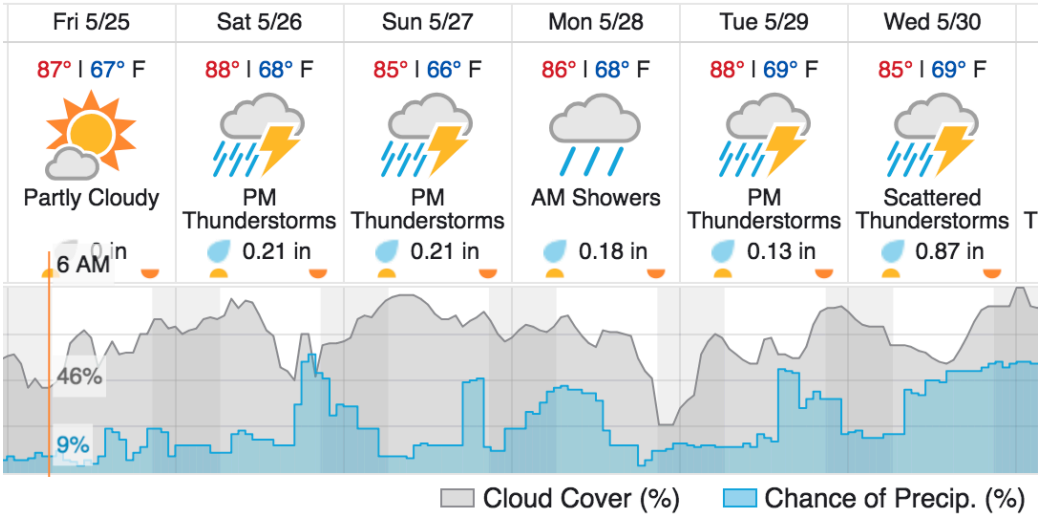
Flown: 100% (61/61)
Green: 25% (15/61)
Yellow: 61% (37/61)
Red: 18% (11/61)

Weather Forecast

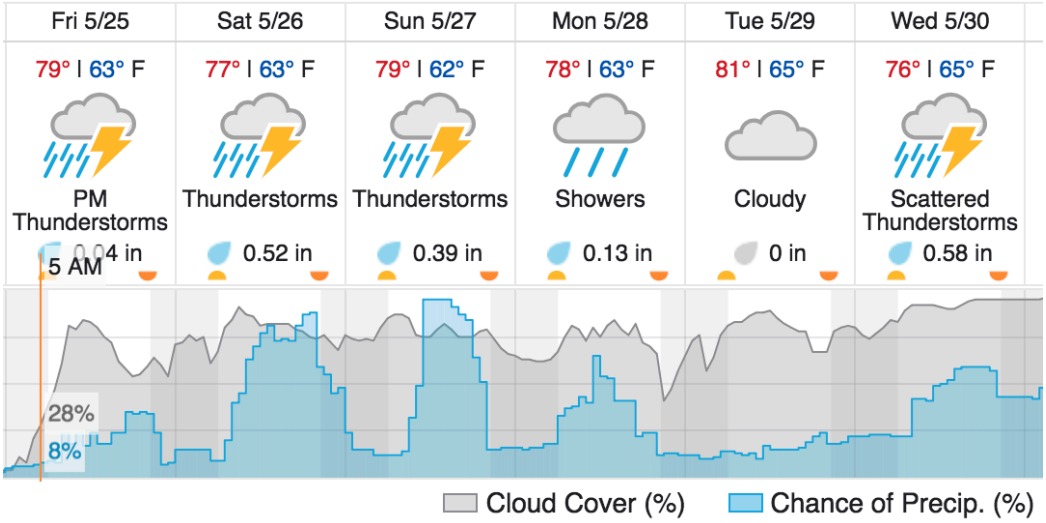
Asheville, NC (FBO)



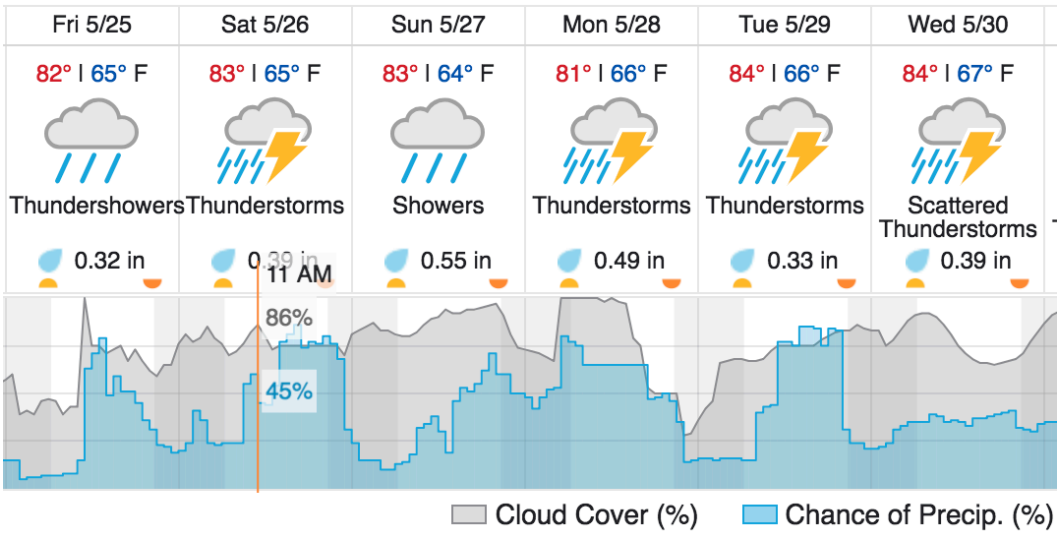
Oak Ridge, TN (ORNL)



Blacksburg, VA (MLBS)



Gatlinburg, TN (GRSM)



Flight Collection Plan for 25 May 2018:
Flyority 1:
Collection Area: Camera Boresight at GRSM
Flight Plan Name: D07_B07A_Cam_Boresight_v2_Q780
On-station Time: 1400 UTC / 1000 L

Flyority 2:
Collection Area: Nominal Forest Survey at GRSM
Flight Plan Name: D01_J07B_Nominal_Forest_Survey_v2
On-station Time: 1400 UTC / 1000 L

Cameron Chapman (lidar), Robb Walker (nis), Abe Morrison (ground)

Flight Collection Plan for 26 May 2018
Flyority 1:
Collection Area: Camera Boresight at GRSM
Flight Plan Name: D07_B07A_Cam_Boresight_v2_Q780
On-station Time: 1400 UTC / 1000 L

Flyority 2:
Collection Area: Nominal Forest Survey at GRSM
Flight Plan Name: D01_J07B_Nominal_Forest_Survey_v2
On-station Time: 1400 UTC / 1000 L

Abe Morrison (lidar), Robb Walker (nis), Ivana Vu (ground)