



May 29, 2019 Payload 3 Daily Flight Report



Date: 2019-05-29

Flight Campaign ID: 2019_P3C1

Airport, FBO ID, City: Rhinelander-Oneida County Airport (KRHI) - Rhinelander, WI

Domain: 05

Sites Flown: N/A

Days left in Domain: 24

Report Author: Ivana Vu

Flight Crew: Michael Wussow, Ivana Vu

Ground/GPS: N/A

Pilots: Gina Moore, Jeff Quintanilla

Additional Personnel: N/A

GPS Instruments: N/A

Flight Hours: 00:00

Hours until maintenance: 39.78

Summary

The spectrometer has been vacuum pumped and is cooling in preparation for D05 science flights, which will start tomorrow if the system is ready.

Concerns

Vacuum pump had trouble keeping the chamber pressure below $4e-5$ Torr after multiple attempts, likely due to the faulty pressure transducer. The system maintained optimal pressure after being switched to the ion getter pump and will continue to cool overnight without the vacuum pump attached. Ian has shipped a replacement pressure gauge which is expected to arrive tomorrow.

Comments

Robb arrived in D05

Cumulative Domain Coverage

CHEQ

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
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Flown: 0% (0/17)

Green: 0% (0/17)

Yellow: 0% (0/17)

Red: 0% (0/17)

STEI_TREE_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															

Flown: 0% (0/26)

Green: 0% (0/26)

Yellow: 0% (0/26)

Red: 0% (0/26)

STEI_TREE_P2

27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
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Flown: 0% (0/19)

Green: 0% (0/19)

Yellow: 0% (0/19)

Red: 0% (0/19)

UNDE

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												

Flown: 0% (0/29)

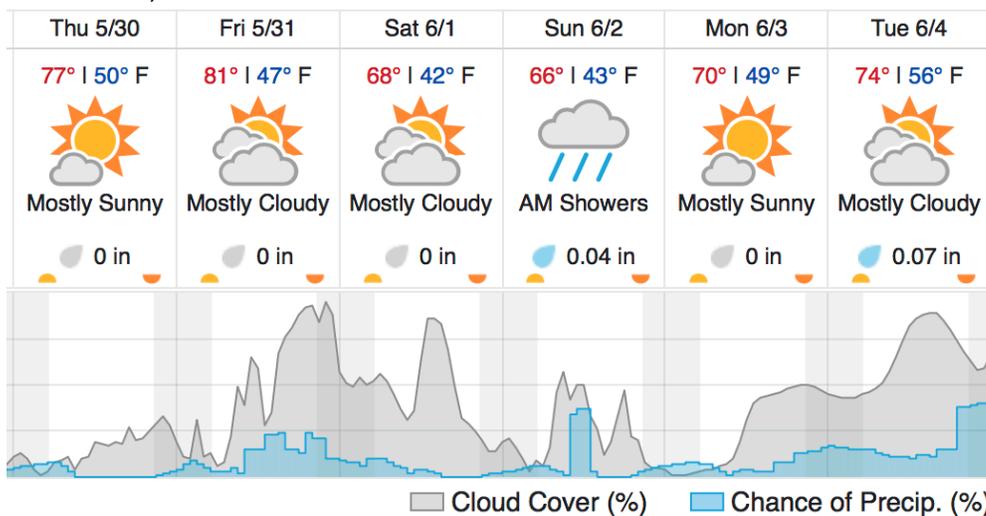
Green: 0% (0/29)

Yellow: 0% (0/29)

Red: 0% (0/29)

Weather Forecast

Rhineland, WI



Flight Collection Plan for 30 May 2019

Flyority 1

Collection Area: UNDERC (UNDE)

Flight Plan Name: D05_UNDE_C1_P1_v2_Q780

On-station Time: 1420 – 2130 UTC / 0920 – 1630 L

Flyority 2

Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE) – Priority 1 Flight Box

Flight Plan Name: D5_STEI_TREE_R1_P1_v3_Q780

On-station Time: 1420 – 2130 UTC / 0920 – 1630 L

Flyority 3

Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE) – Priority 2 Flight Box

Flight Plan Name: D5_STEI_TREE_R1_P2_v3_Q780

On-station Time: 1420 – 2130 UTC / 0920 – 1630 L

Flyority 4

Collection Area: Chequamegon-Nicolet National Forest (CHEQ)

Flight Plan Name: D05_CHEQ_R2_P1_v3_Q780

On-station Time: 1420 – 2130 UTC / 0920 – 1630 L

Crew: Mike Wussow (Lidar), Ivana Vu (NIS), Robb Walker (GPS/Ground)

Flight Collection Plan for 31 May 2019

Flyority 1-4: Same as previous day

Crew: Robb Walker (Lidar), Mike Wussow (NIS), Ivana Vu (GPS/Ground)