



May 30, 2019 Payload 3 Daily Flight Report



Date: 2019-05-30

Flight Campaign ID: 2019_P3C1

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

Domain: 05

Sites Flown: N/A

Days left in Domain: 23

Report Author: Michael Wussow

Flight Crew: Michael Wussow, Ivana Vu

Ground/GPS: Robb Walker

Pilots: Gina Moore, Jeff Quintanilla

Additional Personnel: N/A

GPS Instruments: N/A

Flight Hours: 00:00

Hours until maintenance: 36.32

Summary

The spectrometer reached optimal temperature and pressure today and was ready for collection late this morning. However, a very thick and obtrusive layer of haze stymied efforts for collections today. No flights were conducted.

Concerns

None

Comments

-Replacement vacuum pump pressure transducer arrived this morning and was switched out with the defective one and worked as expected

-Tristan is investigating why waveform QA has not been generating

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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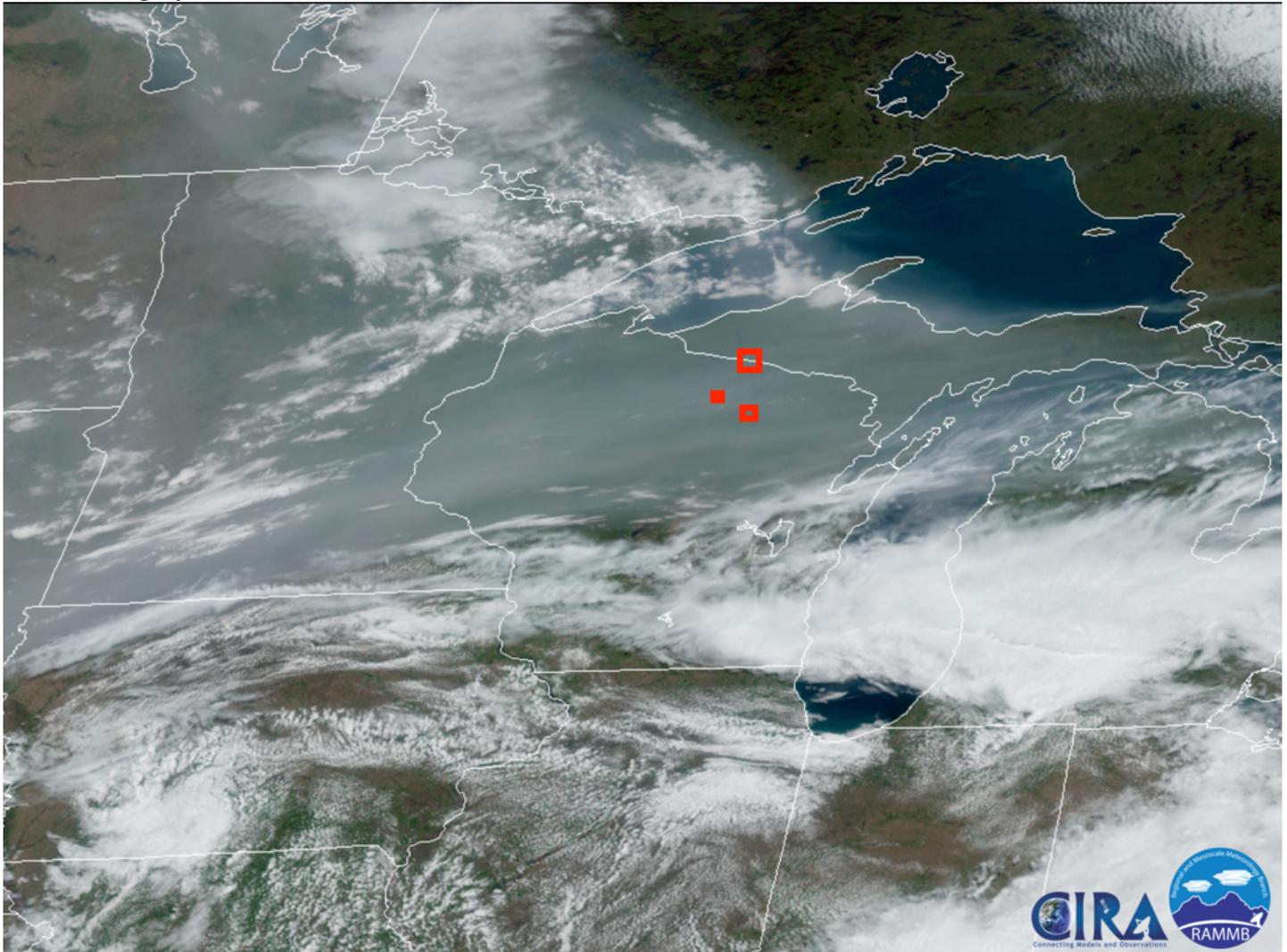
Flown: 0% (0/19)
Green: 0% (0/19)
Yellow: 0% (0/19)
Red: 0% (0/19)

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)

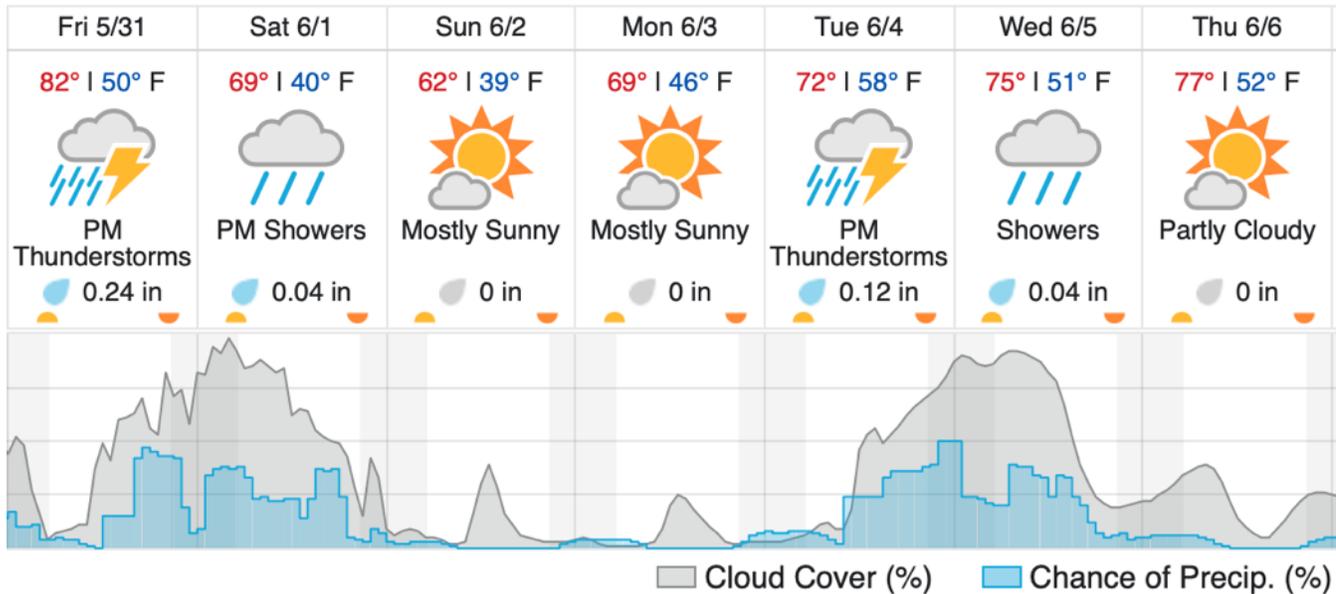
Satellite Imagery



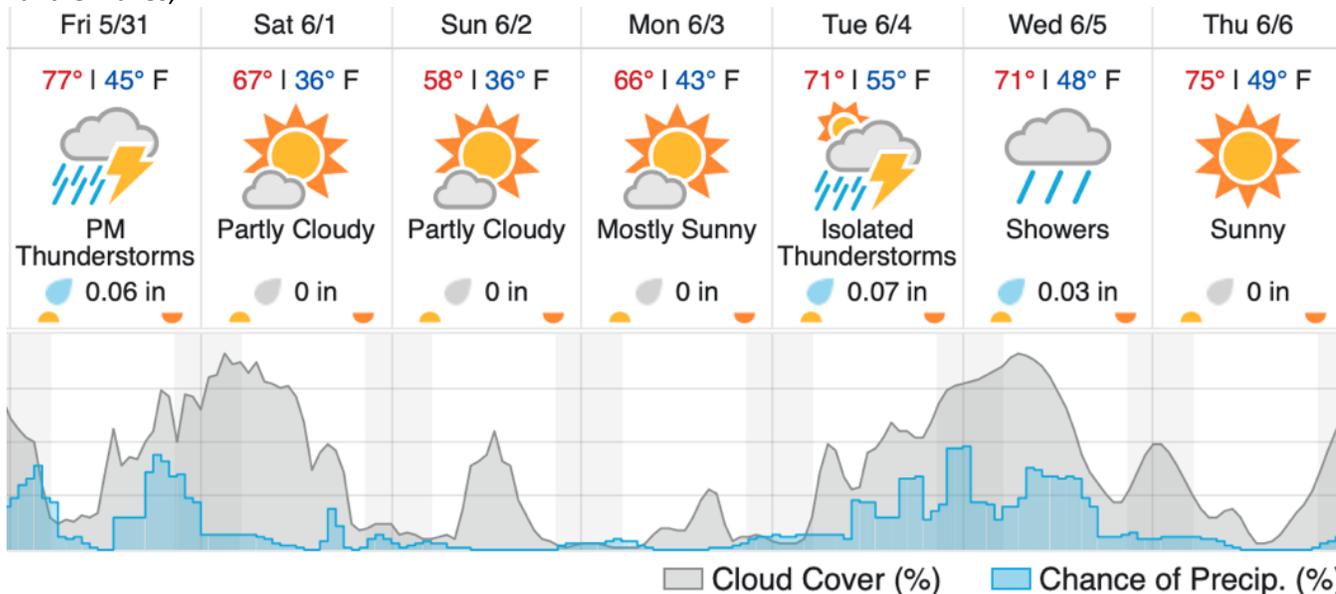
The thick layer of haze was visible even by GOES satellite. With help of AOP Science staff, Dave and Tristan, the conditions were determined to be "RED".

Weather Forecast

Rhineland, WI



Land O' Lakes, 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: Robb Walker (Lidar), Mike Wussow (NIS), Ivana Vu (GPS/Ground)

Flight Collection Plan for 31 May 2019

Flyority 1-4: Same as previous day

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