



Payload 3 Daily Flight Report



Date: 2022-06-27

Flight Campaign ID: P3C1

Airport, FBO ID, City: Rhinelander-Oneida County Airport (KRHI) - Rhinelander, WI, New Richmond Regional Airport (KRNH) and back to KRHI.

Aircraft: N70AR

Domain: 05 (Great Lakes)

Sites Flown: CDRC (AA Project)

Days left in Domain: 2

Report Author: John

Lidar Operators: John

Spectrometer Operators: Abe

Pilots: Brent, Vince

Flight Hours: 03:23:00, 01:01:00

Hours until maintenance: 34.88

GPS Instruments: WISCORS-RHER

Summary: Cloud free conditions today over the CDRC site enabled a full Green collect. Haze was present.

Concerns: None.

Comments: Three flight lines were not showing correctly on the Pilot's display, the crew flew those lines manually. Also, there was a false propeller Beta condition that was handled with no issues. Nice job Vince and Brent!

Daily Coverage

Estimated Cloud Cover Key

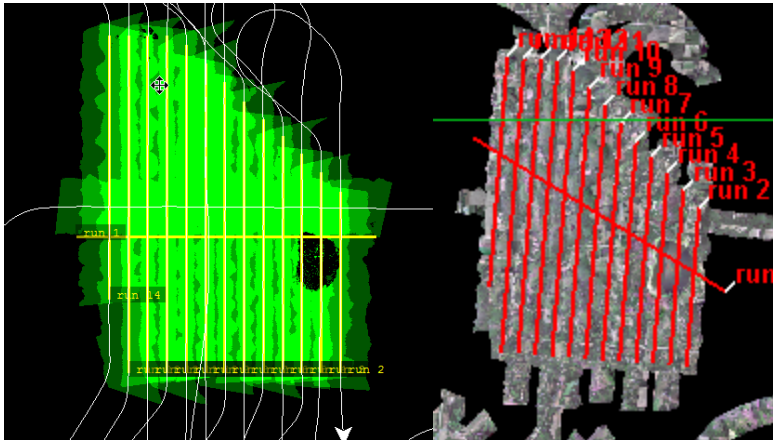
Green:	Yellow:	Red:
0-10%	11-50%	>50%

D05|CDRC

Line #	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Lidar		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover														

Total number of lines flown: 14

Flight Screenshots



lidar screenshot

NIS screenshot

Cumulative Domain Coverage

D05 | CDRC ()

1	2	3	4	5	6	7	8	9	10	11	12	13	14
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Flown: 100% (14/14)

Green: 100% (14/14)

Yellow: 0% (0/14)

Red: 0% (0/14)

D05 | CHEQ (Chequamegon-Nicolet National Forest)

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
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Flown: 100% (16/16)

Green: 100% (16/16)

Yellow: 0% (0/16)

Red: 0% (0/16)

D05 | LIRO (Little Rock Lake)

2	3	4	5	6	7	8
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Flown: 100% (7/7)

Green: 43% (3/7)

Yellow: 57% (4/7)

Red: 0% (0/7)

D05 | STEI_TREE_P1 (Steigerwaldt Land Services and Treehaven Priority 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: 100% (25/25)

Green: 100% (25/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

D05 | STEI_TREE_P2 (Steigerwaldt Land Services and Treehaven Priority 2)

27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
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Flown: 100% (18/18)

Green: 100% (18/18)

Yellow: 0% (0/18)

Red: 0% (0/18)

D05 | UNDE (University of Notre Dame Environmental Research Center)

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: 100% (28/28)

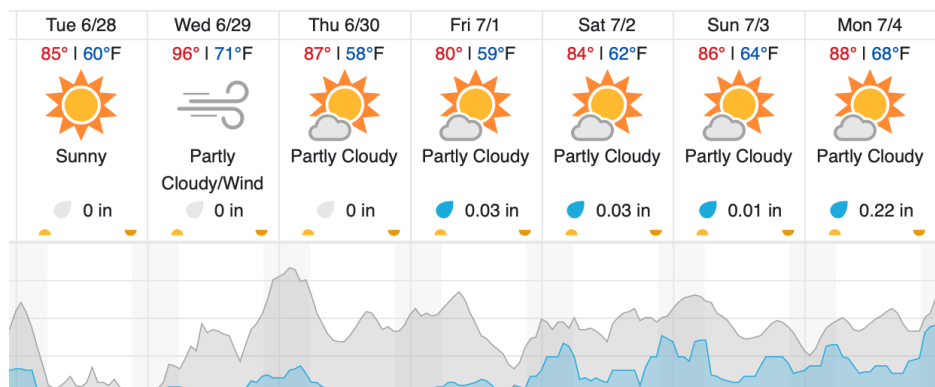
Green: 100% (28/28)

Yellow: 0% (0/28)

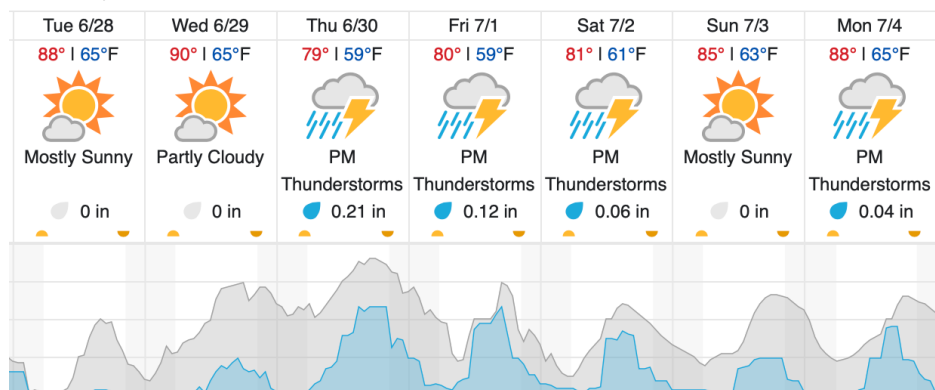
Red: 0% (0/28)

Weather Forecast

Arlington, SD



Boulder, CO



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

Flight Collection Plan for 28 June 2022

Pack up and shipping of equipment, HotelKit management, and conduct outreach event for Notre Dame in the afternoon.

Flight Collection Plan for 29 June 2022

Collect over the Flare Site enroute return to Boulder, Colorado. Should arrive in the late afternoon/evening.