Payload 3 Daily Flight Report

Date: 2020-07-19
Flight Campaign ID: P3C1
Airport, FBO ID, City: Rhinelander-Oneida County Airport (KRHI) - Rhinelander, WI

Domain: 05 (Great Lakes)
Sites Flown: None
Days left in Domain: 31

Report Author: Cameron Chapman
Lidar Operators: Cameron Chapman   **Flight Hours**: 00:00
Spectrometer Operators: Elissa Barris   **Hours until maintenance**: 56.58
Ground Crew: Mitch Haynes   **GPS Instruments**: None
Pilots: Justin Eddington, Lane Taylor

Summary
Overnight storms rumbled through the region bringing heavy wind and torrential downpours. As a result, the convective activity brought cumulus clouds which blanketed the area throughout the day. No flights were attempted.

Concerns
- The Teldat is experiencing intermittent internet connectivity which is causing a delay in telemetry updates and database synchronization.

Comments
- The payload is now cooled to its optimal temperature and ready for data collection.
- Crew completed the D05 Hg Test.

Cumulative Domain Coverage
D05|CHEQ (Chequamegon-Nicolet National Forest)

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Flown: 0% (0/16)
Green: 0% (0/16)
Yellow: 0% (0/16)
Red: 0% (0/16)

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: 0% (0/25)
Green: 0% (0/25)
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

Flown: 0% (0/18)
Green: 0% (0/18)
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: 0% (0/28)
Green: 0% (0/28)
Yellow: 0% (0/28)
Red: 0% (0/28)

Weather Forecast
Rhinelander, WI

Mon 7/20	Tue 7/21	Wed 7/22	Thu 7/23	Fri 7/24	Sat 7/25	Sun 7/26	Mon 7/27	Tue 7/28
75° | 53°F	70° | 57°F	73° | 53°F	78° | 58°F	84° | 67°F	87° | 67°F	88° | 65°F	84° | 61°F	80° | 61°F
Partly Cloudy	Scattered Thunderstorms	AM Clouds/PM Sun	Partly Cloudy	Scattered Thunderstorms	Scattered Thunderstorms	Scattered Thunderstorms	Scattered Thunderstorms	AM Showers
0 in	0.55 in	0 in	0.17 in	0.26 in	0.25 in	0.21 in	0.17 in	0.03 in
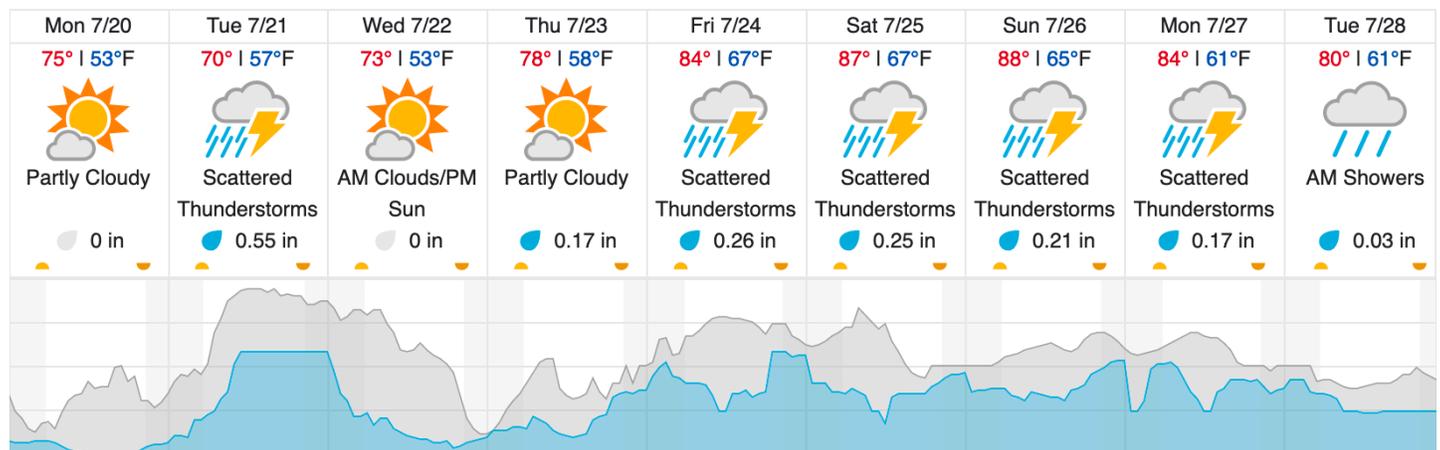
Cloud Cover (%)	Chance of Precip. (%)

Flight Collection Plan for 20 July 2020

Flyority 1
Collection Area: Steigerwaldt Land Services (STEI) – Treehaven (TREE)
Flight Plan Name: D05_STEI_TREE_R1_P1_v3_Q780
On-station Time: 0940 L / 1440 UTC

Flyority 2
Collection Area: UNDERC (UNDE)
Flight Plan Name: D05_UNDE_C1_P1_v2_Q780
On-station Time: 0940 L / 1440 UTC

Flyority 3
Collection Area: Chequamegon-Nicolet National Forest (CHEQ)
Flight Plan Name: D05_CHEQ_R2_P1_v3_Q780
On-station Time: 0940 L / 1440 UTC

Crew: Mitch Haynes (Lidar), Cameron Chapman (NIS), Elissa Barris (Ground/GPS)