Flight Campaign ID: 2017_P1C1
FBO ID & City: Rhinelander-Oneida City (KRHI) - Rhinelander, WI
Domain: 05
Sites Flown: Transit, UNDE, N05A
Days left in Domain: 7
Flight Hours: 02:02 (Transit), 02:01 (UNDE/N05A)
Hours until maintenance: 118.43

Date: 2017-09-01
Report Author: Ivana Vu
Pilots: Justin Eddington, Stephen Brawder
Flight Crew: Ivana Vu, Abe Morrison
Ground/GPS: David Gambino
Additional Personnel: None

GPS Instruments:
05 - UNDE, WISCORS - RHER

Summary:
Crew completed transit to Rhinelander this morning and waited for Marginal VFR conditions at KRHI to clear up before data collection was possible. UNDEC (UNDE) was the only site with ideal sky conditions and green data was collected there until the end of the 40-degree solar angle.

Issues/Concerns:
NIS DCC unexpectedly rebooted during takeoff – after restart, NIS FPA temperature on MarsRover software read 134.055K while telemetry laptop was showing 134.000K. FPA temp appeared to stabilize on both the DCC computer and telemetry laptop before collection, and 2 lines were re-flown to ensure data quality was unaffected.

Comments:
- Dave and Abe set up GPS 05 (UNDE) this morning
- Completed N05A
- Completed Lines 18-24 at UNDE (Green: <10% cloud cover)
### NIS/Lidar Screenshot

#### UNDE

![UNDE Screenshot](image1)

#### N05A

![N05A Screenshot](image2)

### Domain Coverage

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<th>SpecY</th>
<th>SpecR</th>
<th>NIS</th>
<th>Lidar</th>
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**Completed:** (8/8) 27.59%
Weather Forecast

Rhineland, WI

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- Mostl Cloudy
- Rain
- Clear
- Partly Cloudy
- Chance of Rain
- Partly Cloudy

Flight Collection Plan for September 2\textsuperscript{nd} 2017

**Flyority 1**

Collection Area: Steigerwaldt Land Services - Treehaven (STEI-TREE) – Priority 1 Flight Box
Flight Plan Name: D05_STEI_TREE_R1_P1_v2B.pln
On Station Time: 1030 Local / 1530 UTC

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Left: Lake Michigan during the last leg of transit to D05
Below: UNDEC site at Land O’ Lakes, WI
Flyority 2
Collection Area: Chequamegon-Nicolet National Forest (CHEQ)
Flight Plan Name: D05_CHEQ_R2_P1_v2B.pln
On Station Time: 1030 Local / 1530 UTC

Flyority 3
Collection Area: UNDERC (UNDE)
Flight Plan Name: D05_UNDE_C1_P1_v1B.pln
On Station Time: 1030 Local / 1530 UTC

Crew
Lidar: Abe Morrison, NIS: Ivana Vu, Ground/GPS: David Gambino

Flight Collection Plan for September 3rd 2017
Flyority: Same as previous day unless a flight box has been completed

Crew
Lidar: Ivana Vu, NIS: Abe Morrison, Ground/GPS: David Gambino