Date: 2021-07-30  
Flight Campaign ID: P1C2  
Airport, FBO ID, City: Spirit of St. Louis Airport (KSUS) – Chesterfield, MO, Blue Grass Airport (KLEX) – Lexington, KY, Winchester Regional Airport (KOKV) – Winchester, VA  
Aircraft: N331AR  
Domain: 00 (Transit), 02 (Mid-Atlantic)  
Sites Flown: Transit (LSUS -> KLEX -> KOKV)  

Report Author: Mitch Haynes  
Lidar Operators: Mitch Haynes  
Flight Hours: 01:56, 01:45  
Spectrometer Operators:  
Hours until maintenance: 71.60  
Pilots: Justin Eddington, Nick Koukoutsakis  
GPS Instruments: NA  
Ground Crew: Abe Morrison  

Summary  
Flight crew completed the final legs of our three-day transit to arrive in Winchester, VA in preparation of D02 AOP collections. The Twin Otter is all settled in to its new FBO-hanger avionics shop home, and the system is being pumped and cooled in order to be ready for flights starting Monday, August 2nd.  

Concerns  
None  

Comments  
GPS 05 was set up at the Winchester Airport.  

Cumulative Domain Coverage  
D02 | BLAN (Blandy Experimental Farm)  
| 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 | 30 | 31 | 32 | 33 |
Flown: 0% (0/33)  
Green: 0% (0/33)  
Yellow: 0% (0/33)  
Red: 0% (0/33)  

D02 | N02B (D02 Nominal Runway)  
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
</tbody>
</table>
Flown: 0% (0/1)  
Green: 0% (0/1)  
Yellow: 0% (0/1)  
Red: 0% (0/1)  

D02 | SCBI (Smithsonian Conservation Biology Institute)  
| 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 | 30 | 31 | 32 |
Flown: 0% (0/32)  
Green: 0% (0/32)  
Yellow: 0% (0/32)
Red: 0% (0/32)

D02|SERC (Smithsonian Environmental Research Center)

| 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)

Weather Forecast
Annapolis, MD (SERC)

<table>
<thead>
<tr>
<th>Sun 8/1</th>
<th>Mon 8/2</th>
<th>Tue 8/3</th>
<th>Wed 8/4</th>
<th>Thu 8/5</th>
<th>Fri 8/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>77°</td>
<td>66°F</td>
<td>82°</td>
<td>70°F</td>
<td>80°</td>
<td>70°F</td>
</tr>
</tbody>
</table>

Partly Cloudy | Showers | Mostly Sunny | Mostly Cloudy | Partly Cloudy | Showers | Few Showers

Cloud Cover (%)

Winchester, VA (SCBI, BLAN)

<table>
<thead>
<tr>
<th>Sun 8/1</th>
<th>Mon 8/2</th>
<th>Tue 8/3</th>
<th>Wed 8/4</th>
<th>Thu 8/5</th>
<th>Fri 8/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>81°</td>
<td>61°F</td>
<td>82°</td>
<td>59°F</td>
<td>81°</td>
<td>59°F</td>
</tr>
</tbody>
</table>

Partly Cloudy | AM Clouds/PM Sun | Mostly Sunny | Mostly Cloudy | Partly Cloudy | Mostly Cloudy | AM Showers

Cloud Cover (%)

source: wunderground.com

Flight Collection Plan for July 31 – August 1 2021
Pumping and Cooling of system

Flight Collection Plan for August 02 2021
Flyority 1
Collection Area: Smithsonian Environmental Research Center (SERC)
Flight Plan Name: D02_SERC_R1_P1_PRM.xml
On-Station Time: 1350 UTC/ 0950 L
Flyority 2
Collection Area: Smithsonian Conservation Biology Institute (SCBI)
Flight Plan Name: D02_SCBI_C1_P1_v1_PRM.xml
On-Station Time: 1350 UTC/ 0950 L

Flyority 3
Collection Area: Blandy Experimental Farm (BLAN)
Flight Plan Name: D02_BLAN_R2_P1_v3_PRM.xml
On-Station Time: 1350 UTC/ 0950 L

Flyority 4
Collection Area: Nominal Runway - D02 - KOKV (N02B)
Flight Plan Name: D02_N02B_Nominal_Runway_Test_v1_PRM.xml
On-Station Time: NA

Crew: Mitch, Abe