Payload 1 Daily Flight Report

Date: 2022-10-13
Flight Campaign ID: P1C1
Airport, FBO ID, City: Providenciales International Airport (MBPV) - Providenciales, Turks and Caicos, Rafael Hernandez International Airport (TJBQ) – Aguadilla, Puerto Rico
Aircraft: N331AR

Domain: 04 (Atlantic Neotropical)
Sites Flown: Transit (MBPV -> TJBQ)
Days left in Domain: 30

Report Author: Mitch
Lidar Operators: Mitch
Flight Hours: 02:39
Spectrometer Operators: Hours until maintenance: 75.62
Pilots: Sam, Justin
Ground Crew: Cameron, Abe

Summary
Crew completed the long transit to Puerto Rico, landing in Aguadilla and clearing customs. The system is now pumping and cooling in preparation of starting flights.

Concerns
cRIO did not start normally upon initial boot of the system but a full power cycle appeared to resolve the issue.

Comments
None

Pictures
Above: A last look at Providenciales after takeoff this morning. Below: A view of Salt Cay seen through the clouds.
Above: Our first look at our new D04 home in Aguadilla  Below: The Otter tucked away awaiting flights!
Cumulative Domain Coverage

D04 | CUPE (Rio Cupeyes)

Flown: 0% (0/10)
Green: 0% (0/10)
Yellow: 0% (0/10)
Red: 0% (0/10)

D04 | GUAN (Guanica Forest)

Flown: 0% (0/34)
Green: 0% (0/34)
Yellow: 0% (0/34)
Red: 0% (0/34)

D04 | GUIL (Rio Guilarte)

Flown: 0% (0/15)
Green: 0% (0/15)
Yellow: 0% (0/15)
Red: 0% (0/15)

D04 | LAJA (Lajas Experimental Station)

Flown: 0% (0/22)
Green: 0% (0/22)
Yellow: 0% (0/22)
Red: 0% (0/22)

D04 | N04C (D04 Nominal Runway)

Flown: 0% (0/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 0% (0/2)

Weather Forecast

Guayanilla, Puerto Rico (GUAN)

<table>
<thead>
<tr>
<th>Fri 10/14</th>
<th>Sat 10/15</th>
<th>Sun 10/16</th>
<th>Mon 10/17</th>
<th>Tue 10/18</th>
<th>Wed 10/19</th>
<th>Thu 10/20</th>
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<tr>
<td>PM</td>
<td>PM</td>
<td>Thunderstorms</td>
<td>PM</td>
<td>Scattered</td>
<td>Mostly Sunny</td>
<td>PM</td>
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Flight Collection Plan for 14-15 October 2022
Pumping and Cooling of System

Flight Collection Plan for 16 October 2022
Flyority 1
Collection Area: Guanica Forest (GUAN)
Flight Plan Name: D04_GUAN_C1_P1_v1_PRM.xml
On-station Time: 1330 UTC / 0930 L

Flyority 2
Collection Area: Lajas Experimental Station (LAJA)
Flight Plan Name: D04_LAJA_R1_P1_v6_PRM.xml
On-station Time: 1330 UTC / 0930 L

Flyority 3
Collection Area: Rio Cupeyes (CUPE)
Flight Plan Name: D04_CUPE_A1_P1_v1_PRM.xml
On-station Time: 1330 UTC / 0930 L

Flyority 4
Collection Area: Rio Guilarte (GUIL)
Flight Plan Name: D04_GUIL_A2_P1_v2_PRM.xml
On-station Time: 1330 UTC / 0930 L

Flyority 5
Collection Area: D04 Nominal Runway
Flight Plan Name: D04_N04C_Nominal_Runway_Test_v1_PRM.xml
On-station Time: NA