Date: 2022-10-22
Flight Campaign ID: P1C1
Airport, FBO ID, City: Rafeal Hernandez International Airport (TJBQ) - Aguadilla, Puerto Rico
Aircraft: N331AR

Domain: 04 (Atlantic Neotropical)
Sites Flown: GUAN (Guanica Forest)
Days left in Domain: 21

Report Author: Abe
Lidar Operators: Abe
Spectrometer Operators: Cameron
Pilots: Brent, Justin

Flight Hours: 02:02
Hours until maintenance: 70.90
GPS Instruments: 04 - FBO_TBJQ, C-PRMI

Summary
The crew took off to quite a bit of cloud around Aguadilla airport, but with relatively clear skies on the tower camera at the GUAN site. The clouds mostly stayed out of the flight box for a while allowing 12 lines and a cross strip to be flown in “yellow” sky conditions. As the standard low cumulus clouds started to form below our flight altitude the weather was also deteriorating around the airport in Aguadilla, this ended the collections for the day.

Concerns
None

Comments
None

Daily Coverage

Estimated Cloud Cover Key

<table>
<thead>
<tr>
<th></th>
<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
</tr>
</thead>
</table>

D04|GUAN

<table>
<thead>
<tr>
<th>Line #</th>
<th>21</th>
<th>22</th>
<th>23</th>
<th>24</th>
<th>25</th>
<th>26</th>
<th>27</th>
<th>28</th>
<th>29</th>
<th>30</th>
<th>31</th>
<th>32</th>
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</thead>
<tbody>
<tr>
<td>Lidar</td>
<td>✓</td>
<td>✓</td>
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<td>Spectrometer</td>
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<td>Camera</td>
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<tr>
<td>Cloud Cover</td>
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Total number of lines flown: 12
Flight Screenshots

Cumulative Domain Coverage

D04|CUPE (Rio Cupeyes)

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<th>2</th>
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<th>7</th>
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<th>9</th>
<th>10</th>
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Flown: 40% (4/10)
Green: 0% (0/10)
Yellow: 40% (4/10)
Red: 0% (0/10)

D04|GUAN (Guanica Forest)

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</thead>
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Flown: 47% (16/34)
Green: 0% (0/34)
Yellow: 44% (15/34)
Red: 3% (1/34)

D04|GUIL (Rio Guilarte)

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</tr>
</thead>
</table>

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

D04|LAJA (Lajas Experimental Station)

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</thead>
</table>

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

D04|N04C (D04 Nominal Runway)

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Flown: 0% (0/2)
Green: 0% (0/2)
Yellow: 0% (0/2)
Red: 0% (0/2)
Flown: 100% (5/5)
Green: 100% (5/5)
Yellow: 0% (0/5)
Red: 0% (0/5)

Weather Forecast
Guayanilla, Puerto Rico (GUAN)

San German, Puerto Rico (LAJA & CUPE)

Adjuntas Puerto Rico (GUIL)

source: wunderground.com
Flight Collection Plan for 23 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

CREW: Lidar: Camron  NIS: Abraham