July 15, 2019 Payload 1 Daily Flight Report

Date: 2019-07-15
Flight Campaign ID: 2019_P1C1
Airport, FBO ID, City: Forbes Field, KFOE, Topeka, Kansas

Domain: 06
Sites Flown: KONZ, KONA
Days left in Domain: 2

Report Author: Abe Morrison
Flight Crew: Abe Morrison, John Adler
Ground/GPS: N/A
Flight Hours: 1:38
Hours until maintenance: 103.13
Pilots: Chad Evans, David Little
Additional Personnel:
GPS Instruments: GPS-5 (GFBO), U-KSU1

Summary
The crew was greeted at the airport this morning with quickly developing low cumulus clouds. However, as they do, the crew pressed on with a flight and found the cloud cover dissipated and was clear over the collection area as the sun angle time came up. They were able to “Green Up” 2 lines (lines 31 & 32) before the low cumulus started building. 4 more line were collected under “yellow” conditions (lines 16-19) before the clouds made it impossible to collect any further.

Concerns
None

Comments
• Mitch Haynes arrives today to replace Abe Morrison who will depart tomorrow morning.

Flight Screenshots

Lidar

NIS
Cumulative Domain Coverage

<table>
<thead>
<tr>
<th>KONZ_KONA</th>
<th>1</th>
<th>2</th>
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- Flown: 52% (19/38)
- Green: 52% (19/38)
- Yellow: 0% (0/38)
- Red: 0% (0/38)

Weather

Topeka KS

<table>
<thead>
<tr>
<th>Tue 7/16</th>
<th>Wed 7/17</th>
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<tbody>
<tr>
<td>94°</td>
<td>76° F</td>
</tr>
<tr>
<td>Sunny</td>
<td>Mostly Sunny</td>
</tr>
<tr>
<td>0.15 in</td>
<td>0 in</td>
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Manhattan KS

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Flight Collection Plan for 16 July 2019

Flyority 1

Collection Area: Konza Prairie Biological Station (KONZ) – Konza Agricultural Site (KONA)
Flight Plan Name: D06_KONZ_KONA_C1_P1_v3
On-station Time: 1450 – 2210Z / 9:50-5:10 L

Crew: John Adler (lidar), Mitch Haynes (NIS)