Date: 2022-06-10
Flight Campaign ID: P1C1
Airport, FBO ID, City: Topeka Regional Airport (KFOE) - Topeka, KS
Aircraft: N331AR

Domain: 06 (Prairie Peninsula)
Sites Flown: None
Days left in Domain: 6

Report Author: Mitch
Lidar Operators: Mitch     Flight Hours: 00:00
Spectrometer Operators: Abe     Hours until maintenance: 62.05
Pilots: Justin, Jeremy

Summary
Early morning rain shadows were followed by overcast and low cumulus clouds throughout the day, preventing any flight collections from occurring.

Concerns
None

Comments
- Vacuum pump arrived late today. The Getter will be reactivated following any flight activities tomorrow in an effort to troubleshoot the Ion Pump “arching” alert.
- Conducted a Payload tour with University of Kansas Aerospace & Engineering Professor Dr. Haiyang Chao.
- Cam arrived in D06 today to replace Mitch, who departs tomorrow.

Pictures: ASO Abe described our GPS setup during our tour with UK Professor Dr. Chao
### Cumulative Domain Coverage

**D06|KONZ_KONA** (Konza Prairie Biological Station and Relocatable Agricultural Site)

<table>
<thead>
<tr>
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| Flown: 0% (0/35)  
Green: 0% (0/35)  
Yellow: 0% (0/35)  
Red: 0% (0/35) |

**D06|MCDI** (McDiffett Creek)

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<tr>
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| Flown: 0% (0/19)  
Green: 0% (0/19)  
Yellow: 0% (0/19)  
Red: 0% (0/19) |

**D06|N06A** (D06 Nominal Runway)

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Green: 0% (0/1)  
Yellow: 0% (0/1)  
Red: 100% (1/1) |

**D06|UKFS** (University of Kansas Field Station)

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</table>
| Flown: 100% (25/25)  
Green: 0% (0/25)  
Yellow: 0% (0/25)  
Red: 100% (25/25) |
### Weather Forecast

**Manhattan, KS**

<table>
<thead>
<tr>
<th>Date</th>
<th>Temperature</th>
<th>Cloud Cover</th>
<th>Precipitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sat 6/11</td>
<td>94°F / 72°F</td>
<td>Mostly Sunny</td>
<td>0.09 in</td>
</tr>
<tr>
<td>Sun 6/12</td>
<td>94°F / 77°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
</tr>
<tr>
<td>Mon 6/13</td>
<td>99°F / 81°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
</tr>
<tr>
<td>Tue 6/14</td>
<td>98°F / 74°F</td>
<td>Mostly Sunny</td>
<td>0 in</td>
</tr>
<tr>
<td>Wed 6/15</td>
<td>90°F / 65°F</td>
<td>PM Thunderstorms</td>
<td>0.19 in</td>
</tr>
<tr>
<td>Thu 6/16</td>
<td>93°F / 70°F</td>
<td>Mostly Sunny</td>
<td>0 in</td>
</tr>
</tbody>
</table>

**Lawrence, KS**

<table>
<thead>
<tr>
<th>Date</th>
<th>Temperature</th>
<th>Cloud Cover</th>
<th>Precipitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sat 6/11</td>
<td>91°F / 72°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
</tr>
<tr>
<td>Sun 6/12</td>
<td>94°F / 78°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
</tr>
<tr>
<td>Mon 6/13</td>
<td>98°F / 80°F</td>
<td>Partly Cloudy/Wind</td>
<td>0 in</td>
</tr>
<tr>
<td>Tue 6/14</td>
<td>96°F / 77°F</td>
<td>Mostly Sunny/Wind</td>
<td>0 in</td>
</tr>
<tr>
<td>Wed 6/15</td>
<td>92°F / 68°F</td>
<td>PM Thunderstorms</td>
<td>0.46 in</td>
</tr>
<tr>
<td>Thu 6/16</td>
<td>91°F / 70°F</td>
<td>Partly Cloudy</td>
<td>0 in</td>
</tr>
</tbody>
</table>

Source: wunderground.com

### Flight Collection Plan for 11 June 2022

**Flyority 1**
Collection Area: Konza Prairie Biological Station (KONZ) – Konza Agricultural Site (KONA)
Flight Plan Name: D06_KONZ_KONA_C1_P1_v4_PRM.xml
On-station Time: 1450 UTC / 0950 L

**Flyority 2**
Collection Area: University of Kansas Field Station (UKFS) **If “Green” Sky Conditions**
Flight Plan Name: D06_UKFS_R1_P1_v3_PRM.xml
On-station Time: 1440 UTC / 0940 L

Flyority 3
Collection Area: McDuffett Creek (MCDI)
Flight Plan Name: D06_MCDI_C1_P2_v3_PRM.xml
On-station Time: 1450 UTC / 0950 L

Flight Crew:
Abe (Lidar), Cam (NIS)