Payload 3 Daily Flight Report

Date: 2023-06-14
Flight Campaign ID: P3C1
Airport, FBO ID, City: Bismarck Municipal Airport (KBIS) - Bismarck, ND
Aircraft: N934MU

Domain: 09 (Northern Plains)
Sites Flown: None
Days left in Domain: 19

Report Author: Cameron
Lidar Operators: Cameron   Flight Hours: 00:00
Spectrometer Operators: John   Hours until maintenance: 41.28
Pilots: Jon, Jeff

Summary
The Payload continued to pump down today. We began cooling this morning and anticipate the payload will reach nominal specifications tomorrow afternoon thus putting us on track to begin data collection Friday as scheduled (weather dependent).

Concerns
- The sherpa is having issues charging. After some cable reseating, it appears to be functioning. We will continue to monitor.

Comments
- None

Daily Coverage
Estimated Cloud Cover Key

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<th>Green: 0-10%</th>
<th>Yellow: 11-50%</th>
<th>Red: &gt;50%</th>
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Cumulative Domain Coverage

D09|N09A (D09 Nominal Runway)

1
Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)

D09|NOGP (Northern Great Plains )

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Yellow: 0% (0/26)
Red: 0% (0/26)
D09|WOOD_DCFS (Woodworth and Dakota Coteau Field School)

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Green: 0% (0/54)
Yellow: 0% (0/54)
Red: 0% (0/54)

Bismarck, ND (NOGP)

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<td>62°F</td>
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<td>64°F</td>
<td>57°F</td>
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PM
Thunderstorms:
0.39 in
Mostly Cloudy:
0 in
Partly Cloudy:
0 in
Partly Cloudy:
0 in
Sunny:
0 in
PM
Thunderstorms:
0.49 in
Scattered:
0.27 in

Woodworth, ND (DCFS)

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Isolated AM Showers:
0.43 in
Partly Cloudy:
0 in
Partly Cloudy:
0 in
Mostly Sunny:
0 in
Mostly Sunny:
0 in
Scattered:
0.11 in
Thunderstorms:
0.26 in

source: wunderground.com
Flight Collection Plan for June 15, 2023

Flyority 1
Collection Area: Woodworth (WOOD) – Dakota Coteau Field School (DCFS)
Flight Plan Name: D09_WOOD_DCFS_C1_P1_v4_Q780
On-Station Time: 15:00 UTC/ 10:00 L

Flyority 2
Collection Area: Northern Great Plains (NOGP)
Flight Plan Name: D09_NOGP_R2_P1_v2_Q780
On-Station Time: 15:10 UTC/ 10:10 L

Crew: John (Lidar), Cam (NIS)