Payload 1 Daily Flight Report

Date: 2022-08-26
Flight Campaign ID: P1C1
Airport, FBO ID, City: Tucson International Airport - Tucson, AZ
Aircraft: N331AR

Domain: 14 (Desert Southwest)
Sites Flown: None
Days left in Domain: 16

Report Author: Mitch
Lidar Operators: Mitch
Spectrometer Operators: Elissa
Other Staff: Vince, Jeremy
Flight Hours: 00:00
Hours until maintenance: 48.27

Summary
Payload continues to pump & cool, and is on track for Sunday to be the first eligible day of flights here in D14.

Concerns
During full system start up yesterday, the Lakeshore unit failed to boot properly. Power was cycled on the Eaton ECS power strip, after which it booted as expected.

Comments
Next Thursday tentatively scheduled for payload tour with Domain 14 staff.

Cumulative Domain Coverage

D14|JORN_P1 (Jornada Priority 1)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 |

Flown: 0% (0/26)
Green: 0% (0/26)
Yellow: 0% (0/26)
Red: 0% (0/26)

D14|JORN_P2 (Jornada Priority 2)

| 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 |
| 55 |

Flown: 0% (0/21)
Green: 0% (0/21)
Yellow: 0% (0/21)
Red: 0% (0/21)

D14|N14A (D14 Nominal Runway)

<table>
<thead>
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Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
**D14 | SRER_P1 (Santa Rita Experimental Range Priority 1)**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

Flown: 0% (0/40)
Green: 0% (0/40)
Yellow: 0% (0/40)
Red: 0% (0/40)

**D14 | SRER_P2 (Santa Rita Experimental Range Priority 2)**

| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 |

Flown: 0% (0/24)
Green: 0% (0/24)
Yellow: 0% (0/24)
Red: 0% (0/24)

**D14 | SRER_P3 (Santa Rita Experimental Range Priority 3)**

| 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |
| 85 | 86 | 87 | 88 | 89 | 90 |

Flown: 0% (0/26)
Green: 0% (0/26)
Yellow: 0% (0/26)
Red: 0% (0/26)

**Weather Forecast**

Tucson, AZ (FBO & SRER)

<table>
<thead>
<tr>
<th>Sat 8/27</th>
<th>Sun 8/28</th>
<th>Mon 8/29</th>
<th>Tue 8/30</th>
<th>Wed 8/31</th>
<th>Thu 9/1</th>
<th>Fri 9/2</th>
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<tbody>
<tr>
<td>97°</td>
<td>74°F</td>
<td>96°</td>
<td>74°F</td>
<td>99°</td>
<td>76°F</td>
<td>103°</td>
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<tr>
<td>Mostly Sunny</td>
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![Weather Forecast Chart]
Flight Collection Plan for August 27 2022
Continue pumping and cooling of system

Crew: Elissa, Mitch

Flight Collection Plan for August 28 2022
Flyority 1
Collection Area: Jornada (JORN) – Priority 1 Flight Box – Priority 1 Box
Flight Plan Name: D14_JORN_R1_P1_v5_PRM.xml
35° On-station Time: 15:40 UTC / 09:40 MDT / 8:40 MST

Flyority 2
Collection Area: Santa Rita Experimental Range (SRER) – Priority 1 Box
Flight Plan Name: D14_SRER_C1_P1_v6_PRM.xml
40° On-station Time: 16:20 UTC / 09:20 MST

Flyority 3
Collection Area: Santa Rita Experimental Range (SRER) – Priority 2 Box
Flight Plan Name: D14_SRER_C1_P1_v6_PRM.xml
40° On-station Time: 16:20 UTC / 09:20 MST

Flyority 4
Collection Area: Santa Rita Experimental Range (SRER) – Priority 3 Box
Flight Plan Name: D14_SRER_C1_P1_v6_PRM.xml
40° On-station Time: 16:20 UTC / 09:20 MST

Flyority 5
Collection Area: Jornada (JORN) – Priority 2 Flight Box
Flight Plan Name: D14_JORN_R1_P1_v5_PRM.xml
35° On-station Time: 15:40 UTC / 09:40 MDT / 8:40 MST
Flyority 6
Collection Area: Nominal Runway – D14
Flight Plan Name: D14_N14A_Nominal_Runway_Test_v1_PRM
On-station Time: N/A