Payload 3 Daily Flight Report

Date: 2021-08-31
Flight Campaign ID: P3C1
Airport, FBO ID, City: Tucson International Airport (KTUS) - Tucson, AZ
Aircraft: N615AR

Domain: 14 (Desert Southwest)
Sites Flown: None
Days left in Domain: 8

Report Author: Elissa Barris
Lidar Operators: Elissa Barris
Spectrometer Operators: Abe Morrison
Pilots: Stephen Brawders, Will Mathews

Flight Hours: 00:00
Hours until maintenance: 40.83

Summary
Once again, low cumulus prevented flights this morning, and quickly built into midday and afternoon rainstorms. No flights were conducted.

Concerns
None.

Comments
- We visited the plane to check on the air conditioner reservoir and new cooling configuration; all appears well.
- RAID 13 QA activities were wrapped up and the RAID was shipped.
- Flight 2021082515_P3C1 was extracted onto RAID 14 without its POS data.

Cumulative Domain 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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D14 | JORN_P1 (Jornada Priority 1 )

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Flown: 100% (34/34)
Green: 100% (34/34)
Yellow: 0% (0/34)
Red: 0% (0/34)
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: 14% (3/21)
Green: 10% (2/21)
Yellow: 5% (1/21)
Red: 0% (0/21)

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 |

Flown: 100% (40/40)
Green: 100% (40/40)
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 |

Flown: 79% (19/24)
Green: 79% (19/24)
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 |

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

Weather Forecast

Vail, AZ (SRER)

![Weather Forecast Image]
Flight Collection Plan for 1 September 2021

Flyority 1
Collection Area: Santa Rita Experimental Range (SRER) – Priority 2 Flight Box
Lines 42-46
Flight Plan Name: D14_SRER_C1_P2_v5_Q780
On-station Time: 16:10 UTC / 09:10 L

Flyority 2
Collection Area: Santa Rita Experimental Range (SRER) – Priority 3 Flight Box
Flight Plan Name: D14_SRER_C1_P3_v5_Q780
On-station Time: 16:10 UTC / 09:10 L

Flyority 3
Collection Area: Jornada (JORN) – Priority 2 Flight Box
Lines 38-55
Flight Plan Name: D14_JORN_R1_P2_v4_Q780
On-station Time: 16:00 UTC / 09:00 L

Crew: Abe and Elissa