August 27, 2019 Payload 2 Daily Flight Report

Date: 2019-08-27  
Flight Campaign ID: 2019_P2C1  
Airport, FBO ID, City: El Paso International Airport (KELP) - El Paso, TX

Domain: 14  
Sites Flown: JORN_P2 (Jornada Priority 2)  
Days left in Domain: 16

Report Author: Ivana Vu  
Flight Crew: Ivana Vu, Mitch Haynes  
Ground/GPS: Mitch Haynes  
Pilots: Paul Muth, Micah Hoogeveen  
Additional Personnel: None  
GPS Instruments: 02 - FBO_KELP, U-P026, U-RG07, U-SG33

Flight Hours: 03:30  
Hours until maintenance: 111.22

Summary
Flight crew returned to JORN today where cloud cover was 10-50%. Coverage is now complete at this site so we will relocate from El Paso to Scottsdale, AZ on Thursday to be closer to SRER and SYCA.

Concerns
- GPS_SRER is still offline – domain staff are planning to be at the tower site tomorrow
- Northern end of this flight box was too close to restricted airspace for pilots to complete standard turns without going over our bank angle limit

Comments
Mitch will depart tomorrow to troubleshoot the GPS at SRER and deploy an AOP base station at either SRER or the Tucson Airport

Flight Screenshots
Lidar  
Spectrometer
### Estimated Cloud Cover Key

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<th>Green: 0-10%</th>
<th>Yellow: 10-50%</th>
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### Daily Coverage

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### Flown:

- 21%
- 5%
- 0%

### Cumulative Domain Coverage

#### JORN_P1

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- Flown: 100% (34/34)
- Green: 91% (31/34)
- Yellow: 9% (3/34)
- Red: 0% (0/34)

#### JORN_P2

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

- Flown: 100% (21/21)
- Green: 5% (1/21)
- Yellow: 100% (21/21)
- Red: 0% (0/21)

#### N14A

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- Flown: 100% (1/1)
- Green: 100% (1/1)
- Yellow: 0% (0/1)
- Red: 0% (0/1)
### SRER_P1

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

### SRER_P2

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 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 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |

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

### SRER_P3

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 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 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |

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

### SYCA

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 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 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |

- **Flown:** 0% (0/52)
- **Green:** 0% (0/52)
- **Yellow:** 0% (0/52)
- **Red:** 0% (0/52)

### Weather Forecast

**El Paso, TX**

- **Wed 8/28:** Partly Cloudy (0.06 in)
- **Thu 8/29:** Mostly Sunny (0 in)

**Scottsdale, AZ**

- **Thu 8/29:** Sunny (0 in)
- **Fri 8/30:** Sunny (0 in)
- **Sat 8/31:** Sunny (0 in)
- **Sun 9/1:** Partly Cloudy (0 in)
- **Mon 9/2:** Partly Cloudy (0 in)
- **Tue 9/3:** Partly Cloudy (0 in)

- **Cloud Cover (%)**
- **Chance of Precip. (%)**
Flight Collection Plan for 28 August 2019
No flights scheduled

Flight Collection Plan for 30 August 2019
Transit to Scottsdale, AZ
Crew: Ivana Vu

Flight Collection Plan for 31 August 2019

**Flyority 1:**
Collection Area: Santa Rita Experimental Range – Priority 1 Flight Box (SRER_P1)
Flight Plan Name: D14_SRER_C1_P1_P2_P3_v5.pln
On-station Time: 1620 – 2230 UTC / 0920 – 1530 MST

**Flyority 2:**
Collection Area: Santa Rita Experimental Range – Priority 2 Flight Box (SRER_P2)
Flight Plan Name: D14_SRER_C1_P1_P2_P3_v5.pln
On-station Time: 1620 – 2230 UTC / 0920 – 1530 MST

**Flyority 3:**
Collection Area: Santa Rita Experimental Range – Priority 3 Flight Box (SRER_P3)
Flight Plan Name: D14_SRER_C1_P1_P2_P3_v5.pln
On-station Time: 1620 – 2230 UTC / 0920 – 1530 MST

**Flyority 4:**
Collection Area: Sycamore Creek – Priority 1 Flight Box (SYCA)
Flight Plan Name: D14_SYCA_A1_P1_v5_750_max.pln
On-station Time: 1620 – 2230 UTC / 0920 – 1530 MST

Crew: Mitch Haynes (Lidar), Ivana Vu (NIS/GPS)