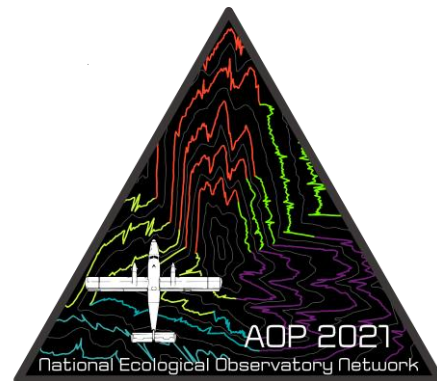




## Payload 3 Daily Flight Report



**Date:** 2021-08-29

**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:** 10

**Report Author:** Elissa Barris

**Lidar Operators:** Elissa Barris

**Flight Hours:** 00:00

**Spectrometer Operators:** Abe Morrison

**Hours until maintenance:** 40.83

**Pilots:** Stephen Brawders, Will Mathews

### Summary

Low clouds persisted today at the SRER and JORN areas still needing to be collected, and eventually developed into thunderstorms again. No flights were collected.

### Concerns

None.

### Comments

This morning we got creative with the plane's air conditioning unit, modifying the ductwork to ventilate both the cabin and unit itself simultaneously. So far it appears to be helping to keep the unit below its shut-off threshold and to regulate temperatures in the cabin.

### Cumulative Domain Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

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	27	28	29	30	31	32	33	34						

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	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

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	62	63	64																

Flown: 79% (19/24)  
Green: 79% (19/24)  
Yellow: 0% (0/24)  
Red: 0% (0/24)

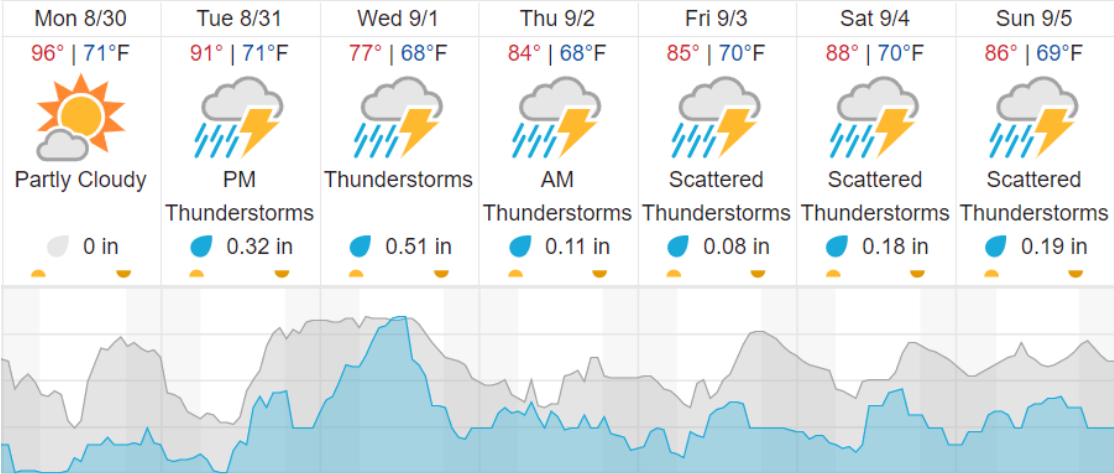
D14|SRER\_P3 (Santa Rita Experimental Range Priority 3 )

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

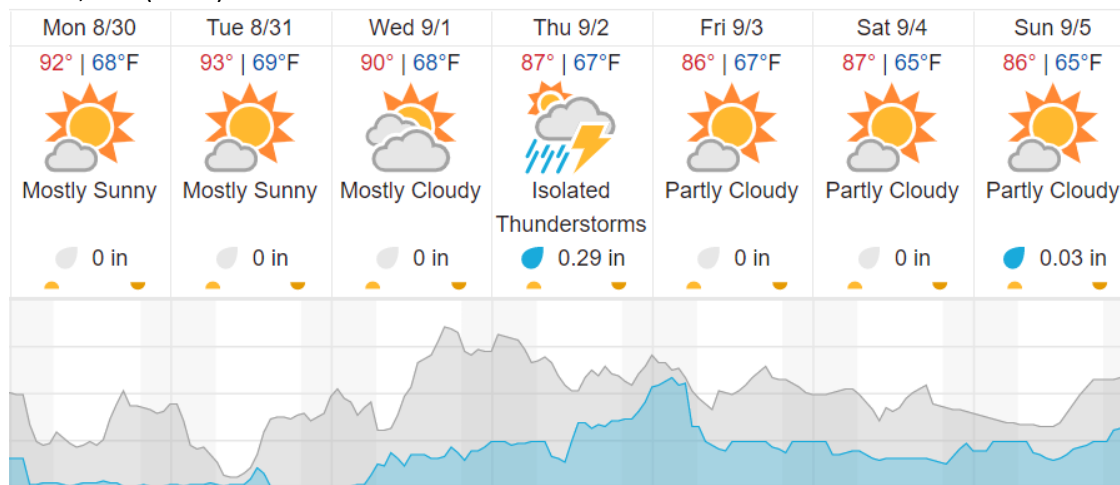
Flown: 0% (0/26)  
Green: 0% (0/26)  
Yellow: 0% (0/26)  
Red: 0% (0/26)

Weather Forecast

Vail, AZ (SRER)



## Hatch, NM (JORN)



	Cloud Cover (%)		Chance of Precip. (%)
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source: wunderground.com

## Flight Collection Plan for 30 August 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