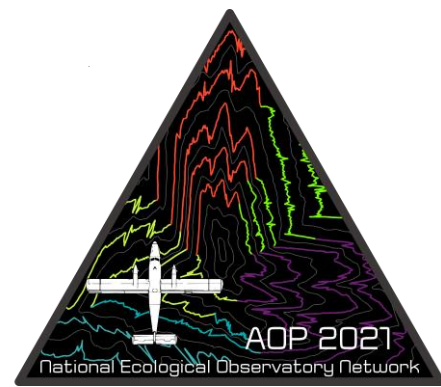




Payload 3 Daily Flight Report



Date: 2021-08-28

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: 11

Report Author: Abe Morrison

Lidar Operators: Abe Morrison

Spectrometer Operators: Elissa Barris

Pilots: Stephen Brawders, Vince Maarschalkerweerd

Flight Hours: 00:00

Hours until maintenance: 40.83

Summary

Cloudy conditions at both sites today did not allow for a 6th straight day of flights. No collections were made today.

Concerns

-Due to the Midas 1 disc failures, flight disc sets 1 and 5 will be kept out of rotation. Only four full sets are now available for use.

-On yesterday's flight report we incorrectly identified the flight with the failed disc that needs to be reflown. The correct flight that had the failed disc was 2021082515, SRER P2 (lines 42-46), & SRER P3 (lines 78-90). The cumulative domain coverage (below) is correct.

Comments

-After a few days of getting backed up due to HK issues, we are now caught up on data extractions.

-The coolant reservoir in the chiller was filled today.

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	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)

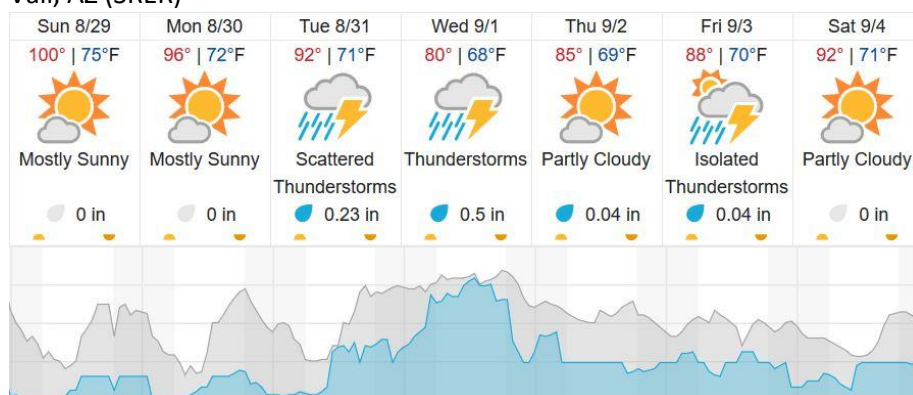
Green: 0% (0/26)

Yellow: 0% (0/26)

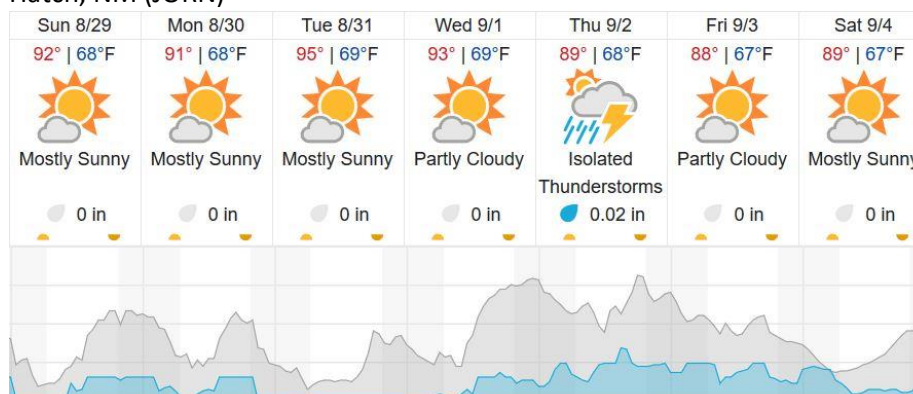
Red: 0% (0/26)

Weather Forecast

Vail, AZ (SRER)



Hatch, NM (JORN)



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

Flight Collection Plan for 29 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