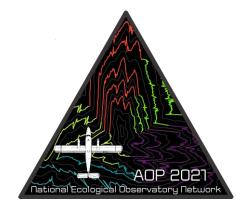


Payload 3 Daily Flight Report



Date: 2021-08-23 Flight Campaign ID: P3C1 Airport, FBO ID, City: Tucson International Airport (KTUS) - Tucson, AZ Aircraft: N615AR

Domain: 14 (Desert Southwest) Sites Flown: SRER P1 (Santa Rita Experimental Range Priority 1) Days left in Domain: 16

Report Author: Abe Morrison Lidar Operators: Abe Morrison Spectrometer Operators: Michael Wussow Pilots: Stephen Brawders, Vince Maarschalkerweerd GPS Instruments: 06 - KTUS, AOP_SRER

Flight Hours: 03:57 Hours until maintenance: 59.07

Summary

The crew was greeted this morning with clear skies and a favorable forecast for the day. The building cumulus clouds stayed at a distance for most of the morning and early afternoon, allowing the crew to collect 28 lines in the SRER P1 flight box. These lines were collected in "green" sky conditions.

Concerns

-During system shut down on the transit back from the collection, the Midas 1 disk was not allowing POS data to be written to it. This error message was observed: "MIDAS SSD destination drive is no longer available, can not copy to device!". A reboot of the system after landing alleviated the issue and POS was transferred to the Midas 1.

Comments

-Michael Wussow will be departing tomorrow morning, Thanks for the hard work! Elissa Barris arrived this evening to join the crew.

Daily Coverage

Estimated Cloud Cover Key											
Green:	Yellow:	Red:									
0 10%	11 50%	NE0%									

D14|SRER_P1

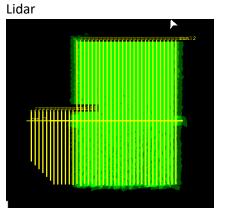
Line #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Lidar	\checkmark																			
Spectrometer		\checkmark																		
Camera	\checkmark																			
Cloud Cover																				

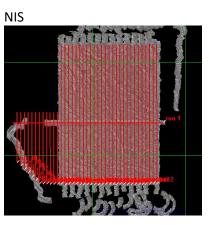
Line #	21	22	23	24	25	26	27	28
Lidar	\checkmark							
Spectrometer	\checkmark							
Camera	\checkmark							
Cloud Cover								

Total number of lines flown: 28

Flight Screenshots

SRER





Pictures



Santa Rita Mountains on this clear day. Pic by Abe M.

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)

1 Flown: 0% (0/1) Green: 0% (0/1) Yellow: 0% (0/1) Red: 0% (0/1)

D14|SRER_P1 (Santa Rita Experimental Range Priority 1)

	-	_	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	: 70%	(28/4	0)																
Craam	. 700/	120/1	2																

Green: 70% (28/40) 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	v: 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)				-													

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

Weather Forecast

Vail, AZ (SRER)

Tue 8/24	Wed 8/25	Thu 8/26	Fri 8/27	Sat 8/28	Sun 8/29	Mon 8/30
97° 73°F	100° 75°F	101° 76°F	99° 74°F	97° 73°F	97° 73°F	93° 72°F
X						
Sunny	Mostly Sunny	Mostly Sunny	Mostly Sunny	Mostly Sunny	Partly Cloudy	Partly Cloudy
0 in				0 in	0 in	0 in
					-	
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			m			
	$\sim$				$\sim$	
					_	~ ~

#### Hatch, NM (JORN)

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N	~			~			~~
0	in	0 in	0 in	0 in	0 in	0 in	0 in
Partly Clo	oudy M	Aostly Sunny	Sunny	Mostly Sunny	Mostly Sunny	Partly Cloudy	Partly Cloudy
95°   70	)°F	97°   69°F	95°   68°F	94°   68°F	93°   69°F	91°   68°F	90°   68°F
Tue 8/2		Wed 8/25	Thu 8/26	Fri 8/27	Sat 8/28	Sun 8/29	Mon 8/30

source: wunderground.com

# Flight Collection Plan for 24 August 2021

Flyority 1 Collection Area: Santa Rita Experimental Range (SRER) – Priority 1 Box Flight Plan Name: D14_SRER_C1_P1_v4_Q780 On-station Time: 16:10 UTC / 09:10 L

Flyority 2

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

Flyority 3

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

Flyority 4 Collection Area: Jornada (JORN) – Priority 1 Flight Box– Priority 1 Box Flight Plan Name: D14_JORN_R1_P1_v4_Q780 On-station Time: 16:00 UTC / 09:00 L

Flyority 5 Collection Area: Jornada (JORN) – Priority 1 Flight Box– Priority 2 Box Flight Plan Name: D14_JORN_R1_P2_v4_Q780 On-station Time: 16:00 UTC / 09:00 L

Crew: Abe and Elissa