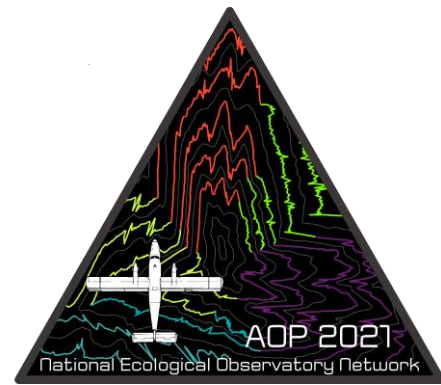




Payload 3 Daily Flight Report



Date: 2021-09-09

Flight Campaign ID: P3C1

Airport, FBO ID, City: Tucson International Airport (KTUS) - Tucson, AZ, Las Cruces International (KLRU) - Las Cruces, NM

Aircraft: N615AR

Domain: 14 (Desert Southwest)

Sites Flown: JORN_P2 (Jornada Priority 2)

Days left in Domain: 1

Report Author: Abe Morrison

Lidar Operators: Abe Morrison

Flight Hours: 01:38:00, 02:29:00, 01:24:00

Spectrometer Operators: Matt Devoe

Hours until maintenance: 28.37

Pilots: Will Mathews, Scott Hayward

GPS Instruments: 06 - KTUS, AOP_JORN

Summary

A cloud free day at Jornada allowed the crew to collect the remaining lines there under “green” sky conditions. 18 lines were collected in the JORN P2 box.

This completes the coverage in D14 for this year, as all lines in all flight boxes have been collected in “green” conditions. It’s also been great coordinating with and being able to assist multiple end data users with their coincident collections at both SRER and JORN. We will see you all in the desert again next year!

Concerns

None

Comments

-The plane will be packed tomorrow for a Saturday morning departure to Scottsdale AZ for the Cottonwood AA project.

Daily Coverage

Estimated Cloud Cover Key

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

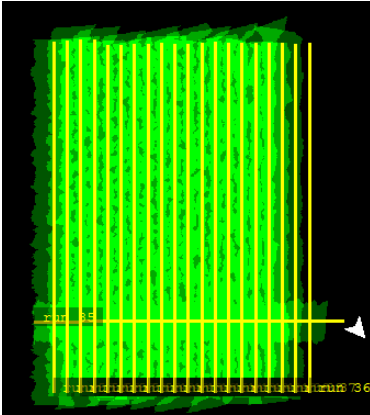
D14|JORN_P2

Line #	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																		

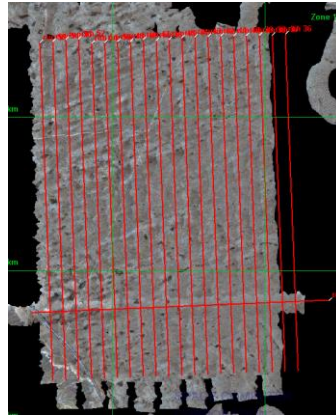
Total number of lines flown: 18

Flight Screenshots

Lidar



NIS



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: 100% (21/21)

Green: 100% (21/21)

Yellow: 0% (0/21)

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: 100% (24/24)

Green: 100% (24/24)

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: 100% (26/26)

Green: 100% (26/26)

Yellow: 0% (0/26)

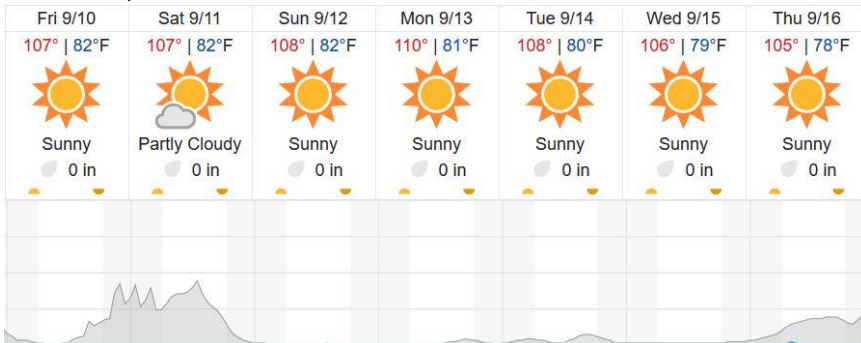
Red: 0% (0/26)

Weather Forecast

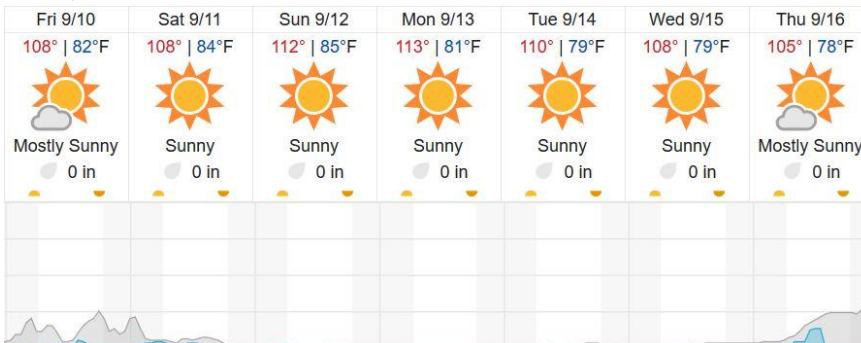
Tucson, AZ



Scottsdale, AZ



Yuma, AZ



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

Flight Collection Plan for 10 September 2021

Finish data activities for D14 flights and Load Plane for transit to Scottsdale, AZ

Flight Collection Plan for 11 September 2021

Transit to Scottsdale, AZ

Flight Collection Plan for 12 September 2021

First flights for Cottonwood AA Project