September 2, 2019 Payload 2 Daily Flight Report

Date: 2019-09-02
Flight Campaign ID: 2019_P2C1
Airport, FBO ID, City: Scottsdale Airport (KSDL) - Scottsdale, AZ

Domain: 14
Sites Flown: None
Days left in Domain: 10

Report Author: Mitch Haynes
Flight Crew: Mitch Haynes, Ivana Vu
Ground/GPS: None
Pilots: Paul Muth, Micah Hoogeveen
Additional Personnel: None
GPS Instruments: 02 - FBO_KSDL, 09 - SRER

Flight Hours: 00:00
Hours until maintenance: 104.42

Summary
Potential for clear sky collection flights over Santa Rita this morning were cancelled after it was discovered that we had insufficient GPS coverage.

Concerns

- Data from GPS 09 (currently set up at Santa Rita) failed to upload last night, and crew was unable to connect to unit this morning. D14 staff in the field at Santa Rita were able to put eyes on the unit, and confirmed the unit was off. After checking connections, the unit powered back on its own, and appeared to be charging. However, later in the day, it was observed that the unit was no longer online. Current theory is either a faulty battery or solar panel. Ivana Vu will drive to SRER tomorrow morning with spares of both in hopes to troubleshoot. Crew will plan on awaiting word from Ivana before starting SRER collect. New permanent SRER GPS receiver is scheduled to arrive Wednesday morning, and will be installed later that day.
- Aircraft cabin temperature continue to rise above acceptable levels inside hangar.

Comments

- Cameron Chapman arrived in Phoenix this afternoon to join the P2 crew. Welcome back, Cam!
- Special thanks to D14 staffers Amanda Wilcox-Waller & Katie Goodwin in troubleshooting today.
- Search for a viable GPS location at SYCA is still in progress.

Cumulative Domain Coverage

JORN_P1

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: 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

1

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

SRER_P1

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: 62% (25/40)
Green: 45% (18/40)
Yellow: 18% (7/40)
Red: 0% (0/40)

SRER_P2

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: 0% (0/24)
Red: 0% (0/24)

SRER_P3

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)

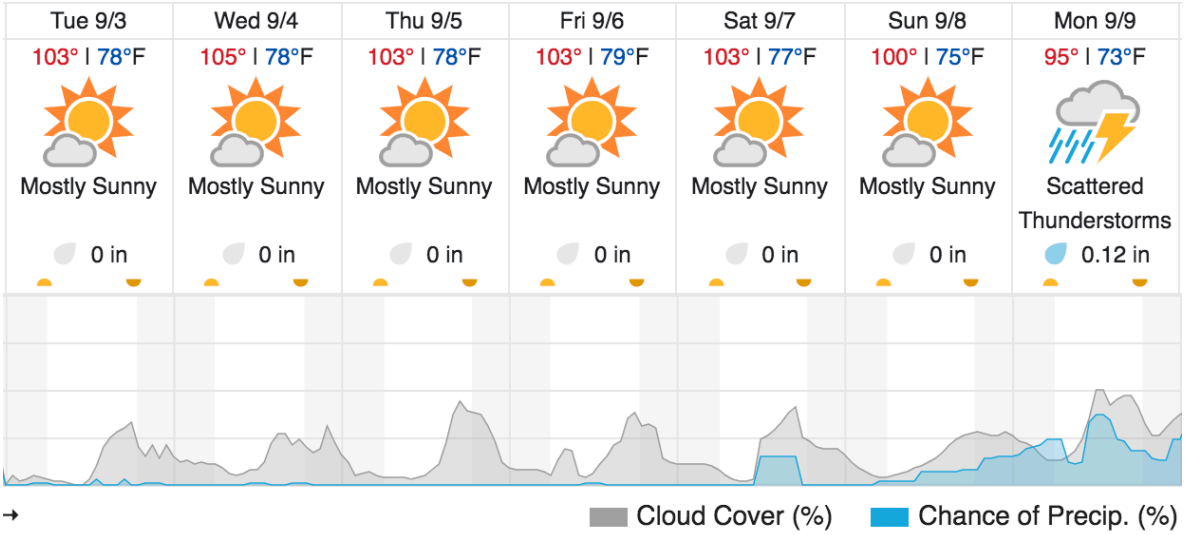
SYCA

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
41	42	43	44	45	46	47	48	49	50	51	52								

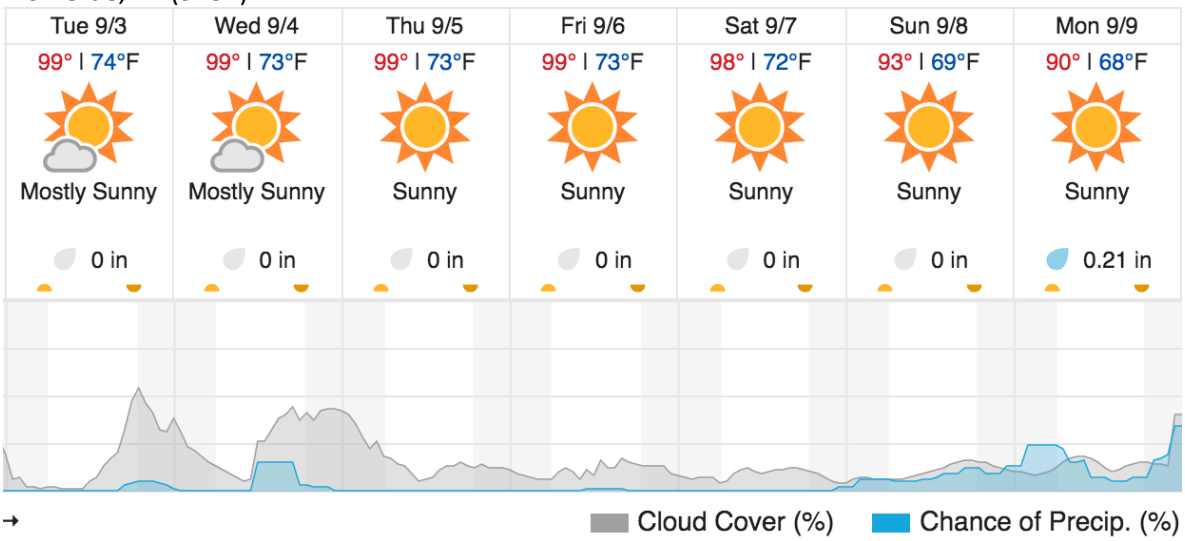
Flown: 0% (0/52)
Green: 0% (0/52)
Yellow: 0% (0/52)
Red: 0% (0/52)

Weather Forecast

Tucson, AZ (SRER)



Rio Verde, AZ (SYCA)



Flight Collection Plan for 3 September 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)
Will not be attempted until sufficient GPS Coverage is available
Flight Plan Name: D14_SYCA_A1_P1_v5_750_max.pln
On-staton Time: 1620 – 2230 UTC / 0920 – 1530 MST

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