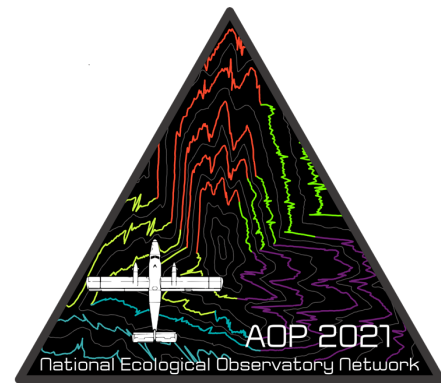




Payload 3 Daily Flight Report



Date: 2021-04-10
Flight Campaign ID: P3C1
Airport, FBO ID, City: Scottsdale Municipal Airport (KSDL) - Scottsdale, AZ
Aircraft: N615AR

Domain: 14 (Desert Southwest)
Sites Flown: SYCA (Sycamore Creek)
Days left in Domain: 1

Report Author: Mitch Haynes
Lidar Operators: Mitch Haynes **Flight Hours:** 03:45
Spectrometer Operators: Ivana Vu **Hours until maintenance:** 87.35
Pilots: Mark Solper, Stephen Brawders **GPS Instruments:** 02 - SYCA, 05 - FBO_KSDL

Summary

Given the forecast of overcast conditions tomorrow, the flight crew took to the skies to complete the rest of the Sycamore Creek flight box under yellow (11-50%) sky coverage conditions. 26 lines were collected.

Concerns

MIDAS1 disk from yesterday's flight failed at some point during extraction last night. No data was extracted, and the disk stopped displaying any data. Andrew was able to log in late last night and run a data recovery tool which recovered the POS files, but no camera data was saved. Another attempt to recover data from the disk will be made next week, but at this point, we have no camera data from yesterday's flight.

Comments

- Transit back to Boulder currently set to occur on Monday.
- GPS data from SYCA is not uploading to the ECS, likely due to limited connectivity at the site. This data will likely have to wait to be uploaded till the D14 staff pick up the GPS on their next SYCA visit and ship it back to Boulder.

Daily Coverage

Estimated Cloud Cover Key

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

D14|SYCA

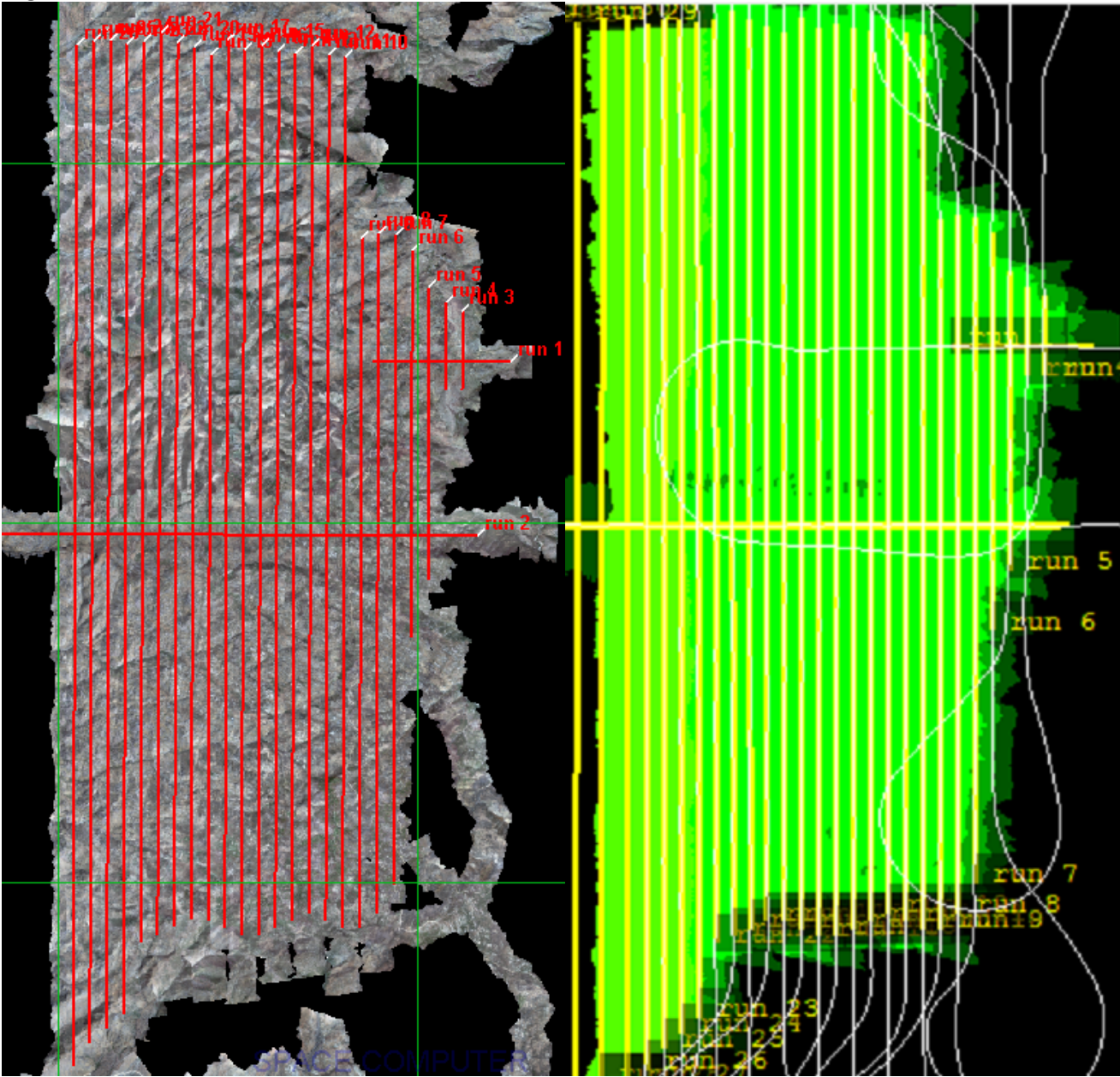
Line #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Lidar			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	21	22	23	24	25	26
Lidar	✓	✓	✓	✓	✓	✓

Spectrometer	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓
Cloud Cover	Yellow	Yellow	Yellow	Yellow	Yellow	Green

Total number of lines flown: 26

Flight Screenshots



Cumulative Domain Coverage

D14|SYCA (Sycamore Creek)

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	53	54	55	56	57	58	59	60
61	62																		

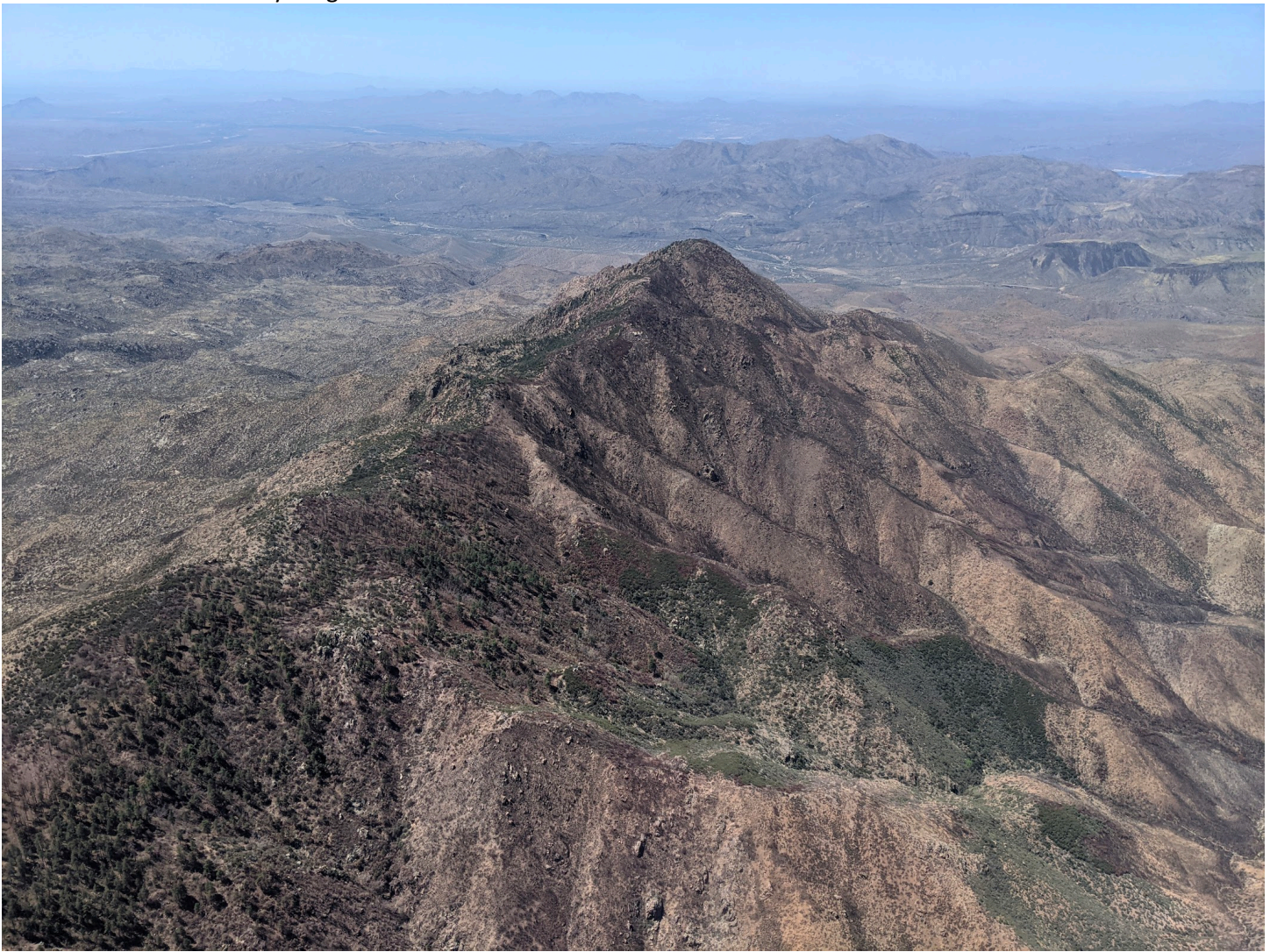
Flown: 100% (62/62)

Green: 55% (34/62)

Yellow: 45% (28/62)

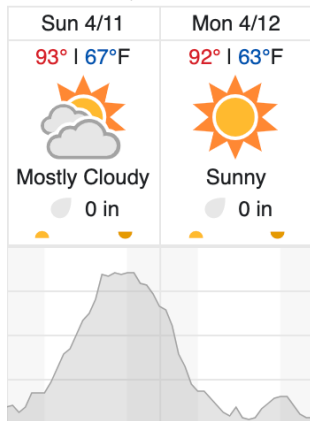
Red: 0% (0/62)

Pictures: Views from today's flight

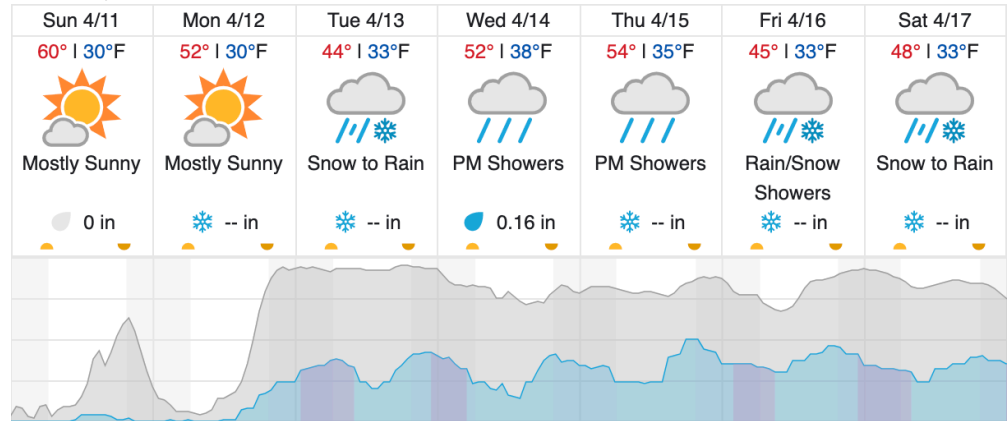


Weather Forecast

Scottsdale, AZ



Boulder, CO



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

Flight Collection Plan for 11 April 2021

Flyority 1

Collection Area: Sycamore Creek (SYCA)

Flight Plan Name: D14_SYCA_A1_P1_v6L_Q780

On-station Time: 1620 – 2230 UTC / 0920 – 1520 Local

*Will only re-fly if clear sky conditions

Crew: Mitch & Ivana