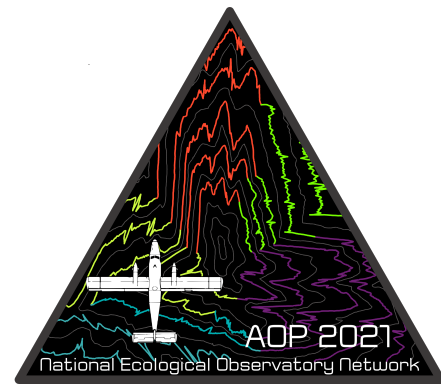




Payload 3 Daily Flight Report



**Date:** 2021-04-09

**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:** 2

**Report Author:** Ivana Vu

**Lidar Operators:** Ivana Vu

**Spectrometer Operators:** Mitch Haynes

**Pilots:** Stephen Brawders, Mark Solper

**Flight Hours:** 03:22

**Hours until maintenance:** 91.10

**GPS Instruments:** 02 - SYCA, 05 - FBO\_KSDL

**Summary**

Good weather allowed for more data collection over the western portion of the SYCA flight box. High cirrus clouds rolled in by the end of the flight.

**Concerns**

As expected, camera thumbnails and histogram stopped showing up halfway through the flight. Ian will troubleshoot the issue with Riegl when the plane is back in Boulder.

**Comments**

- GPS05 (FBO\_KSDL) was moved this morning before the flight.
- Weather permitting, Payload 3 will return to KBDU on Monday and Payload 1 will reposition to KBJC.

**Daily Coverage**

Estimated Cloud Cover Key

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

D14|SYCA

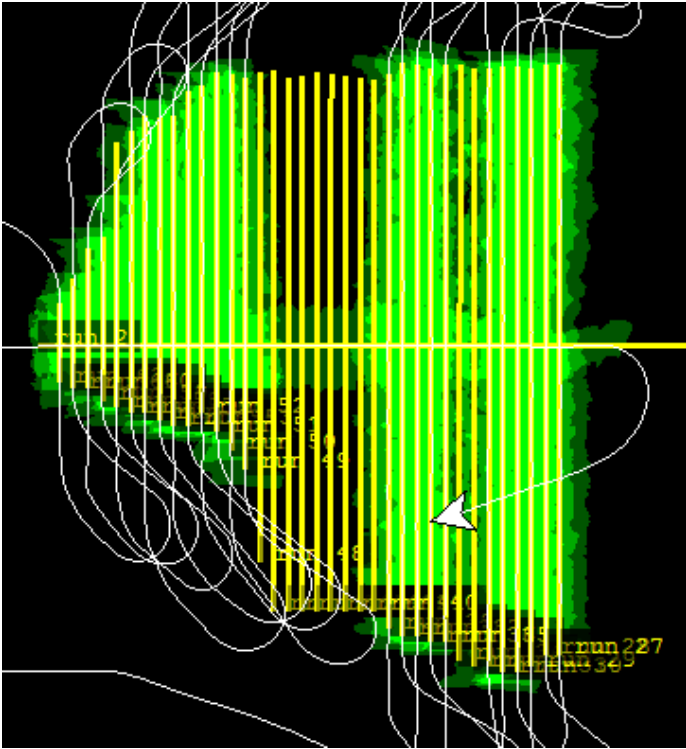
Line #	2	27	28	29	30	31	32	35	36	37	38	39	49	50	51	52	53	54	55	56
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	57	58	59	60	61	62
Lidar	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓
Cloud Cover						

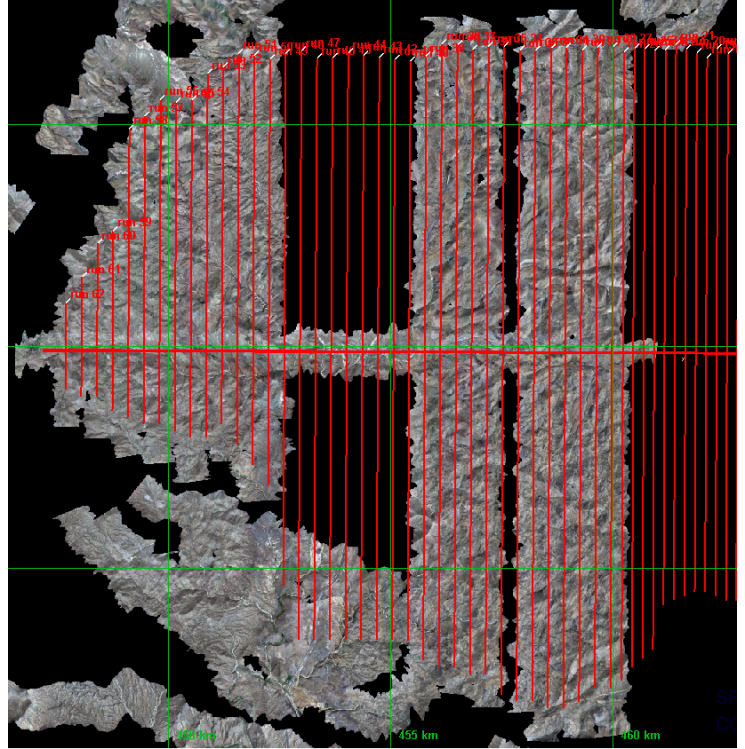
Total number of lines flown: 26

## Flight Screenshots

Lidar



NIS



## Pictures

View from western side of flight box looking east over SYCA



## Cumulative Domain Coverage

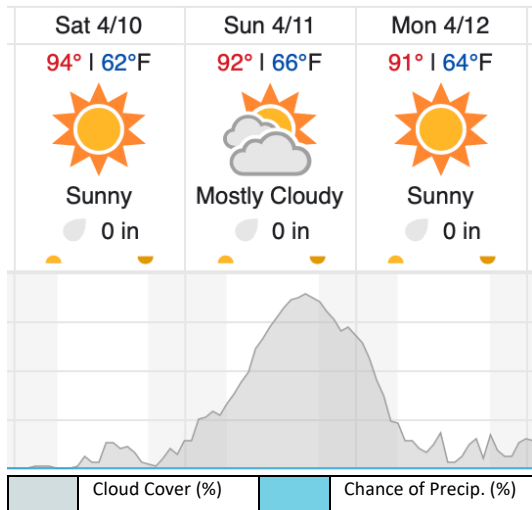
### D14 | SYCA (Sycamore Creek)

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: 60% (37/62)  
 Green: 53% (33/62)  
 Yellow: 6% (4/62)  
 Red: 0% (0/62)

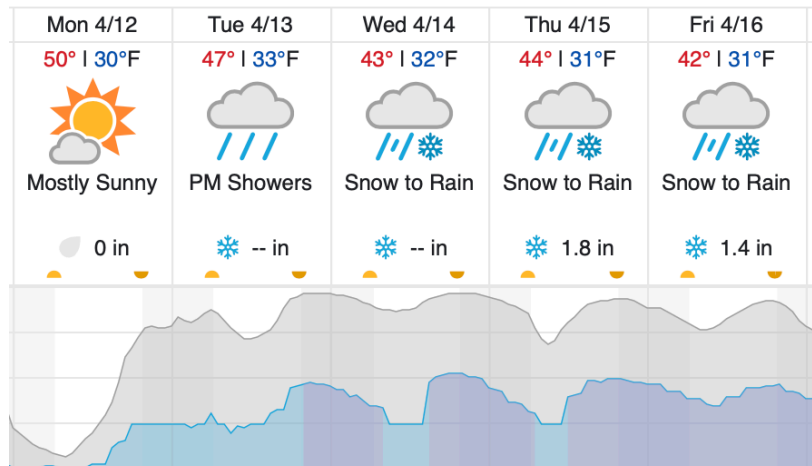
## Weather Forecast

### Scottsdale, AZ



source: wunderground.com

### Boulder, CO



## Flight Collection Plan for 10 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

Crew: Mitch & Ivana