



## May 25, 2019 Payload 3 Daily Flight Report



**Date:** 2019-05-25

**Flight Campaign ID:** 2019\_P3C1

**Airport, FBO ID, City:** Topeka Regional Airport (KFOE) - Topeka, KS

**Domain:** 06

**Sites Flown:** UKFS (University of Kansas Field Station)

**Days left in Domain:** 2

**Report Author:** Michael Wussow

**Flight Crew:** Michael Wussow, John Adler

**Ground/GPS:** Elissa Barris

**Pilots:** Gina Moore, Stephen Brawdars

**Additional Personnel:**

**GPS Instruments:** 00 - AOP\_UKFS, 03 - FBO\_KFOE

**Flight Hours:** 01:36

**Hours until maintenance:** 41.22

### Summary

The weather in The Plains continues to be unstable and un-cooperative. We were able to survey nine lines at UKFS under red conditions before the cloud deck lowered and we were forced to abort. The red conditions were mostly due to thick haze/stratocumulus and cumulus on the periphery.

### Concerns

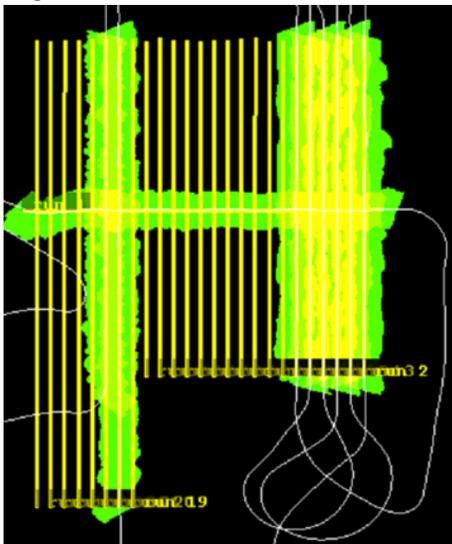
Waveform QA did not generate and the Coverage .kml did not generate properly for yesterday's flight, 2019052413.

### Comments

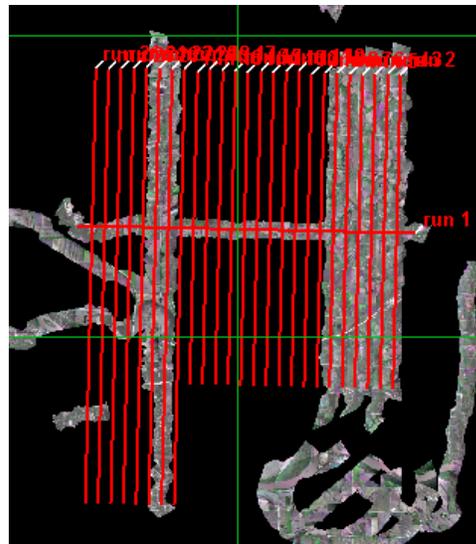
-Pilot Stephen Brawdars departs this evening and Jeff Quintanilla arrives. Thanks Stephen!

-FltOps3 will make a weather call for Monday by Sunday night in order to give the NIS3 system ample time to warm up during the transit to D05, scheduled for Tuesday. The warm-up is a preventative measure taken to prevent blue-light ghosting within the system.

### Flight Screenshots



Lidar



NIS

Pictures



Thick haze or stratocumulus over Lawrence today



Additional cumulus and thick haze

## Daily Coverage

D06   UKFS	Line	SpecG	SpecY	SpecR	NIS	Lidar	Camera	Cumulative
	1				✓	✓	✗	NL
	2				✓	✓	✗	NL
	3				✓	✓	✗	NL
	4				✓	✓	✗	NL
	5				✓	✓	✗	NL
	6				✓	✓	✗	NL
	7				✓	✓	✗	NL
	20				✓	✓	✗	NL
	21				✓	✓	✗	NL
Flown:	9							

## Cumulative Domain Coverage

### KONZ\_KONA

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		

Flown: 100% (38/38)

Green: 0% (0/38)

Yellow: 50% (19/38)

Red: 53% (20/38)

### UKFS

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: 81% (21/26)

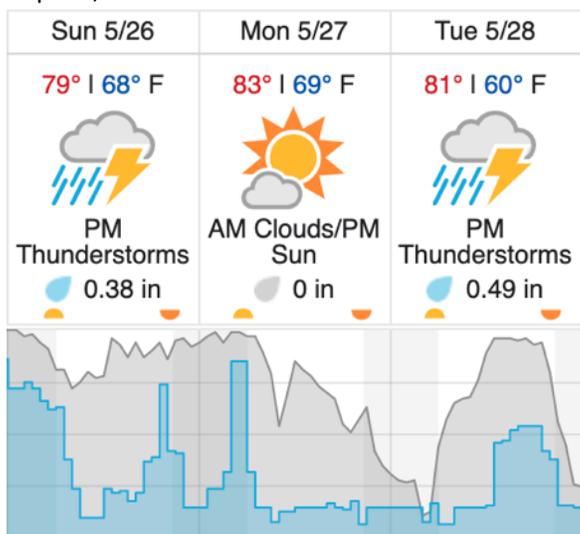
Green: 0% (0/26)

Yellow: 0% (0/26)

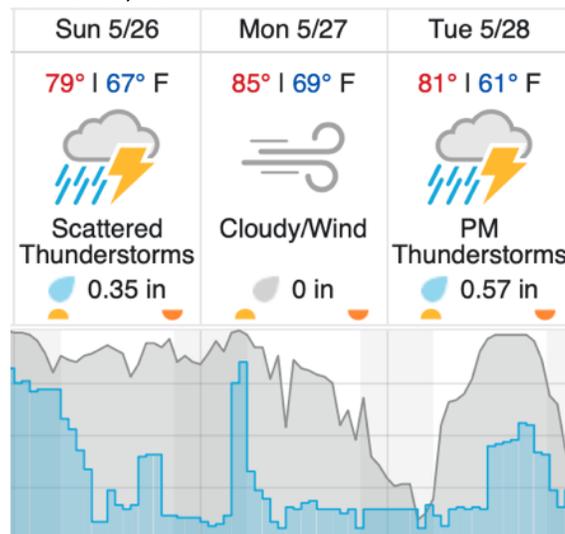
Red: 85% (22/26)

## Weather Forecast

Topeka, KS

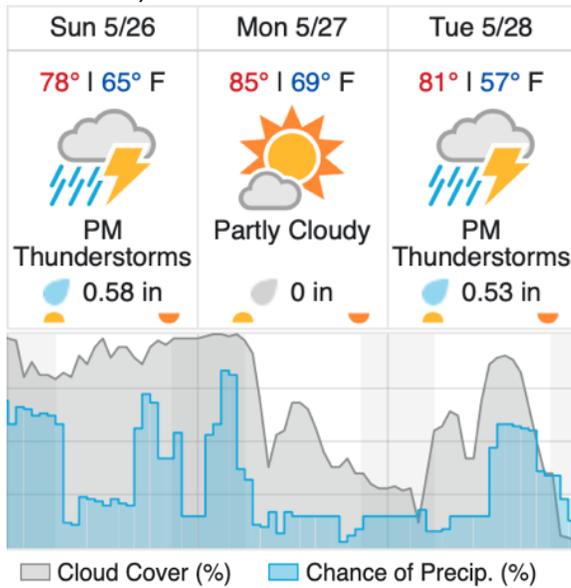


Lawrence, KS



☐ Cloud Cover (%)    ☐ Chance of Precip. (%)

Manhattan, KS



**Flight Collection Plan for 26 May 2019**

**Flyority 1**

Collection Area: Konza Prairie Biological Station (KONZ) – Konza Agricultural Site (KONA)

Flight Plan Name: D06\_KONZ\_KONA\_C1\_P1\_v4\_Q780

On-station Time: 1450 – 2200Z

\*\*If Green conditions exist

**Flyority 2**

Collection Area: University of Kansas Field Station (UKFS)

Flight Plan Name: D06\_UKFS\_R1\_P1\_v3\_Q780

On-station Time: 1440 – 2150Z

**Crew:** Elissa Barris (Lidar), Mike Wussow (NIS), John Adler (GPS/Ground)