



Payload 3 Daily Flight Report



Date: 2020-07-10
Flight Campaign ID: P3C1
Airport, FBO ID, City: Topeka Regional Airport (KFOE) - Topeka, KS

Domain: 06 (Prairie Peninsula)
Sites Flown: UKFS (University of Kansas Field Station)
Days left in Domain: 7

Report Author: Elissa Barris
Lidar Operators: Elissa Barris **Flight Hours:** 03:35
Spectrometer Operators: Mitch Haynes **Hours until maintenance:** 67.77
Pilots: Micah Hooegeven, Justin Eddington **GPS Instruments:** 06 - FBO_KFOE, AOP_UKFS

Summary

After waiting this morning for clouds to clear, we saw a potential window and attempted to collect at KONZ/KONA. Upon arriving at the site and finding yellow cloud conditions, we pivoted to UKFS where clouds had almost entirely dissipated. Conditions there continued to improve, allowing green collection of the entire site.

Concerns

None.

Comments

NIS Mercury lamp collection conducted this morning.

Daily Coverage

Estimated Cloud Cover Key

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

D06|UKFS

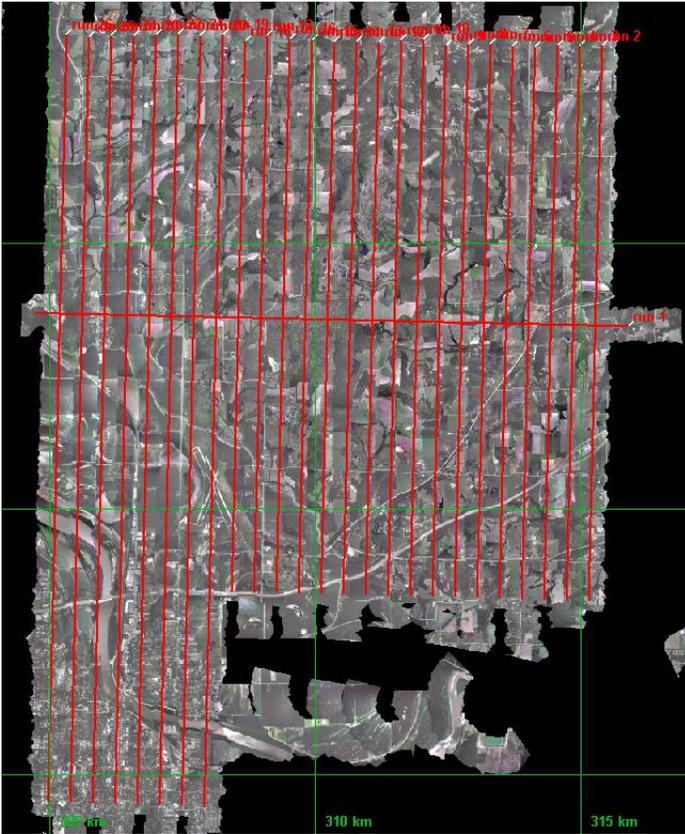
Line #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover																				

Line #	22	23	24	25	26
Lidar	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓
Cloud Cover					

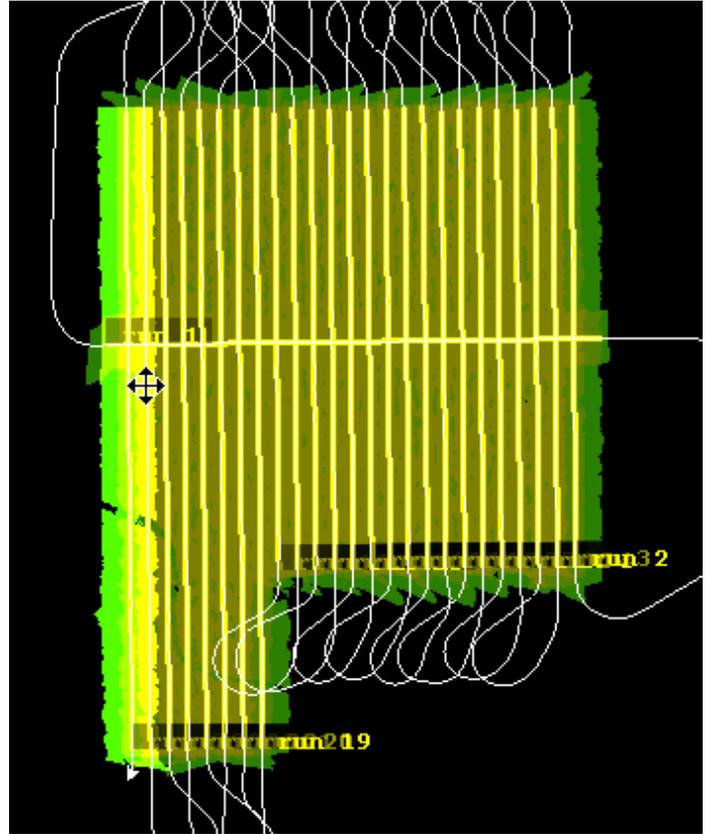
Total number of lines flown: 25

Flight Screenshots

NIS



Lidar



Pictures

None.

Cumulative Domain Coverage

D06 | KONZ_KONA (Konza Prairie Biological Station and Relocatable Agricultural Site)

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: 34% (13/38)

Green: 5% (2/38)

Yellow: 29% (11/38)

Red: 0% (0/38)

D06 | UKFS (University of Kansas Field Station)

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: 100% (26/26)

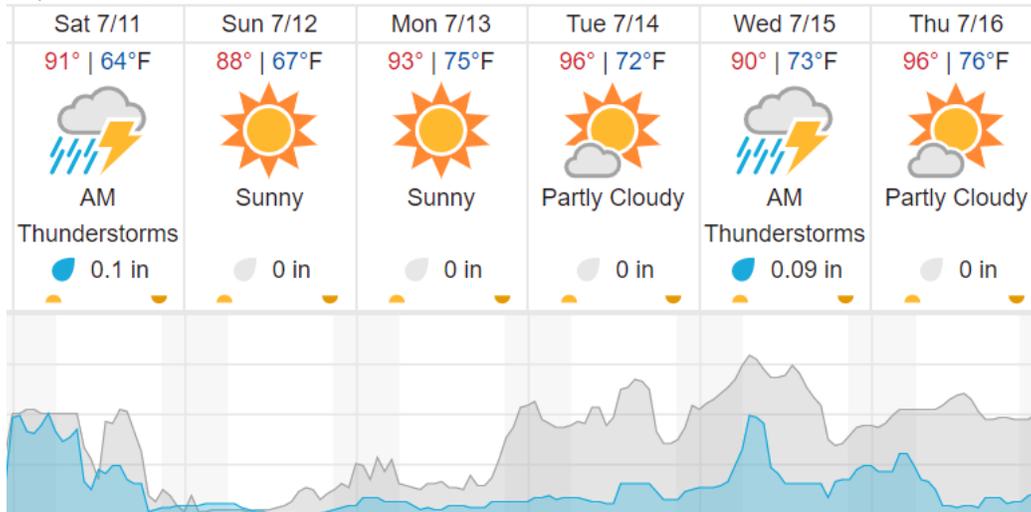
Green: 100% (26/26)

Yellow: 0% (0/26)

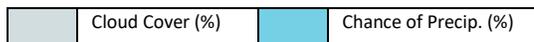
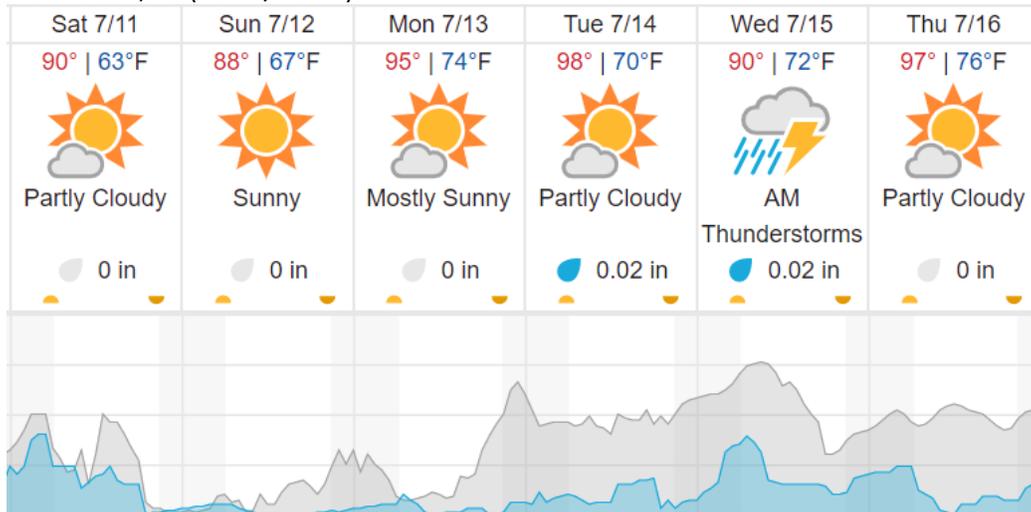
Red: 0% (0/26)

Weather Forecast

Topeka, KS (KFOE)



Manhattan, KS (KONZ/KONA)



Flight Collection Plan for 11 July 2020

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: 0950 L / 1450 UTC

Crew: Mitch Haynes (Lidar), Elissa Barris (NIS/GPS)