



Payload 3 Daily Flight Report



Date: 2023-05-26

Flight Campaign ID: P3C1

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

Aircraft: N934MU

Domain: 06 (Prairie Peninsula)

Sites Flown: KONZ_KONA (Konza Prairie Biological Station), UKFS (University of Kansas Field Station)

Days left in Domain: 7

Report Author: Mike

Lidar Operators: Mike

Spectrometer Operators: John

Pilots: Paul, Shane

Flight Hours: 03:21

Hours until maintenance: 59.25

GPS Instruments: 02 - KFOE, AOP_UKFS, U-KSU1

Summary

Nice weather near Lawrence allowed us to finish off the priority site, UKFS, in clear conditions today. While in the air, we started collecting data at KONZ-KONA as the forecast is not currently showing clear conditions there for the next week.

Concerns

None

Comments

-6 green lines were collected at UKFS

-11 red and yellow lines were collected on the east side of KONZ-KONA

Daily Coverage

Estimated Cloud Cover Key

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

D06|UKFS

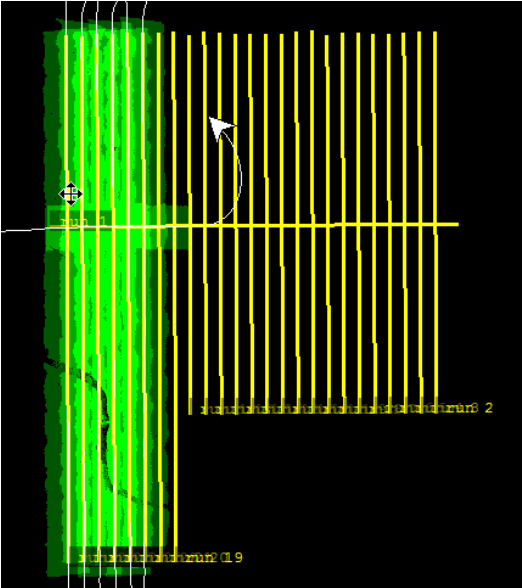
Line #	1	21	22	23	24	25	26
Lidar		✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓
Camera		✓	✓	✓	✓	✓	✓
Cloud Cover							

Total number of lines flown: 7

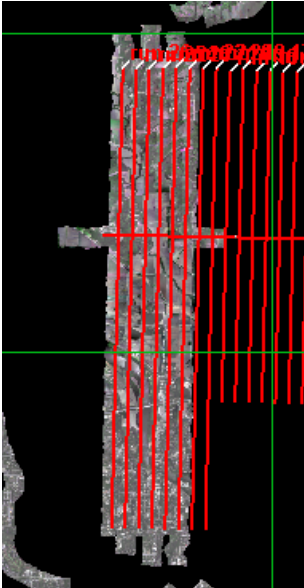
Line #	1	4	5	6	7	8	9	10	11	12	13	14
Lidar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover												

Total number of lines flown: 12

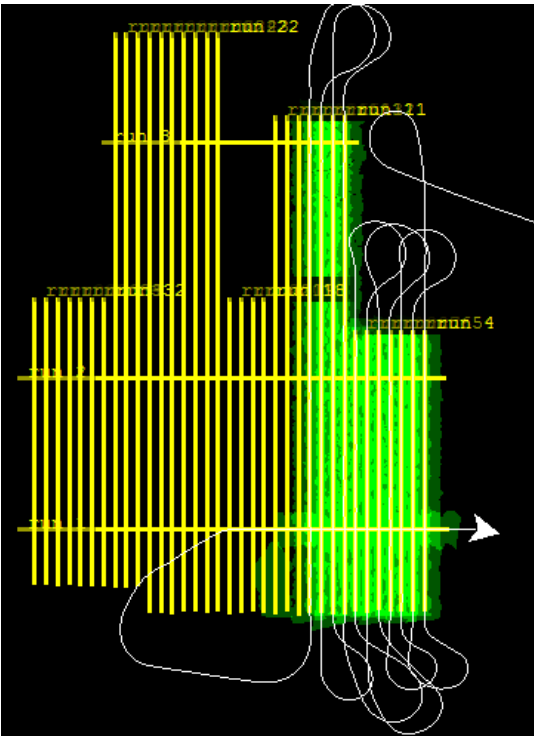
Flight Screenshots



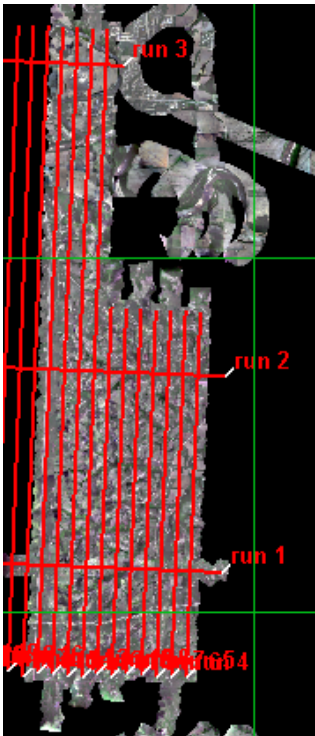
UKFS Lidar



UKFS NIS

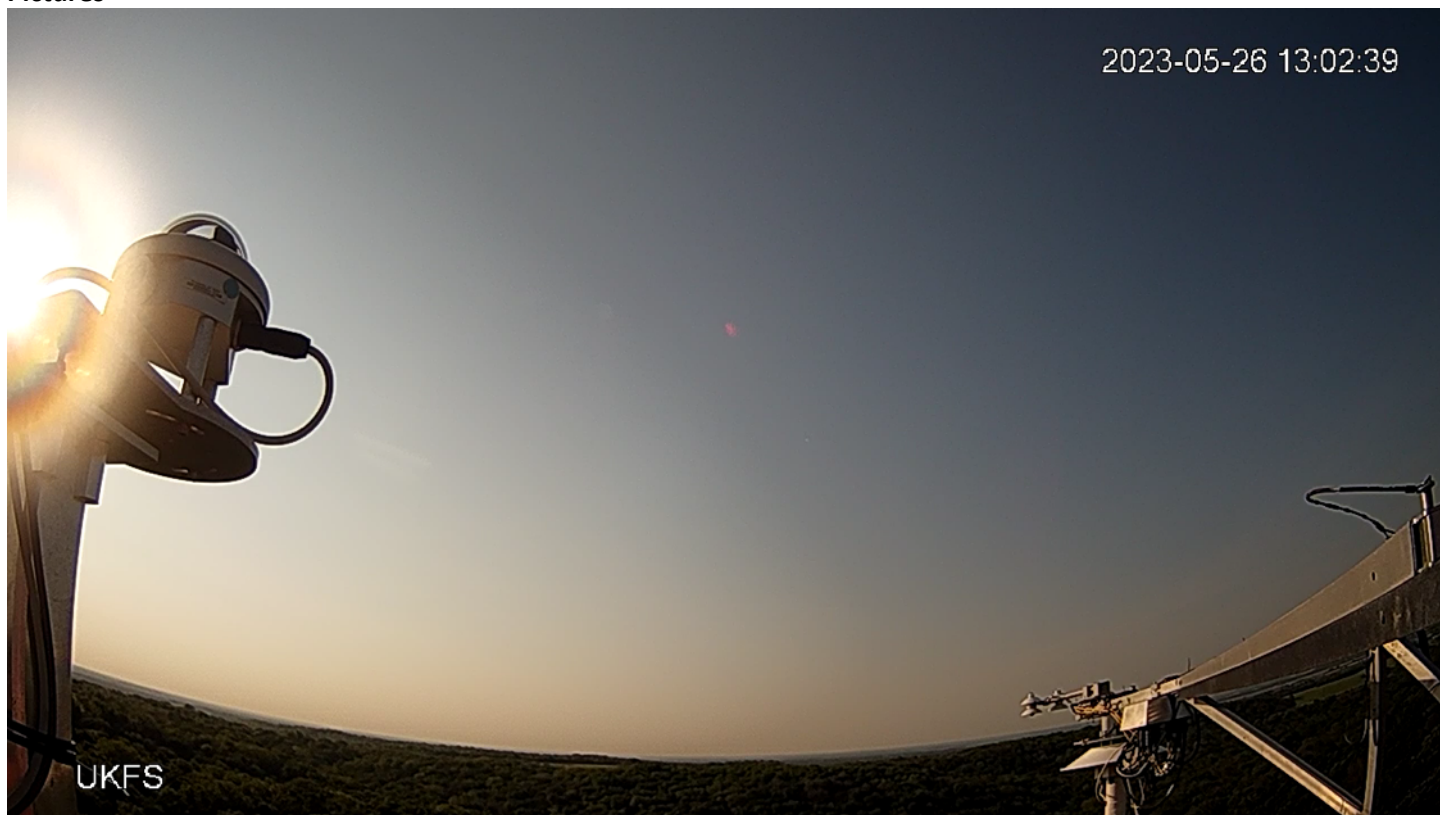


KONZ_KONA lidar



KONZ_KONA NIS

Pictures



Morning skies at UKFS from the AOP tower camera

Cumulative Domain Coverage

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

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: 31% (11/35)

Green: 0% (0/35)

Yellow: 9% (3/35)

Red: 23% (8/35)

D06 | MCDI (McDiffett Creek)

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Flown: 0% (0/19)

Green: 0% (0/19)

Yellow: 0% (0/19)

Red: 0% (0/19)

D06 | UKFS (University of Kansas Field Station)

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% (25/25)

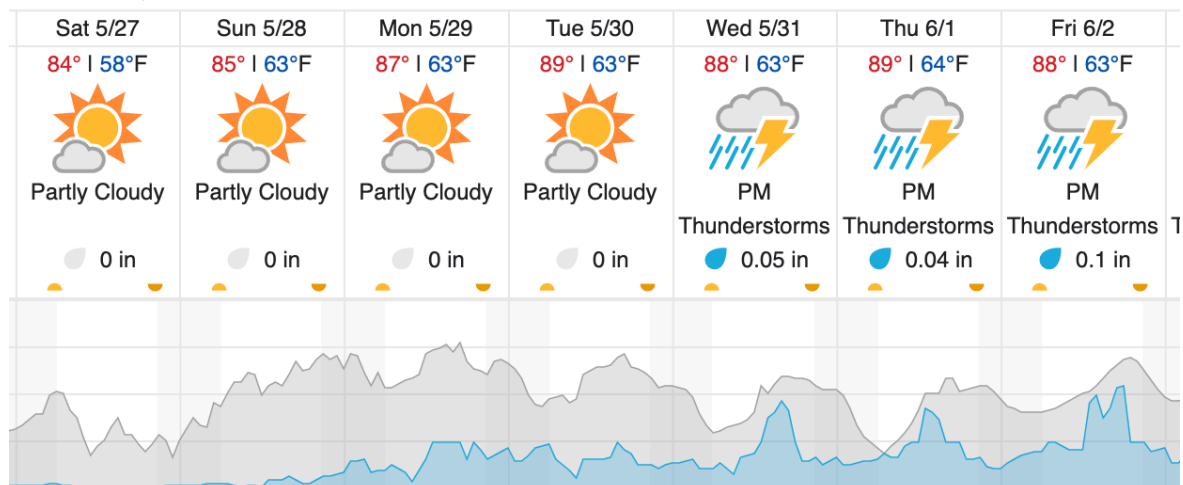
Green: 100% (25/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

Weather Forecast

Manhattan, KS



source: wunderground.com

Flight Collection Plan for May 27 2023

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: 14:50 UTC/ 09:50 L

Flyority 2

Collection Area: McDiffett Creek (MCDI) *If green conditions exist

Flight Plan Name: D06_MCDI_C1_P2_v3_Q780

On-Station Time: 14:50 UTC/ 09:50 L

Crew: John (lidar), Mike (NIS)