

Payload 3 Daily Flight Report



Date: 2024-06-06

Flight Campaign ID: P3C1

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

Aircraft: N821AR

Domain: 06 (Prairie Peninsula)

Sites Flown: UKFS (University of Kansas Field Station)

Days left in Domain: 12

Report Author: Mike

Lidar Operators: Mike **Flight Hours**: 03:05

Spectrometer Operators: Mitch Hours until maintenance: 44.38

Pilots: Justin, Jacob **GPS Instruments**: 07 - FBO_KFOE, AOP_UKFS

Summary

A band of thunderstorms and rain passed through NE Kansas this morning. However, the forecast called for clearing in the afternoon. This came true and we were able to survey the full UKFS site in "green" after waiting for clouds to clear around 2pm.

Concerns

None

Comments

The last line and the cross-strip were collected a few minutes past the 40 degree solar angle.

Daily Coverage

Estimated Cloud Cover Key

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

Solar Angle Less Than 40 degrees

Line #

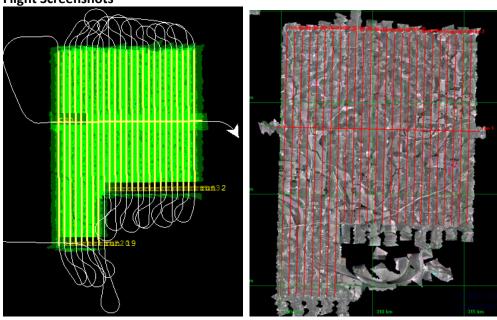
D06|UKFS

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



Pictures



The Kansas River flowing through Lawrence, KS.

Cumulative Domain Coverage

D06 KONZ KONA (Konza Prairie Biological Station and Relocatable Agricultural Site)

																20	21	22	23
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38					

Flown: 100% (35/35) Green: 100% (35/35) Yellow: 0% (0/35) Red: 0% (0/35)

D06 | MCDI (McDiffett Creek)

boo web (webmett creek)																		
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Flown: 0% (0/19) Green: 0% (0/19) Yellow: 0% (0/19) Red: 0% (0/19)

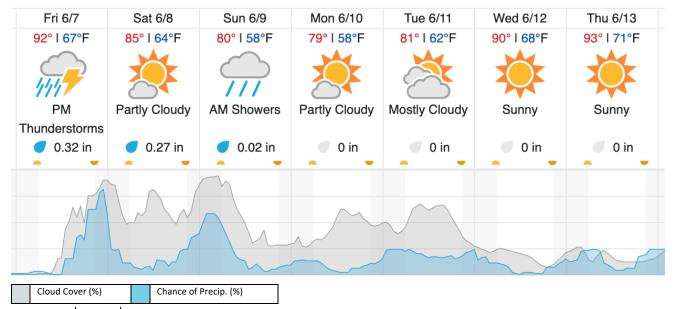
D06 UKFS (University of Kansas Field Station)

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 (MCDI)



source: wunderground.com

Flight Collection Plan for June 7 2024

Flyority 1

Collection Area: McDiffett Creek (MCDI)
Flight Plan Name: D06_MCDI_C1_P2_v3_Q780

On-station Time: 1450 UTC / 0950 L

Flight Crew: Mitch (Lidar), Mike (NIS)