



July 15, 2019 Payload 1 Daily Flight Report



Date: 2019-07-15

Flight Campaign ID: 2019_P1C1

Airport, FBO ID, City: Forbes Field, KFOE, Topeka, Kansas

Domain: 06

Sites Flown: KONZ, KONA

Days left in Domain: 2

Report Author: Abe Morrison

Flight Crew: Abe Morrison, John Adler

Ground/GPS: N/A

Pilots: Chad Evans, David Little

Additional Personnel:

GPS Instruments: GPS-5 (GFBO), U-KSU1

Flight Hours: 1:38

Hours until maintenance: 103.13

Summary

The crew was greeted at the airport this morning with quickly developing low cumulus clouds. However, as they do, the crew pressed on with a flight and found the cloud cover dissipated and was clear over the collection area as the sun angle time came up. They were able to “Green Up” 2 lines (lines 31 & 32) before the low cumulus started building. 4 more line were collected under “yellow” conditions (lines 16-19) before the clouds made it impossible to collect any further.

Concerns

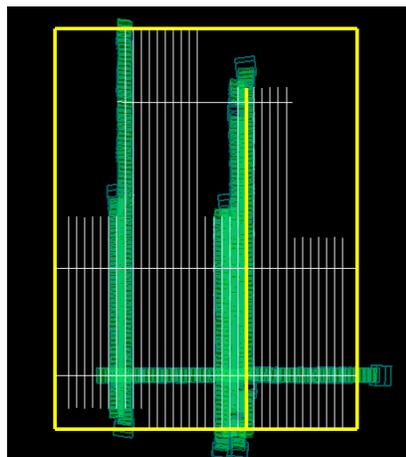
None

Comments

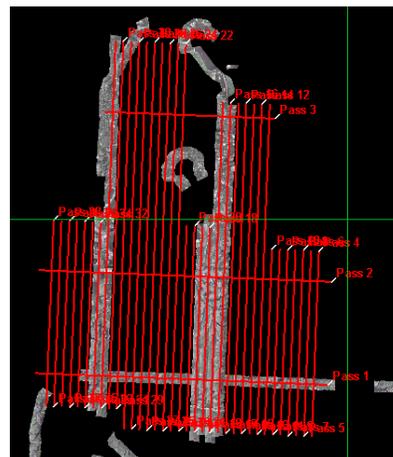
- Mitch Haynes arrives today to replace Abe Morrison who will depart tomorrow morning.

Flight Screenshots

Lidar



NIS



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: 52% (19/38)

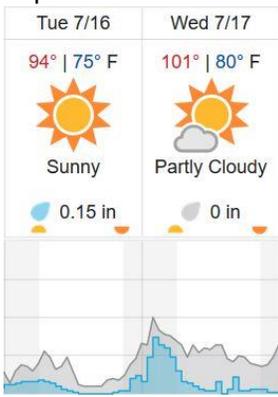
Green: 52% (19/38)

Yellow: 0% (0/38)

Red: 0% (0/38)

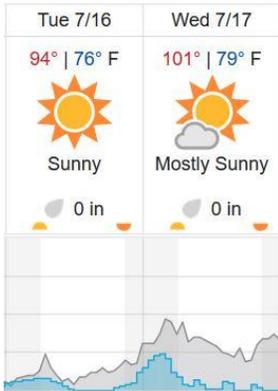
Weather

Topeka KS



Legend: Cloud Cover (%) (grey), Chance of Precip. (%) (blue)

Manhattan KS



Legend: Cloud Cover (%) (grey), Chance of Precip. (%) (blue)

Flight Collection Plan for 16 July 2019

Flyority 1

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

Flight Plan Name: D06_KONZ_KONA_C1_P1_v3

On-station Time: 1450 – 2210Z / 9:50-5:10 L

Crew: John Adler (lidar), Mitch Haynes (NIS)