



## July 12, 2019 Payload 1 Daily Flight Report



**Date:** 2019-07-12

**Flight Campaign ID:** 2019\_P1C1

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

**Domain:** 06

**Sites Flown:** None

**Days left in Domain:** 5

**Report Author:** Nick Marusich

**Flight Crew:** Nick Marusich, Abe Morrison

**Ground/GPS:** N/A

**Pilots:** Chad Evans, David Little

**Additional Personnel:**

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

**Flight Hours:** 3.6

**Hours until maintenance:** 105.7

### **Summary**

The first day of D6 collections started with clear skies. A full flight was flown at KONA\_KONZ capturing the airshed and most of the TOS boundaries under green conditions. High stratus clouds rolling prevented a second flight.

### **Concerns**

- Issues with waveform extraction appear to be resolved. Extraction backlog is completed.
- Docgen.exe does not generate daily reports.
- The camera software failed to auto start during the flight. Manual start/stop was selected for the remainder of the flight.
- A lack of overlap appeared on the Lidar Planned View between lines 31 and 32. No lidar faults were noted. NIS coverage did not look degraded.

### **Comments**

- RAID P1C1\_01 was shipped.

Pictures



Abe and David cleaning off Kansas from the transit.



KONZ tower.

## 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		

Flow: 52% (19/38)

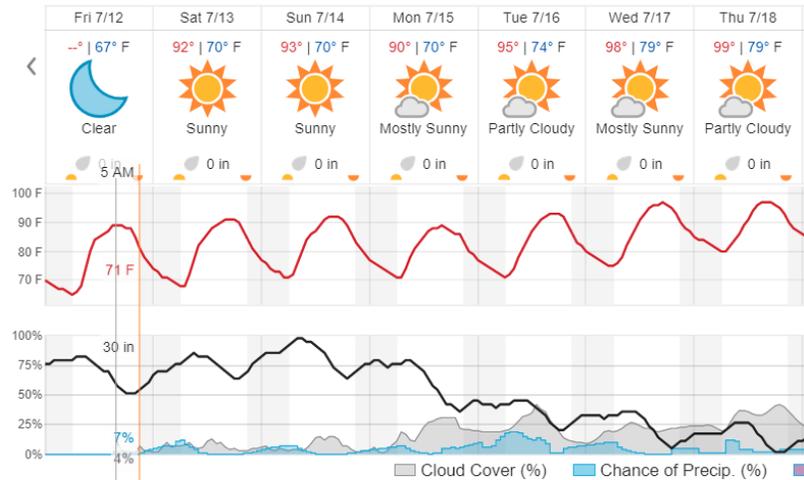
Green: 52% (19/38)

Yellow: 0% (0/38)

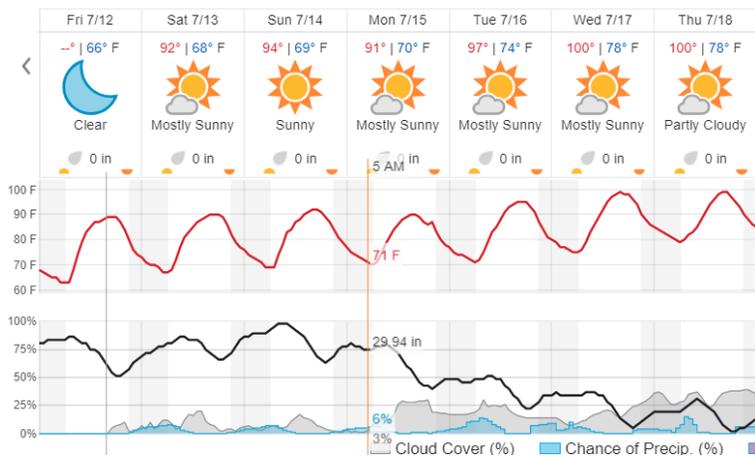
Red: 0% (0/38)

## Weather

### Topeka KS



### Manhattan KS



## Flight Collection Plan for 13 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: Abe Morrison (lidar), Nick Marusich (NIS)