April 25, 2018 Payload 3 Daily Flight Report

Date: 2018-04-25
Flight Campaign ID: 2018_P3C1
Airport, FBO ID, City: Wichita Falls Municipal Airport (KSPS) - Wichita Falls, TX

Domain: 11
Sites Flown: None
Days left in Domain: 0

Report Author: Mitch Haynes
Flight Crew: Mitch Haynes, Ivana Vu
Ground/GPS: Michael Wussow
Pilots: Paul Muth, Ross Rice
Additional Personnel: None
GPS Instruments: None

Flight Hours: 00:00
Hours until maintenance: 60.30

Summary
Scheduled no fly day. Final packing preparations were made for transit from D11 to D08. Flight crew was able to successfully disconnect camera, alter camera configuration settings, and simulate a test collect in the hangar without camera firing. Plan is to attempt a test flight tomorrow morning prior to the transit to ensure the system operates nominally without the camera.

Concerns

- QAQC and extraction emails are not being sent from the hotel kit.

Comments

- D11 FBO (KSPS) GPS taken down
- Abe Morrison began GPS deployments in D08
- Finished extraction from yesterday's second flight late tonight. Hotel Kit room in Wichita Falls has been packed up. Since QAQC emails are not being sent, data processors should look to view QAQC once the hotel kit is set up in Tuscaloosa.
- Robb Walker will travel to D08 tomorrow in preparation of the Otter's arrival.

Final Cumulative Domain 11 Coverage

CLBJ

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											

Flown: 100% (29/29)
Green: 100% (29/29)
Yellow: 14% (4/29)
Red: 62% (18/29)

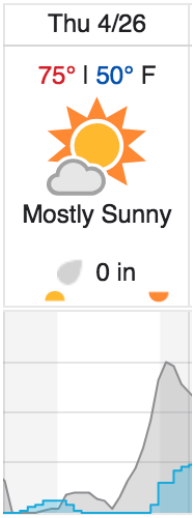
OAES

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				

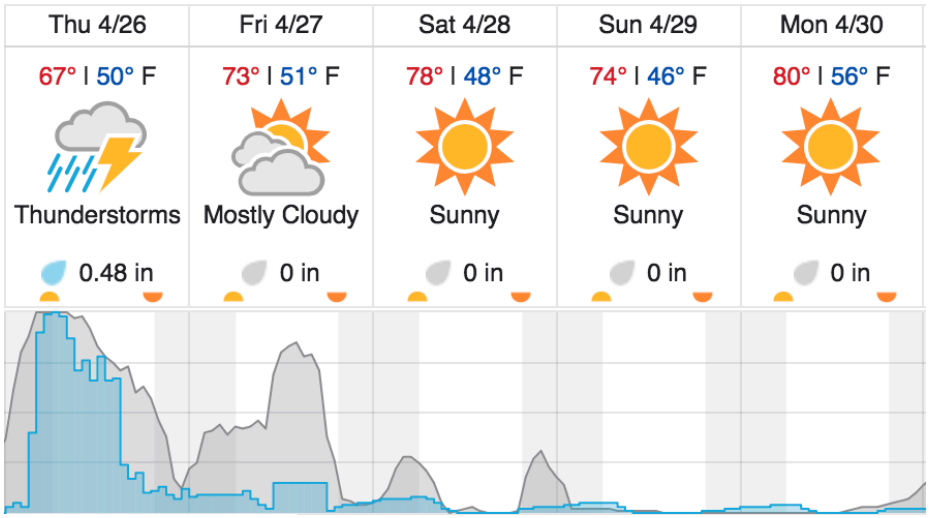
Flown: 100% (36/36)
Green: 78% (28/36)
Yellow: 0% (0/36)
Red: 50% (18/36)

Weather Forecast

Wichita Falls, TX



Tuscaloosa, AL



Flight Collection Plan for 26 April 2018

1. Test Collect over CLBJ without Camera
   Crew: Ivana Vu, Mitch Haynes
2. Aircraft transits to D08 (Tuscaloosa, AL)
   Crew: Ivana Vu

On-Going Issues

Fault: Database	**Ticket**: INC0013090	**Open Date**: 4/2/2018
Database crash during flight. Sometimes to both operators simultaneously, but also to both NIS and Lidar operator individually. This has been a re-occuring issue, but is only being added now. 20180404 Database no longer crashes when minimizing and maximizing. 20180410 Database experienced same network connection issues and crashed several times during both flights. Lidar Crystal Computer VNC was open on the DCC for training purposes. 20180418 Database crashed in-flight, 2 times on NIS DCC computer and 3 times on Lidar Crystal computer. 20180419 Database crashed on Lidar Crystal computer once on the ground during system startup and once in-flight on the NIS DCC computer. Andrew is investigating whether this is due to a networking issue. 20180423 Database crashed on Lidar Crystal computer 4 times in-flight 2018042413 Database crashed once on Lidar Crystal computer in-flight		
Fault: Camera	**Open Date**: 4/10/2018	
20180410 Camera thumbnails on SnapSHOT appear corrupted. 20180423 All camera photos from both flights appearred corrupted. 2018042413 For majority of flight, first 2-4 images taken on each line appeared corrupted before improving or "correcting" itself. 2018042419 All camera photos appeared corrupted.		
Fault: Camera	**Open Date**: 4/24/2018	
Camera lost connection during middle of collect. MIDAS Controller thumbnail status bar turned from green to red and camera remained unfunctional until cables were reseated. Errors on Tracker software: "ALL CAMERA'S FAILED CONNECTING" and "CAM1: Camera Error Cam-B		
Fault: HotelKit	**Open Date**: 4/24/2018	

No Extraction completion or QAQC completion emails are being sent out from Hotel Kit when it is known to have internet

Resolved Issues (Today)

Fault: HotelKit	**Open Date**: 4/23/2018	**Close Date**: 4/25/2018
MIDAS1/Camera extraction failed on 2018042314 on two attempts due to error: AOP-3 Backup Data Failed! Traceback (most recent call last): File "C:\Anaconda3\lib\distutils\file_util.py", line 35, in _copy_file_contents os.unlink(dst) PermissionError: [WinError 32] The process cannot access the file because it is being used by another process: 'G:\\2018042314_P3C1\\L0\\Camera\\MIDAS-Campaign_2018_P3C1_D11-D11_CLBJ_C1_P1_v3_Q780-1804231616\\Camera1-Cam1\\RUN10\\0000211-001303-042318155602-Cam1.IIQ'".. It appears that the code was trying to transfer or delete the file "0000211-001303-042318155602-Cam1.IIQ" referenced above and found in the file path above, but was getting hung up on this. It was trying to do this on th G: Pony Express drive which is odd. Fernando had not seen this before and was able to locate and open the file, which made it more confusing. In an effort to side step this file and get extraction to run successfully, M Wussow, tried changing the filename from "02-Cam1.IIQ" to 03-Cam1.IIQ." on the MIDAS1 disk in the location specified in the automated error above. The extraction and QAQC ran to completion after this change was made. There may have been some downstream effects on the data as a result of this change, but this is unknown at the time.		
Fault: Telemetry	**Open Date**: 4/20/2018	**Close Date**: 4/25/2018
Unable to connect to Telemetry laptop via Chrome Remote Desktop even though laptop has internet access, Verizon cell coverage inside hangar is good and all other Telemetry readings/notifcations are working. Error message when trying to remote in: "Unable to reach the host. This is probably due to the configuration of the network you are using". 20180422 Able to connect to Telemetry laptop via Chrome Remote Deskptop, however, there was a significant lag and connection was lost twice, both times within several minutes of connecting. 20180423 Poor cell coverage inside D11 hangar appears to be cause of remote connection issues. Connection functions properly when aircraft is outside of hangar and/or when hangar doors are open.		