



July 16, 2018 Payload 3 Daily Flight Report



Date: 2018-07-16

Flight Campaign ID: 2018_P3C1

Airport, FBO ID, City: Portland-Hillsborough Airport (KHIO) - Hillsboro, OR

Domain: 16

Sites Flown: MCRA (McRae Creek), ABBY (Abby Road), WREF_P1 (Wind River Experimental Forest Priority 1)

Days left in Domain: 9

Report Author: Abe Morrison

Flight Crew: Abe Morrison, Cameron Chapman, Heather Rogers

Ground/GPS: None

Pilots: Gina Moore, Grant Frost

Additional Personnel:

GPS Instruments: 08 - FBO_KHIO, 09 - WREF, 10 – ABBY, U-P385

Flight Hours: 02:09, 02:50

Hours until maintenance: 40.93

Summary

The crew made 2 flights today. The First was to the McRae Creek site where they completed all 9 lines under green sky conditions. The second flight of the day was back to the Abby Road site to finish the remaining 6 lines, which were also under green sky conditions. During the second flight, after finishing ABBY, the crew continued on to the WREF site to collect the impromptu nominal forest line that was requested.

Concerns

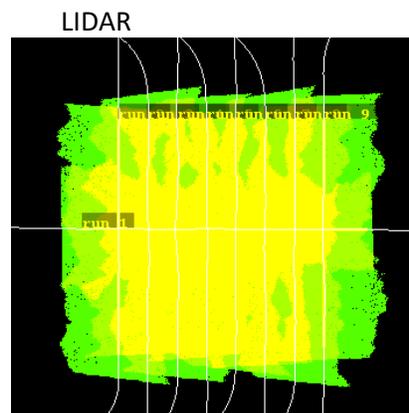
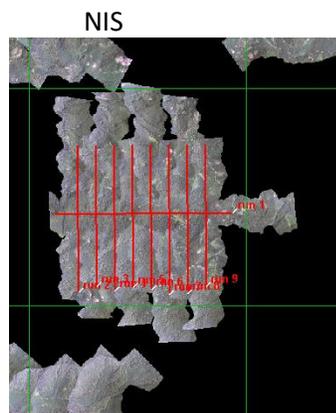
none

Comments

The crew flew 20 lines today finishing collections in D16 with all lines in green sky conditions. Now waiting for the "All Clear" from HQ that all collections have passed QC.

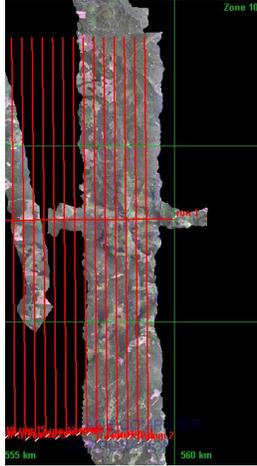
Flight Screenshots

MCRA

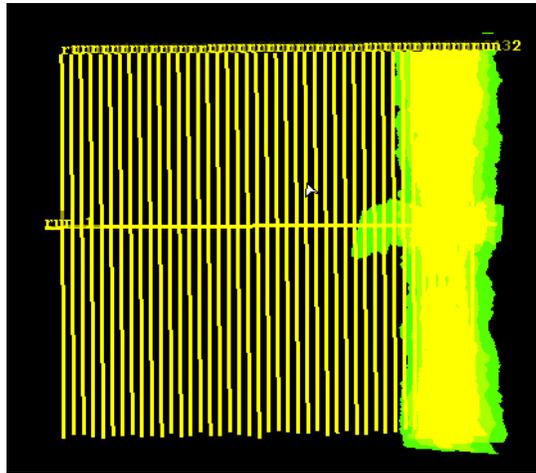


ABBY

NIS

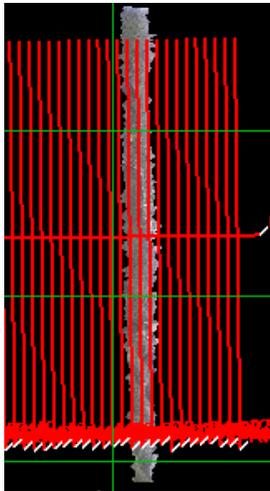


LIDAR

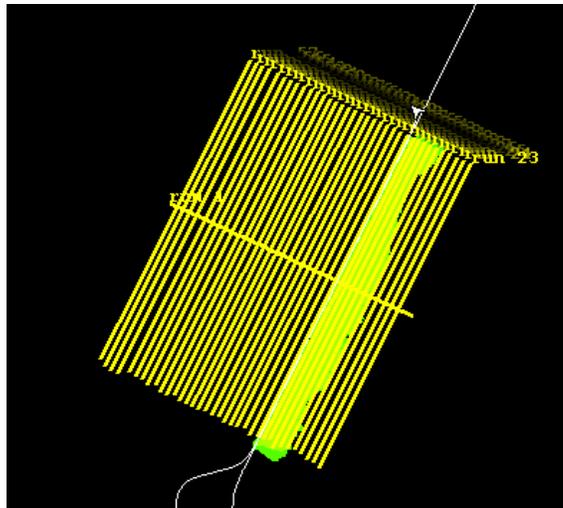


WREF

NIS



LIDAR



Daily Coverage

| D16 MCRA | Line | SpecG | SpecY | SpecR | NIS | Lidar | Camera | Cumulative |
|----------|------|-------|-------|-------|-----|-------|--------|------------|
| | 1 | | | | ✓ | ✓ | ✓ | NLC |
| | 2 | | | | ✓ | ✓ | ✓ | NLC |
| | 3 | | | | ✓ | ✓ | ✓ | NLC |
| | 4 | | | | ✓ | ✓ | ✓ | NLC |
| | 5 | | | | ✓ | ✓ | ✓ | NLC |
| | 6 | | | | ✓ | ✓ | ✓ | NLC |
| | 7 | | | | ✓ | ✓ | ✓ | NLC |
| | 8 | | | | ✓ | ✓ | ✓ | NLC |
| | 9 | | | | ✓ | ✓ | ✓ | NLC |
| Flown: | 9 | | | | | | | |

| D16 ABBY | Line | SpecG | SpecY | SpecR | NIS | Lidar | Camera | Cumulative |
|-------------|------|-------|-------|-------|-----|-------|--------|------------|
| | 1 | | | | ✓ | ✓ | ✓ | NLC |
| | 2 | | | | ✓ | ✓ | ✓ | NLC |
| | 3 | | | | ✓ | ✓ | ✓ | NLC |
| | 4 | | | | ✓ | ✓ | ✓ | NLC |
| | 5 | | | | ✓ | ✓ | ✓ | NLC |
| | 6 | | | | ✓ | ✓ | ✓ | NLC |
| | 7 | | | | ✓ | ✓ | ✓ | NLC |
| Flown: | 7 | | | | | | | |
| D16 WREF_P1 | Line | SpecG | SpecY | SpecR | NIS | Lidar | Camera | Cumulative |
| | 33 | | | | ✓ | ✓ | ✓ | NLC |
| Flown: | 1 | | | | | | | |

Cumulative Domain Coverage

ABBY

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 | 39 | 40 |
| 41 | 42 | 43 | 44 | | | | | | | | | | | | | | | | |

Flown: 100% (44/44)

Green: 107% (47/44)

Yellow: 0% (0/44)

Red: 0% (0/44)

WREF_P1

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | | | |

Flown: 100% (57/57)

Green: 105% (60/57)

Yellow: 7% (4/57)

Red: 0% (0/57)

WREF_P2

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| 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 | | | | | | | | | | | | | | | |

Flown: 100% (25/25)

Green: 100% (25/25)

Yellow: 0% (0/25)

Red: 0% (0/25)

MCRA

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|

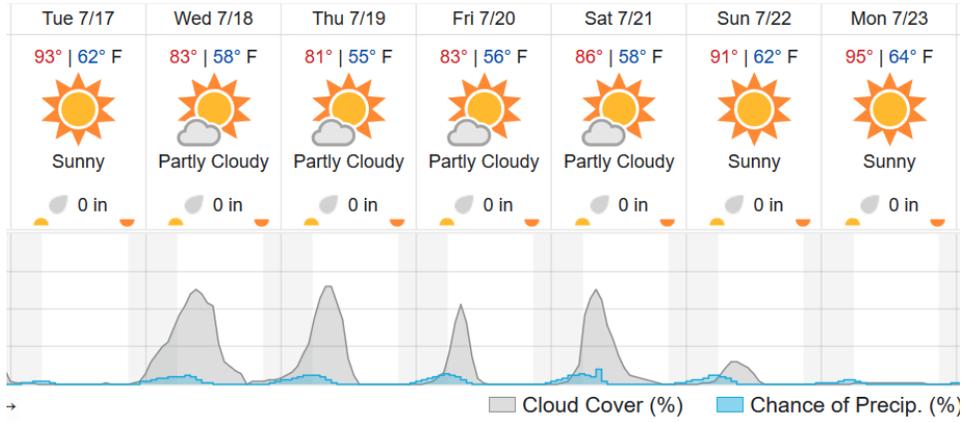
Flown: 100% (9/9)

Green: 100% (9/9)

Yellow: 0% (0/9)

Red: 0% (0/9)

Weather Forecast



Flight Collection Plan for 17 July 2018

No Flights planned. Waiting for the "All Clear" from HQ that all collections have passed QC.