NOAA / ATDD Field Notes for IOP 1 (8-12 July 2019)

Site: SW2 (45.940 N, 90.318 W)

Pilot in command: Ed Dumas, Nicole Chappelle

Observers: Temple Lee, Michael Buban

Flight operations:

* DJI S-1000, outfitted with two iMet-XQ sensors to measure temperature, humidity, and pressure, downward-pointing GoPro camera and IR camera, flown in box-like pattern at 100 m AGL on 8 Jul and 200 m AGL on 9-12 Jul. Horizontal legs ~200 m x 200 m for flights on 8 Jul and ~ 400 x 400 m on 9-12 Jul

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| --- | --- | --- | --- | --- |
| Date | Flight No. | Flight Start Time(UTC) | Flight End Time(UTC) | Flight Notes |
| 11 Jul 2019 | 1 | 2104 | 2117 |  |
| 11 Jul 2019 | 2 | 2134 | 2146 |  |
| 11 Jul 2019 | 3 | 2159 | 2205 | No LST Data |
| 11 Jul 2019 | 4 | 2218 | 2230 |  |
| 12 Jul 2019 | 1 | 1504 | 1518 |  |
| 12 Jul 2019 | 2 | 1529 | 1542 |  |
| 12 Jul 2019 | 3 | 1553 | 1606 |  |
| 12 Jul 2019 | 4 | 1614 | 1628 |  |

NOAA / ATDD Field Notes for IOP 2, Part 1 (18-21 July 2019)

Site: WLEF tall tower (45.945 N, -90.273 W)

Pilots: Ed Dumas, Nicole Chappelle

Observers: Temple Lee, Michael Buban

Flight operations: 30 m AGL hover ~ 200 m north of WLEF

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| Date | Flight No. | Flight Start Time(UTC) | Flight EndTime(UTC) | Flight Notes |
| 19 Aug 2019 | 1 | 1701 | 1719 |  |
| 19 Aug 2019 | 2 | 2104 | 2118 |  |
| 19 Aug 2019 | 3 | 2223 | 2238 | No LST Data |
| 21 Aug 2019 | 1 | 1411 | 1427 |  |
| 21 Aug 2019 | 2 | 1558 | 1613 |  |
| 21 Aug 2019 | 3 | 1712 | 1730 |  |
| 21 Aug 2019 | 4 | 1902 | 1919 |  |
| 21 Aug 2019 | 5 | 2042 | 2059 |  |