**Dropwindsonde Scientist Log**

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| **Storm:** |  | **Flight ID:** |  | **Mission ID:** |  | **Takeoff:** |  | **Landing:** |  |

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| **Dropsonde Scientist(s):** |  | **AVAPS Operator:** |  |

**Pre-flight**

✓ Discuss the pattern with the Lead Project Scientist (LPS) and ensure that enough dropsondes are onboard.

✓ Complete the appropriate pre-flight set-up of your workstation and ASPEN (see [Dropsonde Processing Guide](https://docs.google.com/document/d/1-Ks4ahJ43NixJO94ypp366rvf3GG1YIC/edit?usp=sharing&ouid=106549196843040809882&rtpof=true&sd=true)).

**In-flight**

✓ Ensure the Flight Director is aware of upcoming drops and whether a backup is requested in case of failure.

✓ Ensure the AVAPS operator has determined that the dropsonde is (or is not) transmitting a good signal.

✓ Prioritize processing of center drops and report MSLP and surface wind speed and direction to the Flight Director.

✓ Fill in the Dropwindsonde Scientist log as drops are released and processed.

✓ Copy completed ASPEN files (e.g., FRD, netCDF, Skew-t, WMO txt, BUFR) into the “FRD” folder on the workstation desktop for automated transmission to the ground for archival.

**Once “science is complete”...**

✓ Make synoptic map plots in ASPEN and copy them to the “FRD” folder on the workstation desktop for automated transmission to the ground for archival.

✓ Ensure ASPEN files have been sent to the ground by locating and verifying all files in the “FLIGHTID” folder within the “FRD” folder on the workstation desktop.

✓ Archive ASPEN\_DATA and RAW\_DATA into a folder named with the FLIGHTID within the “Season Dropsonde Archive” folder on the workstation desktop, and upload the same directories into StormName/FLIGHTID/Dropsonde/ folder on Drive.

✓ Download this Dropwindsonde Scientist Log as “PDF” and upload completed PDF and Google Doc to the StormName/FLIGHTID/Dropsonde/ folder within the “Mission Reports” directory in the HFP Google Drive.

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| **Drop**  **#** | **Sonde ID** | **Time**  **UTC** | **Lat**  **(°N/S)** | **Lon**  **(°E/W)** | **Sfc Pressure**  **(mb)** | **Lowest Wind**  **Direction/Speed**  **(deg/kt)** | **Lowest Wind**  **Height**  **(m)** | **AXBT SST (°C)** | **Eye, Eyewall,**  **Rainband, etc.** | **Ob**  **#** |
| 1 | 211040860 | 213048 | 22.8248 | -64.9294 | 1006.6 | 21022 | 10 |  |  | 1 |
| Comments: late launch detect (removed first 398 s of data), removed post-splash data, possible 28.1 SST | | | | | | | | | | |
| 2 | 214140731 | 214204 | 23.5072 | -65.3517 | 1001.8 | 21546 | 10 |  |  |  |
| Comments: late launch detect (removed first 1075.75 s of data) | | | | | | | | | | |
|  |  |  |  |  |  |  |  | 28.60 |  |  |
| Comments: center | | | | | | | | | | |
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| Comments: center replacement | | | | | | | | | | |
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| Comments: RMW1 | | | | | | | | | | |
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| Comments: RMW2 | | | | | | | | | | |
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| Comments: RMW3 | | | | | | | | | | |
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