

Dropwindsonde Scientist Log

Storm:	AL09 / TD09	Flight ID:	20220923H1	Mission ID:	WXWXA	Takeoff:	1211Z	Landing:	1553Z
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Dropsonde Scientist(s):	J. Zhang	AVAPS Operator:	Dykeman
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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](#)).

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.

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	212710536	141328	19.46	-74.18	1014.1	32503	10			01
Comments: NHC drop 1 - every 45 nm planned										
2	212430910	143142	17.96	-73.25	1012.1	08504	10			02
Comments:										
3	212430890	143952	17.29	-72.85	1012.4	06511	10			03
Comments:										
4	213550721	144817	16.64	-72.45	1012.7	03515	10			04
Comments:										
5	212640879	145631	16.04	-71.97	1011.8	02513	10			05
Comments:										
6	212750191	150607	15.40	-71.36	1010.2	04526	10			06
Comments:										
7		150016								
Comments: Bad sonde - early launch detected										
8										
Comments:										
9										
Comments:										
10										
Comments:										