

Dropwindsonde Scientist Log

Storm:	AL91	Flight ID:	20220901H1	Mission ID:	WGWSA	Takeoff:	0732Z	Landing:	1454Z
---------------	------	-------------------	------------	--------------------	-------	-----------------	-------	-----------------	-------

Dropsonde Scientist(s):	J. Zhang	AVAPS Operator:	Dykeman
--------------------------------	----------	------------------------	---------

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.

Storm: AL91**Flight ID:** 20220901H1**Mission ID:** WGWXA**Page** 1 of 2

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	221210018	085750	15.63 N	52.77 W	1007.9	08018	10			01
Comments: IP EndPt-SW Combo										
2	221150517	090546	16.07 N	52.39 W	1007.4	08516	10			02
Comments: MidPt-SW										
3	220840710	091318	16.49 N	52.03 W	1007.1	11414	15			03
Comments: center sonde late lunch detected										
4	221240719	092731	17.44 N	51.59 W	1007.4	10732	20			04
Comments: MidPt-NE late launch detected										
5	221240724	094548	18.61 N	51.07 W	1009.1	10523	10			05
Comments: EndPt-NE BT										
6	221220213	101054	18.16 N	52.91 W	1009.4	26831	10	28.0		06
Comments: EndPT-NW BT										
7	221240284	102356	17.36 N	52.54 W	1009.5	06514	10			07
Comments: MidPt-NW										
8	221240277	103731	16.54 N	52.11 W	1008.8	05521	10			08
Comments:2nd center										
9	221210177	105107	15.73 N	51.63 W	1007.5	04304	10			09
Comments: MidPt-SE late launch detected										
10	221240713	110248	15.04 N	51.20 W	1009.8	18514	10			10
Comments: EndPt-SE BT no SST; late launch detected										

