Dropwindsonde Scientist Log

Storm:	AL15 / LISA	**Flight ID:**	2022103I1	**Mission ID:**	0615A	**Takeoff:**	0824Z	**Landing:**	1515Z

Dropsonde Scientist(s):	J. Zhang	**AVAPS Operator:**	Wernecke

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	0439	102241	17.47	-75.20	1008.3	10017	10			01
Comments: IP of NE – SW Pass										
2	0481	103448	16.76	-75.74	1006.8	11020	10			02
Comments: NE Mid PT										
3	0911	104942	15.76	-76.09	1004.6	13025	10			03
Comments: Center										
4	0574	110304	14.84	-76.01	1006.3	18008	10			04
Comments: SW Mid PT										
5	0079	111433	14.05	-76.02	1005.3	01002	10			05
Comments: SW End PT										
6	0929	113720	14.92	-74.87	1008.1	14021	10			06
Comments: SE – NW Pass - SE End PT-IP										
7	0332	11486	15.32	-75.56	1007.6	14029	10			07
Comments: SE Mid PT										
8	1062	120039	15.75	-76.37	1005.5	13524	10			08
Comments: Center										
9	0576	121207	16.18	-77.16	1006.6	05522	10			09
Comments: NW Mid PT										
10	0316	122212	16.58	-77.87	1007.3	04524	10			10
Comments: NW End PT										

Storm: AL15 / LISA **Flight ID:** 20221031I1 **Mission ID:** 0615A

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 #
11	0263	123702	15.76	-78.26	1007.7	01519	10			11
Comments: W-E Pass, W End PT and IP of W-E										
12	1114	124815	15.77	-77.41	1006.1	00523	10			12
Comments: W Mid PT										
13	0334	130300	15.77	-76.35	1006.8	13526	10			13
Comments: Center 3										
14	0292	131356	15.81	-75.58	1009.1	13026	10			14
Comments: E Mid PT										
15	0509	132638	15.82	-74.69	1010.2	12025	10			15
Comments: E End PT - Last report										