

## Dropwindsonde Scientist Log

<b>Storm:</b>	AL15 / LISA	<b>Flight ID:</b>	20221102I1	<b>Mission ID:</b>	1415A	<b>Takeoff:</b>	0745Z	<b>Landing:</b>	1733Z
---------------	-------------	-------------------	------------	--------------------	-------	-----------------	-------	-----------------	-------

<b>Dropsonde Scientist(s):</b>	J. Zhang	<b>AVAPS Operator:</b>	Warnecke
--------------------------------	----------	------------------------	----------

### 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	211450099	112617	18.53	-85.51	1013	110-25	10		IP NE	01
Comments: NE-SW pass, inbound on 105 nmi radial										
2	211450097	113714	17.85	-85.93	1011	105-27	10		MP-NE	02
Comments:										
3	NA	114813	NA	NA	NA	NA	NA		RMW1-NE	NA
Comments: No TH, good otherwise										
4	213740252	115042	17.11	-86.46	998	125-71	10		RMW2-NE	03
Comments:										
5	204830094	115438	17.10	-86.71	992	325-07	10		CENTER	04
Comments: 227.25 enddrop										
6	NA	120217	NA	NA	NA	NA	NA		RMW-SW	NA
Comments: No TH, good otherwise										
7	213740795	120713	16.59	-86.84	1009	290-15	10		MP-SW	06
Comments: 276.25 enddrop										
8	204950789	121201	16.29	-87.01	1011	225-29	10		EP-SW	07
Comments:										
9	221450602	122213	16.26	-86.39	1011	230-28	10		IP-SE	08
Comments:										
10	213740555	122839	16.73	-86.52	1008	200-30	10		MP-SE	09
Comments:										

Storm: AL15 / LISA

Flight ID: 2022110211

Mission ID: 1415A

Page 2 of 3

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	214110676	123512	17.16	-86.77	993	130-36	10		RMW-SE	10
Comments:										
12	NA	1236	NA	NA	NA	NA	NA		CENTER 2ND	NA
Comments: No data										
13	210820304	123750	17.34	-86.88	998	010-61	10		RMW-NW	11
Comments:										
14	210810064	124452	17.78	-87.14	1011	060-35	10		MD-NW	12
Comments:										
15	210240295	125337	18.32	-87.47	1013	035-22	10		ED-NW	13
Comments:										
16	213550958	131600	17.11	-87.94	1012	310-24	10		IP-W	14
Comments: Starting W-E pass										
17	210240294	132250	17.13	-87.48	1010	005-30	10		MP-W bad	NA
Comments: No RH - not sent										
18	210511033	132328	17.13	-87.43	1008	350-29	10		MP-W backup1	15
Comments:										
19	210520211	132404	17.12	-87.39	1009	345-30	10		MP-W backup2	16
Comments:										
20	213740178	132836	17.13	-87.06	994	315-32	10		RMW-W	17
Comments: 276.75 endrop										

Storm: AL15 / LISA

Flight ID: 20221102I1

Mission ID: 1415A

Page 3 of 3

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 #
21	213810947	133012	17.20	-86.98	993	095-29	10		Center3	18
Comments:										
22	213740251	133358	17.21	-86.72	1003	135-57	10		RMW-E	19
Comments:										
23	213740570	134221	17.20	-86.16	1012	160-26	10		MP-E	20
Comments:										
24	21024940	135540	17.20	-85.27	1013	125-16	10		EP-E	21
Comments: LAST REPORT, but then corrected to remove LAST for VDM										
Comments:										
Comments:										
Comments:										
Comments:										
Comments:										