

## Dropwindsonde Scientist Log

<b>Storm:</b>	AL09 / IAN	<b>Flight ID:</b>	20220927I1	<b>Mission ID:</b>	2509A	<b>Takeoff:</b>	2045Z	<b>Landing:</b>	2318Z
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<b>Dropsonde Scientist(s):</b>	Hazelton	<b>AVAPS Operator:</b>	Warnecke
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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	213810855	2134	25.70	84.14	1004.0	045/41	10	28.5	-	01
Comments: Endpoint NW, looked like some LL dry air										
2	210820303	2147	24.90	83.64	995.7	015/42	10	-	-	02
Comments: Midpoint NW										
3	213320968	2155	24.45	83.34	978.1	025/69	10	-	-	03
Comments: Outer wind max NW										
4	213810938	215656	24.39	83.31	973.8	020/65	10	-	-	06
Comments: NW Moat										
5	213810058	2159	24.26	83.23	957	040/67	10	-	Eyewall NW	04
Comments: RMW NW										
6	213740171	2201	24.15	83.11	949.4	155/18	10	-	Center	05
Comments: Center										
7	213320921	2204	23.99	83.01	962.7	170/81	12	-	Eyewall SE	07
Comments: Eyewall SE										
8	210240404	2205	23.94	82.97	968.6	175/51	12	-	-	08
Comments: Moat SE										
9	210920265	2207	22.82	82.91	977.5	-	13	-	-	10
Comments: Max Wind SE										
10	210350032	2214	23.43	82.69	993.0	195/45	10	-	-	11
Comments: Mid SE, BT also dropped after (never got SST)										