Dropwindsonde Scientist Log

Storm:	AL09 / IAN	**Flight ID:**	20220926I1	**Mission ID:**	1709A	**Takeoff:**	1948Z	**Landing:**	0120Z

Dropsonde Scientist(s):	Hazelton	**AVAPS Operator:**	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	213320984	2142	21.53	84.20	1001.0	045/31	10	-	-	01
Comments: Post Splash Data Removed, end NW										
2	210240936	2152	20.98	83.76	995.2	020/37	10	-	-	02
Comments: Mid NW										
3	213451287	2203	20.34	83.28	966.8	280/14	10	-	Center	03
Comments: Post Splash Data Removed, Center										
4	213320975	2205	20.34	83.17	969.8	135/39	10	-	-	04
Comments: “RMW” SE										
5	210240931	220841	20.17	83.05	983.7	200/65	10	-	RMW SE	05
Comments: RMW SE, nice updraft										
6	213321002	2208	20.15	83.05	983.3	185/75	10	-	RMW SE	06
Comments: RMW SE										
7	213741152	2217	19.70	82.76	998.5	205/41	10	-	-	07
Comments: Mid SE										
8	210630149	2231	18.91	82.26	1004.6	210/26	12	-	-	08
Comments: End SE										
9	210731116	2254	20.45	81.44	1003.9	155/30	10	-	-	10
Comments: End E, BT drop too, Post Splash Data										
10	211440423	2310	20.56	82.47	997.0	160/36	10	-	-	11
Comments: Mid E										

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	210240942	2317	20.64	82.95	982.0	150/63	10	-	Eyewall E	12
Comments: RMW E										
12	210930157	2318	20.65	83.60	980.5	155/53	10	-	-	14
Comments: RMW E										
13	213740793	2319	20.67	83.11	976.1	160/46	10	-	-	15
Comments: RMW E										
14	213320920	2322	20.68	83.34	967.1	245/17	10	-	Center	13
Comments: Center										
15	213320947	2324	20.68	83.42	972.0	315/39	10	-	-	16
Comments: RMW W										
16	213740169	2325	20.68	83.49	975.8	335/46	10	-	-	17
Comments: RMW W										
17	213451289	2326	20.68	83.55	980.6	330/65	10	-	Eyewall W	18
Comments: RMW W										
Comments:										
Comments:										
Comments:										