Dropwindsonde Scientist Log

Storm:	AL09 / IAN	**Flight ID:**	20220925I1	**Mission ID:**	1109A	**Takeoff:**	1954Z	**Landing:**	0301Z

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	213430315	2205	17.98	81.78	1005.3	055/26	10	-	-	01
Comments: End NW, Post-splash data removed										
2	213320939	2219	17.18	81.23	1003.5	065/23	10	-	-	02
Comments: Mid NW, Post-splash data removed										
3	213430063	2231	16.71	80.54	993.2	350/35	10	-	Max Wind NW	03
Comments: Max wind NW										
4	213620513	2232	16.67	80.48	992.3	155/15	10	-	Center	04
Comments: Center										
5	213431455	2245	15.96	80.06	1003.0	185/23	10	-	-	05
Comments: Mid SE, Post-splash data removed										
6	213430263	2258	15.23	79.57	1005.4	210/19	12	-	-	07
Comments: End SE										
7	213620464	2324	16.87	78.96	1004.5	145/25	10	-	-	08
Comments: End E										
8	213430290	2335	16.78	79.77	1003.4	160.32	10	-	-	09
Comments: Mid E										
9		2342								
Comments: BAD SONDE, RMW E										
10	213430306	2343	16.84	80.40	1000.1	150/48	10	-	-	
Comments: Late launch, RMW E										

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11	212720420	2349	16.77	80.78	997.6	250/24	10	-	Center	11
Comments: Center, post splash data										
12	211030665	0000	16.84	81.54	1002.1	355/18	10	-	-	12
Comments: Mid W										
13	213570208	0008	16.87	82.12	1004.3	300/29	10	-	-	13
Comments: Late launch, ASPEN caught it, post splash data, end W										
14	213430309	0029	15.66	81.64	1004.8	320/11	10	-	-	15
Comments: End SW										
15	213550842	0040	16.37	81.20	1001.0	300/19	10	-	-	16
Comments: Post-splash, mid SW										
16	213740667	0052	17.09	81.11	992.0	285/27	10	-	-	17
Comments: Post-splash data, we missed the center to the S										
17	214141479	005507	17.18	80.93	995.7	-	-		Max Wind	18
Comments: No surface data										
18	213320977	005534	17.21	80.91	995.6	100/61	10	-	Max Wind	19
Comments: Max wind NE										
19	213320986	005609	17.25	80.89	997.7	110/50	12	-	RMW NE	20
Comments: Max wind NE										
20	213810937	010845	18.11	80.52	1004.4	085/29	10	-	-	21
Comments: Mid NE										

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21	213320998	0118	18.80	80.33	1006.4	075/31	10	-	-	22
Comments: End NE										
Comments:										
Comments:										
Comments:										
Comments:										
Comments:										
Comments:										
Comments:										
Comments:										
Comments:										