

Dropwindsonde Scientist Log

Storm:	AL06 / EARL	Flight ID:	2022090711	Mission ID:	1806A	Takeoff:	2024Z	Landing:	0437Z
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Dropsonde Scientist(s):	Aberson	AVAPS Operator:	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.

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	213740917	215446	25.0062	-64.5211	1003.8	22532	12			1
Comments:										
2	214140848	220828	25.9422	-65.0112	994.4	21045	10			2
Comments:										
3	214141495	222332	26.7640	-65.5509	970.8	14503	10	28.39	Center	3
Comments:										
4	211930788	222846	27.0959	-65.7651	979.7	02079	10		Eyewall NW	4
Comments:										
5	212011534	223336	27.3855	-65.9544	980.5	02572	12		Eyewall NW	5CCA
Comments: Very late launch detect launch detect, CCA, since previous sonde was sent twice.										
6	211821402	222959	27.1765	-65.8177	984.3	01075	10		Eyewall NW	6
Comments: lost wind data in middle										
7	211831331	223602	27.5234	-66.0448	996.4	03043	10			8
Comments:										
8	214110654	224831	28.2863	-66.5283	1003.0	02031	10	29.22		
Comments: post-splash data removed										
9	213740865	231554	26.8664	-67.3615	1001.9	35040	10			10
Comments:										
10	213740868	233220	26.8378	-66.1066		34067			Eyewall W	11
Comments: No PTH										

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11	213820074	233331	26.8312	-66.0174	983.2	32559	10		Eyewall W	12
Comments: 4-m/s downdraft										
12	211040805	233541	26.8206	-65.8501	976.8	32569	10		Eyewall W	13
Comments: partial fast fall, data removed before 117 s										
13	214140847	234001	26.8614	-65.5212	970.3	33505	10		Center	14
Comments: post-splash data removed										
14	213740875	234646	26.8878	-64.9836	977.3	14561	10		Eyewall E	15
Comments: 6-m/s downdraft										
15	211910513	234728	26.8890	-64.9297	978.3	15085	10		Eyewall E	16
Comments:										
16	213740893	234812	26.8900	-64.8715	980	13583	10		Eyewall E	1817
Comments: 4-m/s downdraft										
17	213740894	000330	26.9168	-63.7713	1001.6	06040	10			19
Comments:										
18	211930755	002919	28.3821	-64.7844	1002.4	08032	12	28.96		20
Comments: late wind, removed first 325 s										
19	213740872	003011	28.3294	-64.8121	1009.0	08540	12			21
Comments: replacement due to late wind										
20	213820059	004338	27.5098	-65.1967	983.8	08072	10		Eyewall NE	22
Comments: 7-m/s downdraft										

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21	212011209	004444	27.4473	-65.2304	982	08579	12		Eyewall NE	23
Comments: 5-m/s updraft and downdraft										
22	213810948	005226	26.9960	-65.4923	970.9	11005	12		Center	24
Comments:										
23	214130153	010832	26.7944	-65.9189	975.6	30083	12		Eyewall SW	25
Comments: 4-m/s downdraft										
24	213740870	015530	27.1334	-65.3929	970.8	16513	10		Center	27
Comments: James D. "Doc"McFadden sonde										
25	211930752	021638	26.3130	-66.1349	995.3	28539	10			28
Comments:										
26	212011508	022737	25.6544	-66.5642	1003.7	27531	10			29
Comments:										
Comments:										
Comments:										
Comments:										
Comments:										