Dropwindsonde Scientist Log

Storm:	AL91	Flight ID:	20220902I1	Mission ID:	04FFA	Takeoff:	1958Z	Landing:	0253Z
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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 <u>Dropsonde Processing Guide</u>).

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.

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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	213830040	204427	16.2604	-57.9412	1008.4	19519	10	28.92		1
Comments	s: No comments, good	sonde				•	•			
2	212330371	210228	17.5249	-58.2000	1008.4	13509	10			2
Comments	s: possible bad vertica	l velocity at top				•		•	,	•
3	211111694	211420	18.3167	-58.5927	1008.2	10534	10	28.82		3
Comments	s: somewhat near AF-f	ixed center, BT	not co-located w	ith sonde due to	convection	!	!			
4	2138320062	212727	19.1314	-59.1046	1009.8	11535	10			4
Comments	s: note 35 kt at surface)		1	•					
5	213840582	213904	19.8589	-59.5493	1011.1	09024	10	28.81		5
Comments	S:	•		•	•	•				-
6	213550739	221021	17.9093	-60.4613	1008.7	36009	10			6
Comments	S:									
7	213830593	221952	17.9193	-59.7913	1008.0	01502	10			8
Comments	S:									
8	211030670	222806	17.8728	-59.2439	1007.4	22010	10		Center	7
Comments	s: Post-splash data rer	noved in this so	onde, resent as ol	b 8, need to corre	ct, also sent correct	ed since this wasr	n't marked cen	ter		
9	213810377	224009	17.8324	-58.3513	1009.6	12022	10			9
Comments	s: southwest wind at to	op, southeast at	bottom, shows	tilt						
10	213740869	230801	18.8239	-56.3662	1012.6	10510	10	27.53		11
Comments	s: BT near this location	, but 2 h later a	fter VAM							

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11	213830037	011508	19.4199	-58.7124	1011.8	11534	10	28.66		12
Comments	s: Note 34 kt at surfac	e	•	•						
12	213840679	012554	18.7944	-59.1906	1010.4	11031	10			13
Comments	s:	•	•	•	•	•				
13	213910068	013742	18.0640	-59.5124	1008.9	16512	10	28.85		14
Comments	s:	•	<u>'</u>	•		•				
14	213830585	014640	17.5333	-59.8199	1009.7	19511	10			15
Comments	s:	•			•	•				
15	213810943	015530	17.0058	-60.1357	1009.3	23008	10			16
Comments	s:	•				•				
Comments	s:						-			
Comments	s:									
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Comments	s:	-	-				•	-	•	•