## Dropwindsonde Scientist Log

Storm:	AL91		Flight ID:	2022090111	Mission I	D:	02FFA Ta		<b>ceoff:</b> 2004Z		Landing:	0247Z		
		1		-										
<b>Dropsonde Scientist(s):</b> Abe			Derson				AVAPS Operator:			Warnecke				
Pre-flight														
1	Discuss the pattern with the Lead Project Scientist (LPS) and ensure that enough dropsondes are onboard.													
$\checkmark$	Con	Complete the appropriate pre-flight set-up of your workstation and ASPEN (see Dropsonde Processing Guide).												
In-flight														
$\checkmark$	Ensi	Ensure the Flight Director is aware of upcoming drops and whether a backup is requested in case of failure.												
$\checkmark$	Ensi	Ensure the AVAPS operator has determined that the dropsonde is (or is not) transmitting a good signal.												
$\checkmark$	Prio	Prioritize processing of center drops and report MSLP and surface wind speed and direction to the Flight Director.												
$\checkmark$	Fill	Fill in the Dropwindsonde Scientist log as drops are released and processed.												
1	Cop desk	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"														
1	Mak trans	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.							l					
1	Ensu "FR	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.								hin the				
1	Arcl fold	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.							Archive" r on Drive.					
✓	Dow Stor	Download this Dropwindsonde Scientist Log as "PDF" and upload completed PDF and Goo StormName/FLIGHTID/Dropsonde/ folder within the "Mission Reports" directory in the H						d Google Doc the HFP Goog	to the gle Drive.					

Storm: AL91

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	213830021	212217	15.7021	-56.0892	1008.9	31505	10	29.74		1
Comments	5.							-		
2	211111686	213442	16.5629	-55.6461	1007.9	36003	NA			2
Comments: No TH										
3	213620386	213523	16.4938	-55.6219	1008.0	28501	10	28.33		3
Comments	: replacement for 2	•	•	•	•	•	•		•	
4	213810376	214632	17.1855	-55.3352	1008.5	08510	10			4
Comments	Comments: post-splash data removed									
5	213620345	220040	18.0768	-55.0805	1009.1	11515	10			
Comments: post-splash data removed										
6	213810475	221416	18.8983	-54.6902	1009.6	07521	10	28.13		6
Comments: post-splash data removed, ASPEN did catch this one										
7	213830051	223546	18.7083	-56.1110	1010.1	07018	10	28.47		7
Comments:										
8	213820058	224815	17.9589	-55.6610	1008.2	09519	10			8
Comments:										
9	213830523	230403	17.1306	-54.9434	1008.4	10014	10			9
Comments	5:									
10	213830489	231417	16.5043	-54.5666	1008.5	12515	10			10
Comments: post-splash data										

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11	213850828	232610	15.7822	-54.1364	1008.9	20010	10	28.43		11
Comments: post-splash data removed										
12	213830532	002111	18.5347	-52.9808	1011.9	08519	10			12
Comments: Saildrone, lots of dry air aloft										
13	213550846	004010	17.4080	-53.2887	1011.3	13010	12			13
Comments: dry air above 8 kft										
14	212330378	005314	17.3042	-54.2503	1009.5	12007	10			14
Comments: stratiform rain area, post-splash data removed										
15	213430241	010320	17.1022	-54.9278	1009.3	12014	10			15
Comments: center, post-splash data removed, could not get this sonde to plot on synoptic charts. ASPEN said that the synoptic map database version has been upgraded and the database format was incorrect. Tried both versions of the Dfile										
16	213430233	011704	17.0746	-55.9191	1008.3	09021	10	28.34		16
Comments	:									
17	213830588	012952	16.3647	-55.6885	1008.7	10513	10			17
Comments:										
18	213430230	014238	15.5252	-55.2796	1010.8	15506	10			18
Comments: post-splash data not caught by ASPEN										
Comments:										
Comments:										