Dropwindsonde Scientist Log

Storm:	AL91	Flight ID:	20220831H1	Mission ID:	WEWXA	Take	eoff:	0800Z	Landing:	1555Z		
Dropsonde Scientist(s):J. ZhangAVAPS Operator:Dykeman												
Pre-flight												
1	Discus	Discuss the pattern with the Lead Project Scientist (LPS) and ensure that enough dropsondes are onboard.										
1	Comple	Complete the appropriate pre-flight set-up of your workstation and ASPEN (see <u>Dropsonde Processing Guide</u>).										
In-flight												
1	Ensure	Ensure the Flight Director is aware of upcoming drops and whether a backup is requested in case of failure.										
1	Ensure	Ensure the AVAPS operator has determined that the dropsonde is (or is not) transmitting a good signal.										
1	Prioriti	Prioritize processing of center drops and report MSLP and surface wind speed and direction to the Flight Director.										
1	Fill in t	Fill in the Dropwindsonde Scientist log as drops are released and processed.										
1	1.4	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 "scie	ence is complete".											
1		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.							1			
1		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.								thin the		
1		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.										
1		oad this Dropwinds Name/FLIGHTID/D		•	1 1			•				

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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	220840717	094041	15.10 N	50.69 W	1007.0	03006	10			01
Comment	s: IP									
2	221030215	095307	15.14 N	49.77 W	1008.4	16505	10			02
Comment	s: mid P- W	•			•	•	•			•
3	221240276	100521	15.36 N	48.89 W	1009.2	18019	10			03
Comment	s: center									
4	221250003	101803	15.36 N	47.93 W	1011.0	14020	10			04
Comment	s: mid P-E					•				-
5	221240694	102713	15.36 N	47.24 W	1011.8	12012	10			05
Comment	s: end P-E									
6	221210020	104639	16.57 N	48.15 W	1010.6	10516	10			06
Comment	s: end P-NE	-	-				•		-	
7	221210024	105830	15.81 N	48.59 W	1010.7	14518	10			07
Comment	s: mid P-NE									
8	220840762	112425	14.36 N	49.58 W	1010.0	20014	10			08
Comment	s: mid P-SW	-								
9	221240725	113612	13.59 N	49.90 W	1009.4	21014	10			09
Comment	s: end P-SW									
10	221240709	120840	13.98 N	48.20 W	1011.7	18024	10			10
Comment	s: end P-SE									

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11	221240720	122252	14.97 N	48.59 W	1010.3	16524	10			11
Comment	s: mid P-SE									
12	221150518	123316	15.56 N	49.10 W	1011.0	10011	10			12
Comment	s: center							-		
13	221250014	124832	16.19 N	49.83 W	1010.6	07023	10			13
Comment	s: mid P-NW							•	•	•
14	221240716	125931	16.94 N	49.95 W	1011.0	08520	10			14
Comment	s: end P-NW								•	•
15	221210032	131848	17.09N	48.82 W	1011.6	10020	10			15
Comment	s: end P-NE				•					•
16	221240291	133115	16.46N	49.47 W	1011.2	10019	10			16
Comment	s: mid P-NE		•	•		•	•			
17	221210028	134756	15.6 N	49.54 W	1010.1	17009	10			17
Comment	s: center									
18	221210017	140732	15.10 N	49.98 W	1009.3	18517	10			18
Comment	s: mid P-SW Last repo	rt				-				
	1	1		I	I	1	1	1	1	