Dropwindsonde Scientist Log

Storm:	AL07 / FIONA		Flight ID:	20220920H1)H1 Mission II		1807A Tak		keoff: 0832Z		Landing:	1621Z
Dropsonde Scientist(s): Sellwood						AVA	AVAPS Operator Dykeman					
Pre-flight												
1	Discuss the pattern with the Lead Project Scientist (LPS) and ensure that enough dropsondes are onboard.											
\checkmark	Con	plete th	e appropriate	pre-flight set-up o	of your work	statio	on and ASPI	EN (s	see <u>Drops</u>	onde Process	<u>ing Guide</u>).	
In-flight												
\checkmark	Ensu	Ensure the Flight Director is aware of upcoming drops and whether a backup is requested in case of failure.										
✓	Ensi	Ensure the AVAPS operator has determined that the dropsonde is (or is not) transmitting a good signal.										
1	Prio	Prioritize processing of center drops and report MSLP and surface wind speed and direction to the Flight Director.										
1	Fill	Fill in the Dropwindsonde Scientist log as drops are released and processed.										
√	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.								ation		
Once "scie	ence is complete	e"										
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.										
✓	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	Archive ASPEN_DATA and RAW_DATA into a folder named with the FLIGHTID within the "Season Dropsonde Archiv folder on the workstation desktop, and upload the same directories into StormName/FLIGHTID/Dropsonde/ folder on Dr								Archive" r on Drive.		
1	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	211447156	101322	20.43	-71.56	1001	270/28	10		IP (SW)	1
Comments: post splash data end at 268.75										
2	203250888	102834	21.48	-71.09	962	070/42	10	29.06	CENTER	2
Comments	:									
3	203830683	102944	21.57	-71.05	971	065/88	10		RMW(NE)	3
Comments	:									
4	203830681	103012	21.57	-71.04	974	065/84	10		RMW	Х
Comments	: extra RMW not transi	nitted								
5	212250265	103040	21.60	-71.02	980	070/67	10		RMW	Х
Comments: extra RMW not transmitted										
6	204031073	103101	21.63	-71.03	980	060/90	10		RMW	Х
Comments	: extra RMW not transi	nitted								
7	203830722	103137	21.65	-70.99	985	N/A	17		RMW	Х
Comments	: extra RMW not transi	nitted								
8	203631622	105421	23.02	-70.13	1008	085/35	12	29.1	EP (NE)	5
Comments	: Start FLAMES modul	e								
9	203840125	113021	21.65	-71.1	976	100/94	10		RMW	6
Comments	: outbound SW-NE FLA	MES module N	l of center							
10	203310534	114025	22.26	-70.71	999	080/45	10		MID (NE)	7
Comments	Comments: midpoint outbound SW-NE FLAMES module N of centerM									

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11	203210175	211901	23.20	-72.23	1008	065/44	10		IP (NW)	8
Comments	: Inbound NW-SE dry b	elow 800mb								
12	203241003	123302	22.43	-71.82	1002	055/56	10		MID (NW)	9
Comments	: still dry									
13	204260864	1242	21.87	-71.53	985	020/59	10		RMW (NW)	10
Comments	: could only drop 1 RM	W due to proxii	mity to land							
14	212430884	124752	21.64	-71.296	965	160/11	10		CENTER	11
Comments	Comments:									
15	212330885	125444	21.29	-71.05	990	185/66	10		RMW (SE)	12
Comments	:					-	_			
16	204520760	125516	21.26	-71.04	991	185/70	10		RMW (SE)	Х
Comments	: extra RMW not transr	nitted								
17	203030626	125546	21.24	-71.02	991	185.65	10		RMW (SE)	Х
Comments	: extra RMW not transr	nitted								
18	203241004	130231	20.87	-70.80	1002	185/39	10		MID (SE)	13
Comments	:									
19	212410890	131556	20.16	-70.37	1007	150/20	10	33,7?	EP (SE)	15
Comments	: AXBT Combo post sp	olash data ende	ed at 248.75							
20	204521371	133903	21.81	-69.93	1005	125/44	10	29.02	IP (E)	16
Comments	Comments: AXBT Combo - only reported 1 data point assumed surface temp									

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21	211921921	134850	21.80	-70.69	998	135/55	10		MID (E)	17
Comments	:									
22	203240779	135244	21.76	-70.95	985	130/74	10		RMW (E)	18
Comments	some wind dropouts									
23	202620525	135317	21.75	-70.98	984	115/71	10		RMW (E)	х
Comments	: extra RMW not transr	nitted								
24	2122250273	135344	21.75	-71.01	984	140/75	10		RMW (E)	х
Comments	: extra RMW not transr	nitted								
25	203250869	141457	21.79	-72.55	1002	360/38	12		MID (W)	19
Comments	: Center marked at 13	59 no Center or	RMW drops on t	he west side due	to land. Sonde ~10r	n past midpoint				
26	204031182	142608	21.79	-73.36	1007	255/20	10		EP (W)	21
Comments	:									
Additional launch dete	notes: Many of the sor ect at 095545 and 132	ndes had 1 or 2 750/	frames of post-s	plash data that w	as not flagged by As	SPEN. I reset the e	end time but d	idn't note in	the log. Two sondes ha	d no
Comments	:									
Comments	:									
Comments	:									