Dropwindsonde Scientist Log

Storm:	IAN	Flight ID:	20220926H1	Mission ID:	1509A	Takeoff:		Landing:	

Dropsonde Scientist(s):	J. Zhang	AVAPS Operator:	Nybeamen

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.

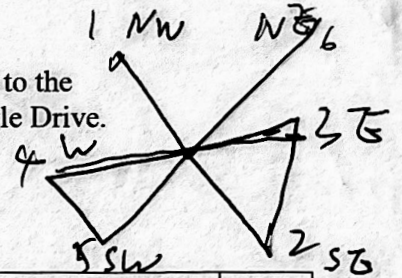
Once "science is complete"...

✓ 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.

✓ 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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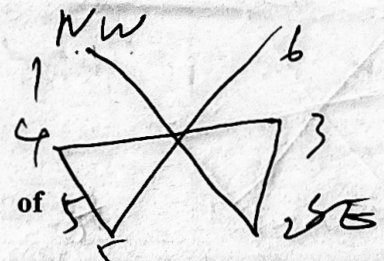
Drop #	Sonde ID	Time UTC	Lat (°N/S)	Lon (°E/W)	Sfc Pressure (mb)	Lowest Wind Direction/Speed (deg/kt)	Lowest Wind Height (m)	AXBT SST (°C)	Eye, Eyewall, Rainband, etc.	Ob #
1	~1142	093905	20.28	-83.25	1004.5	05025	10	29.7		01
Comments:	IP-NW Combo Drop splash down									
2	-1093	095827	19.12	-82.63	1000.5	04534	10			02
Comments:	Mid Pt NW									
3	-0964	100230	18.91	-82.47	997.1	05039	10			03
Comments:	1st RMW NW									
4	-1087	100304	18.88	-82.45	996.4	04042	10			04
Comments:	2nd RMW NW									
5	-1109	100335	18.85	-82.43	997.0	05538	10			05
Comments:	3rd RMW NW									
6	-0077	101147	18.39	-82.13	982.7	17506	10	29.15	center	06
Comments:	Center - combo									
7	-0102	101608	18.13	-81.98	993	19549	10			08
Comments:	1st RMW SE									
8	-0718	101632	18.10	-81.96	994.9	20063	10			09
Comments:	2nd RMW SE									
9	-0600	101702	18.08	-81.94	994.8	20076	10			10
Comments:	3rd RMW SE									
10	-0017	101509	17.62	-81.67	1000.8	20537	10			11
Comments:	Mid Pt SE									

ob #7 wrong #



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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 #
11	-0588	103724	16.93	-81.25	1005.3	21517	10	29.38		12
Comments:	End pt 5E post-splash down									
12	-0947	110140	18.56	-80.55	1004.3	15529	10	29.88		13
Comments:	End pt E. TP for E-W, combo - post splash									
13	-0669	111158	18.64	-81.27	1002.3	16537	10			14
Comments:	[illegible] mod pt E									
14	-1082	112024	18.61	-81.88	994.2	15057	10			15
Comments:	1st RMW East									
15	-1105	112054	18.61	-81.91	992.7	14455	10			16
Comments:	2nd RMW East									
16	-0395	112425	18.61	-81.95	992.5	15060	10			17
Comments:	3rd RMW E ast									
17	-0888	113920	18.65	-82.44	982.4	35575	10		center	18
Comments:	Center 2nd									
18	-1085	114134	18.72	-82.58	987.5	00545	10			19
Comments:	1st RMW West									
19	-0961	114203	18.74	-82.61	989.0	02044	10			20
Comments:	2nd RMW West									
20	-1083	114233	18.75	-82.65	991.5	01045	10			21
Comments:	3rd RMW West									

29.93 29.60

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ob 22 over land

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 #
21	-0420	114904	18.74	-83.14	999.3	36034	10			23
Comments:	Mod QT West									
22	-0580	115808	18.74	-83.77	1003.5	34028	10	29.93		24
Comments:	End QT worst combo BT#5									
23	-1072	121828	17.57	-83.58	1005.5	33520	10	29.38		25
Comments:	SW End QT, BT#6 combo									
24	-0944	123124	18.20	-83.08	1000.7	27532	10			26
Comments:	Mod SW									
25	-0073	123634	18.49	-82.88	996.6	28541	10			27
Comments:	1st RMW SW									
26	-0499	123703	18.51	-82.86	995.8	29052	10			28
Comments:	2nd RMW SW									
27	-0422	123724	18.53	-82.85	994.9	28046	10			29
Comments:	3rd RMW SW									
28	-0609	123822	18.58	-82.81	993.7	28586	10			30
Comments:	4th RMW SW									
29	0112	124440	18.78	-82.47	983.2	06068	20	29.6	Center	31
Comments:	Center - pop splash - Combo BT 7									
30	-0847	125033	19.14	-82.26	992.1	11058	10			32
Comments:	1st RMW NE									

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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 #
31	105[illegible]	125103	19.17	-82.24	994.2	10053	10			33
Comments: 2nd RMW NE										
32	-0552	125136	19.20	-82.22	995.6	10042	10			35
Comments: 3rd RMW NE										
33	-0958	125808	19.62	-81.97	1001.1	10039	10			36
Comments: Mxdpt NE										
34	-0799	130955	20.31	-81.55	1006.1	11534		29.40		37
Comments: Eyelpt NE combo last drop BT #8 ~~four BT~~										
~~35~~										
Comments:										
Comments:										
Comments:										
Comments:										
Comments:										
Comments:										