Dropwindsonde Scientist Log

Storm:	FRANCINE	**Flight ID:**	240909I1	**Mission ID:**	0506A	**Takeoff:**	2032 z	**Landing:**	Z

Dropsonde Scientist(s):	Kaplan	**AVAPS Operator:**	

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	233541308	2316	25.93	96.01	1006.5	50/25	10			1
2	233140641	2339	25.02	96.09	1004.2	42/20	10			2
3	233140458	0005	23.26	95.85	1002.9	277/35	10			3
4	233631988	0014	22.71	95.83	1005.1	298/34	10			3
	This somehow also got sent as obs 3.									
5	233667953	0032	23.32	94.68	1005.5	220/17	10			4
6	233220244	0042	23.64	95.34	1002.6	209/12	10			5
7	233630646	0052	24.00	96.07	993.8	50/18	10			6
8	233631429	0109	24.51	97.25	1007.1	322/37	10			7
Change end of drop to 239.0										
9	233630629	0124	23.46	97.28	1007.7	307/38	10			8
Changed end of drop to 236.5										
10	233640236	0133	23.78	96.73	1003.7	305/46	10			9

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11	233220181	0154	24.36	95.29	1003.9	116/24	10			10
Send end of drop to 254.5										
12	233631970	0208	24.91	94.33	1006.4	155/11	10			11
13	233640834	0103	24.32	96.81	1003.7	357/30	10			12
Comments:										