Dropwindsonde Scientist Log

Storm:	FRANCINE	**Flight ID:**	20240910I1	**Mission ID:**	1006A	**Takeoff:**	2010 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.

Storm: <<FRANCINE>> **Flight ID: <<240910I1>>** **Mission ID: << 1006A>>**

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	232240101	2230	26.78	93.15	1005.1	93/14	10			1
2	233140637	2243	26.36	93.97	1002.2	125/32	10			2
3	233630621	2258	25.80	94.86	983.4	207/11	10		Center	3
4	233221012	2307	25.50	95.39	994.6	329/44	10			4
Set end of drop at 211.0										
5	233640796	2313	25.28	95.82	1000.2	343/26	10			5
6	231931572	2329	24.81	94.78	1000.2	225/30	10			7
Set End of drop at 198.										
7	233220913	2335	25.24	94.74	994.6	235/44	10			8
8	233241059	2345	25.94	94.81	983.	134/17	10		Center	9
Set end of drop at 187.										
9	232320778	2359	26.85	94.86	1001.1	47/30	10			10
10	232320777	0012	27.73	94.86	1002.4	78/23	10			12
Set end of drop at 197.75										

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11	233150161	0035	26.84	96.42	1003.7	04/24	10			13
12	231821695	0049	26.39	95.45	999.0	18/46	10			14
13	233141076	0101	26.05	94.70	982.1	131/9	10		Center	15
14	233141025	0014	25.56	93.89	997.3	185/47	10			16
Set end of drop at 202.										
15	233331474	0128	25.12	93.07	1004.6	179/29	10			18
Set end of drop at 199.75		Marked as LAST REPORT								