

Dropwindsonde Scientist Log

Storm:	Milton	Flight ID:	2024100611	Mission ID:	0114A	Takeoff:		Landing:	
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	233541332	1028	24.6	94.8	1008.	49/31	10			1
2	233550499	1042	23.86	94.74	1007.2	63/8	10			2
3	233540570	1101	22.55	94.90	993	160/19	10		center	3
4	233141079	1106	22.23	94.91	999	232/47	10		Maxwindband	5
Set end of drop at 240.5										
5	233140851	1115	21.64	94.91	1005.3	261/31	10			6
Set end of drop at 244.25										
6	232010135	1125	20.91	94.90	1008	265/30	10			7
Late launch detect. Looked ok.										
7	233341098	1149	22.53	94.75	1007.2	210/25	10			8
Data missing above 850 mb										
8	233540557	1159	22.1	94.0	1005	174/27	10			10
9	233140751	1206	22.33	94.41	1001.3	179/34	10		Maxwindband	11
10	233541317	1207	22.37	94.48	998.5	180/41	10		Maxwindband	12
11	233825134	1212	22.53	94.75	991	360/6kt	10		center	13

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12	233410811	1215	22.62	94.94	998.1	17/37kt	10		Maxwindband	14
13	233560369	1226	22.96	95.61	1007	15/29	10			15
	End of drop set at 130.5									
14	233541326	1241	24.45	96.47	1008.2	23/29	10			16
15	233814634	1305	22.22	95.13	1007	314/24	10			17
16	233814595	1316	22.19	95.11	1004	315/31	10			19
17	233541324	1326	22.56	94.48	990.9	79/5kt	10		center	20
Set end of drop @221.75										
18	233410819	1329	22.76	94.32	999.5	104/38	10		Maxwindband	21
19	233410822	1340	23.18	93.63	1006.7	125/29	10			22
20	233814610	1348	23.47	93.09	1008.8	142/13	10		last report	23

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