Dropwindsonde Scientist Log

Storm:	ERNESTO	**Flight ID:**	202408131	**Mission ID:**	0505A	**Takeoff:**	0442	**Landing:**	HHMMZ

Dropsonde Scientist(s):	Sellwood	**AVAPS Operator:**	Paul

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.

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	233221001	0918	15.08	-60.56	1010	185/21	10		IP SE	1
Comments: set end 1 frame up										
2	240650242	0929	15.65	-61.14	1008	185/15	10		MID SE	2
Comments: no manual QC										
3	240650244	0948	16.56	-62.04	1008	020/18	10		MID NW	3
Comments: no center drop/over land										
4	233710365	1014	16.82	-63.17	1008	025/18	10		EP NW	4
Comments: south of planned endpoint										
5	240454112	1044	14.95	-63.40	1010	025/07	10		IP SW	5
Comments: north of planned IP no manual QC dropped to 8k ft to deconflict with USAF										
6	234710760	1057	15.62	-62.82	1010	085/02	10		MID SW	6
Comments: no manual QC										
7	240610526	1112	16.25	-62.06	1009	325/09	10		CENTER	7
Comments: no manual QC										
8	240610527	1125	16.87	-61.43	1008	120/30	10		MID NE	8

Comments: no manual QC										
9	240454201	1136	17.41	-60.86	1010	140/35	10		EP NE	9
Comments: no manual QC										
10	240650241	1145	17.67	-61.49	1009	100/25	10		MP of DWL	10
Comments: extra drop in sensitive area for ONR midpoint of N DW leg partial fast fall removed 100s of wind										

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11	230350130	1158	18.11	-62.33	1010	105/26	10		EP N	11
Comments: returned to 10k ft altitude										
12	240610557	1212	17.15	-62.29	1007	065/15	10		MID N	12
Comments: set end 241.75 looks to be slightly above surface GPS=20m lowest surface pressure yet										
13	240610528	1224	16.28	-62.12	1009	195/18	10		CENTER	13
Comments: set end 246.0 wind jump near surface/tilted										
14	240650254	1236	15.53	-62.11	1011	185/26	10		MID S	14
Comments: no manual QC										

15	240610524	1249	14.57	-62.11	1013	160/24	10		EP S	15
Comments: no manual QC										
16	240650257	1324	16.34	-60.69	1011	175/38	10		IP E	17
Comments: no manual QC										
17	234220161	1342	16.32	-62.03	1009	180/41	10		MID E	18
Comments:										
18	240610470	1349	16.32	-62.50	1008	205/25	10		CENTER	19
Comments: do not mark as center did not get clear wind shift										
19	233710362	1403	16.39	-63.50	1010	010/05	10		MID W	20
Comments:										
20	233340984	1415	16.39	-64.38	1010	025/10	10		EP W	21
Comments: end of TDR pattern										

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21	233221005	1432	16.57	-63.34					MID W (inbound)	22

Comments: start of combination VAM and request from Carcah to sample NE quadrant again - E to midpoint NE to center out to NE 90mn DW to N and back to center spotty data + stopped above surface set end to 165 and set heights missing data above looked good enough to transmit										
22	233410951	1445	16.79	-62.45	1008	160/24	10		CENTER	23
Comments:										
23	233550537	1453	17.24	-61.97	1010	155/28	10		MID NE	24
Comments:										
24	240444982	1504	17.76	-61.43	1011	165/43	10		EP NE	25
Comments: Last report marked										
Comments:										
Comments:										
Comments:										
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Comments:										
Comments:										

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