

Dropwindsonde Scientist Log

Storm:	<i>Earl</i>	Flight ID:	20220407A	Mission ID:	1606A	Takeoff:		Landing:	
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Dropsonde Scientist(s):	<i>J. Zhang</i>	AVAPS Operator:	
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Pre-flight

- Not Started Discuss the pattern with the Lead Project Scientist (LPS) and ensure that enough dropsondes are onboard.
- Not Started 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" ...

- Not Started 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.
- Not Started 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.
- Not Started 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.
- Not Started 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: *Bowl*

Flight ID: *D9241*

Mission ID: *160614*

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of

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	210540376	003703	23.09	64.95	1004.4	20034	60			01
Comments: <i>IFP - SE</i>										
2	204640120	094424	24.71	65.44	992.5	20553	12			02
Comments: <i>MP - SE</i>										
3	210240728	085225	24.90	65.56	985.9	19553	10		<i>rainw 1</i>	03
Comments: <i>SE - Rainw</i>										
4	210550445	095013	24.92	65.58	983.9	20051	10		<i>Rainw 2</i>	04
Comments: <i>SE 005253</i>										
5	201220210	095323	24.95	65.60	982.4	19562	10		<i>Rainw 3</i>	05
Comments: <i>SE</i>										
6	204850123	085440	25.22	65.78	979.0	<i>(14516)</i> 14516	10	28.15	<i>center 1</i>	06
Comments: <i>center</i>										
7	207310039	100624	25.63	66.05	989.4	02072	10		<i>Rainw 1</i>	07
Comments: <i>NW</i>										
8	211230725	100650	25.66	66.07	989.5	02064	10		<i>Rainw 2</i>	08
Comments: <i>NW</i>										
9	212220325	100726	25.69	66.09	991.4	03053	100		<i>Rainw 3</i>	09
Comments: <i>NW</i>										
10	220840712	101636	26.29	66.45	1002.9	02538	10			10
Comments: <i>NW - Rainw 4</i>										

- final

Storm: ESW

Flight ID: 090141

Mission ID: 16064

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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	210930160	103111	27.04	67.60	1008.3	05527	10	29.18		12 ✓
Comments: EP - NW/Combo										
12	210620026	105614	25.37	67.54	1005.1	35030	10			18 ✓
Comments: EP - W to E										
13	221240711	110634	25.37	66.75	1000.0	34546	10			14 ✓
Comments: MP W inbound										
14	211010815	111337	25.37	66.23	986.6	32570	10		Rain W	15 ✓
Comments: W inbound W-E										
15	210940858	111407	25.37	66.19	985.7	32559	10		Rain W	16 ✓
Comments: W W-E										
16	22120022	111438	25.37	66.15	982.4	34355	10		Rain W	17 ✓
Comments: W-E										
17	221245718	111439	25.39	65.77	980.0	10008			Center	18 ✓
Comments: late lander data										
18	221240719	112723	25.39	65.17	988.8	14072			Rain W	19 ✓
Comments: E overground W-E										
19	221210029	112756	25.39	65.13	991.1	14065			Rain W	20 ✓
Comments: E out W-E										
20	221210016	112822	25.39	65.10	992.2	15065			Rain W	21 ✓
Comments: E overground W-E										

Storm: *Frank*

Flight ID: *0957M1*

Mission ID:

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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	2018060683	132412	25.44E	65.73E	979.3	22007			center	34 ✓
Comments: <i>Like Launch</i>										
32	2018050296	131809	24.93E	66.05E	944.1	28956			eye wall	35
Comments:										
33		124957							eye wall	
Comments: <i>Early launch sensor (bad data) not sure</i>										
34	2018050550	131836	24.90E	66.07E	945.7	29052			eye wall	36
Comments:										
35	2018050846	132247	24.66E	66.22E	947.7	28940				37
Comments: <i>but sensor not one (near peak)</i>										
Comments:										
Comments:										
Comments:										
Comments:										