

Dropwindsonde Scientist Log

Storm:	AL07 / FIONA	Flight ID:	20220921I1	Mission ID:	2307A	Takeoff:	2056Z	Landing:	0239Z
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Dropsonde Scientist(s):	Murillo	AVAPS Operator:	Wernecke
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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	213430277	223906	27.0448	-72.7266	999	35/39	10		IP	1
Comments: coming in from the west at IP										
2	213850834	225830	26.0945	-71.7387	940	05/51	10		eyewall NW	7
Comments: late launch detect: DIAG 230219.25 LAU: 225829.75										
3	213570238	230201	25.9078	-71.5647	944	10/90	10		eyewall NW	8
Comments:										
4	213830557	2302359	25.8702	-71.5280	937	355/42	12		eyewall NW	3
Comments:										
5	213620533	230358	25.8137	-71.4501	935	275/16	10		eye	2
Comments:										
6	213830573	230658	25.6747	-71.2735	-	-	-		eyewall SE	4
Comments: 'didn't hit the surface', set heights to missing										
7	213430276	230713	25.6642	-71.2615	943	171/102	12		eyewall SE	9
Comments:										
8	212750207	230740	25.6437	-71.2387	948	170/82	10		eyewall SE	10
Comments:										
9	213620467	232655	24.7165	-70.3224	967	190/52	10		endpoint	6
Comments:										
10	213430253	000026	27.1751	-70.0579	1000	100/44	10		endpoint	11
Comments:										

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	213430281	002229	26.1869	-71.1487	948	85/99	10		eyewall NE	12
Comments:										
12	213430283	002257	26.1675	-71.1704	946	80/97	12		eyewall NE	14
Comments:										
13	213570230	002333	26.1398	-71.2004	939	105/59	10		eyewall NE	15
Comments:										
14	213570216	002624	26.0470	-71.3895	935	250/12	10		eye	13
Comments:										
15	213430300	002832	25.9531	-71.5238	941	275/55	10		eyewall SW	17
Comments:										
16	213430288	002918	25.9198	-71.5680	950	280/82	10		eyewall SW	18
Comments:										
17	213570212	002947	25.8970	-71.5981	954	280/70	12		eyewall SW	19
Comments:										
18	213430280	004924	25.0510	-72.7070	997	310/39	10		endpoint	20
Comments: last report										
Comments:										
Comments:										