

Dropwindsonde Scientist Log

Storm:	AL07 / FIONA	Flight ID:	20220916H1	Mission ID:	0307A	Takeoff:	0758Z	Landing:	1516Z
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Dropsonde Scientist(s):	Sellwood	AVAPS Operator:	Dykeman
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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	204350536	100753	14.85	-58.93	1008	265/07	10	29.2	IP (SW)	1
Comments: post splash data end 296.50										
2	213520546	101510	15.35	-58.53	1006	270/09	10		MID	2
Comments:										
3	211230759	102418	15.84	-58.34	1005	075/06	10		CENTER	3
Comments: set end 2 frames up to get surface correct										
4	213520376	103853	16.35	-57.45	1010	110/42	10		MID OB	4
Comments:										
5	210650375	105206	16.81	-56.69	1012	105/33	10	28.19	END LEG 1 (NE)	5
Comments:										
6	213741156	110908	17.05	-57.87	1011	090/42	10		MID OF DW LEG	7
Comments:										
7	210710259	112246	17.05	-58.89	1011	NA	13		END DW LEG (NW)	8
Comments:										
8	210741060	113126	16.49	-58.89	1008	065/31	10		MID IB	9
Comments:										
9	210930247	1144	15.80	-58.41	1006	180/19	10		CENTER	10
Comments: ASPEN erroneously flagged as late launch detect ... P file gave correct launch										
10	210710257	120144	15.19	-57.34	1012	140/31	10		MID OB	11
Comments:										

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11	210710257	121613	14.71	-56.47	1012	125/22	10		EP (SE)	12
Comments: Same as previous ... used P file										
12	204950413	123121	15.77	-56.39	1014	120/27	10		EP (E)	13
Comments:										
13	204820115	123642	15.80	-56.80	1014	115/33	12		1/3 LEG	14
Comments:										
14	204820122	124927	15.81	-57.72	1011	135/26	10		1/3 LEG	15
Comments:										
15	213740246	130419	15.64	-58.77	1008	195/26	10		MID W	16
Comments:										
16	213550971	131124	15.65	-59.26	1008	350/03	10		EP (W)	17
Comments:										
Comments:										
Comments:										
Comments:										
Comments:										