Dropwindsonde Scientist Log

Storm:	Ian	Flight ID:	20220925H1	Mission ID:	0809A	Takeoff:	0824	Landing:	

Dropsonde Scientist(s):	J. Zhang	AVAPS Operator:	Rabeman

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.

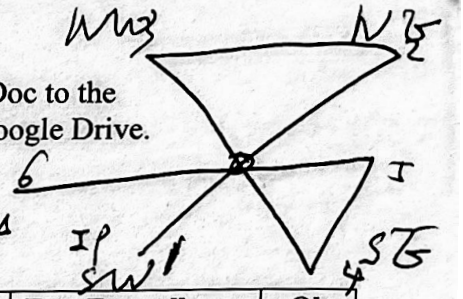
Once "science is complete"...

✓ 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.



Storm: Ian **Flight ID:** 0925H1 **Mission ID:** 0809A | **Page** 2 **of** 4

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	— 0945	102532	13.48	-79.89	1005.8	24012	10			01
Comments: IP — SW end (SW — NE)										
2	— 0236	103757	14.25	-79.45	1005.1	26515	10			02
Comments: MidPt — SW										
3	— 0654	104804	14.88	-79.34	1002.7	02019	10		Center	03
Comments: Center										
4	— 0378	105832	15.53	-79.03	1005.0	09024	10			04
Comments: RMW 1 NE										
5	— 0836	105903	15.56	-79.02	1005.3	08026	10			05
Comments: RMW2 NE										
6	— 0251	105934	15.59	-79.00	1004.6	09525	10			06
Comments: RMW3 NE										
7	— 0747	110508	15.93	-78.82	1005.7	13520	10			08
Comments: MIP NE										
8	— 0724	111320	16.49	-78.69	1006.8	10524	10			09
Comments: EndPt NE										
9	— 0673	113558	16.42	-80.47	1006.8	06521	10	29.95		10
Comments: ENDPt NW — starting NW-SE leg combo - post splash										
10	— 0443	114904	15.62	-80.10	1006	03026				11
Comments: MIDPt NW										

07 (VOID)

2 voice messages sent by FD

Storm: Ian **Flight ID:** 092541 **Mission ID:** 0809A | **Page** 3 **of** 4

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	-0318	115953	15.08	-79.58	1004	01018	10	29.66		12
Comments:	Center pass. splash corrected									
12	-0329	121420	14.20	-79.06	1005.8	21020	10			13
Comments:	MidPt SE [redacted]									
13	-0641	121729	14.05	-78.90	1006.0	19017	10	29.48		14
Comments:	EndPt SE combo BT									
14	-0377	124410	15.24	-77.79	1007.1	11024				16
Comments:	EndPt E leaving E-W pass									
15		114434								
Comments:	1st RMW E - bad sonde no data									
16	-1097	124854	15.30	-78.13	1006.5	15020				17
Comments:	2nd RMW E - post splash data									
17	-1079	124929	15.30	-78.17	1007.2	15525				18
Comments:	3rd RMW E									
18	-1098	125730	15.31	-78.79	1005.6	15022				19
Comments:	~~Center~~ MidPt E-									
19	-1084	131203	15.05	-79.74	1003.3	33522			Center	20
Comments:	Center 3rd pass									
20	-0607	132426	15.05	-80.64	1006.2	35519				21
Comments:	MidPt W									

Storm: Ian Flight ID: 092544 Mission ID: 0804A | Page 4 of 4

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 #
21	-1111	133404	15.06	-81.34	1007.8	02020	10			22
Comments: W End {Last sonde}										
27										28 WV
Comments:										
23										
Comments:										
24										
Comments:										
25										
Comments:										
26										
Comments:										
27										
Comments:										
28										
Comments:										
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Comments:										