Dropwindsonde Scientist Log

Storm:	Paul	Flight ID:	090421	Mission ID:	0106A	Takeoff:		Landing:	

Dropsonde Scientist(s):	Jun Zhang	AVAPS Operator:	

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: Fred Flight ID: 20220904H1 Mission ID: Page 2 of 3

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	22121023	092023	18.38	-64.05	1007.5	21024	10			01
Comments: IP										
2	22121024	092408	18.38	-64.09	1007.1	20523	10			02
Comments:										
3	22121025	093148	19.04	-64.49	1004.7	19029	10			03
Comments: MID										
4	22130246	094338	19.79	-64.94	1006.9	08016	10			04
Comments: CONAGER sonde - ~~remarks~~ Sonde dyfen										
5	22122406	100912	20.63	-65.41	1008.8	07022	10			05
Comments:										
6	~~22122406~~ 22061413	113922	19.04	-65.92	1007.7	00510	10	29.4		06
Comments: Combo, 2										
7	22122722	120040	19.25	-65.22	1007.1	01513	10			07
Comments: Center marked in Aspen										
8	20122040	122432	19.92	-63.60	1009.9	11025	10			08
Comments:										
9	21224016	123145	19.92	-62.90	1012.2	11523	10			09
Comments:										
10	20122047	124833	20.90	-63.31	1012.9	12012	10			10
Comments:										

Storm: Fiona **Flight ID:** 09HH1 **Mission ID:** 09HH **Page** 3 **of** 7

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	22124027B	~~13085~~ 130057	20.18	-63.78	1011.5	09535	10			11
Comments:										
12	22130220	~~13085~~ 130137	20.14	-63.80	1010.9	09527	10			12
Comments:										
13	22122027	~~13085~~ 130206	20.11	-63.83	1010.5	10525	10			13
Comments:										
14	22125004	13140	19.58	-64.28	1005.2	08532	10			14
Comments:	Center									
15	22130761	13244	18.98	-64.89	1002.9	07589	10			15
Comments:	~~0164~~									
16	22125024	13423	18.07	-65.66	1010.6	27513	10			16
Comments:	Land report									
Comments:										
Comments:										
Comments:										
Comments:										