Dropwindsonde Scientist Log

Storm:	Beryl	**Flight ID:**	20240706H2	**Mission ID:**	2602A	**Takeoff:**	2005z	**Landing:**	HHMMZ

Dropsonde Scientist(s):		**AVAPS Operator:**	

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	2300940024	215433	25.493	92.207	1006.6	065/33	10			1
Comments: NE IP (WP 1)										
2	230716100	220632	24.769	92.710	1001.2	095/37	10			2
Comments: NE-Center Midpoint; Flagged T and RH 0-7.5s (T drop/increase issue)										
3	230650123	221716	24.152	93.097	996.0	130/14	10			3
Comments: Center; Flagged T and RH 0-7.5s (T drop/increase issue); set end at 260.00s (0 sats at bottom)										
4	2300931010	223113	23.374	93.630	1004.6	290/21	10			4
Comments: Center-SW Midpoint; Flagged T and RH 0-11.5s (T drop/increase issue);										
5	2300940047	224243	22.692	94.054	1006.9	310/21	10			5
Comments: WP 2 (SW); Flagged T and RH 0-5.75s (T drop/increase issue);										
6	230710564	230646	22.921	92.310	1007.5	235/17	10			6
Comments: WP 3 (SE); Flagged T and RH 0-5.5s (T drop/increase issue);										
7	230610033	231052	23.644	92.755	1003.2	220/29	10			7
Comments: SE-Center Midpoint; Flagged T and RH 0-7.00s (T drop/increase issue);										

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
[illegible]: [illegible] ([illegible]); [illegible] T [illegible] RH [illegible] (T [illegible]/[illegible] [illegible] [illegible]);										
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
[illegible]: [illegible]; [illegible] T [illegible] RH [illegible] (T [illegible]/[illegible] [illegible] [illegible]); [illegible] [illegible] [illegible] [illegible] ([illegible] [illegible] [illegible] [illegible])										
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			11

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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
[illegible]: WP 4 (NW); [illegible] T [illegible] RH [illegible] (T [illegible]/[illegible] [illegible] [illegible]);										
[illegible]	[illegible]	[illegible]	24.515	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
[illegible]: WP 5 (W); [illegible] [illegible] [illegible] [illegible] ([illegible] [illegible] [illegible] [illegible])										
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			14
[illegible]: [illegible]; [illegible] T [illegible] RH [illegible] (T [illegible]/[illegible] [illegible] [illegible]); [illegible] [illegible] [illegible] [illegible] ([illegible] [illegible] [illegible] [illegible])										
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			15
[illegible]: [illegible]; [illegible] T [illegible] RH [illegible] (T [illegible]/[illegible] [illegible] [illegible]);										

15	[illegible]5[illegible]1[illegible]	[illegible]5[illegible]7	[illegible]	[illegible].4[illegible]7	1[illegible].5	[illegible]/[illegible]	1[illegible]			16
Comments: VAM [illegible] #1; [illegible] T [illegible] RH [illegible]-6.[illegible] (T [illegible]/i[illegible] [illegible] i[illegible]u[illegible]); [illegible] 1[illegible]6.[illegible]5-1[illegible]7.[illegible]5; [illegible]t [illegible] [illegible]t 1[illegible] ([illegible]t [illegible]t [illegible]tt[illegible])										
16	[illegible]74[illegible]5[illegible]	[illegible]11647	[illegible]4.7[illegible]5	[illegible].[illegible]4[illegible]	[illegible]	[illegible]/[illegible]	[illegible]/[illegible]			17
Comments: VAM [illegible] #[illegible];										
17	[illegible]515[illegible]5	[illegible]1[illegible]657	[illegible]4.466	[illegible].765	1[illegible].6	16[illegible]/[illegible]5	1[illegible]			1[illegible]
Comments: [illegible]t[illegible]-E [illegible] i[illegible]i[illegible]t; [illegible] T [illegible] RH [illegible]-5.[illegible] (T [illegible]/i[illegible] [illegible] i[illegible]u[illegible]); [illegible]t [illegible] [illegible]t 1[illegible].5.[illegible] ([illegible]t [illegible]t [illegible]tt[illegible])										
1[illegible]	[illegible]74[illegible]1[illegible]	[illegible]15[illegible]	[illegible]4.464	[illegible]1.[illegible]	1[illegible]7.5	16[illegible]/[illegible]4	1[illegible]			1[illegible]
Comments: WP 6 (E); [illegible] T [illegible] RH [illegible]-[illegible].[illegible]5[illegible] (T [illegible]/i[illegible] [illegible] i[illegible]u[illegible]); LAST REPORT										
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