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- ✓ 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](#)).
  
- ✓ 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.
  
- ✓ 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: <<STORM NAME>>

Flight ID: <<YYYYMMDDA#>>

Mission ID: <<WXWXA>>

1	222030362	222836	28.474	94.678	1004.7	110/29	10			01
Comments: NE WP (WP 1); flagged T and RH 0-7.5s (T drop/increase issue);										
2	222010083	224127	27.748	95.148	1001.1	110/30	10			02
Comments: NE-Center midpoint; ~57 kt low-level NE jet at ~900 mb										
3	222050543	225516	26.968	95.702	987.9	250/04	10			03
Comments: Center #1 (NE-SW); set end at 209.25s (0 sats at bottom)										
4	222030332	230813	26.202	96.181	999.6	275/29	10			05
Comments: Center-SW midpoint; flagged data 99.25-100.00s (0-3 sats)										
5	222060062	232023	25.436	96.465	1004.4	275/23	10			06
Comments: SW IP (WP 2); flagged 218.50-218.75s (0 sats); set end at 219.75s (0-2 sats at bottom); flagged 0-15.50s (dz/dt still equilibrating)										
6	222010095	235149	25.586	94.812	1005.6	190/33	10			07
Comments: SW WP (WP 3); set end at 270.75s (0 sats at bottom); flagged T and RH 0-23.0s (T drop/increase issue);										
7	222060090	000633	26.509	95.117	999.0	185/50	10			08
Comments: SE-Center midpoint; flagged RH 1.0-3.75s (0 sats)										

Storm: <<STORM NAME>>

Flight ID: <<YYYYMMDDA#>>

Mission ID: <<WXWXA>>

8	222050425	001823	27.154	95.691	987.6	065/12	10			09
Comments: Center #2 (SE-NW); flagged T and RH 0-8.0s (T drop/increase issue);										
9	222010094	003048	27.708	96.397	1000.1	025/38	10			10
Comments: Center-NW midpoint;										
10	222050553	003554	27.861	96.776	1002.1	01038	10			12
Comments: NW WP (WP 4);										

11	222030370	010557	27.278	97.079	1002.6	360/29	10			13
Comments: W WP (WP 5); set end at 224.50s (0 sats at bottom);										
12	222060064	011510	27.279	96.386	998.4	340/31	10			14
Comments: W-Center midpoint; set end at 216.50s (32 sats at bottom);										
13	222030390	012506	27.309	95.618	988.1	150/005	10			15
Comments: Center #3 (W-E); set end at 214.00s (0 sats at bottom); flagged T and RH 0-12.5s (T drop/increase issue);										
14	222050544	013706	27.409	94.734	999.7	145/48	10			17

Storm: <<STORM NAME>>

Flight ID: <<YYYYMMDDA#>>

Mission ID: <<WXWXA>>

Comments: Center-E midpoint;										
15	222050542	015101	27.414	93.713	1006.5	155/32	10			18
Comments: E WP (WP 6); set end at 228.75s (0 & 24 sats at bottom); LAST REPORT										
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