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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.

1	233410816	093141	28.448	83.897	1010.0	090/20	10			01
Comments: N of WP 1 - Saildrone 1057; flagged T and RH 0-6.5s (T equilibration issue);										
2	233630623	094726	27.379	84.104	1006.6	100/30	10			02
Comments: N WP (WP 1); flagged T and RH 0-5.5s (T equilibration issue); set end at 239.00s (0 sats at bottom)										
3	233460692	095946	26.521	84.104	1003.7	065/30	10			03
Comments: WP1-Ctr midpoint; flagged T and RH 0-7.0s (T equilibration issue);										
4	233220184	100718	25.990	84.104	1002.7	090/08	10	30.74		04
Comments: WP 1-2 Center; sonde/BT combo; flagged T and RH 0-7.0s (T equilibration); set end at 239.00s (dz/dt suspect at for last data line)										
5	233640778	101932	25.126	84.103	1004.0	245/16	10			05
Comments: Ctr-WP 2 midpoint; flagged T and RH 0-6.5s (T equilibration); set end at 249.75s (0 sats at bottom)										
6	233631991	103132	24.306	84.068	1005.3	255/23	10			06
Comments: S WP (WP 2); flagged T and RH 0-6.5s (T equilibration issue); saturated ~775-975 mb; set end at 237.75s (0 sats at bottom)										
7	233220243	110655	26.229	82.384	1007.5	155/39	10			07
Comments: E WP (WP 3); flagged T and RH 0-8.5s (T drop/increase issue); 57kt at ~893 mb										
8	233541315	111827	26.238	83.297	1002.2	160/46	10	30.82		08

Comments: WP 3-Ctr midpoint; sonde/BT combo; flagged T and RH 0-6.5s (T equilibration issue); set end at 238.00s (0 sats at bottom); multiple saturated layers ~825-surface										
9	233220908	112551	26.194	83.860	1002.3	230/11	10			09
Comments: WP 3-4 Center; flagged T and RH 0-5.0s (T equilibration); set end at 240.75s (0 sats at bottom); FD requested not to mark as center (slightly missed)										
10	231611768	113647	26.105	84.716	1004.0	330/12	10			10
Comments: Ctr-WP 4 midpoint; flagged T and RH 0-15.0s (T equilibration); set end at 244.00s (0 sats at bottom); A tricky T equilibrium flag...is there an inversion up top too?										

11	231720819	114522	26.103	85.385	1006.2	350/20	10	30.70		11
Comments: W WP (WP 4); sonde/BT combo; flagged T and RH 0-6.5s (T equilibration); set end at 239.00s (0 sats at bottom); Flagged RH ramp up at bottom (238.5-239.0s)										
12	232051013	115759	25.403	85.040	1006.7	320/15	10			12
Comments: SW WP (WP 5); flagged T and RH 0-13.5s (T equilibration);										
13	232051009	120659	25.853	84.532	1004.2	285/15	10			13
Comments: WP 5-Ctr midpoint; flagged T and RH 0-7.5s (T equilibration); set end at 251.50s (0 sats at bottom);										
14	232150632	121317	26.167	84.185	1002.7	285/06	10			14
Comments: WP 5-6 Center; flagged T and RH 0-8.5s (T equilibration); set end at 245.50s (0 sats at bottom); FD requested not to mark as center (slightly missed)										
15	190150922	122604	26.823	83.450	1003.2	135/45	10			15

Comments: Ctr-WP 6 midpoint; flagged T and RH 0-6.5s (T equilibration); set end at 241.25s (0 sats at bottom);										
16	232050278	123304	27.176	83.050	1005.9	110/40	10			16
Comments: NE WP (WP 6); flagged T and RH 0-6.5s (T equilibration); interesting inversion/moist layer near 910mb (updraft in dz/dt too)										
17	230620802	130635	27.616	85.614	1007.0	015/22	10			17
Comments: NW WP (WP 7); flagged T and RH 0-11.0s (T equilibration);										
18	232051008	131904	27.006	84.914	1005.3	025/28	10			18
Comments: WP 7-Ctr midpoint; flagged T and RH 0-8.0s (T equilibration); set end at 242.25s (0 sats at bottom); small TInv ~840 mb coincident with vert WSpd & RH gradients										
19	232020665	133006	26.457	84.280	1002.4	295/08	10			19
Comments: WP 7-8 Center; flagged T and RH 0-8.0s (T equilibration); set end at 250.50s (0 sats at bottom);										
20	231611765	134448	25.749	83.457	1005.2	185/25	10			20
Comments: Ctr-WP 8 midpoint; flagged T and RH 0-13.5s (T equilibration); set end at 233.50s (0 sats at bottom); saturated layers ~top-850 mb & 920-960 mb										

21	230740559	135607	25.178	82.873	1008.6	190/44	10			21
Comments: SE WP (WP 8); flagged T and RH 0-13.0s (T equilibration); ~62 kt at ~957 mb, quick drop off in winds below that; LAST REPORT										

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