## **Dropwindsonde Scientist Log**

Storm:	PTC02	Flight ID:	20220630Н1	Mission ID:	0502A	Takeoff:	1341Z	Landing:	2000Z
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<b>Dropsonde Scientist(s):</b>	Zawislak	AVAPS Operator:	Hartberger
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## **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 <u>Dropsonde Processing Guide</u>).

## 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.

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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	212340697	152906	13.73	73.23	1011.5	091/24	10		IP NE, Pass 1	01
Comments	s: No issues									
2	212350571	153936	13.11	73.88	1010.7	089/33	10		MP NE, Pass 1	02
Comments	s: No issues	•			•	•				-
3	212340706	154953	12.49	74.51	1009.5	081/39	10		"CTR", Pass 1	03
Comments	s: No issues	'		-	•	'				•
4	212350440	160023	12.22	75.40	1010.5	074/24	10		MP SW, Pass 1	04
Comments	s: No issues									
5	212350604	161010	11.90	76.18	1010.8	040/18	12		EP SW, Pass 1	05
Comments	s: No issues									
6	210550259	163750	11.80	74.50	1007.9	238/2	10		IP S, Pass 2	06
Comments	s: No issues									
7	212340591	164636	12.51	74.50	1008.8	079/34	10		"CTR", Pass 2	07
Comments	s: No issues									
8	212350601	165748	13.39	74.50	1009.8	076/30	10		MP N, Pass 2	08
Comments	s: No issues									
9	212340691	170410	13.89	74.50	1010.8	063/24	10		EP N, Pass 2	09
Comments	s: No issues									
10	211910561	172435	13.03	75.78	1009.3	060/21	10		IP NW, Pass 3	10
Comments	s: No issues									

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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	213520908	173822	12.43	75.00	1007.7	063/28	10		MP NW, Pass 3	11
Comments	: No issues			•	•	•				
12	212340666	174910	11.94	74.38	1008.8	123/10	10		"CTR", Pass 3	12
Comments	: No issues		•		•	•				
13	211930583	175650	12.06	73.98	1008.3	114/17	10		QTRPT ENE, Pass 3	13
Comments	: No issues	-			-	<u>'</u>				
14	212350592	180604	12.40	73.28	1010.1	087/16	10		MP ENE, Pass 3	14
Comments	: No issues	•	•		•	•				
15	212350393	181424	12.72	72.71	1009.5	080/24	10		EP ENE, Pass 3	15
Comments	: No issues; LAST RE	PORT								
Comments	s:							-		
Comments	3:									
Comments	<b>:</b> :									
Comments	<u> </u>									
Comments	»:									