Dropwindsonde Scientist Log

Storm:	PTC02	Flight ID:	20220629Н1	Mission ID:	0402A	Takeoff:	1453Z	Landing:	2101Z
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Dropsonde Scientist(s):	Zawislak / Henning	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	210540351	153356	15.00	66.52	1013.6	064/28	12		PT1, Leg 1	01
Comments	s: No issues						-			
2	213620645	154823	15.00	67.84	1014.8	071/29	10		PT2, Leg 1	02
Comments	s: No issues		•	•	•	•				-
3	213520547	160259	15.00	69.18	1015.8	055/24	12		PT3, Leg 1	03
Comments	s: No issues					•				•
4	213741124	161737	14.96	70.49	1015.3	056/27	10		PT4, Leg 1	04
Comments	s: No issues		•							•
5	211850321	162757	14.13	70.51	1013.6	059/24	10		PT5, Leg 2	05
Comments	s: No issues	•								•
6	212350394	164714	13.97	69.17	1013.4	050/25	10		PT6, Leg 2	06
Comments	s: No issues	•	•		•	•				
7	212340683	170915	14.35	67.89	1014.5	091/25	12		PT7, Leg 2	07
Comments	s: No issues									
8	212340681	173036	14.00	66.49	1014.0	085/27	10		PT8, Leg 2	08
Comments	s: No issues									
9	211831151	175149	13.26	66.50	1013.3	081/24	12		PT9, Leg 3	09
Comments	s: No issues									
10	213740247	180850	13.25	67.84	1012.7	078/31	10		PT10, Leg 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	213741169	182733	13.33	69.38	1013.5	087/16	10		PT11, Leg 3	11
Comments	s: No issues									
12	212350442	184142	13.22	70.48	1012.9	079/22	12		PT12, Leg 3	12
Comments	: No issues, Henning	transmitted to	GTS vis EDIS; req	uired CCA		•				
13	212350442	190226	12.50	69.49	1011.7	049/11	10		PT13, Leg 4	13
Comments	s: End of drop set at 2	84.75 sec; Henr	ning transmitted t	to GTS via EDIS	!					-
14	212340594	192706	12.50	67.98	1009.8	089/30	10		PT14, Leg 4	14
Comments	s: No issues; Henning	transmitted to	GTS vis EDIS	•	•	,	•	<u>I</u>		
15	212350179	195046	12.52	66.50	1011.8	087/16	10		PT15, Leg 4	15
Comments	s: No issues; Henning	transmitted to	GTS via EDIS; LAS	ST REPORT	•					1
Comments	s:	•			•	•				
Comments	s:									
Comments	S:									-
Comments	s:									
Comments	3:									