

Dropwindsonde Scientist Log

Storm:	Keefer	Flight ID:	20200908H	Mission ID:	2006A	Takeoff:		Landing:	
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Dropsonde Scientist(s):	Jim Zhang
AVAPS Operator:	

Pre-flight

Not Started Discuss the pattern with the Lead Project Scientist (LPS) and ensure that enough dropsondes are onboard.

Not Started 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"...

Not Started 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.

Not Started 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.

Not Started 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.

Not Started 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/k)	Lowest Wind Height (m)	AXBT SST (°C)	Eye, Eyewall, Rainband, etc.	Ob #
11	204840562	113806	28.57	EW <i>EB 20</i>	987.9	34053				10 ✓
Comments: <i>Mid PT - EW Subband</i>										
12	204840508	114242	28.56	EW <i>EB 25</i>	979.7	33564				11 ✓
Comments: <i>RainW 1 ✓ Inband</i>										
13	221240705	114324	28.55	65.79	977.3	34066			<i>when</i>	12 ✓
Comments: <i>RainW 2 W side inband</i>										
14	221240714	115206	28.60	65.30	964.3	14618			<i>when</i>	13 ✓
Comments: <i>Center end</i>										
15	221240285	115815	28.57	64.84	971.0	12567			<i>when</i>	14 ✓
Comments: <i>RainW 1 E side</i>										
16	221030251	115800	28.57	64.80	972.1	13073			<i>when</i>	15 ✓
Comments: <i>RainW 2 E side</i>										
17	---	120556								
Comments: <i>Mid PT E side</i>										
18	221240722	120644	28.57	64.21	988.8	16056				16 ✓
Comments: <i>Mid PT E side</i>										
19	---	122001								
Comments: <i>End point E E side</i>										
20	204840471	124335	30.07	64.47	996.3	34054 <i>109542</i>		28.88		18 ✓
Comments: <i>End PT NE - steady inband. Late center end signed. NE to SW</i>										

