

Dropwindsonde Scientist Log

Storm:	<i>FRD</i>	Flight ID:	<i>0906H1</i>	Mission ID:	<i>1206A</i>	Takeoff:		Landing:	
--------	------------	------------	---------------	-------------	--------------	----------	--	----------	--

Dropsonde Scientist(s):	<i>J. Zhang</i>	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.

Storm: *Paul Ty*Flight ID: *09061*Mission ID: *1206A*

Page 2 of 4

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	210850284	091836	21.91	64.48	1008.3	22027				1 ✓
Comments: <i>IP SB</i>										
2	204820421	093014	22.65	64.93	1024.4	20037				2 ✓
Comments: <i>mid SB</i>										
3	22150272	094147	23.41	65.39	999.5	13531				3 ✓
Comments: <i>center - no rain</i>										
4	221240703	094943	23.81	65.85	1003.5	03544				4 ✓
Comments: <i>RMM1 NW</i>										
5	221220209	095017	23.83	65.89	1004.1	01542				5 ✓
Comments: <i>RMM2</i>										
6	221030140	095050	23.85	65.92	1005.1	05044				6 ✓
Comments: <i>RMM3</i>										
7	221250044	095519	24.07	66.17	1005.8	03545				7 ✓
Comments: <i>mid NE</i>										
8	221220336	100629	24.75	66.59	1010.6	05035				8 ✓
Comments: <i>End NB</i>										
9	205050397	102539	25.00	66.52	1023.0	04529				9 ✓
Comments: <i>Sonde spiral - FRD - check</i>										
10	221220209	105741	23.52	67.20	1010.7	35526				10 ✓
Comments: <i>End West - going East →</i>										

Storm: *Sam*Flight ID: *090641*Mission ID: *1206A*Page *3* of *4*

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	220850220	111038	23.48	66.31	1004.7	00545				11 ✓
Comments: <i>midp - W 111</i>										
12	22125034	111745	23.50	65.77	998.9	06023				12 ✓
Comments: <i>center (missed w Rmw)</i>										
13	221220334	112710	23.50	65.05	1003.3	16527				13 ✓
Comments: <i>RMW E 1</i>										
14	221220206	112744	23.50	65.00	1002.4	14527				14 ✓
Comments: <i>RMW 2</i>										
15	211050708	112816	23.499	64.97	1004.0	15027				15 ✓
Comments: <i>RMW 3 2</i>										
16	210850290	133706	23.48	64.31	1006.6	14536				16 ✓
Comments: <i>mid p E 441</i>										
17	200050242	114424	23.56	63.90	1009.0	13529				17 ✓
Comments: <i>SWb p. E 114424</i>										
18	203250870	120711	24.67	64.42	1011.1	0941		28.70		18 ✓
Comments: <i>Comba End NB 101</i>										
19	200620030	121115	24.24	65.02	1005.3	07536				19 ✓
Comments: <i>210620030</i>										
20	221220385	121142	24.22	65.05	1006.0	07038				20 ✓
Comments: <i>failed RMW</i>										

SST? 113654 - also on bad sonde

2nd BT 28.55°U

Storm: EURL

Flight ID: 20200606A1

Mission ID: none

Page 4 of 4

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 #
21	22122035	121448 123644								
Comments: failed - RMW3 NO data										
22	22122038A	123443	24.16	65.08	1005.7	07541				22 ✓
Comments: RMW out bound 7L Am										
23	221060180	124108	24.47	64.76	1009.3	10041				23 ✓
Comments: MOD PT 1241 ✓ Am out bound										
24	221210171	131139	24.60	64.93	1009.6	09039				24
Comments: RMW in bound - 3rd leg PLAN (1233) - (Late) launch to detect										
25	221010249	132836	23.69	65.60	1001.8	07515				25
Comments: Center 1328										
26		125183								
Comments: MOD P SW - Bad track - 1342 - first bad - Bad data -										
27	221210175	134946	22.95	66.41	1008.0	33025				26
Comments: backup for EP - late launch device - LORA report.										
Comments:										
Comments:										
Comments:										