

Dropwindsonde Scientist Log

Storm:	Bear	Flight ID:	2020908H	Mission ID:	2006A	Takeoff:		Landing:	
---------------	------	-------------------	----------	--------------------	-------	-----------------	--	-----------------	--

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.

Storm: *Fowl*Flight ID: *090841*Mission ID: *2006A*

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	210530946	100950	26.81	64.11	1006.3	20553	10	27.53 <i>at 500m</i>		01 ✓
Comments: <i>IP SE - NW 6x</i>										
2	203250854	102200	27.53	64.63	989.8	20049	10			02 ✓
Comments: <i>MID SE</i>										
3	221250032	105502	27.67	64.78	987.3	21552			<i>SE</i> eyewall	03 ✓
Comments: <i>RNW 1 SE</i>										
4	221240289	105336	27.70	64.81	986.0 986.0	21057 21057			<i>SE</i> eyewall	04 ✓
Comments: <i>RNW 2 SE</i>										
5	221210182	103700	28.34	65.30	966.4	22509		27.94	SE center	05 ✓
Comments: <i>LEW 1</i>										
6	220840761	104411	28.78	65.60					<i>RNW 1</i>	<i>band</i>
Comments: <i>failed failed 61% Altitude failed smoothing failed for U, unmode dynamically adjust wind</i>										
8	221240290	104904	29.08	65.80	988.6	03041			SE	08 ✓
Comments: <i>MID NW NE</i>										
7	221210176	104444	28.82	65.62	977.4	03063			<i>NW</i> eyewall	07 ✓
Comments: <i>eyewall RW 2 - should be 7 NW</i>										
9		105956								
Comments: <i>End of NE - no T, RH data - data ends at 3103m</i>										
10	221240696	122356	28.54	67.28	1000.4	32042				09 ✓
Comments: <i>End of. to starting from west</i>										

Storm: *Bawl*Flight ID: *090841*Mission ID: *2006A*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 #
<i>11</i>	<i>204840562</i>	<i>113806</i>	<i>28.57</i>	<i>65.20</i>	<i>987.9</i>	<i>34053</i>				<i>10</i> ✓
Comments: <i>Mid PT - AV-18 inbound</i>										
<i>12</i>	<i>204840562</i>	<i>114242</i>	<i>28.56</i>	<i>65.85</i>	<i>979.7</i>	<i>33564</i>			<i>Wen eyewall</i>	<i>11</i> ✓
Comments: <i>RMMV1 ✓ inbound</i>										
<i>13</i>	<i>221240705</i>	<i>114324</i>	<i>28.55</i>	<i>65.79</i>	<i>977.3</i>	<i>34066</i>			<i>Wen eyewall</i>	<i>12</i> ✓
Comments: <i>RMMV2 W side inbound</i>										
<i>14</i>	<i>221240714</i>	<i>115006</i>	<i>28.60</i>	<i>65.30</i>	<i>964.3</i>	<i>14518</i>			<i>Center</i>	<i>13</i> ✓
Comments: <i>Center 2nd</i>										
<i>15</i>	<i>221240285</i>	<i>115815</i>	<i>28.57</i>	<i>64.84</i>	<i>971.0</i>	<i>12567</i>			<i>East eyewall</i>	<i>14</i> ✓
Comments: <i>RMMV1 East</i>										
<i>16</i>	<i>24030251</i>	<i>115800</i>	<i>28.57</i>	<i>64.80</i>	<i>972.1</i>	<i>13073</i>			<i>East eyewall</i>	<i>15</i> ✓
Comments: <i>RMMV2 East</i>										
<i>17</i>		<i>120556</i>								
Comments: <i>Mid PT East midday wind - no wind -</i>										
<i>18</i>	<i>221240723</i>	<i>120644</i>	<i>28.57</i>	<i>64.21</i>	<i>988.8</i>	<i>16056</i>				<i>16</i> ✓
Comments: <i>Mid PT East</i>										
<i>19</i>		<i>122002</i>								
Comments: <i>End point & haul sonde</i>										
<i>20</i>	<i>204840417</i>	<i>124335</i>	<i>30.07</i>	<i>64.47</i>	<i>996.3</i>	<i>109542</i>		<i>28.88</i>		<i>18</i>
Comments: <i>End PT NE - steady inbound. Late launch signal NE to SW</i>										

Storm: **Jam**

Flight ID: **0908H1**

Mission ID: **2006A**

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	203210882	125245	29.57	64.88	940.3	09046				19 CCA
Comments: Mid P NE Late launch do CCA for time temp drop time										
22	221210620	130220	28.98	63.15	971.3	07062			eyewall	20
Comments: NE RHW1										
23	204850433	130240	28.94	65.15	970.2	06570			NE eyewall	21 CCA
Comments: NE RHW2 Late launch detection (convert time)										
24	221210031	130624	28.68	65.15	965.3	31004			center	22 CCA
Comments: Late launch detection - convert time to temp drop CCA										
25	209950404	131344	28.24	65.44	976.4	27575			SW eyewall	23 CCA
Comments: RHW SW Late launch detect convert time										
26	204820430	131856	29.95	65.63	988.7	26544				25 CCA
Comments: Mid P SW Late launch convert time CCA report										
27	204840560	132257	27.10	66.15	1000.4	25542				26 CCA
Comments: SW P7 last report Late launch detection - convert time CCA last report										
Comments:										
Comments:										
Comments:										
Comments:										