

M423RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm Katia Dropwindsonde Scientists Jason Dunin/Morgan Page 2 of 2
 Flight ID 110906N1 Flight Director Rich Henning Takeoff from MacDill at 1100 UTC
 Mission ID WA13A AVAPS Operators Mike Mascaro/Steven Paul Recovery at MacDill at 1930 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1	101935281	1248	30.46	69.83	1014.2	060/17 10			5-10%RH 300-550/20% 650-850	01
1A	101655131	1303	29.29	68.08	1011.5	045/24 10			45-50%RH 650-900mb	02
1B	101655084	1309	28.83	67.42	1010.4	040/29 10			Double wind max 550/850mb conc. w/ dry layers	03
2	101655165	1317	28.32	66.59	1004.9	035/47 10			Another double wind max (600/850mb) 80kt/70kt maxes 70% RH at wind max	04
2a	101715136	1330	29.79	66.15	1012.1	010/24 10			32% RH @ 600mb, 10% RH @ 800mb	05
3	103515349	1339	30.62	65.79	1015.1	090/23 10			Max winds 900-500mb 15% RH @ 250mb, 450mb	06
3a	102145115	1346	29.96	65.56	1013.0	090/30 10			750mb Wind Max 35kt	07
3b	101655137	1355	29.00	65.34	1009.1	045/33 10			140-15% @ 400mb - Wind Max 500mb 24% RH @ 400mb and 900mb	08
4	101715169	1402	28.29	65.07	1004.4	090/51 10			Wind Max 250mb, 400mb Dry 15% RH @ 350mb	09
4a	101715178	1416	29.17	63.41	1013.3	115/25 10			Deep Moisture, Slight Dry Layer @ 700-650mb Only 65%-70% RH through 600-550-900	10
5	101655176	1427	29.85	61.95	1017.6	110/25 10			dry sounding, 55m/s jet 850mb (collected dry slot)	11
5a	101655171	1441	26.63	62.93	1013.1	135/36 10			700mb dry slot (65% RH) TIMU at base of slot double wind max 550+900mb	12
6	101655219	1454	27.19	63.99	1006.1	130/48 10			Dry 400mb, 600mb, 800mb all 20% RH Wind max @ 200mb at 1000ft, Moist layer 2400ft	13
6a	101715140	1509	25.62	63.17	1012.0	150/31 10			Relative Pressure @ 950-1000mb 270% otherwise moist sounding, 80kt winds 84kt @ 500mb	14
7	102025126	1520	24.56	62.52	1013.6	155/20 10			Dry layer 400-500mb, 10-15% RH, Moist 3500mb Wind max @ 350mb, 48kts	15
7a	103125317	1533	25.01	64.10	1010.7	145/29 10			Dry Layer 700-350mb, 10-30% RH	16
8	102535066	1546	25.46	65.69	1003.8	200/44 10			Dry Layer 550-400mb, 10% RH Wind Max 42kt @ 200mb, 40kts @ 600mb	17

