

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm Katia Dropwindsonde Scientists Jason Dunin / Morgan Page 1 of 2
 Flight ID 110906N1 Flight Director Rich Henning Takeoff from MacDill at 1100 UTC
 Mission ID WA12A 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 coins 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 70-90 RH at wind max	04
2a	101715136	1330	29.79°	66.15°	1012.1	060/24 10			32% RH @ 600mb, 10% RH @ 400mb Max Winds 900-500mb	05
3	103515349	1339	30.62°	65.79	1015.1	090/23 10			15% RH @ 250mb, 450mb 750mb Wind Max 35kt	06
3a	102145115	1346	29.98°	65.58	1013.0	090/30 10			80-15% @ 400mb - Wind Max 500mb ~40% RH @ 450mb and 900mb	07
3b	101655137	1355	29.00°	65.34	1009.1	045/33 10			Wind Max 250mb, 40kts Dry 15% RH @ 350mb	08
4	101715139	1402	28.29°	65.07	1004.4	090/51 10			Deep Moisture, Slight "Dry" layer @ 700-650mb Only 65%-70% RH though, 60kt 550-900mb	09
4a	101715178	1416	29.17	63.41	1013.3	115/25 10			dry sounding: 55m/s jet 850mb (collocated dry slot)	10
5	101655176	1427	29.85	61.95	1017.6	110/25 10			700mb dry slot (65% RH). T/NV at base of slot double wind max 550+900mb	11
5a	101655171	1441	28.63	62.93	1013.1	135/36 10			Dry 400mb, 600mb, 800mb all ~20% RH Wind min @ 250mb or 410kts, Moist layer 2400mb	12
6	101655219	1456	27.18	63.99	1006.1	130/48 10			Relative Dryness @ 950-700mb ~70%, otherwise moist sounding, Rak Winds 84kt @ 500mb	13
6a	101715190	1509	25.62	63.17	1012.0	150/31 10			Dry layer 400-500mb, 10-15% RH, Moist 350mb and up Wind max @ 350mb, 48kts	14
7	102025128	1520	24.56	62.52	1013.6	155/20 10			Dry Layer 700-350mb, 10-30% RH	15
7a	103125317	1533	25.01	64.10	1010.7	145/29 10			Dry Layer 550-400mb, 10% RH Wind Max 42kts @ 200mb, 46kts @ 800mb	16
8	102535066	1546	25.46	65.69	1003.8	200/44 10			Shallow wind maxs 250/450mb (70-80kt) dry slot 650-850mb	17

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Flight ID _____ Flight Director _____ Takeoff from _____ at _____ UTC

Mission ID	AVAPS Operators	Recovery at	at	UTC

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