

N49RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm TUAN Dropwindsonde Scientists LANDORSEA Page 1 of 2

Flight ID 040911n2 Flight Director MARTY MAYNEUX Takeoff from MacDill at 1723 UTC

Mission ID NOAA 9 2109A AVAPS Operators JIM ROLES/AL GOLDSTEIN/DALE Recovery at MACDILL at 0142 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	DLM wind (kt)	Comments	700 mb RH	SATCOM tries	Ob #
Had to reboot		~1745Z	System froze up								
1	034555161	180606	24.00	79.50	1011.6	80°-19kt	7	75°-15kt 30% Cu Late winds 70s	42	✓ 11	1
2	034918053	182351	22.26	78.03	1011.0	85-13	7	95-17 80% Altostr.	90	✓ 1	2
3	033048173	183834	22.08	76.05	1010.5	100-20	7	130-11 1% CIRRUS	72	✓	3
4	033048171	185343	23.44	75.93	1013.0	85-15	7	85-6 10% Cu Late winds 60s	36	✓	4
5	034555176	190716	23.43	74.06	1011.8	100-14	7	160-1 10% Str Cu	36	✓	5
6	033048137	192319	22.06	73.93	1011.8	110-18	4	185-6 Cirrus below NO RH Flip Flop superadiabatic layer 680-725 mb	65	✓ 1	6
7	033518016	193528	22.00	72.15	1011.8	95-14	11	215-5 Cirrus below NO RH Flip Flop	56	✓	7
8	033048166	194923	20.56	70.99	1010.3	100-17	7	190-4 Cirrus below Late winds 45s RH flagged to 90s	22	✓	8
9	033415327	200342	21.03	69.02	1011.2	125-8	7	200-4 Cirrus below Free fall keeping wind for 105s, then good Late winds 65s	45	✓	9
10	033518026	201725	22.50	68.00	1012.1	105-8	7	255-4 Cirrus below RH flagged to 90s	42	✓ 11	11
11	03415324	203032	23.86	67.00	1012.4	85-9	7	265-8 Thin Cirrus below 10% Str Cu Lost winds 720-860s RH flagged to 100s	15	✓	10
12	033415330	204649	21.98	66.00	1011.4	105-9	4	245-8 In cirrus Late winds 45s PRT noise 30-45s RH flagged to 120s	39	✓	12
13	033048167	210241	20.01	66.04	1011.1	75-9	4	240-6 Cirrus below Late winds 45s RH flagged to 90s	56	✓	13
14	034555167	212401	18.49	68.02	1010.5	135-13	11	205-5 In cirrus most winds missing RH flagged to 90s	56	✓	14
15	034555108	214446	17.04	70.01	1010.5	90-6	7	150-6 Thin cirrus 10% Str Cu RH flagged to 90s	19	✓ 11	15
16	033118059	220229	17.40	72.00	1010.4	95-12	7	160-9 In CIRRUS NO RH Flip Flop - use RH2 SAL?	15		16

192 18° 06' 74° 11' Alpha freq
2217Z 1808 7429

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Storm IVAN Dropwindsonde Scientists LANDSEA Page 2 of 2
 Flight ID 04091162 Flight Director MAVEAUX Takeoff from MacDILL at 1723 UTC
 Mission ID NOAA 2109A IVAN AVAPS Operators ROLES/GOLDSTEIN/DALE Recovery at MacDILL at 0142 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	DLM wind (kt)	Comments	700 mb	SATCOM tries	Ob #
17	034555109	222003	17.81	74.00	1009.2	110-16 7	160-19	IN CIRRUS HEAVY WIND R NEAR SFC	82%	✓	17
18	033415200	223750	18.42	75.77	1008.5	125-33 25	160-32	IN CIRRUS RH Plugged to 1105	87%	✓	18
19	034955025	225414	17.47	76.94	1006.0	135-28 7	185-37	IN CIRRUS NO RH PUP PLOP ^{super adiabatic} near sfc	81%	✓	19
20	034555166	231014	16.56	78.56	1000.6	185-32 7	225-41	IN CIRRUS FLAG RH TO 1405	82%	✓	20
21	034555107	232545	16.89	80.34	997.4	265-35 5	245-43	IN CIRRUS FLAG RH ^{delebed} TO 110 RH lost ab	74%	✓	21
22	034555111	234119	18.29	81.49	1000.9	335-32 8	10-46	Slightly Dark Spotty wind 800-8505	76%	✓	22
23	034555182	235634	19.97	81.11	1002.8	45-34 7	55-43	Modestly Dark FLAG RH to 1205	70%	✓	23
24	033048170	001059	20.00	83.00	1006.1	30-22 4	40-27	Intermittently Dark w LIGHTING only 1 RH sensor	79%	✓	24
25	034555181	002558	20.06	84.91		Very few winds		Naturally Dark Very Late Backup data - launched	Not processed		
25A	034555177	002658	20.17	84.96	1007.8	40-15 7	50-17	" " Winds missing 120-2705	33%	✓	25
26	034555175	004036	21.77	84.56	1008.6	20-8 13	55-14	Dark with artificial sweeteners late winds 505	56%	✓	26
27	034555174	005943	24.00	84.00	1010.7	85-22 2303	50-10	Dark with a twist nowinds after 7105	52%	✓	27
28	034555103	011638	26.01	83.48	1012.1	50-15 4	45-7	DARK! Nowinds 180-6605 LAST		✓	

Fix - 18°10' 7943