

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

Storm IVAN Dropwindsonde Scientists Jason Dunton Page 1 of 2
 Flight ID 040908N Flight Director Marty Mayeux Takeoff from MacDill at 1728 UTC
 Mission ID 0909A IVAN AVAPS Operators Dale Carpenter / Jim Rolles Recovery at MacDill at 0111 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	SATCOM tries	Ob #
1	033048068	194713	22.862	74.417	1012.3	095/14 5	14	Scattered mid-level cirrus below	11	1
2	033048059	190846	21.416	72.166	1011.3	090/16 7	14	5% Scattered Cu 5-35% RH 200-350mb	1	2
3	033048072	192908	22.082	70.081	1010.4	095/14 7	9	5% Scatt Cu ~45kt IVAN outflow (S) 10kt SE @ 250mb Flt level - 200mb	1	3
4	033048058	194923	18.739	68.093	1009.8	NA 8	13	undercast 10-40% RH 300-700mb 35-40kt outflow (S) ~200mb	1	4
5	032815028	200830	16.911	69.297	1009.3	100/26 7	21	undercast 350-600mb → 5-30% RH	1	5
6	033415090	202106	16.882	67.793	1009.1	080/20 7	26	Under-cast SAL → 10-50% RH 400-700mb Cbs just ahead above FL lev (~50,000 ft)	1	6
7	032815147	203631	15.789	66.049	1008.6	110/26 4	33	undercast	1	7
8	032815069	205542	15.916	64.147	1010.3	NA 7	24	Undercast	1	8
9	032335155	211410	14.219	65.405	—	—	—	Undercast LOST WINDS BACKED UP		X
10	004255308	211632	14.081	65.646	1005.5	090/37 5	38	Undercast RH sensors did not oscillate	1	9
11	004255180	213337	12.234	66.090	1004.8	175/17 4	27	Undercast RH sensors did not oscillate	1	10
12	033415245	214859	11.190	67.590	1004.2	270/16 5	17	undercast	1	11
13	033048073	221735	12.276	70.916	1006.2	350/18 8	14	undercast	1	12
14	033048109	223222	14.004	71.482	NA	NA NA	18	undercast sonde did not reach stc	1	13
15	033415066	224730	15.797	71.021	1008.5	075/22 4	24	mod cirrus below / 5% low Cu	1	14
16	033415234	230256	16.883	72.715	1009.4	095/16 4	14	40% low stratocumulus SAL → 30% RH 600-725	1	15
17	033048030	231851	18.030	74.437	1009.7	340/11 7	10	10% low Cu	1111	16

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