

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

Storm Ivan Dropwindsonde Scientists Jason Dunion / Jeff Hawkins Page 1 of 2
 Flight ID 040909N Flight Director Marty Mayeux / Jack Parrish Takeoff from MacDill at 1728 UTC
 Mission ID 1209A IVAN AVAPS Operators Dale Carpenter / Jim Rolles Recovery at MacDill at 0137 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	033048061	184441	23.501	73.999	1014.5	090/18 4	8	10% low Cu 400-750 mb 10-40% RH	11	01
2	033048052	190447	22.431	71.525	1012.4	095/16 4	7	20% low Cu drop out → 420-500s	1	02
3	033415087	192642	20.035	71.401	1010.6	085/22 4	19	undercast SAL → 10-30% RH 700-400mb Hawkins sonde	1	03
4	033415320	194457	19.951	69.022	1011.6	100/20 7	14	undercast	11	04
5	033415093	200157	18.206	68.102	1010.6	105/15 4	19	undercast	1	05
6	033415391	202749	17.680	70.997	1010.0	070/29 4	34	undercast	1	06
7	033415089	204302	16.035	70.448	1006.1	125/29 4	39	undercast	1	07
8	033415095	210003	15.942	68.326	—	—	—	undercast no winds early- backed up		X
9	033415099	210150	15.754	68.250	1007.8	105/22 7	27	undercast RH sensors not oscillating	1	08
10	033845019	211623	14.054	68.330	1007.6	110/24 4	22	undercast RH sensor not oscillating Sat dropout 180-240 sec winds missing	1	09
11	033048062	213845	14.209	71.063	1003.9	170/41 7	39	undercast	11	10
12	033415096	215405	13.165	72.583	1004.4	250/28 5	26	undercast	11	11
13	033845022	220845	13.173	74.434	NA	NA -1?	14	undercast Sfc read "-1m" → Sfc set as missing	1	12
14	033845075	222306	14.258	75.924	1007.3	030/15 4	15		111	13
15	033845029	223734	15.980	76.533	1008.2	005/13 4	15	mod cirrus / low Cu	1	14
16	033845028	225637	17.001	78.893	1008.5	010/06 7	8		1	15
17	033845077	231941	19.450	77.472	1010.0	060/05 4	12	undercast	1	16

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