



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

Storm IRENE Dropwindsonde Scientists JASON DUNION Page 1 of 2
Flight ID 050807N Flight Director BARRY DAMIANO Takeoff from BARBADOS at 1450 UTC
Mission ID WX09A IRENE AVAPS Operators RAY TONG / Dale Carpenter Recovery at BARBADOS at 2200 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt)	hgt (m)	DLM wind (kt)	Comments	Processed	SATCOM tries	Ob #
1	010715151	154010	18.748	57.006					SAL RH heating cycles LOST WINDS - BACKED UP (GOOD RH) below 230 mb			X
2	010748100	154235	19.033	56.880	1015.6	NA	—	50/11	SAL 10-30% RH 600-850 mb no winds 261-306 mb + below 638 mb	1		01
3	010715149	155951	20.981	55.958	1015.8	070/16	8	65/11	SAL 420% RH 200-950	1		02
4	034325025	162713	21.833	52.542	1016.4	090/19	5	45/12	intermittent wind gaps; 5-10% RH 200-600 mb picked line moist below	1		03
5	011218006	163008	21.918	52.170	1016.5	080/16	8	45/12	5-10% RH 800-600 mb picked line moist below	1		04
6	010748091	163308	22.003	51.791	1016.0	NA	—	30/12	No winds below 881 mb; 5-10% RH 200-600 mb moist below	1		05
7	034325119	163609	22.089	51.407	1016.5	80/17	28	30/12	5-20% RH 200-600 mb 80% RH 600-650; dry slot 650-750	1		06
8	033048032	163908	22.172	51.031	1016.1	NA	—	10/15	RH heating cycles; no winds 400-510 SAL-like RH profile above 800 mb no winds below 686 mb	1		07
9	042115165	164207	22.254	50.654	1016.3	065/16	7	35/14	SAL-like sounding picked line	1		08
10	010748105	170922	N/A	N/A					NO LAUNCH DETECT - no telemetry data			X
11	011245055	171112	22.998	46.929	1015.9	055/15	8	70/15	dry above ~ 550 mb 90% RH below ~ 550 mb	1		09
12	034323166	174422	22.813	42.498	1017.6	100/23	13	170/13	RH heating cycles; poor telemetry; spotty winds 35% RH 700-950 mb; 40-50% RH 737-770 mb 85% 400-700; 15% RH above 400 mb	1		10
13	010748102	175519	22.722	40.990	1018.3	105/16	7	175/14	35% RH 600-900 mb	1		11
14	034113024	175850	22.689	40.497	1018.0	095/18	4	180/12	35% RH 600-900 mb	1		12
15	010748103	180221	22.655	40.001	1018.8	085/18	8	155/09	35% RH 600-900 mb; moist above bte winds 70 S; bad/no telemetry + no winds 600 mb 10-40% RH 550-900 mb	1		13
16	034323169	180555	22.619	39.501	1018.8	065/16	4	160/07	10-40% RH 550-900 mb	1		14
17	010715216	180931	22.581	39.005	1019.5	55/14	29	165/07	10-35% RH 500-900 mb	1		15

2

