

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

Storm Isabel Dropwindsonde Scientists Jason Dunion Page 1 of 2
 Flight ID 030914n Flight Director Jack Parrish Takeoff from St. Croix at 1729 UTC
 Mission ID 0913A Isabel AVAPS Operators Dave Bryan Recovery at St. Croix at 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	023535351	181944	20.658	60.001	1014.4	160/11 8	8	Cirrus below	1	1
2	024125130	183644	22.561	60.139	1012.9	na 4	8	20% low Cu 10% RH at 600mb (shallow) no winds below ~1000mb	111	2
3	023555085	190427	24.028	63.353	1005.4	140/31 8	31	thin Cirrus below 20% RH at 650mb 25% RH 650mb pass press bias: -24mb	1	3
4	024125075	192157	26.039	64.236	na	na 8	na	thin Cirrus below 40% Cu 10% RH 300-500mb	111 11	4
5	023535224	194033	27.041	66.510	—	—	—	thin Cirrus below 30% Cu sonde failed		X
5a	022625138	194214	27.219	66.628	na	100/45 890mb	35	thin Cirrus below 30% Cu Flayed Press: 140-400s RH: 0-380s	111 111	5
6	023535235	200402	29.502	67.717	1015.2	90/23 5	16	opaque Cirrus below ~1000mb above 500	111	6
7	022625146	201615	29.500	65.889	1013.1	95/25 8	16	10% low Cu pass press bias: -2.5mb	111 111	7
8	023535221	203018	29.500	63.773	1016.0	85/18 7	12		111 111	8
9	022625145	204422	29.500	61.692	—	—	—	Undercast, possible rainband drop sonde failed		X
9a	022625143	205229	29.504	60.354	na	100/22 915mb	8	80% low Cu Sonde did not reach stc	1	9
10	023535238	210149	29.503	59.133	1017.9	90/21 7	11	Schutrus below RH Jumpy 50-750mb	111	10
11	022625176	211307	29.447	57.479	1018.3	70/19 5	13	20% low Cu no data below 915mb very dry above 850mb 5-2090	111 111	11
12	024125073	213658	26.998	55.527	1015.8	40/19 5	17	30% low Cu very dry above 700mb	111	12
13	022625183	215856	26.99	58.36	1016.1	40/13 7	11	dark pass press bias: -2.1mb	1	13
14	024125079	222333	26.789	61.372	1015.6	115/5 8	10		1	14
15	023535390	224441	24.502	59.840	na	140/9 925mb	na	press failed at 781 mb	111 111	15

X

X

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Flight ID	0309147	Flight Director	Jack Parrish	Takeoff from	St. Croix	at	1728	UTC
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Mission ID	AVAPS Operators	Recovery at	at	UTC
0913A	Isabel	Dave Brogan	St. Croix	0111

[illegible]