N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm ISABEL Dropwindsonde Scientists Rogers Page 1 of 1

Flight ID 030913I Flight Director Flaherty Takeoff from St Croix at 1455 UTC

Mission ID WX13A ISABEL AVAPS Operators Smith Recovery at St Croix at 2130 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt)	hgt (m)	BT ~~SST~~ (°C) MBL	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1	022815011	164526	23.12	63.51	1004	0/38	25	5/46	NW outside storm	drop at 75 nm NW of eyewall	17
2	022928017	170327	22.55	62.34	958	329/110	80	340/121	NW eyewall	1st drop on inner edge of eyewall, spotty coverage	21
3	022815017	170335	22.55	62.22	956			340/146	NW eyewall	2nd eyewall drop; missing low-level wind 25C (@40 m)	23
4	022615278	172542	22.59	62.22		351/86	30	360/84	eye	drop in eye; dropping in possible meso; 25C (30m)	26
5	022815008	174847	22.4	61.76	939	175/122	49		eye	late launch detect; missing winds aloft	28
6	022625172	175422	22.41	61.69	950	125/156	61	140/162	SE Eyewall	dry layer b/w 875-890 mb	32
7	022918054	175435	22.40	61.67	953	138/176	196	140/171	SE Eyewall		34
8	022625167	194931	22.81	61.95	964	115/116	9	120/135	NE Eyewall	1st of 3 drops on inbound leg	45
9	022945080	195012	22.79	61.99	957	127/164	271	—	NE Eyewall	2nd of 3 drops	46
10	022815122	195139	22.74	62.08	938	120/146	104	120/145	NE Eyewall	3rd of 3 drops	48
11	022945074	200427	22.33	62.55	—	—	—	—	SW Eyewall	spotty reports, early splash detect, set heights to missing	51
12	022945010	200508	22.29	62.57	959	246/140	149	250/139	SW Eyewall	2nd of 2 drops on outbound	52