

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

Storm ISABEL

Dropwindsonde Scientists Rogers

Page 1 of 1

Flight ID 030913I

Flight Director Flakerby

Takeoff from St Croix at 1455 UTC

Mission ID VK13 AISABEL

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 (°) MBL	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1	022815011	164526	22.12	63.51	1004	0/38	25	5/46	NW out of eye	drop at 15 min NW of eyewall	17
2	022925017	170327	22.55	62.34	958	32/110	80	370/121	NW eyewall	1st drop on inner edge of eyewall, slightly concave	21
3	022855017	170335	22.55	62.22	956			340/112	NW eyewall	2nd eyewall drop, 4.5% in low level wind (25 @ 40 m)	23
4	022615278	172542	22.59	62.22		351/86	30	360/84	eye	drop in eye; dropping in possible waso (25 @ 30 m)	26
5	022815008	174847	22.4	61.76	939	175/102	49		SE eyewall	late launch defect in region of alt	28
6	022625172	175422	22.41	61.69	950	125/156	60	140/162	SE Eyewall	Dry layer below 875 @ 90 m	32
7	022918054	175435	22.40	61.67	953	138/176	126	110/171	SE Eyewall		34
8	022625167	194931	22.81	61.95	964	95/116	9	120/135	NE Eyewall	1st of 3 drops on inbound leg	45
9	022915080	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	17/125	NE Eyewall	3rd of 3 drops	48
11	022945074	200429	22.33	62.55					SW Eyewall	spotty reports, early report of rain	51
12	022945010	200508	22.29	62.57	959	246/140	149	289/139	SW Eyewall	2nd of 2 drops on outbound	52