

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

Storm Isabel Dropwindsonde Scientists Jason Dunion Page 1 of 2
 Flight ID 030917n2 Flight Director Jack Parrish Takeoff from MacDill at 1730 UTC
 Mission ID 2213A ISABEL AVAPS Operators Dave Brogan / Dale Carpenter Recovery at MACDill at 0136 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	DIM wind (kt)	Comments	Ob #
1	022928002	180246	29.982	79.450	1012.0	15/23 8	11	30% low Cu brought edge of dry cont air along E Coast → ~50% RH ~400-600 mb	1
2	024125317	182456	29.631	76.760	1009.0	345/30 70	25	undercast	2
3	022945228	184222	31.794	77.665	1009.5	005/34 7	20	undercast TS fore winds ~200mm WNW	3
4	023555053	190155	34.225	76.596	1014.0	25/32 8	22	60% low Cu/thin cirrus below	4
5	022945227	192244	35.398	73.863				late launch detect backed up	X
5a	022945223	192255	35.418	73.851	1014.1	70/29 8	28	undercast avaps picked up after 345	5
6	022945218	193534	37.056	73.132				AVAPS detect 2145 from launch undercast worse than 022 → went w/ 6a	X
6a	022928008	193534	37.056	73.132	1018.8	60/17 5	25	lost telemetry until 1500ft above sfc no winds / RH: 200-925mb	6
7	022945230	194657	38.492	72.420				only 16PS Sat → backed up	X
7a	022945214	194842	38.567	72.124	1021.4	60/20 7	11	undercast / LAUNCH DETECT POSSIBLY DELAYED 4.5 S / 20% RH BTWN 700-775mb	7
8	022945222	200401	39.028	69.469	1022.4	105/13 5	11	undercast 20% RH 650-850mb → polar / ridge	8
9	023555059	202239	40.295	66.911	1023.4	165/4 7	15	launch det poss delayed 3.5 S 15-20% RH 700-850mb → polar / ridge	9
10	022945224	204327	37.742	65.864	1022.3	110/13 8	5	undercast (cirrus) 5-30% RH 500-850mb → polar / ridge	10
11	022945125	210706	34.889	65.006	NA	120/20 1000mb	8	undercast fix good PTH after 830s 5-20% RH 400-700 mb → polar / ridge	11
12	022815009	212327	34.187	67.110	1017.6	110/22 7	18	undercast 5-30% RH 550-700mb	12
13	023235037	214537	36.460	68.616	1019.4	100/24 7	15	undercast ~20% RH 450-850mb	13
14	022928015	220254	35.915	70.979	1015.8	95/26 7	25	undercast 2-25% RH 700-850mb	14

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Takeoff from

MacDill at

UTC

Mission ID 2213A Tsobel

AVAPS Operators

Dave Broyan / Jack Parrish

Recovery at

MacDill

UTC

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