

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

Storm ISABEL Dropwindsonde Scientists Jason Dunton Page 1 of 2
 Flight ID 03091602 Flight Director Jack Parrish Takeoff from MacDill at 1738 UTC
 Mission ID 1813A ISABEL AVAPS Operators Dave Brogan/Dale Carpenter Recovery at MacDill at 0145 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	0222625191	181433	30.001	78.990	1011.9	75/24 5	5		11	1
1a	023555206	182326	30.760	77.999	1013.1	40/23 4	6	30% above 850mb (moist) 20% above 550mb (between)	1111	2
2	023535195	183245	31.449	76.893	1013.2	40/20 7	5	spotty data above 400mb backed up w/ 2a	not transmittable	X
2a	023235008	183650	31.260	76.361	1012.4	30/23 5	6		1	3
3	023235092	185213	30.762	74.530	1010.1	50/21 7	15	undercast	111	4
4	022625142	190851	32.897	74.273	1013.2	55/21 8	8	undercast	11	5
5	023128046?	192914	31.8	72.2	1011.7	85/23 7	20	undercast launch detect problem → AVAPS oper manually sent to HAPS	111	6
6	023235162	194015	33.253	72.333	1014.4	75/16 7	10	thin cirrus/20% low Cu	111	7
7	022615313	195309	35.008	72.495	1016.1	70/3 7	7	very moist thin spreading	1	8
8	023235002	201547	37.840	71.779	na	180/4 1000mb	19	cirrus layer below / dry from 400-700 mb 5% RH at ~600mb polar dry air nucleating	111	9
9	021735168	203141	36.476	69.995	1017.5	160/16 7	13	80% low Cu very moist thin spreading	111	10
10	023235001	205004	34.890	68.005	1017.5	115/20 7	11	undercast launch detect delay → 2775 5% RH 700-850mb T/wind flagged n-3005	1	11
11	023235010	211112	32.612	68.219	na	125/23 850mb	16	undercast 10-25% RH 500-700mb 100% press leveled suspect → flagged	111	12
12	023128049	212633	33.262	69.952	1015.5	105/23 8	16	undercast	111	13
13	023235011	214223	31.520	64.597	na	90/28 1000mb	31	undercast bad T° after 840s (near sec) 4 Flagged	111	14
14	023128051	220017	29.546	69.107	na	105/64 1005mb	51	undercast	1111	15
15	023235009	221828	28.332	67.034	1009.6	140/28 7	33	undercast / Iridium 2327	111111	16

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storm
Isabel

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