



1634 22 54 85 40 963 90 kt 2047 23 34 84 54
 1750 23 02 85 27 963 96 kt 2333 23 59 84 27 959 71 kt
 1905 23 19 85 16 961 96 kt 0112 24 15 84 08 938 114 kt
 2030 23 34 85 03 959 96 kt

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

Storm WILMA Dropwindsonde Scientists ABERSON Page 1 of 2
 Flight ID 051023N1 Flight Director FLAHERTY Takeoff from Savannah at 1816 UTC
 Mission ID 0024A WILMA AVAPS Operators ROGERS/BROGAN/CARPENTER Recovery at TAMPA at 0230 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt)	hgt (m)	DLM wind (kt)	Comments	Processed	SATCOM tries	Ob #
1	042115062	184034	30.56	78.86	1006.5	19011	10	23536	Cloud below; RH heating cycles			1
2	051926155	190351	28.00	78.00	—	—	—	—	RH heating cycles SC: some convection, bit of low winds			—
2A	053170012	190532	27.81	78.00	1006.5	15009	10	21026				2
3	053316003	192102	26.00	78.01	1006.2	—	—	20028	clear, Ci above, hot winds @ 894 mb			3
4	053316004	194759	23.40	79.97	1003.1	13021	16	18035	few winds, 858-881 mb near land area; spotty winds 633-738 mb; RH heating cycles			4
5	044135201	220630	19.05	79.99	1006.5	24014	10	20018	near tall convection; RH heating cycles			5
6	044135224	222850	21.21	81.72	1002.4	20030	10	21537	Ci above, SC below; RH heating cycles			6
7	051926157	224228	21.25	83.40	999.5	21033	10	24047	Top of Ci; RH heating cycles			7
8	051926158	230109	20.98	85.73	999.5	28033	10	28043	Then Ci convection below; RH heating cycles			8
9	053316001	231551	21.99	87.25	1001.2	29032	10	30539	Top of Ci, convection below			9
10	053316009	233101	21.55	89.13	1005.0	31026	10	30524	Then Ci, SC below			10
11	044135317	234928	23.02	90.93	1007.3	35022	10	31022	20% Ci			11
12	044535094	000620	24.91	89.97	1007.2	00528	10	31021	dark; RH heating cycles	1		12
13	044135202	002442	23.91	87.81	1001.4	34537	10	33032	RH heating cycles			13
14	051926160	003841	25.55	87.30	1002.1	36035	10	35525	RH heating cycles			14
15	043625196	005100	26.35	88.60	1006.4	01035	10	32017	RH heating cycles			15
16	051926154	010413	27.99	87.97	1008.0	02529	10	28016	superadiabatic 973-936 mb; RH heating cycles			16
17	044135223	011856	28.86	86.01	1008.3	03027	10	26017	Post winds 667-355 mb, 341-257 mb, 845-890 mb; RH heating cycles			17
18	044535150	013810	26.74	85.67	1001.6	02527	10	04520	some weak convection; RH heating cycles			18
19	051926159	014916	27.29	84.22	1002.0	05527	10	12516	amazing and strange; RH heating cycles			19