



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

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 Flight ID 1224A WILMA Flight Director Shepherd Takeoff from Mac Dill at 1815 UTC
 Mission ID 051020N2 AVAPS Operators Carpenter / Brogan Recovery at TIA at 20225 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	Processed	SATCOM tries	Ob #
1	003115174	184107	26.91	84.78	1012.6	105/13	10	165/08 extremely dry 350-550 mb late winds 1 min. RH heating cycles			2
2	002615307	190109	26.01	87.01	1011.5	090/15	10	165/06 10% Cu, RH heating cycles			1
3	002615320	192029	26.00	89.50	1010.6	090/9	10	320/02 RH heating cycles 30% Cu, some TCu, possible -2.1 mb pbias			3
4	012225154	193953	25.94	91.95	1010.8	035/10	10	040/10 RH heating cycles 10% Cu, -2.1 mb pbias, near rd 912-655 mb, 644-388 mb			5
5	01258011	195342	24.33	92.17	1010.5	—	—	305/08 RH heating cycles clear, -3.0 mb pbias, intermittent winds			4
5A	011378234	195827	23.78	92.22	1010.3	—	—	320/19 RH heating cycles 10% Cu, -2.8 mb pbias, moderate below 127 mb			6
6	012025049	200752	22.67	92.33	1009.3	360/12	10	360/12 20% Cu, possible -2.1 mb pbias			7
7	003135179	202150	21.00	92.46	1009.4	360/13	10	360/15 absolutely clear		1	8
8	002638080	203924	19.47	90.86	1007.2	—	—	005/22 noisy GPS signal started some convection, moderate below 878 mb		TH1	9
9	053316123	205154	20.91	90.42	1006.8	350/24	10	025/17 no cloud - 780-870 mb, 247-633 mb 20% Cu, near onshore Cb, -2.2 mb pbias RH heating cycles			10
9A	012625006	205633	21.47	90.27	1007.3	355/20	10	020/18 50% SCu, near onshore Cb			11
10	012225169	210606	22.63	90.00	1007.7	040/16	10	030/13 20% Cu, possible -2.1 mb pbias, only one wind above 240 mb			12
11	011315001	211811	24.00	89.75	1008.6	045/14	10	030/07 10% Cu, RH heating cycles		1	13
12	012598013	213424	23.97	87.51	1008.4	080/18	10	090/12 SCu above below, possible -2.1 mb pbias			14
13	051926048	214725	22.85	86.30	1007.0	075/25	10	095/24 RH heating cycles Cu above, SCu + SCu below, possible -2.2 mb pbias			15
14	002158075	220111	21.71	85.08	1005.8	070/30	10	115/32 in cloud, possible -2.1 mb pbias, RH heating cycles			16
15	012548007	221322	21.35	83.60	1005.8	120/28	10	135/30 RH heating cycles - sensor outages below 1000 mb, affecting in cloud, but TRH 10 mb heating cycles manually removed RH data		TH1	22



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Flight ID 1224 WILMA Flight Director _____ Takeoff from _____ at _____ UTC

Mission ID 051020N2 AVAPS Operators _____ Recovery at _____ at _____ UTC

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