



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

Storm RITA Dropwindsonde Scientist: N. DORST Page 1 of 2
 Flight ID 20050922N2 Flight Director PAUL FLAHERTY Takeoff from Mac DILL AFB at 1754 UTC
 Mission ID 1918A RITA AVAPS Operators J. SMITH, D. BROWN, J. ROLES Recovery at Mac DILL AFB at 0003 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 #
									(RH heating cycles except as noted)			
1	053166068	182345	25.62	84.19	1009.0	125°/23	4.2	170/29	UBLOX sonde 100% obscured; heaters off	✓	11	01
2	053116100	183830	24.04	85.04	1006.5	156°/21	7.3	180/29	UBLOX sonde 60% low cu in cloud	✓	1	02
3	000128001	185303	23.95	86.97	—	—	—	—	heaters off; poor/no telemetry + no winds 270-480 mb; intermittent winds below; telemetry lost at 910 mb			
3A	000345378	185821	23.40	87.30	1001.7	190°/25	7.1	210/38	40% low cu	✓	1	03
4	000345307	191020	22.13	88.02	1003.0	222°/17	4.4	226/24	Heaters off	✓	1	04
5	000345332	192712	23.69	89.38	997.5	252°/29	7.4	260/38	No data 220-235+845-883 mb	✓	1	05
6	994724150	194111	22.72	90.88	1002.2	307°/19	4.6	290/19	30% low cu	✓	1	06
7	000345287	195428	22.64	92.64	1004.1	325°/23	4.6	320/12	30% low cu	✓	1	07
8	000345271	201652	20.12	92.12	1005.3	303°/17	4.1	280/12	Late winds 95 s	✓	1	08
9	993215189	203150	20.93	93.98	1006.0	316°/21	5.0	295/8	20% low cu; noisy GPS ^{signal at upper levels}	✓	11	09
10	012615013	205151	19.12	95.62	1007.3	355°/10	7.8	315/8		✓	1	10
11	000335238	210735	20.99	96.04	—	—	—	—	Fast fall - No WINDS; heaters off			
11A	012025121	210846	21.09	96.15	1007.1	324°/16	13.5	300/9	VERY DRY 500-600 mb	✓	1	11
12	012625071	212121	22.01	97.49	1007.0	13°/06	4.8	340/4	"	✓	1	12
13	000345368	213525	23.00	96.00	1006.7	342°/16	7.7	030/7	No winds 630-730 mb; Near storm environment	✓	1	13
14	000345401	215024	23.82	94.30	1004.7	344°/29	7.9	005/11	Less dry	✓	1	14
15	000345319	220432	25.55	94.78	1003.6	19°/25	16.7	025/14	No winds 580-607+690-986 mb	✓	11	15

