



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

Storm BILL Dropwindsonde Scientists JASON DUNION Page 1 of 2
 Flight ID 090820N1 Flight Director Ash/Almeida Takeoff from BG1 at 0749 UTC
 Mission ID WX03A BILL5 AVAPS Operators Carpenter/Paul Recovery at BG1 at 1407 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 #
01	091459 249	0847	17.8	64.2	1007.1	300/05	12		dry above 500mb			01
01A	092 429 018	0857	18.5	63.2	1006.7	NA	NA		same, but w/ var RH below 700			02
01B	092 429 007	0907	17.3	62.2	1005.5	NA	NA		dry above 400mb, var below, but pretty moist			03
02	092 439 040	0916	20.0	61.1	1002.0	NA	NA		same, though wicked (46kt) w jet			04
02A	084 439 010	0927	19.7	59.7	1002.6	NA	NA		dryish slot 600-950			05
02B	092 429 112	0938	19.3	58.4	1007.4	NA	NA					06
03	092 429 107	0949	19.3	57.2	1010.5	NA	NA		super SAL 45kt jet (SE)			07
03A	092 429 001	1002	20.6	58.1	1007.9	NA	NA		very moist 84+kt S jet at 600mb			08
04	084 439 002	1017	22.0	59.2	1001.9	125/51	12		very strange RH profile flagged, but need to be looked at			09
04a	092 429 178	1026	23.0	58.6	1008.4	NA	NA		Nice SAL 650-850mb just east of inner core 86kt jet (SE)			10
04b	091 454 063	1031	23.5	58.2	1011.0	NA	NA		more dry core=650-850 wedge 72kt jet 600-600mb (SE)			11
04c	092 429 019	1036	24.0	57.8	1012.4	100/33	12		dry wedge, 60kt SE jet			12
5	091 459 116	1046	24.9	57.3	1014.8	NA	NA		dry 600-700 61% RH near sfc ACR cloud area dry Adiab below 850			13
5a	091 459 058	1054	24.6	58.3	1012.9	NA	NA		31kt E jet 625mb Funky Skew T Dry Adiab min 500mb down low			14
5b	092 429 159	1107	24.0	59.7	1008.7	085/41	12		dry slots below 700mb 81% near sfc 80kt jet SE			15
5c	091 519 008	1112	23.8	60.4	1005.8	085/41	12		dry adiab near sfc moist, but var below 500mb			16
6	092 429 080	1118	23.5	61.1	1002.9				3 pks of jets 575, 750, 900mb			17

