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

Storm: Bill | Dropwindsonde Scientists: JASON DUNION | Page 1 of 2

Flight ID: 090819N1 | Flight Director: Nancy Ash / Jackie Almeida | Takeoff from: BGI at 0750 UTC

Mission ID: WX03A BILL3 | AVAPS Operators: Dale Carpenter / Steve Paul | Recovery at: BGI at 1426 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	084 919 174	081955	15.4	60.4	1009.2	NA	NA		super dry above 556			01
01A	091 459 108	083927	16.9	58.5	1007.5	NA	NA		dry above 500, moist below except <80% RH below 950mb			02
01B	091 459 140	084724	17.4	57.8	1003.5	NA	NA		same profile FASTFALL winds Hoggard			03
2	091 459 148	085431	18.0	57.1	1002.7	NA	NA		52 kt NE winds 700mb			04
2a	091 459 243	090737	19.3	57.9	1006.5	NA	NA		FASTFALL			05
2b	091 519 016	092048	20.6	58.9	1009.8	NA	NA		Var RH below 600mb, very dry above 500mb no winds between ~275-950mb			06
3	091 459 113	093600	21.9	59.6	1011.9	055/21	10		SAL w/ dry above 30-35kt NE jet 925mb			07
3a	091 459 204	094902	21.4	58.0	1011.0	NA	NA		storm moistening, but very strong low-mid easterlies			08
3b	091 459 104	100536	20.8	56.1	1008.4	065/31	10		dry wedge 600-950mb 58-60kt windmax 880mb			09
4	091 519 005	102411	20.0	54.0	1007.2	NA	NA		winds spotty ~400-700mb			10
4a	091 459 106	104801	21.6	51.1	1014.2	115/19	12		var RH 650-sfc			11
4b	091 459 137	105743	22.2	49.9	1015.8	110/22	10		very dry near 500 nice outflow signature ~275mb+UP			12
5	091 459 253	111158	22.7	48.5	–	–	–		FASTFALL (BACKED-UP)			X
5bk	091 459 244	111417	22.5	48.6	1016.6	NA	NA		SAL 600-850, dry layer 400-550 TINV (~1.5C) at SAL base 30kt jet		600mb	13
5a	091 459 009	113313	20.5	49.8	1014.7	115/19	10	SAL	var, but dry deep ESE winds ~600-900mb ~30kt			14
6	091 459 160	115714	18.1	51.2	1011.1	135/23	10	to	VAR RH SAL advecting from			15
6a	091 459 141	122102	15.5	49.8	1012.9	NA	NA	EAST	var RH SE?			16

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7	091 459 136	124431	13.1	48.6	1013.7	105/11	12		dry (SAL under CDO?)			17
7a	091 459 156	131129	14.0	51.9	1012.3	NA	NA		var. dry			18
8	091 519 009	134222	15.0	55.5	1008.6	NA	NA		big SAL under moist CDO var though 35kt jet	SSW at 675mb		19
9	091 459 247	140213	13.9	57.7	1004.8	NA	NA		big SAL w/ dry air above			20