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

Storm: BILL  Dropwindsonde Scientists: JASON DUNION / Nancy Ash  Page 1 of 2

Flight ID: WX03A  Flight Director: Jackie Almeida  Takeoff from: BGI at 0400 UTC

Mission ID: 090818N1  AVAPS Operators: Dale Carpenter / Steve Paul  Recovery at: BGI at 1600 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 # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B | 01 | 084 419 082 | 082921 | 12.1 | 57.0 | 1010.1 | NA | NA | | SAL very dry w/ 30kt jet ENE | | | 01 |
| R | 01A | 085 119 032 | 085119 | 13.8 | 55.0 | 1012.0 | NA | NA | | dry above 850 30kt NE jet ~600-750mb | | | 02 |
| L | 01B | 083 259 185 | 090338 | 14.8 | 54.0 | 1009.9 | NA | NA | | SAL: dry 550-825 ~40kt jet 700mb NE | | | 03 |
| | 2 | 083 259 139 | 091409 | 15.7 | 53.1 | 1008.4 | NA | NA | | thin SAL at ~700b, moist otherwise 48-50kt 600-900 | | | 04 |
| | 2a | 091 459 077 | 093055 | 17.4 | 54.3 | 1010.4 | 040/29 | 10 | | super SAL, 4C temp inv 850mb 45kt NE jet 750-800mb | | | 05 |
| | 2b | 091 959 057 | 094750 | 19.0 | 55.6 | 1013.4 | 055/27 | 10 | | SAL 600-850, dry above 600mb temp inv x2 | | | 06 |
| | 3 | 083 259 071 | 100514 | 20.6 | 56.7 | 1015.8 | 055/21 | 10 | | Photos before + after same no mid-level jet bad WMO 176-170mb | | | 07 |
| | 3a | 091 459 246 | 102054 | 19.8 | 54.9 | 1014.0 | 060/23 | 12 | | same again, 4-5C TINV | | | 08 |
| | 3b | 084 919 173 | 103721 | 18.9 | 53.0 | 1012.2 | 055/32 | 10 | | holy SAL 4-4.5C TINV 42kt 20% RH at 880mb NE 800mb | | | 09 |
| | 3C | 091 519 007 | 104617 | 18.4 | 52.0 | 1010.6 | NA | NA | | SAL 600-850mb 14%RH 775mb | | | 10 |
| | 4 | 091 459 240 | 110448 | 17.5 | 49.9 | 1007.0 | 065/36 | 10 | | 80-98% RH 350-SFC | | | 11 |
| | 4a | 083 259 236 | 111827 | 18.3 | 48.4 | 1011.1 | NA | NA | | slight dry wedge 600-925mb | | | 12 |
| | 4b | 091 459 088 | 113243 | 19.1 | 46.7 | 1013.2 | NA | NA | | bigger SAL wedge 600-900mb | | | 13 |
| | 4C | 091 959 108 | 115600 | 20.0 | 44.7 | 1015.6 | 090/18 | 12 | | still bigger SAL wedge 600-750mb | | | 14 |
| | 5 | 091 959 115 | 120434 | 20.4 | 43.1 | 1016.5 | NA | NA | | dry top, moist 550-750, dry wedge moister below 28kt 550-650 kt | | | 15 |
| | 5a | 091 959 086 | 121748 | 19.0 | 44.0 | 1015.0 | 110/17 | 10 | | sal wedge | | | 16 |
| | 5b | 084 439 013 | 123320 | 17.4 | 45.0 | 1014.8 | 110/16 | 10 | | var RH, but moist | | | 17 |

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Flight ID: WX03A | Flight Director: Jackie Almeida | Takeoff from: BGI at 0400 UTC

Mission ID: 090818N1 | AVAPS Operators: Dale Carpenter / Steve Paul | Recovery at: BGI at 1600 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 # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 084 919 008 | 124849 | 15.7 | 46.0 | 1013.0 | NA | NA | | | | | 18 |
| 7 | 091 459 011 | 133521 | 10.8 | 43.3 | 1013.2 | 110/12 | 12 | | var RH, as low as 30% near 500+700mb | | | 19 |
| 7A | 091 849 303 | 135636 | 11.5 | 45.8 | 1012.4 | 145/14 | 12 | | var RH 45% at 800mb | | | 20 |
| 7B | 091 959 067 | 141638 | 12.2 | 48.1 | 1010.8 | NA | NA | | var RH, but moist | | | 21 |
| 8 | 091 849 149 | 143230 | 12.7 | 50.0 | 1009.3 | NA | NA | | Dry above 500mb, var below | | | 22 |
| 8a | 083 259 070 | 145109 | 12.5 | 52.4 | 1010.6 | NA | NA | | Same | | | 23 |
| 8b | 091 459 090 | 150859 | 12.3 | 54.7 | 1010.5 | NA | NA | | dry above 450mb, + below 500mb | | | 24 |
| 9 | 091959 112 | 152657 | 12.2 | 56.9 | 1010.8 | 030/08 | 12 | | super sal, w/ 3C TINV 20-25 kt AEJ (650-725mb) | | | 25 |