

83525 SBUL Uberlandia Observations at 00Z 28 Dec 2014

| PRES hPa | HGHT m | TEMP C | DWPT C | RELH % | MIXR g/kg | DRCT deg | SKNT knot | THTA K | THTE K | THTV K |
|-------------|-----------|-----------|-----------|-----------|--------------|-------------|--------------|-----------|-----------|-----------|
| 1000.0 | 104 | | | | | | | | | |
| 925.0 | 802 | | | | | | | | | |
| 910.0 | 922 | 25.0 | 17.0 | 61 | 13.58 | 80 | 8 | 306.3 | 347.4 | 308.8 |
| 905.0 | 973 | 26.4 | 16.4 | 54 | 13.13 | 45 | 11 | 308.2 | 348.3 | 310.6 |
| 883.0 | 1197 | 25.0 | 15.0 | 54 | 12.28 | 25 | 10 | 308.9 | 346.5 | 311.2 |
| 850.0 | 1545 | 22.8 | 12.8 | 53 | 11.04 | 80 | 7 | 310.0 | 344.0 | 312.1 |
| 832.0 | 1731 | 21.6 | 10.6 | 50 | 9.73 | 99 | 8 | 310.6 | 340.8 | 312.5 |
| 807.0 | 1992 | 19.1 | 10.4 | 57 | 9.92 | 125 | 10 | 310.7 | 341.5 | 312.6 |
| 765.0 | 2448 | 14.8 | 10.1 | 74 | 10.26 | 105 | 15 | 310.8 | 342.6 | 312.7 |
| 736.0 | 2778 | 11.6 | 9.9 | 89 | 10.51 | 121 | 12 | 310.8 | 343.3 | 312.8 |
| 720.0 | 2962 | 10.3 | 8.9 | 91 | 10.03 | 130 | 11 | 311.3 | 342.4 | 313.2 |
| 700.0 | 3197 | 8.6 | 7.6 | 93 | 9.44 | 115 | 11 | 312.0 | 341.4 | 313.8 |
| 665.0 | 3619 | 6.2 | 3.9 | 86 | 7.69 | 80 | 11 | 313.8 | 338.1 | 315.3 |
| 646.0 | 3857 | 4.8 | 1.9 | 81 | 6.82 | 90 | 12 | 314.9 | 336.6 | 316.2 |
| 641.0 | 3921 | 4.4 | 1.3 | 80 | 6.60 | 79 | 12 | 315.2 | 336.2 | 316.4 |
| 632.0 | 4036 | 4.6 | -3.4 | 56 | 4.73 | 60 | 12 | 316.7 | 332.1 | 317.6 |
| 627.0 | 4101 | 4.4 | -4.6 | 52 | 4.36 | 49 | 12 | 317.1 | 331.4 | 318.0 |
| 623.0 | 4153 | 4.7 | -15.8 | 21 | 1.79 | 40 | 12 | 318.0 | 324.2 | 318.4 |
| 618.0 | 4218 | 5.0 | -30.0 | 6 | 0.52 | 35 | 12 | 319.1 | 321.1 | 319.2 |
| 578.0 | 4762 | 4.2 | -43.8 | 2 | 0.14 | 349 | 9 | 324.4 | 324.9 | 324.4 |
| 508.0 | 5795 | -3.5 | -34.5 | 7 | 0.41 | 261 | 4 | 327.2 | 328.8 | 327.3 |
| 500.0 | 5920 | -4.3 | -24.3 | 19 | 1.08 | 250 | 3 | 327.7 | 331.7 | 327.9 |
| 488.0 | 6112 | -6.1 | -23.1 | 25 | 1.23 | 267 | 3 | 327.8 | 332.3 | 328.1 |
| 418.0 | 7302 | -15.4 | -35.6 | 16 | 0.44 | 15 | 1 | 330.6 | 332.4 | 330.7 |
| 400.0 | 7640 | -18.1 | -39.1 | 14 | 0.32 | 40 | 4 | 331.4 | 332.7 | 331.4 |
| 375.0 | 8117 | -21.7 | -44.4 | 11 | 0.20 | 70 | 10 | 332.8 | 333.6 | 332.9 |
| 372.0 | 8177 | -22.1 | -45.1 | 11 | 0.18 | 74 | 10 | 333.0 | 333.8 | 333.1 |
| 358.0 | 8455 | -24.6 | -40.5 | 22 | 0.31 | 95 | 10 | 333.3 | 334.5 | 333.3 |
| 345.0 | 8724 | -27.1 | -36.1 | 42 | 0.51 | 110 | 8 | 333.5 | 335.5 | 333.6 |
| 328.0 | 9085 | -28.7 | -44.4 | 21 | 0.23 | 130 | 6 | 336.1 | 337.1 | 336.2 |
| 322.0 | 9217 | -29.3 | -47.4 | 16 | 0.17 | 110 | 10 | 337.1 | 337.8 | 337.1 |
| 308.0 | 9534 | -30.7 | -54.7 | 8 | 0.07 | 101 | 19 | 339.4 | 339.8 | 339.4 |
| 300.0 | 9720 | -32.1 | -52.1 | 12 | 0.10 | 95 | 25 | 340.0 | 340.5 | 340.0 |
| 281.0 | 10172 | -35.8 | -54.0 | 14 | 0.09 | 95 | 32 | 341.1 | 341.5 | 341.1 |
| 250.0 | 10980 | -42.5 | -57.5 | 18 | 0.06 | 100 | 37 | 342.7 | 343.0 | 342.8 |
| 234.0 | 11421 | -46.0 | -59.8 | 19 | 0.05 | 100 | 44 | 344.0 | 344.2 | 344.0 |
| 224.0 | 11713 | -48.3 | -61.3 | 21 | 0.04 | 113 | 46 | 344.8 | 345.0 | 344.8 |
| 209.0 | 12166 | -51.9 | -61.9 | 29 | 0.04 | 132 | 49 | 346.0 | 346.2 | 346.1 |
| 200.0 | 12450 | -53.7 | -59.7 | 48 | 0.06 | 145 | 51 | 347.6 | 347.9 | 347.6 |
| 198.0 | 12514 | -54.1 | -59.7 | 50 | 0.06 | 150 | 53 | 347.9 | 348.2 | 347.9 |
| 194.0 | 12645 | -54.9 | -59.6 | 56 | 0.06 | 151 | 54 | 348.7 | 349.0 | 348.7 |
| 179.0 | 13144 | -58.6 | -63.5 | 54 | 0.04 | 155 | 58 | 350.7 | 350.9 | 350.7 |
| 150.0 | 14240 | -66.9 | -71.9 | 49 | 0.02 | 110 | 42 | 354.6 | 354.7 | 354.6 |
| 147.0 | 14361 | -67.7 | -72.7 | 49 | 0.01 | 105 | 41 | 355.4 | 355.5 | 355.4 |
| 131.0 | 15049 | -71.9 | -76.9 | 47 | 0.01 | 135 | 29 | 359.7 | 359.8 | 359.7 |
| 127.0 | 15232 | -71.2 | -76.8 | 43 | 0.01 | 135 | 31 | 364.1 | 364.2 | 364.1 |
| 124.0 | 15373 | -70.7 | -76.7 | 41 | 0.01 | 118 | 28 | 367.6 | 367.6 | 367.6 |
| 119.0 | 15614 | -71.9 | -79.1 | 33 | 0.01 | 90 | 22 | 369.8 | 369.8 | 369.8 |
| 105.0 | 16346 | -75.5 | -86.6 | 16 | 0.00 | 125 | 11 | 376.4 | 376.4 | 376.4 |
| 102.0 | 16516 | -76.3 | -88.3 | 14 | 0.00 | 115 | 15 | 377.9 | 377.9 | 377.9 |
| 101.0 | 16573 | -76.3 | -88.3 | 14 | 0.00 | 115 | 15 | 379.0 | 379.0 | 379.0 |
| 100.0 | 16630 | -76.1 | -88.1 | 14 | 0.00 | 115 | 13 | 380.4 | 380.4 | 380.4 |
| 91.0 | 17173 | -77.2 | -89.2 | 13 | 0.00 | 130 | 5 | 388.8 | 388.8 | 388.8 |
| 86.0 | 17498 | -77.8 | -89.8 | 13 | 0.00 | 155 | 10 | 393.8 | 393.8 | 393.8 |
| 84.0 | 17633 | -78.0 | -90.0 | 13 | 0.00 | 145 | 11 | 395.9 | 395.9 | 395.9 |
| 83.6 | 17661 | -78.1 | -90.1 | 13 | 0.00 | 138 | 12 | 396.4 | 396.4 | 396.4 |
| 81.0 | 17842 | -77.9 | -89.9 | 13 | 0.00 | 90 | 16 | 400.3 | 400.3 | 400.3 |
| 73.0 | 18439 | -77.3 | -89.3 | 13 | 0.00 | 135 | 24 | 413.6 | 413.6 | 413.6 |
| 70.0 | 18680 | -77.1 | -89.1 | 13 | 0.00 | 120 | 31 | 419.1 | 419.1 | 419.1 |
| 67.0 | 18930 | -77.6 | -89.6 | 13 | 0.00 | 80 | 28 | 423.4 | 423.4 | 423.4 |
| 64.9 | 19112 | -77.9 | -89.9 | 13 | 0.00 | 87 | 21 | 426.5 | 426.5 | 426.5 |
| 64.0 | 19194 | -77.5 | -89.8 | 13 | 0.00 | 90 | 18 | 429.1 | 429.2 | 429.1 |
| 63.0 | 19285 | -77.0 | -89.6 | 12 | 0.00 | 120 | 19 | 432.1 | 432.1 | 432.1 |
| 59.0 | 19667 | -75.0 | -88.9 | 10 | 0.00 | 110 | 14 | 444.7 | 444.7 | 444.7 |
| 57.0 | 19868 | -74.0 | -88.5 | 9 | 0.00 | 95 | 18 | 451.4 | 451.5 | 451.4 |
| 54.0 | 20182 | -72.4 | -87.9 | 8 | 0.00 | 115 | 24 | 462.2 | 462.2 | 462.2 |
| 51.0 | 20515 | -70.7 | -87.3 | 7 | 0.00 | 100 | 24 | 473.8 | 473.8 | 473.8 |
| 50.0 | 20630 | -70.1 | -87.1 | 7 | 0.00 | 105 | 25 | 477.9 | 477.9 | 477.9 |
| 49.8 | 20654 | -70.1 | -87.1 | 7 | 0.00 | 106 | 25 | 478.4 | 478.5 | 478.4 |
| 49.0 | 20752 | -69.1 | -87.4 | 6 | 0.00 | 110 | 27 | 483.1 | 483.1 | 483.1 |
| 46.0 | 21137 | -65.1 | -88.5 | 3 | 0.00 | 85 | 38 | 501.5 | 501.6 | 501.5 |
| 44.0 | 21408 | -62.2 | -89.3 | 2 | 0.00 | 75 | 32 | 514.8 | 514.9 | 514.8 |

| | | | | | | | | | | |
|------|-------|-------|-------|---|------|----|----|-------|-------|-------|
| 42.4 | 21634 | -59.9 | -89.9 | 1 | 0.00 | 81 | 31 | 526.1 | 526.1 | 526.1 |
| 40.0 | 21997 | -60.6 | -92.8 | 1 | 0.00 | 90 | 29 | 533.2 | 533.3 | 533.2 |
| 38.2 | 22283 | -61.1 | -95.1 | 0 | 0.00 | 83 | 29 | 539.0 | 539.0 | 539.0 |
| 35.0 | 22831 | -58.4 | -93.8 | 0 | 0.00 | 70 | 28 | 559.7 | 559.7 | 559.7 |
| 34.0 | 23013 | -57.5 | -93.4 | 0 | 0.00 | 80 | 23 | 566.7 | 566.7 | 566.7 |
| 33.8 | 23050 | -57.3 | -93.3 | 0 | 0.00 | | | 568.1 | 568.2 | 568.1 |

Station information and sounding indices

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Station identifier: SBUL
Station number: 83525
Observation time: 141228/0000
Station latitude: -18.87
Station longitude: -48.22
Station elevation: 922.0
Showalter index: 0.98
Lifted index: 0.00
LIFT computed using virtual temperature: -0.74
SWEAT index: 170.58
K index: 38.90
Cross totals index: 17.10
Vertical totals index: 27.10
Totals totals index: 44.20
Convective Available Potential Energy: 567.65
CAPE using virtual temperature: 664.78
Convective Inhibition: -70.75
CINS using virtual temperature: -54.58
Equilibrium Level: 211.52
Equilibrium Level using virtual temperature: 211.16
Level of Free Convection: 730.08
LFCT using virtual temperature: 736.36
Bulk Richardson Number: 113.19
Bulk Richardson Number using CAPV: 132.56
Temp [K] of the Lifted Condensation Level: 286.07
Pres [hPa] of the Lifted Condensation Level: 765.74
Mean mixed layer potential temperature: 308.75
Mean mixed layer mixing ratio: 12.40
1000 hPa to 500 hPa thickness: 5816.00
Precipitable water [mm] for entire sounding: 30.22

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83525 SBUL Uberlandia Observations at 12Z 28 Dec 2014

| PRES hPa | HGHT m | TEMP C | DWPT C | RELH % | MIXR g/kg | DRCT deg | SKNT knot | THTA K | THTE K | THTV K |
|-------------|-----------|-----------|-----------|-----------|--------------|-------------|--------------|-----------|-----------|-----------|
| 1000.0 | 118 | | | | | | | | | |
| 925.0 | 810 | | | | | | | | | |
| 911.0 | 922 | 25.4 | 15.4 | 54 | 12.22 | 350 | 12 | 306.6 | 343.7 | 308.9 |
| 893.0 | 1103 | 22.8 | 13.8 | 57 | 11.23 | 353 | 12 | 305.7 | 339.6 | 307.7 |
| 881.0 | 1224 | 22.1 | 13.1 | 57 | 10.85 | 355 | 12 | 306.1 | 339.0 | 308.1 |
| 850.0 | 1546 | 20.2 | 11.2 | 56 | 9.92 | 25 | 14 | 307.3 | 337.6 | 309.1 |
| 844.0 | 1606 | 19.7 | 10.9 | 57 | 9.78 | 30 | 14 | 307.4 | 337.3 | 309.2 |
| 802.0 | 2041 | 16.0 | 8.6 | 61 | 8.82 | 35 | 11 | 308.0 | 335.1 | 309.6 |
| 765.0 | 2444 | 12.7 | 6.5 | 66 | 7.99 | 100 | 11 | 308.6 | 333.2 | 310.0 |
| 760.0 | 2500 | 12.2 | 6.2 | 67 | 7.88 | 99 | 11 | 308.6 | 333.0 | 310.1 |
| 745.0 | 2667 | 13.6 | -14.4 | 13 | 1.69 | 94 | 12 | 311.9 | 317.6 | 312.2 |
| 700.0 | 3188 | 10.0 | -14.0 | 17 | 1.86 | 80 | 15 | 313.5 | 319.8 | 313.9 |
| 695.0 | 3247 | 9.7 | -15.3 | 16 | 1.68 | 75 | 16 | 313.8 | 319.5 | 314.1 |
| 632.0 | 4028 | 5.2 | -32.7 | 4 | 0.39 | 40 | 11 | 317.3 | 318.8 | 317.4 |
| 627.0 | 4093 | 4.8 | -34.2 | 4 | 0.34 | 45 | 11 | 317.6 | 318.9 | 317.7 |
| 622.0 | 4158 | 4.6 | -34.9 | 4 | 0.32 | 50 | 10 | 318.1 | 319.4 | 318.2 |
| 595.0 | 4518 | 3.7 | -38.7 | 3 | 0.23 | 150 | 11 | 321.1 | 322.0 | 321.1 |
| 571.0 | 4852 | 2.8 | -42.2 | 2 | 0.16 | 64 | 5 | 323.9 | 324.5 | 323.9 |
| 554.0 | 5093 | 1.0 | -38.1 | 4 | 0.26 | 0 | 1 | 324.5 | 325.5 | 324.5 |
| 500.0 | 5910 | -5.3 | -24.3 | 21 | 1.08 | 265 | 3 | 326.5 | 330.5 | 326.7 |
| 498.0 | 5941 | -5.5 | -24.5 | 21 | 1.06 | 263 | 3 | 326.6 | 330.5 | 326.9 |
| 418.0 | 7289 | -14.9 | -41.9 | 8 | 0.23 | 193 | 4 | 331.3 | 332.3 | 331.4 |
| 400.0 | 7620 | -17.7 | -36.7 | 17 | 0.41 | 175 | 4 | 331.9 | 333.5 | 332.0 |
| 381.0 | 7983 | -21.1 | -39.1 | 18 | 0.34 | 159 | 9 | 332.1 | 333.4 | 332.1 |
| 377.0 | 8061 | -21.6 | -37.4 | 23 | 0.41 | 155 | 10 | 332.4 | 334.1 | 332.5 |
| 366.0 | 8279 | -22.9 | -32.6 | 41 | 0.68 | 175 | 20 | 333.5 | 336.1 | 333.6 |
| 363.0 | 8340 | -23.3 | -31.3 | 48 | 0.78 | 173 | 20 | 333.8 | 336.7 | 333.9 |
| 353.0 | 8544 | -24.5 | -36.5 | 32 | 0.48 | 166 | 19 | 334.8 | 336.7 | 334.9 |
| 347.0 | 8670 | -23.5 | -54.5 | 4 | 0.07 | 162 | 19 | 337.8 | 338.1 | 337.8 |
| 324.0 | 9165 | -27.3 | -54.0 | 6 | 0.08 | 145 | 17 | 339.3 | 339.6 | 339.3 |

| | | | | | | | | | | |
|-------|-------|-------|-------|----|------|-----|----|-------|-------|-------|
| 300.0 | 9720 | -31.5 | -53.5 | 10 | 0.09 | 145 | 17 | 340.9 | 341.2 | 340.9 |
| 299.0 | 9743 | -31.7 | -53.6 | 10 | 0.09 | 145 | 17 | 340.9 | 341.3 | 340.9 |
| 279.0 | 10222 | -35.8 | -55.4 | 12 | 0.07 | 90 | 19 | 341.8 | 342.1 | 341.8 |
| 262.0 | 10656 | -39.5 | -57.1 | 14 | 0.07 | 85 | 27 | 342.6 | 342.8 | 342.6 |
| 250.0 | 10980 | -42.3 | -58.3 | 16 | 0.06 | 105 | 25 | 343.0 | 343.3 | 343.1 |
| 237.0 | 11337 | -45.7 | -58.7 | 22 | 0.06 | 119 | 24 | 343.2 | 343.4 | 343.2 |
| 232.0 | 11477 | -47.0 | -58.4 | 26 | 0.06 | 125 | 23 | 343.3 | 343.6 | 343.3 |
| 225.0 | 11679 | -48.9 | -57.9 | 34 | 0.07 | 140 | 25 | 343.4 | 343.7 | 343.4 |
| 223.0 | 11737 | -49.3 | -57.6 | 37 | 0.07 | 145 | 26 | 343.7 | 344.0 | 343.7 |
| 216.0 | 11945 | -50.7 | -56.7 | 49 | 0.08 | 150 | 29 | 344.7 | 345.0 | 344.7 |
| 208.0 | 12188 | -52.5 | -60.4 | 38 | 0.05 | 155 | 33 | 345.6 | 345.9 | 345.6 |
| 200.0 | 12440 | -54.3 | -64.3 | 28 | 0.03 | 145 | 38 | 346.6 | 346.8 | 346.6 |
| 186.0 | 12902 | -56.3 | -68.2 | 21 | 0.02 | 135 | 46 | 350.7 | 350.8 | 350.7 |
| 179.0 | 13146 | -57.3 | -70.3 | 18 | 0.02 | 147 | 39 | 352.9 | 353.0 | 352.9 |
| 172.0 | 13393 | -59.3 | -72.1 | 18 | 0.01 | 160 | 31 | 353.6 | 353.6 | 353.6 |
| 165.0 | 13650 | -61.5 | -74.0 | 17 | 0.01 | 145 | 28 | 354.2 | 354.3 | 354.2 |
| 150.0 | 14240 | -66.3 | -78.3 | 17 | 0.01 | 120 | 36 | 355.7 | 355.7 | 355.7 |
| 142.0 | 14567 | -68.7 | -79.4 | 20 | 0.01 | 120 | 33 | 357.1 | 357.1 | 357.1 |
| 135.0 | 14868 | -70.9 | -80.5 | 23 | 0.00 | 140 | 28 | 358.4 | 358.4 | 358.4 |
| 129.0 | 15139 | -72.9 | -81.4 | 26 | 0.00 | 165 | 35 | 359.5 | 359.6 | 359.5 |
| 126.0 | 15279 | -73.9 | -81.9 | 28 | 0.00 | 168 | 38 | 360.1 | 360.1 | 360.1 |
| 124.0 | 15372 | -74.1 | -82.4 | 27 | 0.00 | 170 | 40 | 361.4 | 361.4 | 361.4 |
| 116.0 | 15759 | -75.0 | -84.4 | 22 | 0.00 | 145 | 27 | 366.7 | 366.8 | 366.7 |
| 110.0 | 16067 | -75.7 | -86.0 | 19 | 0.00 | 160 | 22 | 371.1 | 371.1 | 371.1 |
| 100.0 | 16620 | -76.9 | -88.9 | 13 | 0.00 | 140 | 20 | 378.9 | 378.9 | 378.9 |
| 90.0 | 17223 | -79.1 | -91.1 | 13 | 0.00 | 105 | 14 | 386.1 | 386.1 | 386.1 |
| 86.7 | 17437 | -79.9 | -91.9 | 12 | 0.00 | 120 | 13 | 388.6 | 388.6 | 388.6 |
| 86.0 | 17483 | -80.0 | -92.0 | 12 | 0.00 | 125 | 15 | 389.4 | 389.4 | 389.4 |
| 79.0 | 17964 | -80.6 | -92.6 | 12 | 0.00 | 90 | 13 | 397.6 | 397.6 | 397.6 |
| 78.2 | 18021 | -80.7 | -92.7 | 12 | 0.00 | 94 | 12 | 398.6 | 398.6 | 398.6 |
| 77.0 | 18109 | -80.5 | -92.5 | 12 | 0.00 | 100 | 11 | 400.8 | 400.8 | 400.8 |
| 76.0 | 18183 | -80.3 | -92.3 | 12 | 0.00 | 110 | 17 | 402.6 | 402.6 | 402.6 |
| 74.0 | 18335 | -80.0 | -92.0 | 12 | 0.00 | 95 | 24 | 406.4 | 406.4 | 406.4 |
| 70.0 | 18650 | -79.3 | -91.3 | 13 | 0.00 | 80 | 26 | 414.4 | 414.4 | 414.4 |
| 67.0 | 18898 | -79.0 | -91.0 | 13 | 0.00 | 85 | 19 | 420.3 | 420.3 | 420.3 |
| 66.1 | 18974 | -78.9 | -90.9 | 13 | 0.00 | 94 | 21 | 422.1 | 422.1 | 422.1 |
| 64.0 | 19160 | -76.7 | -89.8 | 11 | 0.00 | 115 | 26 | 430.8 | 430.8 | 430.8 |
| 63.0 | 19251 | -75.7 | -89.2 | 10 | 0.00 | 100 | 28 | 435.1 | 435.1 | 435.1 |
| 60.3 | 19503 | -72.7 | -87.7 | 9 | 0.00 | 104 | 27 | 447.2 | 447.2 | 447.2 |
| 60.0 | 19532 | -72.6 | -87.8 | 9 | 0.00 | 105 | 27 | 448.1 | 448.1 | 448.1 |
| 54.0 | 20153 | -70.4 | -89.2 | 5 | 0.00 | 80 | 33 | 466.8 | 466.8 | 466.8 |
| 53.0 | 20263 | -70.0 | -89.5 | 4 | 0.00 | 90 | 32 | 470.2 | 470.2 | 470.2 |
| 52.2 | 20352 | -69.7 | -89.7 | 4 | 0.00 | 89 | 33 | 473.0 | 473.0 | 473.0 |
| 50.0 | 20610 | -66.1 | -89.1 | 3 | 0.00 | 85 | 34 | 487.3 | 487.3 | 487.3 |
| 49.0 | 20735 | -64.9 | -90.0 | 2 | 0.00 | 75 | 41 | 492.9 | 492.9 | 492.9 |
| 48.0 | 20862 | -63.8 | -90.9 | 1 | 0.00 | 70 | 36 | 498.6 | 498.6 | 498.6 |
| 45.0 | 21260 | -60.1 | -93.7 | 1 | 0.00 | 95 | 24 | 516.8 | 516.8 | 516.8 |
| 44.4 | 21343 | -59.3 | -94.3 | 0 | 0.00 | 89 | 25 | 520.7 | 520.7 | 520.7 |
| 44.0 | 21400 | -59.5 | -94.4 | 0 | 0.00 | 85 | 26 | 521.7 | 521.7 | 521.7 |
| 41.0 | 21840 | -60.6 | -95.1 | 0 | 0.00 | 120 | 28 | 529.4 | 529.4 | 529.4 |
| 38.4 | 22249 | -61.7 | -95.7 | 0 | 0.00 | 98 | 24 | 536.6 | 536.6 | 536.6 |
| 37.0 | 22481 | -61.3 | -95.4 | 0 | 0.00 | 85 | 21 | 543.5 | 543.5 | 543.5 |
| 35.0 | 22828 | -60.6 | -95.0 | 0 | 0.00 | 105 | 30 | 553.8 | 553.8 | 553.8 |
| 32.0 | 23387 | -59.6 | -94.4 | 0 | 0.00 | 85 | 27 | 570.9 | 570.9 | 570.9 |
| 30.0 | 23790 | -58.9 | -93.9 | 0 | 0.00 | 85 | 36 | 583.5 | 583.5 | 583.5 |
| 26.2 | 24644 | -56.5 | -92.5 | 0 | 0.00 | 85 | 42 | 613.3 | 613.3 | 613.3 |
| 26.0 | | | | | | 85 | 42 | | | |

Station information and sounding indices

```

Station identifier: SBUL
Station number: 83525
Observation time: 141228/1200
Station latitude: -18.87
Station longitude: -48.22
Station elevation: 922.0
Showalter index: 2.60
Lifted index: 1.66
LIFT computed using virtual temperature: 1.10
SWEAT index: 165.40
K index: 12.70
Cross totals index: 16.50
Vertical totals index: 25.50
Totals totals index: 42.00
Convective Available Potential Energy: 5.30
CAPE using virtual temperature: 11.08
Convective Inhibition: -442.66
CINS using virtual temperature: -269.09
Equilibrium Level: 362.24

```

Equilibrium Level using virtual temperature: 358.47
Level of Free Convection: 392.05
LFCT using virtual temperature: 398.88
Bulk Richardson Number: 0.39
Bulk Richardson Number using CAPV: 0.81
Temp [K] of the Lifted Condensation Level: 284.57
Pres [hPa] of the Lifted Condensation Level: 773.83
Mean mixed layer potential temperature: 306.21
Mean mixed layer mixing ratio: 11.10
1000 hPa to 500 hPa thickness: 5792.00
Precipitable water [mm] for entire sounding: 18.79

Description of the [data columns](#) or [sounding indices](#).

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