|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Measured | | | | | | |
| **V** | **I** | **ρ** | **T(°C)** | **T(°K)** | **ln(p)** | **1/T** |
| 9.60E-3 | 5.05E-3 | 16.29227 | 170 | 443.15 | 2.790690981 | 0.00225657 |
| 10.00E-3 | 5.05E-3 | 16.97112 | 165 | 438.15 | 2.831512976 | 0.00228232 |
| 11.10E-3 | 5.05E-3 | 18.83794 | 160 | 433.15 | 2.935872991 | 0.00230867 |
| 12.30E-3 | 5.05E-3 | 20.87448 | 155 | 428.15 | 3.038527145 | 0.00233563 |
| 13.50E-3 | 5.05E-3 | 22.91101 | 150 | 423.15 | 3.131617568 | 0.00236323 |
| 15.20E-3 | 5.05E-3 | 25.79610 | 145 | 418.15 | 3.250223311 | 0.00239149 |
| 17.00E-3 | 5.05E-3 | 28.85090 | 140 | 413.15 | 3.362141227 | 0.00242043 |
| 19.40E-3 | 5.05E-3 | 32.92397 | 135 | 408.15 | 3.494200949 | 0.00245008 |
| 21.60E-3 | 5.05E-3 | 36.65762 | 130 | 403.15 | 3.601621197 | 0.00248047 |
| 25.00E-3 | 5.05E-3 | 42.42780 | 125 | 398.15 | 3.747803708 | 0.00251162 |
| 28.50E-3 | 5.05E-3 | 48.36769 | 120 | 393.15 | 3.87883197 | 0.00254356 |
| 33.20E-3 | 5.05E-3 | 56.34411 | 115 | 388.15 | 4.031477759 | 0.00257632 |
| 37.80E-3 | 5.05E-3 | 64.15083 | 110 | 383.15 | 4.161236985 | 0.00260994 |
| 44.60E-3 | 5.05E-3 | 75.69119 | 105 | 378.15 | 4.326661742 | 0.00264445 |
| 50.50E-3 | 5.05E-3 | 85.70415 | 100 | 373.15 | 4.450901219 | 0.00267989 |
| 55.10E-3 | 5.05E-3 | 93.51086 | 95 | 368.15 | 4.538077599 | 0.00271628 |
| 68.40E-3 | 5.05E-3 | 116.08245 | 90 | 363.15 | 4.754300707 | 0.00275368 |
| 78.50E-3 | 5.05E-3 | 133.22328 | 85 | 358.15 | 4.892026507 | 0.00279213 |
| 90.50E-3 | 5.05E-3 | 153.58862 | 80 | 353.15 | 5.034277733 | 0.00283166 |
| 102.00E-3 | 5.05E-3 | 173.10541 | 75 | 348.15 | 5.153900696 | 0.00287233 |
| 114.60E-3 | 5.05E-3 | 194.48902 | 70 | 343.15 | 5.270375687 | 0.00291418 |
| 162.60E-3 | 5.05E-3 | 275.95038 | 65 | 338.15 | 5.62022108 | 0.00295727 |
| 136.10E-3 | 5.05E-3 | 230.97692 | 60 | 333.15 | 5.442317792 | 0.00300165 |
| 144.00E-3 | 5.05E-3 | 244.38410 | 55 | 328.15 | 5.498741182 | 0.00304739 |
| 149.10E-3 | 5.05E-3 | 253.03937 | 50 | 323.15 | 5.533545104 | 0.00309454 |
| 150.00E-3 | 5.05E-3 | 254.56677 | 48 | 321.15 | 5.539563177 | 0.00311381 |
| 149.70E-3 | 5.05E-3 | 254.05764 | 46 | 319.15 | 5.537561174 | 0.00313332 |
| 150.00E-3 | 5.05E-3 | 254.56677 | 44 | 317.15 | 5.539563177 | 0.00315308 |
| 153.00E-3 | 5.05E-3 | 259.65811 | 42 | 315.15 | 5.559365804 | 0.00317309 |
| 150.30E-3 | 5.05E-3 | 255.07591 | 40 | 313.15 | 5.541561179 | 0.00319336 |
| 149.90E-3 | 5.05E-3 | 254.39706 | 38 | 311.15 | 5.538896288 | 0.00321388 |
| 149.10E-3 | 5.04E-3 | 253.54144 | 36 | 309.15 | 5.535527266 | 0.00323468 |
| 148.20E-3 | 5.04E-3 | 252.01100 | 34 | 307.15 | 5.529472757 | 0.00325574 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **nd** | **ni** | **n** | **p** | **μn** | **μp** | **σ** | **ρ** | **ln(p)** |
| 1.00E+15 | 5.70508E+15 | 6.2053E+15 | 5.21E+15 | 2041.818465 | 763.40459 | 2.66E+00 | 3.76E-01 | -0.979459456 |
| 1.00E+15 | 4.98867E+15 | 5.4889E+15 | 4.49E+15 | 2080.642683 | 783.857037 | 2.39E+00 | 4.18E-01 | -0.871404154 |
| 1.00E+15 | 4.34959E+15 | 4.8499E+15 | 3.85E+15 | 2120.663536 | 805.101693 | 2.14E+00 | 4.67E-01 | -0.76151522 |
| 1.00E+15 | 3.78102E+15 | 4.2813E+15 | 3.28E+15 | 2161.932369 | 827.178929 | 1.92E+00 | 5.22E-01 | -0.649842205 |
| 1.00E+15 | 3.27658E+15 | 3.777E+15 | 2.78E+15 | 2204.50336 | 850.131676 | 1.71E+00 | 5.85E-01 | -0.536457198 |
| 1.00E+15 | 2.83034E+15 | 3.3308E+15 | 2.33E+15 | 2248.433722 | 874.005624 | 1.52E+00 | 6.56E-01 | -0.421459721 |
| 1.00E+15 | 2.43675E+15 | 2.9373E+15 | 1.94E+15 | 2293.783907 | 898.849433 | 1.36E+00 | 7.37E-01 | -0.304982522 |
| 1.00E+15 | 2.09068E+15 | 2.5913E+15 | 1.59E+15 | 2340.617829 | 924.714966 | 1.21E+00 | 8.29E-01 | -0.187198317 |
| 1.00E+15 | 1.78736E+15 | 2.2881E+15 | 1.29E+15 | 2389.003113 | 951.657545 | 1.07E+00 | 9.34E-01 | -0.068327555 |
| 1.00E+15 | 1.52240E+15 | 2.0232E+15 | 1.02E+15 | 2439.011358 | 979.736222 | 9.50E-01 | 1.05E+00 | 0.051352822 |
| 1.00E+15 | 1.29175E+15 | 1.7927E+15 | 7.93E+14 | 2490.718424 | 1009.01409 | 8.42E-01 | 1.19E+00 | 0.17149971 |
| 1.00E+15 | 1.09168E+15 | 1.5928E+15 | 5.93E+14 | 2544.204743 | 1039.5586 | 7.47E-01 | 1.34E+00 | 0.291693556 |
| 1.00E+15 | 9.18782E+14 | 1.4201E+15 | 4.20E+14 | 2599.555659 | 1071.44196 | 6.63E-01 | 1.51E+00 | 0.411427906 |
| 1.00E+15 | 7.69952E+14 | 1.2716E+15 | 2.72E+14 | 2656.861798 | 1104.74147 | 5.89E-01 | 1.70E+00 | 0.530099555 |
| 1.00E+15 | 6.42352E+14 | 1.1443E+15 | 1.44E+14 | 2716.219469 | 1139.54005 | 5.24E-01 | 1.91E+00 | 0.647000389 |
| 1.00E+15 | 5.33414E+14 | 1.0358E+15 | 3.58E+13 | 2777.731105 | 1175.92664 | 4.67E-01 | 2.14E+00 | 0.761312353 |
| 1.00E+15 | 4.40813E+14 | 9.4364E+14 | -5.64E+13 | 2841.50574 | 1213.99677 | 4.18E-01 | 2.39E+00 | 0.872107296 |
| 1.00E+15 | 3.62458E+14 | 8.6589E+14 | -1.34E+14 | 2907.659531 | 1253.85315 | 3.76E-01 | 2.66E+00 | 0.978353553 |
| 1.00E+15 | 2.96471E+14 | 8.0066E+14 | -1.99E+14 | 2976.316339 | 1295.60633 | 3.40E-01 | 2.94E+00 | 1.078931035 |
| 1.00E+15 | 2.41176E+14 | 7.463E+14 | -2.54E+14 | 3047.608351 | 1339.37538 | 3.10E-01 | 3.23E+00 | 1.172656174 |
| 1.00E+15 | 1.95078E+14 | 7.0138E+14 | -2.99E+14 | 3121.676771 | 1385.28871 | 2.84E-01 | 3.52E+00 | 1.258317677 |
| 1.00E+15 | 1.56855E+14 | 6.6463E+14 | -3.35E+14 | 3198.672583 | 1433.48496 | 2.63E-01 | 3.80E+00 | 1.334724319 |
| 1.00E+15 | 1.25340E+14 | 6.3495E+14 | -3.65E+14 | 3278.757378 | 1484.11395 | 2.46E-01 | 4.06E+00 | 1.400768072 |
| 1.00E+15 | 9.95092E+13 | 6.1136E+14 | -3.89E+14 | 3362.104283 | 1537.33782 | 2.33E-01 | 4.29E+00 | 1.455510465 |
| 1.00E+15 | 7.84672E+13 | 5.9304E+14 | -4.07E+14 | 3448.898966 | 1593.33219 | 2.24E-01 | 4.47E+00 | 1.498304199 |
| 1.00E+15 | 7.12135E+13 | 5.8701E+14 | -4.13E+14 | 3484.626382 | 1616.54781 | 2.20E-01 | 4.54E+00 | 1.512013123 |
| 1.00E+15 | 6.45556E+13 | 5.8165E+14 | -4.18E+14 | 3520.950578 | 1640.24992 | 2.18E-01 | 4.59E+00 | 1.523785444 |
| 1.00E+15 | 5.84512E+13 | 5.7692E+14 | -4.23E+14 | 3557.885357 | 1664.45185 | 2.16E-01 | 4.64E+00 | 1.533652246 |
| 1.00E+15 | 5.28606E+13 | 5.7276E+14 | -4.27E+14 | 3595.444929 | 1689.16738 | 2.14E-01 | 4.67E+00 | 1.541663184 |
| 1.00E+15 | 4.77462E+13 | 5.6914E+14 | -4.31E+14 | 3633.64393 | 1714.4108 | 2.13E-01 | 4.70E+00 | 1.547886597 |
| 1.00E+15 | 4.30729E+13 | 5.6599E+14 | -4.34E+14 | 3672.497436 | 1740.19684 | 2.12E-01 | 4.72E+00 | 1.552408651 |
| 1.00E+15 | 3.88077E+13 | 5.6329E+14 | -4.37E+14 | 3712.020976 | 1766.54078 | 2.11E-01 | 4.74E+00 | 1.555331408 |
| 1.00E+15 | 3.49196E+13 | 5.6099E+14 | -4.39E+14 | 3752.230554 | 1793.45842 | 2.11E-01 | 4.74E+00 | 1.55676993 |