Carbon Monoxide (CO) C1O1(g)

T(K) Cp S -[G-H(Tr)]/T H-H(Tr) delta-f H delta-f G log Kf

0 0.000 0.000 INFINITE -8.671 -113.805 -113.805 INFINITE

100 29.104 165.850 223.539 -5.769 -112.415 -120.239 62.807

200 29.108 186.025 200.317 -2.858 -111.286 -128.526 33.568

298.15 29.142 197.653 197.653 0.000 -110.527 -137.163 24.030

300 29.142 197.833 197.653 0.054 -110.516 -137.328 23.911

400 29.342 206.238 198.798 2.976 -110.102 -146.338 19.110

500 29.794 212.831 200.968 5.931 -110.003 -155.414 16.236

600 30.443 218.319 203.415 8.942 -110.150 -164.486 14.320

700 31.171 223.066 205.890 12.023 -110.469 -173.518 12.948

800 31.899 227.277 208.305 15.177 -110.905 -182.497 11.916

900 32.577 231.074 210.628 18.401 -111.418 -191.416 11.109

1000 33.183 234.538 212.848 21.690 -111.983 -200.275 10.461

1100 33.710 237.726 214.967 25.035 -112.586 -209.075 9.928

1200 34.175 240.679 216.988 28.430 -113.217 -217.819 9.481

1300 34.572 243.431 218.917 31.868 -113.870 -226.509 9.101

1400 34.920 246.006 220.761 35.343 -114.541 -235.149 8.774

1500 35.217 248.426 222.526 38.850 -115.229 -243.740 8.488

1600 35.480 250.707 224.216 42.385 -115.933 -252.284 8.236

1700 35.710 252.865 225.839 45.945 -116.651 -260.784 8.013

1800 35.911 254.912 227.398 49.526 -117.384 -269.242 7.813

1900 36.091 256.859 228.897 53.126 -118.133 -277.658 7.633

2000 36.250 258.714 230.342 56.744 -118.896 -286.034 7.470

2100 36.392 260.486 231.736 60.376 -119.675 -294.372 7.322

2200 36.518 262.182 233.081 64.021 -120.470 -302.672 7.186

2300 36.635 263.808 234.382 67.679 -121.282 -310.936 7.062

2400 36.740 265.369 235.641 71.348 -122.109 -319.165 6.946

2500 36.836 266.871 236.860 75.027 -122.953 -327.358 6.840

2600 36.924 268.318 238.043 78.715 -123.813 -335.517 6.741

2700 37.003 269.713 239.190 82.411 -124.689 -343.643 6.648

2800 37.083 271.060 240.304 86.116 -125.582 -351.736 6.562

2900 37.150 272.362 241.387 89.827 -126.490 -359.797 6.481

3000 37.217 273.623 242.441 93.546 -127.415 -367.826 6.404

3100 37.279 274.844 243.467 97.271 -128.356 -375.824 6.333

3200 37.338 276.029 244.466 101.001 -129.312 -383.792 6.265

3300 37.392 277.178 245.440 104.738 -130.283 -391.730 6.201

3400 37.443 278.295 246.390 108.480 -131.270 -399.638 6.140

3500 37.493 279.382 247.317 112.227 -132.271 -407.517 6.082

3600 37.543 280.438 248.222 115.978 -133.288 -415.366 6.027

3700 37.589 281.468 249.107 119.735 -134.318 -423.188 5.974

3800 37.631 282.471 249.972 123.496 -135.363 -430.981 5.924

3900 37.673 283.449 250.818 127.261 -136.422 -438.746 5.876

4000 37.715 284.403 251.645 131.031 -137.495 -446.485 5.830

4100 37.756 285.335 252.456 134.804 -138.581 -454.196 5.787

4200 37.794 286.245 253.250 138.582 -139.681 -461.881 5.744

4300 37.832 287.135 254.027 142.363 -140.794 -469.539 5.704

4400 37.869 288.005 254.790 146.148 -141.921 -477.171 5.665

4500 37.903 288.856 255.537 149.937 -143.062 -484.778 5.627

4600 37.941 289.690 256.271 153.729 -144.215 -492.359 5.591

4700 37.974 290.506 256.990 157.525 -145.383 -499.915 5.556

4800 38.007 291.306 257.697 161.324 -146.563 -507.446 5.522

4900 38.041 292.090 258.391 165.126 -147.758 -514.951 5.489

5000 38.074 292.859 259.073 168.932 -148.967 -522.433 5.458

5100 38.104 293.613 259.743 172.741 -150.190 -529.890 5.427

5200 38.137 294.354 260.401 176.553 -151.427 -537.323 5.397

5300 38.171 295.080 261.049 180.368 -152.679 -544.732 5.369

5400 38.200 295.794 261.685 184.187 -153.946 -552.118 5.341

5500 38.233 296.495 262.312 188.008 -155.228 -559.480 5.313

5600 38.263 297.184 262.929 191.833 -156.527 -566.818 5.287

5700 38.296 297.862 263.535 195.661 -157.841 -574.133 5.261

5800 38.325 298.528 264.133 199.492 -159.172 -581.424 5.236

5900 38.355 299.184 264.722 203.326 -160.521 -588.694 5.212

6000 38.388 299.829 265.301 207.163 -161.887 -595.939 5.188