

# Climate and Greenhouse Gases: Data Table

| Years before present (x 1000) | Local Temperature Change (°C) | Methane (ppm) | Carbon Dioxide (ppm) |
|-------------------------------|-------------------------------|---------------|----------------------|
| 160                           | -9                            | 360           | 190                  |
| 150                           | -10                           | 350           | 205                  |
| 140                           | -10                           | 450           | 240                  |
| 130                           | -3                            | 700           | 280                  |
| 120                           | +1                            | 580           | 278                  |
| 110                           | -4                            | 480           | 240                  |
| 100                           | -8                            | 610           | 225                  |
| 90                            | -5                            | 450           | 230                  |
| 80                            | -6                            | 600           | 220                  |
| 70                            | -8                            | 420           | 250                  |
| 60                            | -9                            | 440           | 190                  |
| 50                            | -7                            | 440           | 220                  |
| 40                            | -8                            | 460           | 180                  |
| 30                            | -7                            | 500           | 225                  |
| 20                            | -9                            | 400           | 200                  |
| 10                            | -2                            | 660           | 260                  |
| 0 (~ 1850)                    | -0.5                          | 700           | 280                  |
| 0 + 0.150 (2002)              | -                             | -             | 371                  |

*ppm = parts per million*

*Note: all values are approximate. These values were extrapolated from data obtained by researchers studying the Vostok Ice Core. You can access this data at the Web site of the World Data Center for Paleoclimatology, <http://www.ngdc.noaa.gov/paleo/icecore/antarctica/vostok/vostok.html>.*