

Vostok, Antarctica Ice Core Data

Source: National Oceanic and Atmospheric Administration (NOAA)

| Year (BCE) | CO ₂ Concentration (ppm) | Temperature Anomaly (°C) |
|------------|-------------------------------------|--------------------------|
| 398,000 | 278 | -1.6 |
| 388,000 | 255 | -5.3 |
| 378,000 | 246 | -4.9 |
| 368,000 | 230 | -5.4 |
| 358,000 | 206 | -5.8 |
| 348,000 | 193 | -7.6 |
| 338,000 | 220 | -7.4 |
| 328,000 | 234 | -4.9 |
| 318,000 | 272 | -0.1 |
| 308,000 | 256 | -3.3 |
| 298,000 | 242 | -3.1 |
| 288,000 | 240 | -6.0 |
| 278,000 | 208 | -6.2 |
| 268,000 | 231 | -6.0 |
| 258,000 | 185 | -8.3 |
| 248,000 | 204 | -6.5 |
| 238,000 | 230 | -2.1 |
| 228,000 | 245 | -6.2 |
| 218,000 | 212 | -4.3 |
| 208,000 | 245 | -3.1 |
| 198,000 | 243 | -2.7 |
| 188,000 | 231 | -6.5 |
| 178,000 | 213 | -6.3 |
| 168,000 | 198 | -7.0 |
| 158,000 | 204 | -6.3 |
| 148,000 | 192 | -7.3 |
| 138,000 | 192 | -9.0 |
| 128,000 | 263 | 1.5 |
| 118,000 | 265 | -0.9 |
| 108,000 | 246 | -5.5 |
| 98,000 | 226 | -3.5 |
| 88,000 | 208 | -4.7 |
| 78,000 | 222 | -3.7 |
| 68,000 | 227 | -7.8 |
| 58,000 | 210 | -6.5 |
| 48,000 | 190 | -5.2 |
| 38,000 | 209 | -6.9 |
| 28,000 | 205 | -8.0 |
| 18,000 | 189 | -7.6 |
| 8,000 | 262 | -0.3 |

Mauna Loa Observatory Data

Source: National Oceanic and Atmospheric Administration (NOAA)

| Year | CO ₂ Concentration (ppm) | Temperature Anomaly (°C) | Year | CO ₂ Concentration (ppm) | Temperature Anomaly (°C) |
|------|-------------------------------------|--------------------------|------|-------------------------------------|--------------------------|
| 1959 | 316 | 0.2 | 1990 | 354 | 0.7 |
| 1960 | 317 | -0.2 | 1991 | 356 | 0.4 |
| 1961 | 318 | 0.2 | 1992 | 356 | 0.4 |
| 1962 | 318 | 0.1 | 1993 | 357 | 0.4 |
| 1963 | 319 | 0 | 1994 | 359 | 0.4 |
| 1964 | 320 | -0.1 | 1995 | 361 | 0.5 |
| 1965 | 320 | -0.1 | 1996 | 362 | 0.3 |
| 1966 | 321 | 0 | 1997 | 364 | 0.5 |
| 1967 | 322 | 0 | 1998 | 367 | 0.6 |
| 1968 | 323 | 0.2 | 1999 | 368 | 0.4 |
| 1969 | 325 | 0.1 | 2000 | 369 | 0.6 |
| 1970 | 326 | 0 | 2001 | 371 | 0.6 |
| 1971 | 326 | -0.1 | 2002 | 373 | 0.8 |
| 1972 | 327 | 0 | 2003 | 376 | 0.6 |
| 1973 | 330 | 0.3 | 2004 | 378 | 0.7 |
| 1974 | 330 | -0.1 | 2005 | 380 | 0.7 |
| 1975 | 331 | 0.1 | 2006 | 382 | 0.6 |
| 1976 | 332 | -0.2 | 2007 | 384 | 0.7 |
| 1977 | 334 | 0.3 | 2008 | 386 | 0.8 |
| 1978 | 335 | 0.2 | 2009 | 387 | 0.6 |
| 1979 | 337 | 0.3 | 2010 | 390 | 0.8 |
| 1980 | 339 | 0.4 | 2011 | 392 | 0.6 |
| 1981 | 340 | 0.4 | 2012 | 394 | 0.5 |
| 1982 | 341 | 0.1 | 2013 | 395 | 0.6 |
| 1983 | 343 | 0.4 | 2014 | 397 | 0.8 |
| 1984 | 344 | 0.3 | 2015 | 399 | 0.9 |
| 1985 | 346 | 0.2 | 2016 | 402 | 1.2 |
| 1986 | 347 | 0.3 | 2017 | 405 | 1.0 |
| 1987 | 349 | 0.3 | 2018 | 407 | 0.9 |
| 1988 | 352 | 0.5 | | | |
| 1989 | 353 | 0.3 | | | |