

Global Mean CO₂ Mixing Ratios (ppm): Observations

Data Source	Year	MixR	Data Source	Year	MixR	Data Source	Year	MixR
Ice-Core Data	1850	285.2	1900	295.7	1950	311.3	2000	369.64
Core Data	1851	285.1	1901	296.2	1951	311.8	2001	371.15
Data	1852	285.0	1902	296.6	1952	312.2	2002	373.15
Adjusted for Global Mean	1853	285.0	1903	297.0	1953	312.6	2003	375.64
	1854	284.9	1904	297.5	1954	313.2	NOAA/2004	377.44
	1855	285.1	1905	298.0	1955	313.7	ESRL/2005	379.46
	1856	285.4	1906	298.4	1956	314.3	trends 2006	381.59
	1857	285.6	1907	298.8	1957	314.8	change 2007	383.37
	1858	285.9	1908	299.3	SIO 1958	315.34	added 2008	385.46
	1859	286.1	1909	299.7	Mauna 1959	316.18	to 2009	386.95
	1860	286.4	1910	300.1	Loa 1960	317.07	2003,2010	389.21
	1861	286.6	1911	300.6	& 1961	317.73	data 2011	391.15
	1862	286.7	1912	301.0	South 1962	318.43		
	1863	286.8	1913	301.3	Pole 1963	319.08		
	1864	286.9	1914	301.4	Adjusted-1964	319.65		
	1865	287.1	1915	301.6	ted 1965	320.23		
	1866	287.2	1916	302.0	for 1966	321.59		
	1867	287.3	1917	302.4	Global 1967	322.31		
	1868	287.4	1918	302.8	Mean 1968	323.04		
	1869	287.5	1919	303.0	1969	324.23		
	1870	287.7	1920	303.4	1970	325.54		
	1871	287.9	1921	303.7	1971	326.42		
	1872	288.0	1922	304.1	1972	327.45		
	1873	288.2	1923	304.5	1973	329.43		
	1874	288.4	1924	304.9	1974	330.21		
	1875	288.6	1925	305.3	CMDL 1975	331.36		
	1876	288.7	1926	305.8	InSitu 1976	331.92		
	1877	288.9	1927	306.2	Mauna 1977	333.73		
	1878	289.5	1928	306.6	Loa 1978	335.42		
	1879	290.1	1929	307.2	& 1979	337.10		
	1880	290.8	1930	307.5	South 1980	338.99		
	1881	291.4	1931	308.0	Pole 1981	340.36		
	1882	292.0	1932	308.3	1982	341.57		
	1883	292.5	1933	308.9	CMDL 1983	342.53		
	1884	292.9	1934	309.3	Flask 1984	344.24		
	1885	293.3	1935	309.7	Mean 1985	345.72		
	1886	293.8	1936	310.1	of 1986	347.15		
	1887	294.0	1937	310.6	Many 1987	348.93		
	1888	294.1	1938	311.0	Sites 1988	351.47		
	1889	294.2	1939	311.2	1989	353.15		
	1890	294.4	1940	311.3	1990	354.29		
	1891	294.6	1941	311.0	1991	355.68		
	1892	294.8	1942	310.7	1992	356.42		
	1893	294.7	1943	310.5	1993	357.13		
	1894	294.8	1944	310.2	1994	358.61		
	1895	294.8	1945	310.3	1995	360.67		
	1896	294.9	1946	310.3	1996	362.58		
	1897	294.9	1947	310.4	1997	363.48		
	1898	294.9	1948	310.5	1998	366.27		
	1899	295.3	1949	310.9	1999	368.38		

Global Mean CO₂ Mixing Ratio (ppm): Future Scenarios

Alternative Scenario		2 Degree C Scenario	
Year	MixR	Year	MixR
2000	370.0	2050	445.0
2001	371.7	2051	446.2
2002	373.4	2052	447.4
2003	375.1	2053	448.5
2004	376.8	2054	449.6
2005	378.4	2055	450.8
2000	370.0	2050	486.2
2001	371.7	2051	489.2
2002	373.4	2052	492.1
2003	375.1	2053	494.9
2004	376.8	2054	497.6
2005	378.4	2055	500.4