

**Table 5.35-- ATMOSPHERIC CARBON DIOXIDE MEASUREMENTS
AT MAUNA LOA: ANNUAL MEAN VALUES, 1958 TO 2010**

[Average carbon dioxide mixing ratio, parts per million]

Year	Annual average	Year	Annual average	Year	Annual average
1958	1/ 315.17	1976	332.04	1994	358.51
1959	315.83	1977	333.79	1995	360.62
1960	316.75	1978	335.35	1996	362.40
1961	317.49	1979	336.73	1997	363.54
1962	318.30	1980	338.72	1998	366.61
1963	318.83	1981	340.12	1999	368.33
1964	2/ 319.04	1982	341.21	2000	369.62
1965	319.87	1983	342.87	2001	371.20
1966	321.21	1984	344.48	2002	372.99
1967	322.02	1985	345.85	2003	375.82
1968	322.83	1986	347.21	2004	377.54
1969	323.93	1987	348.98	2005	379.97
1970	325.27	1988	351.34	2006	381.89
1971	326.17	1989	352.89	2007	383.86
1972	327.26	1990	354.26	2008	385.61
1973	329.45	1991	355.45	2009	387.33
1974	1/ 329.72	1992	356.58	2010	389.82
1975	3/ 331.14	1993	357.01		

1/ Based on data for 8 months.

2/ Based on data for 9 months.

3/ Based on data for 11 months.

Source: National Weather Service, Pacific Region, Honolulu (for 1958-1991); Mauna Loa Observatory (for 1992-1999); U.S. Department of Commerce, National Oceanic & Atmospheric Administration (NOAA), Cooperative Global Air Sampling Network, Global Monitoring Division, Earth Systems Research Laboratory (ESRL), records.