

```
# -----  
# USE OF NOAA ESRL DATA  
#  
# These data are made freely available to the public and the  
# scientific community in the belief that their wide dissemination  
# will lead to greater understanding and new scientific insights.  
# The availability of these data does not constitute publication  
# of the data. NOAA relies on the ethics and integrity of the user to  
# assure that ESRL receives fair credit for their work. If the data  
# are obtained for potential use in a publication or presentation,  
# ESRL should be informed at the outset of the nature of this work.  
# If the ESRL data are essential to the work, or if an important  
# result or conclusion depends on the ESRL data, co-authorship  
# may be appropriate. This should be discussed at an early stage in  
# the work. Manuscripts using the ESRL data should be sent to ESRL  
# for review before they are submitted for publication so we can  
# insure that the quality and limitations of the data are accurately  
# represented.  
#  
# Contact: Pieter Tans (303 497 6678; pieter.tans@noaa.gov)  
#  
# File Creation: Sun Aug 3 02:55:42 2008  
#  
# RECIPROCITY  
#  
# Use of these data implies an agreement to reciprocate.  
# Laboratories making similar measurements agree to make their  
# own data available to the general public and to the scientific  
# community in an equally complete and easily accessible form.  
# Modelers are encouraged to make available to the community,  
# upon request, their own tools used in the interpretation  
# of the ESRL data, namely well documented model code, transport  
# fields, and additional information necessary for other  
# scientists to repeat the work and to run modified versions.  
# Model availability includes collaborative support for new  
# users of the models.  
# -----  
#  
# See www.esrl.noaa.gov/gmd/ccgg/trends/ for additional details.  
#  
# Data from March 1958 through April 1974 have been obtained by C. David Keeling  
# of the Scripps Institution of Oceanography (SIO) and were obtained from the  
# Scripps website (scrippsco2.ucsd.edu).  
#  
# The "average" column contains the monthly mean CO2 mole fraction determined  
# from daily averages. The mole fraction of CO2, expressed as parts per million  
# (ppm) is the number of molecules of CO2 in every one million molecules of dried  
# air (water vapor removed). If there are missing days concentrated either early  
# or late in the month, the monthly mean is corrected to the middle of the month  
# using the average seasonal cycle. Missing months are denoted by -99.99.  
# The "interpolated" column includes average values from the preceding column  
# and interpolated values where data are missing. Interpolated values are  
# computed in two steps. First, we compute for each month the average seasonal  
# cycle in a 5-year window around each monthly value. In this way the seasonal  
# cycle is allowed to change slowly over time. We then determine the "trend"  
# value for each month by removing the seasonal cycle; this result is shown in  
# the "trend" column. Trend values are linearly interpolated for missing months.  
# The interpolated monthly mean is then the sum of the average seasonal cycle  
# value and the trend value for the missing month.  
#  
# NOTE: In general, the data presented for the last year are subject to change,  
# depending on recalibration of the reference gas mixtures used, and other quality
```

co2_mm_mlo_mean_july08.txt

control procedures. Occasionally, earlier years may also be changed for the same
reasons. Usually these changes are minor.

#	#	decimal date	mean	interpolated	trend (season corr)
1958	3	1958.208	315.71	315.71	314.61
1958	4	1958.292	317.45	317.45	315.30
1958	5	1958.375	317.50	317.50	314.71
1958	6	1958.458	-99.99	317.09	314.85
1958	7	1958.542	315.86	315.86	314.98
1958	8	1958.625	314.93	314.93	315.94
1958	9	1958.708	313.20	313.20	315.91
1958	10	1958.792	-99.99	312.66	315.61
1958	11	1958.875	313.33	313.33	315.31
1958	12	1958.958	314.67	314.67	315.61
1959	1	1959.042	315.62	315.62	315.70
1959	2	1959.125	316.38	316.38	315.88
1959	3	1959.208	316.71	316.71	315.61
1959	4	1959.292	317.72	317.72	315.57
1959	5	1959.375	318.29	318.29	315.50
1959	6	1959.458	318.16	318.16	315.93
1959	7	1959.542	316.55	316.55	315.67
1959	8	1959.625	314.80	314.80	315.81
1959	9	1959.708	313.84	313.84	316.55
1959	10	1959.792	313.26	313.26	316.19
1959	11	1959.875	314.80	314.80	316.78
1959	12	1959.958	315.59	315.59	316.53
1960	1	1960.042	316.43	316.43	316.51
1960	2	1960.125	316.97	316.97	316.47
1960	3	1960.208	317.58	317.58	316.48
1960	4	1960.292	319.02	319.02	316.87
1960	5	1960.375	320.02	320.02	317.23
1960	6	1960.458	319.59	319.59	317.36
1960	7	1960.542	318.18	318.18	317.30
1960	8	1960.625	315.91	315.91	316.92
1960	9	1960.708	314.16	314.16	316.87
1960	10	1960.792	313.83	313.83	316.75
1960	11	1960.875	315.00	315.00	316.98
1960	12	1960.958	316.19	316.19	317.13
1961	1	1961.042	316.93	316.93	317.01
1961	2	1961.125	317.70	317.70	317.20
1961	3	1961.208	318.54	318.54	317.44
1961	4	1961.292	319.48	319.48	317.33
1961	5	1961.375	320.58	320.58	317.79
1961	6	1961.458	319.77	319.77	317.54
1961	7	1961.542	318.58	318.58	317.70
1961	8	1961.625	316.79	316.79	317.80
1961	9	1961.708	314.80	314.80	317.51
1961	10	1961.792	315.38	315.38	318.31
1961	11	1961.875	316.10	316.10	318.08
1961	12	1961.958	317.01	317.01	317.95
1962	1	1962.042	317.94	317.94	318.02
1962	2	1962.125	318.55	318.55	318.05
1962	3	1962.208	319.68	319.68	318.58
1962	4	1962.292	320.63	320.63	318.48
1962	5	1962.375	321.01	321.01	318.22
1962	6	1962.458	320.55	320.55	318.32
1962	7	1962.542	319.58	319.58	318.70
1962	8	1962.625	317.40	317.40	318.41
1962	9	1962.708	316.26	316.26	318.97
1962	10	1962.792	315.42	315.42	318.35
1962	11	1962.875	316.69	316.69	318.67
1962	12	1962.958	317.70	317.70	318.64

co2_mm_mlo_mean_july08.txt

1963	1	1963.042	318.74	318.74	318.90
1963	2	1963.125	319.08	319.08	318.63
1963	3	1963.208	319.86	319.86	318.65
1963	4	1963.292	321.39	321.39	319.06
1963	5	1963.375	322.24	322.24	319.33
1963	6	1963.458	321.47	321.47	319.15
1963	7	1963.542	319.74	319.74	318.87
1963	8	1963.625	317.77	317.77	318.92
1963	9	1963.708	316.21	316.21	319.04
1963	10	1963.792	315.99	315.99	318.96
1963	11	1963.875	317.12	317.12	319.12
1963	12	1963.958	318.31	318.31	319.29
1964	1	1964.042	319.57	319.57	319.66
1964	2	1964.125	-99.99	320.09	319.60
1964	3	1964.208	-99.99	320.73	319.54
1964	4	1964.292	-99.99	321.76	319.48
1964	5	1964.375	322.24	322.24	319.42
1964	6	1964.458	321.89	321.89	319.67
1964	7	1964.542	320.44	320.44	319.49
1964	8	1964.625	318.70	318.70	319.77
1964	9	1964.708	316.70	316.70	319.58
1964	10	1964.792	316.79	316.79	319.82
1964	11	1964.875	317.79	317.79	319.81
1964	12	1964.958	318.71	318.71	319.67
1965	1	1965.042	319.44	319.44	319.49
1965	2	1965.125	320.44	320.44	319.95
1965	3	1965.208	320.89	320.89	319.66
1965	4	1965.292	322.13	322.13	319.79
1965	5	1965.375	322.16	322.16	319.35
1965	6	1965.458	321.87	321.87	319.67
1965	7	1965.542	321.39	321.39	320.53
1965	8	1965.625	318.80	318.80	319.94
1965	9	1965.708	317.81	317.81	320.69
1965	10	1965.792	317.30	317.30	320.30
1965	11	1965.875	318.87	318.87	320.83
1965	12	1965.958	319.42	319.42	320.30
1966	1	1966.042	320.62	320.62	320.63
1966	2	1966.125	321.59	321.59	321.09
1966	3	1966.208	322.39	322.39	321.14
1966	4	1966.292	323.87	323.87	321.51
1966	5	1966.375	324.01	324.01	321.17
1966	6	1966.458	323.75	323.75	321.52
1966	7	1966.542	322.40	322.40	321.54
1966	8	1966.625	320.37	320.37	321.52
1966	9	1966.708	318.64	318.64	321.54
1966	10	1966.792	318.10	318.10	321.19
1966	11	1966.875	319.78	319.78	321.82
1966	12	1966.958	321.08	321.08	321.93
1967	1	1967.042	322.06	322.06	322.07
1967	2	1967.125	322.50	322.50	321.97
1967	3	1967.208	323.04	323.04	321.72
1967	4	1967.292	324.42	324.42	322.07
1967	5	1967.375	325.00	325.00	322.30
1967	6	1967.458	324.09	324.09	321.94
1967	7	1967.542	322.55	322.55	321.64
1967	8	1967.625	320.92	320.92	322.03
1967	9	1967.708	319.31	319.31	322.20
1967	10	1967.792	319.31	319.31	322.38
1967	11	1967.875	320.72	320.72	322.76
1967	12	1967.958	321.96	321.96	322.82
1968	1	1968.042	322.57	322.57	322.59
1968	2	1968.125	323.15	323.15	322.60
1968	3	1968.208	323.89	323.89	322.62

co2_mm_mlo_mean_july08.txt

1968	4	1968.292	325.02	325.02	322.76
1968	5	1968.375	325.57	325.57	322.91
1968	6	1968.458	325.36	325.36	323.23
1968	7	1968.542	324.14	324.14	323.22
1968	8	1968.625	322.03	322.03	323.08
1968	9	1968.708	320.41	320.41	323.24
1968	10	1968.792	320.25	320.25	323.26
1968	11	1968.875	321.31	321.31	323.30
1968	12	1968.958	322.84	322.84	323.71
1969	1	1969.042	324.00	324.00	323.98
1969	2	1969.125	324.42	324.42	323.87
1969	3	1969.208	325.64	325.64	324.40
1969	4	1969.292	326.66	326.66	324.33
1969	5	1969.375	327.34	327.34	324.56
1969	6	1969.458	326.76	326.76	324.60
1969	7	1969.542	325.88	325.88	325.00
1969	8	1969.625	323.67	323.67	324.78
1969	9	1969.708	322.38	322.38	325.29
1969	10	1969.792	321.78	321.78	324.85
1969	11	1969.875	322.85	322.85	324.85
1969	12	1969.958	324.12	324.12	324.98
1970	1	1970.042	325.03	325.03	324.99
1970	2	1970.125	325.99	325.99	325.40
1970	3	1970.208	326.87	326.87	325.64
1970	4	1970.292	328.14	328.14	325.84
1970	5	1970.375	328.07	328.07	325.22
1970	6	1970.458	327.66	327.66	325.47
1970	7	1970.542	326.35	326.35	325.57
1970	8	1970.625	324.69	324.69	325.86
1970	9	1970.708	323.10	323.10	326.02
1970	10	1970.792	323.16	323.16	326.26
1970	11	1970.875	323.98	323.98	325.96
1970	12	1970.958	325.13	325.13	325.94
1971	1	1971.042	326.17	326.17	326.26
1971	2	1971.125	326.68	326.68	326.13
1971	3	1971.208	327.18	327.18	325.96
1971	4	1971.292	327.78	327.78	325.50
1971	5	1971.375	328.92	328.92	326.15
1971	6	1971.458	328.57	328.57	326.45
1971	7	1971.542	327.34	327.34	326.50
1971	8	1971.625	325.46	325.46	326.49
1971	9	1971.708	323.36	323.36	326.17
1971	10	1971.792	323.56	323.56	326.54
1971	11	1971.875	324.80	324.80	326.73
1971	12	1971.958	326.01	326.01	326.94
1972	1	1972.042	326.77	326.77	326.85
1972	2	1972.125	327.63	327.63	327.05
1972	3	1972.208	327.75	327.75	326.53
1972	4	1972.292	329.72	329.72	327.41
1972	5	1972.375	330.07	330.07	327.24
1972	6	1972.458	329.09	329.09	326.95
1972	7	1972.542	328.05	328.05	327.18
1972	8	1972.625	326.32	326.32	327.33
1972	9	1972.708	324.93	324.93	327.75
1972	10	1972.792	325.06	325.06	328.07
1972	11	1972.875	326.50	326.50	328.51
1972	12	1972.958	327.55	327.55	328.56
1973	1	1973.042	328.55	328.55	328.63
1973	2	1973.125	329.56	329.56	328.95
1973	3	1973.208	330.30	330.30	329.05
1973	4	1973.292	331.50	331.50	329.18
1973	5	1973.375	332.48	332.48	329.68
1973	6	1973.458	332.07	332.07	330.00

co2_mm_mlo_mean_july08.txt

1973	7	1973.542	330.87	330.87	330.05
1973	8	1973.625	329.31	329.31	330.33
1973	9	1973.708	327.51	327.51	330.31
1973	10	1973.792	327.18	327.18	330.15
1973	11	1973.875	328.16	328.16	330.15
1973	12	1973.958	328.64	328.64	329.67
1974	1	1974.042	329.35	329.35	329.45
1974	2	1974.125	330.71	330.71	330.10
1974	3	1974.208	331.48	331.48	330.19
1974	4	1974.292	332.65	332.65	330.25
1974	5	1974.375	333.16	333.16	330.19
1974	6	1974.458	332.06	332.06	329.87
1974	7	1974.542	330.99	330.99	330.22
1974	8	1974.625	329.17	329.17	330.30
1974	9	1974.708	327.41	327.41	330.31
1974	10	1974.792	327.20	327.20	330.27
1974	11	1974.875	328.33	328.33	330.34
1974	12	1974.958	329.50	329.50	330.51
1975	1	1975.042	330.68	330.68	330.77
1975	2	1975.125	331.41	331.41	330.81
1975	3	1975.208	331.85	331.85	330.46
1975	4	1975.292	333.29	333.29	330.74
1975	5	1975.375	333.91	333.91	330.89
1975	6	1975.458	333.40	333.40	331.16
1975	7	1975.542	331.78	331.78	331.03
1975	8	1975.625	329.88	329.88	331.12
1975	9	1975.708	328.57	328.57	331.55
1975	10	1975.792	328.46	328.46	331.59
1975	11	1975.875	329.26	329.26	331.35
1975	12	1975.958	-99.99	330.57	331.59
1976	1	1976.042	331.71	331.71	331.83
1976	2	1976.125	332.76	332.76	332.13
1976	3	1976.208	333.48	333.48	331.97
1976	4	1976.292	334.78	334.78	332.21
1976	5	1976.375	334.79	334.79	331.79
1976	6	1976.458	334.17	334.17	331.85
1976	7	1976.542	332.78	332.78	332.00
1976	8	1976.625	330.64	330.64	331.97
1976	9	1976.708	328.95	328.95	331.97
1976	10	1976.792	328.77	328.77	331.93
1976	11	1976.875	330.23	330.23	332.39
1976	12	1976.958	331.69	331.69	332.72
1977	1	1977.042	332.70	332.70	332.81
1977	2	1977.125	333.24	333.24	332.65
1977	3	1977.208	334.96	334.96	333.42
1977	4	1977.292	336.04	336.04	333.44
1977	5	1977.375	336.82	336.82	333.93
1977	6	1977.458	336.13	336.13	333.84
1977	7	1977.542	334.73	334.73	333.86
1977	8	1977.625	332.52	332.52	333.80
1977	9	1977.708	331.19	331.19	334.19
1977	10	1977.792	331.19	331.19	334.35
1977	11	1977.875	332.35	332.35	334.55
1977	12	1977.958	333.47	333.47	334.50
1978	1	1978.042	335.11	335.11	335.16
1978	2	1978.125	335.26	335.26	334.65
1978	3	1978.208	336.60	336.60	335.00
1978	4	1978.292	337.77	337.77	335.16
1978	5	1978.375	338.00	338.00	335.11
1978	6	1978.458	337.99	337.99	335.66
1978	7	1978.542	336.48	336.48	335.64
1978	8	1978.625	334.37	334.37	335.76
1978	9	1978.708	332.27	332.27	335.32

co2_mm_mlo_mean_july08.txt

1978	10	1978.792	332.40	332.40	335.61
1978	11	1978.875	333.76	333.76	335.98
1978	12	1978.958	334.83	334.83	335.80
1979	1	1979.042	336.21	336.21	336.26
1979	2	1979.125	336.64	336.64	335.99
1979	3	1979.208	338.12	338.12	336.45
1979	4	1979.292	339.02	339.02	336.36
1979	5	1979.375	339.02	339.02	336.12
1979	6	1979.458	339.20	339.20	336.88
1979	7	1979.542	337.58	337.58	336.78
1979	8	1979.625	335.55	335.55	337.01
1979	9	1979.708	333.89	333.89	337.01
1979	10	1979.792	334.14	334.14	337.36
1979	11	1979.875	335.26	335.26	337.47
1979	12	1979.958	336.71	336.71	337.66
1980	1	1980.042	337.80	337.80	337.91
1980	2	1980.125	338.29	338.29	337.68
1980	3	1980.208	340.04	340.04	338.38
1980	4	1980.292	340.86	340.86	338.16
1980	5	1980.375	341.47	341.47	338.41
1980	6	1980.458	341.26	341.26	338.78
1980	7	1980.542	339.29	339.29	338.48
1980	8	1980.625	337.60	337.60	339.12
1980	9	1980.708	336.12	336.12	339.33
1980	10	1980.792	336.08	336.08	339.39
1980	11	1980.875	337.22	337.22	339.44
1980	12	1980.958	338.34	338.34	339.29
1981	1	1981.042	339.36	339.36	339.40
1981	2	1981.125	340.51	340.51	339.87
1981	3	1981.208	341.57	341.57	339.98
1981	4	1981.292	342.56	342.56	339.93
1981	5	1981.375	343.01	343.01	339.99
1981	6	1981.458	342.47	342.47	340.05
1981	7	1981.542	340.71	340.71	339.88
1981	8	1981.625	338.52	338.52	340.00
1981	9	1981.708	336.96	336.96	340.16
1981	10	1981.792	337.13	337.13	340.41
1981	11	1981.875	338.58	338.58	340.76
1981	12	1981.958	339.89	339.89	340.83
1982	1	1982.042	340.93	340.93	341.02
1982	2	1982.125	341.69	341.69	341.03
1982	3	1982.208	342.69	342.69	341.05
1982	4	1982.292	343.79	343.79	341.15
1982	5	1982.375	344.30	344.30	341.28
1982	6	1982.458	343.43	343.43	341.01
1982	7	1982.542	341.88	341.88	341.06
1982	8	1982.625	339.89	339.89	341.35
1982	9	1982.708	337.96	337.96	341.21
1982	10	1982.792	338.10	338.10	341.43
1982	11	1982.875	339.26	339.26	341.40
1982	12	1982.958	340.67	340.67	341.58
1983	1	1983.042	341.42	341.42	341.52
1983	2	1983.125	342.68	342.68	342.06
1983	3	1983.208	343.45	343.45	341.89
1983	4	1983.292	345.10	345.10	342.45
1983	5	1983.375	345.76	345.76	342.60
1983	6	1983.458	345.36	345.36	342.90
1983	7	1983.542	343.91	343.91	343.18
1983	8	1983.625	342.05	342.05	343.54
1983	9	1983.708	340.00	340.00	343.22
1983	10	1983.792	340.12	340.12	343.46
1983	11	1983.875	341.33	341.33	343.46
1983	12	1983.958	342.94	342.94	343.83

co2_mm_mlo_mean_july08.txt

1984	1	1984.042	343.87	343.87	343.94
1984	2	1984.125	344.60	344.60	344.00
1984	3	1984.208	345.20	345.20	343.72
1984	4	1984.292	-99.99	346.55	343.95
1984	5	1984.375	347.36	347.36	344.17
1984	6	1984.458	346.74	346.74	344.28
1984	7	1984.542	345.41	345.41	344.71
1984	8	1984.625	343.01	343.01	344.48
1984	9	1984.708	341.23	341.23	344.40
1984	10	1984.792	341.52	341.52	344.83
1984	11	1984.875	342.86	342.86	344.99
1984	12	1984.958	344.41	344.41	345.30
1985	1	1985.042	345.09	345.09	345.12
1985	2	1985.125	345.89	345.89	345.27
1985	3	1985.208	347.50	347.50	346.03
1985	4	1985.292	348.00	348.00	345.40
1985	5	1985.375	348.75	348.75	345.55
1985	6	1985.458	348.19	348.19	345.71
1985	7	1985.542	346.54	346.54	345.83
1985	8	1985.625	344.63	344.63	346.12
1985	9	1985.708	343.03	343.03	346.24
1985	10	1985.792	342.92	342.92	346.24
1985	11	1985.875	344.24	344.24	346.37
1985	12	1985.958	345.62	345.62	346.51
1986	1	1986.042	346.43	346.43	346.44
1986	2	1986.125	346.94	346.94	346.36
1986	3	1986.208	347.88	347.88	346.52
1986	4	1986.292	349.57	349.57	347.02
1986	5	1986.375	350.35	350.35	347.22
1986	6	1986.458	349.72	349.72	347.29
1986	7	1986.542	347.78	347.78	346.98
1986	8	1986.625	345.86	345.86	347.25
1986	9	1986.708	344.84	344.84	347.98
1986	10	1986.792	344.32	344.32	347.58
1986	11	1986.875	345.67	345.67	347.81
1986	12	1986.958	346.88	346.88	347.80
1987	1	1987.042	348.19	348.19	348.13
1987	2	1987.125	348.55	348.55	347.91
1987	3	1987.208	349.52	349.52	348.15
1987	4	1987.292	351.12	351.12	348.62
1987	5	1987.375	351.84	351.84	348.82
1987	6	1987.458	351.49	351.49	349.15
1987	7	1987.542	349.82	349.82	349.04
1987	8	1987.625	347.63	347.63	349.02
1987	9	1987.708	346.38	346.38	349.52
1987	10	1987.792	346.49	346.49	349.70
1987	11	1987.875	347.75	347.75	349.85
1987	12	1987.958	349.03	349.03	349.91
1988	1	1988.042	350.20	350.20	350.20
1988	2	1988.125	351.61	351.61	350.99
1988	3	1988.208	352.22	352.22	350.77
1988	4	1988.292	353.53	353.53	350.93
1988	5	1988.375	354.14	354.14	351.07
1988	6	1988.458	353.62	353.62	351.27
1988	7	1988.542	352.53	352.53	351.80
1988	8	1988.625	350.41	350.41	351.88
1988	9	1988.708	348.84	348.84	352.01
1988	10	1988.792	348.94	348.94	352.14
1988	11	1988.875	350.04	350.04	352.12
1988	12	1988.958	351.29	351.29	352.16
1989	1	1989.042	352.72	352.72	352.69
1989	2	1989.125	353.10	353.10	352.47
1989	3	1989.208	353.65	353.65	352.24

co2_mm_mlo_mean_july08.txt

1989	4	1989.292	355.43	355.43	352.83
1989	5	1989.375	355.70	355.70	352.57
1989	6	1989.458	355.11	355.11	352.72
1989	7	1989.542	353.79	353.79	353.09
1989	8	1989.625	351.42	351.42	352.92
1989	9	1989.708	349.81	349.81	352.99
1989	10	1989.792	350.11	350.11	353.32
1989	11	1989.875	351.26	351.26	353.36
1989	12	1989.958	352.63	352.63	353.53
1990	1	1990.042	353.64	353.64	353.59
1990	2	1990.125	354.72	354.72	354.00
1990	3	1990.208	355.49	355.49	354.02
1990	4	1990.292	356.09	356.09	353.48
1990	5	1990.375	357.08	357.08	353.90
1990	6	1990.458	356.11	356.11	353.68
1990	7	1990.542	354.70	354.70	354.04
1990	8	1990.625	352.68	352.68	354.27
1990	9	1990.708	351.05	351.05	354.28
1990	10	1990.792	351.36	351.36	354.60
1990	11	1990.875	352.81	352.81	354.95
1990	12	1990.958	354.22	354.22	355.16
1991	1	1991.042	354.85	354.85	354.75
1991	2	1991.125	355.67	355.67	354.84
1991	3	1991.208	357.04	357.04	355.44
1991	4	1991.292	358.40	358.40	355.67
1991	5	1991.375	359.00	359.00	355.73
1991	6	1991.458	357.99	357.99	355.56
1991	7	1991.542	356.00	356.00	355.43
1991	8	1991.625	353.78	353.78	355.52
1991	9	1991.708	352.20	352.20	355.57
1991	10	1991.792	352.22	352.22	355.53
1991	11	1991.875	353.70	353.70	355.86
1991	12	1991.958	354.98	354.98	355.92
1992	1	1992.042	356.09	356.09	355.98
1992	2	1992.125	356.85	356.85	356.05
1992	3	1992.208	357.73	357.73	356.14
1992	4	1992.292	358.91	358.91	356.15
1992	5	1992.375	359.45	359.45	356.17
1992	6	1992.458	359.19	359.19	356.77
1992	7	1992.542	356.72	356.72	356.18
1992	8	1992.625	354.79	354.79	356.55
1992	9	1992.708	352.79	352.79	356.20
1992	10	1992.792	353.20	353.20	356.53
1992	11	1992.875	354.15	354.15	356.27
1992	12	1992.958	355.39	355.39	356.27
1993	1	1993.042	356.77	356.77	356.68
1993	2	1993.125	357.17	357.17	356.28
1993	3	1993.208	358.26	358.26	356.56
1993	4	1993.292	359.17	359.17	356.47
1993	5	1993.375	360.07	360.07	356.86
1993	6	1993.458	359.41	359.41	356.97
1993	7	1993.542	357.44	357.44	356.91
1993	8	1993.625	355.30	355.30	357.10
1993	9	1993.708	353.87	353.87	357.29
1993	10	1993.792	354.04	354.04	357.39
1993	11	1993.875	355.27	355.27	357.39
1993	12	1993.958	356.70	356.70	357.57
1994	1	1994.042	357.99	357.99	357.91
1994	2	1994.125	358.81	358.81	358.00
1994	3	1994.208	359.68	359.68	358.06
1994	4	1994.292	361.13	361.13	358.41
1994	5	1994.375	361.48	361.48	358.29
1994	6	1994.458	360.60	360.60	358.24

co2_mm_mlo_mean_july08.txt

1994	7	1994.542	359.20	359.20	358.61
1994	8	1994.625	357.23	357.23	358.91
1994	9	1994.708	355.42	355.42	358.80
1994	10	1994.792	355.89	355.89	359.22
1994	11	1994.875	357.41	357.41	359.51
1994	12	1994.958	358.74	358.74	359.63
1995	1	1995.042	359.73	359.73	359.60
1995	2	1995.125	360.61	360.61	359.77
1995	3	1995.208	361.58	361.58	359.97
1995	4	1995.292	363.05	363.05	360.35
1995	5	1995.375	363.62	363.62	360.41
1995	6	1995.458	363.03	363.03	360.61
1995	7	1995.542	361.55	361.55	360.93
1995	8	1995.625	358.94	358.94	360.63
1995	9	1995.708	357.93	357.93	361.36
1995	10	1995.792	357.80	357.80	361.18
1995	11	1995.875	359.22	359.22	361.35
1995	12	1995.958	360.44	360.44	361.31
1996	1	1996.042	361.83	361.83	361.66
1996	2	1996.125	362.95	362.95	362.13
1996	3	1996.208	363.91	363.91	362.35
1996	4	1996.292	364.28	364.28	361.63
1996	5	1996.375	364.93	364.93	361.92
1996	6	1996.458	364.70	364.70	362.48
1996	7	1996.542	363.31	363.31	362.60
1996	8	1996.625	361.15	361.15	362.68
1996	9	1996.708	359.39	359.39	362.76
1996	10	1996.792	359.34	359.34	362.65
1996	11	1996.875	360.62	360.62	362.71
1996	12	1996.958	361.96	361.96	362.82
1997	1	1997.042	362.81	362.81	362.62
1997	2	1997.125	363.87	363.87	363.07
1997	3	1997.208	364.25	364.25	362.66
1997	4	1997.292	366.02	366.02	363.37
1997	5	1997.375	366.46	366.46	363.56
1997	6	1997.458	365.32	365.32	363.13
1997	7	1997.542	364.08	364.08	363.30
1997	8	1997.625	361.95	361.95	363.48
1997	9	1997.708	360.06	360.06	363.47
1997	10	1997.792	360.49	360.49	363.79
1997	11	1997.875	362.19	362.19	364.25
1997	12	1997.958	364.12	364.12	364.92
1998	1	1998.042	364.99	364.99	364.82
1998	2	1998.125	365.82	365.82	365.02
1998	3	1998.208	366.95	366.95	365.36
1998	4	1998.292	368.42	368.42	365.83
1998	5	1998.375	369.33	369.33	366.46
1998	6	1998.458	368.78	368.78	366.60
1998	7	1998.542	367.59	367.59	366.86
1998	8	1998.625	365.84	365.84	367.36
1998	9	1998.708	363.83	363.83	367.18
1998	10	1998.792	364.18	364.18	367.47
1998	11	1998.875	365.34	365.34	367.35
1998	12	1998.958	366.93	366.93	367.69
1999	1	1999.042	367.94	367.94	367.74
1999	2	1999.125	368.82	368.82	367.99
1999	3	1999.208	369.46	369.46	367.87
1999	4	1999.292	370.77	370.77	368.23
1999	5	1999.375	370.66	370.66	367.81
1999	6	1999.458	370.10	370.10	367.90
1999	7	1999.542	369.08	369.08	368.36
1999	8	1999.625	366.66	366.66	368.20
1999	9	1999.708	364.60	364.60	367.91

co2_mm_mlo_mean_july08.txt

1999	10	1999.792	365.17	365.17	368.44
1999	11	1999.875	366.51	366.51	368.54
1999	12	1999.958	367.89	367.89	368.64
2000	1	2000.042	369.04	369.04	368.83
2000	2	2000.125	369.35	369.35	368.58
2000	3	2000.208	370.38	370.38	368.85
2000	4	2000.292	371.63	371.63	369.06
2000	5	2000.375	371.32	371.32	368.40
2000	6	2000.458	371.53	371.53	369.32
2000	7	2000.542	369.75	369.75	369.08
2000	8	2000.625	368.23	368.23	369.78
2000	9	2000.708	366.87	366.87	370.18
2000	10	2000.792	366.94	366.94	370.23
2000	11	2000.875	368.27	368.27	370.30
2000	12	2000.958	369.64	369.64	370.34
2001	1	2001.042	370.46	370.46	370.24
2001	2	2001.125	371.44	371.44	370.66
2001	3	2001.208	372.37	372.37	370.78
2001	4	2001.292	373.32	373.32	370.72
2001	5	2001.375	373.77	373.77	370.84
2001	6	2001.458	373.09	373.09	370.87
2001	7	2001.542	371.51	371.51	370.90
2001	8	2001.625	369.55	369.55	371.19
2001	9	2001.708	368.12	368.12	371.47
2001	10	2001.792	368.38	368.38	371.69
2001	11	2001.875	369.66	369.66	371.68
2001	12	2001.958	371.11	371.11	371.79
2002	1	2002.042	372.36	372.36	372.18
2002	2	2002.125	373.09	373.09	372.27
2002	3	2002.208	373.81	373.81	372.17
2002	4	2002.292	374.93	374.93	372.33
2002	5	2002.375	375.58	375.58	372.70
2002	6	2002.458	375.44	375.44	373.31
2002	7	2002.542	373.86	373.86	373.28
2002	8	2002.625	371.77	371.77	373.35
2002	9	2002.708	370.73	370.73	374.00
2002	10	2002.792	370.50	370.50	373.76
2002	11	2002.875	372.19	372.19	374.18
2002	12	2002.958	373.70	373.70	374.40
2003	1	2003.042	374.92	374.92	374.73
2003	2	2003.125	375.62	375.62	374.82
2003	3	2003.208	376.51	376.51	374.91
2003	4	2003.292	377.75	377.75	375.12
2003	5	2003.375	378.54	378.54	375.60
2003	6	2003.458	378.20	378.20	376.04
2003	7	2003.542	376.68	376.68	376.08
2003	8	2003.625	374.43	374.43	375.99
2003	9	2003.708	373.11	373.11	376.41
2003	10	2003.792	373.10	373.10	376.40
2003	11	2003.875	374.77	374.77	376.80
2003	12	2003.958	375.97	375.97	376.69
2004	1	2004.042	377.03	377.03	376.79
2004	2	2004.125	377.87	377.87	377.03
2004	3	2004.208	378.88	378.88	377.35
2004	4	2004.292	380.42	380.42	377.80
2004	5	2004.375	380.62	380.62	377.46
2004	6	2004.458	379.71	379.71	377.47
2004	7	2004.542	377.43	377.43	377.04
2004	8	2004.625	376.32	376.32	378.00
2004	9	2004.708	374.19	374.19	377.44
2004	10	2004.792	374.47	374.47	377.78
2004	11	2004.875	376.15	376.15	378.21
2004	12	2004.958	377.51	377.51	378.23

co2_mm_mlo_mean_july08.txt

2005	1	2005.042	378.43	378.43	378.19
2005	2	2005.125	379.70	379.70	378.85
2005	3	2005.208	380.92	380.92	379.38
2005	4	2005.292	382.18	382.18	379.56
2005	5	2005.375	382.45	382.45	379.30
2005	6	2005.458	382.14	382.14	379.90
2005	7	2005.542	380.60	380.60	380.20
2005	8	2005.625	378.64	378.64	380.32
2005	9	2005.708	376.73	376.73	379.99
2005	10	2005.792	376.84	376.84	380.14
2005	11	2005.875	378.29	378.29	380.36
2005	12	2005.958	380.06	380.06	380.79
2006	1	2006.042	381.40	381.40	381.17
2006	2	2006.125	382.20	382.20	381.35
2006	3	2006.208	382.66	382.66	381.12
2006	4	2006.292	384.69	384.69	382.07
2006	5	2006.375	384.94	384.94	381.79
2006	6	2006.458	384.01	384.01	381.77
2006	7	2006.542	382.14	382.14	381.75
2006	8	2006.625	380.31	380.31	381.99
2006	9	2006.708	378.81	378.81	382.07
2006	10	2006.792	379.03	379.03	382.34
2006	11	2006.875	380.17	380.17	382.23
2006	12	2006.958	381.85	381.85	382.57
2007	1	2007.042	382.94	382.94	382.70
2007	2	2007.125	383.86	383.86	383.01
2007	3	2007.208	384.49	384.49	382.95
2007	4	2007.292	386.37	386.37	383.75
2007	5	2007.375	386.54	386.54	383.38
2007	6	2007.458	385.98	385.98	383.75
2007	7	2007.542	384.35	384.35	383.96
2007	8	2007.625	381.85	381.85	383.53
2007	9	2007.708	380.74	380.74	384.00
2007	10	2007.792	381.15	381.15	384.46
2007	11	2007.875	382.38	382.38	384.45
2007	12	2007.958	383.94	383.94	384.66
2008	1	2008.042	385.35	385.35	385.11
2008	2	2008.125	385.70	385.70	384.85
2008	3	2008.208	385.92	385.92	384.38
2008	4	2008.292	387.21	387.21	384.59
2008	5	2008.375	388.48	388.48	385.33
2008	6	2008.458	387.99	387.99	385.76
2008	7	2008.542	384.93	384.93	384.54