Year	Month	Decimal	CO2(ppm)	IntCO2(ppm)				Yearly Averages	Year	Residual		Slope and Intercept		Year	Log(Yearly Average CO2)		Slope and Intercept (Exponential Fit)		
1958	3	1958.208	315.71	315.71	314.62	-1		315.9741667	1959	7.492788136		1.551743327		1959	2.499651577		0.001897362374		
1958	4	1958.292	317.45	317.45	315.29	-1		316.9075	1960	6.874378141		-2731.3838		1960	2.500932517		-1.224808111		
1958	5	1958.375	317.5	317.5	314.71	-1		317.6375	1961	6.052634814				1961	2.501931769				
1958	6	1958.458	-99.99	317.1	314.85	-1		318.4508333	1962	5.31422482				1962	2.50304239		Exp Model		
1958	7	1958.542	315.86	315.86	314.98	-1		318.9941667	1963	4.305814826				1963	2.503782741				
1958	8	1958.625	314.93	314.93	315.94	-1		319.6175	1964	3.377404831				1964	2.50463055		1.004378396	(that is, growing at .4 % per year)	
1958	9	1958.708	313.2	313.2	315.91	-1		320.0441667	1965	2.252328171				1965	2.505209916		0.05959253898		
1958	10	1958.792	-99.99	312.66	315.61	-1		321.3833333	1966	2.03975151				1966	2.507023351				
1958	11	1958.875	313.33	313.33	315.31	-1		322.1575	1967	1.262174849				1967	2.508068246		Yearly CO2 = .05959*(1.00438)^x, x years after 1959		
1958	12	1958.958	314.67	314.67	315.61	-1		323.045	1968	0.5979315215				1968	2.509263024				
1959	1	1959.042	315.62	315.62	315.7	-1		324.6241667	1969	0.6253548607				1969	2.511380848				
1959	2	1959.125	316.38	316.38	315.88	-1		325.68	1970	0.1294448665				1970	2.512791089				
1959	3	1959.208	316.71	316.71	315.62	-1		326.32	1971	-0.7822984609				1971	2.513643692				
1959	4	1959.292	317.72	317.72	315.56	-1		327.4533333	1972	-1.200708455				1972	2.515149416				
1959	5	1959.375	318.29	318.29	315.5	-1		329.6766667	1973	-0.5291184493				1973	2.51808821				
1959	6	1959.458	318.15	318.15	315.92	-1		330.185	1974	-1.572528443				1974	2.51875734				
1959	7	1959.542	316.54	316.54	315.66	-1		331.1158333	1975	-2.193438438				1975	2.519979948				
1959	8	1959.625	314.8	314.8	315.81	-1		332.04	1976	-2.821015098				1976	2.521190405				
1959	9	1959.708	313.84	313.84	316.55	-1		333.8316667	1977	-2.581091759				1977	2.523527531				
1959	10	1959.792	313.26	313.26	316.19	-1		335.4033333	1978	-2.56116842				1978	2.525567374				
1959	11	1959.875	314.8	314.8	316.78	-1		336.8416667	1979	-2.674578414				1979	2.527425808				
1959	12	1959.958	315.58	315.58	316.52	-1		338.7516667	1980	-2.316321742				1980	2.529881441				
1960	1	1960.042	316.43	316.43	316.51	-1		340.105	1981	-2.514731736				1981	2.531613017				
1960	2	1960.125	316.97	316.97	316.47	-1		341.4475	1982	-2.723975063				1982	2.533323937				
1960	3	1960.208	317.58	317.58	316.49	-1		343.0541667	1983	-2.669051724				1983	2.535362699				
1960	4	1960.292	319.02	319.02	316.86	-1		344.65	1984	-2.624961718				1984	2.537378283				
1960	5	1960.375	320.03	320.03	317.24	-1		346.1158333	1985	-2.710871712				1985	2.539221467				
1960	6	1960.458	319.59	319.59	317.36	-1		347.4208333	1986	-2.95761504				1986	2.540855858				
1960	7	1960.542	318.18	318.18	317.3	-1		349.1941667	1987	-2.736025034				1987	2.54306698				
1960	8	1960.625	315.91	315.91	316.92	-1		351.5675	1988	-1.914435028				1988	2.546008721				
1960	9	1960.708	314.16	314.16	316.87	-1		353.1208333	1989	-1.912845022				1989	2.547923341				
1960	10	1960.792	313.83	313.83	316.76	-1		354.3941667	1990	-2.191255017				1990	2.549486565				
1960	11	1960.875	315	315	316.98	-1		355.6075	1991	-2.529665011				1991	2.550970912				
1960	12	1960.958	316.19	316.19	317.13	-1		356.4458333	1992	-3.243075005				1992	2.551993542				
1961	1	1961.042	316.93	316.93	317.03	-1		357.1	1993	-4.140651666				1993	2.55278985				
1961	2	1961.125	317.7	317.7	317.28	-1		358.8325	1994	-3.959894993				1994	2.554891771				
1961	3	1961.208	318.54	318.54	317.47	-1		360.82	1995	-3.524138321				1995	2.557290602				
1961	4	1961.292	319.48	319.48	317.27	-1		362.6066667	1996	-3.289214981				1996	2.559435785				
1961	5	1961.375	320.58	320.58	317.7	-1		363.7291667	1997	-3.718458309				1997	2.560778128				
1961	6	1961.458	319.77	319.77	317.48	-1		366.6991667	1998	-2.300201636				1998	2.564309923				
1961	7	1961.542	318.57	318.57	317.7	-1		368.3775	1999	-2.173611631				1999	2.566293096				
1961	8	1961.625	316.79	316.79	317.8	-1		369.5483333	2000	-2.554521625				2000	2.567671248				
1961	9	1961.708	314.8	314.8	317.49	-1		371.1425	2001	-2.512098286				2001	2.569540689				
1961	10	1961.792	315.38	315.38	318.35	-1		373.2791667	2002	-1.927174946				2002	2.572033752				
1961	11	1961.875	316.1	316.1	318.13	-1		375.8016667	2003	-0.9564182739				2003	2.574958702				
1961	12	1961.958	317.01	317.01	317.94	-1		377.5225	2004	-0.7873282681				2004	2.57694284				
1962	1	1962.042	317.94	317.94	318.06	-1		379.7958333	2005	-0.06573826223				2005	2.579550196				
1962	2	1962.125	318.56	318.56	318.11	-1		381.8958333	2006	0.4825184103				2006	2.58194492				
1962	3	1962.208	319.68	319.68	318.57	-1		383.7916667	2007	0.8266084161				2007	2.584095541				
1962	4	1962.292	320.63	320.63	318.45	-1		385.6041667	2008	1.087365089				2008	2.586141718				
1962	5	1962.375	321.01	321.01	318.2	-1		387.43	2009	1.361455094				2009	2.588193247				
1962	6	1962.458	320.55	320.55	318.27	-1		389.8991667	2010	2.278878434				2010	2.590952307				
1962	7	1962.542	319.58	319.58	318.67	-1		391.6516667	2011	2.479635106				2011	2.592899979				
1962	8	1962.625	317.4	317.4	318.48	-1		393.8533333	2012	3.129558445				2012	2.595334525				
1962	9	1962.708	316.26	316.26	319.03	-1		396.5208333	2013	4.245315118				2013	2.59826601				
1962	10	1962.792	315.42	315.42	318.33	-1		398.6475	2014	4.820238457				2014	2.600589045				
1962	11	1962.875	316.69	316.69	318.62	-1		400.8341667	2015	5.455161796				2015	2.602964733				
1962	12	1962.958	317.69	317.69	318.61	-1		404.2391667	2016	7.308418469				2016	2.60663839				
1963	1	1963.042	318.74	318.74	318.91	-1		406.5533333	2017	8.070841808	406.5533333			2017	2.609117526				
1963	2	1963.125	319.08	319.08	318.68	-1													
1963	3	1963.208	319.86	319.86	318.69	-1													
1963	4	1963.292	321.39	321.39	319.09	-1													
1963	5	1963.375	322.25	322.25	319.39	-1													
1963	6	1963.458	321.47	321.47	319.16	-1													
1963	7	1963.542	319.74	319.74	318.77	-1													
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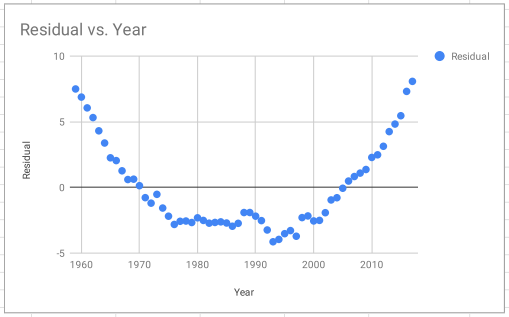
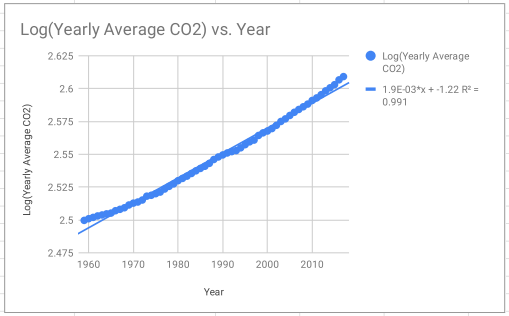
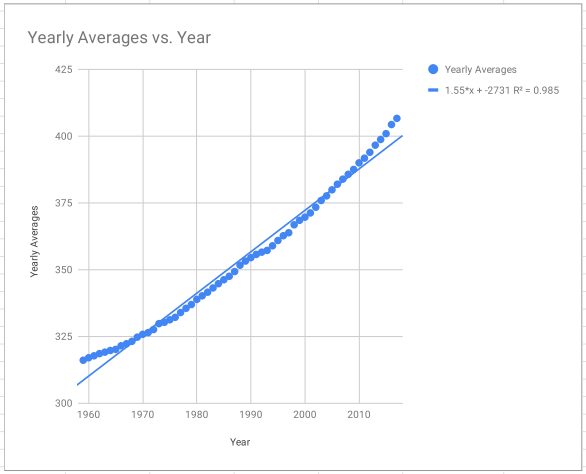
1963	9	1963.708	316.21	316.21	319.06	-1													
1963	10	1963.792	315.99	315.99	319	-1													
1963	11	1963.875	317.12	317.12	319.1	-1													
1963	12	1963.958	318.31	318.31	319.25	-1													
1964	1	1964.042	319.57	319.57	319.67	-1													
1964	2	1964.125	-99.99	320.07	319.61	-1													
1964	3	1964.208	-99.99	320.73	319.55	-1													
1964	4	1964.292	-99.99	321.77	319.48	-1													
1964	5	1964.375	322.25	322.25	319.42	-1													

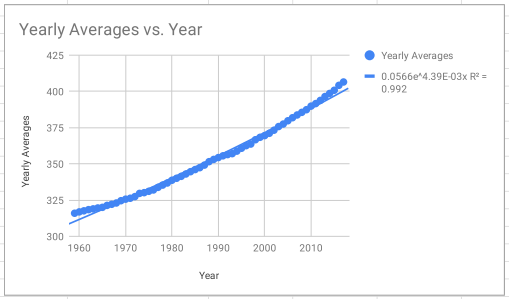
1964	6	1964.458	321.89	321.89	319.69	-1
1964	7	1964.542	320.44	320.44	319.58	-1
1964	8	1964.625	318.7	318.7	319.81	-1
1964	9	1964.708	316.7	316.7	319.56	-1
1964	10	1964.792	316.79	316.79	319.78	-1
1964	11	1964.875	317.79	317.79	319.72	-1
1964	12	1964.958	318.71	318.71	319.59	-1
1965	1	1965.042	319.44	319.44	319.48	-1
1965	2	1965.125	320.44	320.44	319.97	-1
1965	3	1965.208	320.89	320.89	319.65	-1
1965	4	1965.292	322.13	322.13	319.8	-1
1965	5	1965.375	322.16	322.16	319.36	-1
1965	6	1965.458	321.87	321.87	319.65	-1
1965	7	1965.542	321.39	321.39	320.51	-1
1965	8	1965.625	318.81	318.81	319.93	-1
1965	9	1965.708	317.81	317.81	320.68	-1
1965	10	1965.792	317.3	317.3	320.36	-1
1965	11	1965.875	318.87	318.87	320.87	-1
1965	12	1965.958	319.42	319.42	320.26	-1
1966	1	1966.042	320.62	320.62	320.63	-1
1966	2	1966.125	321.59	321.59	321.1	-1
1966	3	1966.208	322.39	322.39	321.16	-1
1966	4	1966.292	323.87	323.87	321.51	-1
1966	5	1966.375	324.01	324.01	321.18	-1
1966	6	1966.458	323.75	323.75	321.52	-1
1966	7	1966.542	322.39	322.39	321.49	-1
1966	8	1966.625	320.37	320.37	321.5	-1
1966	9	1966.708	318.64	318.64	321.54	-1
1966	10	1966.792	318.1	318.1	321.18	-1
1966	11	1966.875	319.79	319.79	321.84	-1
1966	12	1966.958	321.08	321.08	321.95	-1
1967	1	1967.042	322.07	322.07	322.07	-1
1967	2	1967.125	322.5	322.5	321.94	-1
1967	3	1967.208	323.04	323.04	321.72	-1
1967	4	1967.292	324.42	324.42	322.05	-1
1967	5	1967.375	325	325	322.27	-1
1967	6	1967.458	324.09	324.09	321.94	-1
1967	7	1967.542	322.55	322.55	321.66	-1
1967	8	1967.625	320.92	320.92	322.04	-1
1967	9	1967.708	319.31	319.31	322.19	-1
1967	10	1967.792	319.31	319.31	322.36	-1
1967	11	1967.875	320.72	320.72	322.78	-1
1967	12	1967.958	321.96	321.96	322.86	-1
1968	1	1968.042	322.57	322.57	322.55	-1
1968	2	1968.125	323.15	323.15	322.56	-1
1968	3	1968.208	323.89	323.89	322.59	-1
1968	4	1968.292	325.02	325.02	322.73	-1
1968	5	1968.375	325.57	325.57	322.87	-1
1968	6	1968.458	325.36	325.36	323.2	-1
1968	7	1968.542	324.14	324.14	323.25	-1
1968	8	1968.625	322.03	322.03	323.15	-1
1968	9	1968.708	320.41	320.41	323.31	-1
1968	10	1968.792	320.25	320.25	323.32	-1
1968	11	1968.875	321.31	321.31	323.32	-1
1968	12	1968.958	322.84	322.84	323.69	-1
1969	1	1969.042	324	324	323.98	-1
1969	2	1969.125	324.42	324.42	323.89	-1
1969	3	1969.208	325.64	325.64	324.41	-1
1969	4	1969.292	326.66	326.66	324.35	-1
1969	5	1969.375	327.34	327.34	324.57	-1
1969	6	1969.458	326.76	326.76	324.63	-1
1969	7	1969.542	325.88	325.88	325.08	-1
1969	8	1969.625	323.67	323.67	324.8	-1
1969	9	1969.708	322.38	322.38	325.28	-1
1969	10	1969.792	321.78	321.78	324.84	-1
1969	11	1969.875	322.85	322.85	324.78	-1
1969	12	1969.958	324.11	324.11	324.88	-1
1970	1	1970.042	325.03	325.03	325.04	-1
1970	2	1970.125	325.99	325.99	325.42	-1
1970	3	1970.208	326.87	326.87	325.69	-1
1970	4	1970.292	328.13	328.13	325.86	-1
1970	5	1970.375	328.07	328.07	325.27	-1
1970	6	1970.458	327.66	327.66	325.52	-1
1970	7	1970.542	326.35	326.35	325.51	-1
1970	8	1970.625	324.69	324.69	325.76	-1
1970	9	1970.708	323.1	323.1	325.93	-1





1.00439965 This is our a from before (up to rounding)





1970	10	1970.792	323.16	323.16	326.15	-1
1970	11	1970.875	323.98	323.98	325.96	-1
1970	12	1970.958	325.13	325.13	326.06	-1
1971	1	1971.042	326.17	326.17	326.25	-1
1971	2	1971.125	326.68	326.68	326.1	-1
1971	3	1971.208	327.18	327.18	325.94	-1
1971	4	1971.292	327.78	327.78	325.47	-1
1971	5	1971.375	328.92	328.92	326.11	-1
1971	6	1971.458	328.57	328.57	326.4	-1
1971	7	1971.542	327.34	327.34	326.45	-1
1971	8	1971.625	325.46	325.46	326.49	-1
1971	9	1971.708	323.36	323.36	326.19	-1
1971	10	1971.792	323.57	323.57	326.58	-1
1971	11	1971.875	324.8	324.8	326.82	-1
1971	12	1971.958	326.01	326.01	327.02	-1
1972	1	1972.042	326.77	326.77	326.85	-1
1972	2	1972.125	327.63	327.63	327.04	-1
1972	3	1972.208	327.75	327.75	326.53	-1
1972	4	1972.292	329.72	329.72	327.42	-1
1972	5	1972.375	330.07	330.07	327.23	-1
1972	6	1972.458	329.09	329.09	326.92	-1
1972	7	1972.542	328.05	328.05	327.2	-1
1972	8	1972.625	326.32	326.32	327.37	-1
1972	9	1972.708	324.93	324.93	327.76	-1
1972	10	1972.792	325.06	325.06	328.06	-1
1972	11	1972.875	326.5	326.5	328.5	-1
1972	12	1972.958	327.55	327.55	328.55	-1
1973	1	1973.042	328.54	328.54	328.58	-1
1973	2	1973.125	329.56	329.56	328.86	-1
1973	3	1973.208	330.3	330.3	328.99	-1
1973	4	1973.292	331.5	331.5	329.14	-1
1973	5	1973.375	332.48	332.48	329.62	-1
1973	6	1973.458	332.07	332.07	329.94	-1
1973	7	1973.542	330.87	330.87	330.05	-1
1973	8	1973.625	329.31	329.31	330.42	-1
1973	9	1973.708	327.51	327.51	330.45	-1
1973	10	1973.792	327.18	327.18	330.23	-1
1973	11	1973.875	328.16	328.16	330.16	-1
1973	12	1973.958	328.64	328.64	329.66	-1
1974	1	1974.042	329.35	329.35	329.45	-1
1974	2	1974.125	330.71	330.71	330.12	-1
1974	3	1974.208	331.48	331.48	330.2	-1
1974	4	1974.292	332.65	332.65	330.26	-1
1974	5	1974.375	333.2	333.2	330.27	14
1974	6	1974.458	332.16	332.16	329.94	26
1974	7	1974.542	331.07	331.07	330.23	24
1974	8	1974.625	329.12	329.12	330.26	27
1974	9	1974.708	327.32	327.32	330.28	24
1974	10	1974.792	327.28	327.28	330.36	24
1974	11	1974.875	328.3	328.3	330.28	27
1974	12	1974.958	329.58	329.58	330.55	28
1975	1	1975.042	330.73	330.73	330.89	29
1975	2	1975.125	331.46	331.46	330.93	26
1975	3	1975.208	331.9	331.9	330.54	18
1975	4	1975.292	333.17	333.17	330.67	25
1975	5	1975.375	333.94	333.94	330.98	28
1975	6	1975.458	333.45	333.45	331.2	26
1975	7	1975.542	331.98	331.98	331.12	24
1975	8	1975.625	329.95	329.95	331.11	24
1975	9	1975.708	328.5	328.5	331.48	23
1975	10	1975.792	328.35	328.35	331.46	12
1975	11	1975.875	329.37	329.37	331.41	19
1975	12	1975.958	-99.99	330.59	331.6	0
1976	1	1976.042	331.59	331.59	331.79	20
1976	2	1976.125	332.75	332.75	332.2	22
1976	3	1976.208	333.52	333.52	332.05	20
1976	4	1976.292	334.64	334.64	332.13	19
1976	5	1976.375	334.77	334.77	331.84	22
1976	6	1976.458	334	334	331.65	17
1976	7	1976.542	333.06	333.06	332.14	16
1976	8	1976.625	330.68	330.68	331.88	23
1976	9	1976.708	328.95	328.95	331.94	13
1976	10	1976.792	328.75	328.75	331.92	20
1976	11	1976.875	330.15	330.15	332.29	25
1976	12	1976.958	331.62	331.62	332.66	20
1977	1	1977.042	332.66	332.66	332.76	24

1977	2	1977.125	333.13	333.13	332.51	19
1977	3	1977.208	334.95	334.95	333.35	23
1977	4	1977.292	336.13	336.13	333.51	21
1977	5	1977.375	336.93	336.93	333.98	20
1977	6	1977.458	336.17	336.17	333.8	22
1977	7	1977.542	334.88	334.88	334.02	21
1977	8	1977.625	332.56	332.56	333.91	18
1977	9	1977.708	331.29	331.29	334.36	19
1977	10	1977.792	331.27	331.27	334.52	23
1977	11	1977.875	332.41	332.41	334.64	21
1977	12	1977.958	333.6	333.6	334.61	26
1978	1	1978.042	334.95	334.95	335.01	22
1978	2	1978.125	335.25	335.25	334.58	25
1978	3	1978.208	336.66	336.66	335	28
1978	4	1978.292	337.69	337.69	335.06	18
1978	5	1978.375	338.03	338.03	335.06	26
1978	6	1978.458	338.01	338.01	335.59	17
1978	7	1978.542	336.41	336.41	335.57	22
1978	8	1978.625	334.41	334.41	335.87	19
1978	9	1978.708	332.37	332.37	335.51	17
1978	10	1978.792	332.41	332.41	335.68	23
1978	11	1978.875	333.75	333.75	335.99	24
1978	12	1978.958	334.9	334.9	335.88	27
1979	1	1979.042	336.14	336.14	336.22	27
1979	2	1979.125	336.69	336.69	336.01	26
1979	3	1979.208	338.27	338.27	336.54	21
1979	4	1979.292	338.95	338.95	336.24	21
1979	5	1979.375	339.21	339.21	336.21	12
1979	6	1979.458	339.26	339.26	336.84	19
1979	7	1979.542	337.54	337.54	336.72	26
1979	8	1979.625	335.75	335.75	337.24	23
1979	9	1979.708	333.98	333.98	337.2	19
1979	10	1979.792	334.19	334.19	337.53	24
1979	11	1979.875	335.31	335.31	337.57	27
1979	12	1979.958	336.81	336.81	337.79	22
1980	1	1980.042	337.9	337.9	338.09	29
1980	2	1980.125	338.34	338.34	337.82	26
1980	3	1980.208	340.01	340.01	338.43	25
1980	4	1980.292	340.93	340.93	338.3	24
1980	5	1980.375	341.48	341.48	338.43	25
1980	6	1980.458	341.33	341.33	338.84	22
1980	7	1980.542	339.4	339.4	338.54	21
1980	8	1980.625	337.7	337.7	339.12	17
1980	9	1980.708	336.19	336.19	339.33	17
1980	10	1980.792	336.15	336.15	339.42	25
1980	11	1980.875	337.27	337.27	339.42	24
1980	12	1980.958	338.32	338.32	339.26	19
1981	1	1981.042	339.29	339.29	339.38	28
1981	2	1981.125	340.55	340.55	339.93	25
1981	3	1981.208	341.61	341.61	340.06	25
1981	4	1981.292	342.53	342.53	339.94	24
1981	5	1981.375	343.03	343.03	339.98	30
1981	6	1981.458	342.54	342.54	340.07	25
1981	7	1981.542	340.78	340.78	339.92	24
1981	8	1981.625	338.44	338.44	339.86	26
1981	9	1981.708	336.95	336.95	340.17	27
1981	10	1981.792	337.08	337.08	340.43	28
1981	11	1981.875	338.58	338.58	340.74	25
1981	12	1981.958	339.88	339.88	340.79	19
1982	1	1982.042	340.96	340.96	341.1	27
1982	2	1982.125	341.73	341.73	341.1	23
1982	3	1982.208	342.81	342.81	341.21	18
1982	4	1982.292	343.97	343.97	341.37	8
1982	5	1982.375	344.63	344.63	341.56	26
1982	6	1982.458	343.79	343.79	341.35	26
1982	7	1982.542	342.32	342.32	341.55	28
1982	8	1982.625	340.09	340.09	341.51	24
1982	9	1982.708	338.28	338.28	341.47	21
1982	10	1982.792	338.29	338.29	341.65	26
1982	11	1982.875	339.6	339.6	341.73	25
1982	12	1982.958	340.9	340.9	341.79	26
1983	1	1983.042	341.68	341.68	341.84	28
1983	2	1983.125	342.9	342.9	342.32	24
1983	3	1983.208	343.33	343.33	341.82	26
1983	4	1983.292	345.25	345.25	342.66	24
1983	5	1983.375	346.03	346.03	342.87	28

1983	6	1983.458	345.63	345.63	343.15	20
1983	7	1983.542	344.19	344.19	343.44	20
1983	8	1983.625	342.27	342.27	343.66	16
1983	9	1983.708	340.35	340.35	343.49	15
1983	10	1983.792	340.38	340.38	343.72	20
1983	11	1983.875	341.59	341.59	343.71	26
1983	12	1983.958	343.05	343.05	343.96	19
1984	1	1984.042	344.1	344.1	344.2	23
1984	2	1984.125	344.79	344.79	344.22	23
1984	3	1984.208	345.52	345.52	344.09	19
1984	4	1984.292	-99.99	346.84	344.27	2
1984	5	1984.375	347.63	347.63	344.45	21
1984	6	1984.458	346.97	346.97	344.51	21
1984	7	1984.542	345.53	345.53	344.76	21
1984	8	1984.625	343.55	343.55	344.94	12
1984	9	1984.708	341.4	341.4	344.58	14
1984	10	1984.792	341.67	341.67	345.01	12
1984	11	1984.875	343.1	343.1	345.2	18
1984	12	1984.958	344.7	344.7	345.57	12
1985	1	1985.042	345.21	345.21	345.31	23
1985	2	1985.125	346.16	346.16	345.61	17
1985	3	1985.208	347.74	347.74	346.37	16
1985	4	1985.292	348.34	348.34	345.79	19
1985	5	1985.375	349.06	349.06	345.91	24
1985	6	1985.458	348.38	348.38	345.94	23
1985	7	1985.542	346.71	346.71	345.89	18
1985	8	1985.625	345.02	345.02	346.34	18
1985	9	1985.708	343.27	343.27	346.4	25
1985	10	1985.792	343.13	343.13	346.42	20
1985	11	1985.875	344.49	344.49	346.61	22
1985	12	1985.958	345.88	345.88	346.81	25
1986	1	1986.042	346.56	346.56	346.59	23
1986	2	1986.125	347.28	347.28	346.74	25
1986	3	1986.208	348.01	348.01	346.68	17
1986	4	1986.292	349.77	349.77	347.22	22
1986	5	1986.375	350.38	350.38	347.26	18
1986	6	1986.458	349.93	349.93	347.52	17
1986	7	1986.542	348.16	348.16	347.33	20
1986	8	1986.625	346.08	346.08	347.41	18
1986	9	1986.708	345.22	345.22	348.35	17
1986	10	1986.792	344.51	344.51	347.77	26
1986	11	1986.875	345.93	345.93	348.04	23
1986	12	1986.958	347.22	347.22	348.13	24
1987	1	1987.042	348.52	348.52	348.47	26
1987	2	1987.125	348.73	348.73	348.02	25
1987	3	1987.208	349.73	349.73	348.3	22
1987	4	1987.292	351.31	351.31	348.77	26
1987	5	1987.375	352.09	352.09	349.01	27
1987	6	1987.458	351.53	351.53	349.2	21
1987	7	1987.542	350.11	350.11	349.39	16
1987	8	1987.625	348.08	348.08	349.5	14
1987	9	1987.708	346.52	346.52	349.7	23
1987	10	1987.792	346.59	346.59	349.86	22
1987	11	1987.875	347.96	347.96	350.07	22
1987	12	1987.958	349.16	349.16	350.05	27
1988	1	1988.042	350.39	350.39	350.38	24
1988	2	1988.125	351.64	351.64	350.94	24
1988	3	1988.208	352.41	352.41	350.87	25
1988	4	1988.292	353.69	353.69	351.01	27
1988	5	1988.375	354.21	354.21	351.06	28
1988	6	1988.458	353.72	353.72	351.37	26
1988	7	1988.542	352.69	352.69	352.02	27
1988	8	1988.625	350.4	350.4	351.9	26
1988	9	1988.708	348.92	348.92	352.13	27
1988	10	1988.792	349.13	349.13	352.41	26
1988	11	1988.875	350.2	350.2	352.34	25
1988	12	1988.958	351.41	351.41	352.35	28
1989	1	1989.042	352.91	352.91	352.85	27
1989	2	1989.125	353.27	353.27	352.54	25
1989	3	1989.208	353.96	353.96	352.47	29
1989	4	1989.292	355.64	355.64	352.97	28
1989	5	1989.375	355.86	355.86	352.67	28
1989	6	1989.458	355.37	355.37	352.97	26
1989	7	1989.542	353.99	353.99	353.3	25
1989	8	1989.625	351.81	351.81	353.37	24
1989	9	1989.708	350.05	350.05	353.32	23

1989	10	1989.792	350.25	350.25	353.52	25
1989	11	1989.875	351.49	351.49	353.65	27
1989	12	1989.958	352.85	352.85	353.8	27
1990	1	1990.042	353.8	353.8	353.75	25
1990	2	1990.125	355.04	355.04	354.33	28
1990	3	1990.208	355.73	355.73	354.24	28
1990	4	1990.292	356.32	356.32	353.68	28
1990	5	1990.375	357.32	357.32	354.16	29
1990	6	1990.458	356.34	356.34	353.97	29
1990	7	1990.542	354.84	354.84	354.19	30
1990	8	1990.625	353.01	353.01	354.61	22
1990	9	1990.708	351.31	351.31	354.61	27
1990	10	1990.792	351.62	351.62	354.89	28
1990	11	1990.875	353.07	353.07	355.13	24
1990	12	1990.958	354.33	354.33	355.19	28
1991	1	1991.042	354.84	354.84	354.82	28
1991	2	1991.125	355.73	355.73	355.02	27
1991	3	1991.208	357.23	357.23	355.67	30
1991	4	1991.292	358.66	358.66	356.02	30
1991	5	1991.375	359.13	359.13	356	29
1991	6	1991.458	358.13	358.13	355.8	29
1991	7	1991.542	356.19	356.19	355.59	24
1991	8	1991.625	353.85	353.85	355.46	25
1991	9	1991.708	352.25	352.25	355.56	27
1991	10	1991.792	352.35	352.35	355.61	27
1991	11	1991.875	353.81	353.81	355.8	28
1991	12	1991.958	355.12	355.12	355.93	30
1992	1	1992.042	356.25	356.25	356.2	31
1992	2	1992.125	357.11	357.11	356.38	27
1992	3	1992.208	357.86	357.86	356.27	24
1992	4	1992.292	359.09	359.09	356.39	27
1992	5	1992.375	359.59	359.59	356.41	26
1992	6	1992.458	359.33	359.33	356.97	30
1992	7	1992.542	357.01	357.01	356.44	26
1992	8	1992.625	354.94	354.94	356.62	23
1992	9	1992.708	352.96	352.96	356.29	26
1992	10	1992.792	353.32	353.32	356.63	29
1992	11	1992.875	354.32	354.32	356.38	29
1992	12	1992.958	355.57	355.57	356.39	31
1993	1	1993.042	357	357	356.96	28
1993	2	1993.125	357.31	357.31	356.44	28
1993	3	1993.208	358.47	358.47	356.76	30
1993	4	1993.292	359.27	359.27	356.59	25
1993	5	1993.375	360.19	360.19	357.03	30
1993	6	1993.458	359.52	359.52	357.12	28
1993	7	1993.542	357.33	357.33	356.76	25
1993	8	1993.625	355.64	355.64	357.32	27
1993	9	1993.708	354.03	354.03	357.39	23
1993	10	1993.792	354.12	354.12	357.49	28
1993	11	1993.875	355.41	355.41	357.54	29
1993	12	1993.958	356.91	356.91	357.8	30
1994	1	1994.042	358.24	358.24	358.13	27
1994	2	1994.125	358.92	358.92	358.09	25
1994	3	1994.208	359.99	359.99	358.29	29
1994	4	1994.292	361.23	361.23	358.46	28
1994	5	1994.375	361.65	361.65	358.46	30
1994	6	1994.458	360.81	360.81	358.44	27
1994	7	1994.542	359.38	359.38	358.79	31
1994	8	1994.625	357.46	357.46	359.16	24
1994	9	1994.708	355.73	355.73	359.17	24
1994	10	1994.792	356.07	356.07	359.49	28
1994	11	1994.875	357.53	357.53	359.68	28
1994	12	1994.958	358.98	358.98	359.83	28
1995	1	1995.042	359.92	359.92	359.79	30
1995	2	1995.125	360.86	360.86	360.05	28
1995	3	1995.208	361.83	361.83	360.22	29
1995	4	1995.292	363.3	363.3	360.62	29
1995	5	1995.375	363.69	363.69	360.58	29
1995	6	1995.458	363.19	363.19	360.84	27
1995	7	1995.542	361.64	361.64	360.97	28
1995	8	1995.625	359.12	359.12	360.73	25
1995	9	1995.708	358.17	358.17	361.55	24
1995	10	1995.792	357.99	357.99	361.37	29
1995	11	1995.875	359.45	359.45	361.59	27
1995	12	1995.958	360.68	360.68	361.53	30
1996	1	1996.042	362.07	362.07	361.85	29

1996	2	1996.125	363.24	363.24	362.35	27
1996	3	1996.208	364.17	364.17	362.53	27
1996	4	1996.292	364.57	364.57	361.86	29
1996	5	1996.375	365.13	365.13	362.1	30
1996	6	1996.458	364.92	364.92	362.69	30
1996	7	1996.542	363.55	363.55	362.85	31
1996	8	1996.625	361.38	361.38	362.98	28
1996	9	1996.708	359.54	359.54	362.99	25
1996	10	1996.792	359.58	359.58	362.97	29
1996	11	1996.875	360.89	360.89	363.03	29
1996	12	1996.958	362.24	362.24	363.08	29
1997	1	1997.042	363.09	363.09	362.88	31
1997	2	1997.125	364.03	364.03	363.22	27
1997	3	1997.208	364.51	364.51	362.88	31
1997	4	1997.292	366.35	366.35	363.68	21
1997	5	1997.375	366.64	366.64	363.74	29
1997	6	1997.458	365.59	365.59	363.41	27
1997	7	1997.542	364.31	364.31	363.6	24
1997	8	1997.625	362.25	362.25	363.84	25
1997	9	1997.708	360.29	360.29	363.68	26
1997	10	1997.792	360.82	360.82	364.12	27
1997	11	1997.875	362.49	362.49	364.56	30
1997	12	1997.958	364.38	364.38	365.15	30
1998	1	1998.042	365.26	365.26	365.07	30
1998	2	1998.125	365.98	365.98	365.17	28
1998	3	1998.208	367.24	367.24	365.6	31
1998	4	1998.292	368.66	368.66	366.03	29
1998	5	1998.375	369.42	369.42	366.55	30
1998	6	1998.458	368.99	368.99	366.8	28
1998	7	1998.542	367.82	367.82	367.14	23
1998	8	1998.625	365.95	365.95	367.55	30
1998	9	1998.708	364.02	364.02	367.37	28
1998	10	1998.792	364.4	364.4	367.67	30
1998	11	1998.875	365.52	365.52	367.56	23
1998	12	1998.958	367.13	367.13	367.88	26
1999	1	1999.042	368.18	368.18	367.96	27
1999	2	1999.125	369.07	369.07	368.26	22
1999	3	1999.208	369.68	369.68	368.08	25
1999	4	1999.292	370.99	370.99	368.45	29
1999	5	1999.375	370.96	370.96	368.15	26
1999	6	1999.458	370.3	370.3	368.13	26
1999	7	1999.542	369.45	369.45	368.77	27
1999	8	1999.625	366.9	366.9	368.48	25
1999	9	1999.708	364.81	364.81	368.13	28
1999	10	1999.792	365.37	365.37	368.64	31
1999	11	1999.875	366.72	366.72	368.71	28
1999	12	1999.958	368.1	368.1	368.77	26
2000	1	2000.042	369.29	369.29	369.08	26
2000	2	2000.125	369.54	369.54	368.83	19
2000	3	2000.208	370.6	370.6	369.09	30
2000	4	2000.292	371.81	371.81	369.28	27
2000	5	2000.375	371.58	371.58	368.71	28
2000	6	2000.458	371.7	371.7	369.5	28
2000	7	2000.542	369.86	369.86	369.2	25
2000	8	2000.625	368.13	368.13	369.72	27
2000	9	2000.708	367	367	370.3	26
2000	10	2000.792	367.03	367.03	370.26	30
2000	11	2000.875	368.37	368.37	370.32	25
2000	12	2000.958	369.67	369.67	370.3	30
2001	1	2001.042	370.59	370.59	370.43	30
2001	2	2001.125	371.51	371.51	370.78	26
2001	3	2001.208	372.43	372.43	370.87	26
2001	4	2001.292	373.37	373.37	370.81	29
2001	5	2001.375	373.85	373.85	370.94	24
2001	6	2001.458	373.21	373.21	370.99	26
2001	7	2001.542	371.51	371.51	370.9	25
2001	8	2001.625	369.61	369.61	371.22	27
2001	9	2001.708	368.18	368.18	371.44	28
2001	10	2001.792	368.45	368.45	371.69	31
2001	11	2001.875	369.76	369.76	371.74	24
2001	12	2001.958	371.24	371.24	371.92	29
2002	1	2002.042	372.53	372.53	372.3	28
2002	2	2002.125	373.2	373.2	372.33	28
2002	3	2002.208	374.12	374.12	372.44	24
2002	4	2002.292	375.02	375.02	372.37	29
2002	5	2002.375	375.76	375.76	372.81	29

2002	6	2002.458	375.52	375.52	373.3	28
2002	7	2002.542	374.01	374.01	373.42	26
2002	8	2002.625	371.85	371.85	373.52	28
2002	9	2002.708	370.75	370.75	374.11	23
2002	10	2002.792	370.55	370.55	373.88	31
2002	11	2002.875	372.25	372.25	374.34	29
2002	12	2002.958	373.79	373.79	374.53	31
2003	1	2003.042	374.88	374.88	374.63	30
2003	2	2003.125	375.64	375.64	374.77	27
2003	3	2003.208	376.45	376.45	374.8	28
2003	4	2003.292	377.73	377.73	375.06	27
2003	5	2003.375	378.6	378.6	375.55	30
2003	6	2003.458	378.28	378.28	376.03	25
2003	7	2003.542	376.7	376.7	376.19	29
2003	8	2003.625	374.38	374.38	376.08	23
2003	9	2003.708	373.17	373.17	376.48	25
2003	10	2003.792	373.14	373.14	376.47	30
2003	11	2003.875	374.66	374.66	376.81	26
2003	12	2003.958	375.99	375.99	376.75	27
2004	1	2004.042	377	377	376.78	30
2004	2	2004.125	377.87	377.87	377.02	29
2004	3	2004.208	378.88	378.88	377.23	28
2004	4	2004.292	380.35	380.35	377.62	26
2004	5	2004.375	380.62	380.62	377.48	28
2004	6	2004.458	379.69	379.69	377.39	21
2004	7	2004.542	377.47	377.47	376.94	25
2004	8	2004.625	376.01	376.01	377.74	16
2004	9	2004.708	374.25	374.25	377.62	15
2004	10	2004.792	374.46	374.46	377.82	29
2004	11	2004.875	376.16	376.16	378.31	29
2004	12	2004.958	377.51	377.51	378.31	30
2005	1	2005.042	378.46	378.46	378.21	31
2005	2	2005.125	379.73	379.73	378.93	24
2005	3	2005.208	380.77	380.77	379.27	26
2005	4	2005.292	382.29	382.29	379.65	26
2005	5	2005.375	382.45	382.45	379.31	31
2005	6	2005.458	382.21	382.21	379.88	28
2005	7	2005.542	380.74	380.74	380.18	29
2005	8	2005.625	378.74	378.74	380.42	26
2005	9	2005.708	376.7	376.7	380.01	26
2005	10	2005.792	377	377	380.3	14
2005	11	2005.875	378.35	378.35	380.5	23
2005	12	2005.958	380.11	380.11	380.9	26
2006	1	2006.042	381.38	381.38	381.14	24
2006	2	2006.125	382.19	382.19	381.38	25
2006	3	2006.208	382.67	382.67	381.14	30
2006	4	2006.292	384.61	384.61	381.91	25
2006	5	2006.375	385.03	385.03	381.87	24
2006	6	2006.458	384.05	384.05	381.75	28
2006	7	2006.542	382.46	382.46	381.91	24
2006	8	2006.625	380.41	380.41	382.08	27
2006	9	2006.708	378.85	378.85	382.16	27
2006	10	2006.792	379.13	379.13	382.46	23
2006	11	2006.875	380.15	380.15	382.33	29
2006	12	2006.958	381.82	381.82	382.64	27
2007	1	2007.042	382.89	382.89	382.67	24
2007	2	2007.125	383.9	383.9	383.01	21
2007	3	2007.208	384.58	384.58	382.94	26
2007	4	2007.292	386.5	386.5	383.71	26
2007	5	2007.375	386.56	386.56	383.34	29
2007	6	2007.458	386.1	386.1	383.84	26
2007	7	2007.542	384.5	384.5	384.02	27
2007	8	2007.625	381.99	381.99	383.7	22
2007	9	2007.708	380.96	380.96	384.32	21
2007	10	2007.792	381.12	381.12	384.47	29
2007	11	2007.875	382.45	382.45	384.65	30
2007	12	2007.958	383.95	383.95	384.83	21
2008	1	2008.042	385.52	385.52	385.28	31
2008	2	2008.125	385.82	385.82	384.96	26
2008	3	2008.208	386.03	386.03	384.48	30
2008	4	2008.292	387.21	387.21	384.58	24
2008	5	2008.375	388.54	388.54	385.45	25
2008	6	2008.458	387.76	387.76	385.46	23
2008	7	2008.542	386.36	386.36	385.8	10
2008	8	2008.625	384.09	384.09	385.75	25
2008	9	2008.708	383.18	383.18	386.46	27

2008	10	2008.792	382.99	382.99	386.27	23
2008	11	2008.875	384.19	384.19	386.37	28
2008	12	2008.958	385.56	385.56	386.41	29
2009	1	2009.042	386.94	386.94	386.63	30
2009	2	2009.125	387.48	387.48	386.59	26
2009	3	2009.208	388.82	388.82	387.32	28
2009	4	2009.292	389.55	389.55	386.92	29
2009	5	2009.375	390.14	390.14	387.02	30
2009	6	2009.458	389.48	389.48	387.24	29
2009	7	2009.542	388.03	388.03	387.55	22
2009	8	2009.625	386.11	386.11	387.8	27
2009	9	2009.708	384.74	384.74	388.01	28
2009	10	2009.792	384.43	384.43	387.68	30
2009	11	2009.875	386.02	386.02	388.16	30
2009	12	2009.958	387.42	387.42	388.23	20
2010	1	2010.042	388.71	388.71	388.41	30
2010	2	2010.125	390.2	390.2	389.26	20
2010	3	2010.208	391.17	391.17	389.65	25
2010	4	2010.292	392.46	392.46	389.89	26
2010	5	2010.375	393	393	389.88	28
2010	6	2010.458	392.15	392.15	389.89	28
2010	7	2010.542	390.2	390.2	389.72	29
2010	8	2010.625	388.35	388.35	390.01	26
2010	9	2010.708	386.85	386.85	390.14	29
2010	10	2010.792	387.24	387.24	390.53	31
2010	11	2010.875	388.67	388.67	390.79	28
2010	12	2010.958	389.79	389.79	390.6	29
2011	1	2011.042	391.33	391.33	391.03	29
2011	2	2011.125	391.86	391.86	390.94	28
2011	3	2011.208	392.6	392.6	391.07	29
2011	4	2011.292	393.25	393.25	390.63	28
2011	5	2011.375	394.19	394.19	391.02	30
2011	6	2011.458	393.73	393.73	391.44	28
2011	7	2011.542	392.51	392.51	392.04	26
2011	8	2011.625	390.13	390.13	391.83	27
2011	9	2011.708	389.08	389.08	392.4	26
2011	10	2011.792	389	389	392.33	31
2011	11	2011.875	390.28	390.28	392.44	28
2011	12	2011.958	391.86	391.86	392.66	28
2012	1	2012.042	393.12	393.12	392.89	30
2012	2	2012.125	393.86	393.86	393.04	26
2012	3	2012.208	394.4	394.4	392.8	30
2012	4	2012.292	396.18	396.18	393.43	29
2012	5	2012.375	396.74	396.74	393.54	30
2012	6	2012.458	395.71	395.71	393.45	28
2012	7	2012.542	394.36	394.36	393.92	26
2012	8	2012.625	392.39	392.39	394.17	30
2012	9	2012.708	391.11	391.11	394.54	27
2012	10	2012.792	391.05	391.05	394.41	28
2012	11	2012.875	392.98	392.98	395.02	29
2012	12	2012.958	394.34	394.34	395.04	29
2013	1	2013.042	395.55	395.55	395.4	28
2013	2	2013.125	396.8	396.8	396.01	25
2013	3	2013.208	397.43	397.43	395.84	30
2013	4	2013.292	398.41	398.41	395.53	22
2013	5	2013.375	399.78	399.78	396.4	28
2013	6	2013.458	398.61	398.61	396.28	26
2013	7	2013.542	397.32	397.32	396.92	21
2013	8	2013.625	395.2	395.2	397.08	27
2013	9	2013.708	393.45	393.45	396.99	27
2013	10	2013.792	393.7	393.7	397.04	28
2013	11	2013.875	395.16	395.16	397.15	30
2013	12	2013.958	396.84	396.84	397.59	30
2014	1	2014.042	397.85	397.85	397.55	31
2014	2	2014.125	398.01	398.01	397.21	26
2014	3	2014.208	399.77	399.77	398.24	24
2014	4	2014.292	401.38	401.38	398.49	28
2014	5	2014.375	401.78	401.78	398.37	22
2014	6	2014.458	401.25	401.25	398.93	28
2014	7	2014.542	399.1	399.1	398.67	25
2014	8	2014.625	397.03	397.03	398.92	21
2014	9	2014.708	395.38	395.38	398.97	21
2014	10	2014.792	396.03	396.03	399.43	24
2014	11	2014.875	397.28	397.28	399.36	27
2014	12	2014.958	398.91	398.91	399.64	29
2015	1	2015.042	399.98	399.98	399.69	30

2015	2	2015.125	400.28	400.28	399.51	27
2015	3	2015.208	401.54	401.54	400.05	24
2015	4	2015.292	403.28	403.28	400.49	27
2015	5	2015.375	403.96	403.96	400.63	30
2015	6	2015.458	402.8	402.8	400.5	28
2015	7	2015.542	401.31	401.31	400.92	23
2015	8	2015.625	398.93	398.93	400.84	28
2015	9	2015.708	397.63	397.63	401.15	25
2015	10	2015.792	398.29	398.29	401.59	28
2015	11	2015.875	400.16	400.16	402.13	27
2015	12	2015.958	401.85	401.85	402.52	30
2016	1	2016.042	402.56	402.56	402.27	27
2016	2	2016.125	404.12	404.12	403.34	25
2016	3	2016.208	404.87	404.87	403.38	28
2016	4	2016.292	407.45	407.45	404.65	25
2016	5	2016.375	407.72	407.72	404.4	29
2016	6	2016.458	406.83	406.83	404.53	26
2016	7	2016.542	404.41	404.41	404.03	28
2016	8	2016.625	402.27	402.27	404.18	23
2016	9	2016.708	401.05	401.05	404.56	24
2016	10	2016.792	401.59	401.59	404.89	29
2016	11	2016.875	403.55	403.55	405.53	27
2016	12	2016.958	404.45	404.45	405.11	30
2017	1	2017.042	406.17	406.17	405.88	26
2017	2	2017.125	406.46	406.46	405.68	26
2017	3	2017.208	407.22	407.22	405.73	23
2017	4	2017.292	409.04	409.04	406.25	25
2017	5	2017.375	409.69	409.69	406.36	27
2017	6	2017.458	408.88	408.88	406.58	26
2017	7	2017.542	407.12	407.12	406.74	28
2017	8	2017.625	405.13	405.13	407.04	29
2017	9	2017.708	403.37	403.37	406.88	26
2017	10	2017.792	403.63	403.63	406.93	27
2017	11	2017.875	405.12	405.12	407.09	26
2017	12	2017.958	406.81	406.81	407.47	31
2018	1	2018.042	407.96	407.96	407.67	29
2018	2	2018.125	408.32	408.32	407.54	28
2018	3	2018.208	409.41	409.41	407.92	30
2018	4	2018.292	410.24	410.24	407.45	21
2018	5	2018.375	411.24	411.24	407.91	24
2018	6	2018.458	410.79	410.79	408.49	29
2018	7	2018.542	408.71	408.71	408.32	27
2018	8	2018.625	406.99	406.99	408.9	30
2018	9	2018.708	405.51	405.51	409.02	29