

Table 3. The seasonal and annual mid-tropospheric CO₂ concentration variations in different regions around the world from 2003 to 2011.

	Yearly Average (ppm)	Annual Growth (ppm/a)	Seasonal Average (ppm)				Seasonal Fluctuation (ppm)		
			Spring	Summer	Autumn	Winter	Average	Maximum	Minimum
0–10°N	382.5	2.00	382.6	382.8	382.8	382.3	0.54	1.60	0.02
10°N–20°N	382.7	2.01	383.2	383.2	382.5	382.1	0.89	2.25	0.02
20°N–30°N	383.1	2.04	383.9	383.6	382.3	382.9	1.29	2.28	0.04
30°N–40°N	383.9	2.08	384.9	384.2	383.0	383.8	1.44	2.39	0.02
40°N–50°N	384.3	2.13	385.8	384.6	383.6	383.8	1.60	3.29	0.49
50°N–60°N	384.2	2.20	386.4	384.0	383.8	383.1	1.83	5.17	0.07
60°N–70°N	384.0	2.27	386.9	383.6	383.9	382.2	2.50	7.40	0.09
70°N–80°N	383.8	2.26	386.7	383.5	384.0	381.3	2.88	8.21	0.10
80°N–89°N	383.6	2.27	386.8	383.4	384.2	380.4	3.59	10.52	0.07
0–10°S	382.1	2.01	381.8	382.2	382.6	382.2	0.50	1.10	0.11
10°S–20°S	382.1	2.03	381.5	382.2	382.8	382.2	0.51	1.05	0.00
20°S–30°S	382.8	2.03	382.1	383.2	383.5	382.7	0.55	1.48	0.04
30°S–40°S	383.2	2.07	382.2	383.4	384.3	383.2	0.70	1.63	0.02
40°S–50°S	382.9	2.11	382.3	382.3	384.2	383.1	0.69	2.48	0.01
50°S–60°S	382.3	2.08	383.1	381.7	382.7	382.0	1.25	2.70	0.00
NH (0–60°N)	383.6	2.14	385.2	383.7	383.3	382.4	1.84	4.79	0.10
SH (0–60°S)	382.6	2.06	382.2	382.5	383.3	382.6	0.70	2.70	0.00
Global (89°N–60°S)	383.2	2.11	384.0	383.2	383.3	382.5	1.38	10.52	0.00