

Table 1: VMR data (ppt) for the 30 averaged bins spanning the latitudes 70°S to 80°N between the altitudes of 8 and 30 km used for the contour plot for the global distribution of carbon tetrachloride.

Latitude (degree)	Altitude (km)						
	8	9	10	11	12	13	14
70°S-65°S	103.0	100.7	96.4	89.5	83.9	77.4	69.7
65°S-60°S	100.6	101.3	96.9	91.6	86.0	80.5	73.6
60°S-55°S	107.9	102.3	98.8	92.0	88.2	83.1	76.8
55°S-50°S	110.6	109.2	105.4	98.6	94.1	88.3	82.6
50°S-45°S	110.0	111.0	105.6	100.4	94.9	92.0	87.1
45°S-40°S	117.2	117.7	113.0	104.9	101.1	96.4	91.1
40°S-35°S	109.8	117.0	114.8	107.0	106.1	101.0	95.8
35°S-30°S	117.7	124.6	119.0	112.4	108.8	106.2	98.7
30°S-25°S	124.0	126.8	126.3	116.3	109.6	104.6	101.4
25°S-20°S	133.7	123.6	115.5	115.7	109.6	107.7	104.7
20°S-15°S	115.7	117.1	116.6	111.7	112.2	108.2	105.2
15°S-10°S	114.8	115.9	113.0	116.1	115.1	111.0	105.2
10°S-5°S	114.0	126.9	117.2	113.2	116.0	109.9	107.8
5°S-0°	109.6	124.5	117.4	115.0	117.3	110.5	104.9
0°-5°N	108.7	113.3	117.5	117.9	115.7	110.8	107.0
5°N-10°N	93.0	116.7	121.0	119.5	115.1	106.7	104.4
10°N-15°N	109.3	130.1	125.5	122.6	115.8	112.3	105.6
15°N-20°N	113.0	119.7	118.1	117.5	114.9	109.4	105.8
20°N-25°N	136.1	130.1	129.0	122.9	117.7	111.0	106.6
25°N-30°N	135.0	126.8	125.3	120.2	119.1	112.4	103.3
30°N-35°N	127.6	135.9	130.4	119.4	116.7	111.2	104.6
35°N-40°N	126.8	131.9	132.1	124.9	117.4	109.0	99.3
40°N-45°N	126.3	133.1	125.3	118.6	110.8	100.7	92.9
45°N-50°N	130.7	124.9	122.0	114.5	108.7	98.2	90.5
50°N-55°N	126.6	124.1	116.5	107.2	99.2	93.4	86.9
55°N-60°N	121.9	116.8	108.1	101.4	94.0	86.6	78.9
60°N-65°N	116.4	113.6	108.5	98.6	90.0	83.1	75.9
65°N-70°N	119.1	115.7	108.5	98.8	90.5	83.1	75.6
70°N-75°N	114.2	109.1	103.9	94.1	86.2	77.8	69.9
75°N-80°N	112.0	107.4	99.9	90.9	82.3	74.5	65.4

Latitude (degree)	Altitude (km)						
	15	16	17	18	19	20	21
70°S-65°S	60.9	50.2	39.7	30.8	23.3	17.3	13.7
65°S-60°S	65.3	55.5	44.8	34.7	26.2	19.7	15.5
60°S-55°S	70.9	63.1	53.0	42.6	32.8	24.9	18.8
55°S-50°S	76.3	69.1	60.2	49.3	38.2	28.9	21.9
50°S-45°S	83.1	76.7	69.0	59.1	47.4	36.8	28.0
45°S-40°S	87.9	84.1	76.7	66.9	55.7	44.5	33.8
40°S-35°S	92.6	88.8	83.3	74.3	63.0	51.5	40.7
35°S-30°S	97.6	94.2	90.9	84.8	73.5	59.5	46.0
30°S-25°S	100.2	98.9	98.7	91.5	82.1	67.4	54.3
25°S-20°S	102.3	101.4	100.1	96.1	85.6	74.7	60.6
20°S-15°S	103.0	101.7	103.5	103.9	94.8	83.3	69.8
15°S-10°S	104.3	106.0	104.4	103.9	99.5	86.5	75.3
10°S-5°S	105.7	99.5	104.7	104.5	96.6	88.5	77.1
5°S-0°	101.5	104.5	105.5	104.2	98.0	91.0	82.4
0°-5°N	106.9	106.1	106.5	102.2	99.3	88.4	81.6

5°N-10°N	100.8	105.6	104.5	102.8	94.5	88.4	77.0
10°N-15°N	106.0	103.2	106.7	102.1	97.3	88.1	76.9
15°N-20°N	102.4	101.8	105.2	100.2	94.3	83.6	73.3
20°N-25°N	104.6	102.7	101.0	101.2	92.9	78.1	67.4
25°N-30°N	103.9	102.8	99.6	95.6	86.4	73.8	61.2
30°N-35°N	100.5	99.3	95.8	90.0	81.5	67.8	54.8
35°N-40°N	94.9	93.7	90.4	83.0	73.8	63.0	48.6
40°N-45°N	89.5	85.5	80.0	73.0	62.6	50.8	39.5
45°N-50°N	86.4	81.9	76.1	68.0	57.6	46.2	35.5
50°N-55°N	81.2	76.3	70.2	61.6	51.0	40.9	32.1
55°N-60°N	74.1	68.0	60.5	51.3	42.3	33.6	26.4
60°N-65°N	69.4	62.1	53.7	45.5	36.2	28.1	22.1
65°N-70°N	69.5	61.9	53.3	44.2	34.8	26.7	21.5
70°N-75°N	61.5	51.9	41.3	32.6	26.8	21.9	18.5
75°N-80°N	55.4	45.5	38.2	30.9	23.9	18.8	15.0

Latitude (degree)	Altitude (km)						
	22	23	24	25	26	27	28
70°S-65°S	13.5	14.9	17.5	18.0	11.9	4.0	1.6
65°S-60°S	14.3	15.9	18.4	18.6	14.1	5.2	2.1
60°S-55°S	14.9	14.9	18.1	19.2	16.4	7.6	3.0
55°S-50°S	17.1	16.2	19.4	20.7	18.7	12.7	5.1
50°S-45°S	20.8	17.7	17.4	20.5	21.2	16.8	8.6
45°S-40°S	24.6	19.7	17.4	22.2	20.5	18.7	13.9
40°S-35°S	30.7	23.2	18.6	18.1	19.9	19.5	17.6
35°S-30°S	33.9	24.7	20.5	19.5	24.6	22.1	18.6
30°S-25°S	42.9	32.5	23.3	21.7	23.3	24.3	24.9
25°S-20°S	48.1	38.9	31.5	23.6	20.7	23.5	22.2
20°S-15°S	56.0	44.9	35.7	29.1	27.2	28.1	26.5
15°S-10°S	65.8	53.5	41.8	35.0	29.4	25.9	25.7
10°S-5°S	69.8	58.4	44.6	36.9	32.8	25.3	23.8
5°S-0°	73.6	64.1	47.3	36.4	30.8	26.4	24.4
0°-5°N	73.3	60.7	44.7	35.5	31.4	27.4	24.6
5°N-10°N	66.7	57.6	45.2	32.9	28.3	26.8	26.1
10°N-15°N	65.9	56.3	44.0	34.0	30.1	30.1	27.9
15°N-20°N	62.1	48.3	37.7	30.9	25.9	26.2	27.1
20°N-25°N	55.6	42.8	33.3	29.1	25.9	26.3	21.5
25°N-30°N	49.6	38.1	29.7	26.7	28.2	29.4	22.9
30°N-35°N	43.0	33.2	26.9	24.7	25.5	21.9	21.1
35°N-40°N	36.6	26.7	22.1	21.6	26.7	24.0	19.7
40°N-45°N	30.3	25.4	21.3	24.0	21.7	17.2	14.2
45°N-50°N	27.6	22.7	21.7	22.9	24.4	19.8	9.8
50°N-55°N	25.2	22.1	23.2	25.1	18.8	11.8	5.5
55°N-60°N	21.6	19.5	21.6	21.5	19.8	10.4	4.1
60°N-65°N	19.8	21.2	21.5	20.3	14.7	5.2	2.1
65°N-70°N	19.6	20.2	20.9	20.0	11.4	3.8	1.5
70°N-75°N	17.6	18.9	20.9	19.0	10.8	3.6	1.5
75°N-80°N	15.6	17.6	20.9	19.3	7.0	2.9	1.1

Latitude (degree)	Altitude (km)	
	29	30
70°S-65°S	0.8	0.2
65°S-60°S	1.0	0.2
60°S-55°S	1.5	0.3
55°S-50°S	2.5	0.5
50°S-45°S	4.3	0.9
45°S-40°S	7.0	1.4

40S-35S	10.2	2.0
35S-30S	15.9	3.4
30S-25S	17.5	4.0
25S-20S	20.3	4.9
20S-15S	25.0	6.3
15S-10S	24.3	9.1
10S-5S	20.7	8.4
5S-0°	22.6	9.3
0°-5N	25.3	10.3
5N-10N	24.9	11.3
10N-15N	20.7	6.9
15N-20N	22.7	7.8
20N-25N	20.8	5.8
25N-30N	19.9	4.0
30N-35N	16.1	3.2
35N-40N	10.5	2.2
40N-45N	7.2	1.4
45N-50N	5.0	1.0
50N-55N	2.8	0.6
55N-60N	2.1	0.4
60N-65N	1.0	0.2
65N-70N	0.8	0.2
70N-75N	0.7	0.1
75N-80N	0.6	0.1

Table 2: The data points for the VMR (ppt) average for each latitudinal zone between the altitudes of 8 and 30 km.

Latitude (degree)	Altitude (km)						
	8	9	10	11	12	13	14
90S-60S	71.2	73.6	71.5	67.5	62.8	59.1	53.4
60S-45S	109.5	107.5	103.3	97.0	92.4	87.8	82.2
45S-20S	120.5	121.9	117.7	111.2	107.0	103.2	98.3
20S-20N	109.8	120.5	118.3	116.7	115.3	112.0	105.8
45N-20N	130.4	131.6	128.4	121.2	116.4	108.9	101.3
60N-45N	126.4	122.0	115.5	107.7	100.6	92.8	85.5
90N-60N	106.6	102.7	97.1	88.2	80.3	73.3	66.1
Latitude (degree)	Altitude (km)						
	15	16	17	18	19	20	21
90S-60S	46.9	38.6	29.9	22.0	15.9	12.1	10.0
60S-45S	76.8	69.6	60.7	50.4	39.4	30.2	22.9
45S-20S	96.1	93.5	89.9	82.7	72.0	59.5	47.1
20S-20N	103.8	103.6	105.1	103.0	96.8	87.2	76.7
45N-20N	98.7	96.8	93.4	88.6	79.4	66.7	54.3
60N-45N	80.6	75.4	68.9	60.3	50.3	40.2	31.3
90N-60N	58.7	50.5	42.3	34.3	26.7	20.4	16.3
Latitude (degree)	Altitude (km)						
	22	23	24	25	26	27	28
90S-60S	9.3	10.6	12.5	14.2	7.7	2.7	1.1
60S-45S	17.6	16.2	18.3	20.1	18.8	12.4	5.6
45S-20S	36.0	27.8	22.3	21.0	21.8	21.6	19.4
20S-20N	66.7	55.5	42.6	33.8	29.5	27.0	25.8
45N-20N	43.0	33.3	26.7	25.2	25.6	23.8	19.9

60°N-45°N	24.8	21.5	22.1	23.2	21.0	14.0	6.5
90°N-60°N	15.2	17.0	18.4	17.2	8.7	3.0	1.2
Latitude	Altitude (km)						
(degree)	29	30					
90°S-60°S	0.5	0.1					
60°S-45°S	2.8	0.6					
45°S-20°S	14.2	3.1					
20°S-20°N	23.3	8.7					
45°N-20°N	14.9	3.3					
60°N-45°N	3.3	0.7					
90°N-60°N	0.6	0.1					

Table 3: The number of profiles that were used for generating the average profile for that specific latitude bin. ACE's orbit means that more measurements are taken in the polar regions.

Latitude (degree)	Number of profiles in average
70°S-65°S	797
65°S-60°S	686
60°S-55°S	456
55°S-50°S	301
50°S-45°S	201
45°S-40°S	158
40°S-35°S	129
35°S-30°S	130
30°S-25°S	117
25°S-20°S	96
20°S-15°S	103
15°S-10°S	91
10°S-5°S	77
5°S-0°	85
0°-5°N	104
5°N-10°N	91
10°N-15°N	83
15°N-20°N	94
20°N-25°N	104
25°N-30°N	114
30°N-35°N	141
35°N-40°N	161
40°N-45°N	195
45°N-50°N	267
50°N-55°N	354
55°N-60°N	472
60°N-65°N	836
65°N-70°N	979
70°N-75°N	346
75°N-80°N	450