

Instrument (retrieval version)	Altitude [km]	N	Mean difference ± SEM [ppmv]	σ [ppmv]	Median difference [ppmv]	Mean difference ± SEM [%]	σ [%]	Median difference [%]
ACE-FTS (v3.6)	6.0	62	-8.9 ± 12.0	94.8	+12.8	$+29.2 \pm 10.7$	84.6	+9.7
	8.0	103	$+0.3 \pm 3.4$	34.6	+3.3	$+3.5 \pm 7.4$	75.7	+7.0
	10.0	60	-5.0 ± 1.7	13.1	-0.6	-9.8 ± 6.0	46.3	-4.9
	12.0	22	$+1.2 \pm 0.3$	1.5	+1.7	$+32.4 \pm 5.9$	27.8	+34.6
ACE-MAESTRO (v30)	6.0	62	-56.1 ± 32.3	254.7	-24.6	$+27.0 \pm 24.8$	171.2	-23.4
	8.0	100	-13.3 ± 8.1	80.8	-10.9	-4.3 ± 9.0	90.0	-33.7
	10.0	43	-2.0 ± 3.1	20.2	-1.2	-4.8 ± 10.5	68.9	-12.8
	12.0	13	-1.1 ± 0.6	2.0	-1.9	-30.7 ± 11.0	39.7	-42.4
AIRS (v6)	3.0	72491	-72.9 ± 1.8	478.4	-56.1	$+6.4 \pm 0.2$	56.0	-6.9
	6.0	182139	-12.9 ± 0.3	118.8	-3.6	$+10.3 \pm 0.1$	61.7	-2.7
	8.0	246376	$+3.5 \pm 0.1$	47.7	+3.1	$+16.4 \pm 0.1$	51.5	+7.2
	10.0	40752	-8.4 ± 0.0	17.5	-2.5	-9.3 ± 0.1	30.9	-12.0
	12.0	9476	-2.0 ± 0.1	9.2	+0.4	$+6.9 \pm 0.3$	30.3	+8.7
MLS (v4.2)	8.0	136	-29.1 ± 8.0	93.4	-6.3	-18.5 ± 4.5	52.0	-29.4
	10.0	6164	-7.4 ± 0.3	26.3	-4.0	-27.1 ± 0.4	33.7	-31.2
	12.0	683	-2.7 ± 0.3	9.0	-0.1	-6.1 ± 1.0	27.1	-2.2