

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