

316 hPa		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Pearson correlation coefficient		0.83	0.84	0.85	0.84	0.84	0.84	0.84	0.82	0.74	0.74	0.71	0.78
Differences (TES−AIRS+OMI)	Mean (ppb)	8.3	8.5	7.3	6.9	8.1	6.0	4.8	2.8	1.4	1.9	3.4	5.4
	rms (ppb)	16.3	20.5	21.5	21.6	22.6	19.8	17.8	15.6	16.2	14.9	13.4	13.2
	Mean (%)	12.9	11.6	9.8	7.3	7.3	5.0	3.6	2.3	0.1	1.9	4.3	7.7
	rms (%)	24.1	26.5	24.2	25.7	24.7	23.8	22.1	22.2	23.2	23.7	21.2	20.8
Total error	AIRS+OMI O <sub>3</sub> (%)	28.8	28.8	28.6	28.9	28.5	28.0	27.9	27.5	27.8	28.2	28.8	28.9
	TES V6 O <sub>3</sub> (%)	22.7	22.6	22.5	23.0	22.9	22.1	22.1	22.2	22.5	22.3	22.8	22.9
510 hPa		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Pearson correlation coefficient		0.81	0.84	0.87	0.88	0.89	0.86	0.86	0.82	0.74	0.74	0.71	0.79
Differences (TES−AIRS+OMI)	Mean (ppb)	3.3	2.6	2.9	3.3	3.6	4.1	4.1	4.2	3.9	3.2	3.1	3.5
	rms (ppb)	7.7	8.3	8.6	8.9	9.2	9.5	8.7	8.2	8.7	8.2	7.4	7.1
	Mean (%)	6.5	3.8	4.9	4.2	4.2	4.5	4.6	5.6	4.7	4.2	5.2	6.6
	rms (%)	16.3	18.2	17.3	18.2	16.4	17.0	16.5	15.0	16.5	16.6	15.4	15.4
Total error	AIRS+OMI O <sub>3</sub> (%)	22.5	22.4	22.5	22.8	23.0	22.8	22.7	22.6	22.4	22.3	22.4	22.5
	TES V6 O <sub>3</sub> (%)	20.4	20.4	20.1	20.1	20.1	19.5	19.6	19.7	19.6	19.4	19.9	20.3
750 hPa		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Pearson correlation coefficient		0.92	0.89	0.90	0.90	0.90	0.83	0.82	0.80	0.74	0.76	0.87	0.92
Differences (TES−AIRS+OMI)	Mean (ppb)	0.4	−0.8	0.4	1.2	1.6	2.2	2.3	3.2	3.3	2.0	1.5	1.4
	rms (ppb)	5.2	6.4	6.7	7.0	6.4	7.1	6.4	6.3	6.9	6.1	5.2	4.8
	Mean (%)	0.2	−4.1	0.6	0.3	1.3	2.3	2.9	5.4	5.4	2.9	2.9	3.0
	rms (%)	14.7	19.3	19.3	19.8	15.9	17.4	16.0	14.6	16.8	16.1	14.3	13.4
Total error	AIRS+OMI O <sub>3</sub> (%)	23.9	22.9	22.4	22.9	24.1	24.7	24.6	24.2	23.9	24.2	23.9	24.1
	TES V6 (%)	24.2	23.8	23.1	23.3	24.0	24.0	24.0	23.6	23.4	23.4	23.5	23.8
Number of global survey	AIRS+OMI	16	13	14	15	16	15	15	16	16	15	15	16
	TES	15	13	16	14	15	15	16	14	9	16	15	15