Atmospheric
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Supplement of

Global total ozone recovery trends attributed to ozone-depleting substance (ODS) changes derived from five merged ozone datasets

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Table S1. Different MLR settings applied to the broad zonal mean median ozone timeseries but limited to the period 1979-2016 (last four years removed compared to Table 3). For explanations of terms see Table 3. Standard MLR is based upon Eq. 1 with $P(t) = 0$. Iterative MLR means that only terms in $P(t)$ and the ENSO term are fitted when they are statistically significant (2σ), while full MLR includes all terms in Eq. 1 and $P(t)$.

zonal bands	MLR	parameters added	r^2	χ [DU]	trend ($t \leq 1995$) [%/decade]	trend ($t \geq 1996$) [%/decade]
60°S-60°N	full	all	0.95	1.0	**-1.6(6)**	**+0.4(3)**
	iterative	BDCs, BDCn, AAO	0.95	1.0	**-1.6(6)**	**+0.4(2)**
	standard	-	0.79	1.2	**-2.2(6)**	**+0.3(3)**
35N°S-60°N	full	all	0.88	3.0	**-2.0(14)**	+0.5(7)
	iterative	all	0.88	3.0	**-2.0(14)**	+0.5(7)
	standard	-	0.76	4.0	**-4.0(15)**	+0.3(9)
20S°S-20°N	full	all	0.87	1.2	**-1.1(8)**	+0.2(4)
	iterative	BDCs, ENSO	0.85	1.2	**-0.6(6)**	+0.2(4)
	standard	-	0.79	1.4	**-0.8(7)**	+0.2(4)
35S°S-60°S	full	all	0.92	2.6	**-2.7(14)**	**+0.6(6)**
	iterative	AAO	0.90	2.6	**-3.0(12)**	**+0.6(6)**
	standard	-	0.79	3.6	**-3.2(16**	+0.6(7)

bold numbers: statistical significance at 2σ .