

Region	Annual relative trends of coincident data ($\% \text{ yr}^{-1}$)				Annual relative trends using all data ($\% \text{ yr}^{-1}$)			
	Standard		Lightning filter ^a		Standard		Lightning filter	
	AQS	OMI	AQS	OMI	AQS	OMI ^b	AQS	OMI ^b
West	-4.1 ± 0.5	-3.2 ± 0.4	-4.2 ± 0.5	-3.8 ± 0.4	-4.1 ± 0.5	-0.9 ± 0.4	-4.2 ± 0.5	-2.0 ± 0.3
Midwest	-3.4 ± 0.5	-3.6 ± 0.4	-2.8 ± 0.6	-3.1 ± 0.5	-2.5 ± 0.5	-0.9 ± 0.4	-2.2 ± 0.5	-1.8 ± 0.4
Northeast	-5.8 ± 0.5	-5.0 ± 0.5	-5.2 ± 0.6	-5.3 ± 0.7	-4.7 ± 0.5	-3.0 ± 0.4	-4.1 ± 0.5	-3.1 ± 0.5
South	-3.8 ± 0.4	-2.7 ± 0.3	-3.0 ± 0.5	-3.0 ± 0.5	-3.5 ± 0.4	-0.2 ± 0.4	-3.0 ± 0.5	-0.9 ± 0.3
Nationwide	-4.3 ± 0.4	-3.5 ± 0.3	-4.1 ± 0.4	-3.9 ± 0.3	-4.0 ± 0.4	-0.7 ± 0.3	-3.9 ± 0.4	-1.5 ± 0.2