



## Correction to “Meteorological bias in satellite estimates of aerosol-cloud relationships”

Guillaume S. Mauger and Joel R. Norris

Received 27 January 2008; published 12 April 2008.

**Citation:** Mauger, G. S., and J. R. Norris (2008), Correction to “Meteorological bias in satellite estimates of aerosol-cloud relationships,” *Geophys. Res. Lett.*, *35*, L07815, doi:10.1029/2008GL033386.

[1] In the paper “Meteorological bias in satellite estimates of aerosol-cloud relationships” by Guillaume S. Mauger and Joel R. Norris (*Geophysical Research Letters*, *34*, L16824, doi:10.1029/2007GL029952, 2007), an error has been identified in paragraph 16. A mistake in the regression calculations led to an overcorrection for the

systematic relationship between aerosol optical depth (AOD) and lower tropospheric stability (LTS). Application of more robust compositing analysis indicates that the increase in cloud fraction with AOD is 24% smaller, not 54% smaller, when LTS is taken into account. While this change does represent a smaller correction to the estimated aerosol-cloud sensitivity, it does not alter our main conclusions that (1) there are systematic differences in the meteorological forcing of clean and polluted cases, and (2) that the history of meteorological forcing must be accounted for in assessing aerosol impacts on cloud forcing.