

Changes made to account for final comments on the revised manuscript number amt-2021-158 'Glyoxal tropospheric column retrievals from TROPOMI, multi-satellite intercomparison and ground-based validation.'

As requested, we have added a sentence in the abstract to highlight the current uncertainties associated to the glyoxal levels over equatorial oceans.

We replaced the sentence

“Systematic errors are typically in the range of $1-3 \times 10^{14}$ molec/cm² (~30-70% in emission regimes).”

by

“Systematic errors are typically in the range of $1-3 \times 10^{14}$ molec/cm² (~30-70% in emission regimes) and originate mostly from a priori data uncertainties as well as spectral interferences with other absorbing species. The latter may be at the origin, at least partly, of an enhanced glyoxal signal over Equatorial Oceans and further investigation is needed to mitigate them.”