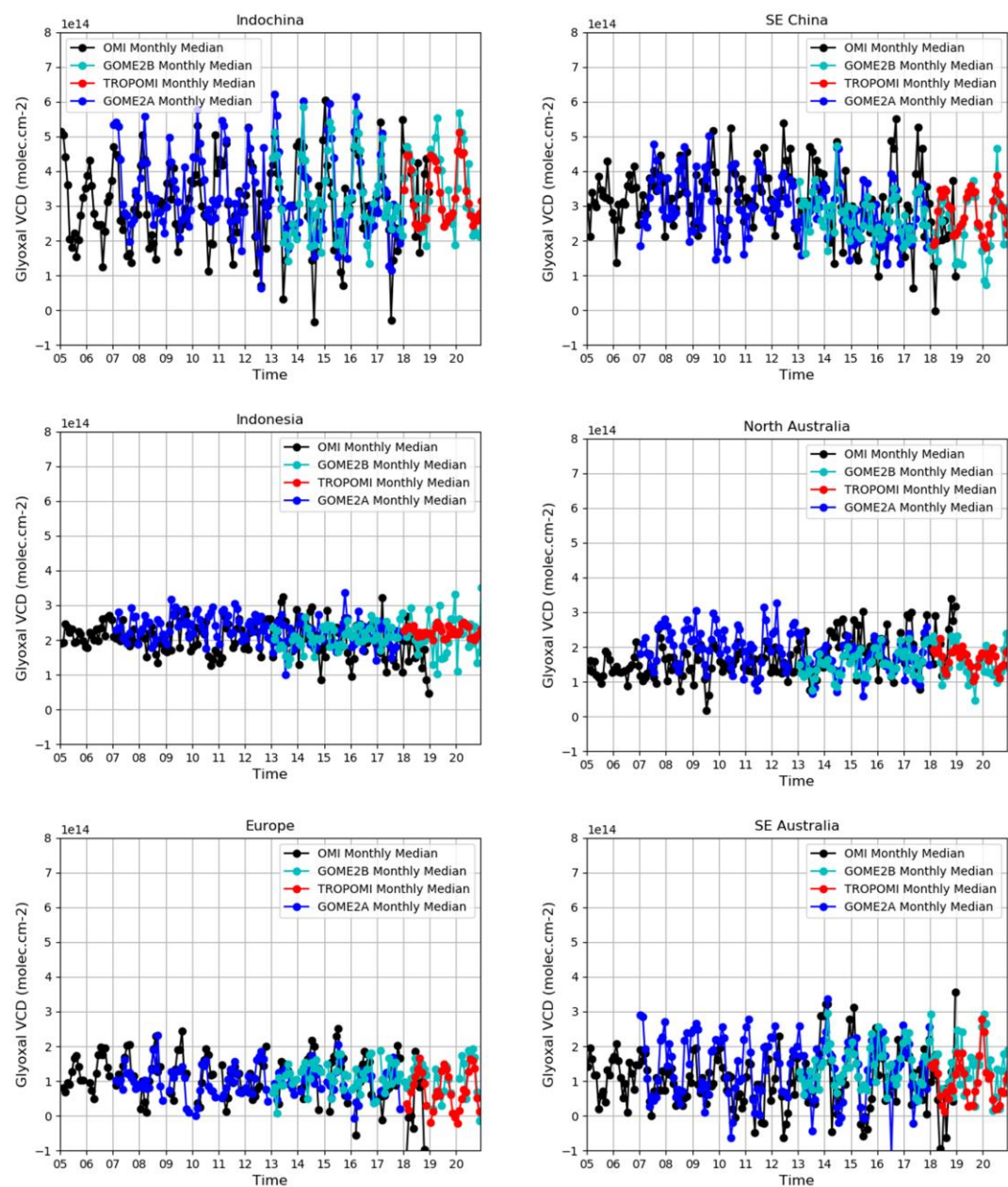


1 **Supplementary figures**



2
3 **Figure S1: Comparison of the monthly median glyoxal VCD time series from GOME-2A/B, OMI and TROPOMI in a**
4 **few selected regions worldwide.**

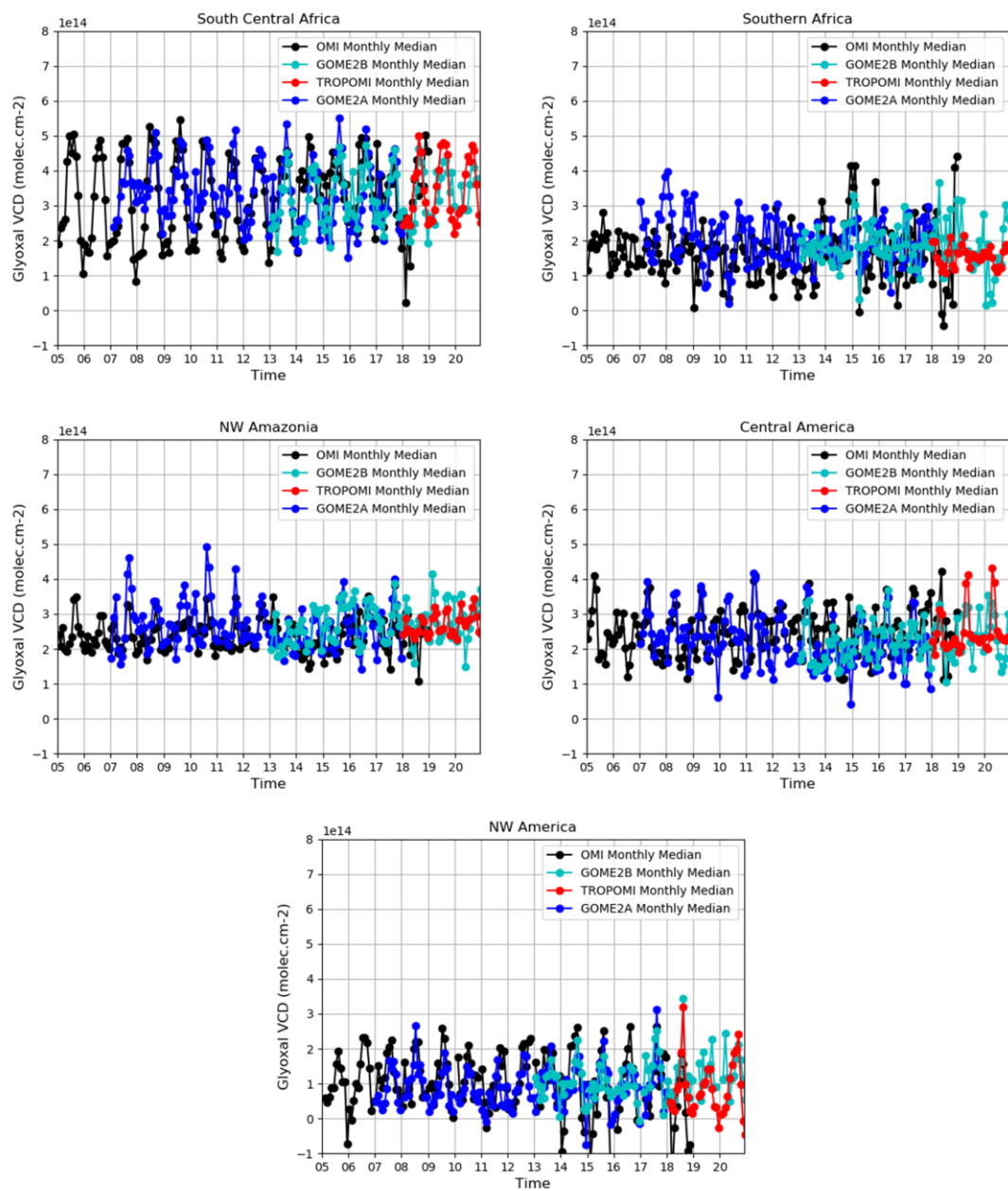


Figure S2: Comparison of the monthly median glyoxal VCD time series from GOME-2A/B, OMI and TROPOMI in a few selected regions worldwide.

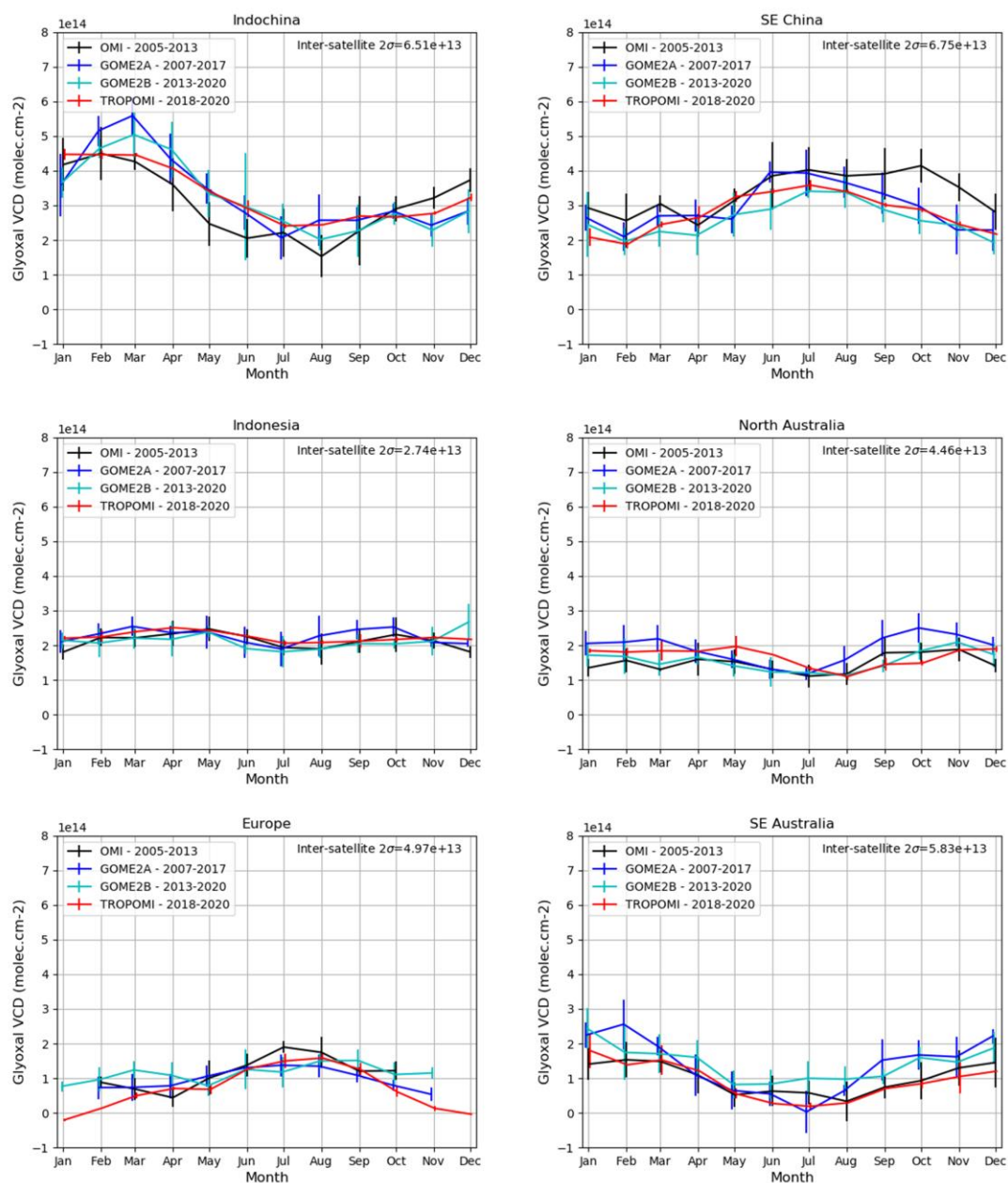


Figure S3: Comparison of the climatological seasonal variation of the monthly median glyoxal VCDs from GOME-2A/B, OMI and TROPOMI in a few selected regions worldwide. The error bars represent the interannual variability as derived from the full time series.

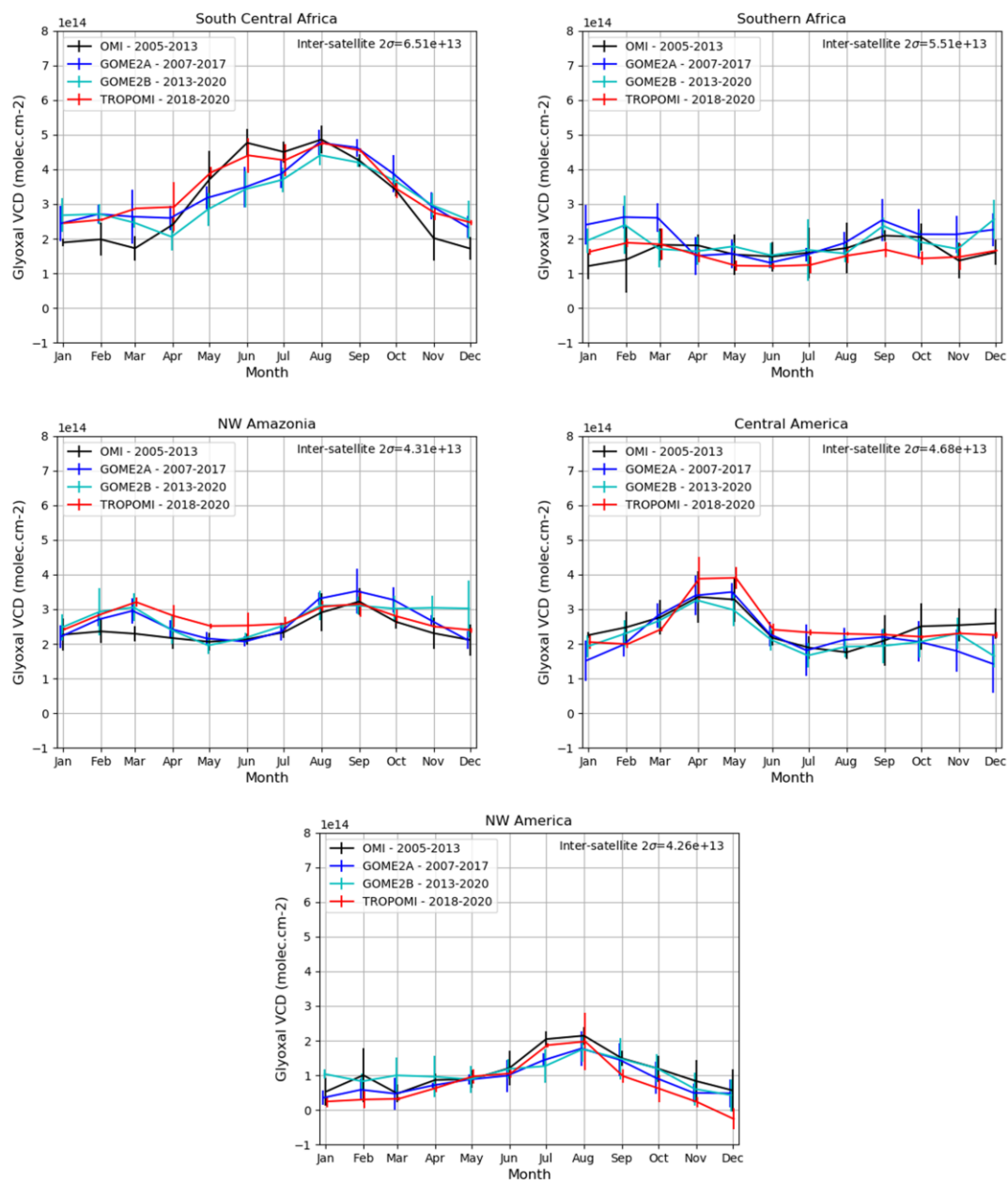


Figure S4: Comparison of the climatological seasonal variation of the monthly median glyoxal VCDs from GOME-2A/B, OMI and TROPOMI in a few selected regions worldwide. The error bars represent the interannual variability as derived from the full time series.