



## **Data assimilation of tropospheric constituents and estimation of their surface sources**

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Paper presents discussion of strategies for the unbiased data assimilation of tropospheric constituents retrieved from the satellite radiance data with estimation of their event-driven sources. Chemical data assimilation schemes for these diverse data sets from multi-platform observations can be viewed as a possible tools for evaluating consistency and discrepancy between satellite tracer retrievals in the troposphere.