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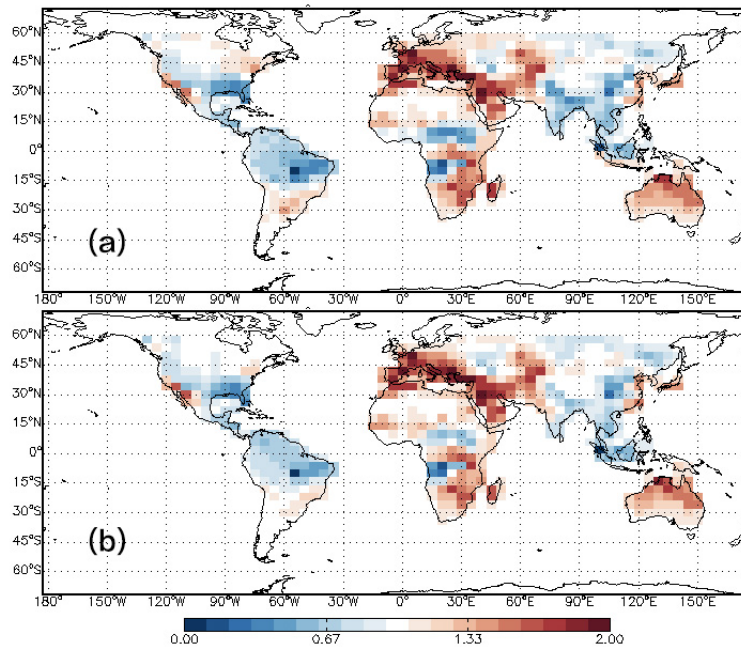
## **A 15-year record of CO emissions constrained by MOPITT CO observations**

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## Supporting Information



**Figure S1.** Scaling factors for June 2004 using MOPITT profile (10 levels) data. The scaling factors are defined as the ratio of the a posteriori to a priori emissions. (a) result with 20% uniform error (this work) (b) result with full error covariance matrix based on MOPITT error covariance. There are only limited discrepancies between these two results.