## **Quantifying CO emissions from boreal wildfires by assimilating TROPOMI and TCCON observations**

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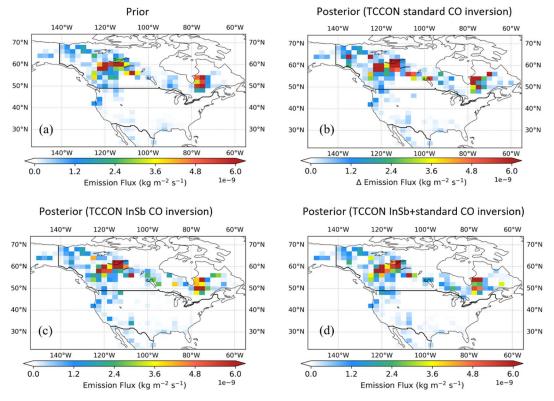


Figure S1. Comparison of the spatial distribution of the time-averaged (May-September) biomass burning CO emissions from CFFEPS in the (a) a priori model, (b) a posteriori using TROPOMI and standard TCCON, (c) a posteriori using TROPOMI and InSb TCCON, and (d) a posteriori using TROPOMI plus TCCON standard and TCCON InSb data.