1 **Supplement** (ACP submission by Lucien Froidevaux et al.)

2 **Tropical upper tropospheric trends in ozone and carbon monoxide (2005–2020): observational and model results**

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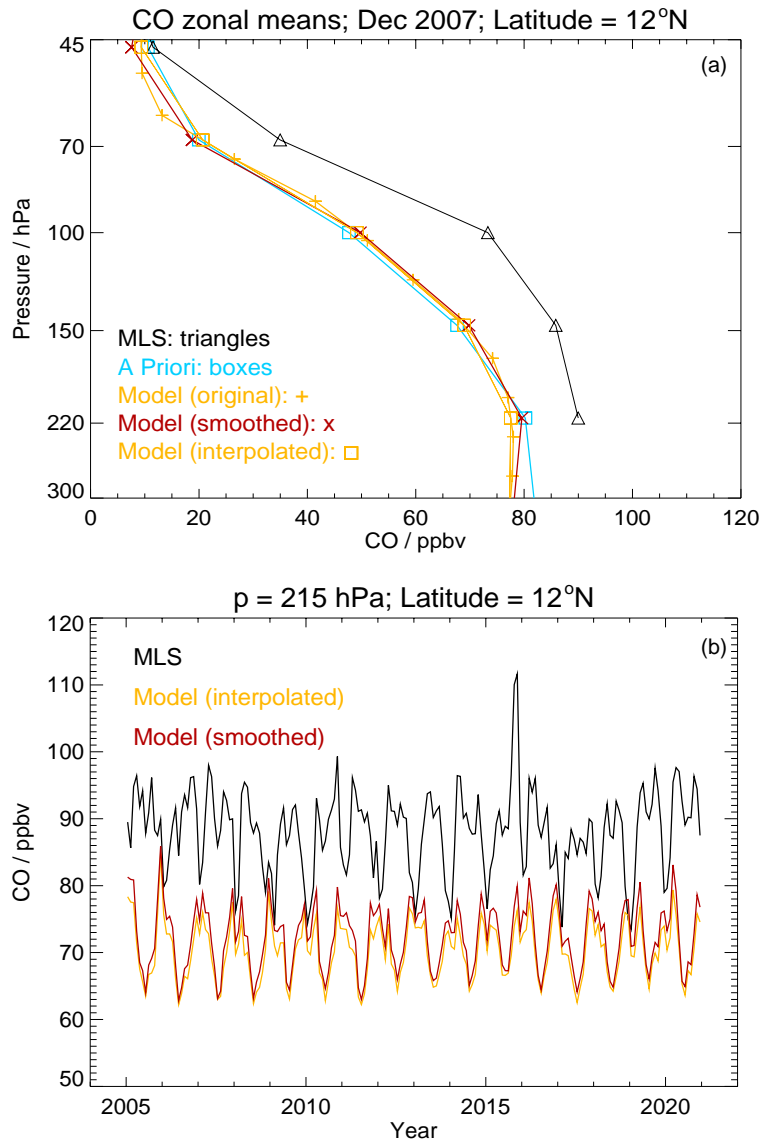
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6 **Figure S1.** (a) Example of CO zonal mean profiles for December 2007 at 12ºN, with MLS profile (black
7 triangles), a priori tropical profile (cyan boxes), WACCM original profile on model grid (orange plus signs),
8 smoothed model profile (red crosses) using the MLS tropical averaging kernels, and model profile using a
9 simple interpolation (oranges boxes). (b) CO zonal mean series at 215 hPa for 12ºN from MLS (black),
10 WACCM series from simple interpolated profiles, (orange), and WACCM series from smoothed profiles
11 using the MLS tropical averaging kernels and a priori profiles (see (a)).
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