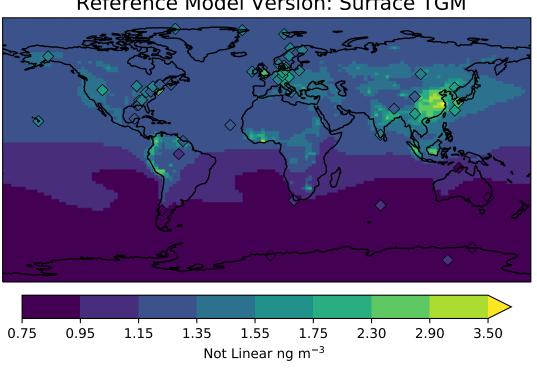
Reference Model Version: Surface TGM

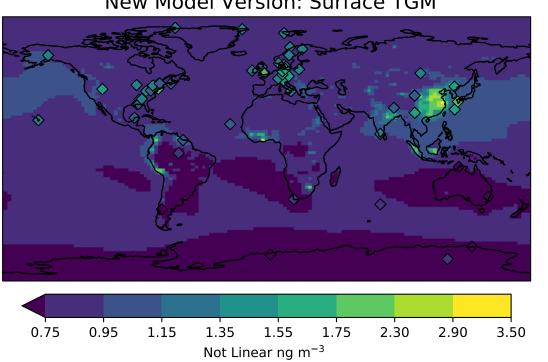


Terrestrial $R^2 = 0.599$

Mean Mod. = $1.29 \pm 0.19 \text{ ng m}^{-3}$

Mean Obs. = $1.39 \pm 0.26 \text{ ng m}^{-3}$

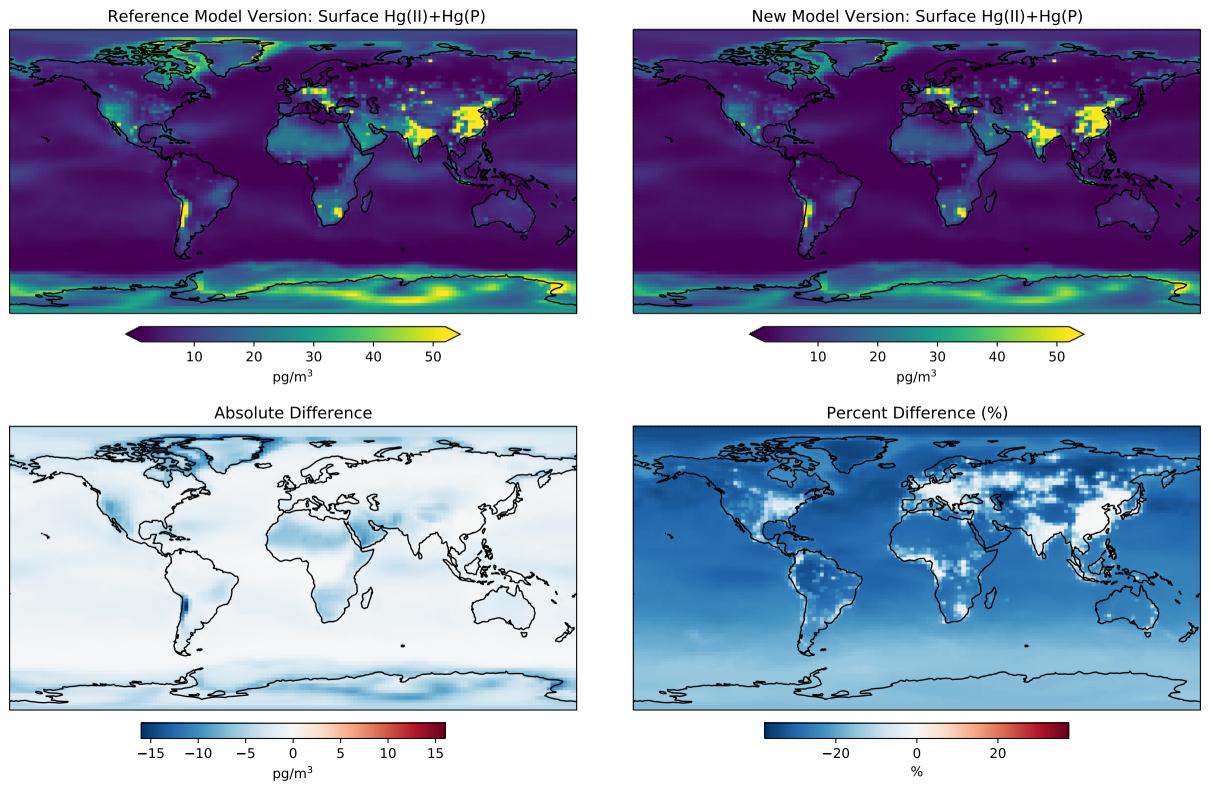
New Model Version: Surface TGM

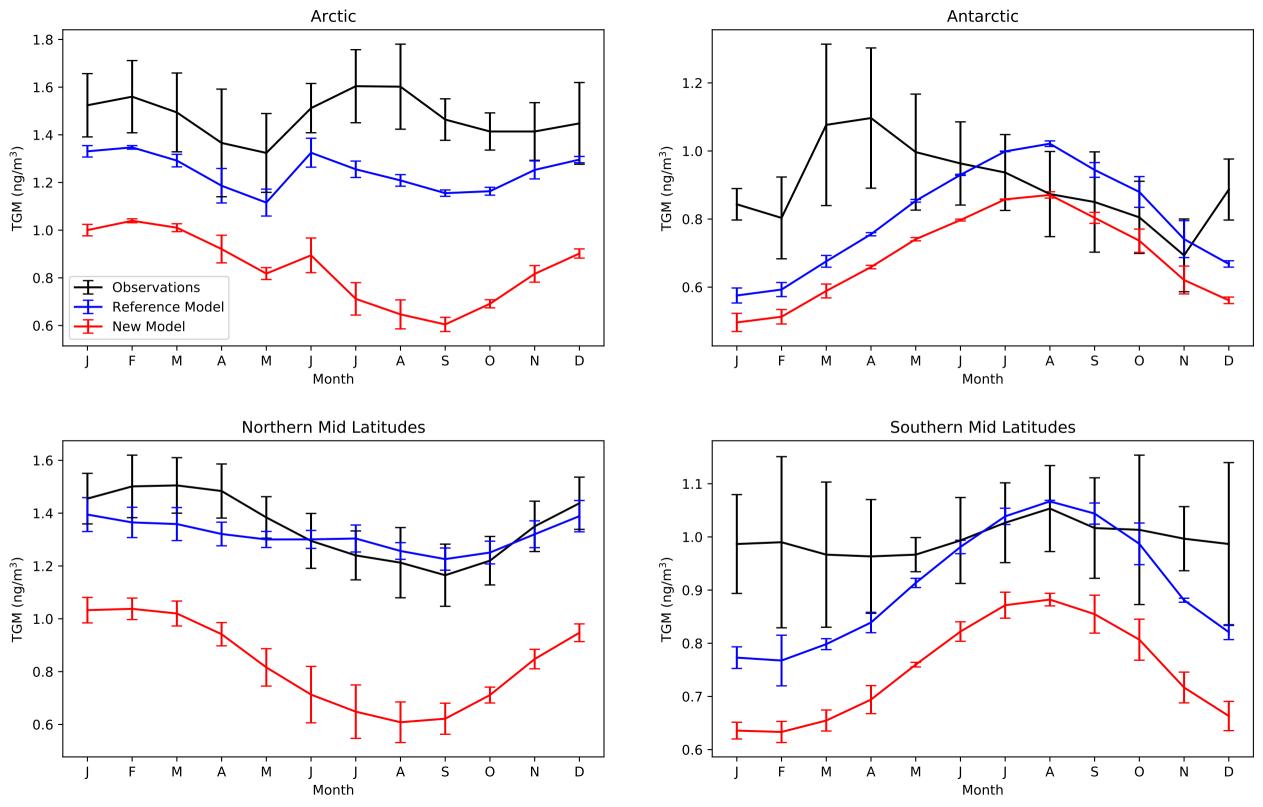


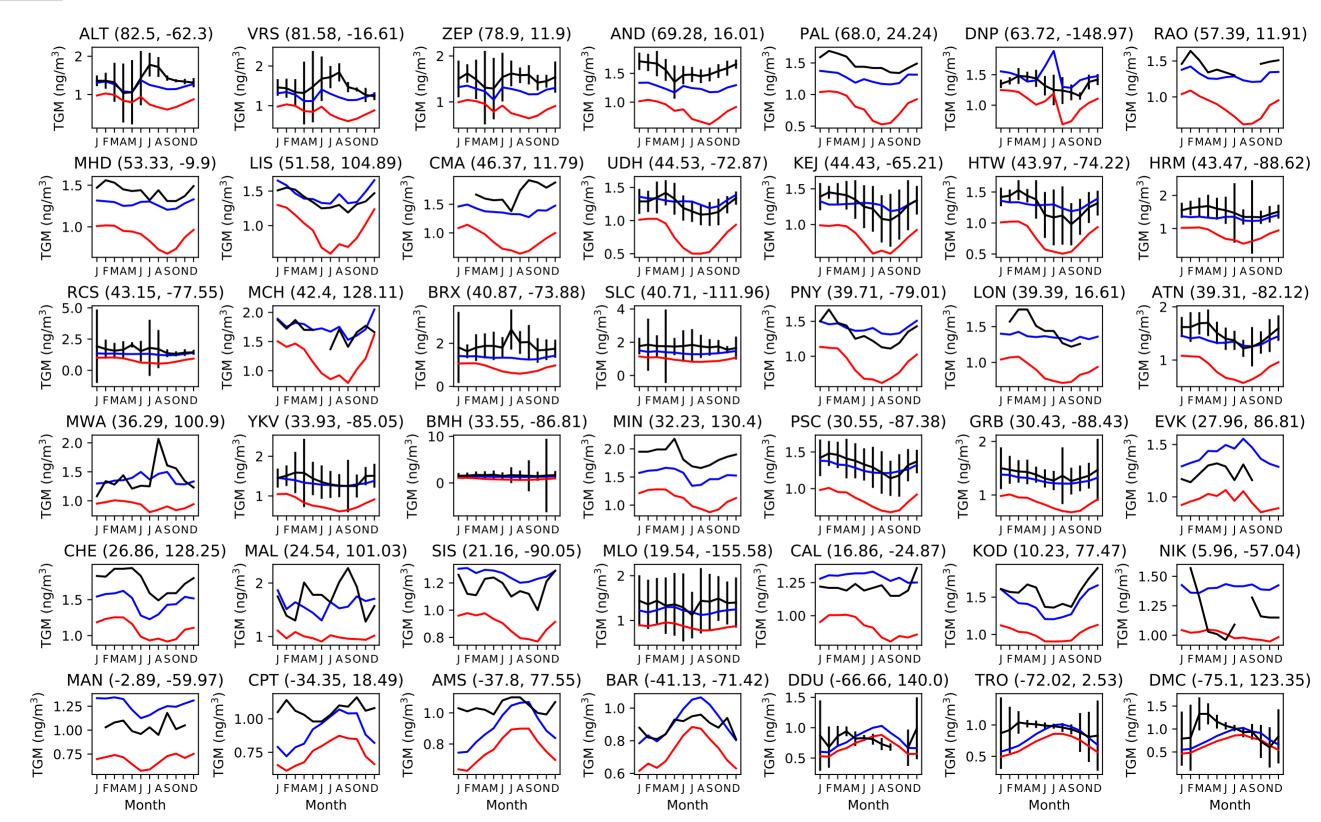
Terrestrial $R^2 = 0.437$ Mean Mod. = $0.87 \pm 0.11 \text{ ng m}^{-3}$

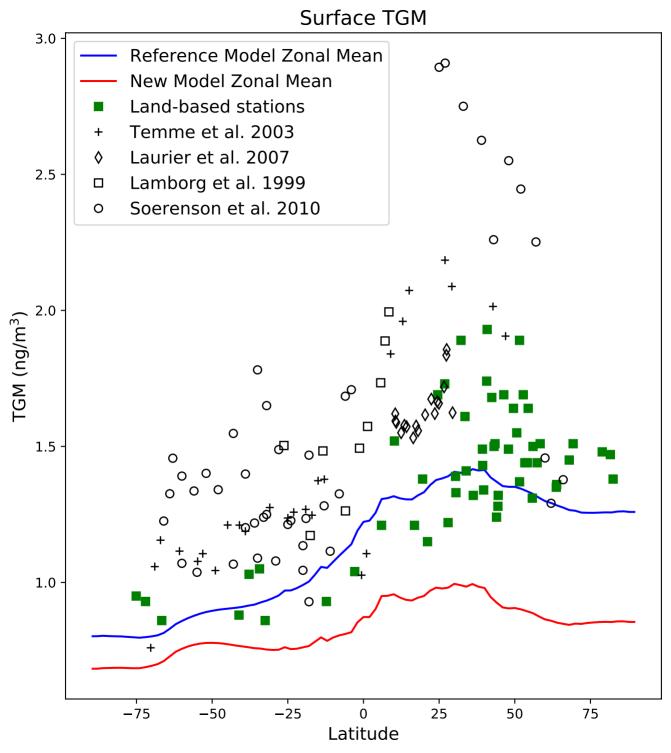
Mean Obs. = $1.39 \pm 0.26 \text{ ng m}^{-3}$

Reference Model Version: Surface TGM New Model Version: Surface TGM 8.0 1.0 1.2 1.4 1.2 1.4 1.6 1.6 1.0 8.0 ng/m³ ng/m³ Percent Difference (%) Absolute Difference -0.75 -0.50 -0.25 0.00 0.25 0.50 0.75-40 20 40 -20ng/m³

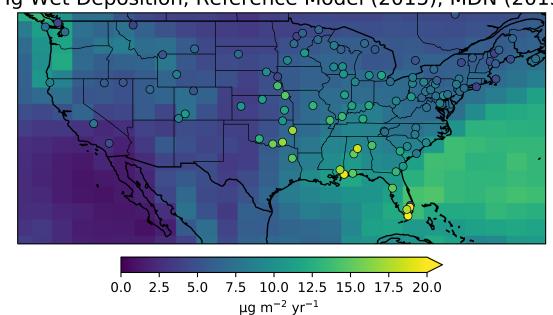






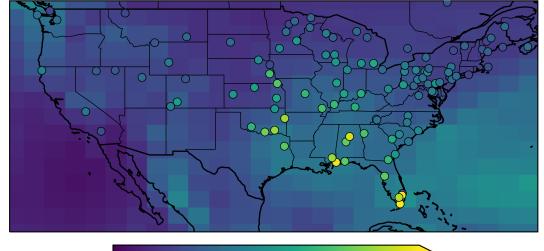


Hg Wet Deposition, Reference Model (2015), MDN (2015)



 $R^2 = 0.277$ Mean Mod. = $7.0 \pm 2.3 \,\mu g \, m^{-2} \, yr^{-1}$ Mean Obs. = $8.9 \pm 4.1 \,\mu g \, m^{-2} \, yr^{-1}$

Hg Wet Deposition, New Model (2015), MDN (2015)



 R^2 = 0.527 Mean Mod. = 4.9 ± 1.8 µg m⁻² yr⁻¹ Mean Obs. = 8.9 ± 4.1 µg m⁻² yr⁻¹

Wet deposition fluxes, Eastern USA

