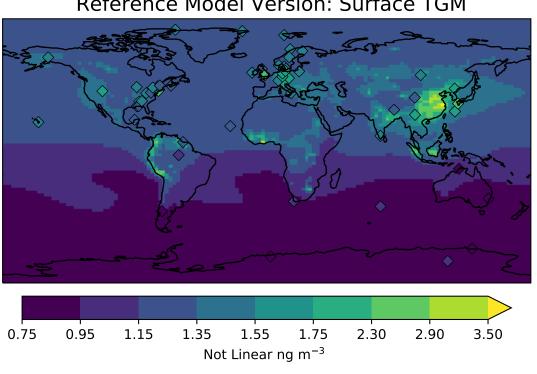
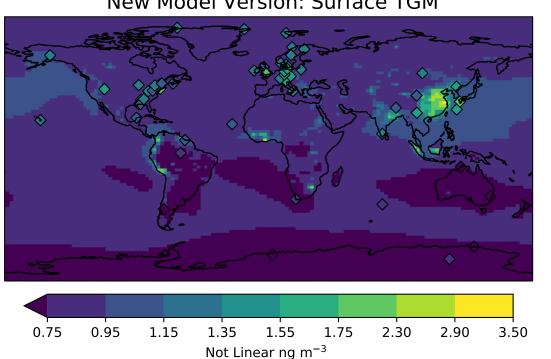
Reference Model Version: Surface TGM

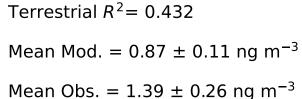


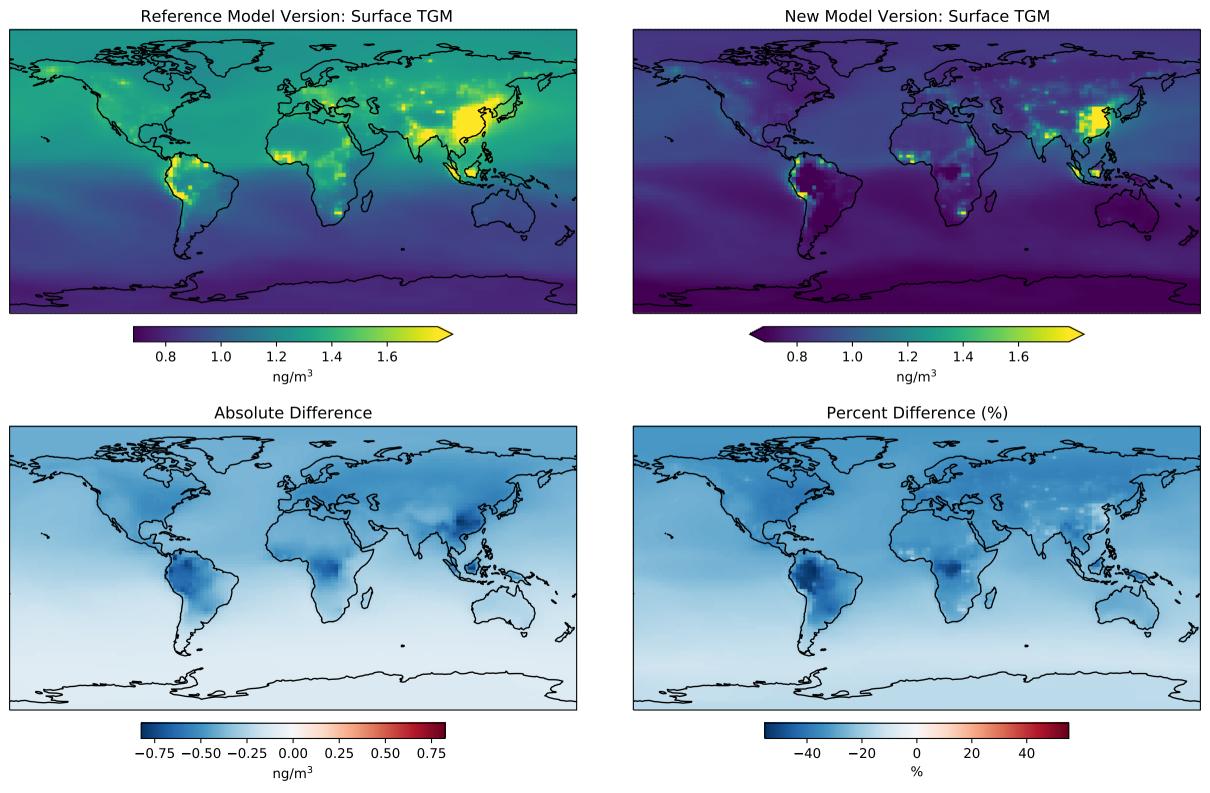
Terrestrial  $R^2 = 0.598$ Mean Mod. =  $1.29 \pm 0.19 \text{ ng m}^{-3}$ 

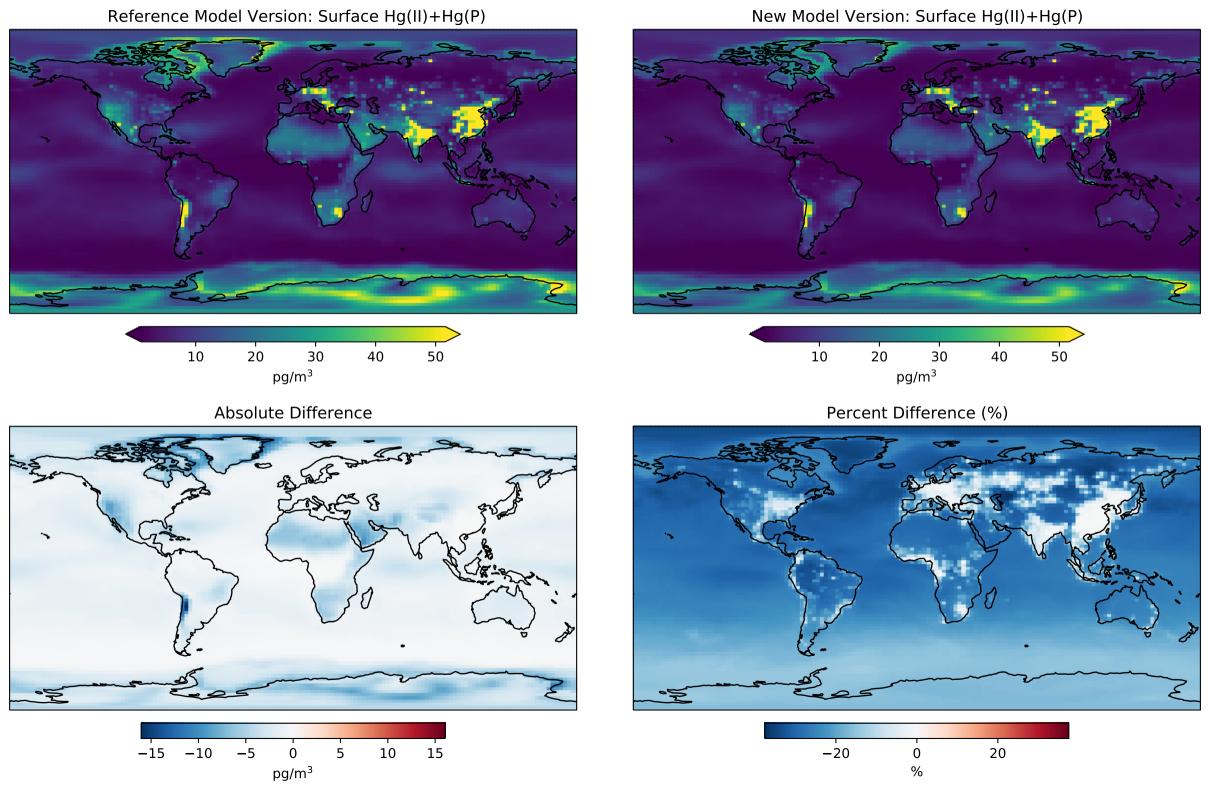
Mean Obs. =  $1.39 \pm 0.26 \text{ ng m}^{-3}$ 

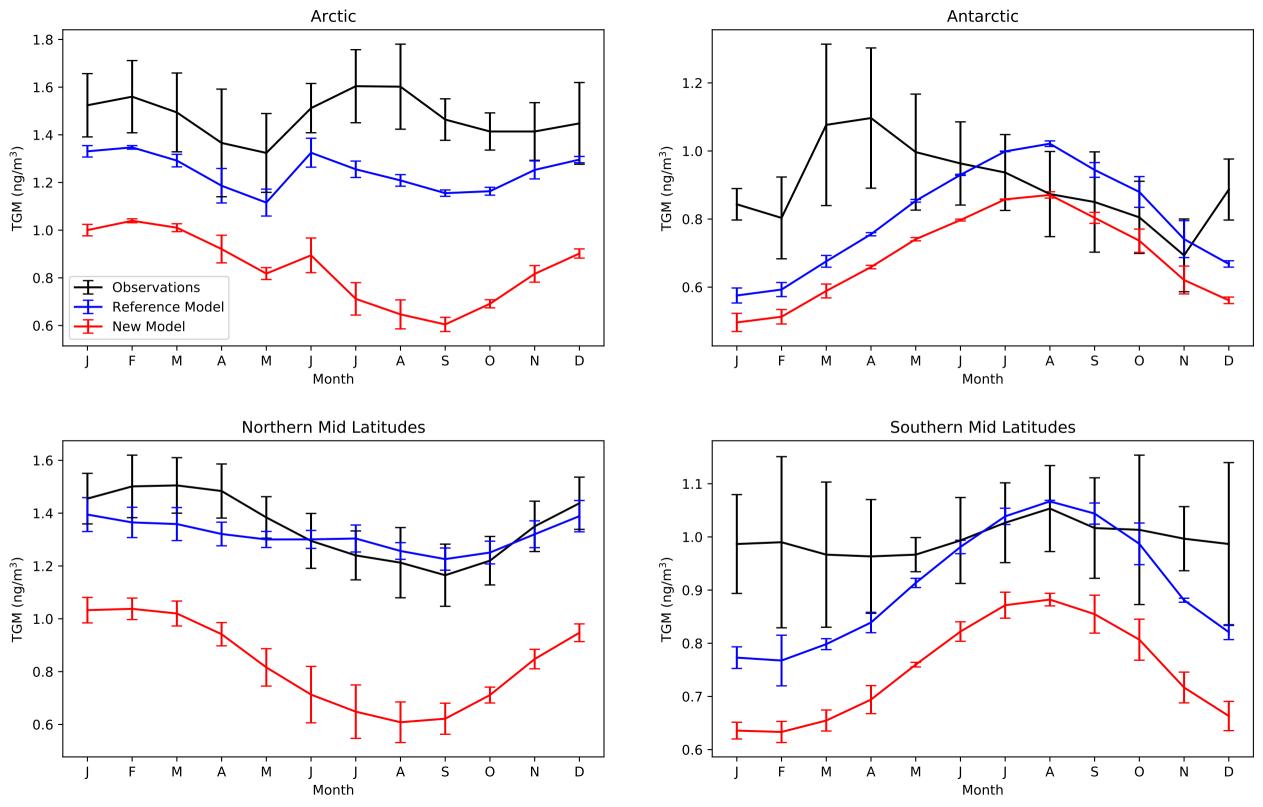
New Model Version: Surface TGM

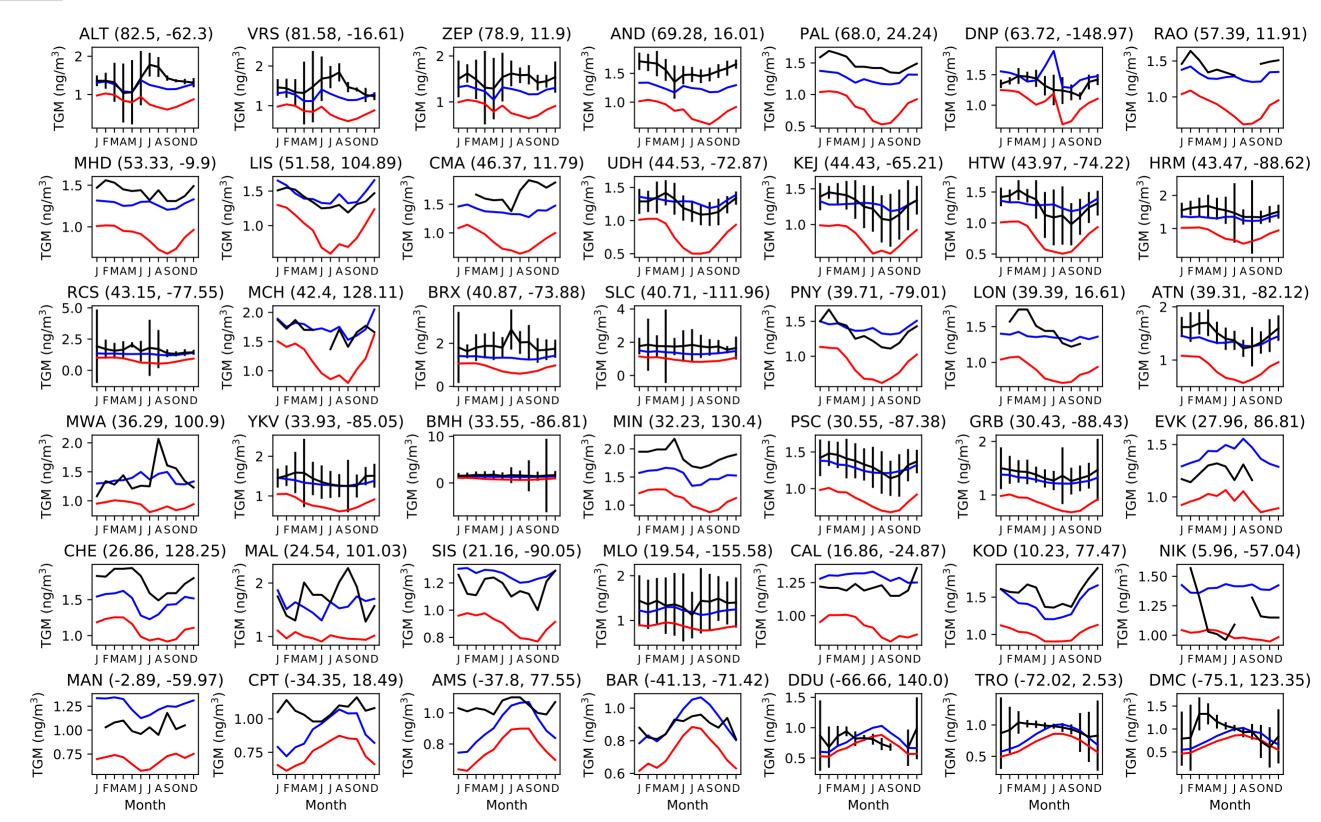


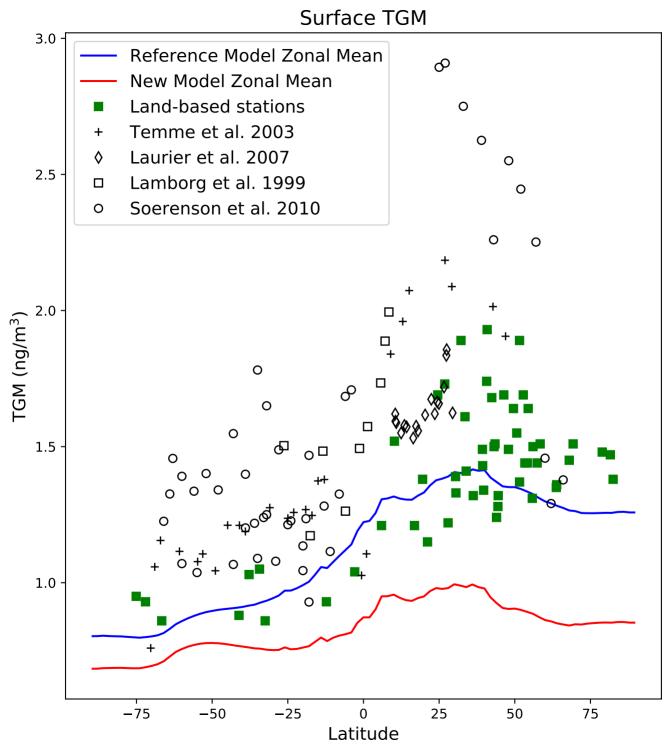




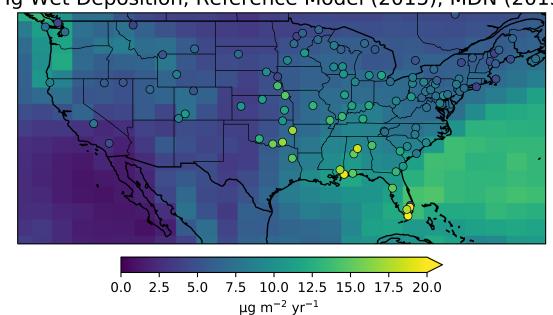






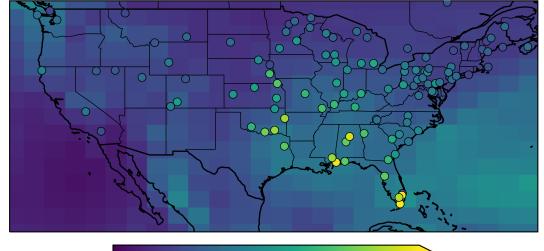


Hg Wet Deposition, Reference Model (2015), MDN (2015)



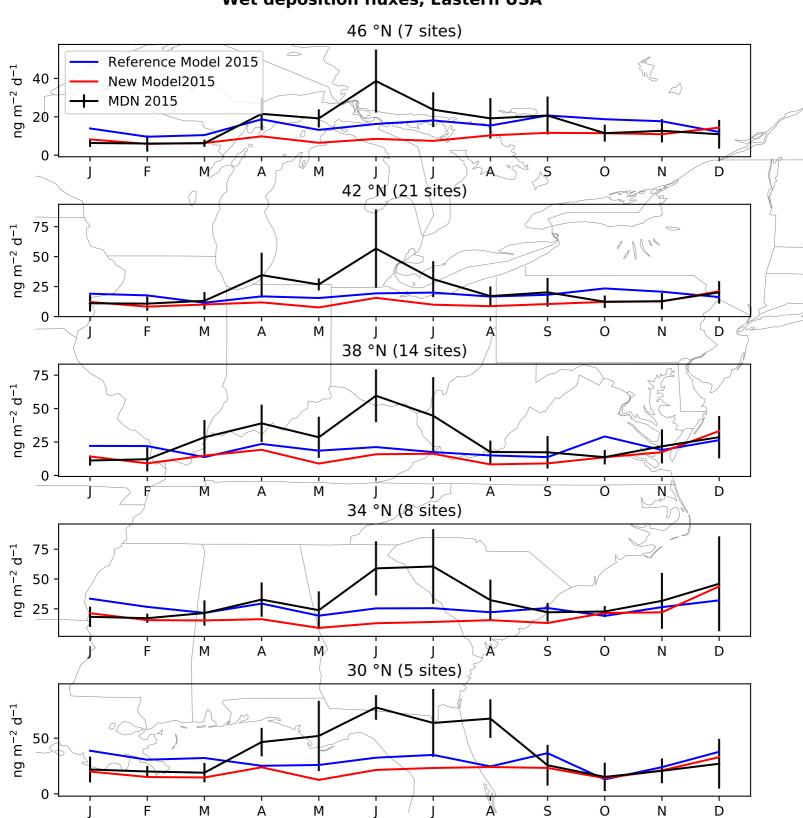
 $R^2 = 0.277$ Mean Mod. =  $7.0 \pm 2.3 \,\mu g \, m^{-2} \, yr^{-1}$ Mean Obs. =  $8.9 \pm 4.1 \,\mu g \, m^{-2} \, yr^{-1}$ 

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

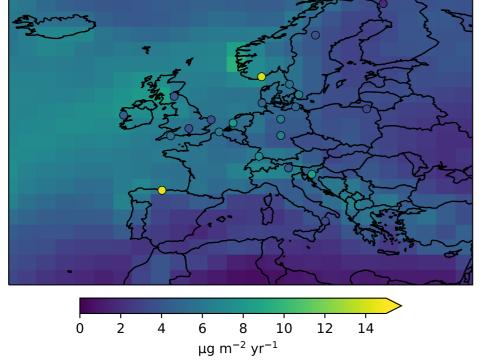


 $R^2$ = 0.527 Mean Mod. = 4.9 ± 1.8 µg m<sup>-2</sup> yr<sup>-1</sup> Mean Obs. = 8.9 ± 4.1 µg m<sup>-2</sup> yr<sup>-1</sup>

## Wet deposition fluxes, Eastern USA

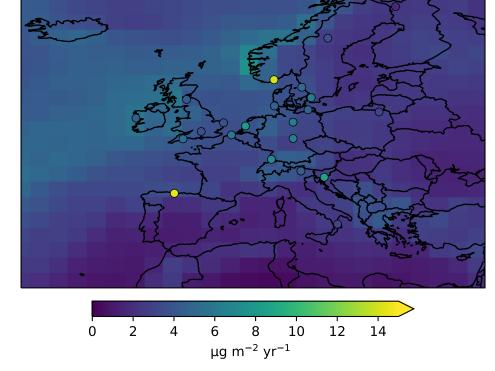


Hg Wet Deposition, Reference Model (2015), EMEP (2013-15)



 $R^2 = 0.168$ 

Mean Mod. =  $5.3 \pm 1.1 \,\mu g \, m^{-2} \, yr^{-1}$ Mean Obs. =  $5.9 \pm 3.1 \,\mu g \, m^{-2} \, yr^{-1}$ 



Hg Wet Deposition, New Model (2015), EMEP (2013-15)

 $R^2 = 0.069$ 

Mean Mod. =  $3.5 \pm 0.7 \,\mu g \, m^{-2} \, yr^{-1}$ 

Mean Obs. =  $5.9 \pm 3.1 \,\mu g \, m^{-2} \, yr^{-1}$ 

