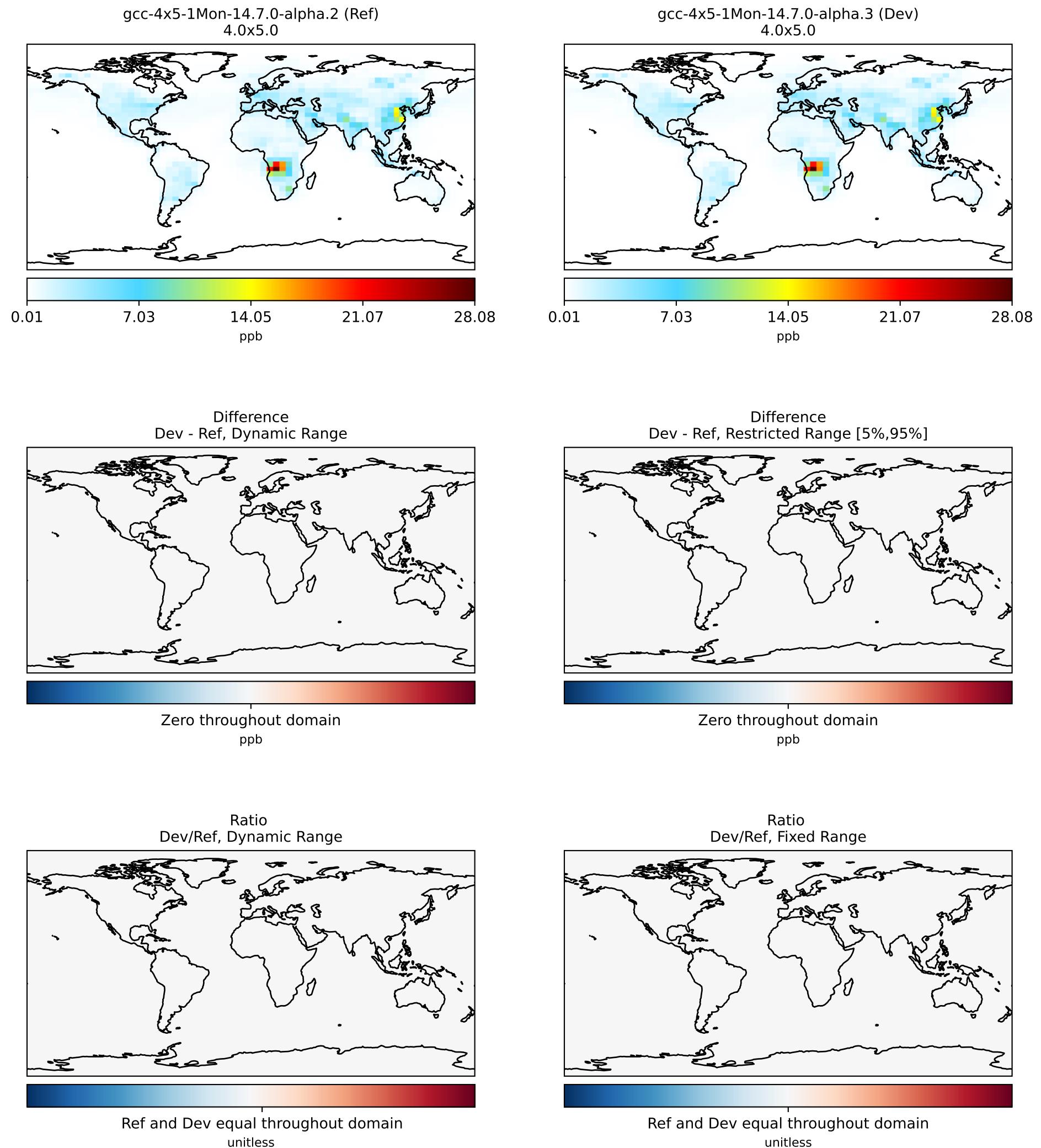
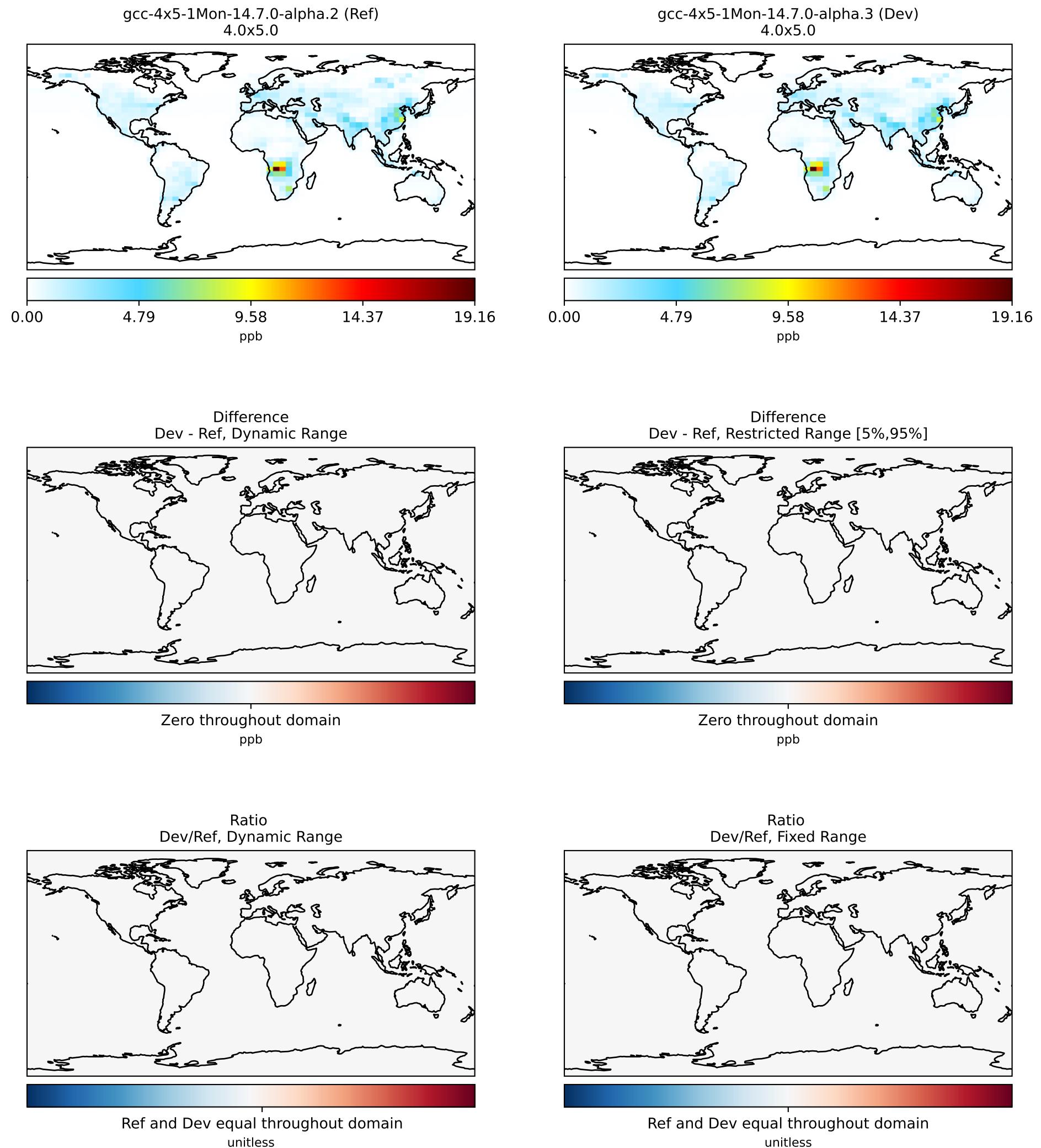


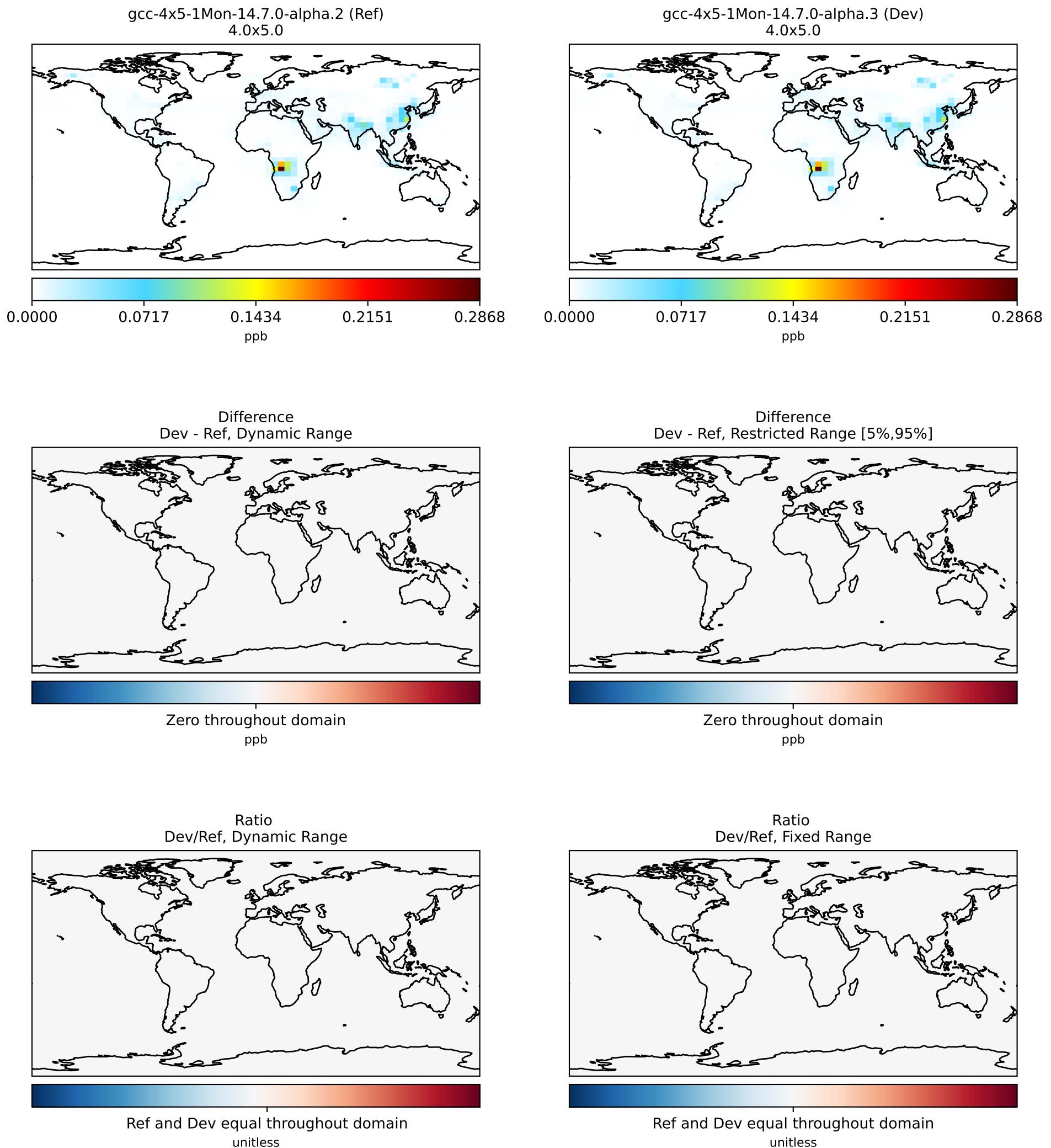
# SpeciesConcVV\_NOy



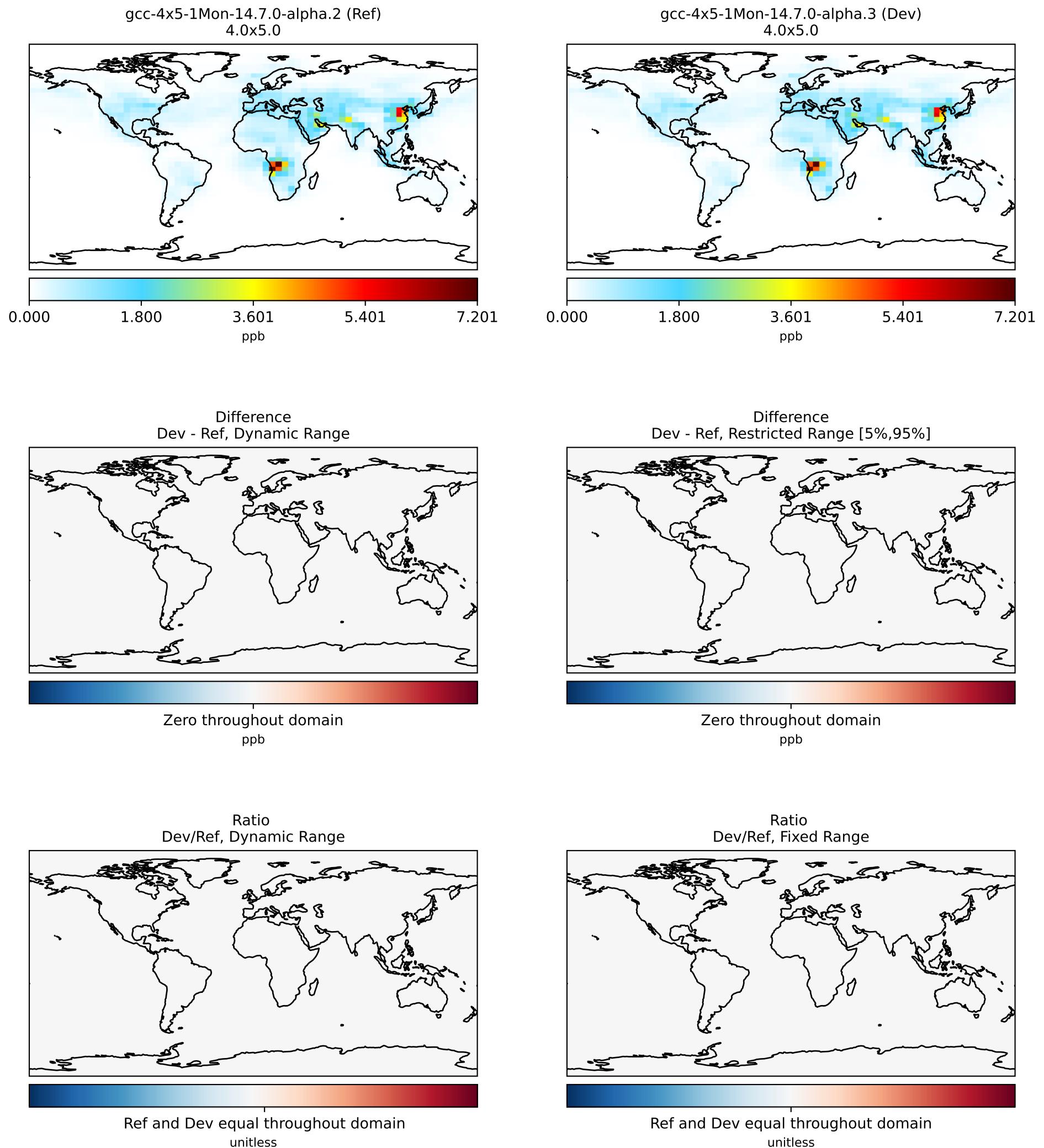
# SpeciesConcVV\_NOx



# SpeciesConcVV\_HNO2

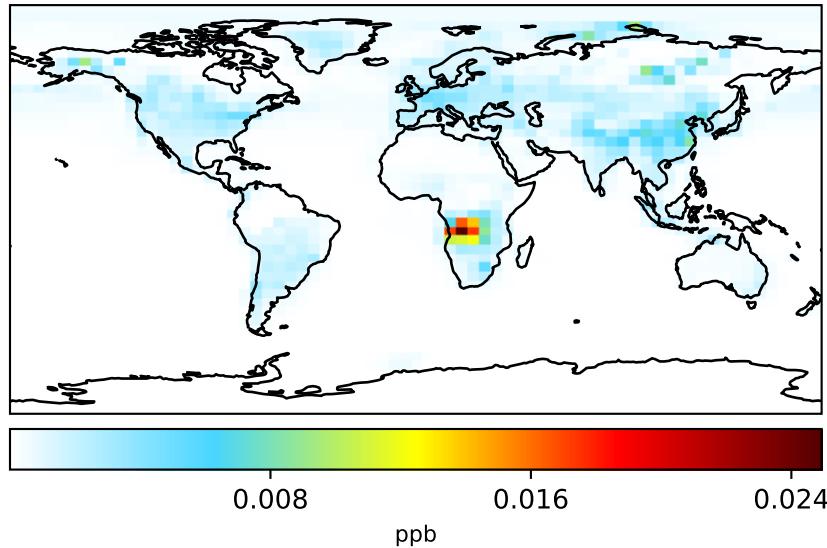


# SpeciesConcVV\_HNO3

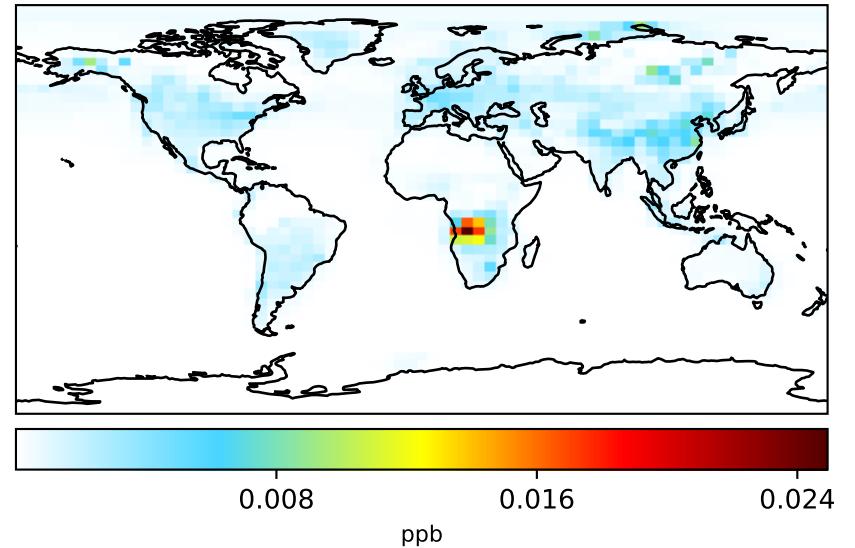


# SpeciesConcVV\_HNO4

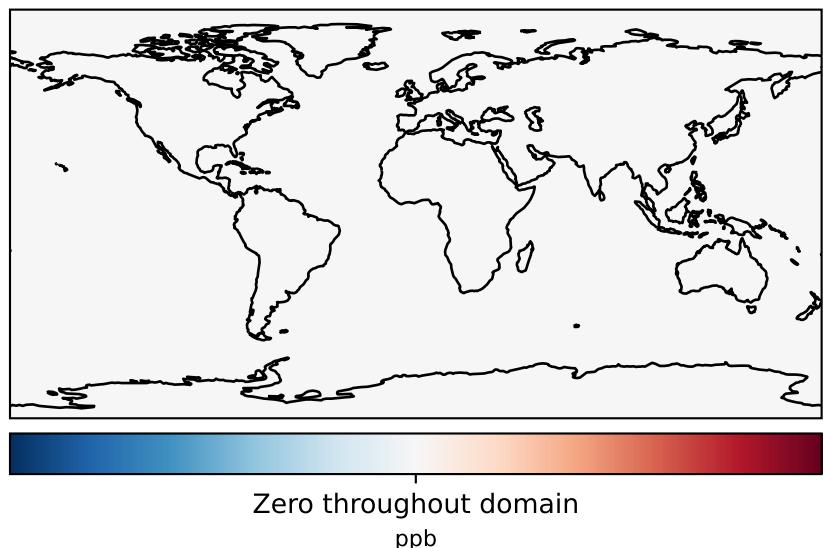
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



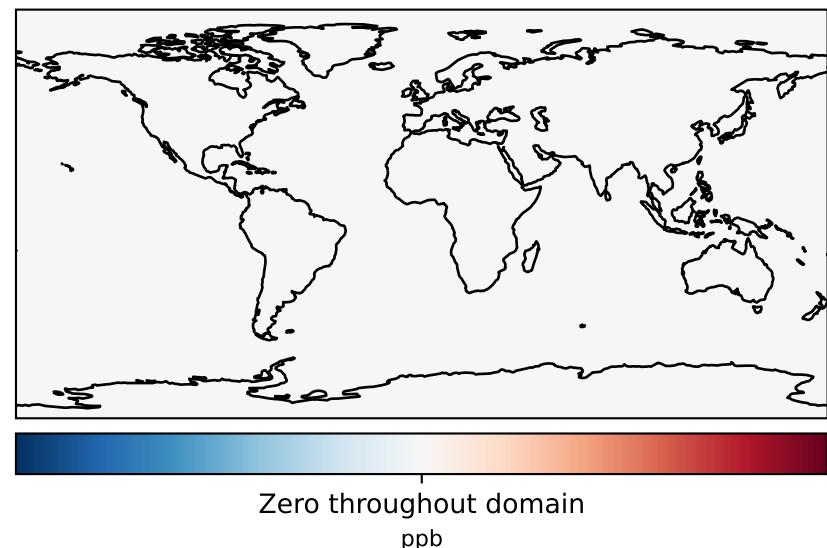
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



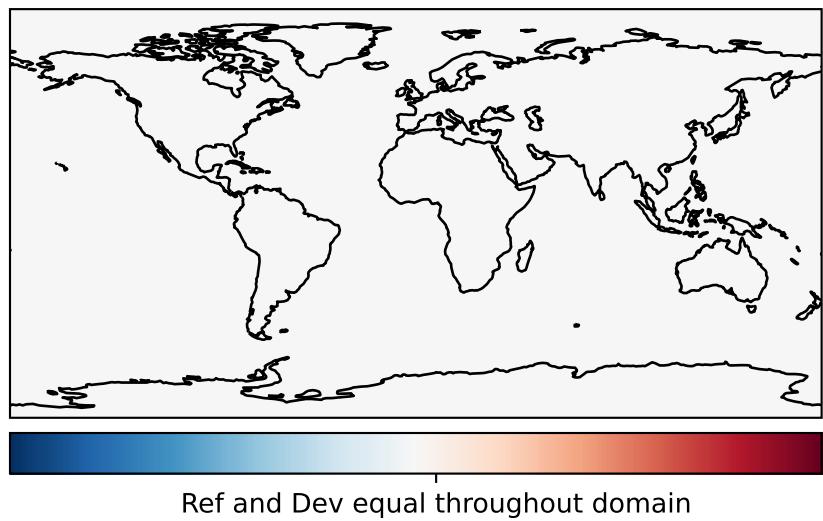
Difference  
Dev - Ref, Restricted Range [5%,95%]



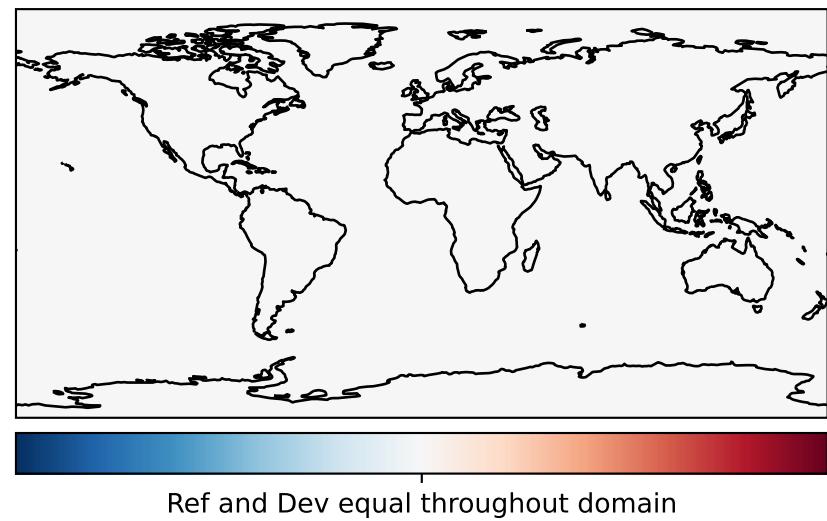
Zero throughout domain  
ppb

Zero throughout domain  
ppb

Ratio  
Dev/Ref, Dynamic Range



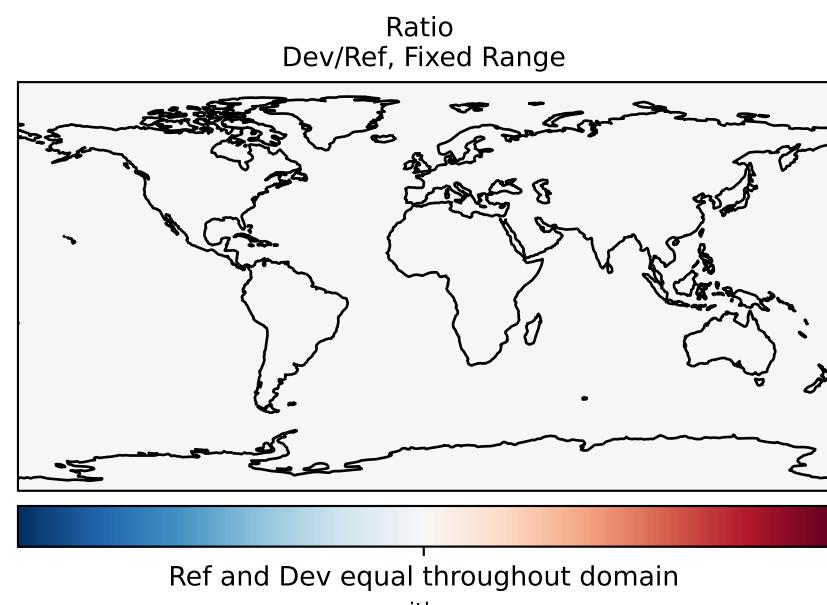
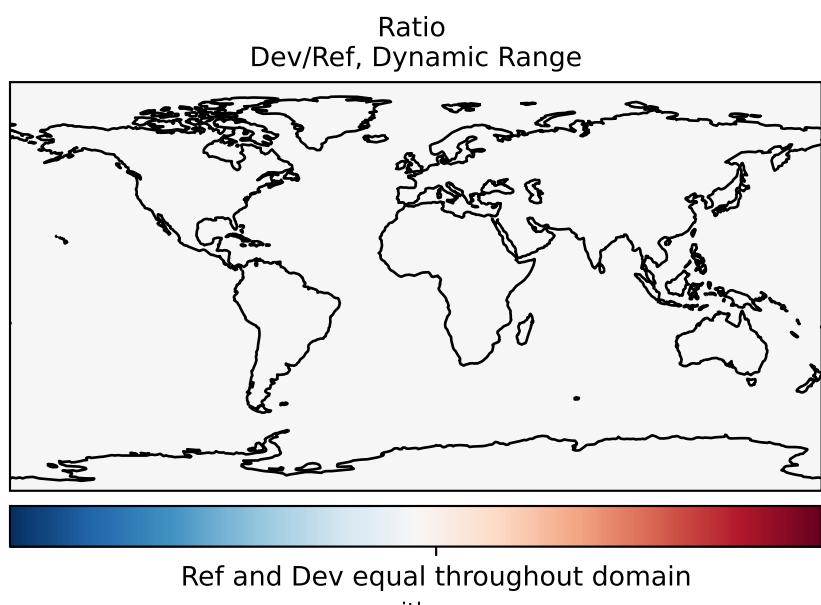
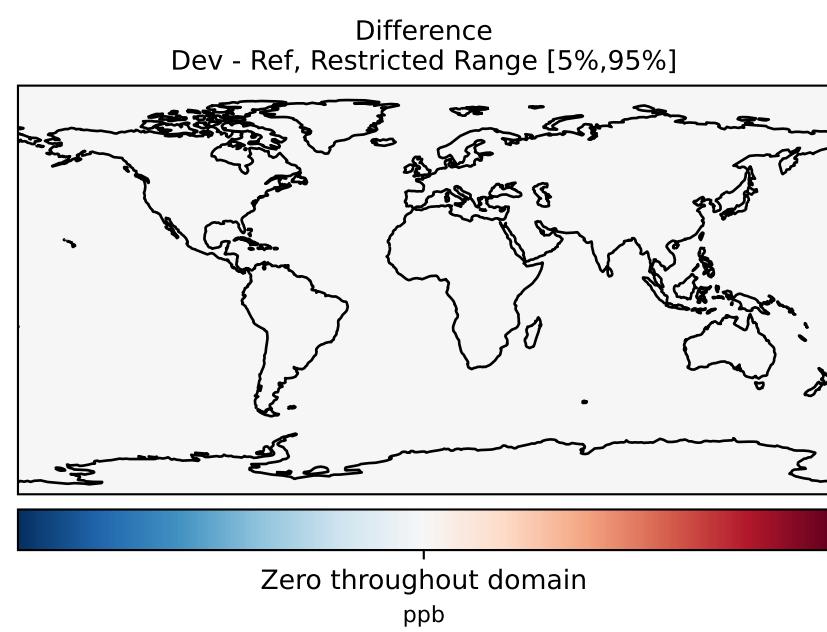
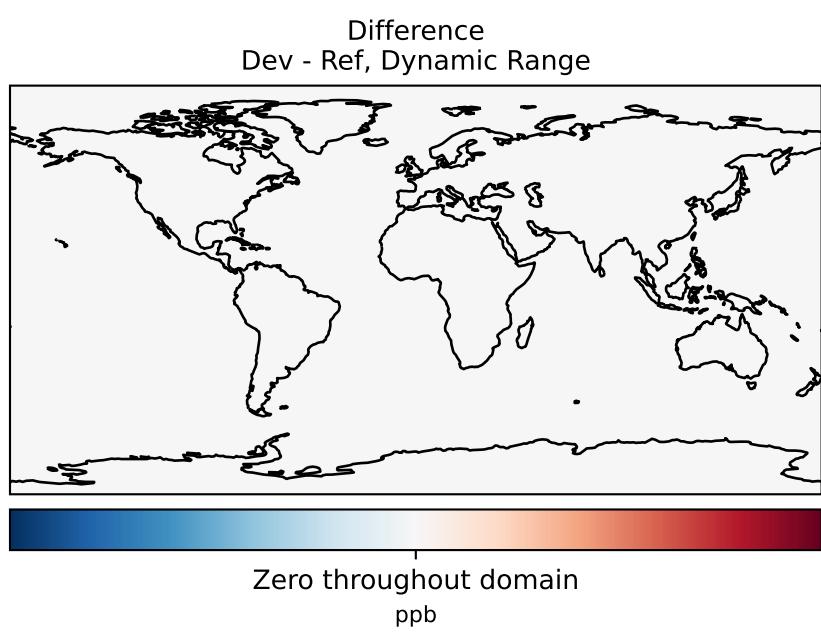
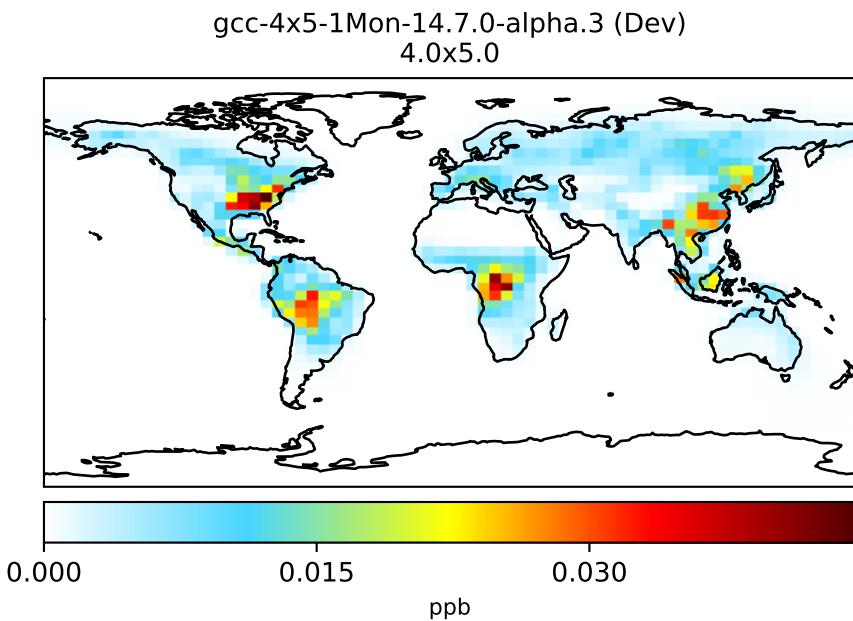
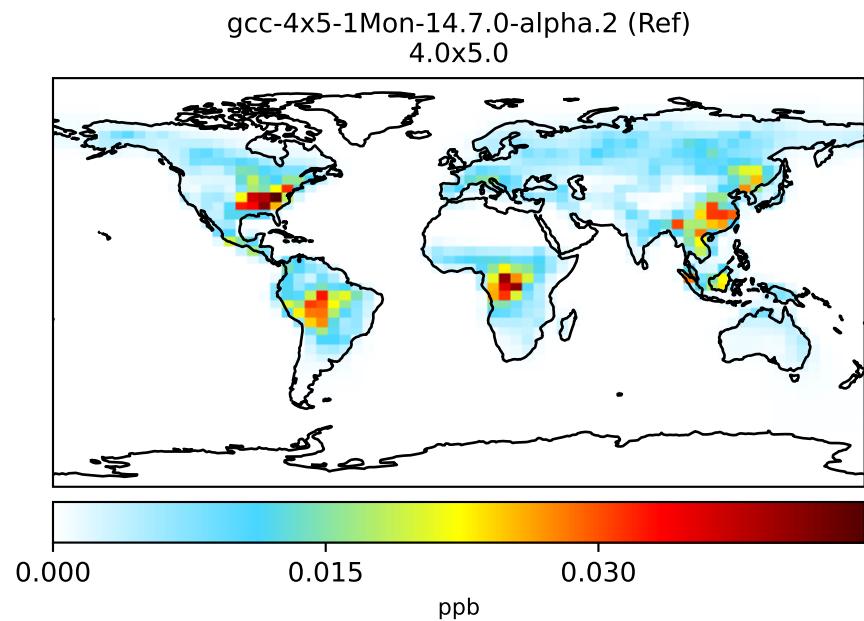
Ratio  
Dev/Ref, Fixed Range



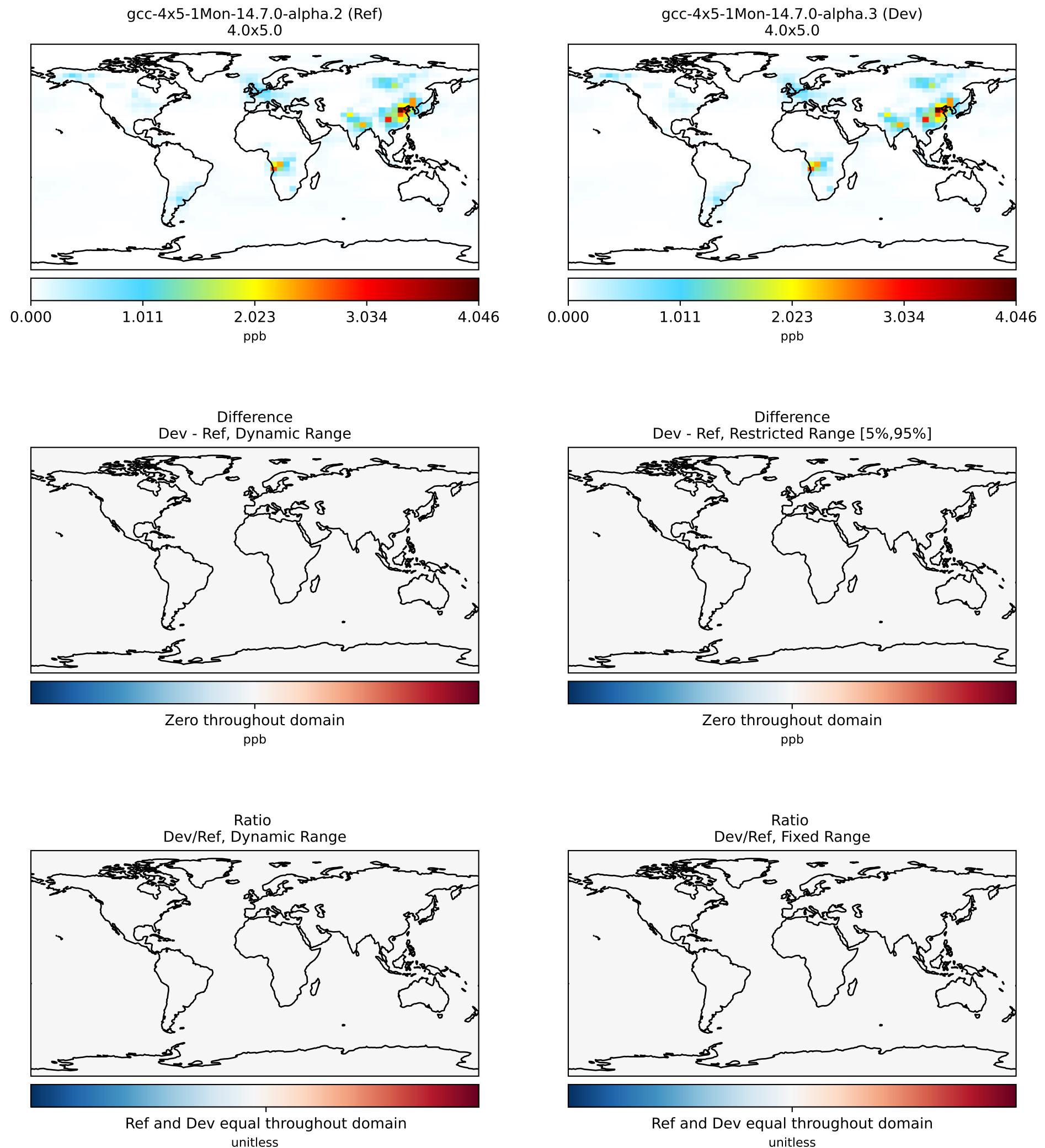
Ref and Dev equal throughout domain  
unitless

Ref and Dev equal throughout domain  
unitless

# SpeciesConcVV\_MPAN

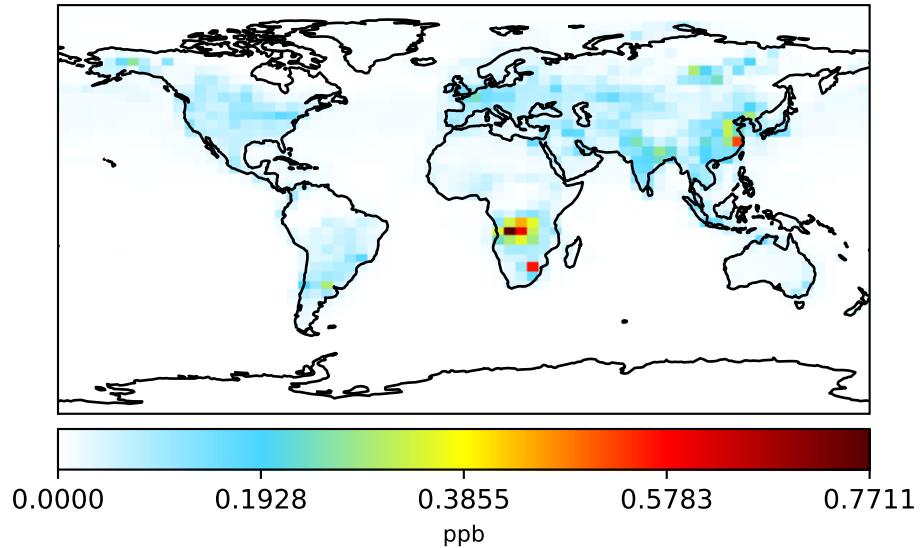


# SpeciesConcVV\_NIT

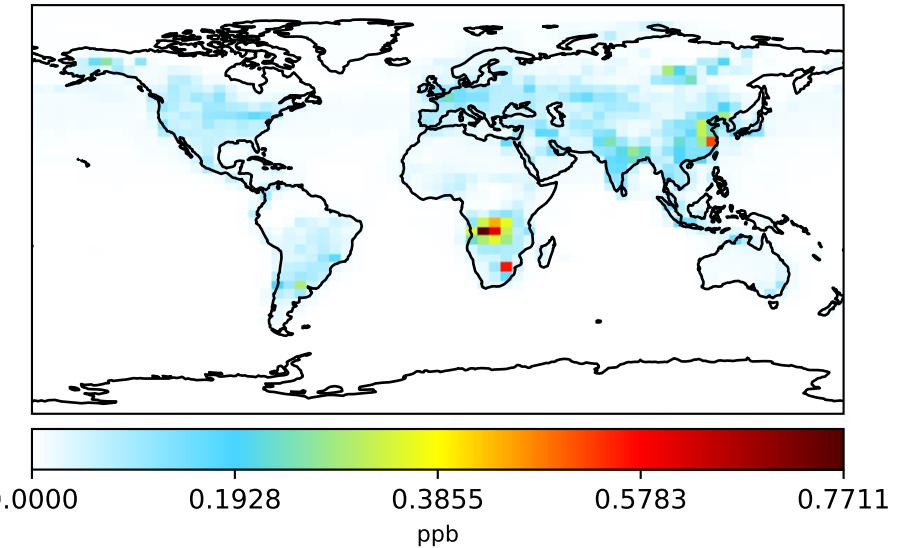


# SpeciesConcVV\_NO

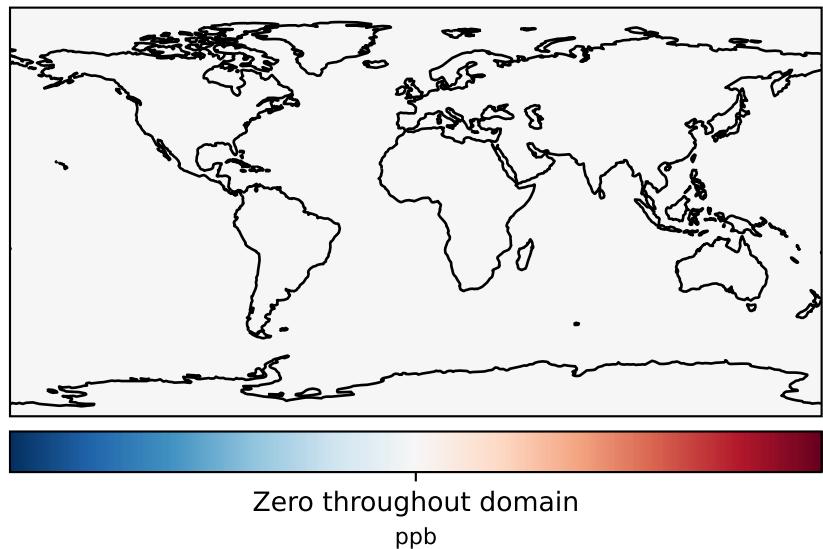
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



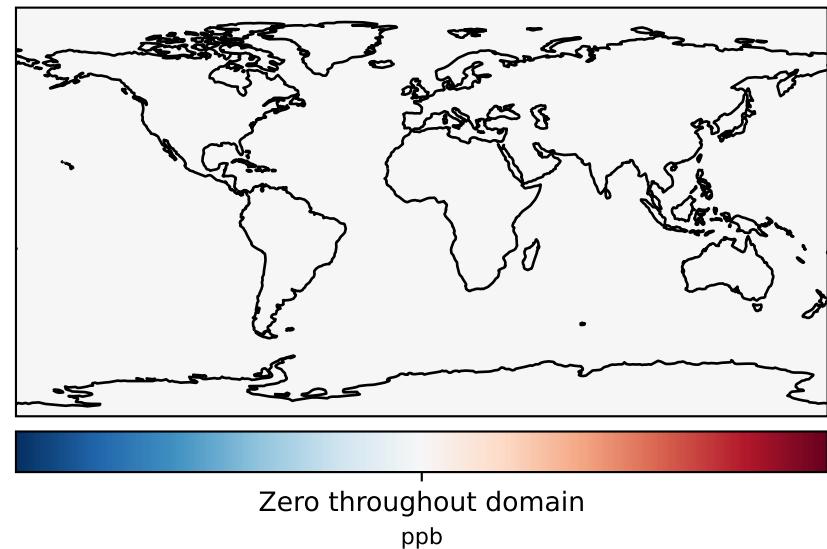
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



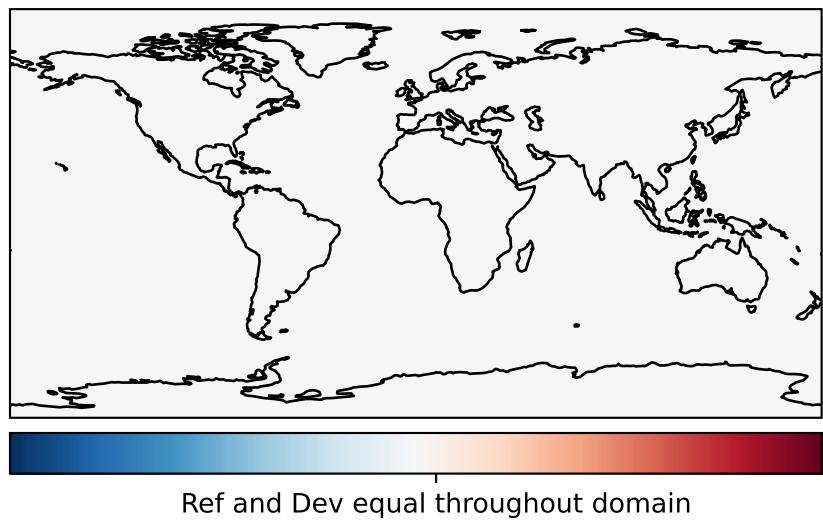
Difference  
Dev - Ref, Dynamic Range



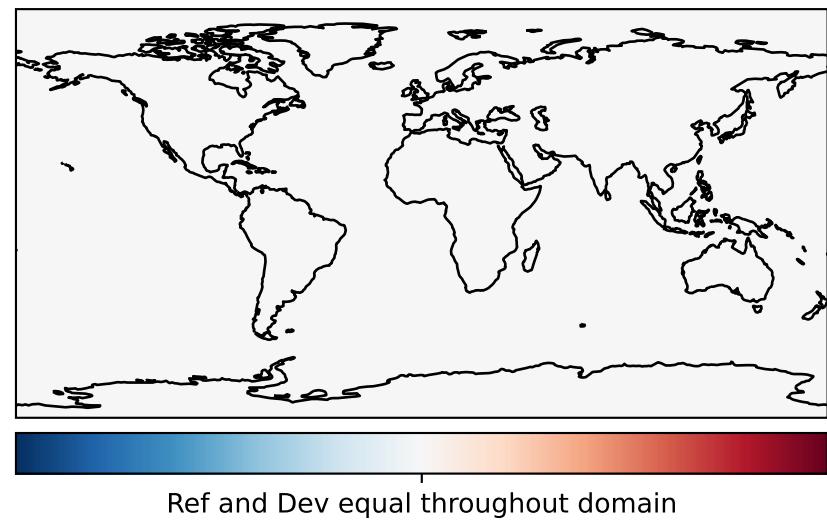
Difference  
Dev - Ref, Restricted Range [5%,95%]



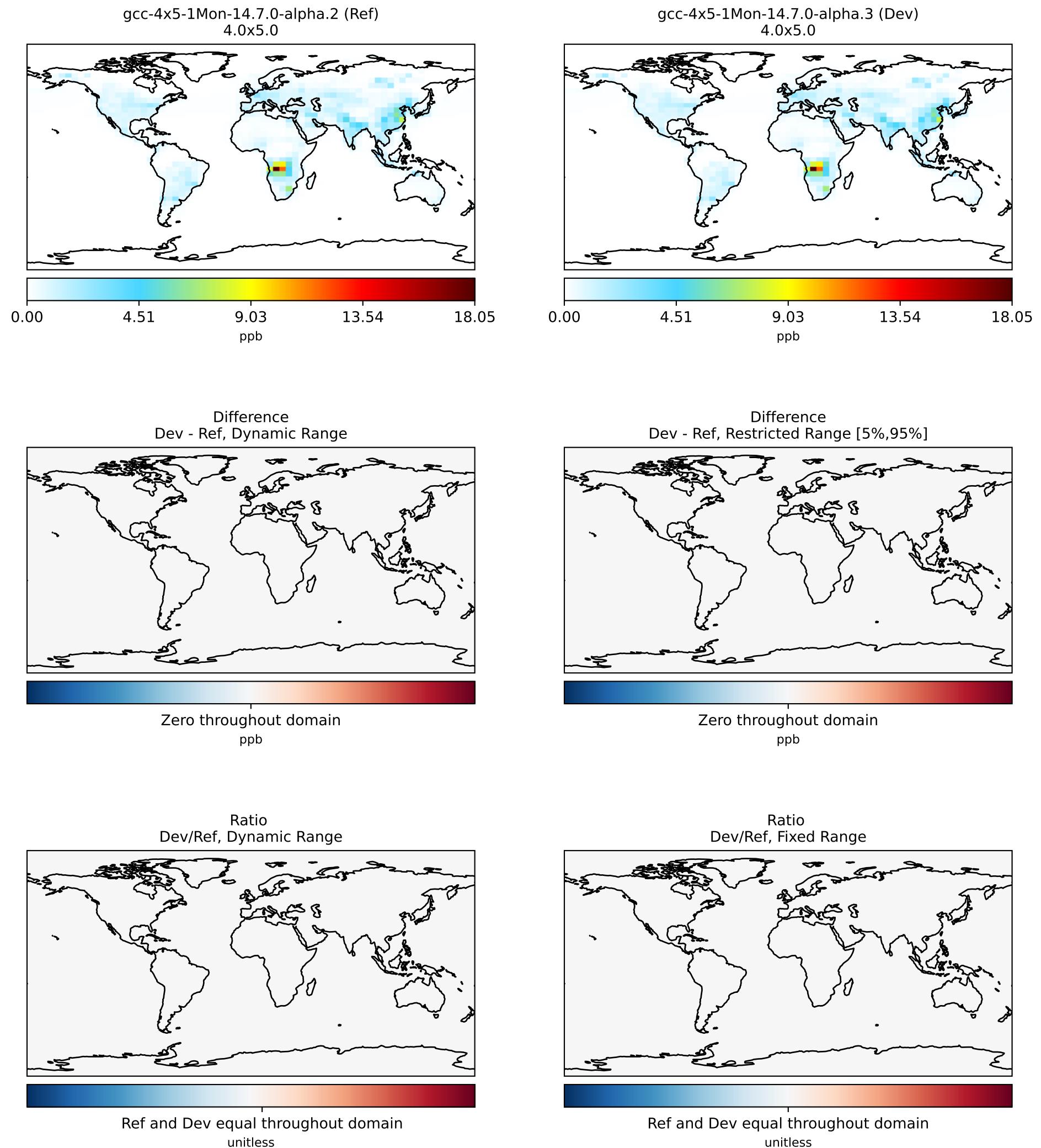
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

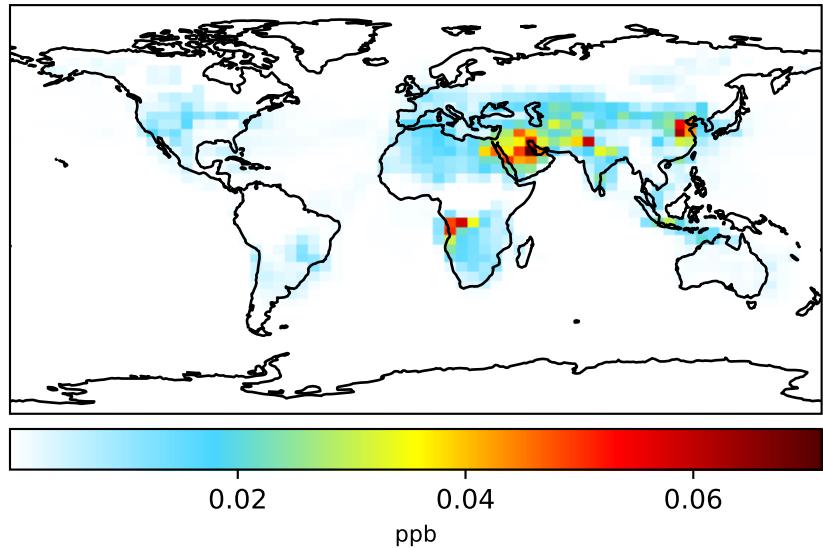


# SpeciesConcVV\_NO2

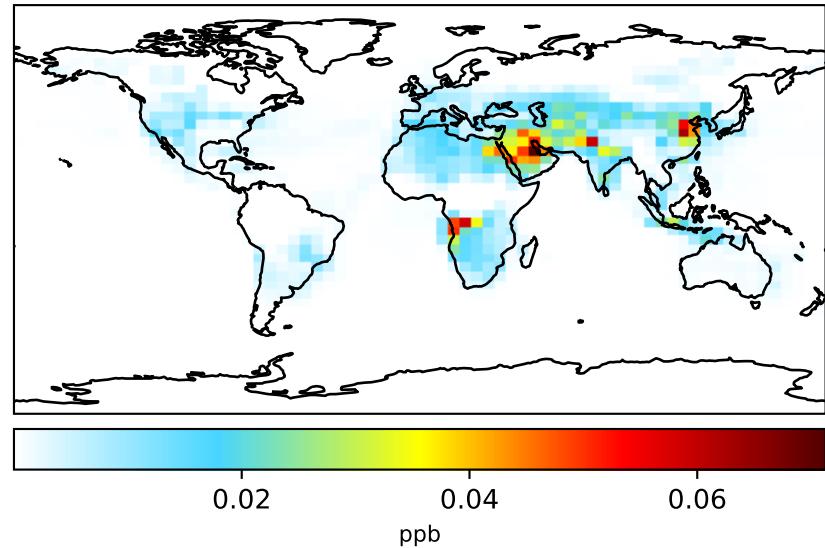


# SpeciesConcVV\_NO3

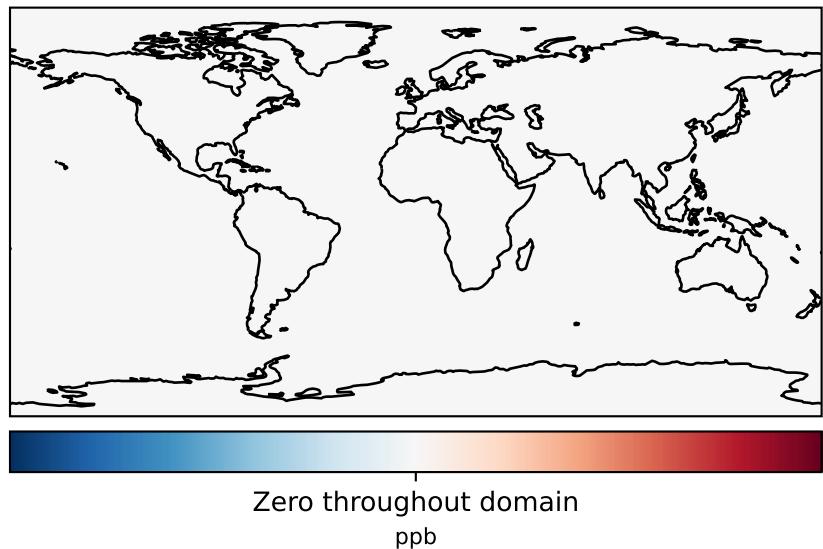
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



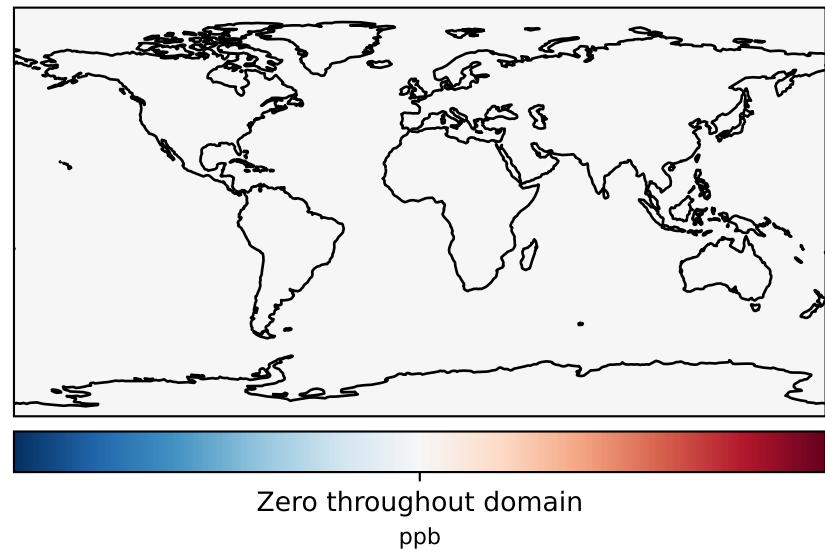
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



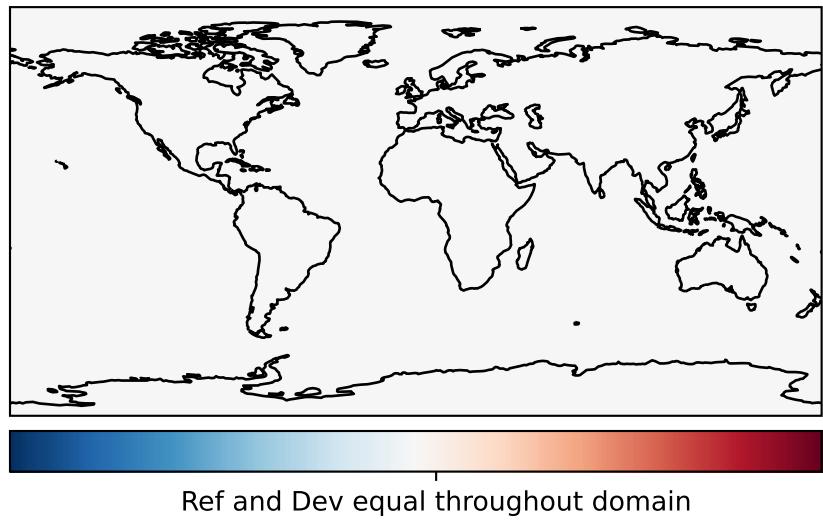
Difference  
Dev - Ref, Dynamic Range



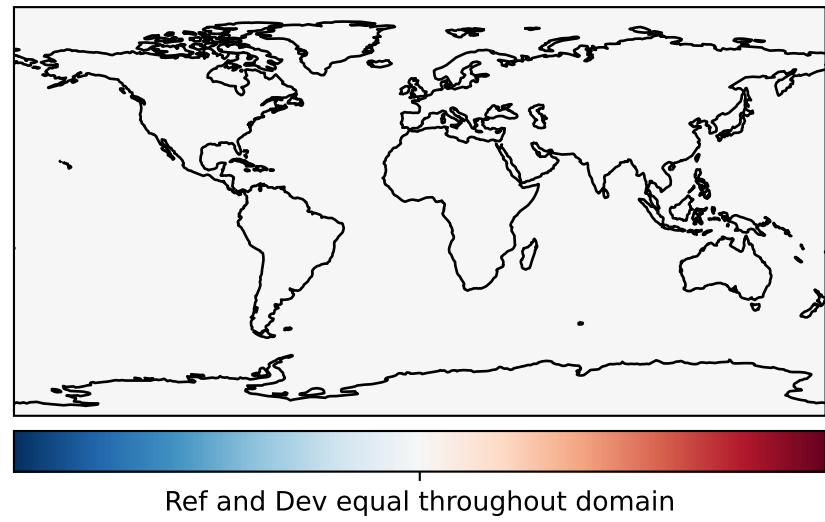
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

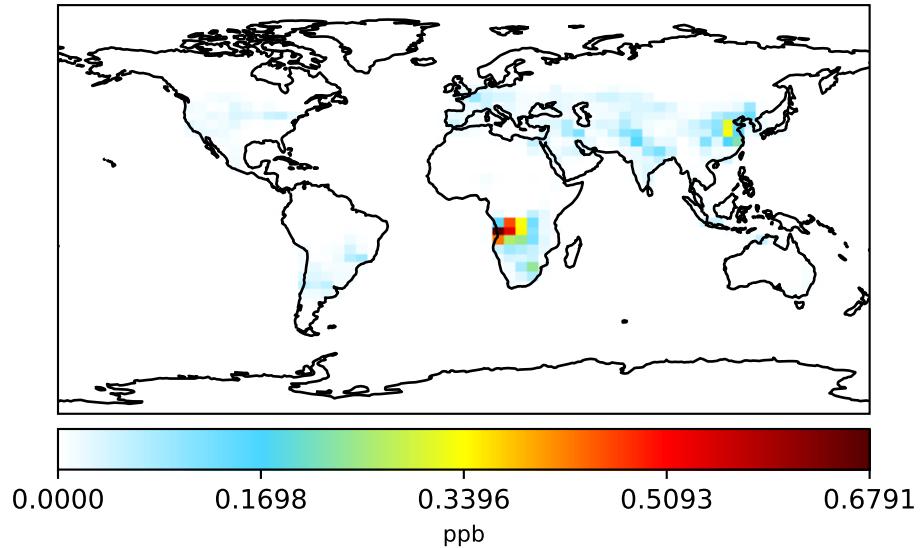


Ratio  
Dev/Ref, Fixed Range

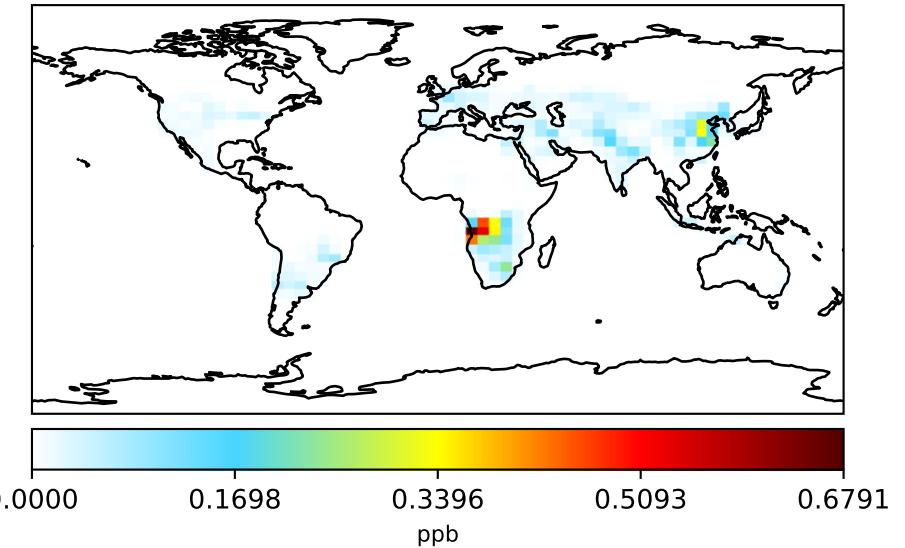


# SpeciesConcVV\_N205

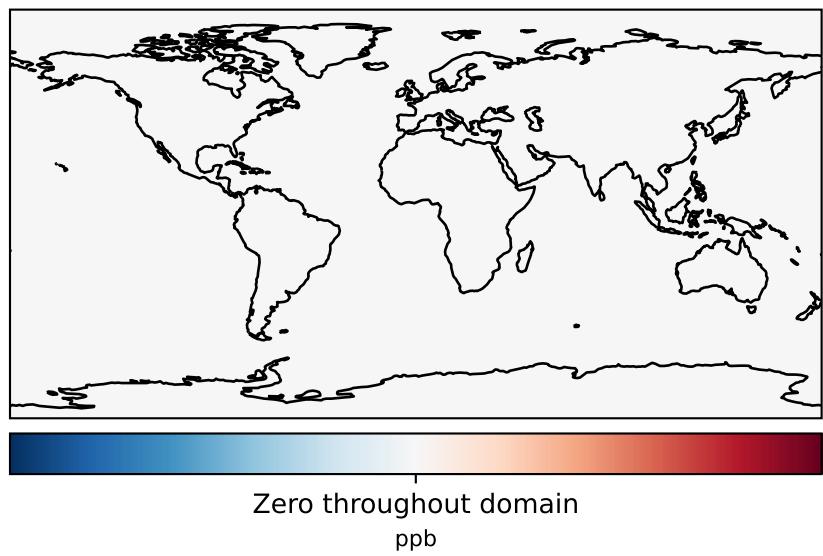
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



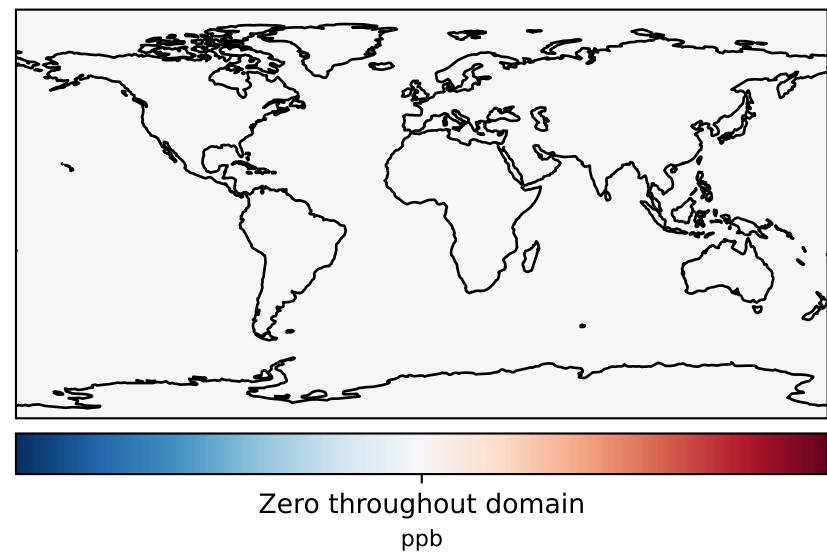
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



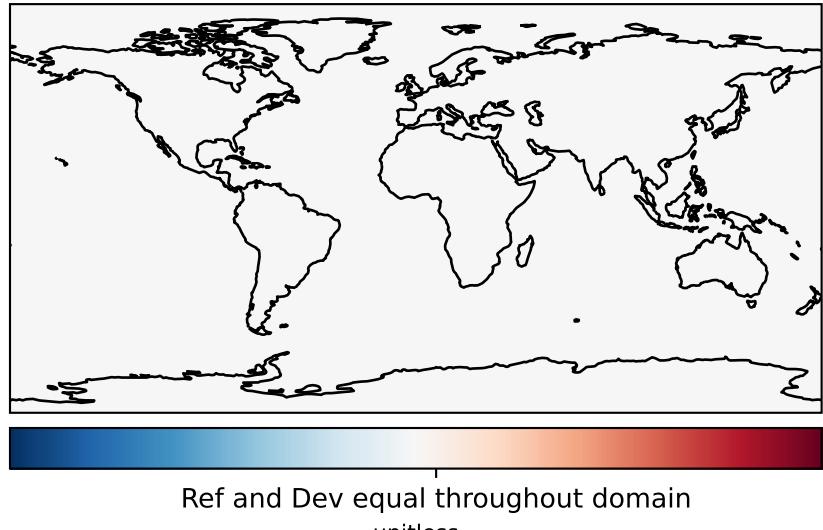
Difference  
Dev - Ref, Dynamic Range



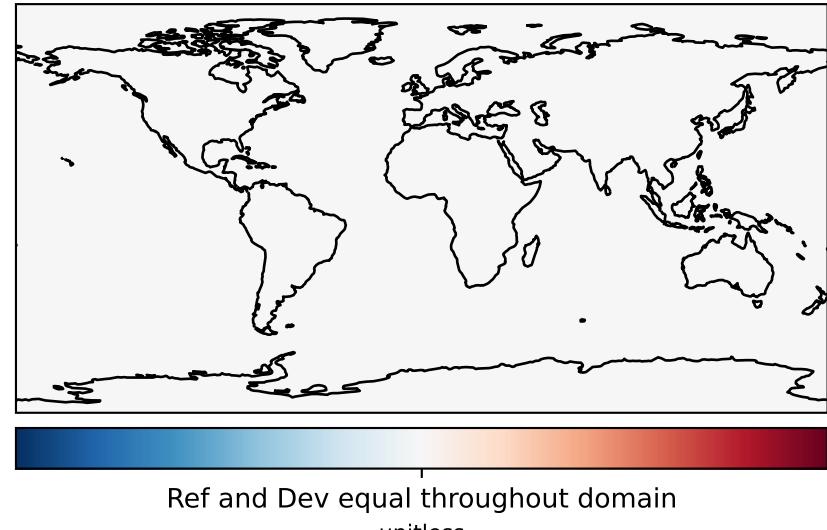
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

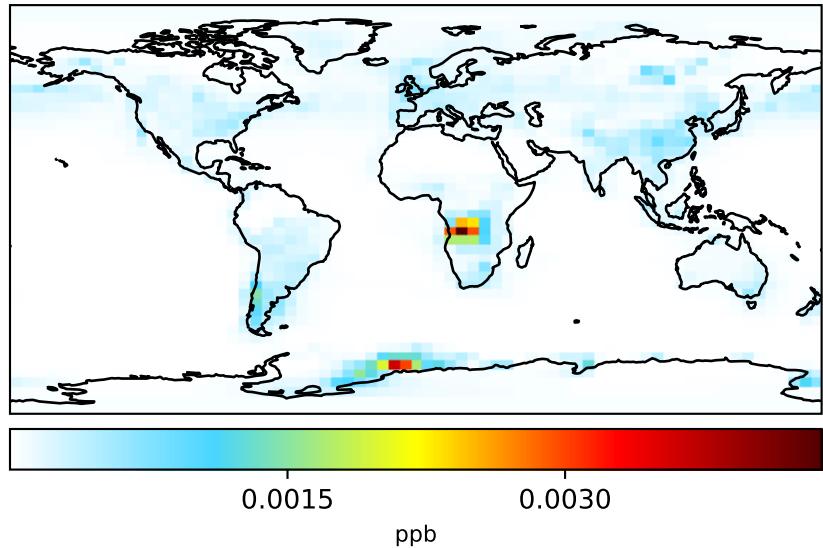


Ratio  
Dev/Ref, Fixed Range

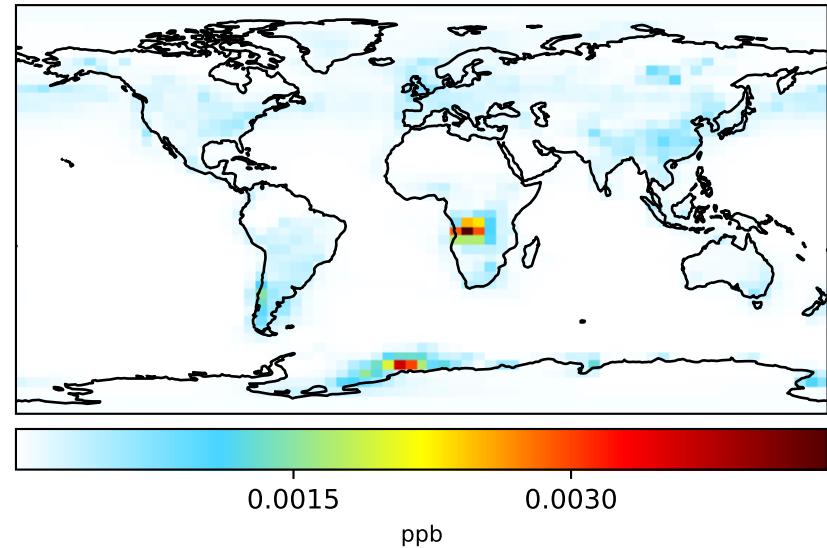


# SpeciesConcVV\_MPN

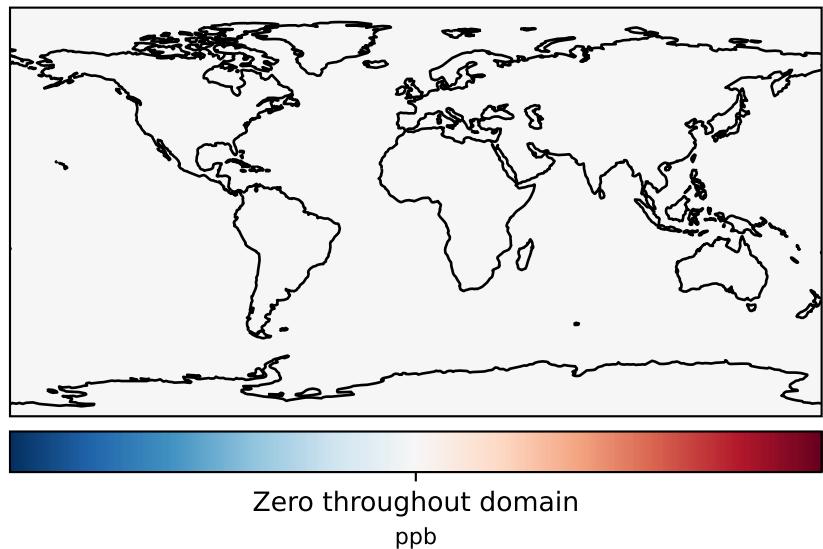
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



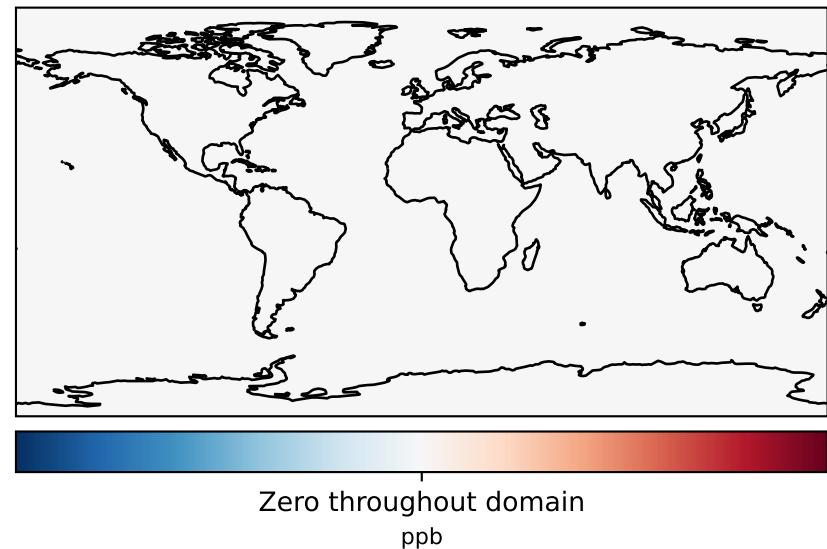
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



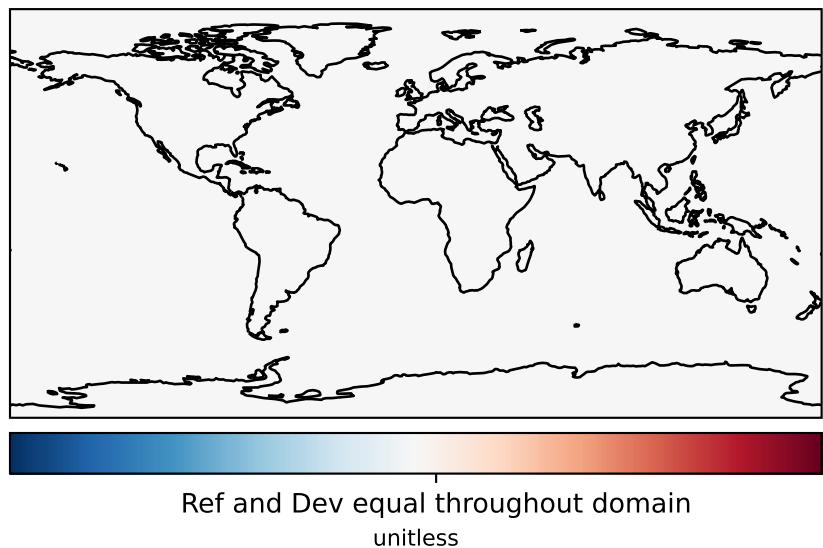
Difference  
Dev - Ref, Dynamic Range



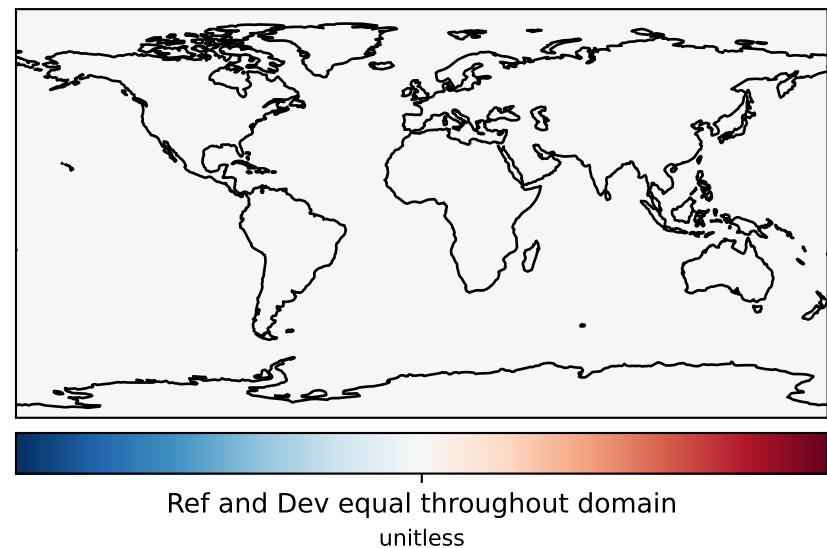
Difference  
Dev - Ref, Restricted Range [5%,95%]



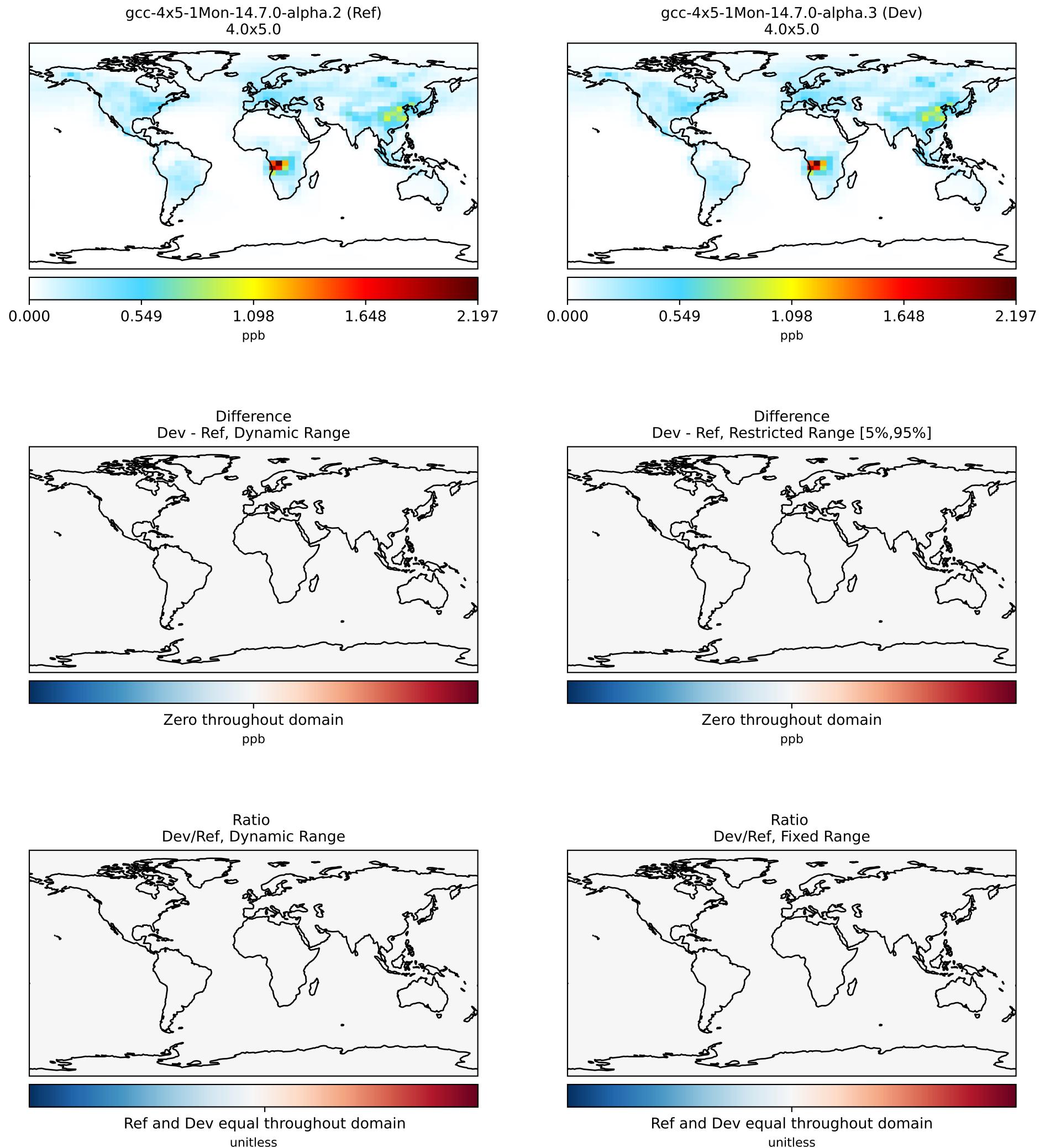
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

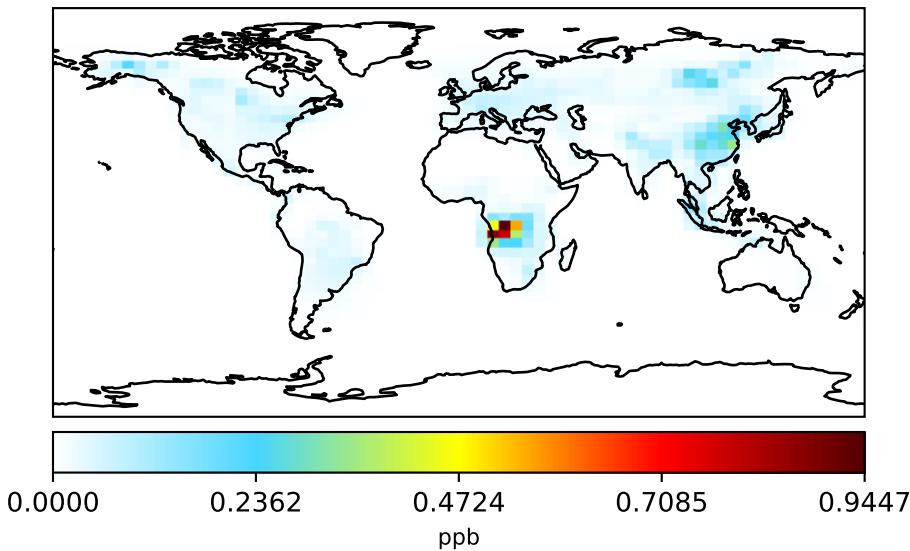


# SpeciesConcVV\_PAN

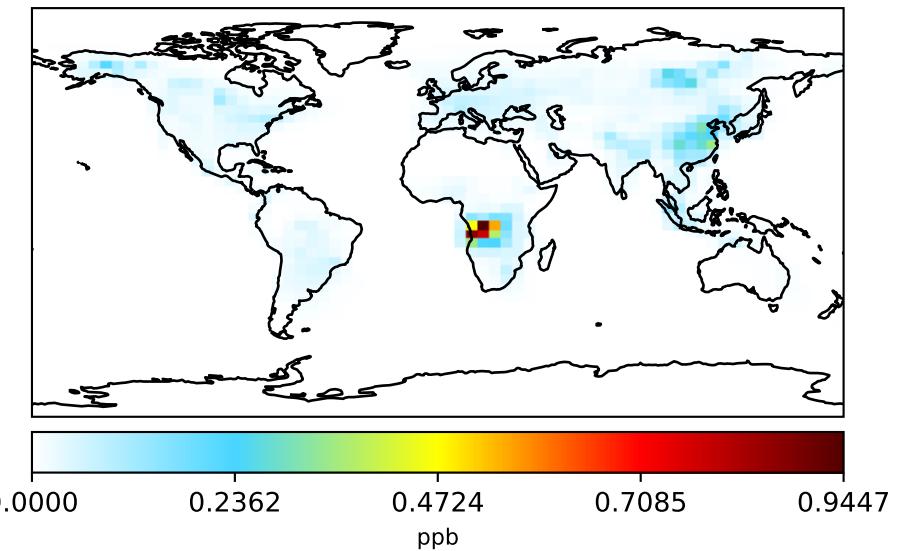


# SpeciesConcVV\_PPN

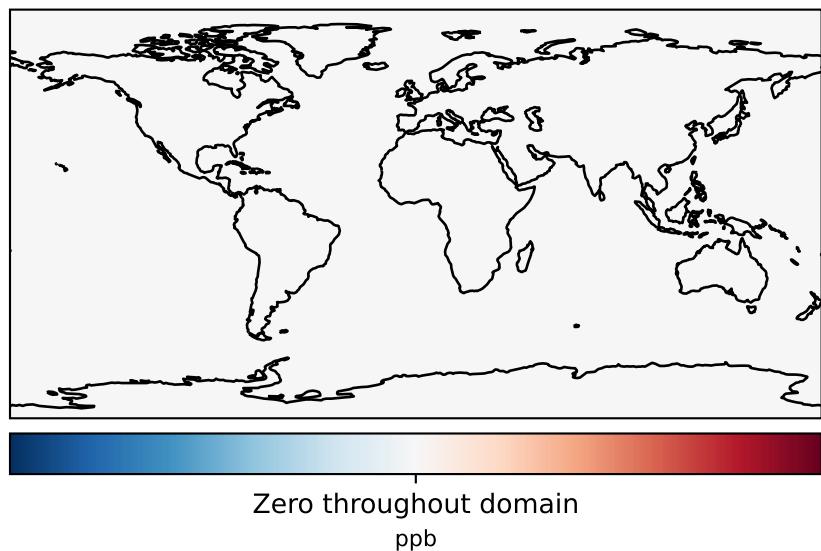
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



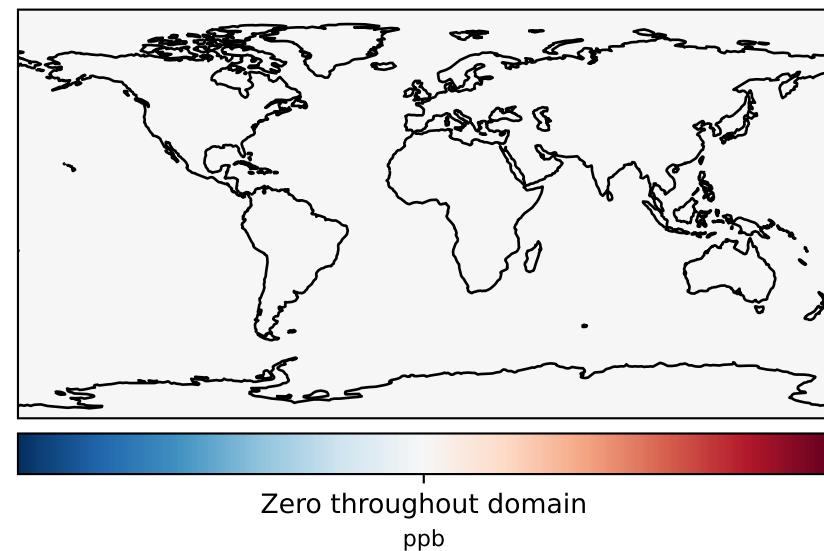
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



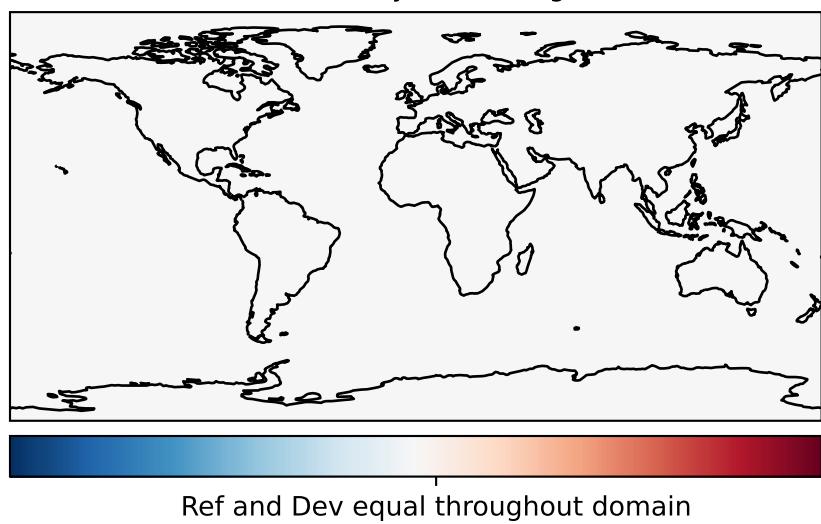
Difference  
Dev - Ref, Dynamic Range



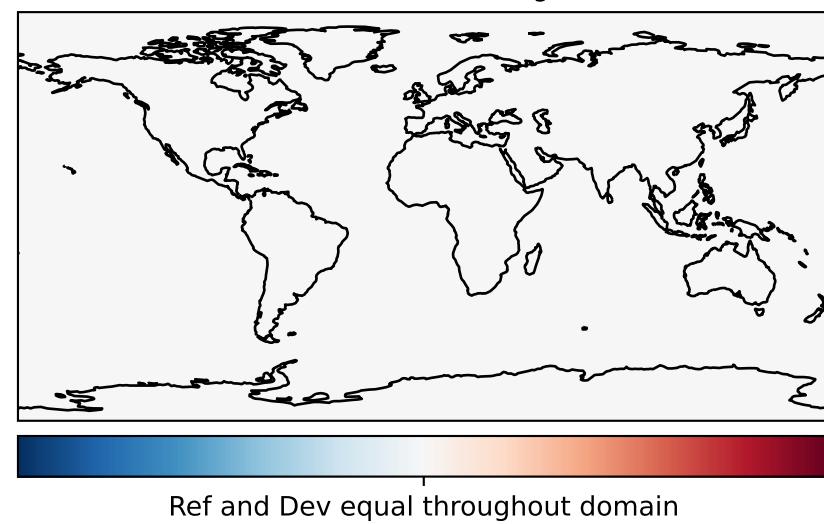
Difference  
Dev - Ref, Restricted Range [5%,95%]



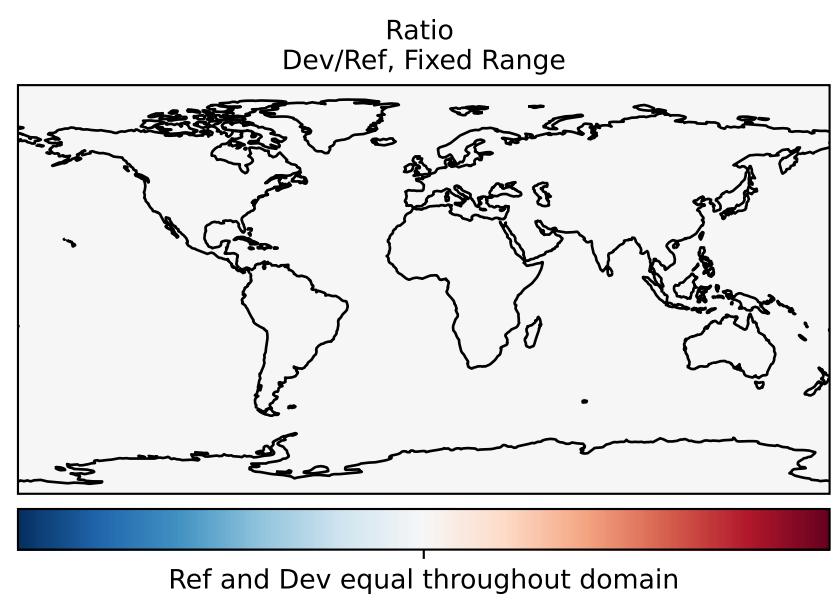
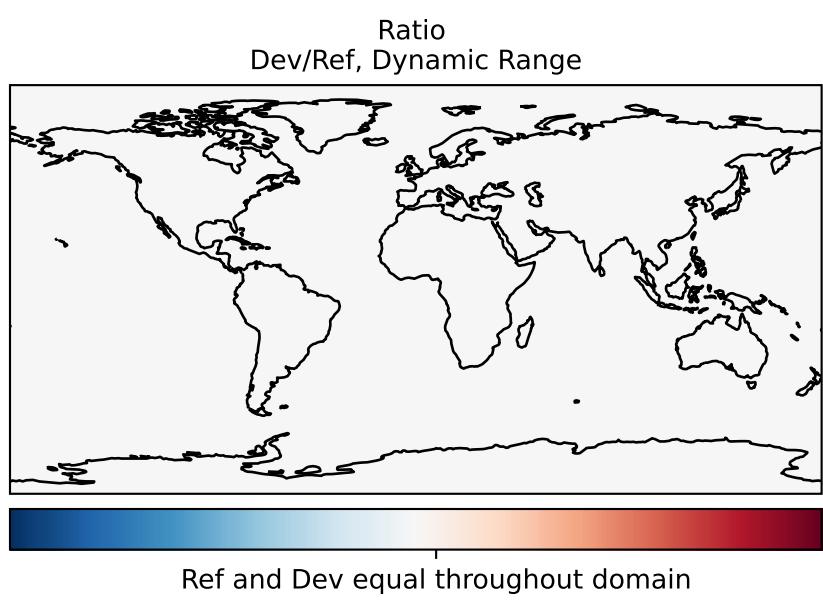
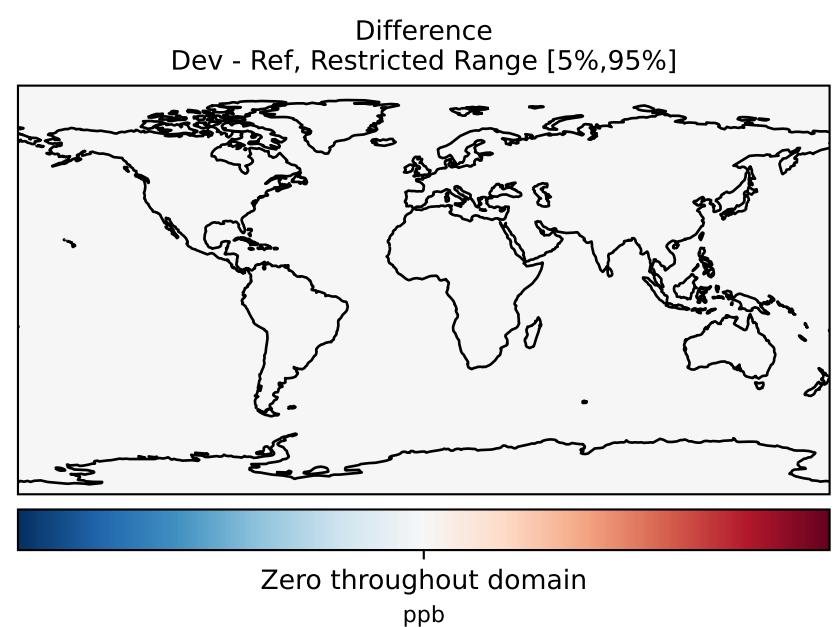
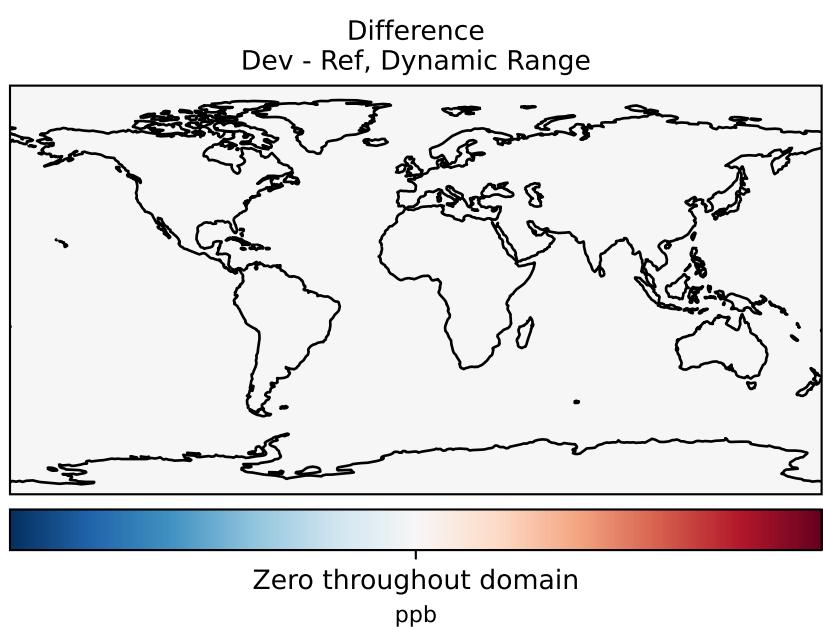
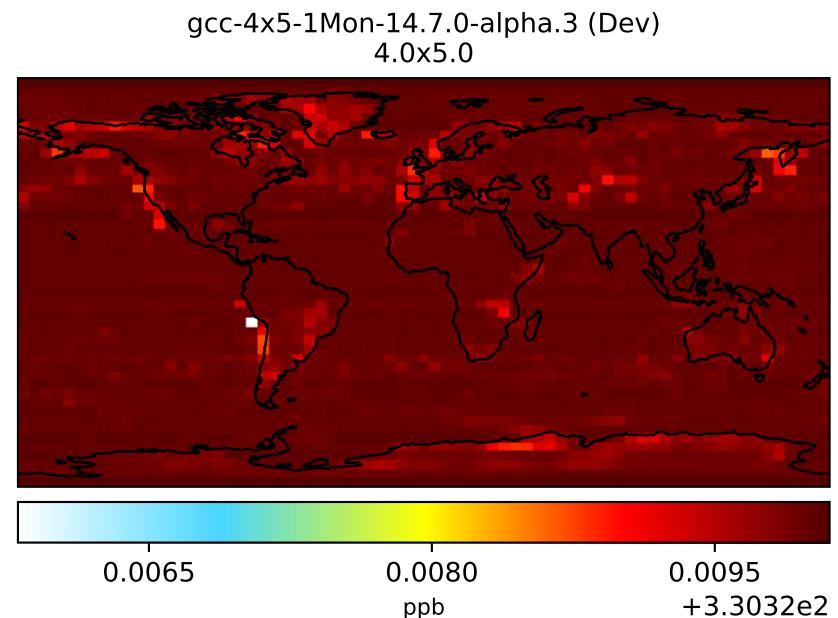
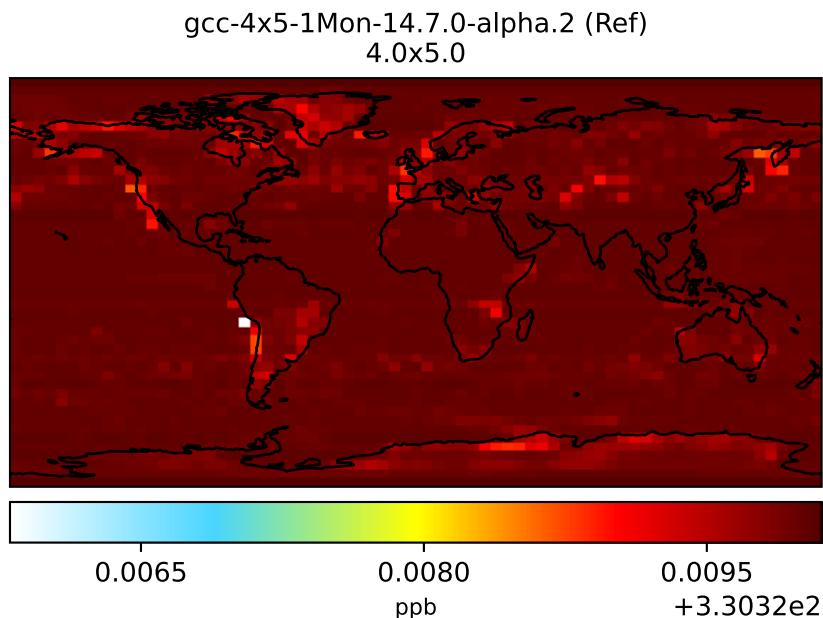
Ratio  
Dev/Ref, Dynamic Range



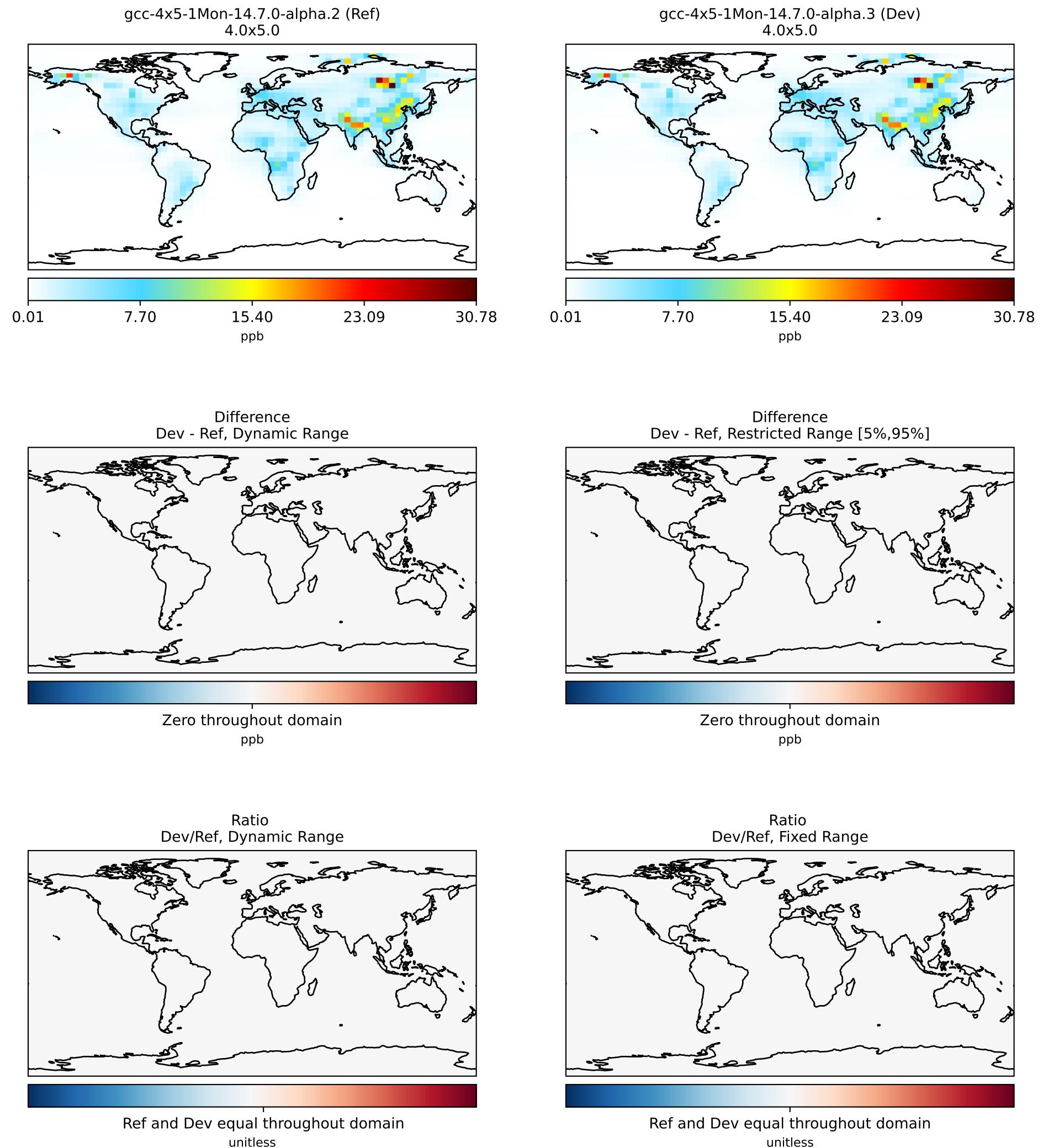
Ratio  
Dev/Ref, Fixed Range



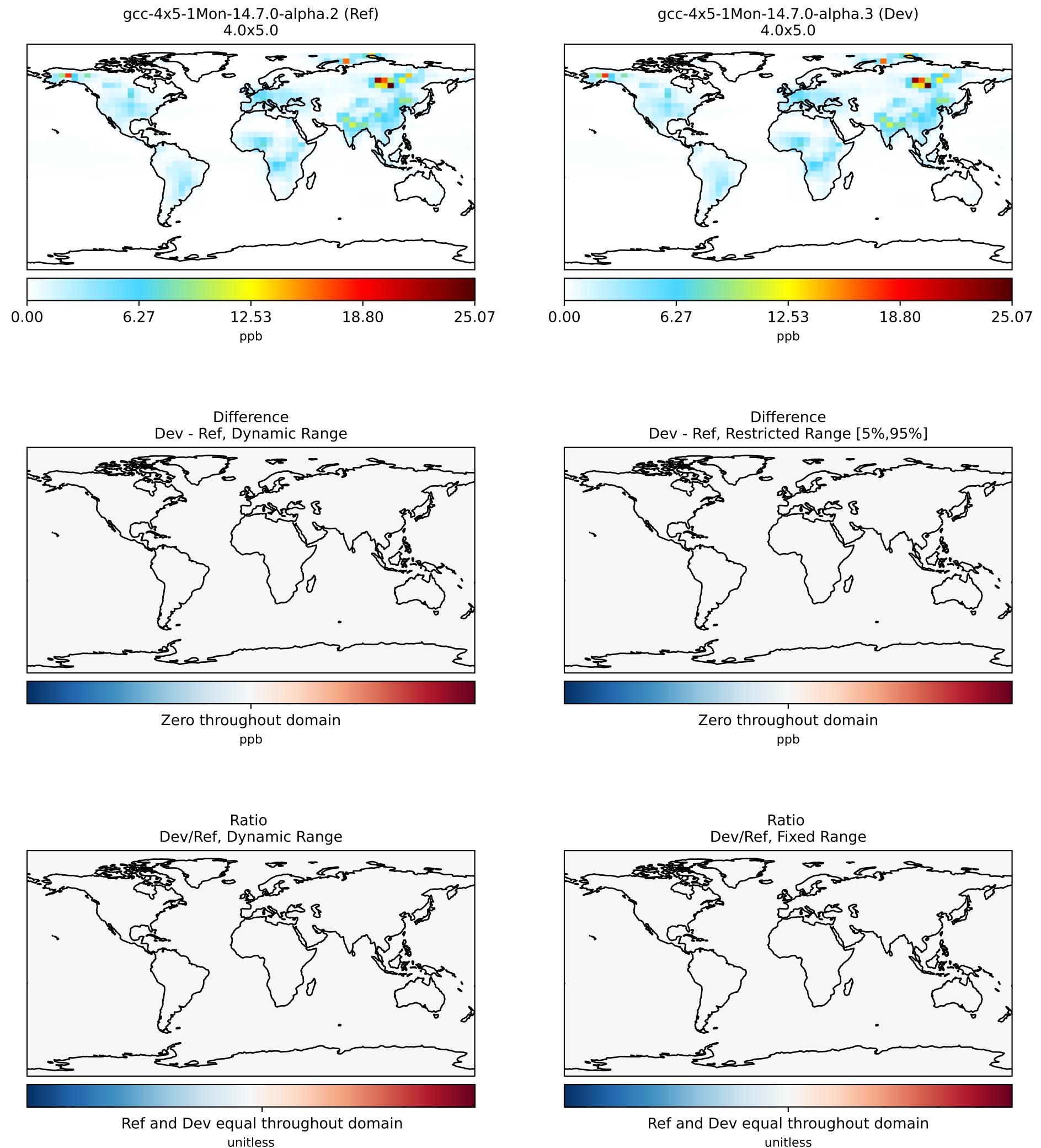
# SpeciesConcVV\_N2O



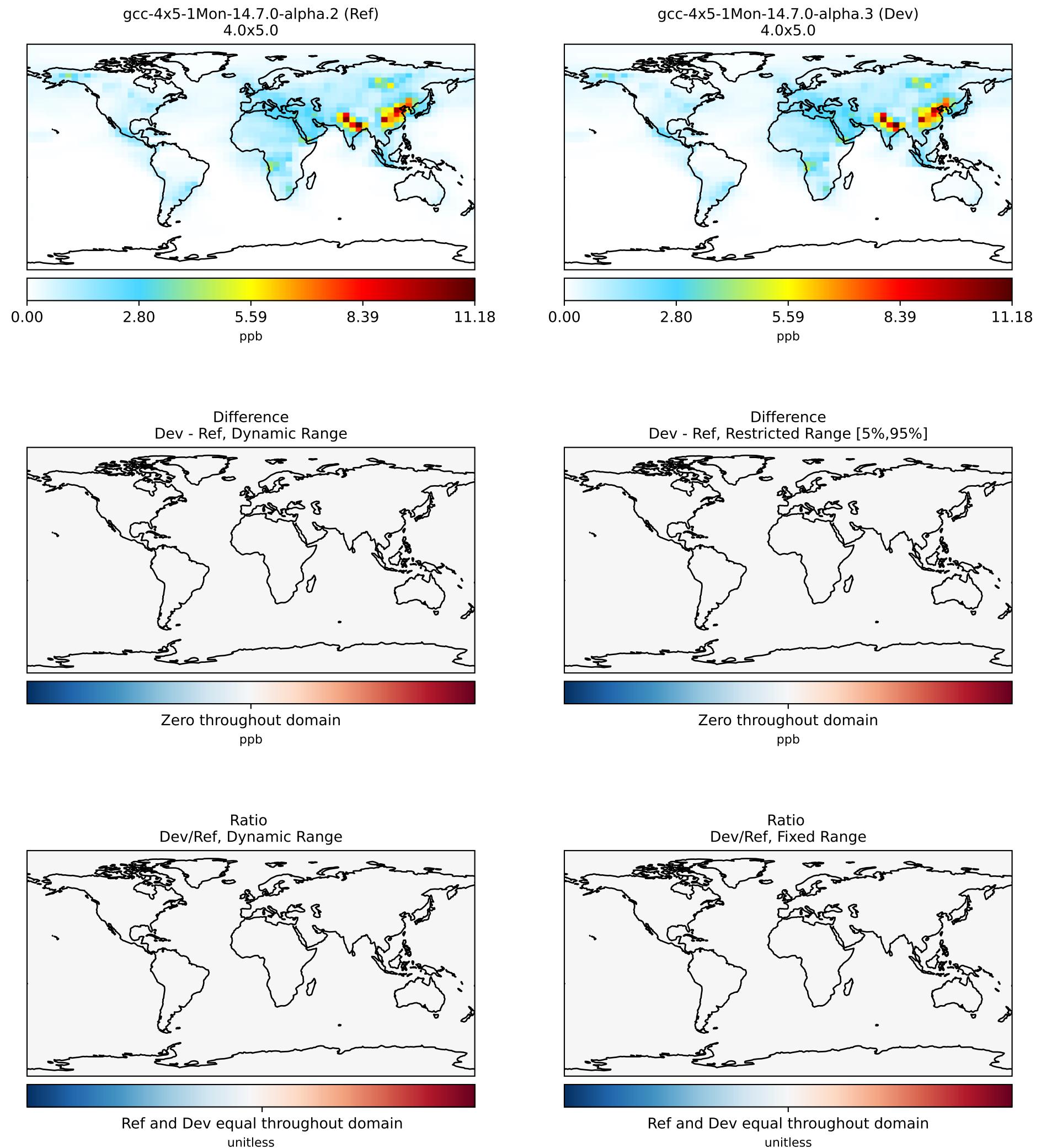
# SpeciesConcVV\_NHx



# SpeciesConcVV\_NH3

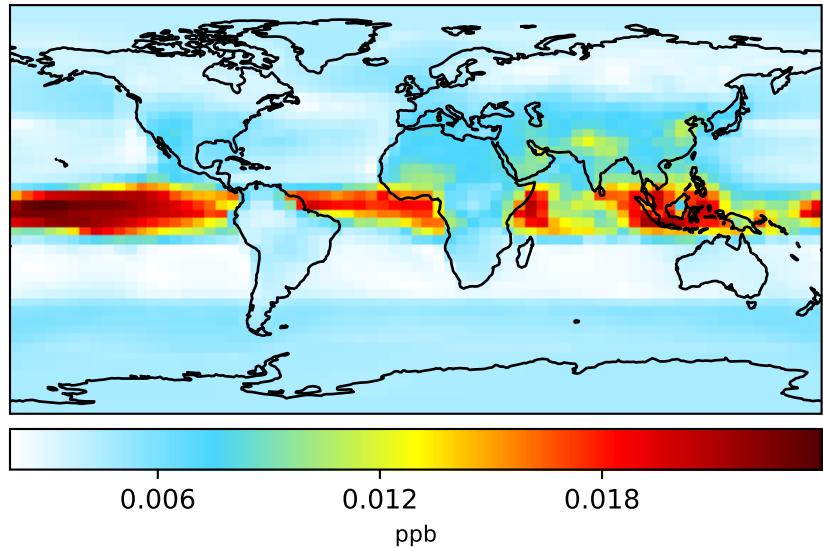


# SpeciesConcVV\_NH4

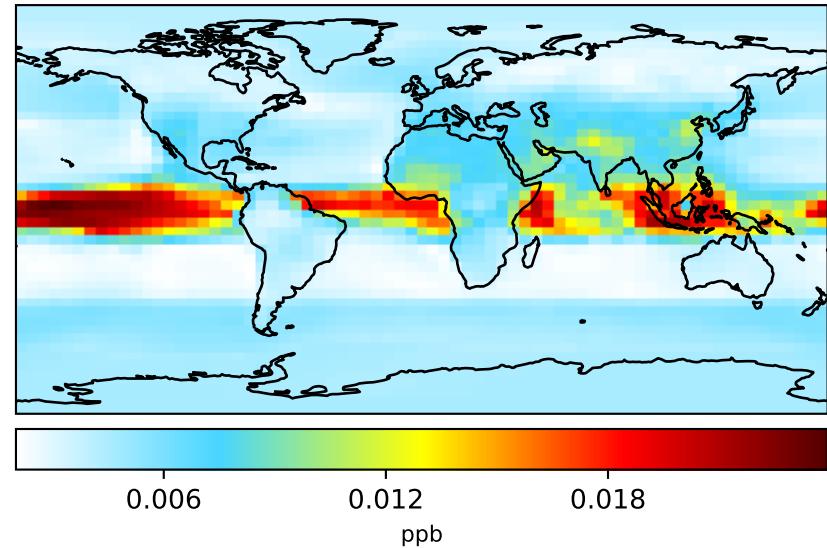


# SpeciesConcVV\_MENO3

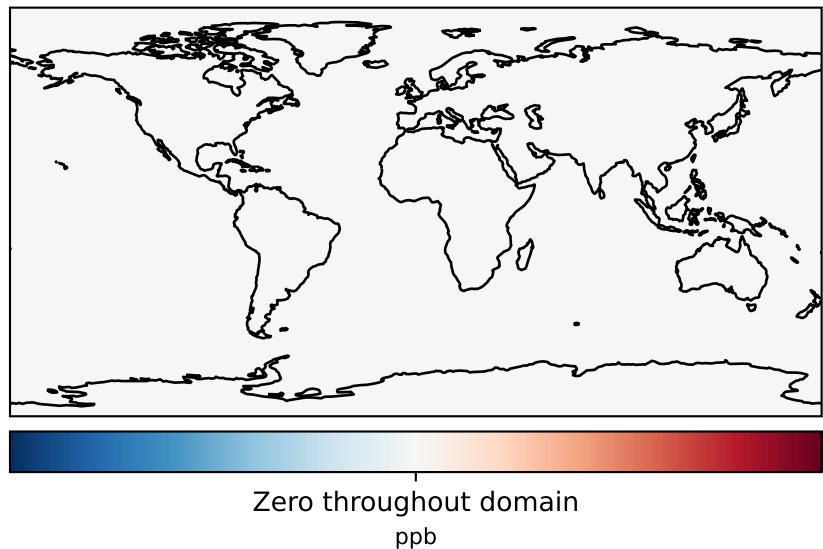
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



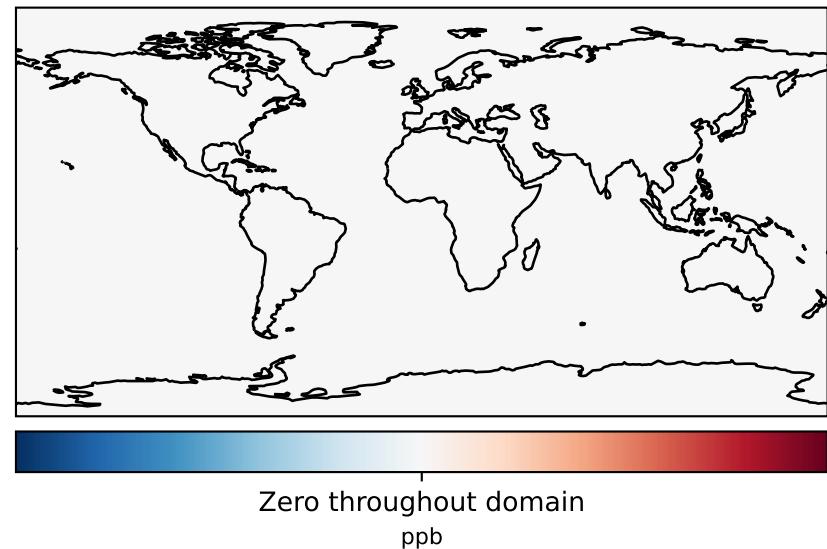
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



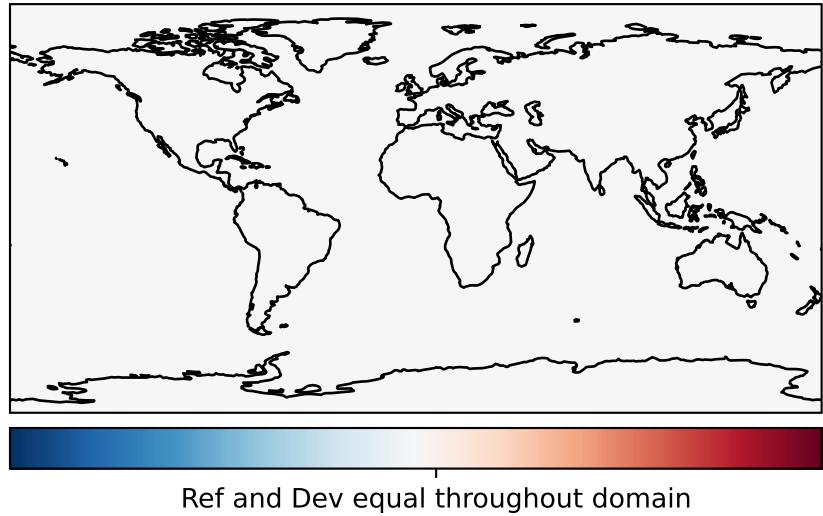
Difference  
Dev - Ref, Restricted Range [5%,95%]



Zero throughout domain  
ppb

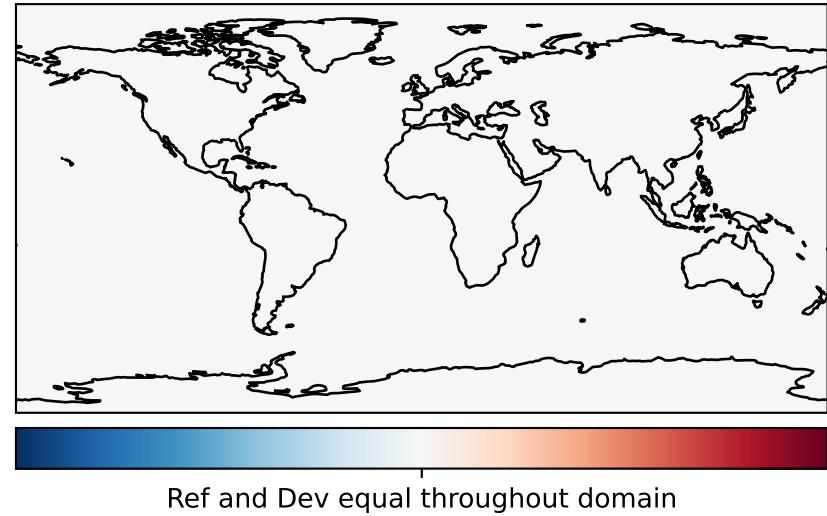
Zero throughout domain  
ppb

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

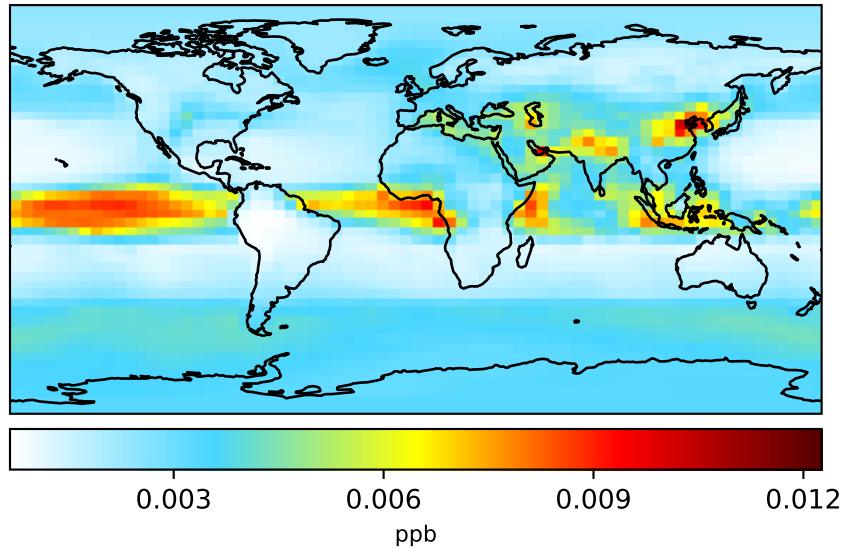
Ratio  
Dev/Ref, Fixed Range



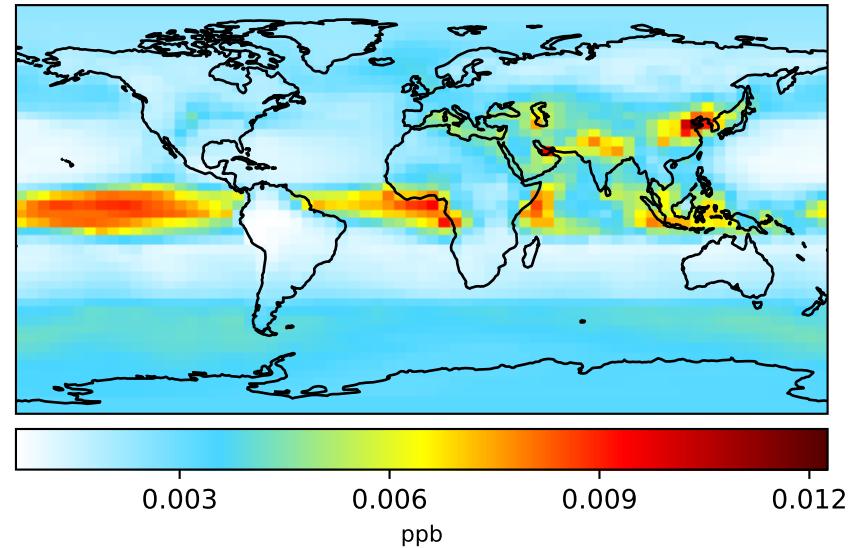
Ref and Dev equal throughout domain  
unitless

# SpeciesConcVV\_ETN03

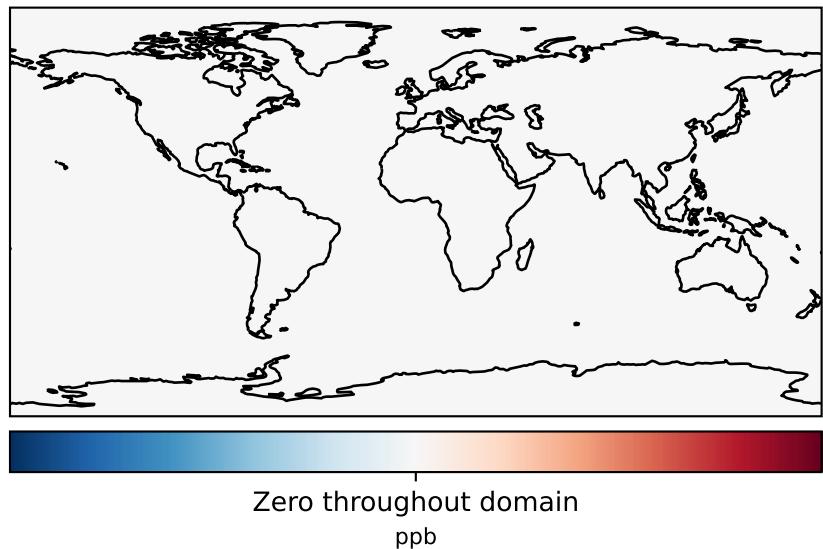
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



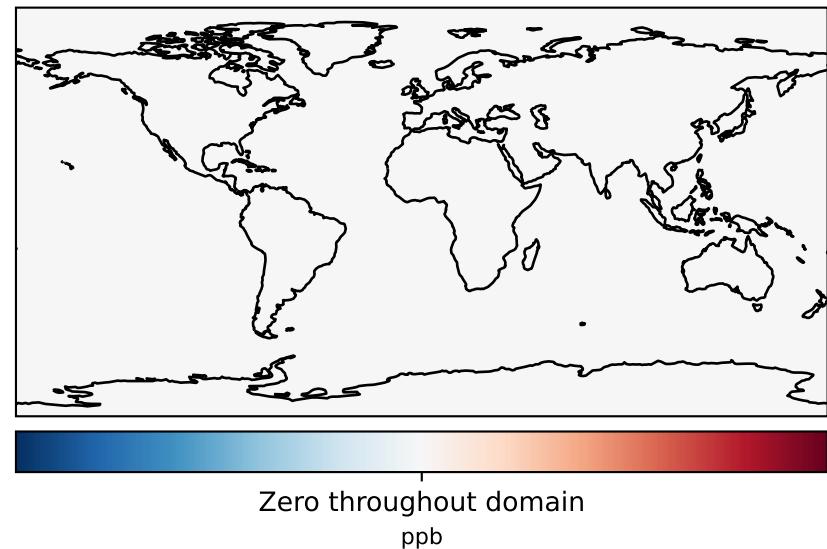
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



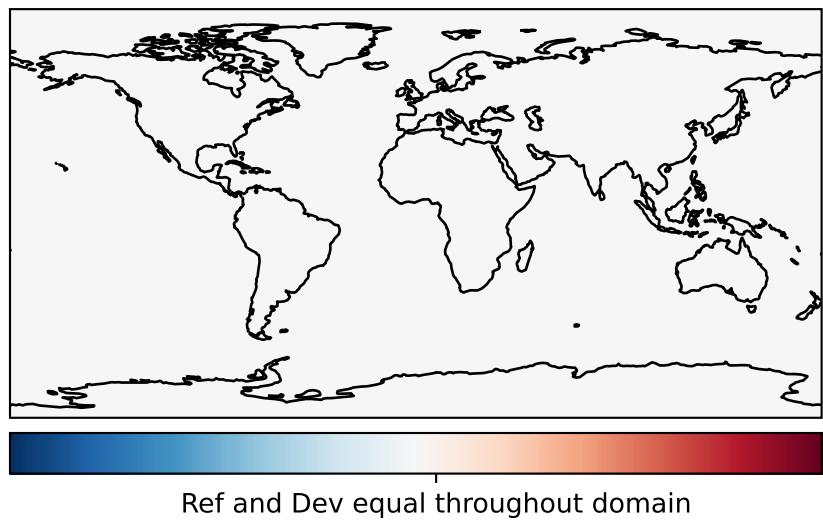
Difference  
Dev - Ref, Dynamic Range



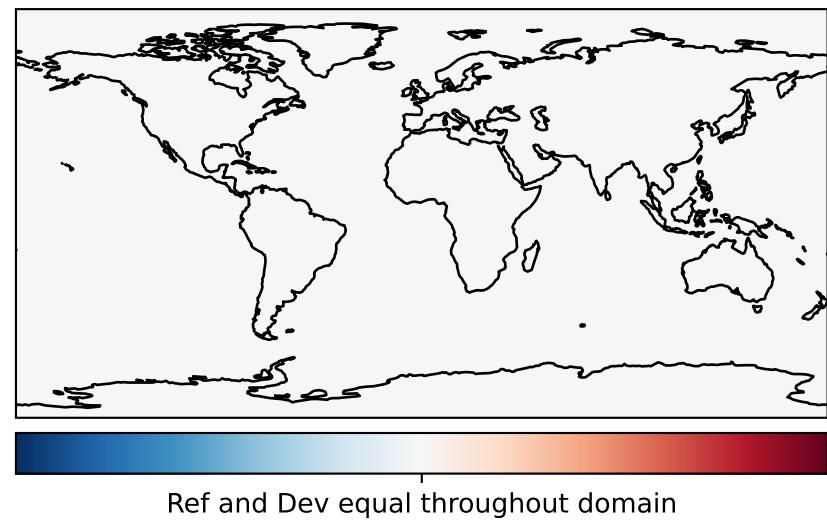
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

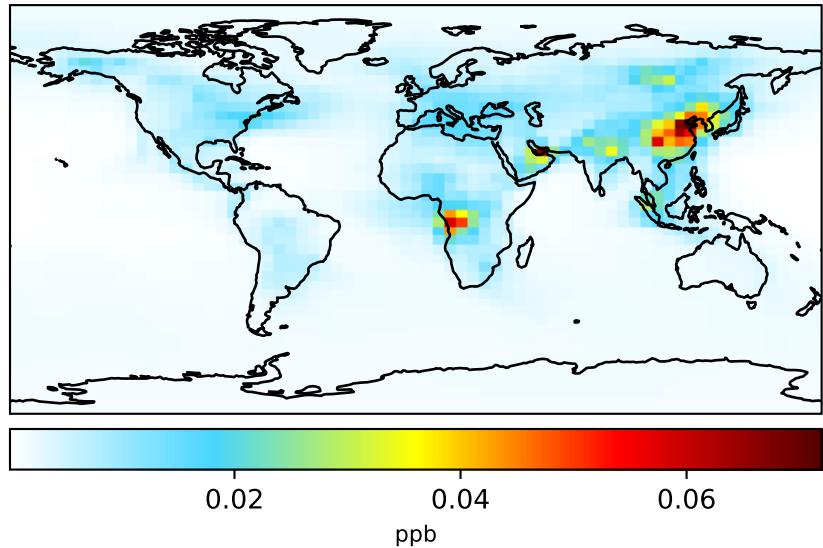


Ratio  
Dev/Ref, Fixed Range

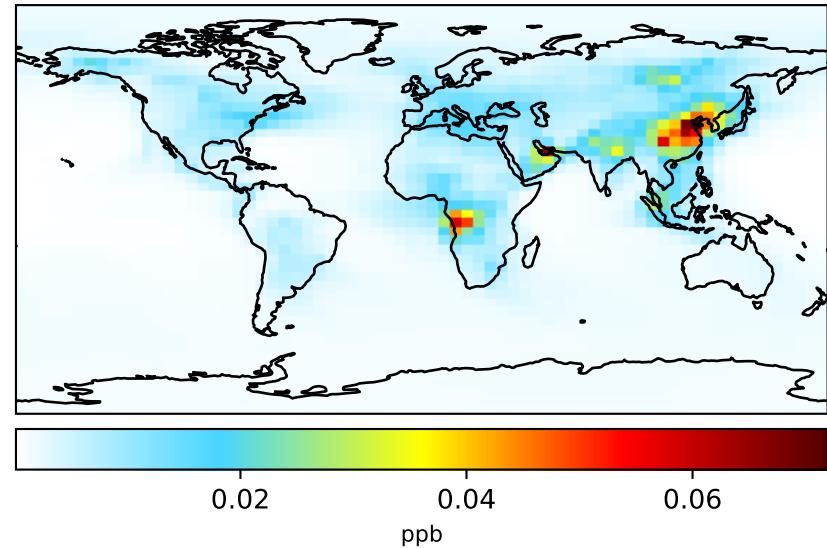


# SpeciesConcVV\_IPRNO3

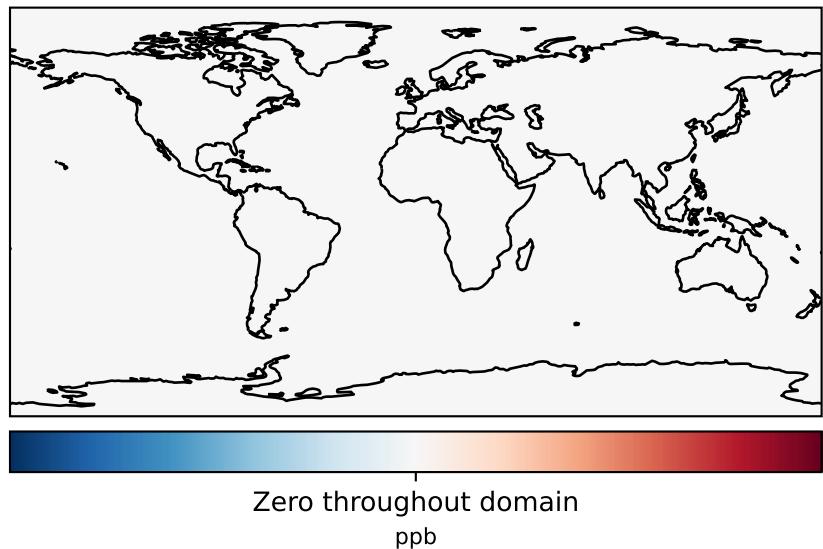
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



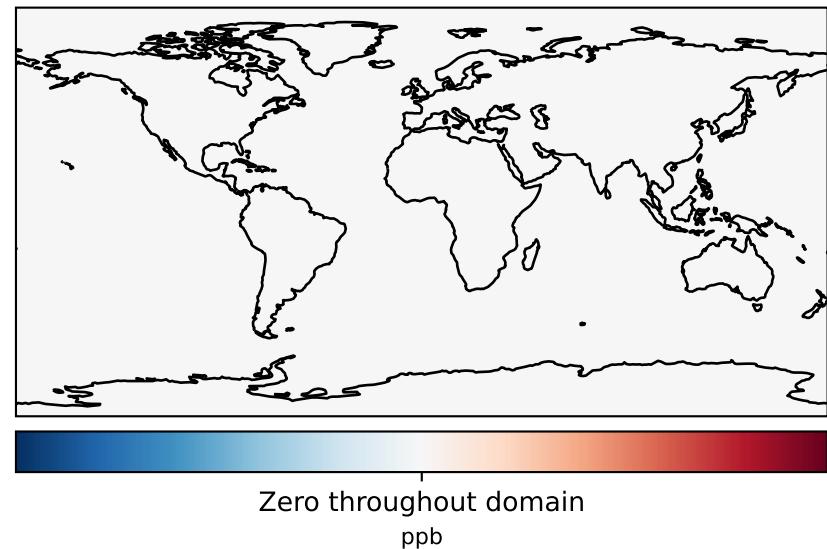
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



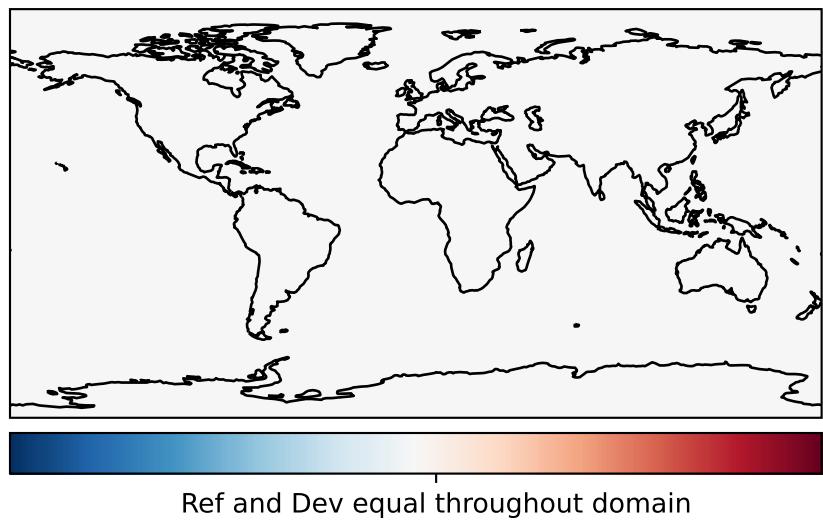
Difference  
Dev - Ref, Dynamic Range



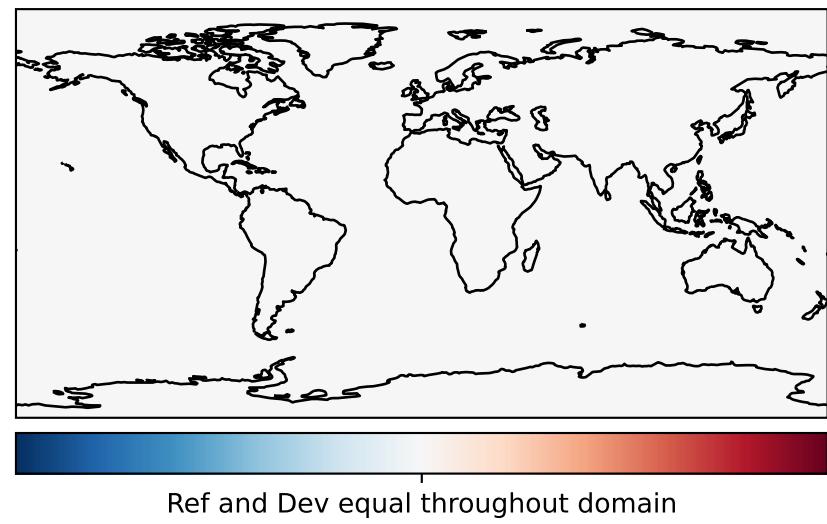
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

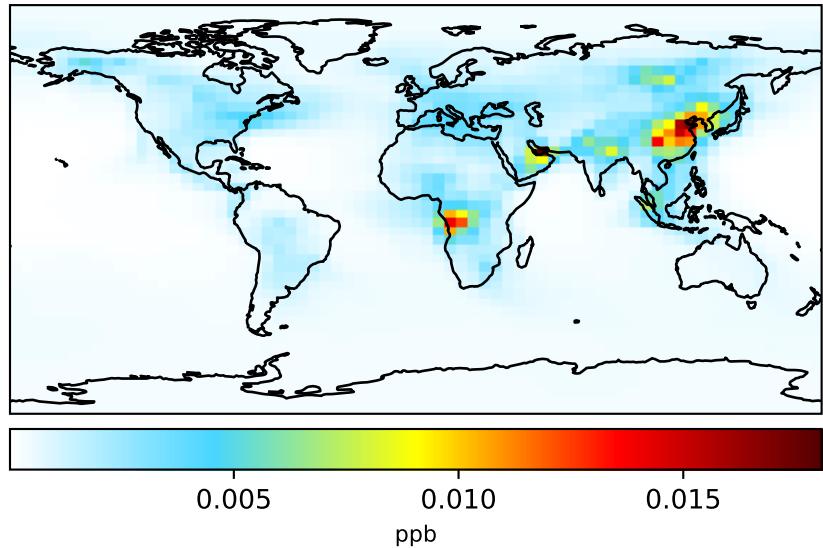


Ratio  
Dev/Ref, Fixed Range

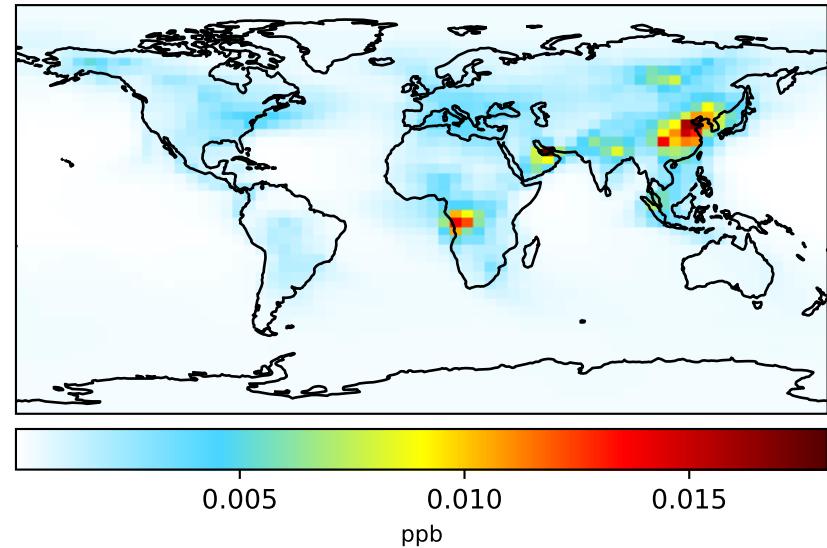


# SpeciesConcVV\_NPRNO3

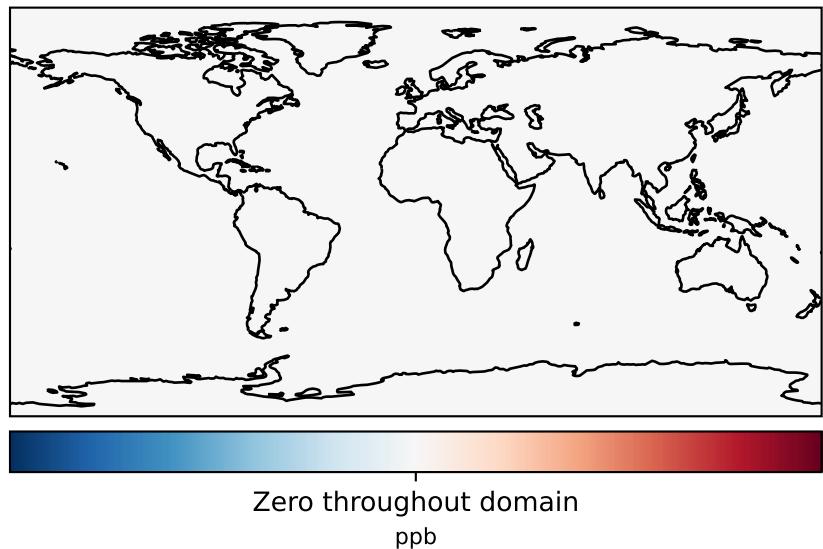
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



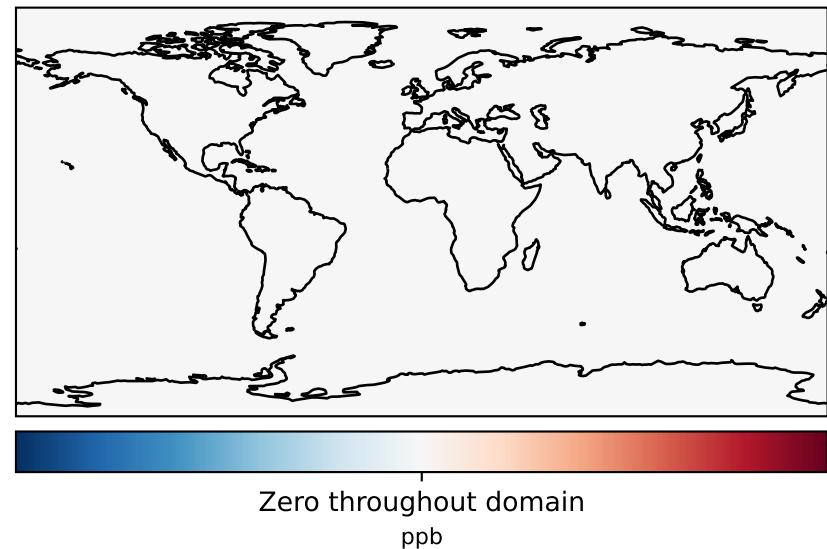
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



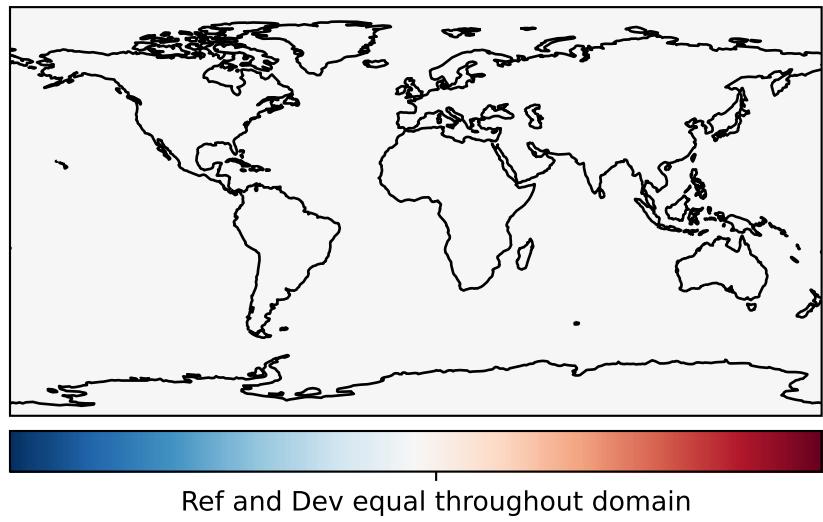
Difference  
Dev - Ref, Dynamic Range



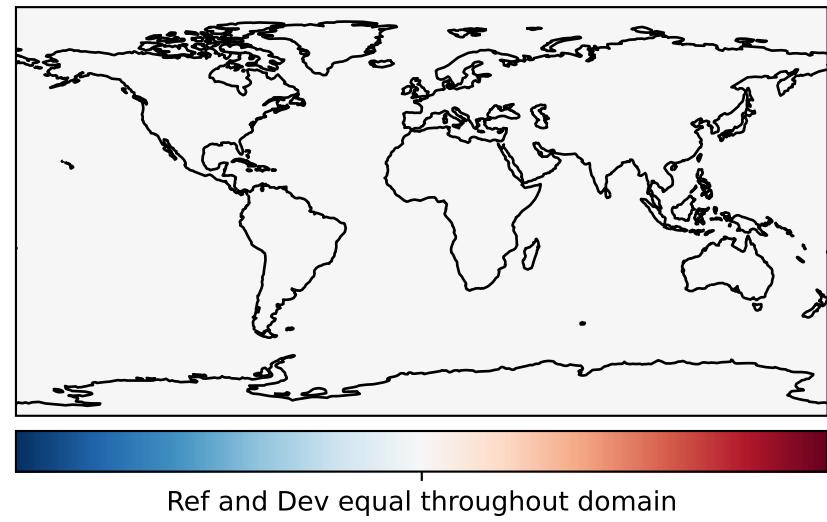
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

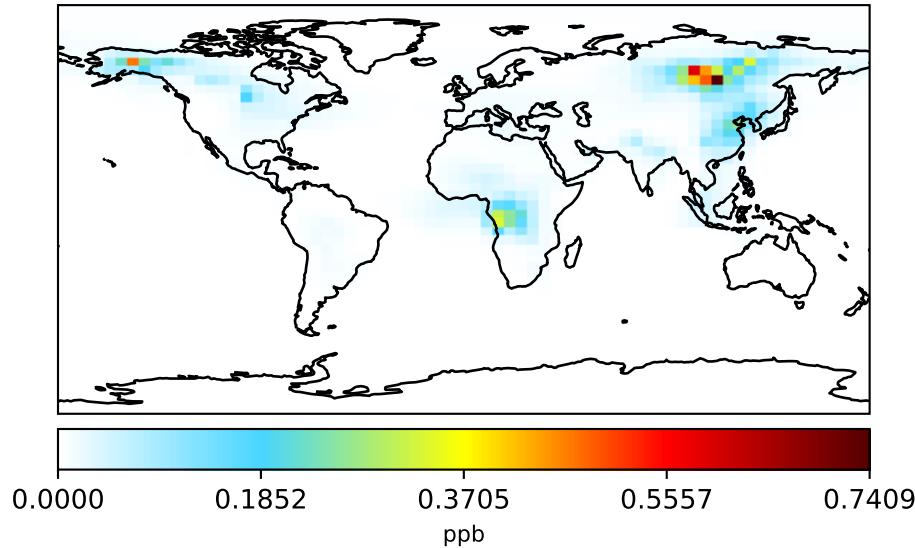


Ratio  
Dev/Ref, Fixed Range

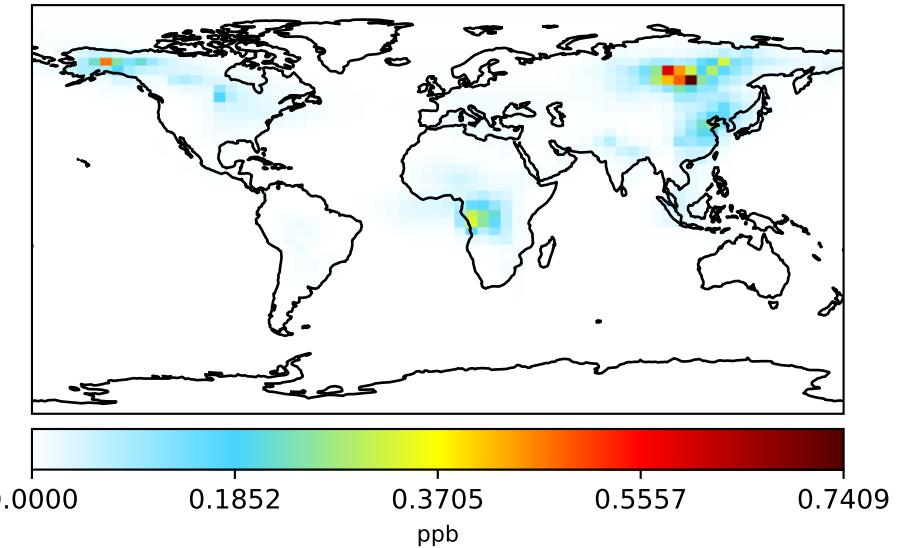


# SpeciesConcVV\_AONITA

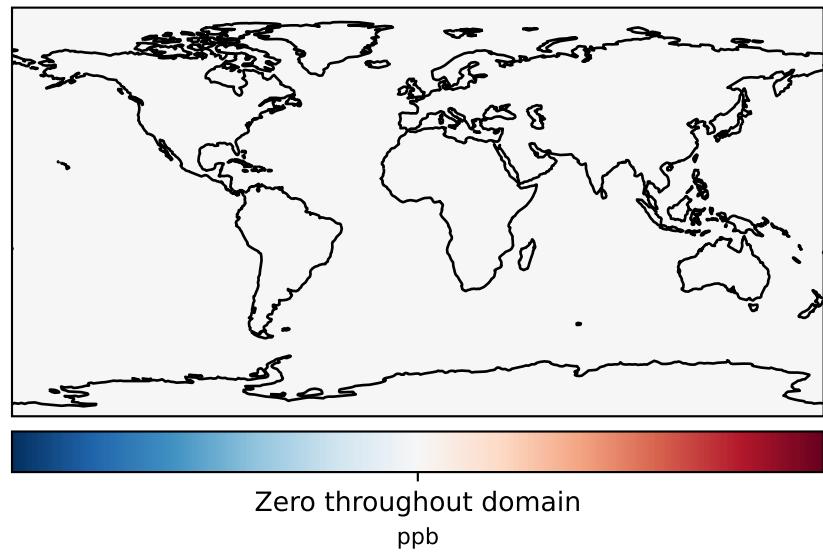
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



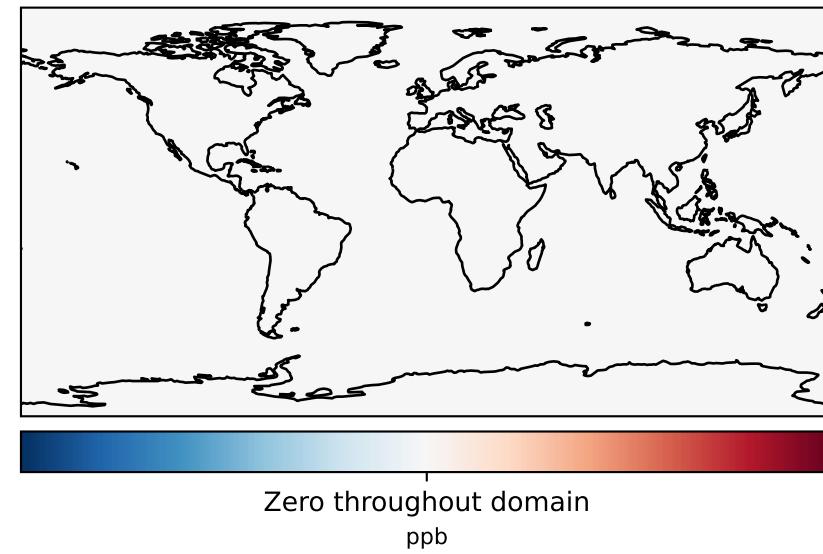
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



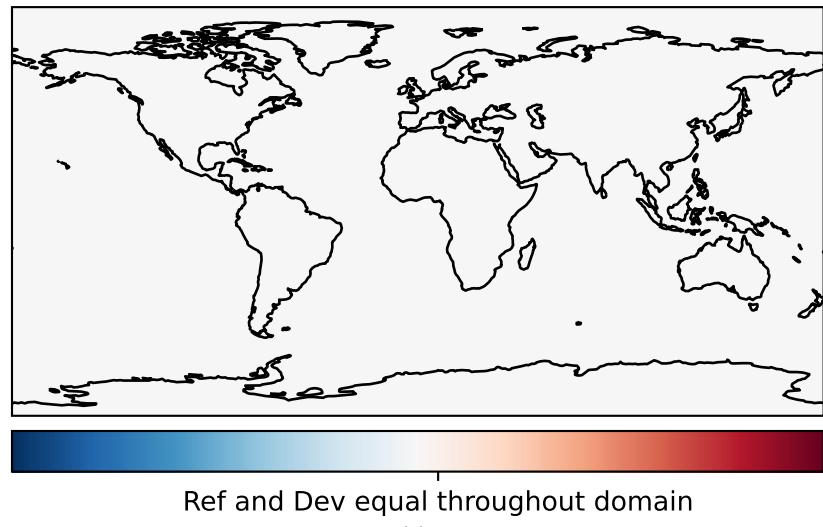
Difference  
Dev - Ref, Dynamic Range



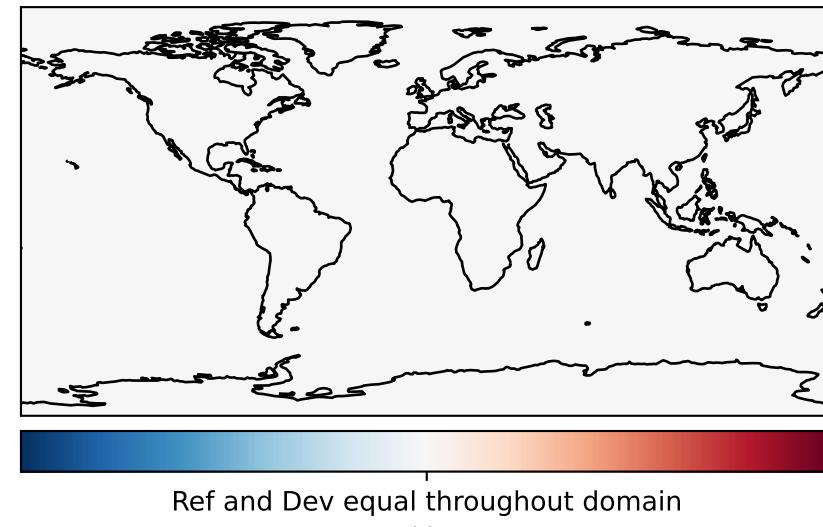
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

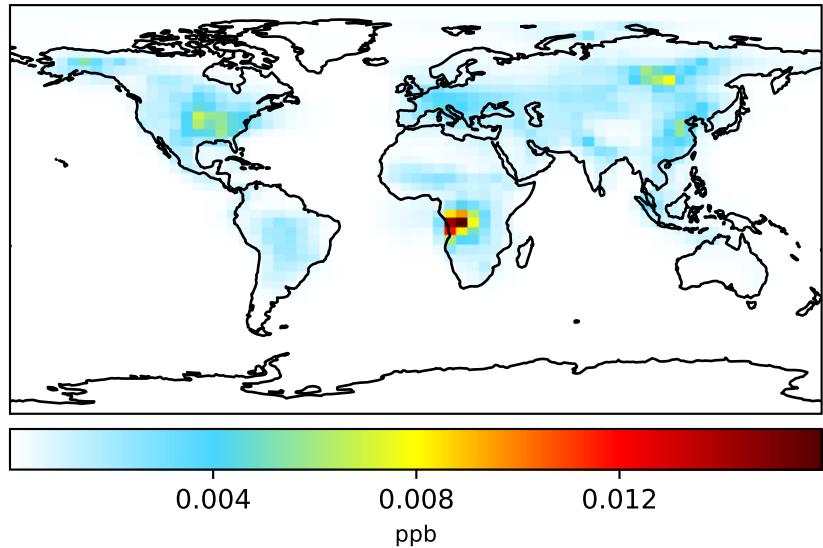


Ratio  
Dev/Ref, Fixed Range

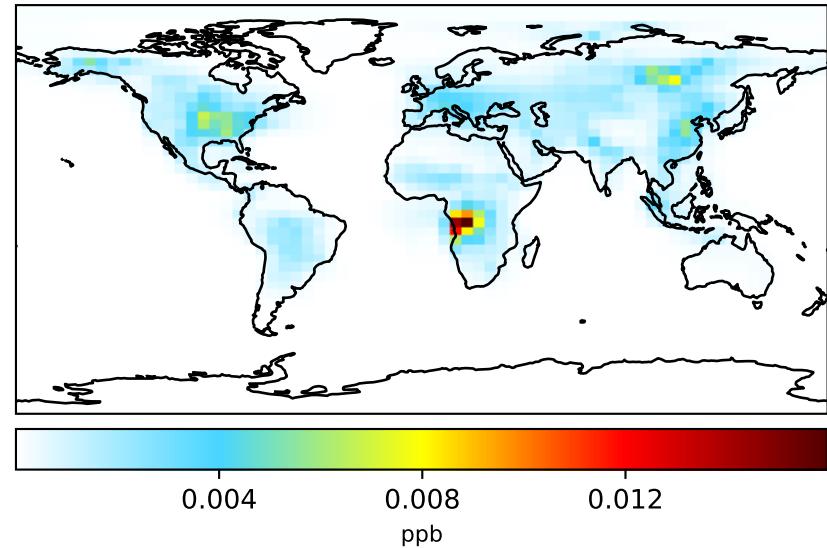


# SpeciesConcVV\_ETHN

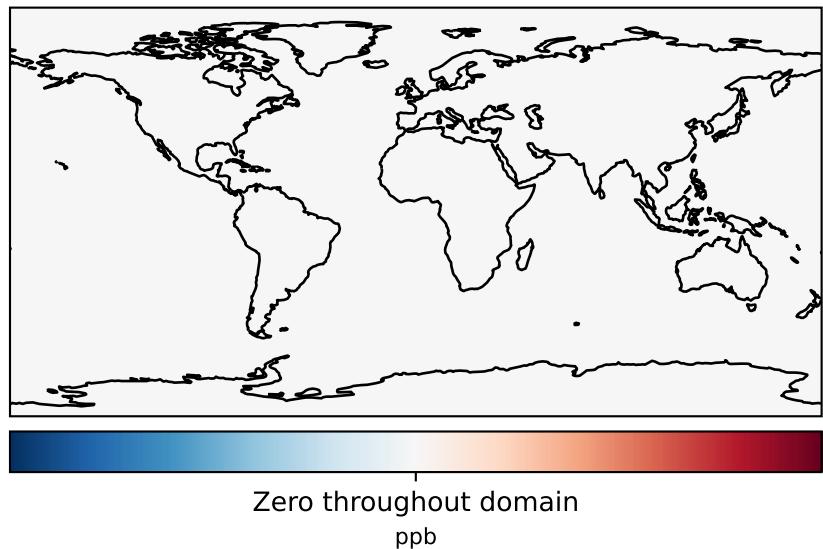
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



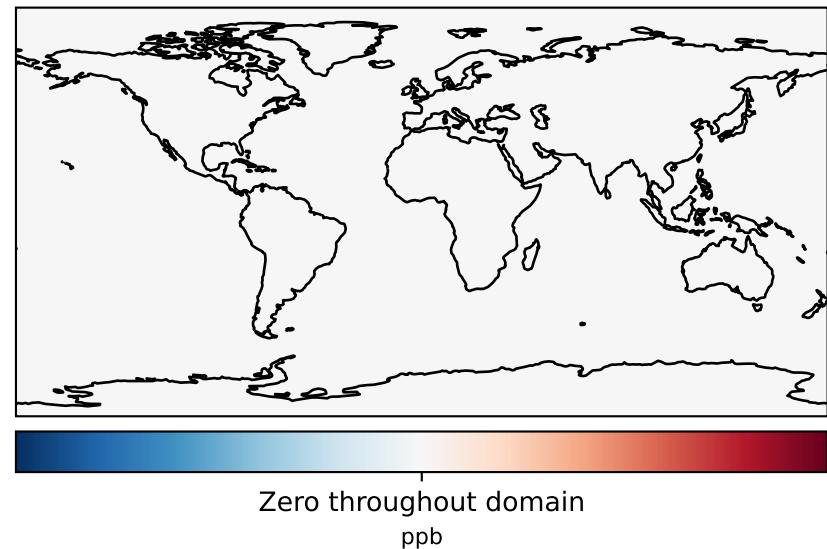
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



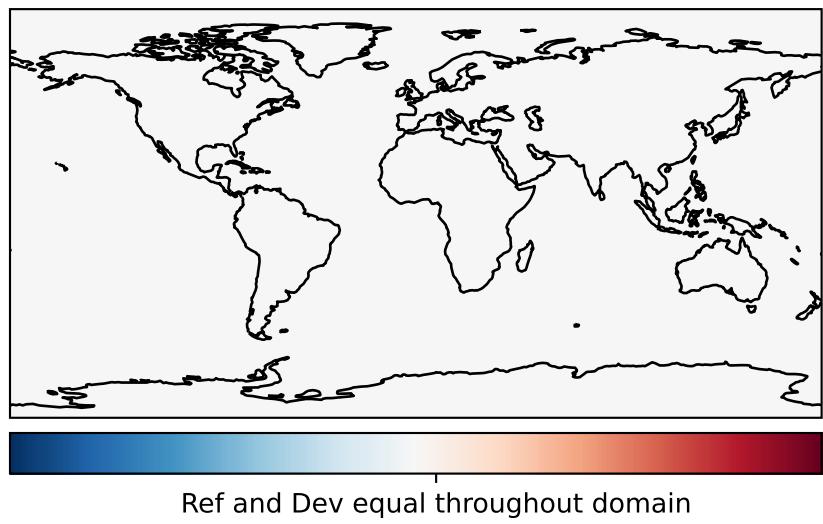
Difference  
Dev - Ref, Dynamic Range



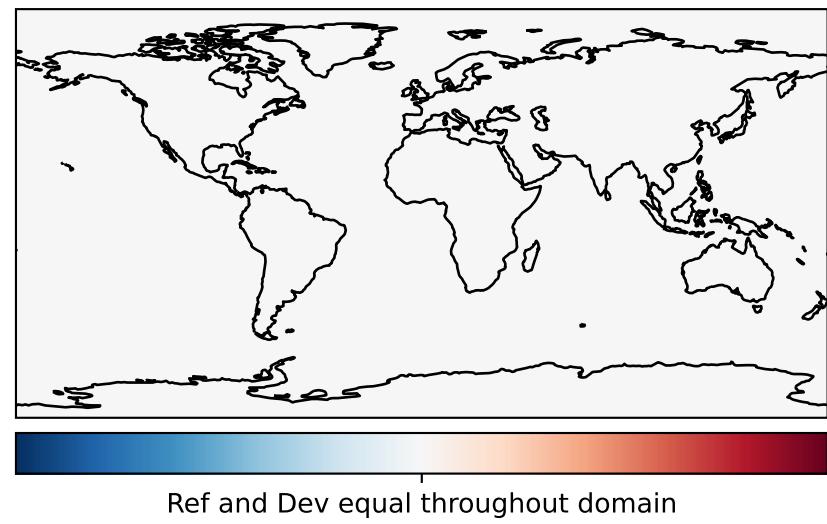
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

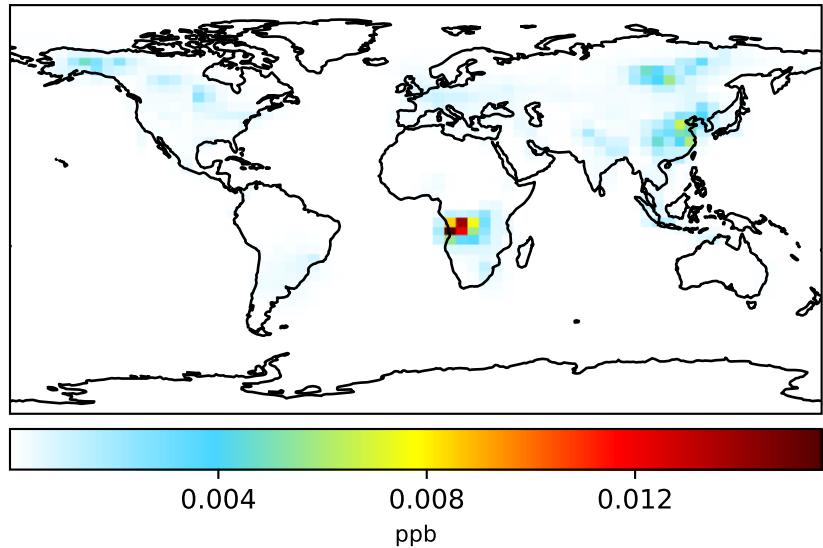


Ratio  
Dev/Ref, Fixed Range

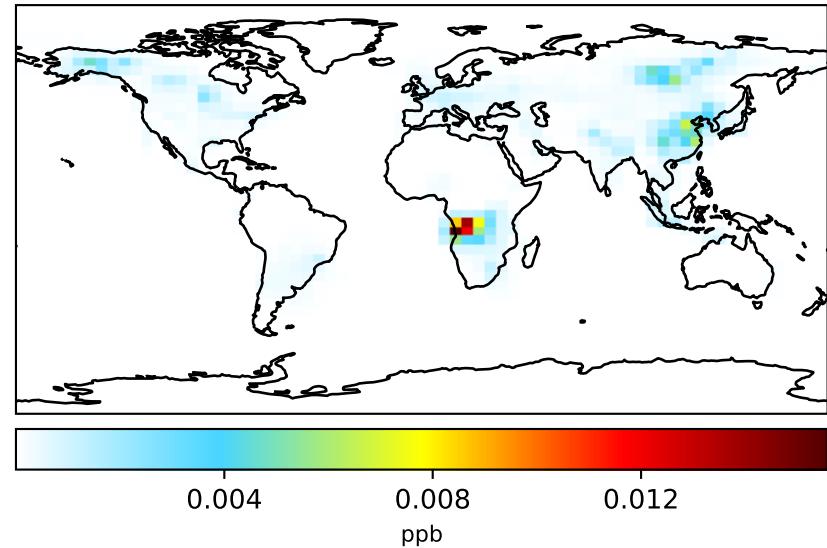


# SpeciesConcVV\_BZPAN

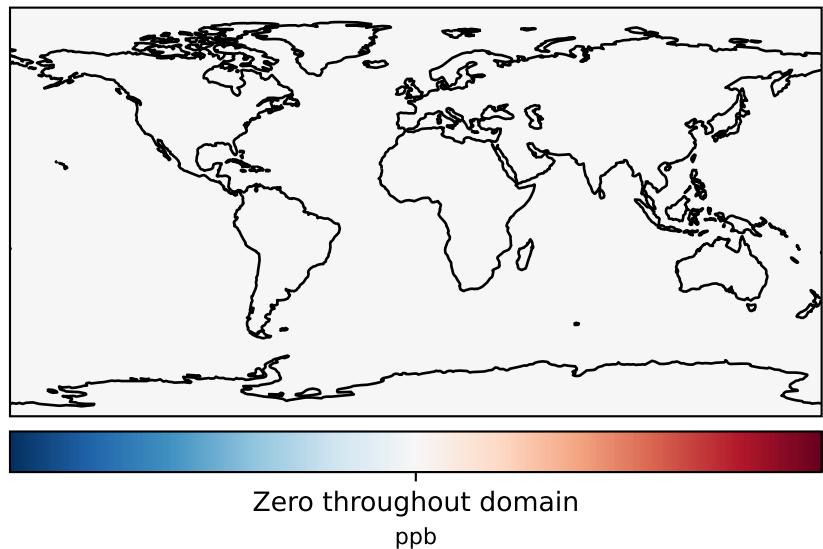
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



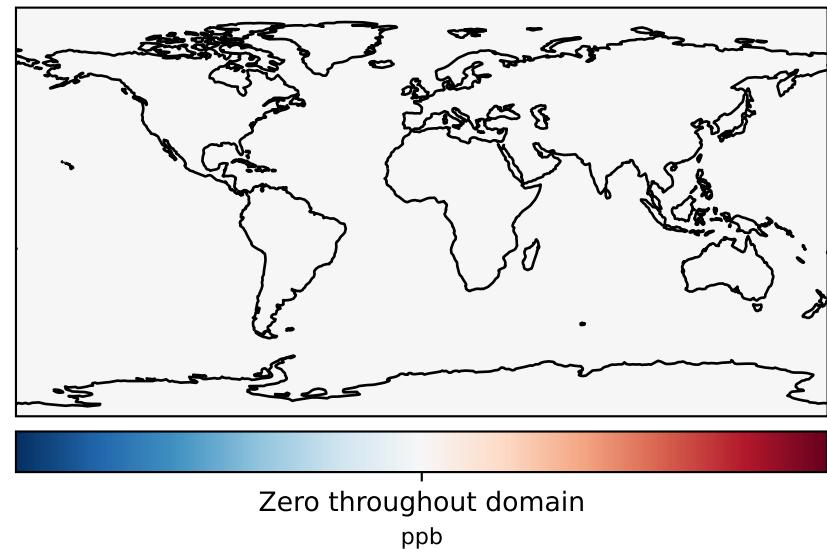
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



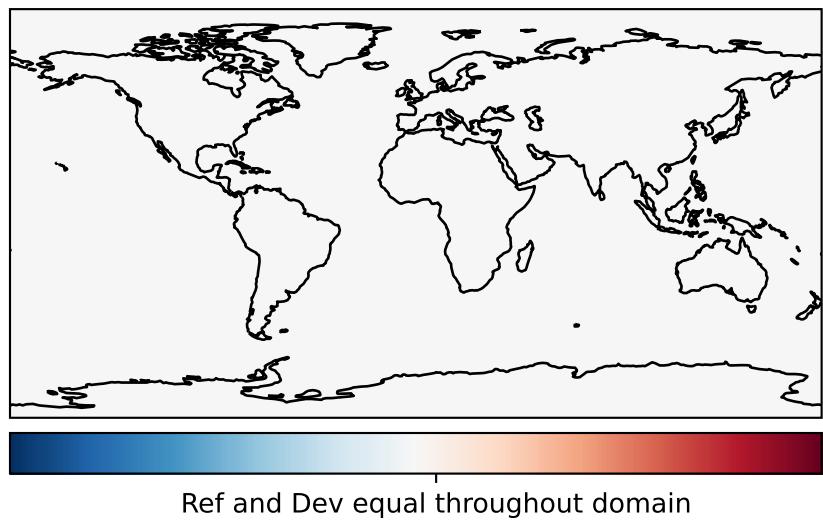
Difference  
Dev - Ref, Dynamic Range



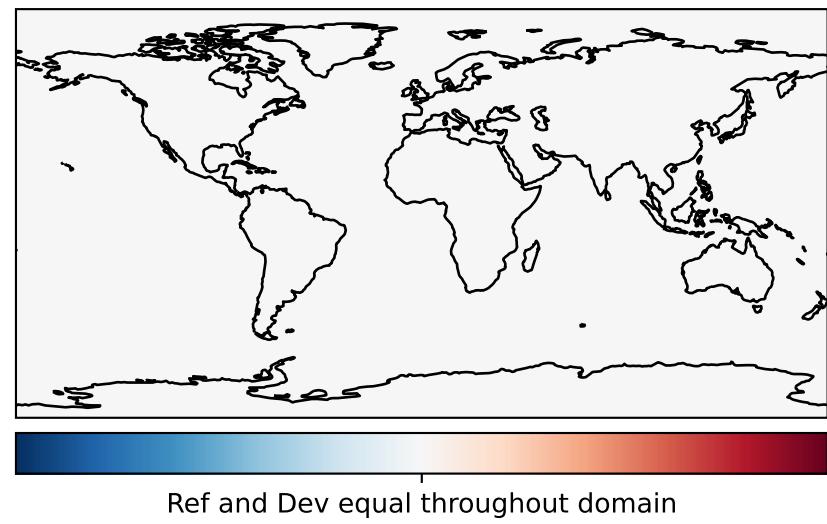
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

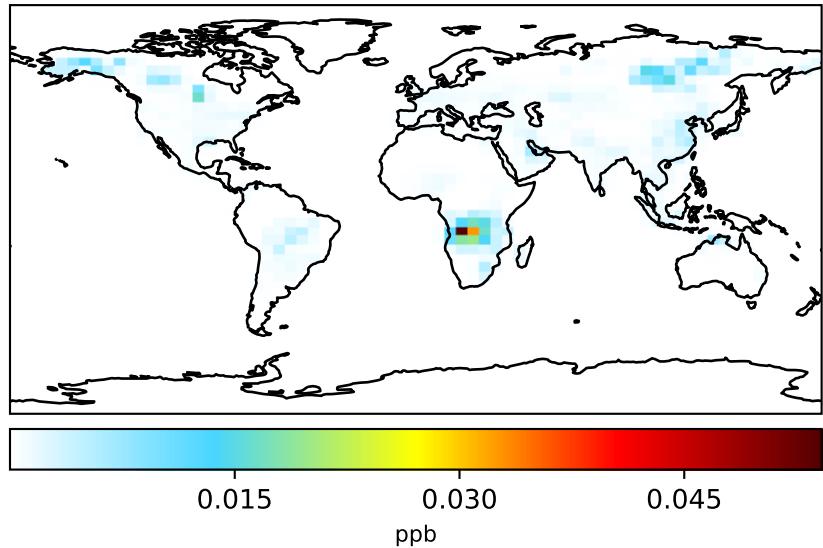


Ratio  
Dev/Ref, Fixed Range

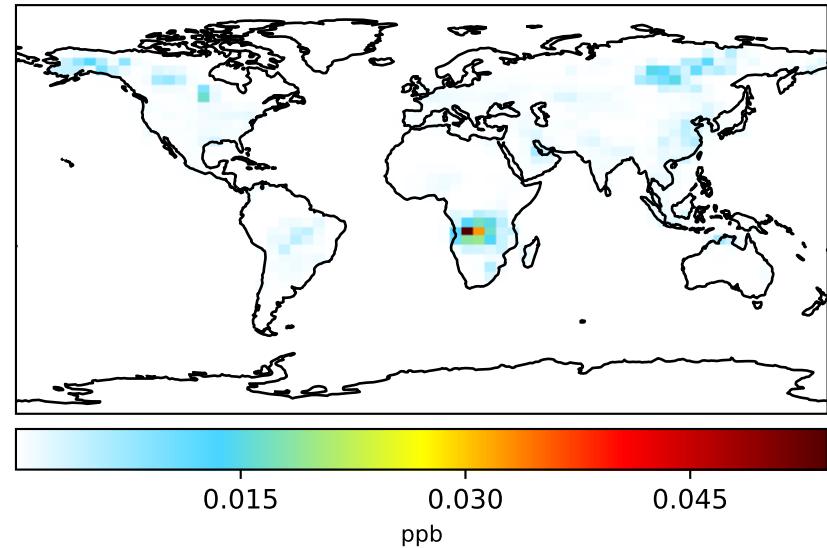


# SpeciesConcVV\_NPHEN

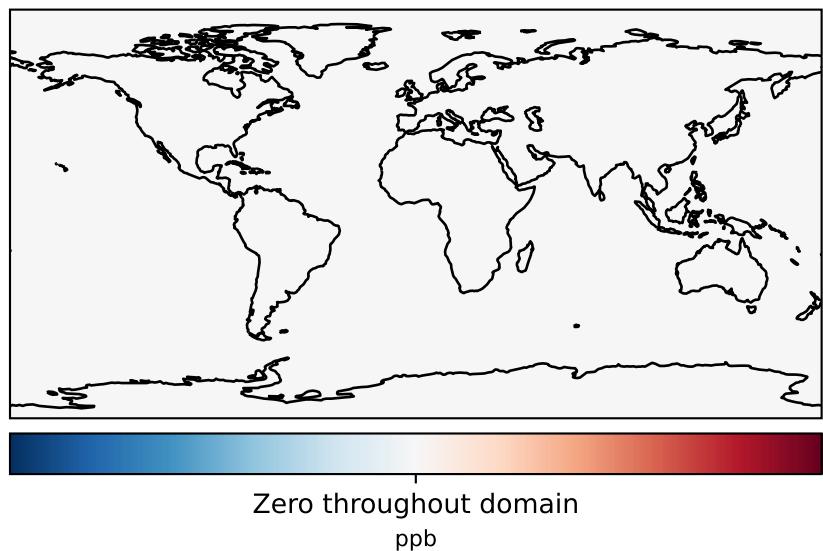
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)  
4.0x5.0



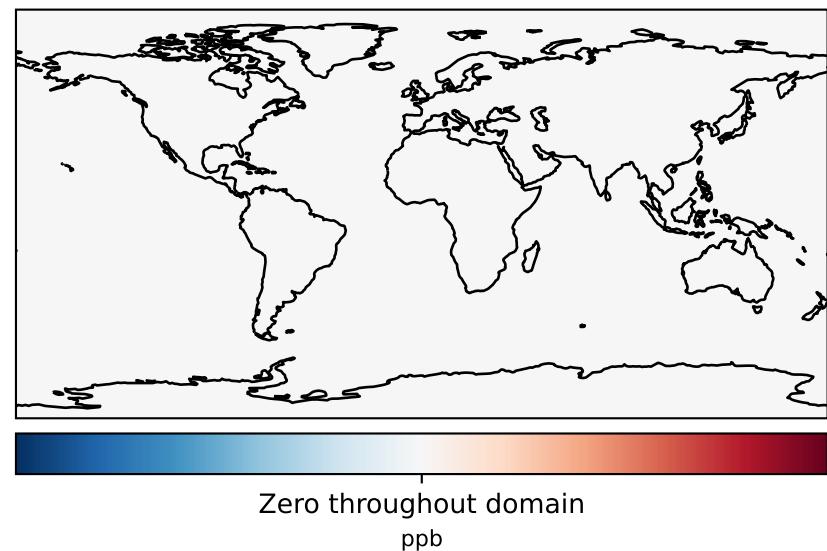
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



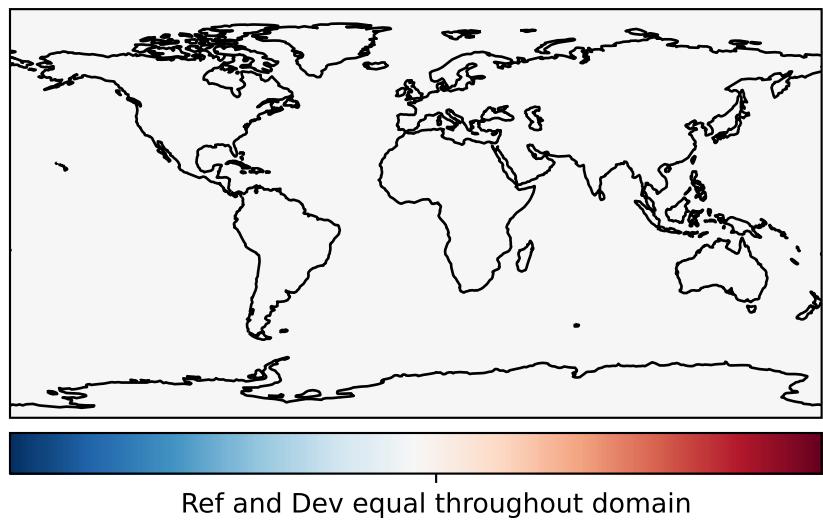
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Zero throughout domain  
ppb

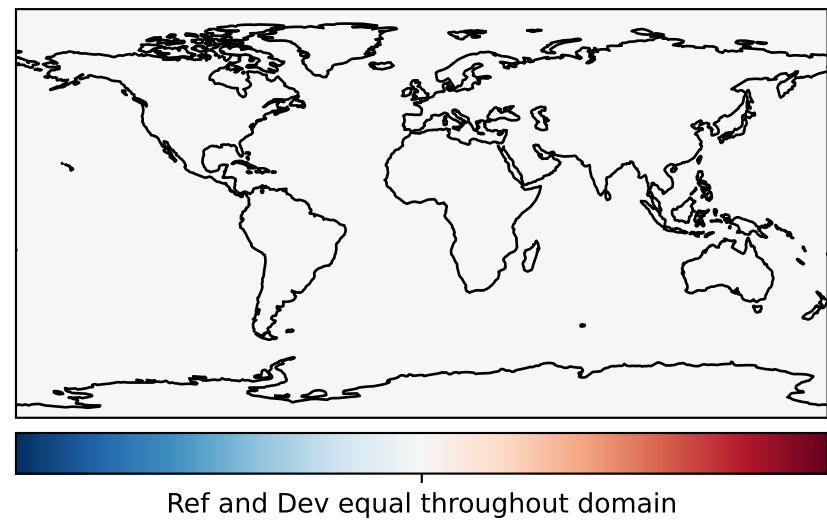
Zero throughout domain  
ppb

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless