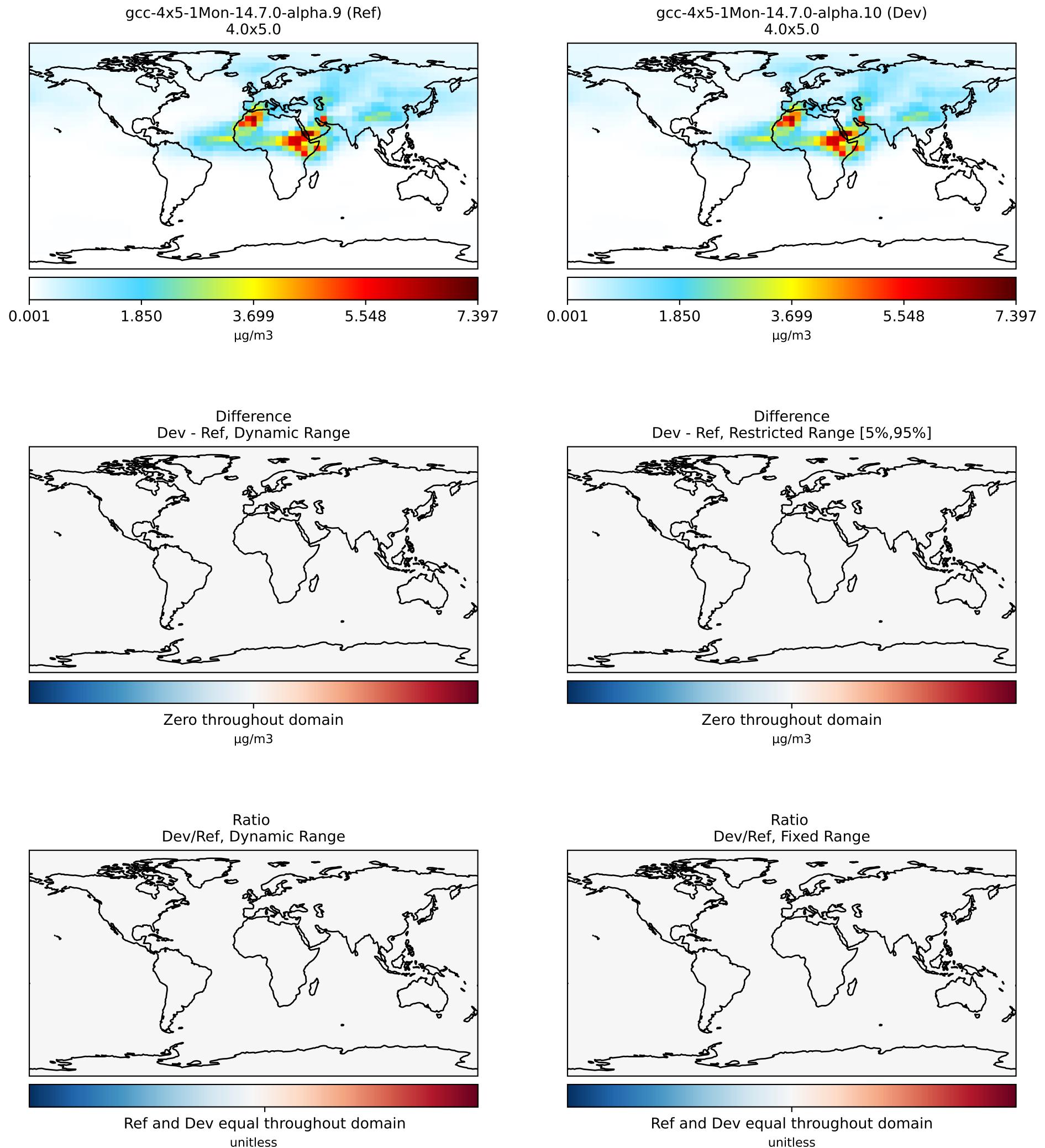
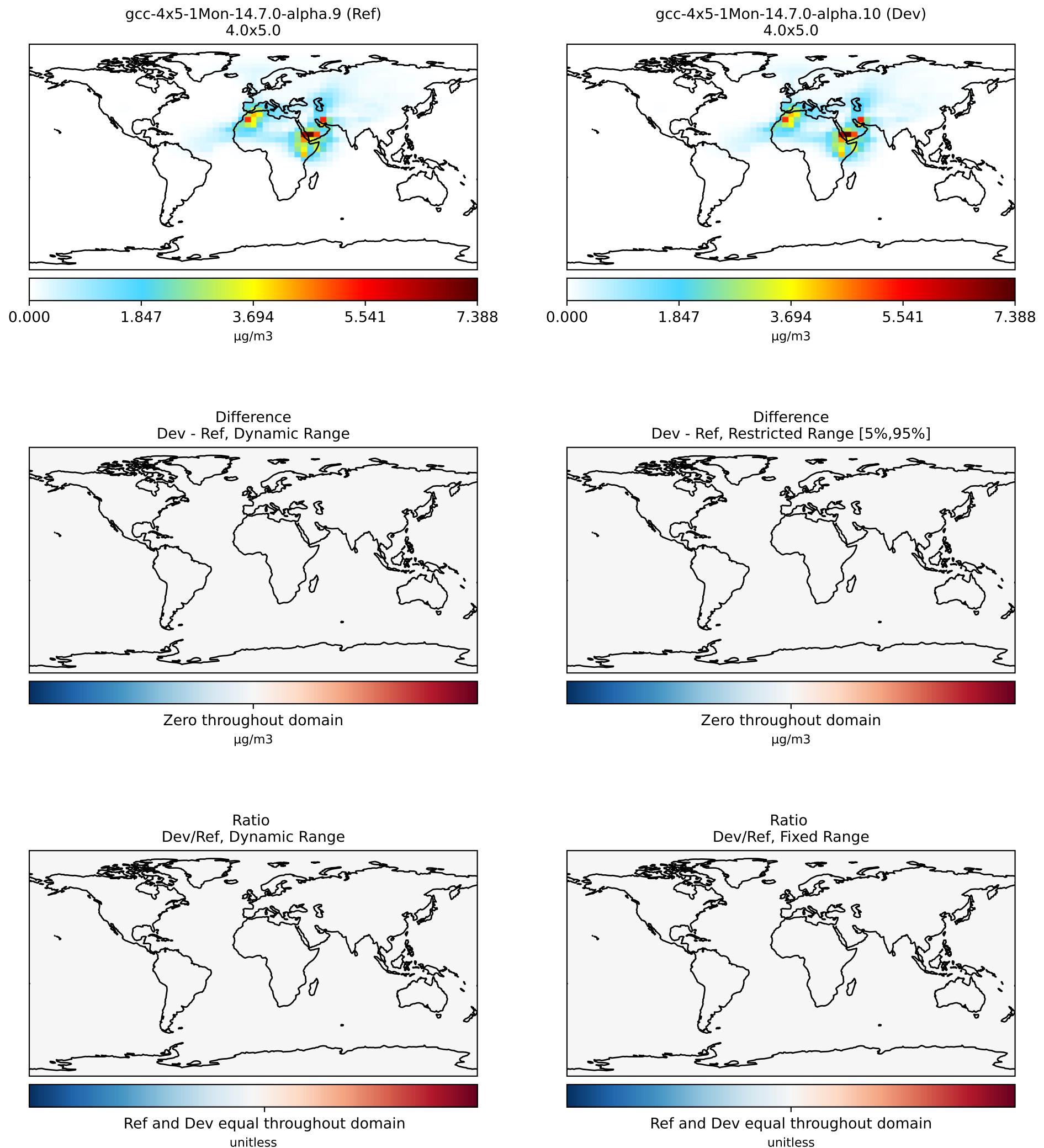


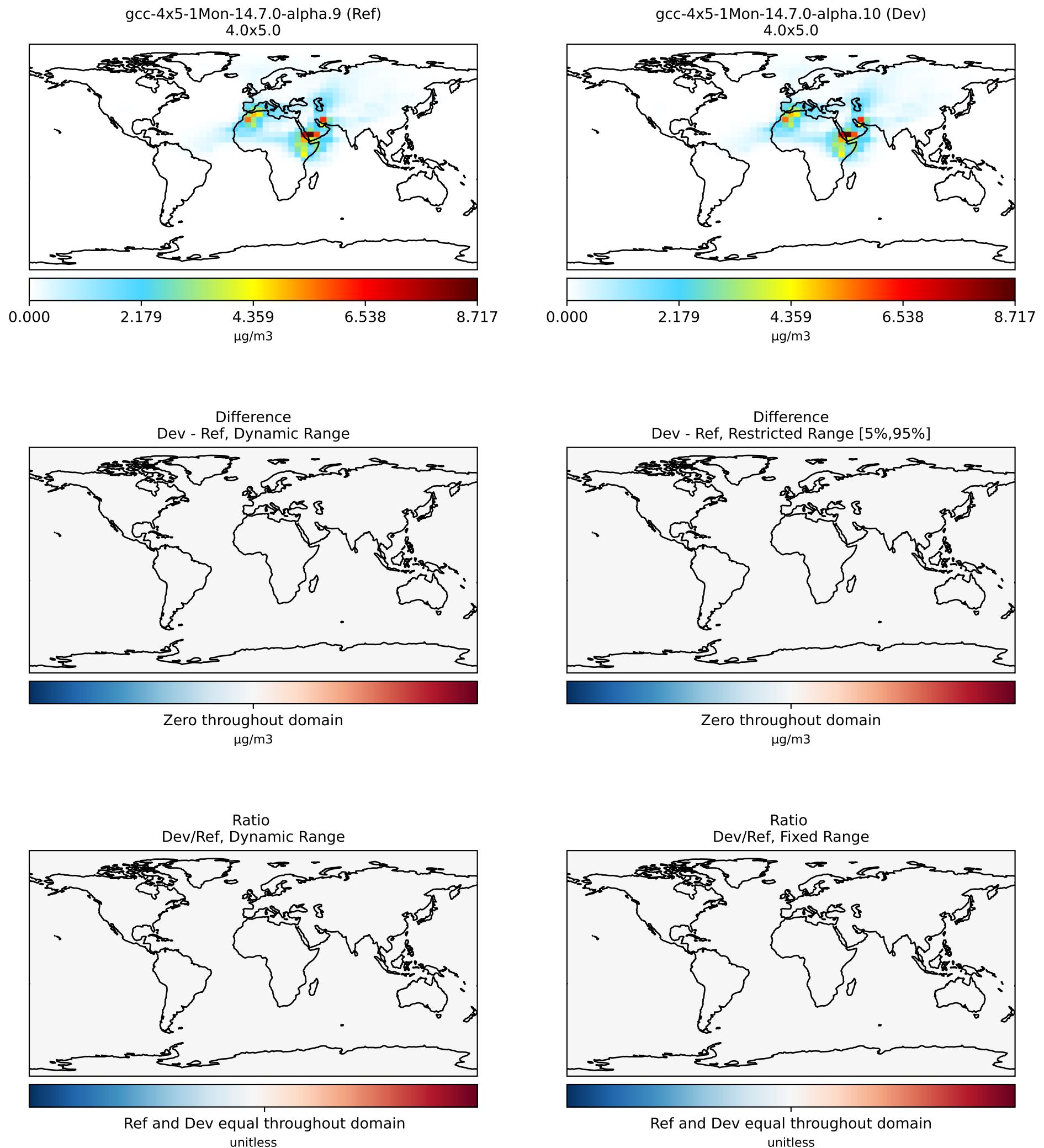
# SpeciesConcVV\_DST1



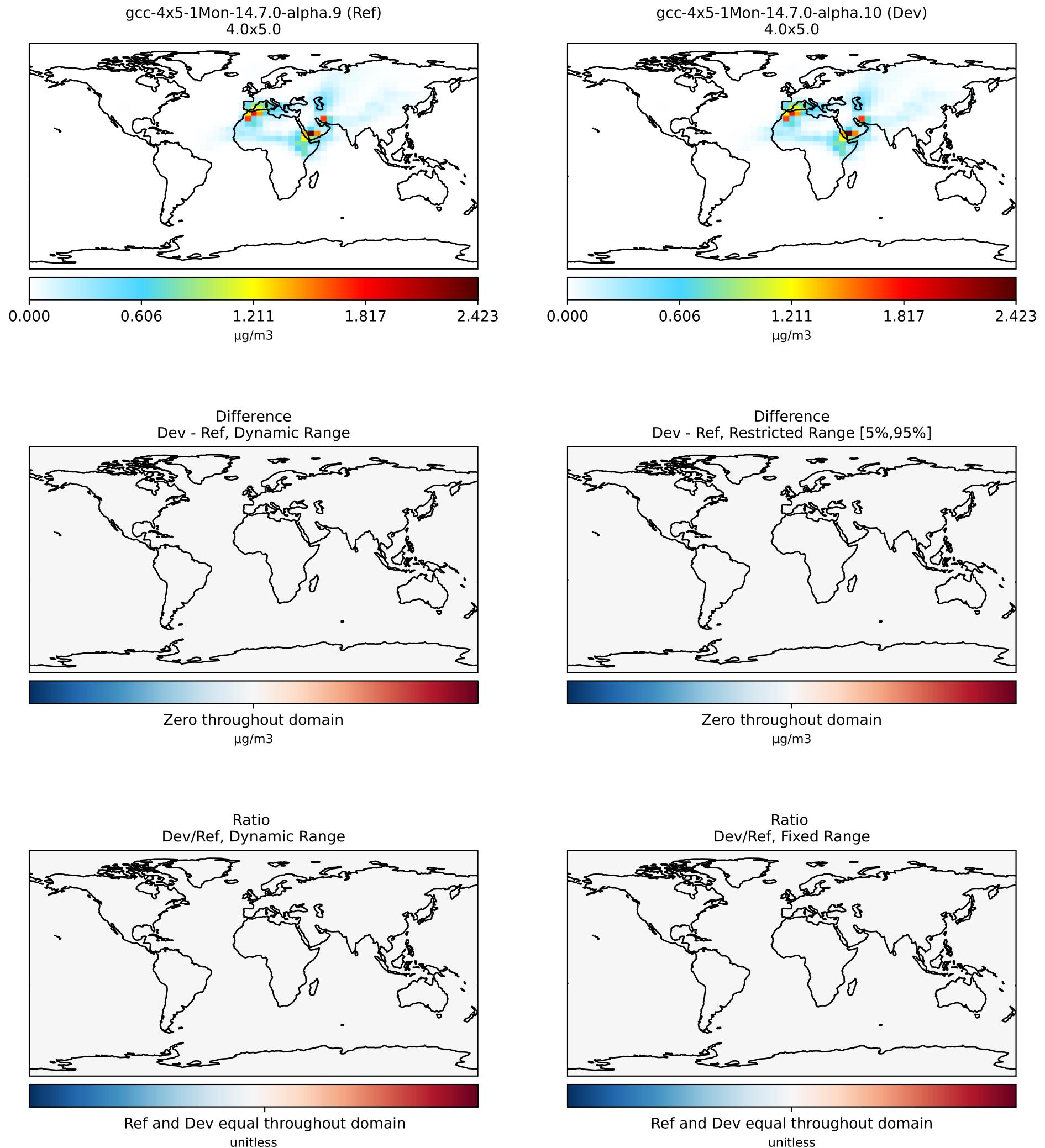
# SpeciesConcVV\_DST2



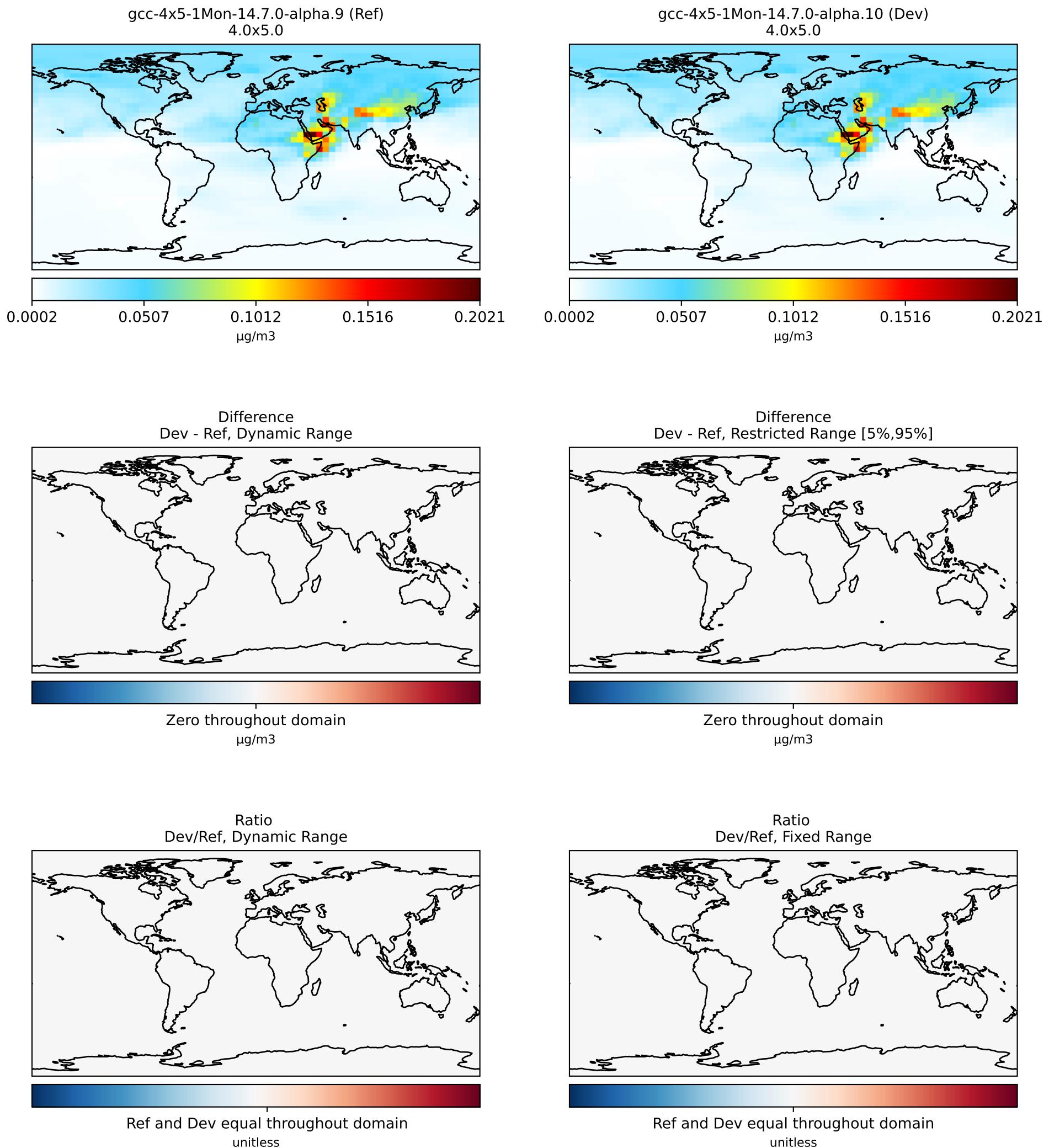
# SpeciesConcVV\_DST3



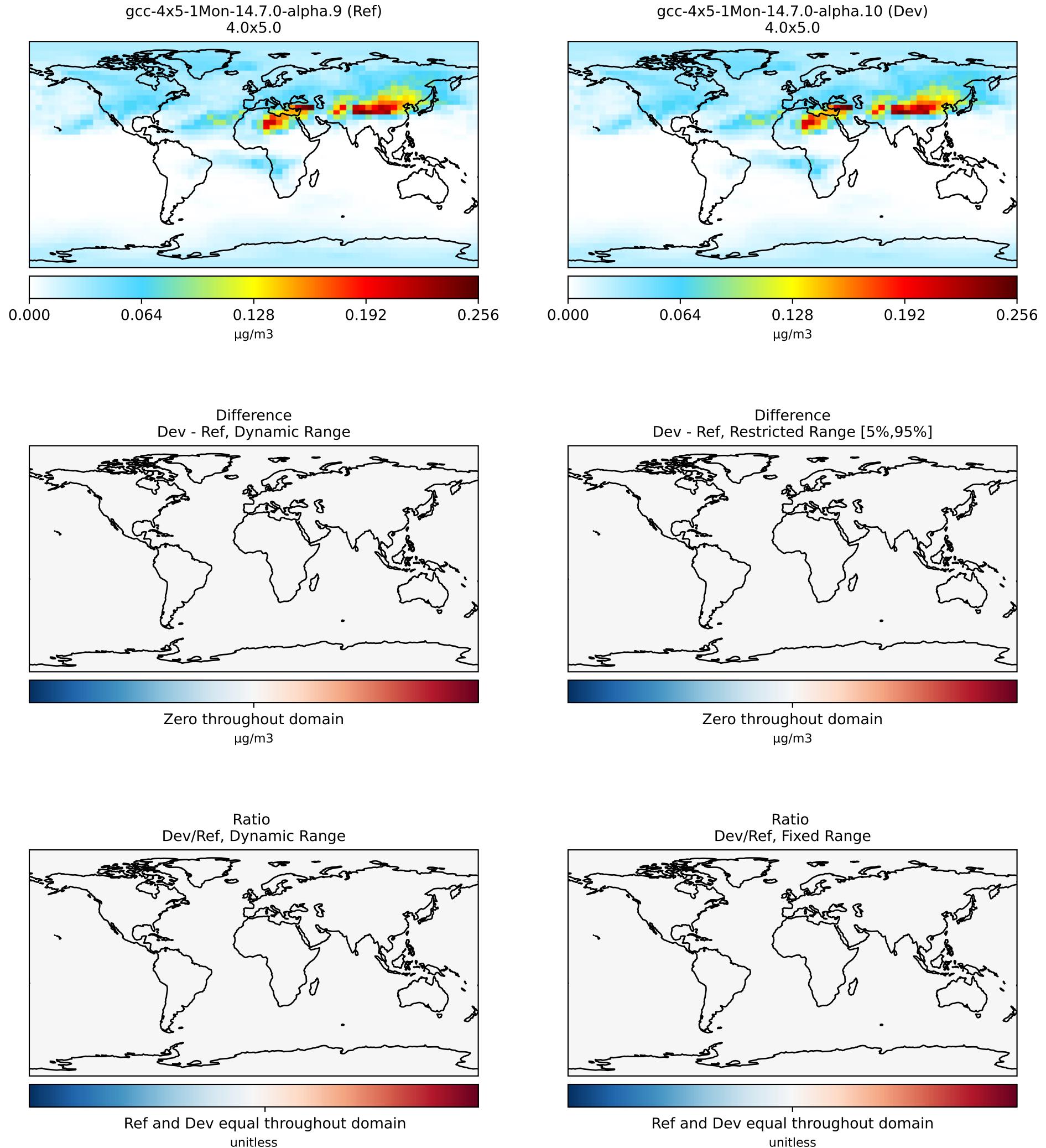
# SpeciesConcVV\_DST4



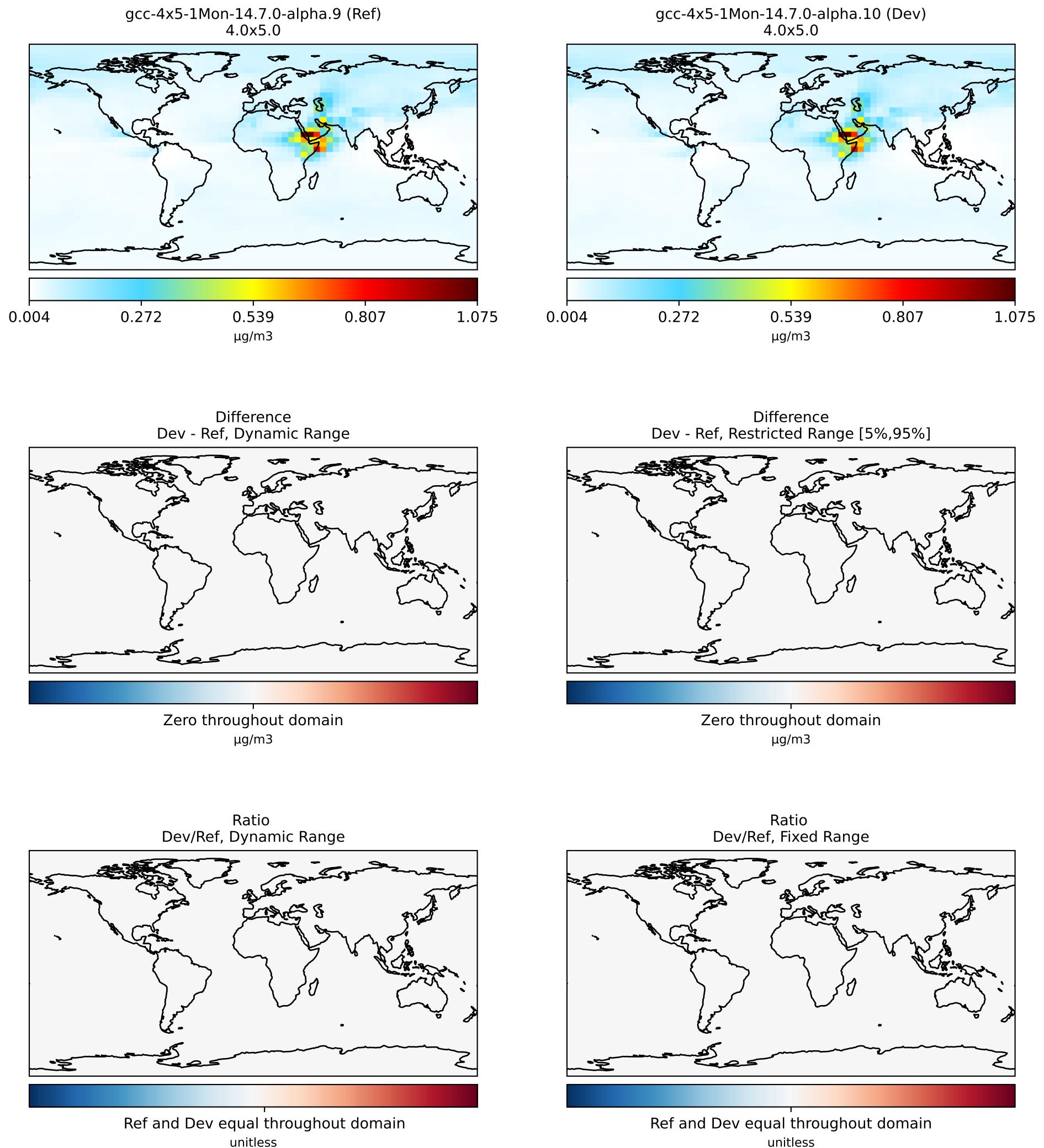
# SpeciesConcVV\_NH4



# SpeciesConcVV\_NIT

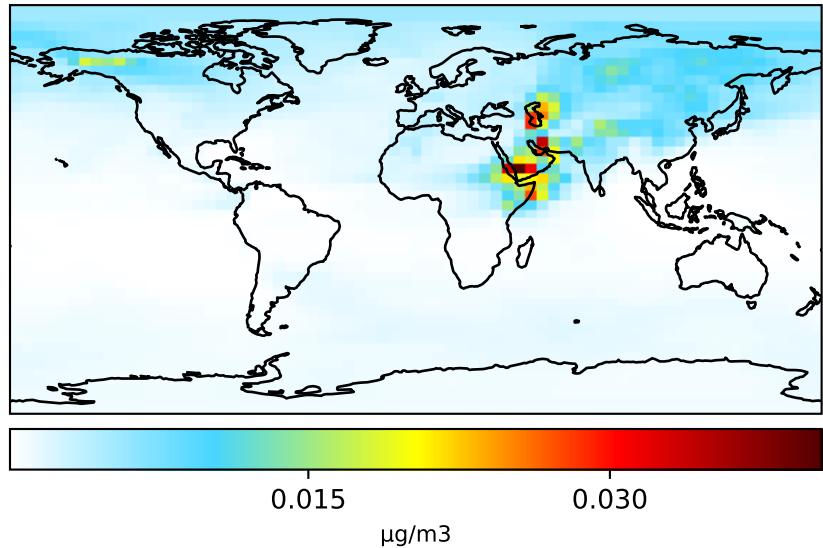


# SpeciesConcVV\_SO4

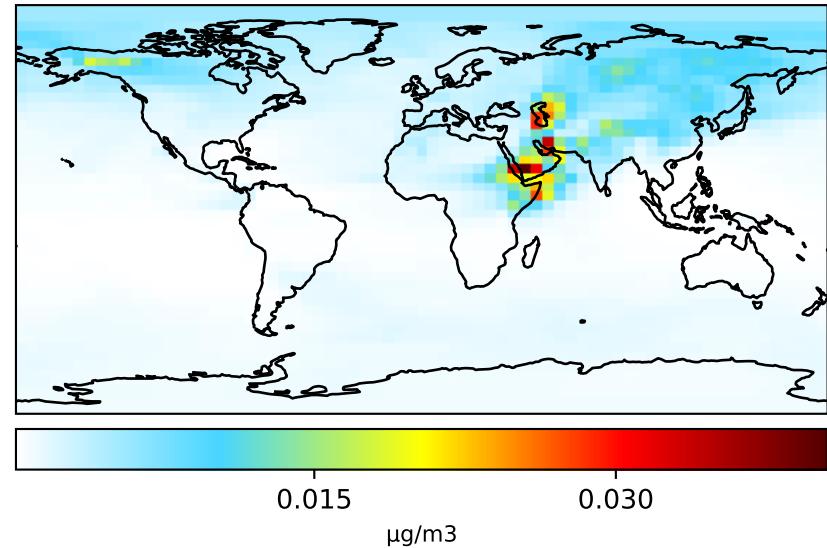


# SpeciesConcVV\_HMS

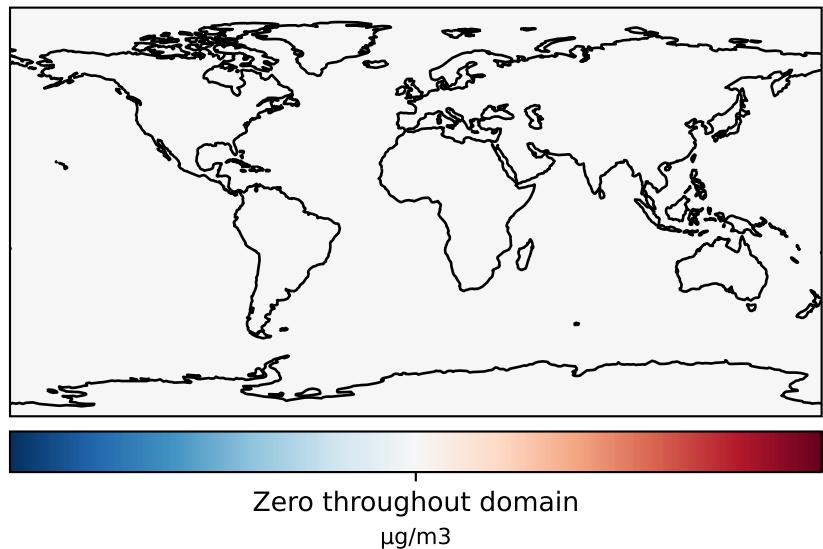
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



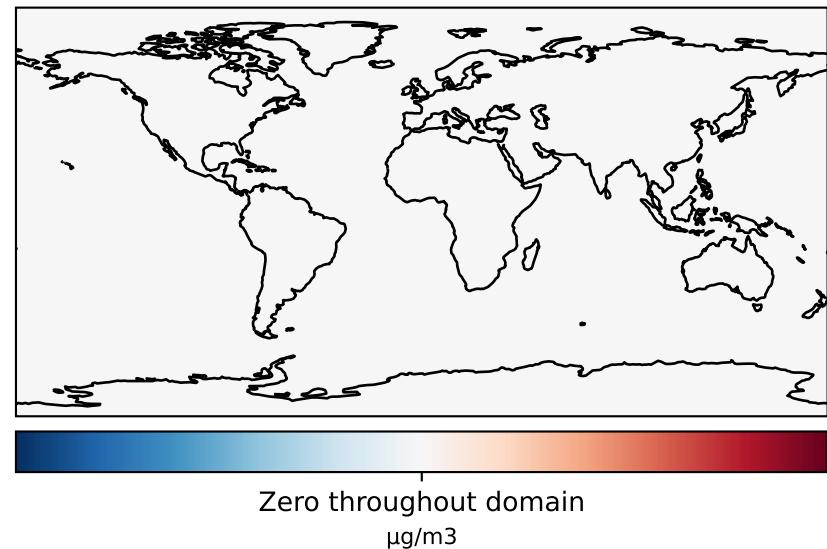
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



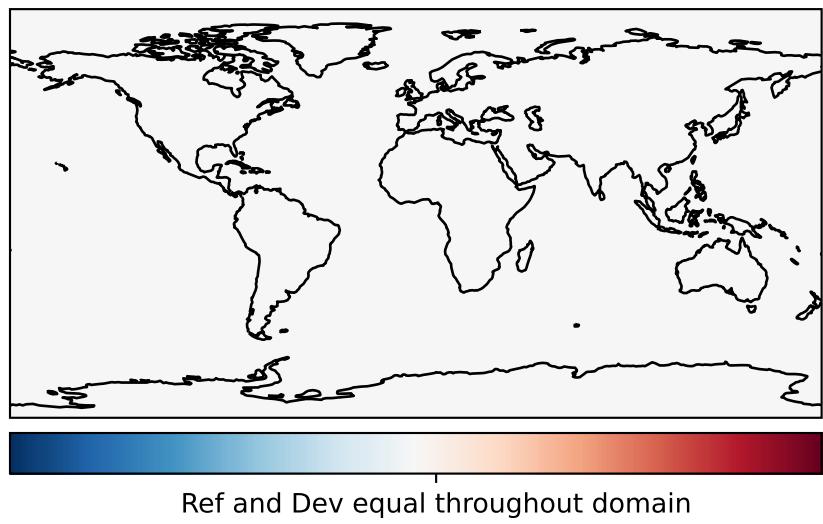
Difference  
Dev - Ref, Dynamic Range



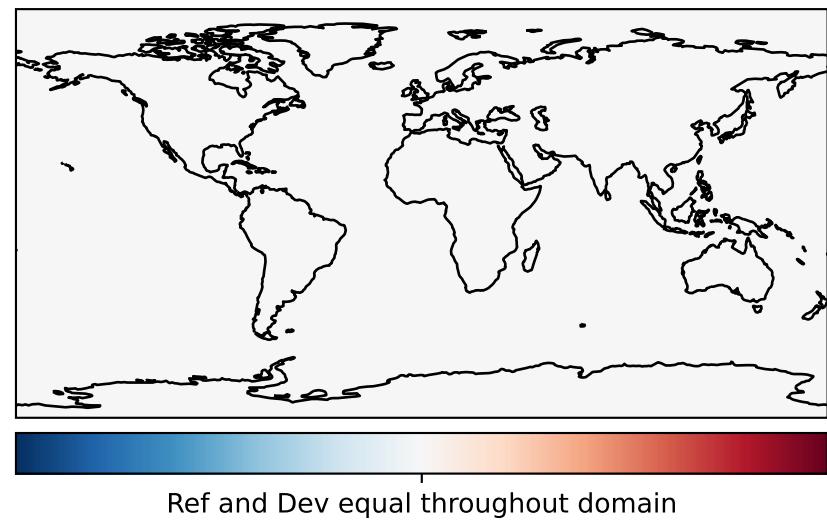
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

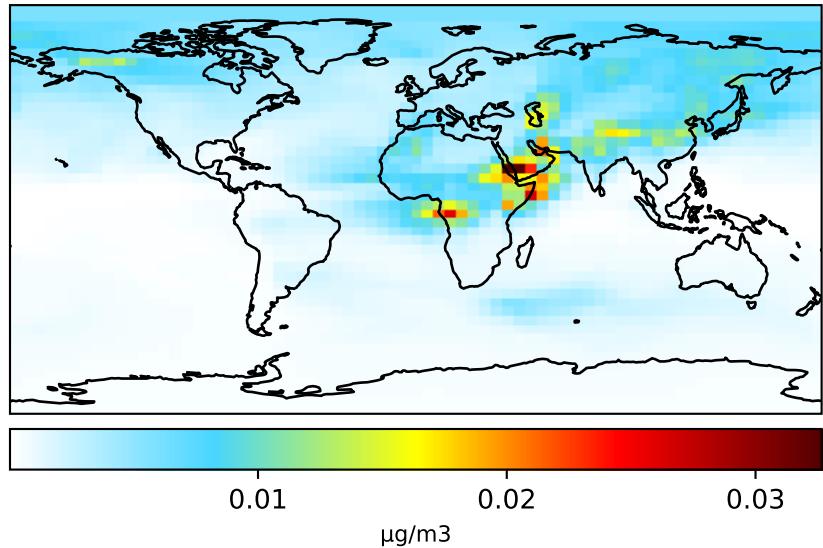


Ratio  
Dev/Ref, Fixed Range

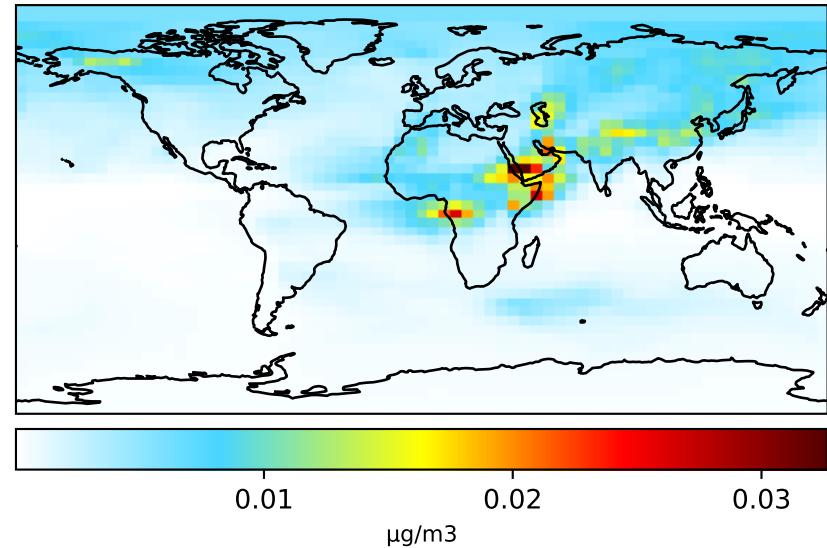


# SpeciesConcVV\_BCPI

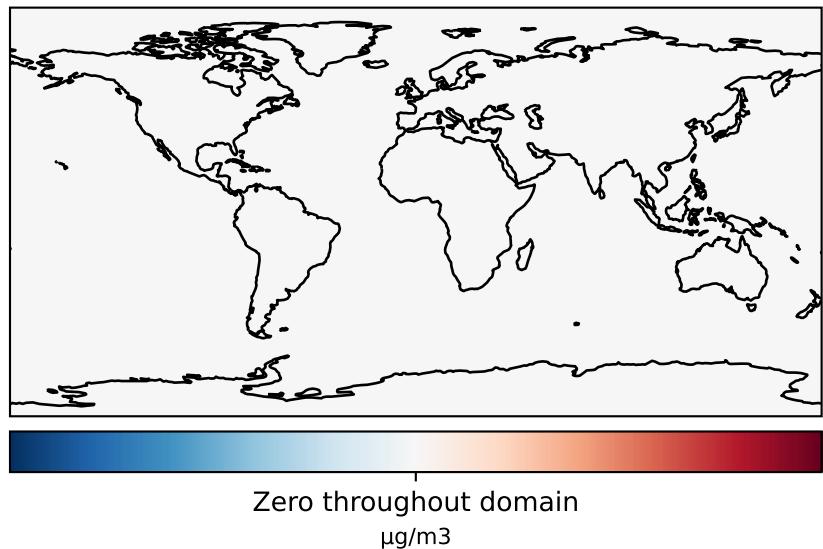
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



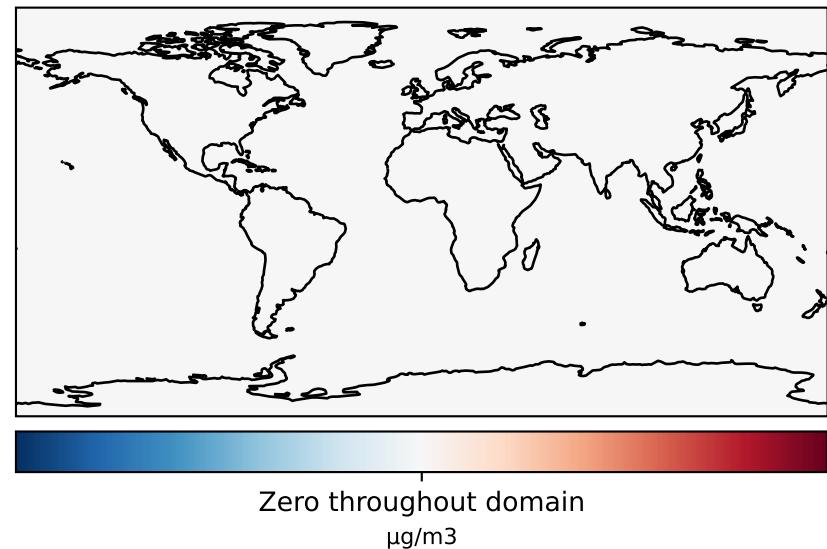
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



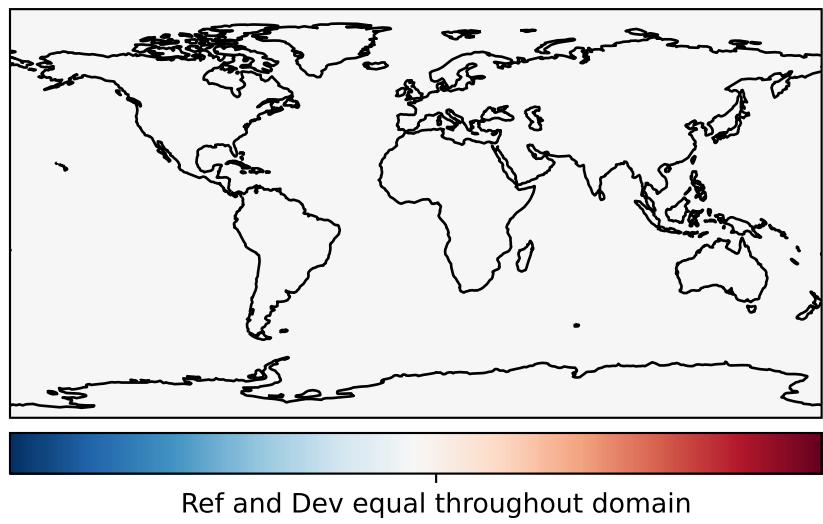
Difference  
Dev - Ref, Dynamic Range



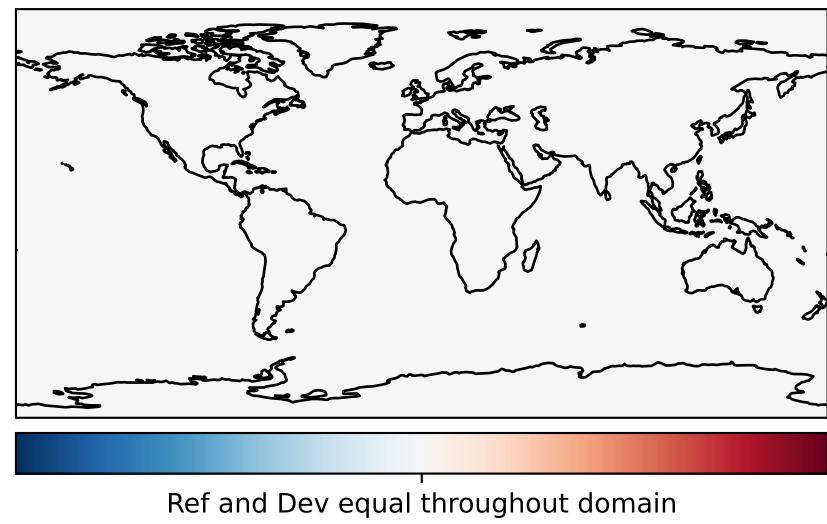
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

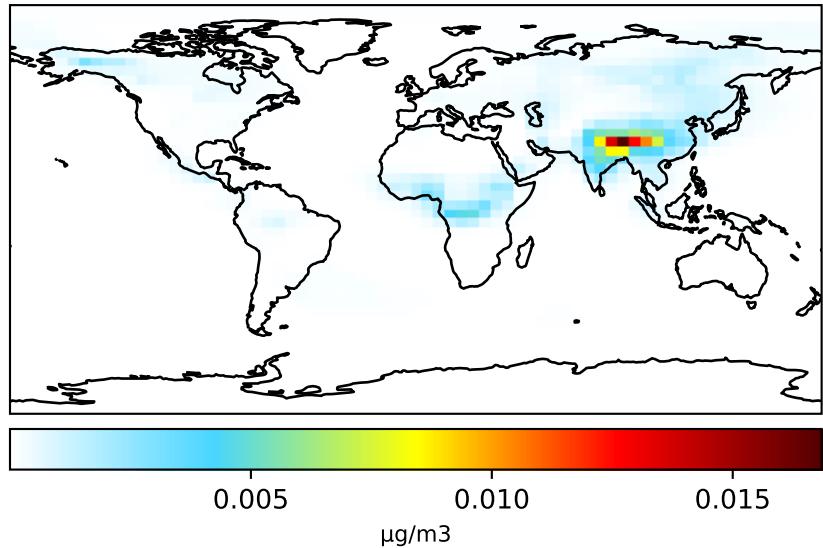


Ratio  
Dev/Ref, Fixed Range

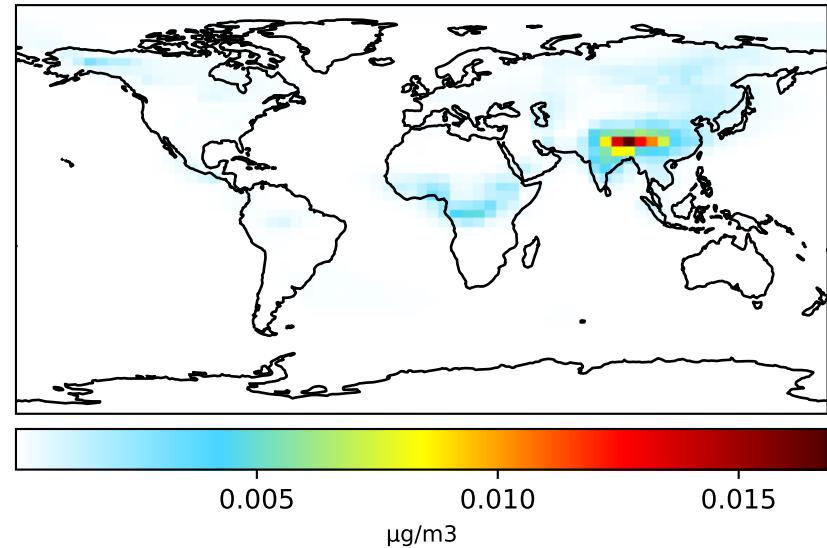


# SpeciesConcVV\_BCPO

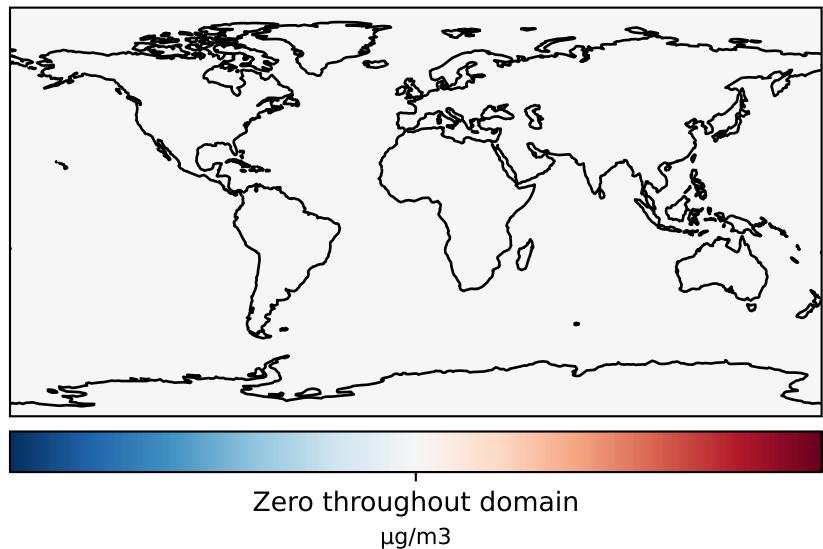
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



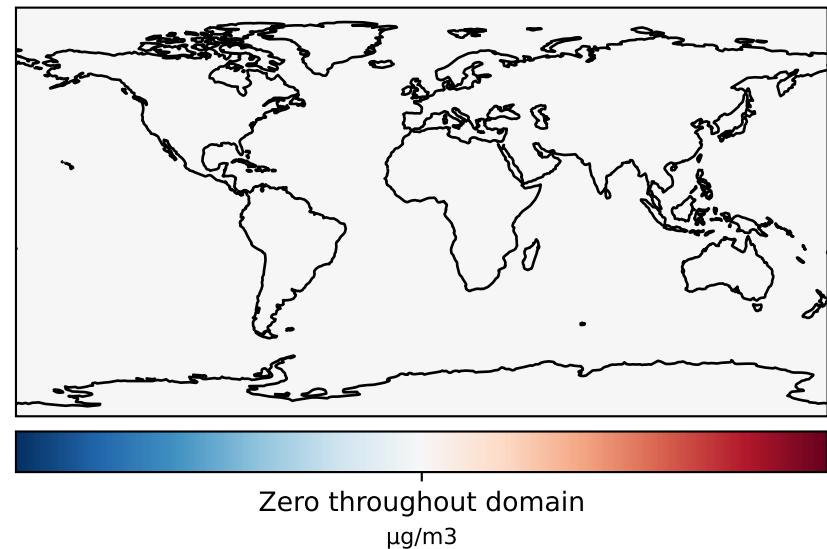
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



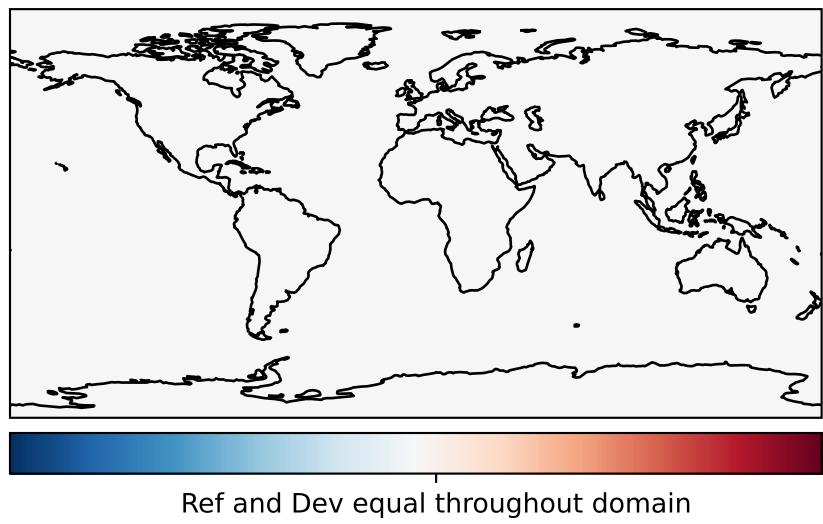
Difference  
Dev - Ref, Dynamic Range



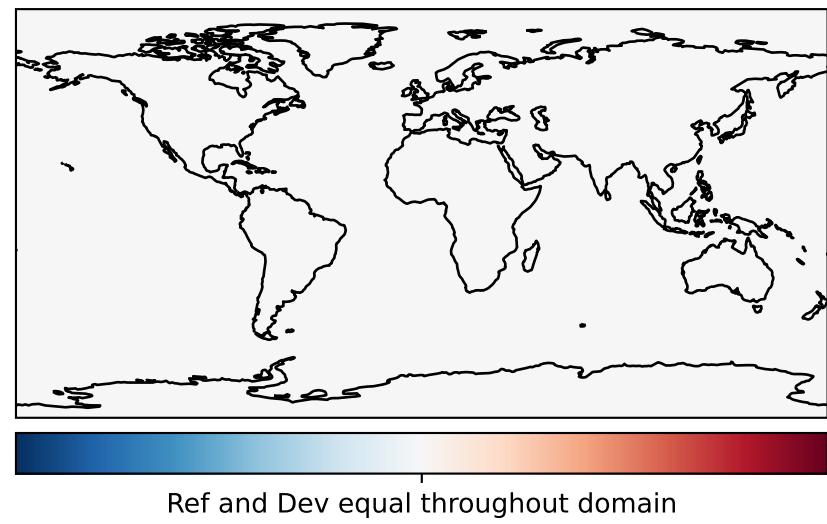
Difference  
Dev - Ref, Restricted Range [5%,95%]



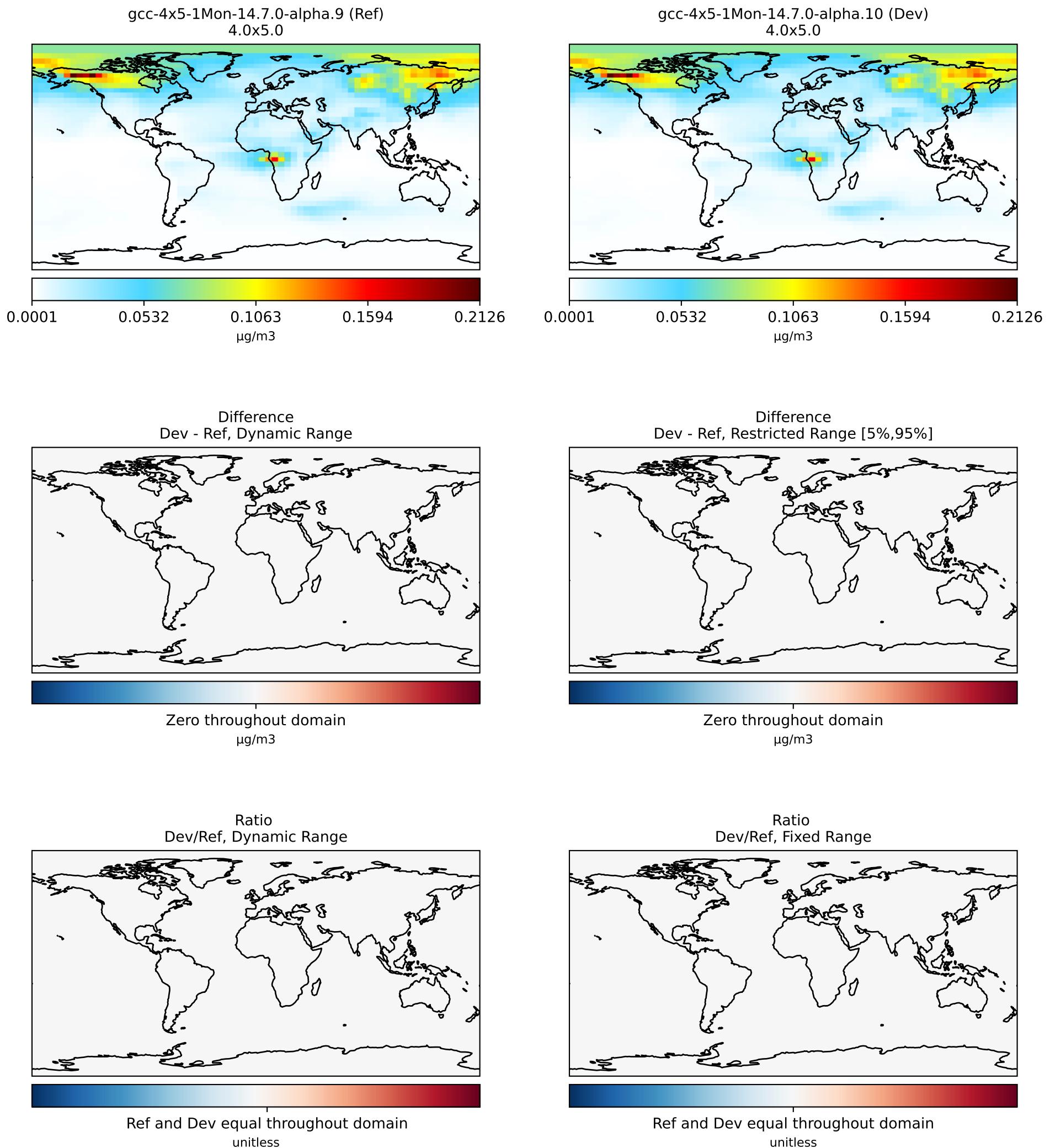
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

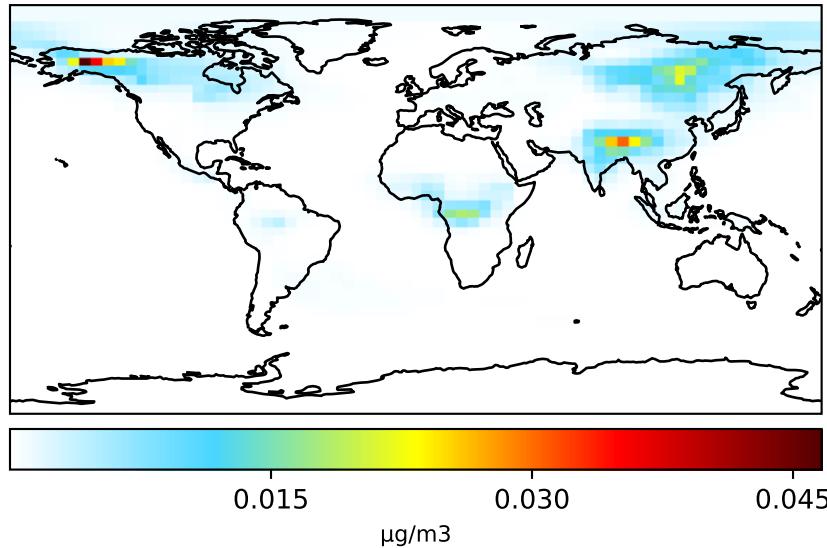


# SpeciesConcVV\_OCPI

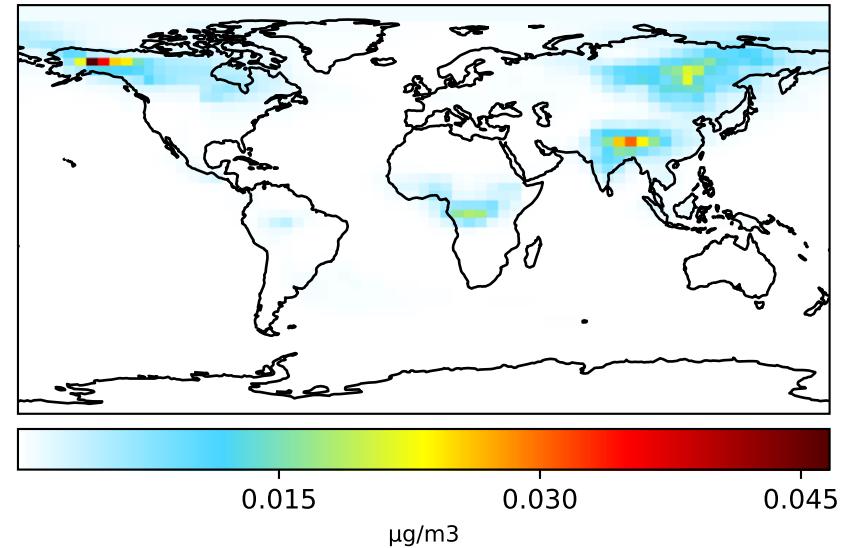


# SpeciesConcVV\_OCPO

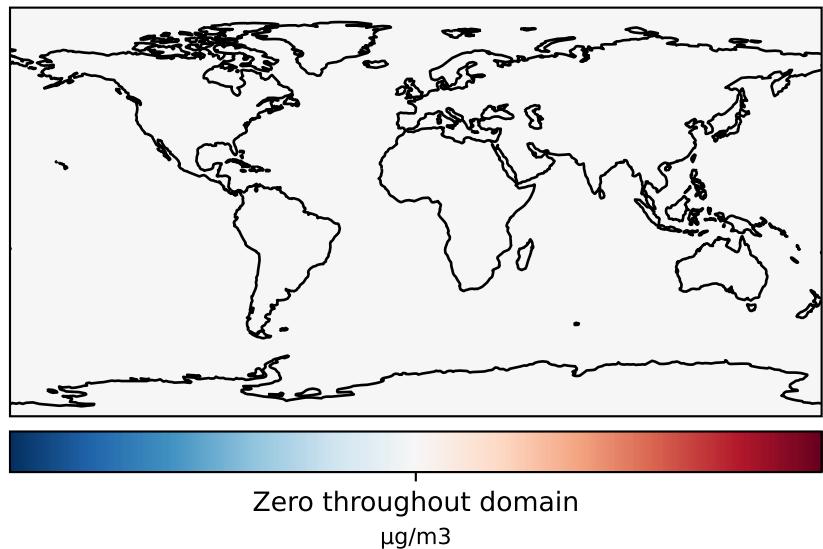
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



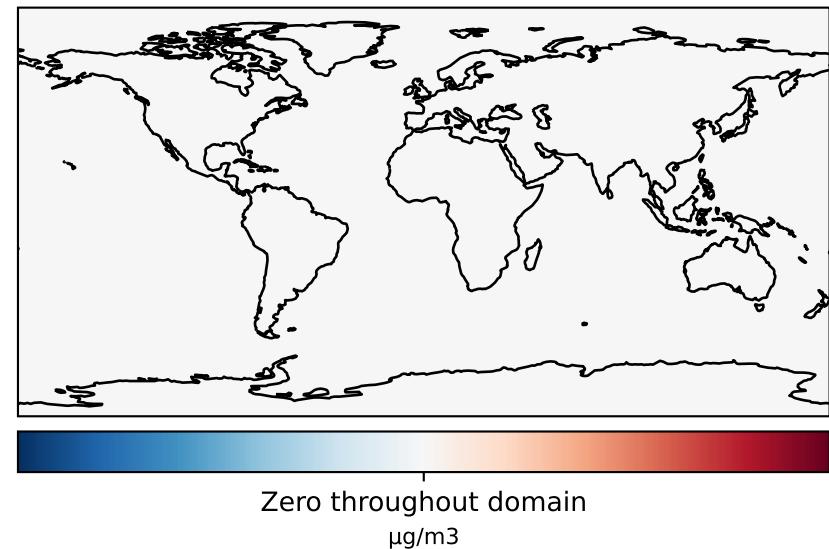
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



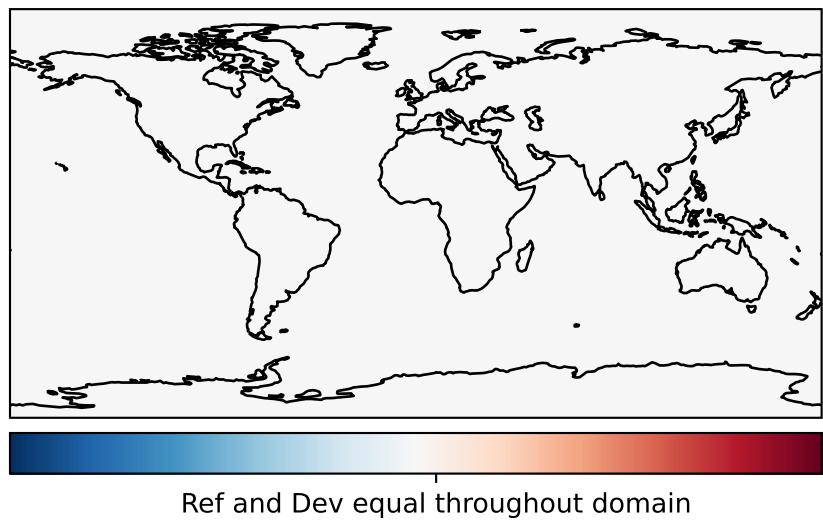
Difference  
Dev - Ref, Dynamic Range



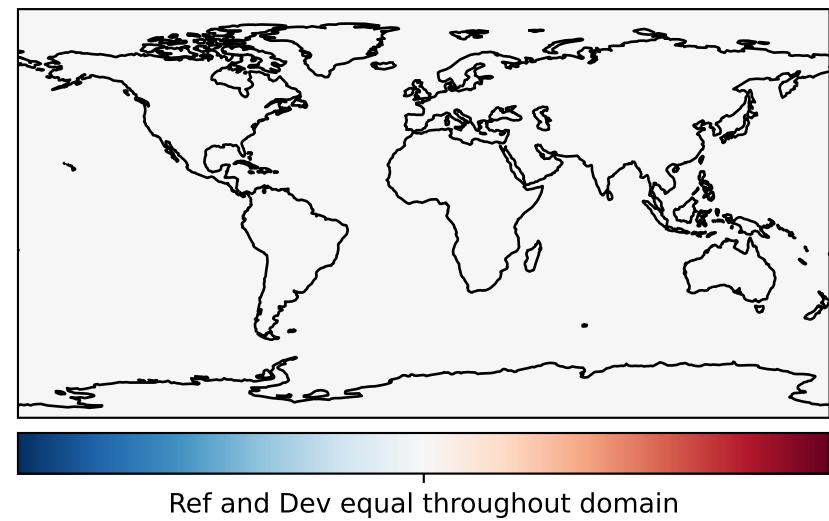
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

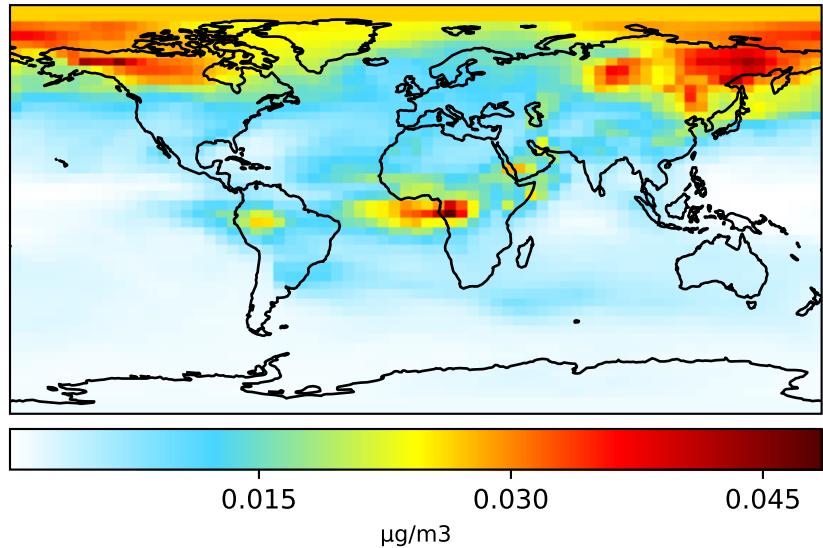


Ratio  
Dev/Ref, Fixed Range

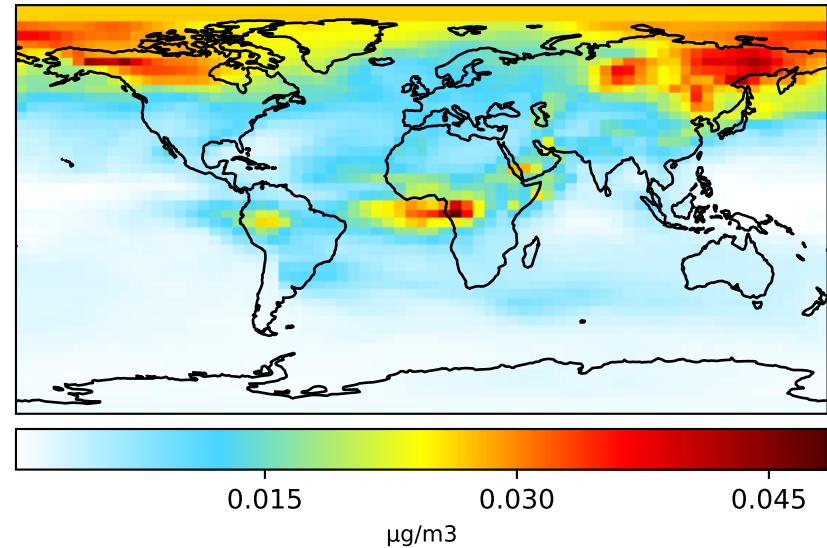


# SpeciesConcVV\_Complex\_SOA

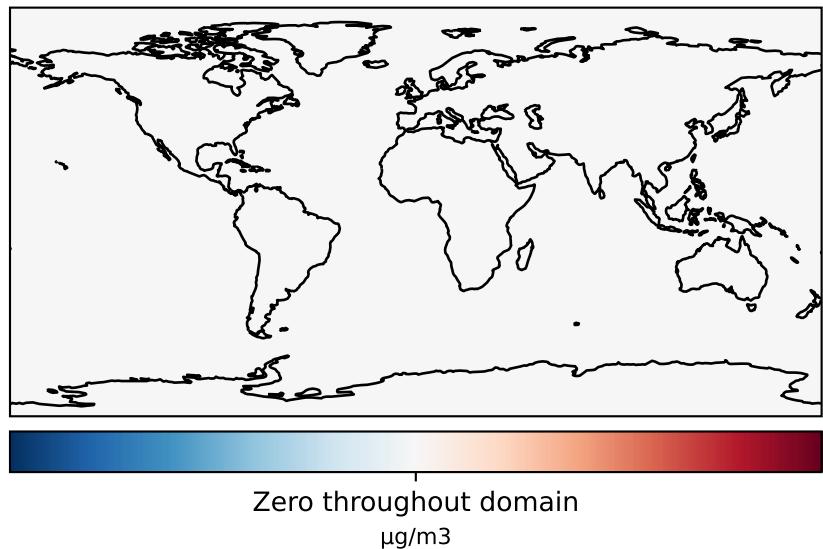
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



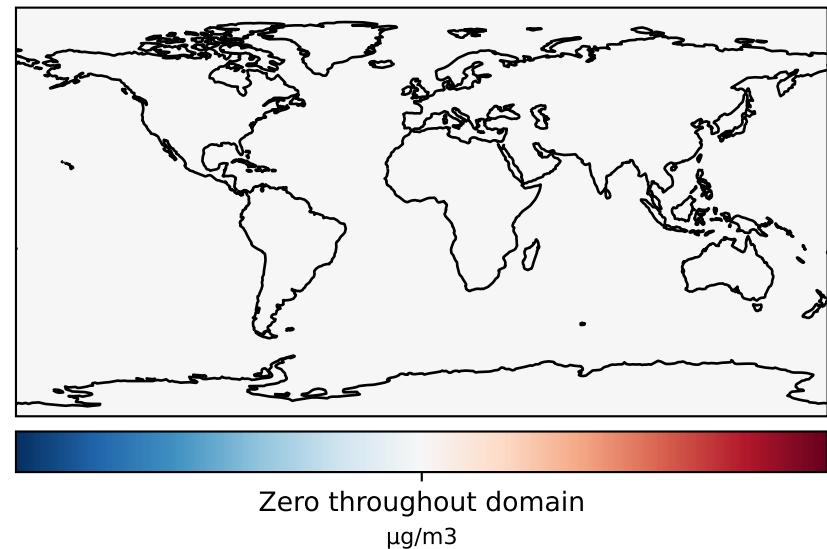
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



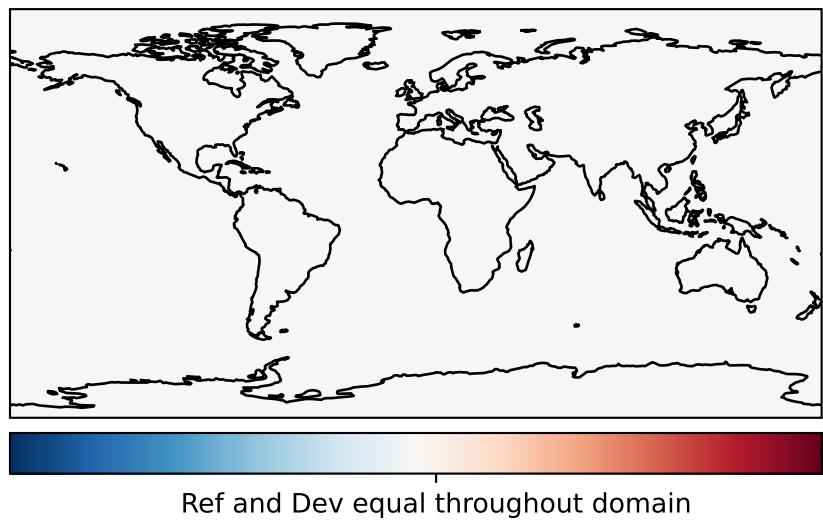
Difference  
Dev - Ref, Dynamic Range



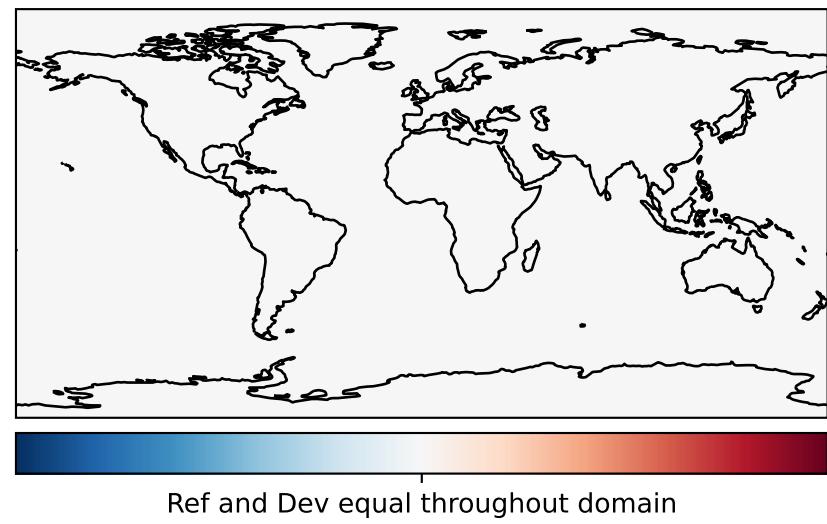
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

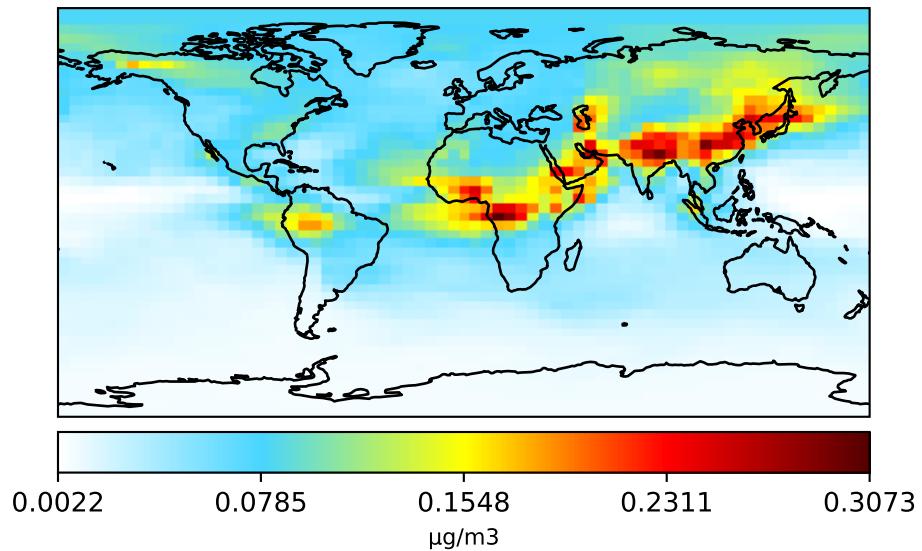


Ratio  
Dev/Ref, Fixed Range

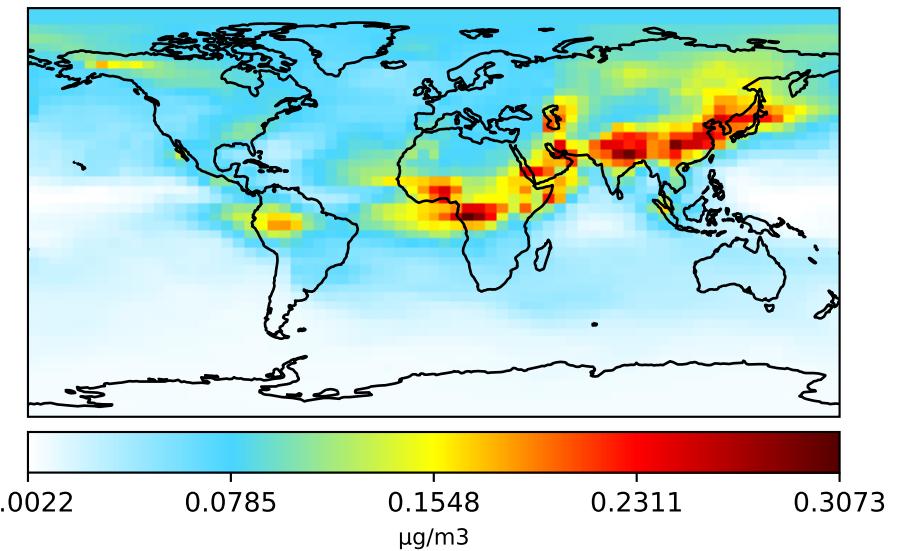


# SpeciesConcVV\_Simple\_SOA

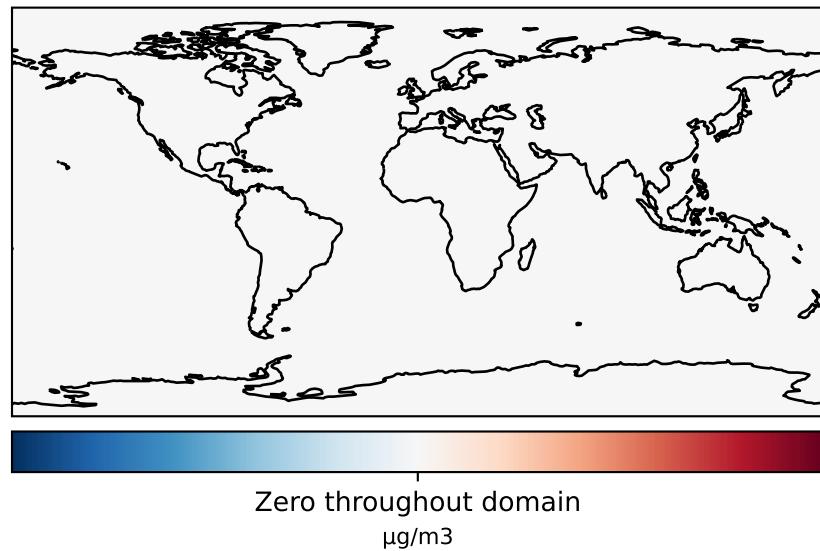
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



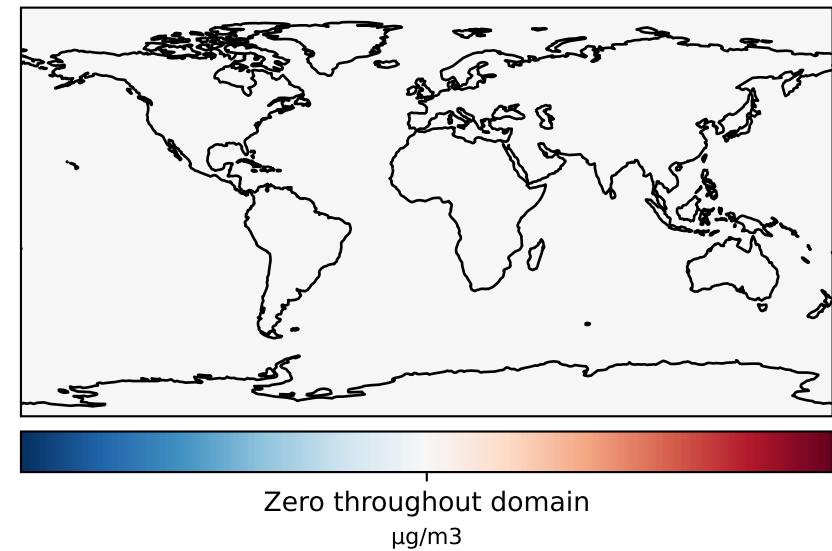
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



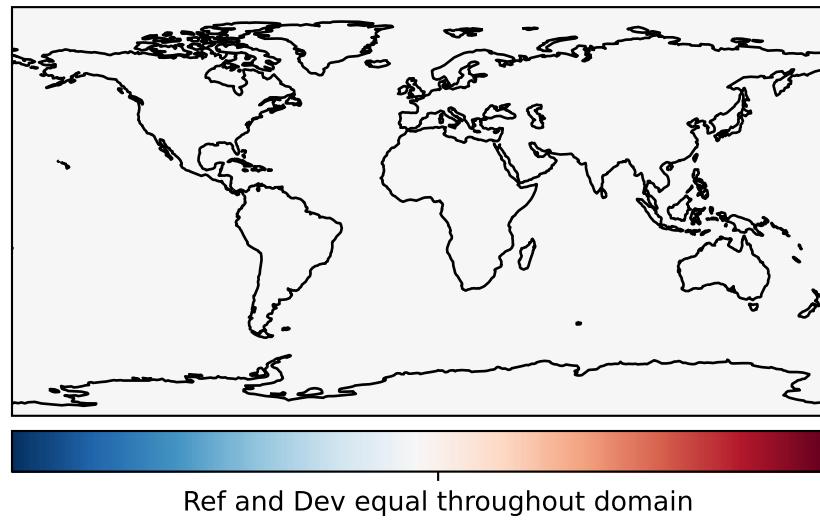
Difference  
Dev - Ref, Dynamic Range



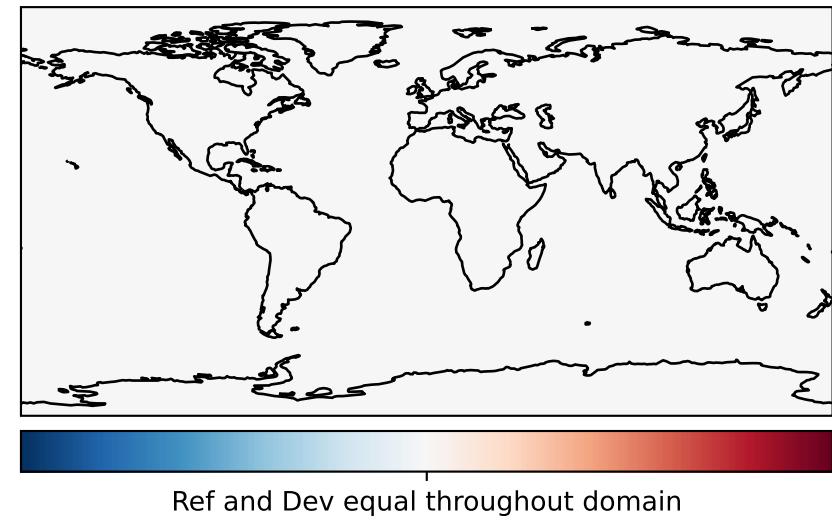
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

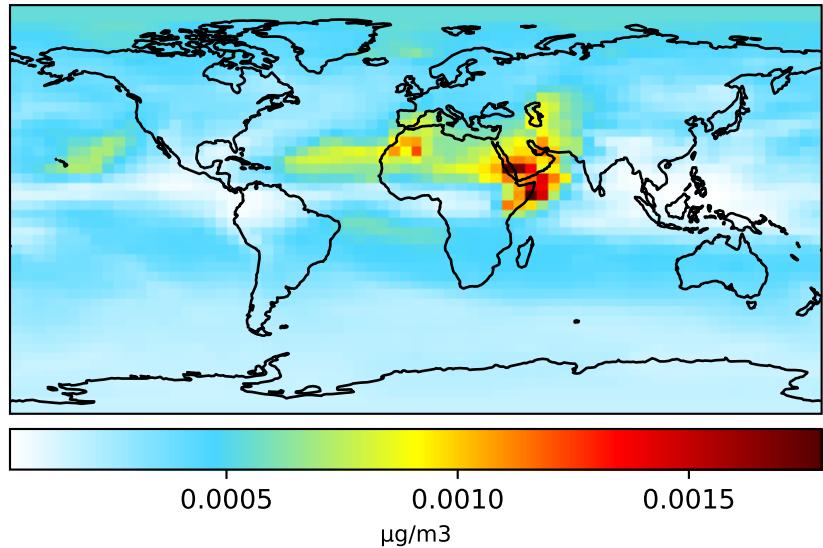


Ratio  
Dev/Ref, Fixed Range

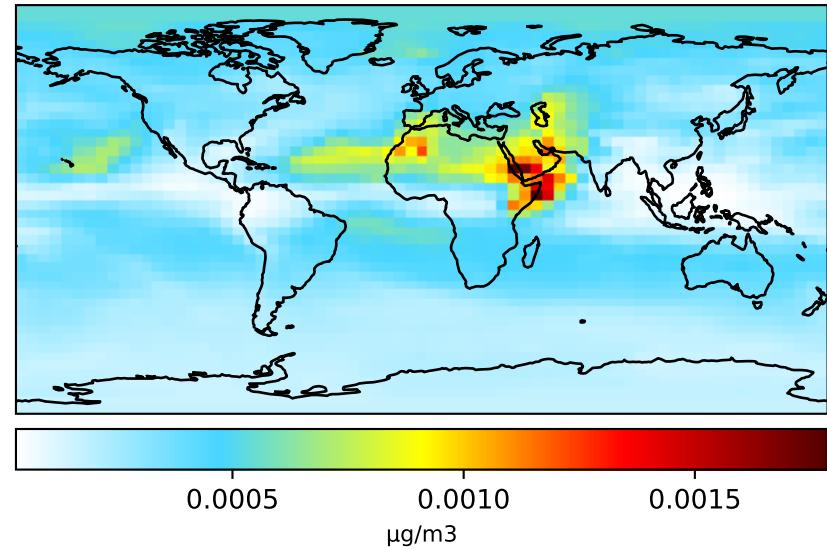


# SpeciesConcVV\_AERI

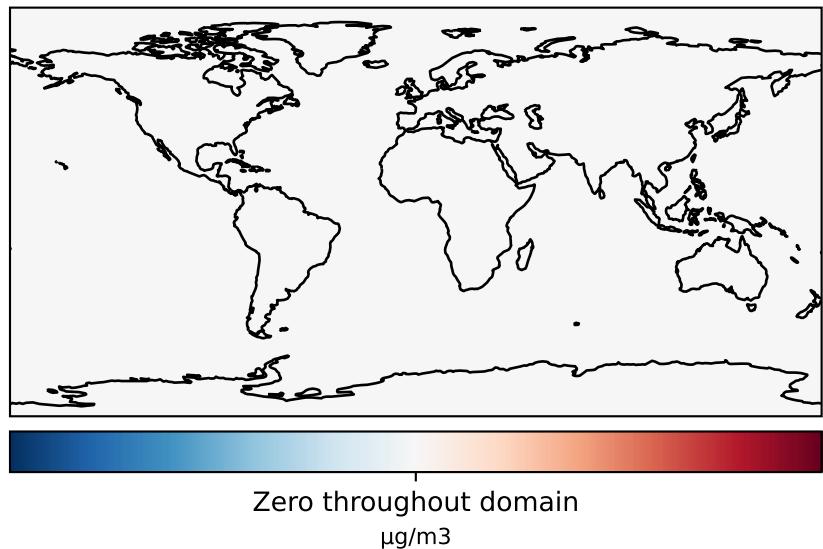
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



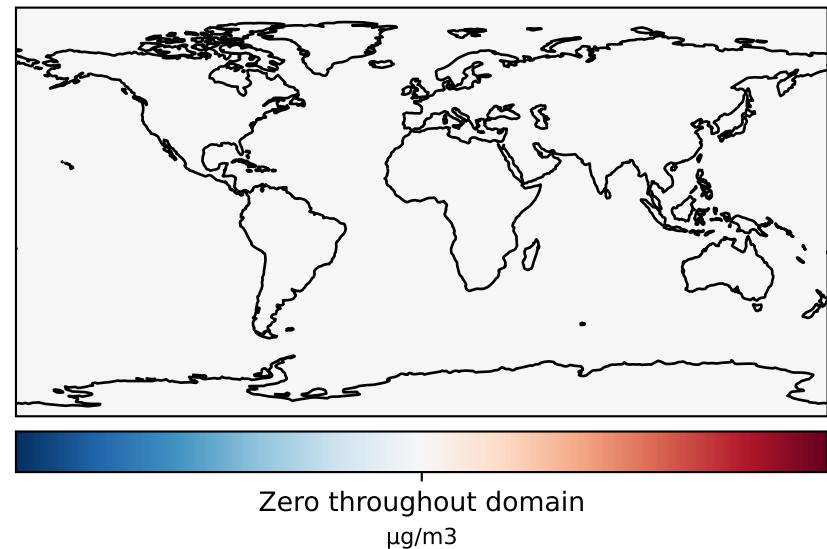
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



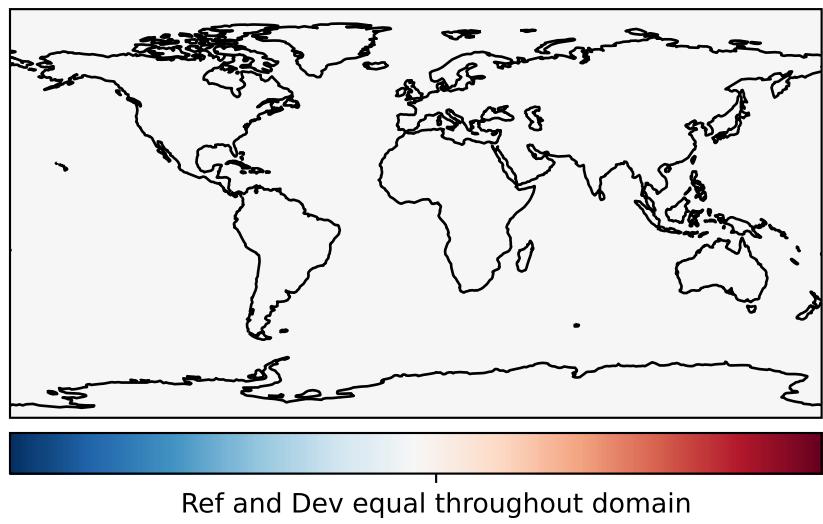
Difference  
Dev - Ref, Dynamic Range



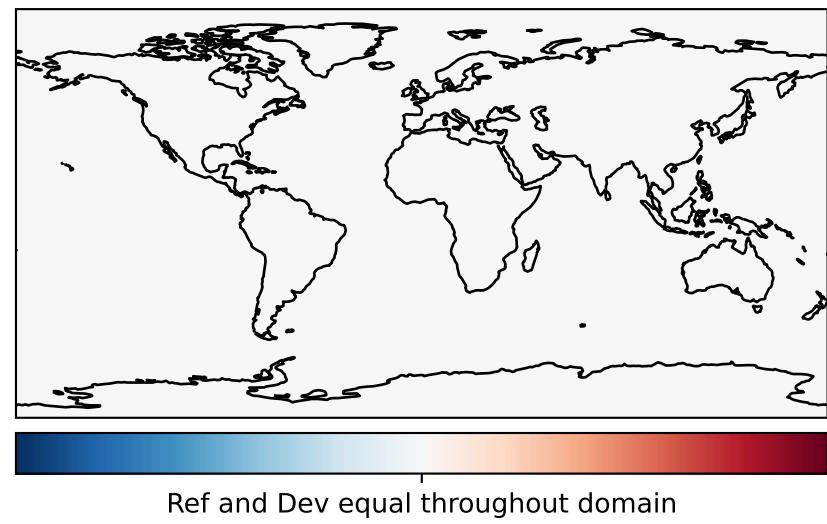
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

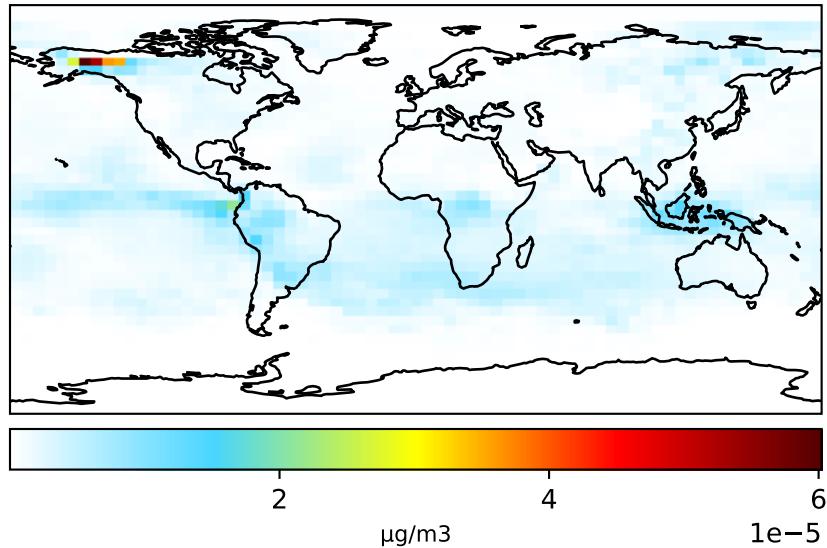


Ratio  
Dev/Ref, Fixed Range

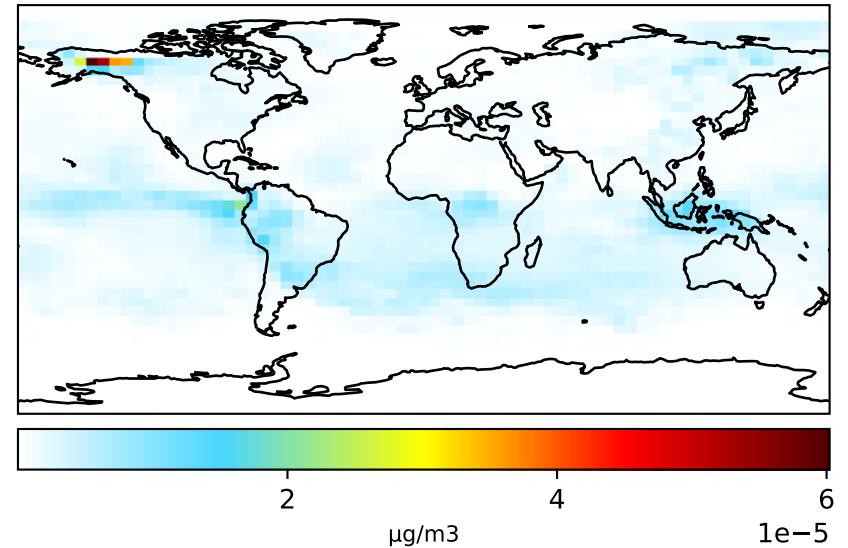


# SpeciesConcVV\_BrSALA

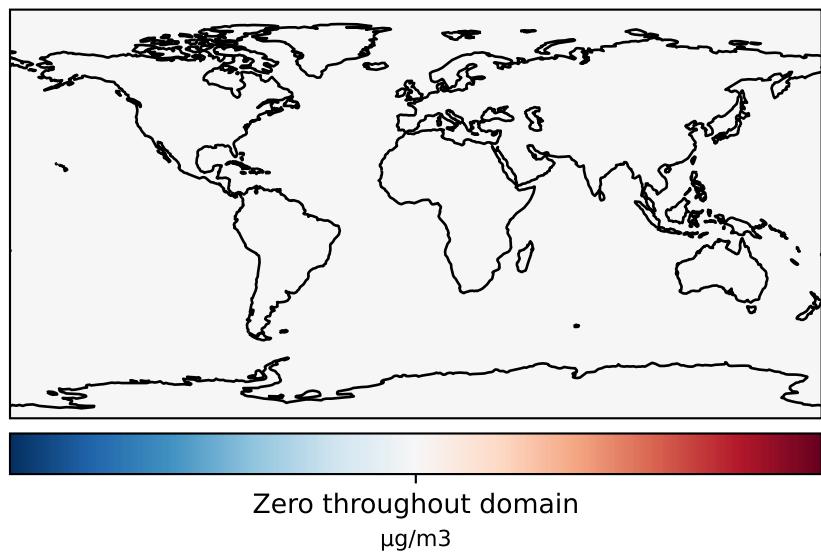
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



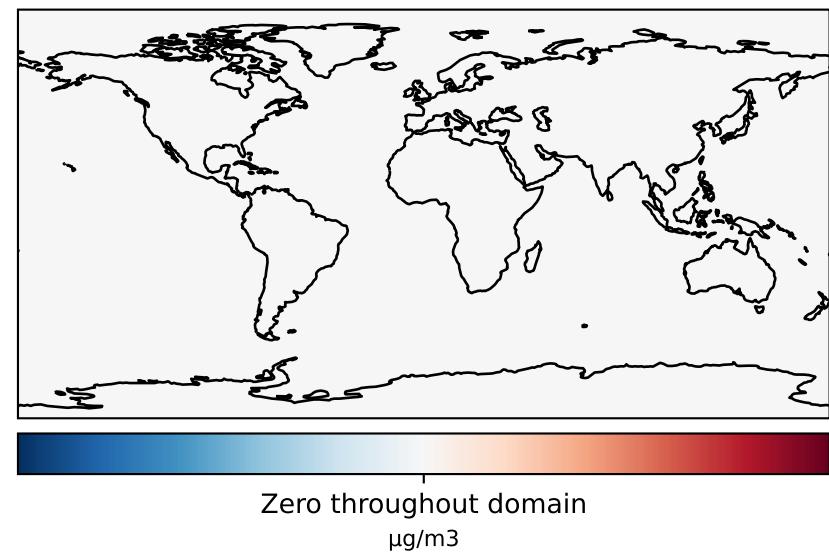
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



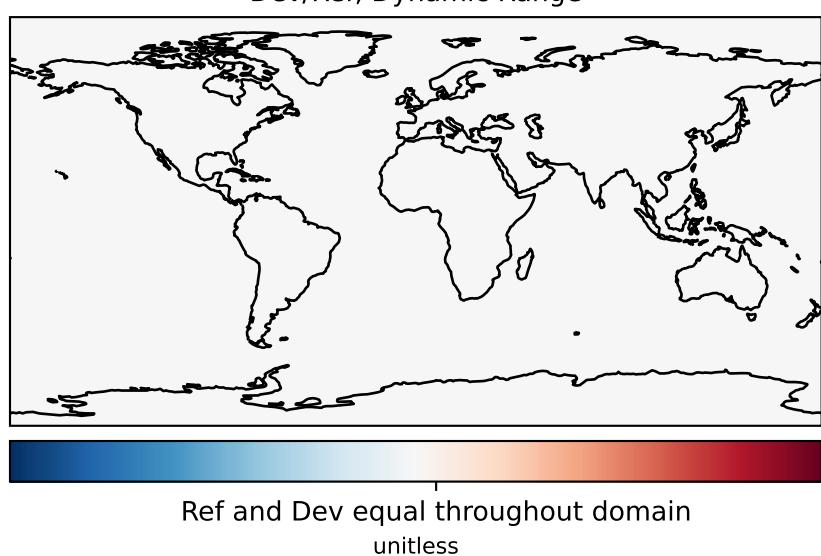
Difference  
Dev - Ref, Dynamic Range



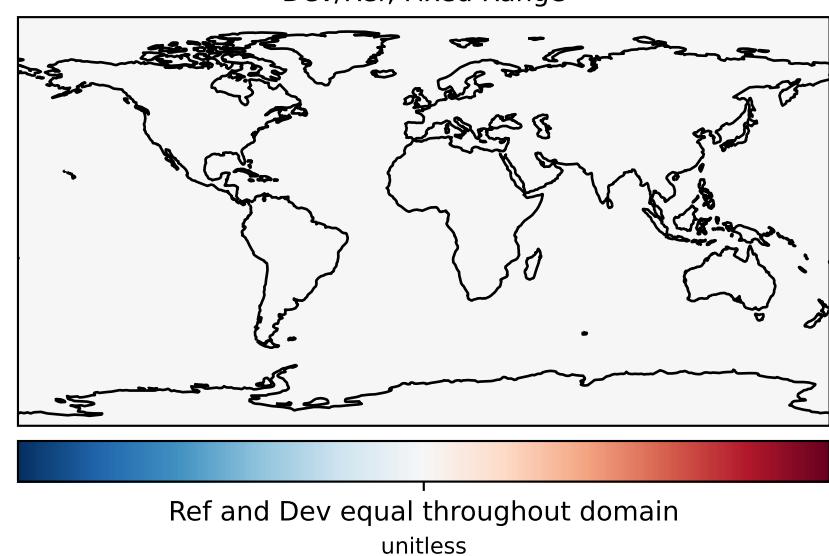
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Ratio  
Dev/Ref, Dynamic Range

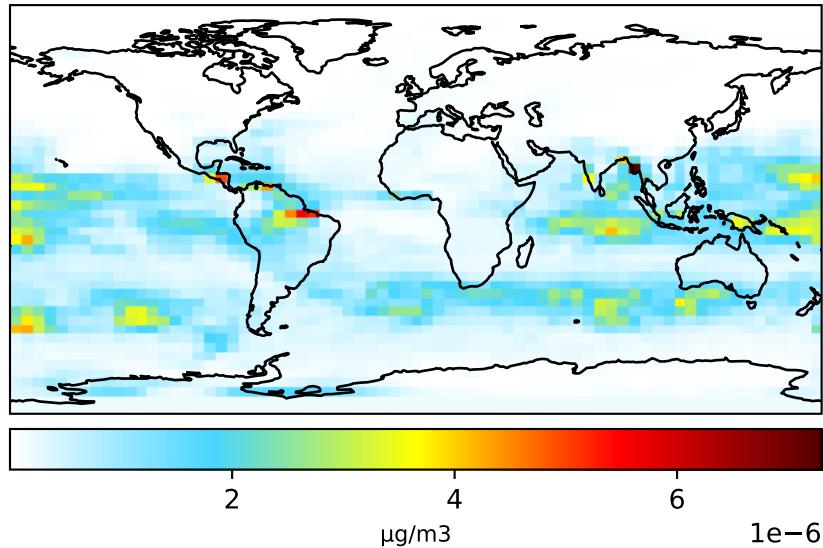


Ratio  
Dev/Ref, Fixed Range

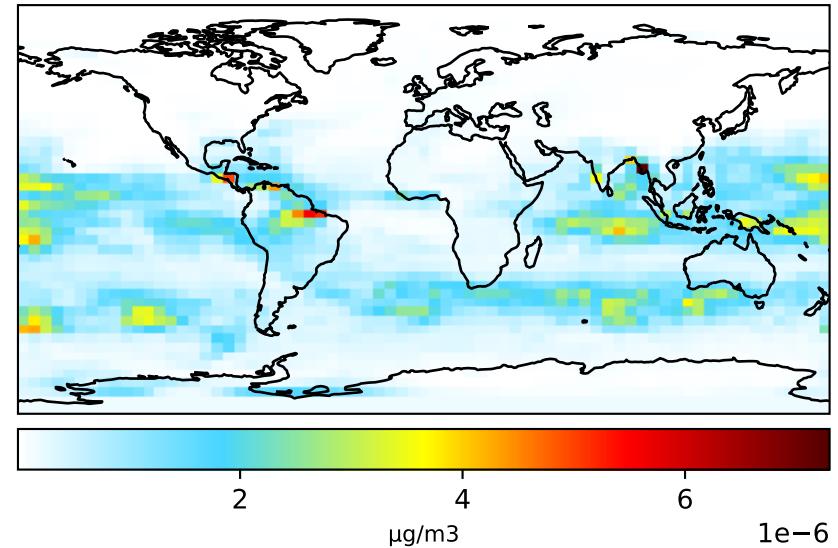


# SpeciesConcVV\_BrSALC

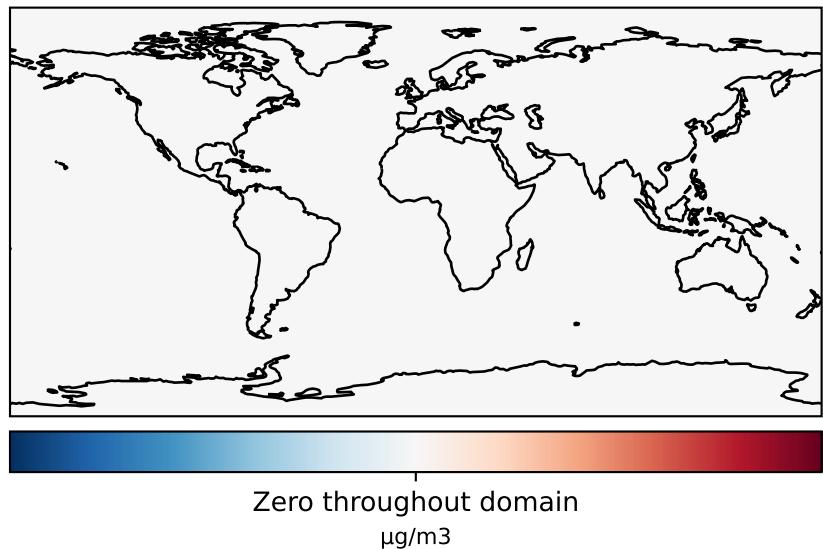
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



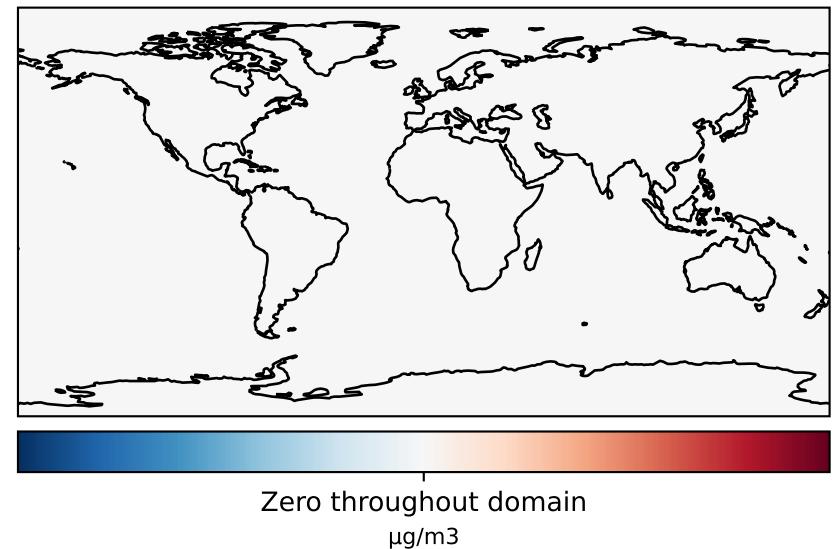
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



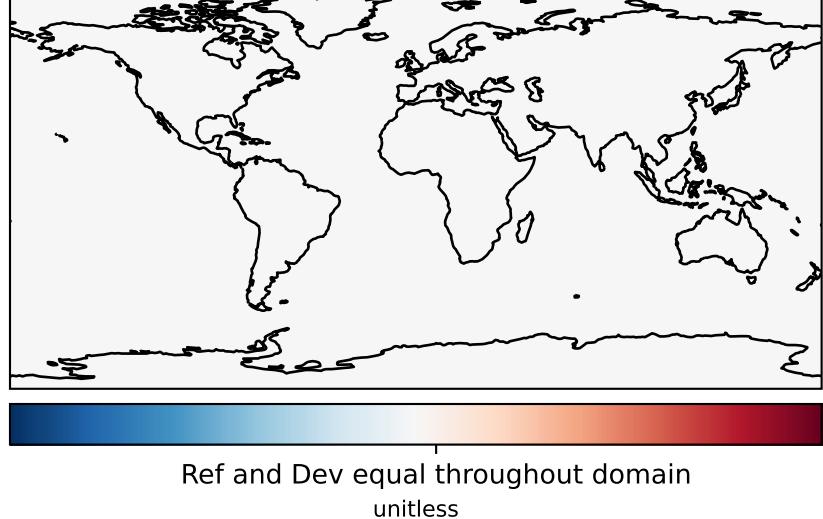
Difference  
Dev - Ref, Dynamic Range



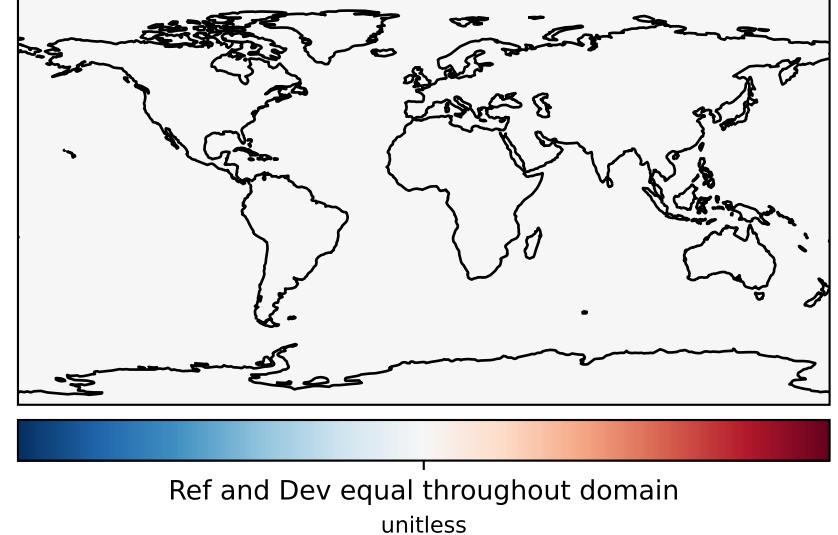
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Ratio  
Dev/Ref, Dynamic Range

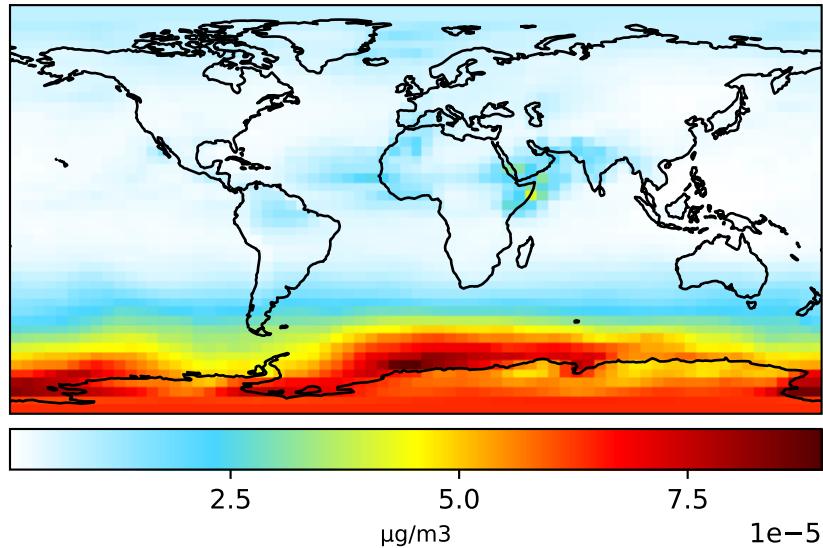


Ratio  
Dev/Ref, Fixed Range

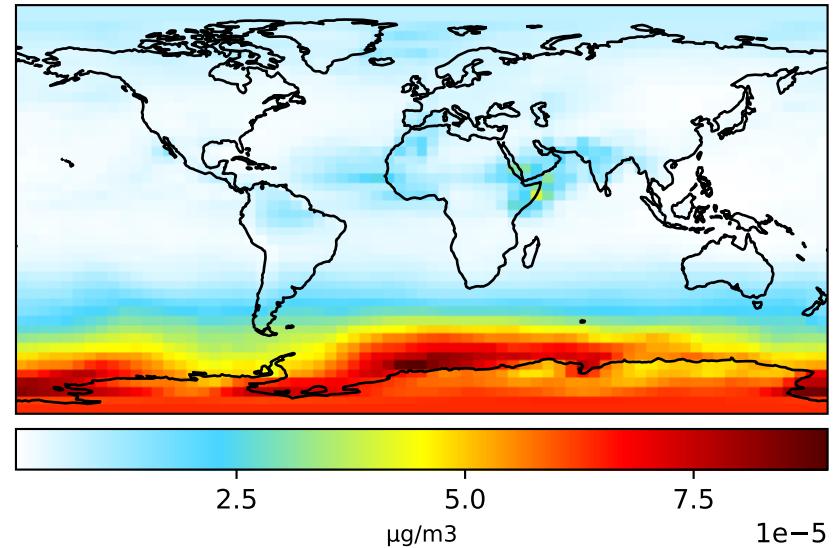


# SpeciesConcVV\_ISALA

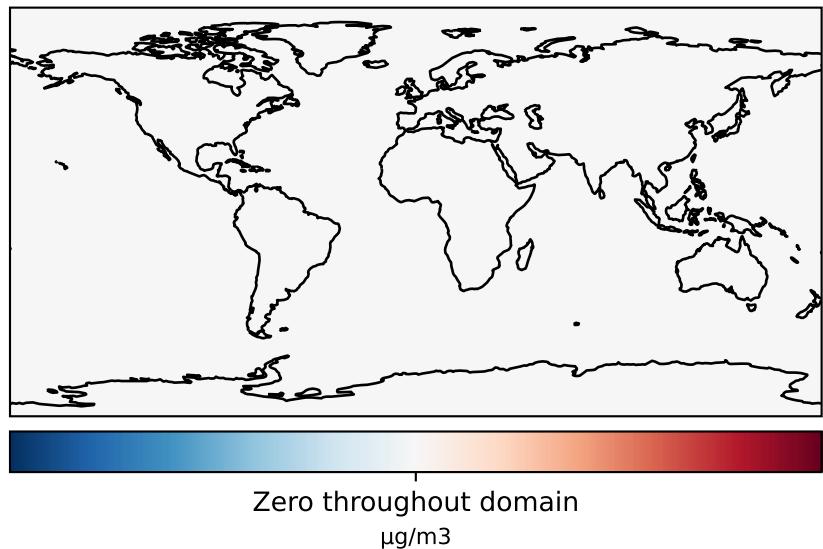
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



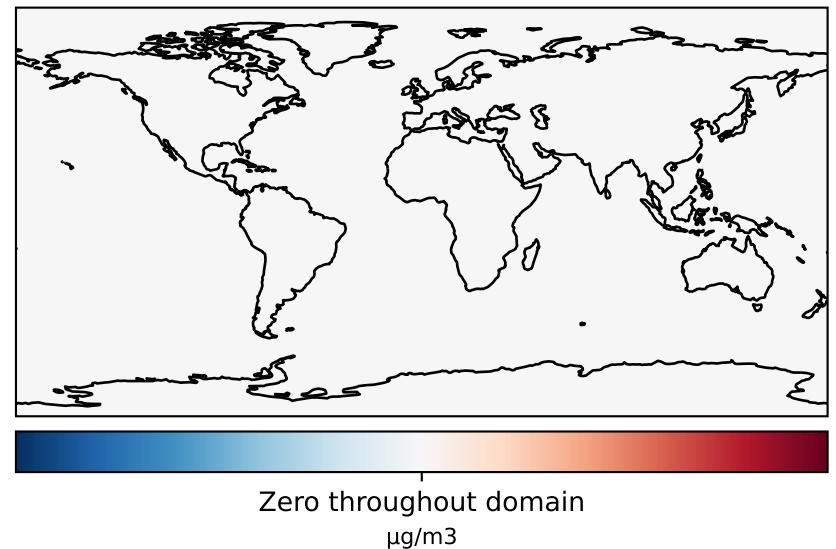
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



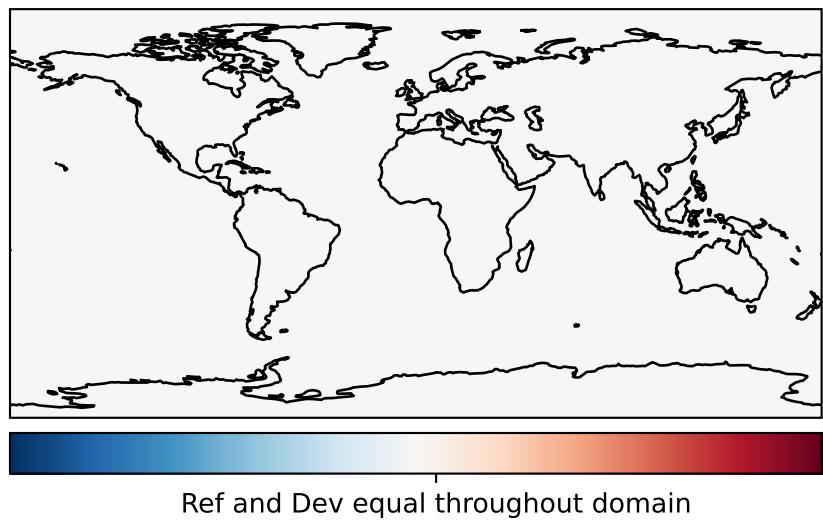
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

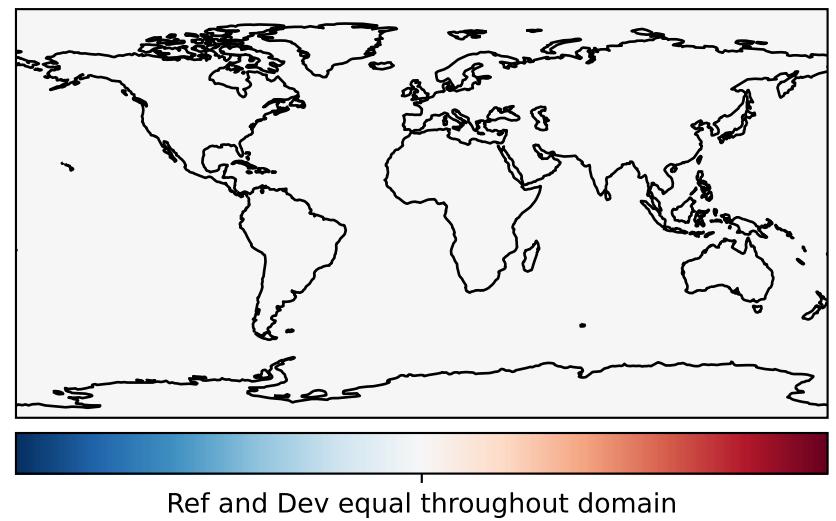
Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

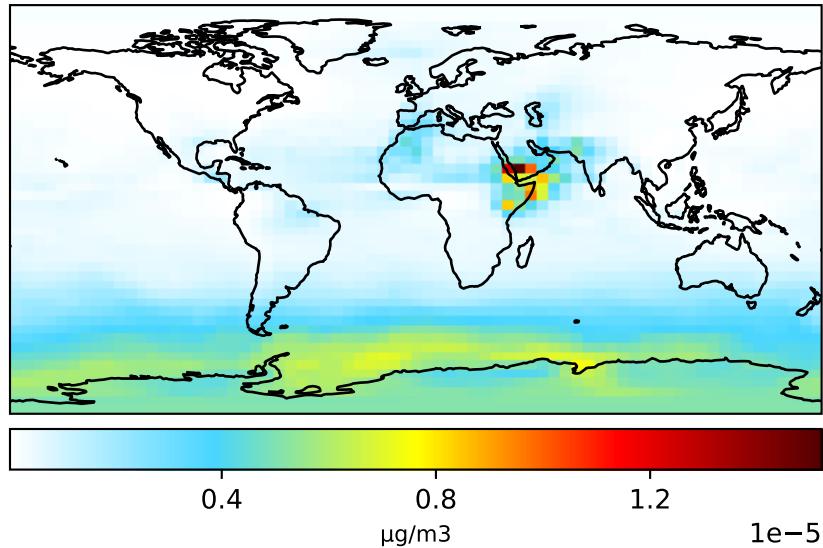
Ratio  
Dev/Ref, Fixed Range



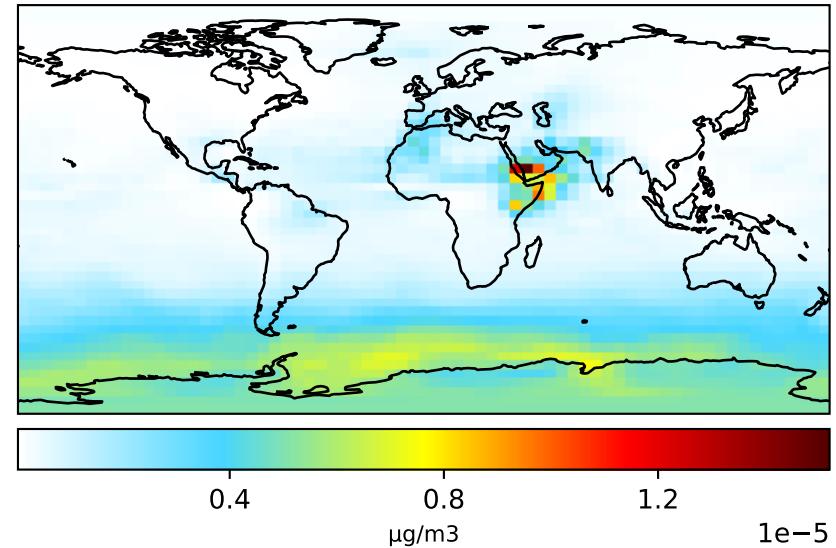
Ref and Dev equal throughout domain  
unitless

# SpeciesConcVV\_ISALC

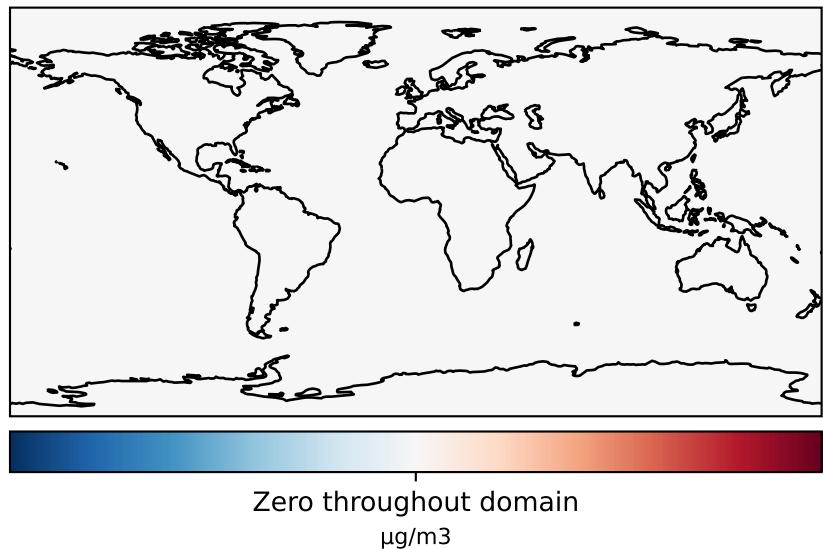
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



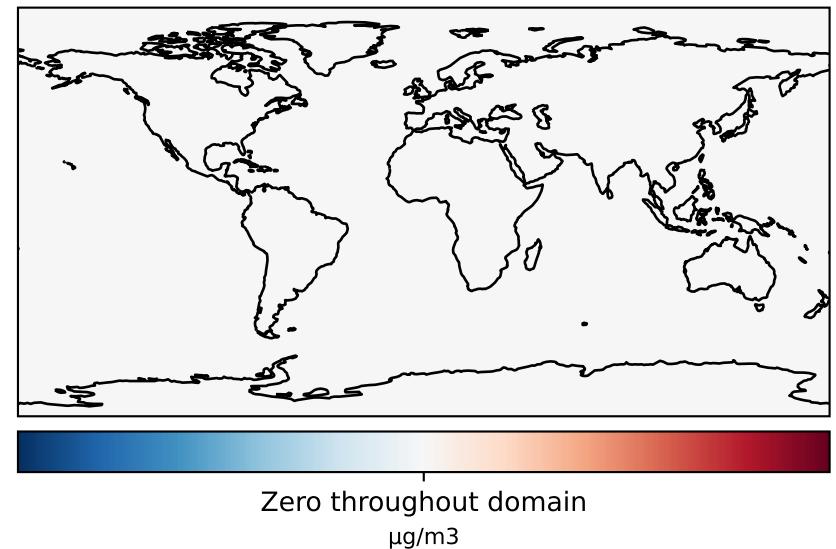
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



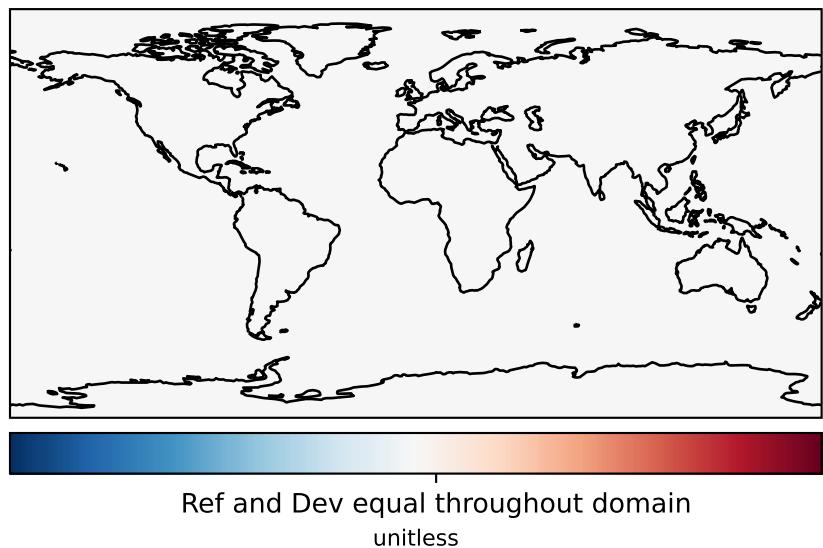
Difference  
Dev - Ref, Dynamic Range



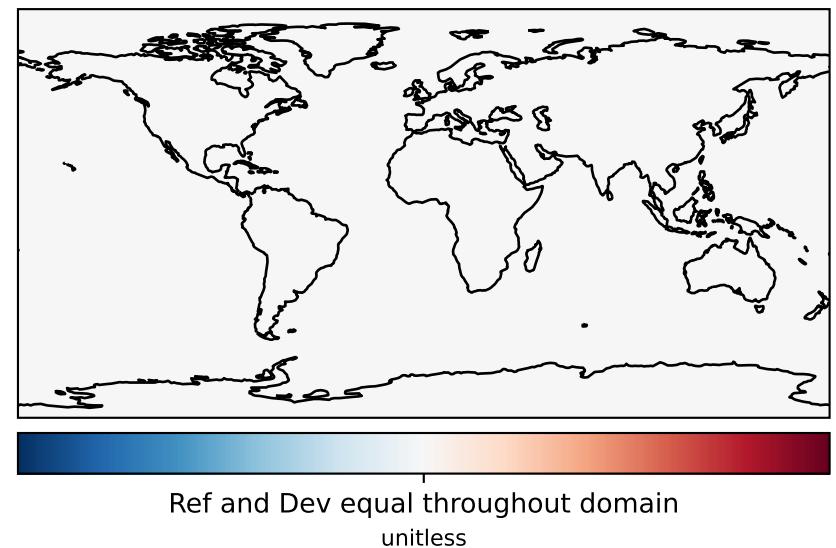
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

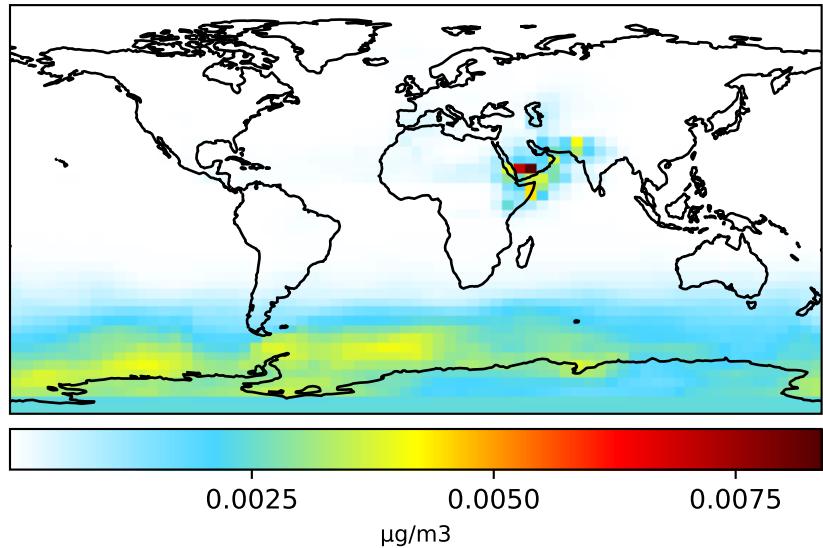


Ratio  
Dev/Ref, Fixed Range

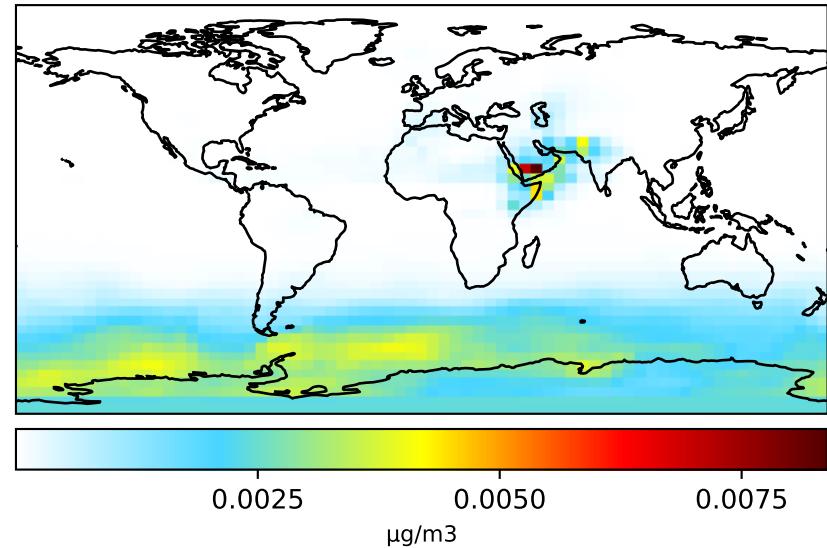


# SpeciesConcVV\_NITs

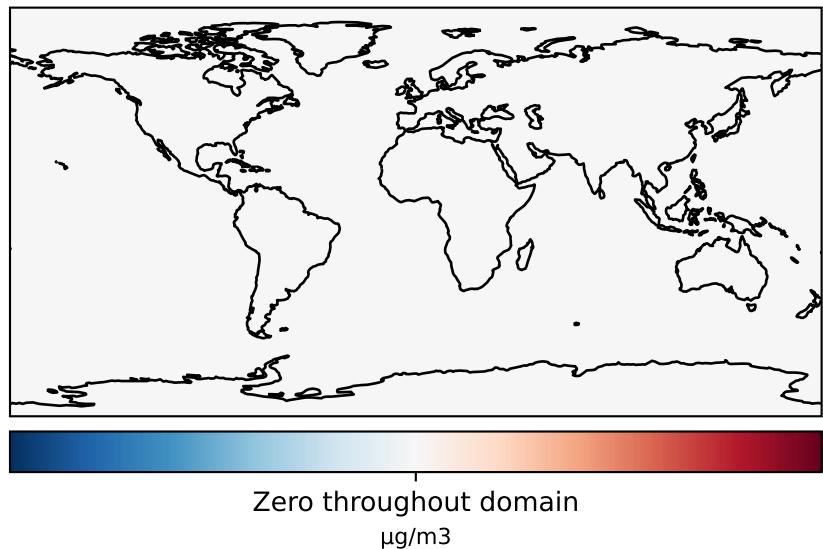
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



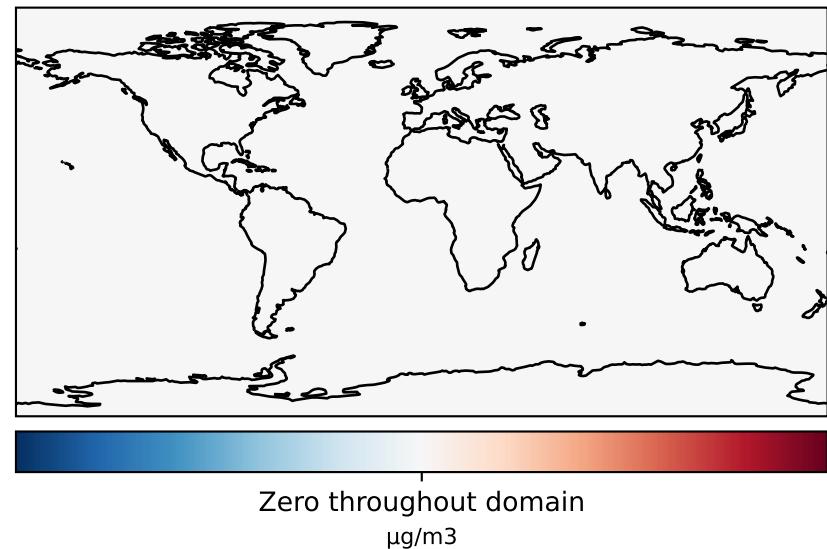
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



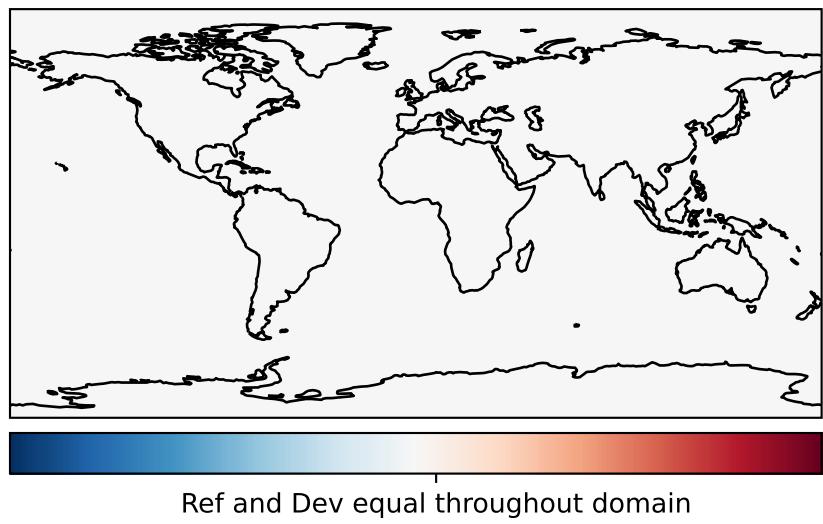
Difference  
Dev - Ref, Dynamic Range



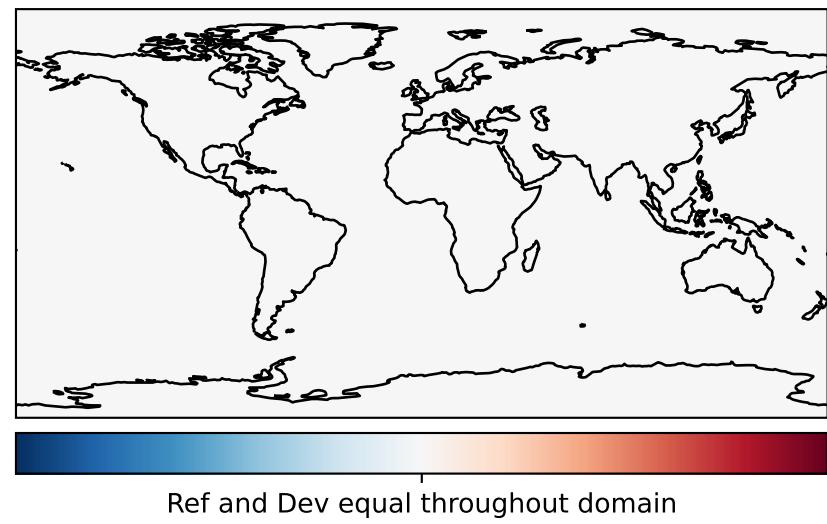
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

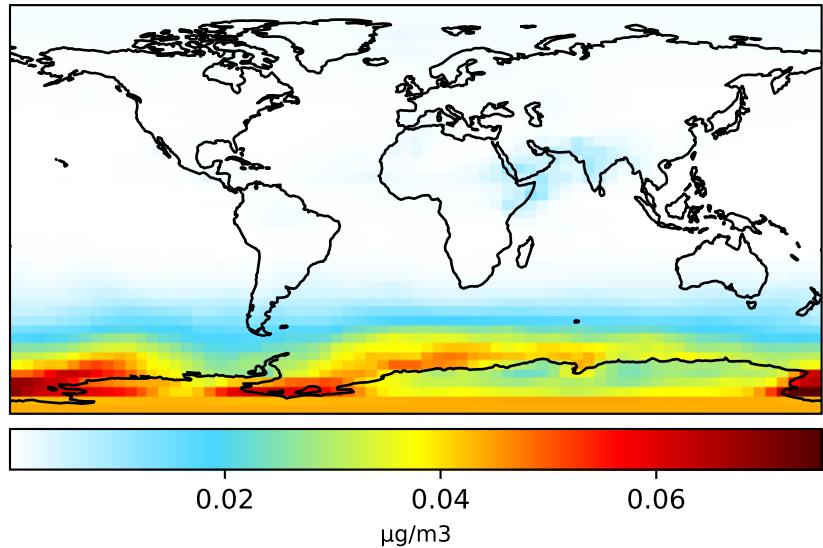


Ratio  
Dev/Ref, Fixed Range

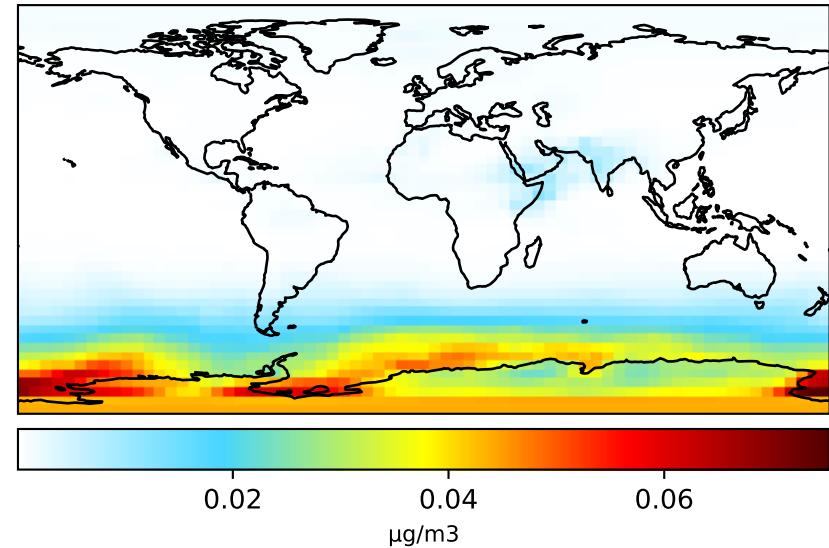


# SpeciesConcVV\_SALA

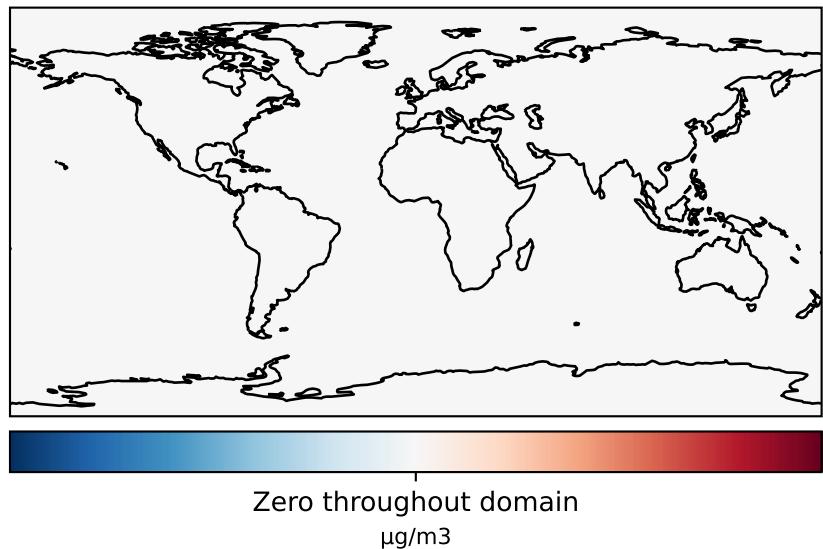
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



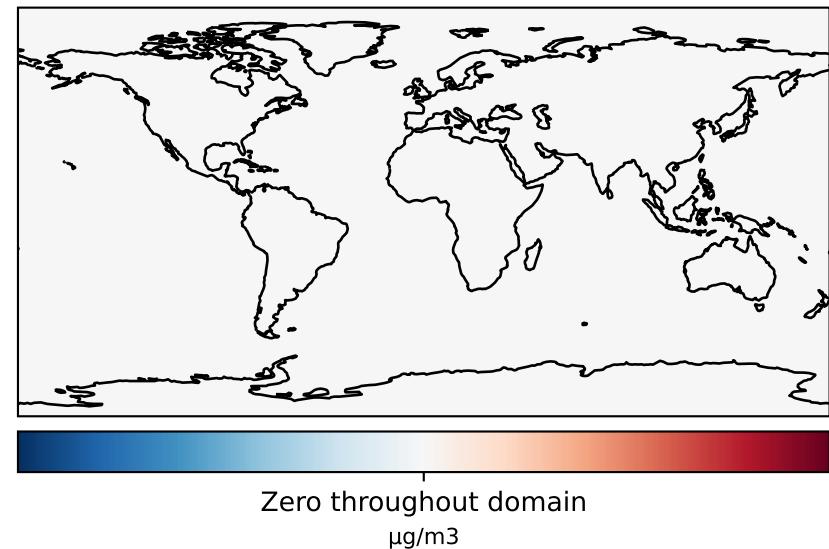
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



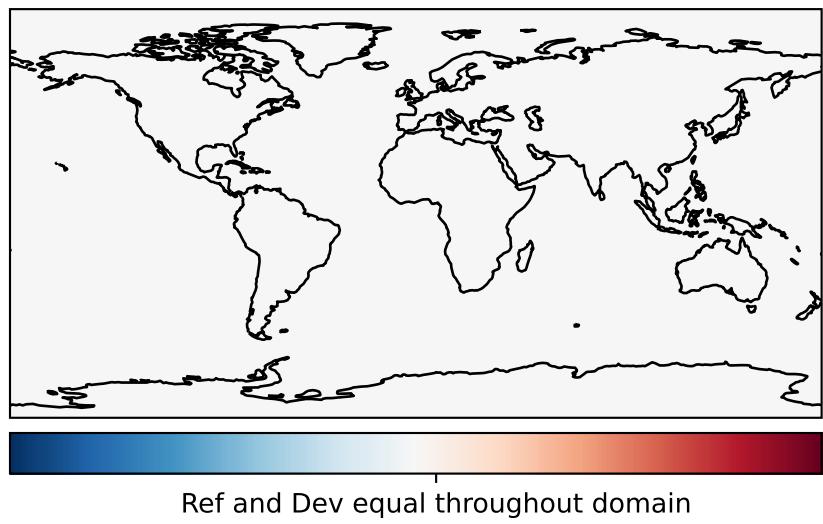
Difference  
Dev - Ref, Dynamic Range



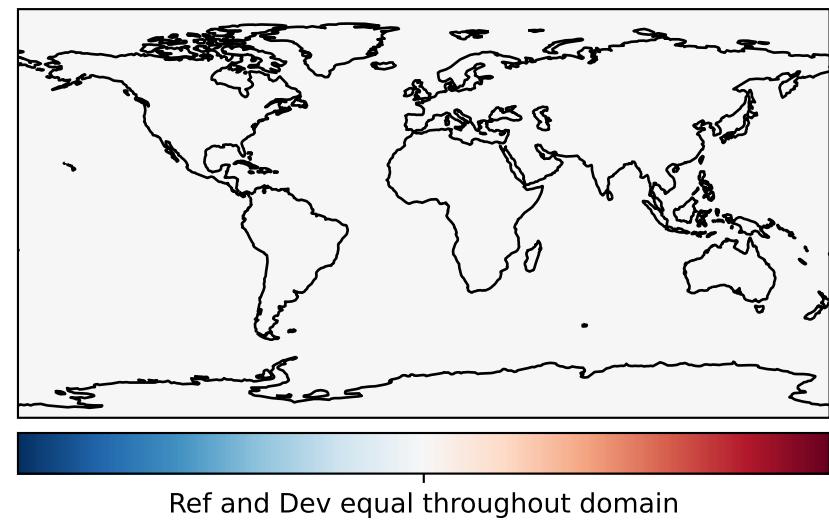
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

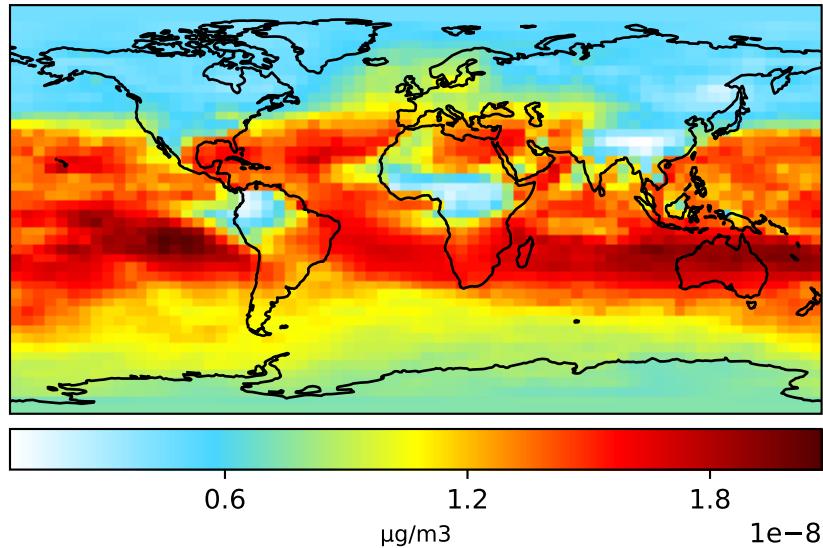


Ratio  
Dev/Ref, Fixed Range

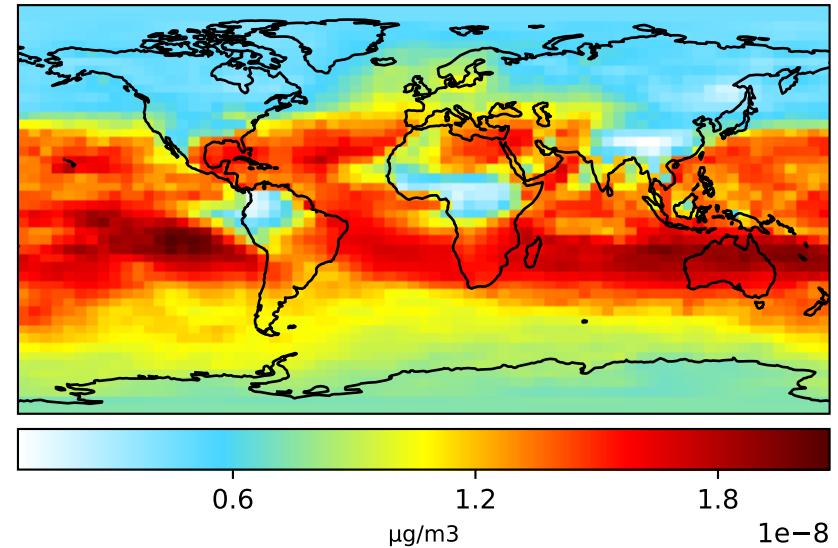


# SpeciesConcVV\_SALAAL

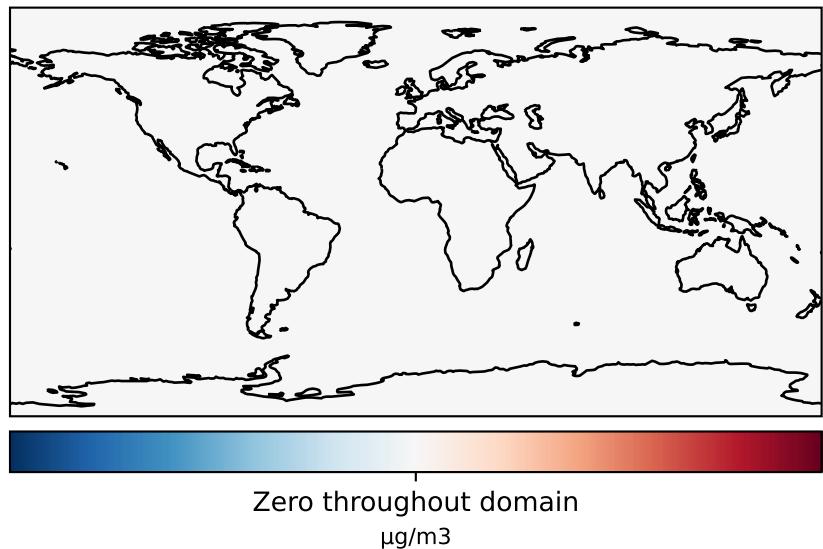
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



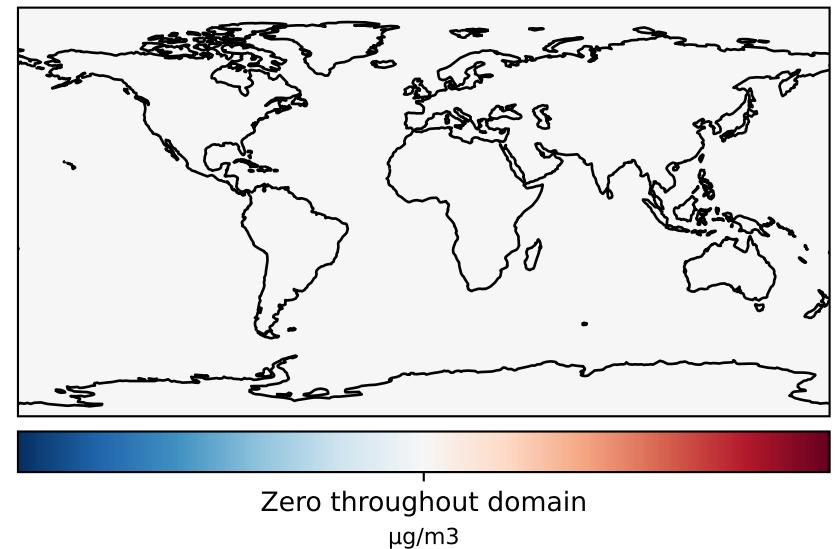
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



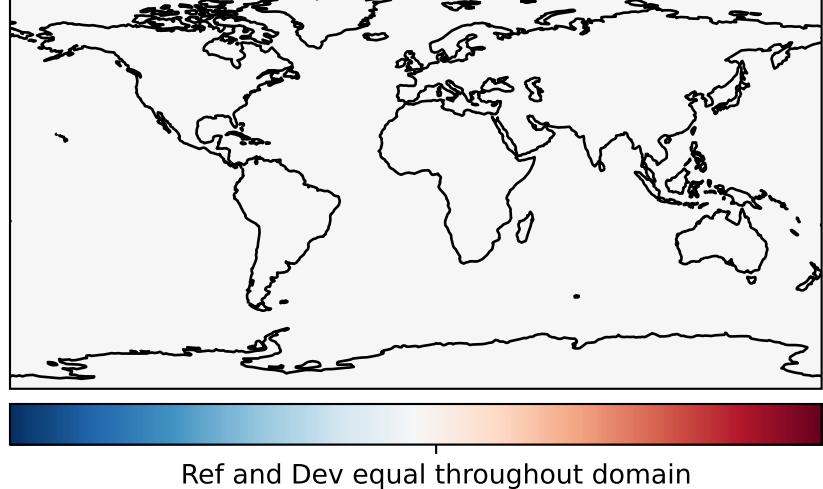
Difference  
Dev - Ref, Dynamic Range



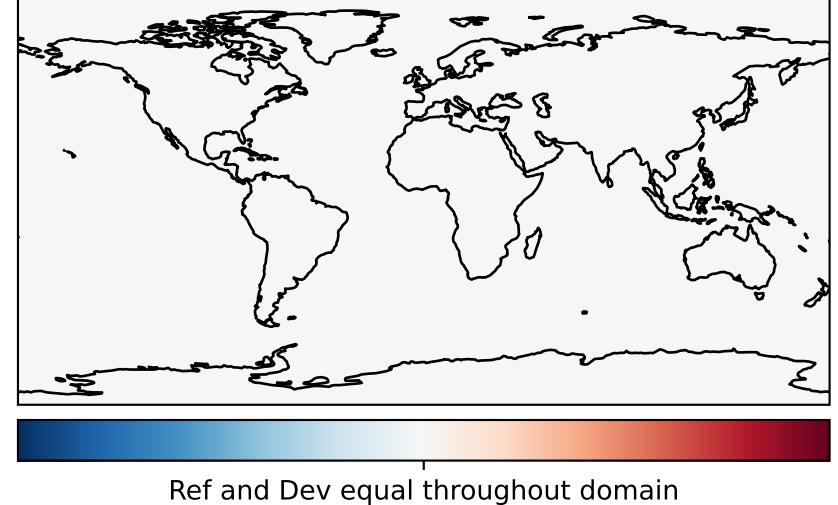
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Ratio  
Dev/Ref, Dynamic Range

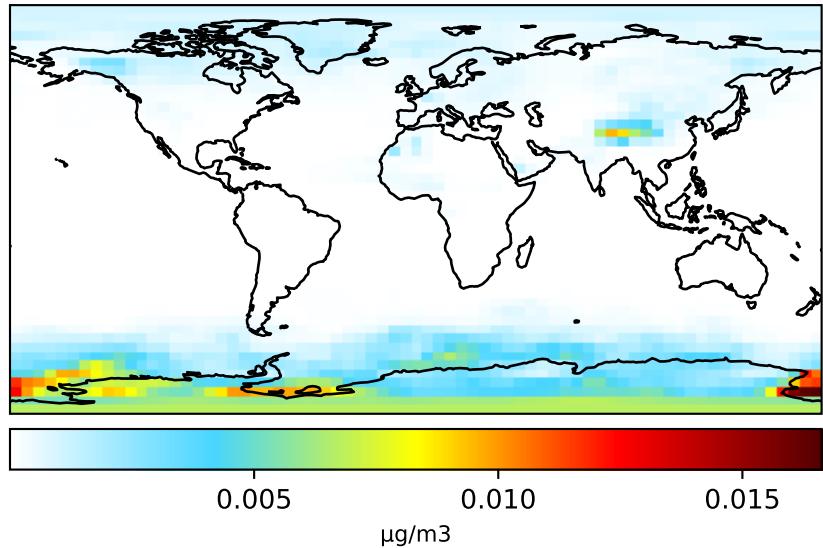


Ratio  
Dev/Ref, Fixed Range

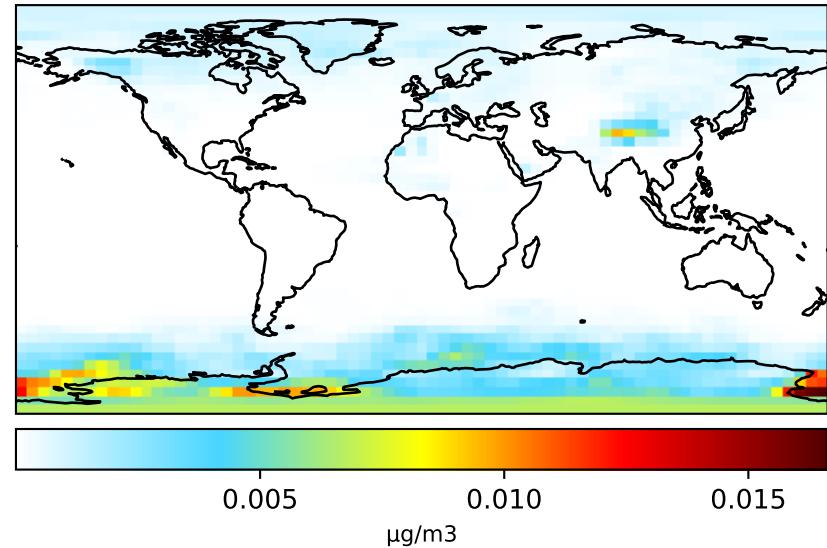


# SpeciesConcVV\_SALACL

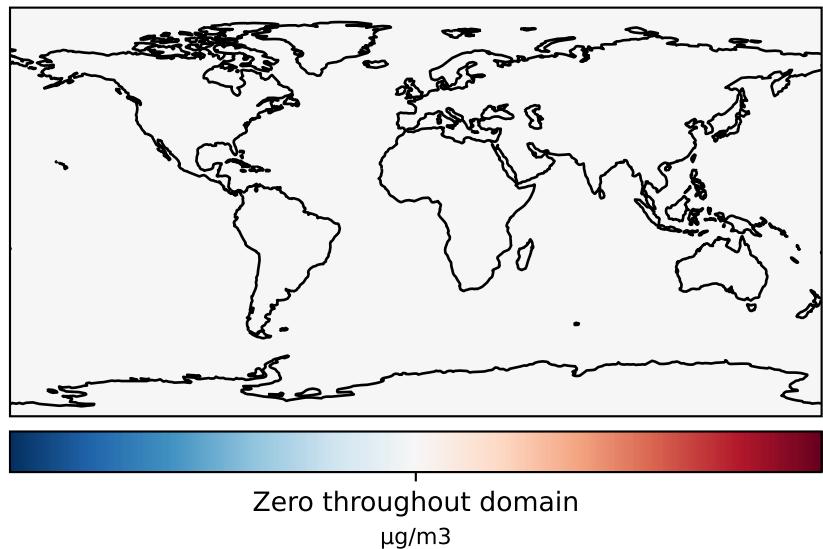
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



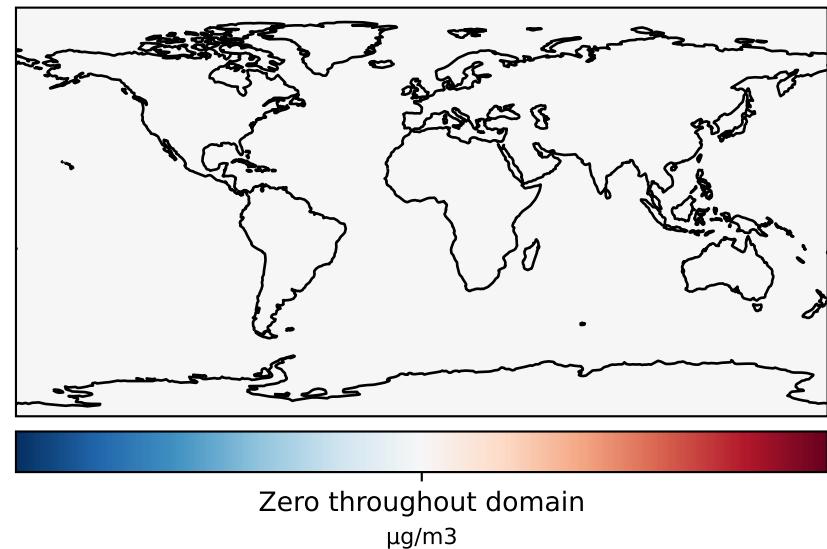
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



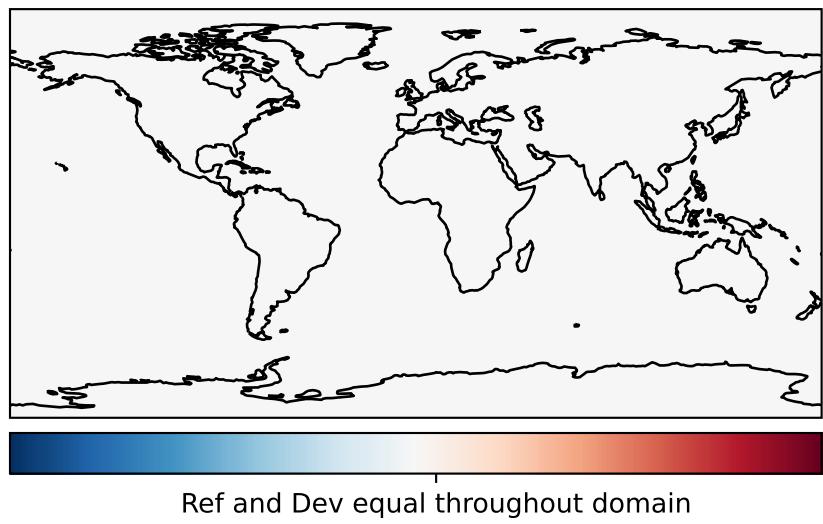
Difference  
Dev - Ref, Dynamic Range



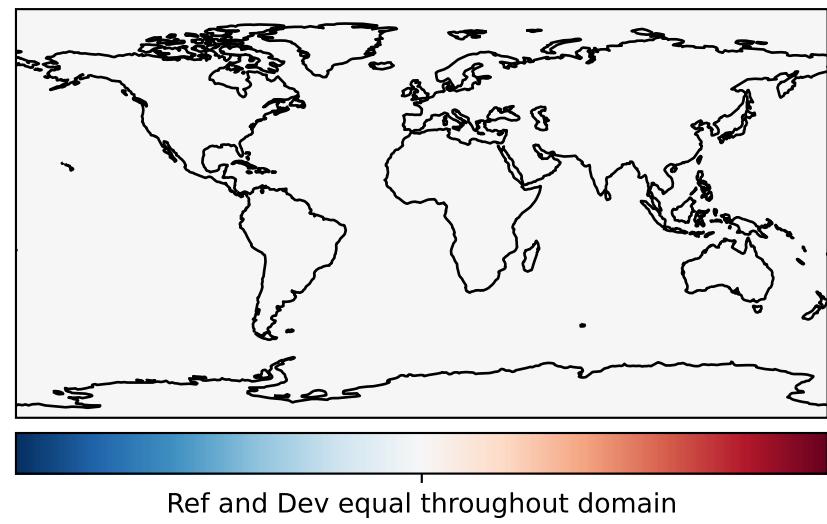
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

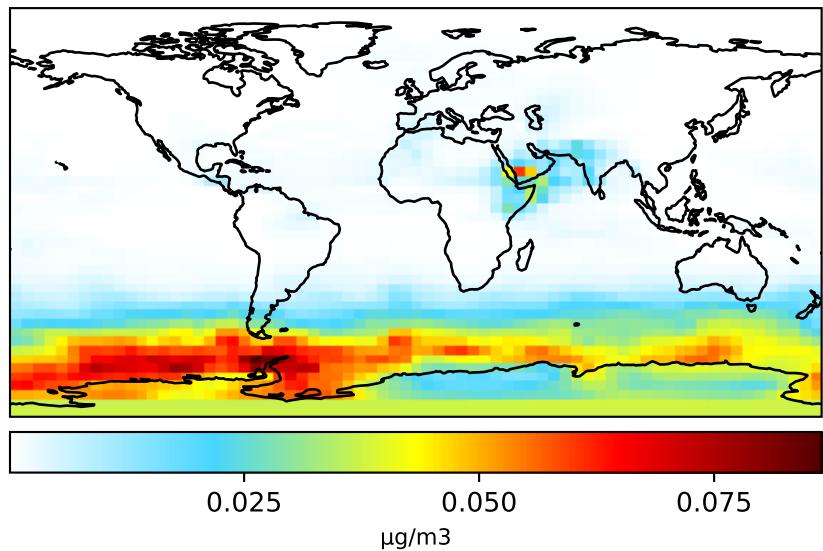


Ratio  
Dev/Ref, Fixed Range

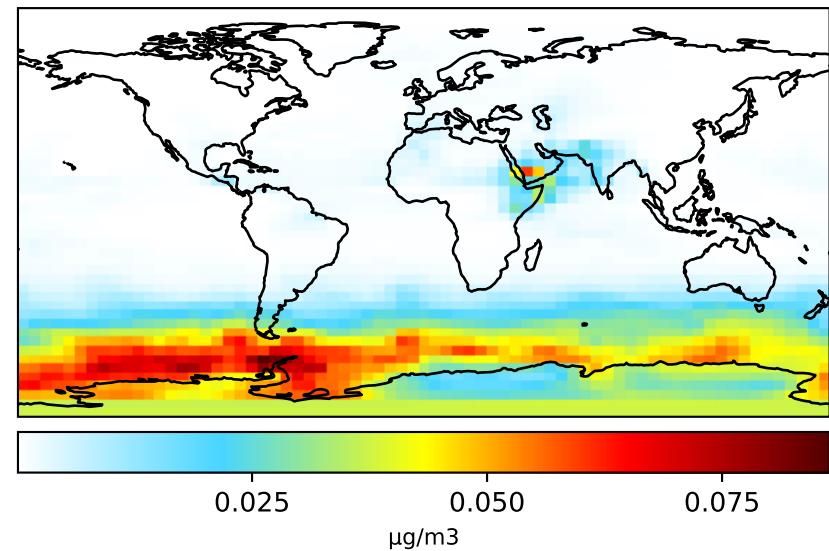


# SpeciesConcVV\_SALC

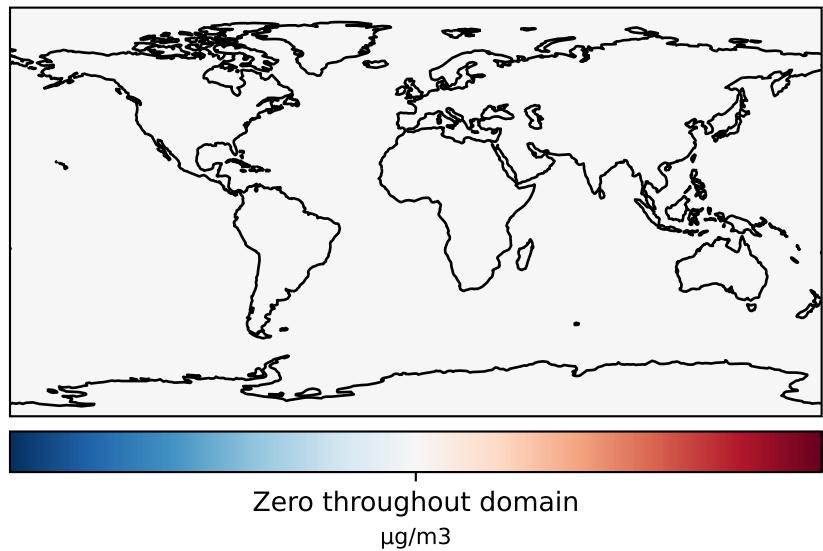
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



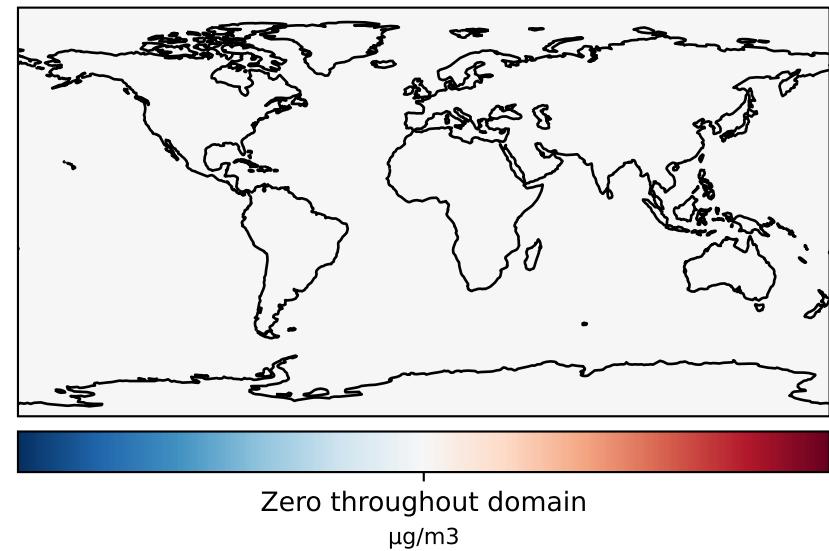
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



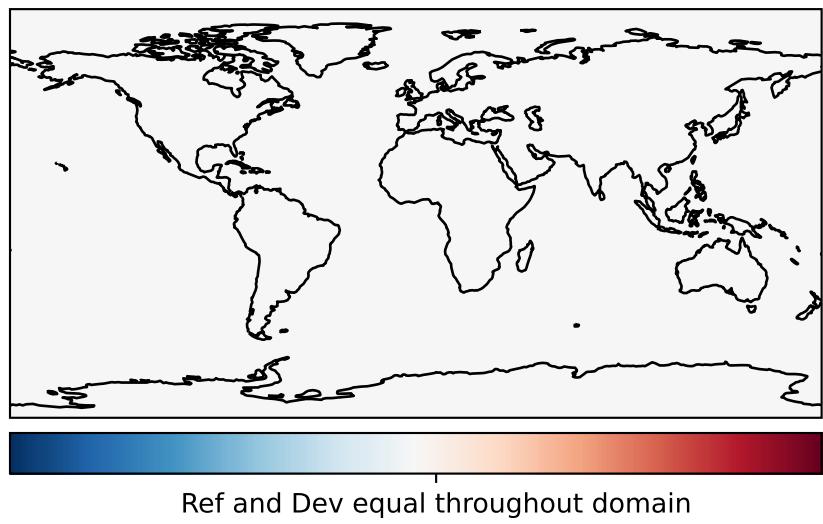
Difference  
Dev - Ref, Dynamic Range



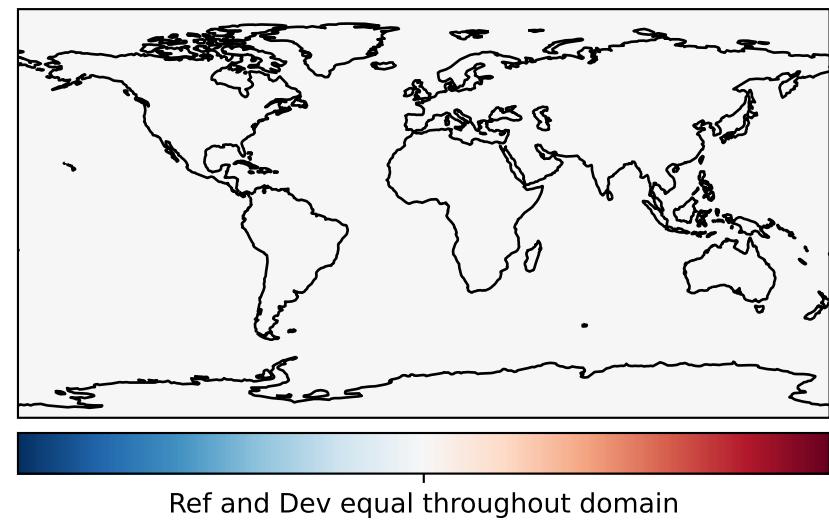
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Ratio  
Dev/Ref, Dynamic Range

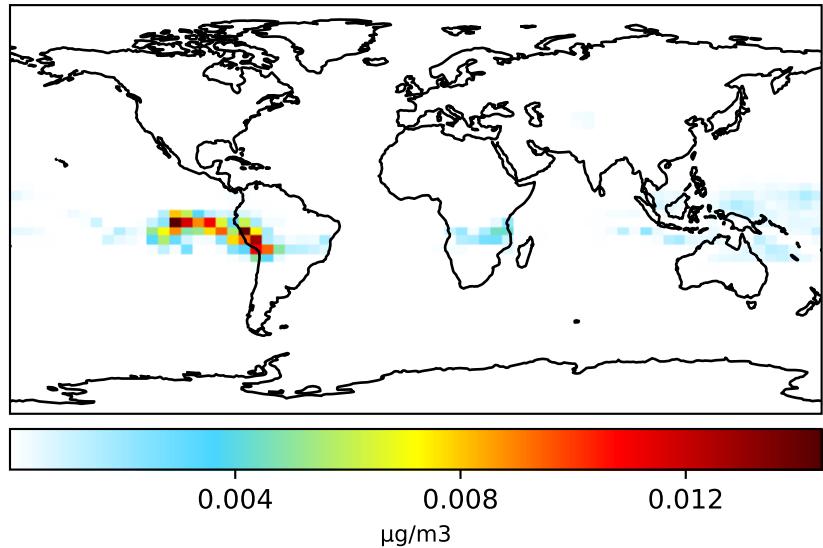


Ratio  
Dev/Ref, Fixed Range

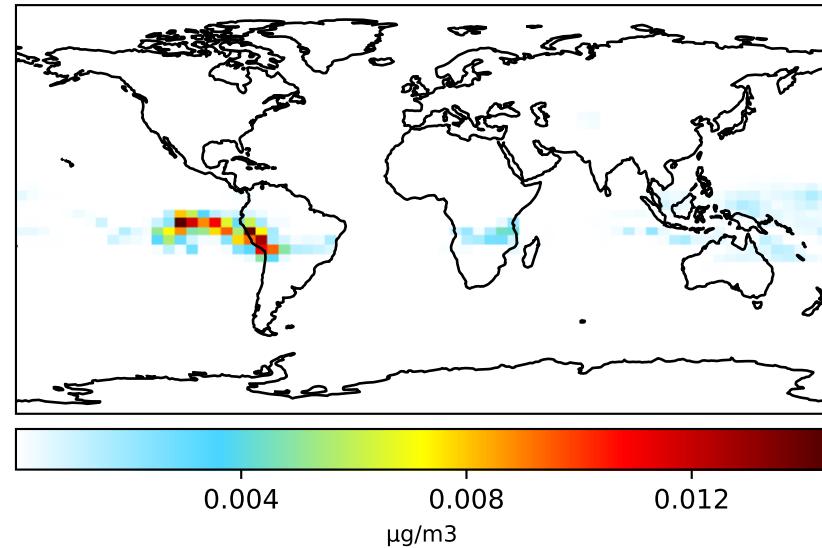


# SpeciesConcVV\_SALCAL

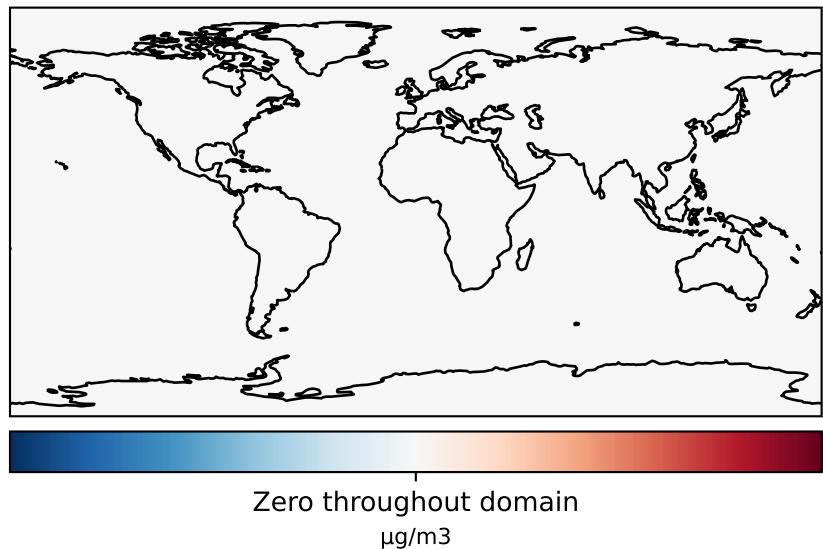
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



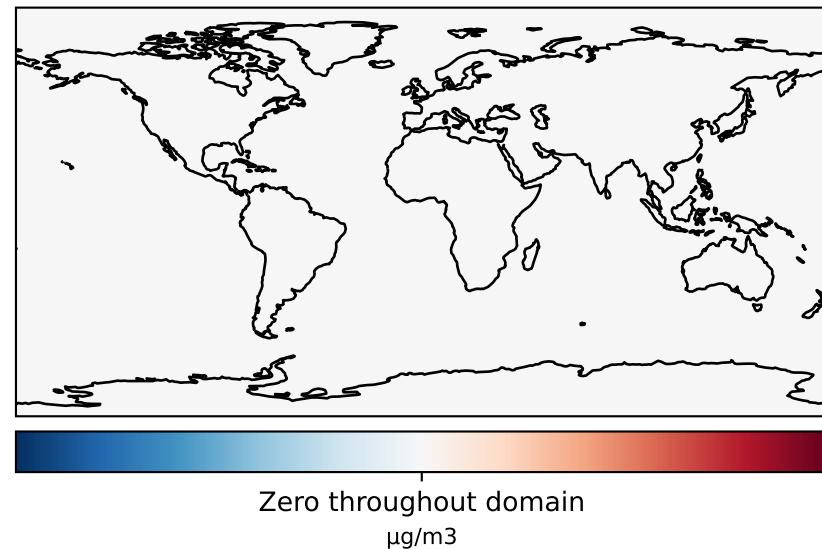
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



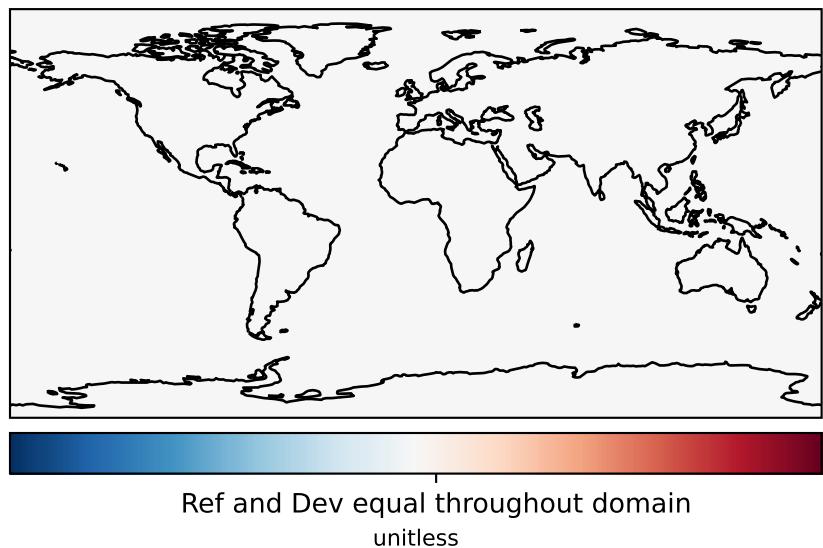
Difference  
Dev - Ref, Dynamic Range



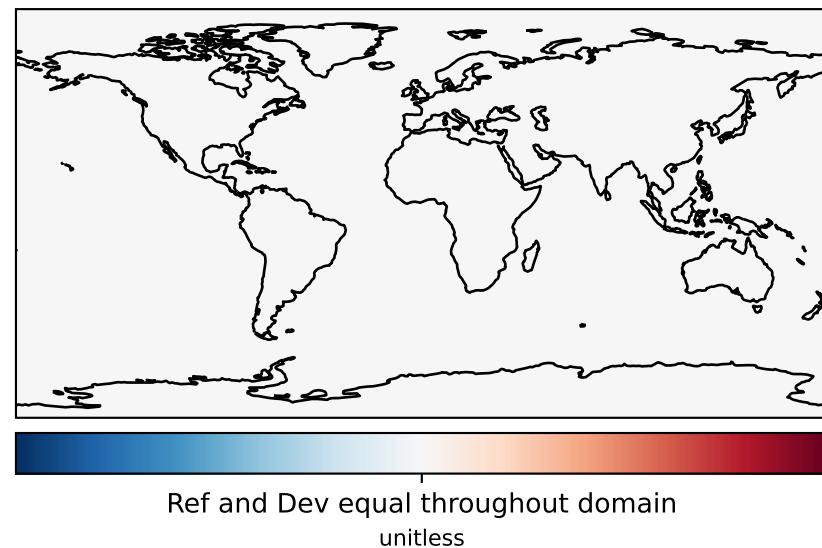
Difference  
Dev - Ref, Restricted Range [5%,95%]



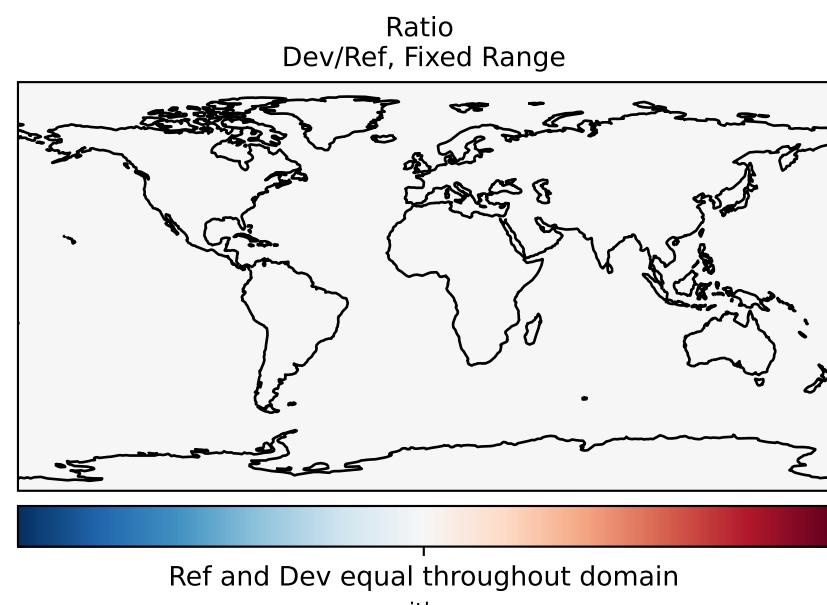
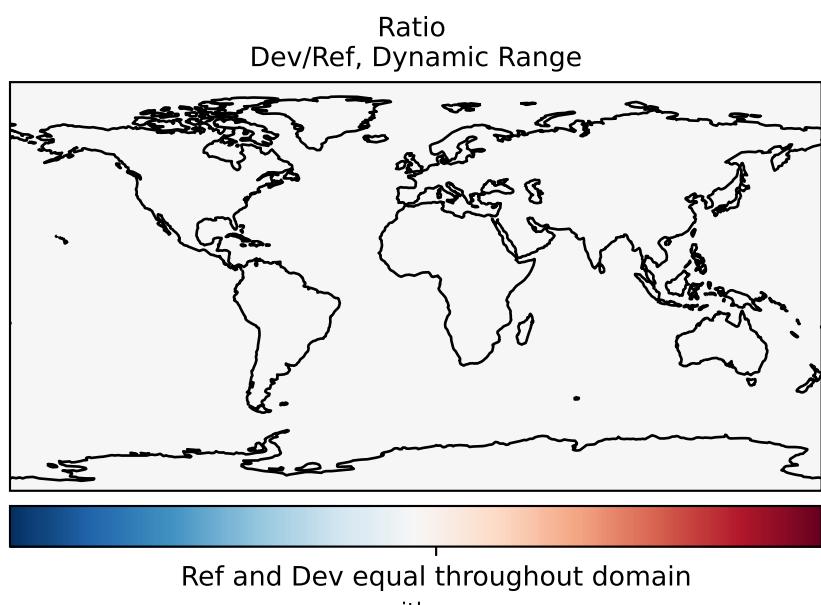
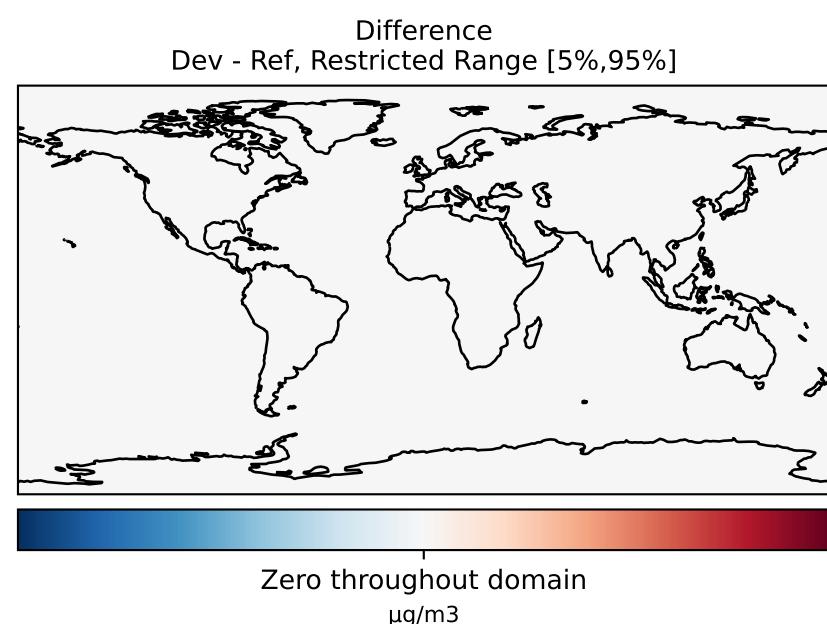
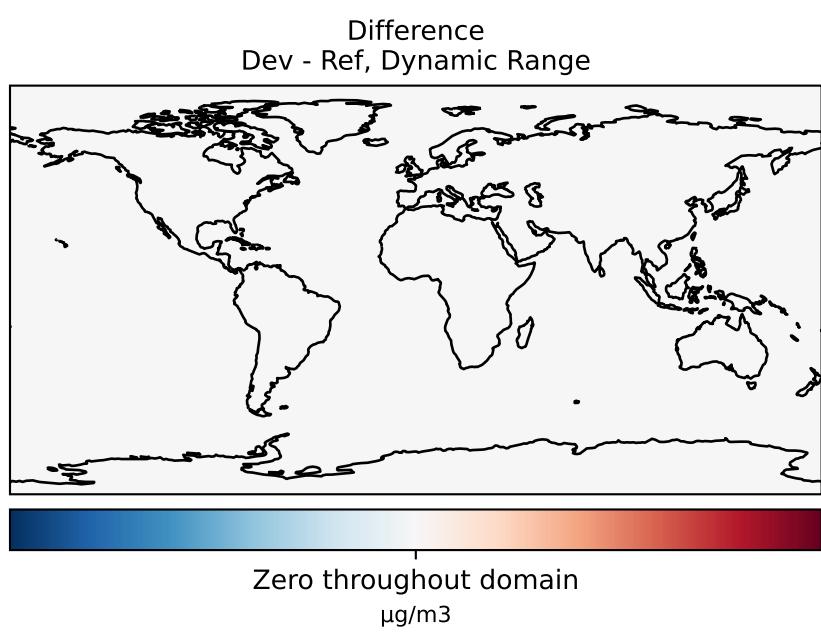
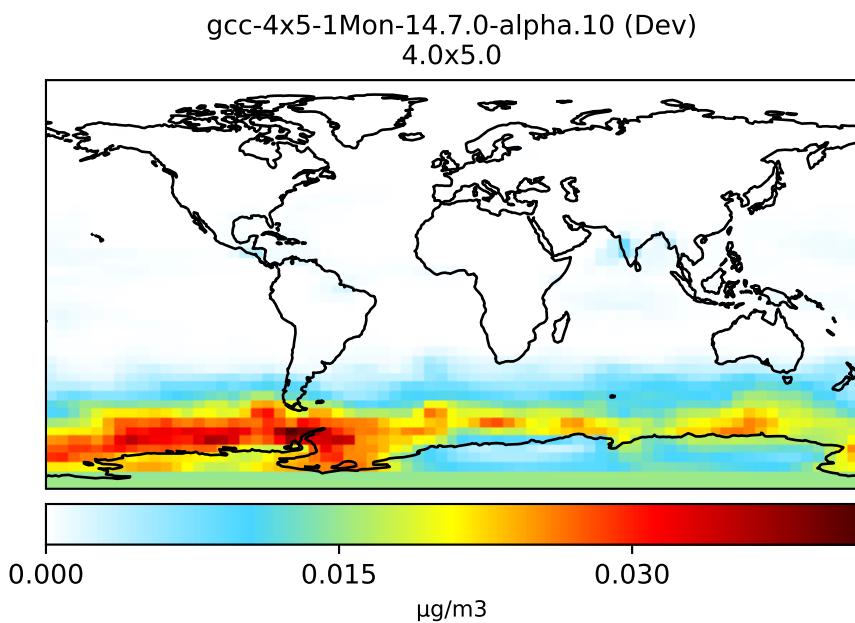
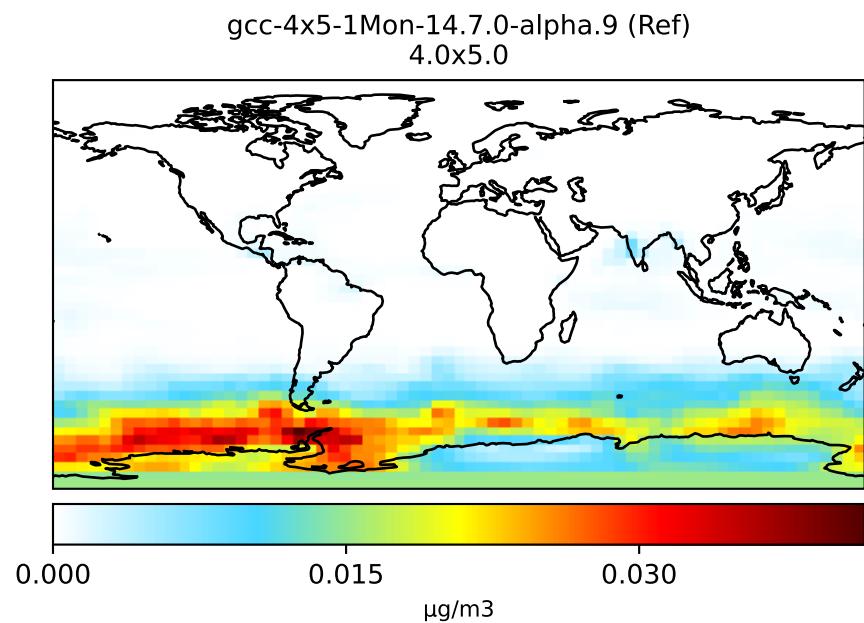
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

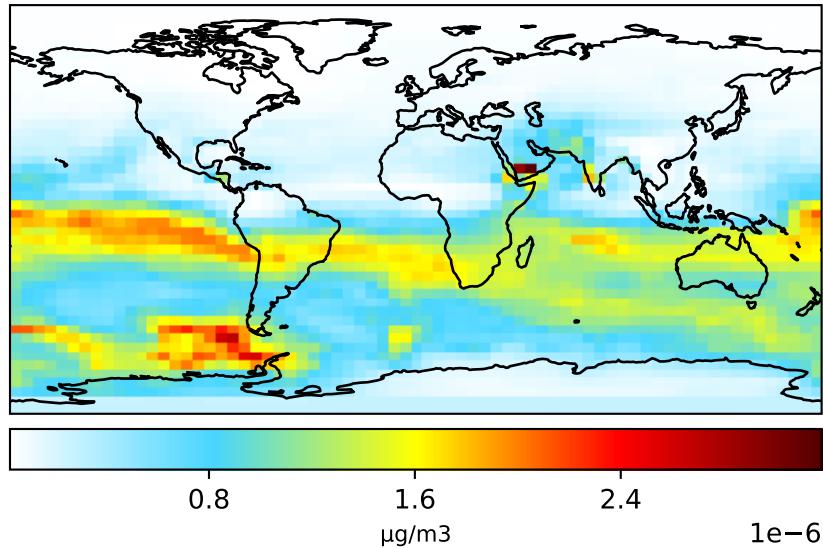


# SpeciesConcVV\_SALCCL

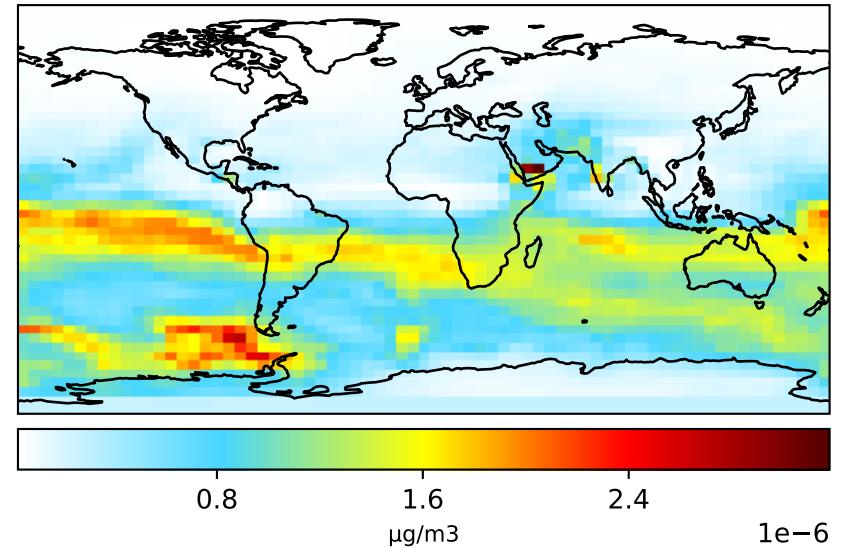


# SpeciesConcVV\_SO4s

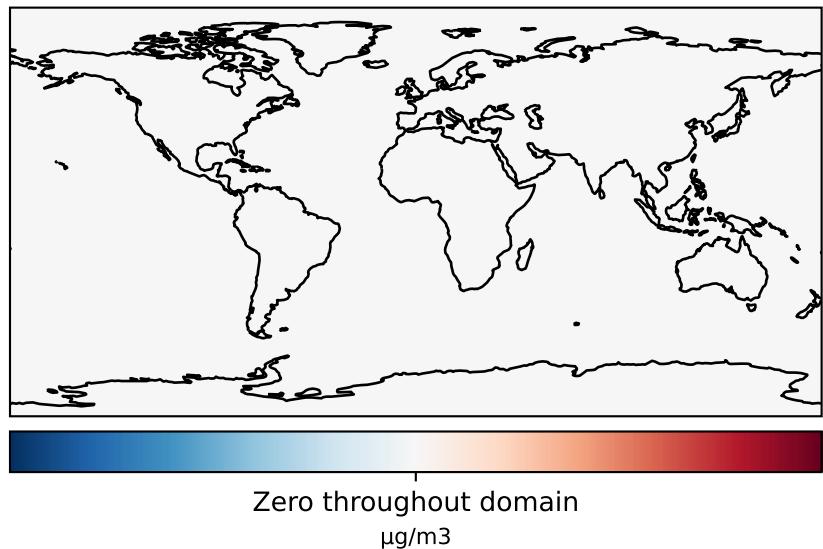
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



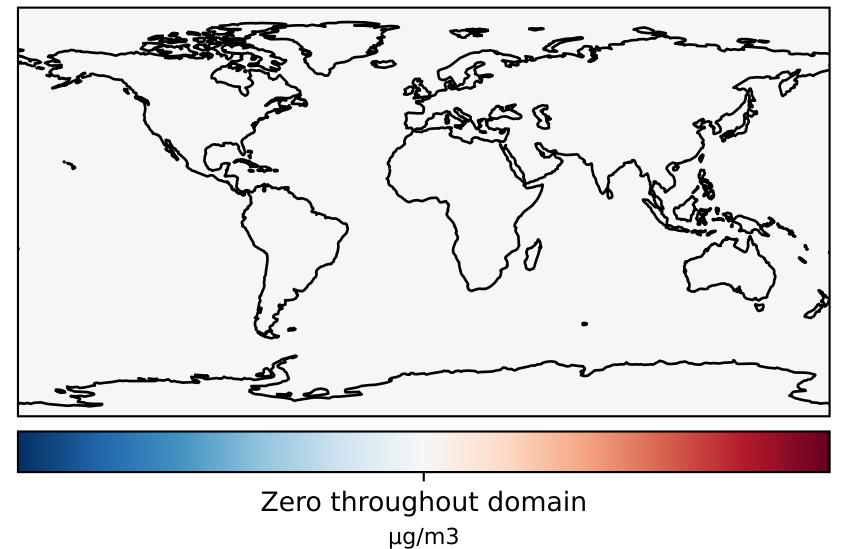
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



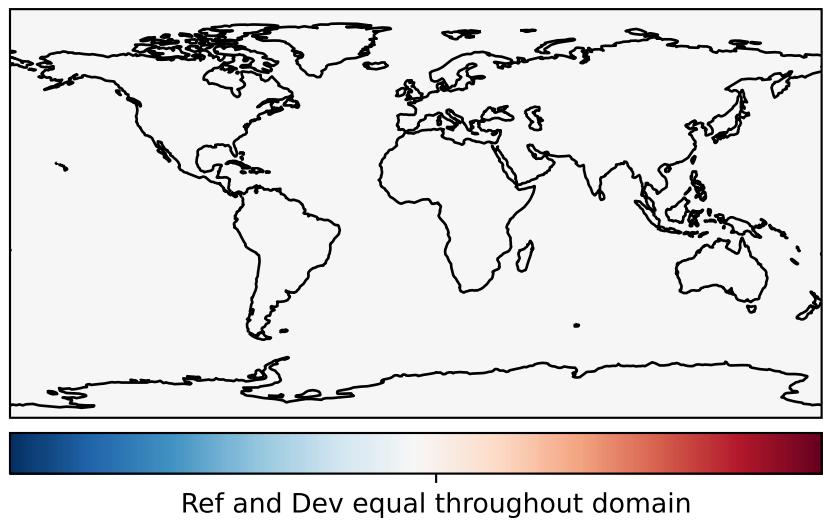
Difference  
Dev - Ref, Dynamic Range



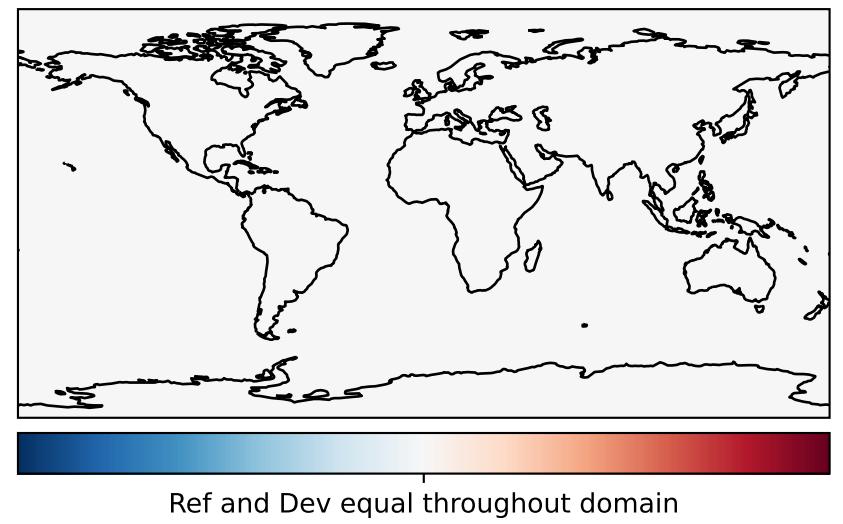
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

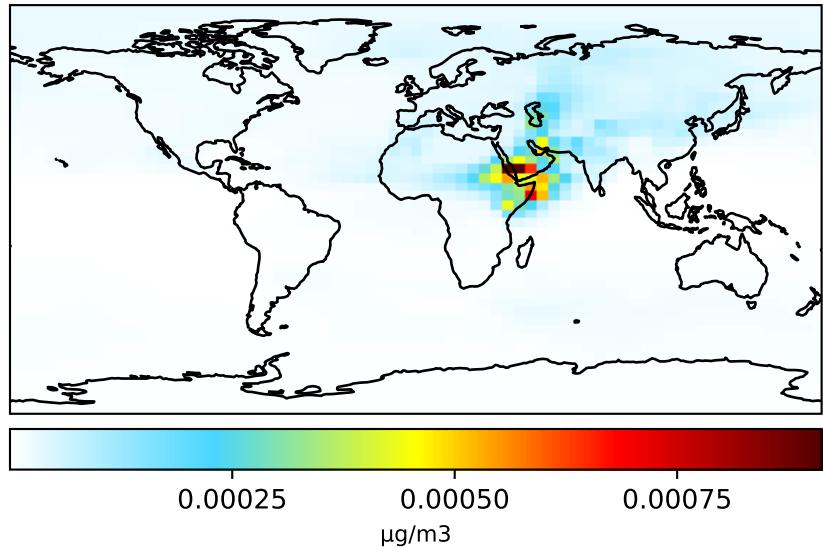


Ratio  
Dev/Ref, Fixed Range

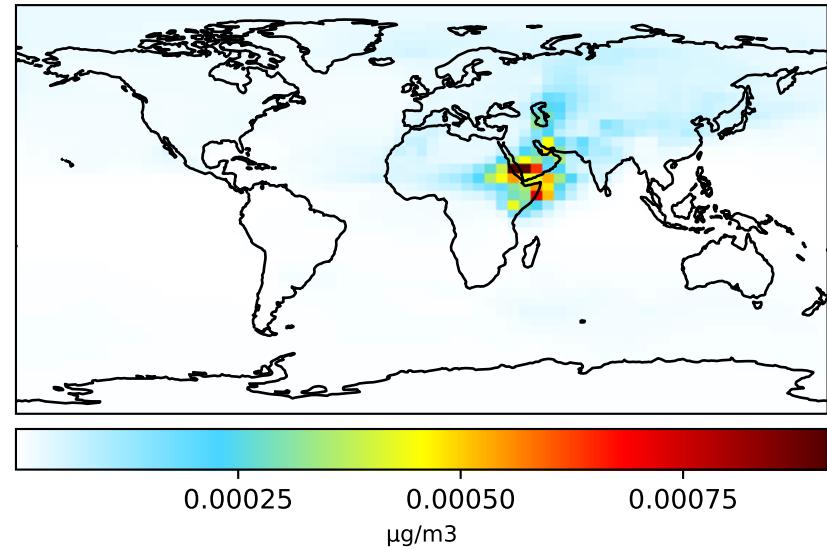


# SpeciesConcVV\_pFe

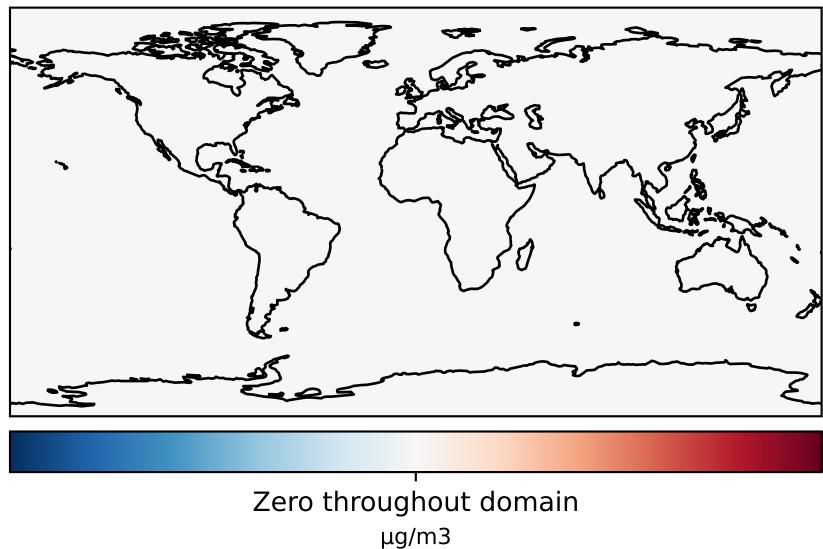
gcc-4x5-1Mon-14.7.0-alpha.9 (Ref)  
4.0x5.0



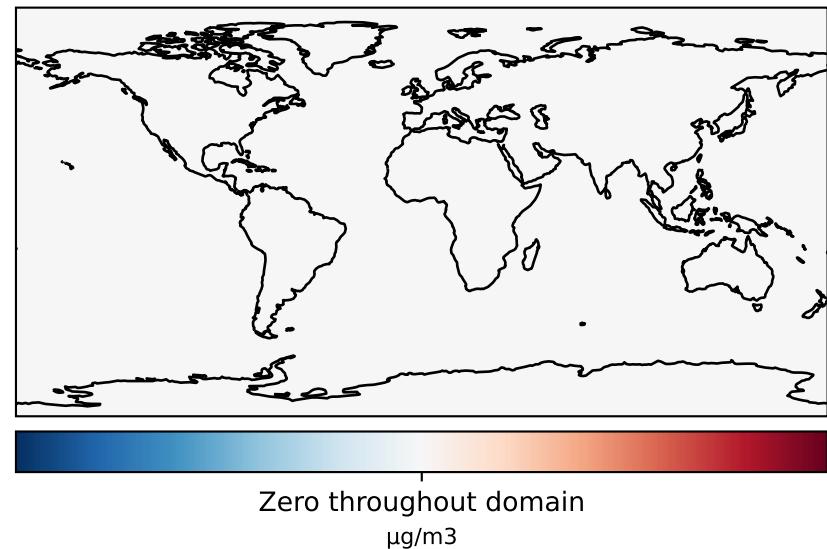
gcc-4x5-1Mon-14.7.0-alpha.10 (Dev)  
4.0x5.0



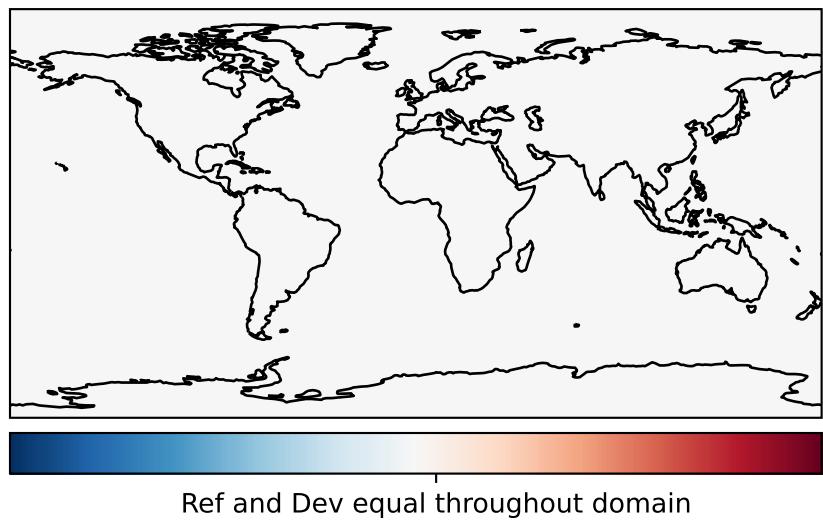
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

