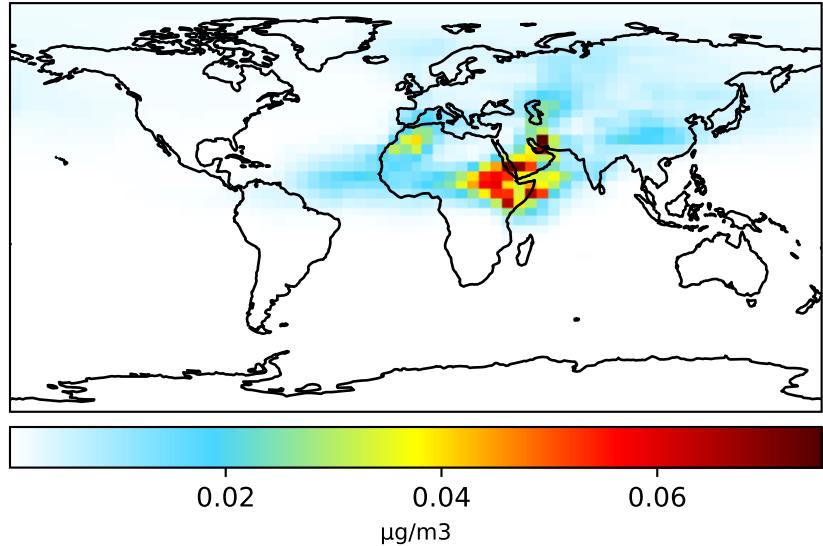
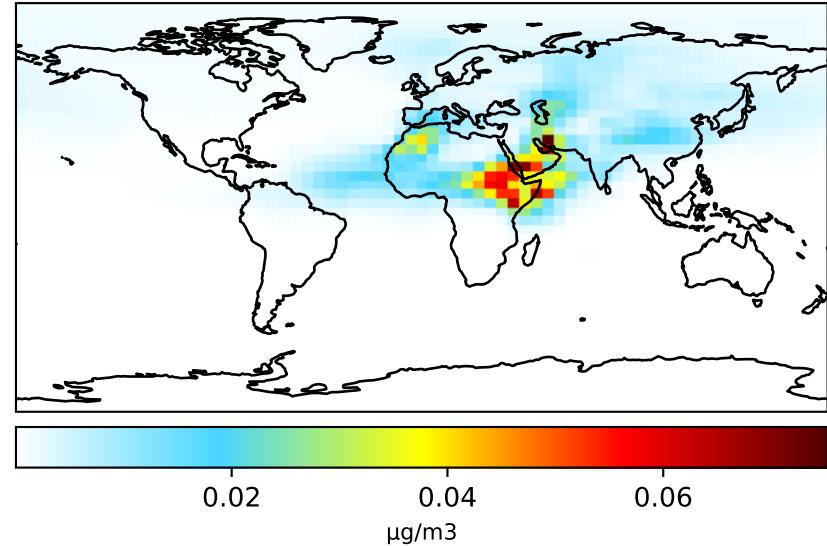


# SpeciesConcVV\_DSTbin1

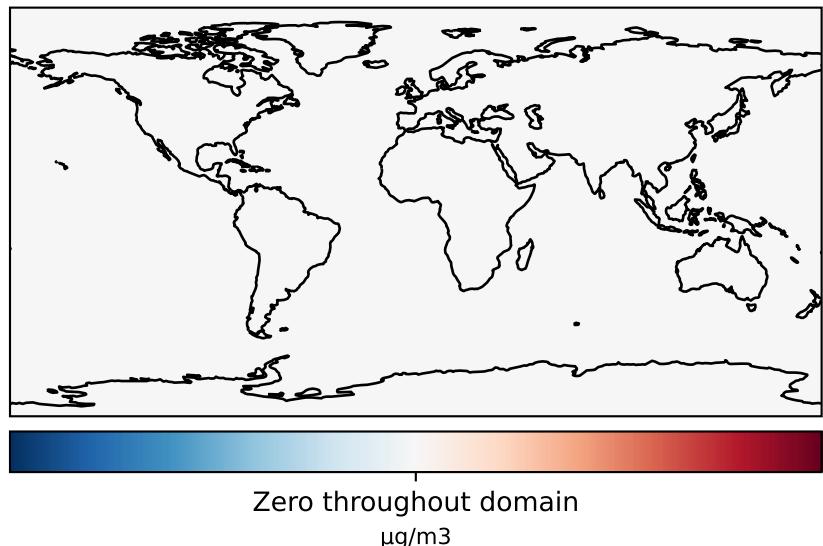
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0

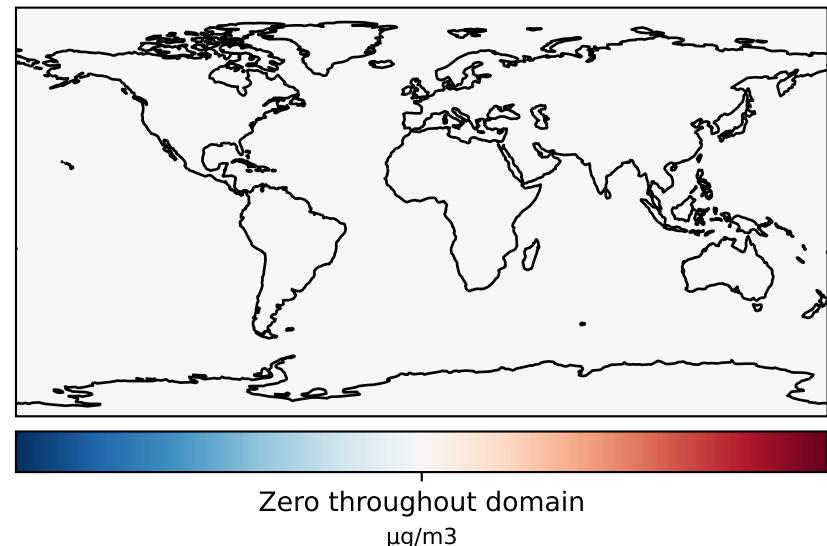


Difference  
Dev - Ref, Dynamic Range



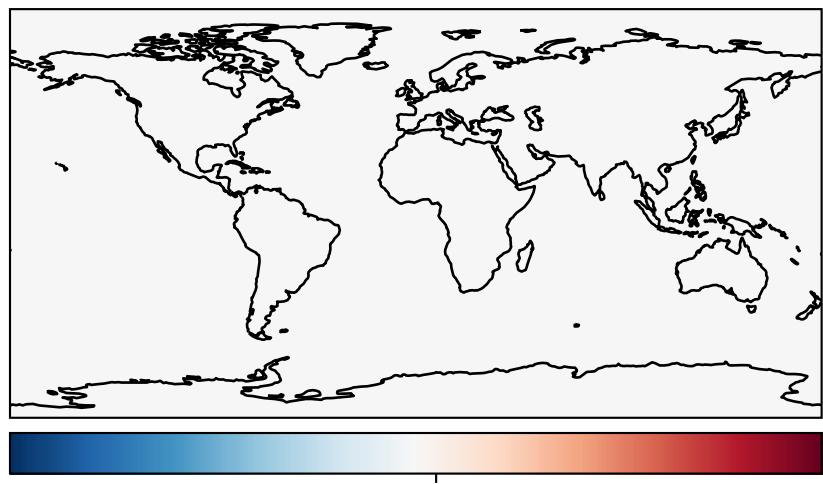
Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

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



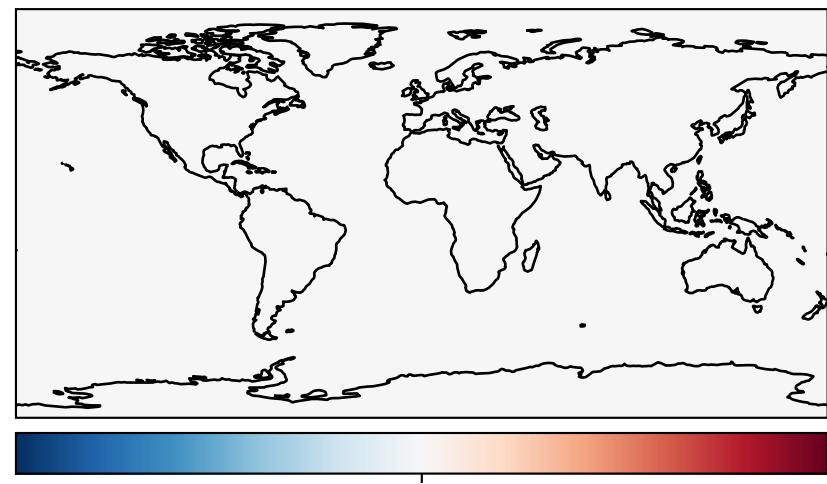
Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



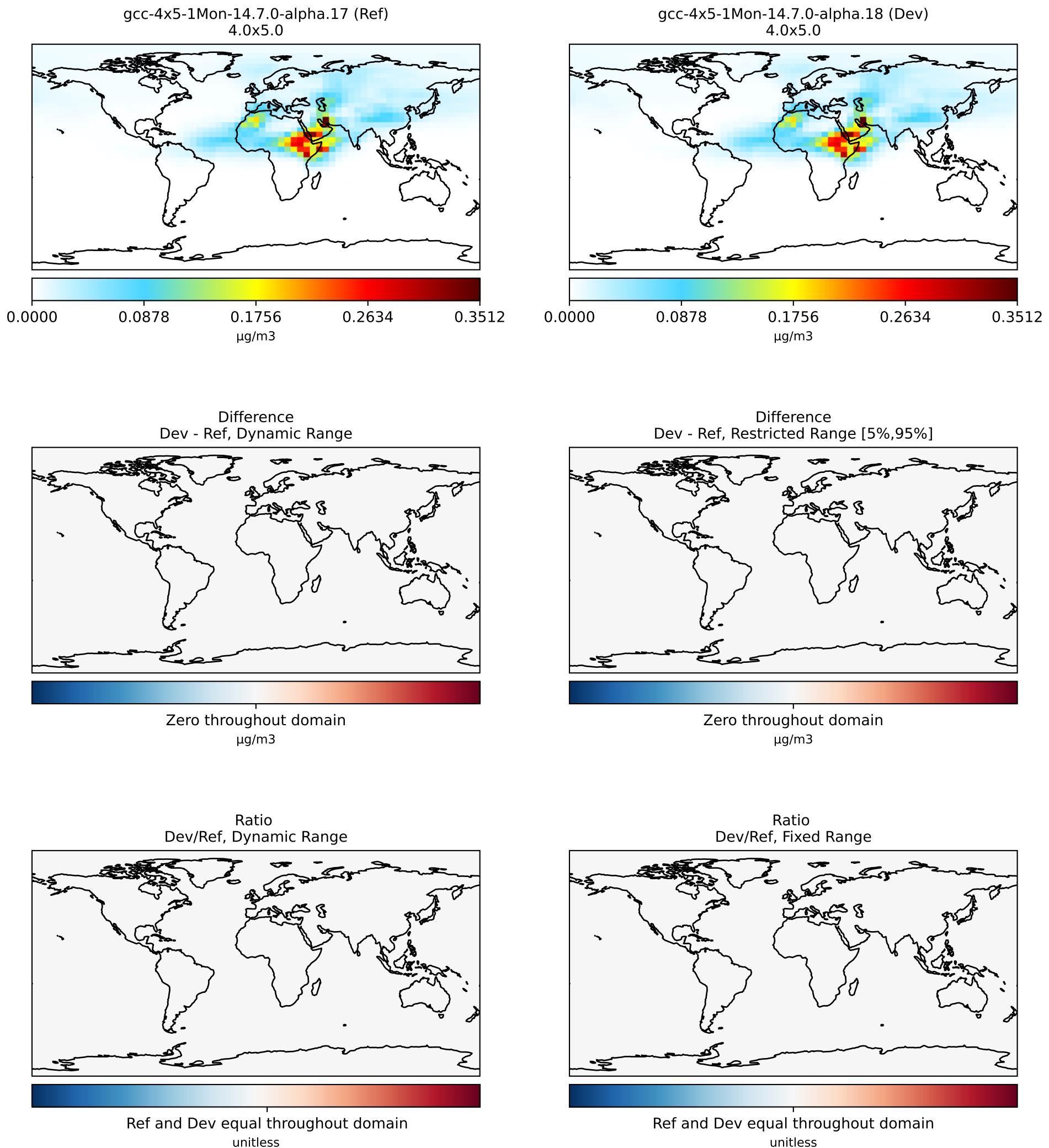
Ref and Dev equal throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range

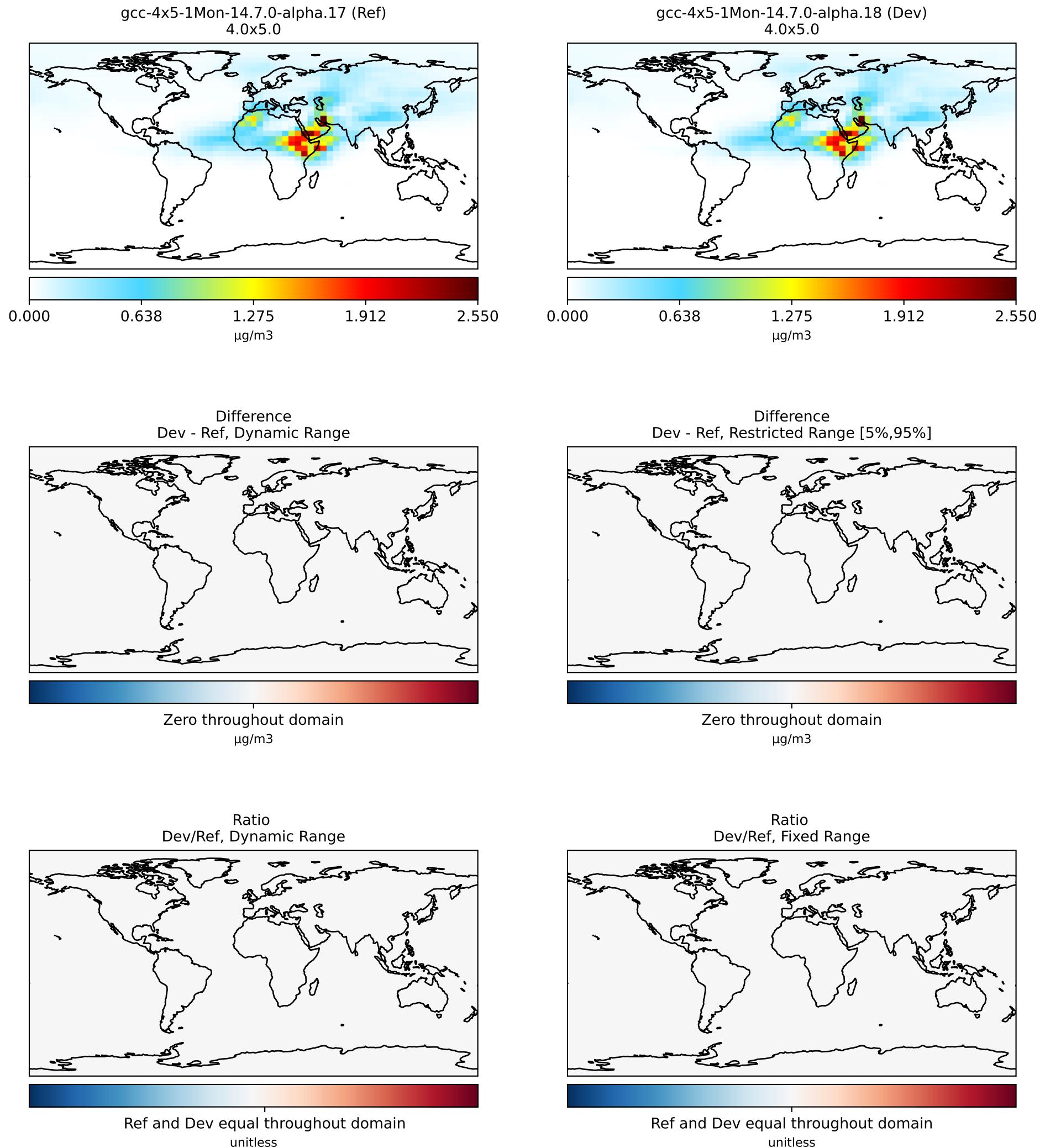


Ref and Dev equal throughout domain  
unitless

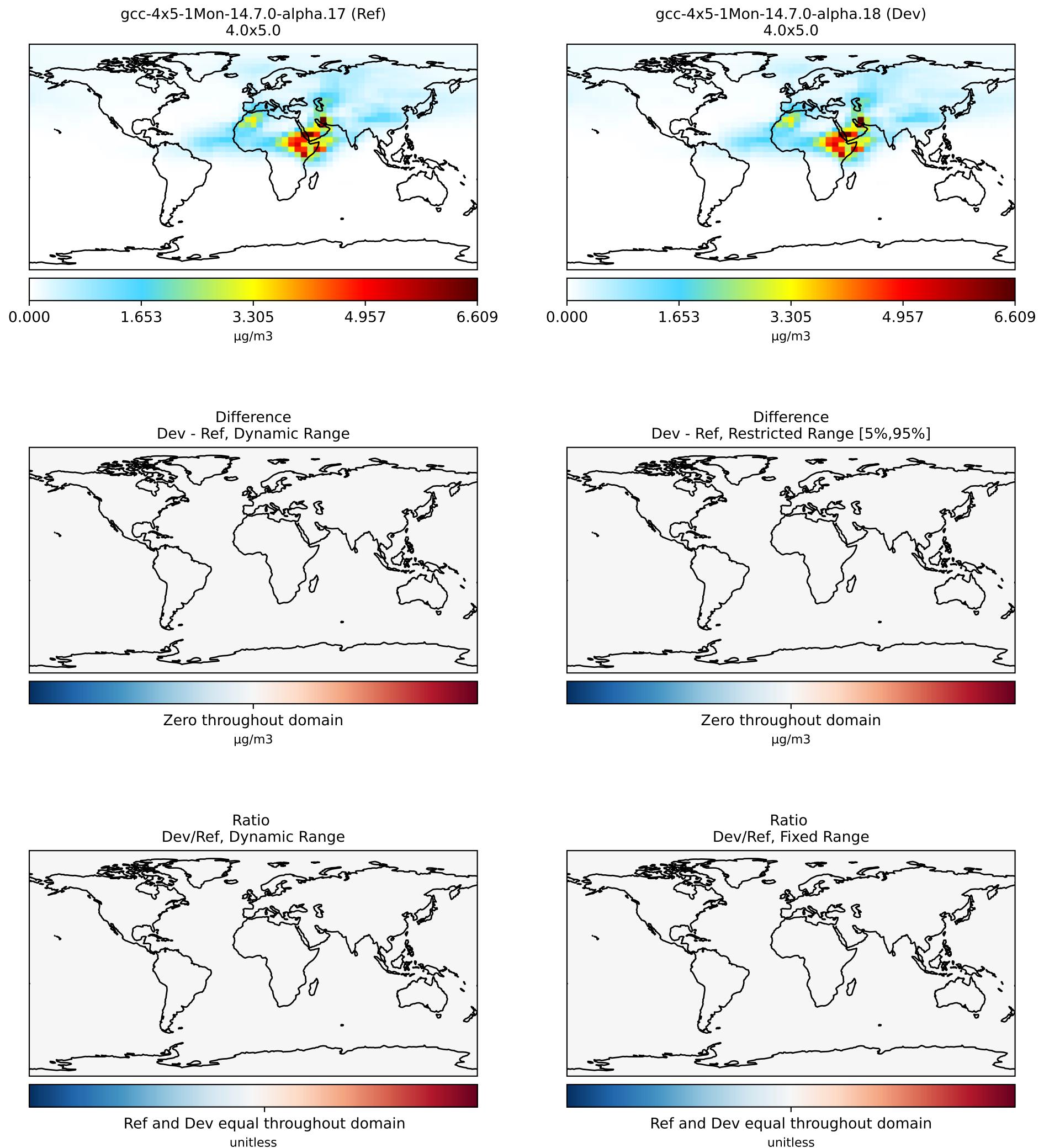
# SpeciesConcVV\_DSTbin2



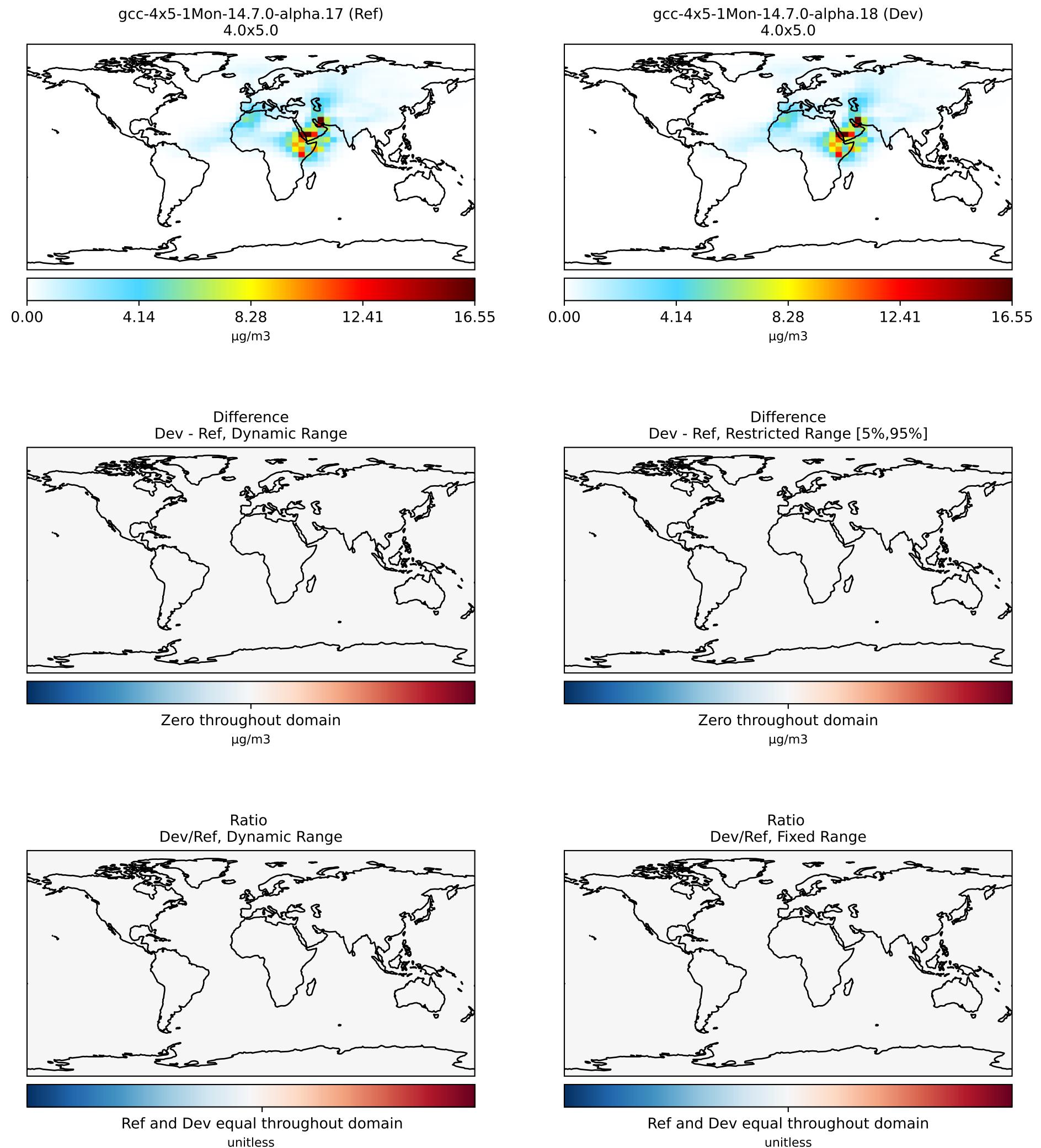
# SpeciesConcVV\_DSTbin3



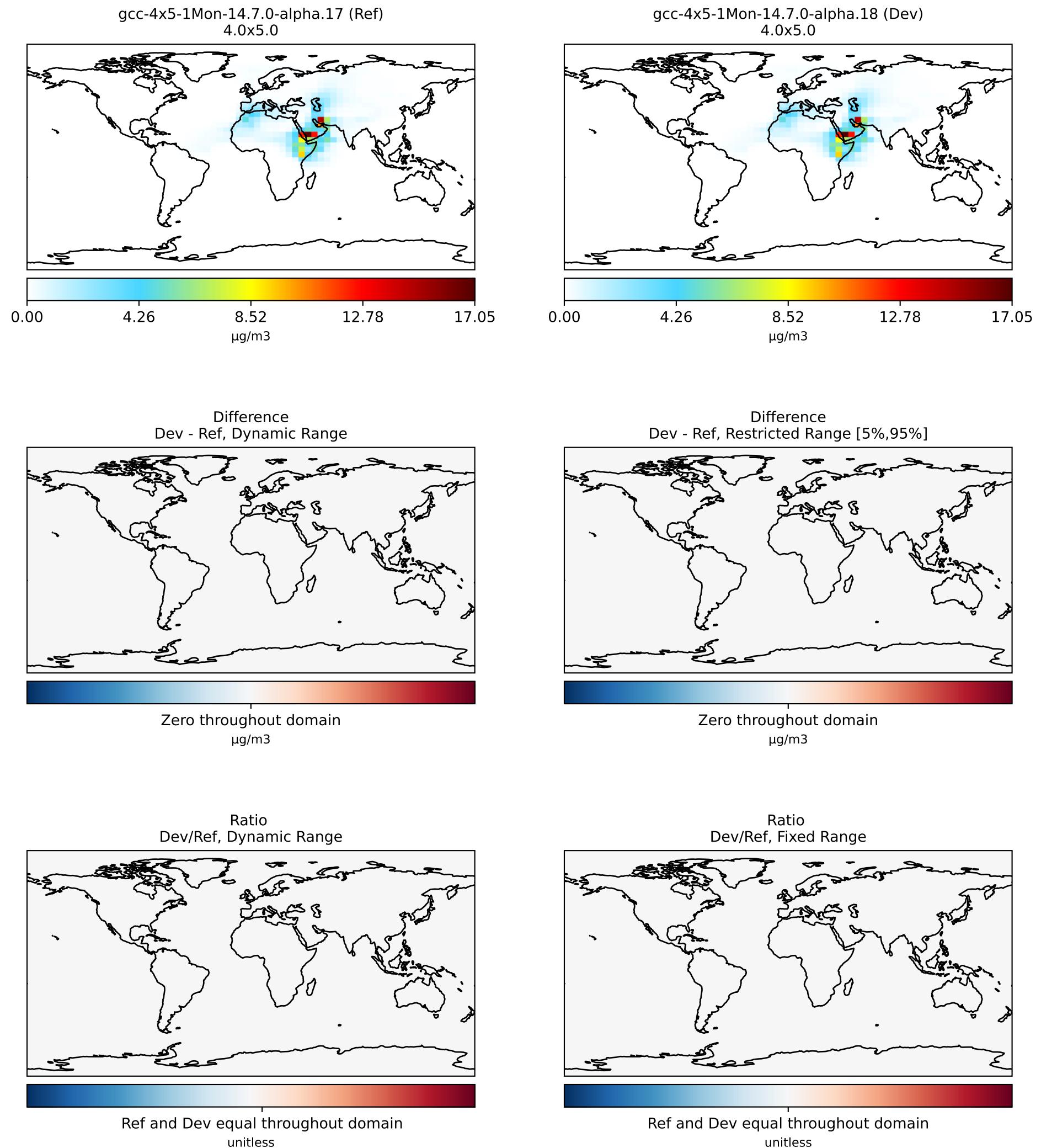
# SpeciesConcVV\_DSTbin4



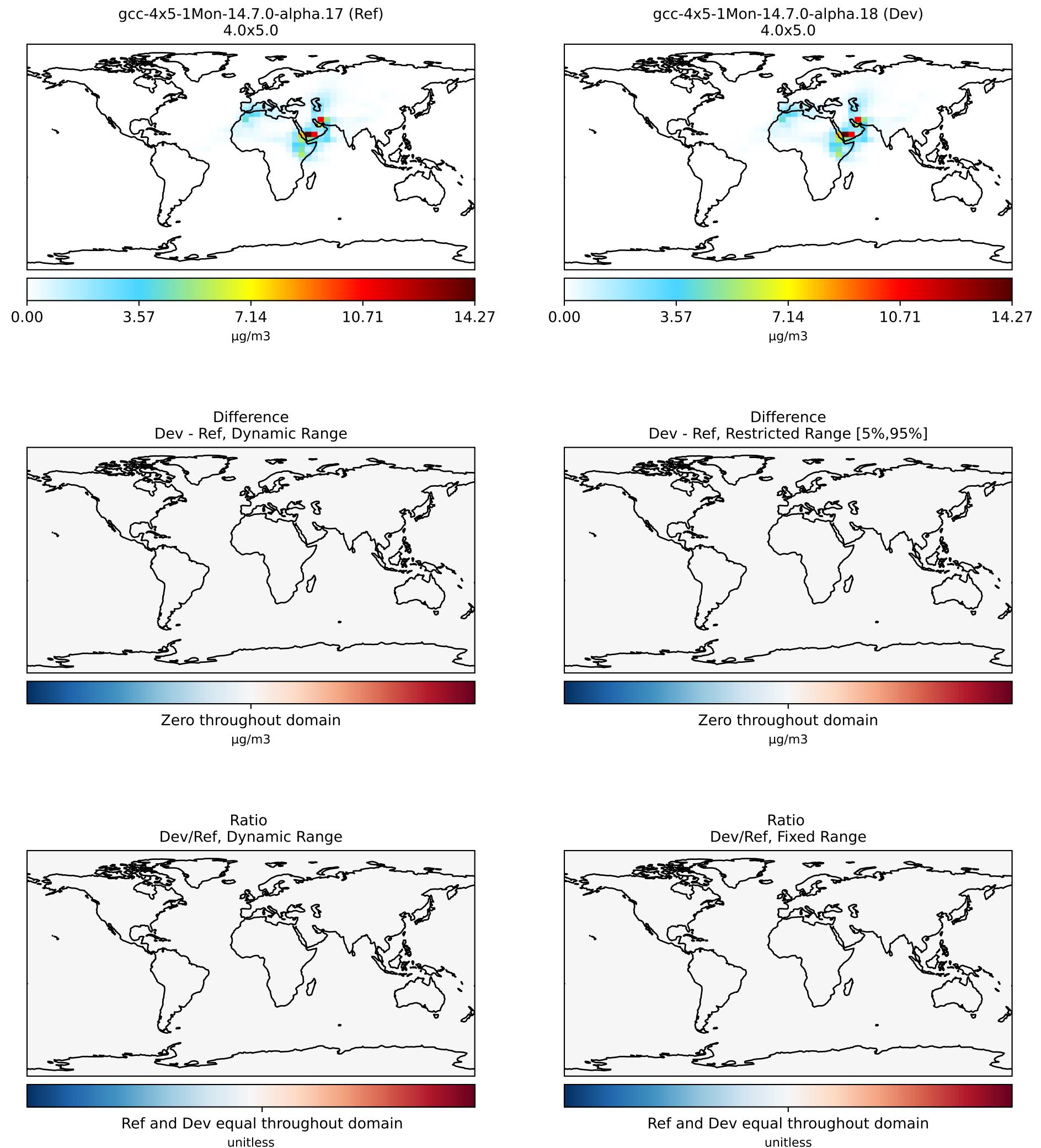
# SpeciesConcVV\_DSTbin5



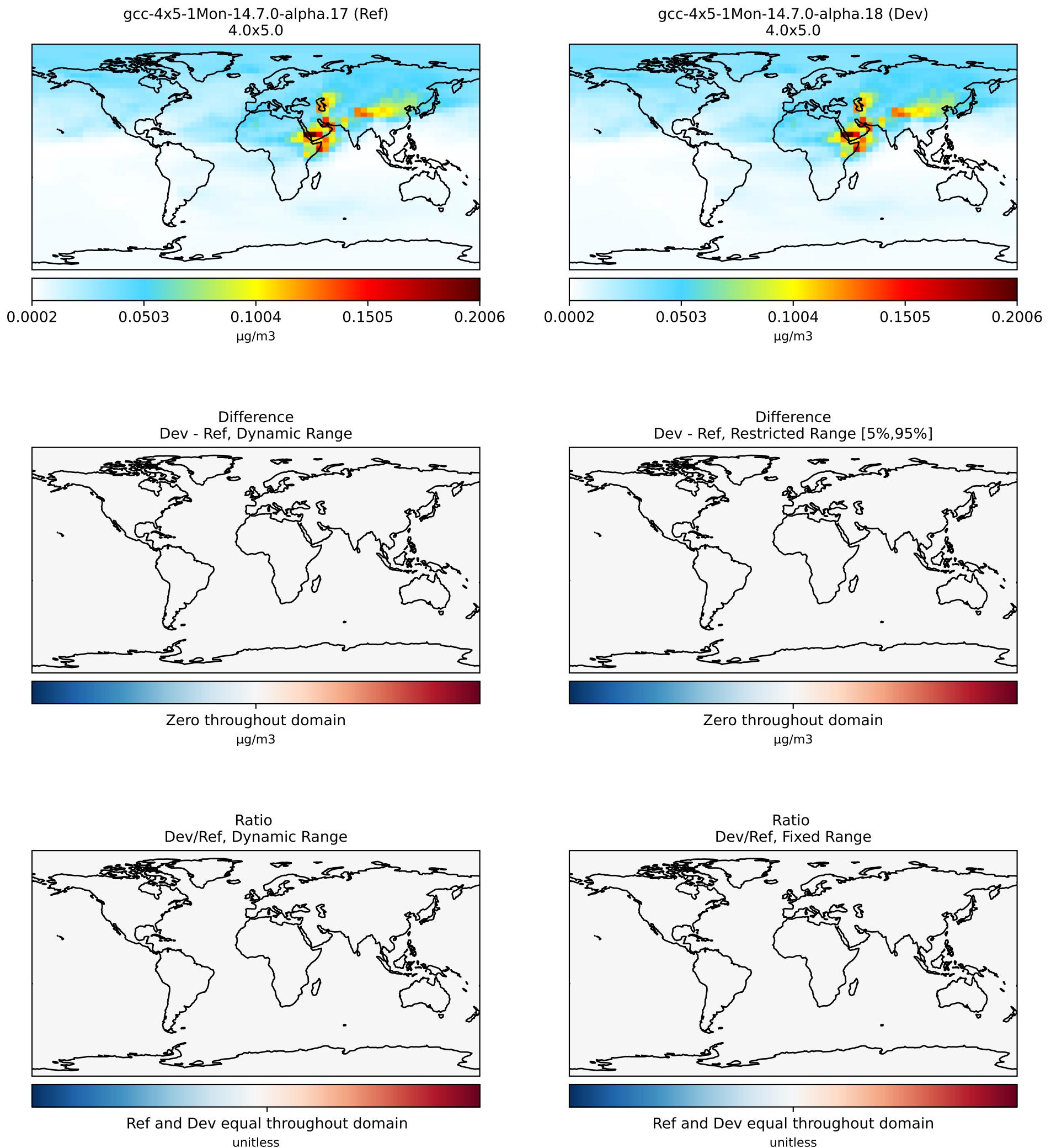
# SpeciesConcVV\_DSTbin6



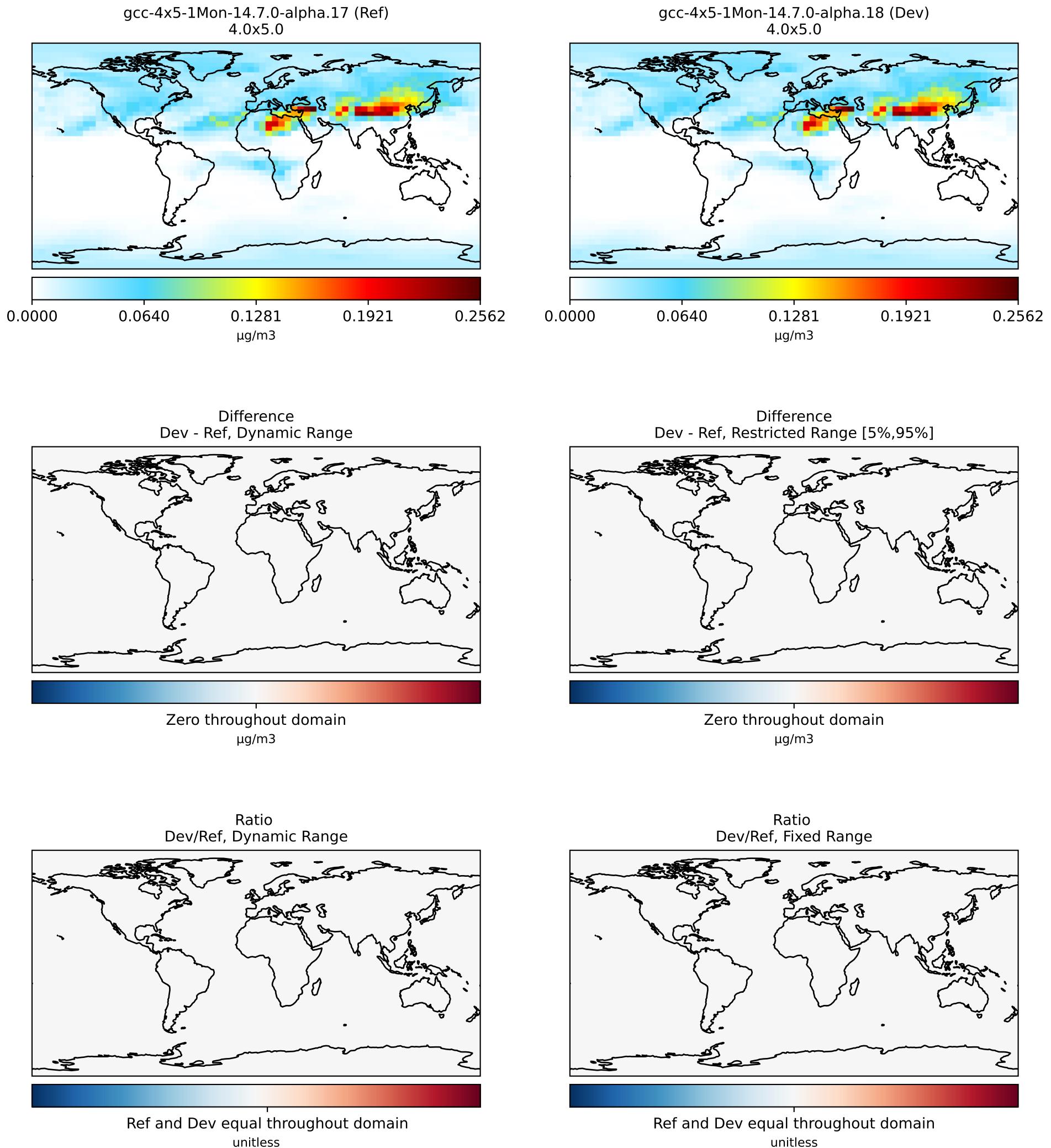
# SpeciesConcVV\_DSTbin7



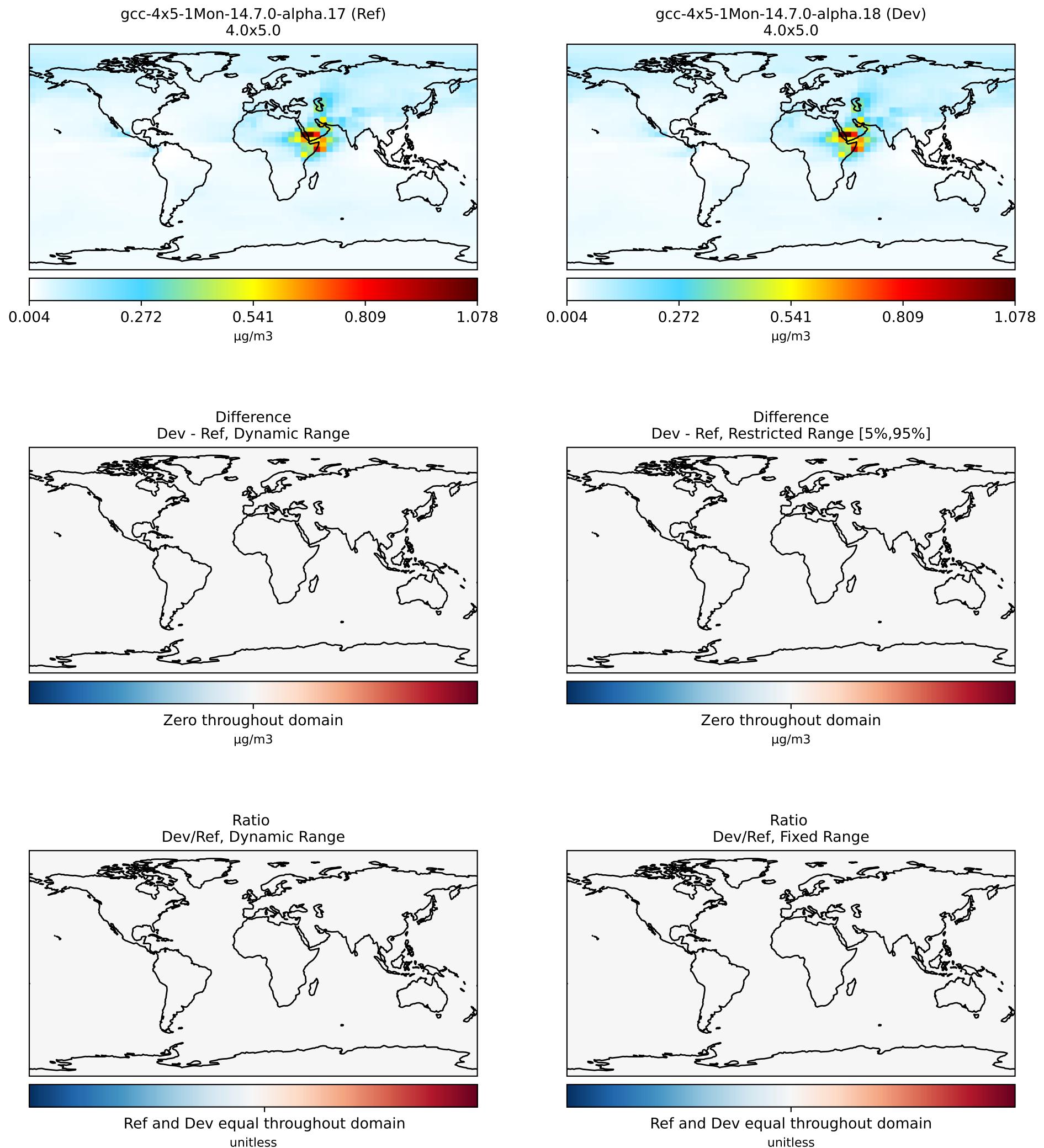
# SpeciesConcVV\_NH4



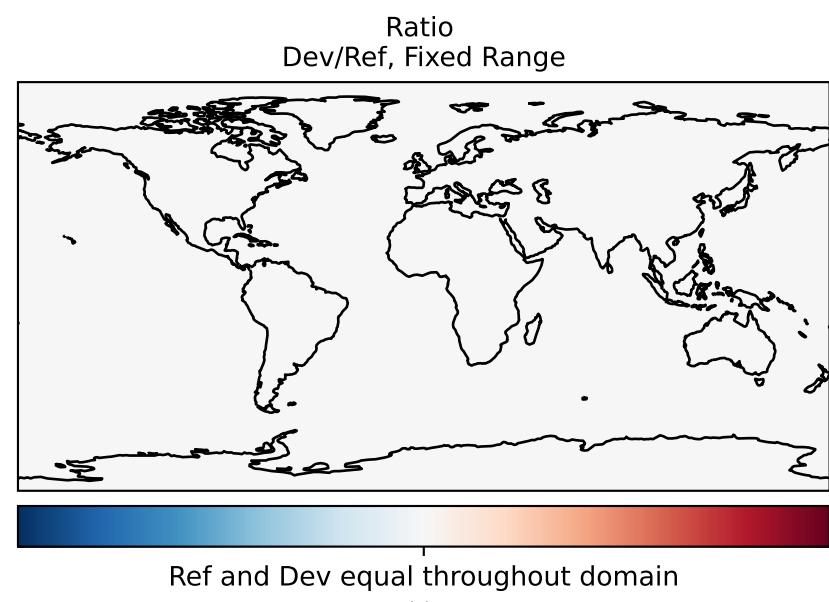
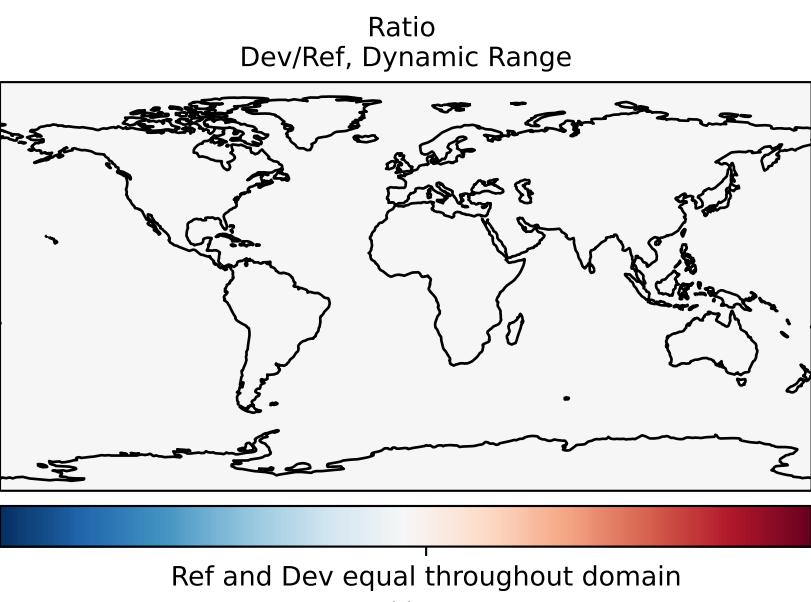
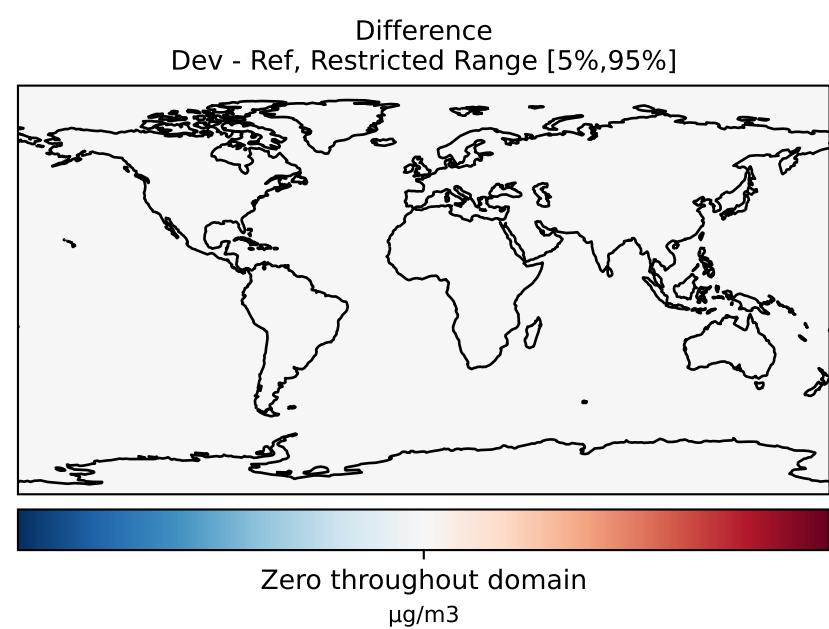
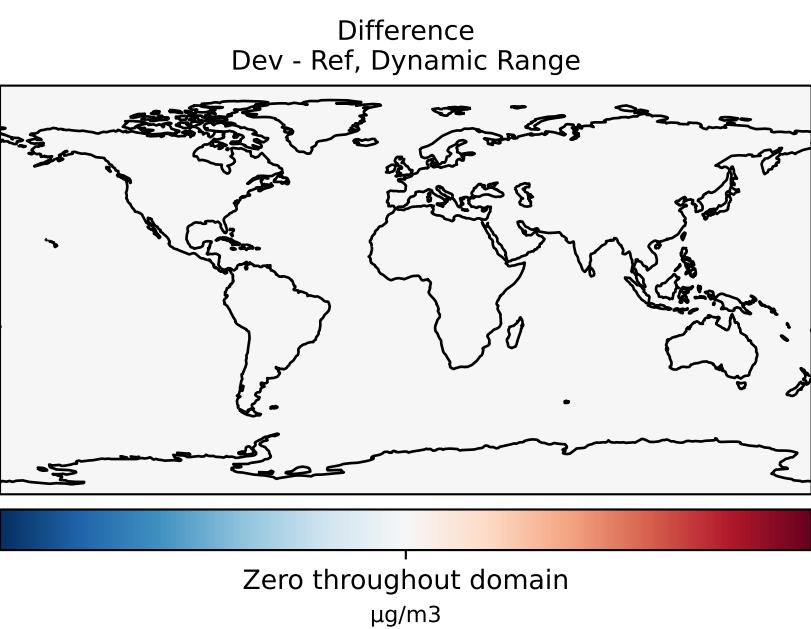
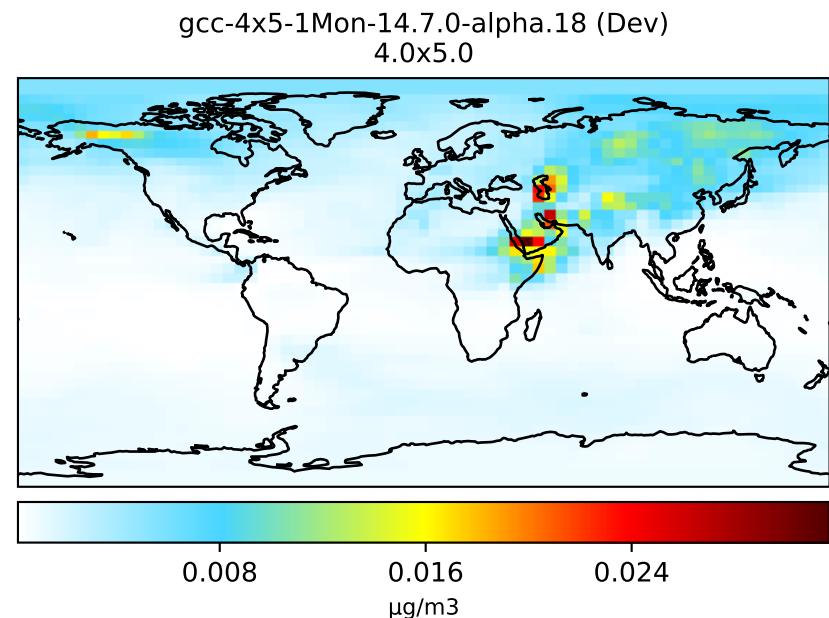
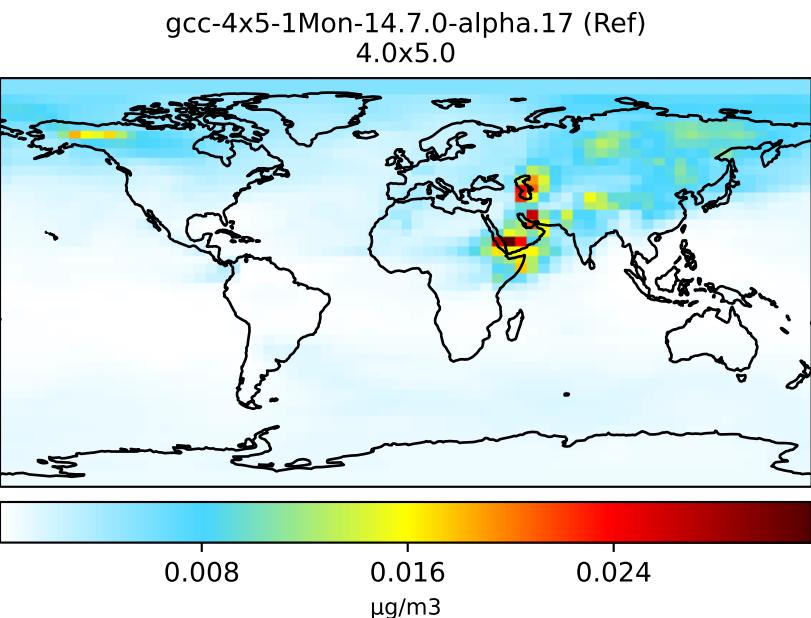
# SpeciesConcVV\_NIT



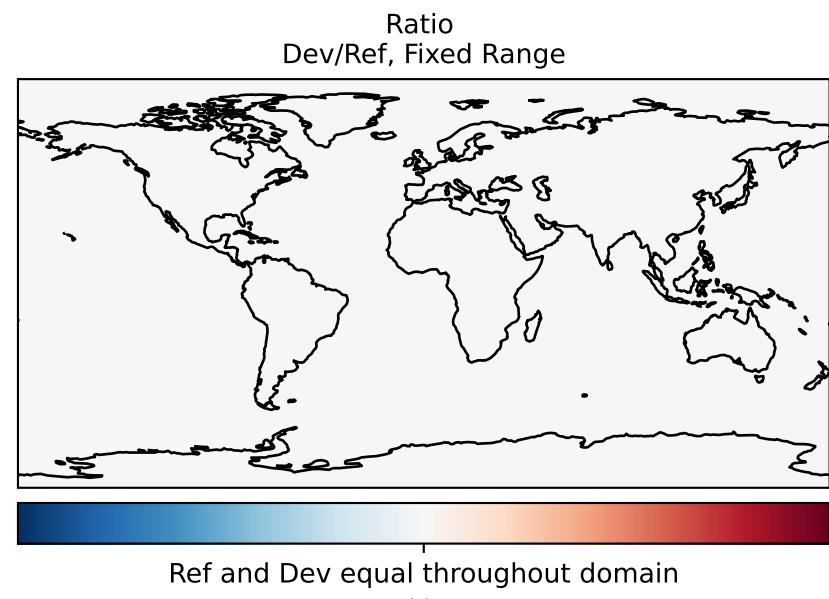
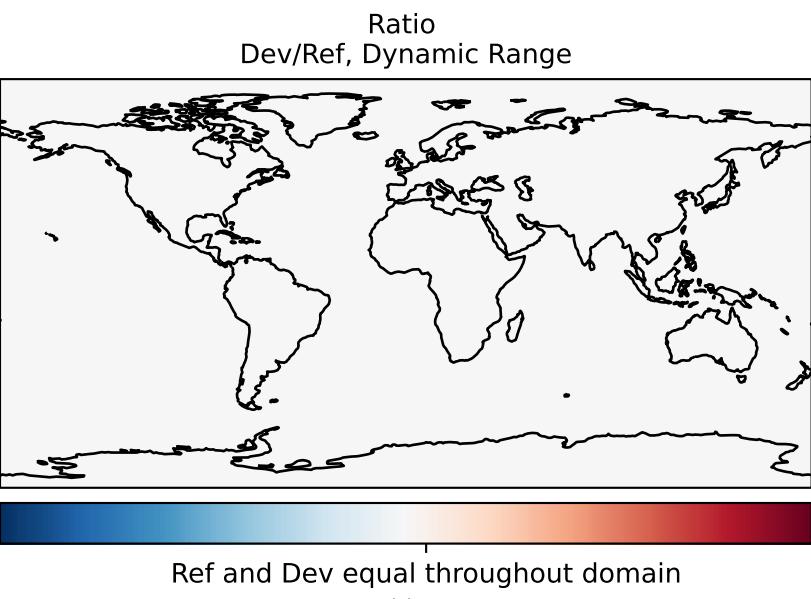
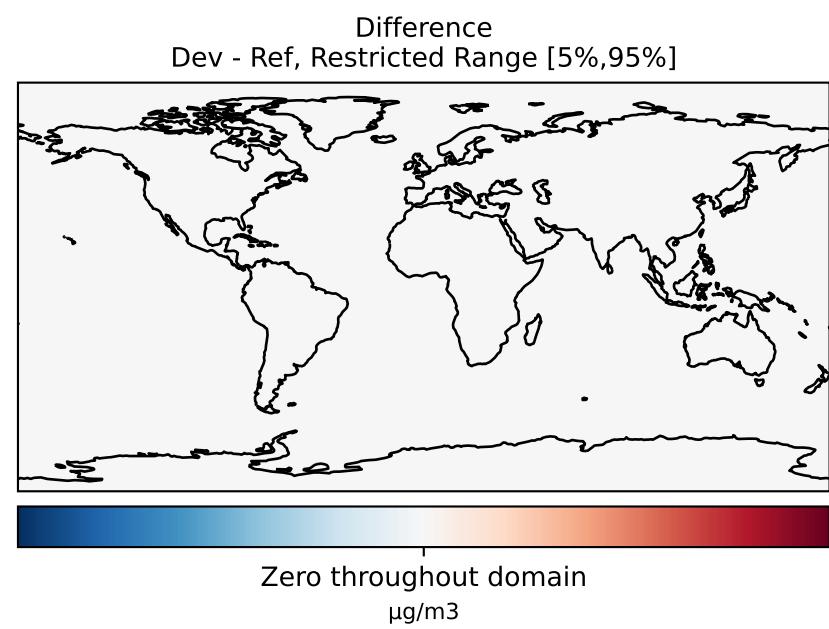
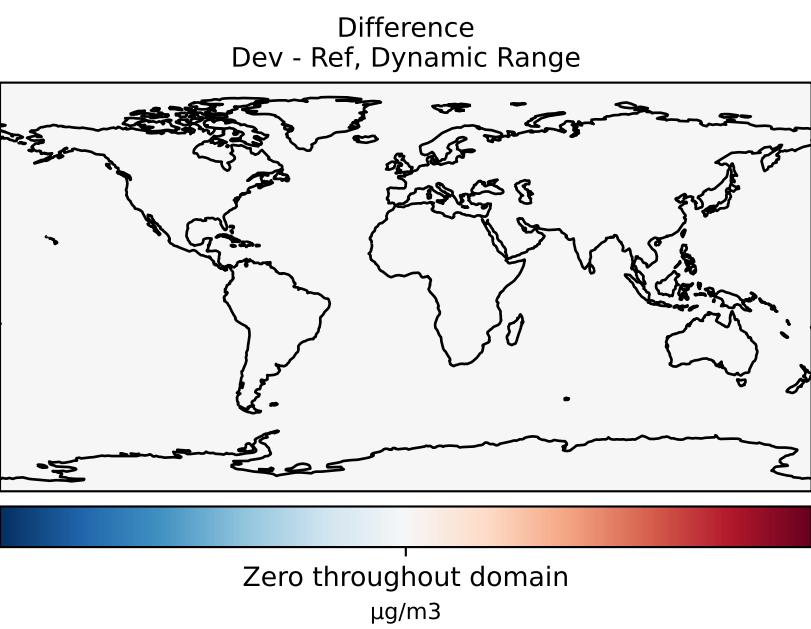
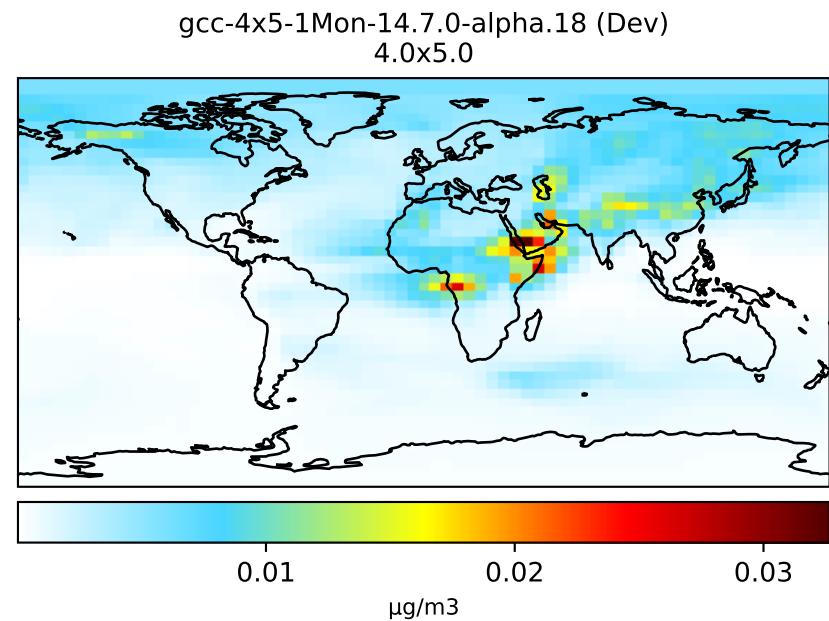
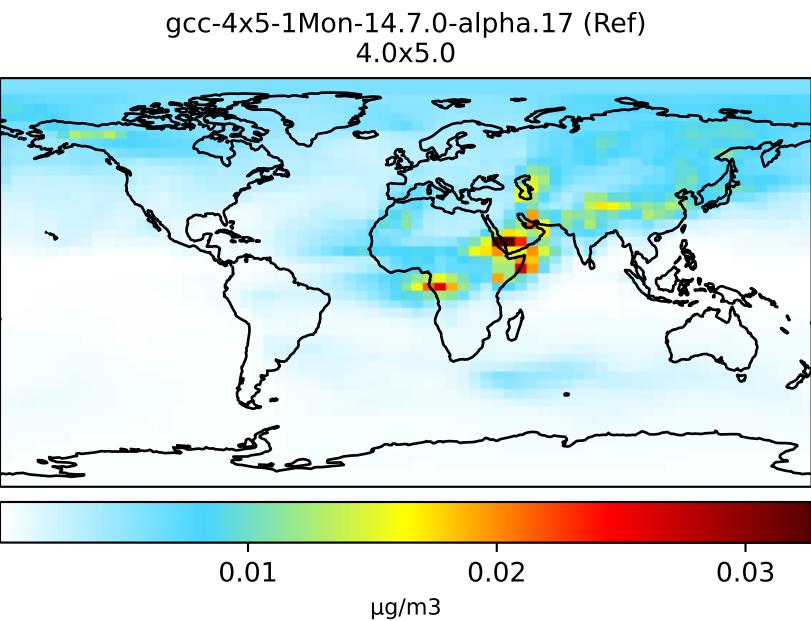
# SpeciesConcVV\_SO4



# SpeciesConcVV\_HMS

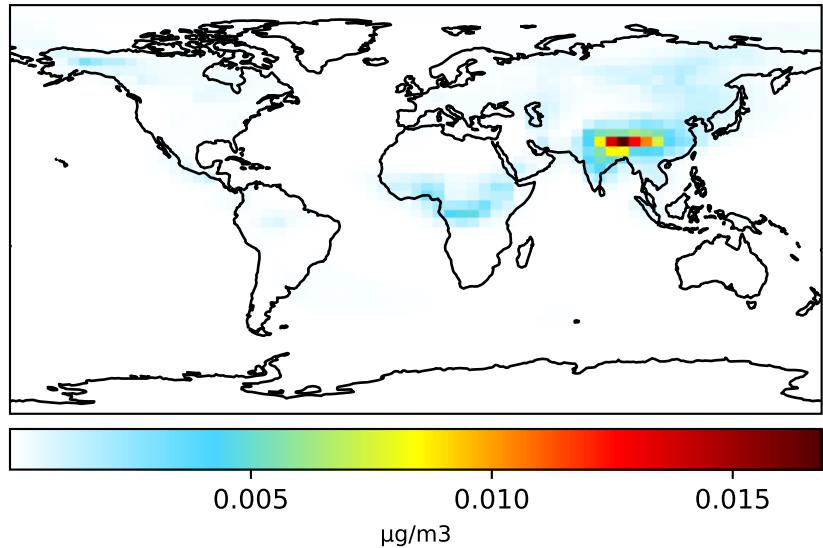


# SpeciesConcVV\_BCPI

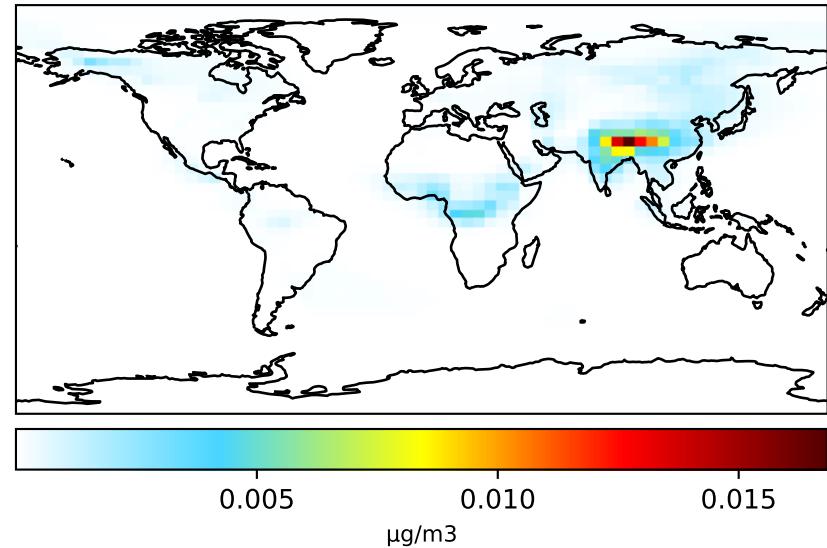


# SpeciesConcVV\_BCPO

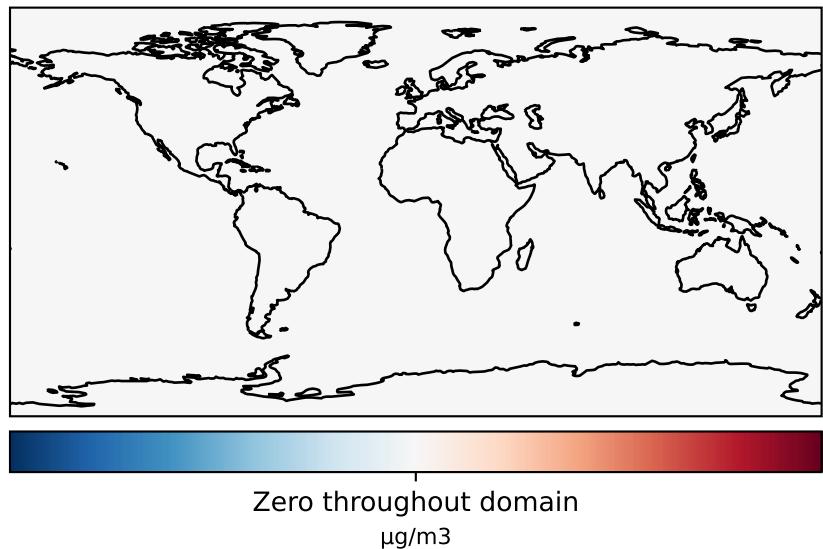
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



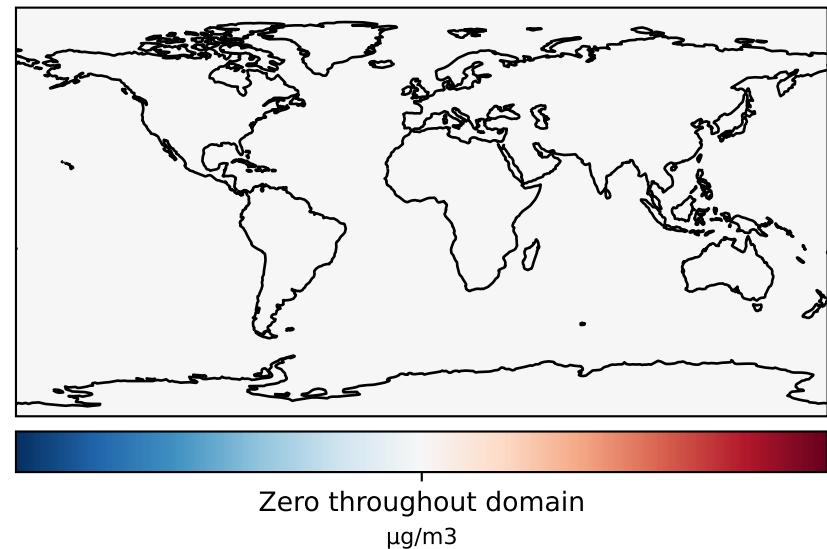
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



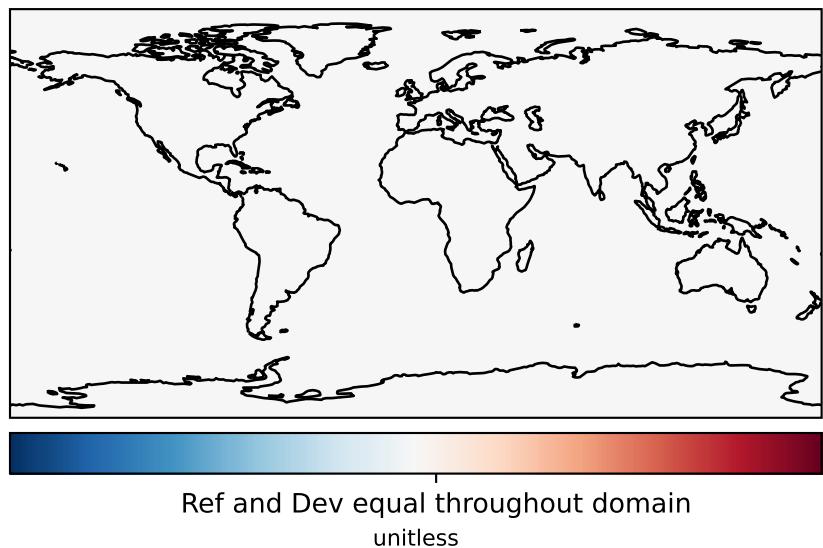
Difference  
Dev - Ref, Dynamic Range



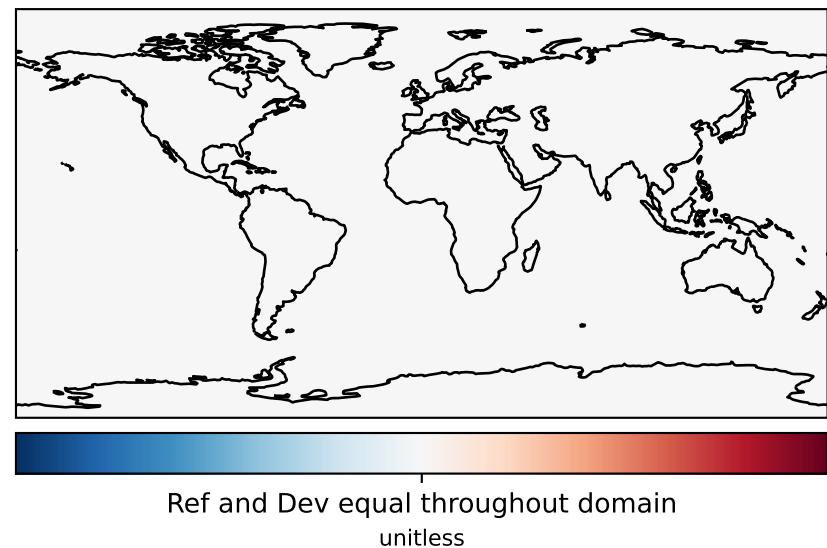
Difference  
Dev - Ref, Restricted Range [5%,95%]



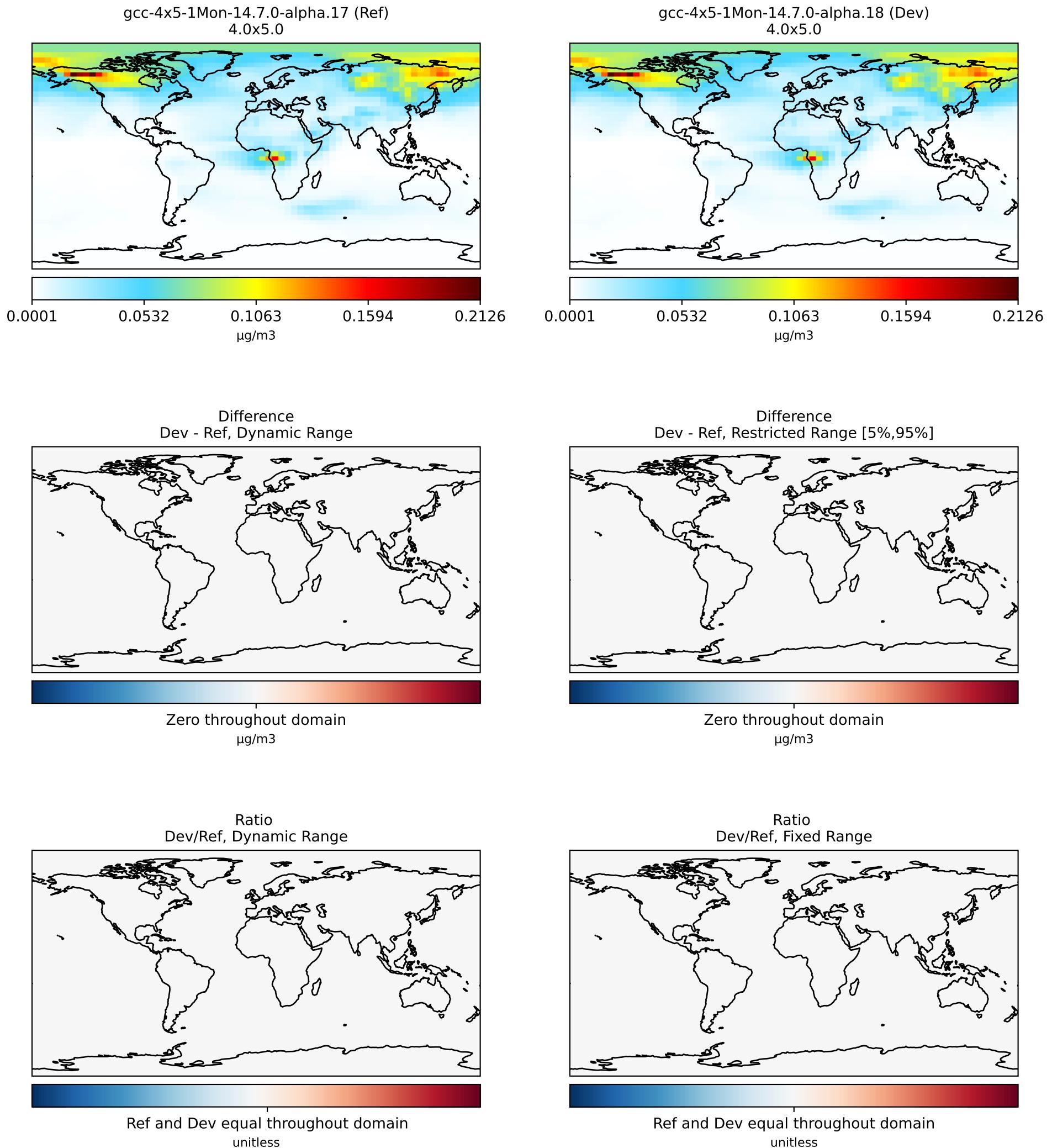
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

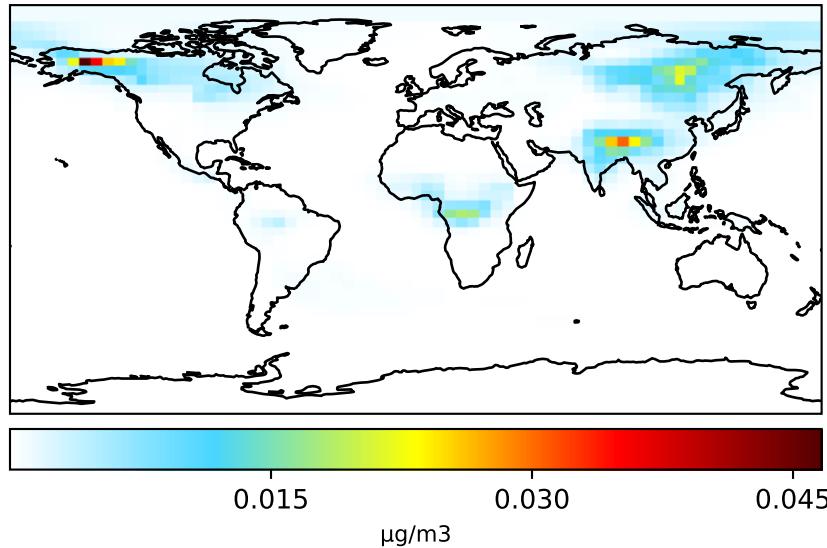


# SpeciesConcVV\_OCPI

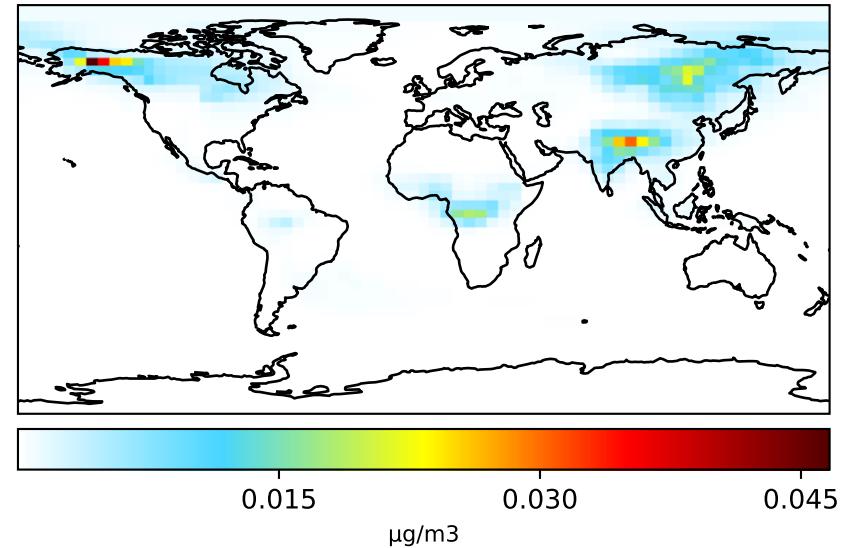


# SpeciesConcVV\_OCPO

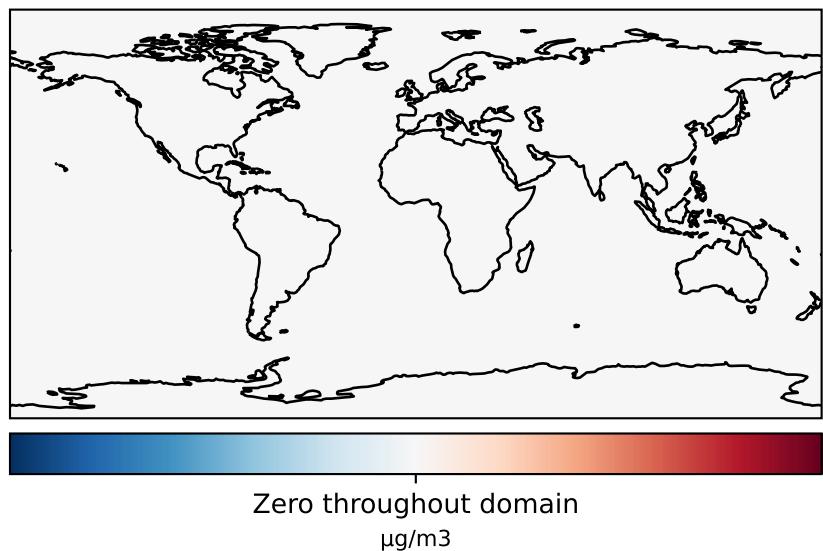
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0

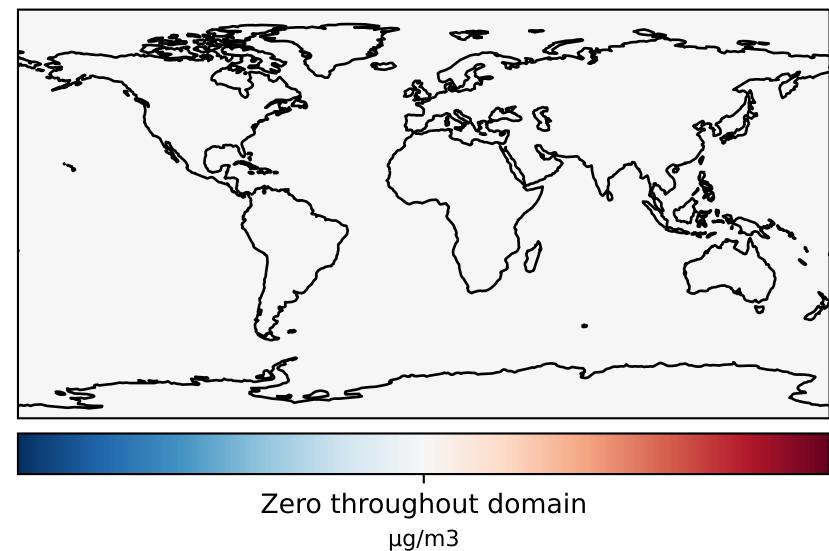


Difference  
Dev - Ref, Dynamic Range



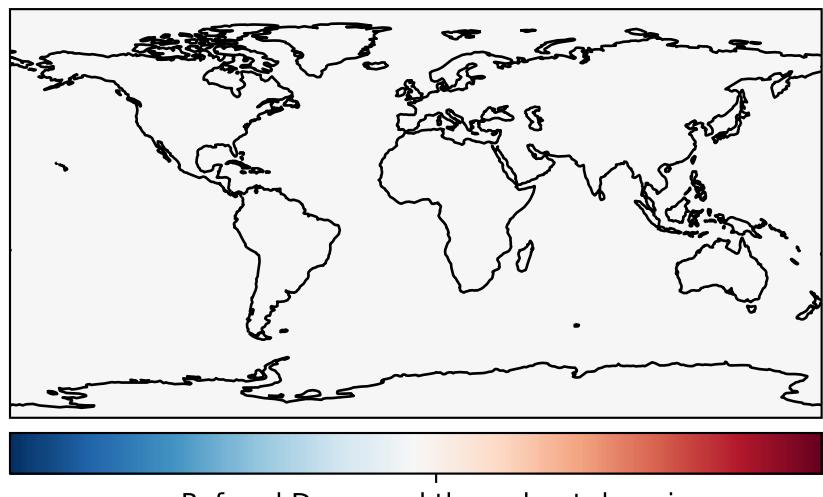
Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

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



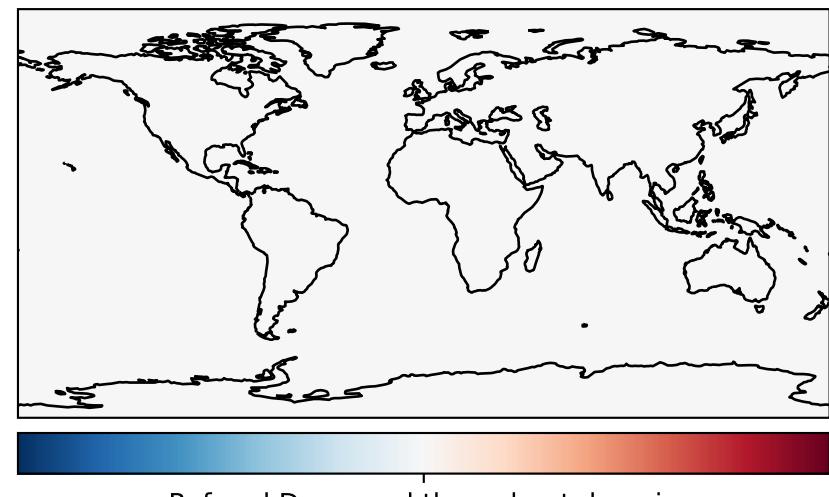
Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



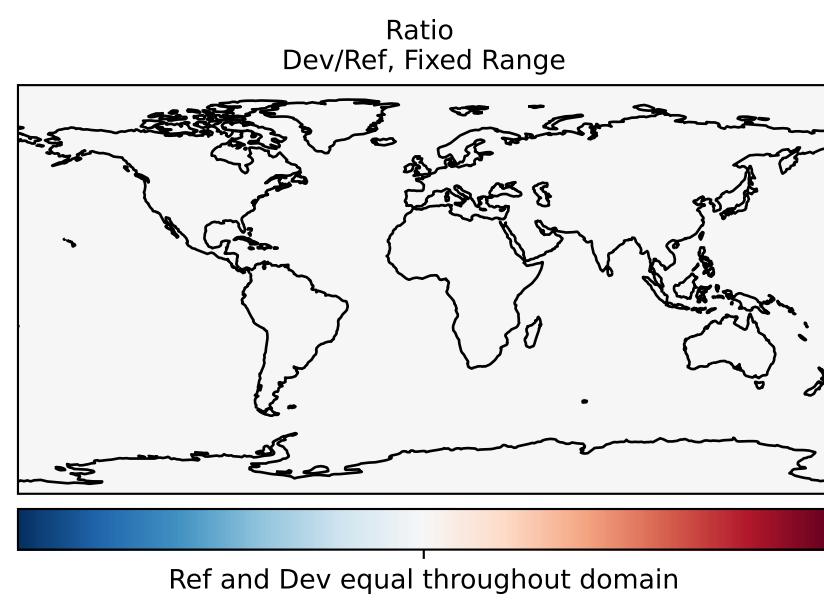
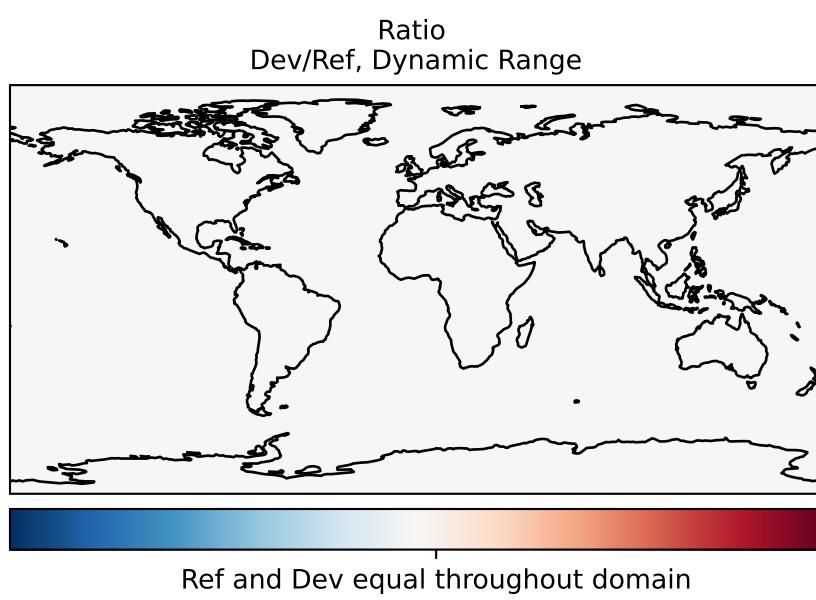
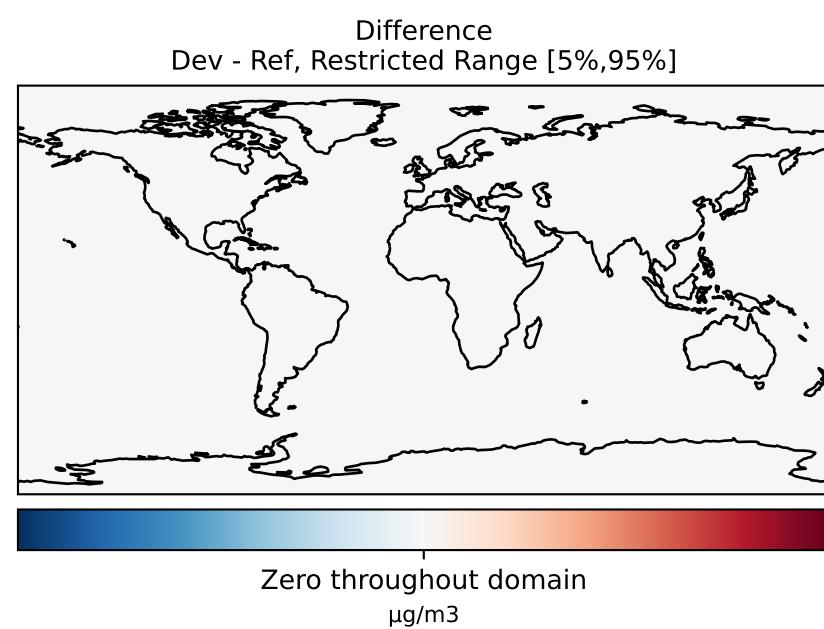
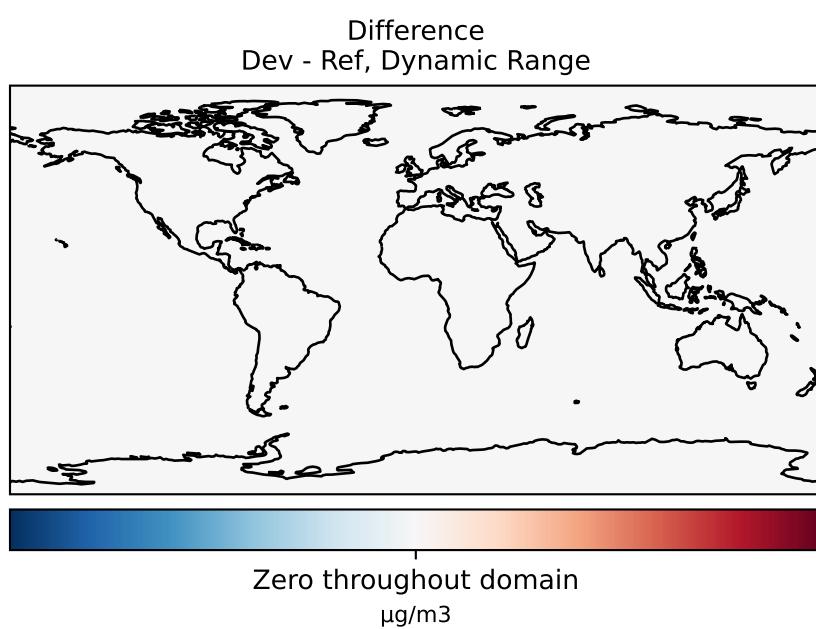
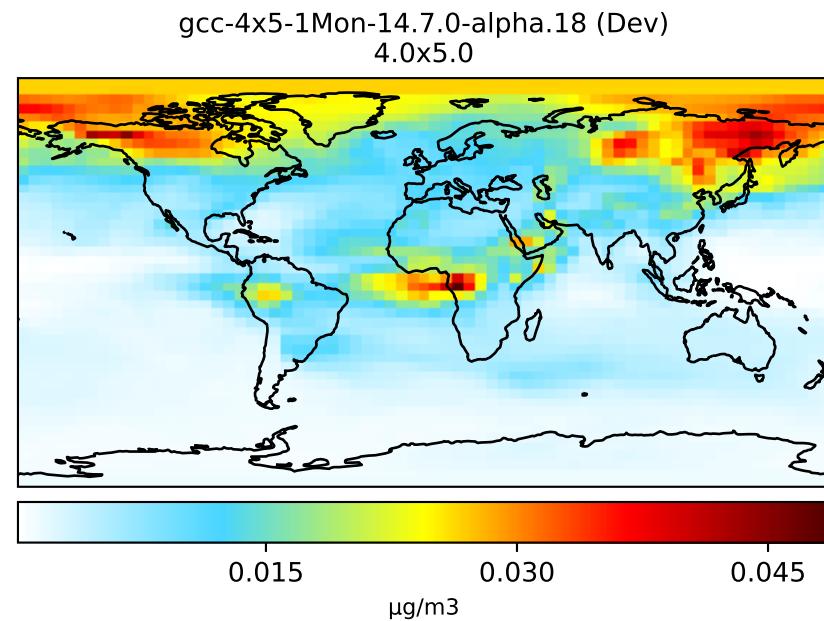
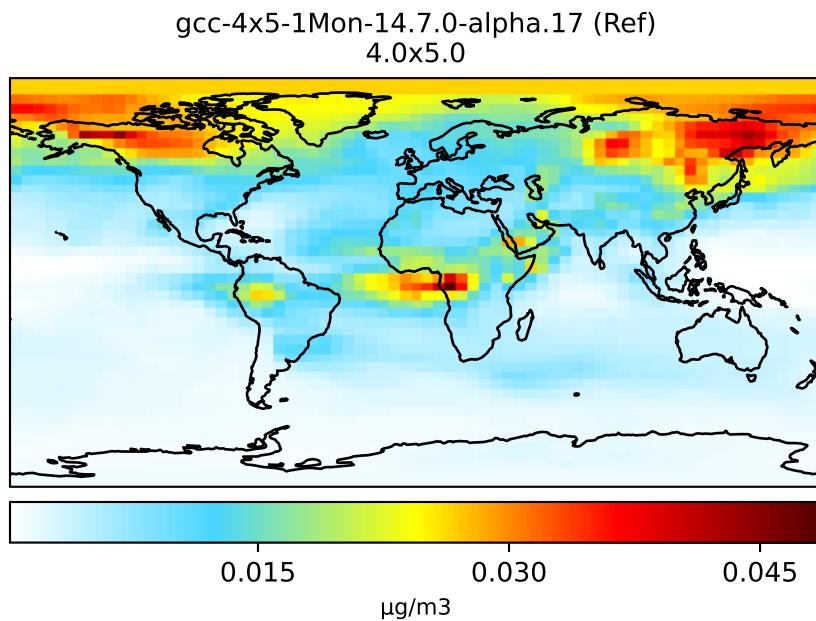
Ref and Dev equal throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range



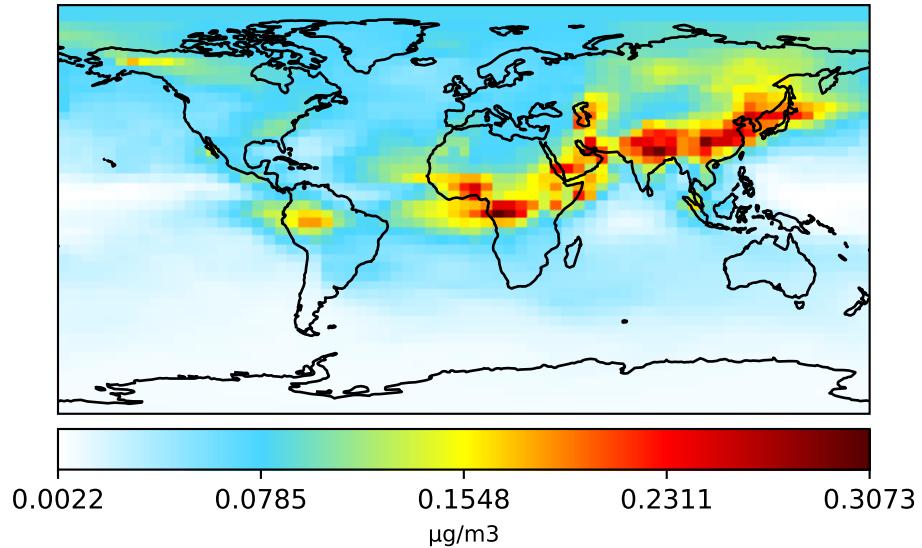
Ref and Dev equal throughout domain  
unitless

# SpeciesConcVV\_Complex\_SOA

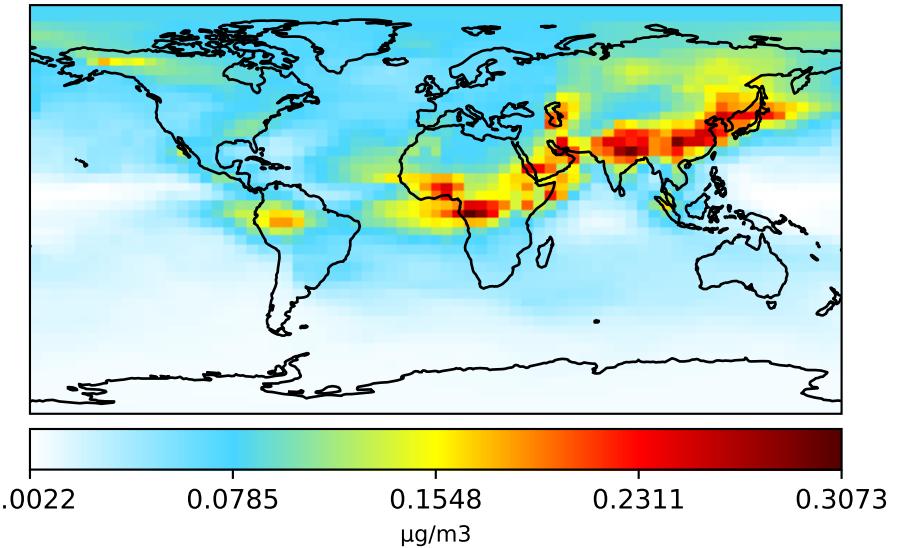


# SpeciesConcVV\_Simple\_SOA

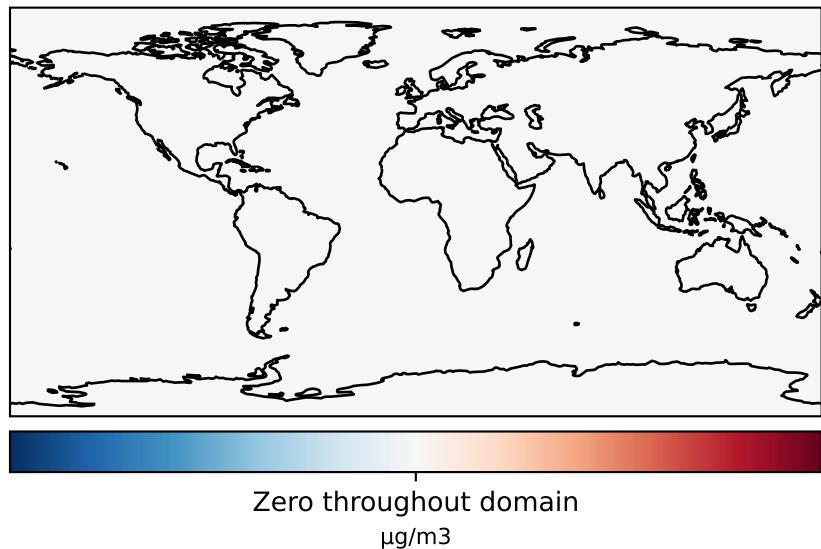
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



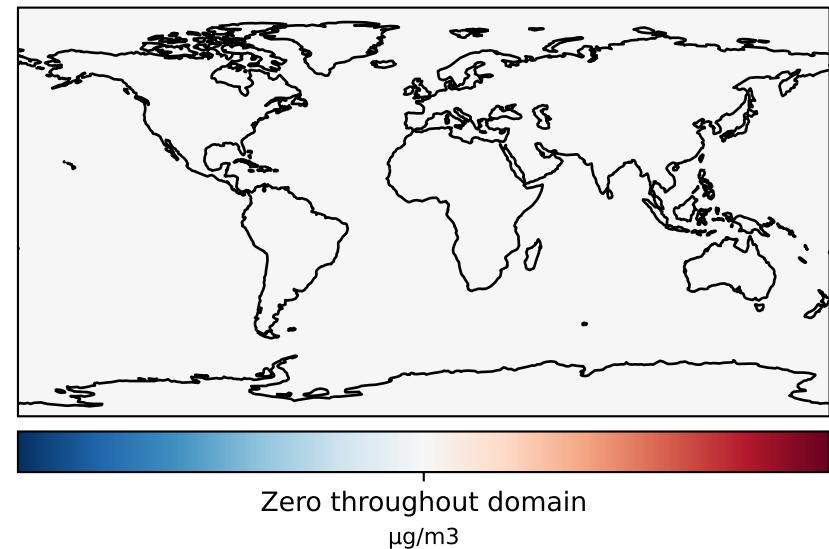
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



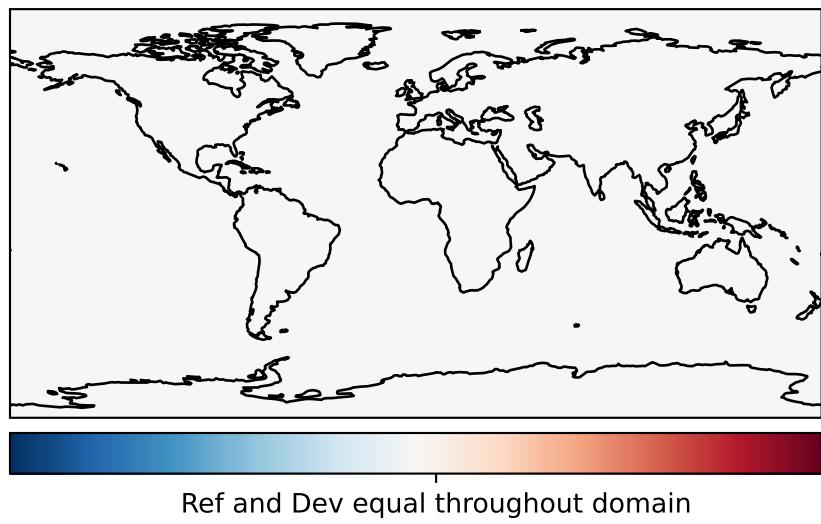
Difference  
Dev - Ref, Dynamic Range



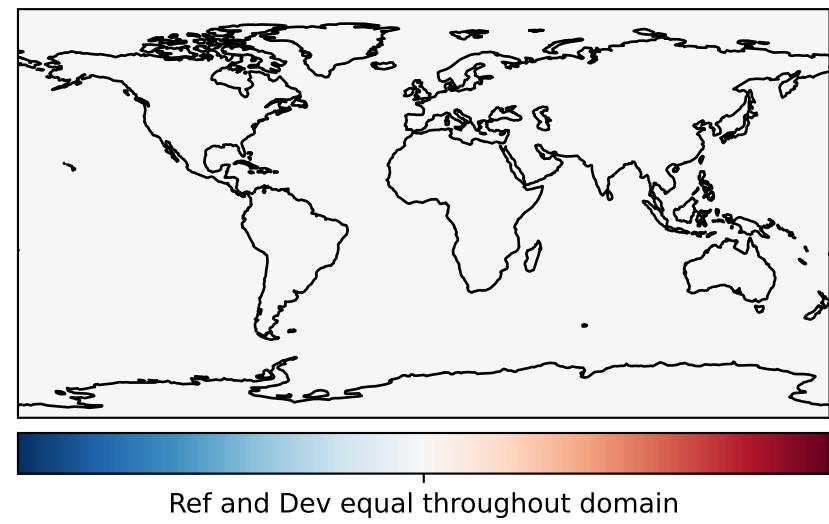
Difference  
Dev - Ref, Restricted Range [5%,95%]



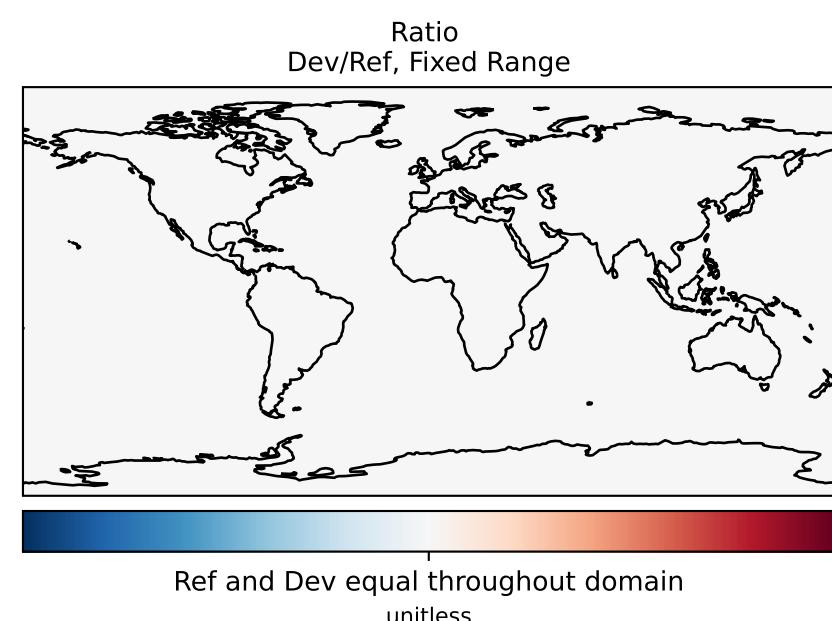
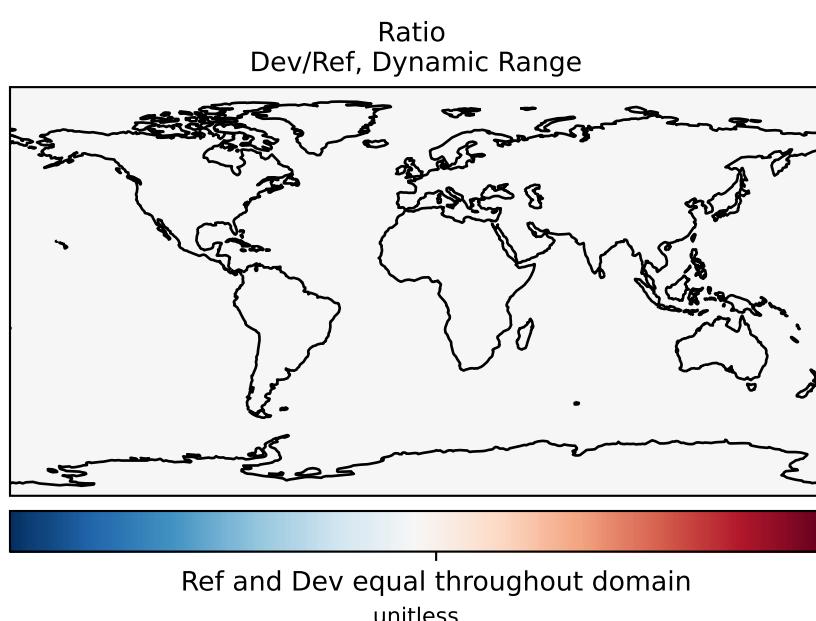
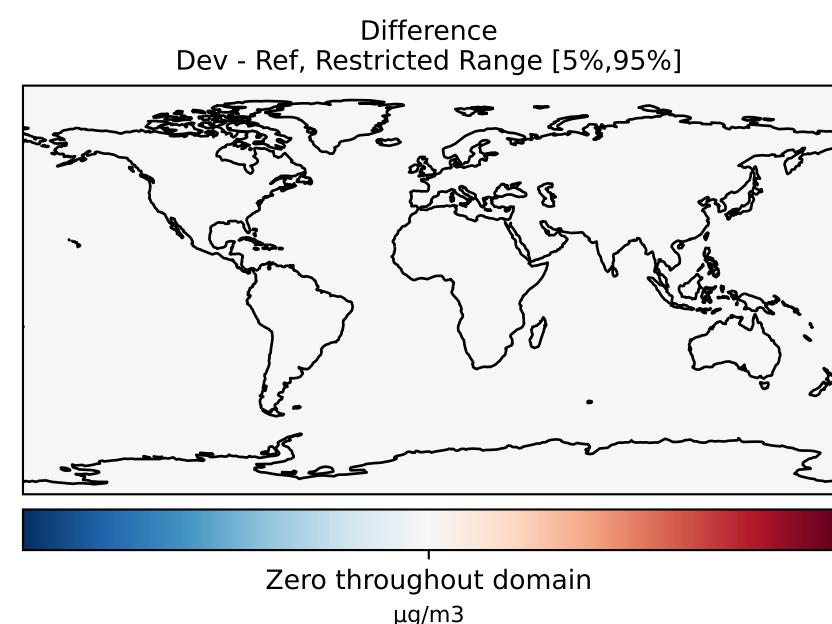
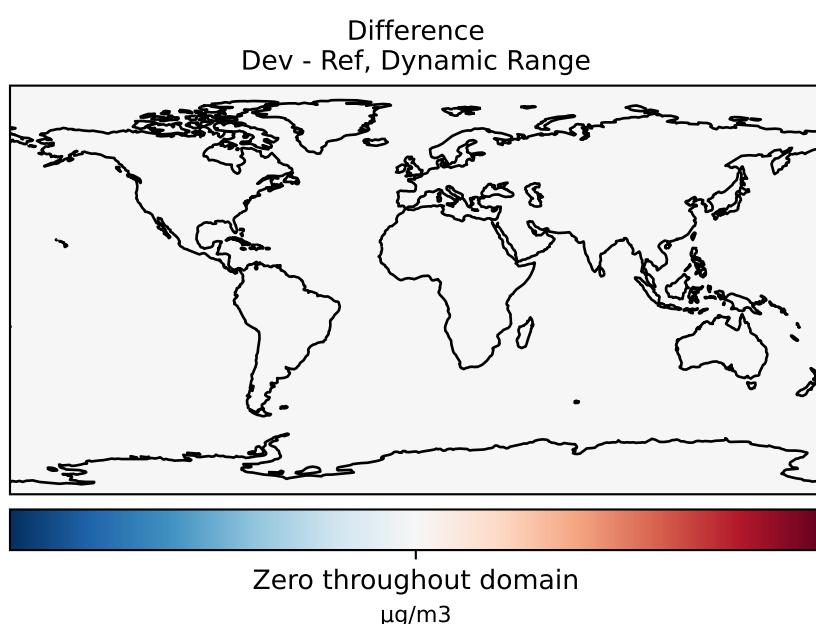
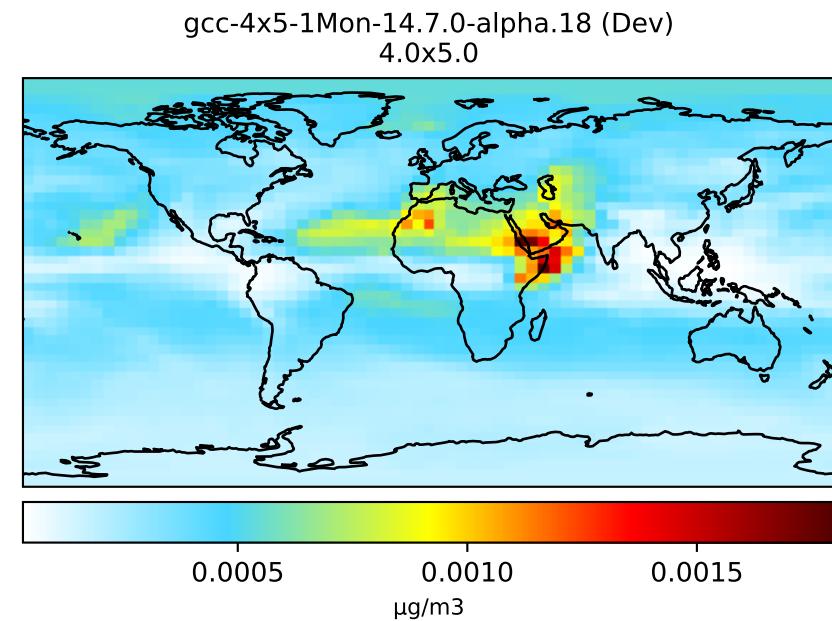
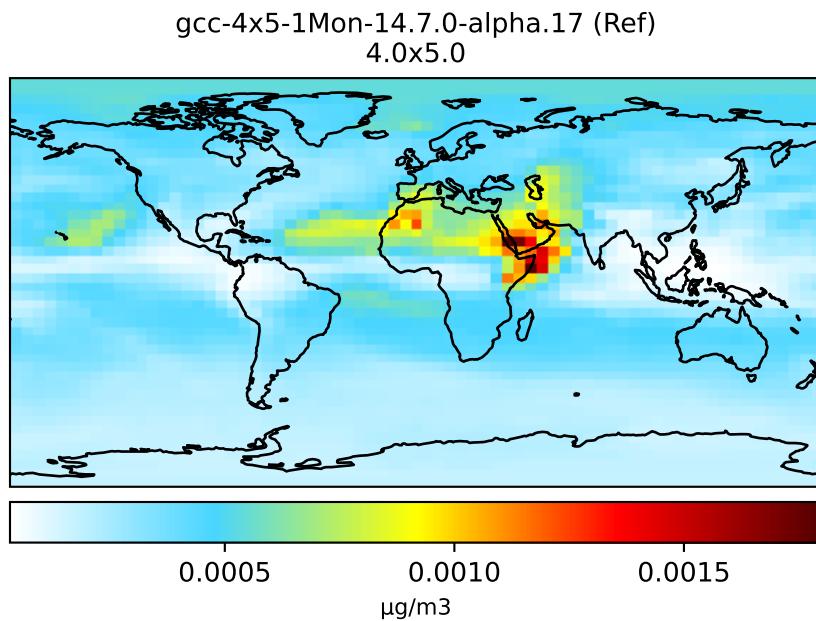
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

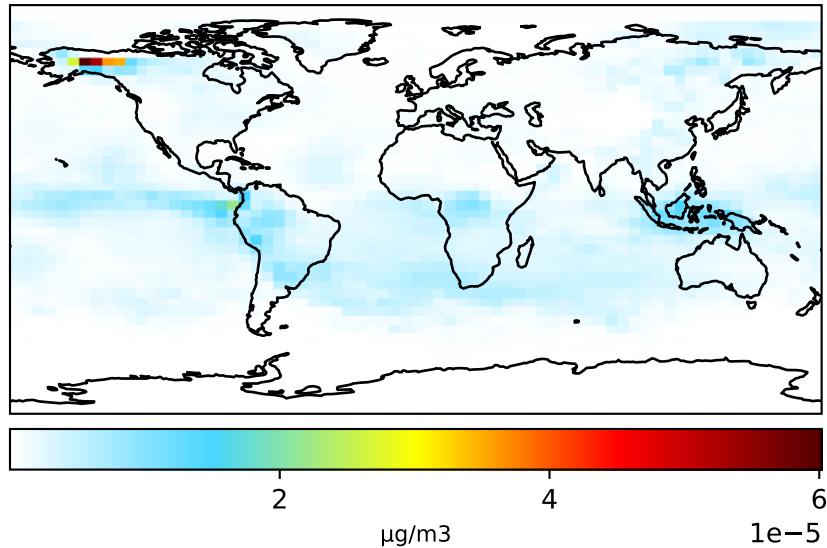


# SpeciesConcVV\_AERI

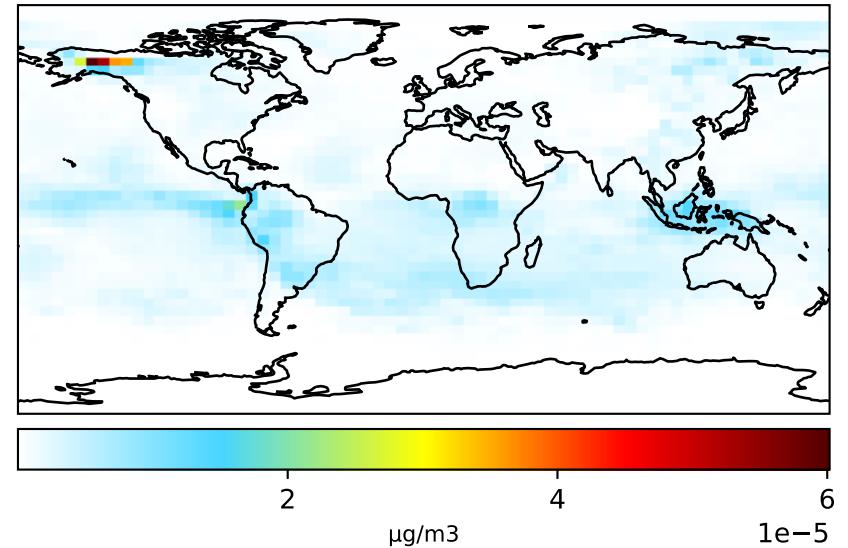


# SpeciesConcVV\_BrSALA

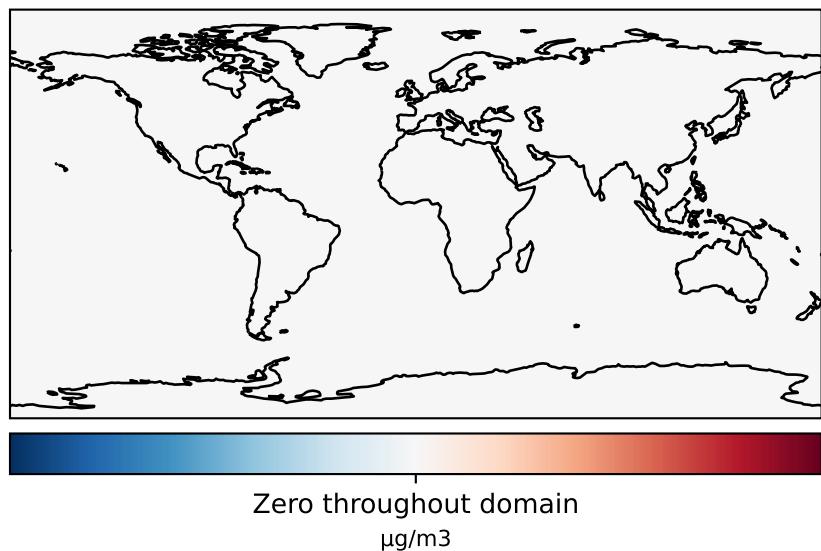
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



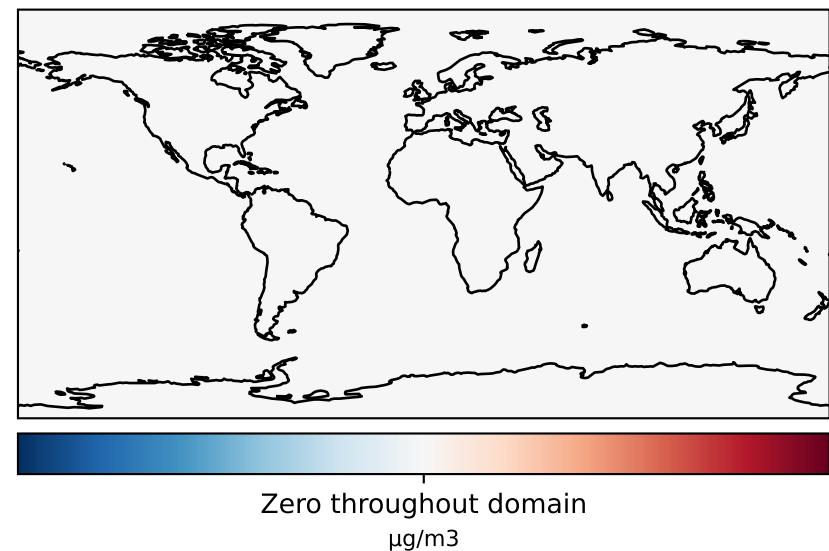
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



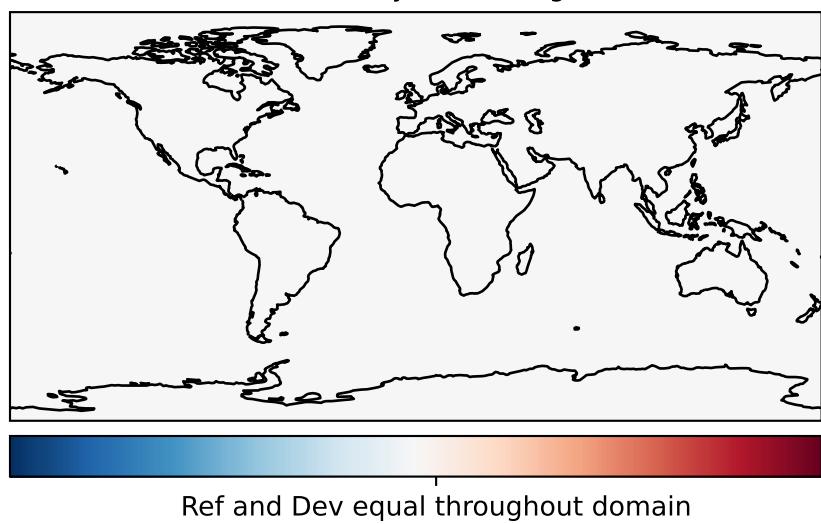
Difference  
Dev - Ref, Restricted Range [5%, 95%]



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

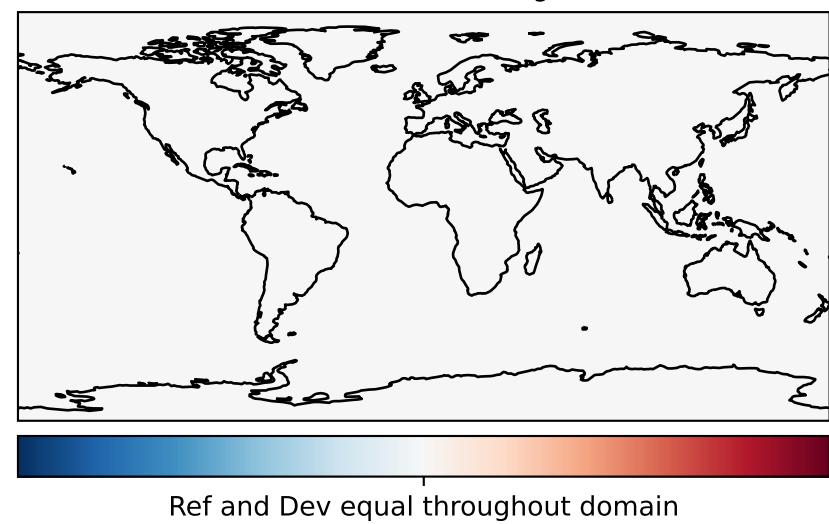
Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

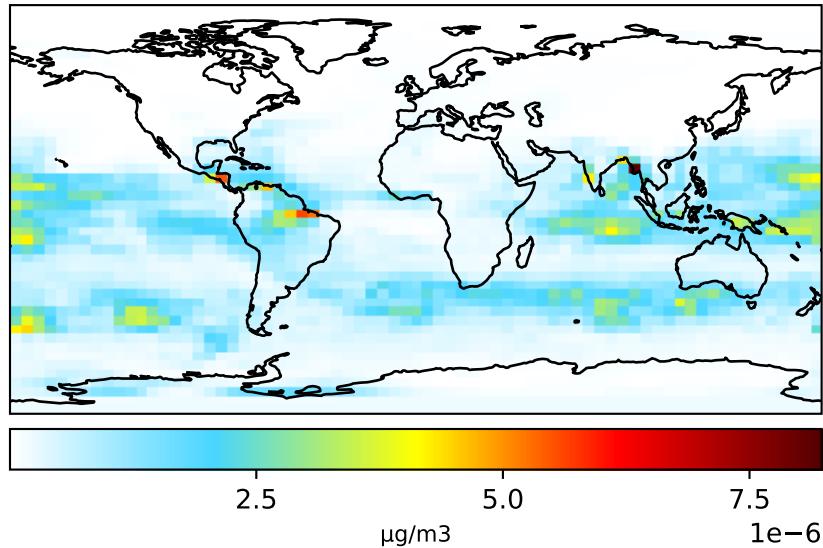
Ratio  
Dev/Ref, Fixed Range



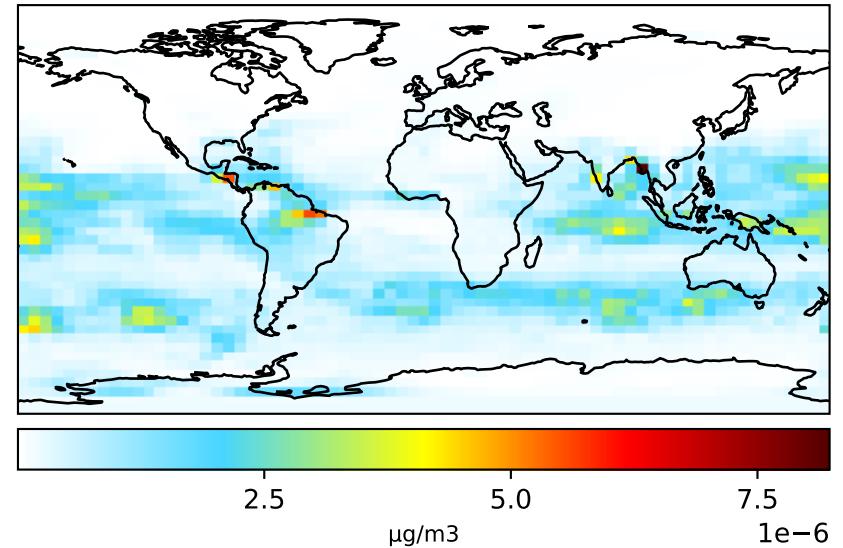
Ref and Dev equal throughout domain  
unitless

# SpeciesConcVV\_BrSALC

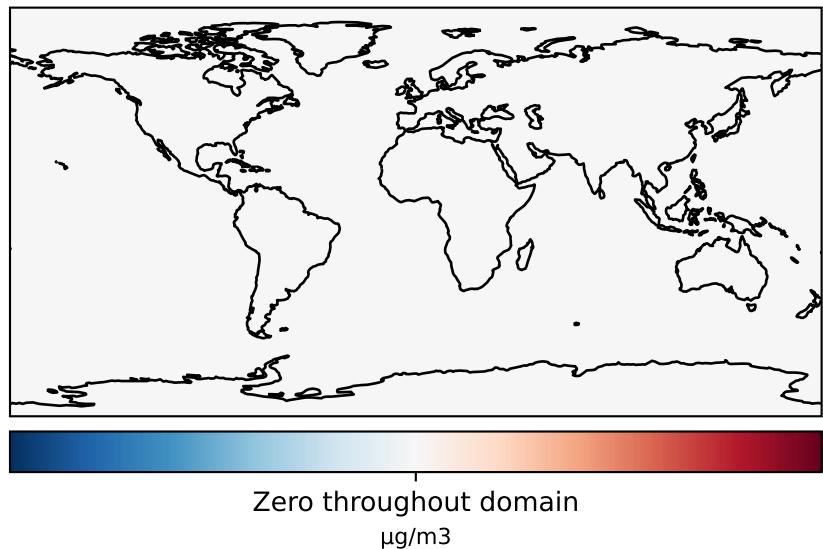
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



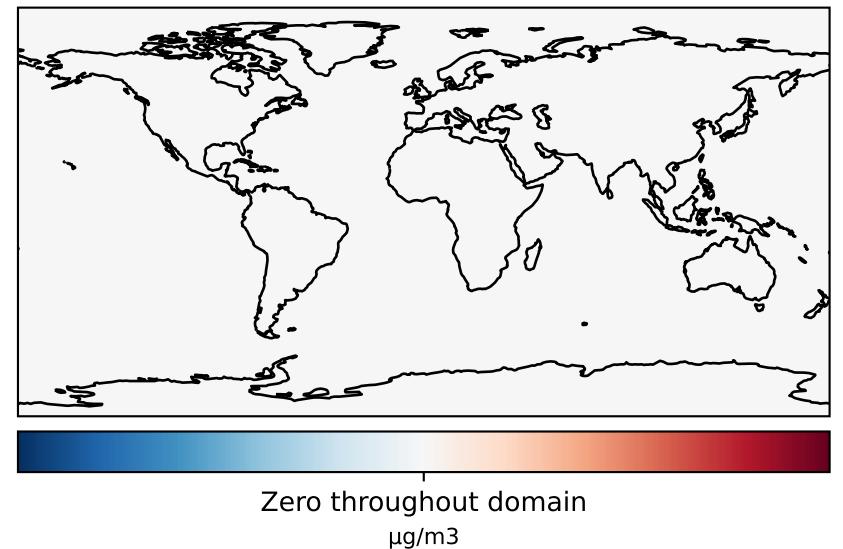
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



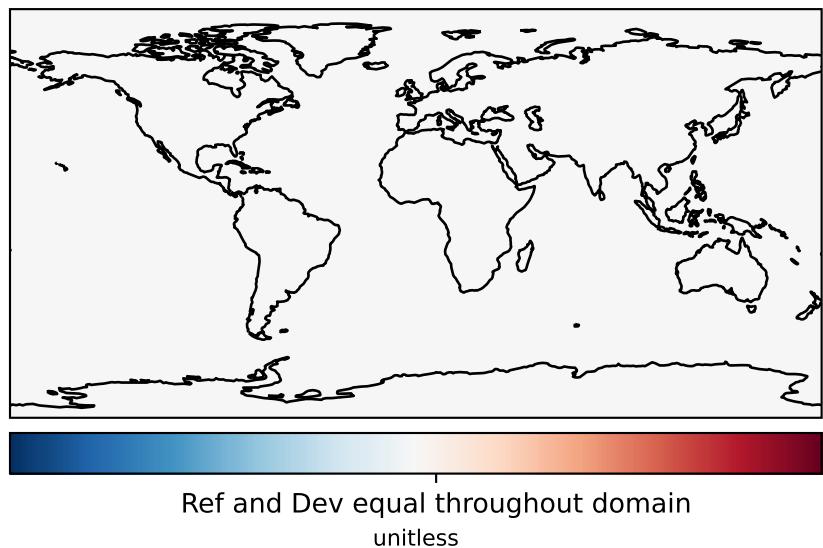
Difference  
Dev - Ref, Dynamic Range



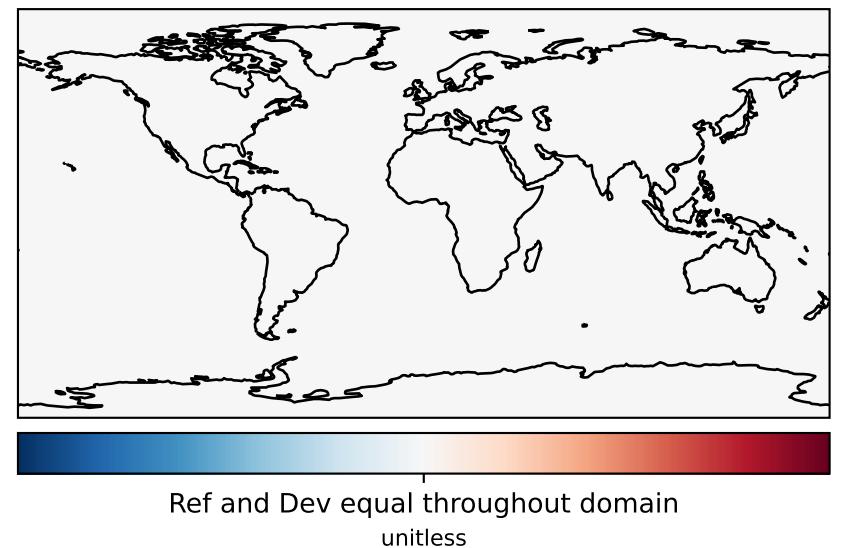
Difference  
Dev - Ref, Restricted Range [5%,95%]



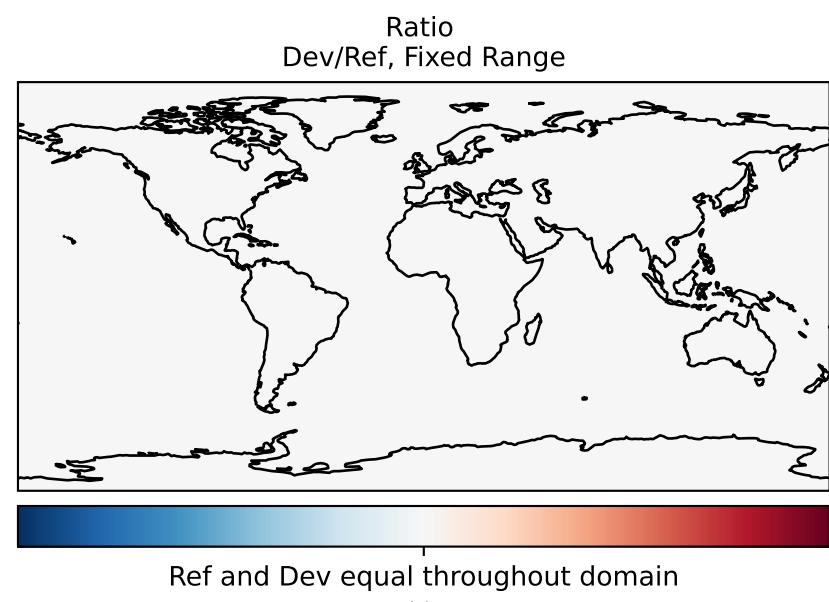
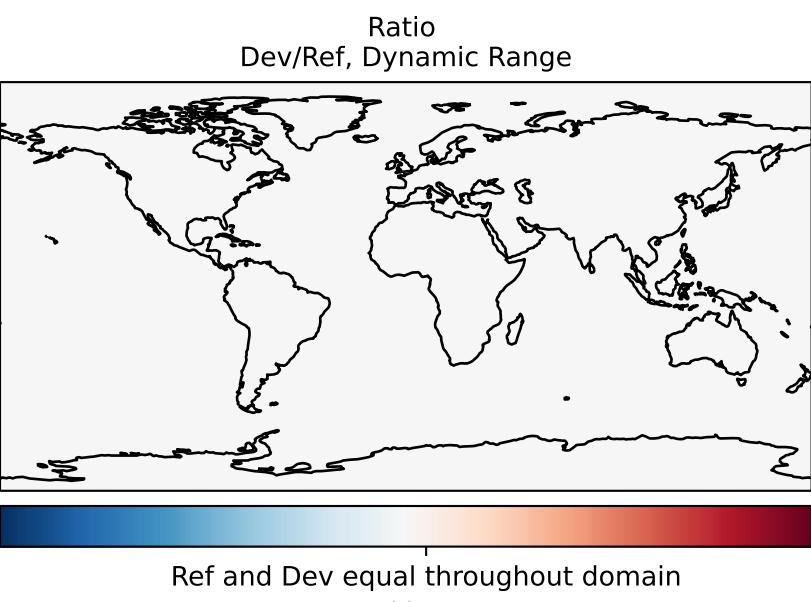
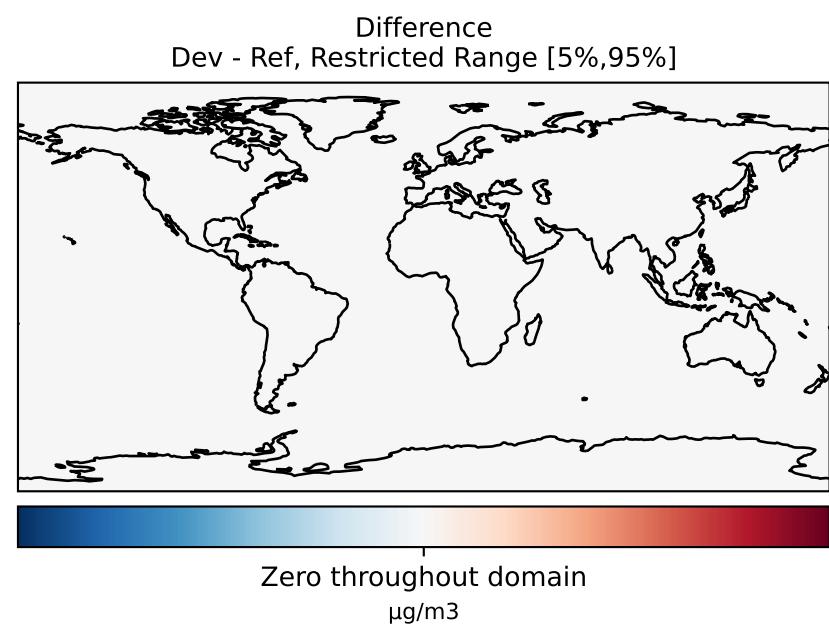
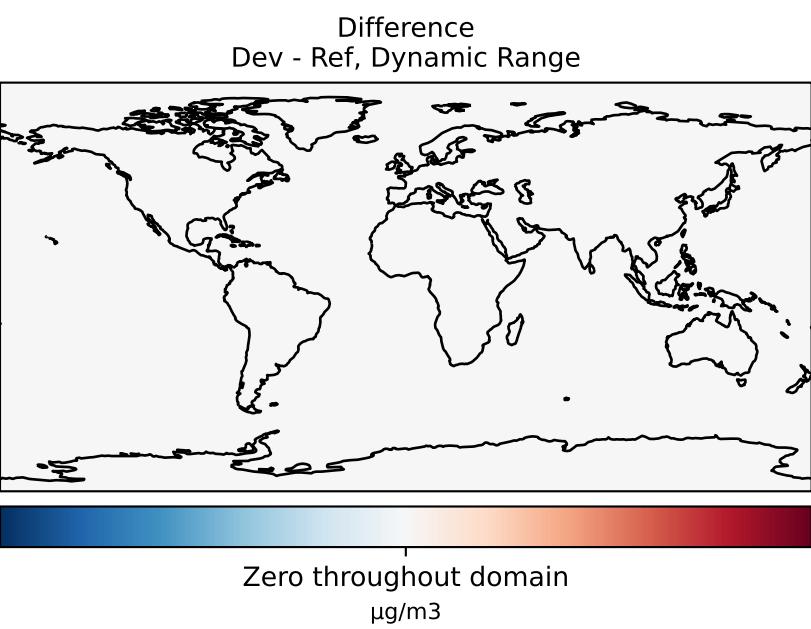
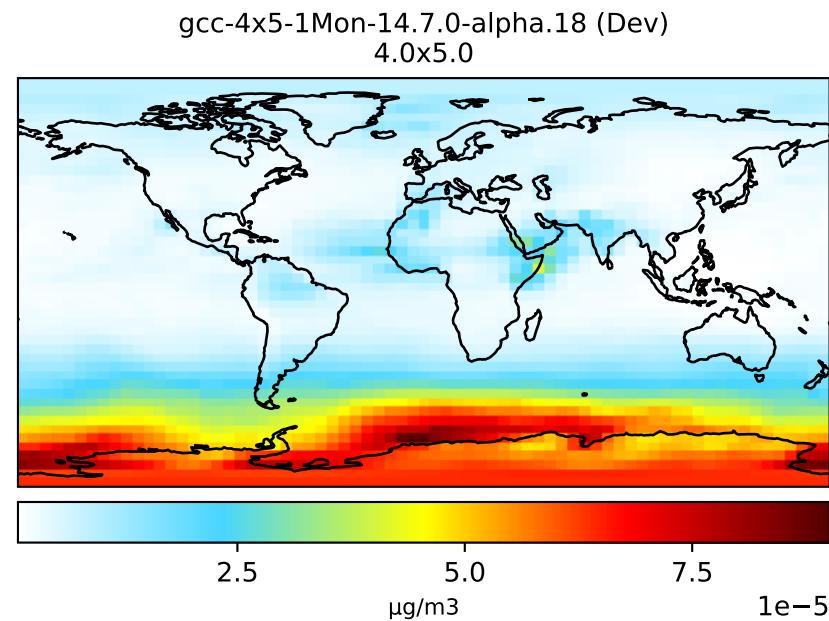
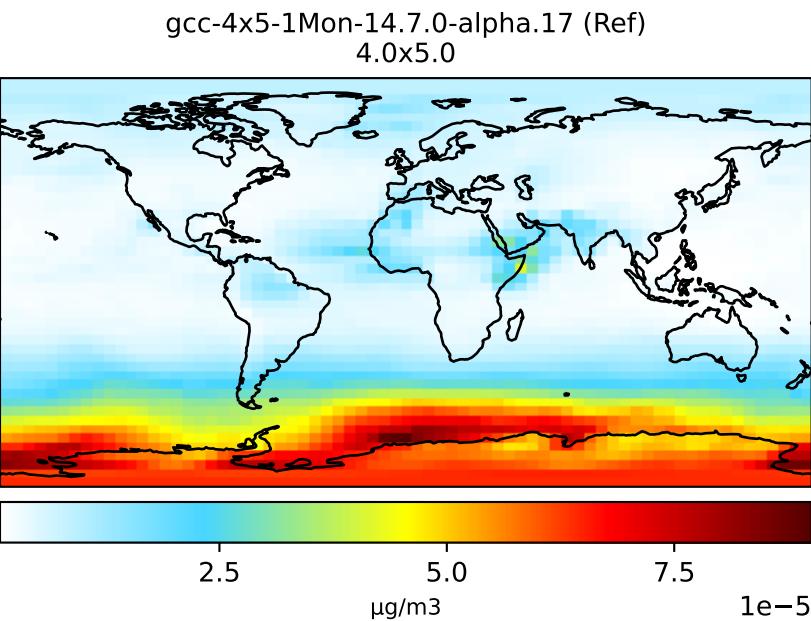
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

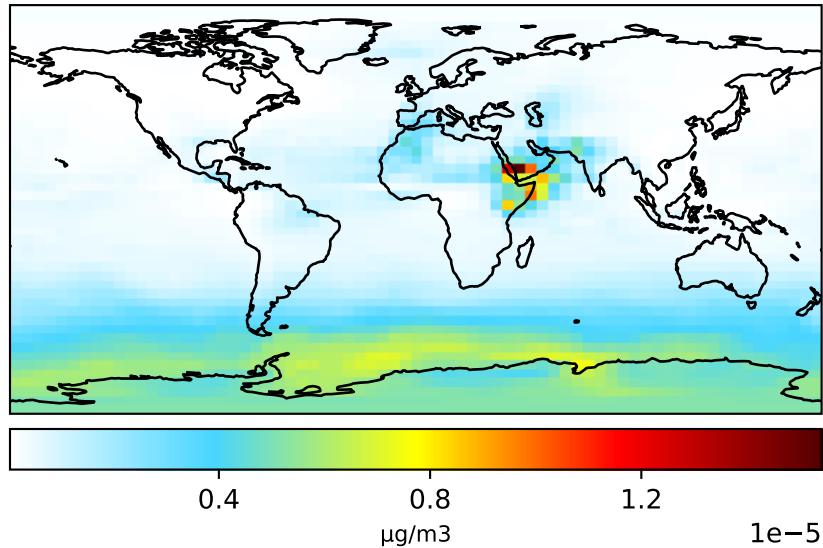


# SpeciesConcVV\_ISALA

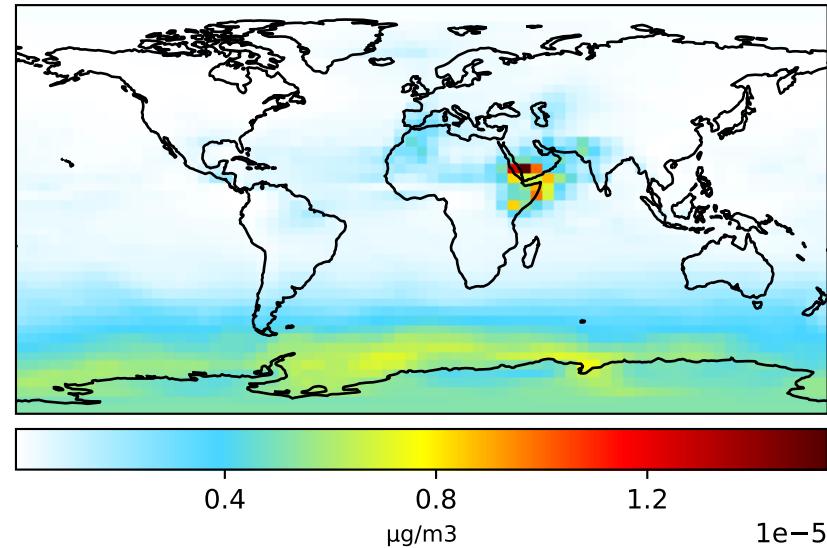


# SpeciesConcVV\_ISALC

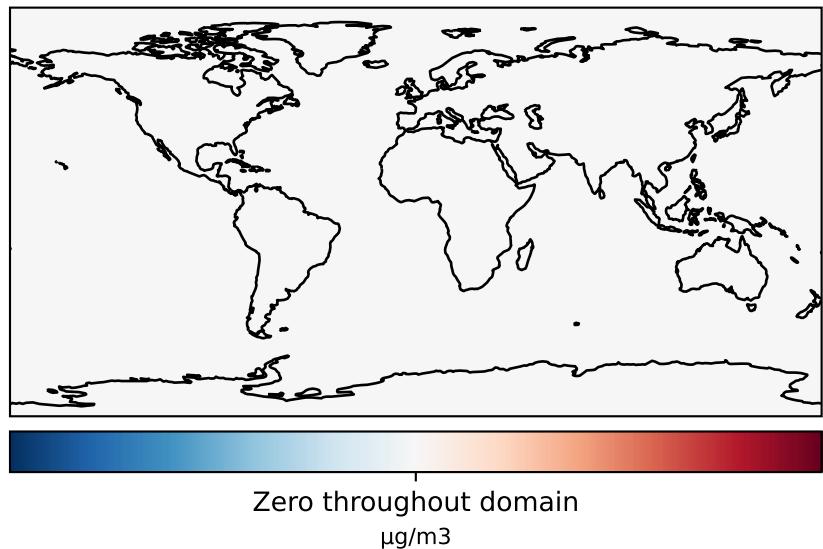
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



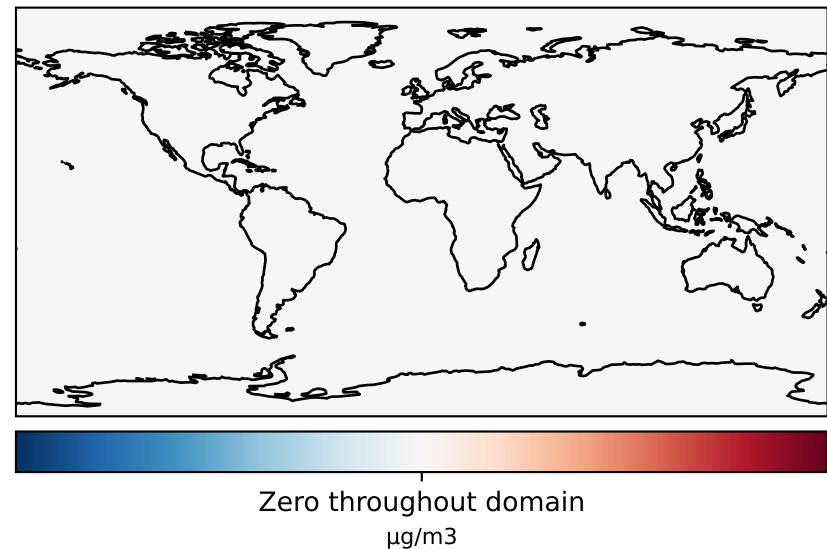
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



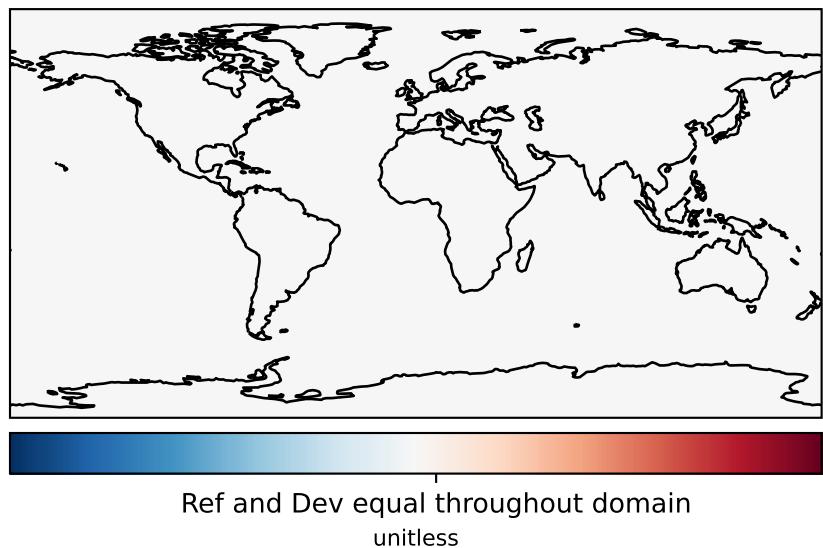
Difference  
Dev - Ref, Dynamic Range



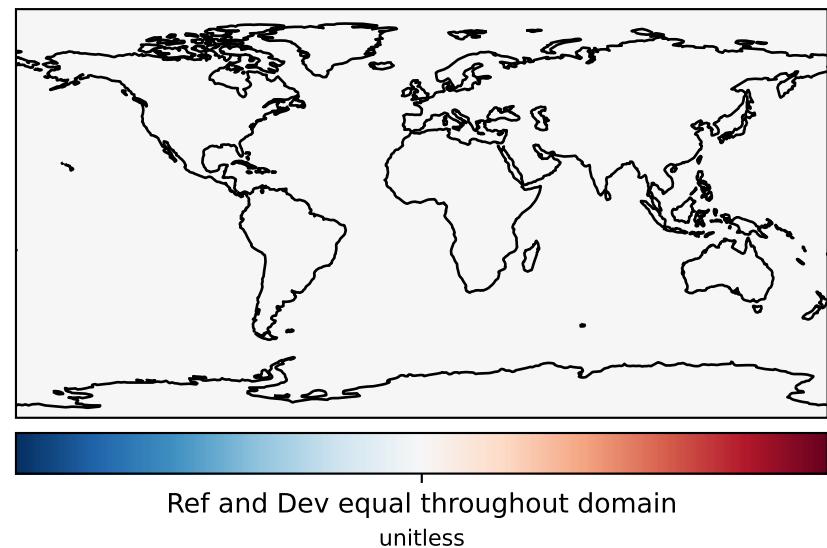
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

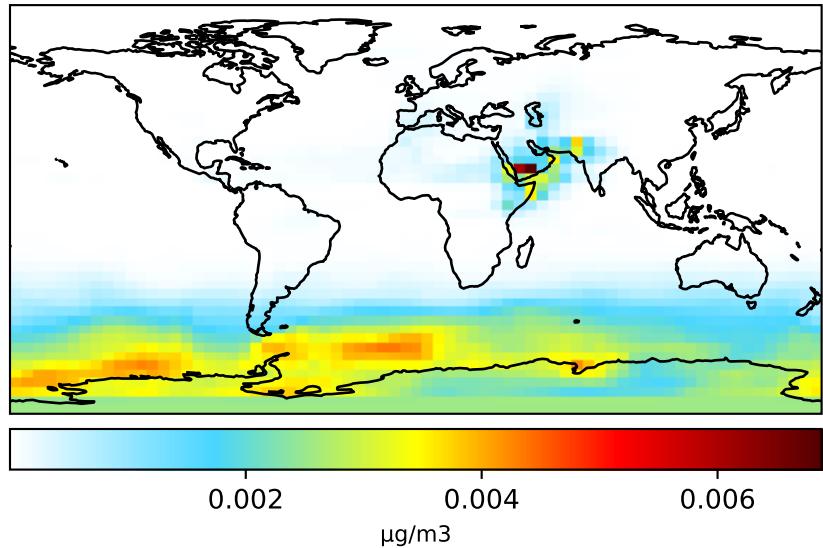


Ratio  
Dev/Ref, Fixed Range

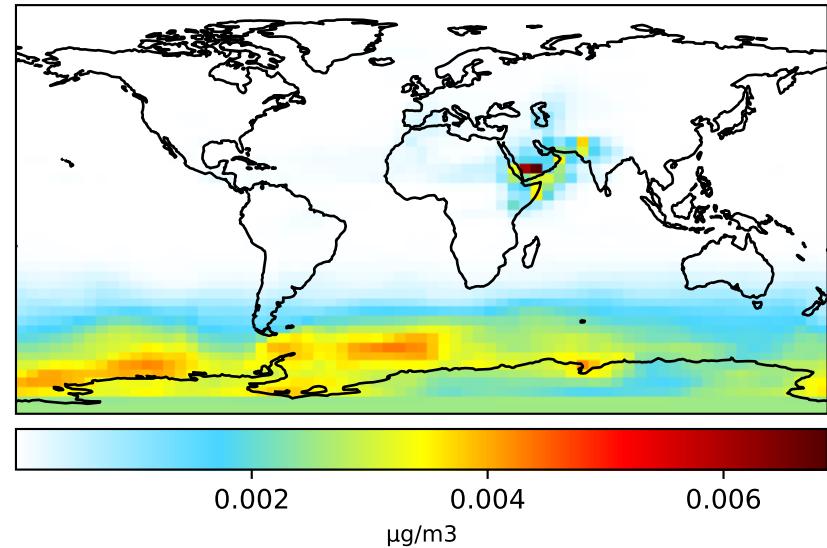


# SpeciesConcVV\_NITs

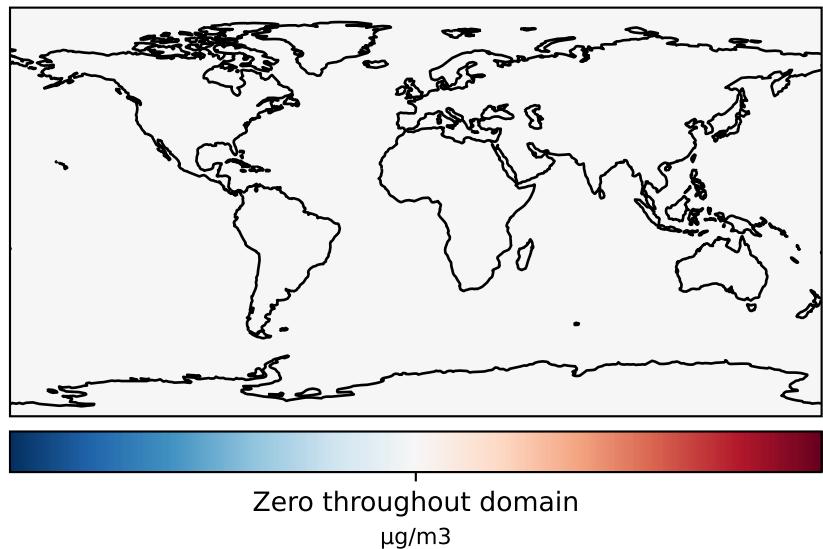
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



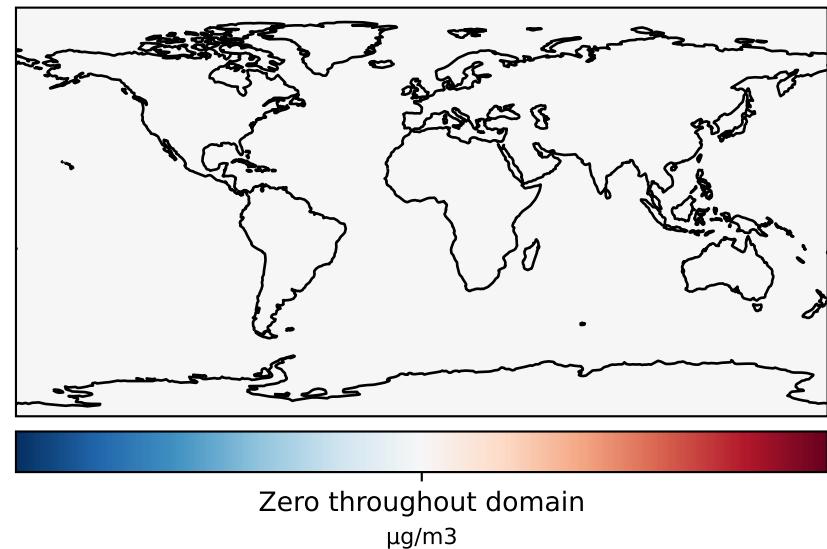
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



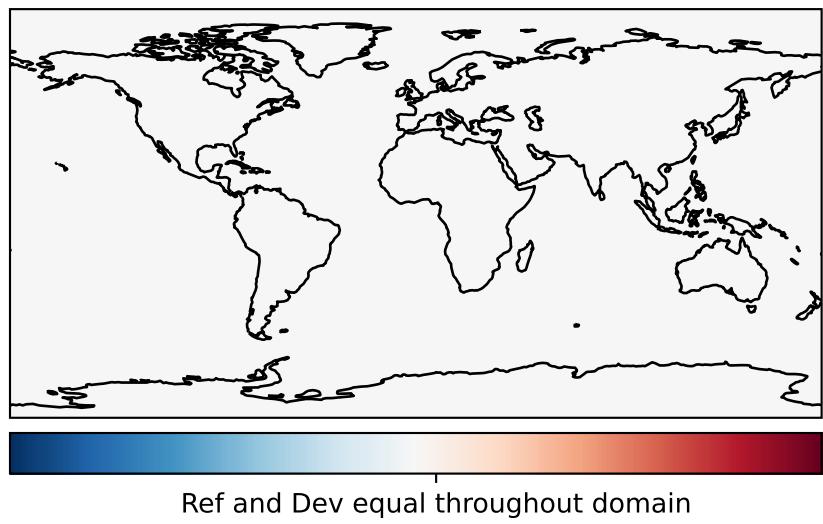
Difference  
Dev - Ref, Dynamic Range



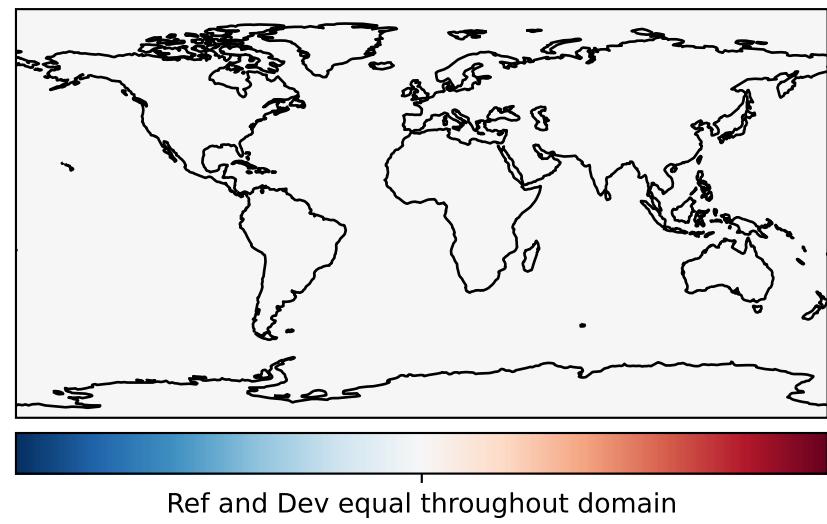
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Ratio  
Dev/Ref, Dynamic Range

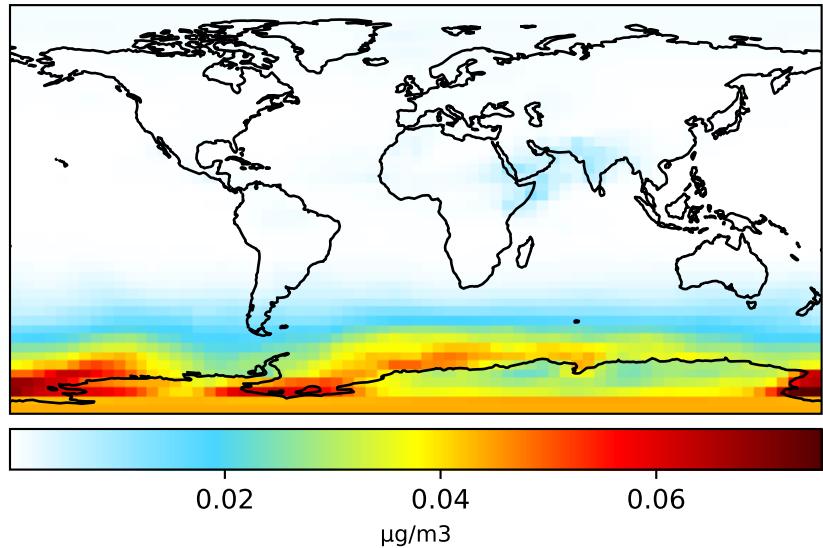


Ratio  
Dev/Ref, Fixed Range

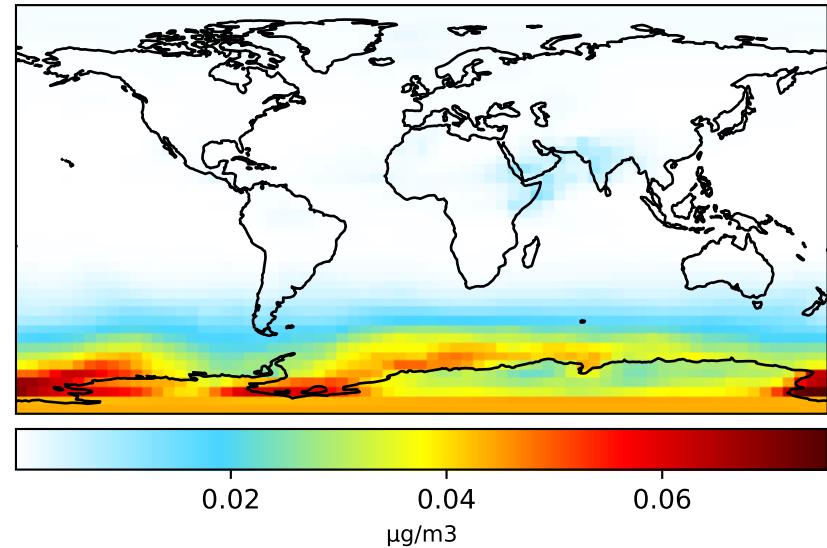


# SpeciesConcVV\_SALA

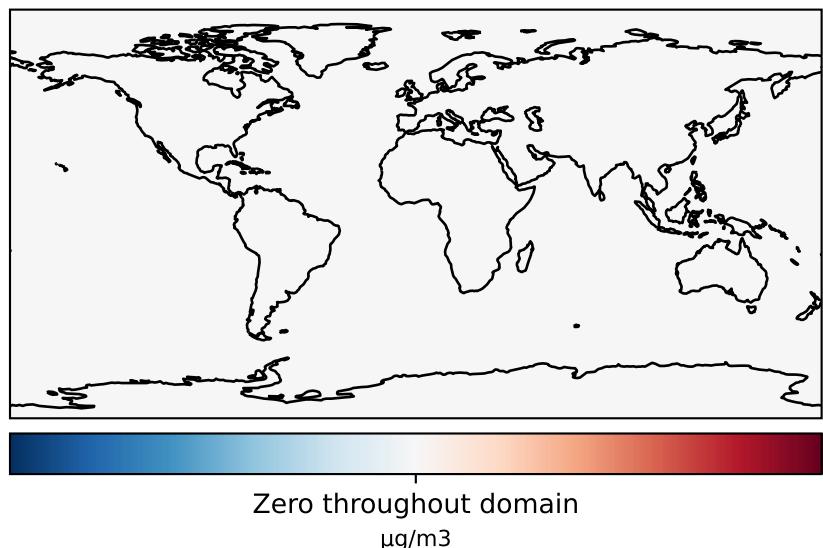
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



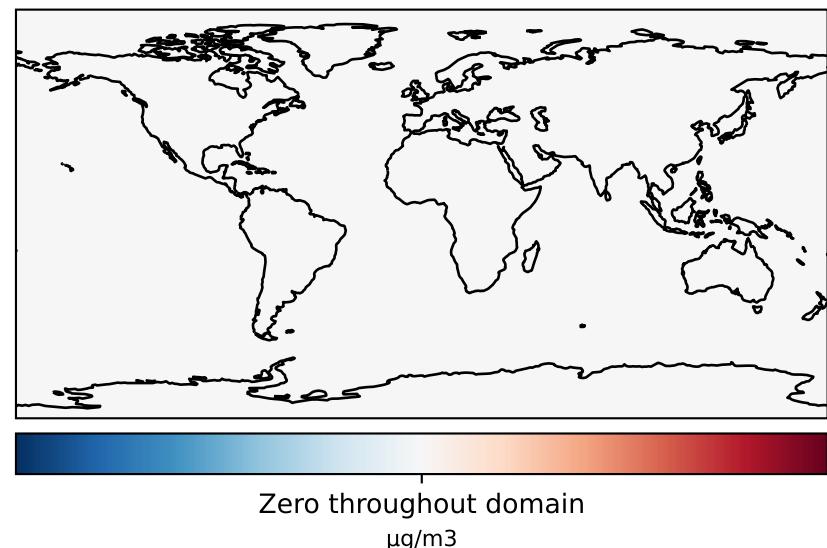
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



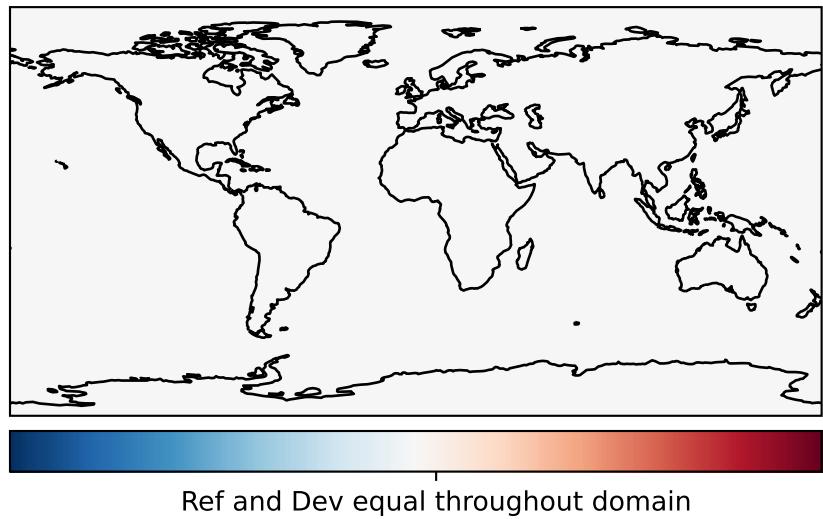
Difference  
Dev - Ref, Restricted Range [5%,95%]



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

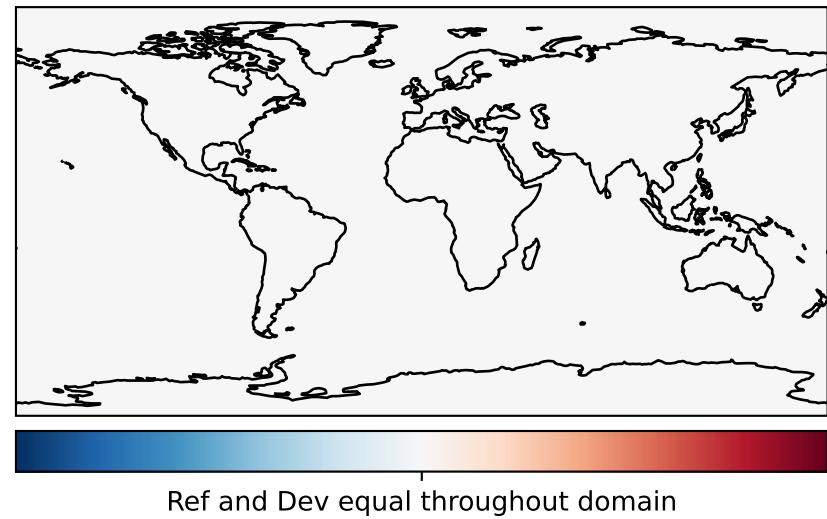
Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

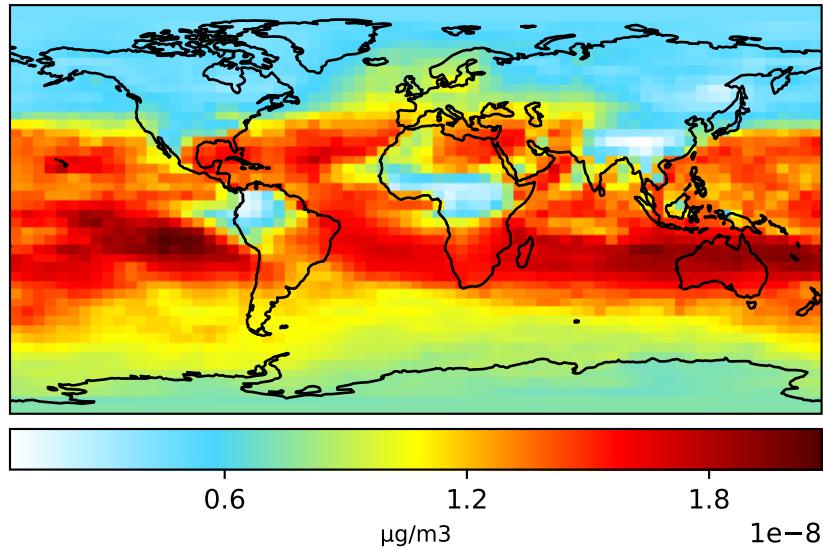
Ratio  
Dev/Ref, Fixed Range



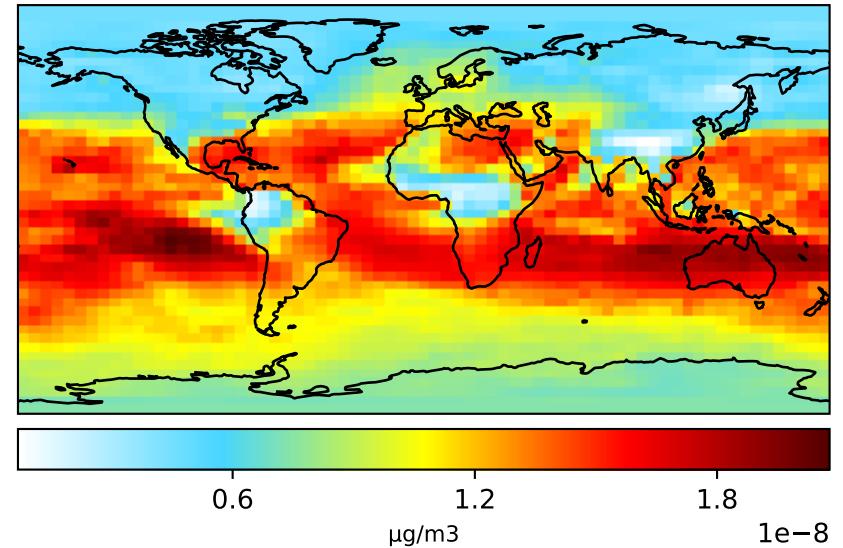
Ref and Dev equal throughout domain  
unitless

# SpeciesConcVV\_SALAAL

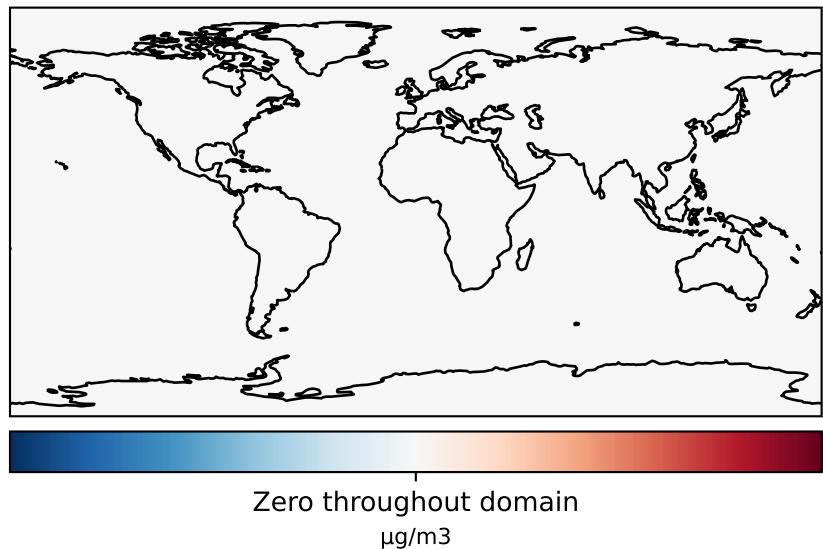
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



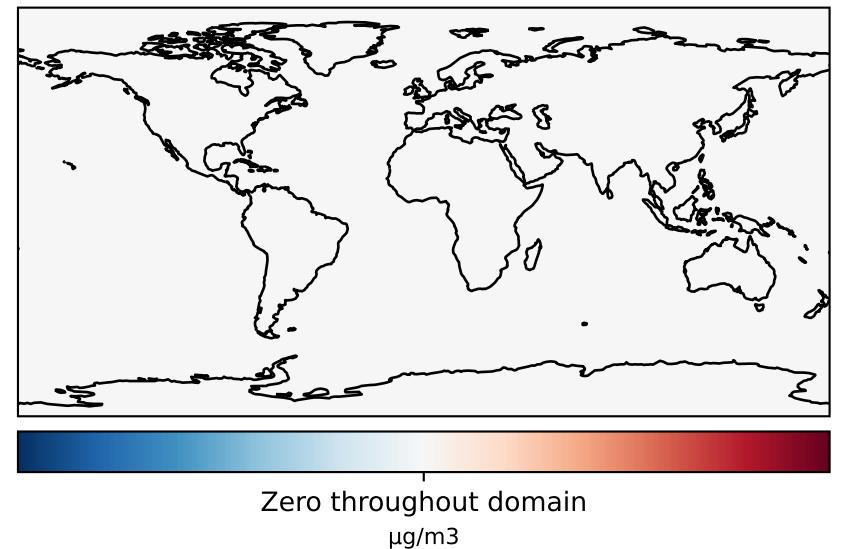
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



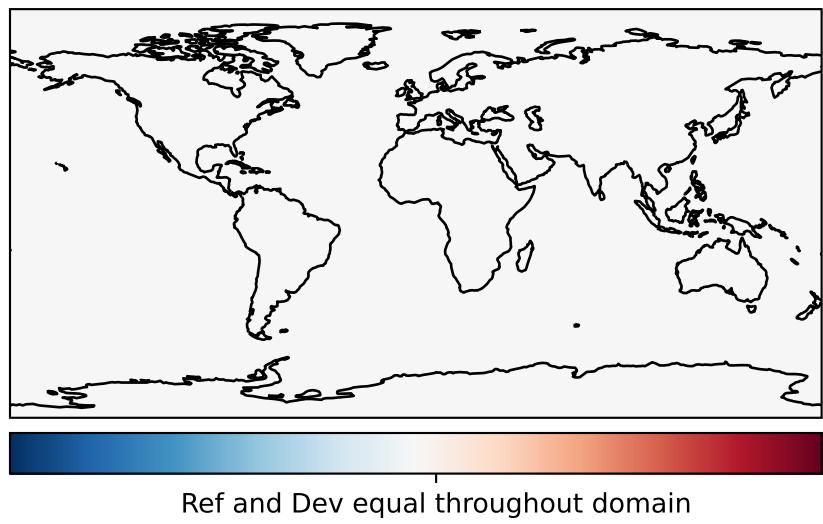
Difference  
Dev - Ref, Dynamic Range



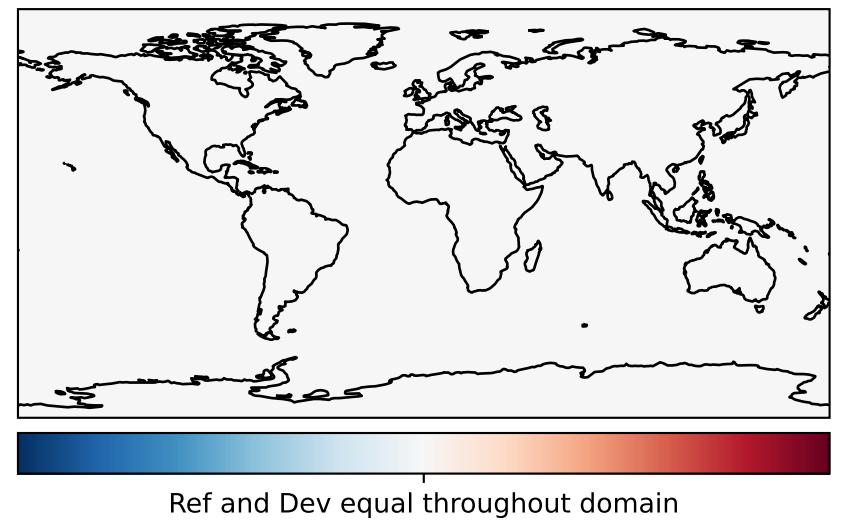
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Ratio  
Dev/Ref, Dynamic Range

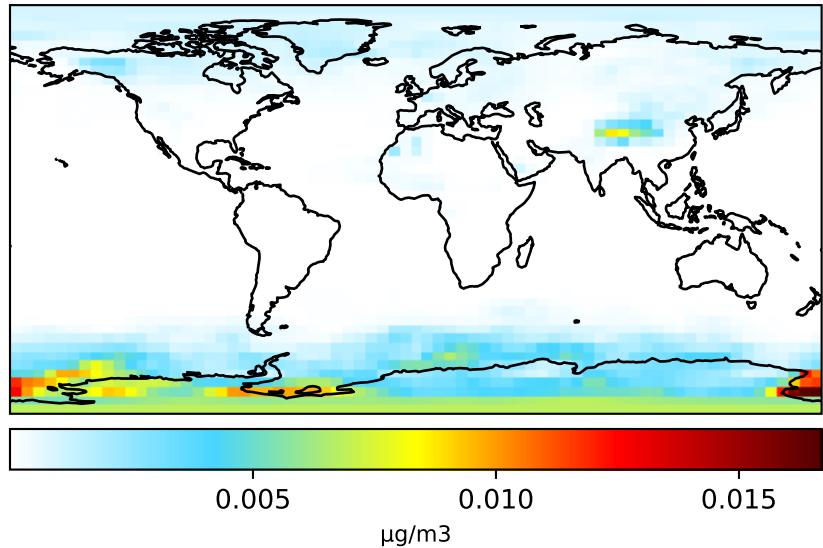


Ratio  
Dev/Ref, Fixed Range

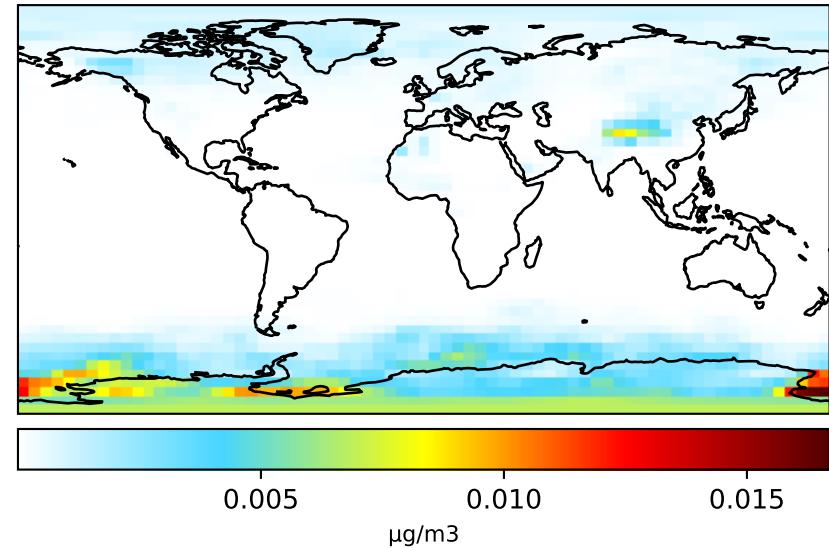


# SpeciesConcVV\_SALACL

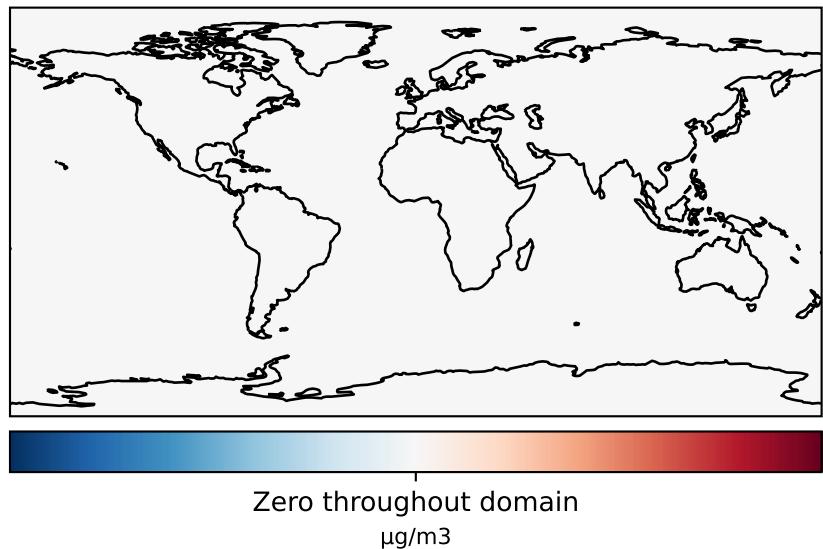
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



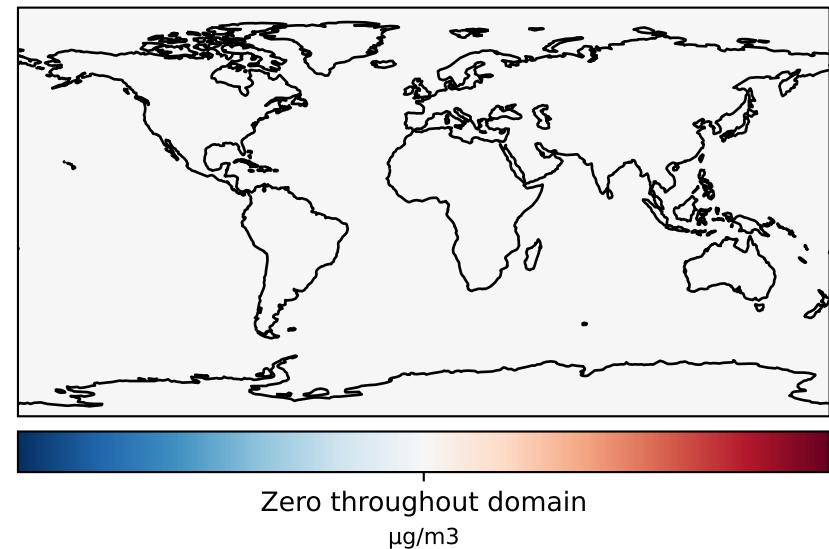
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



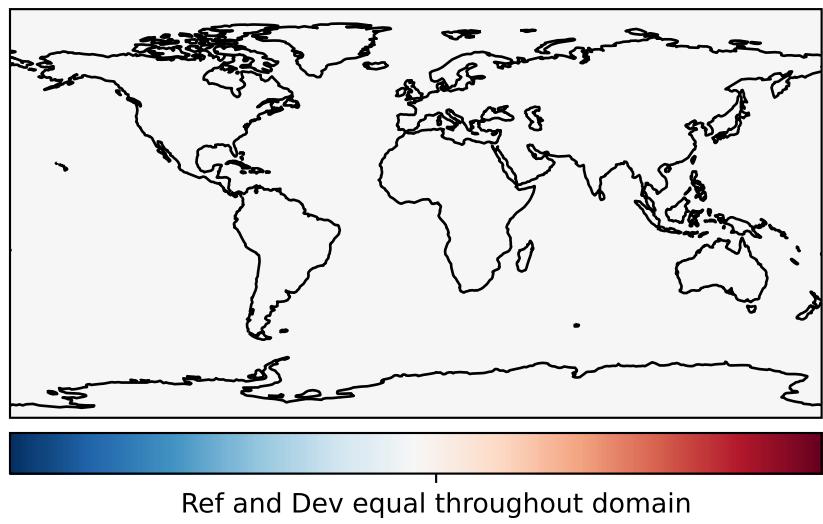
Difference  
Dev - Ref, Dynamic Range



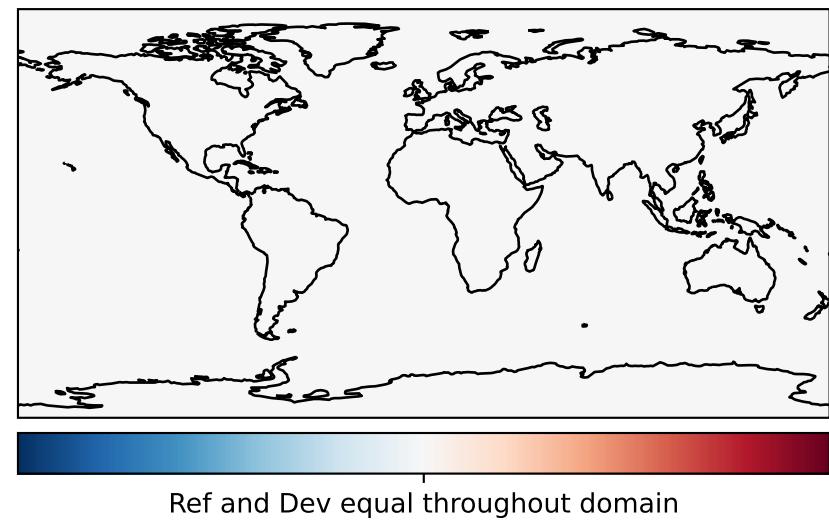
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Ratio  
Dev/Ref, Dynamic Range

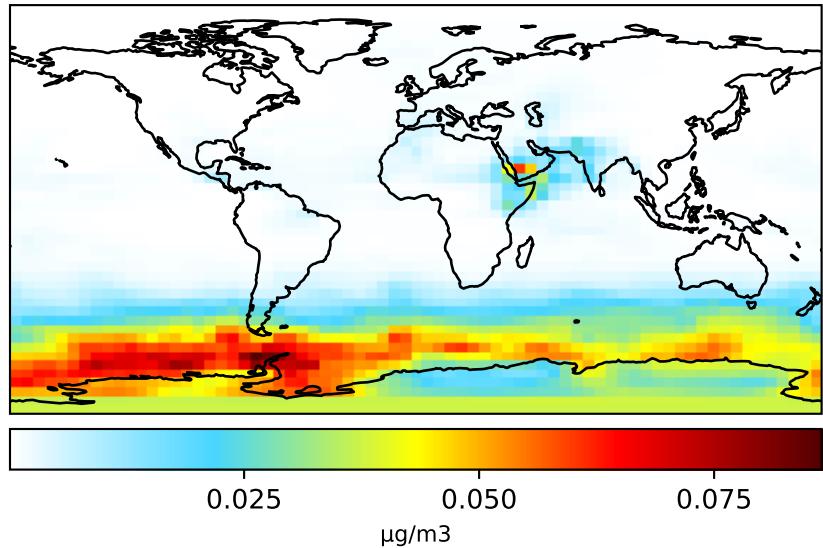


Ratio  
Dev/Ref, Fixed Range

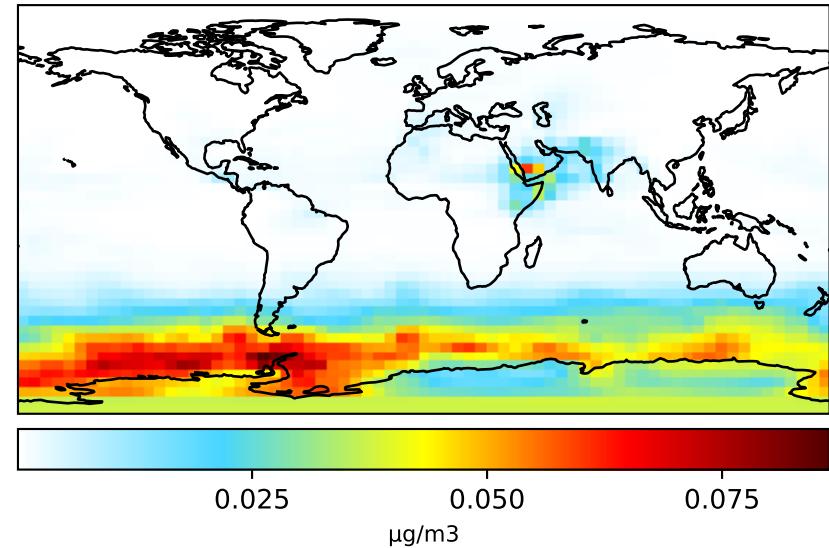


# SpeciesConcVV\_SALC

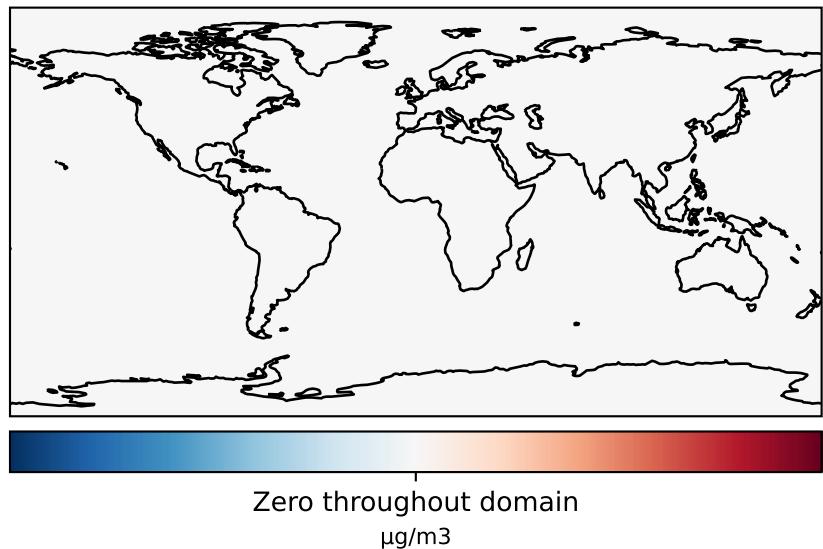
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



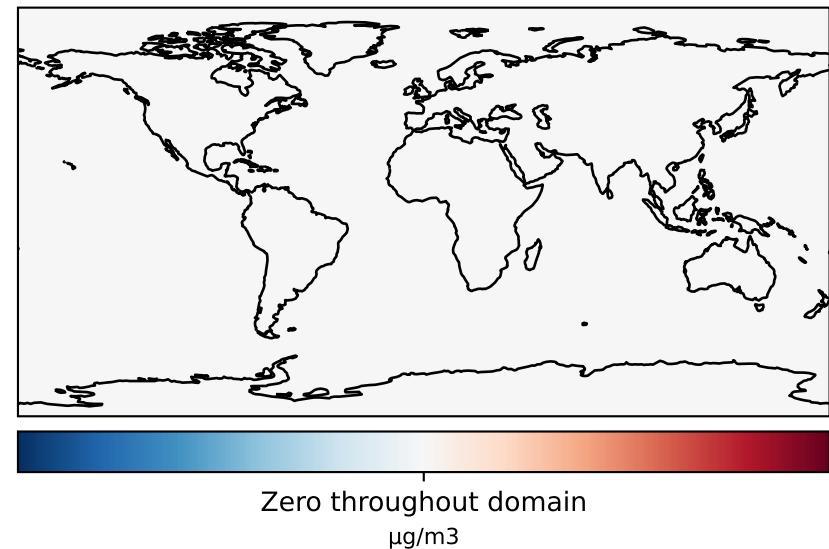
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



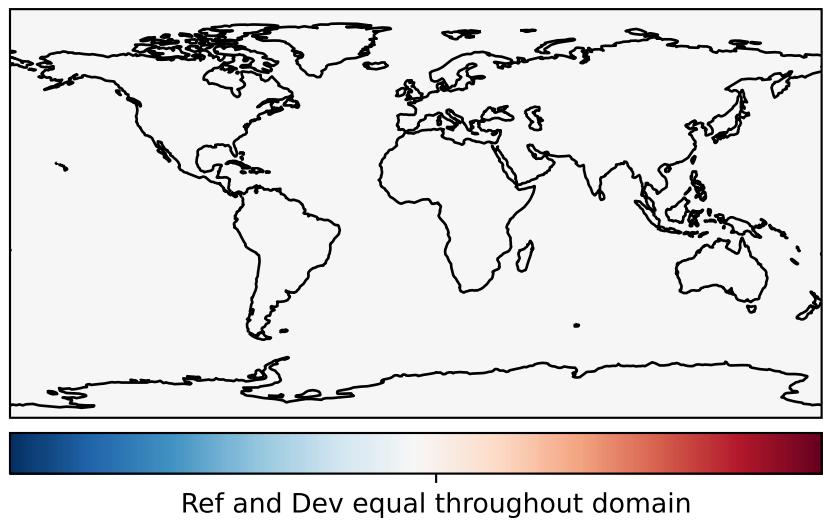
Difference  
Dev - Ref, Dynamic Range



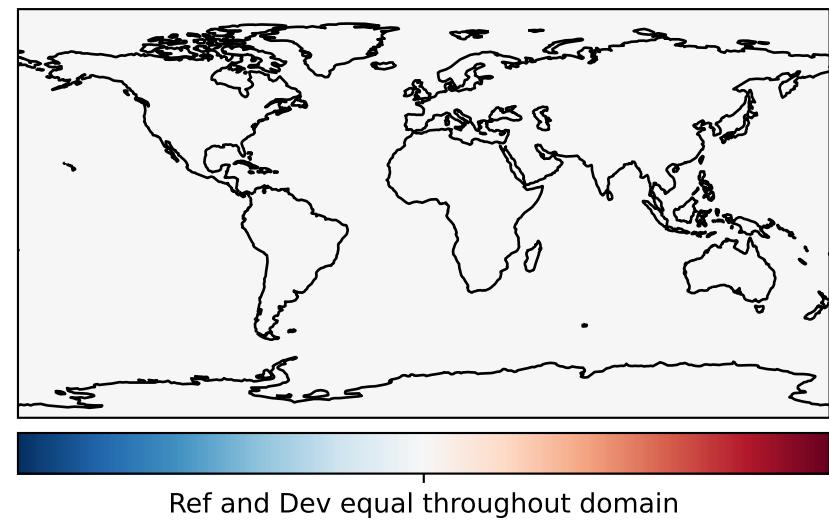
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Ratio  
Dev/Ref, Dynamic Range

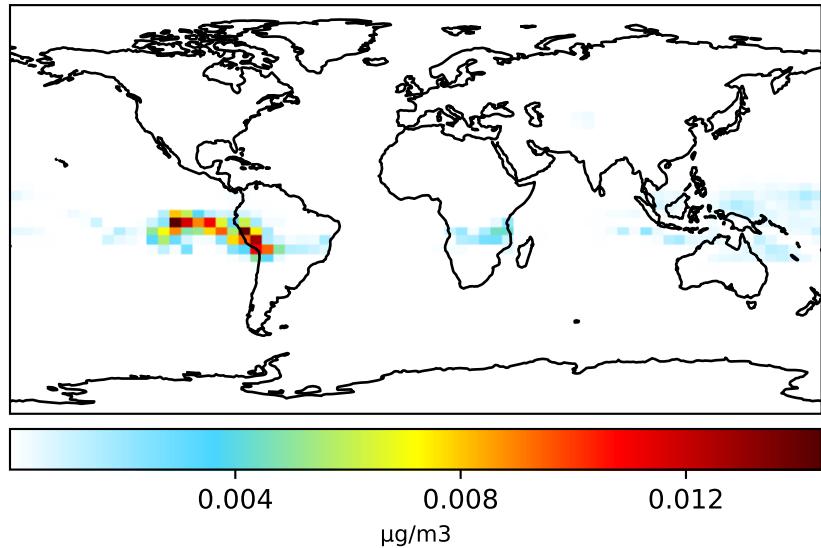


Ratio  
Dev/Ref, Fixed Range

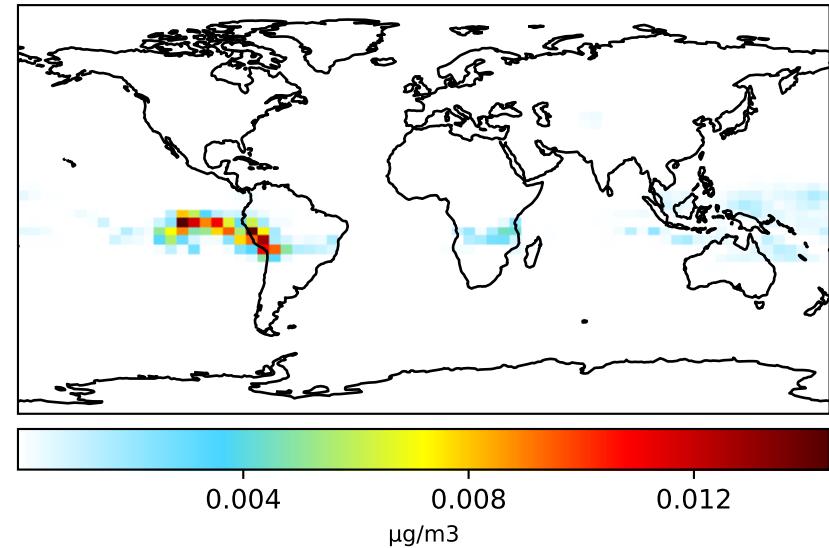


# SpeciesConcVV\_SALCAL

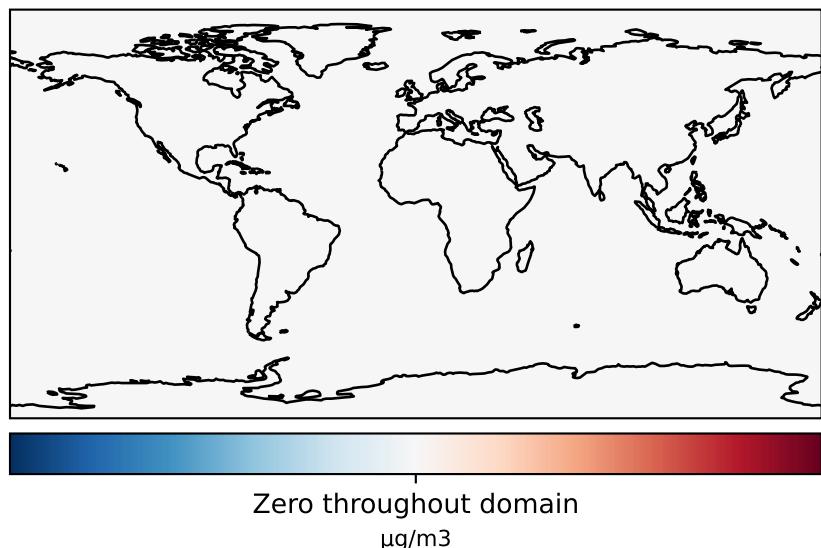
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



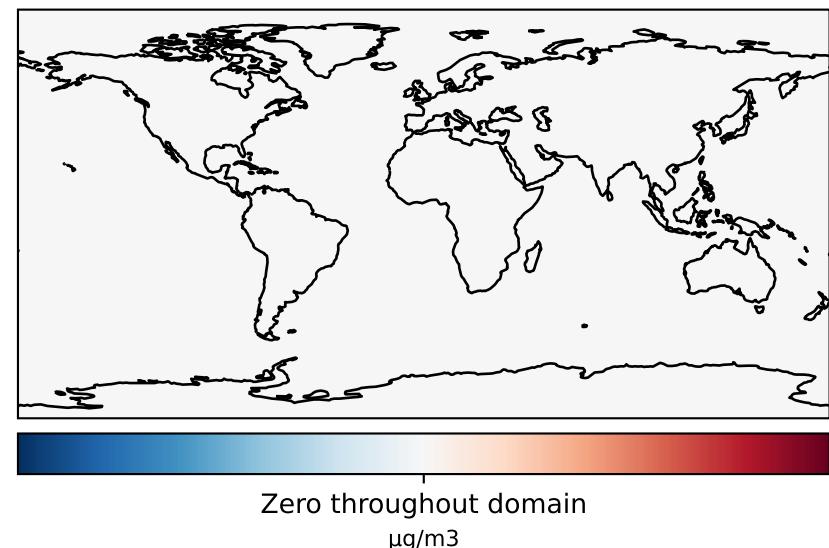
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



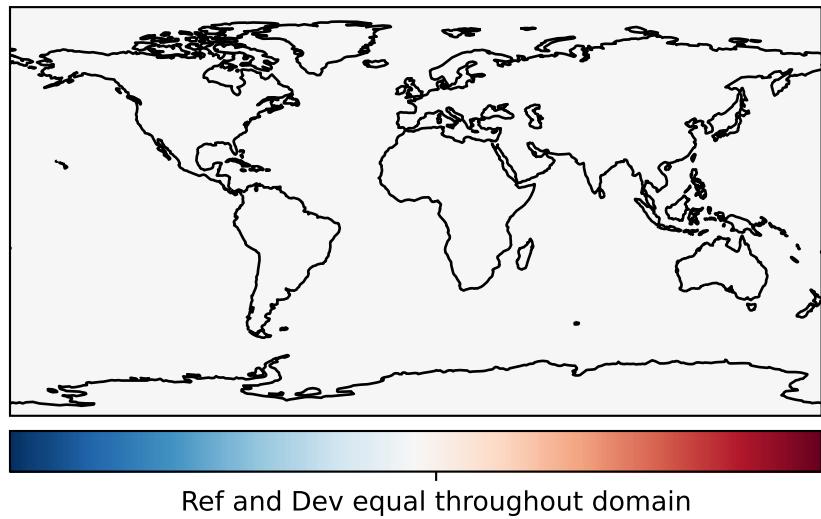
Difference  
Dev - Ref, Restricted Range [5%,95%]



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

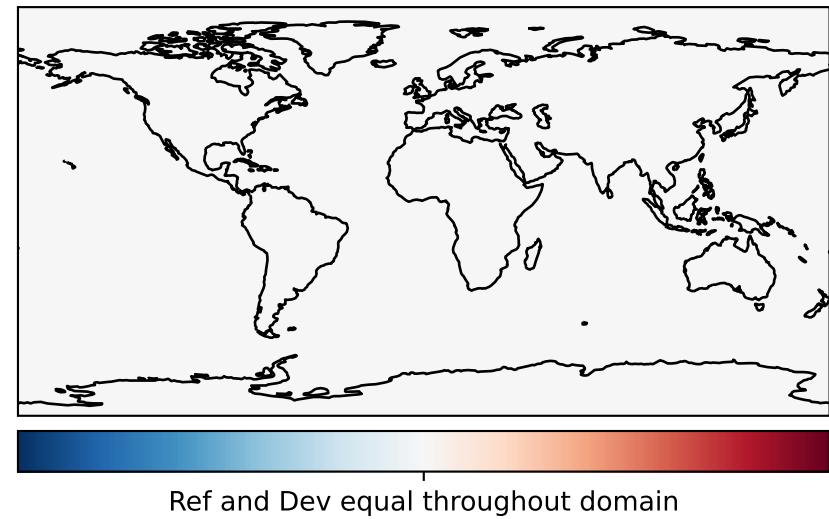
Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



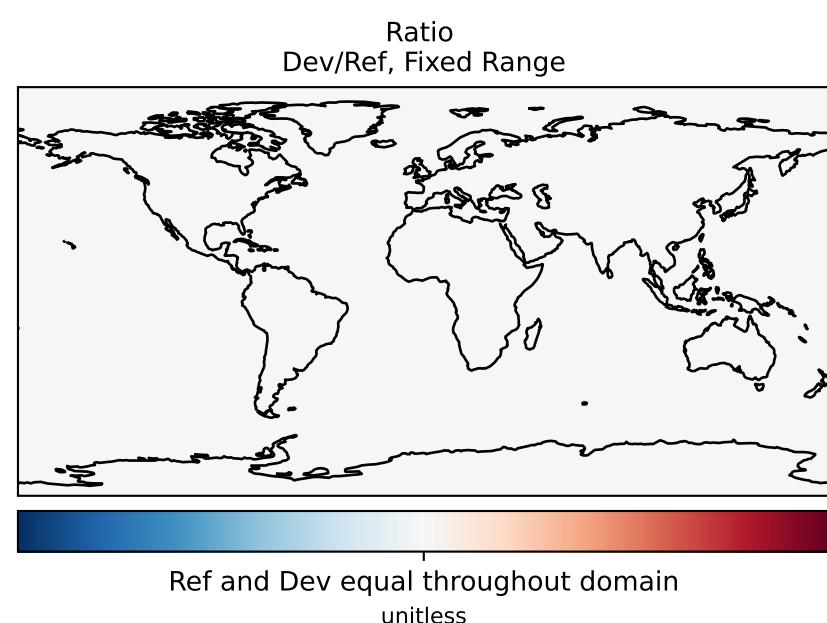
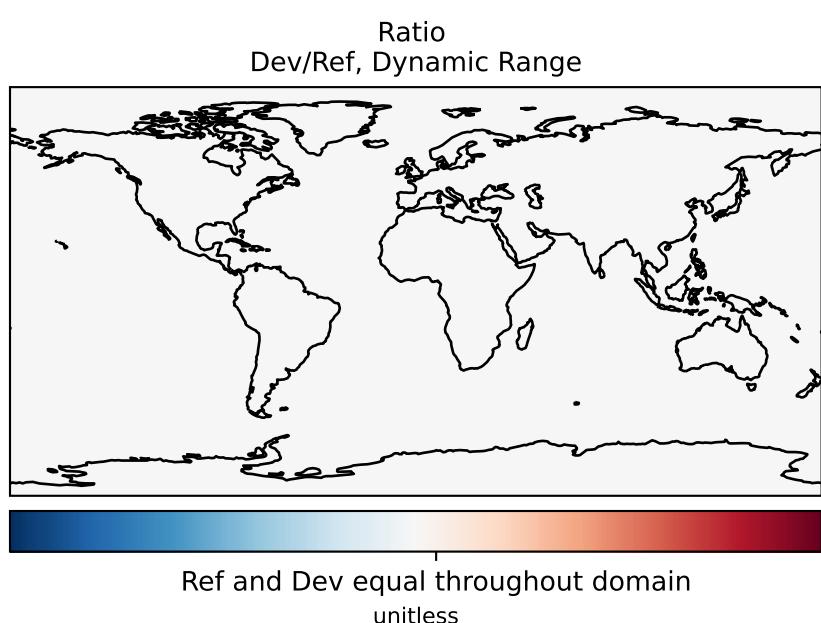
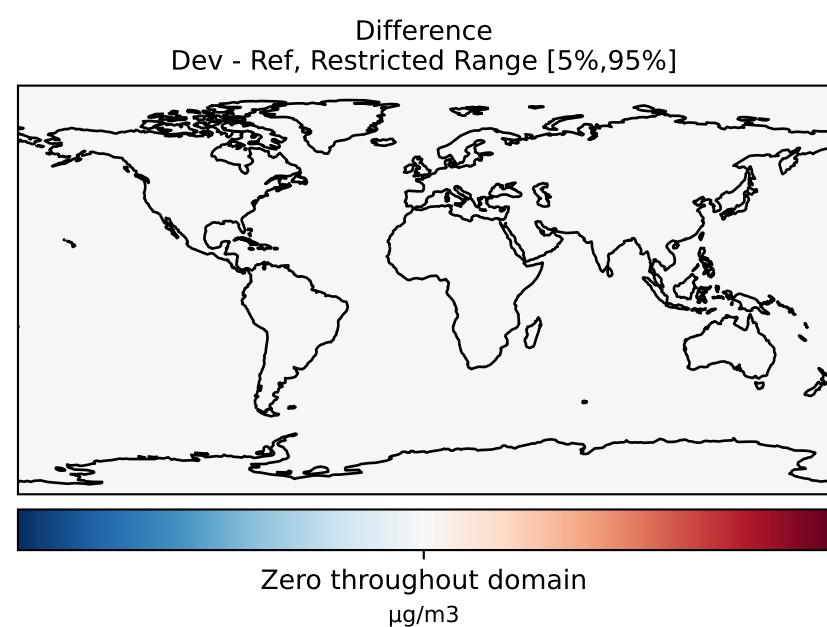
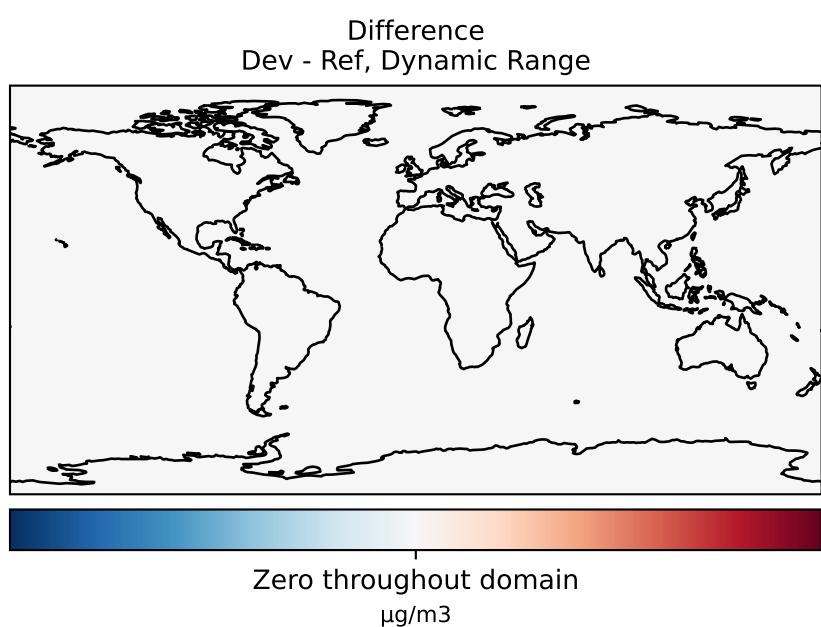
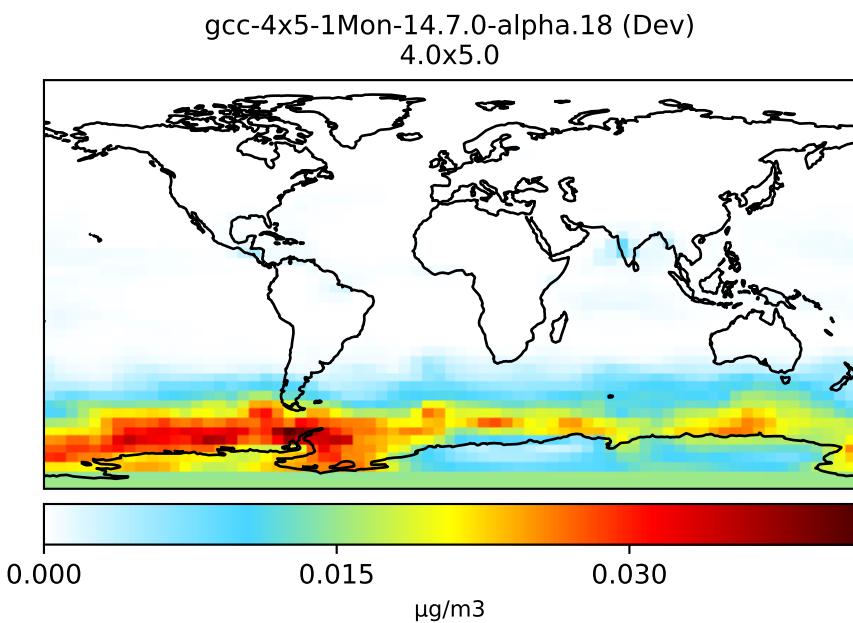
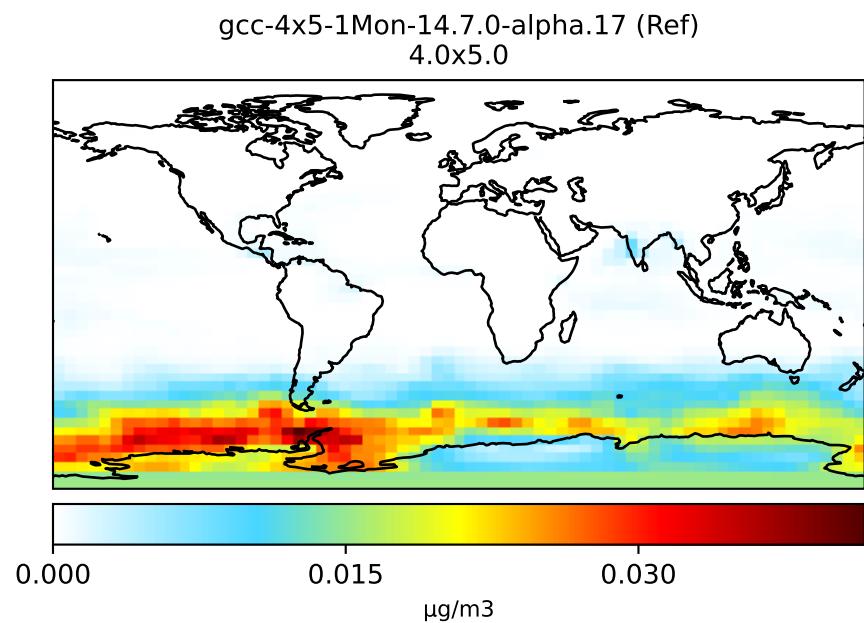
Ref and Dev equal throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range



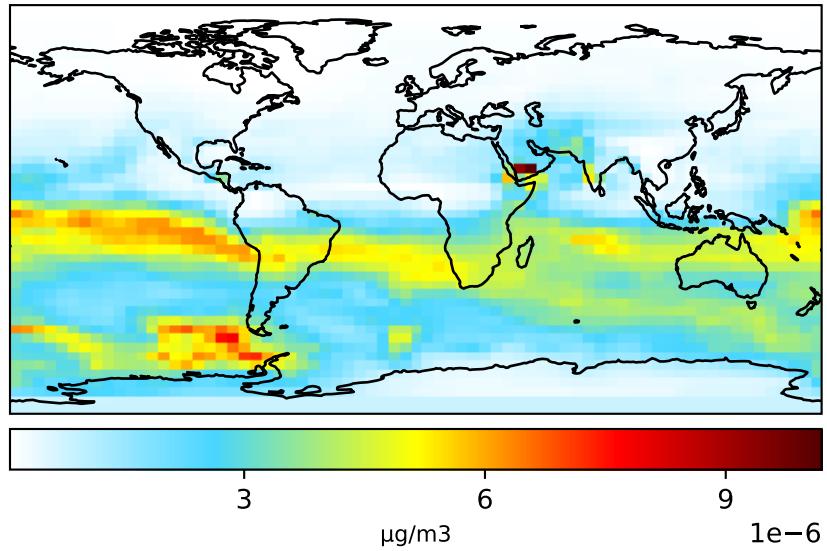
Ref and Dev equal throughout domain  
unitless

# SpeciesConcVV\_SALCCL

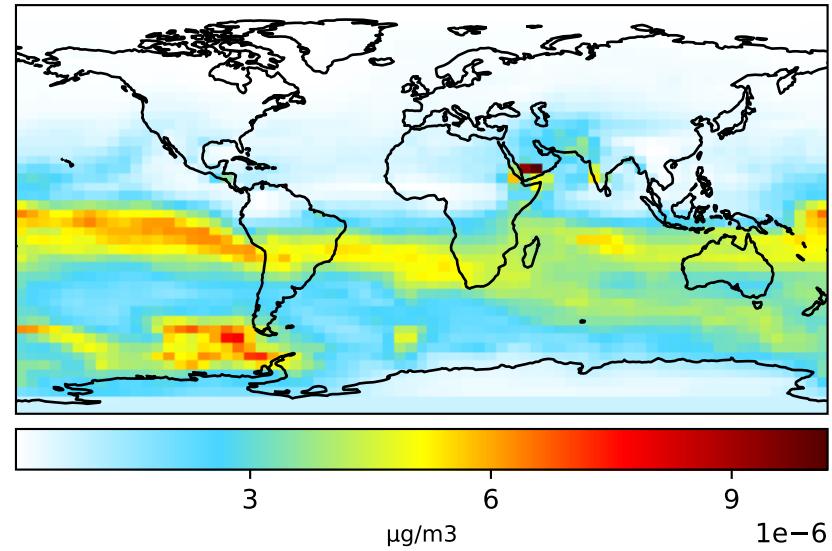


# SpeciesConcVV\_SO4s

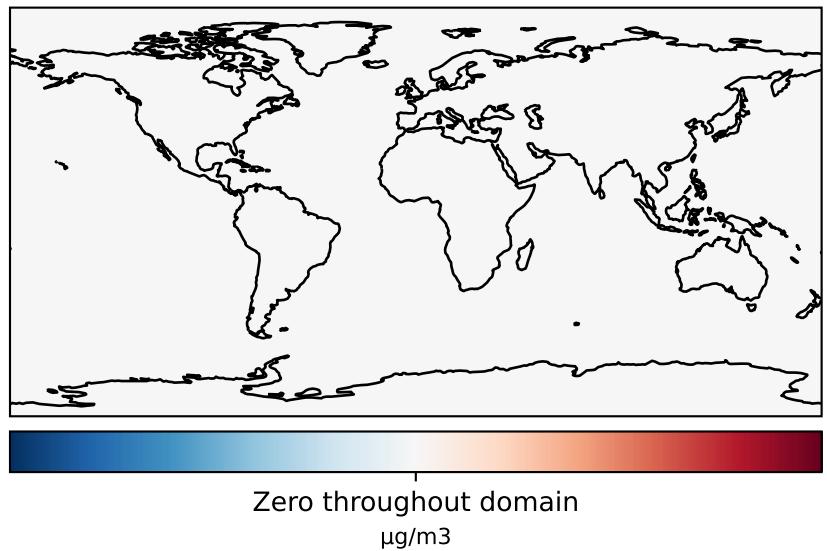
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



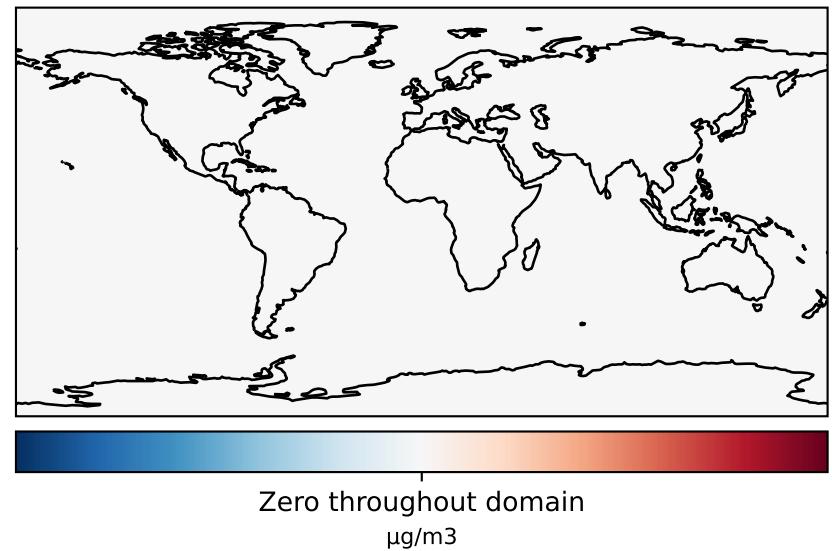
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



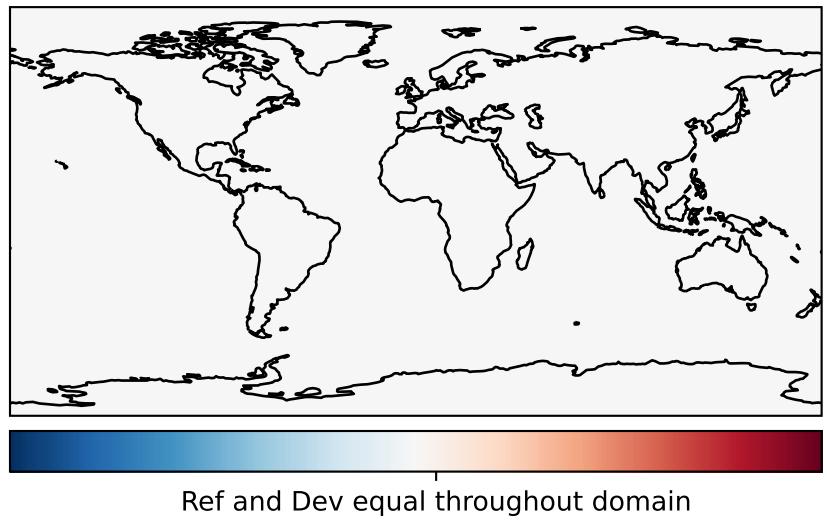
Difference  
Dev - Ref, Dynamic Range



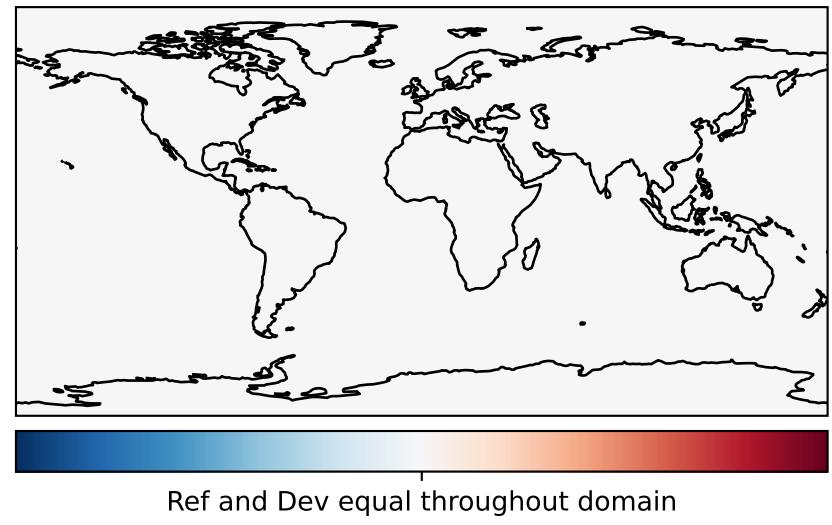
Difference  
Dev - Ref, Restricted Range [5%, 95%]



Ratio  
Dev/Ref, Dynamic Range

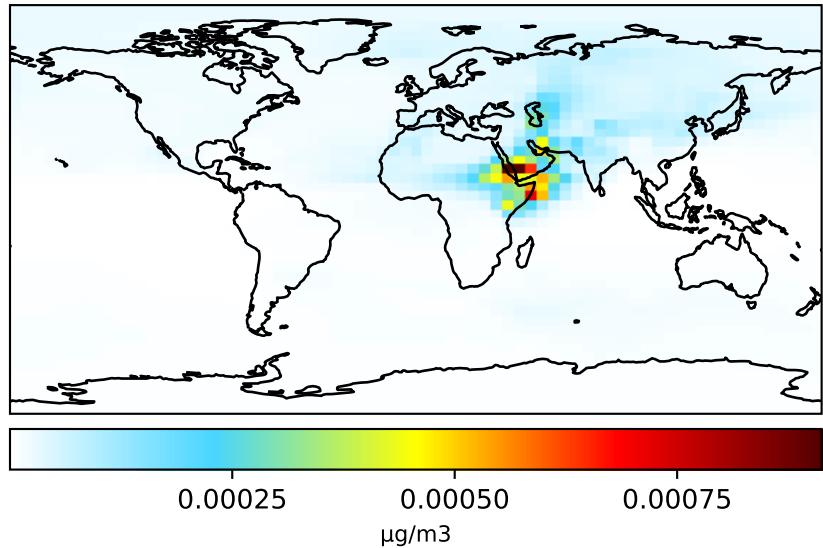


Ratio  
Dev/Ref, Fixed Range

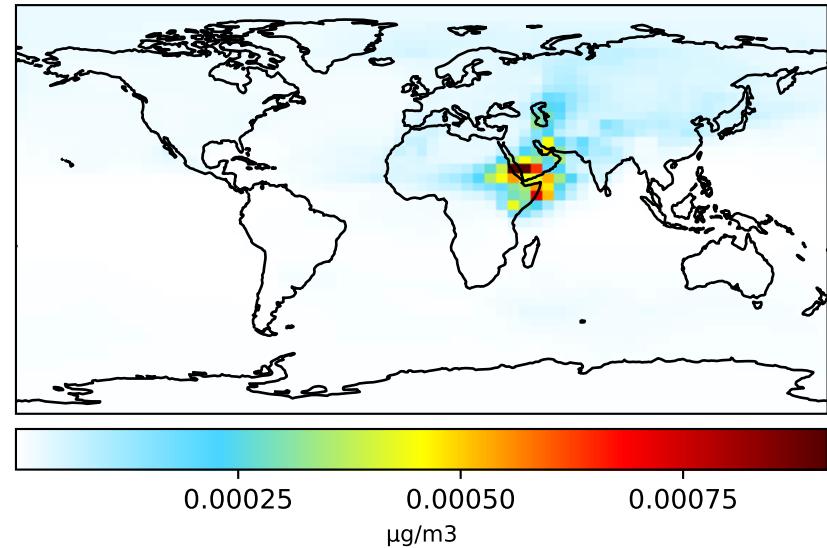


# SpeciesConcVV\_pFe

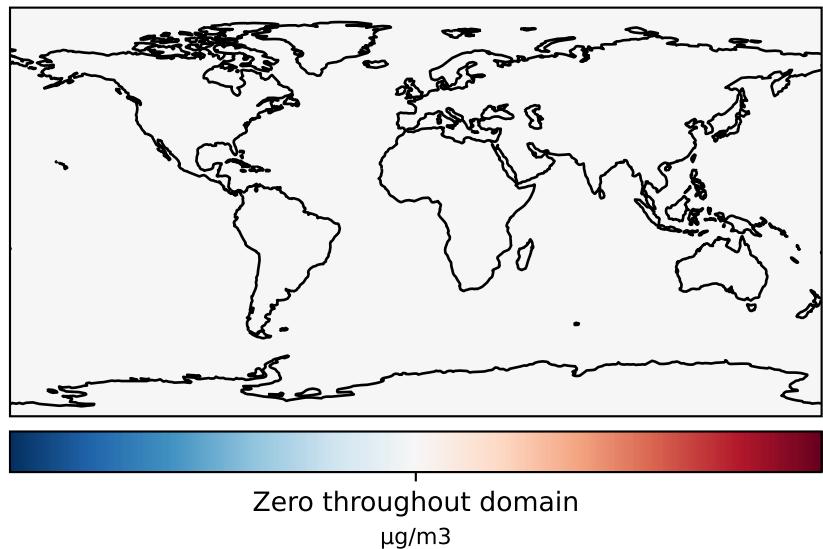
gcc-4x5-1Mon-14.7.0-alpha.17 (Ref)  
4.0x5.0



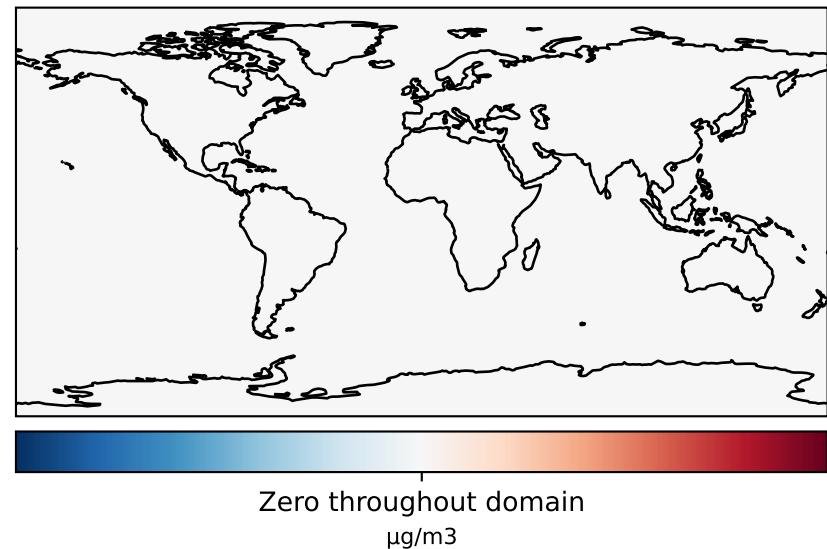
gcc-4x5-1Mon-14.7.0-alpha.18 (Dev)  
4.0x5.0



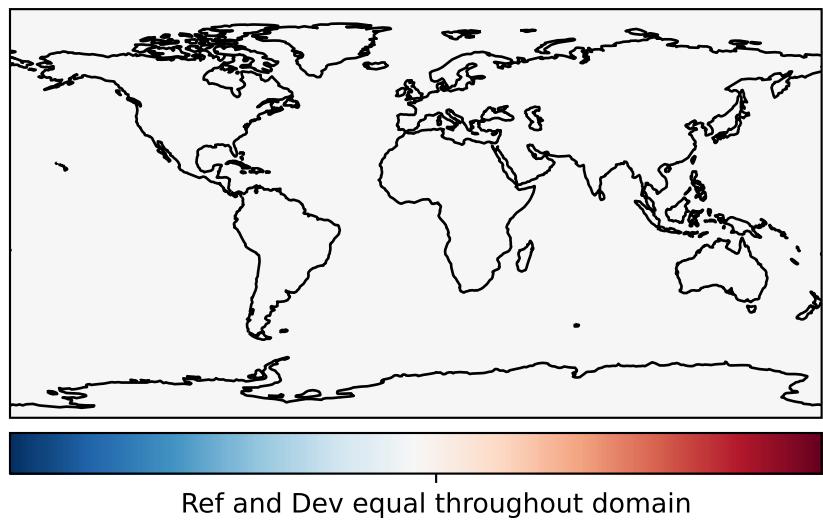
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

