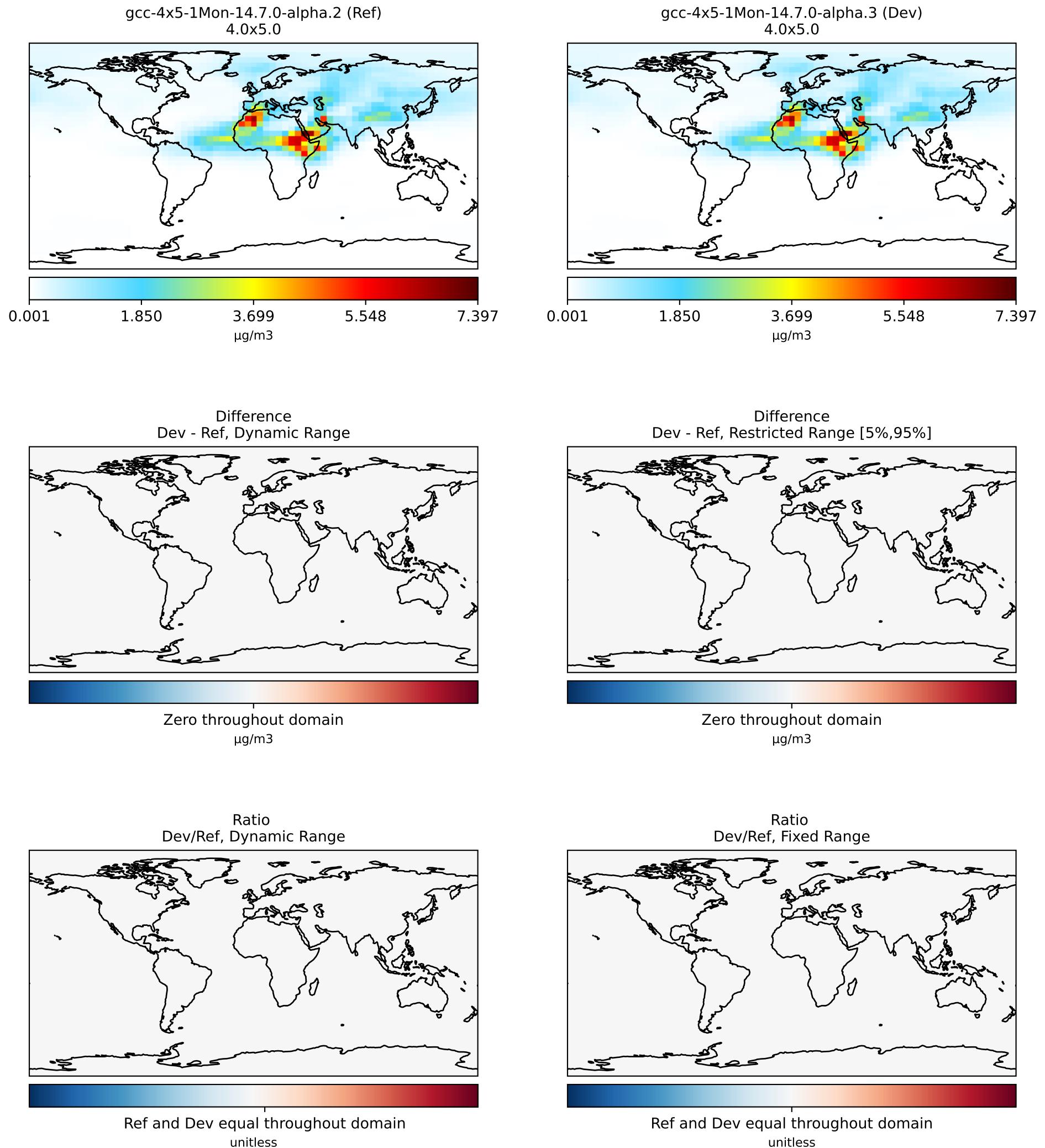
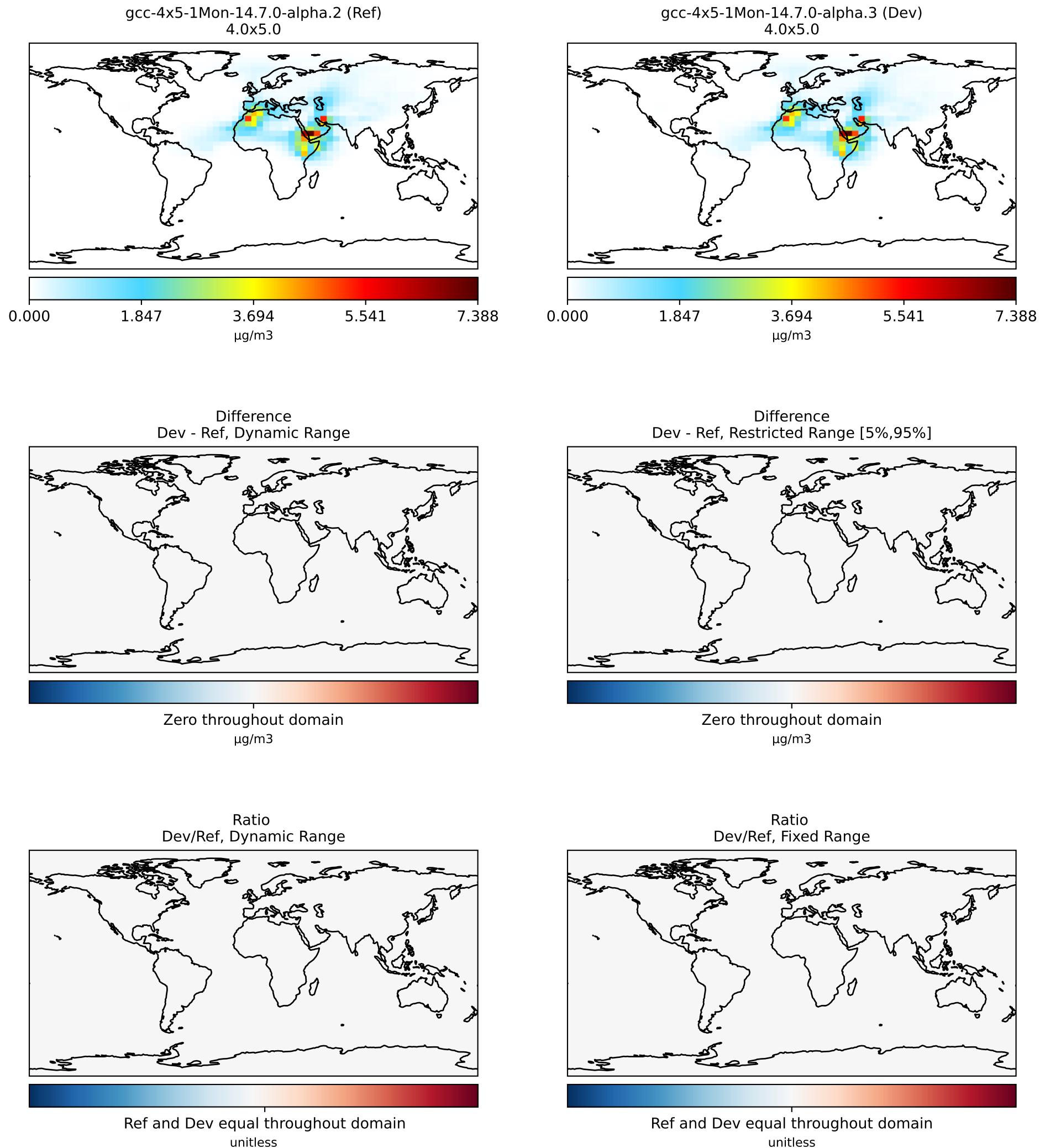


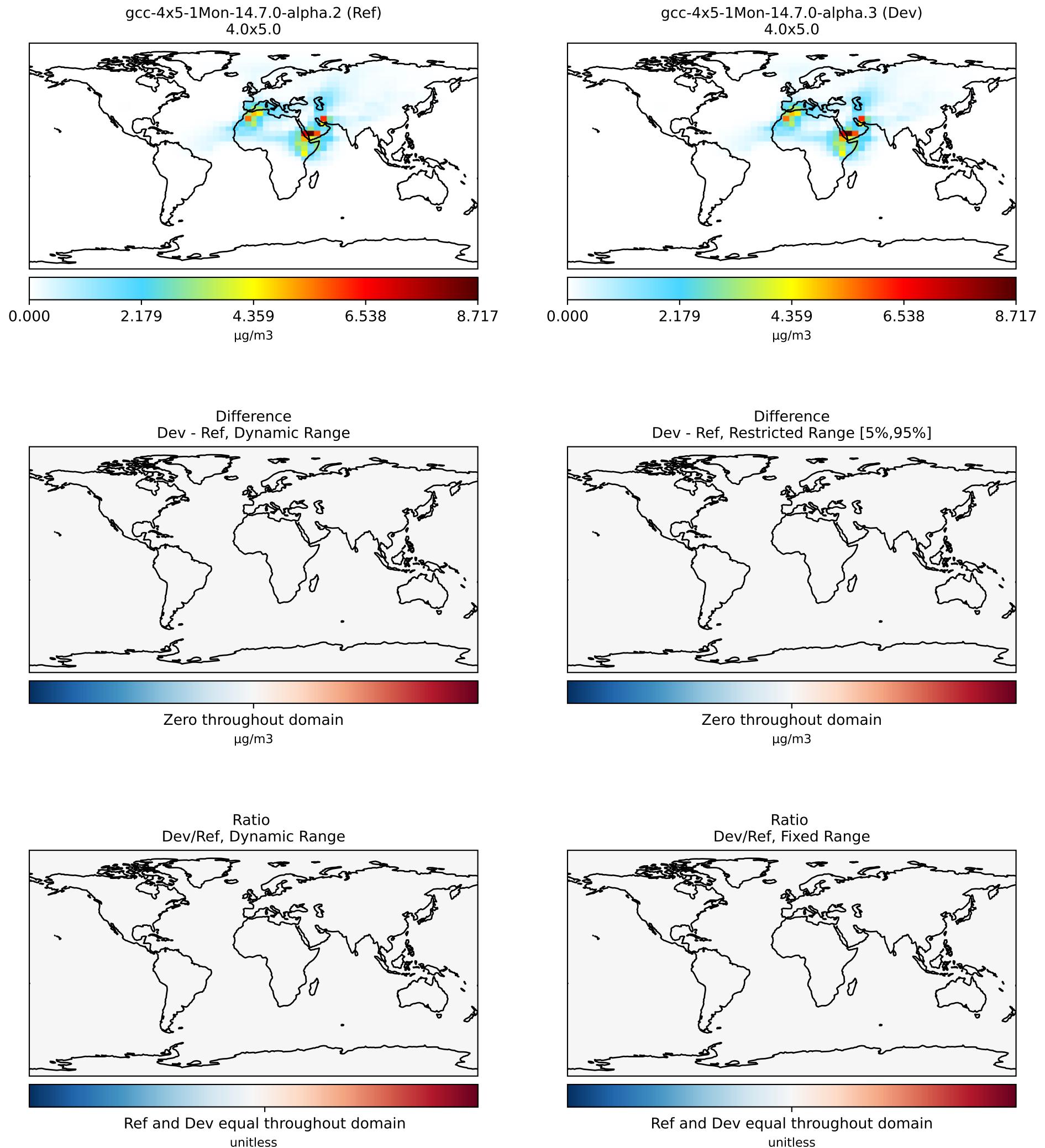
SpeciesConcVV_DST1



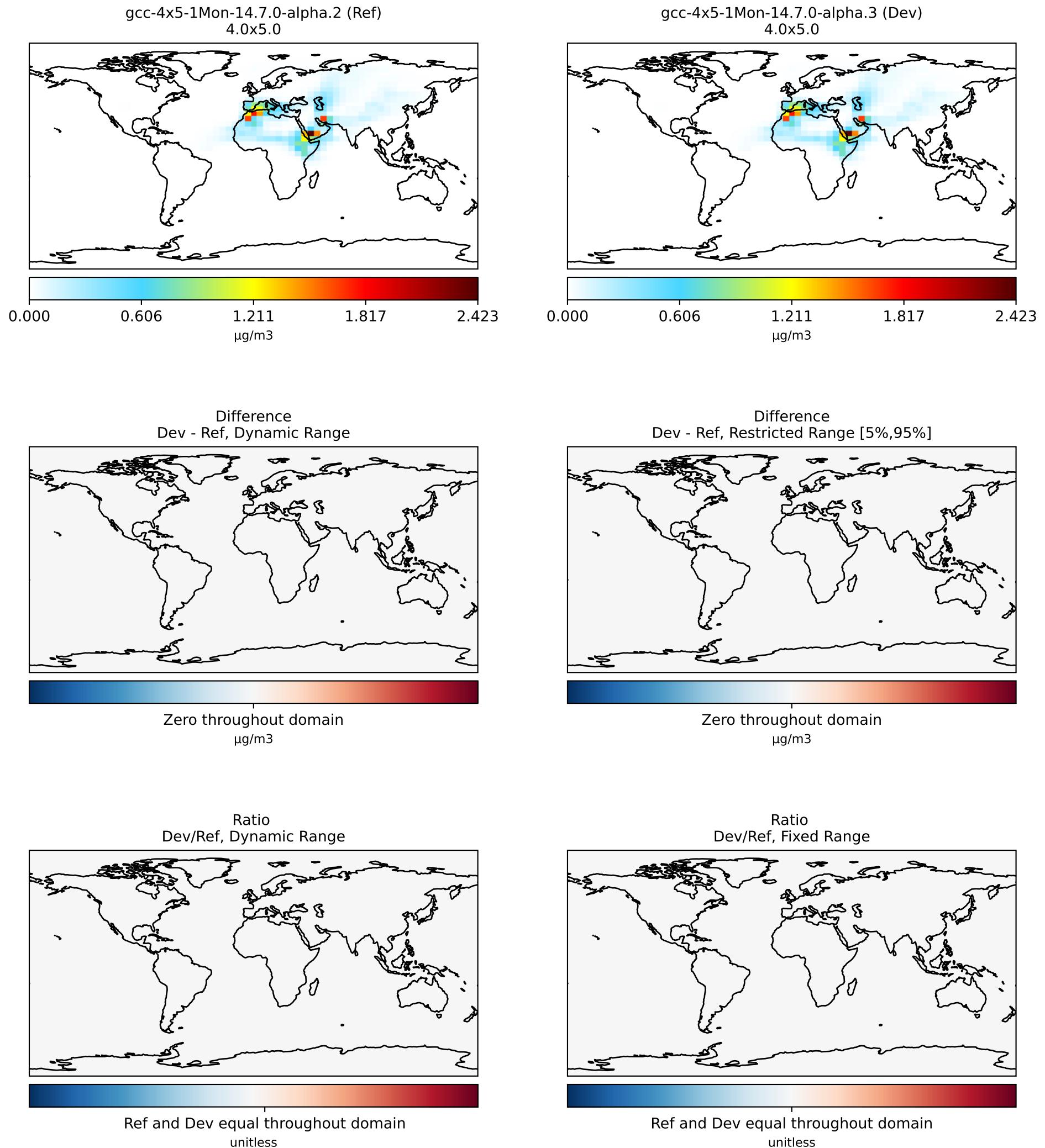
SpeciesConcVV_DST2



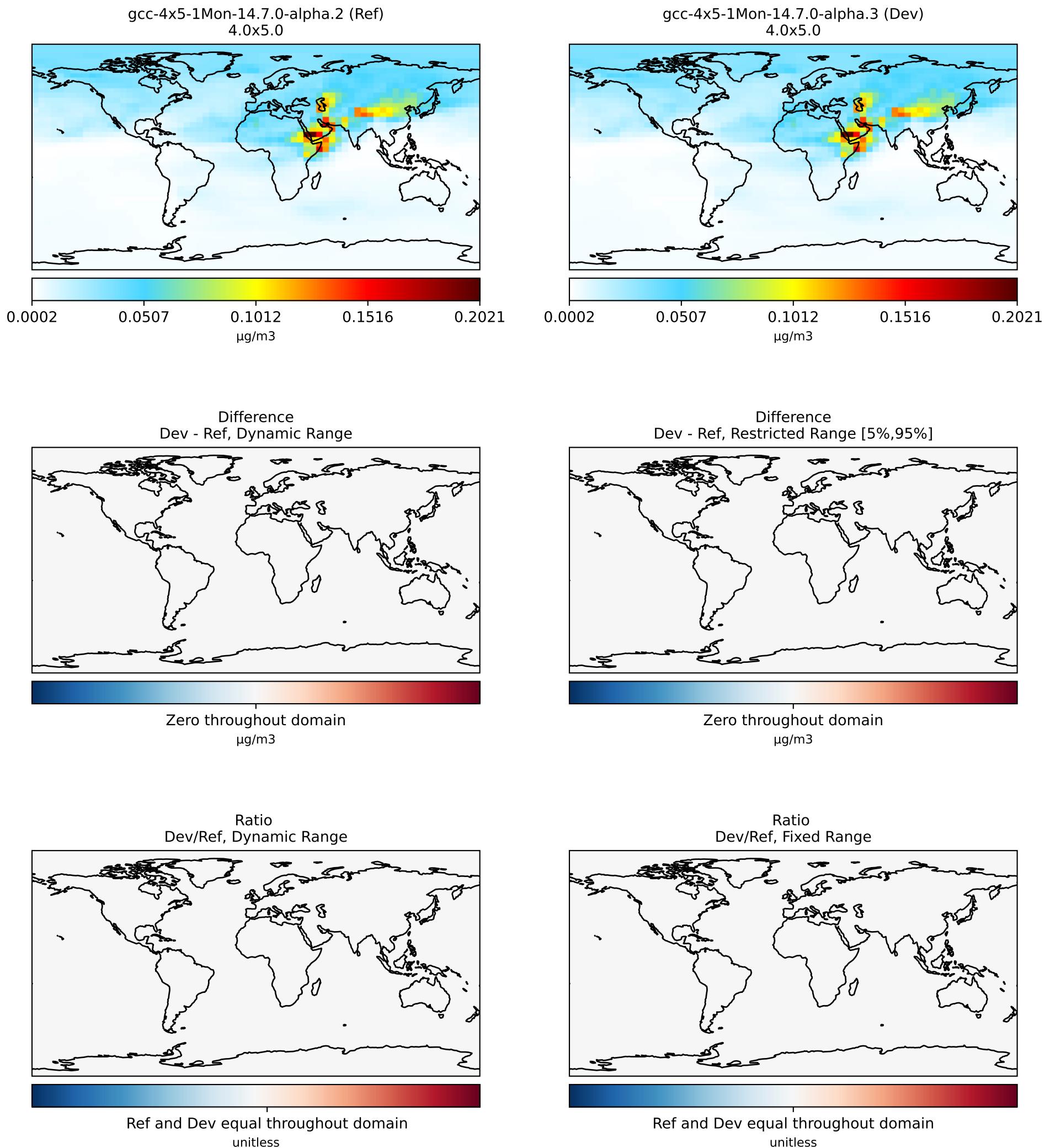
SpeciesConcVV_DST3



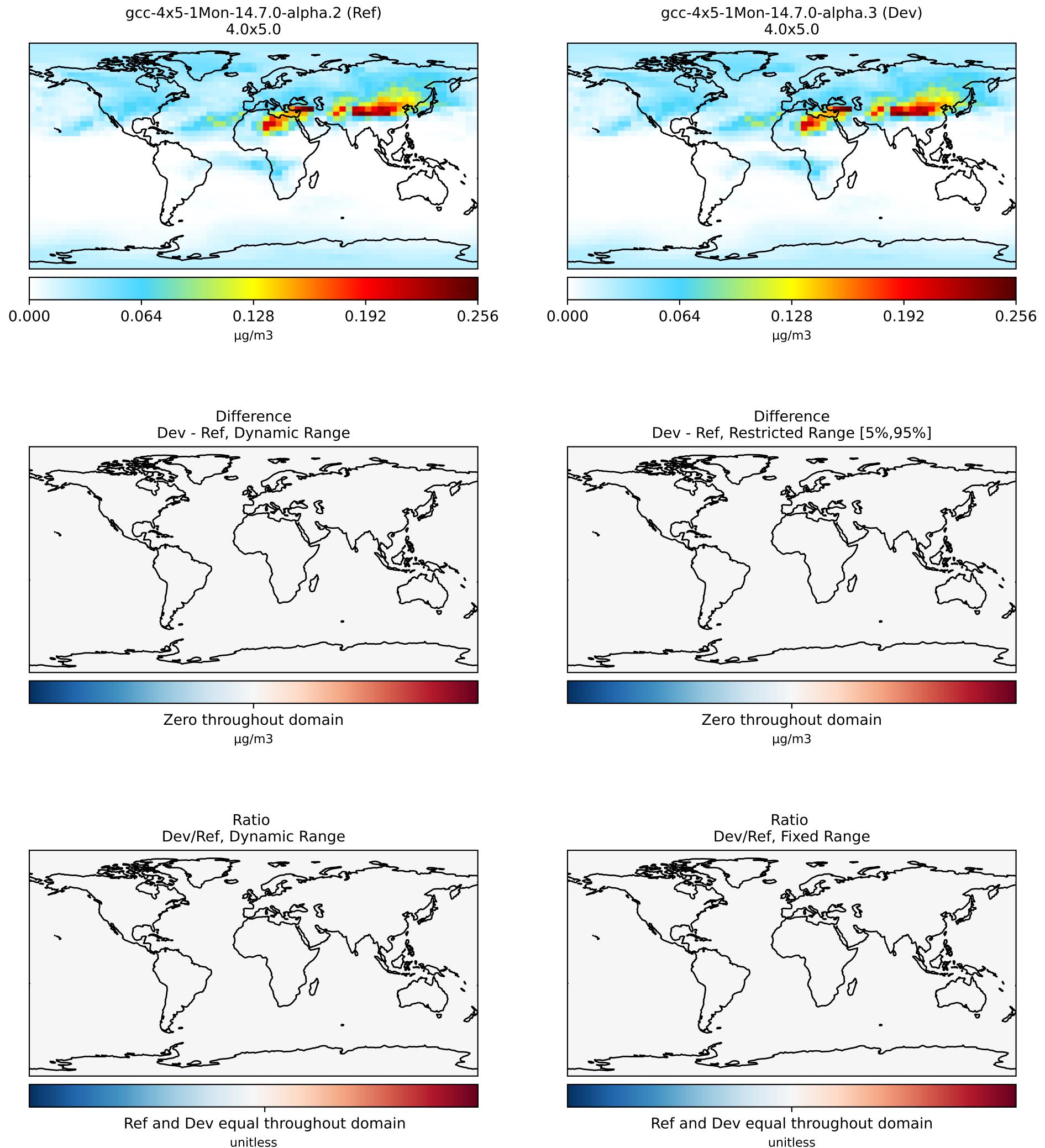
SpeciesConcVV_DST4



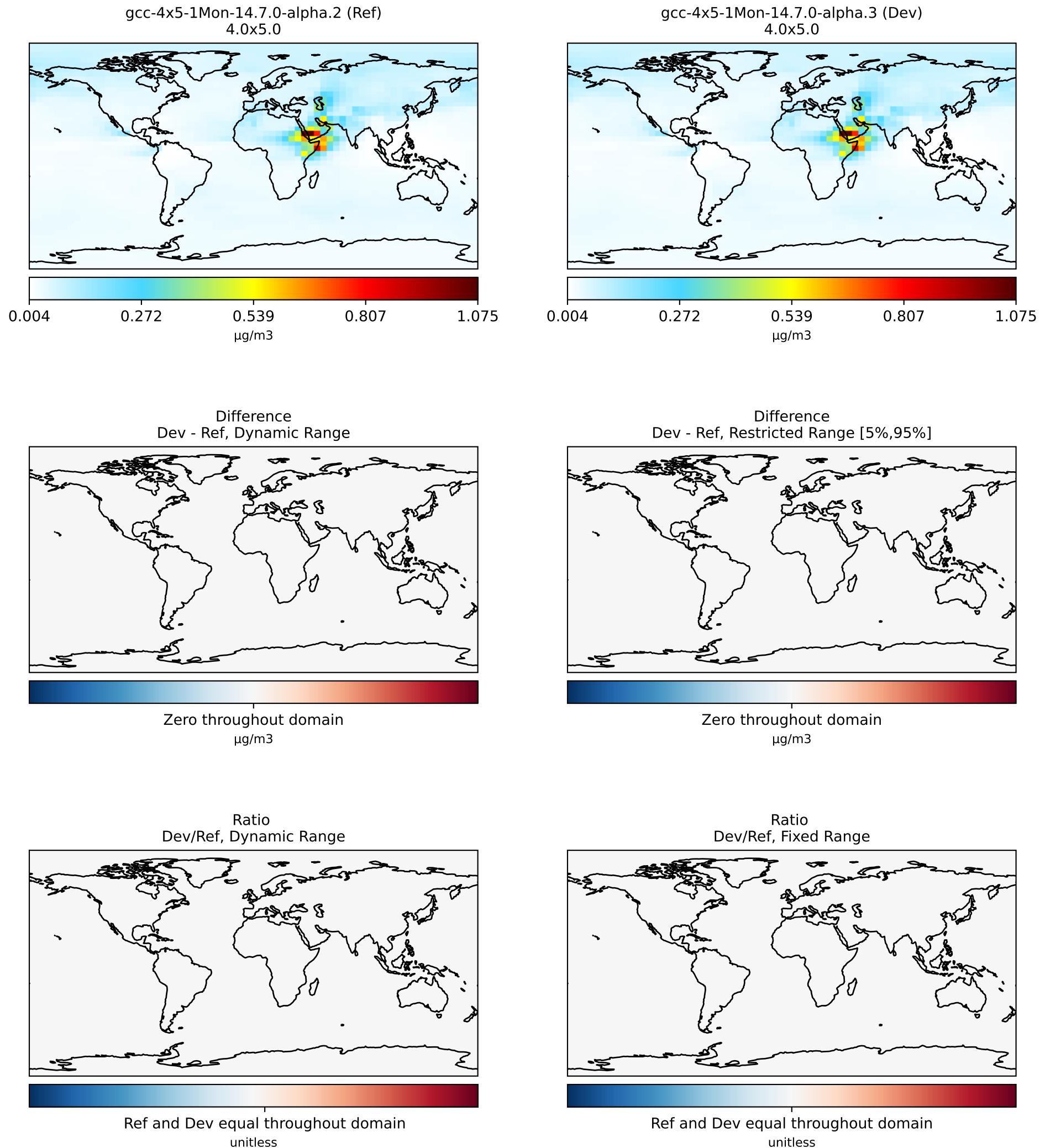
SpeciesConcVV_NH4



SpeciesConcVV_NIT

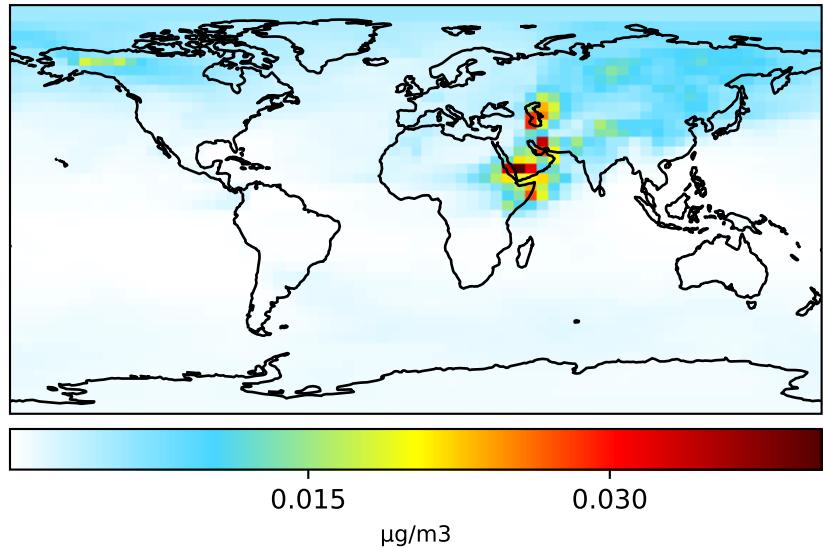


SpeciesConcVV_SO4

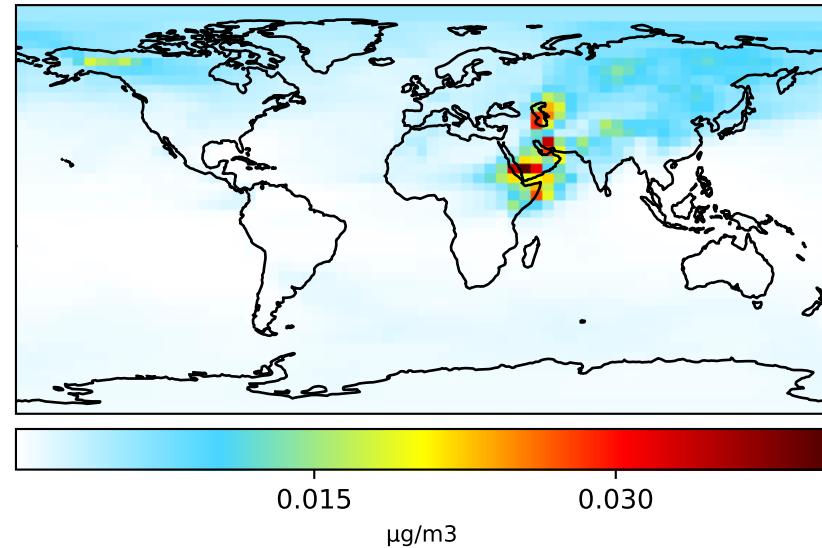


SpeciesConcVV_HMS

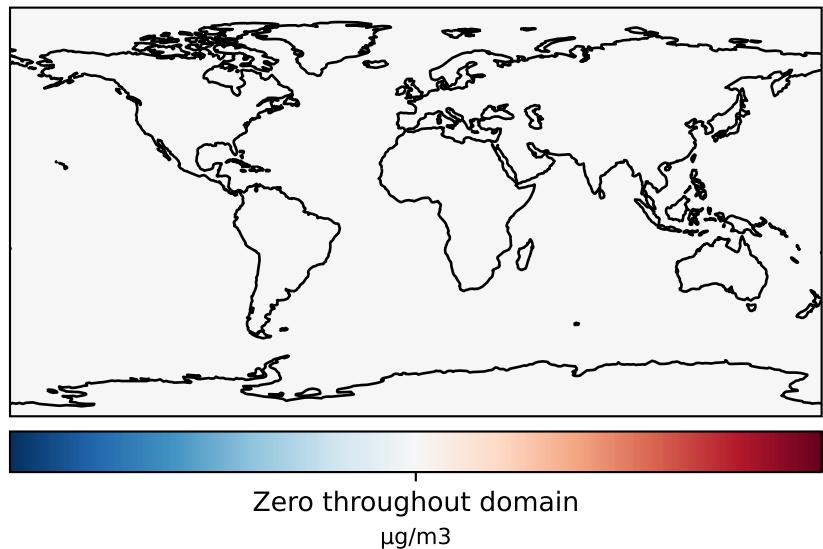
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



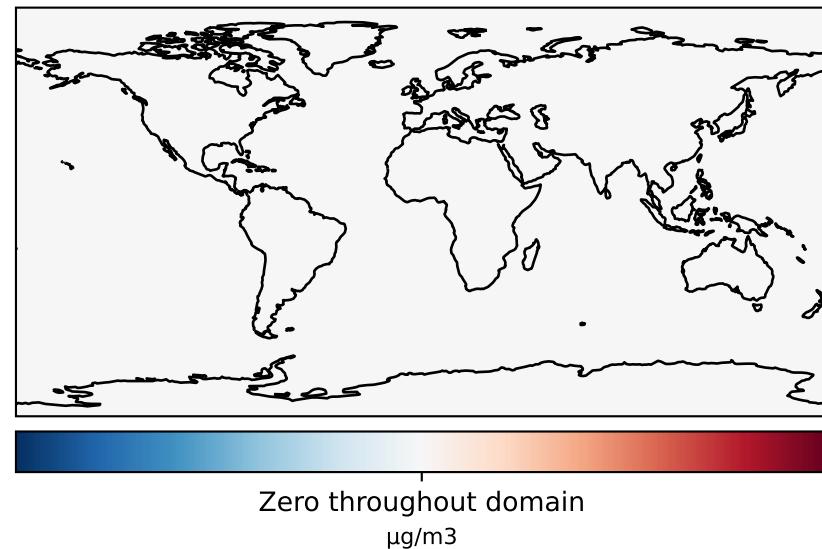
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



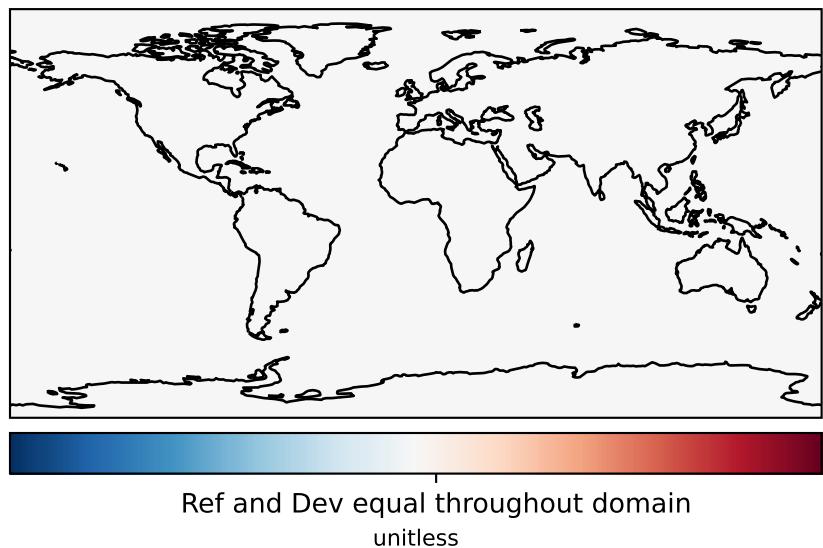
Difference
Dev - Ref, Dynamic Range



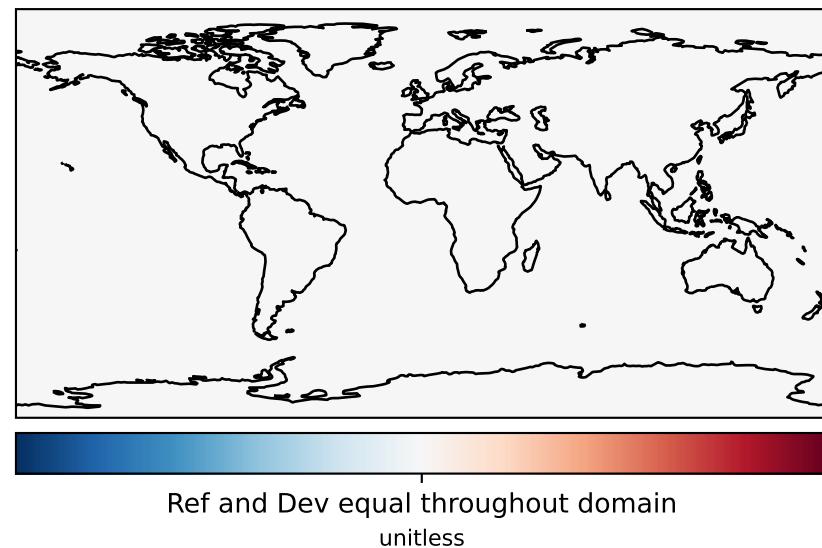
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

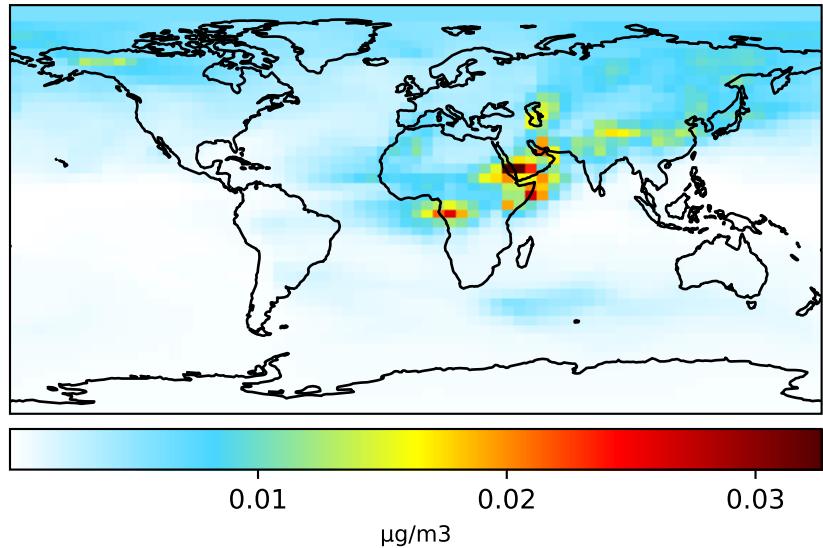


Ratio
Dev/Ref, Fixed Range

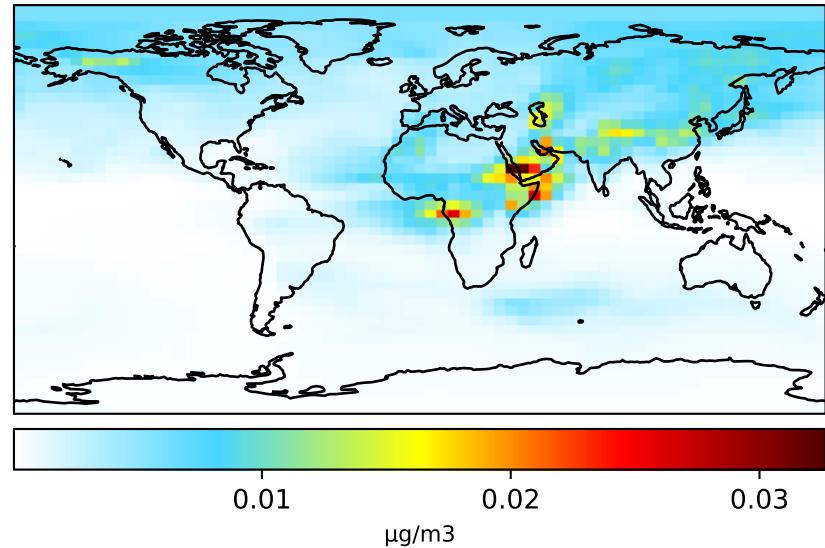


SpeciesConcVV_BCPI

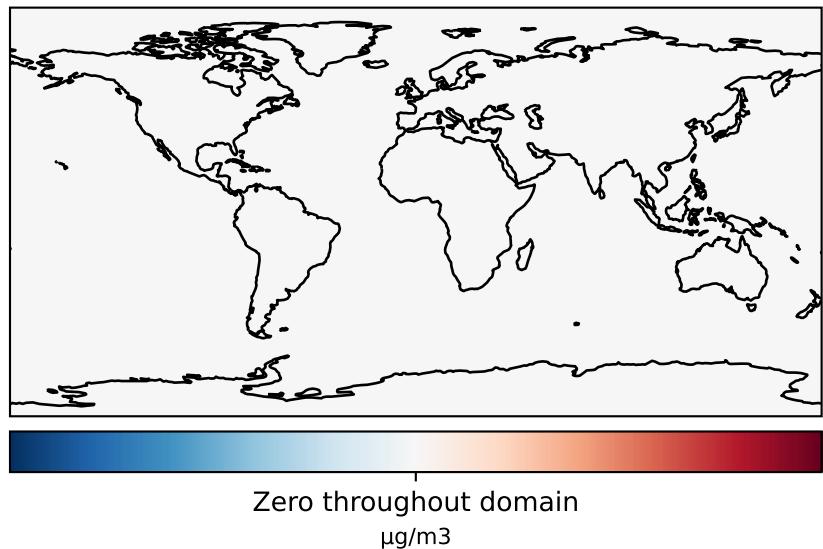
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



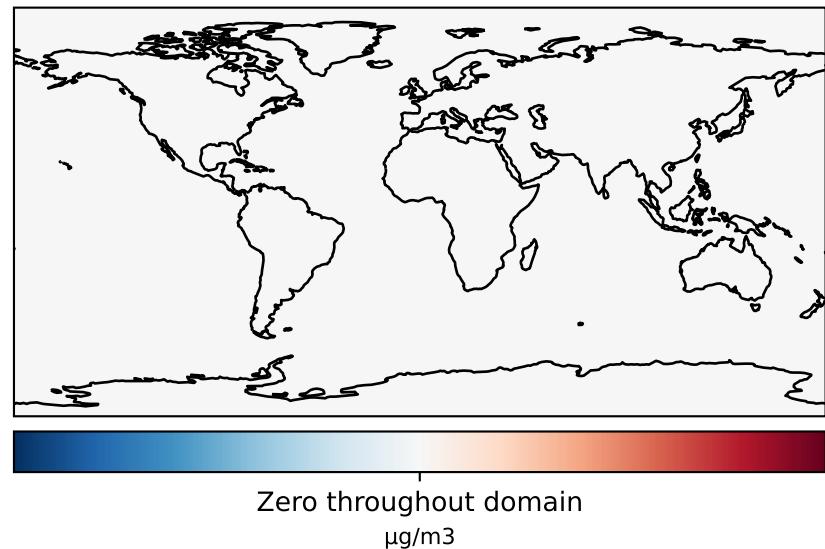
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



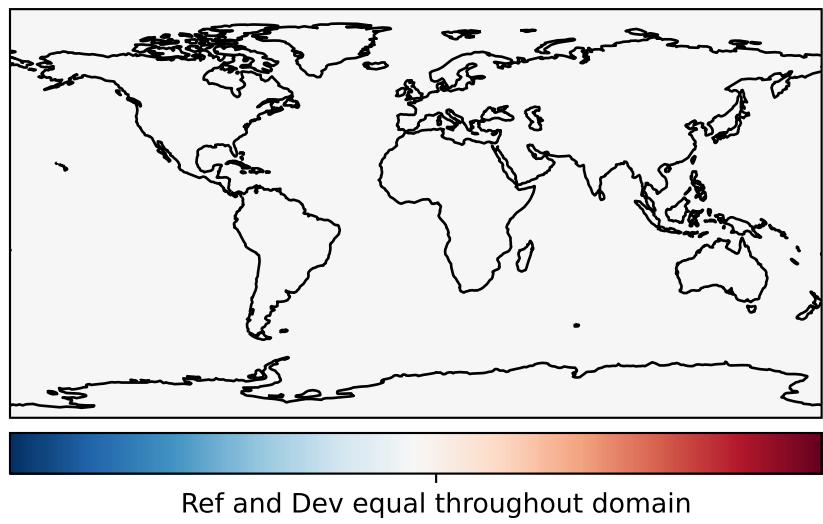
Difference
Dev - Ref, Dynamic Range



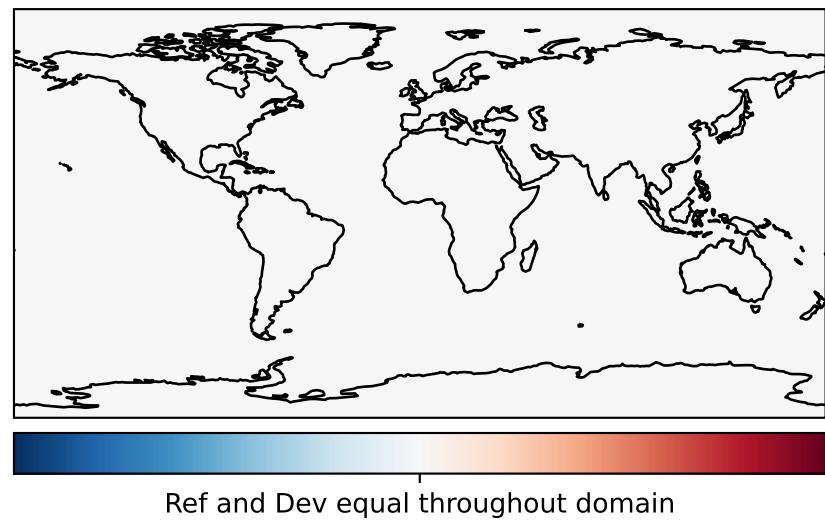
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

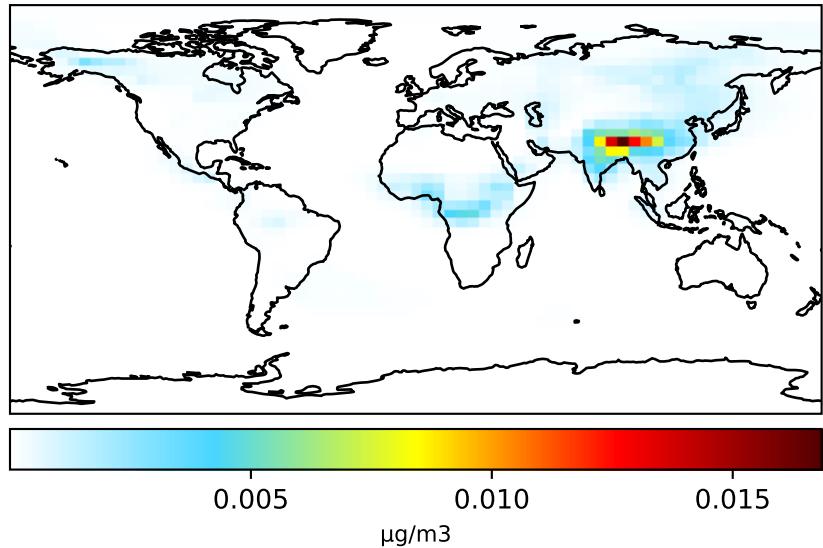


Ratio
Dev/Ref, Fixed Range

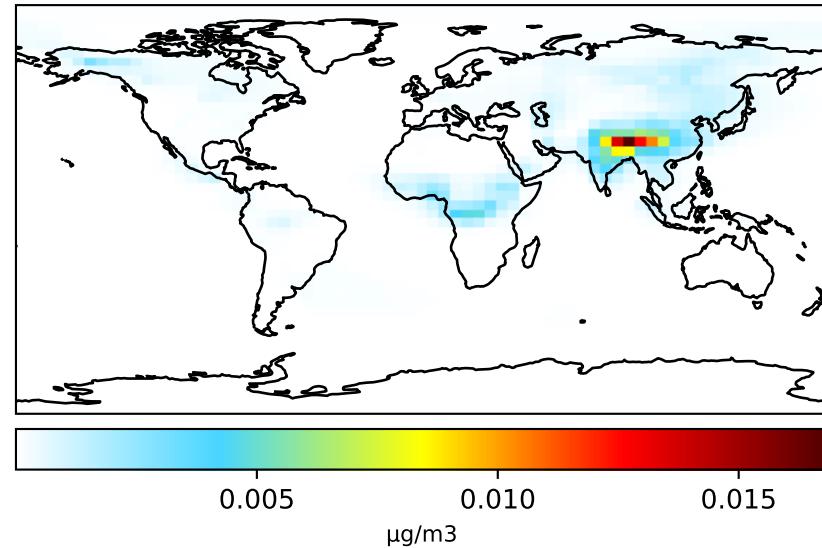


SpeciesConcVV_BCPO

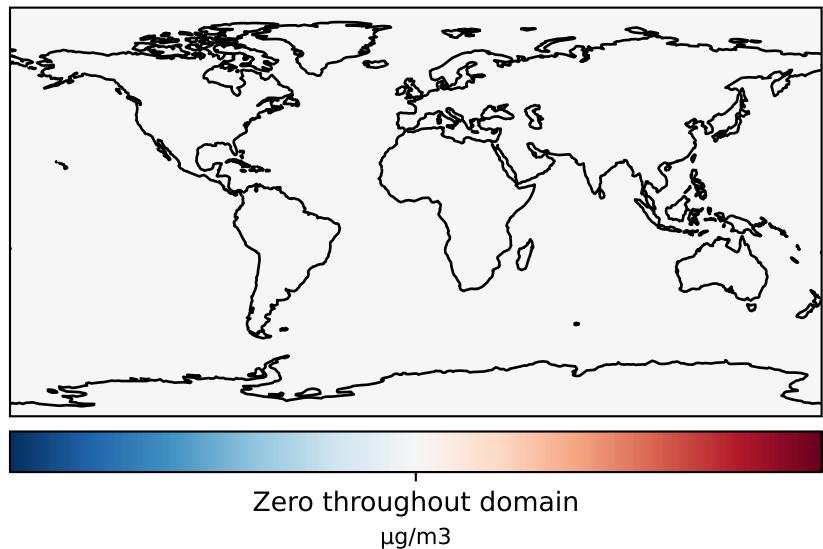
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



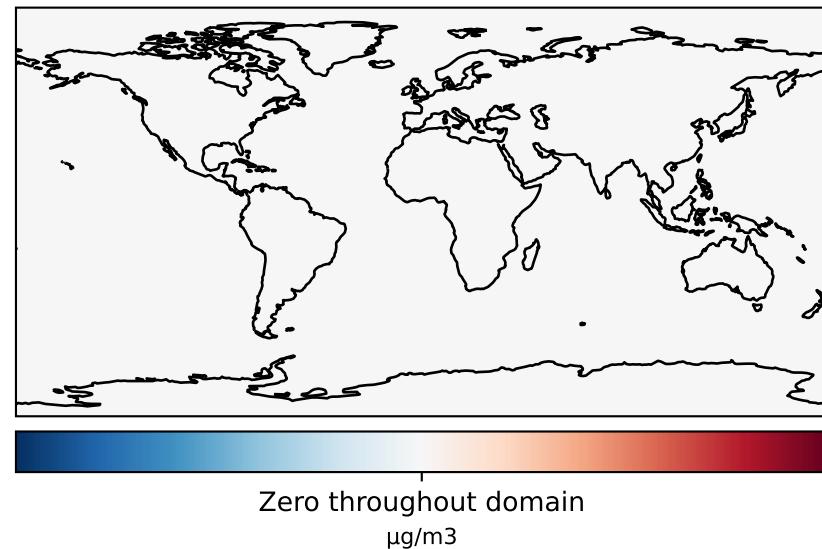
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



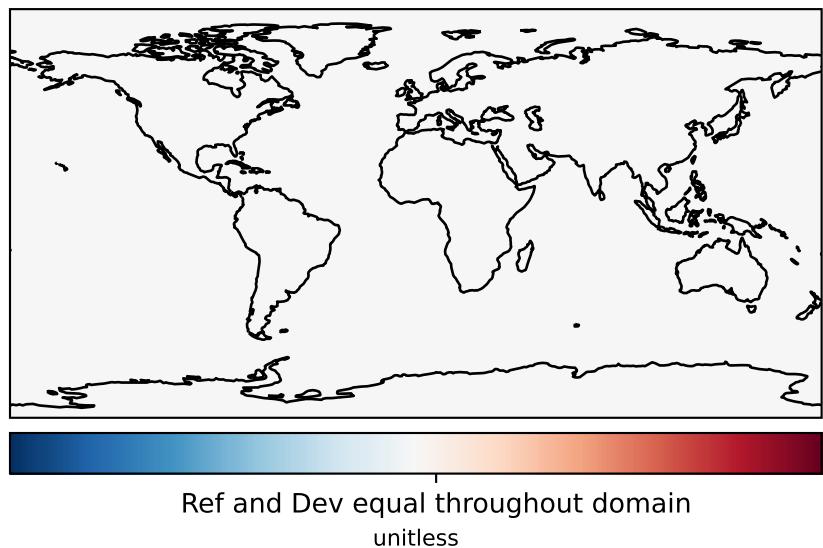
Difference
Dev - Ref, Dynamic Range



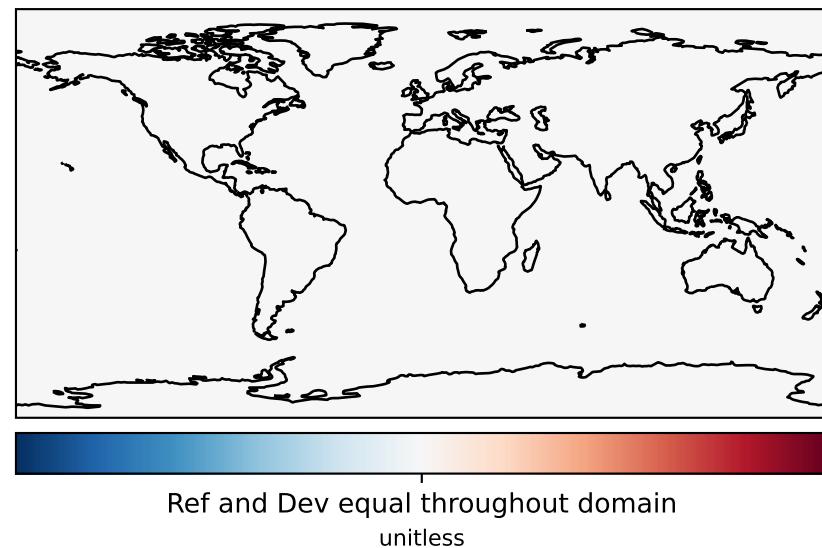
Difference
Dev - Ref, Restricted Range [5%,95%]



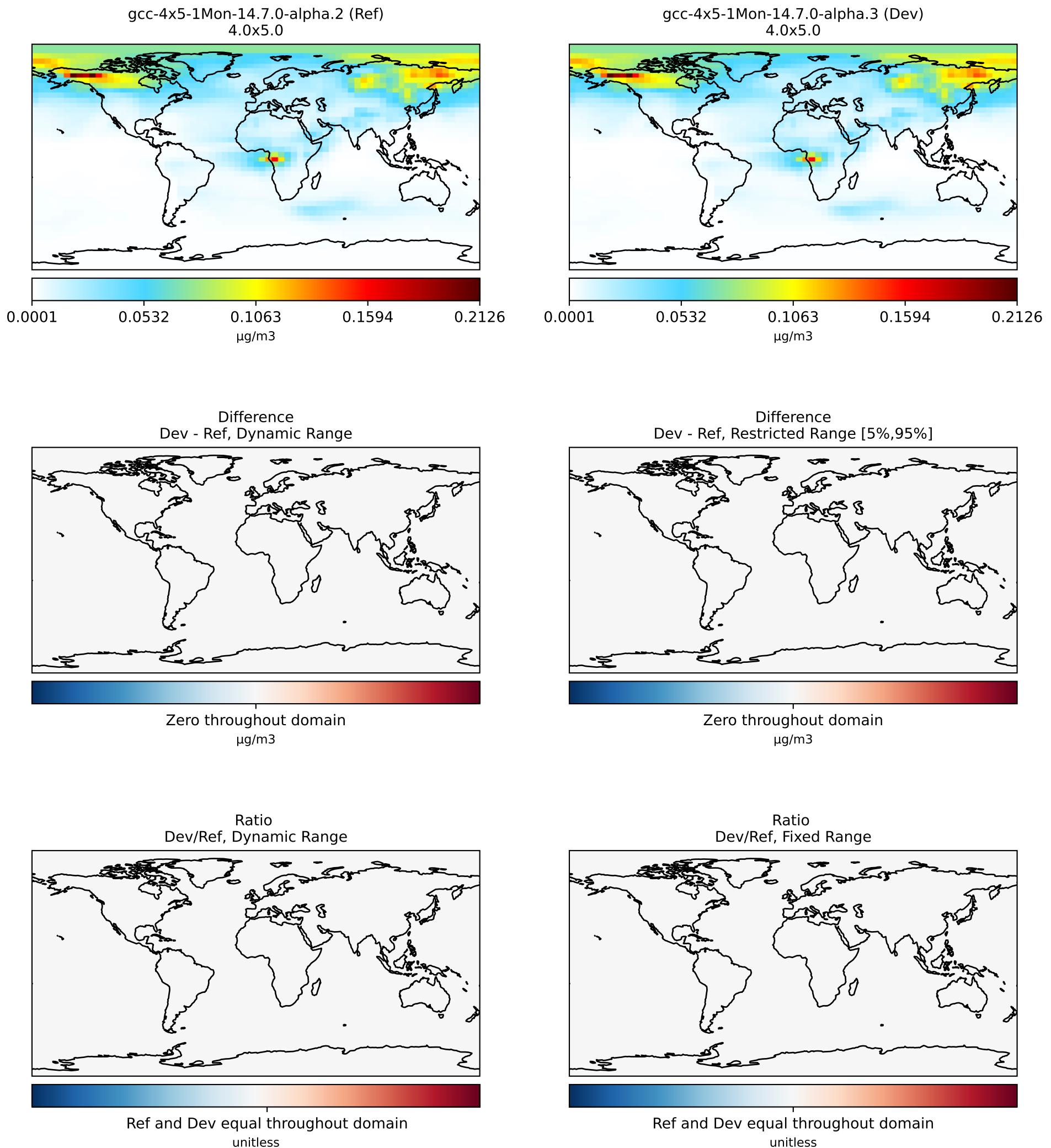
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

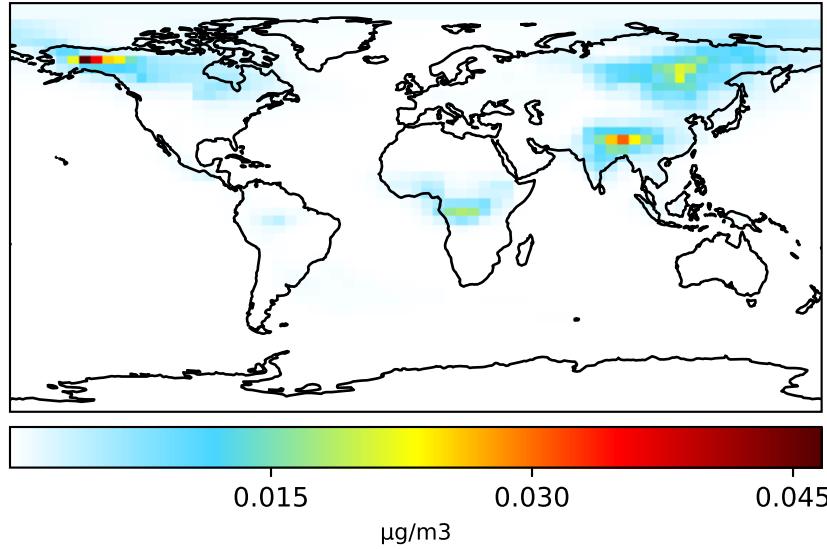


SpeciesConcVV_OCPI

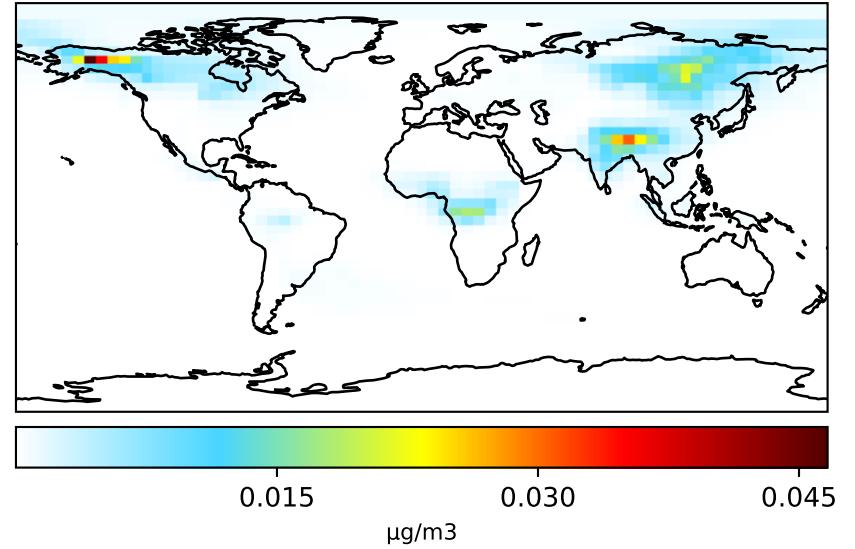


SpeciesConcVV_OCPO

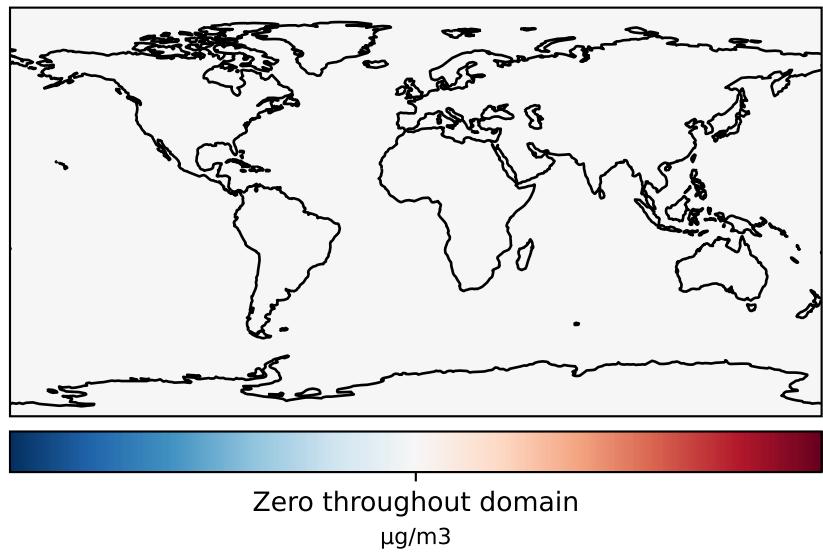
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



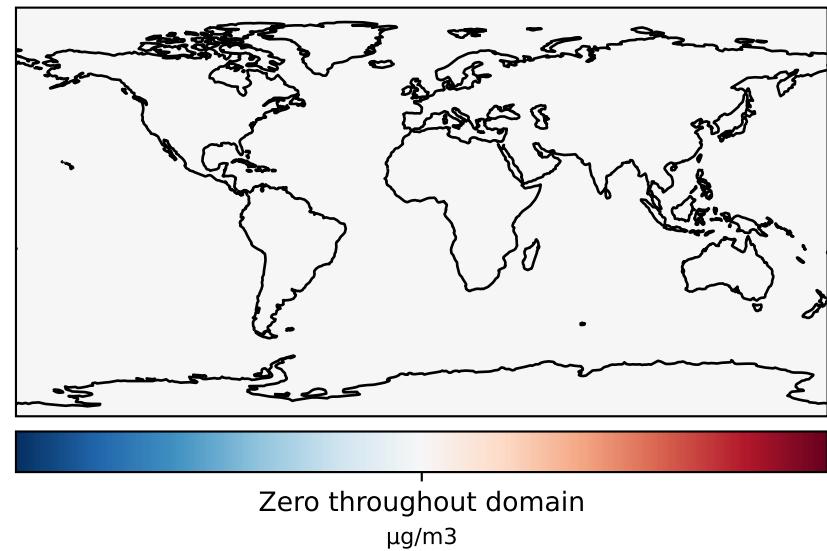
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



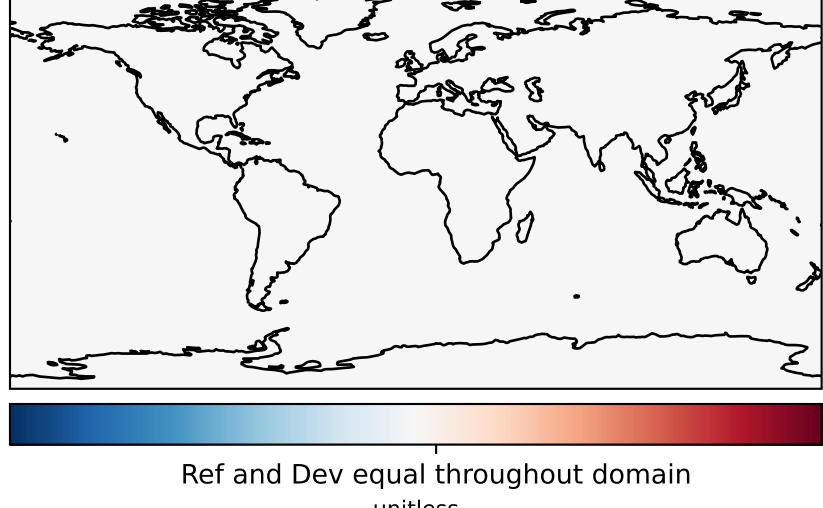
Difference
Dev - Ref, Dynamic Range



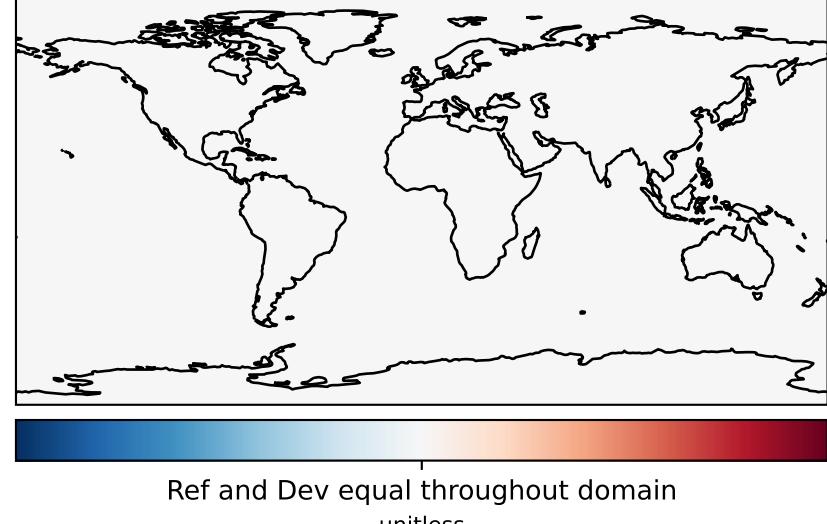
Difference
Dev - Ref, Restricted Range [5%, 95%]



Ratio
Dev/Ref, Dynamic Range

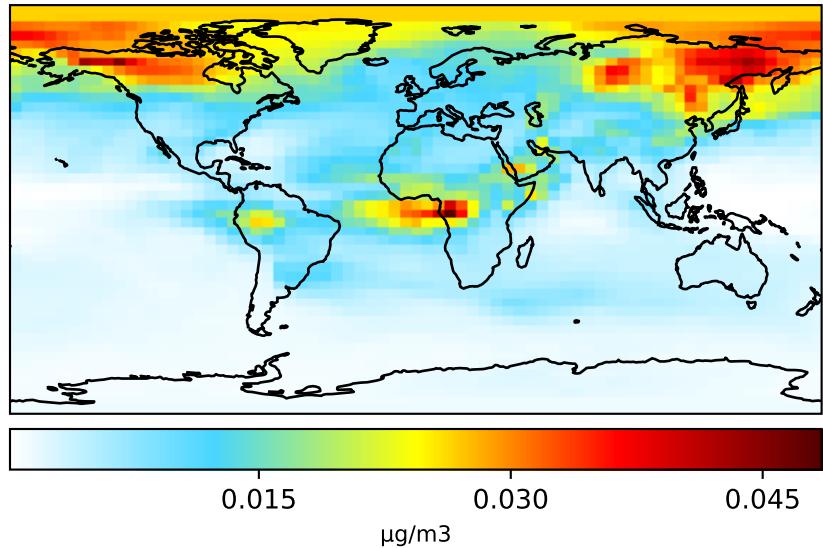


Ratio
Dev/Ref, Fixed Range

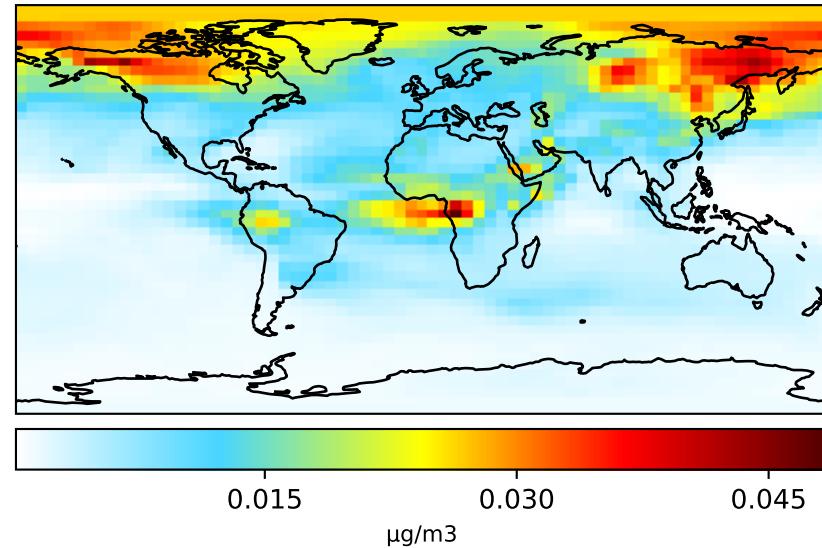


SpeciesConcVV_Complex_SOA

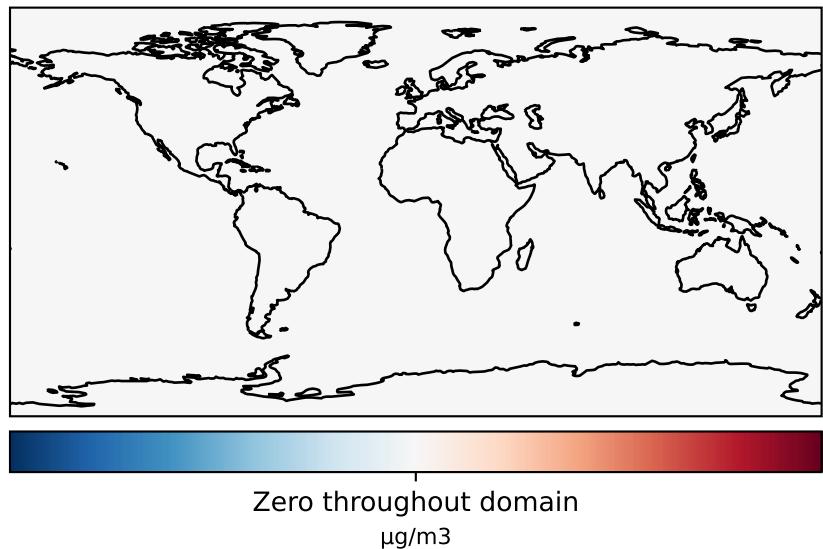
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



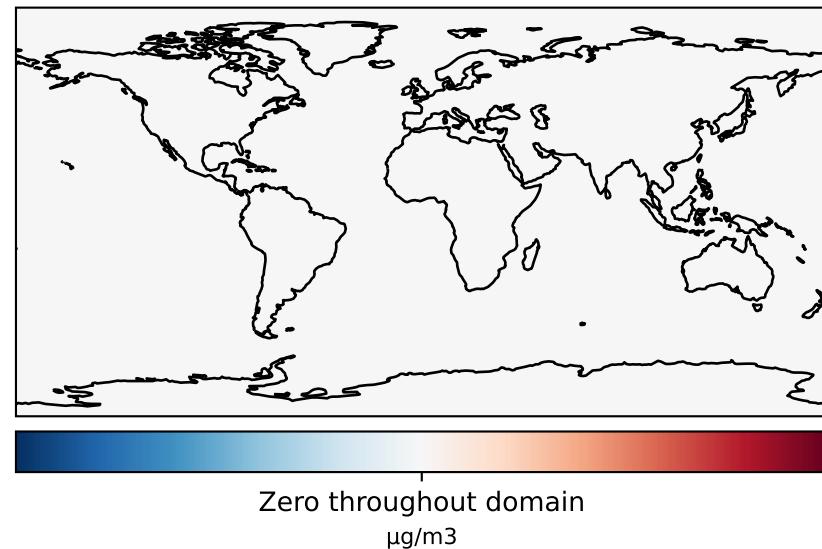
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



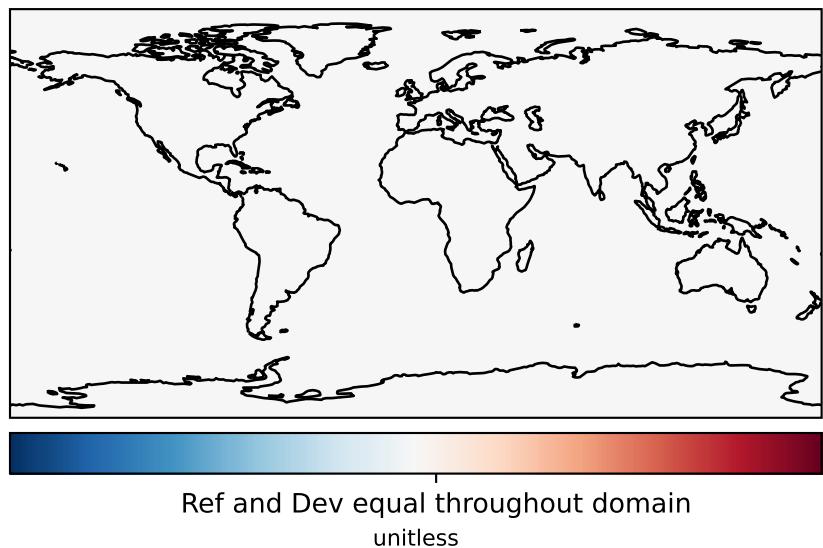
Difference
Dev - Ref, Dynamic Range



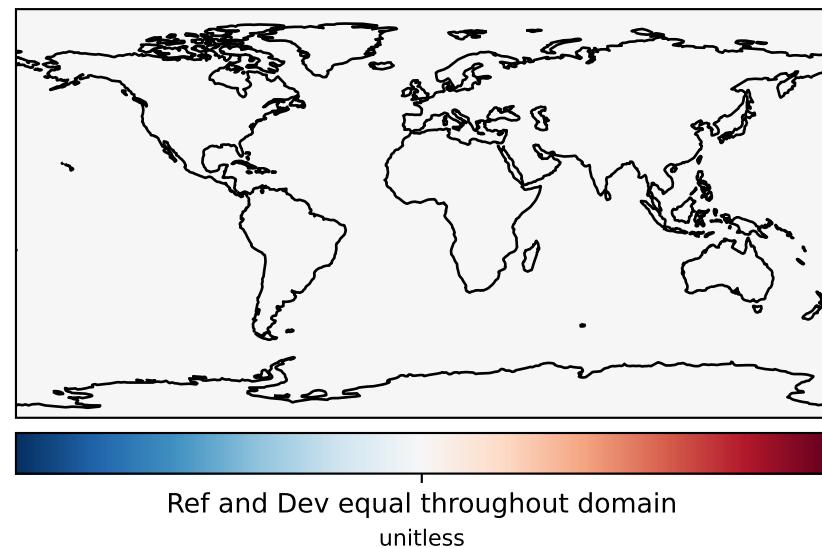
Difference
Dev - Ref, Restricted Range [5%,95%]



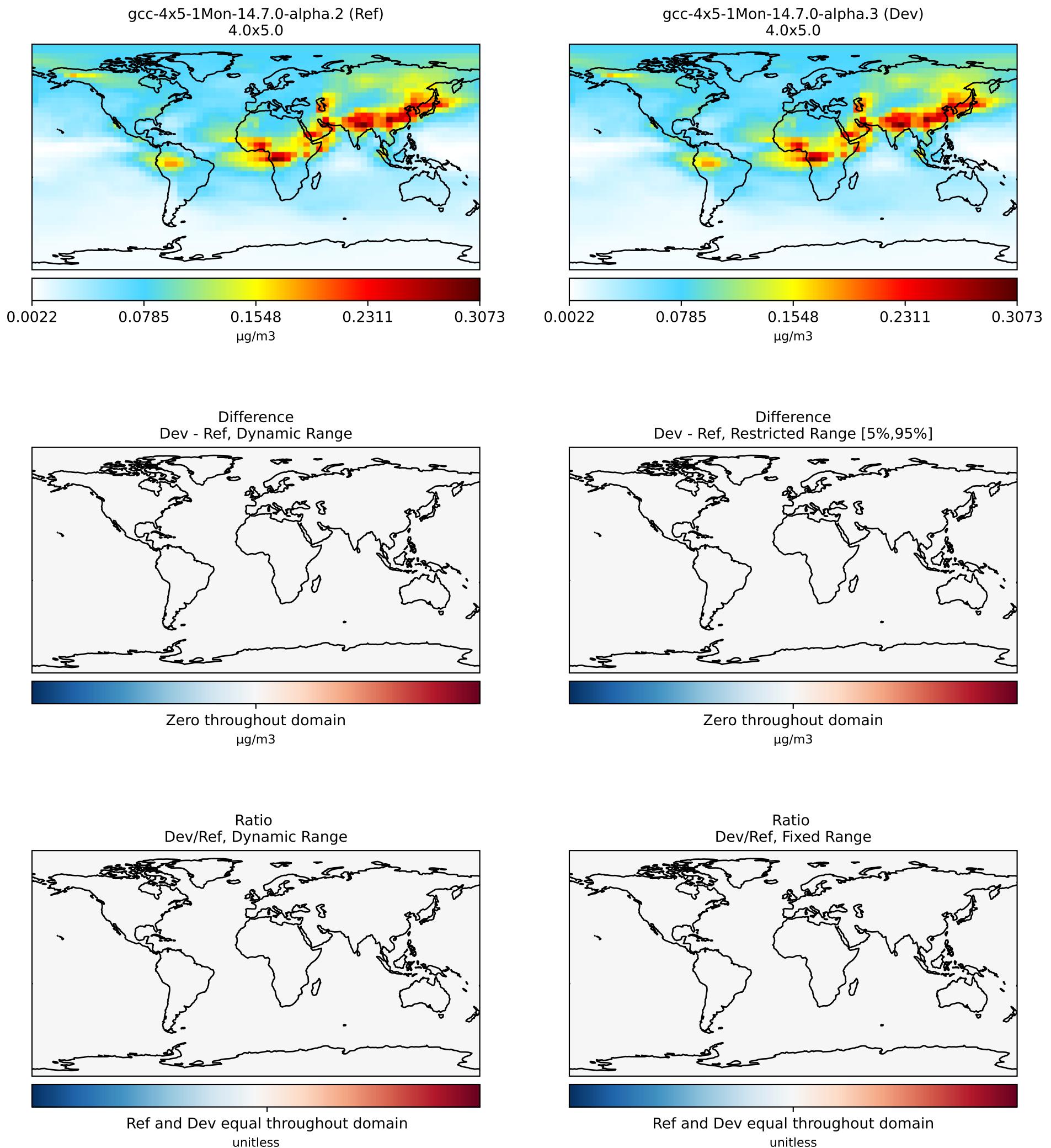
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

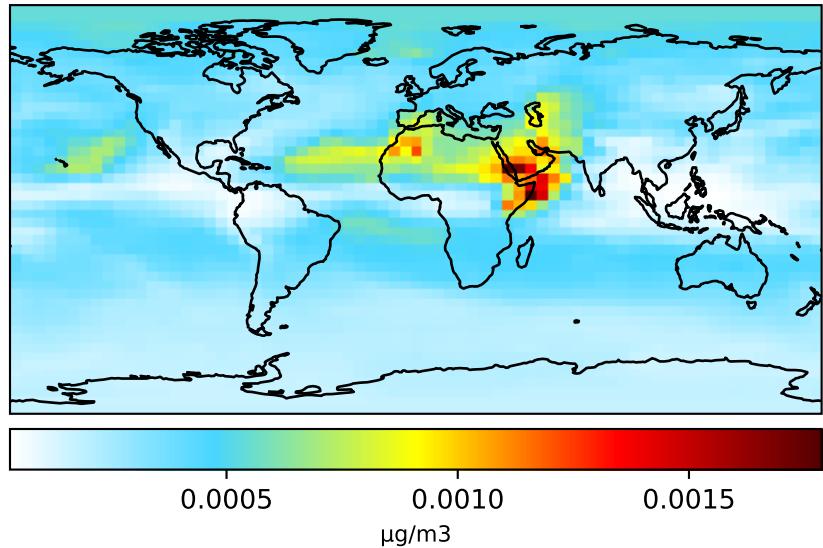


SpeciesConcVV_Simple_SOA

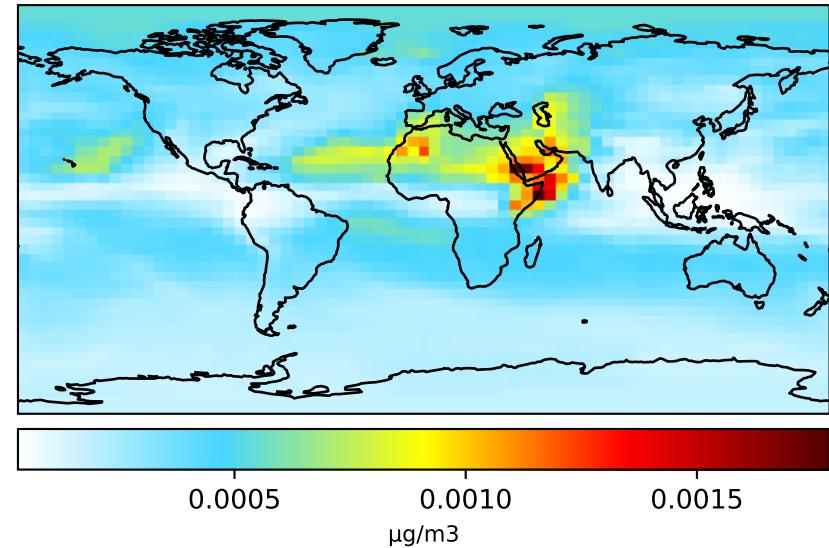


SpeciesConcVV_AERI

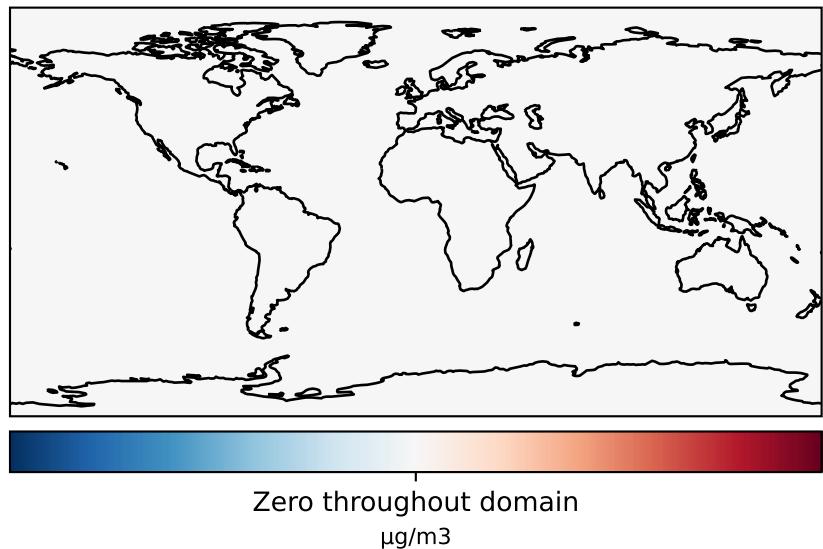
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



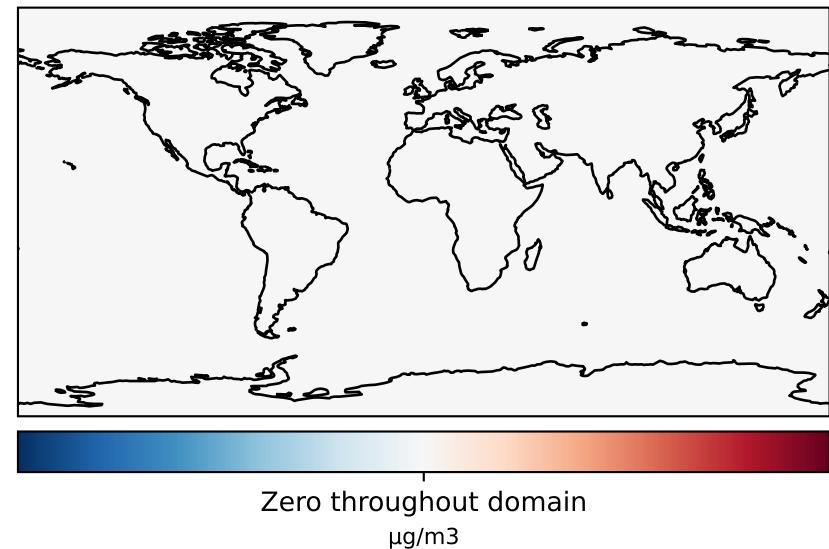
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



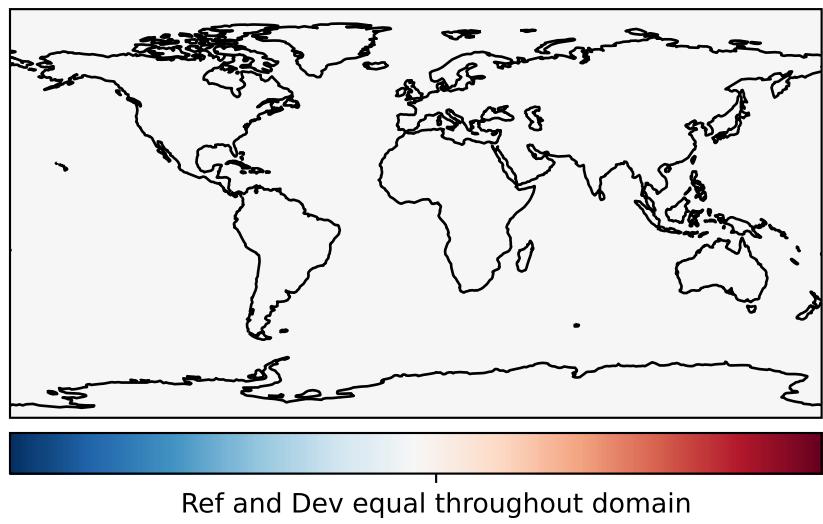
Difference
Dev - Ref, Dynamic Range



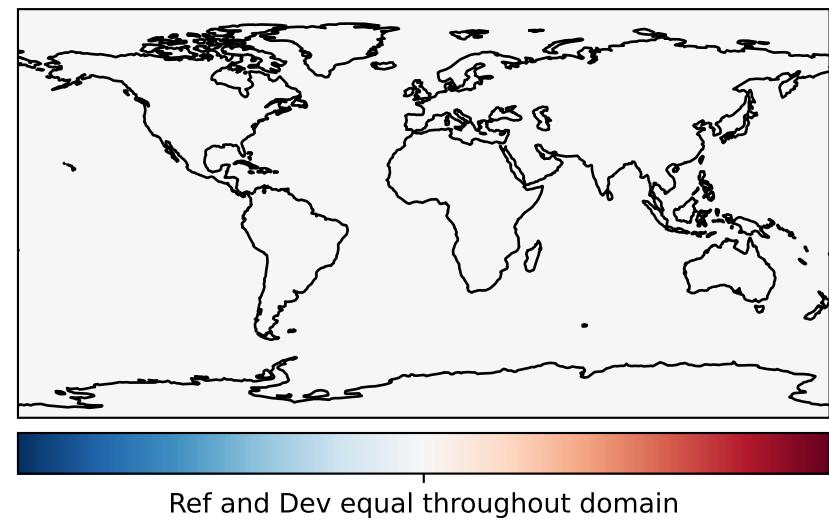
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

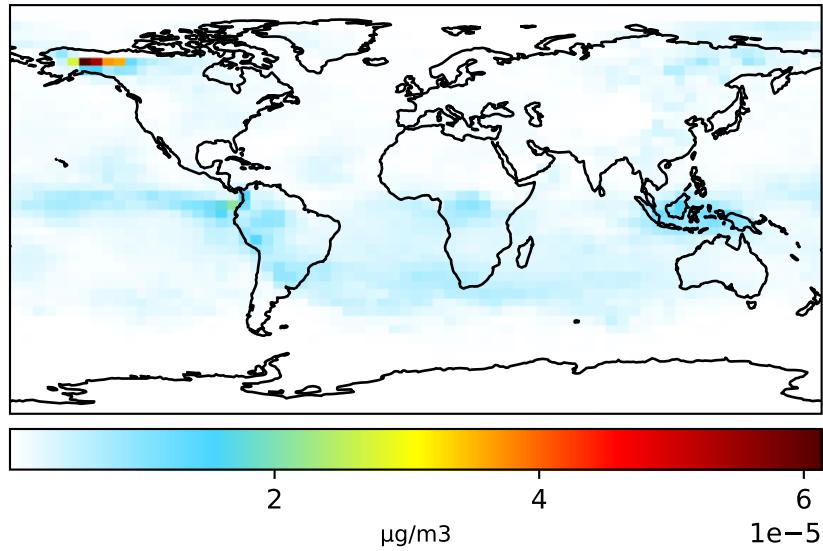


Ratio
Dev/Ref, Fixed Range

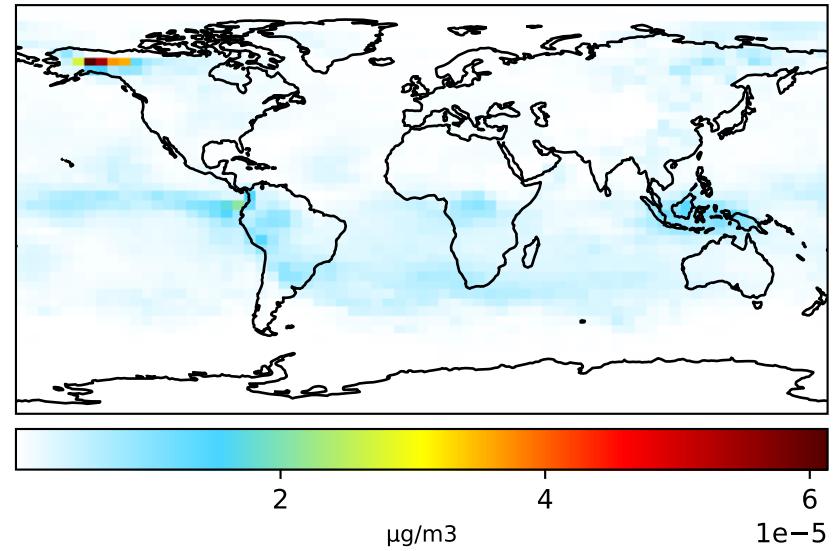


SpeciesConcVV_BrSALA

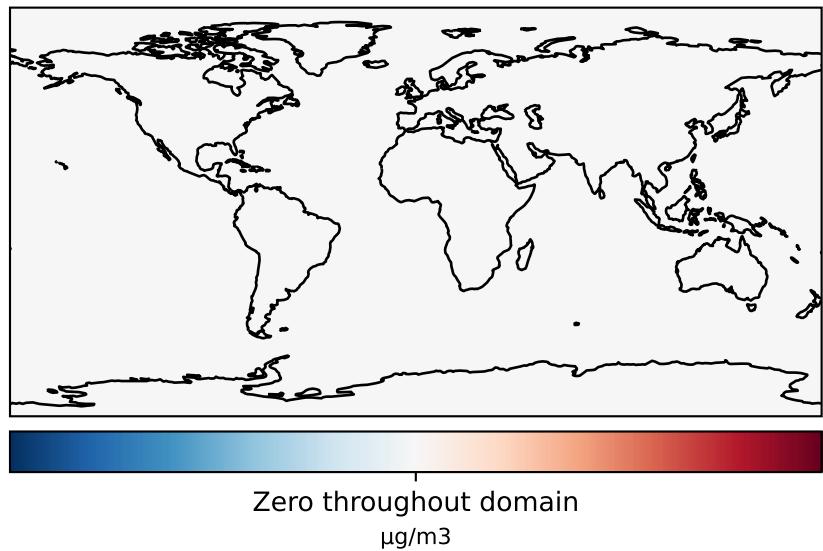
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



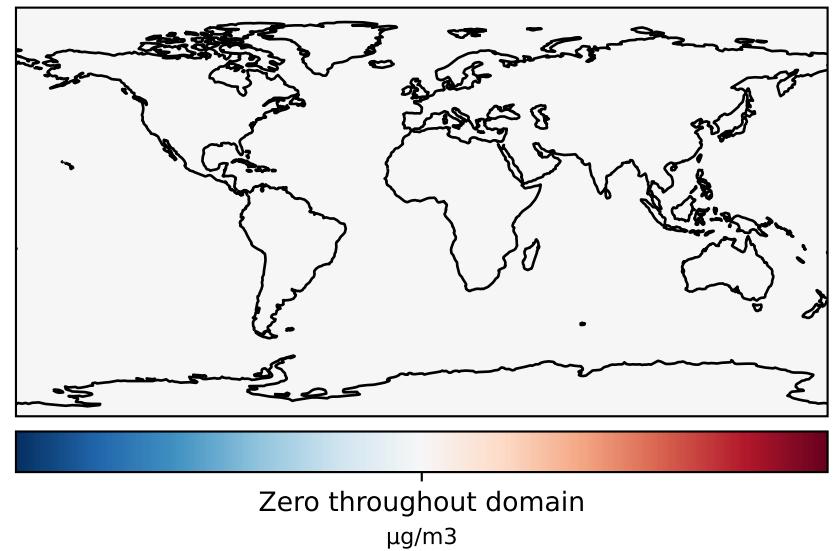
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



Difference
Dev - Ref, Dynamic Range



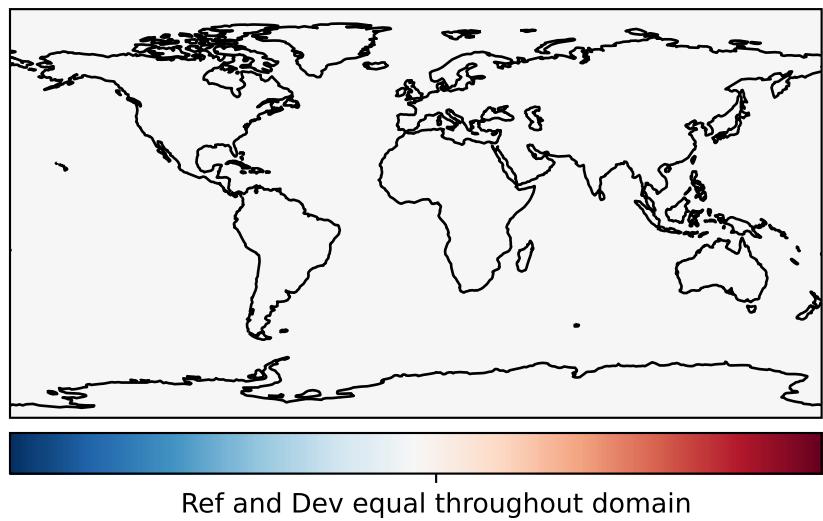
Difference
Dev - Ref, Restricted Range [5%, 95%]



Zero throughout domain
μg/m3

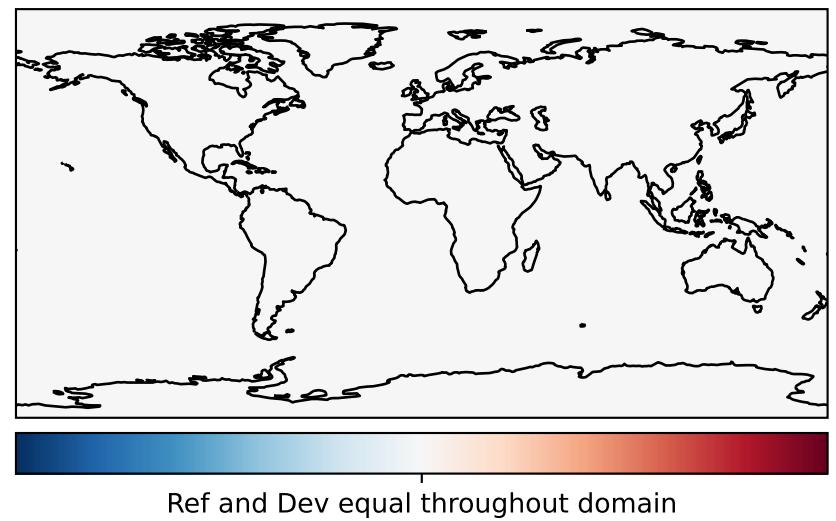
Zero throughout domain
μg/m3

Ratio
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain
unitless

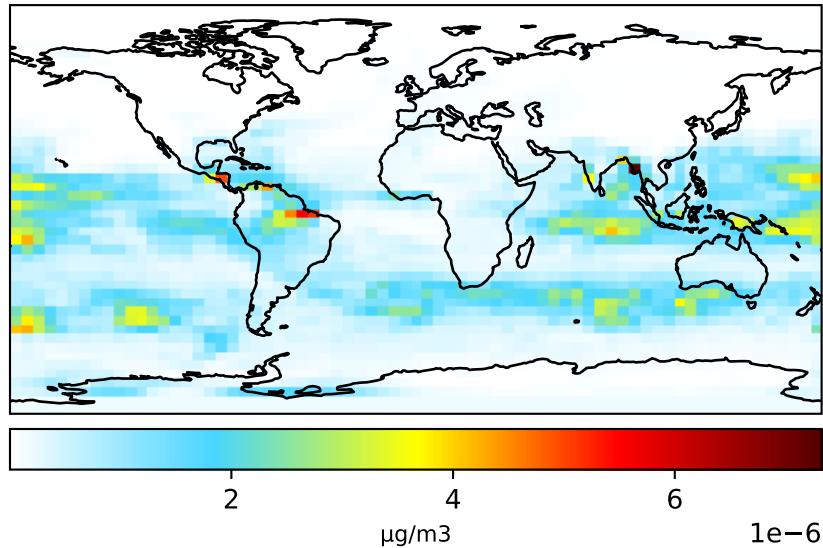
Ratio
Dev/Ref, Fixed Range



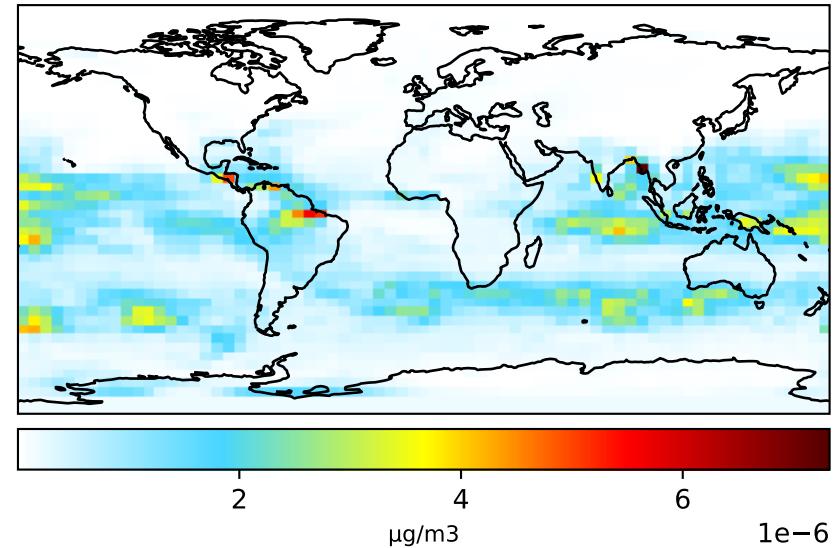
Ref and Dev equal throughout domain
unitless

SpeciesConcVV_BrSALC

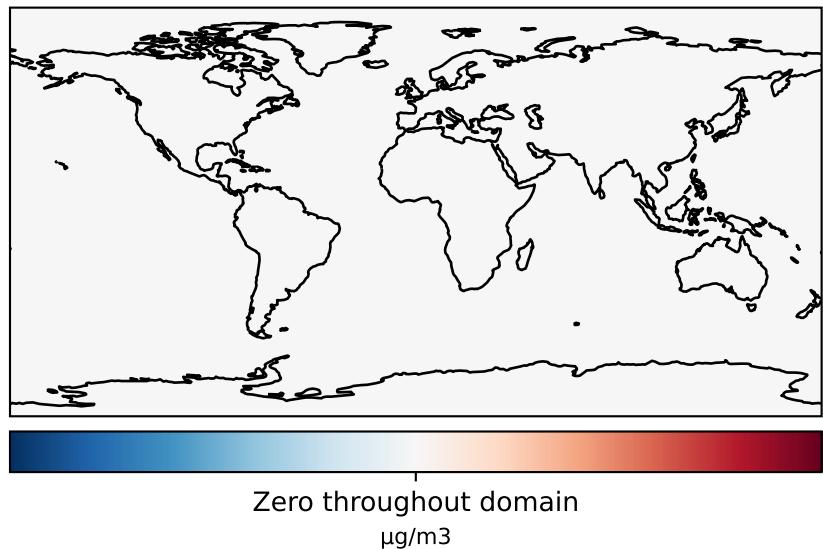
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



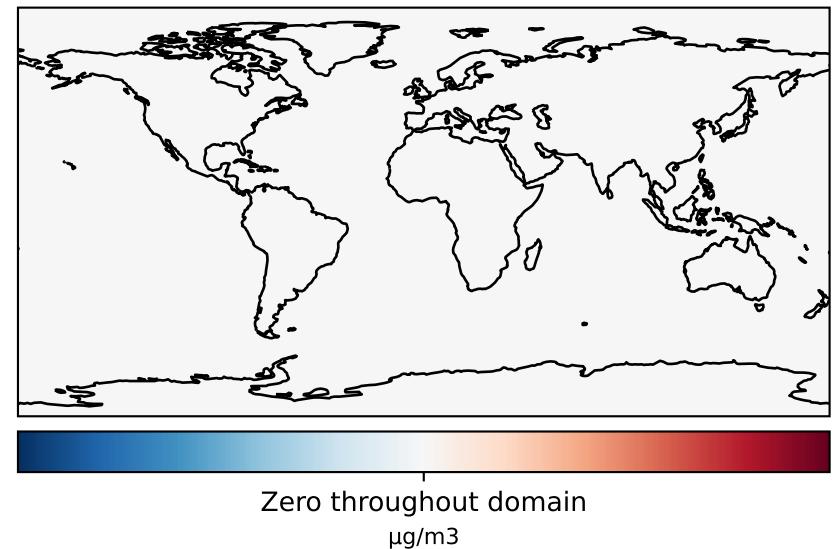
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4.0x5.0



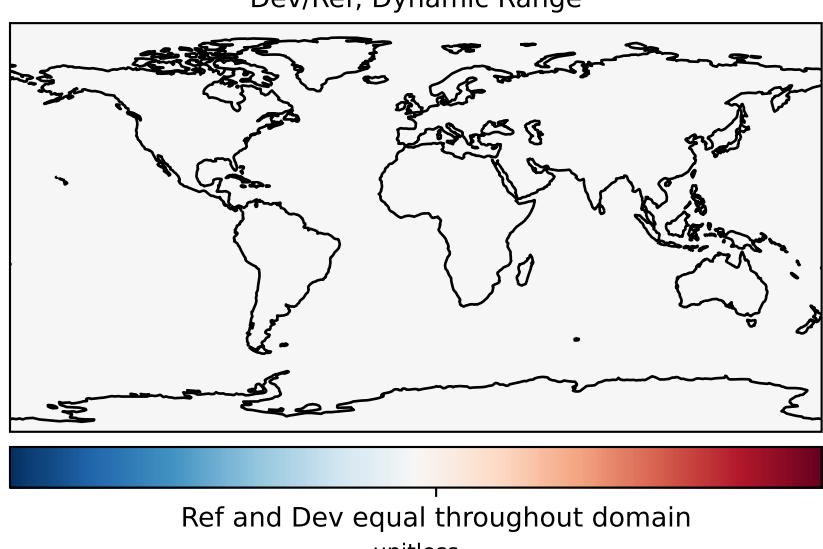
Difference
Dev - Ref, Dynamic Range



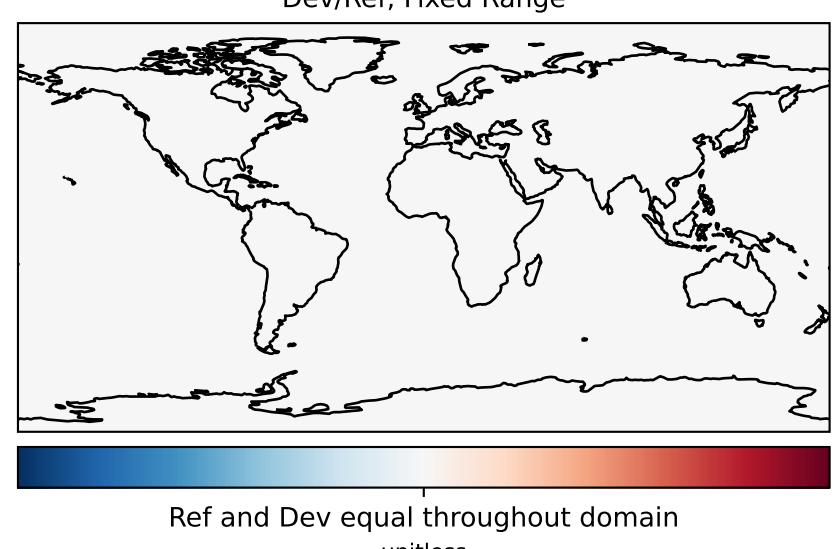
Difference
Dev - Ref, Restricted Range [5%, 95%]



Ratio
Dev/Ref, Dynamic Range

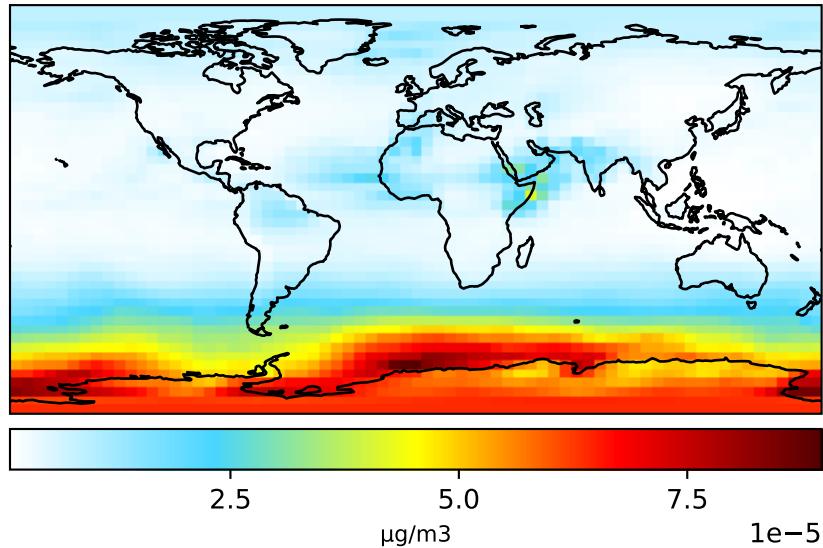


Ratio
Dev/Ref, Fixed Range

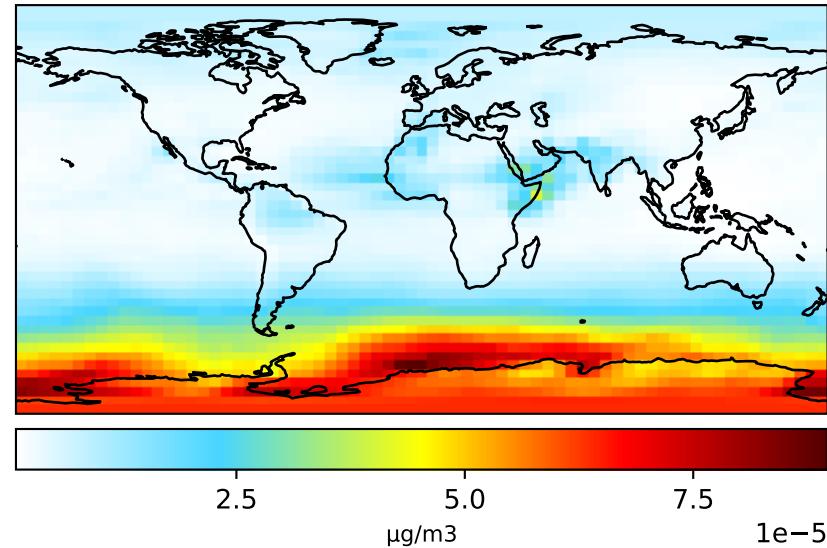


SpeciesConcVV_ISALA

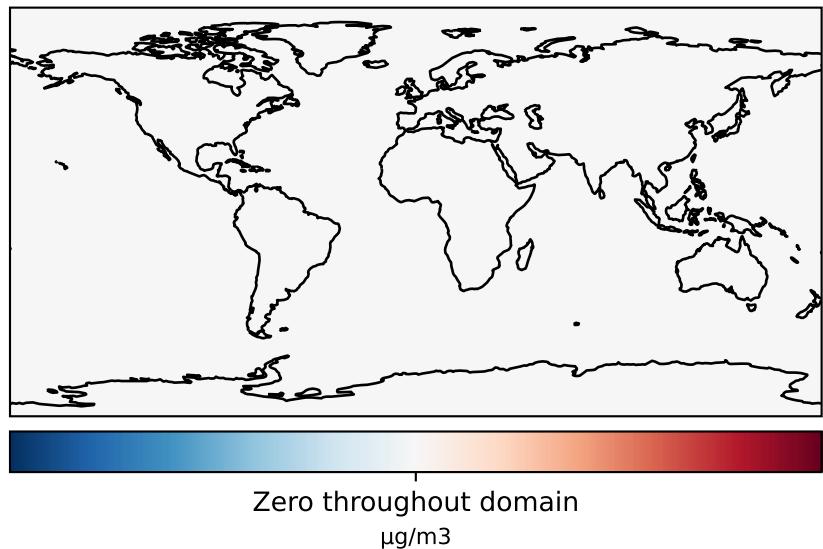
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



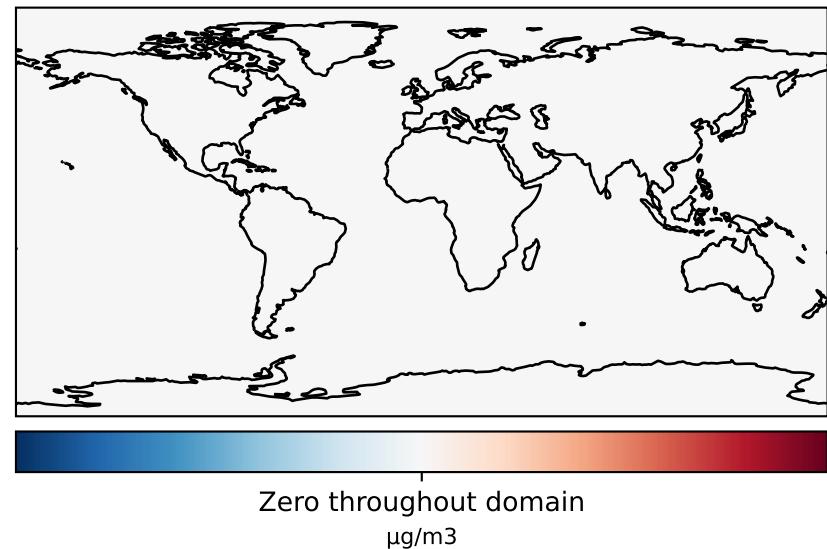
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



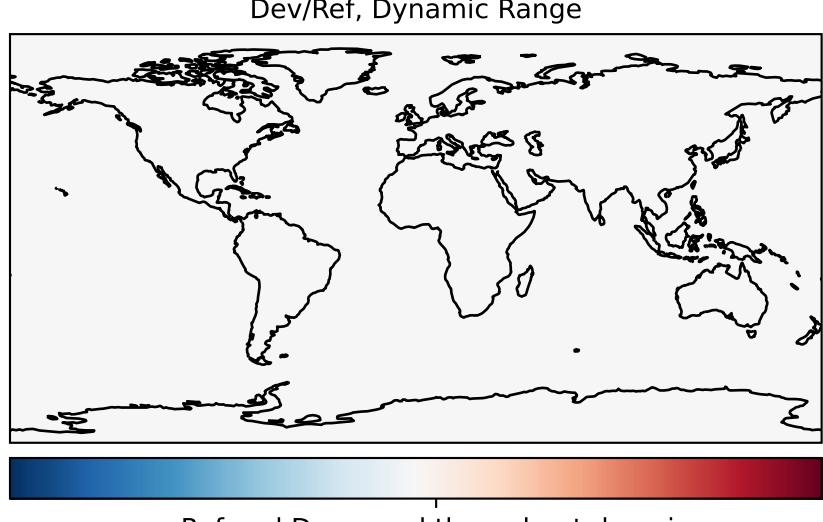
Difference
Dev - Ref, Dynamic Range



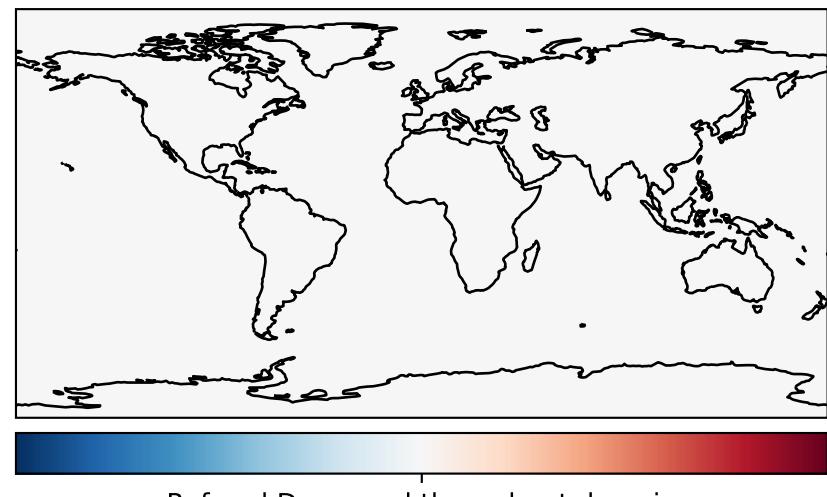
Difference
Dev - Ref, Restricted Range [5%, 95%]



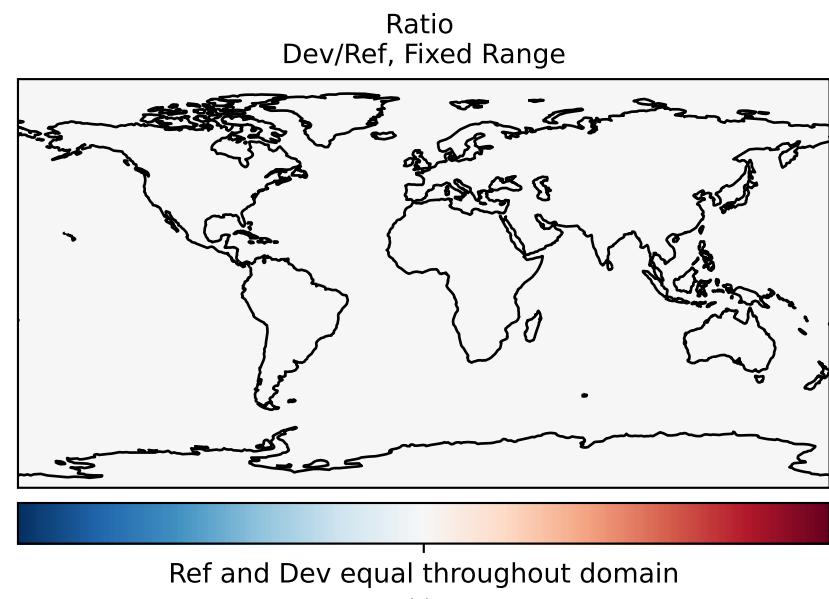
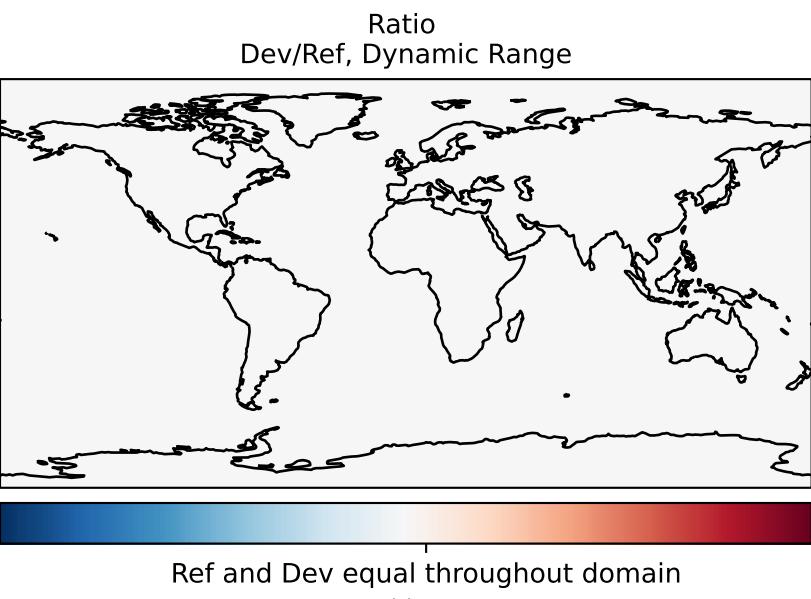
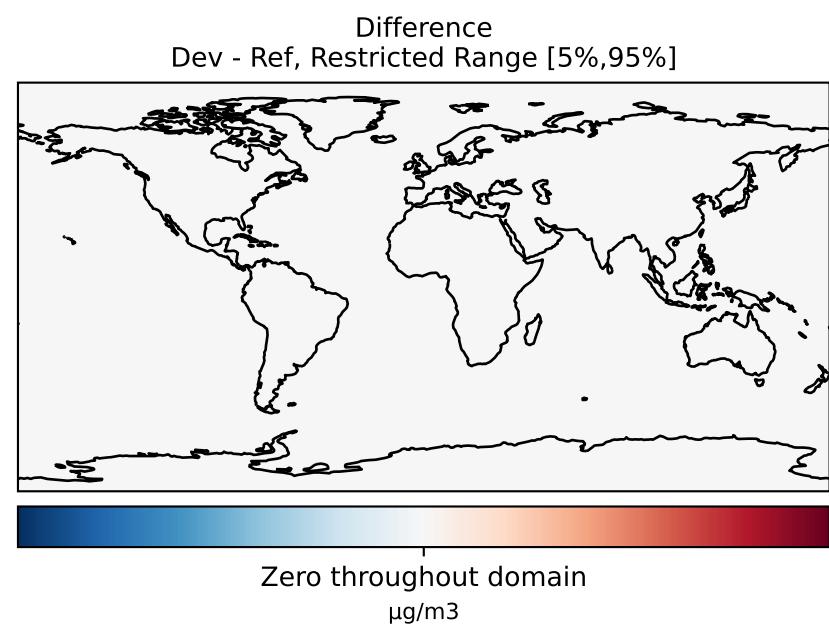
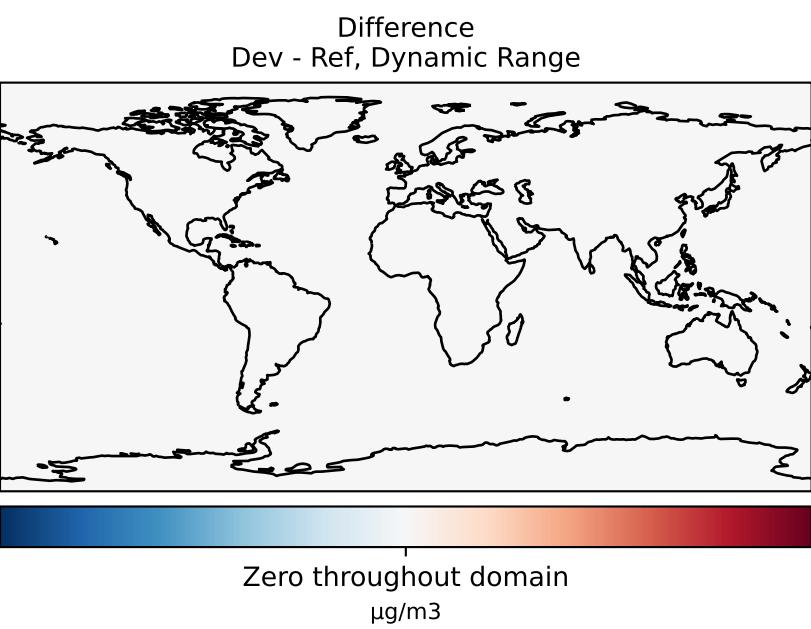
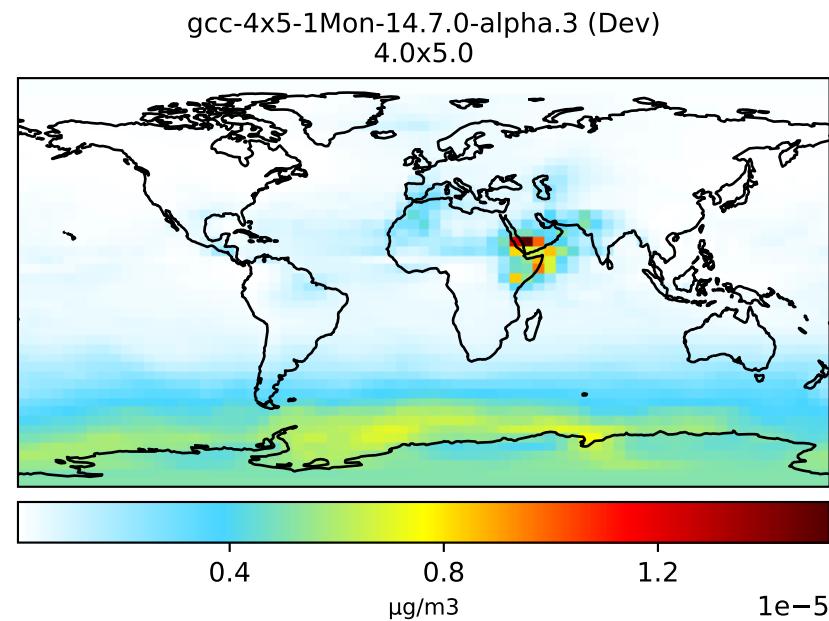
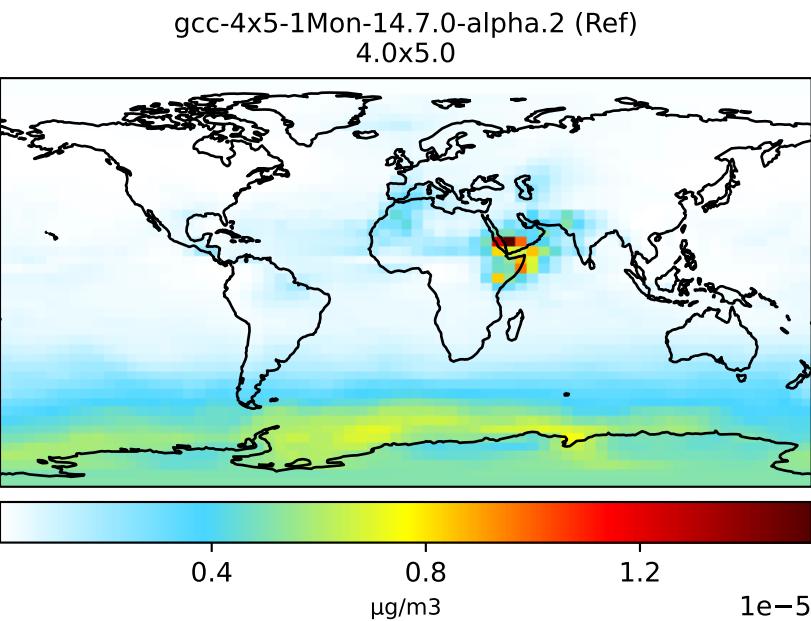
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

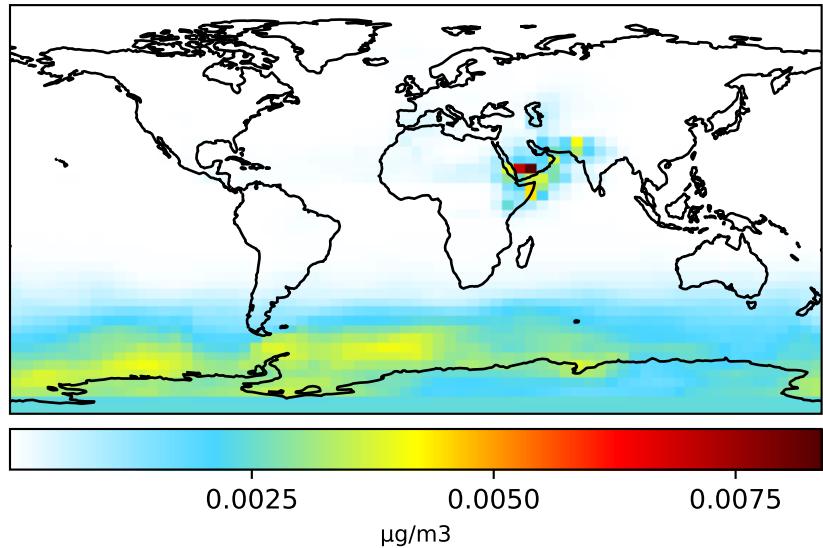


SpeciesConcVV_ISALC

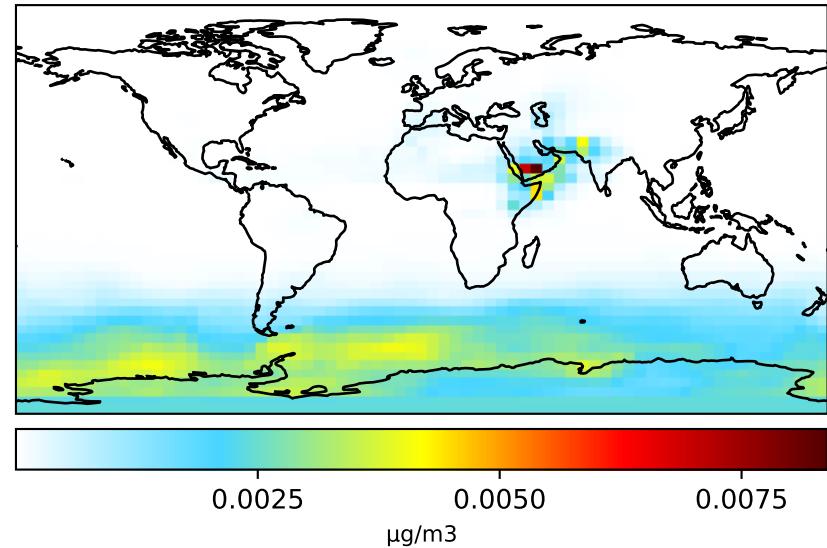


SpeciesConcVV_NITs

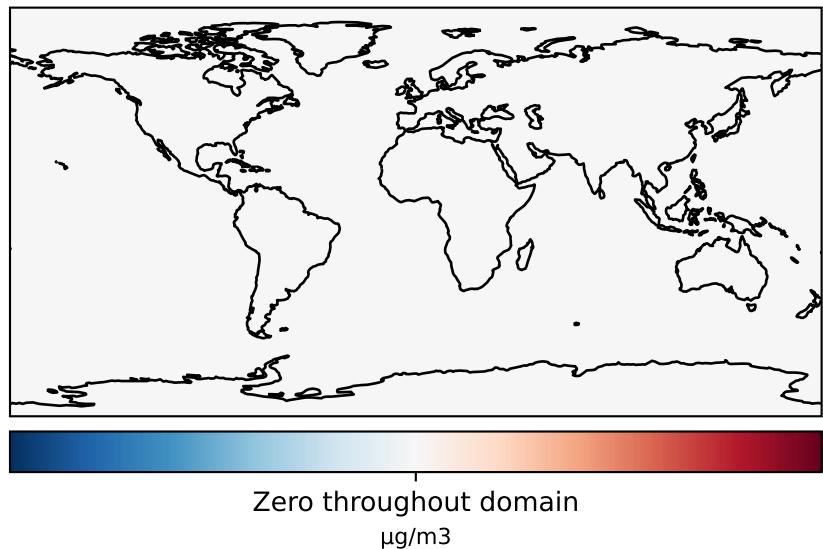
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



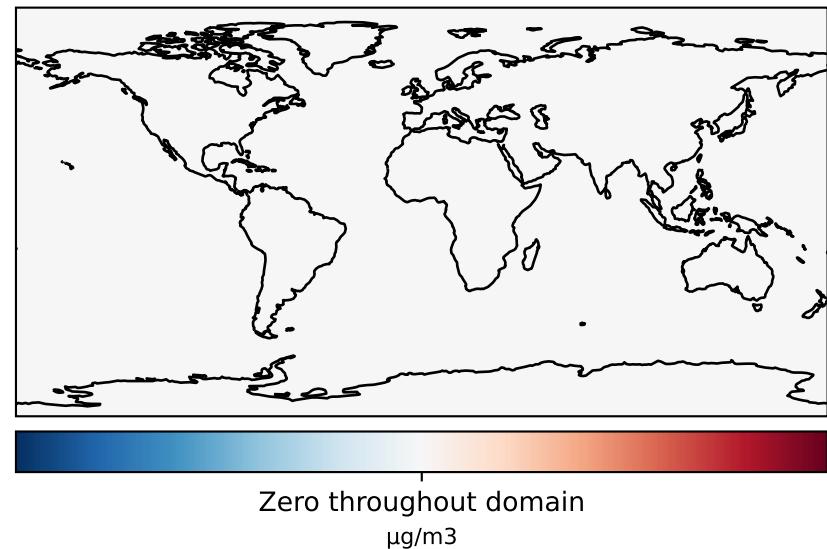
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



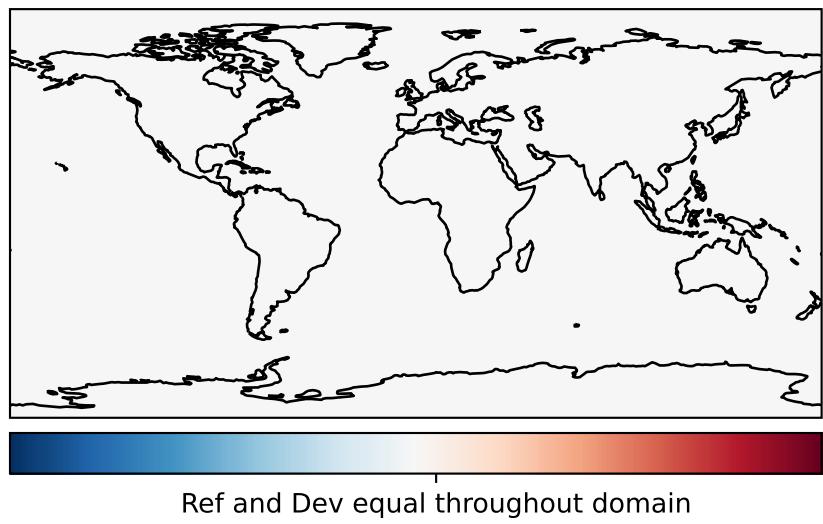
Difference
Dev - Ref, Dynamic Range



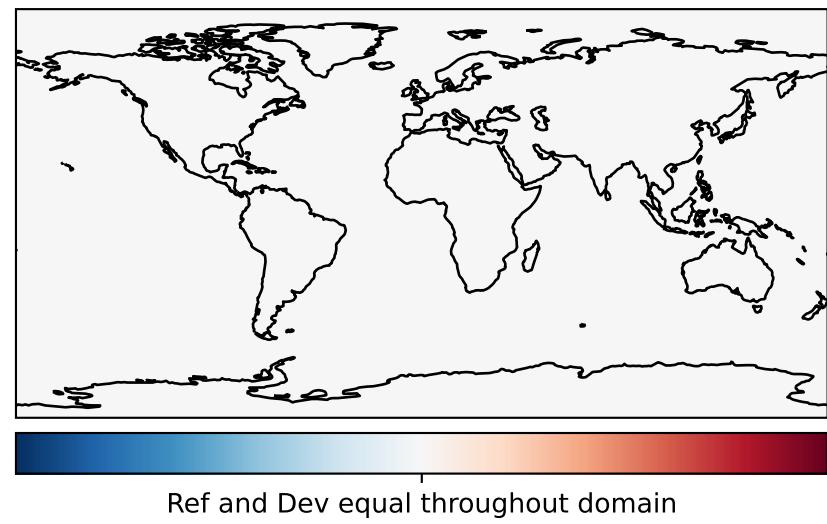
Difference
Dev - Ref, Restricted Range [5%, 95%]



Ratio
Dev/Ref, Dynamic Range

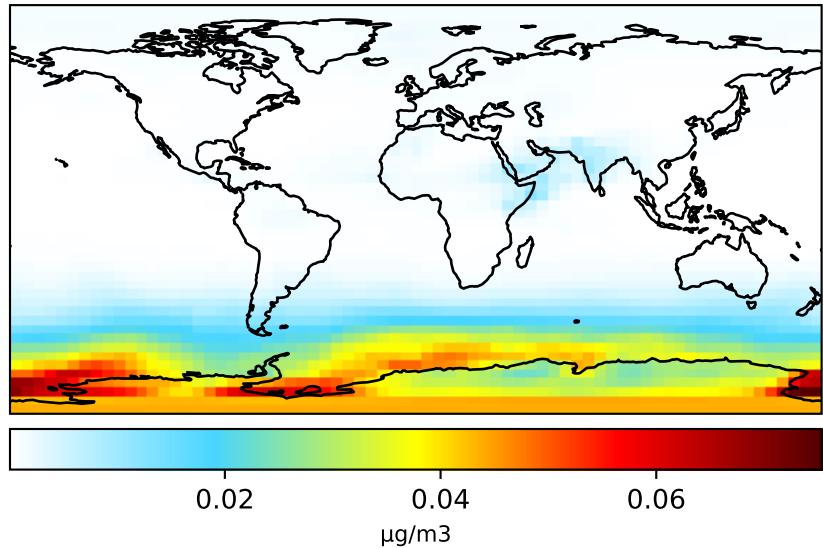


Ratio
Dev/Ref, Fixed Range

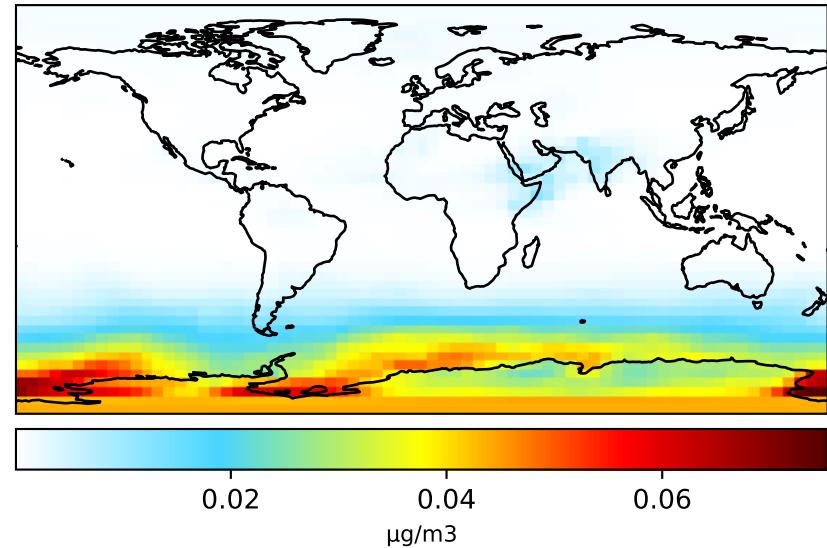


SpeciesConcVV_SALA

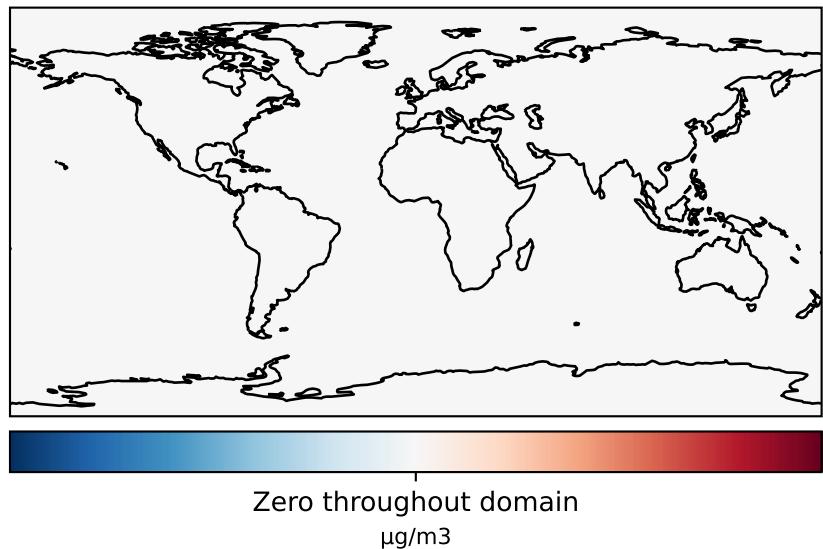
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



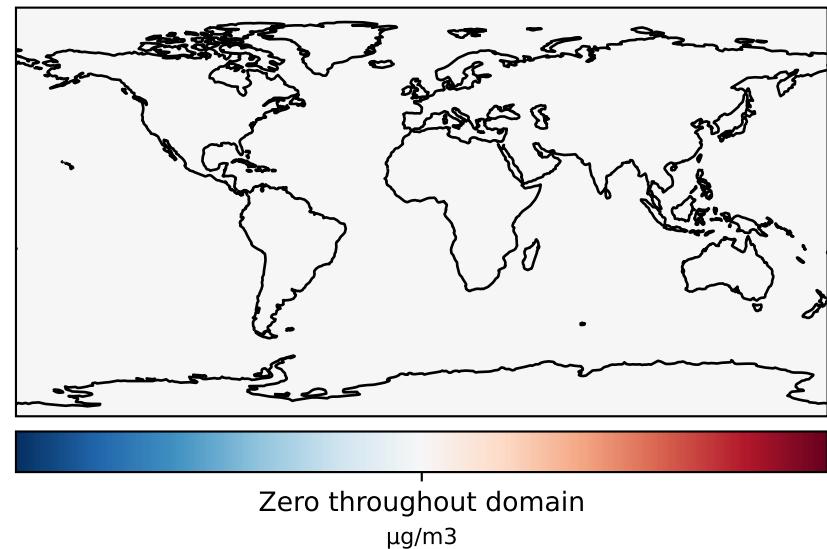
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



Difference
Dev - Ref, Dynamic Range



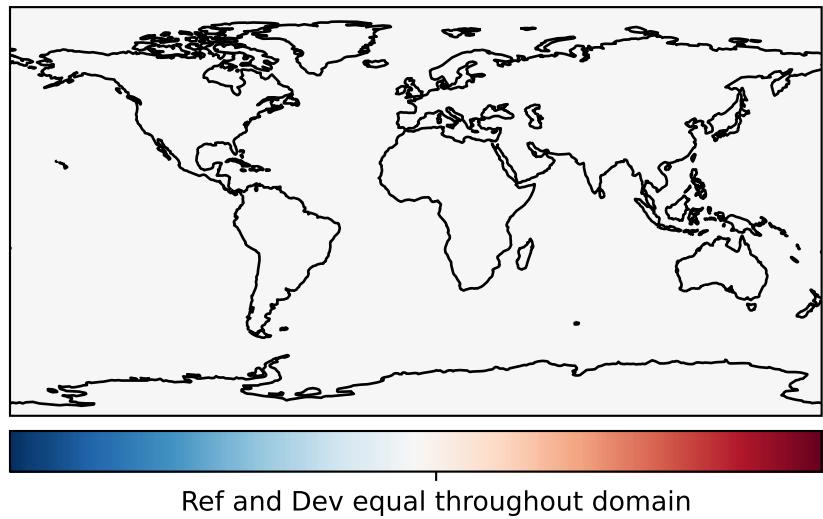
Difference
Dev - Ref, Restricted Range [5%, 95%]



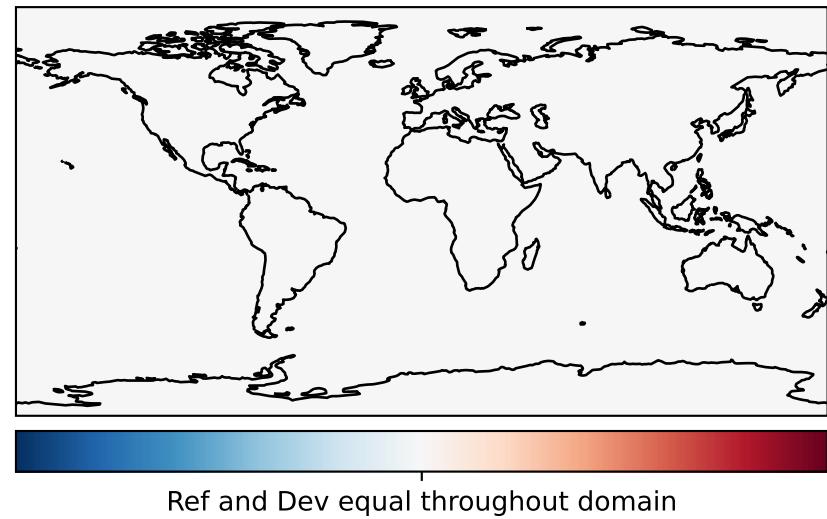
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

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

Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

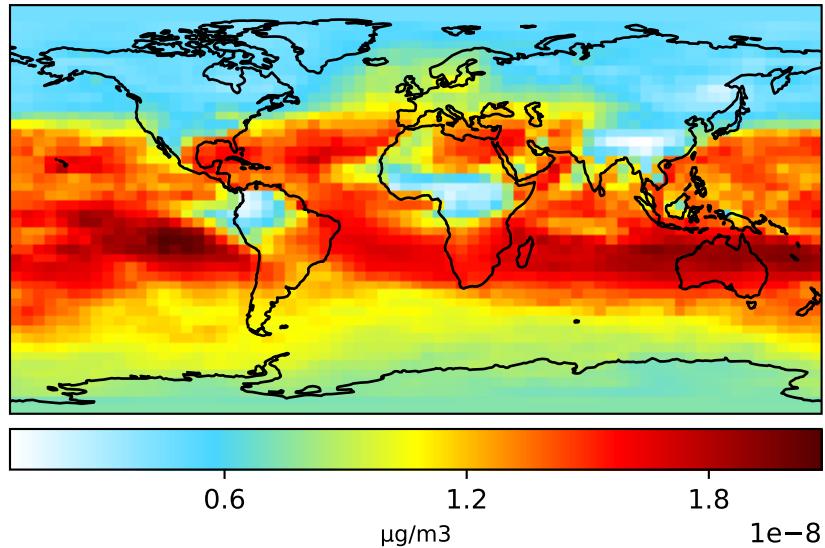


Ref and Dev equal throughout domain
unitless

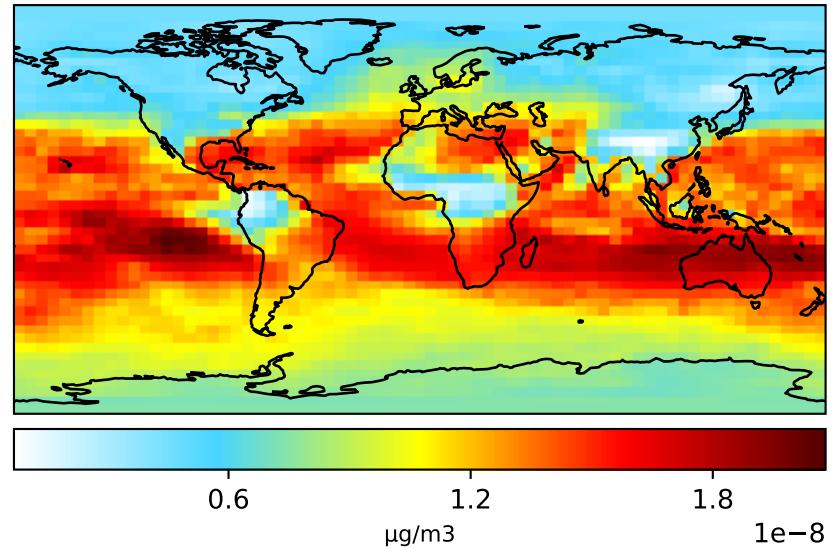
Ref and Dev equal throughout domain
unitless

SpeciesConcVV_SALAAL

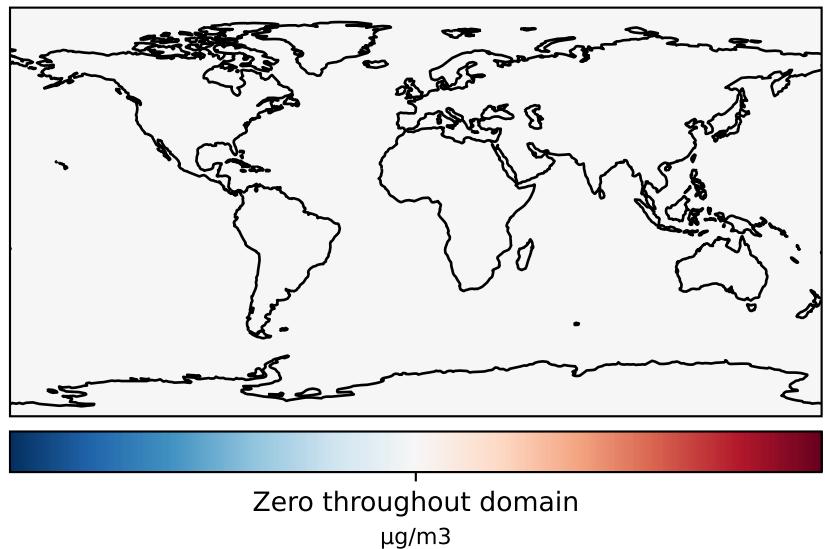
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



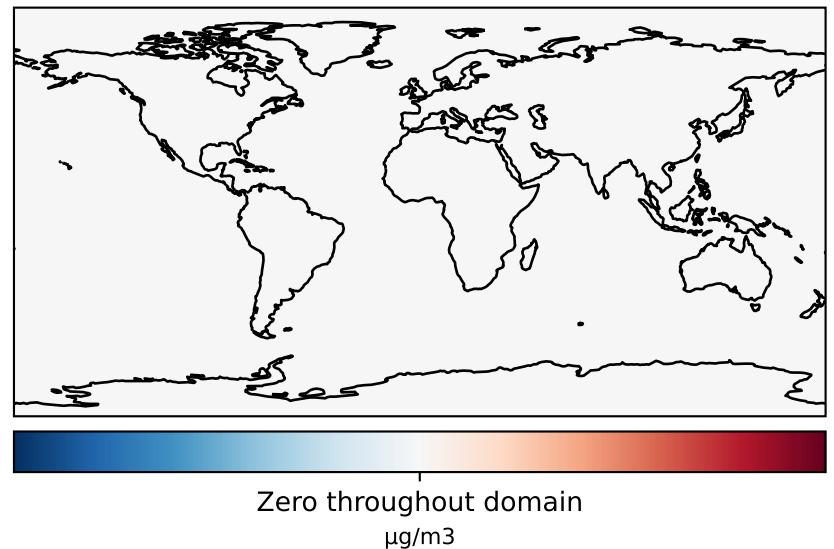
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



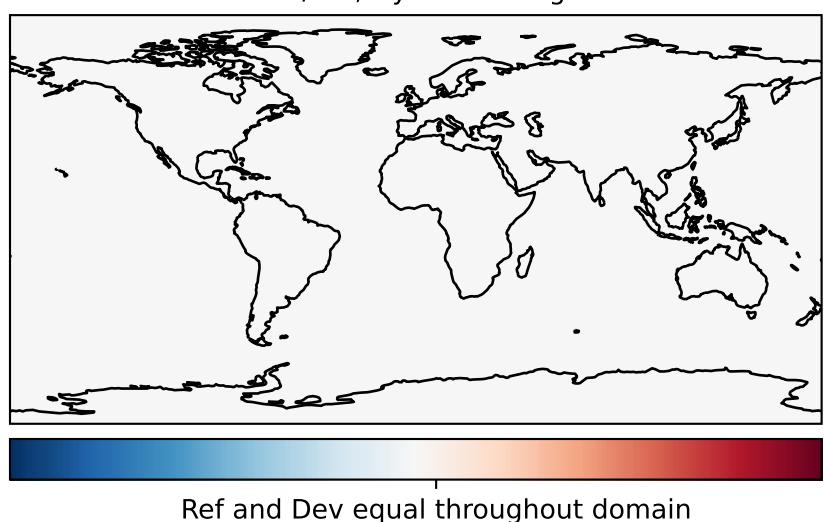
Difference
Dev - Ref, Dynamic Range



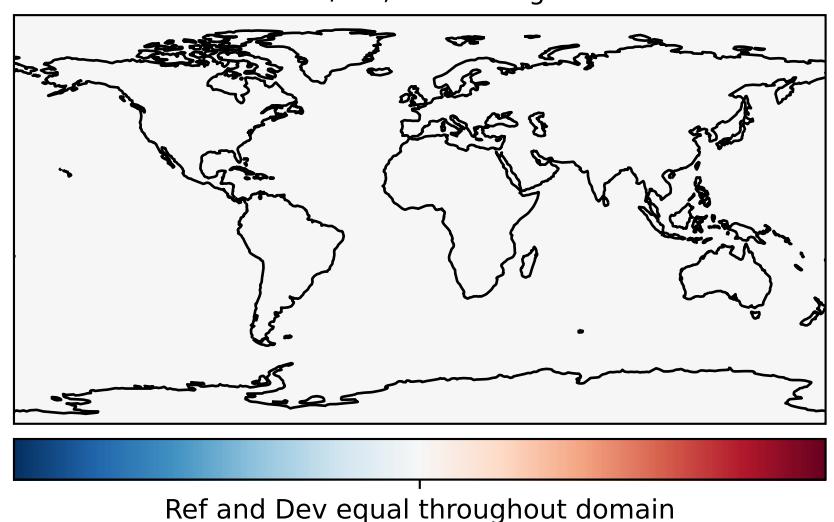
Difference
Dev - Ref, Restricted Range [5%, 95%]



Ratio
Dev/Ref, Dynamic Range

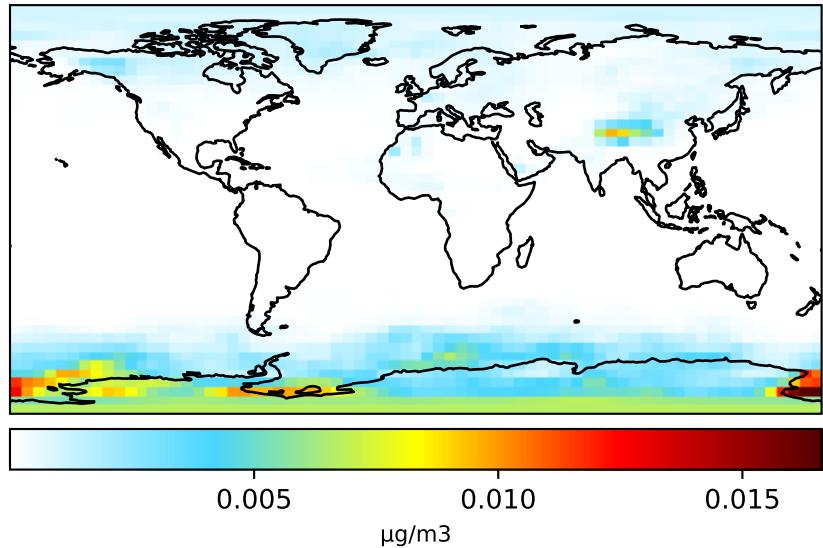


Ratio
Dev/Ref, Fixed Range

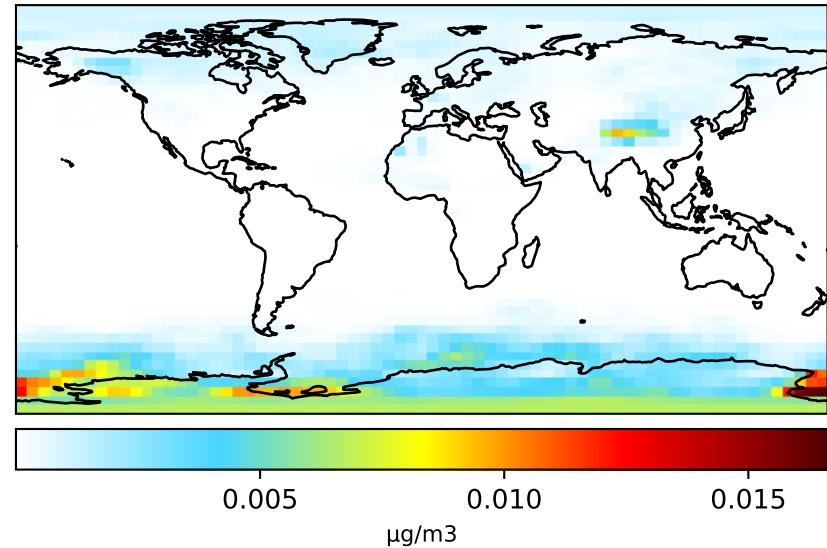


SpeciesConcVV_SALACL

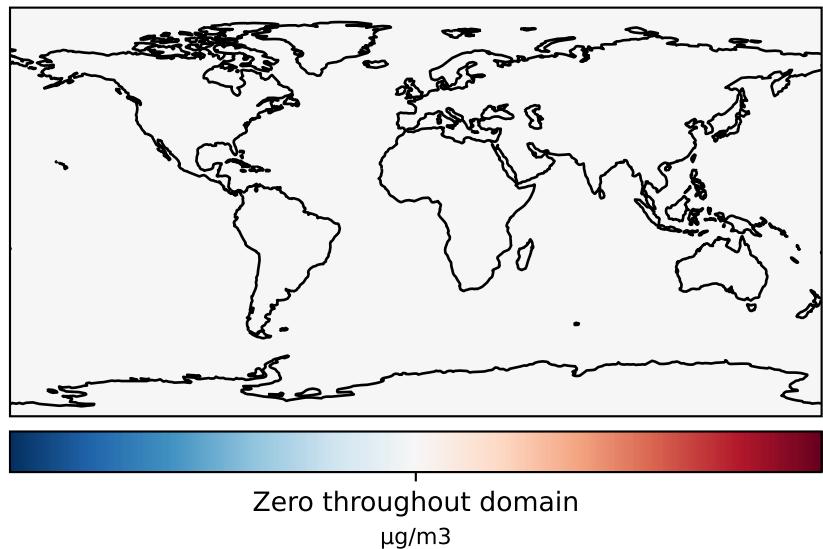
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



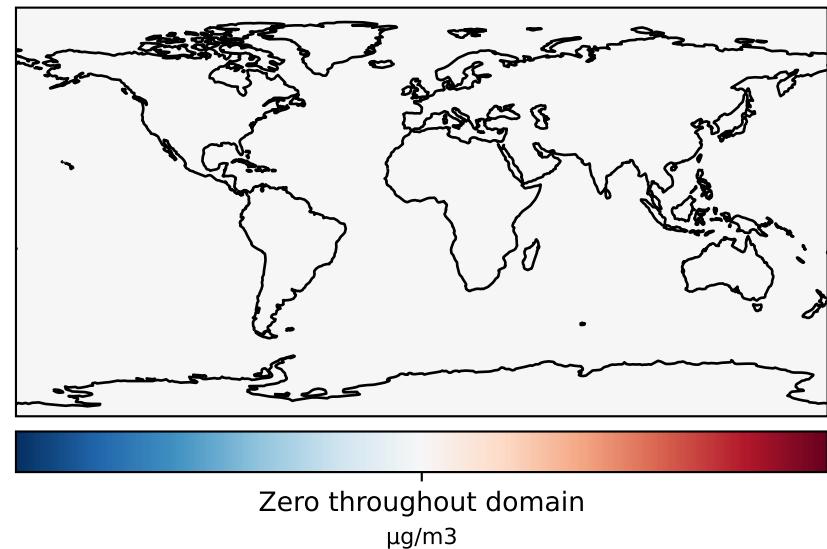
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



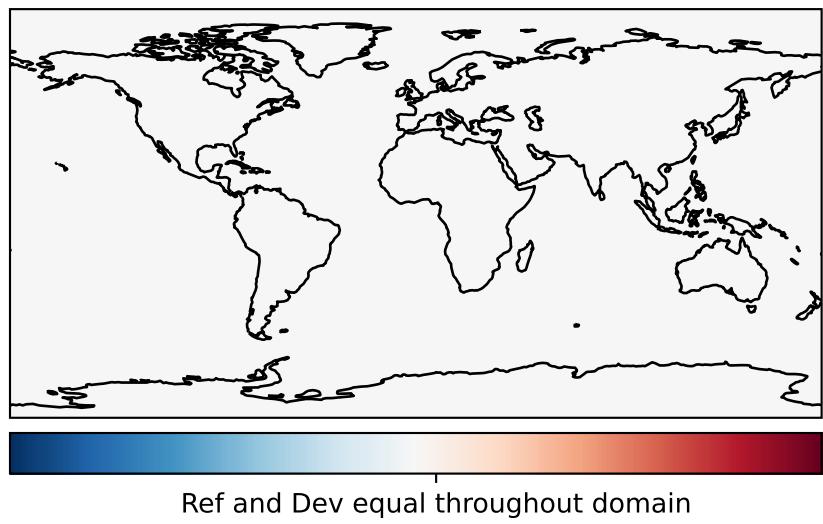
Difference
Dev - Ref, Dynamic Range



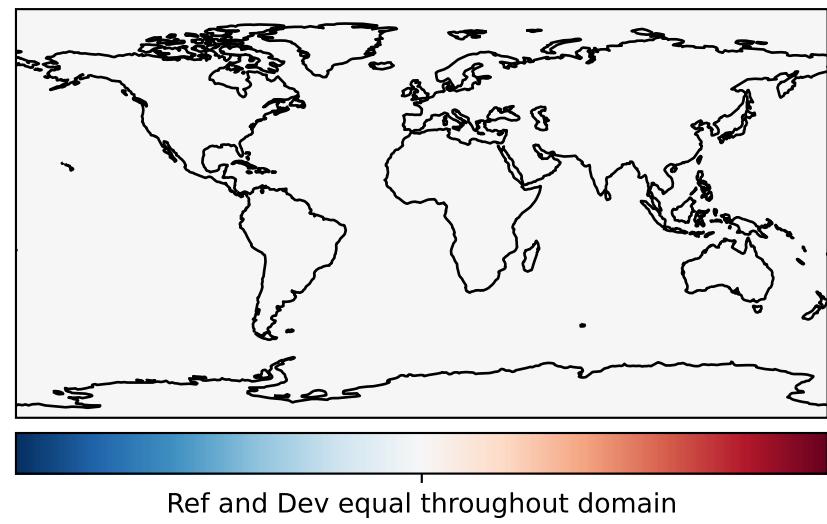
Difference
Dev - Ref, Restricted Range [5%, 95%]



Ratio
Dev/Ref, Dynamic Range

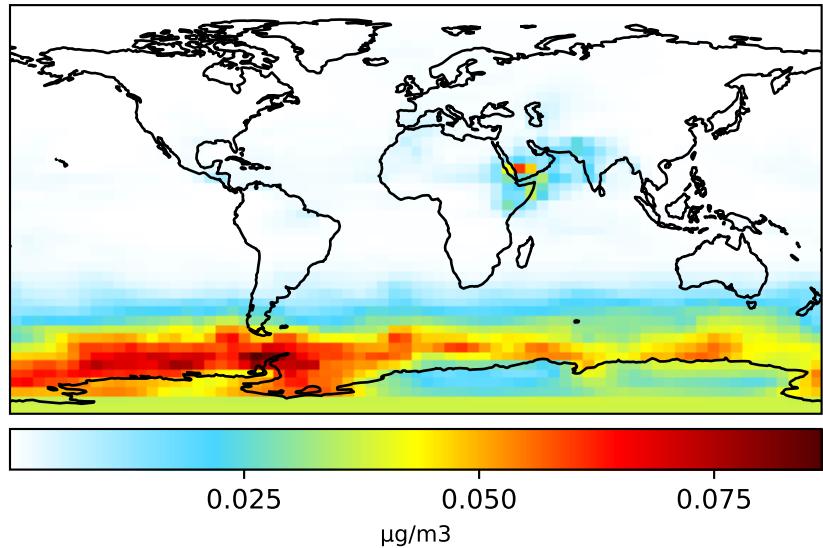


Ratio
Dev/Ref, Fixed Range

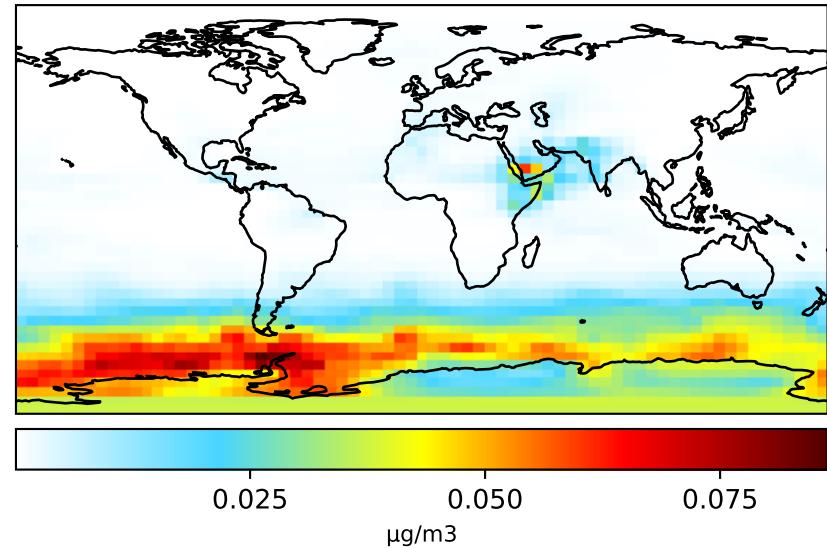


SpeciesConcVV_SALC

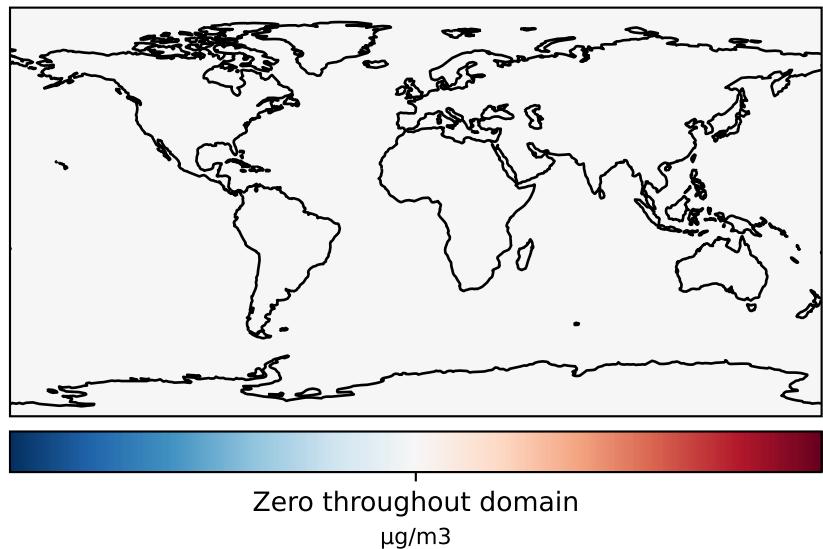
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



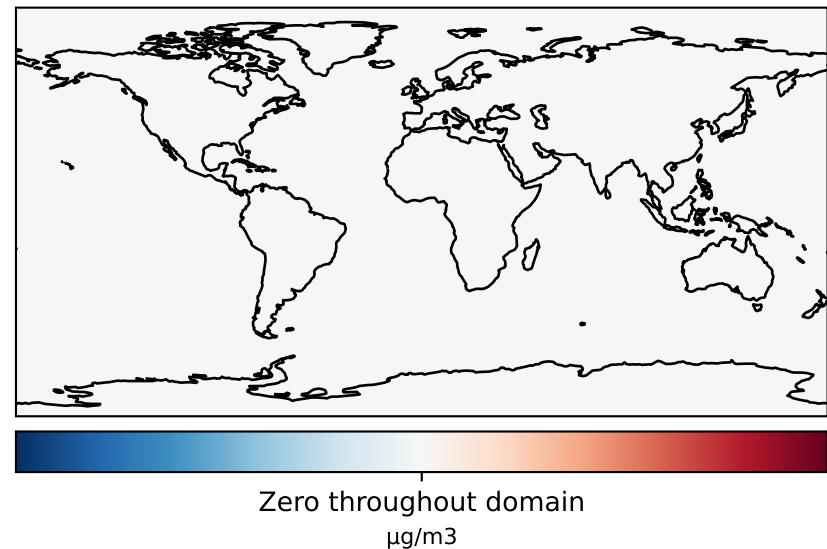
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



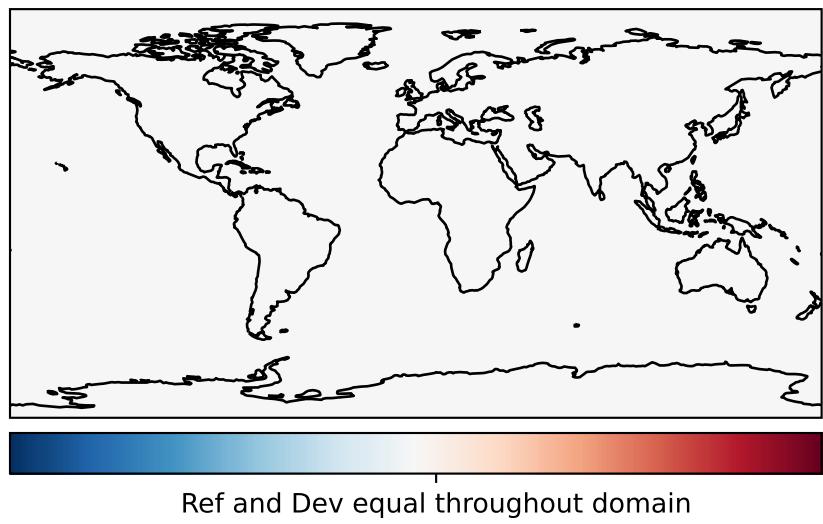
Difference
Dev - Ref, Dynamic Range



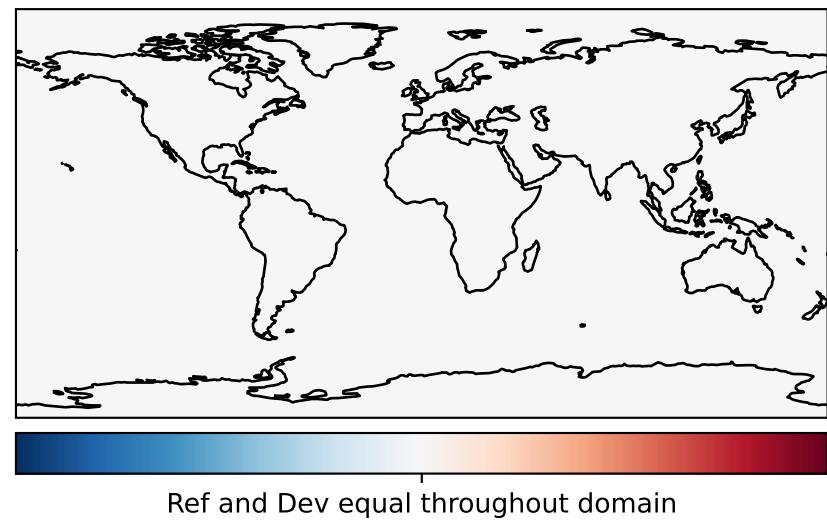
Difference
Dev - Ref, Restricted Range [5%, 95%]



Ratio
Dev/Ref, Dynamic Range

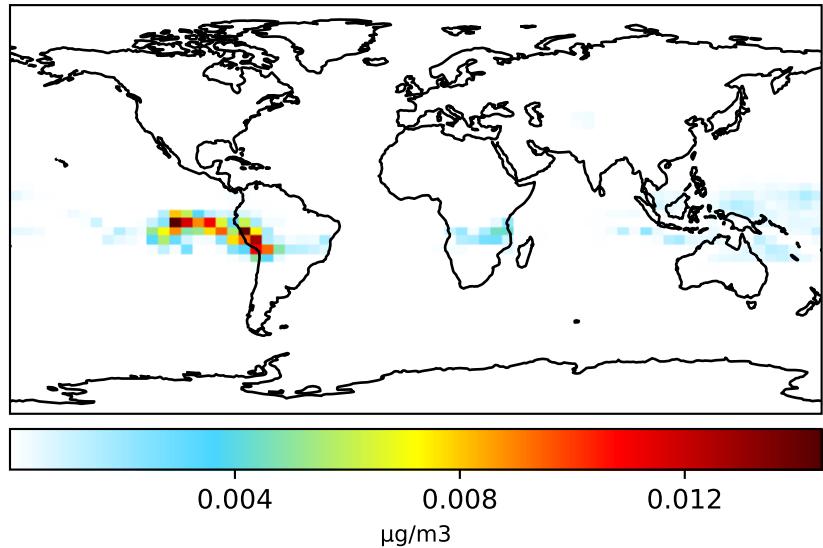


Ratio
Dev/Ref, Fixed Range

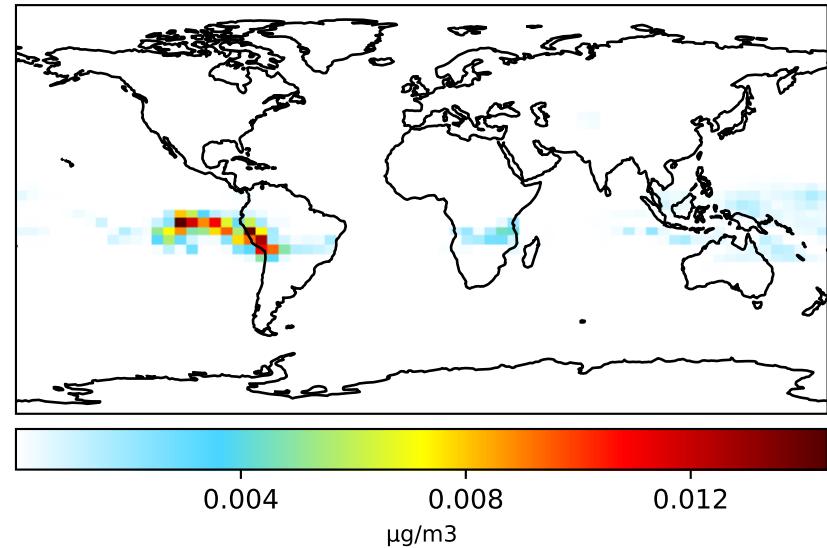


SpeciesConcVV_SALCAL

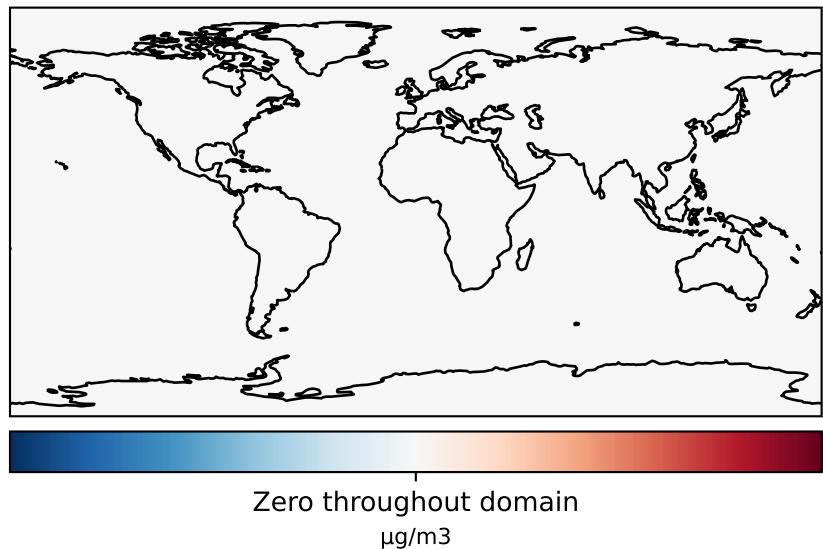
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



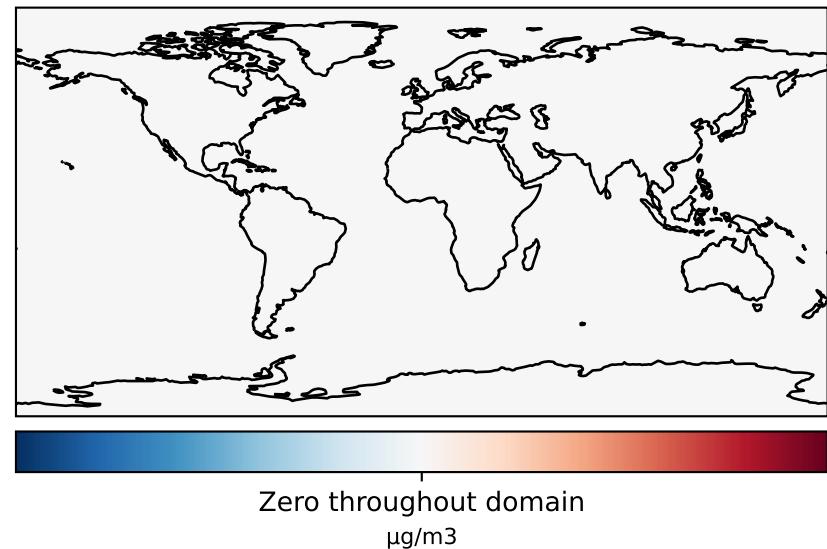
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



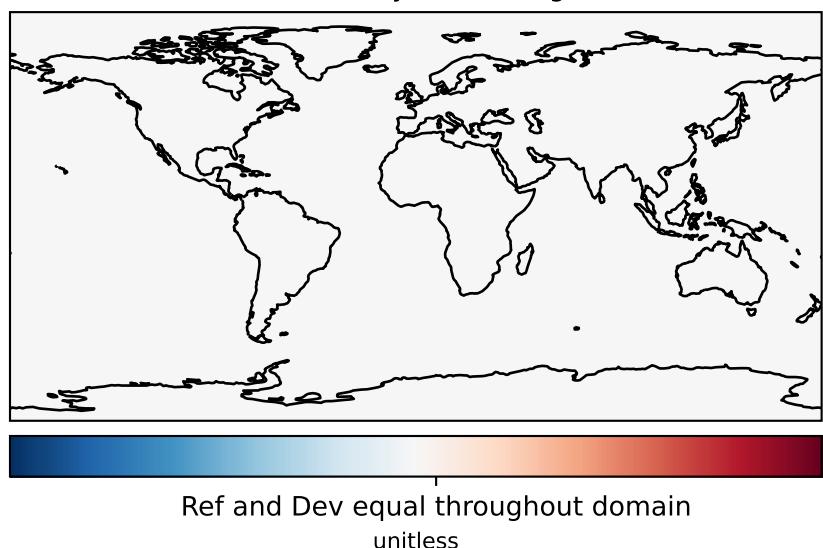
Difference
Dev - Ref, Dynamic Range



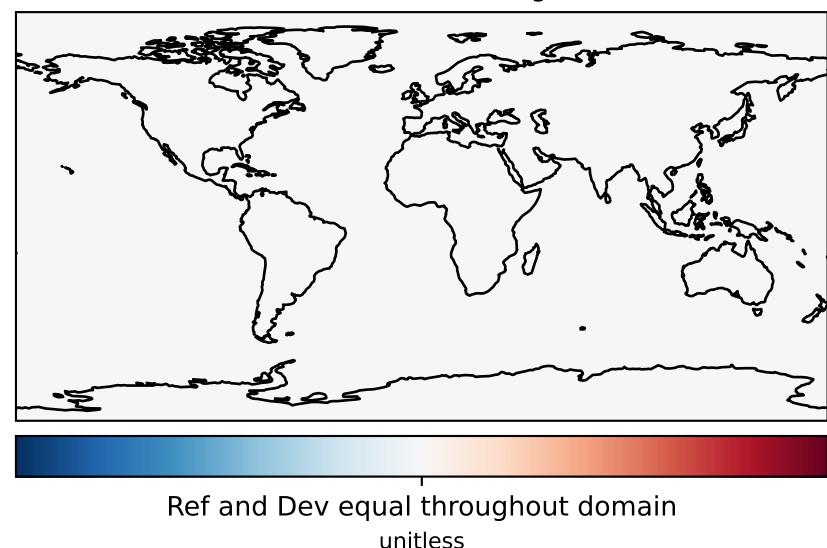
Difference
Dev - Ref, Restricted Range [5%,95%]



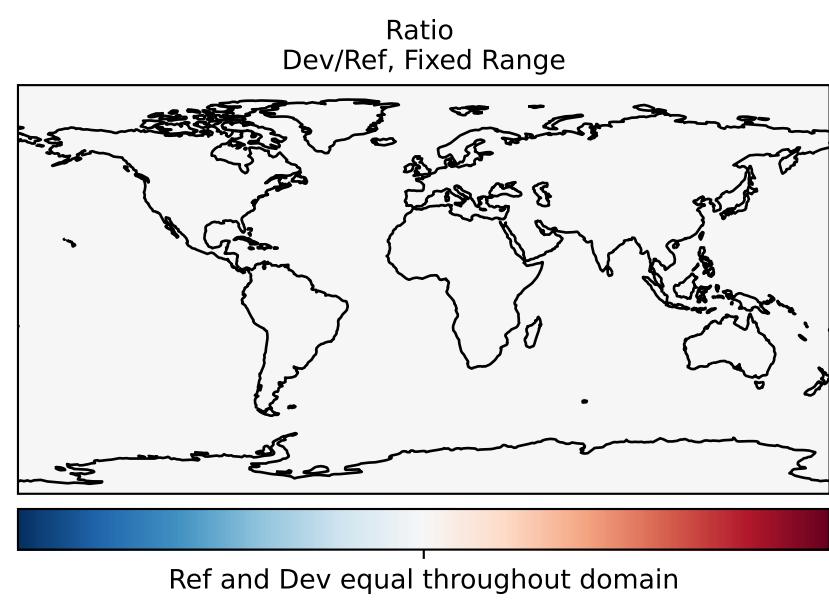
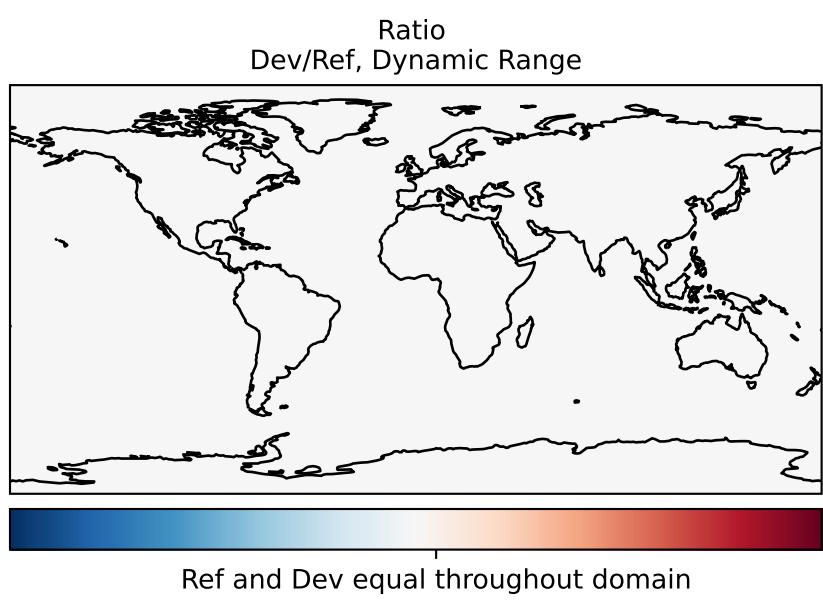
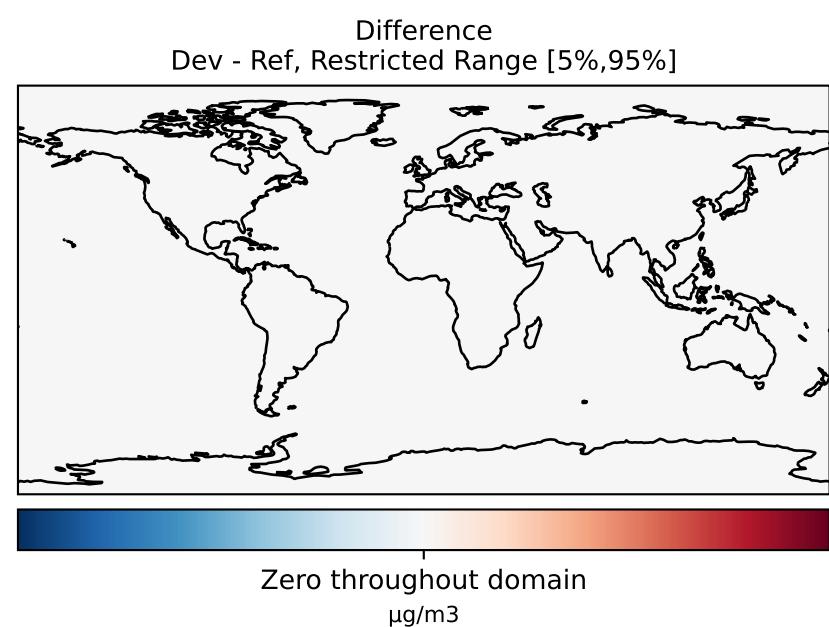
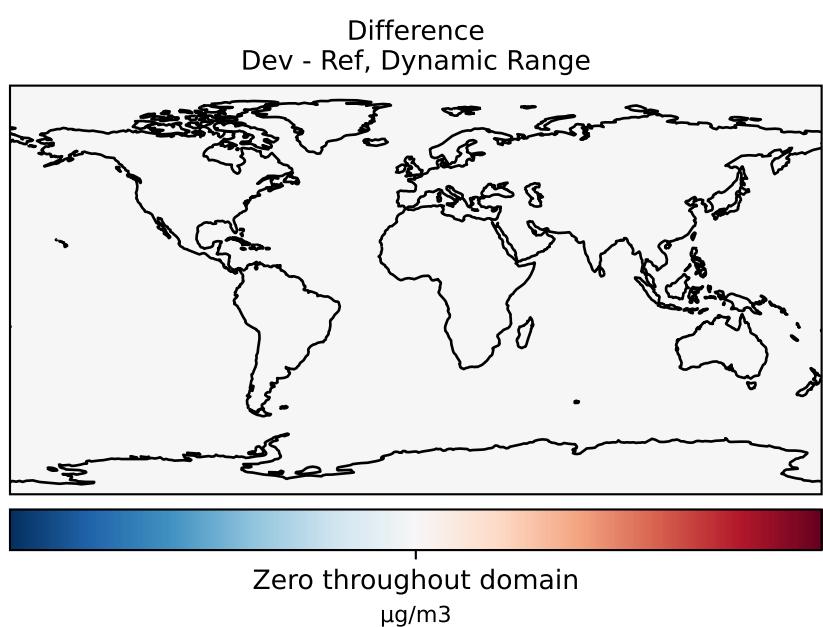
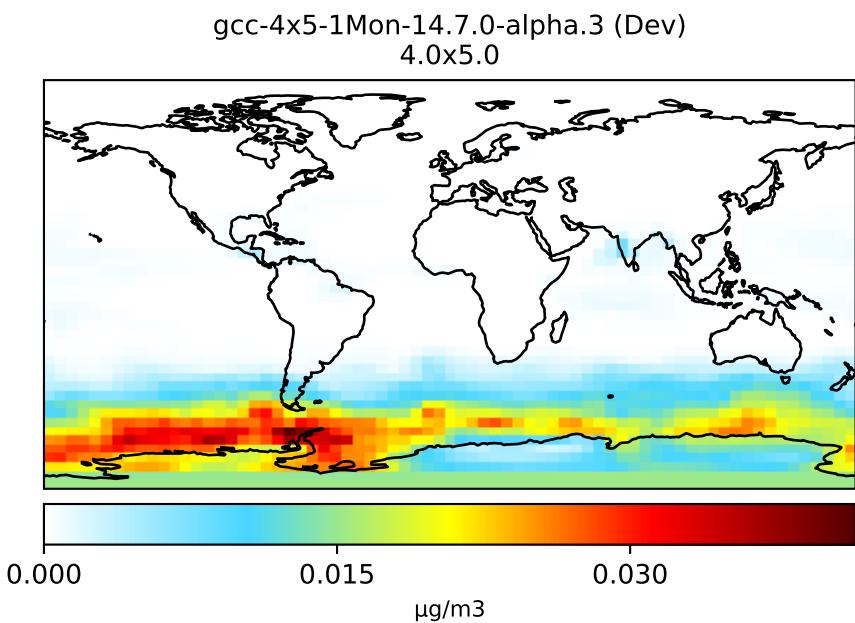
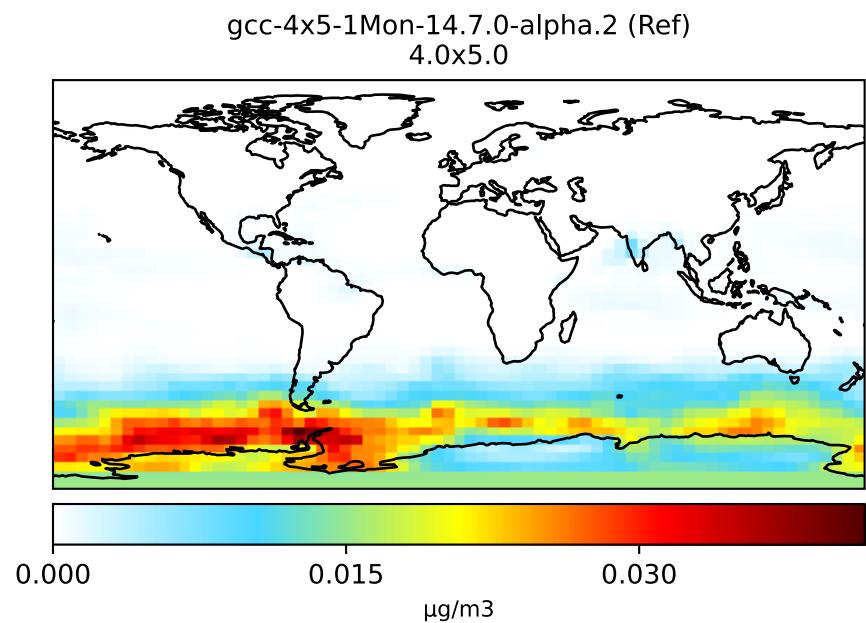
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

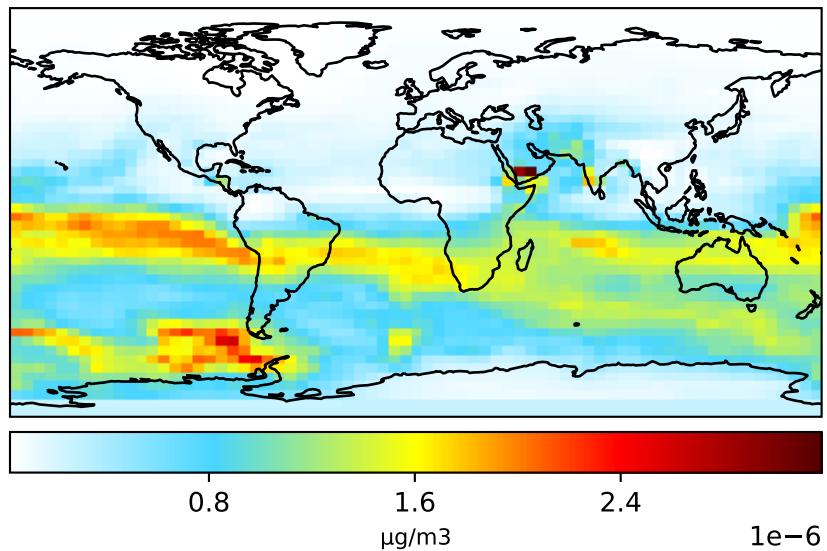


SpeciesConcVV_SALCCL

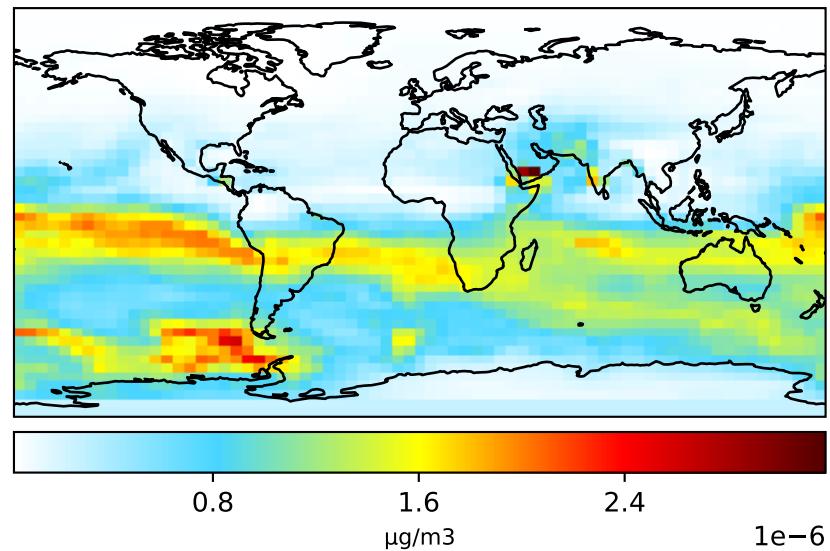


SpeciesConcVV_SO4s

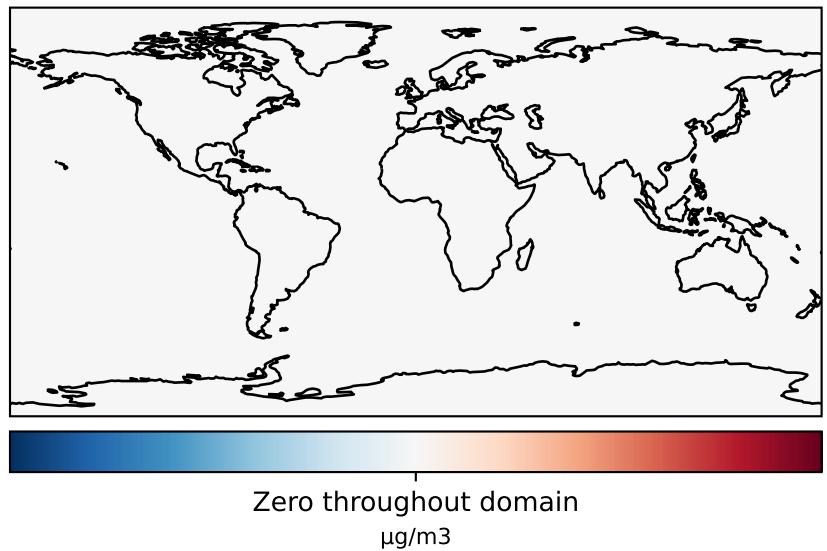
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



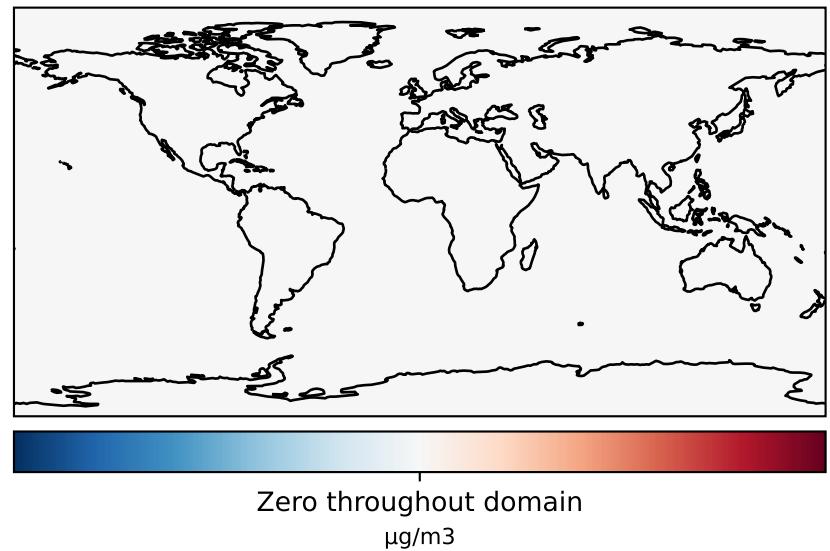
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



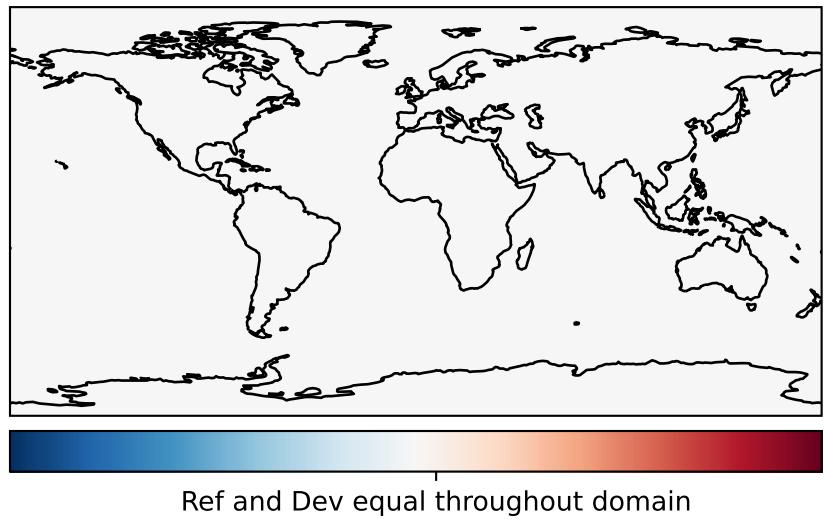
Difference
Dev - Ref, Dynamic Range



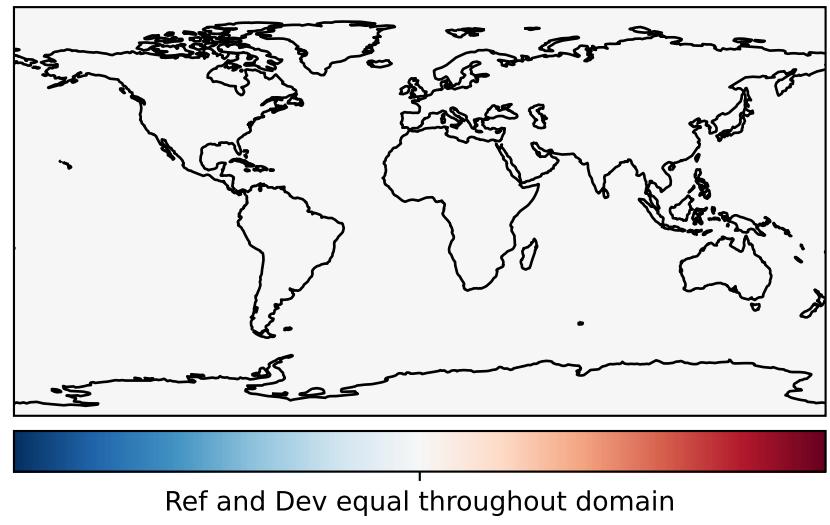
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

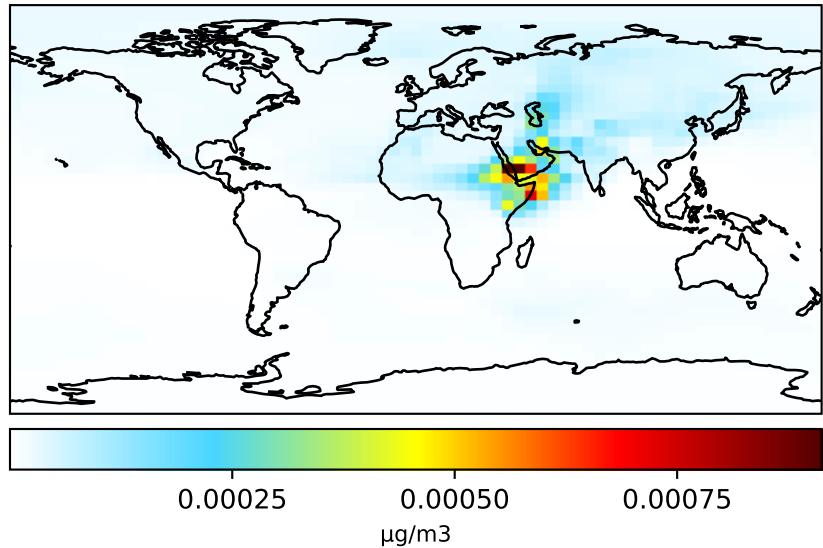


Ratio
Dev/Ref, Fixed Range

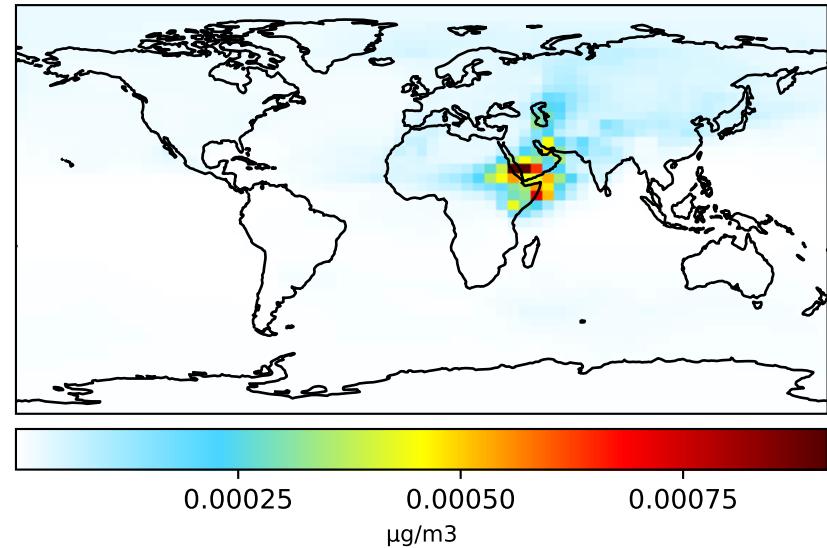


SpeciesConcVV_pFe

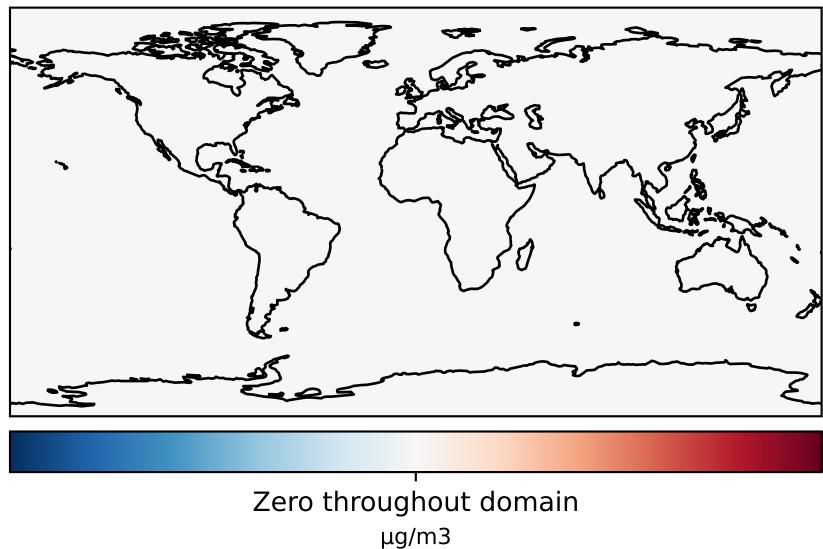
gcc-4x5-1Mon-14.7.0-alpha.2 (Ref)
4.0x5.0



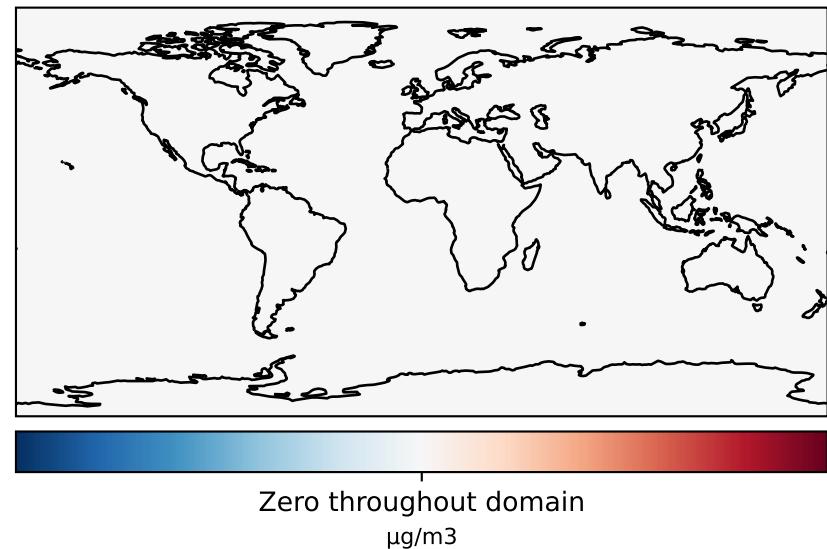
gcc-4x5-1Mon-14.7.0-alpha.3 (Dev)
4.0x5.0



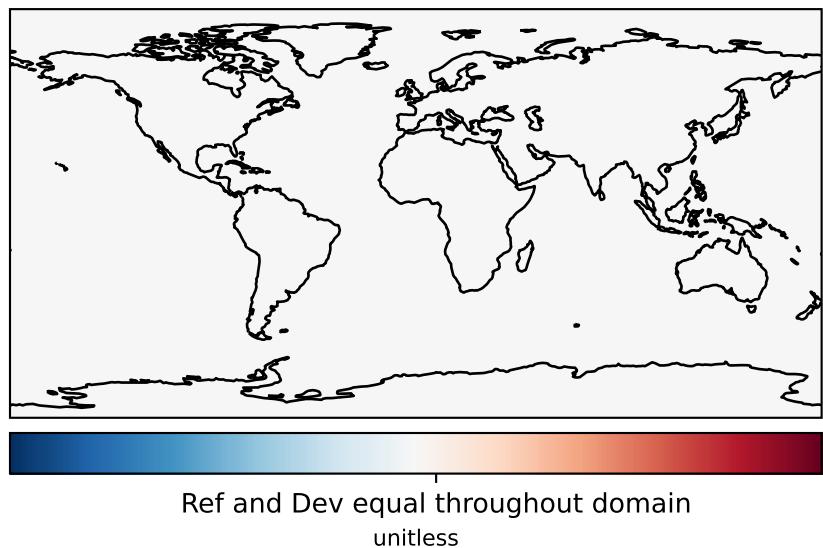
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

