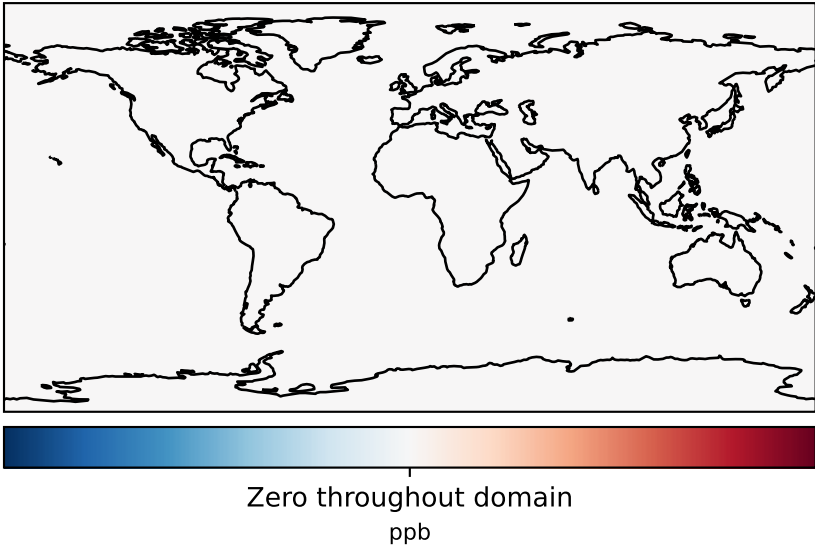
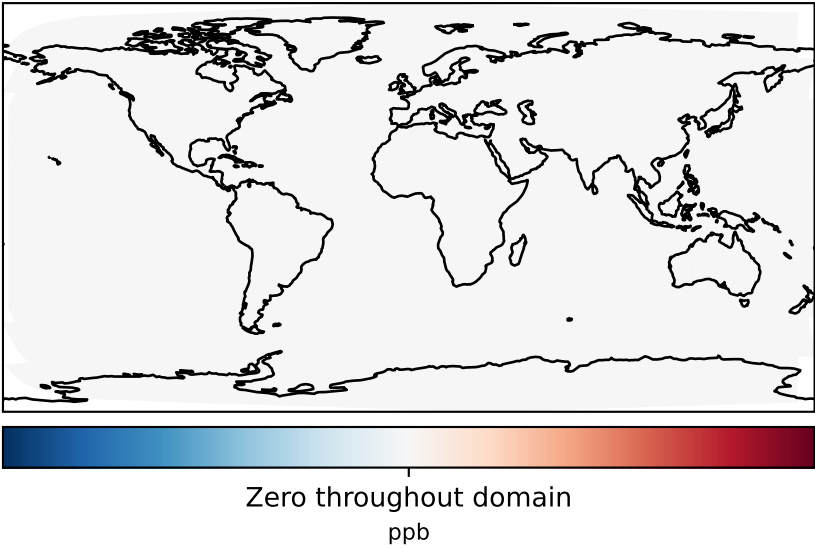


SpeciesConcVV_NOy

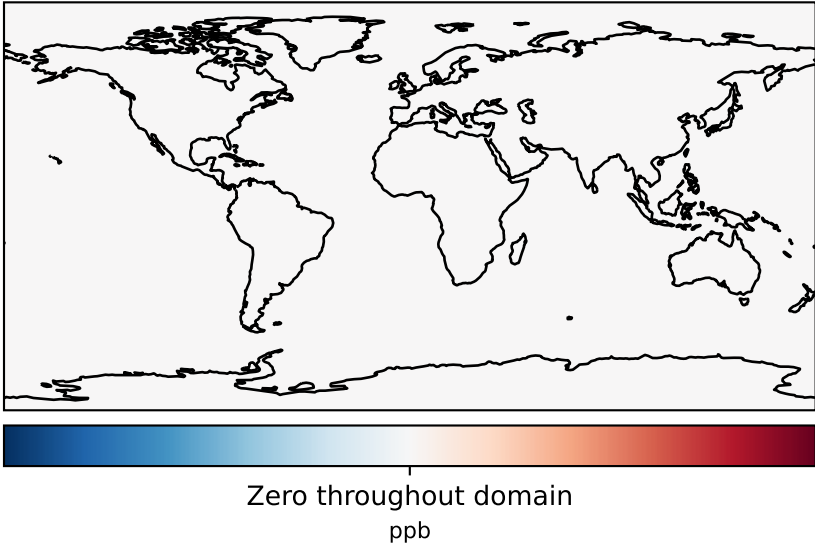
gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



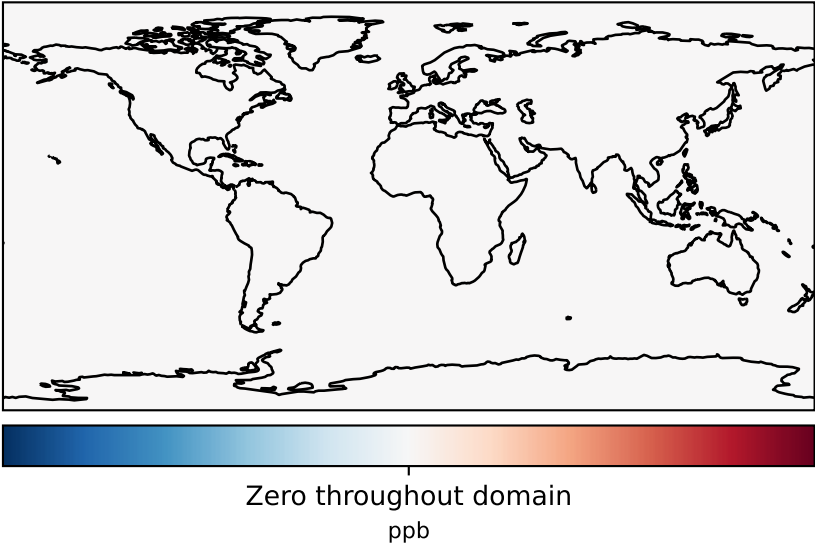
gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



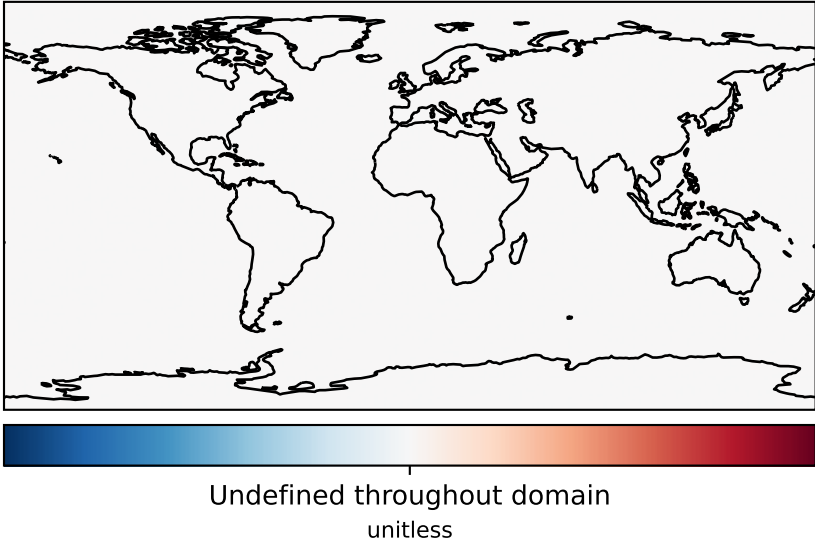
Difference (1x1.25)
Dev - Ref, Dynamic Range



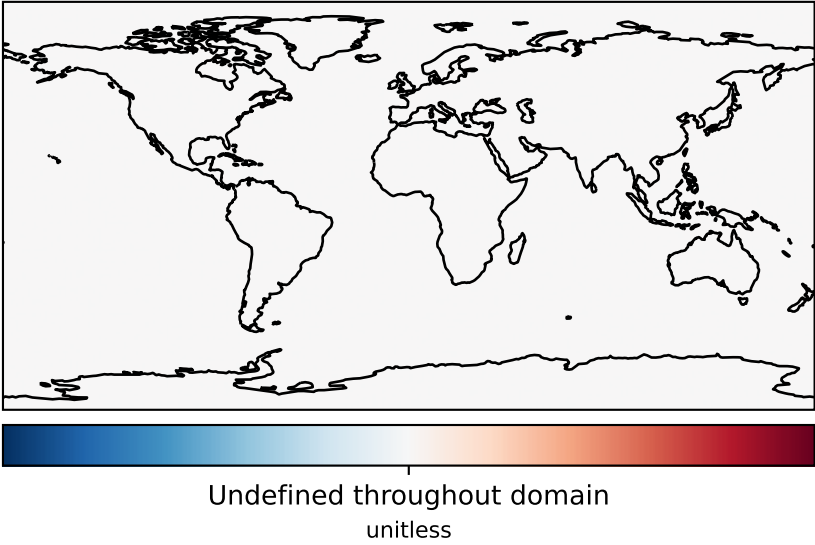
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

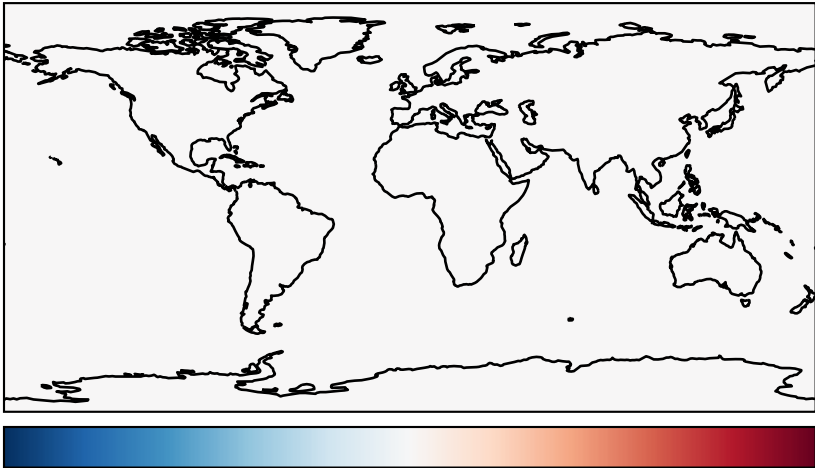


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$



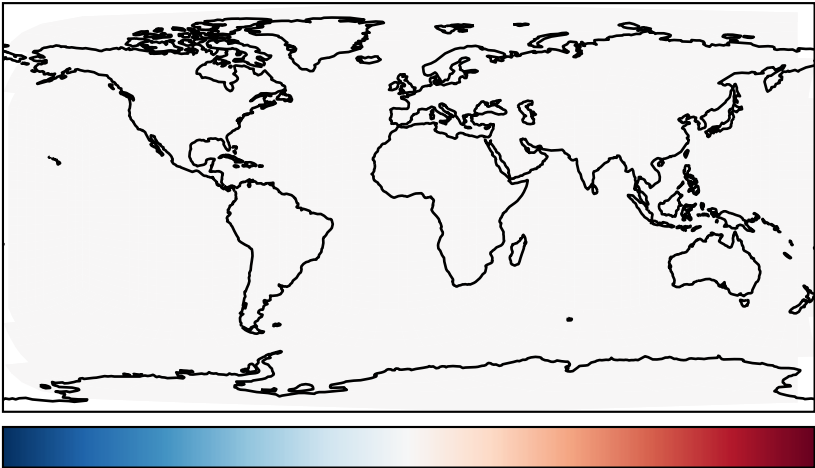
SpeciesConcVV_NOx

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



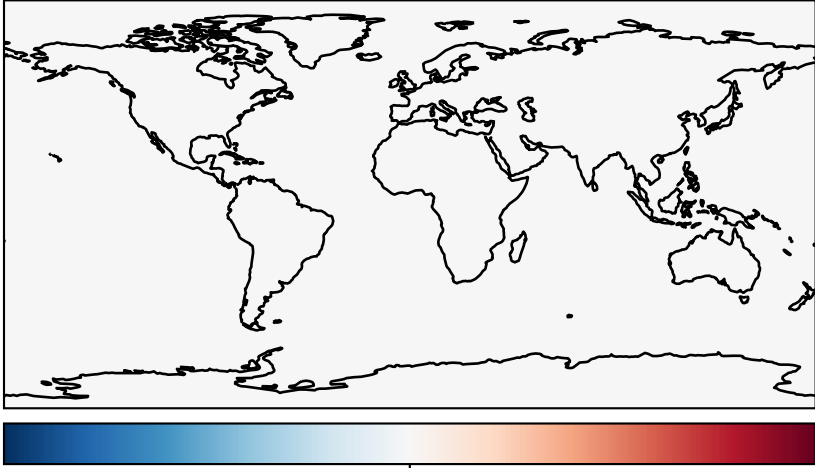
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



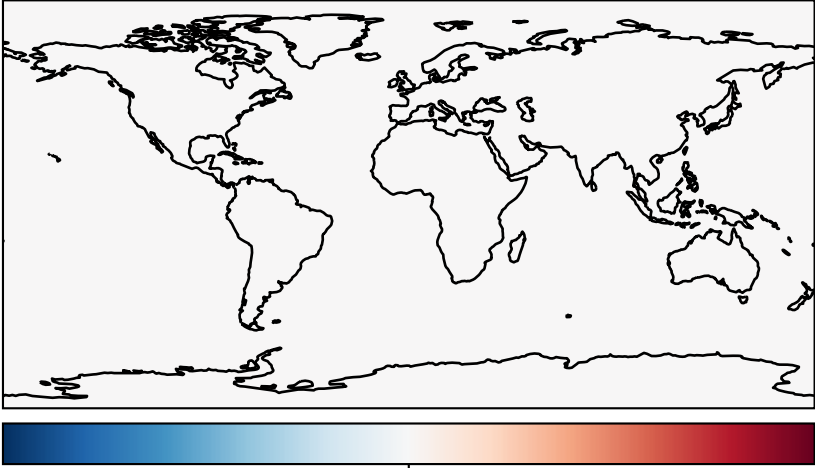
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



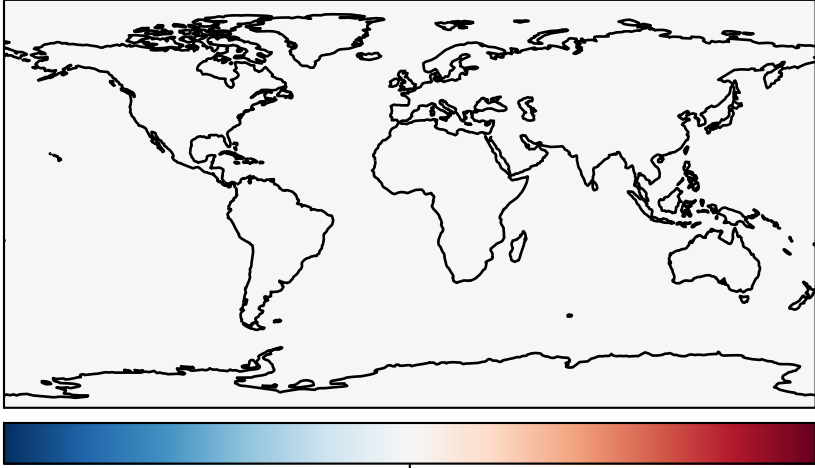
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



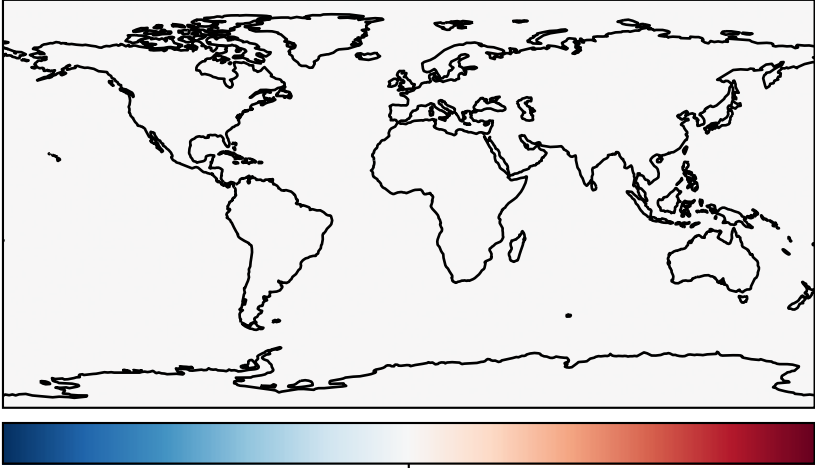
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



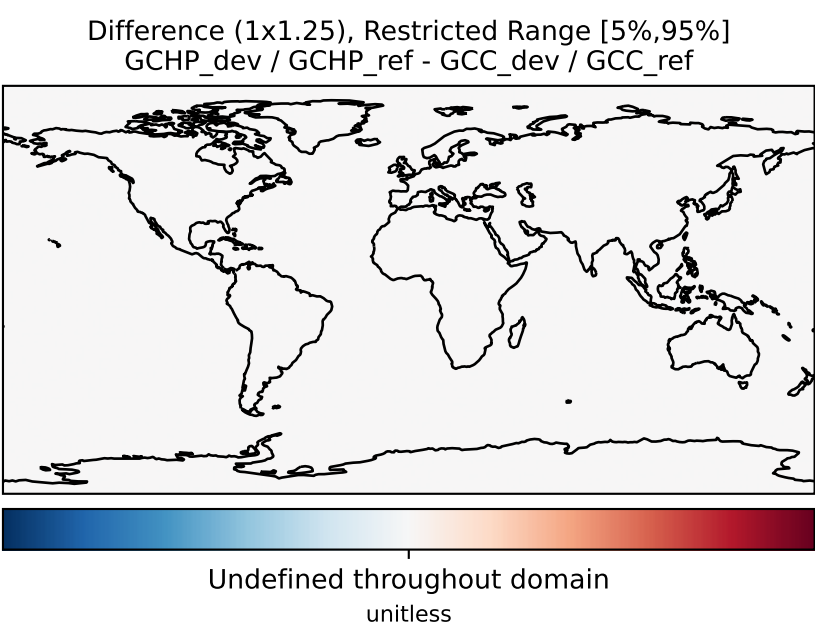
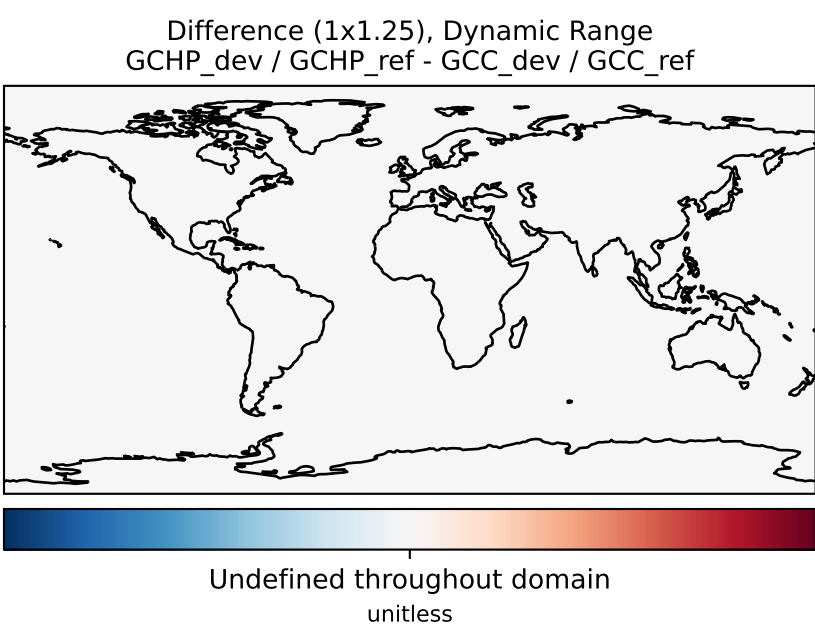
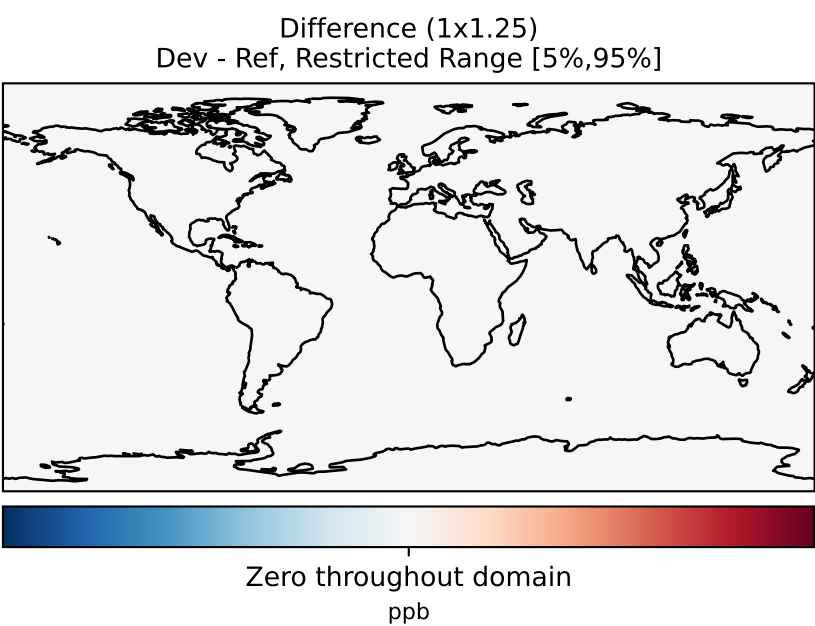
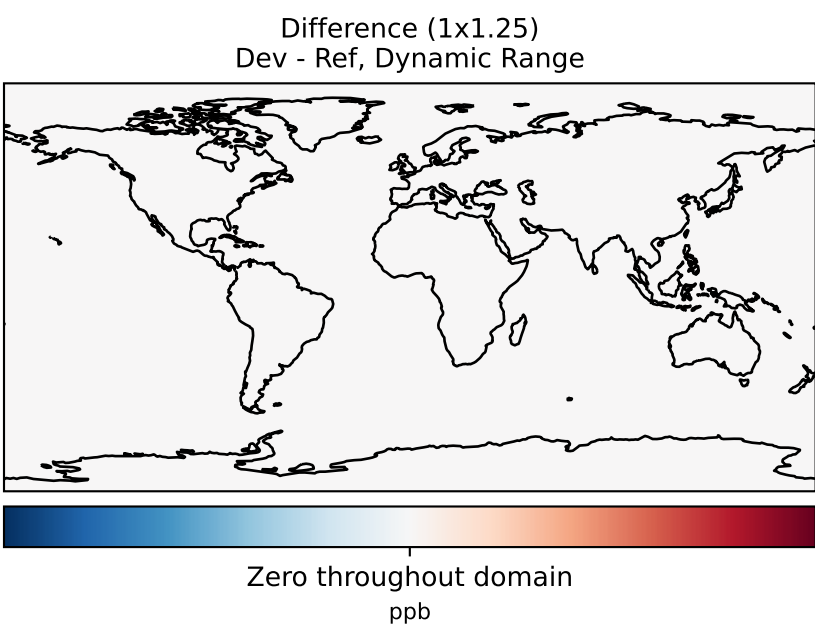
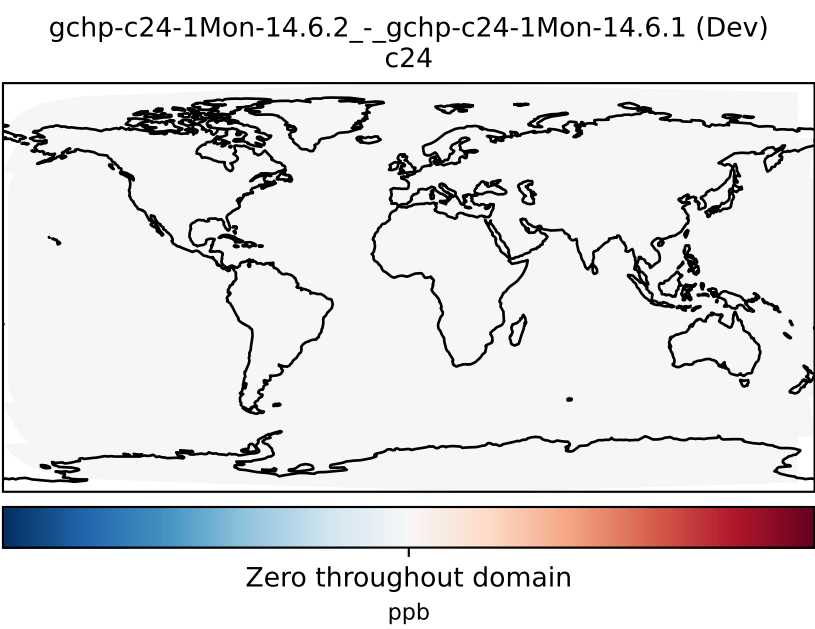
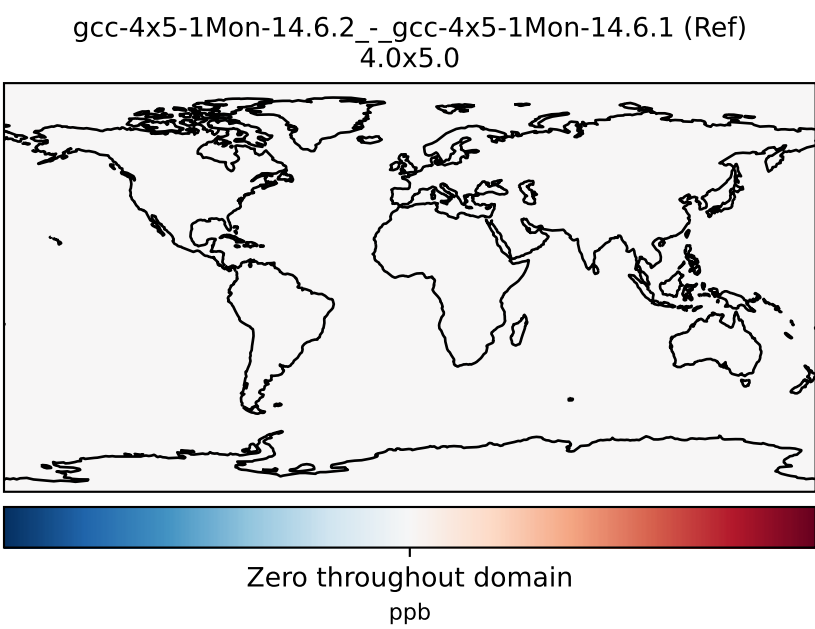
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unitless

Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



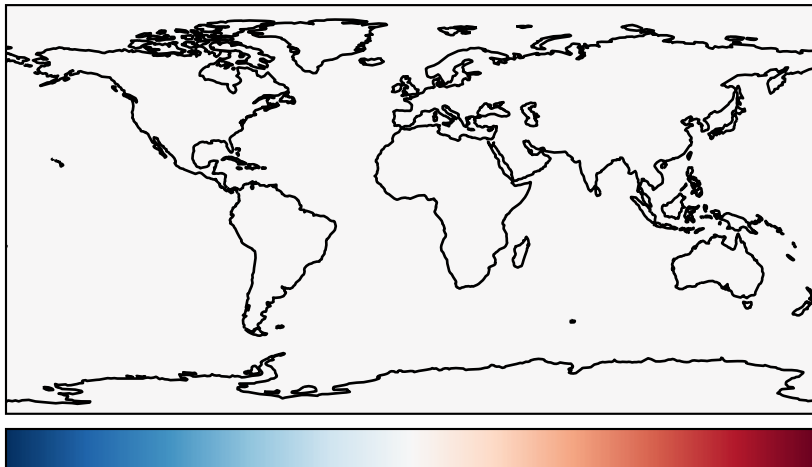
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SpeciesConcVV_HNO2



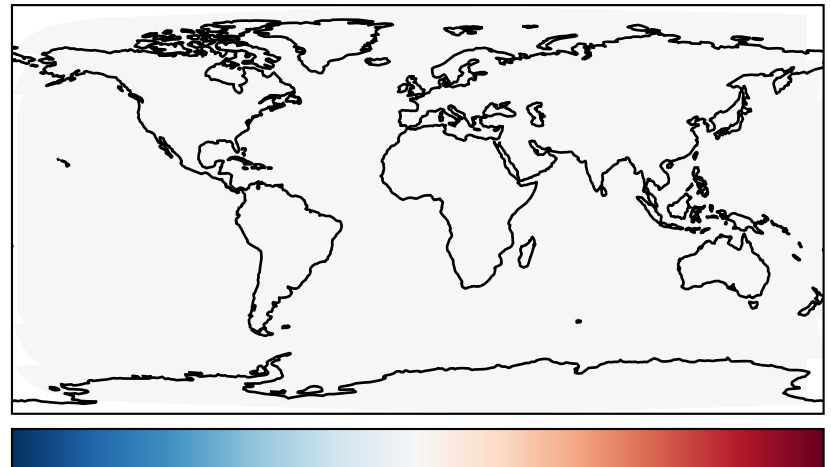
SpeciesConcVV_HNO3

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



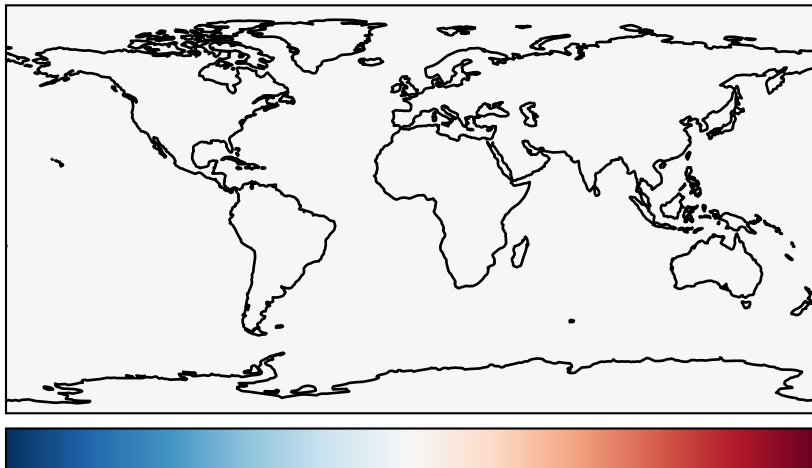
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



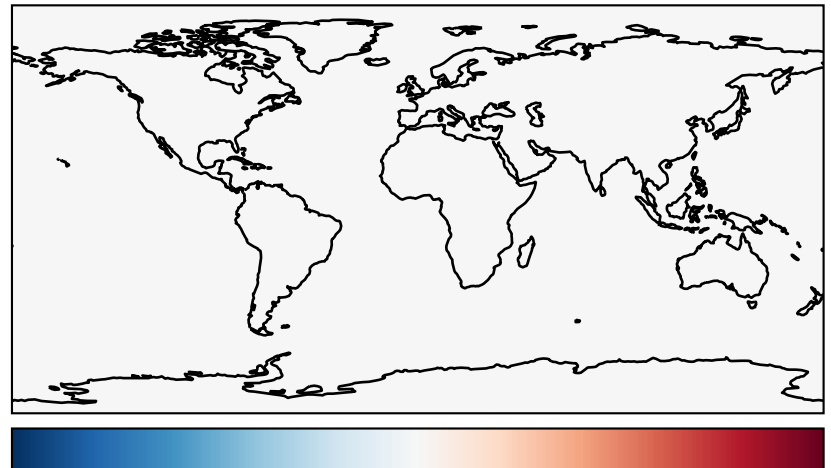
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



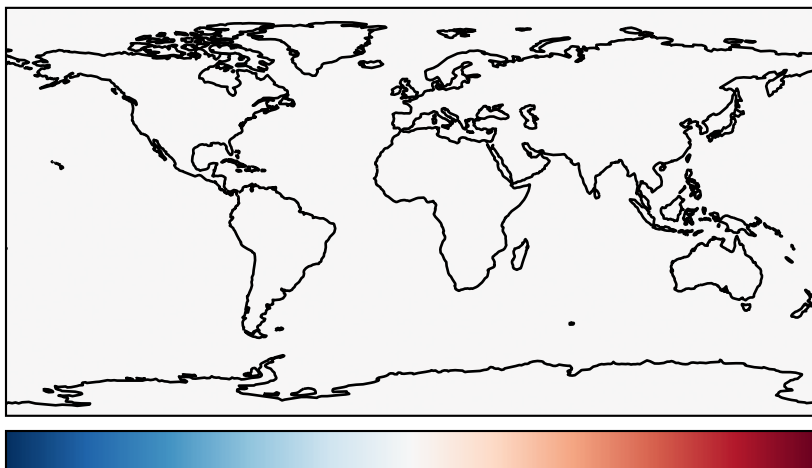
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



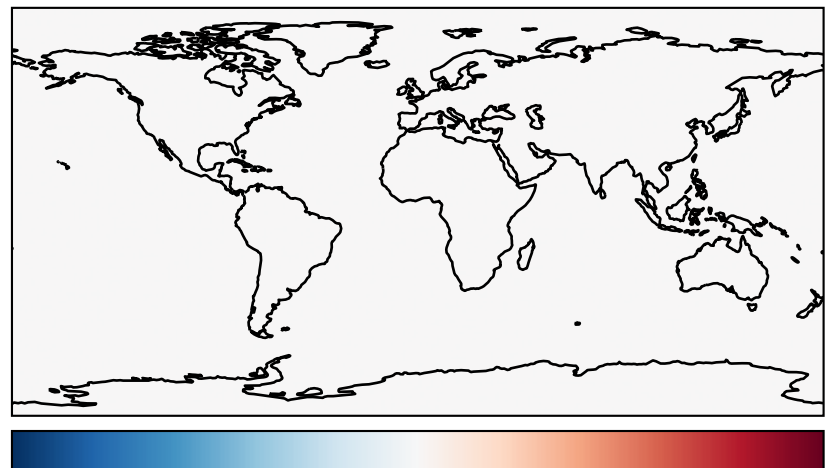
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



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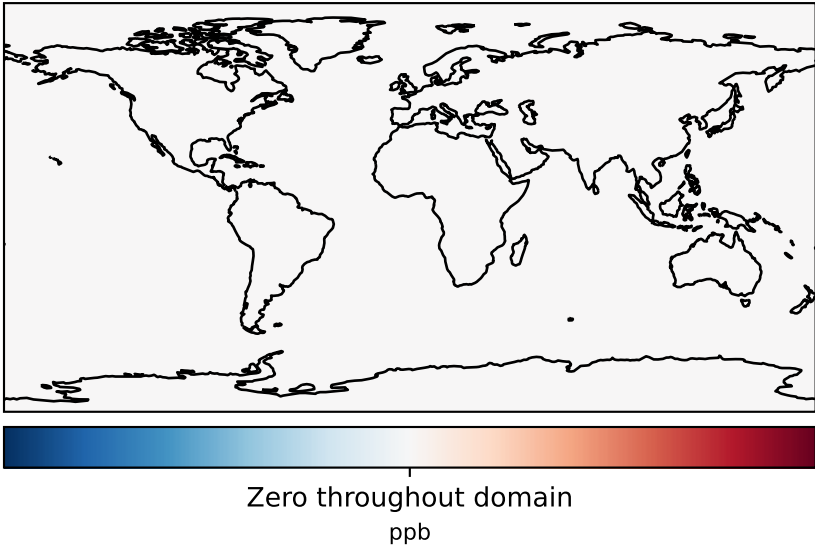
Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



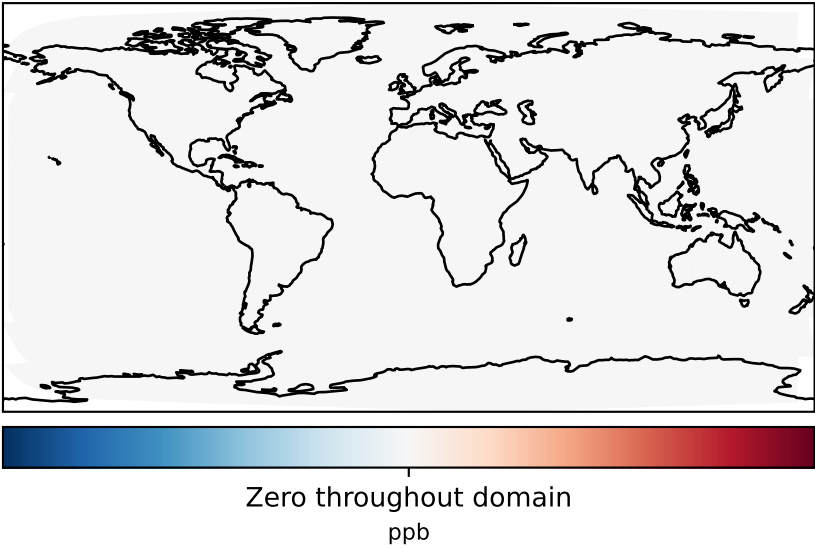
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SpeciesConcVV_HNO4

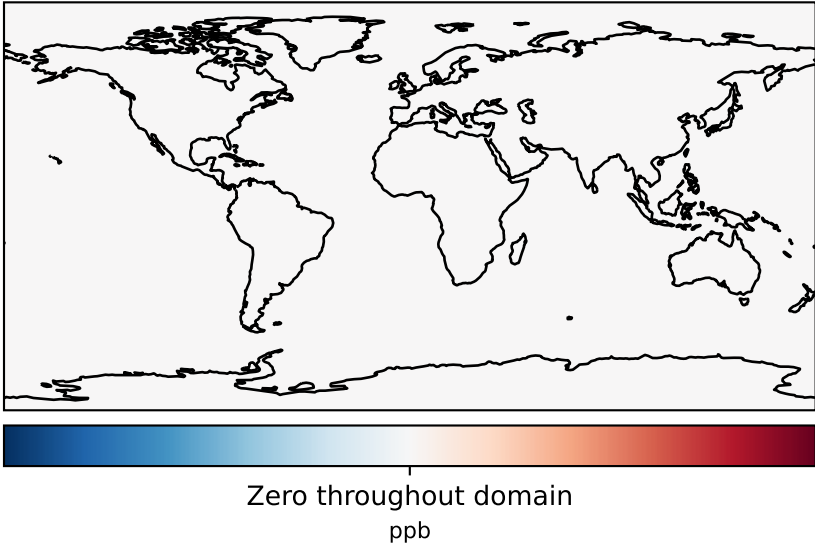
gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



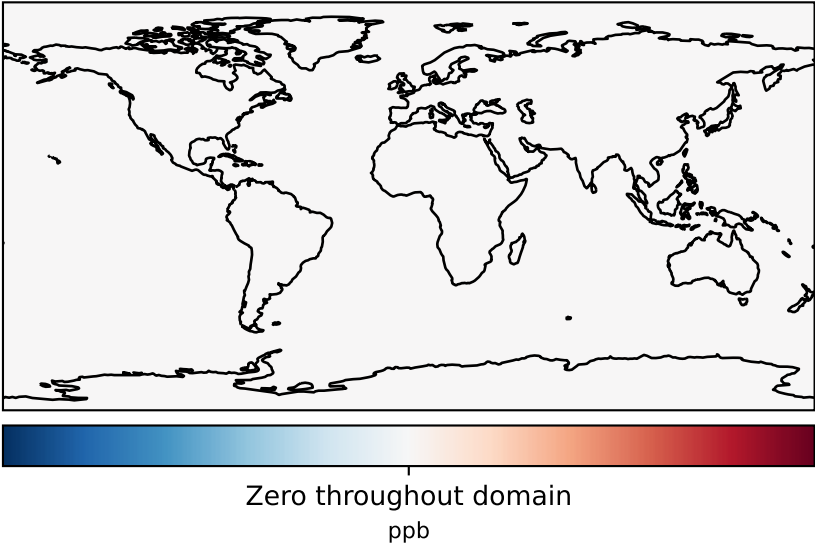
gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



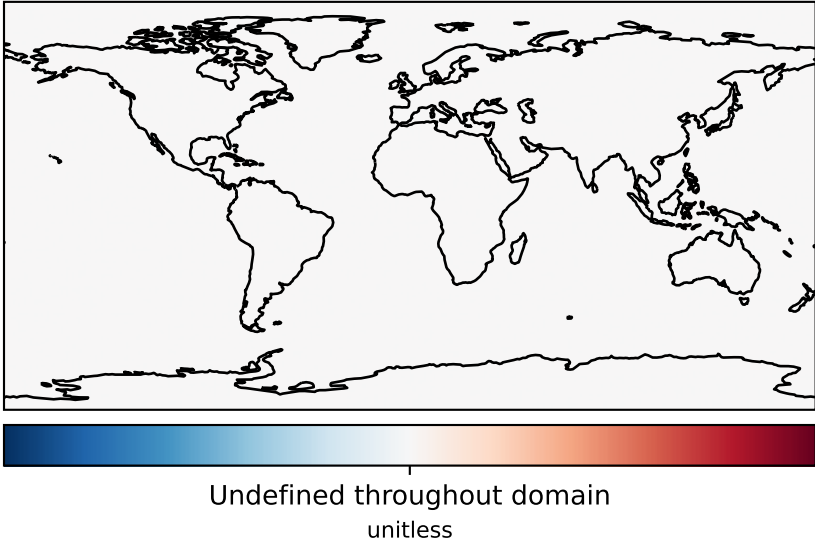
Difference (1x1.25)
Dev - Ref, Dynamic Range



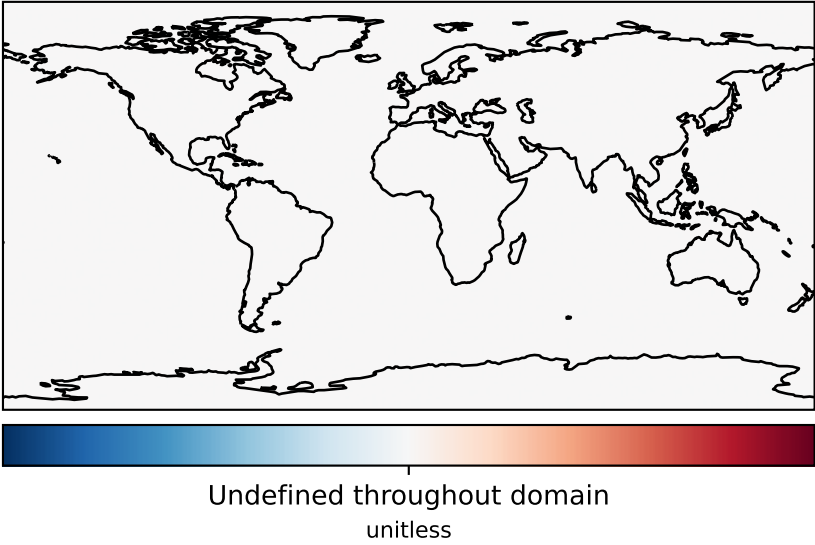
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$

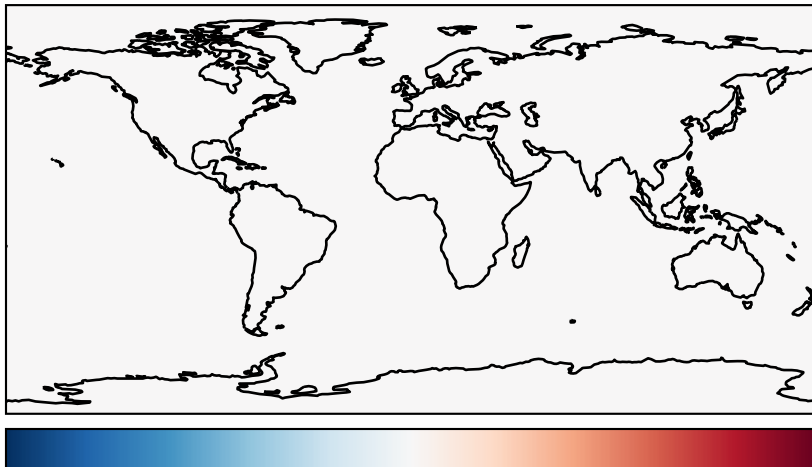


Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



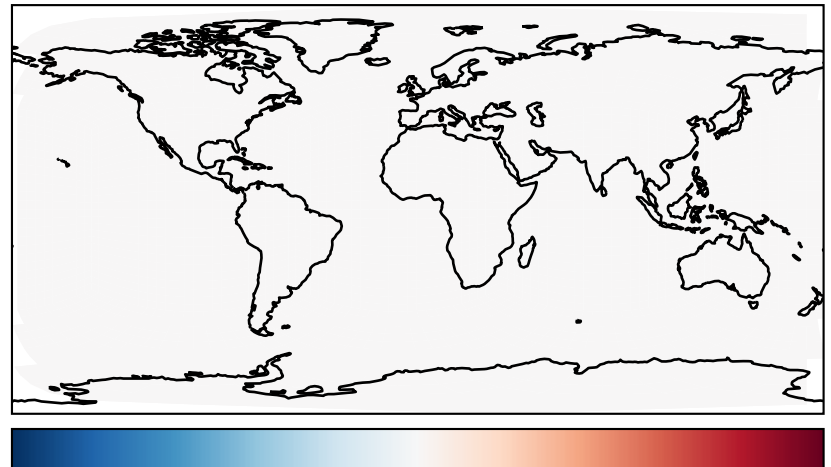
SpeciesConcVV_MPAN

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



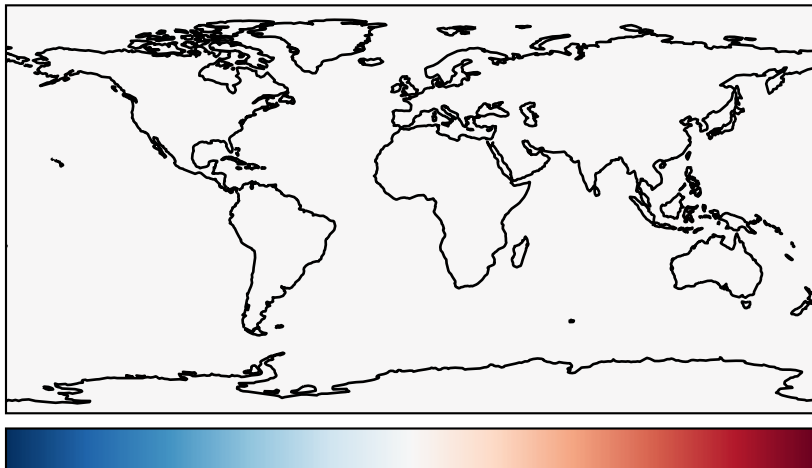
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



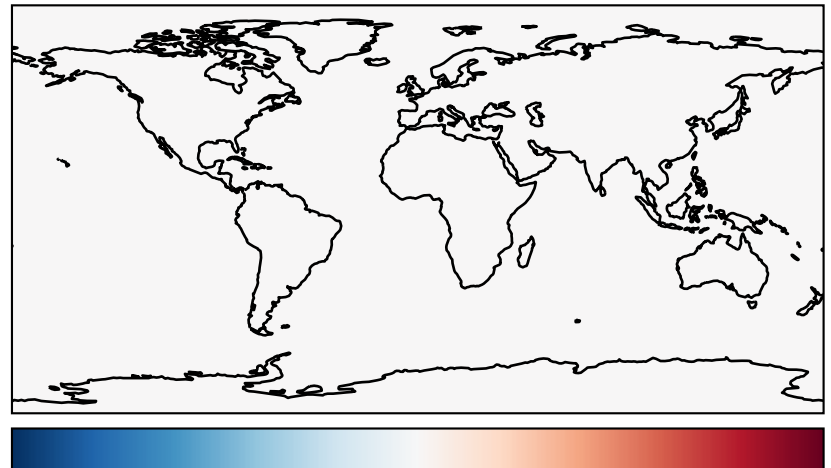
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Difference (1x1.25)
Dev - Ref, Dynamic Range



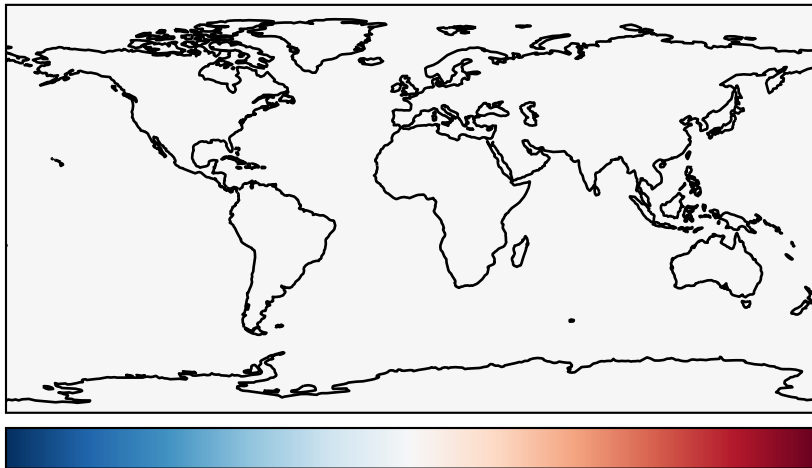
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



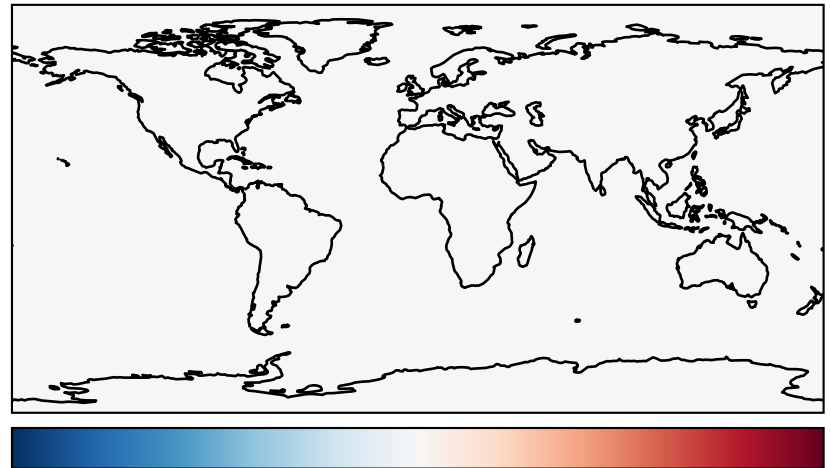
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $\text{GCHP}_{\text{dev}} / \text{GCHP}_{\text{ref}} - \text{GCC}_{\text{dev}} / \text{GCC}_{\text{ref}}$



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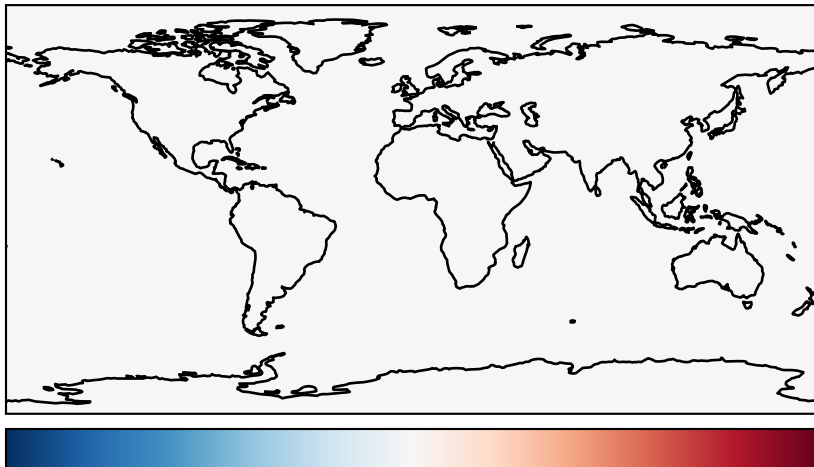
Difference (1x1.25), Restricted Range [5%,95%]
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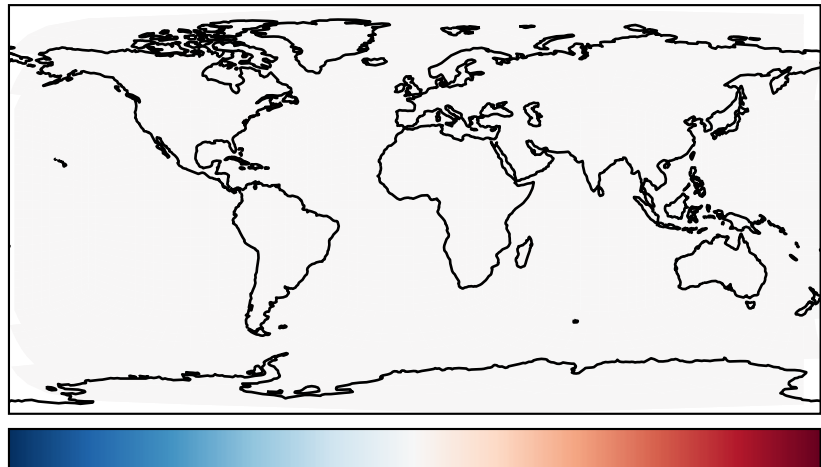
SpeciesConcVV_NIT

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



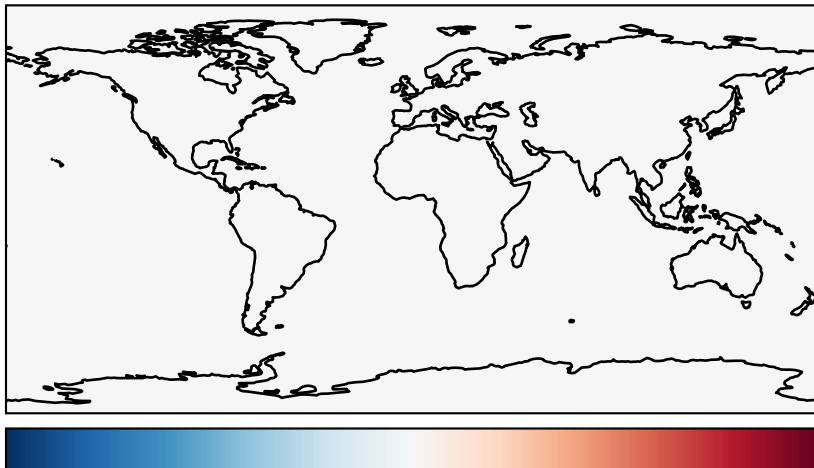
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



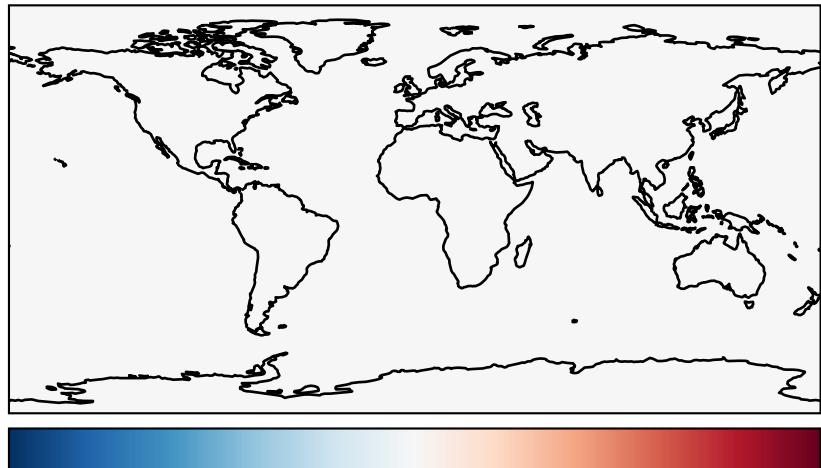
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



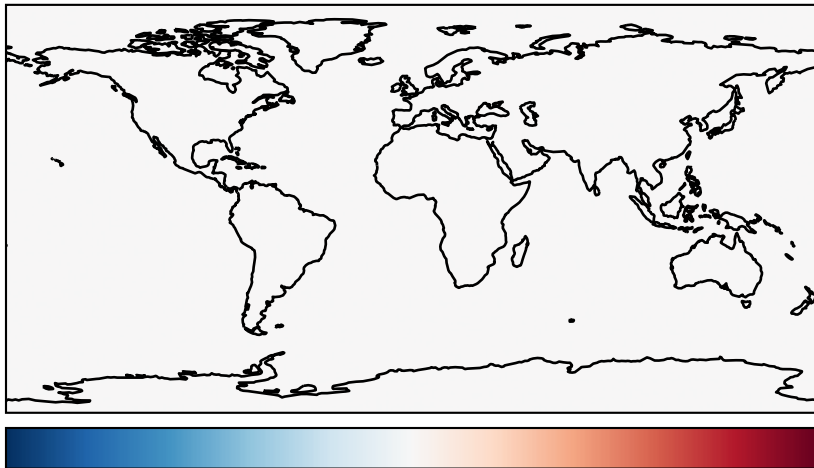
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



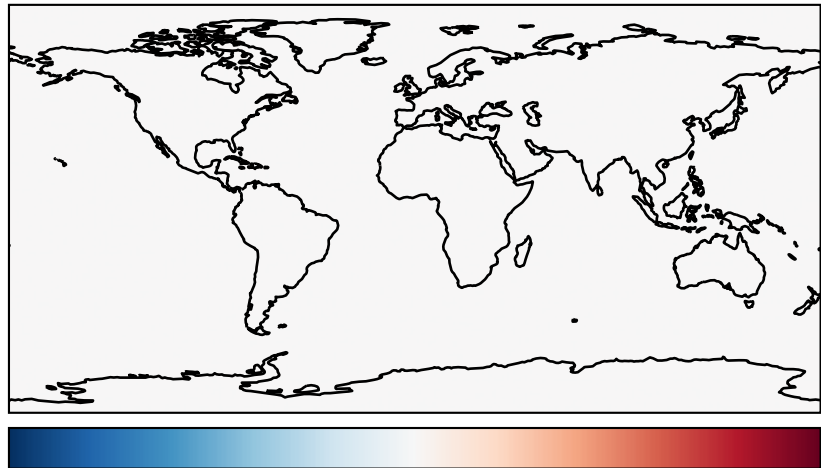
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



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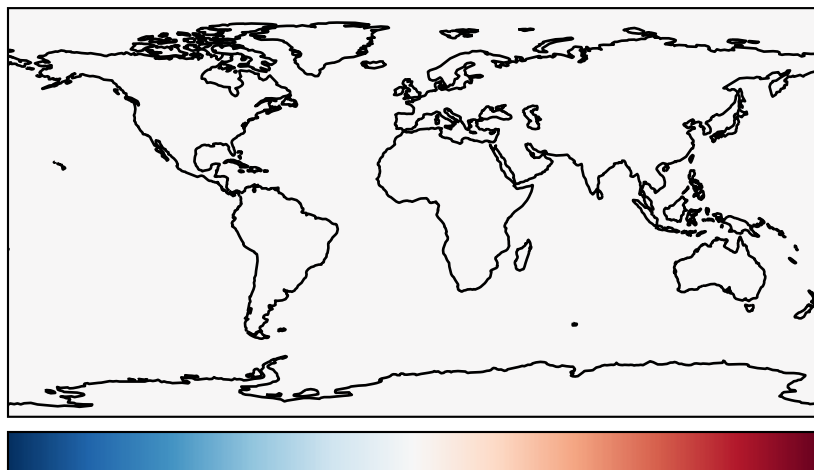
Difference (1x1.25), Restricted Range [5%,95%]
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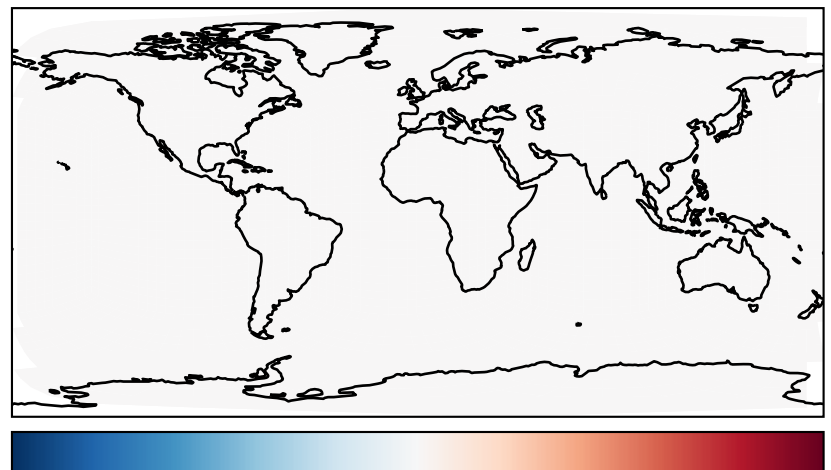
SpeciesConcVV_NO

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



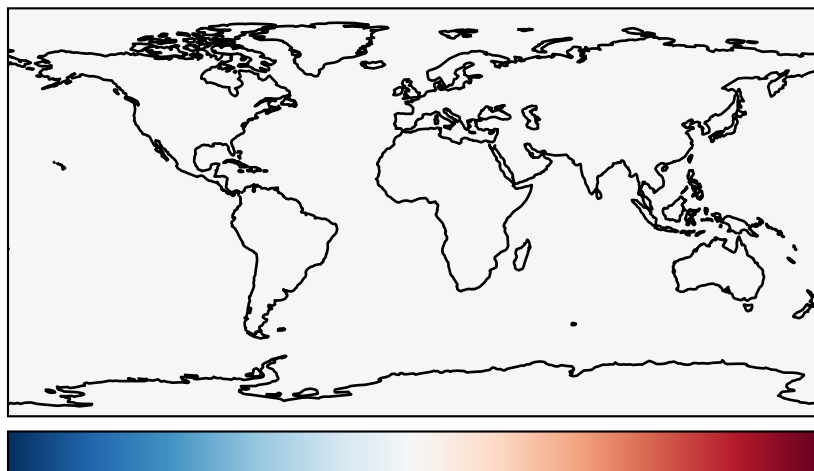
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gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



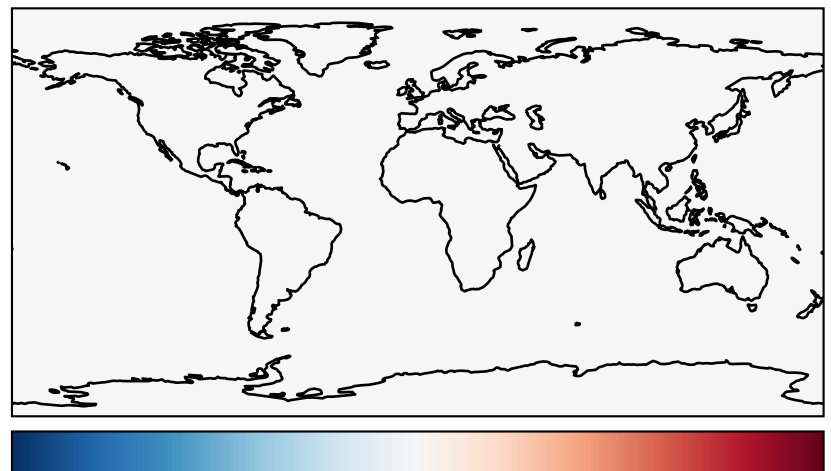
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ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



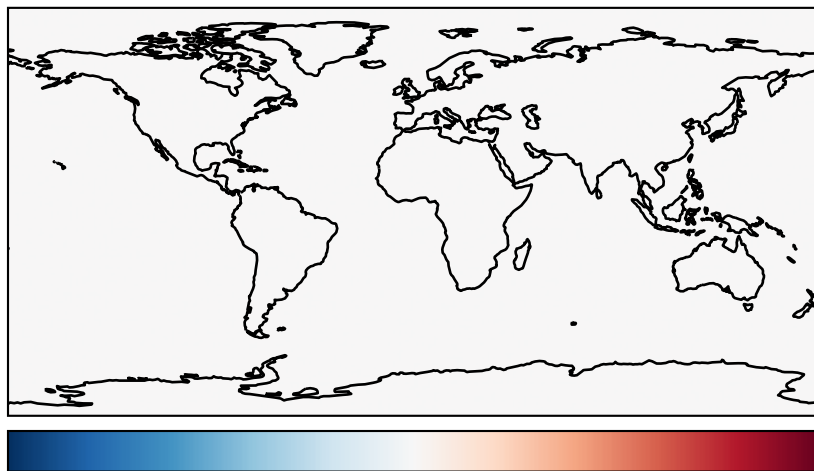
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



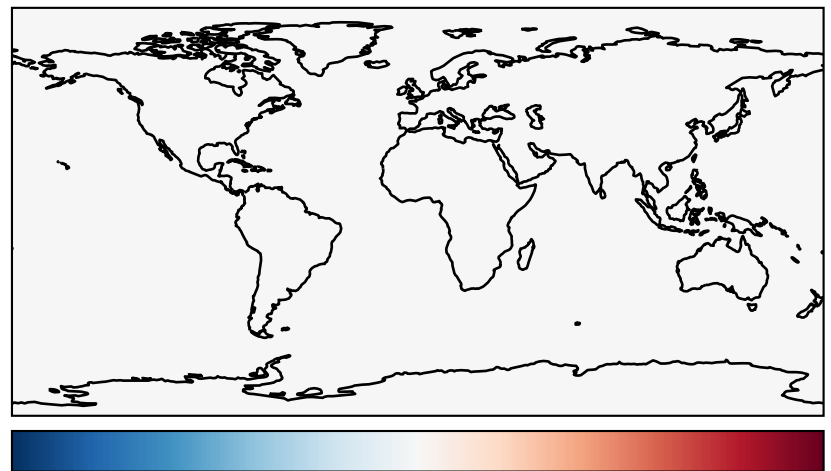
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



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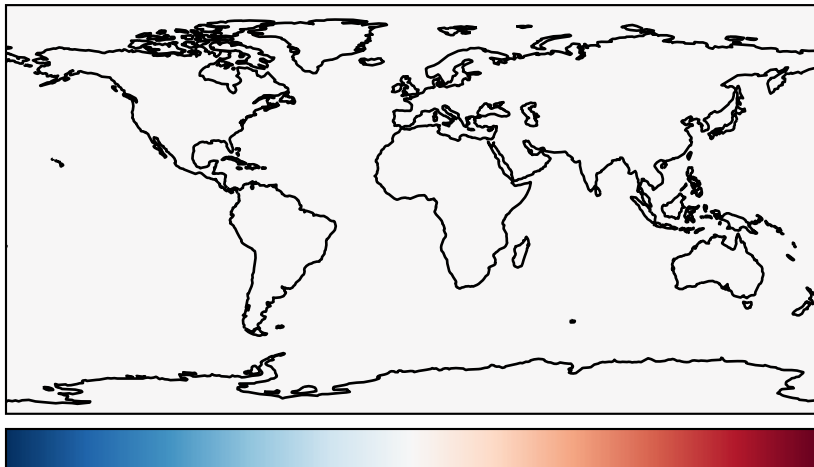
Difference (1x1.25), Restricted Range [5%,95%]
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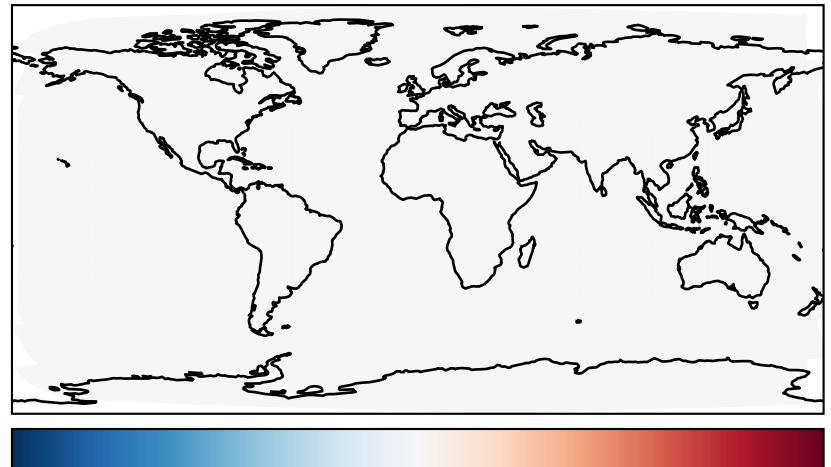
SpeciesConcVV_NO2

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



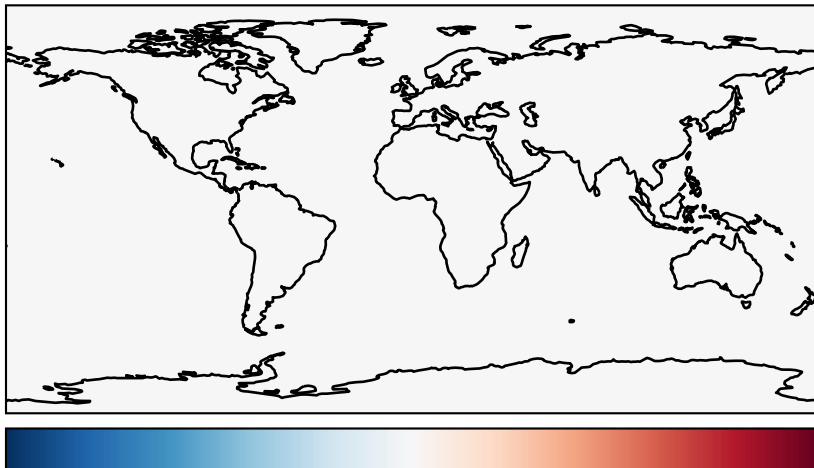
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



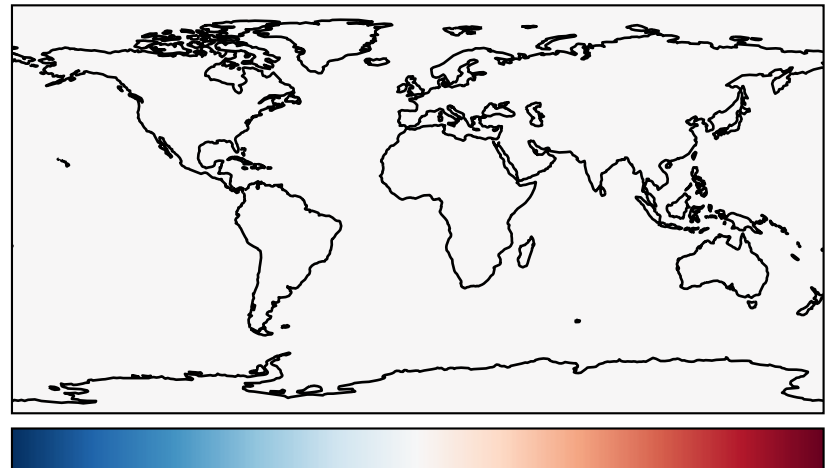
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



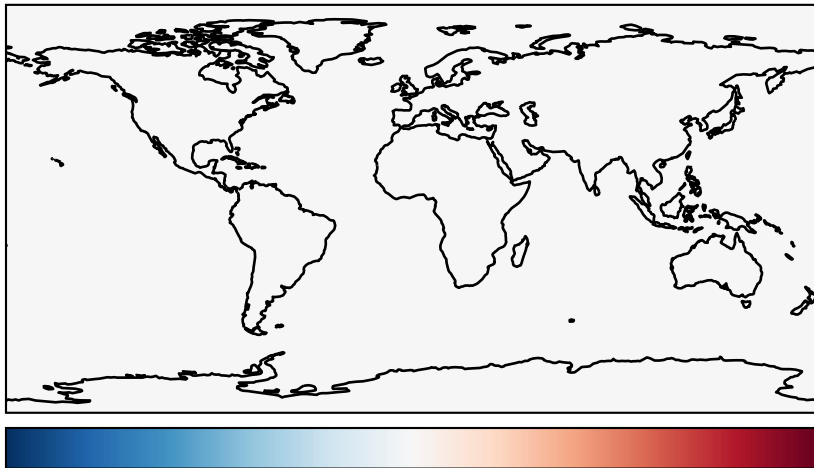
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



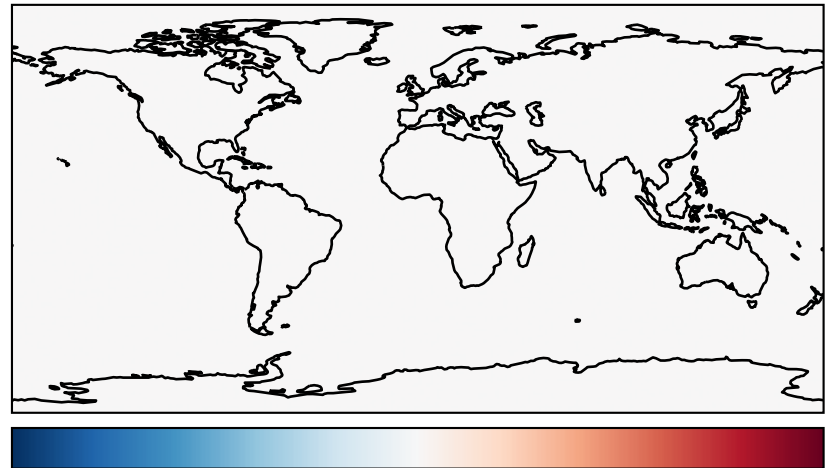
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



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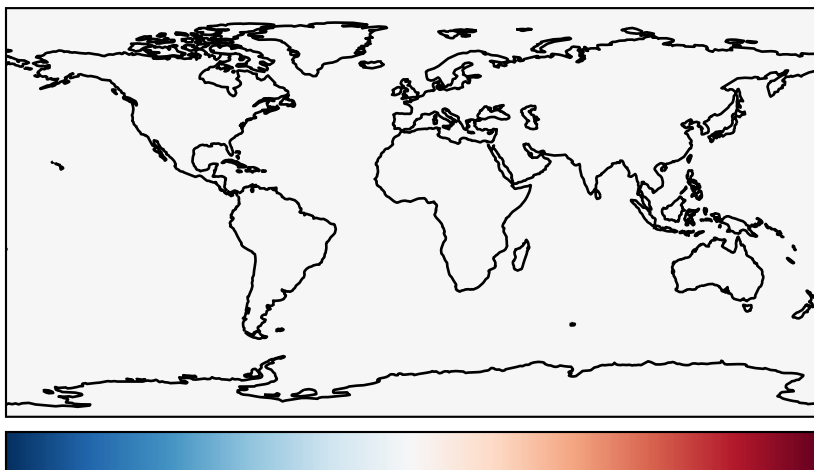
Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



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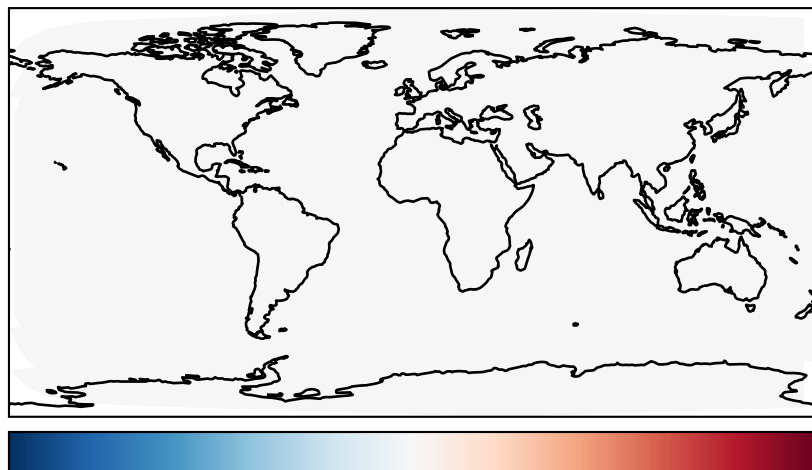
SpeciesConcVV_NO3

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



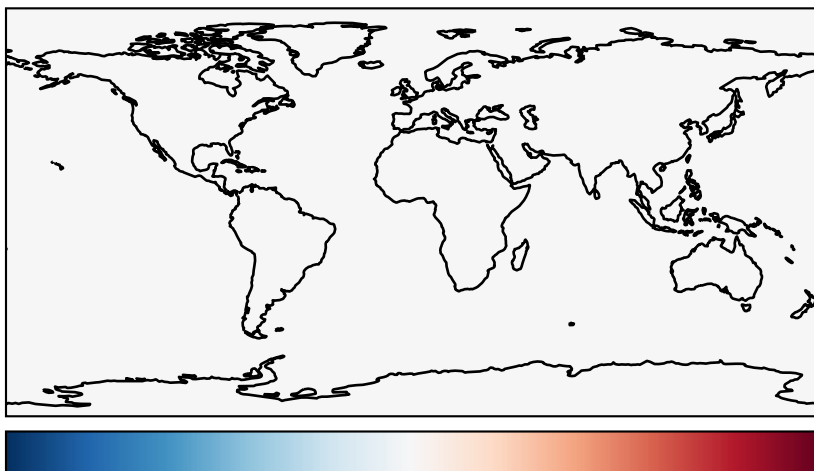
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



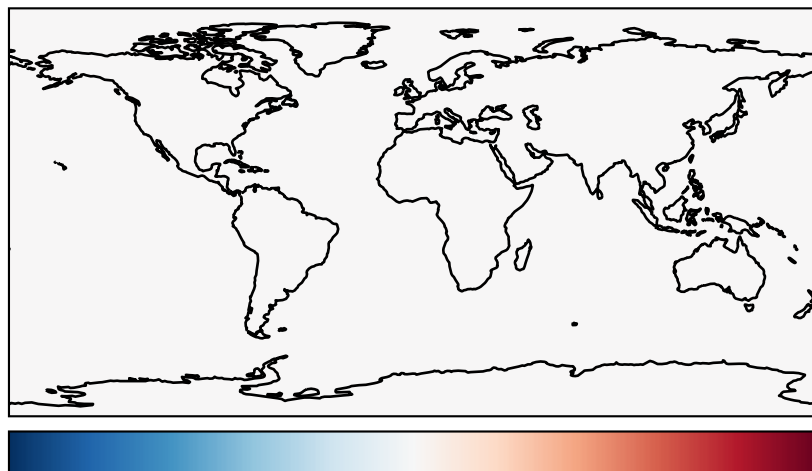
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



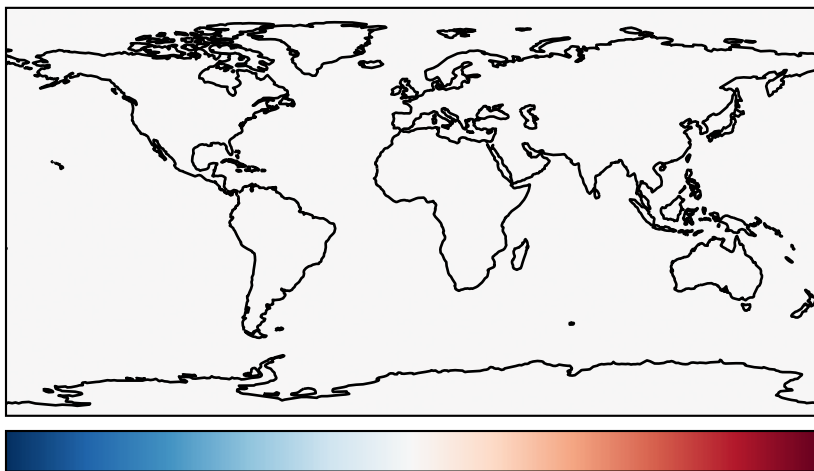
Zero throughout domain
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



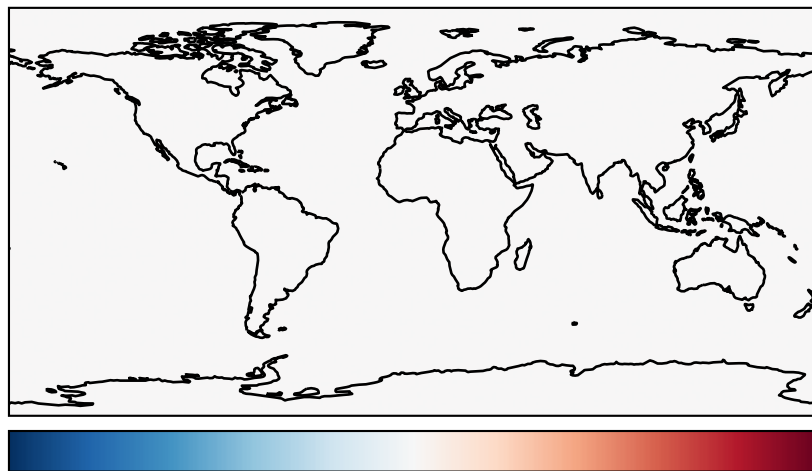
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



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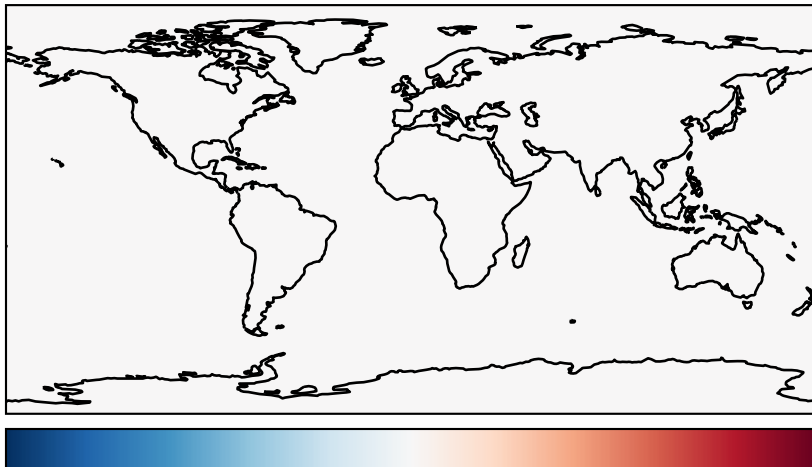
Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



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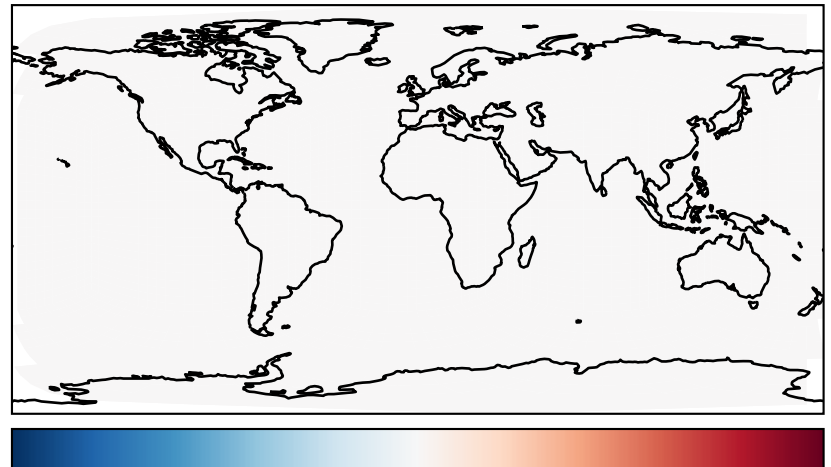
SpeciesConcVW_N2O5

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



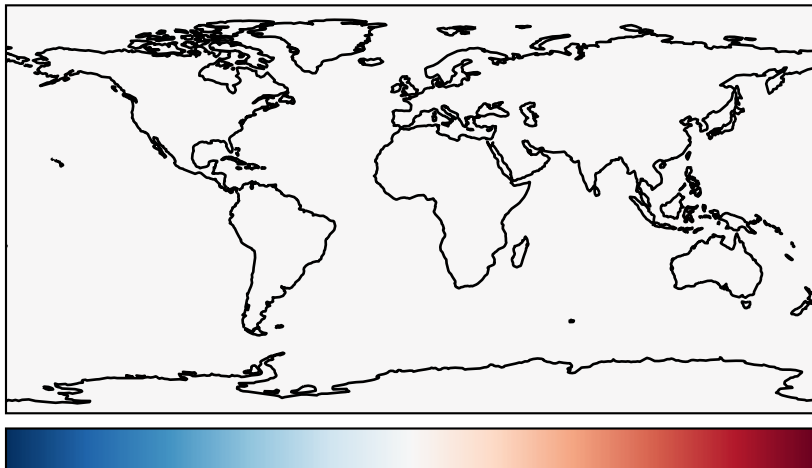
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



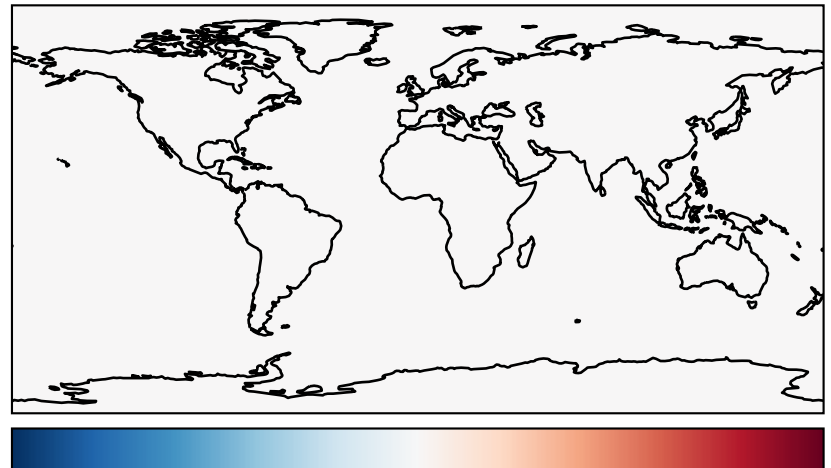
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



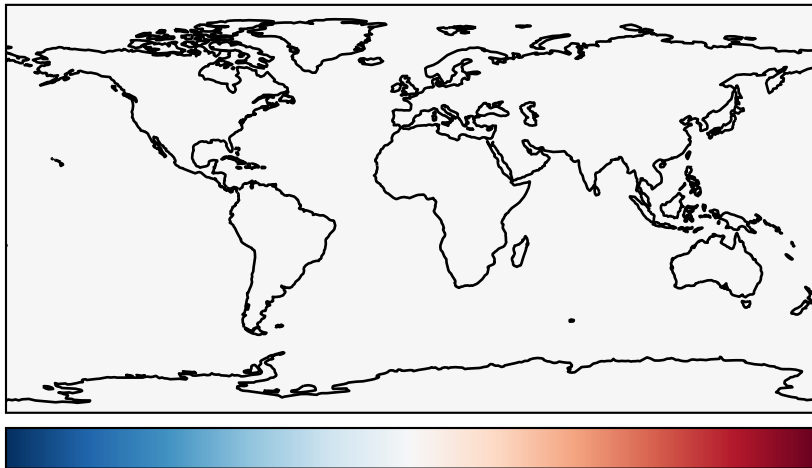
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



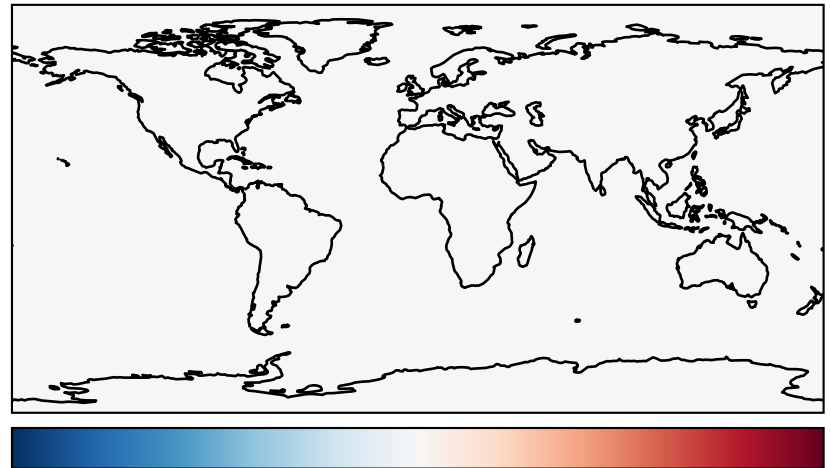
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



Undefined throughout domain
unitless

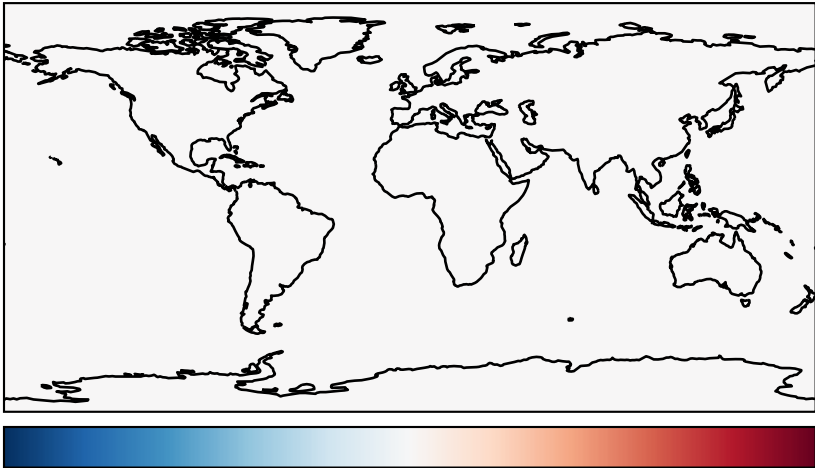
Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



Undefined throughout domain
unitless

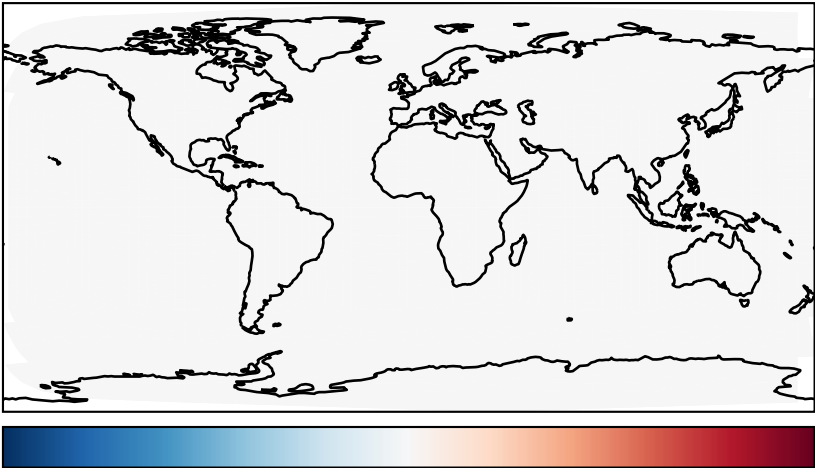
SpeciesConcVV_MPN

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



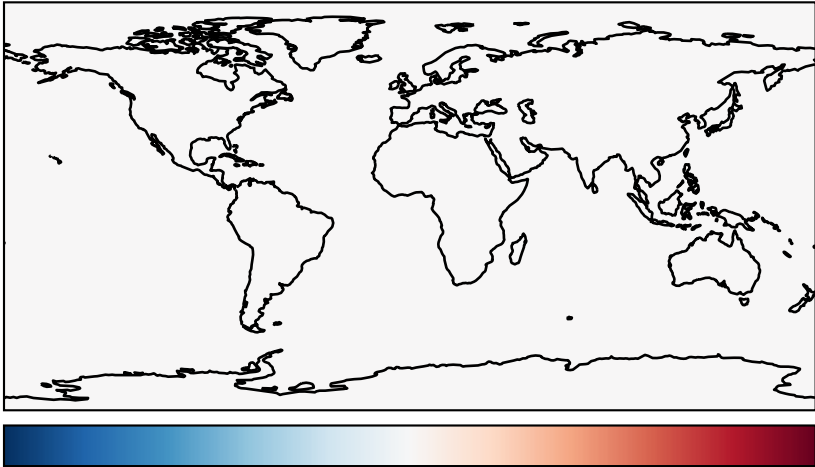
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



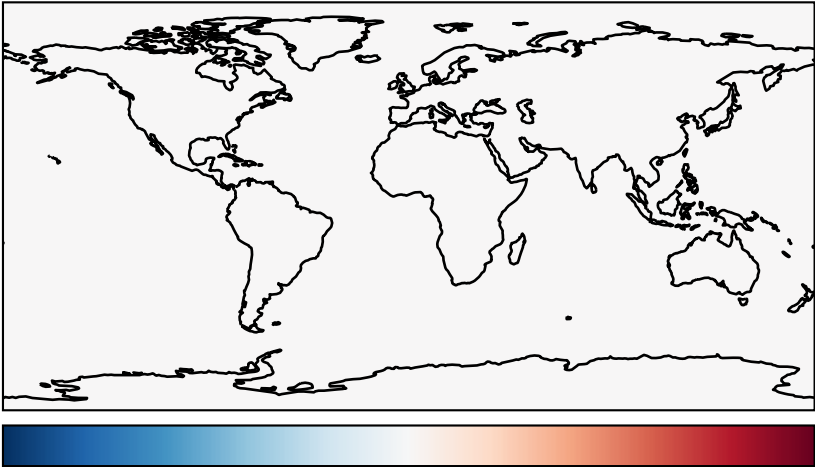
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



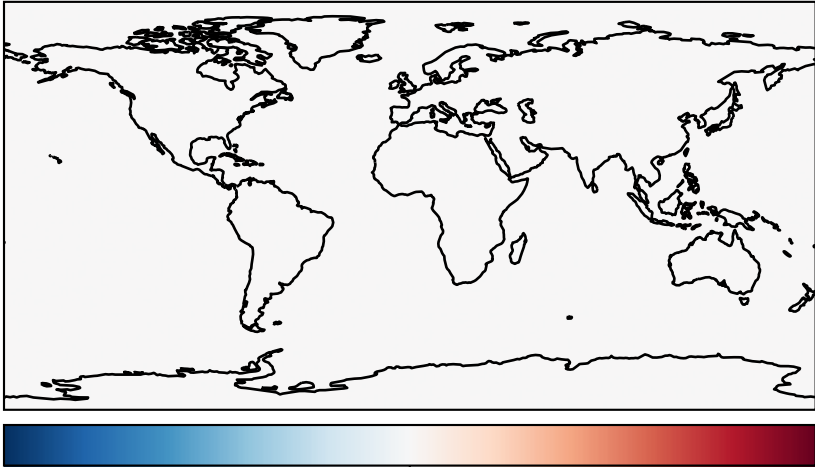
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



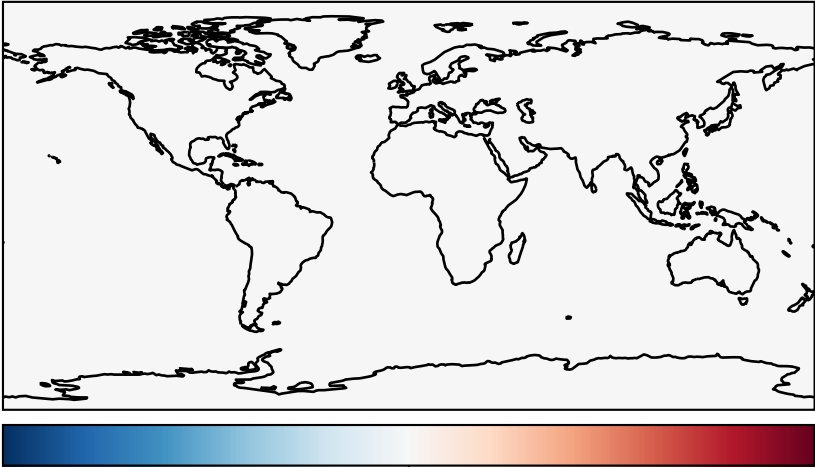
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



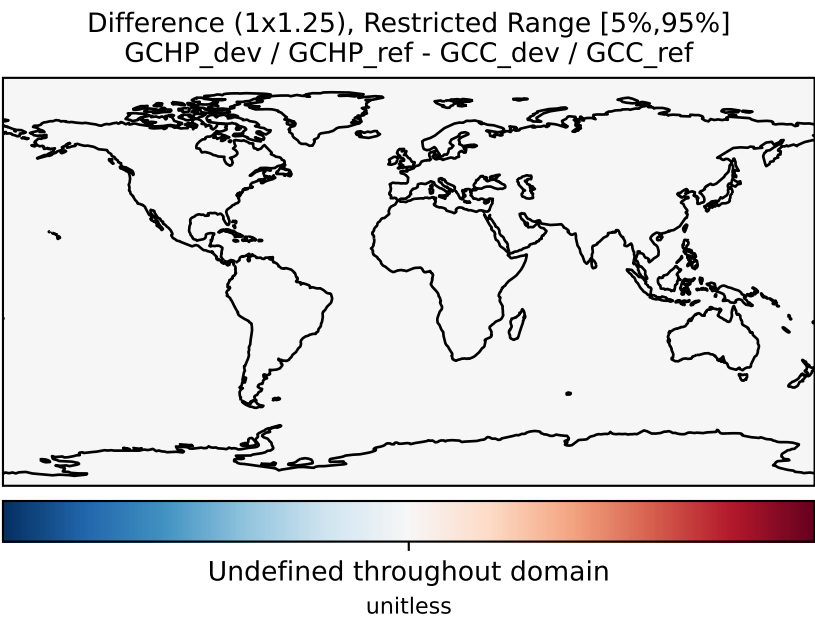
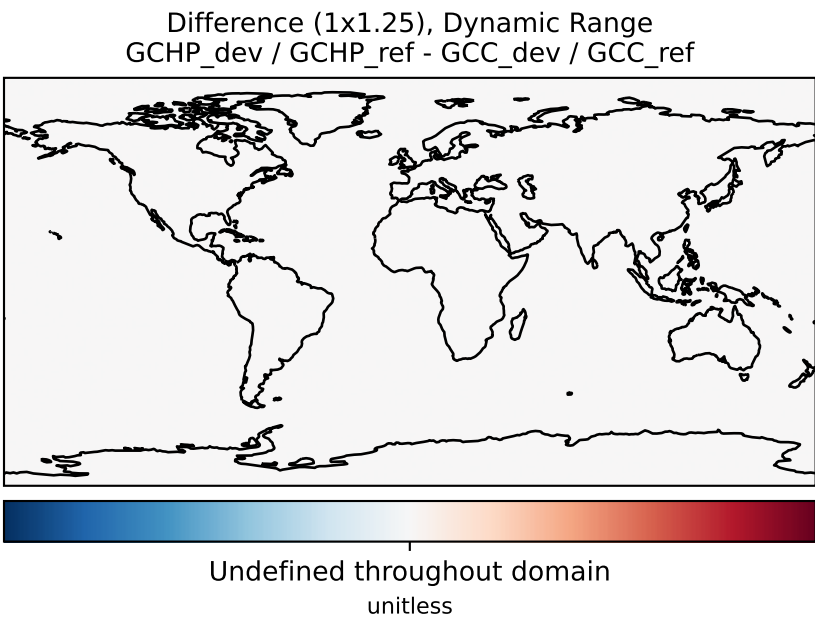
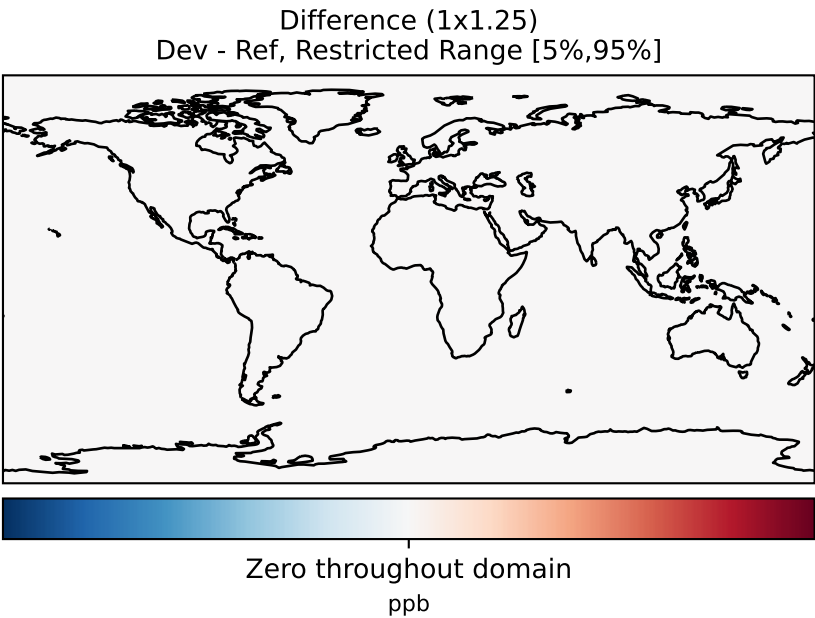
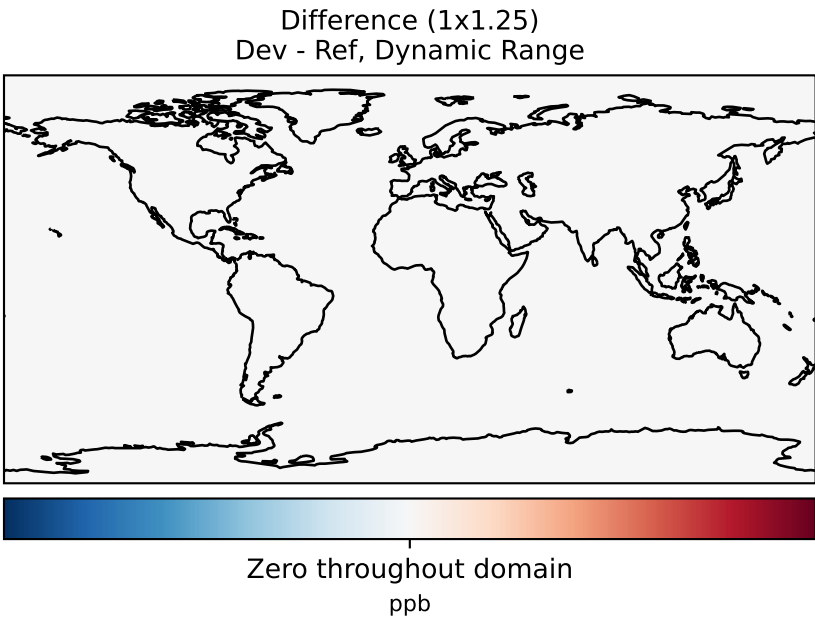
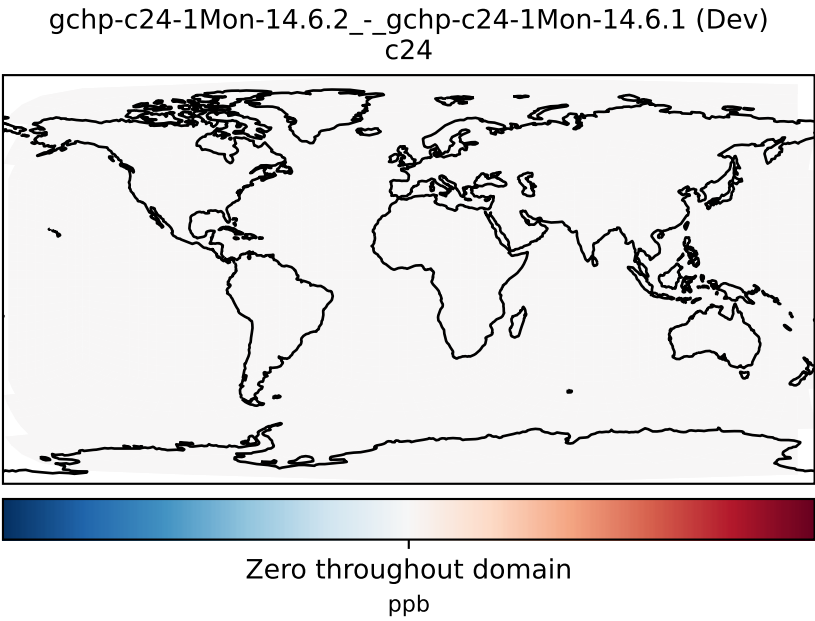
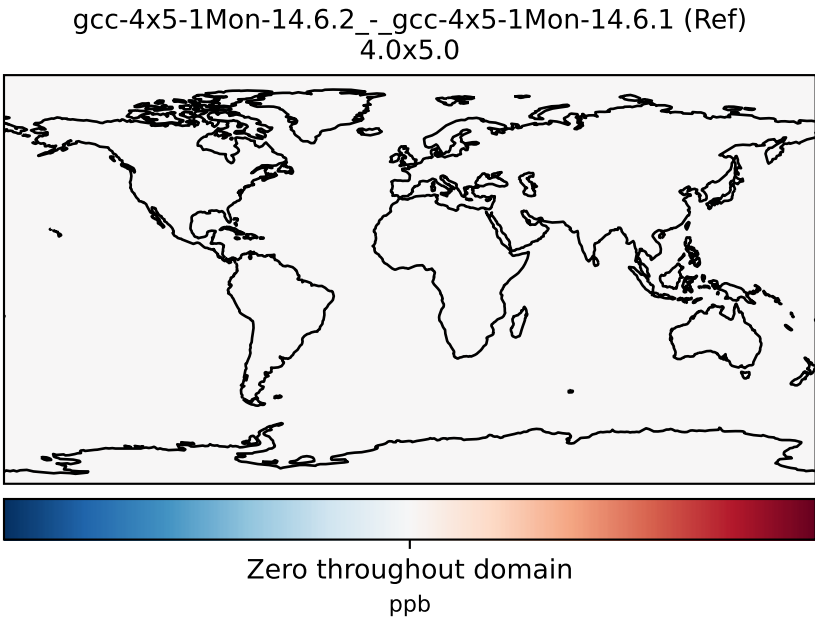
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unitless

Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



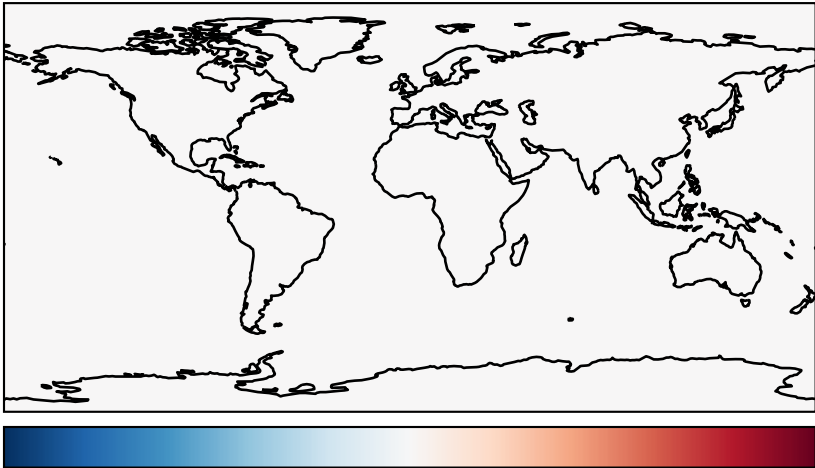
Undefined throughout domain
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SpeciesConcVV_PAN



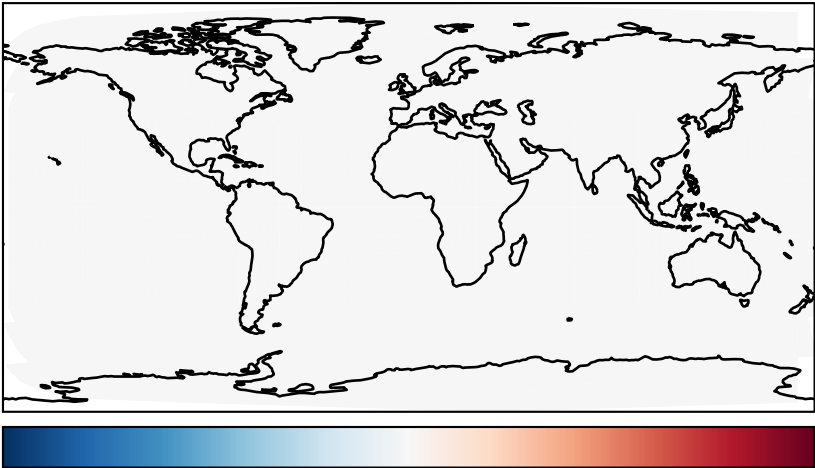
SpeciesConcVV_PPN

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



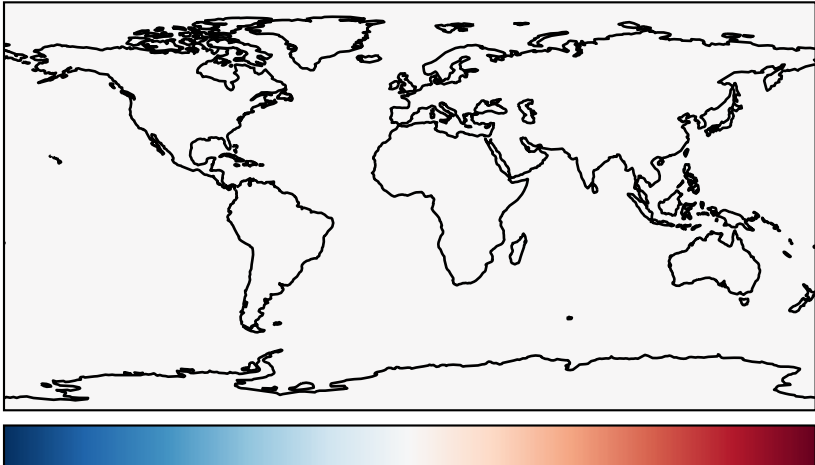
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



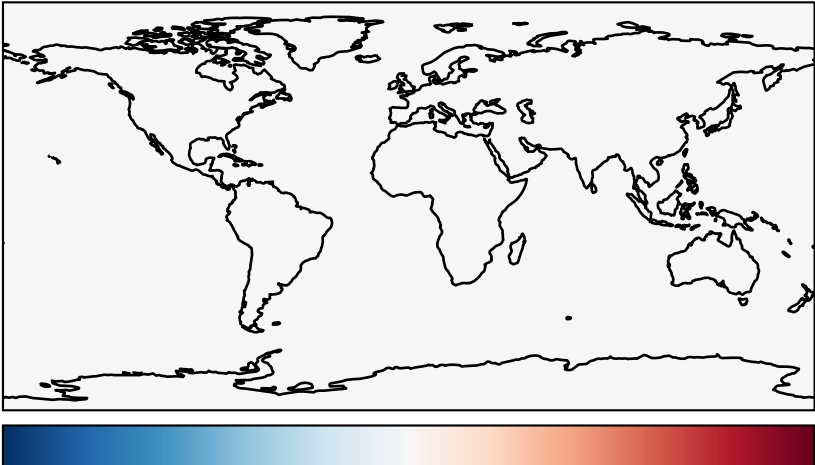
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



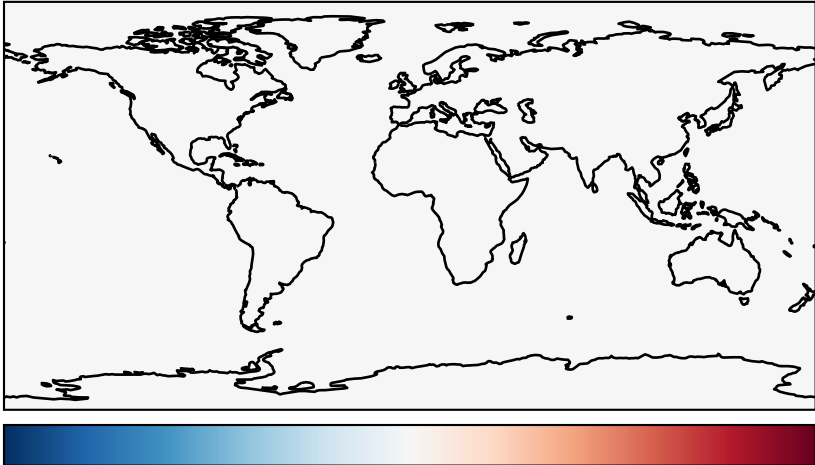
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



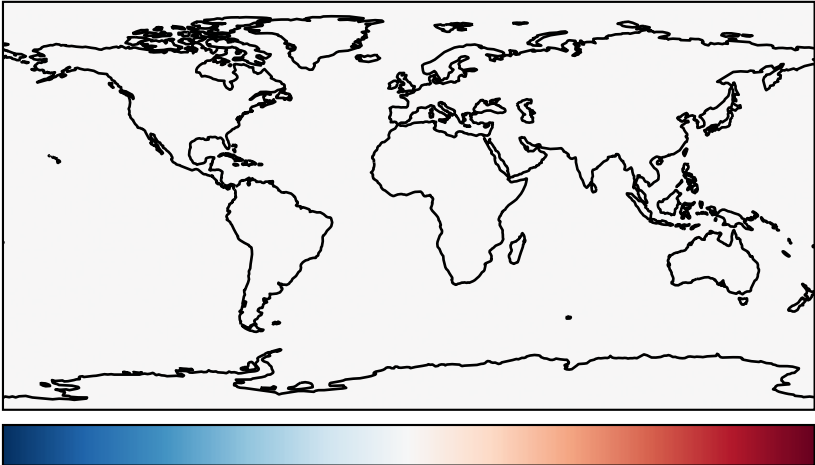
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



Undefined throughout domain
unitless

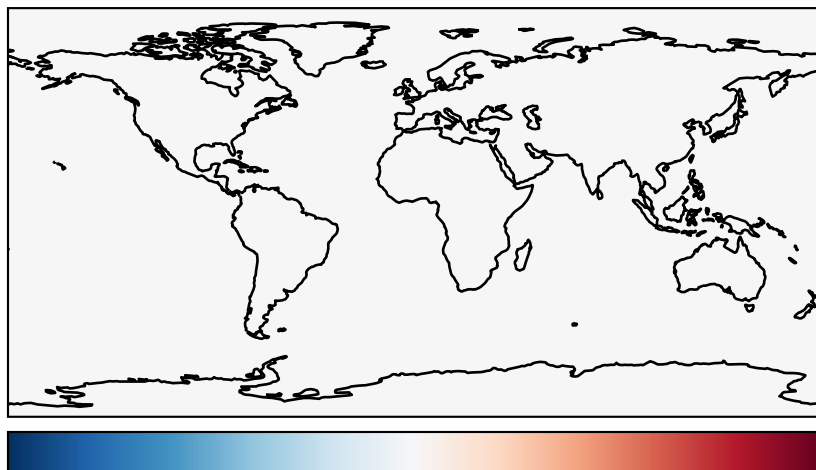
Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



Undefined throughout domain
unitless

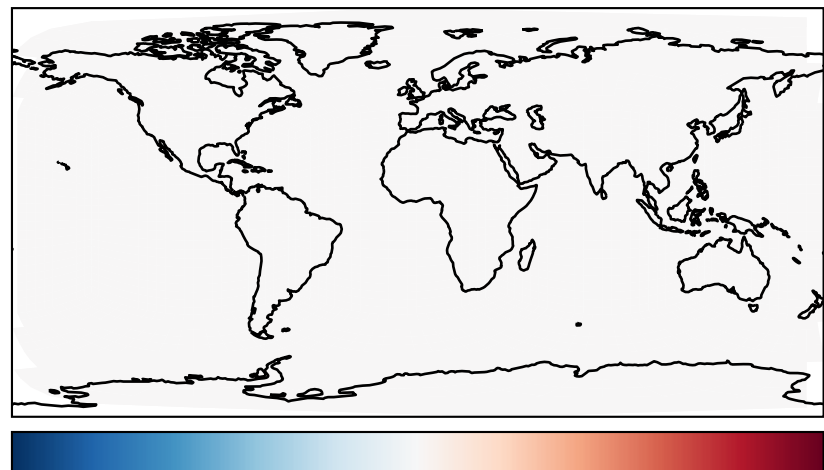
SpeciesConcVV_N2O

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



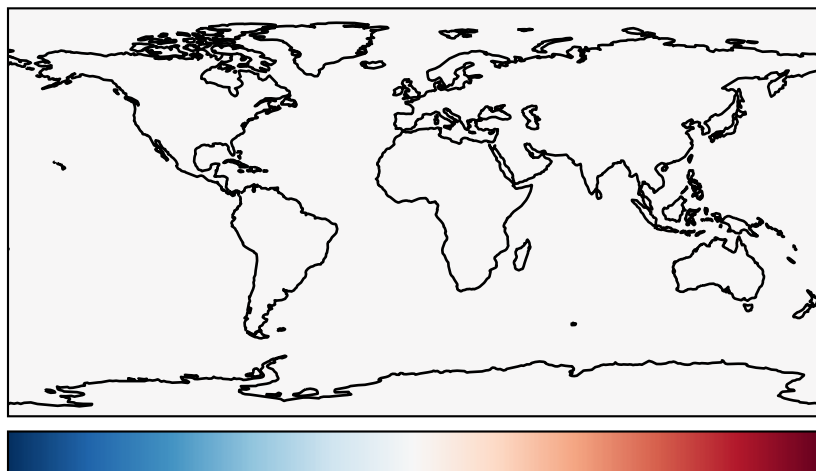
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



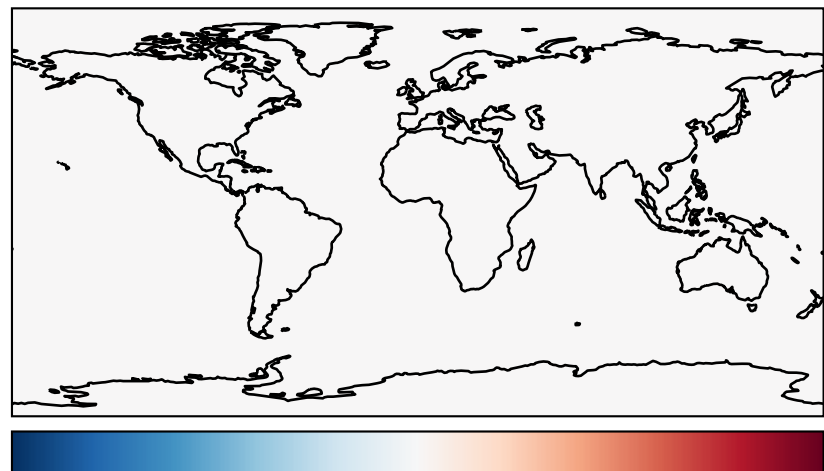
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



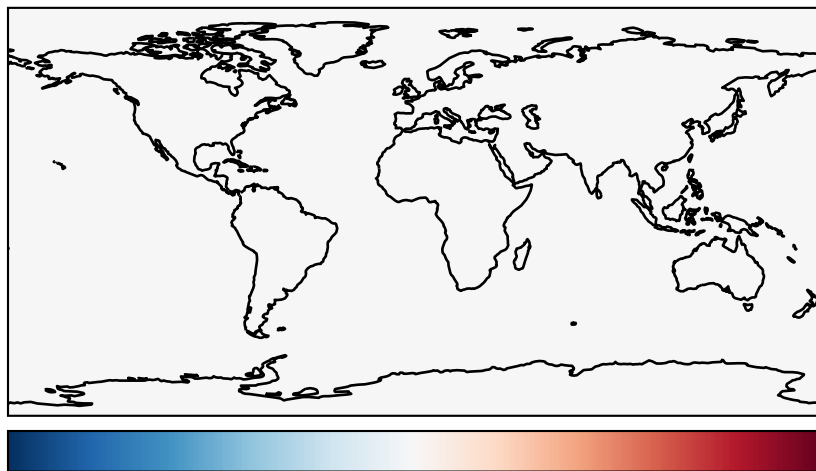
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



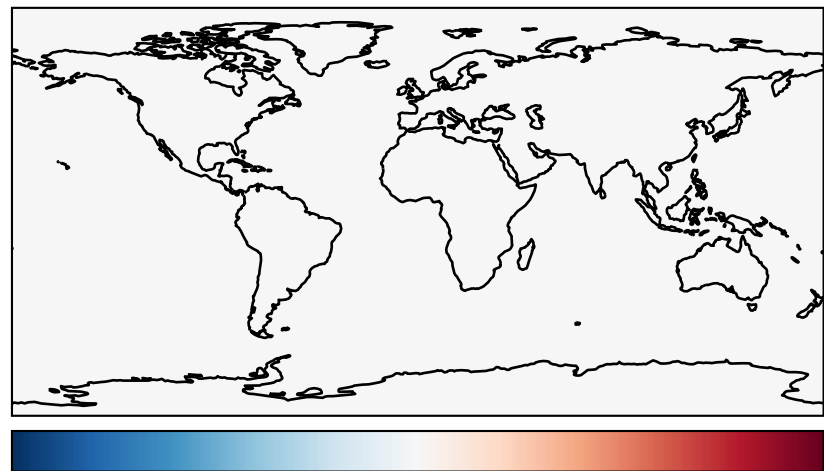
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



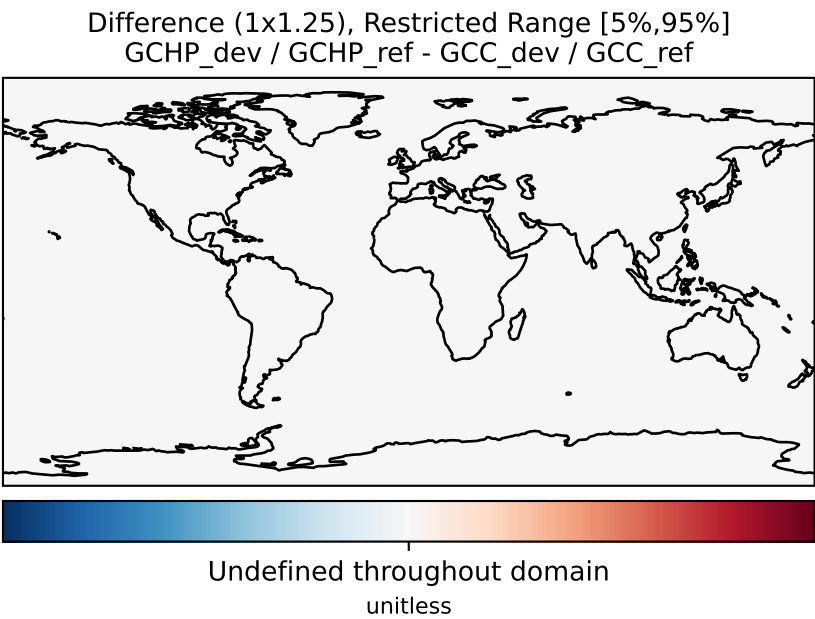
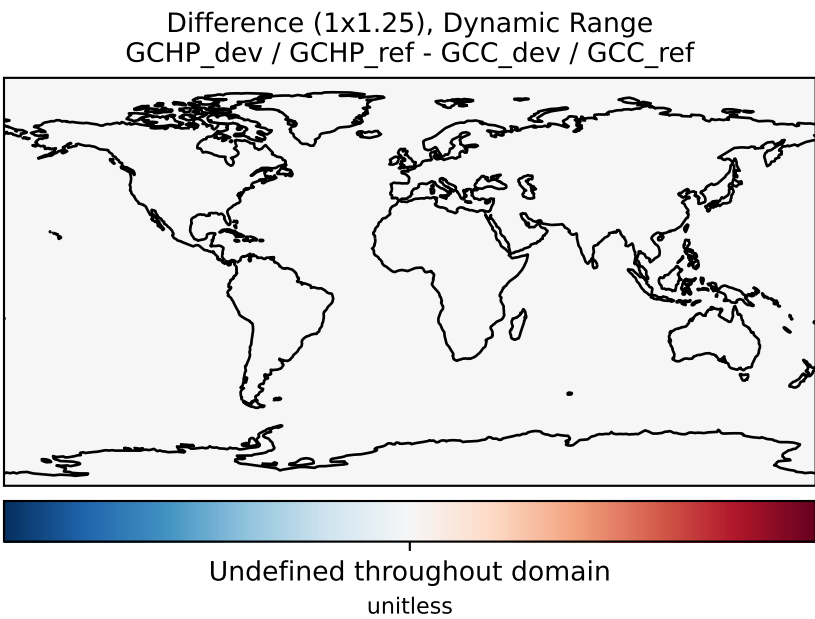
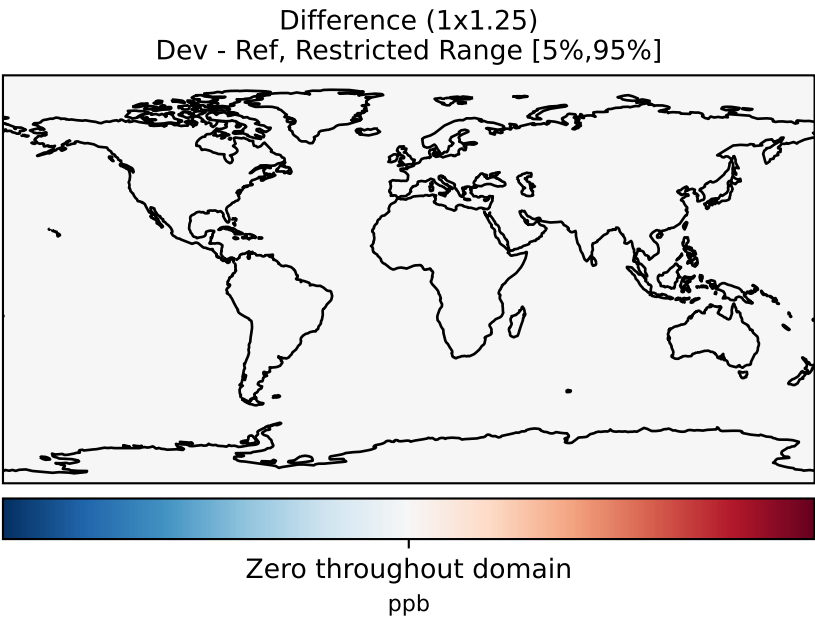
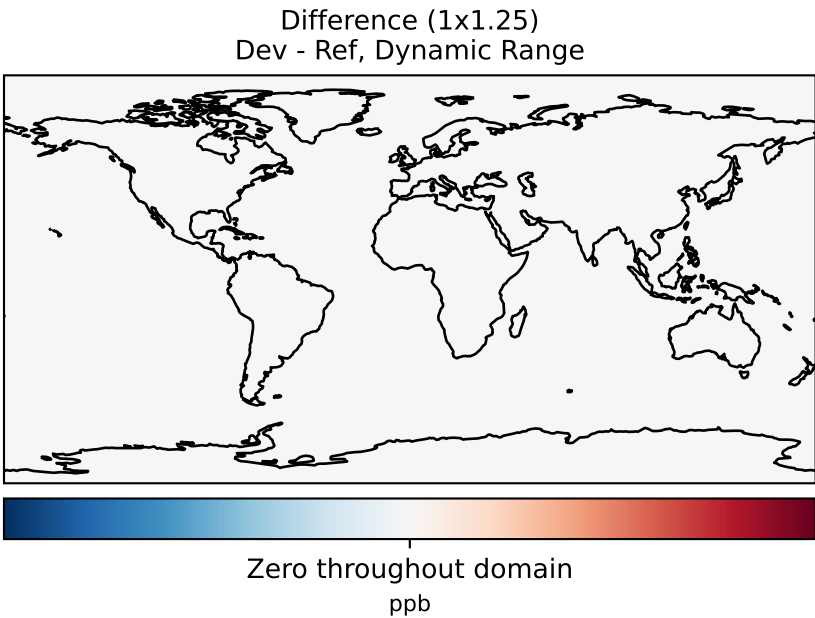
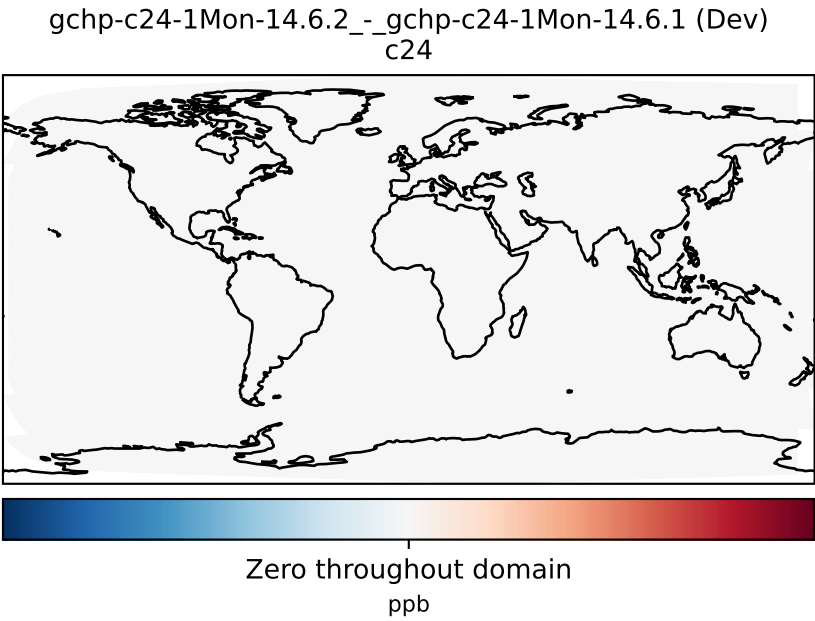
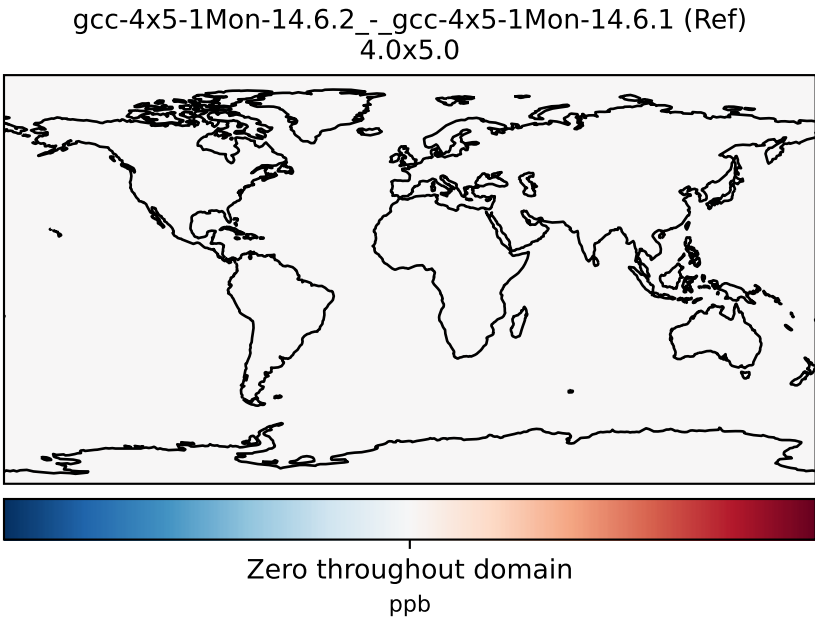
Undefined throughout domain
unitless

Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



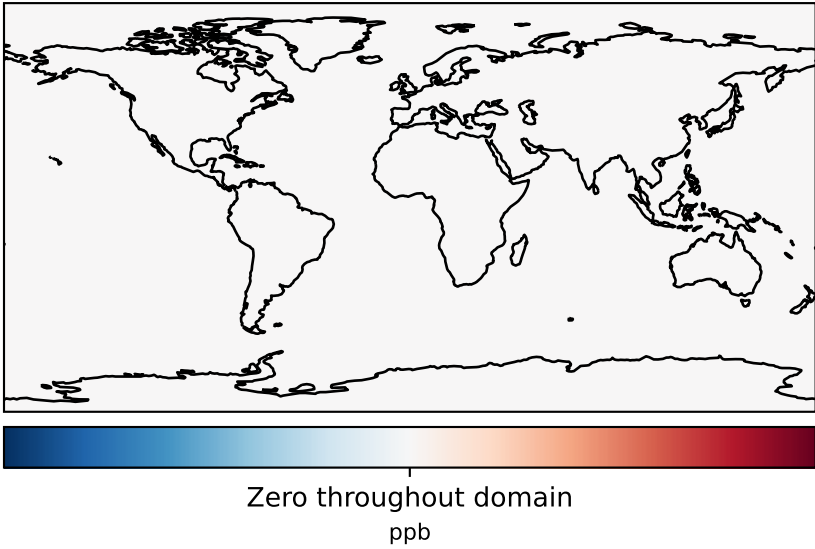
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unitless

SpeciesConcVV_NHx

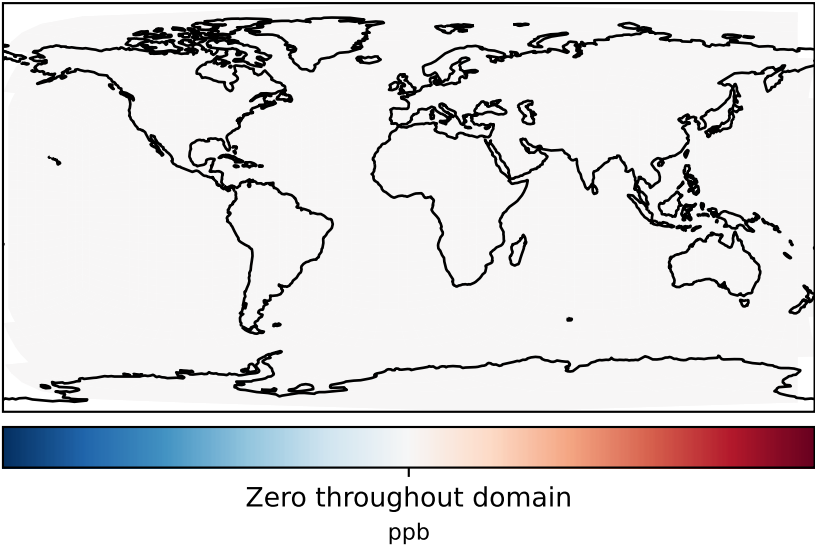


SpeciesConcVV_NH3

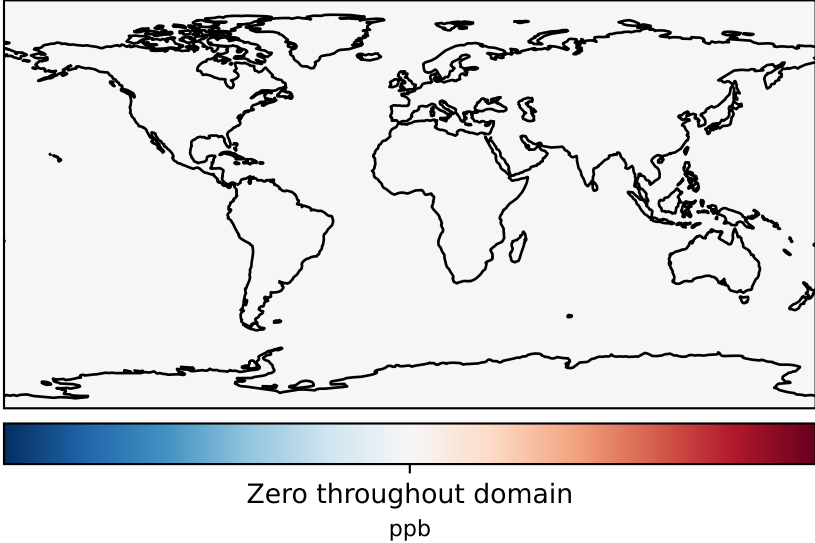
gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



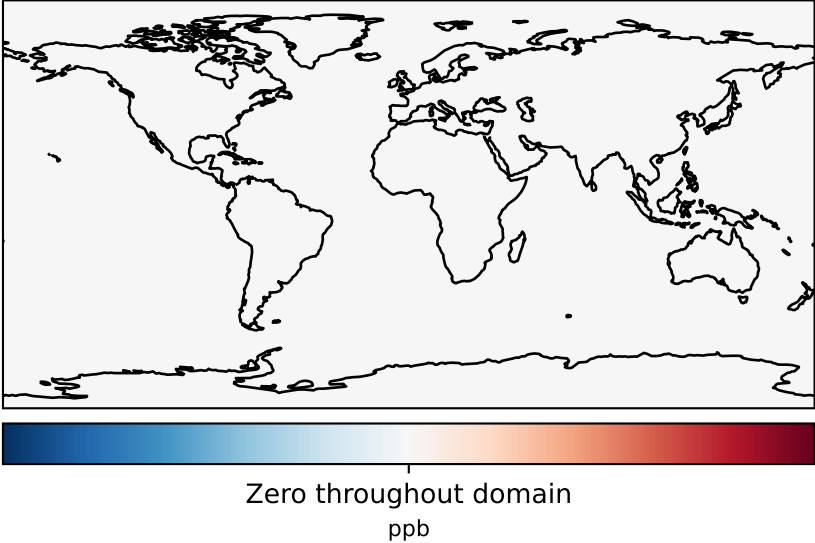
gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



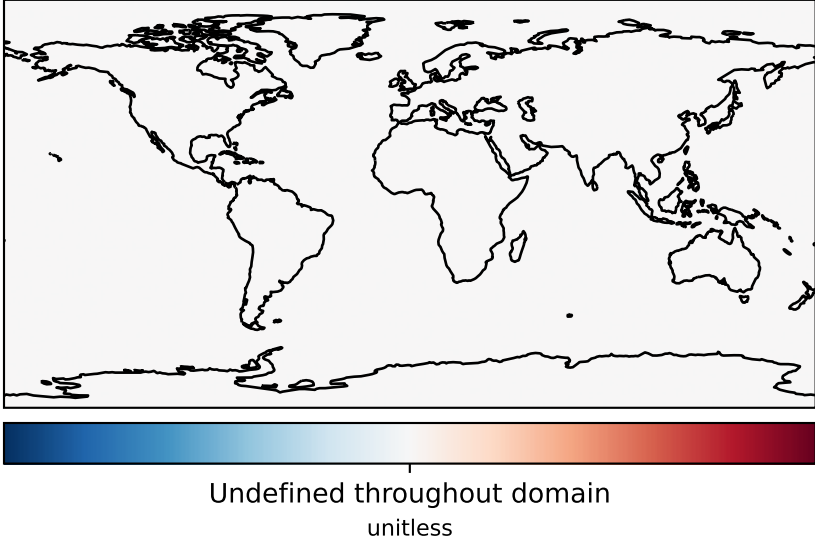
Difference (1x1.25)
Dev - Ref, Dynamic Range



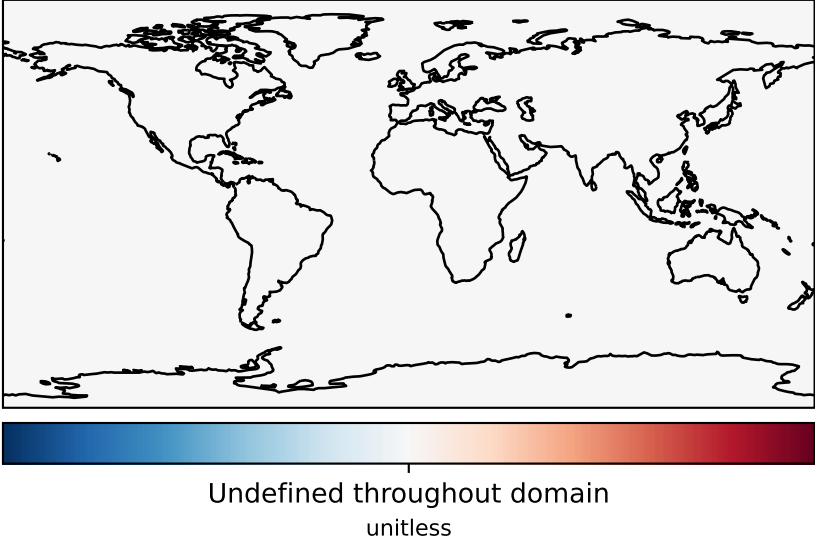
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



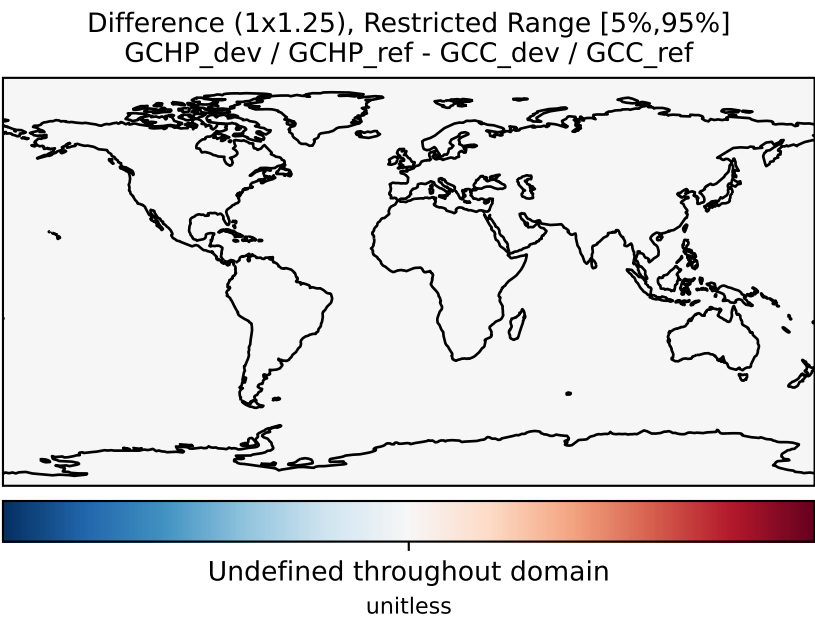
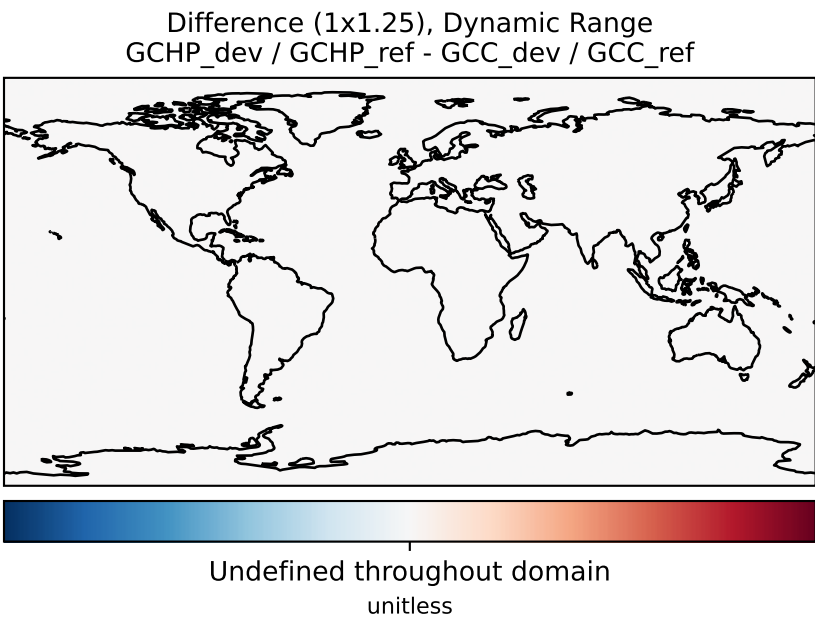
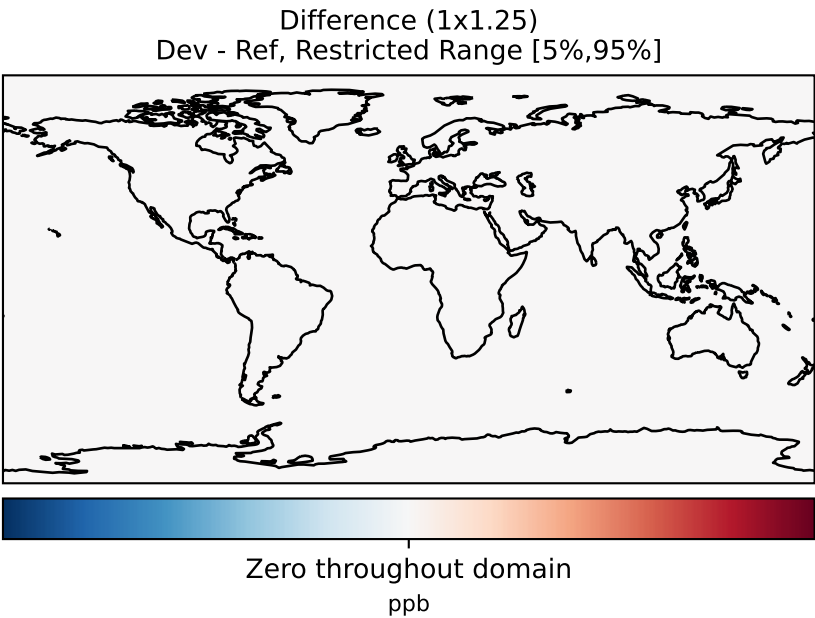
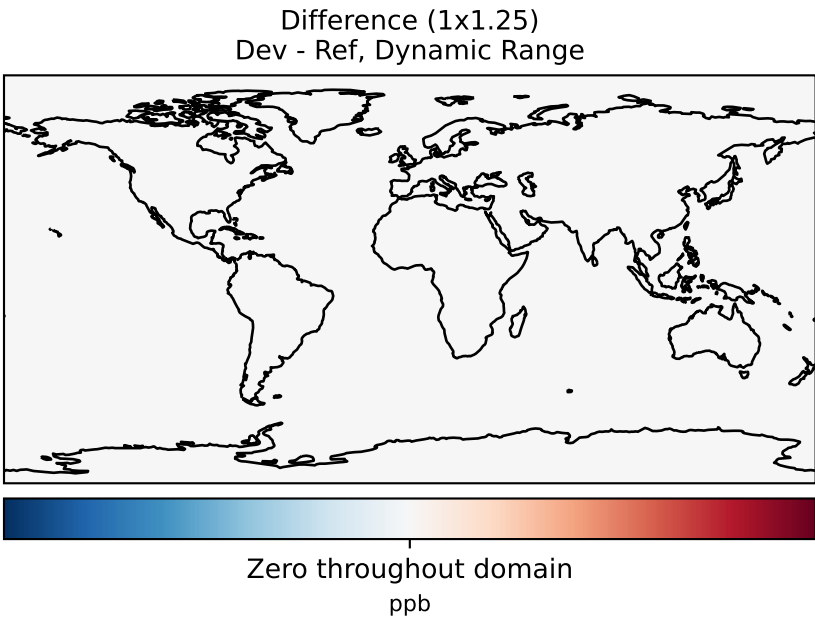
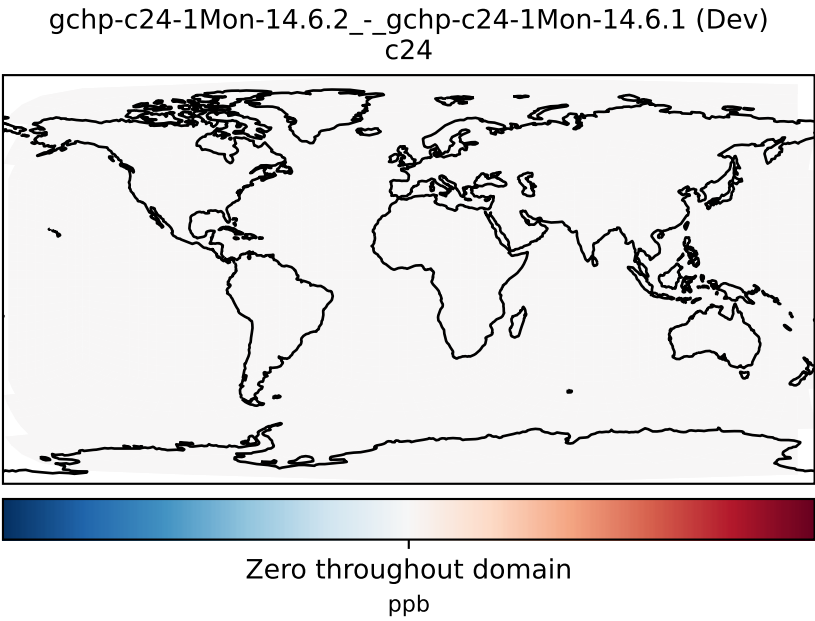
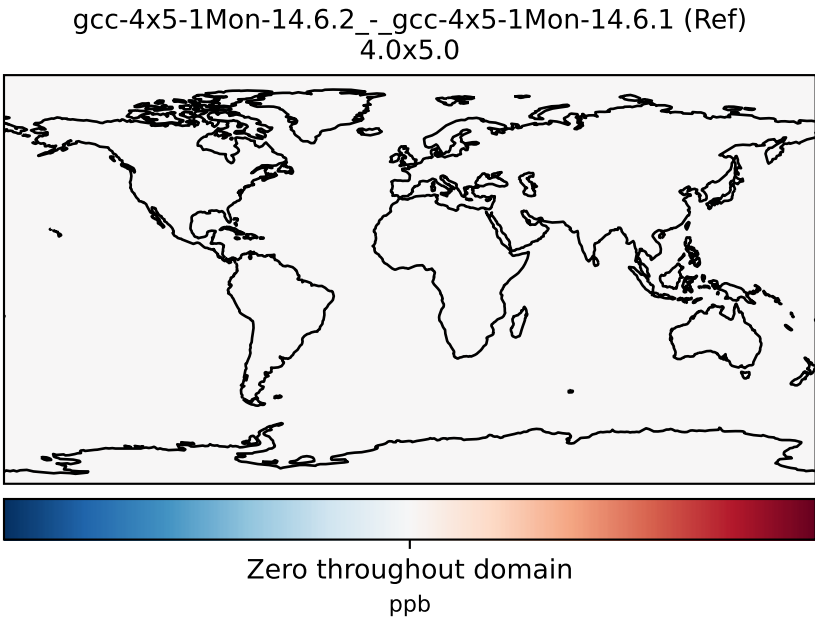
Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

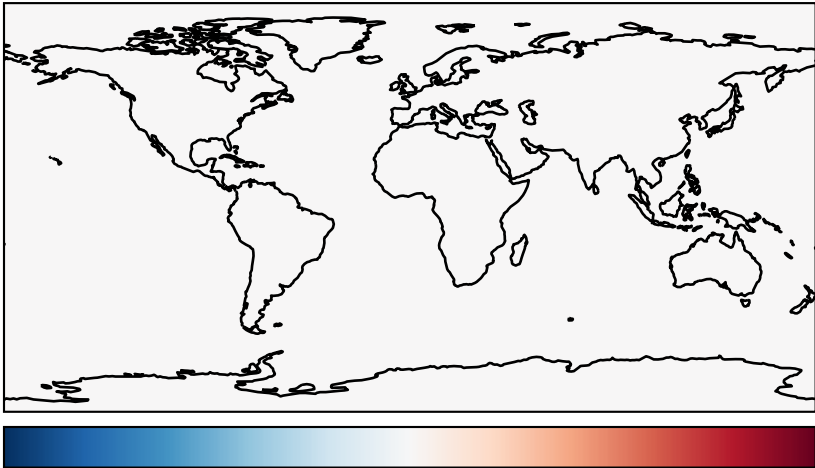


SpeciesConcVV_NH4



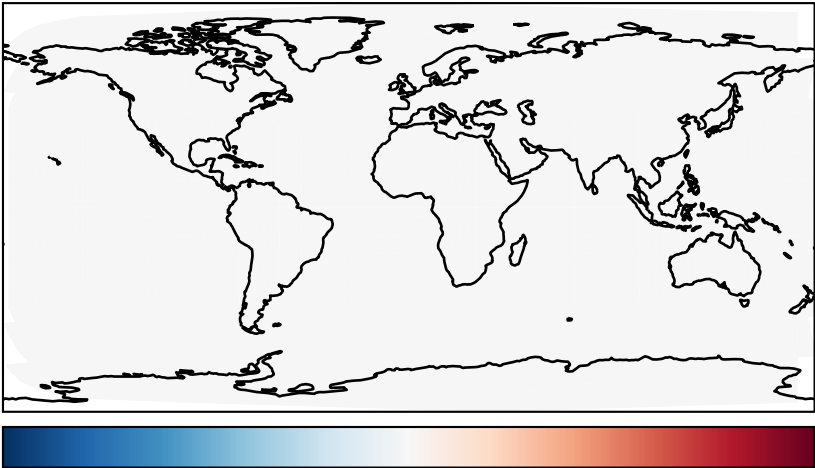
SpeciesConcVV_MEN03

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



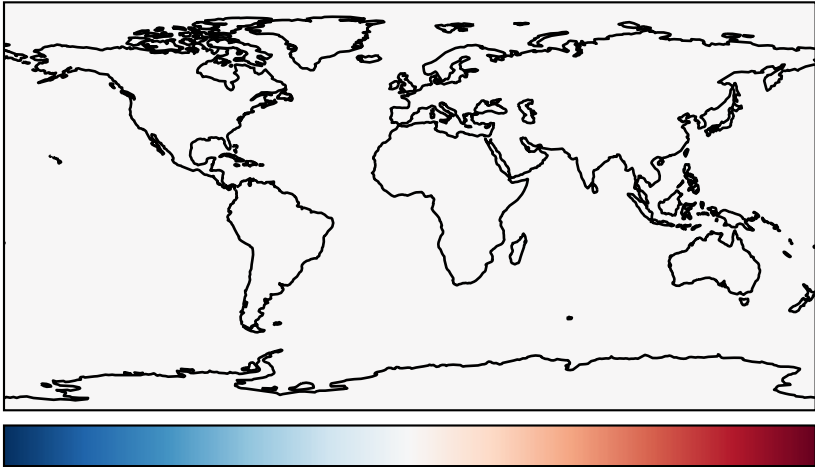
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



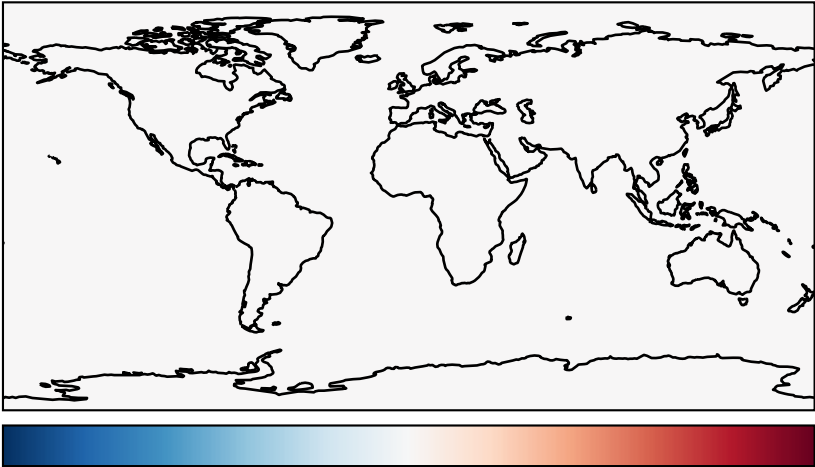
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



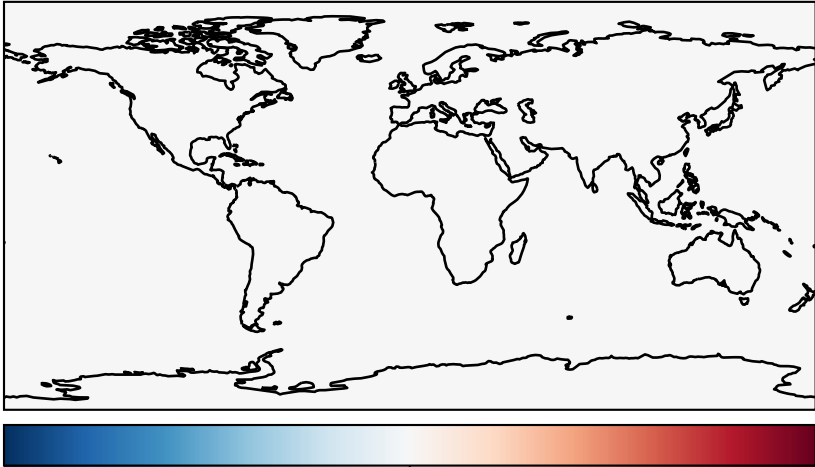
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



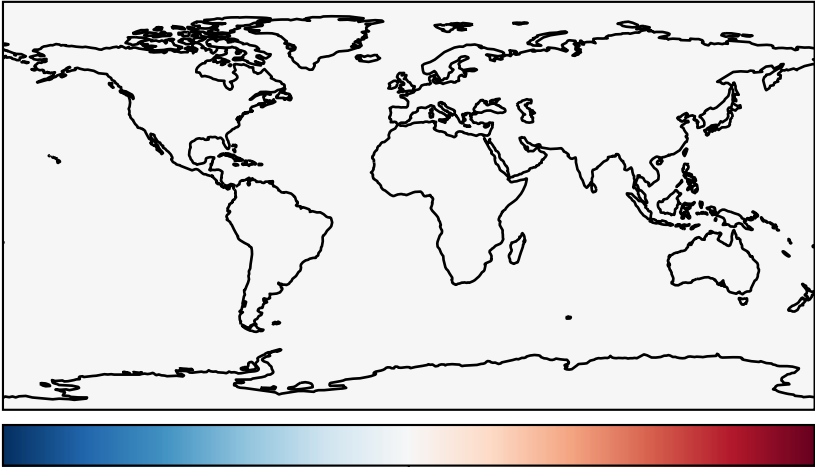
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



Undefined throughout domain
unitless

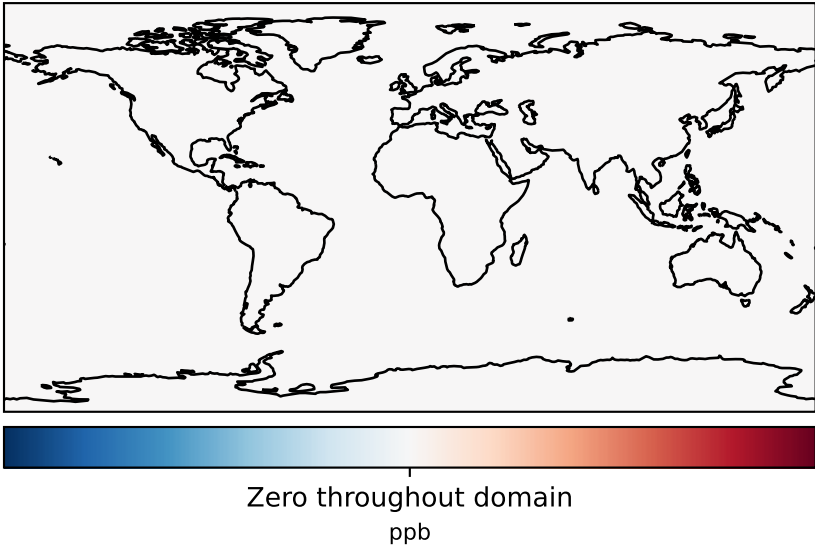
Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



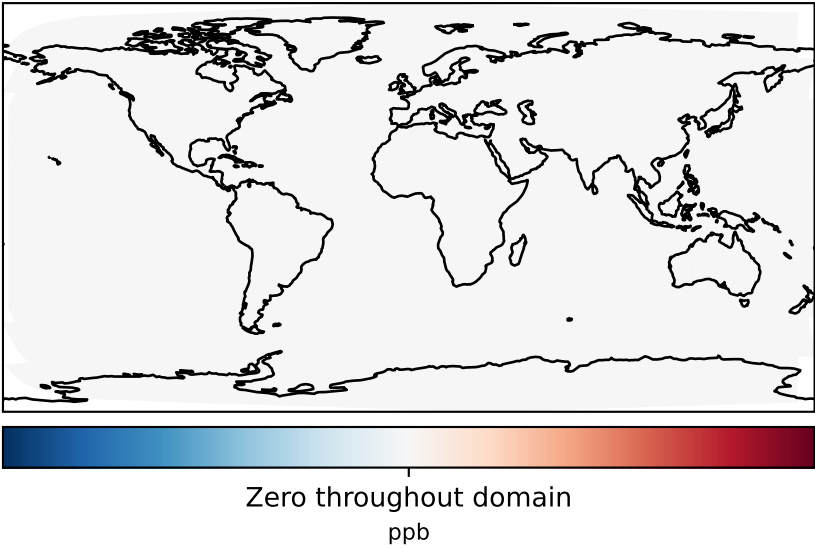
Undefined throughout domain
unitless

SpeciesConcVV_ETN03

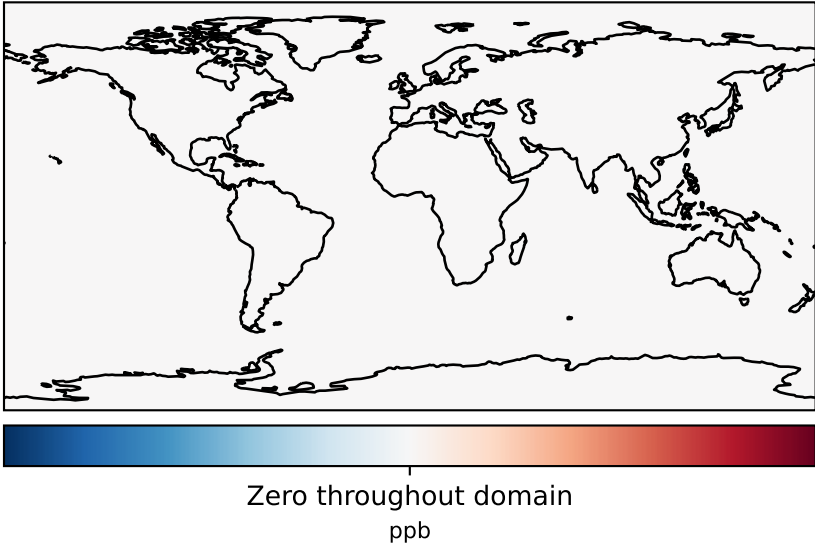
gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



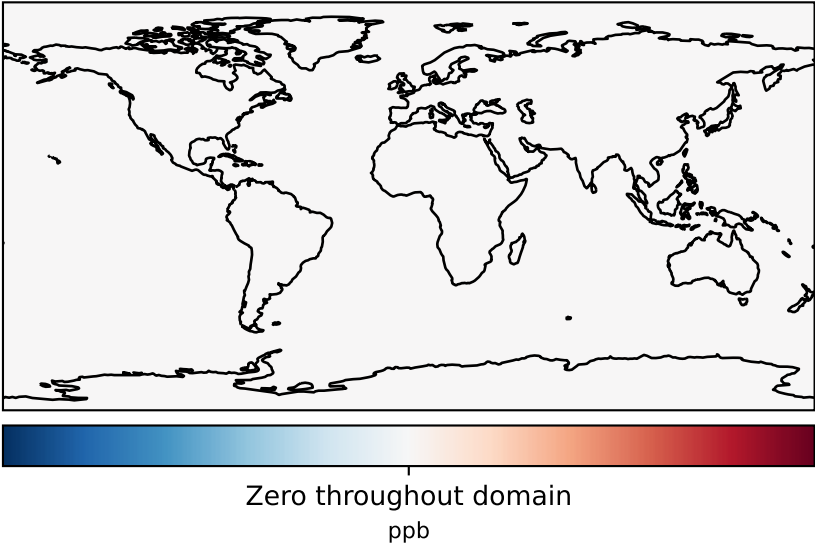
gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



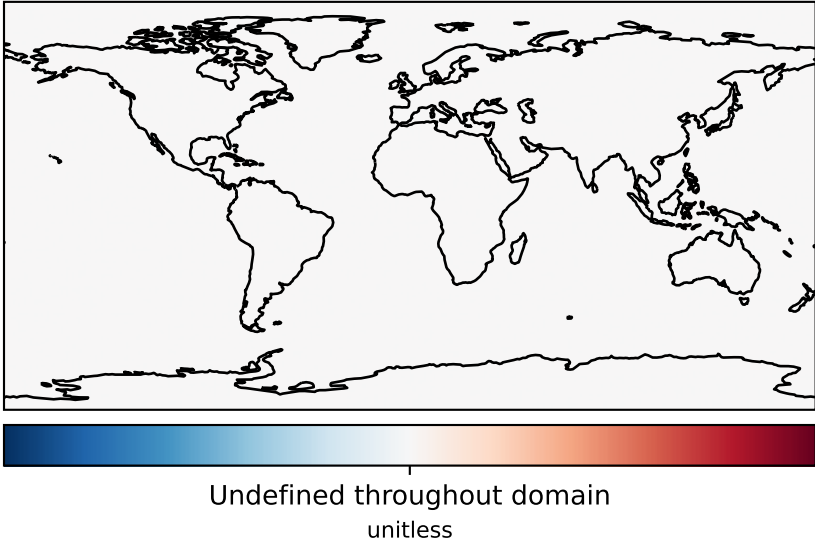
Difference (1x1.25)
Dev - Ref, Dynamic Range



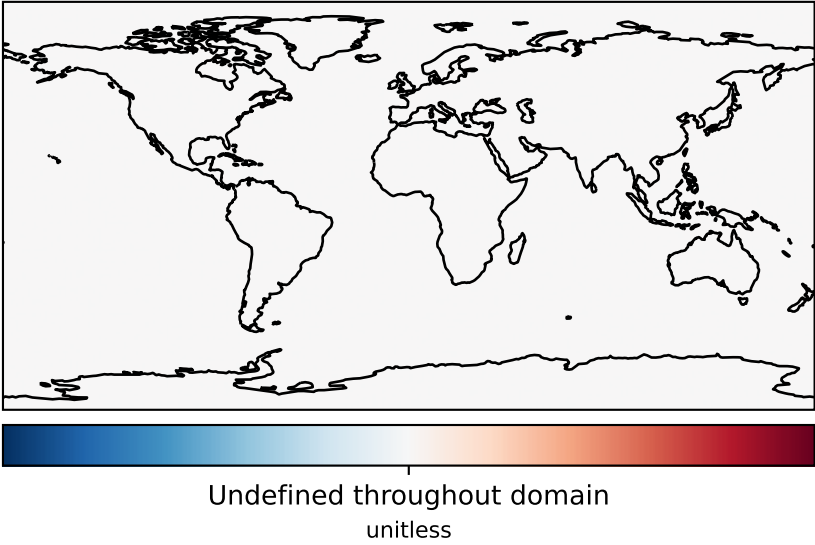
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$

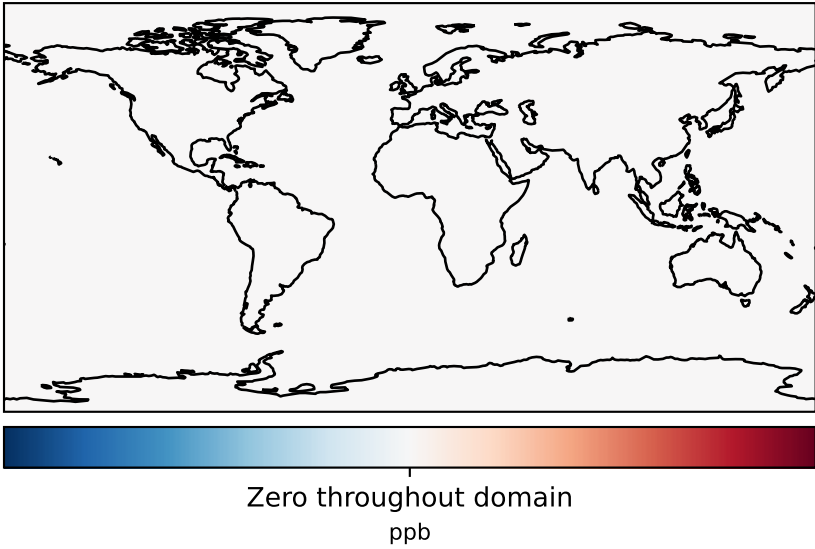


Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$

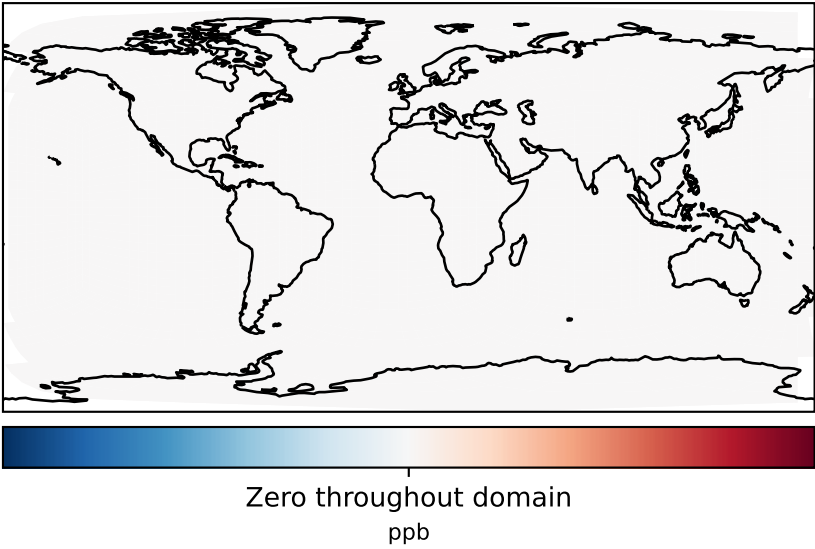


SpeciesConcVV_IPRNO3

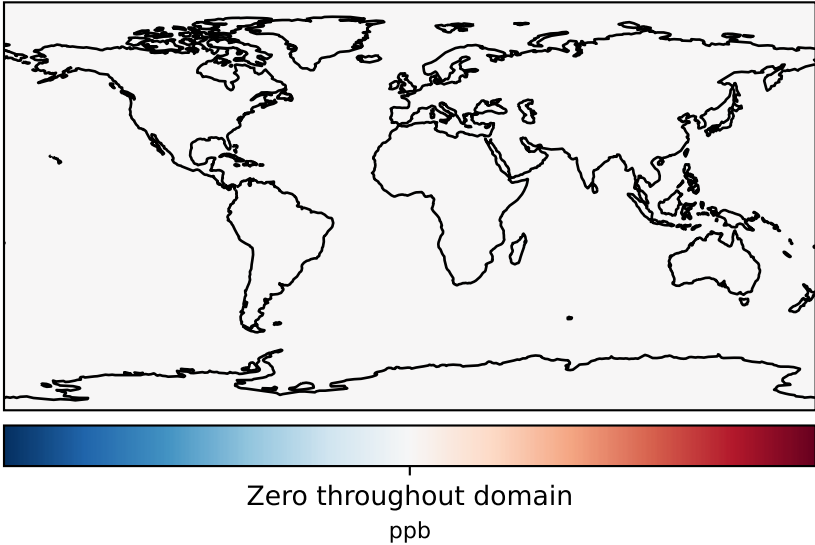
gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



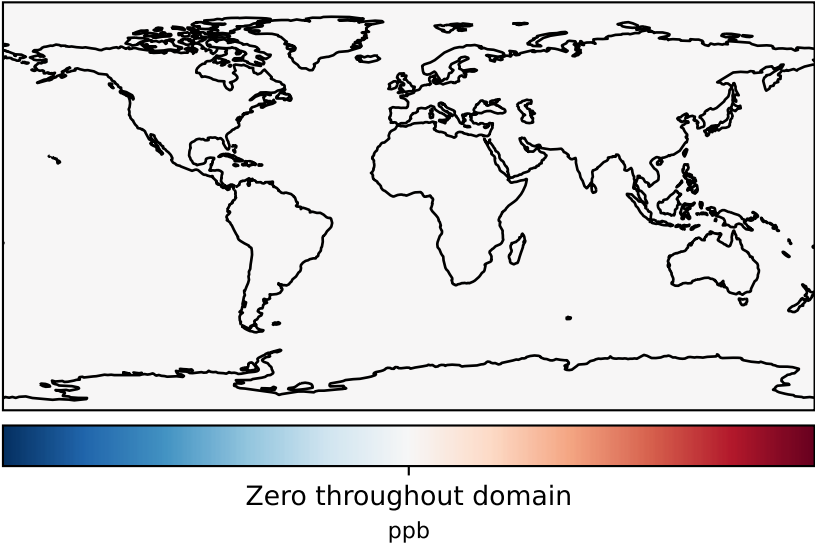
gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



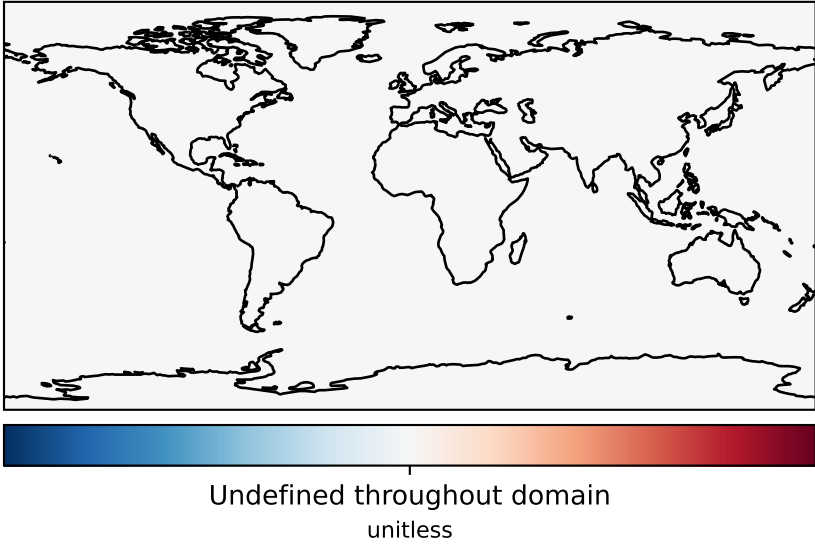
Difference (1x1.25)
Dev - Ref, Dynamic Range



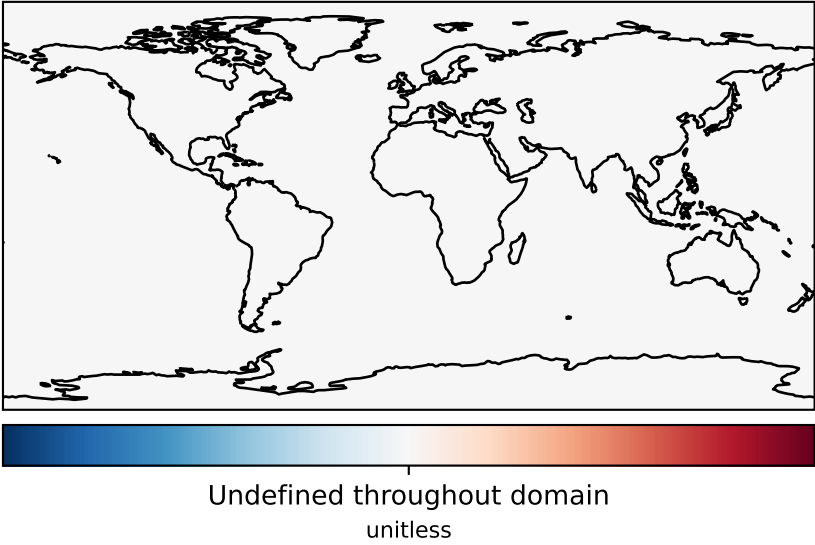
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$

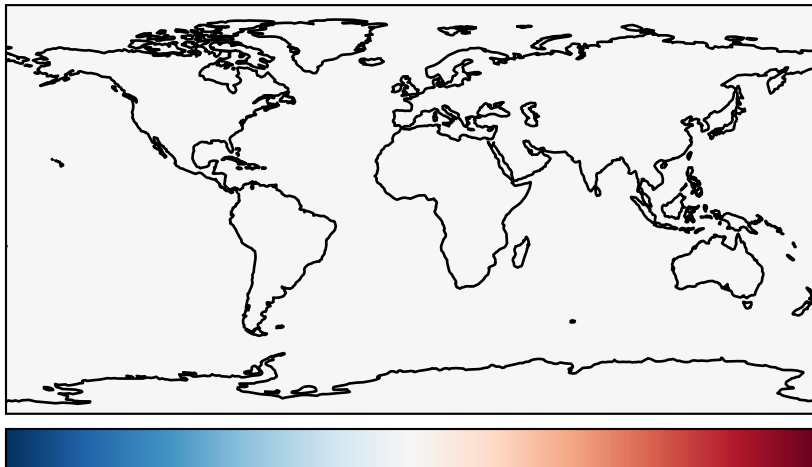


Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



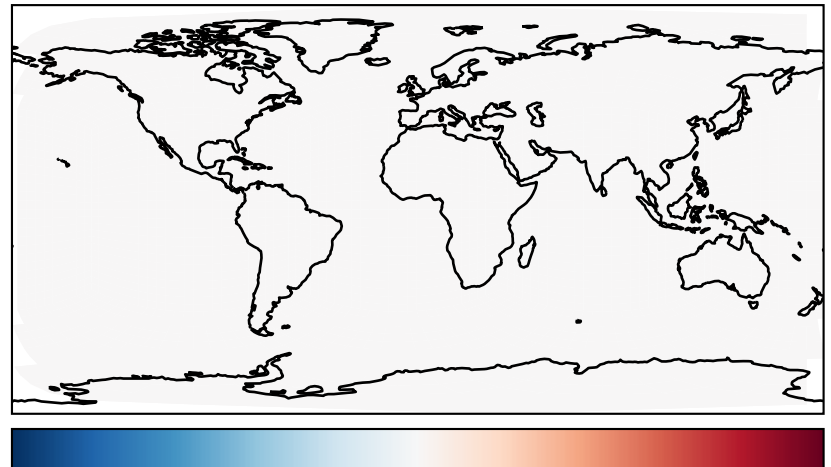
SpeciesConcVW_NPRNO3

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



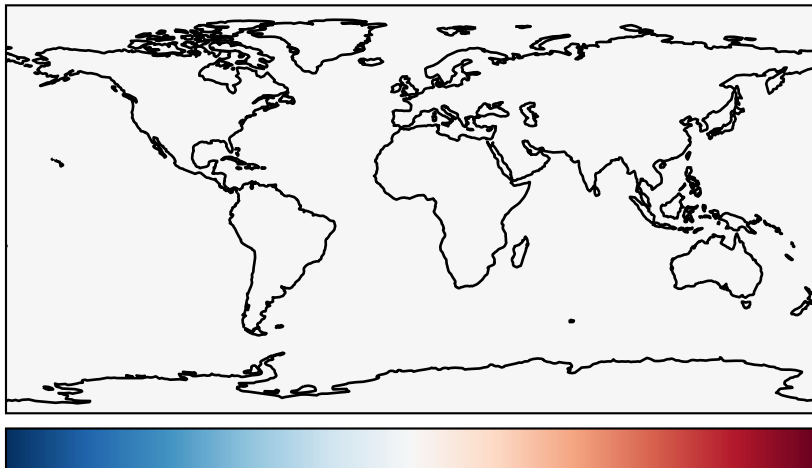
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



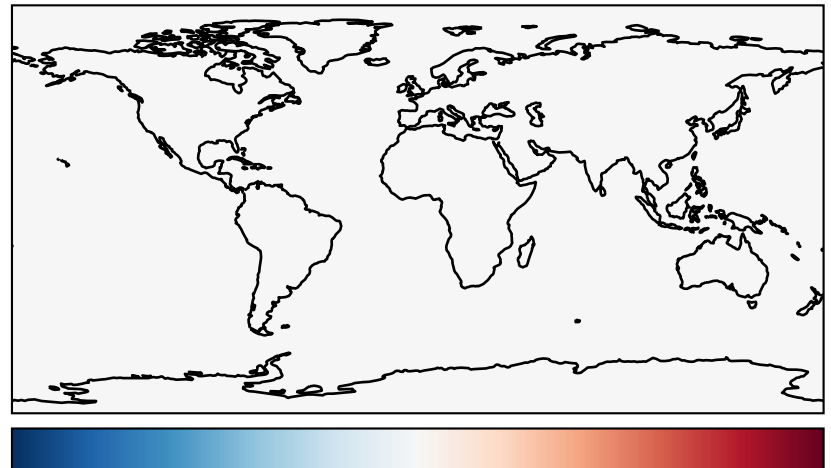
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



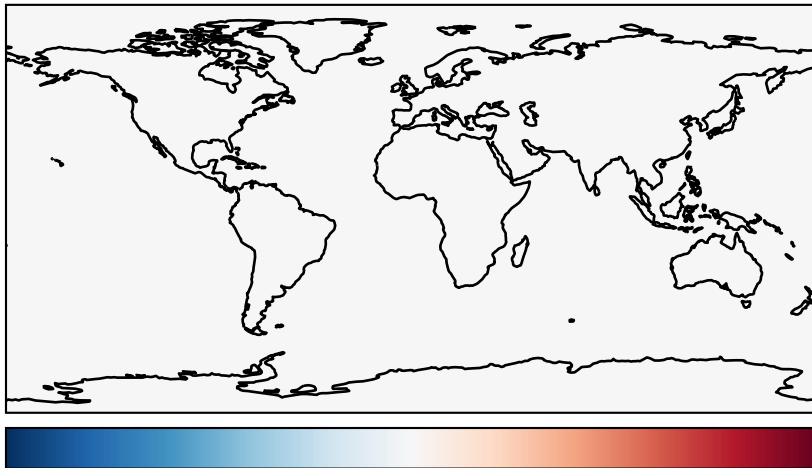
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



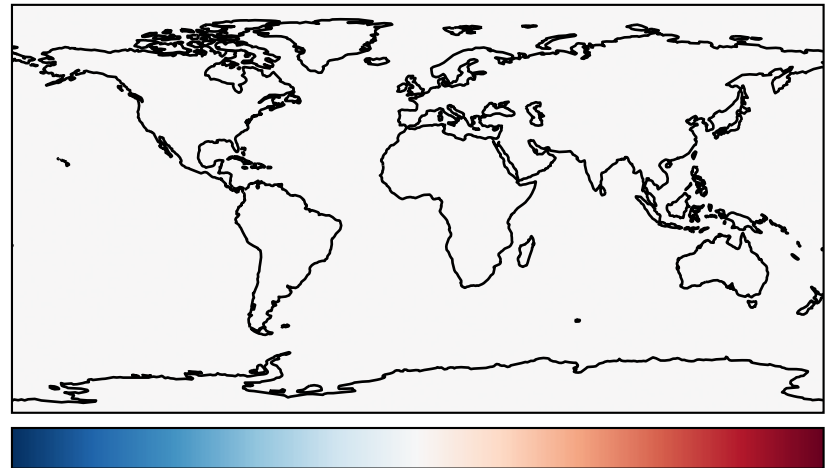
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



Undefined throughout domain
unitless

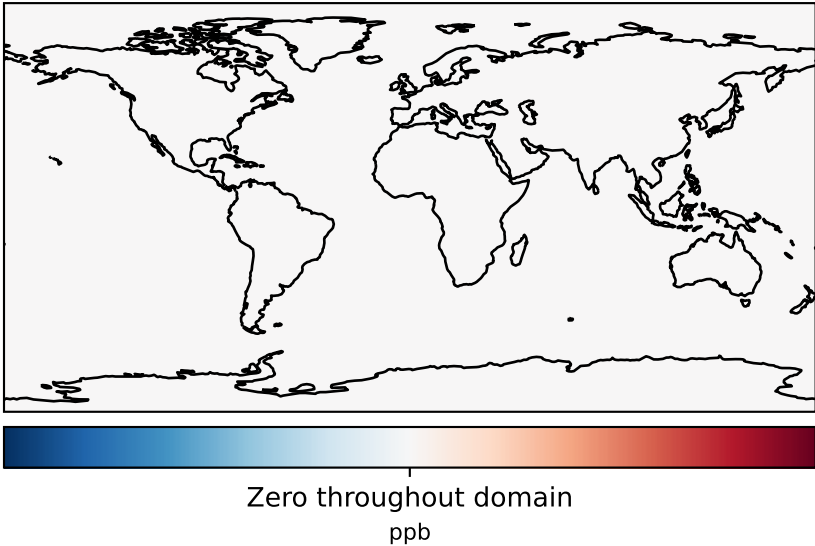
Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



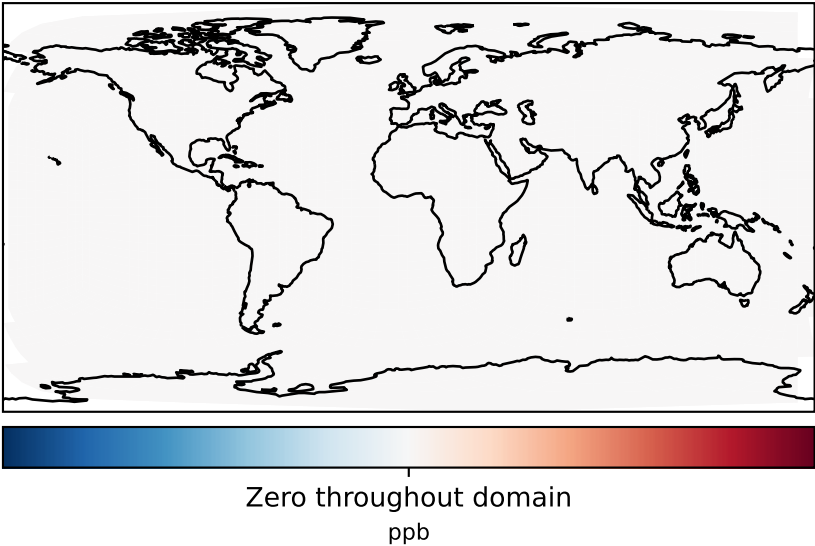
Undefined throughout domain
unitless

SpeciesConcVW_AONITA

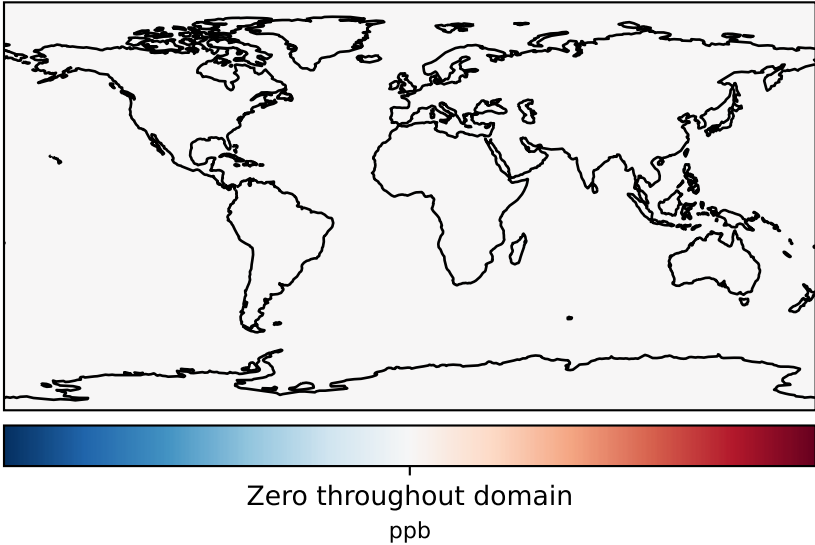
gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



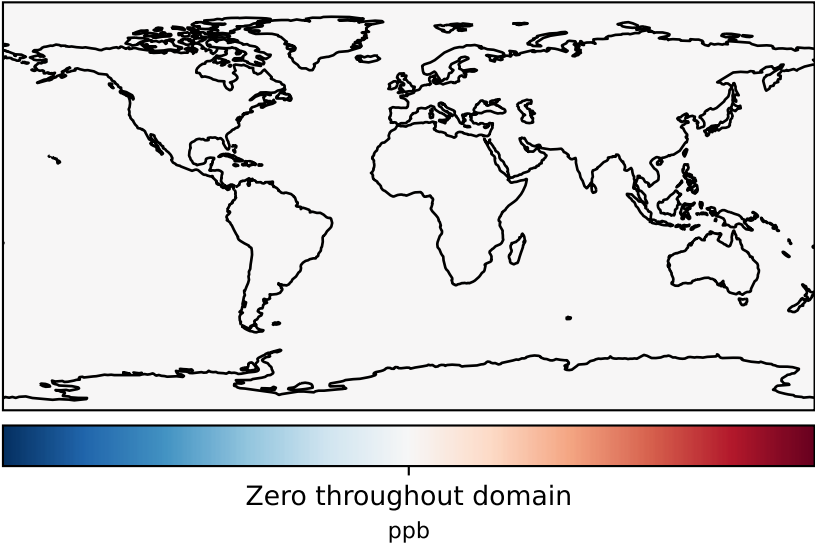
gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



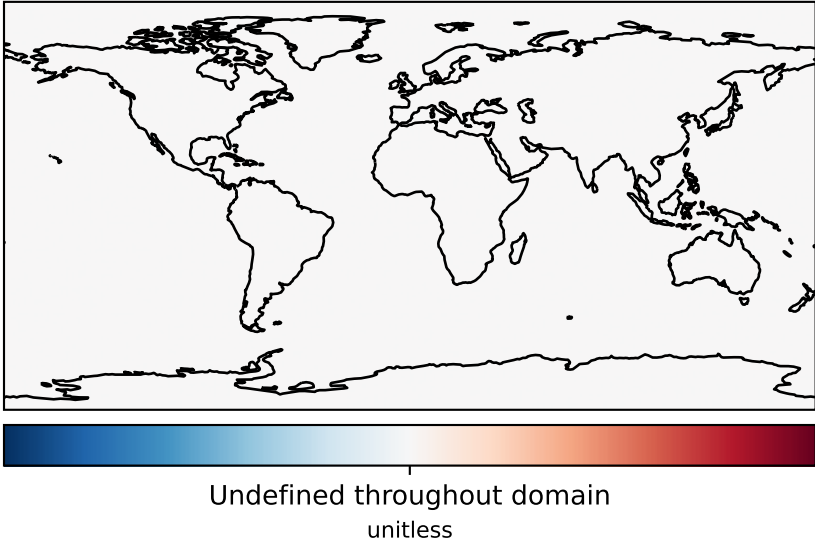
Difference (1x1.25)
Dev - Ref, Dynamic Range



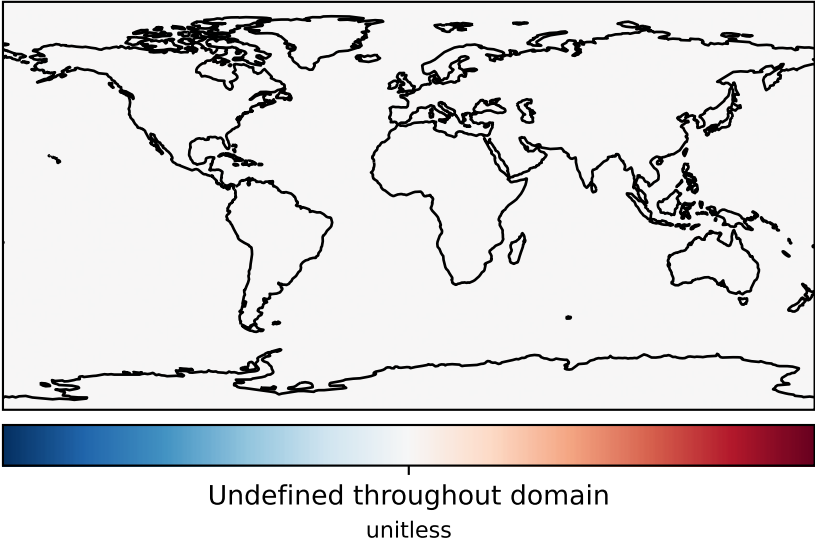
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



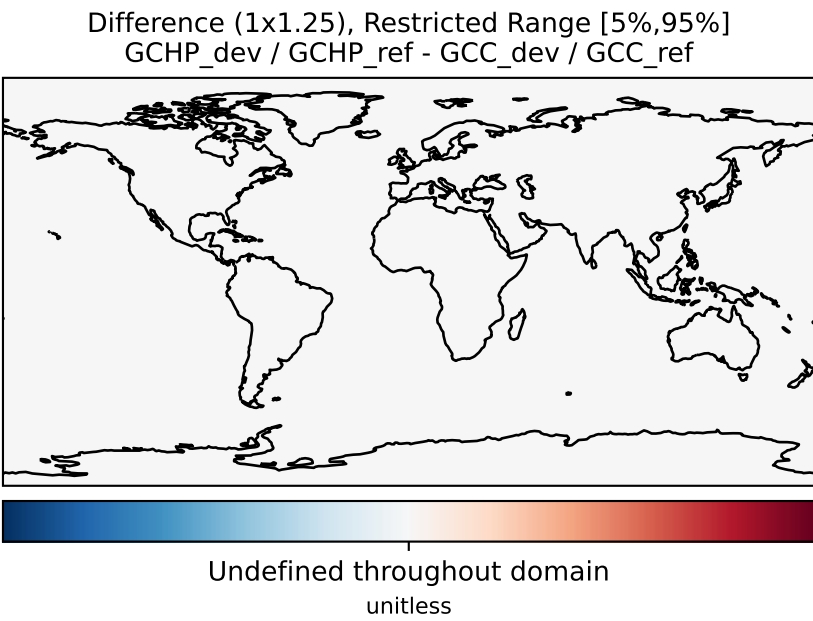
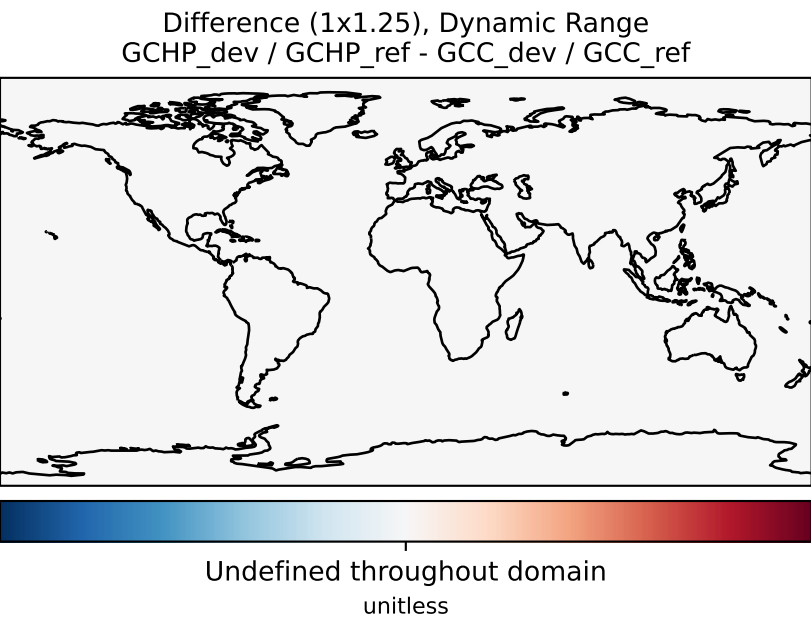
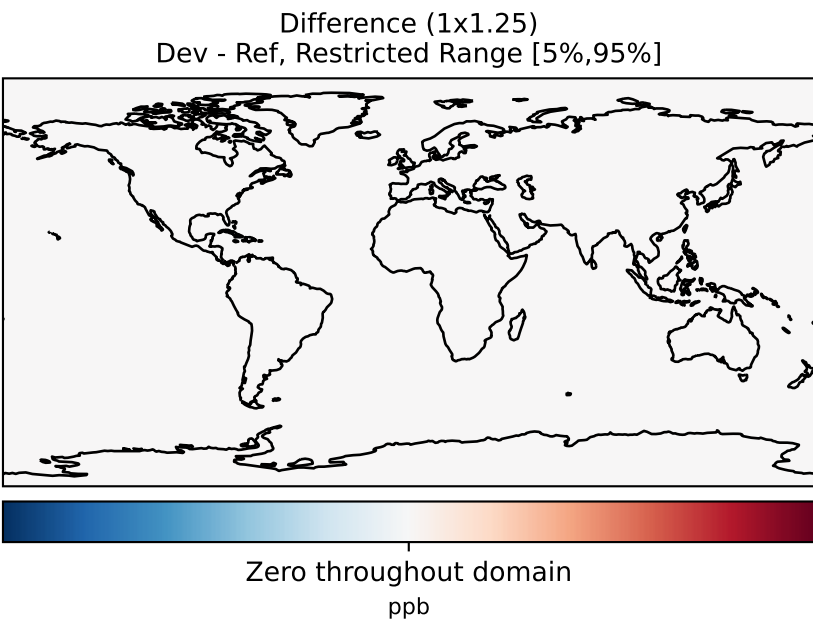
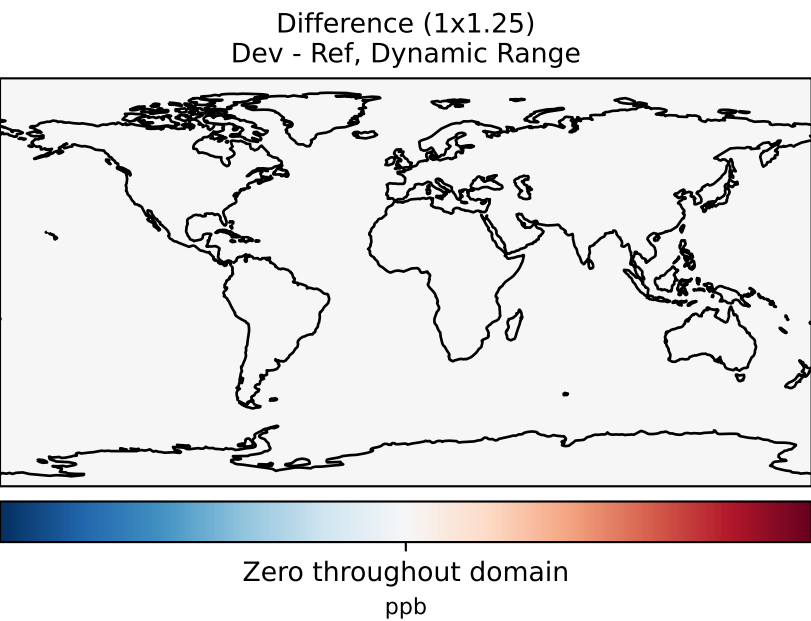
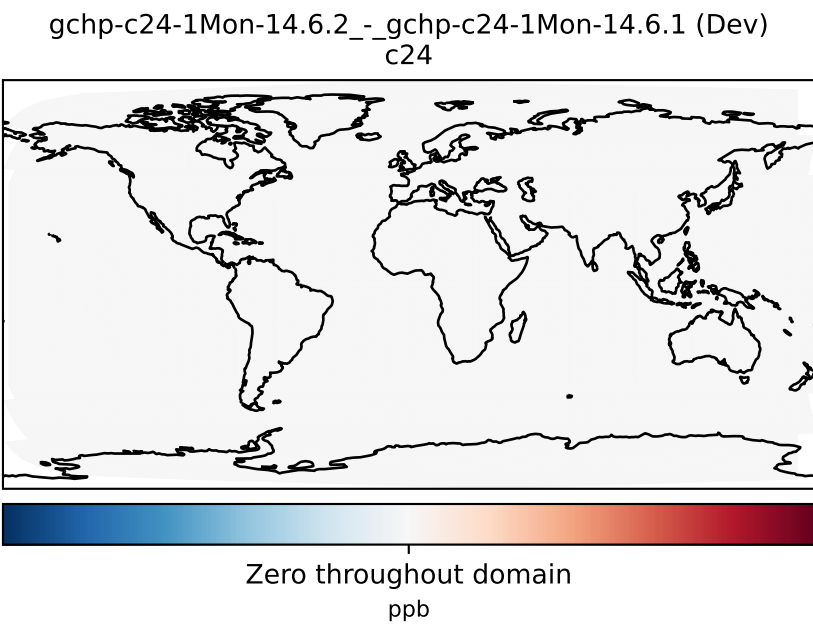
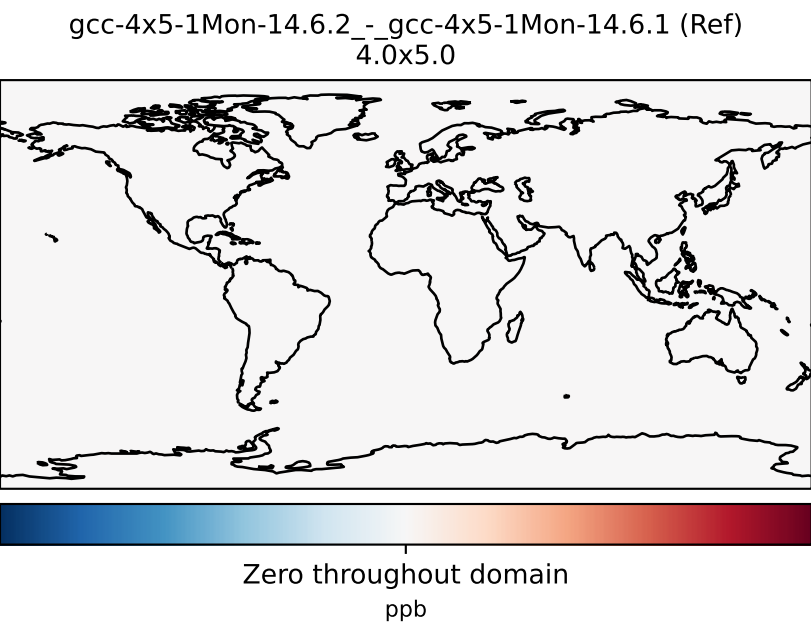
Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$

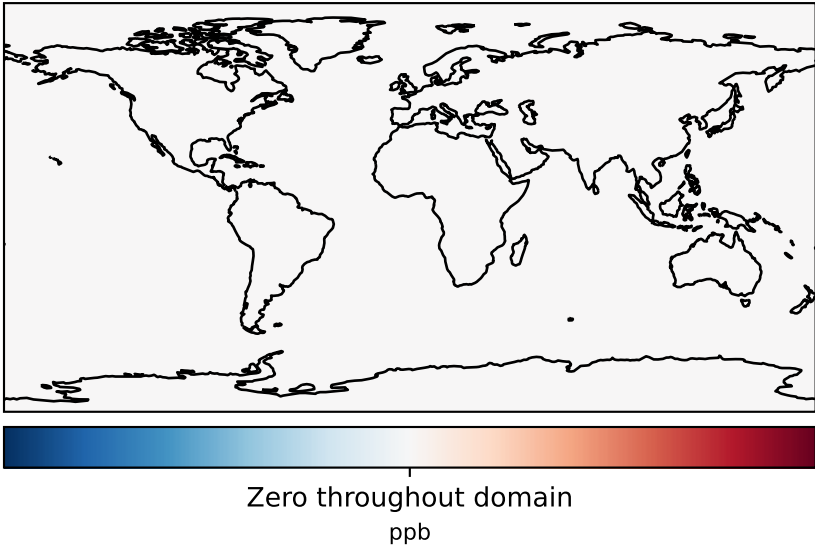


SpeciesConcVV_ETHN

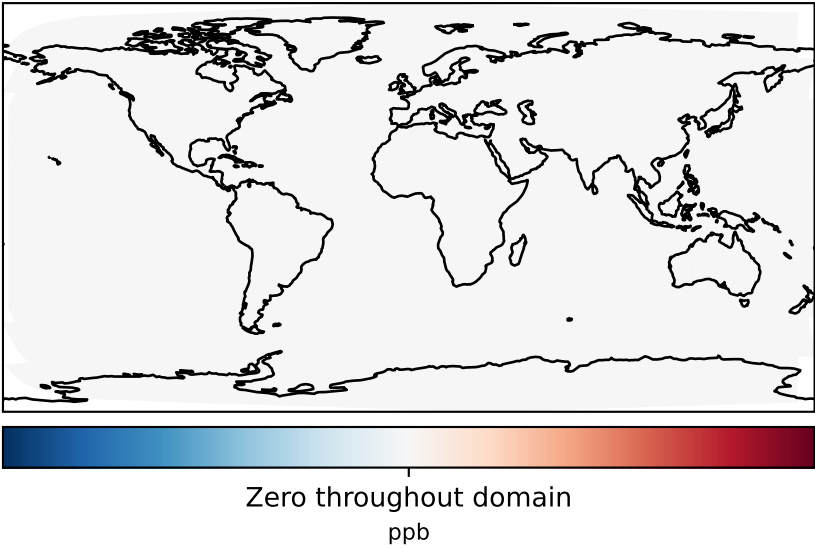


SpeciesConcVV_BZPAN

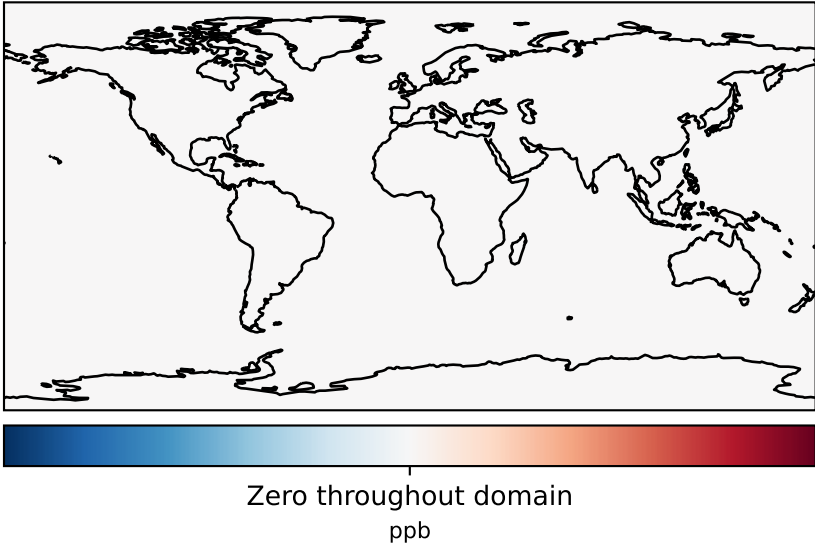
gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



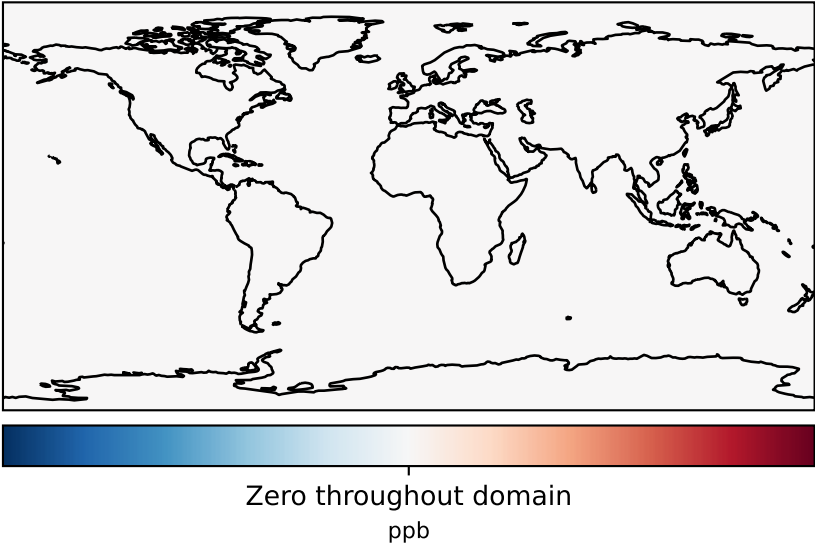
gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



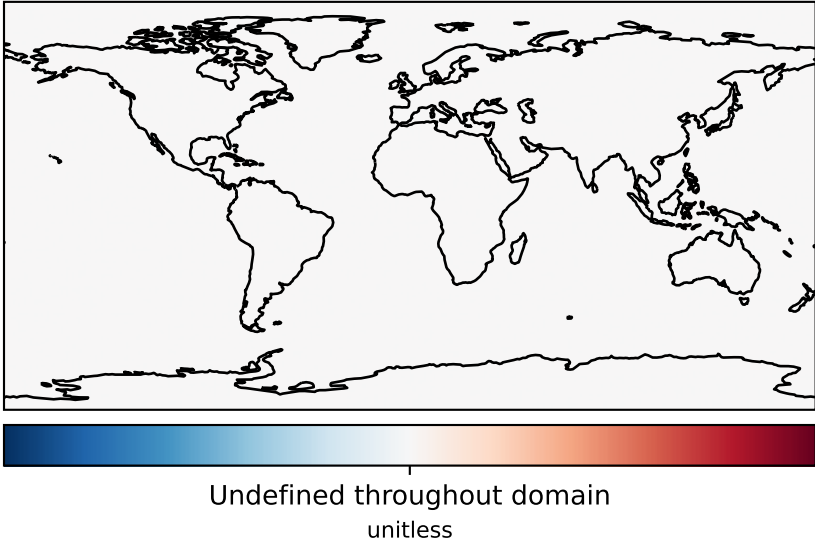
Difference (1x1.25)
Dev - Ref, Dynamic Range



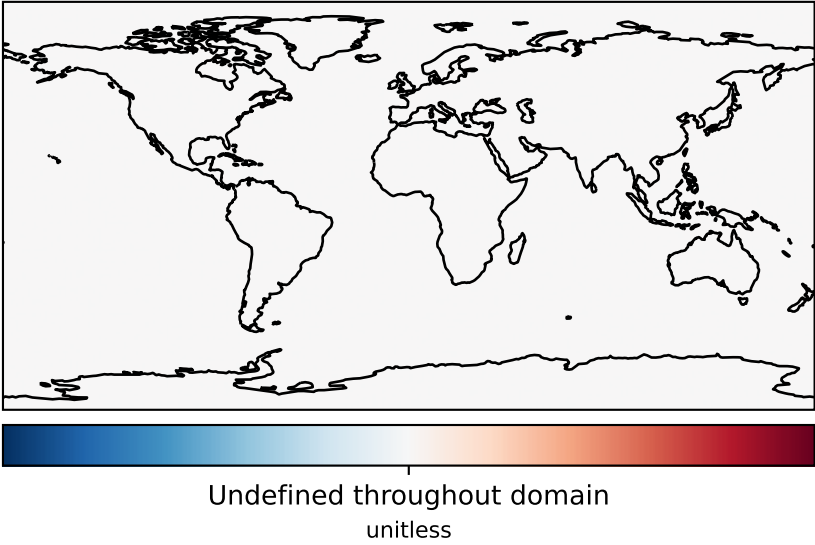
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

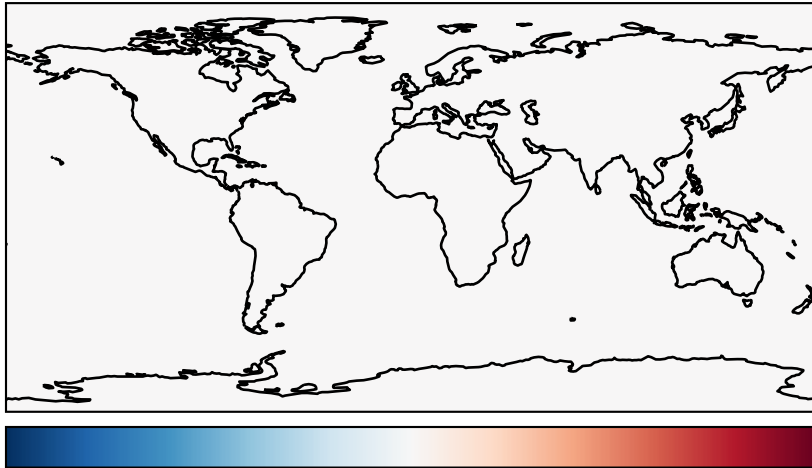


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



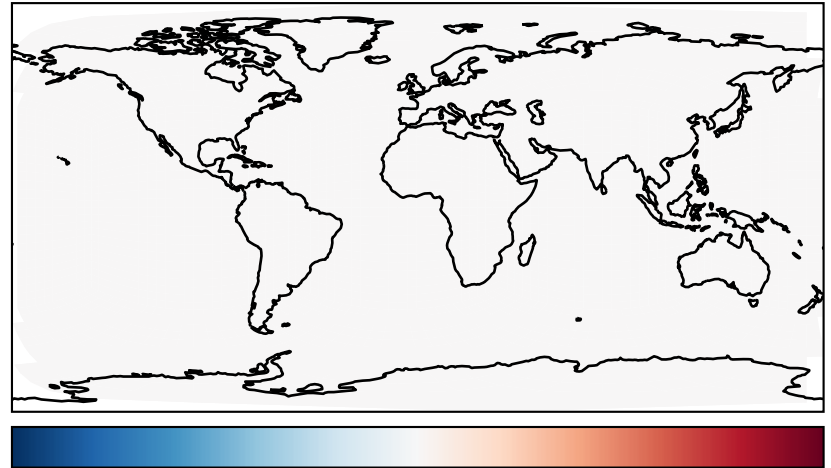
SpeciesConcVV_NPHEN

gcc-4x5-1Mon-14.6.2_-_gcc-4x5-1Mon-14.6.1 (Ref)
4.0x5.0



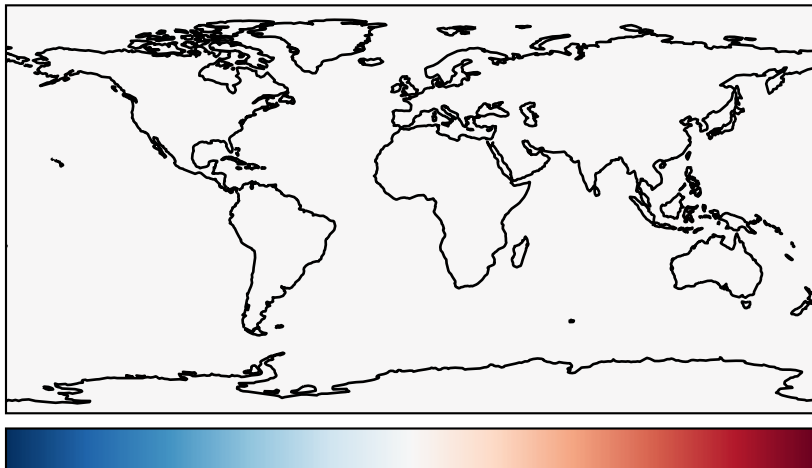
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.2_-_gchp-c24-1Mon-14.6.1 (Dev)
c24



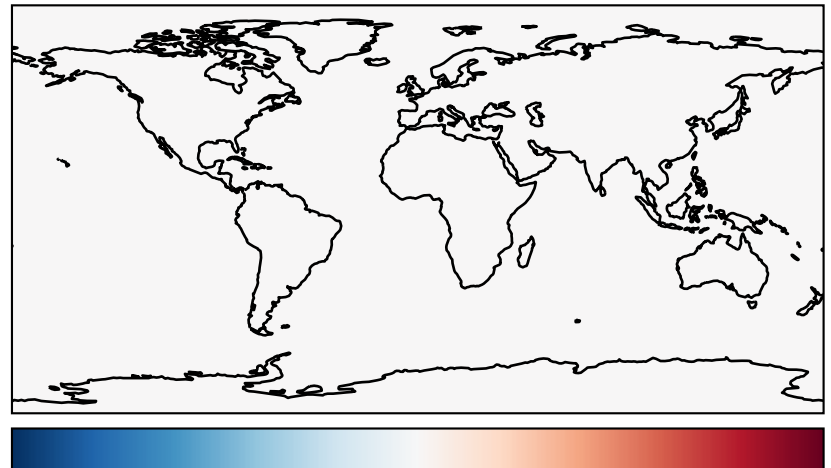
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



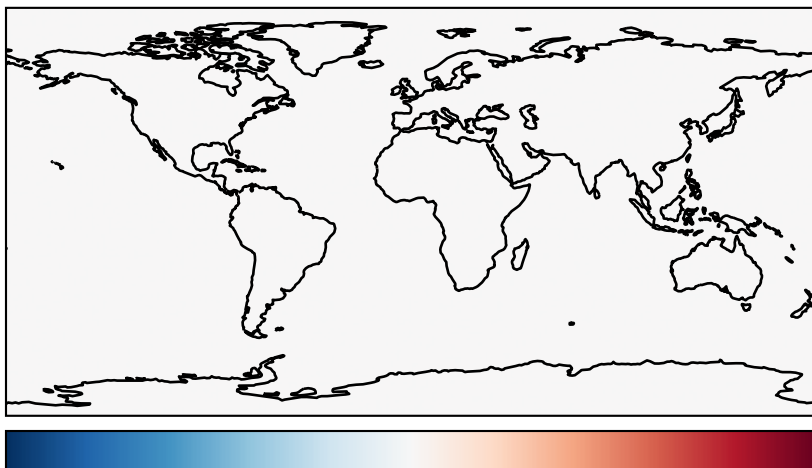
Zero throughout domain
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



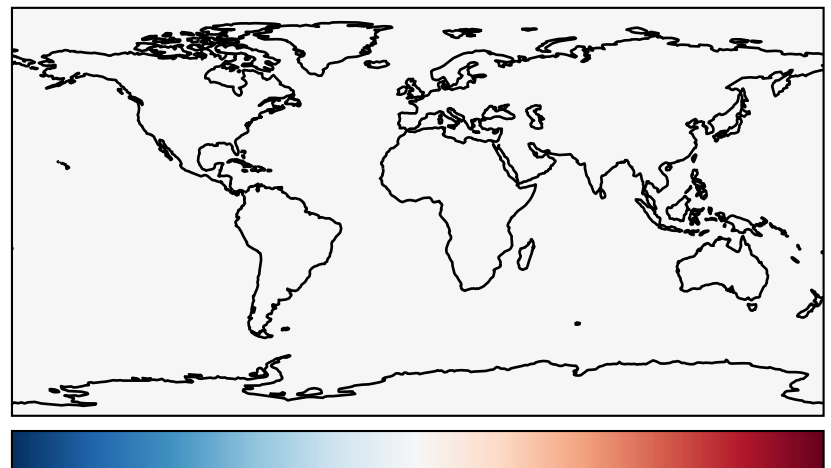
Zero throughout domain
ppb

Difference (1x1.25), Dynamic Range
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$



Undefined throughout domain
unitless

Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$



Undefined throughout domain
unitless