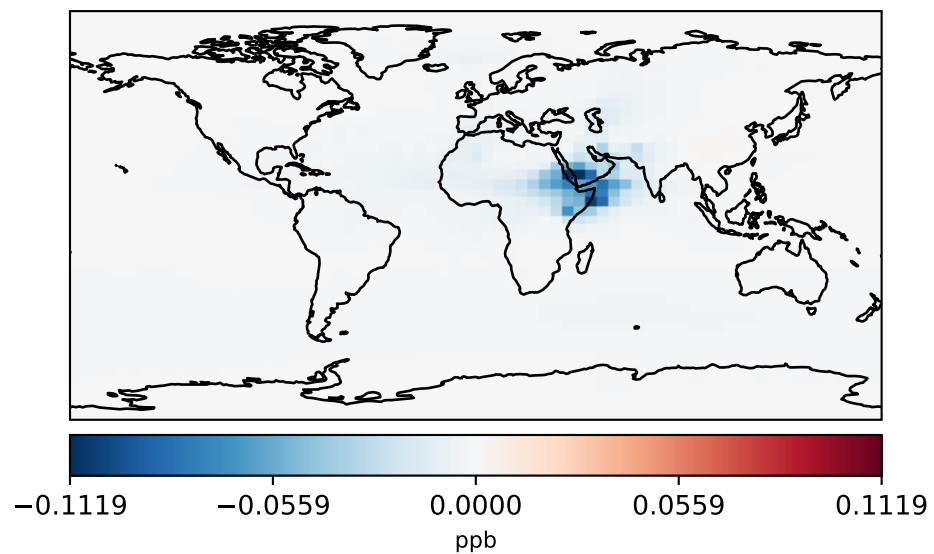
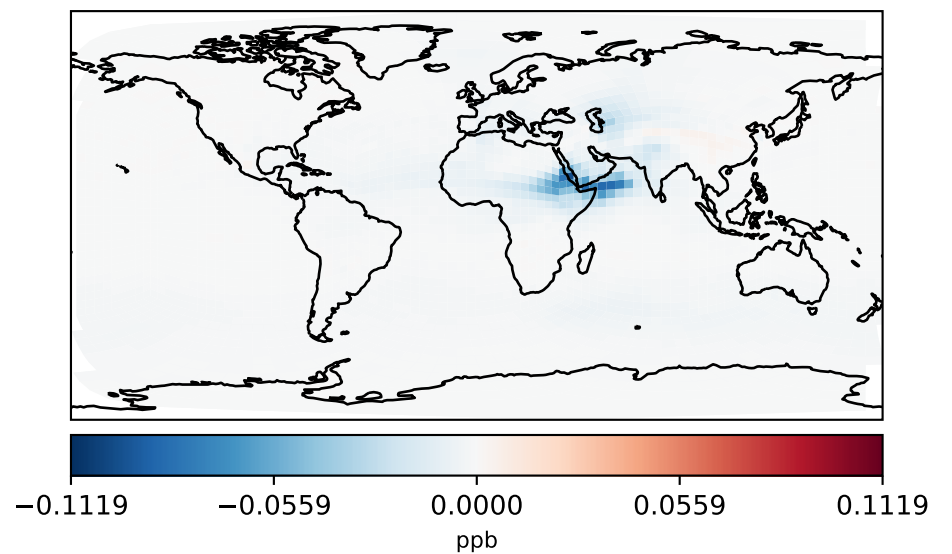


SpeciesConcVV_NOy

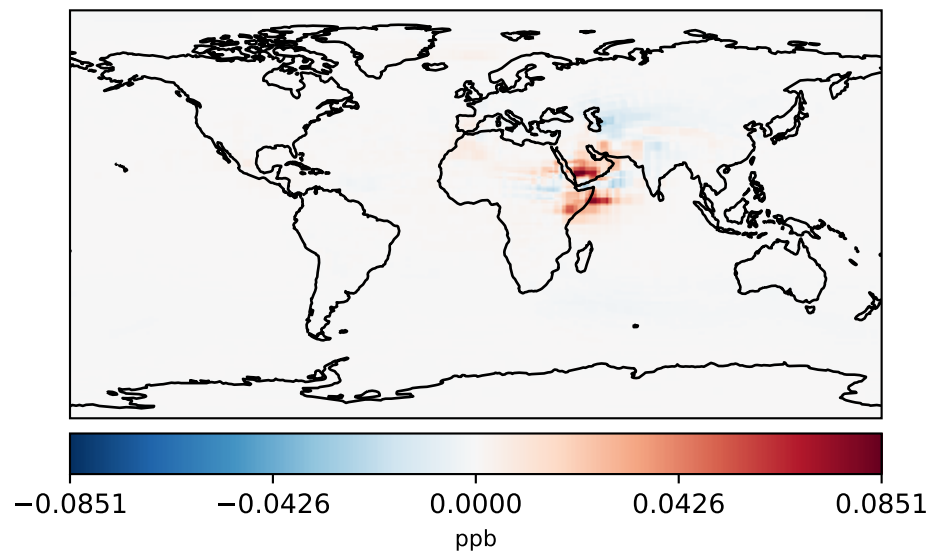
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



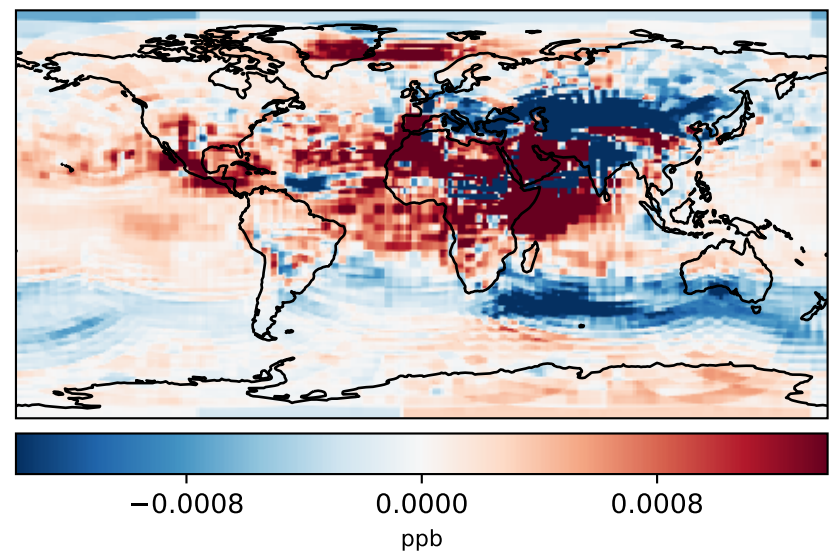
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



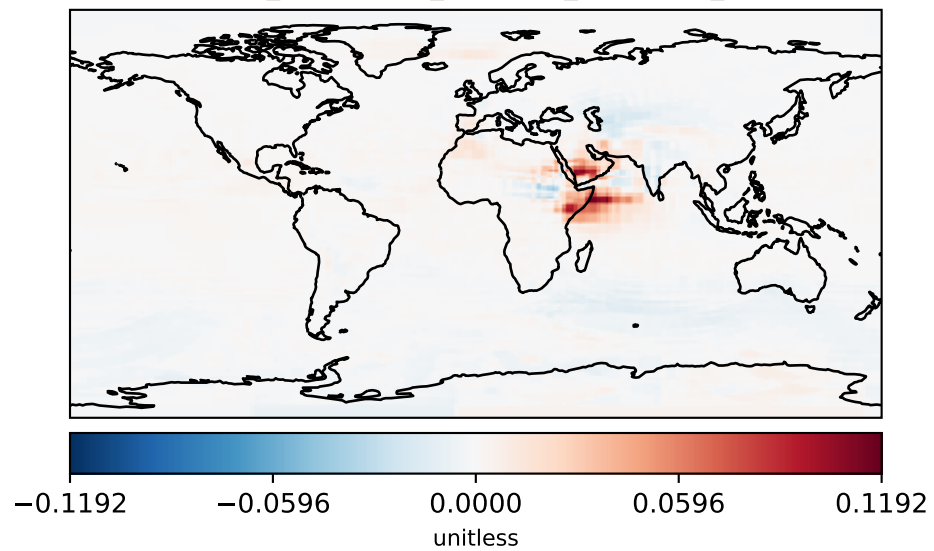
Difference (1x1.25)
Dev - Ref, Dynamic Range



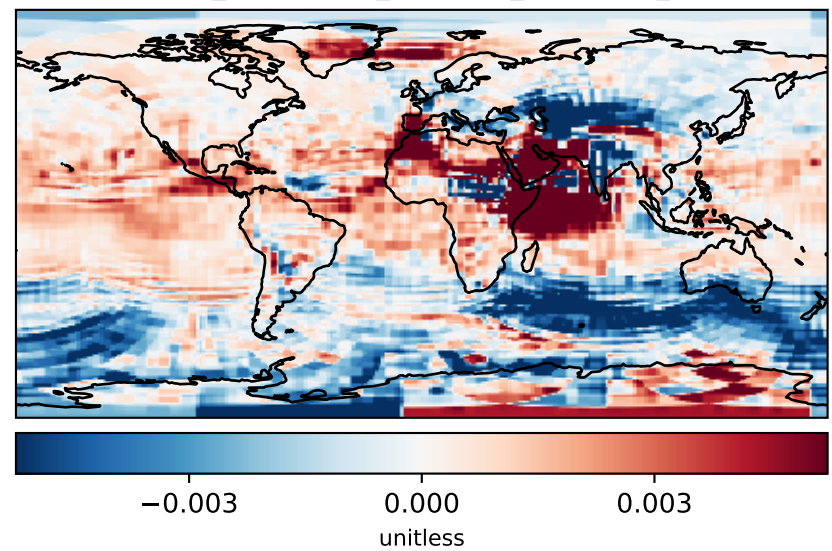
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

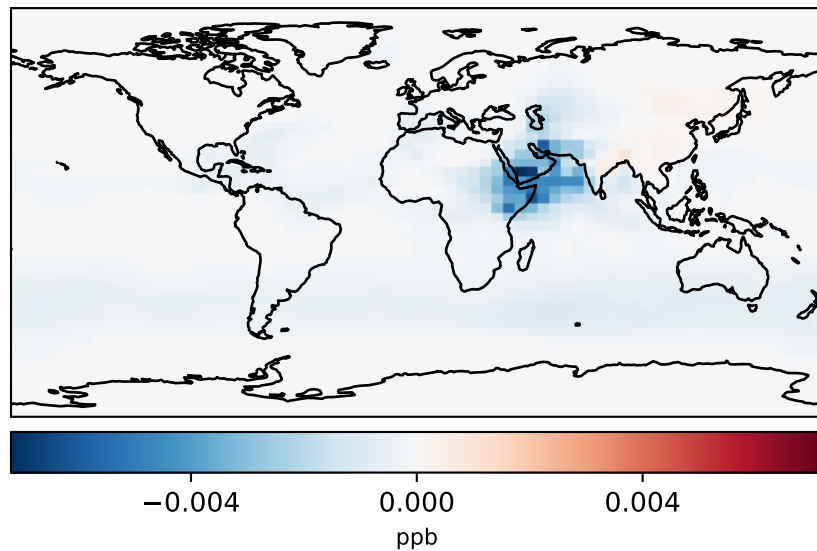


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

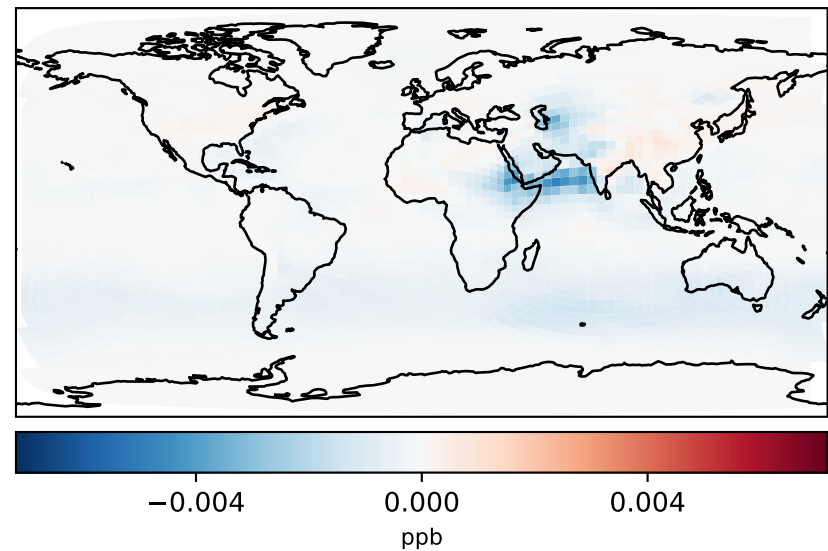


SpeciesConcVV_NOx

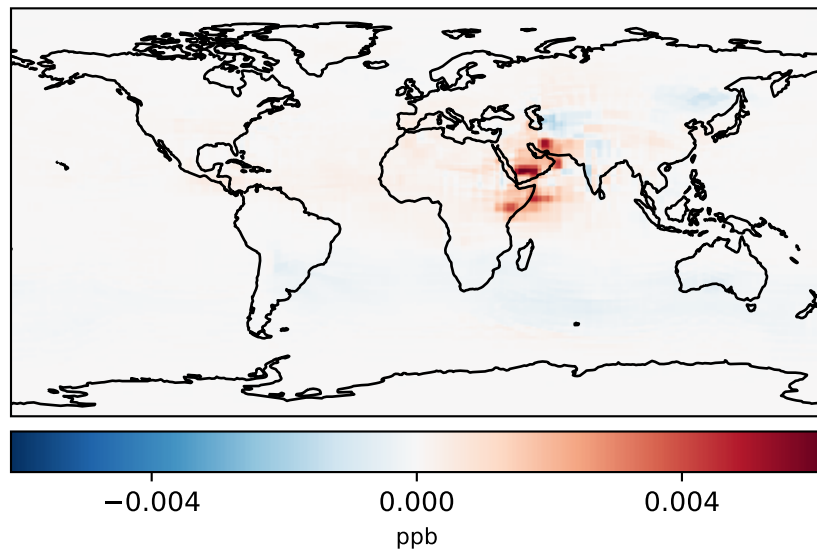
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



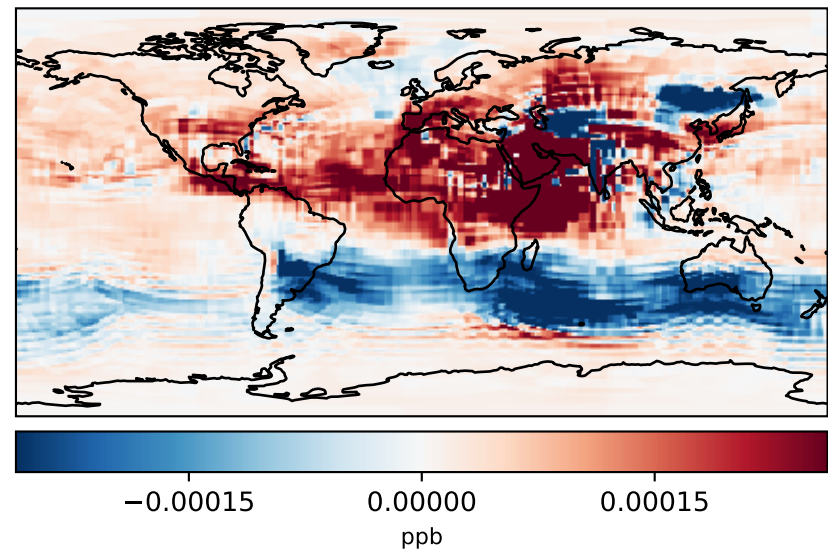
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



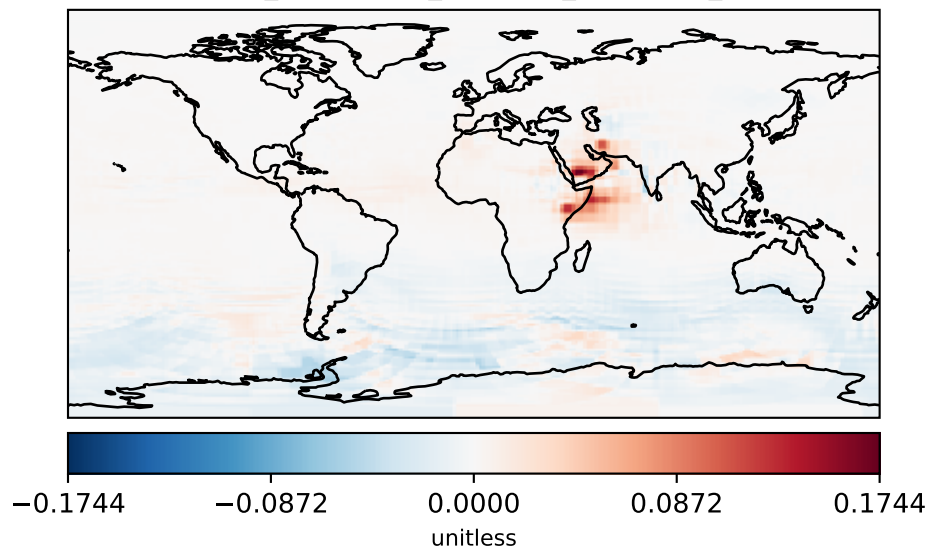
Difference (1x1.25)
Dev - Ref, Dynamic Range



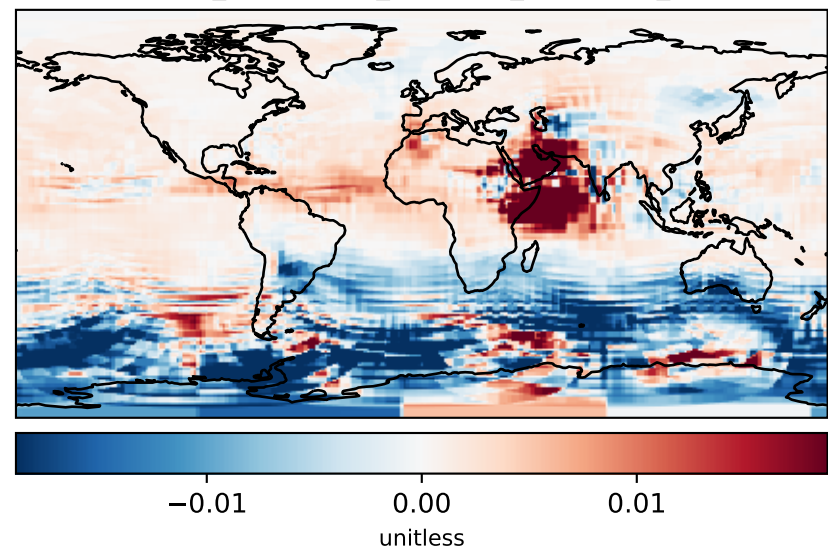
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

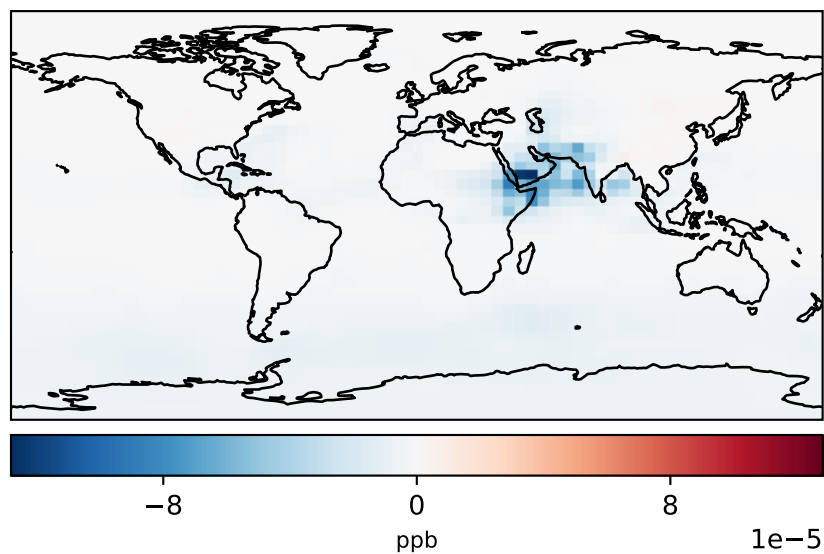


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

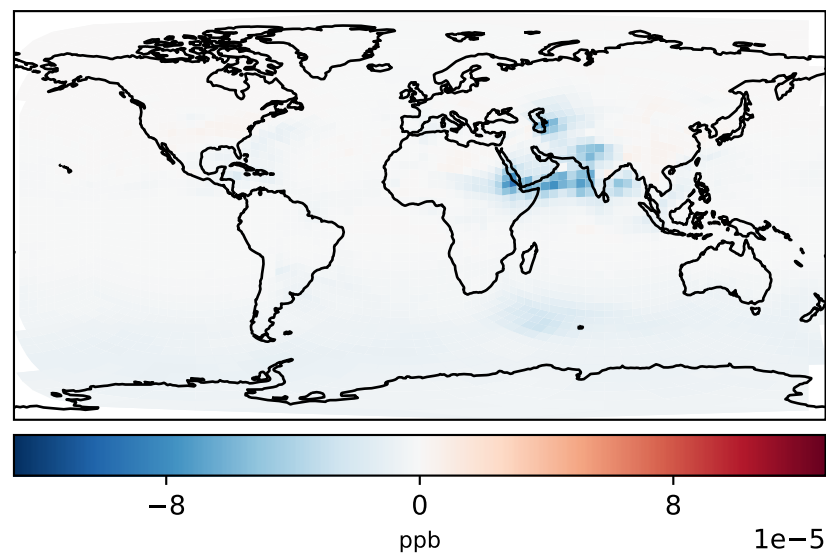


SpeciesConcVV_HNO2

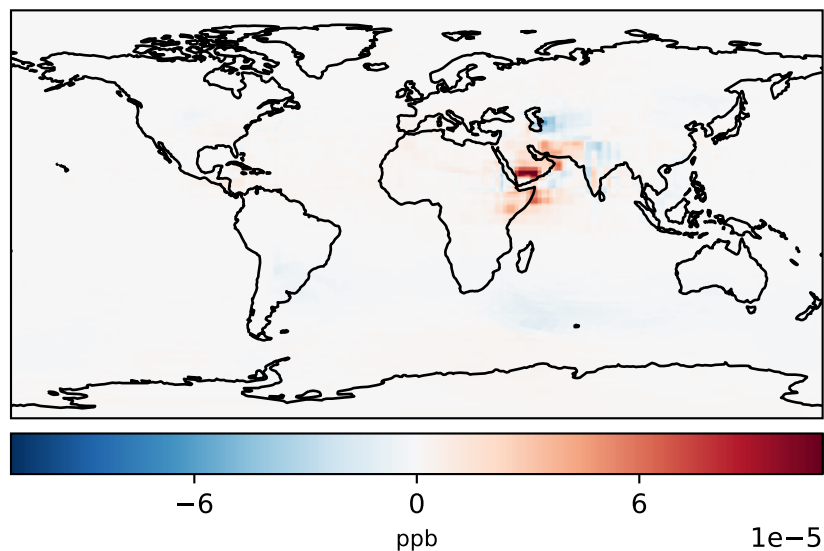
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



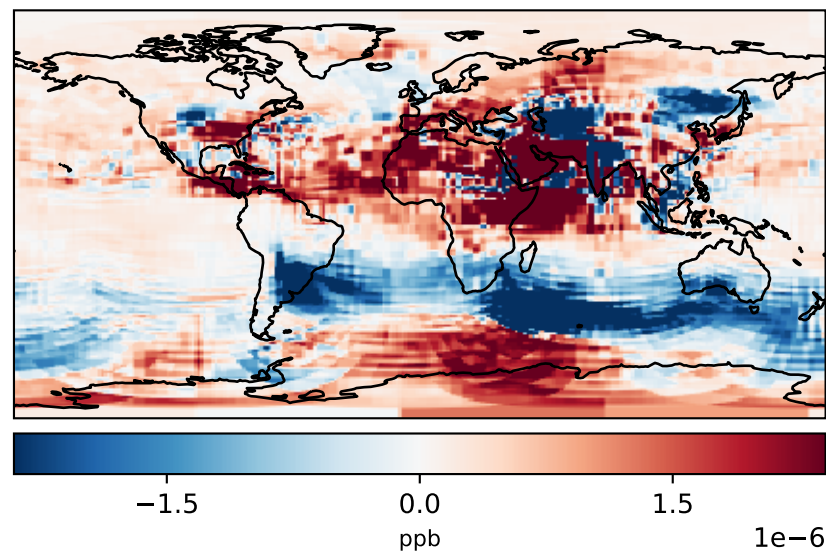
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



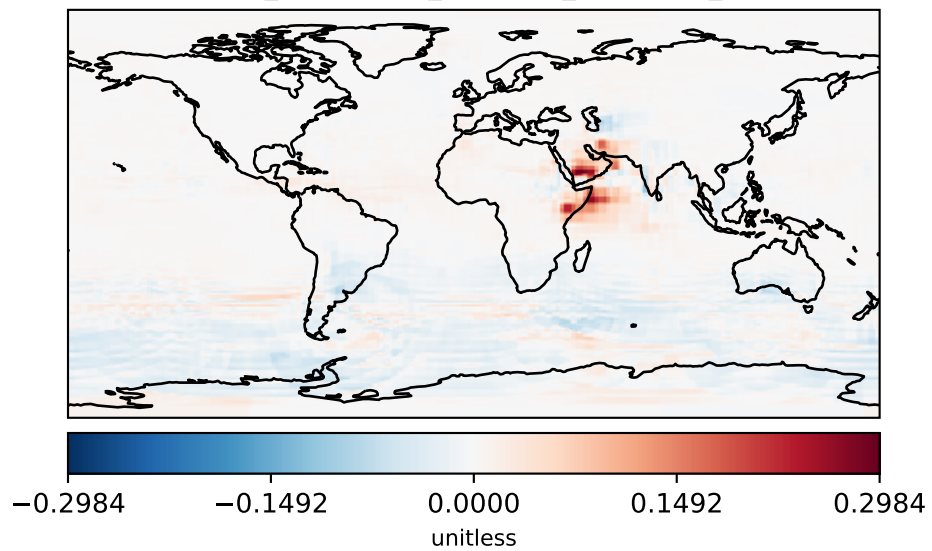
Difference (1x1.25)
Dev - Ref, Dynamic Range



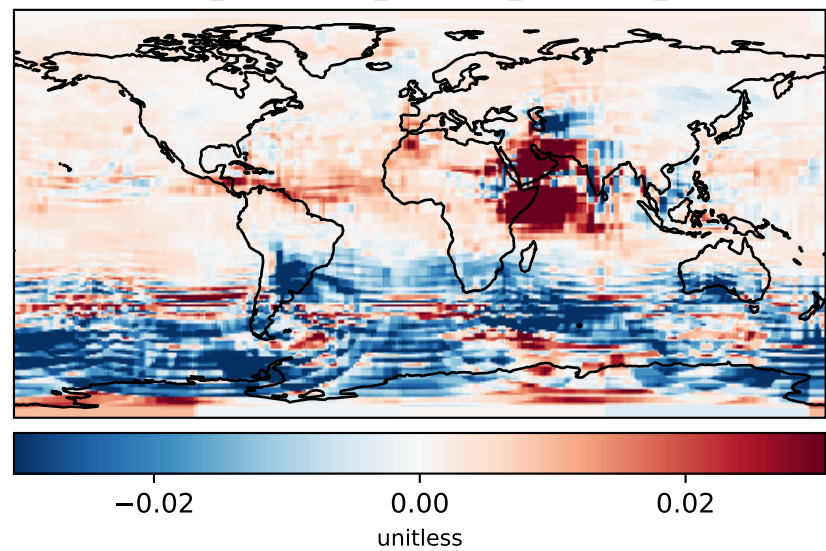
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

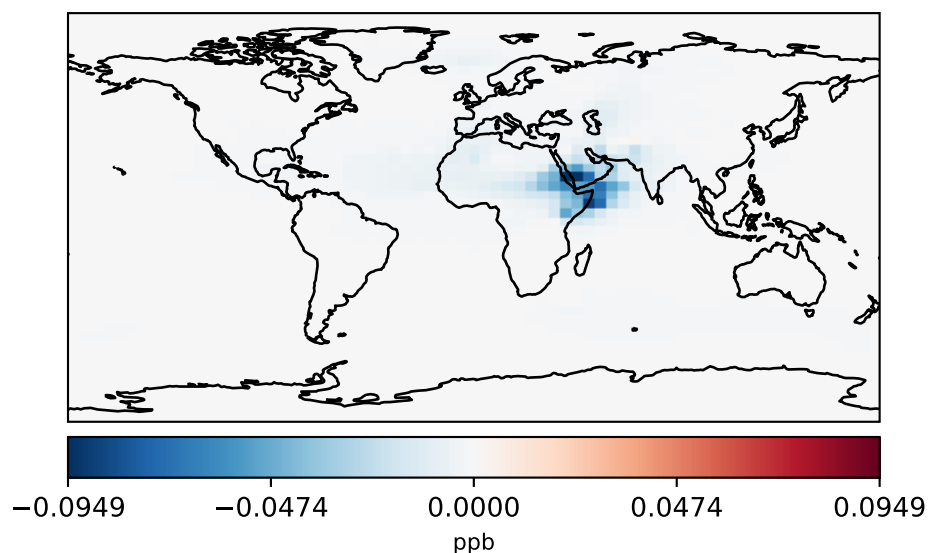


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

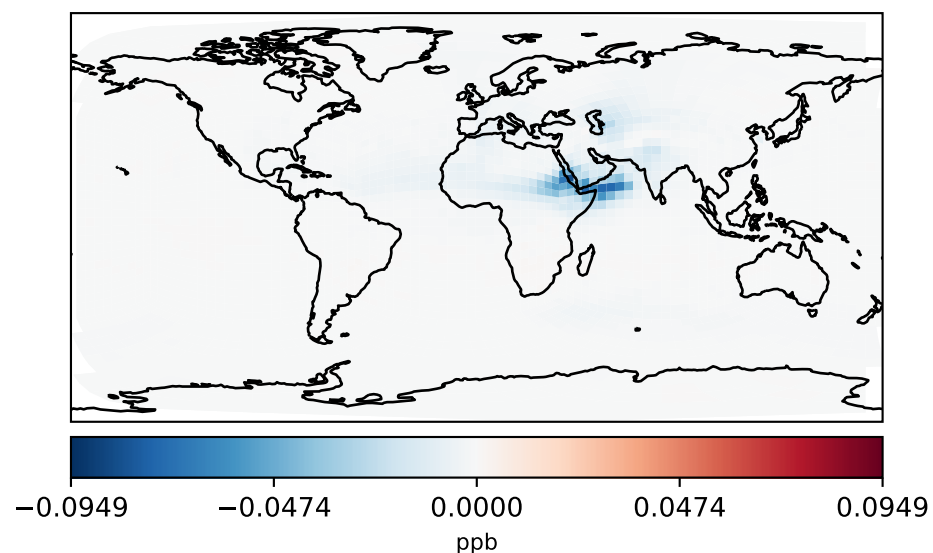


SpeciesConcVV_HNO3

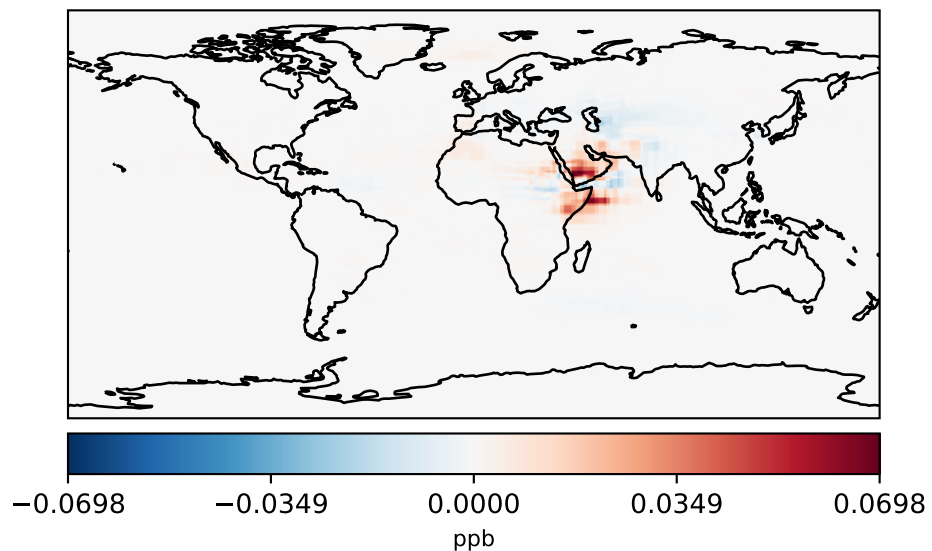
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



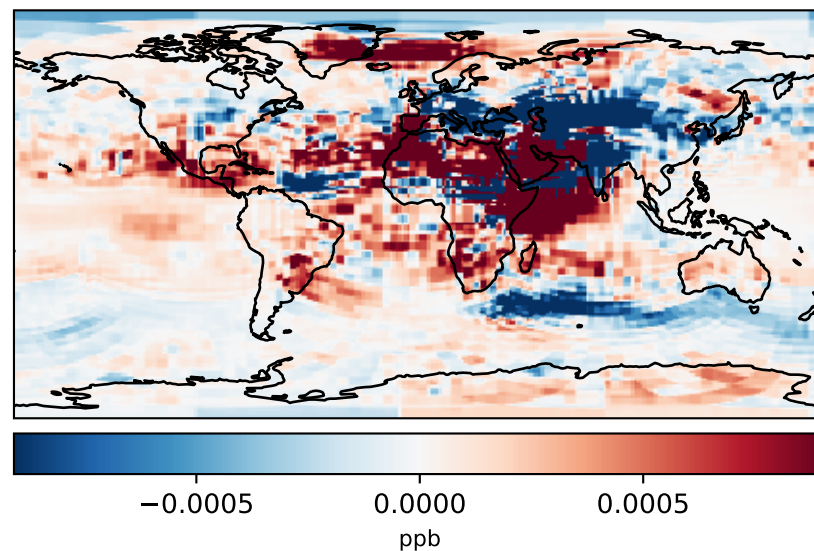
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



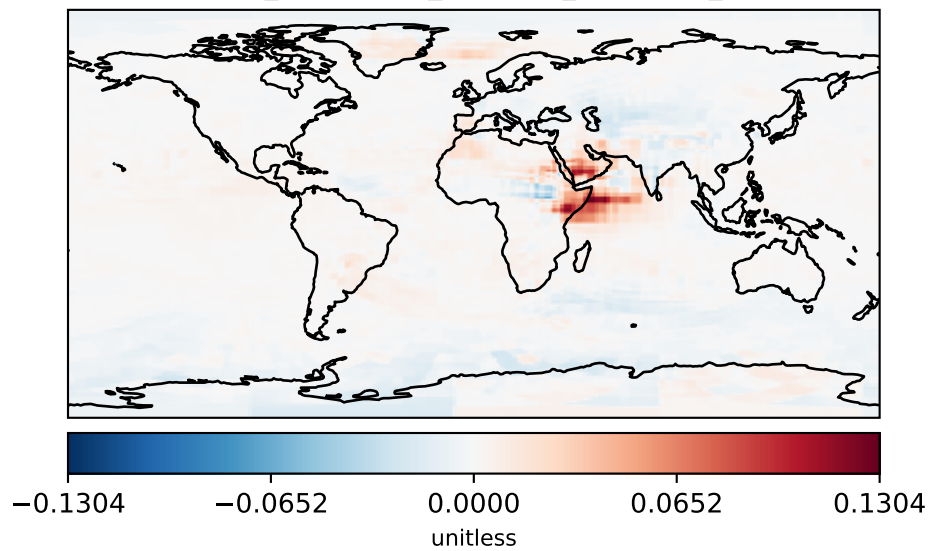
Difference (1x1.25)
Dev - Ref, Dynamic Range



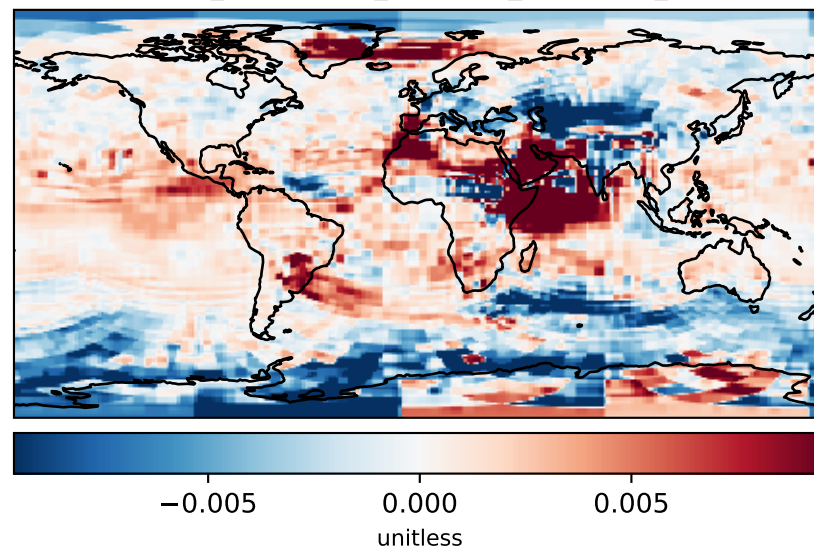
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

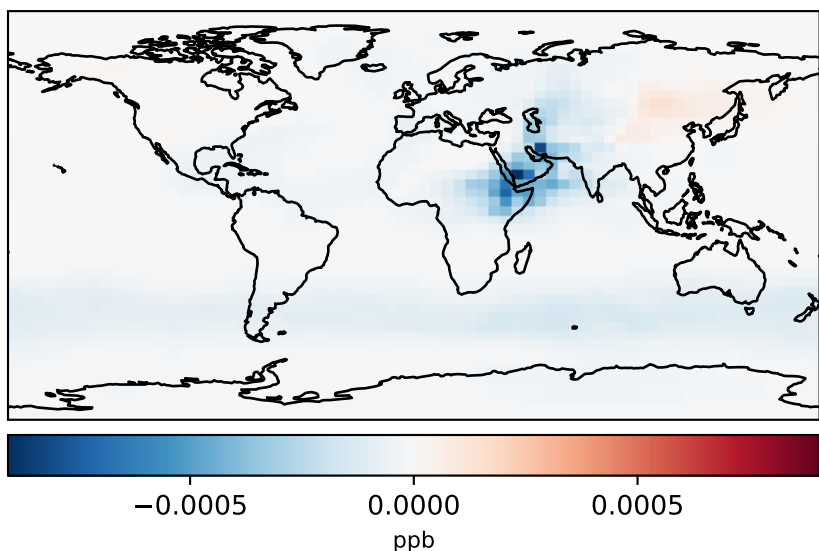


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

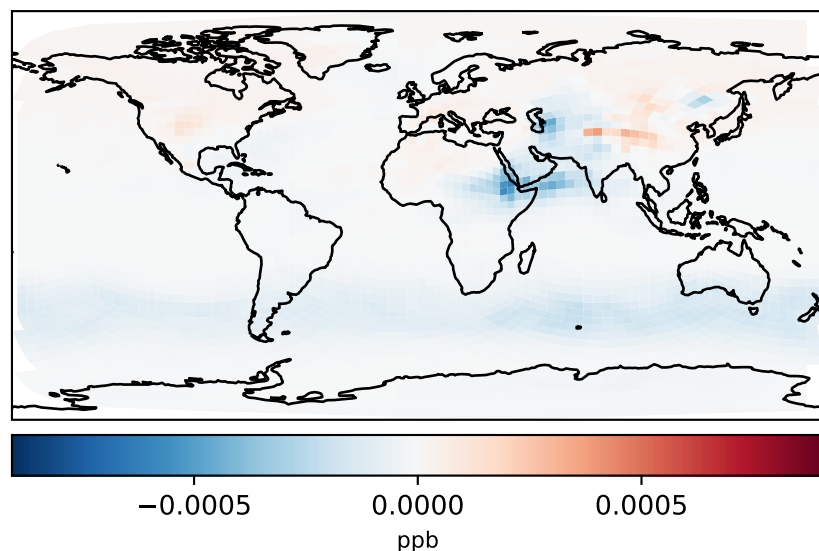


SpeciesConcVV_HNO4

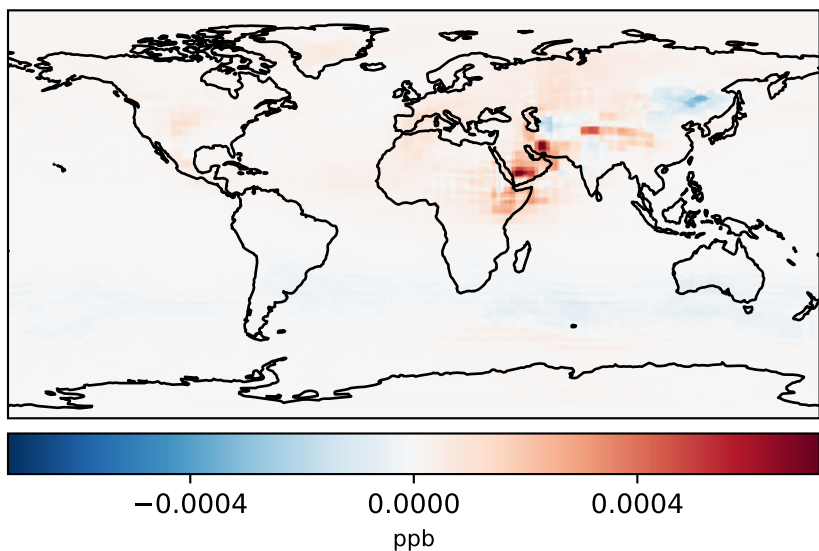
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



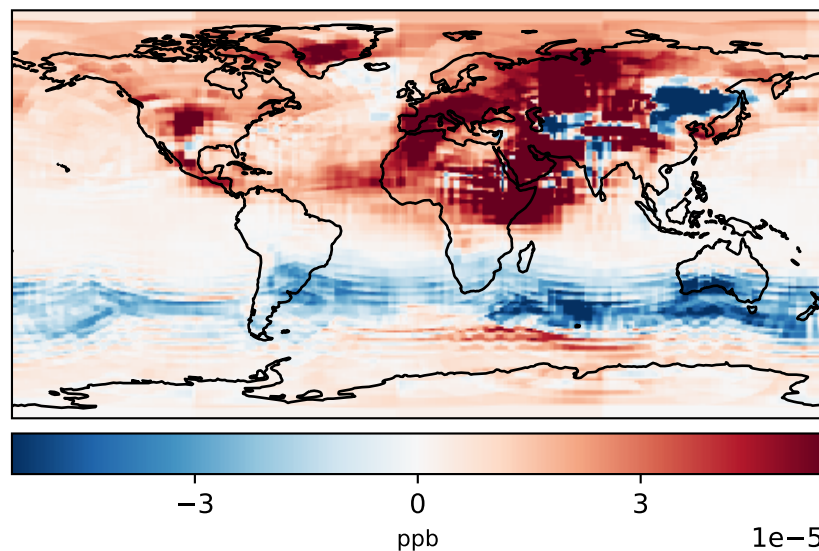
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



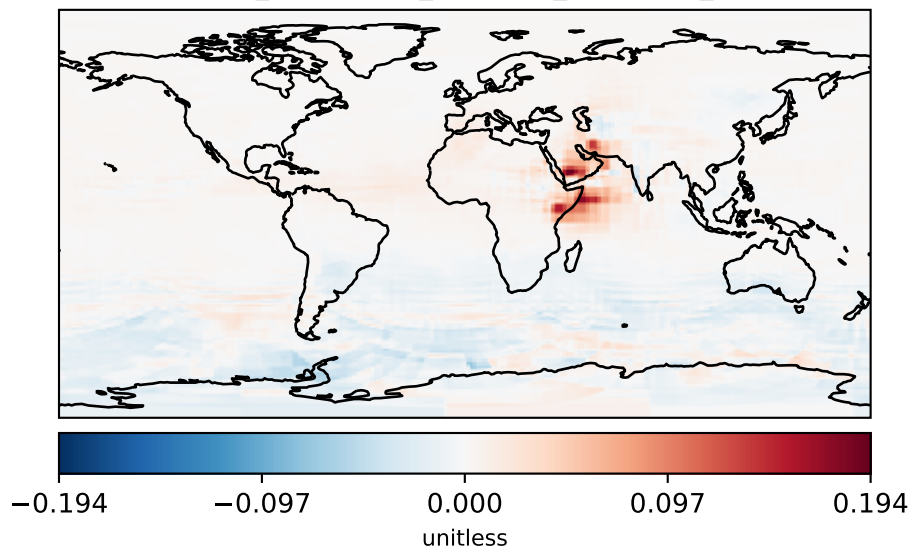
Difference (1x1.25)
Dev - Ref, Dynamic Range



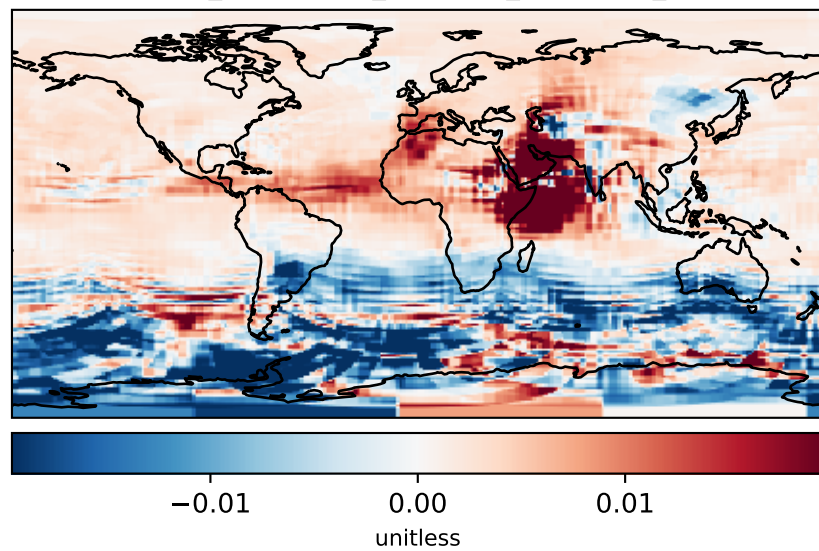
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

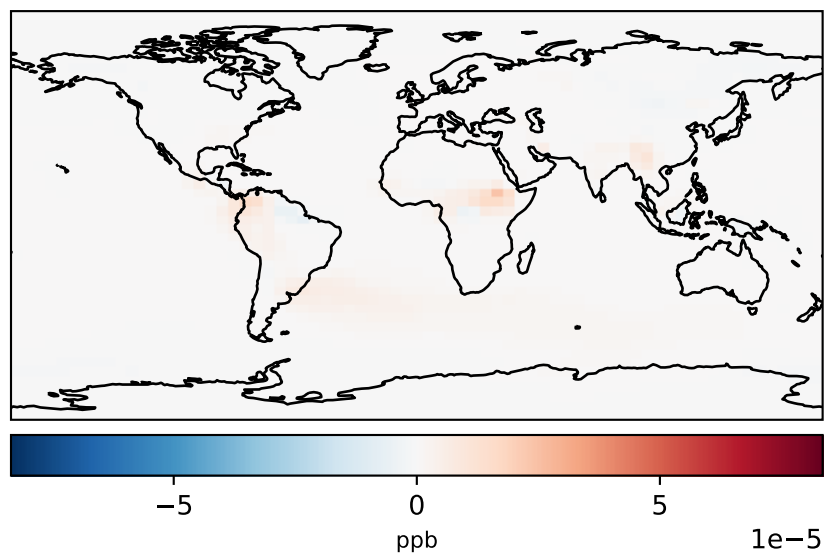


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

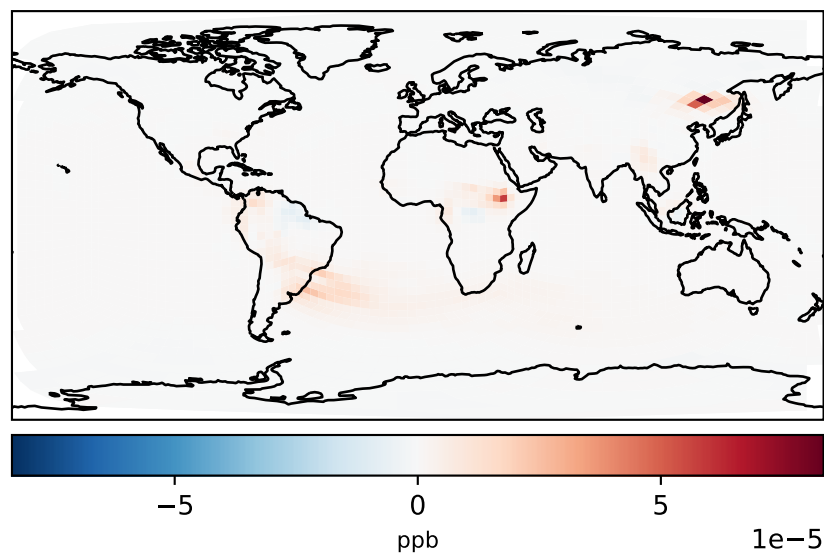


SpeciesConcVV_MPAN

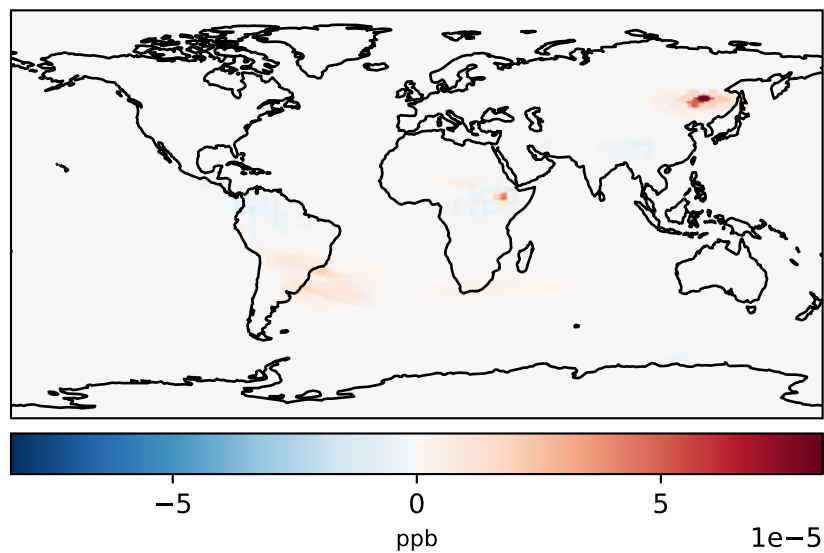
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



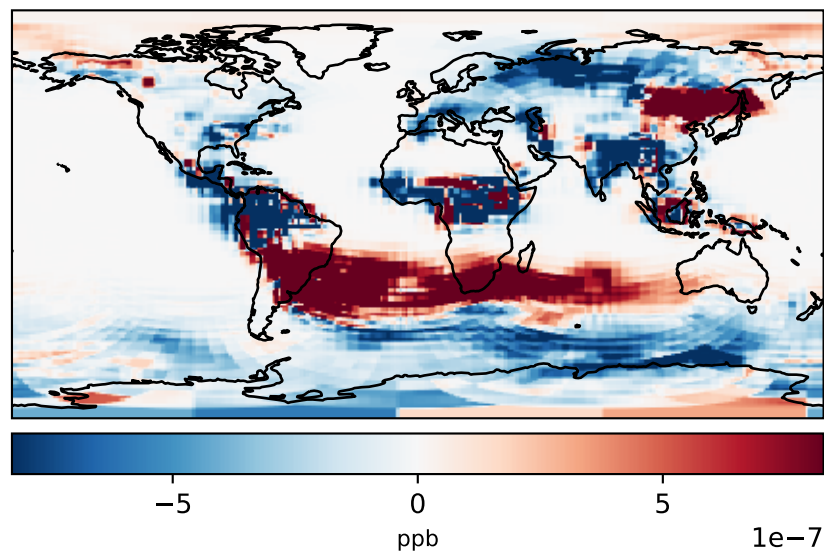
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



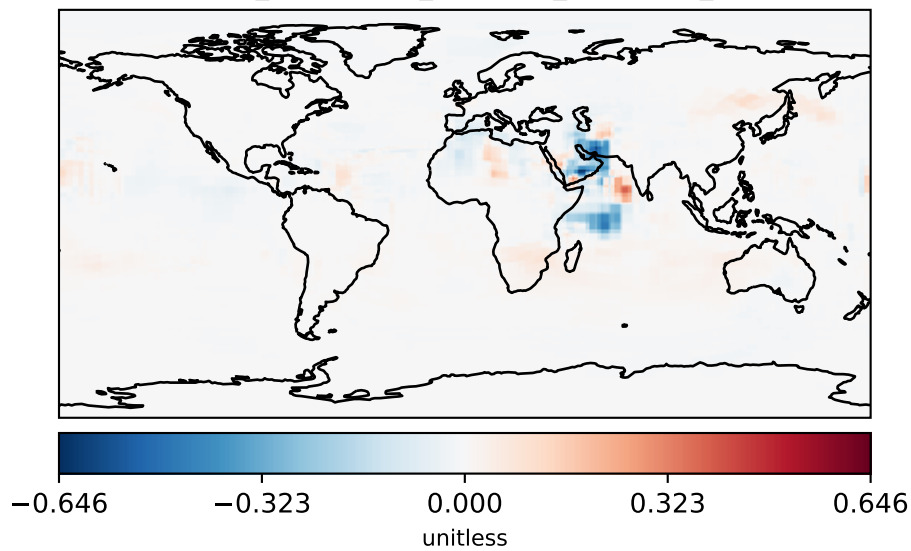
Difference (1x1.25)
Dev - Ref, Dynamic Range



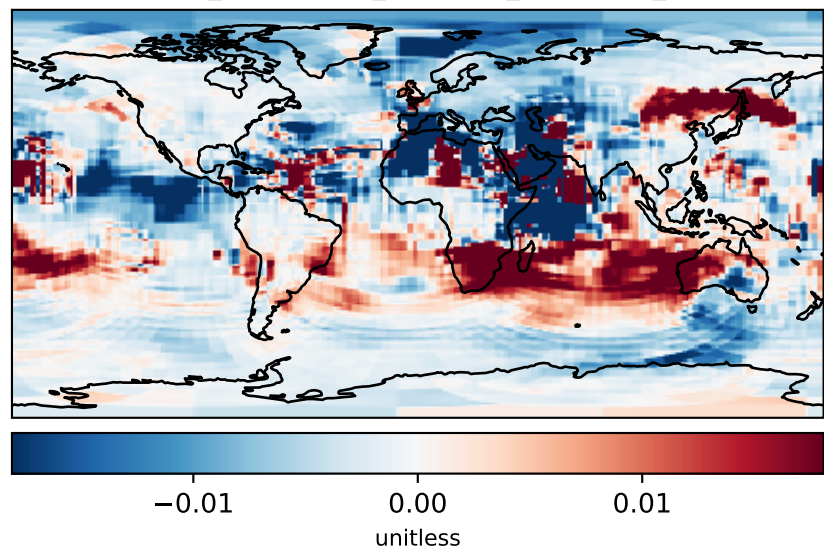
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

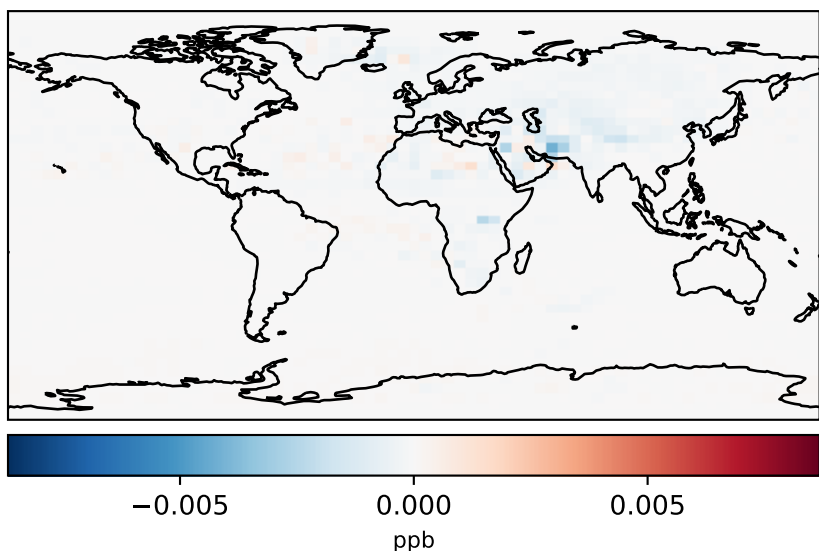


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

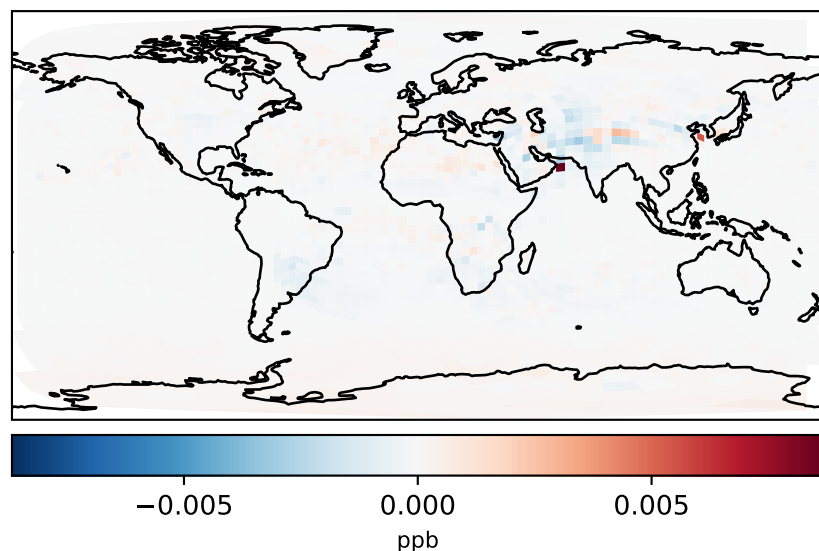


SpeciesConcVV_NIT

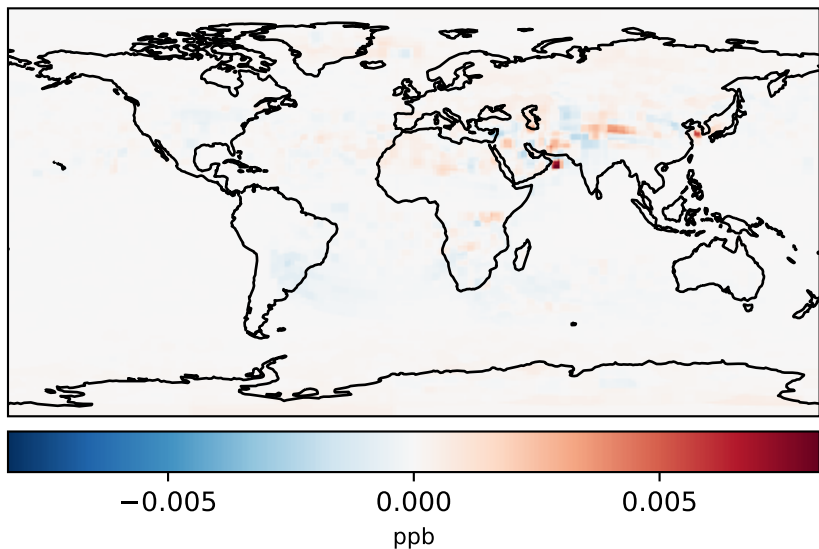
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



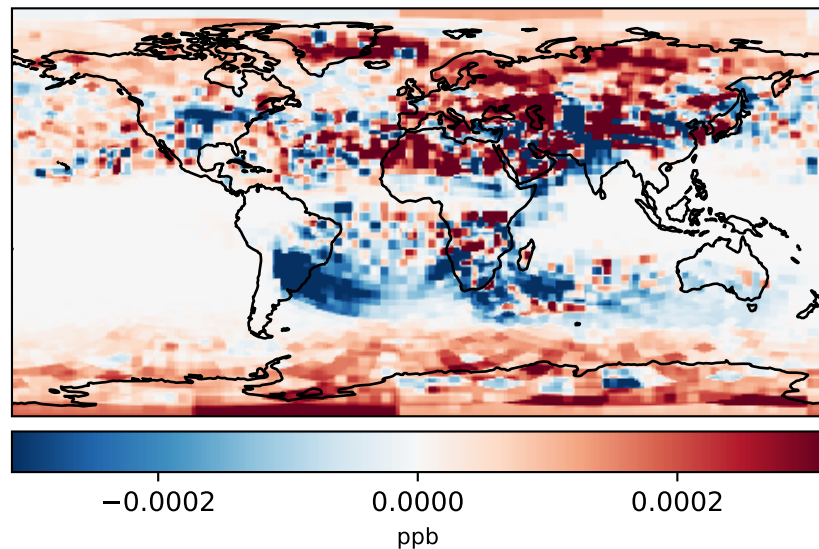
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



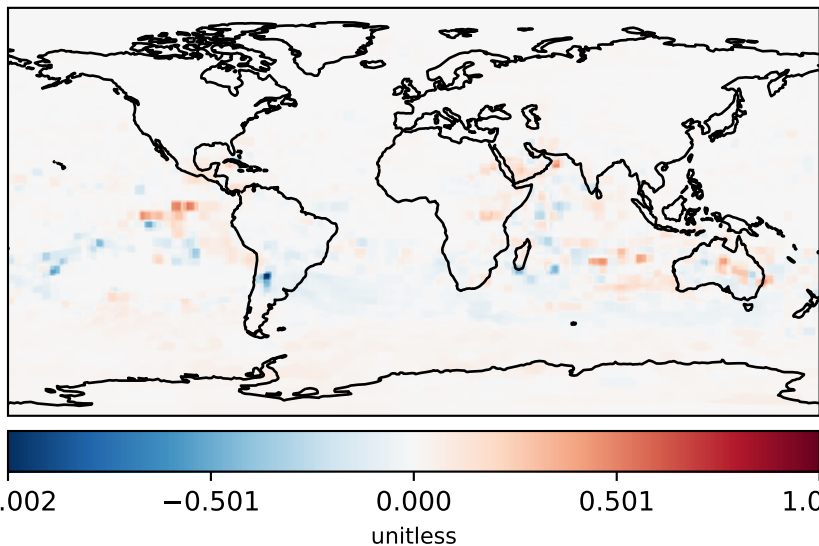
Difference (1x1.25)
Dev - Ref, Dynamic Range



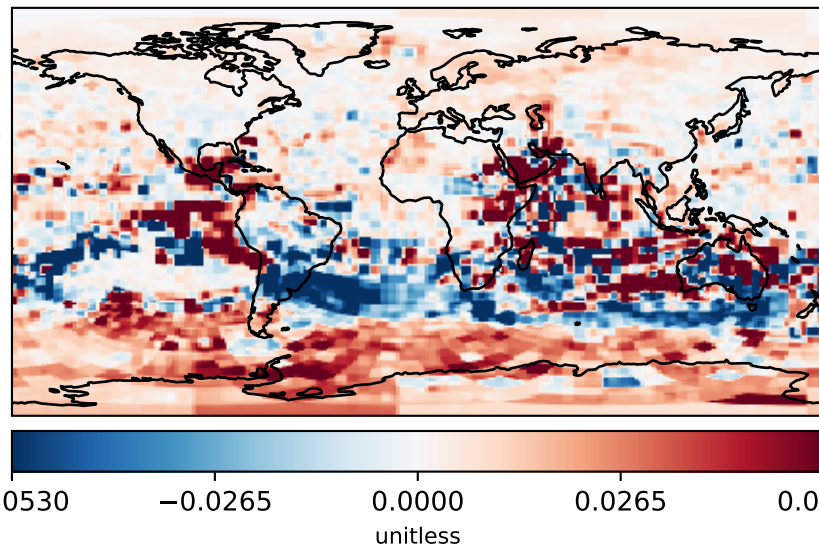
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

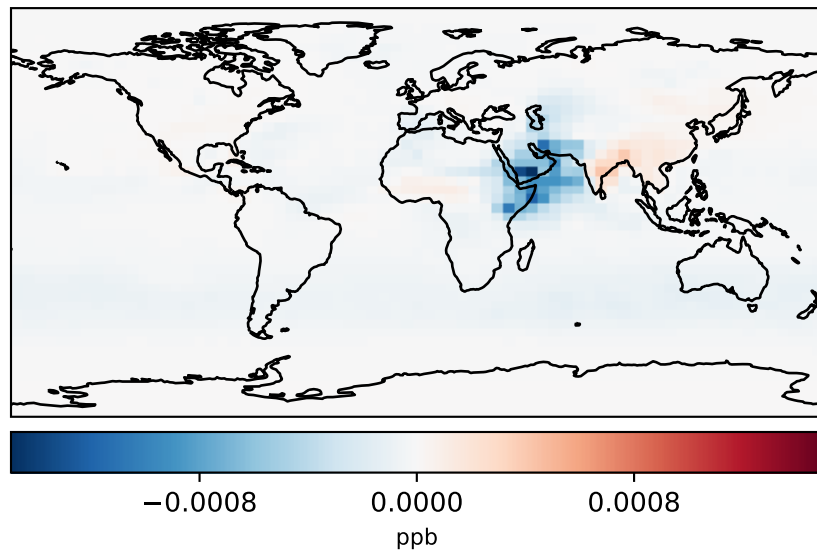


Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$

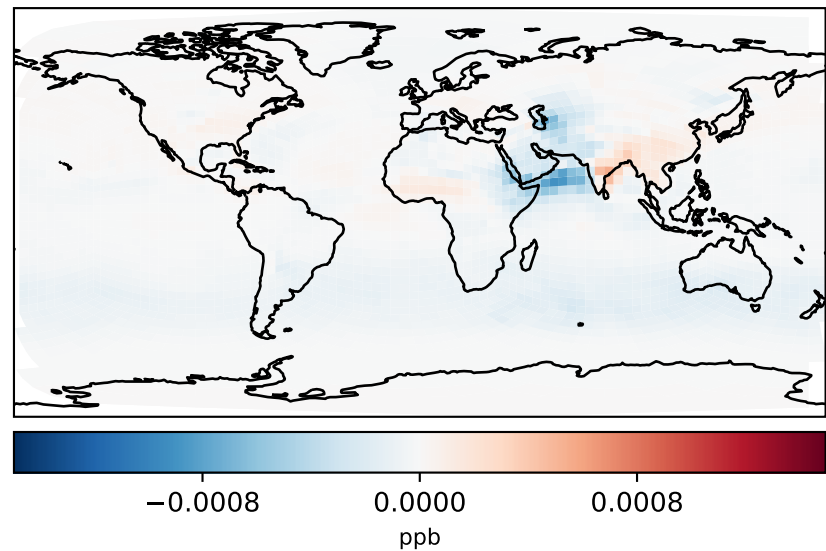


SpeciesConcVV_NO

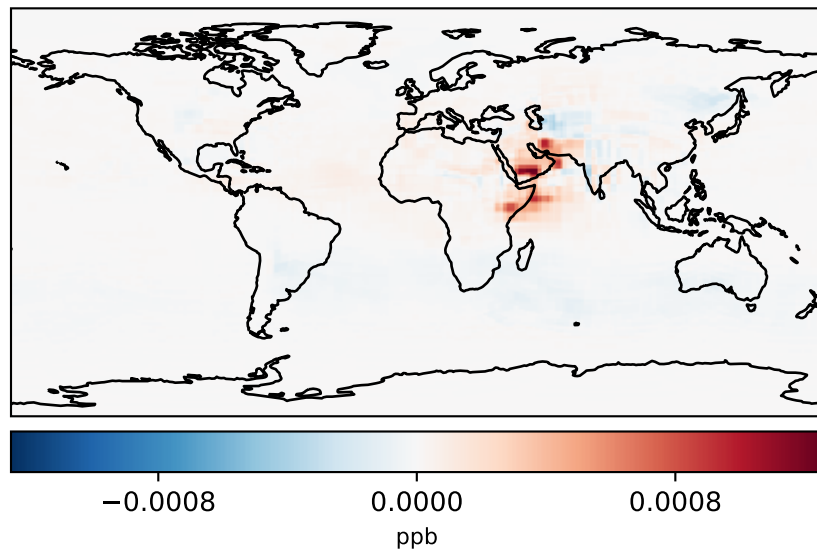
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



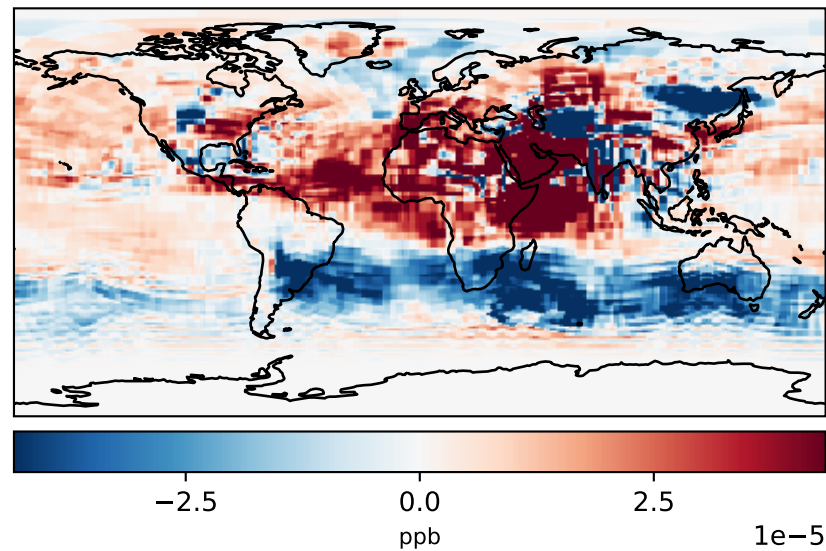
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



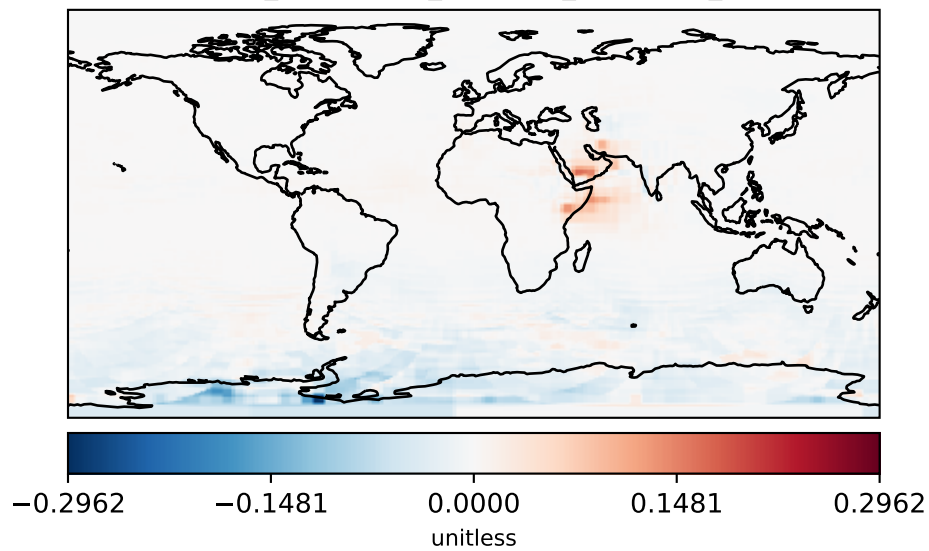
Difference (1x1.25)
Dev - Ref, Dynamic Range



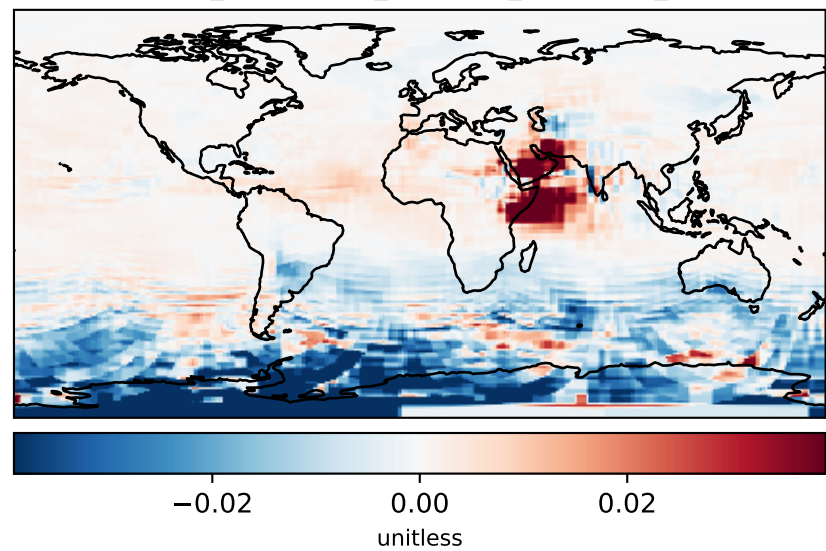
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

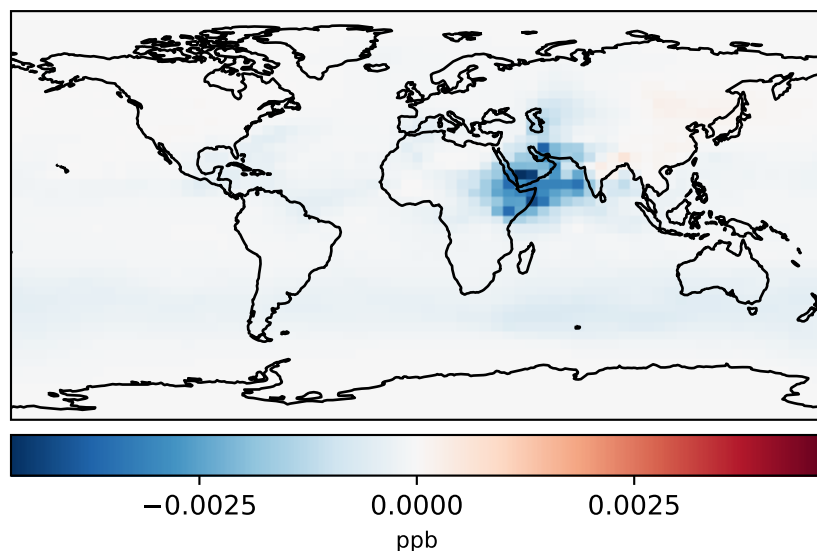


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

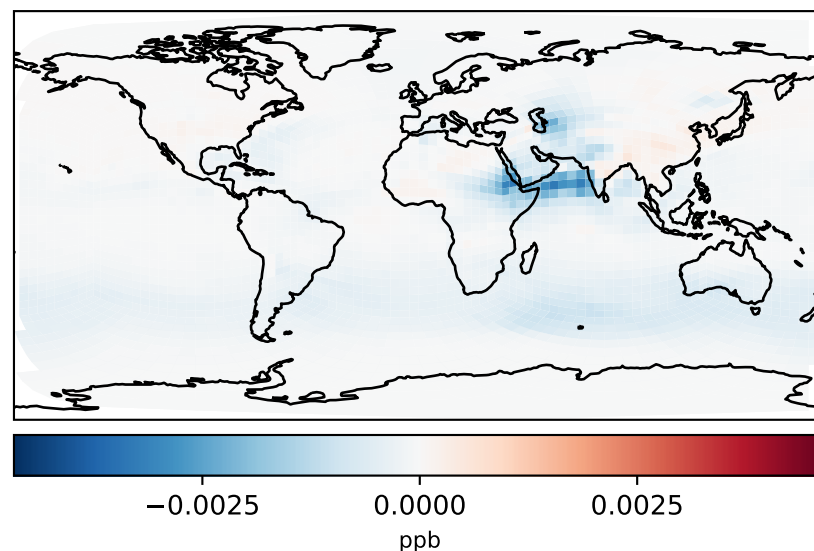


SpeciesConcVV_NO2

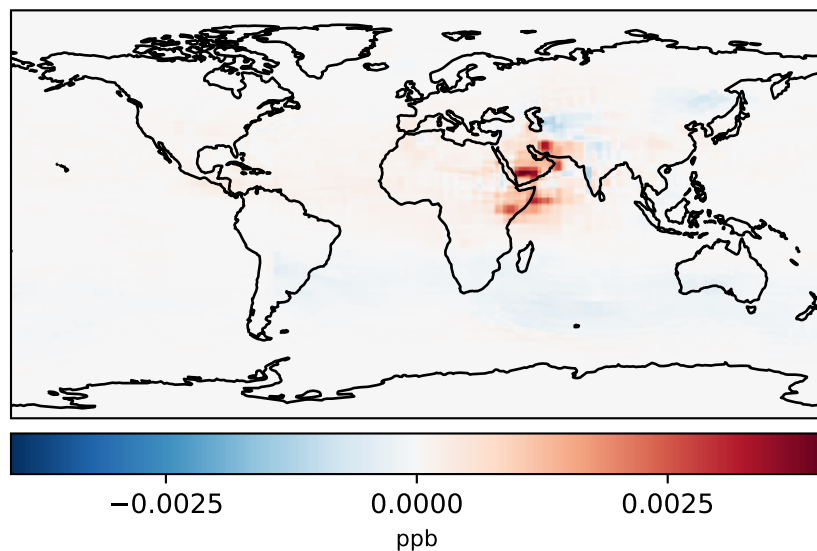
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



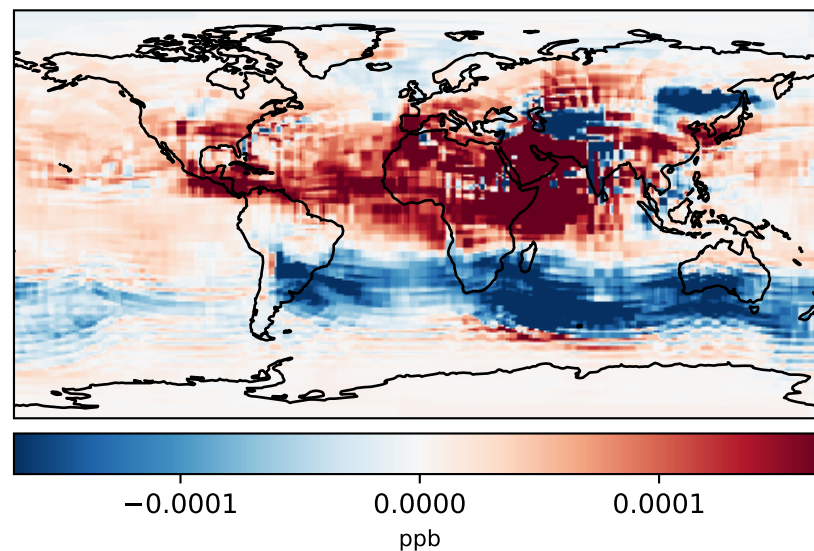
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



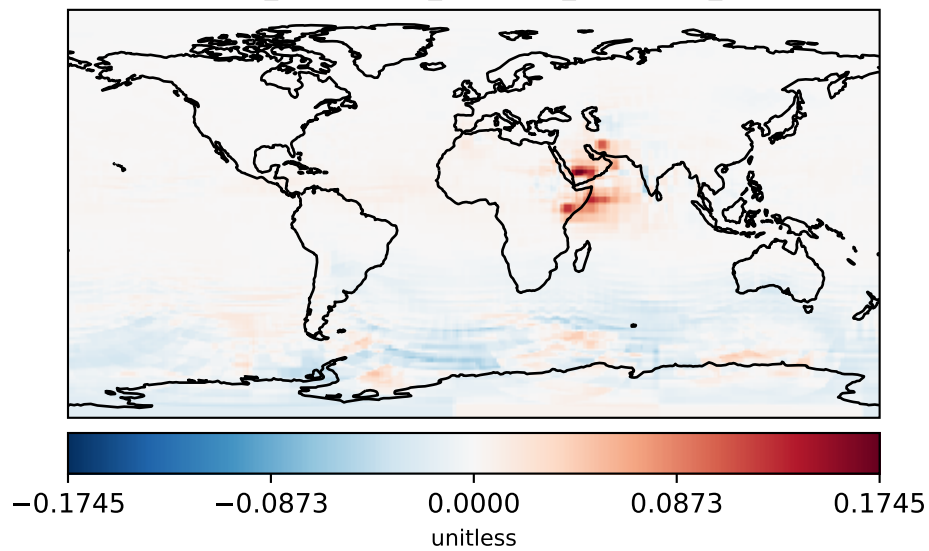
Difference (1x1.25)
Dev - Ref, Dynamic Range



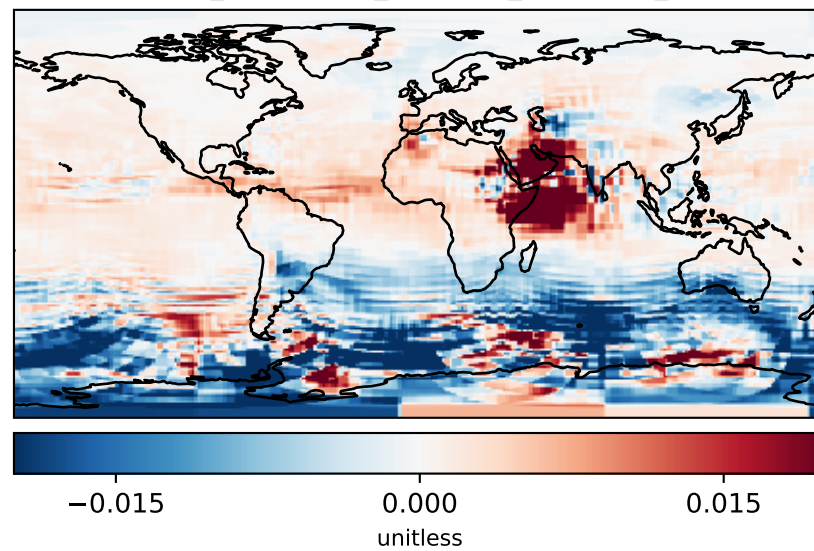
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

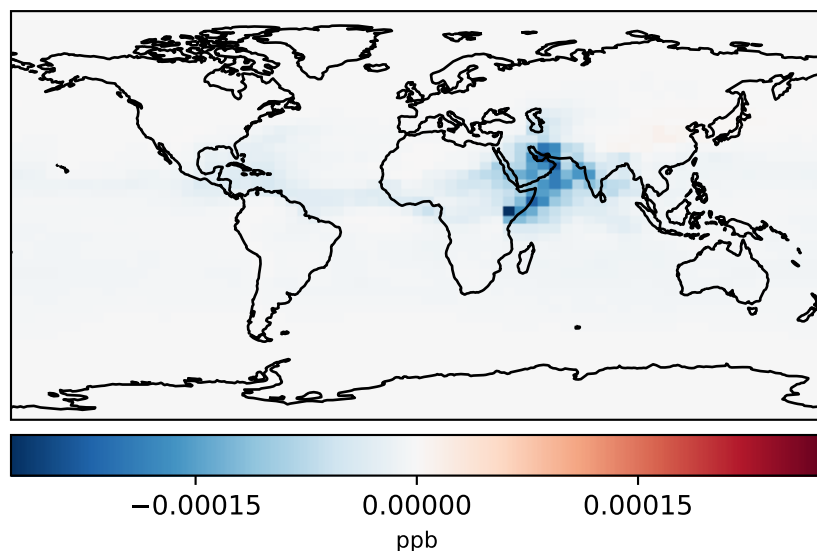


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

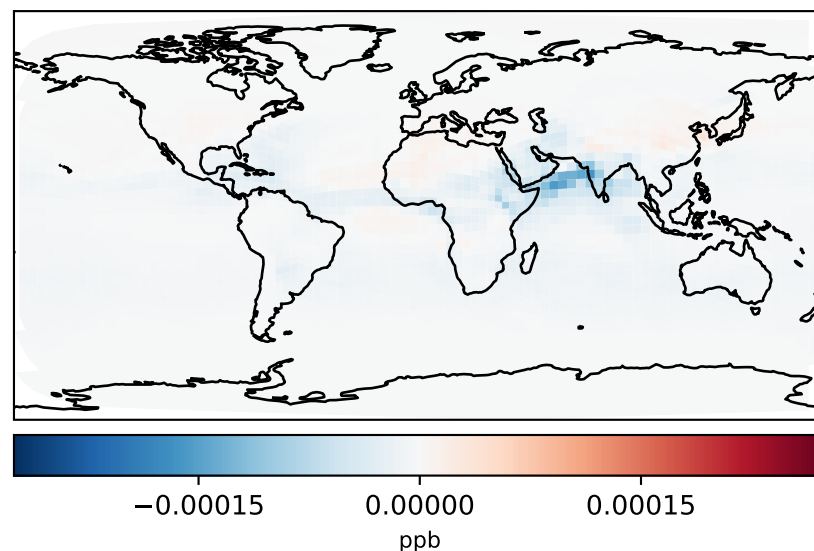


SpeciesConcVV_NO3

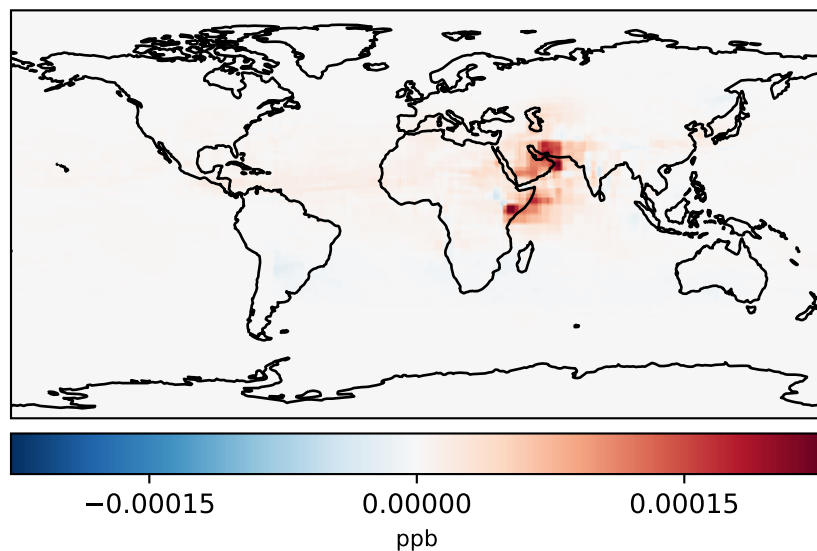
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



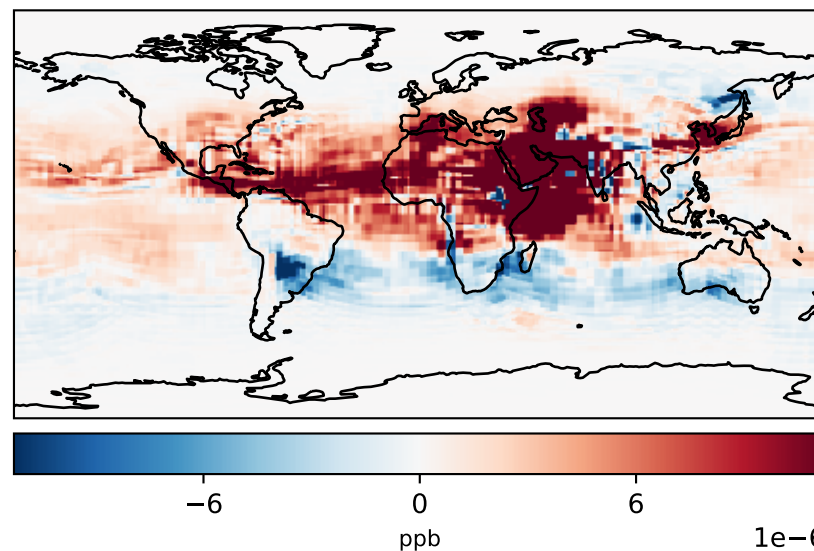
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



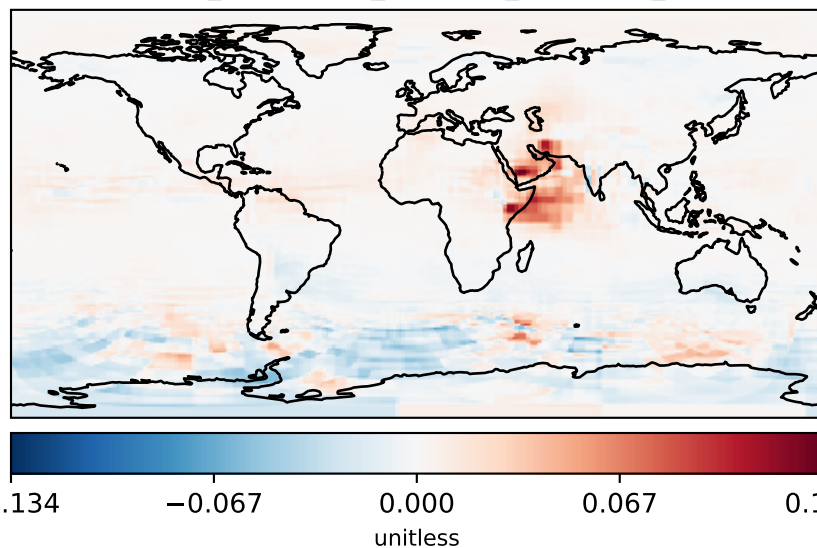
Difference (1x1.25)
Dev - Ref, Dynamic Range



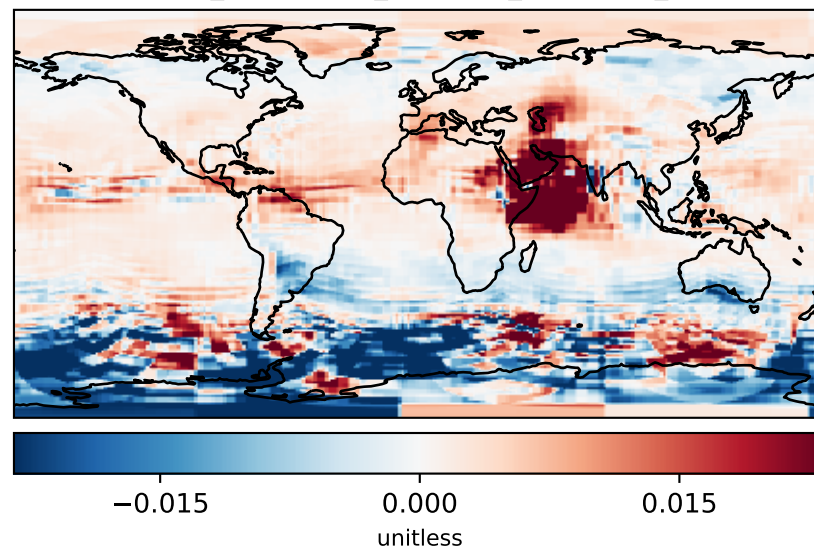
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

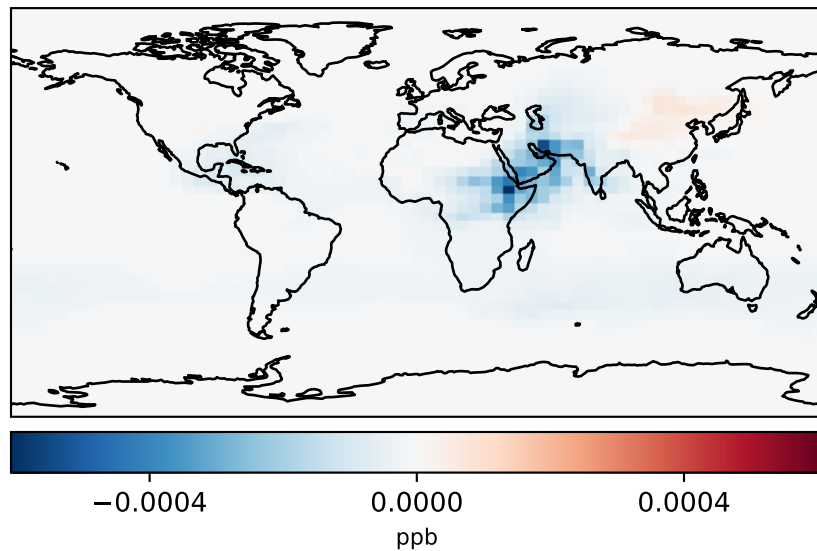


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

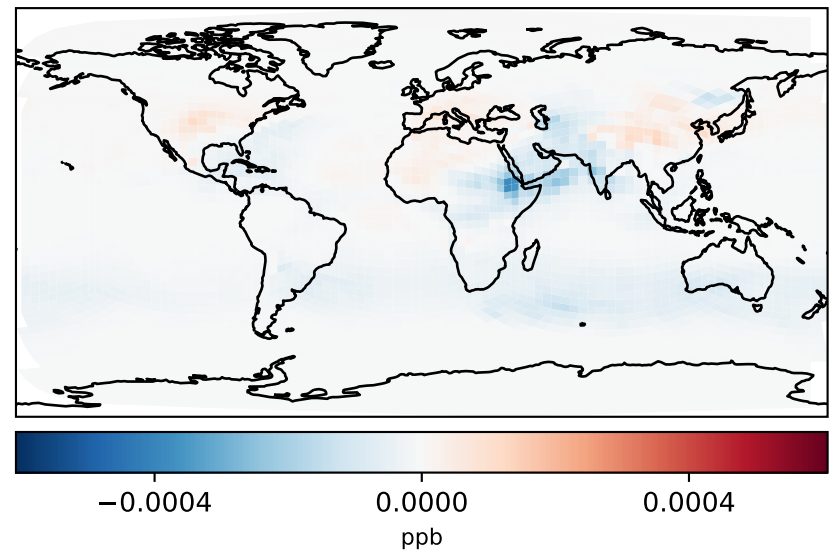


SpeciesConcVW_N2O5

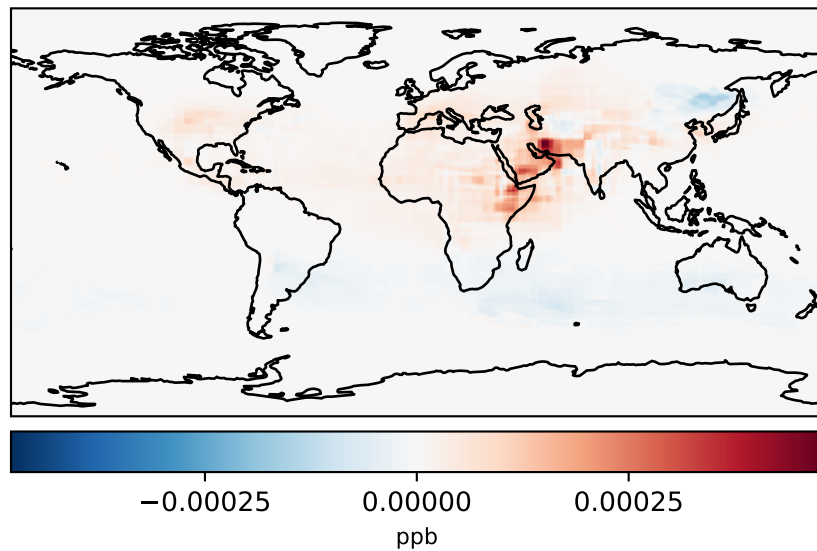
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



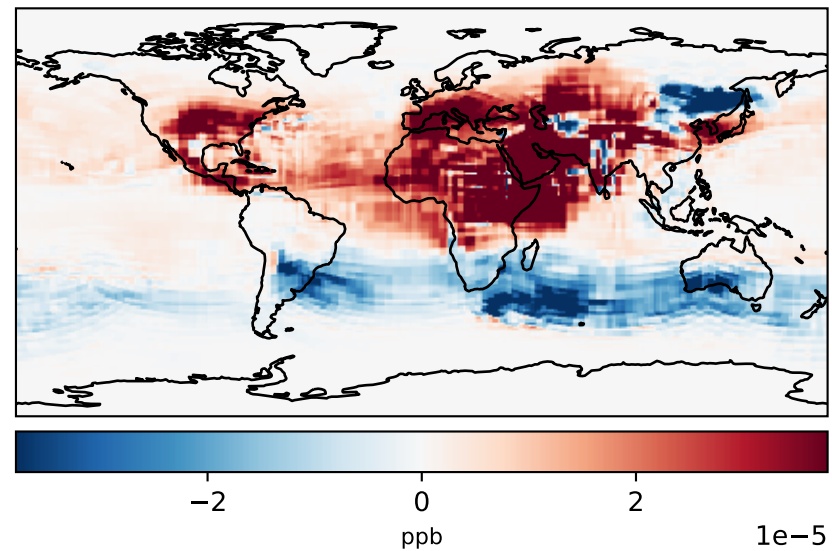
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



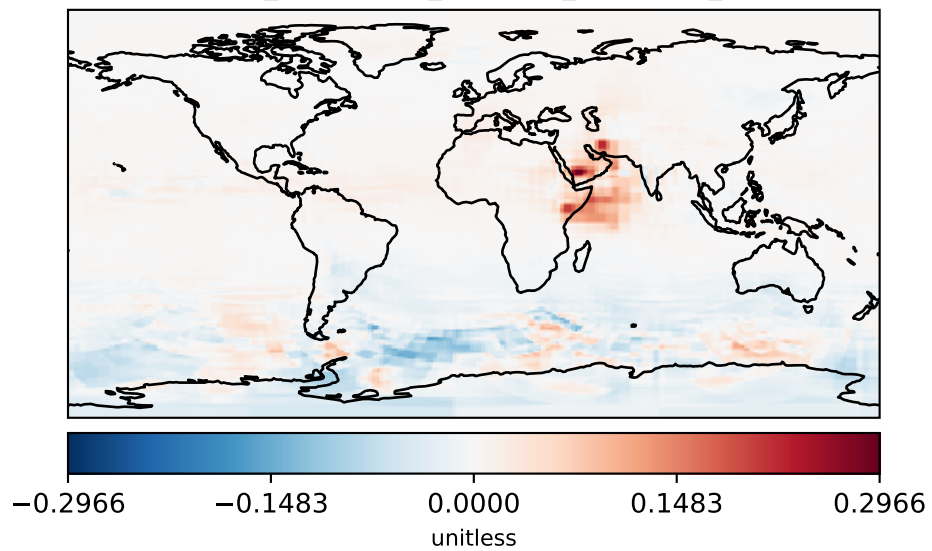
Difference (1x1.25)
Dev - Ref, Dynamic Range



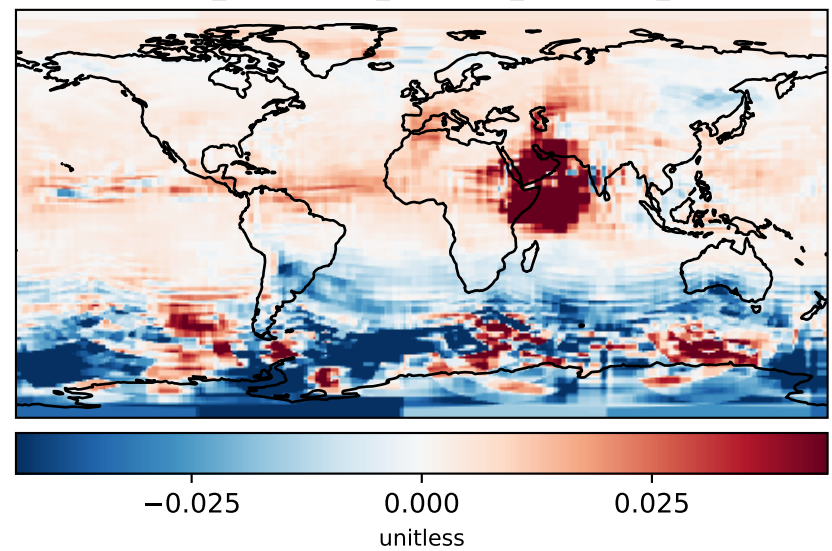
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

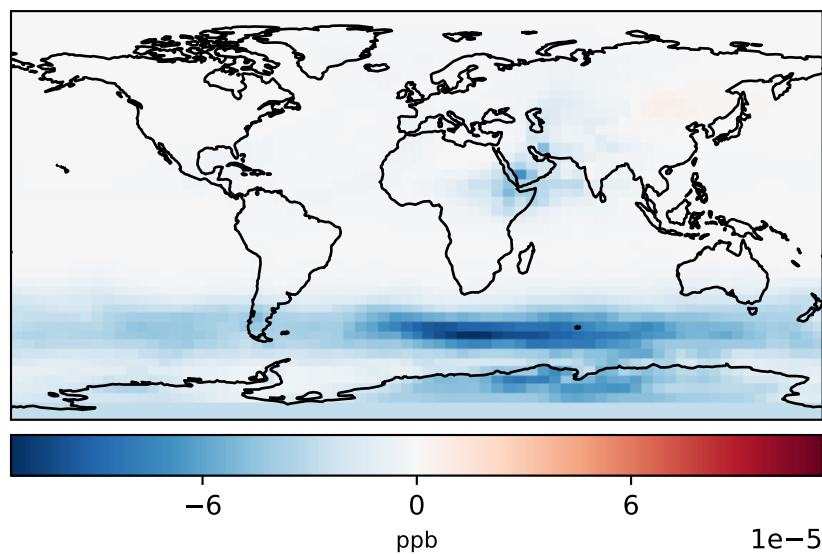


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

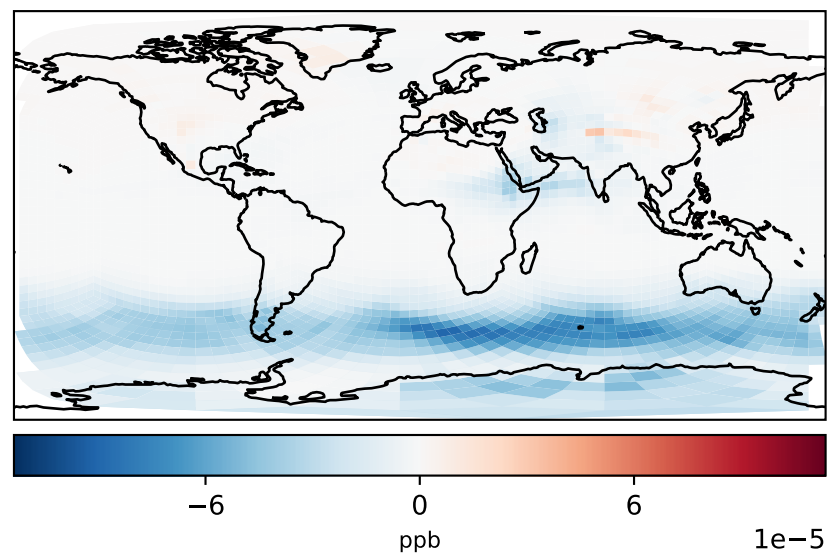


SpeciesConcVV_MPN

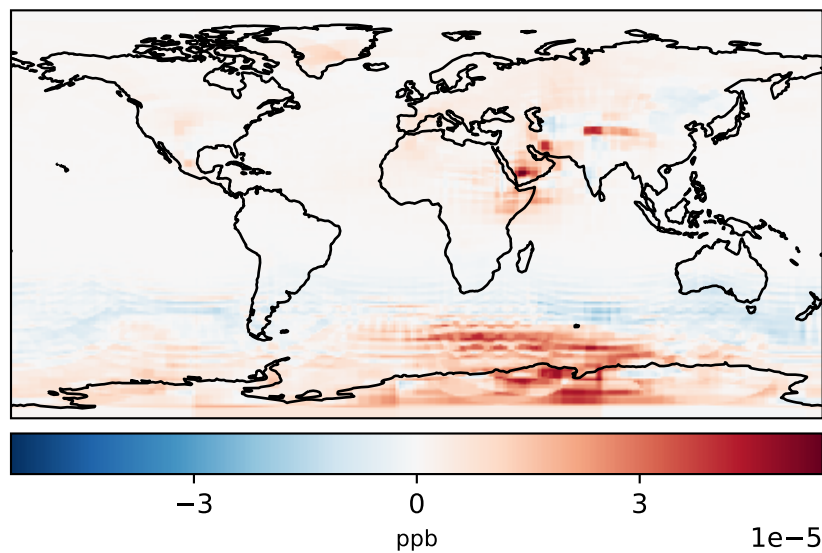
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



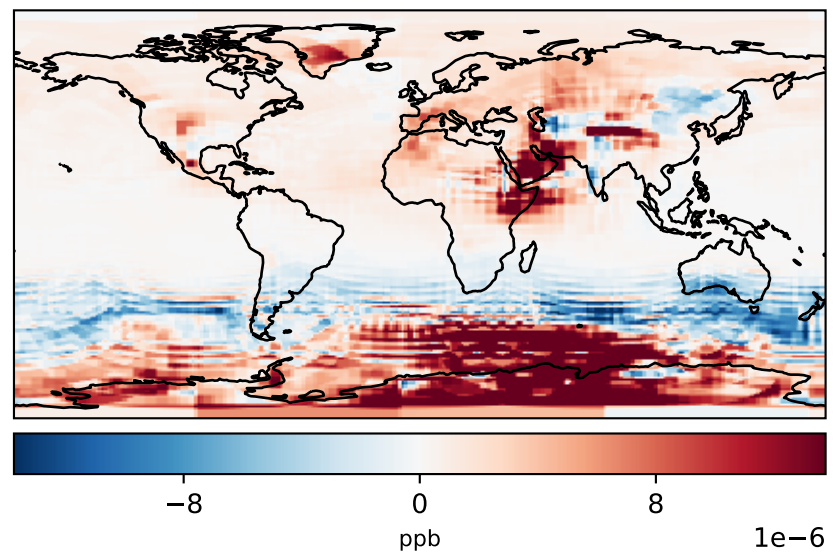
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



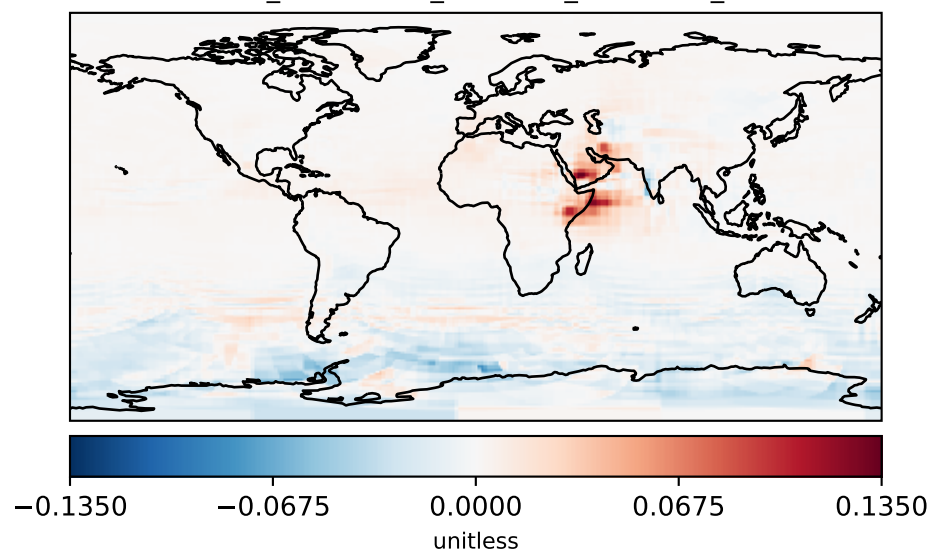
Difference (1x1.25)
Dev - Ref, Dynamic Range



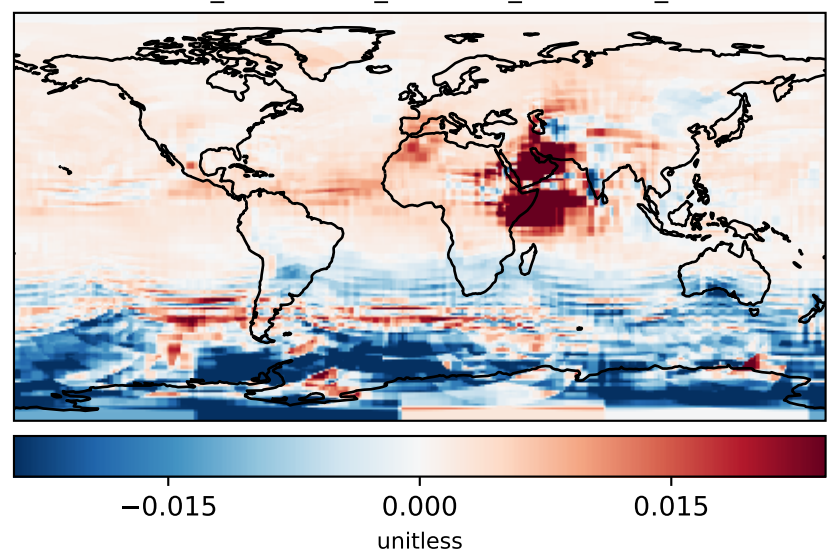
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

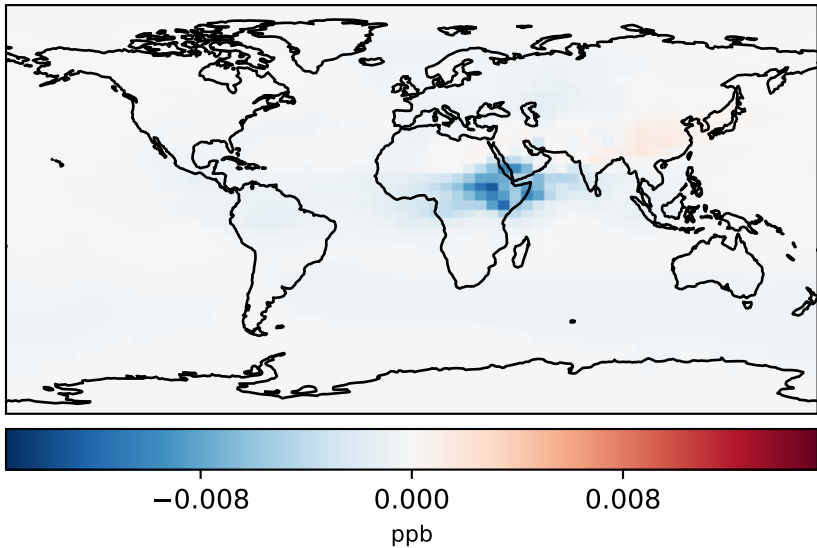


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

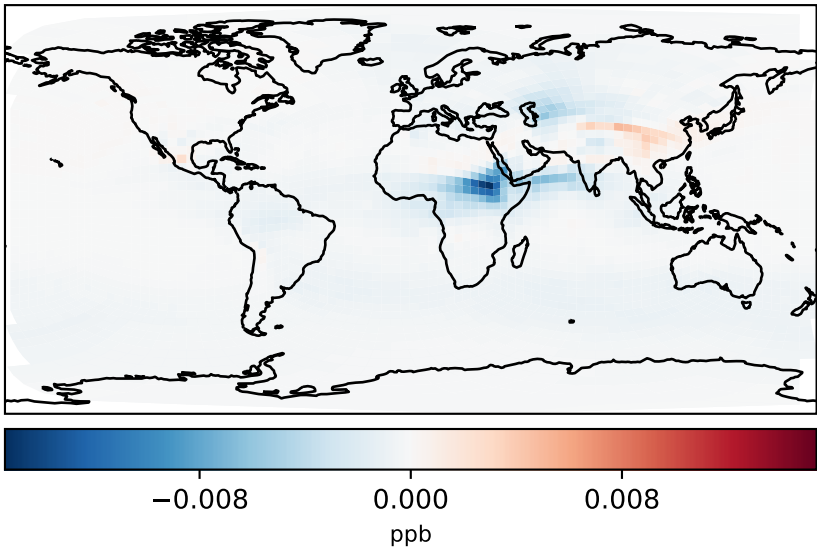


SpeciesConcVV_PAN

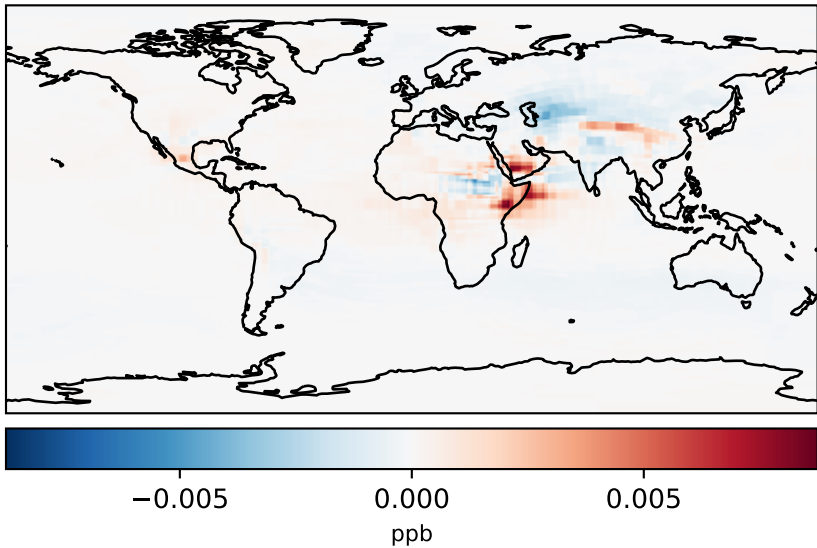
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



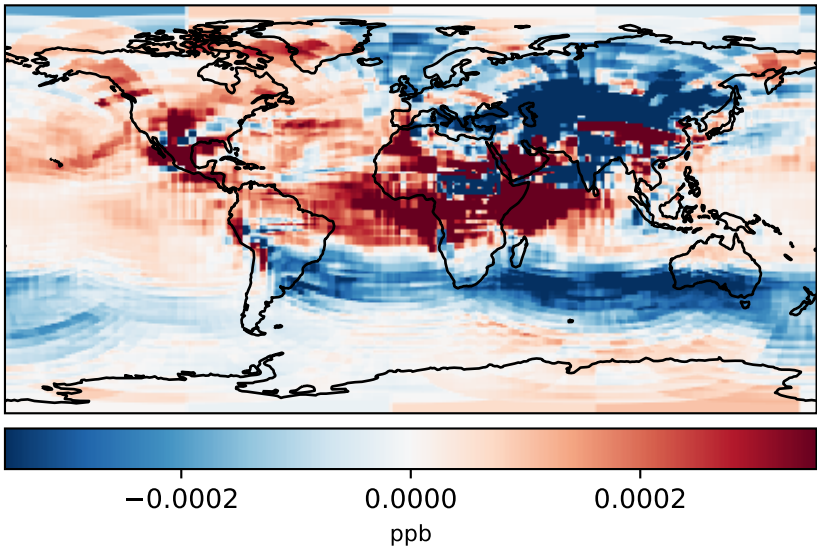
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



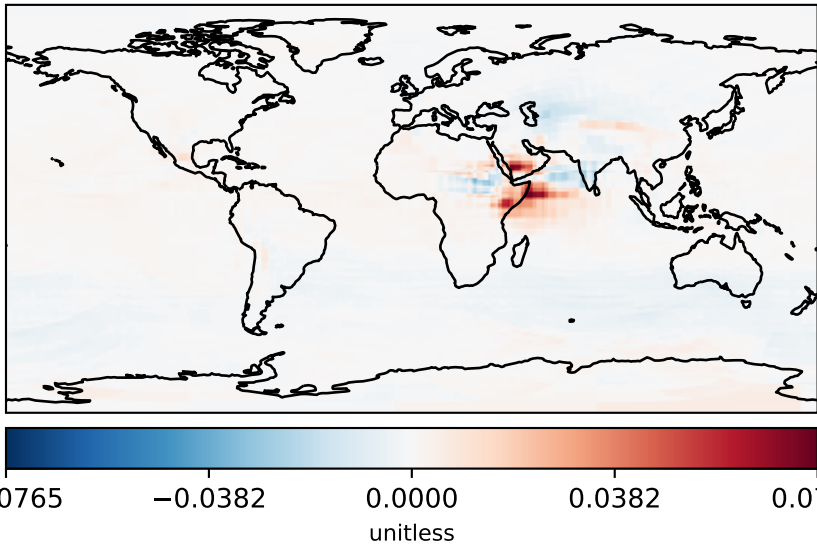
Difference (1x1.25)
Dev - Ref, Dynamic Range



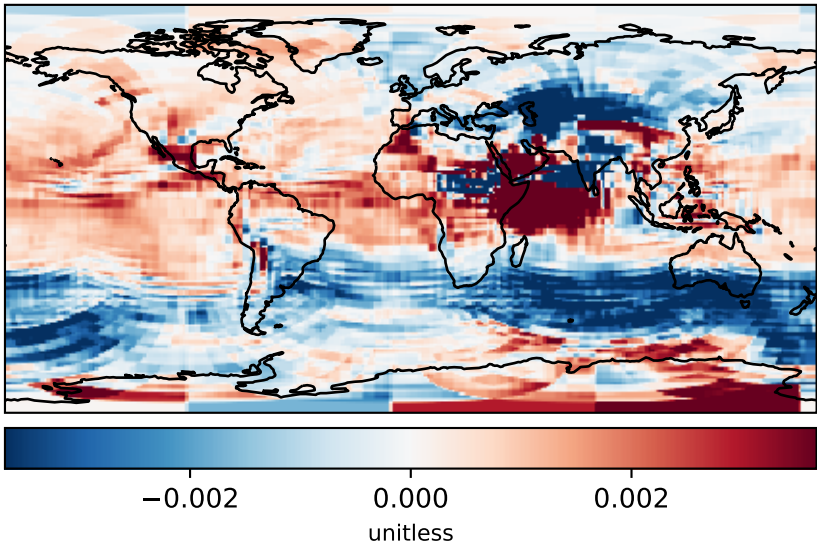
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

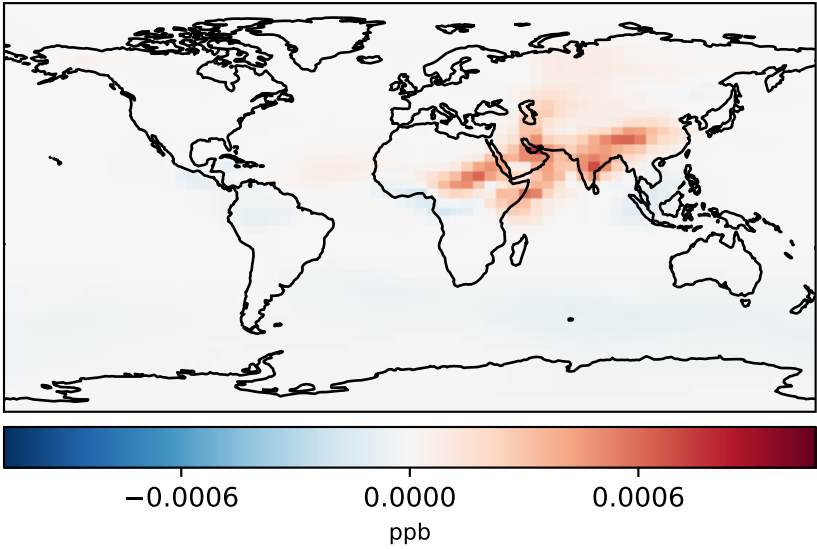


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

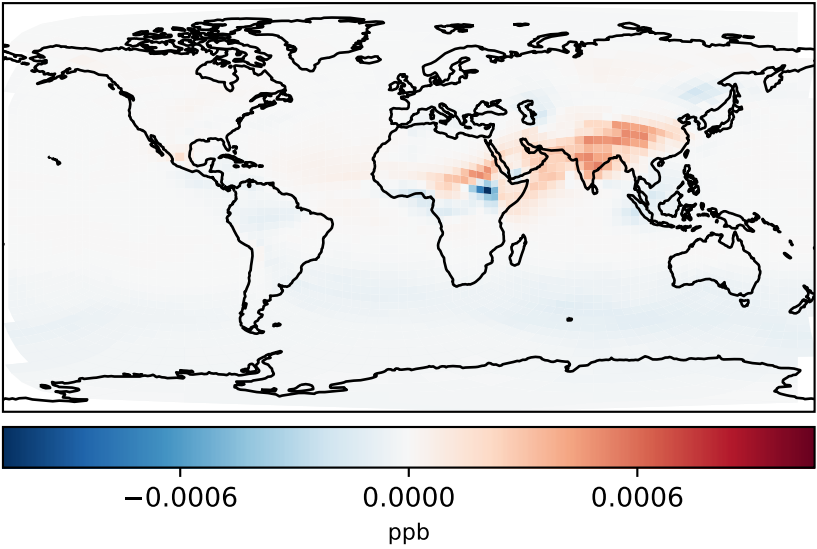


SpeciesConcVV_PPN

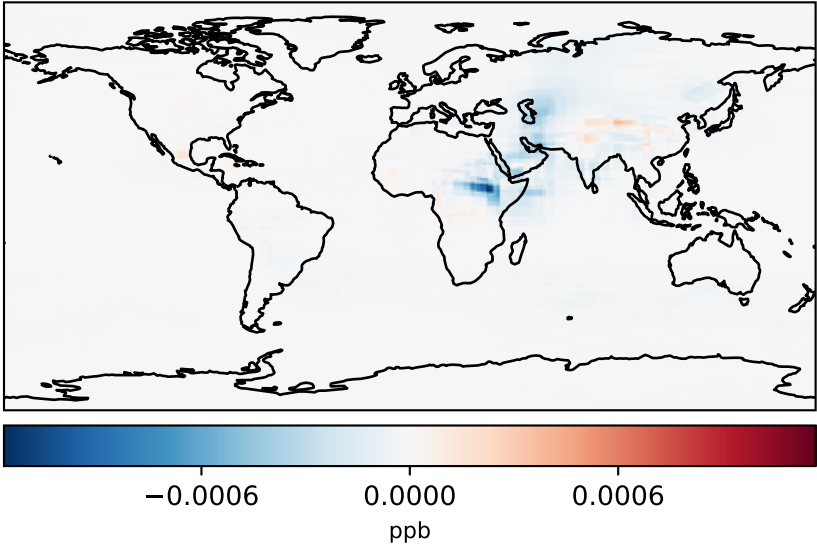
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



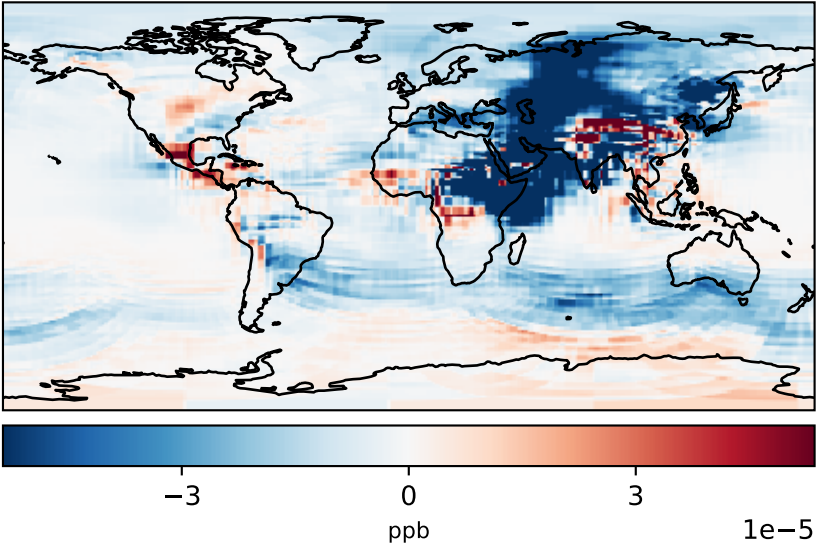
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



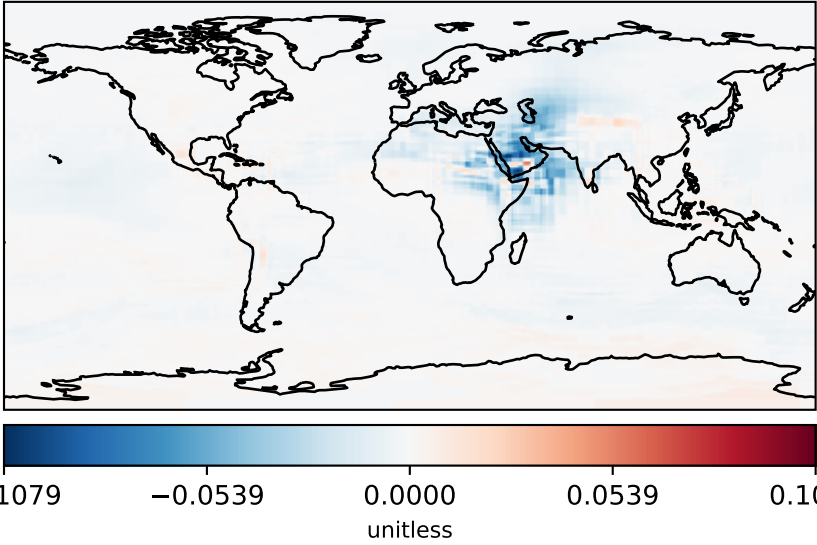
Difference (1x1.25)
Dev - Ref, Dynamic Range



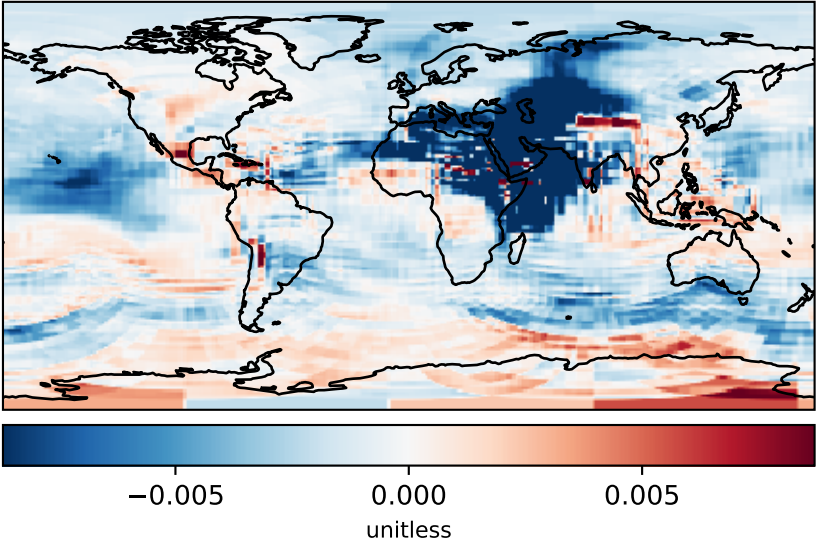
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

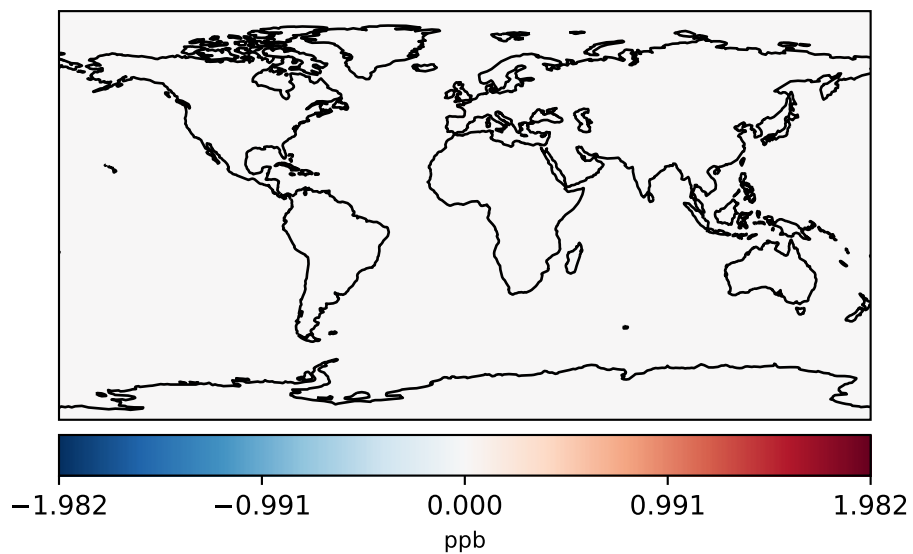


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

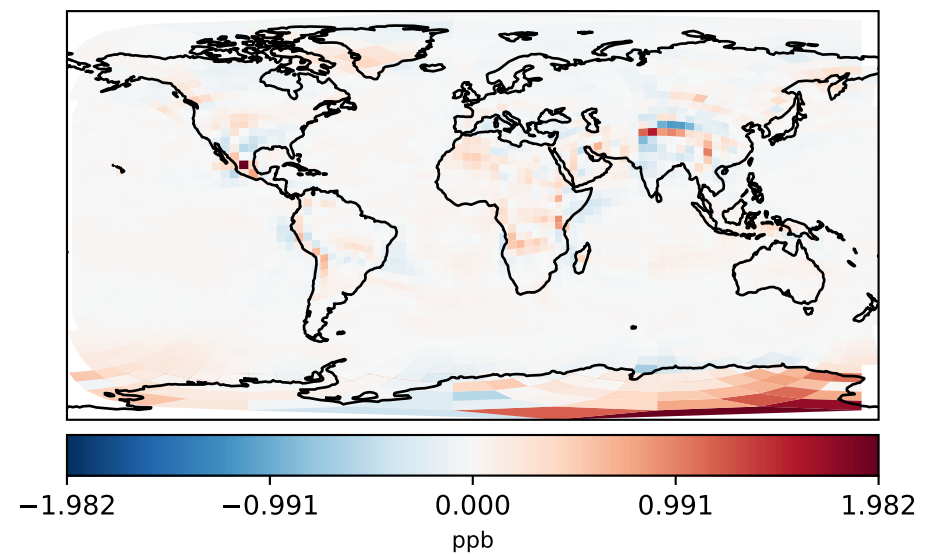


SpeciesConcVV_N2O

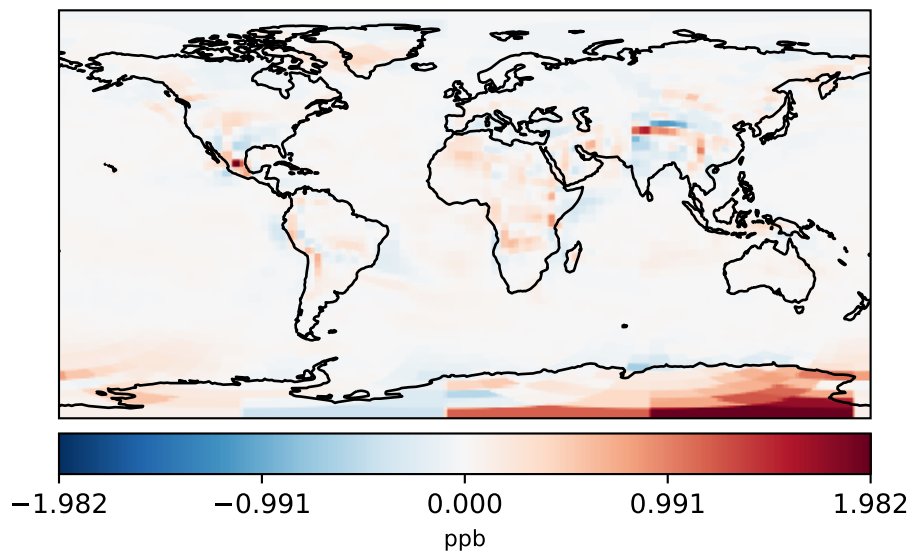
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



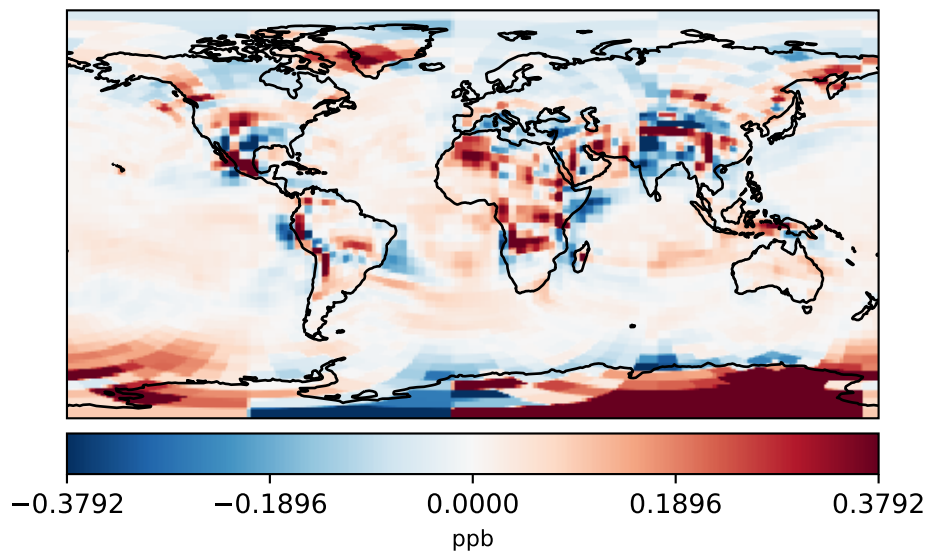
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



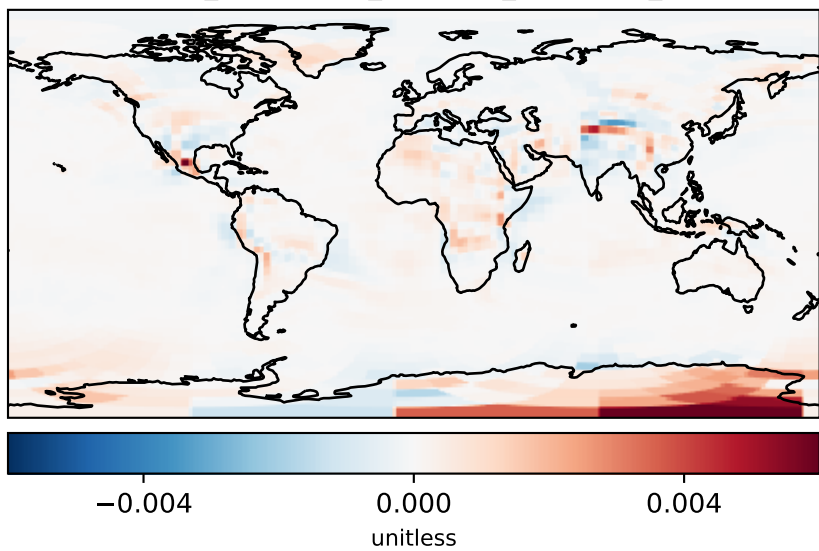
Difference (1x1.25)
Dev - Ref, Dynamic Range



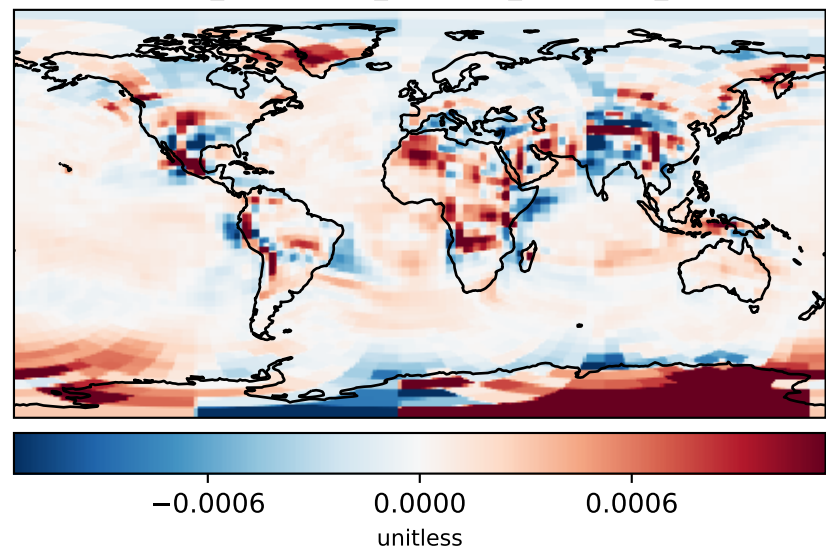
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

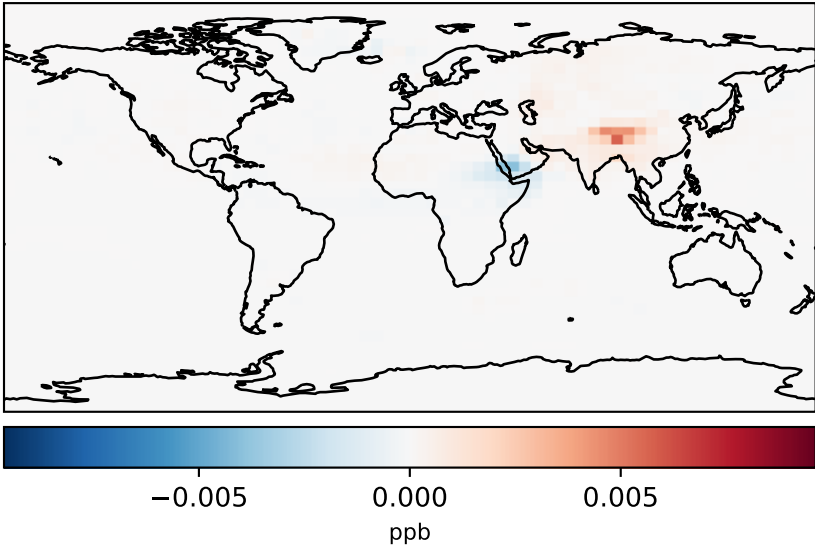


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

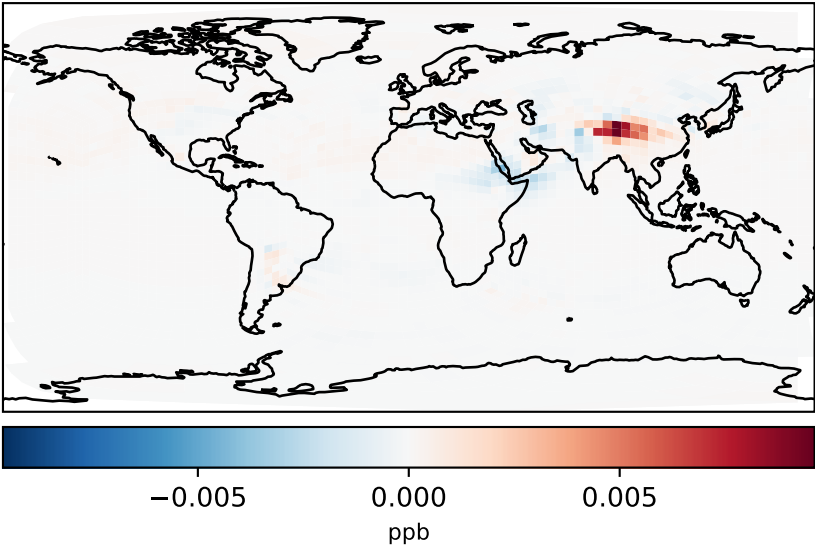


SpeciesConcVV_NHx

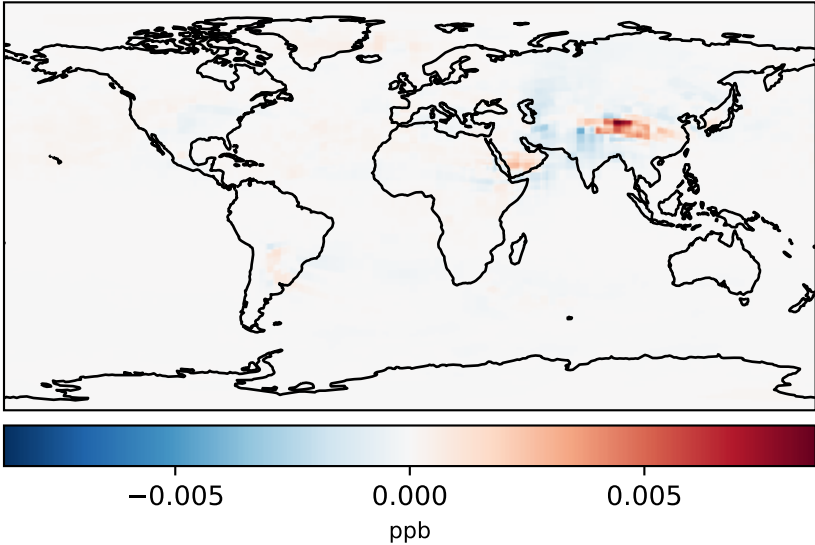
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



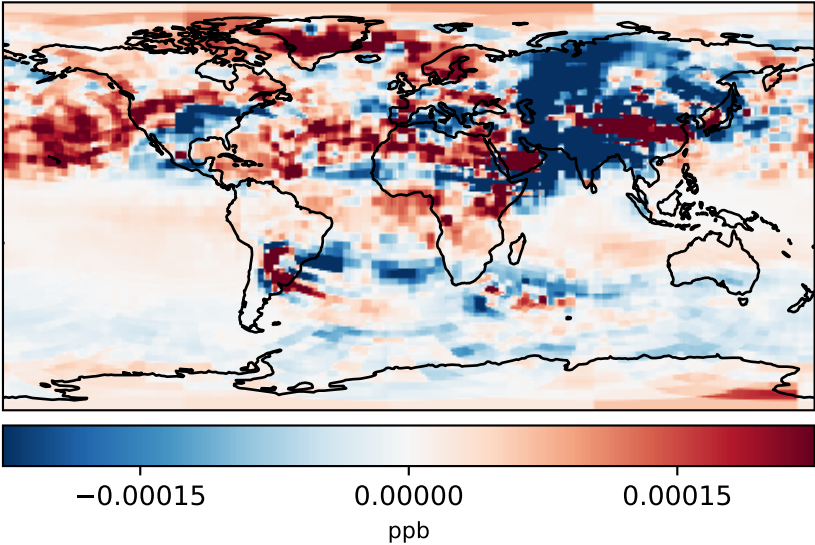
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



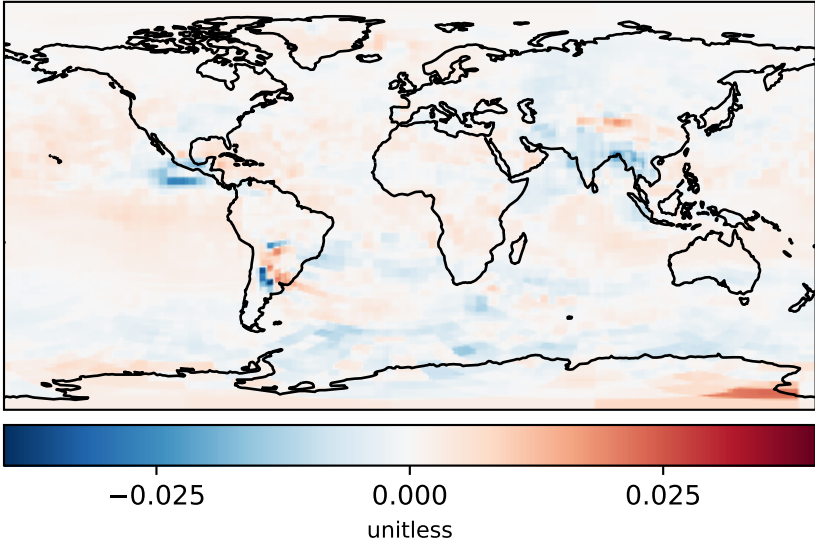
Difference (1x1.25)
Dev - Ref, Dynamic Range



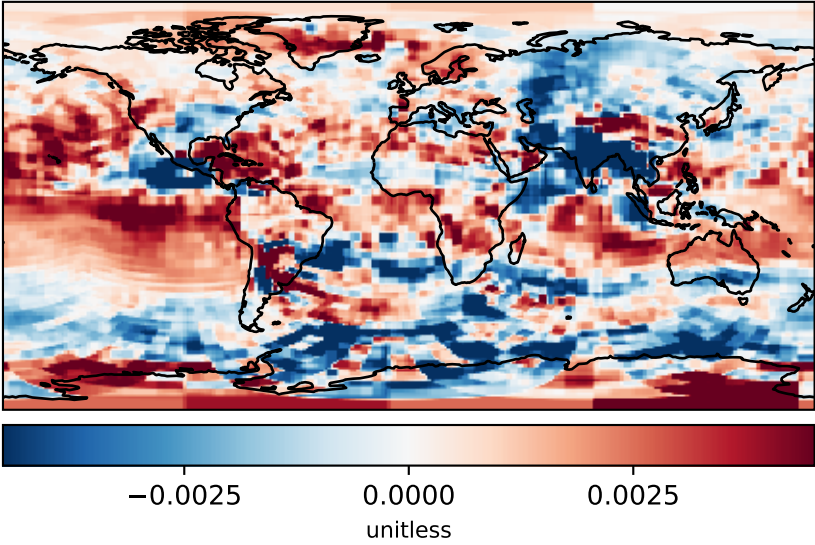
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

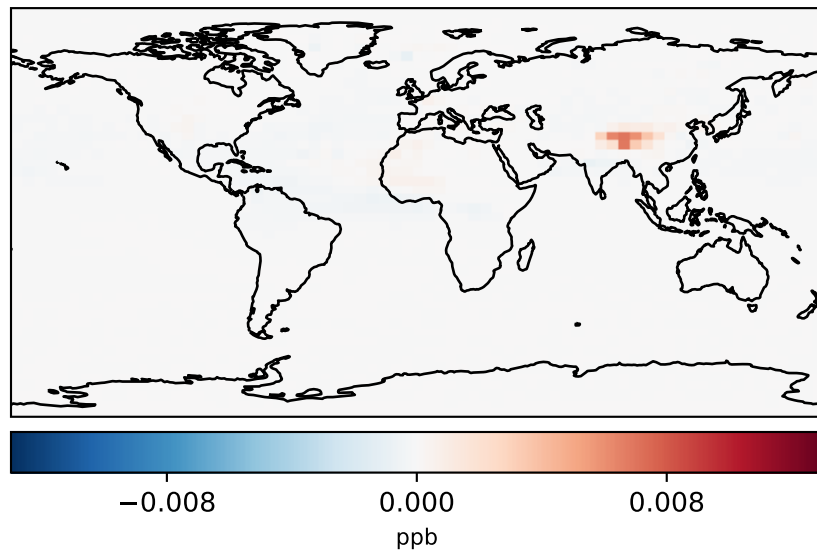


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

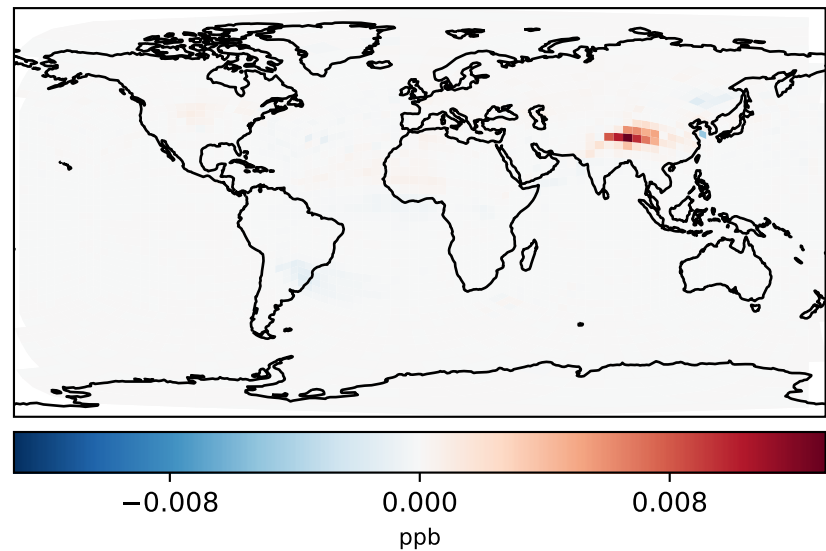


SpeciesConcVV_NH3

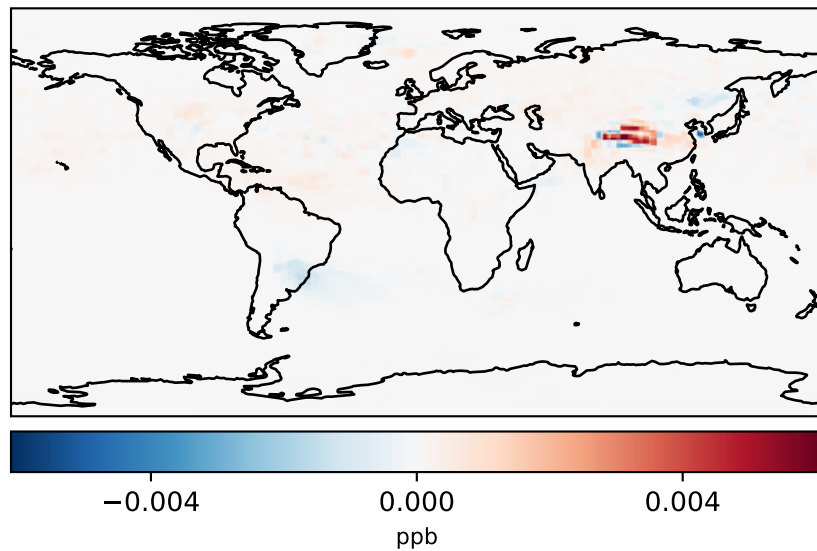
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



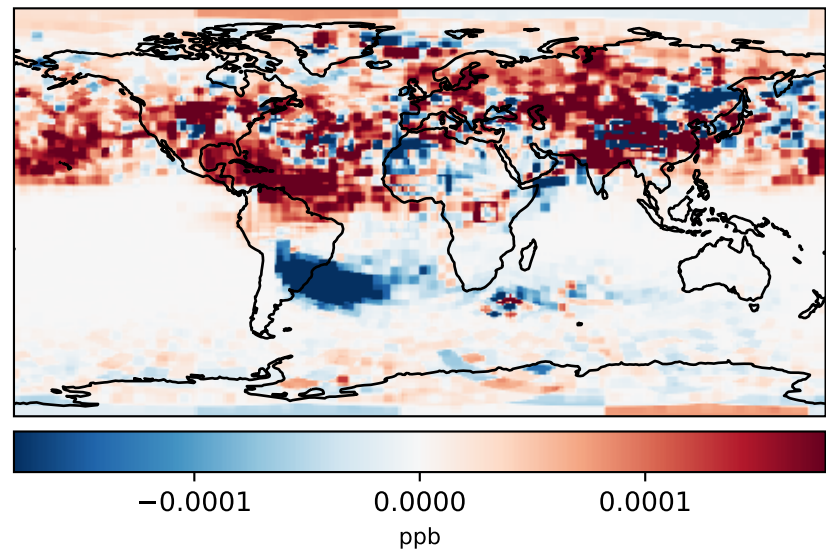
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



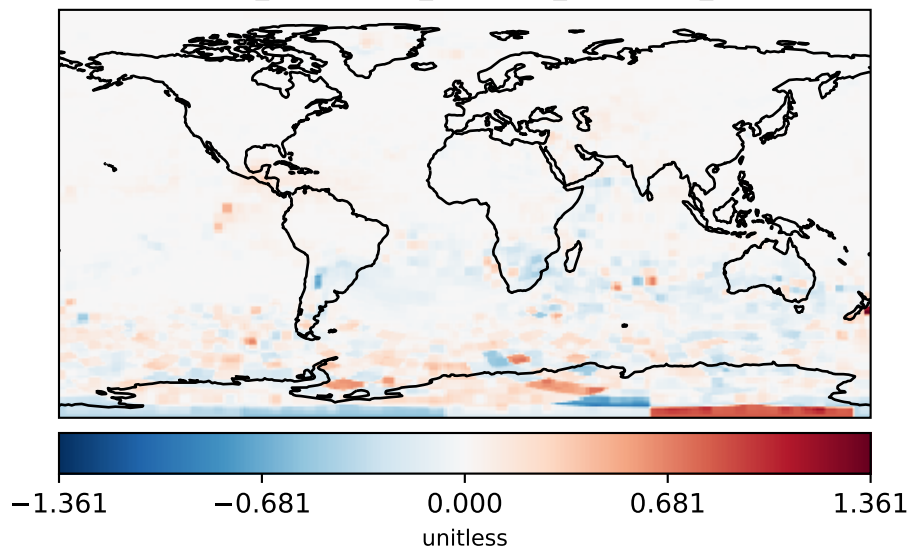
Difference (1x1.25)
Dev - Ref, Dynamic Range



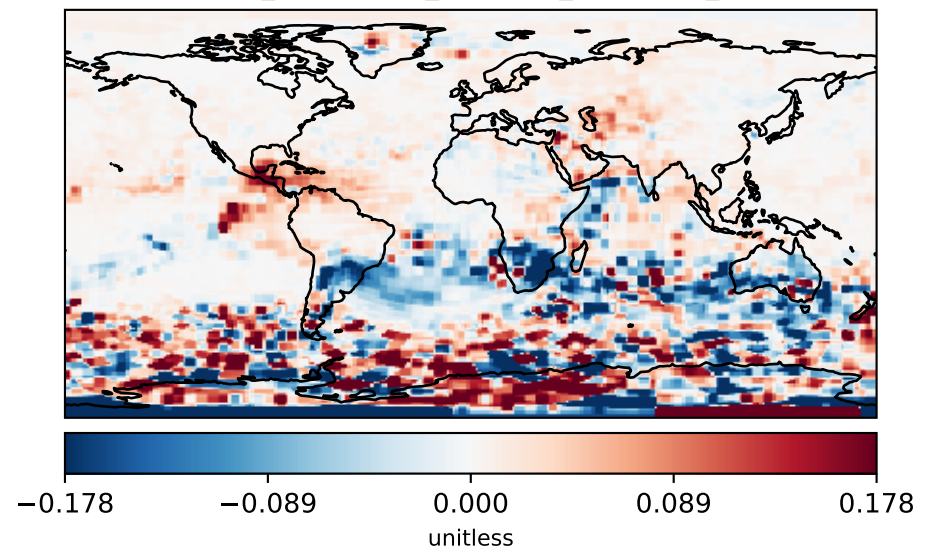
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

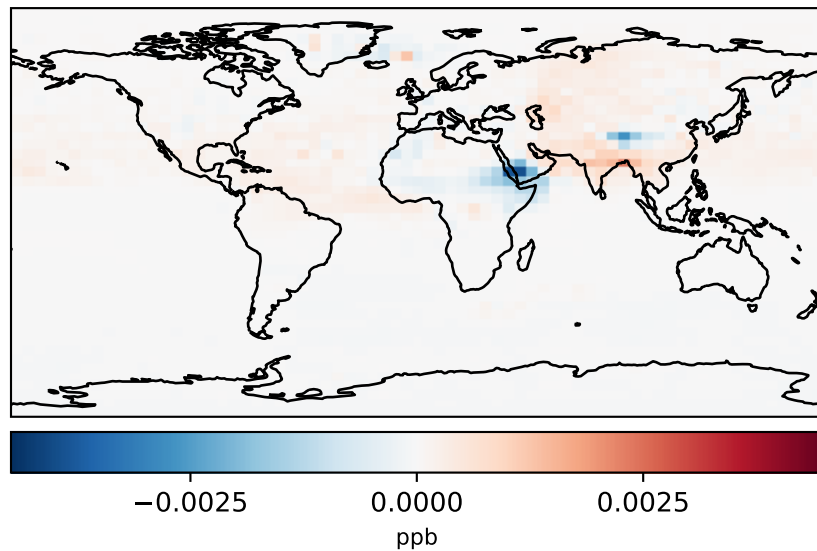


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

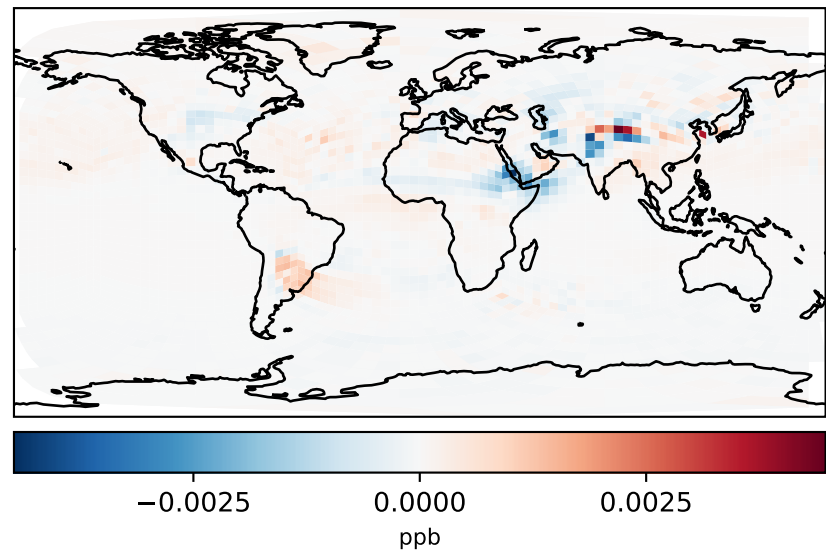


SpeciesConcVV_NH4

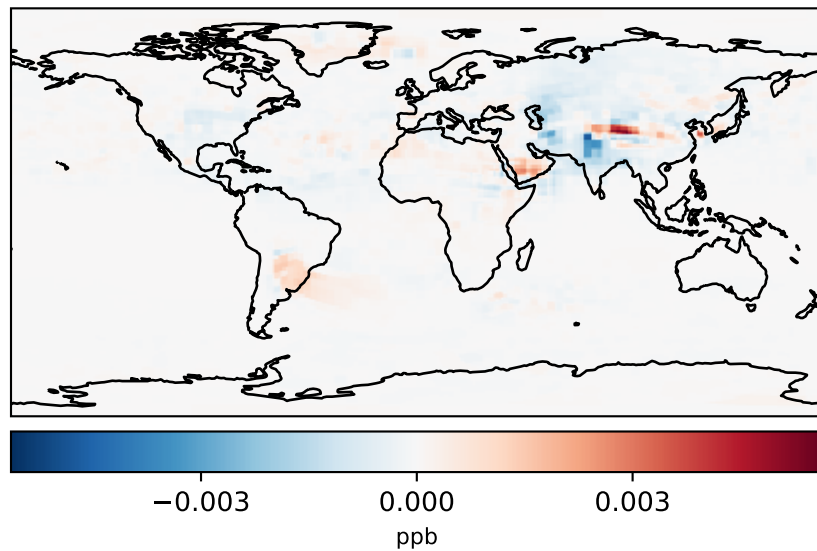
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



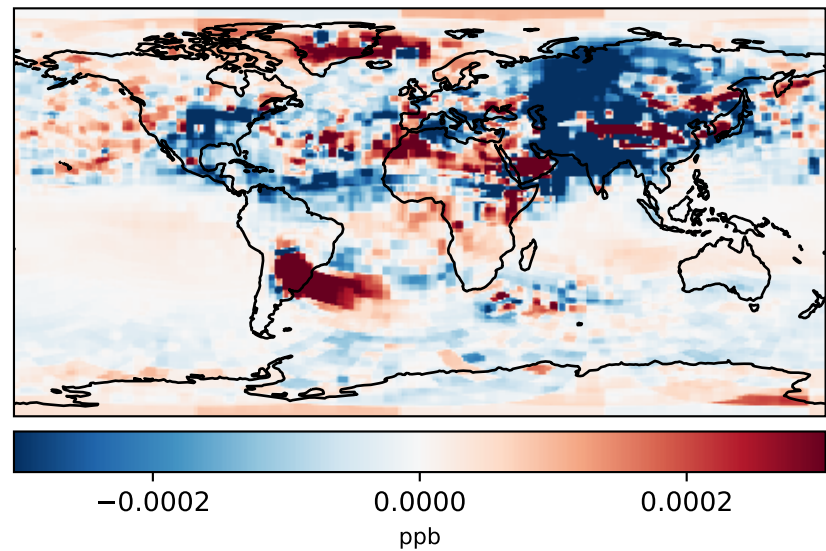
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



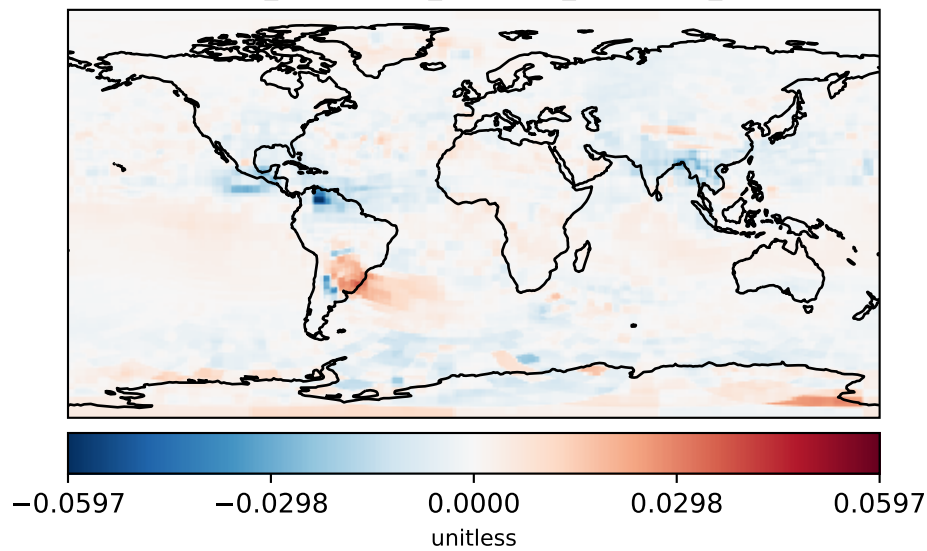
Difference (1x1.25)
Dev - Ref, Dynamic Range



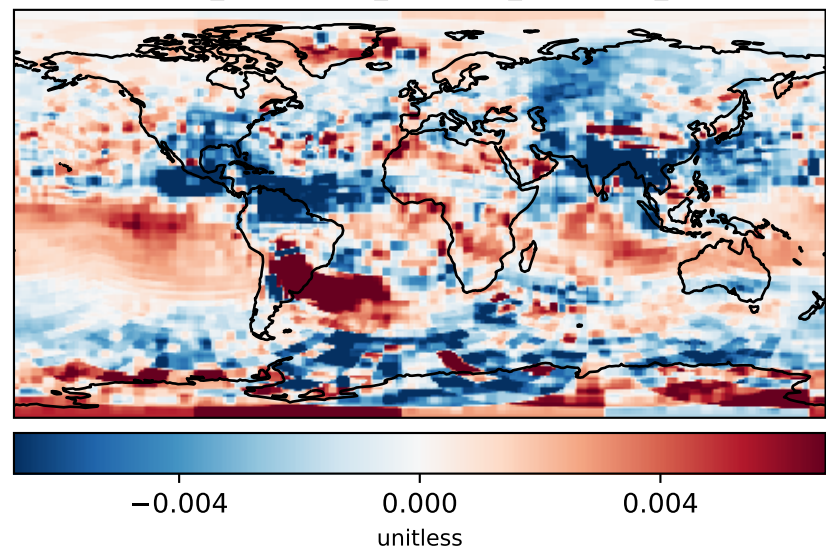
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

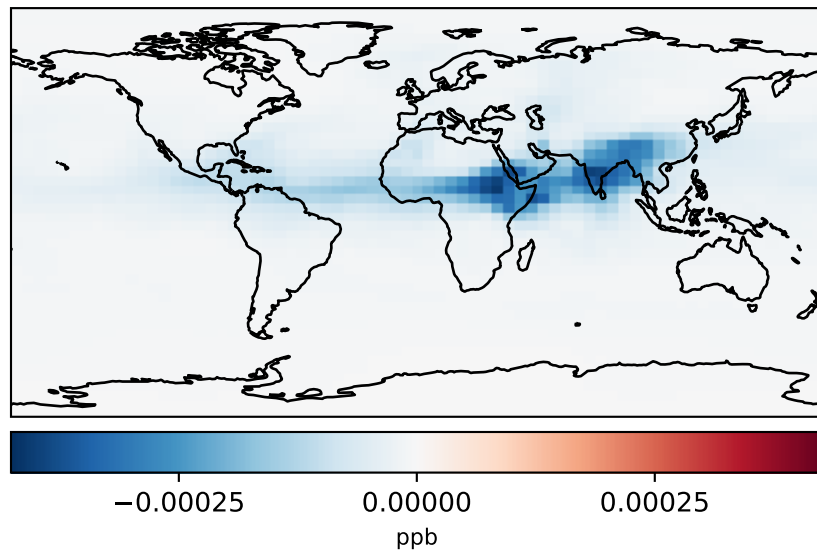


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

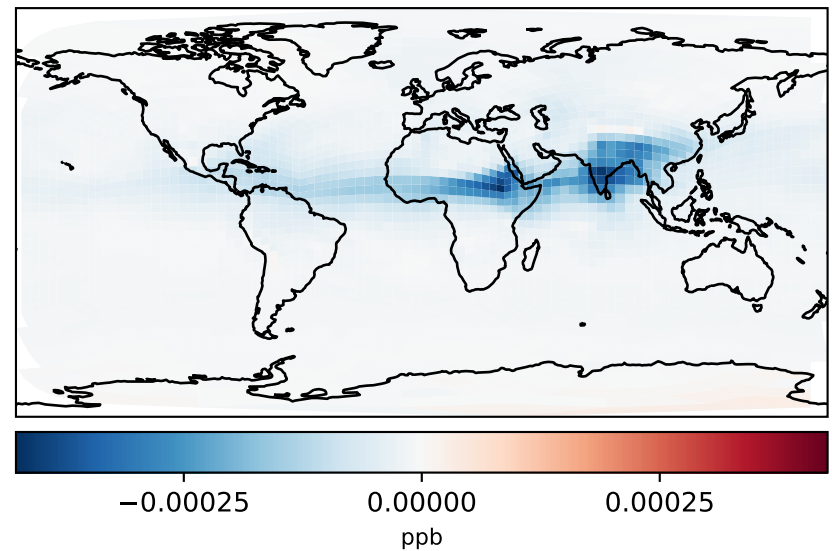


SpeciesConcVV_MENO3

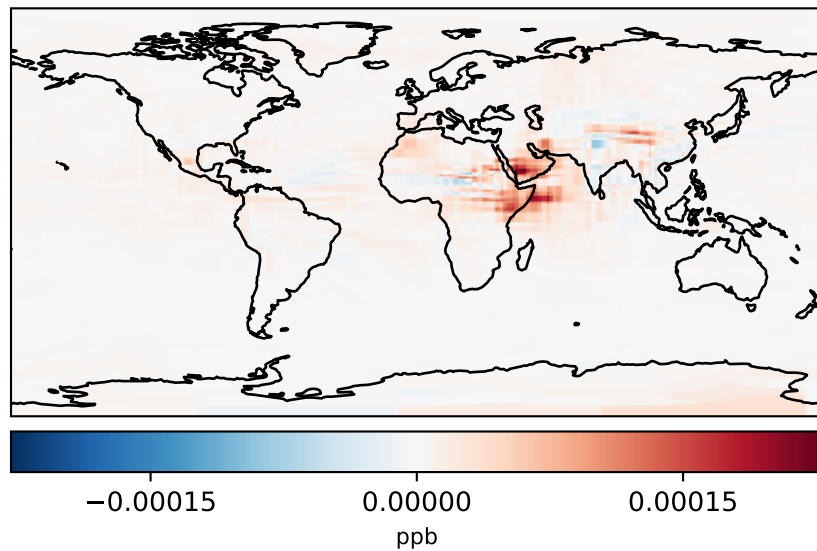
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



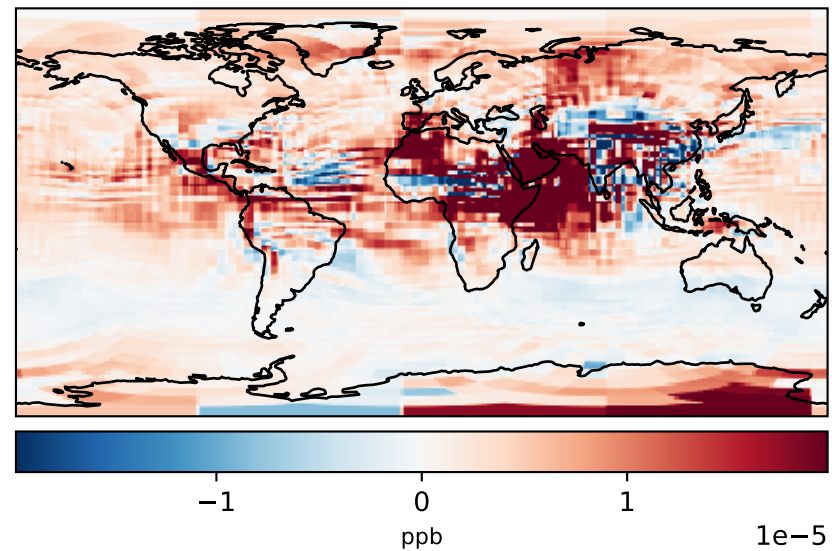
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



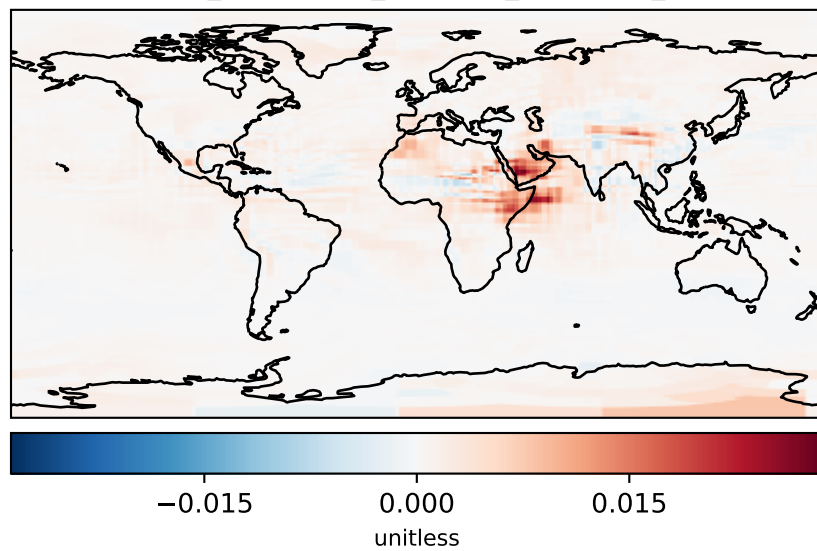
Difference (1x1.25)
Dev - Ref, Dynamic Range



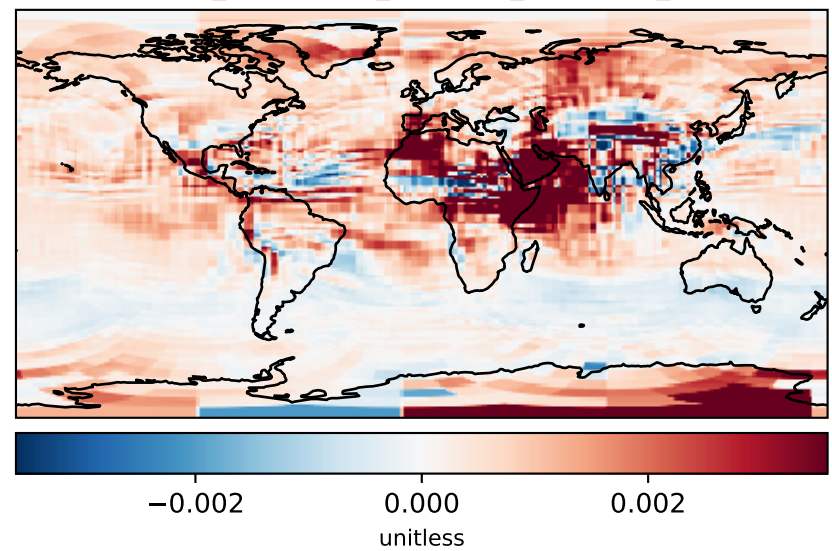
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

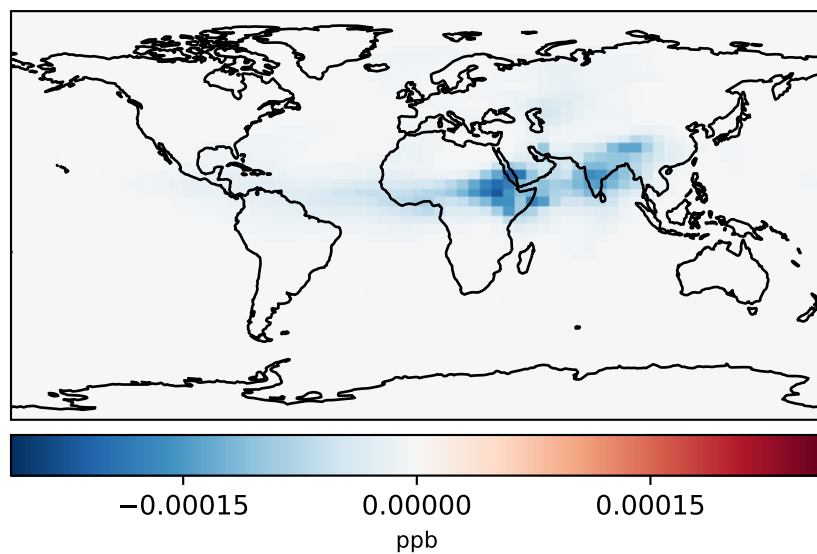


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

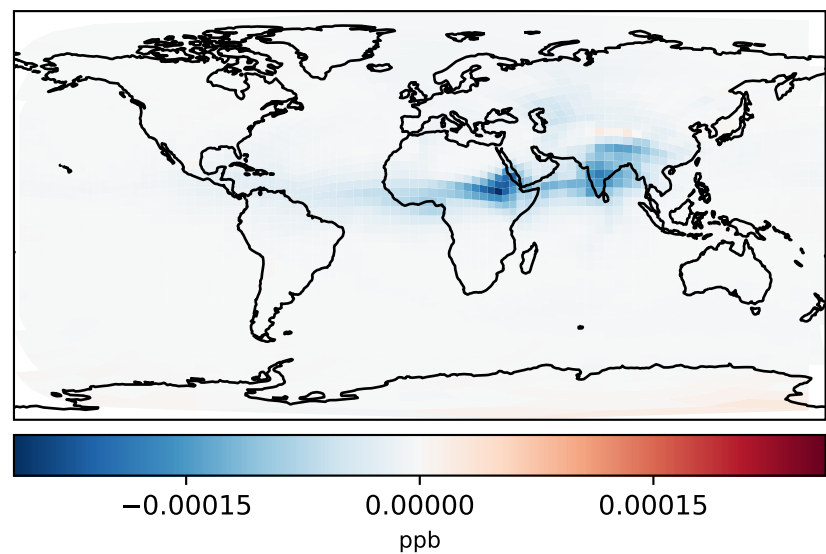


SpeciesConcVV_ETNO3

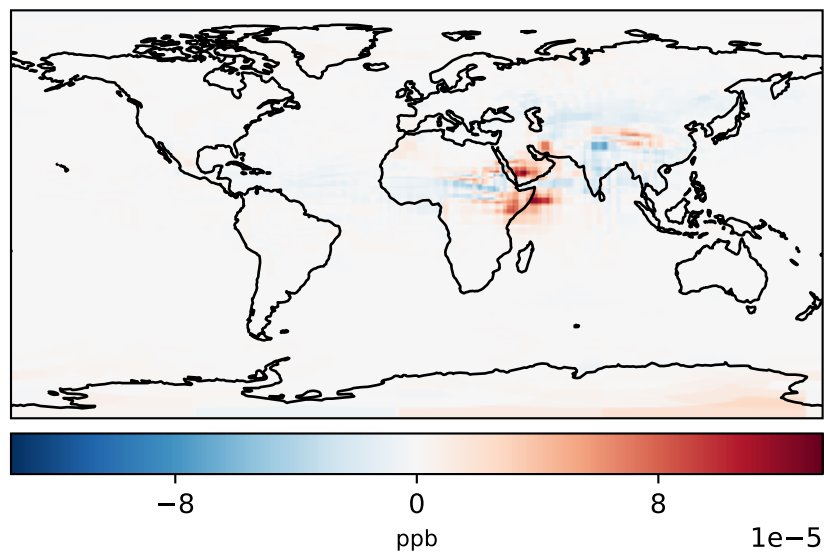
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



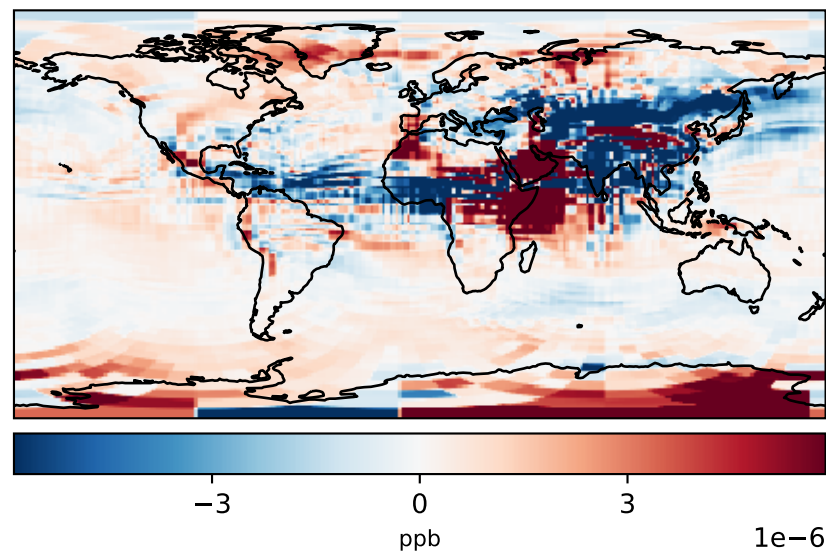
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



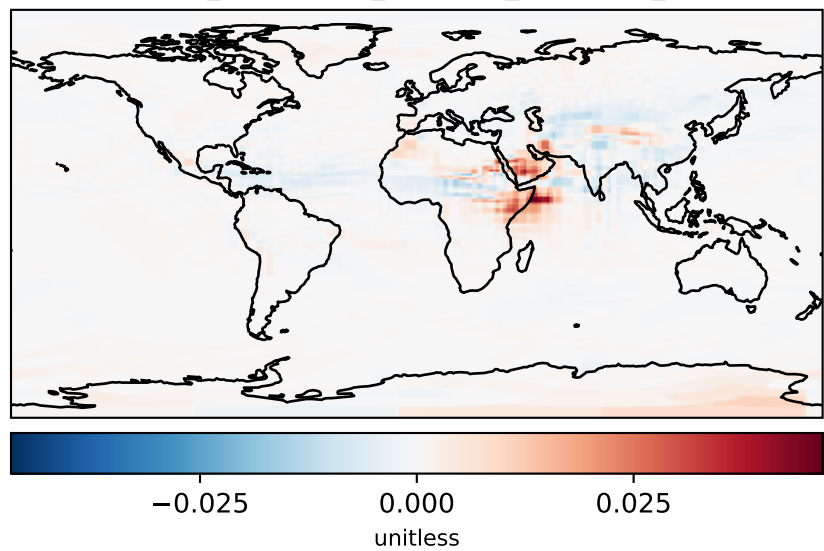
Difference (1x1.25)
Dev - Ref, Dynamic Range



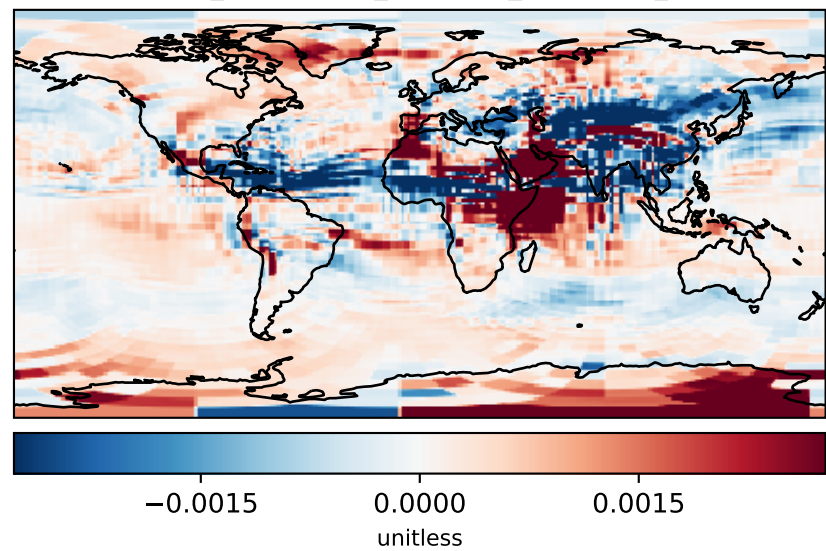
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

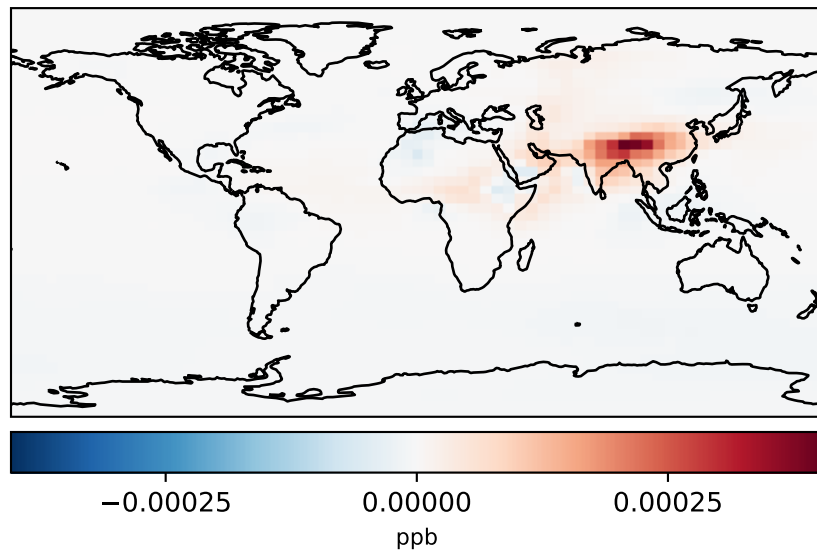


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

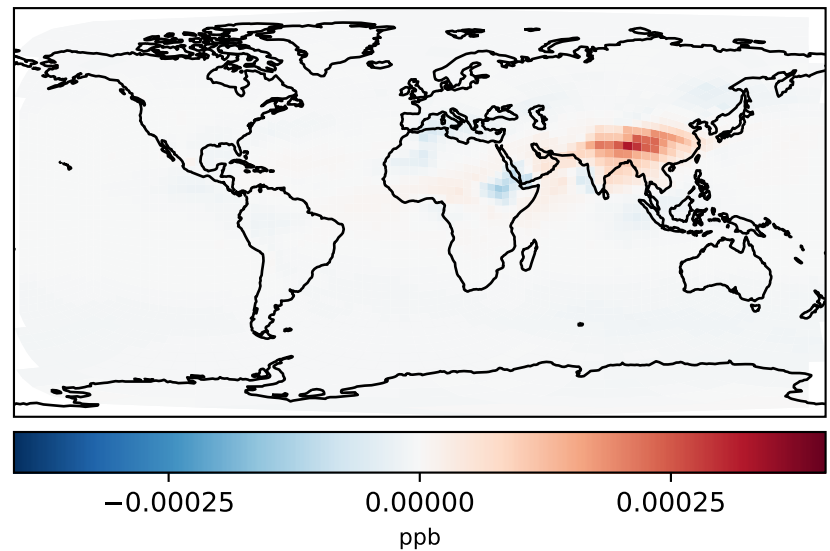


SpeciesConcVV_IPRNO3

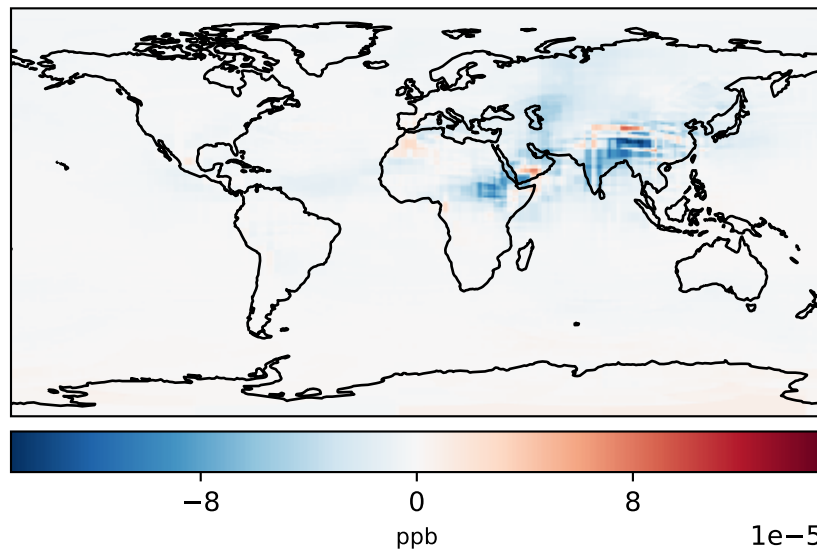
gcc-4x5-1Mon-14.7.0-alpha.17 -_gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



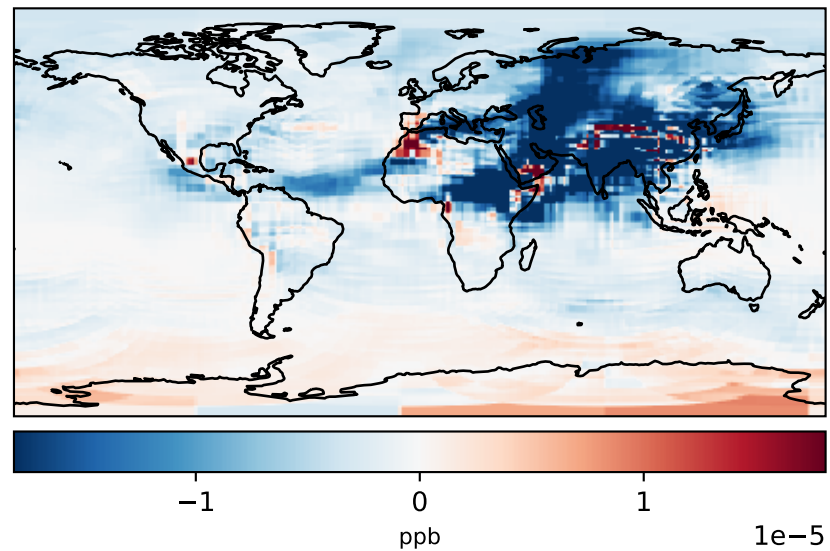
gchp-c24-1Mon-14.7.0-alpha.17 -_gchp-c24-1Mon-14.6.3 (Dev)
c24



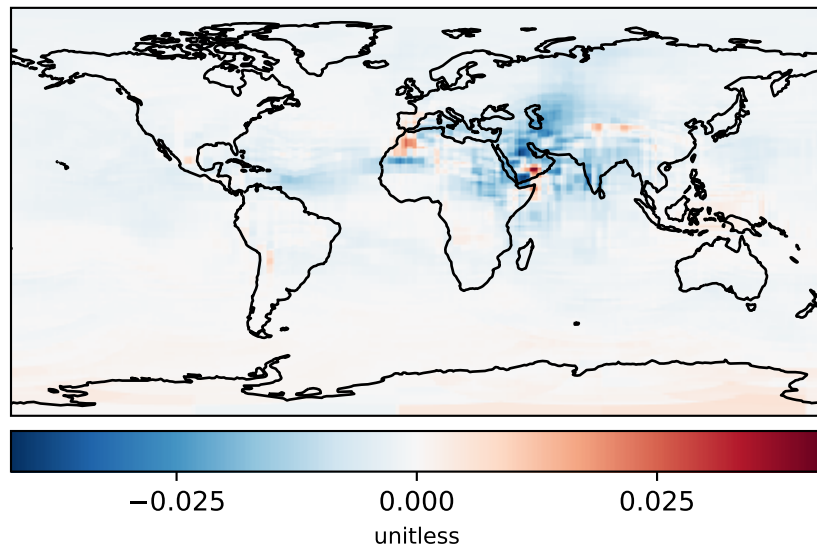
Difference (1x1.25)
Dev - Ref, Dynamic Range



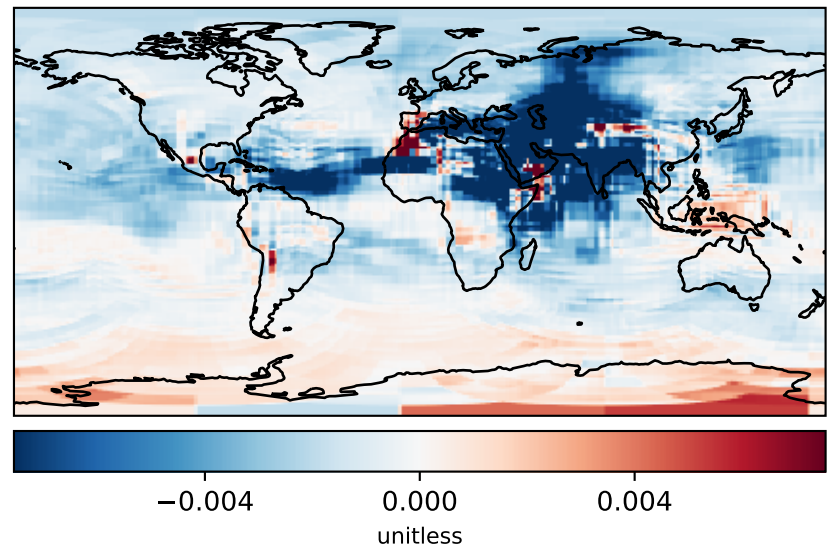
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

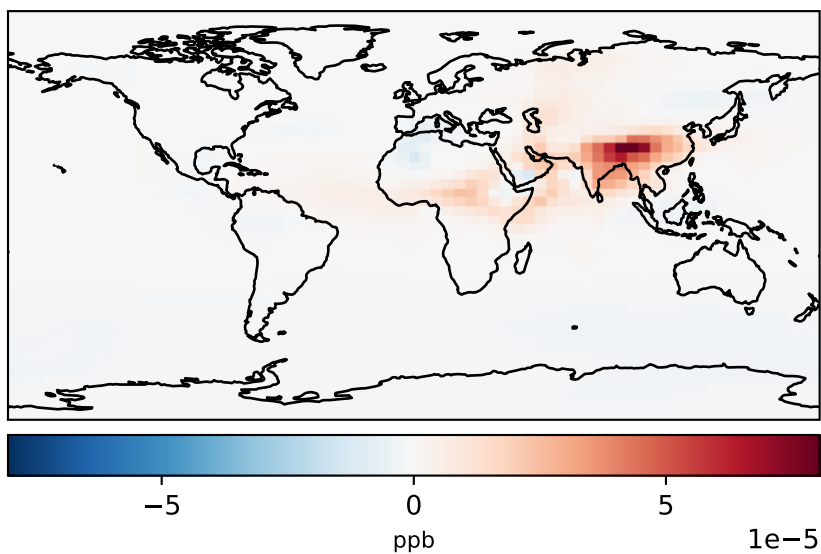


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

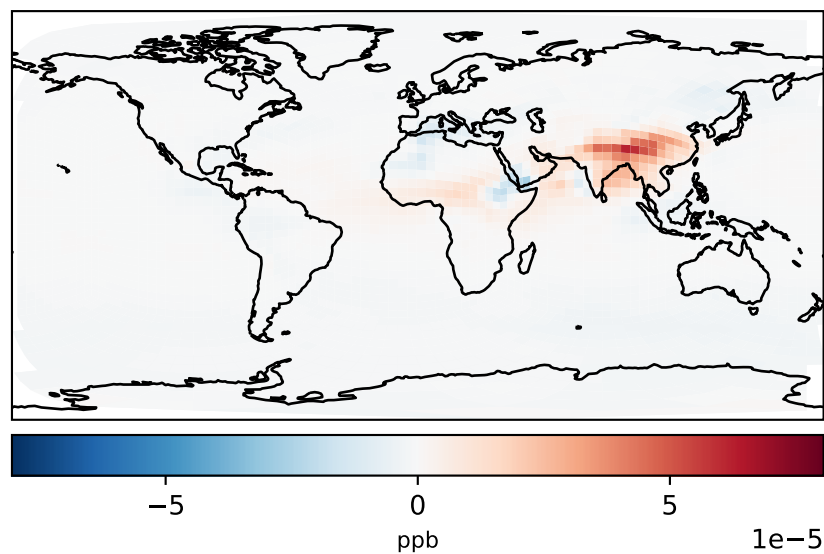


SpeciesConcVW_NPRNO3

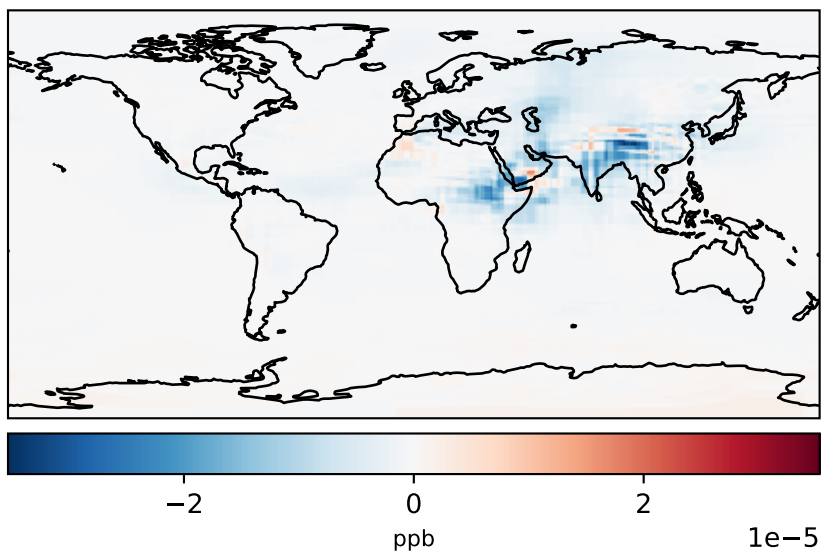
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



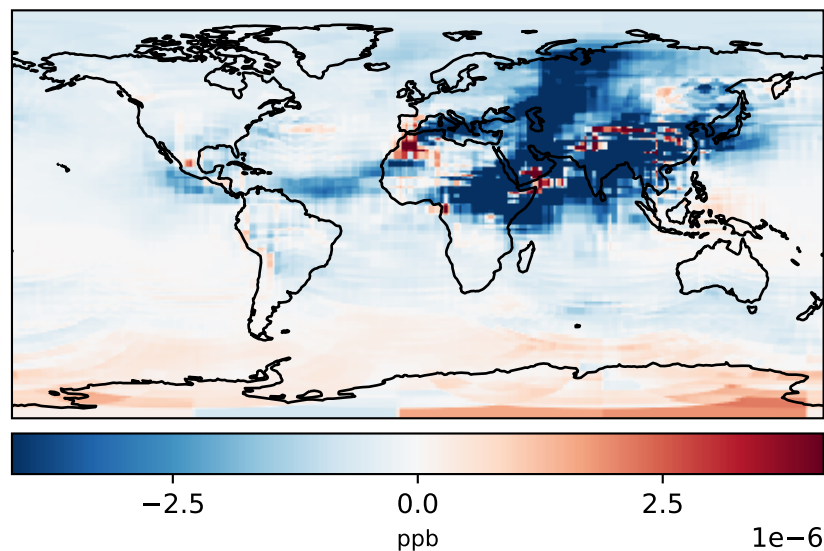
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



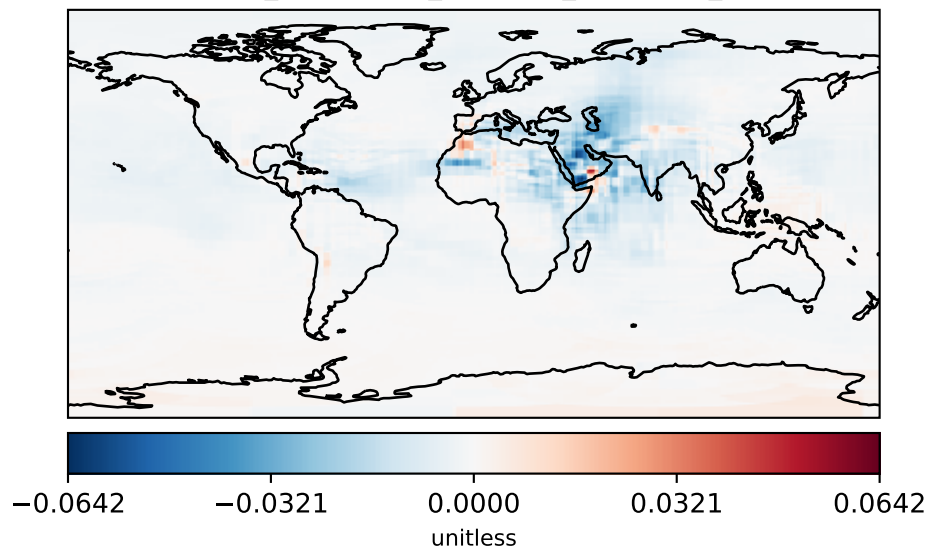
Difference (1x1.25)
Dev - Ref, Dynamic Range



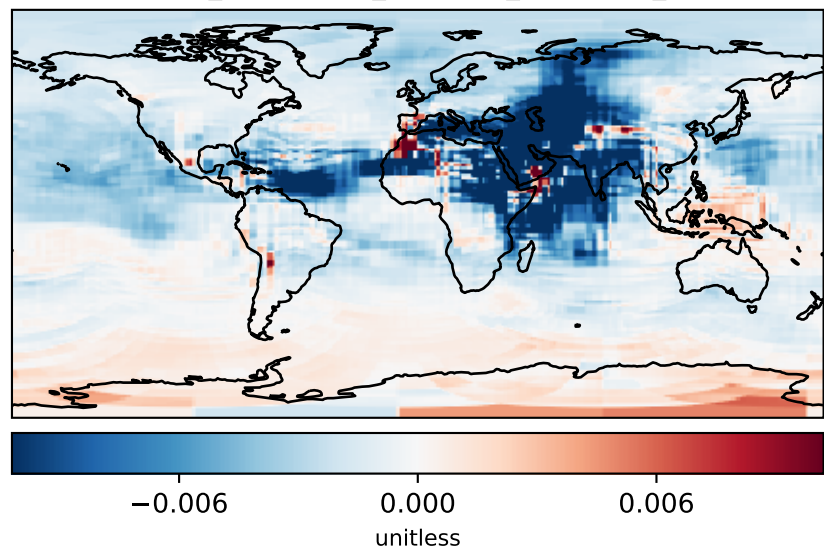
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

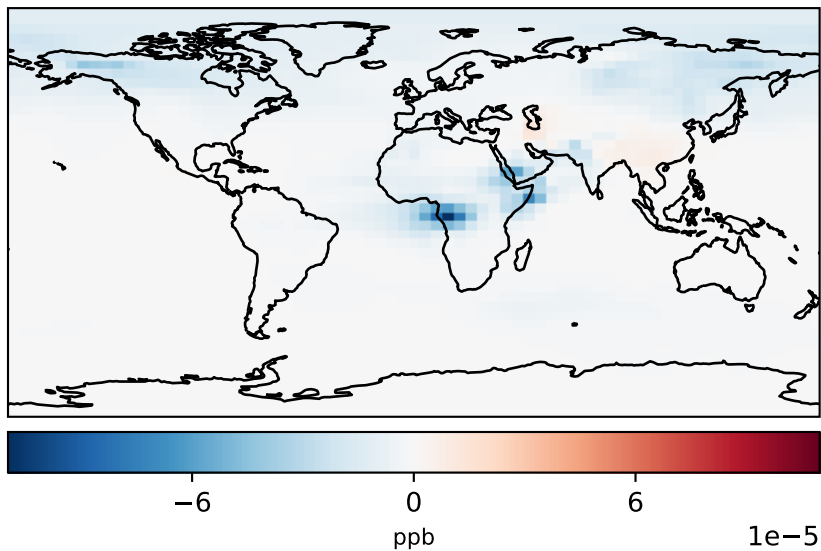


Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$

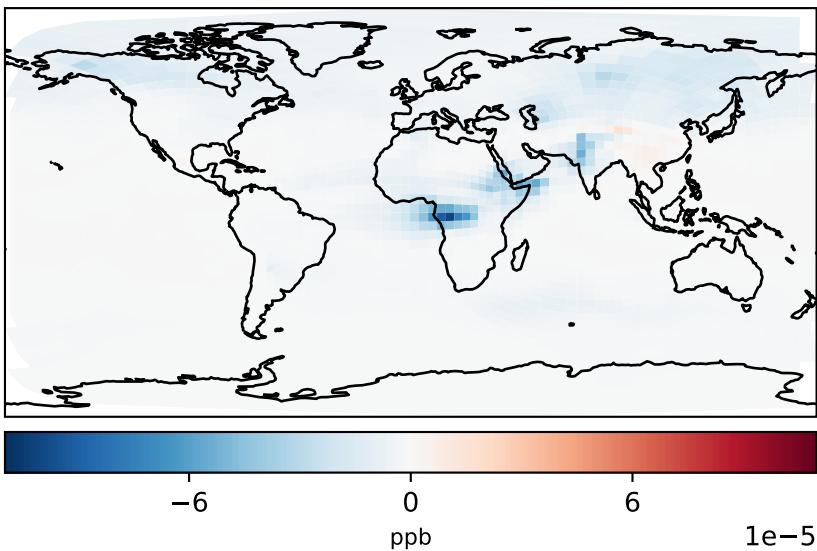


SpeciesConcVW_AONITA

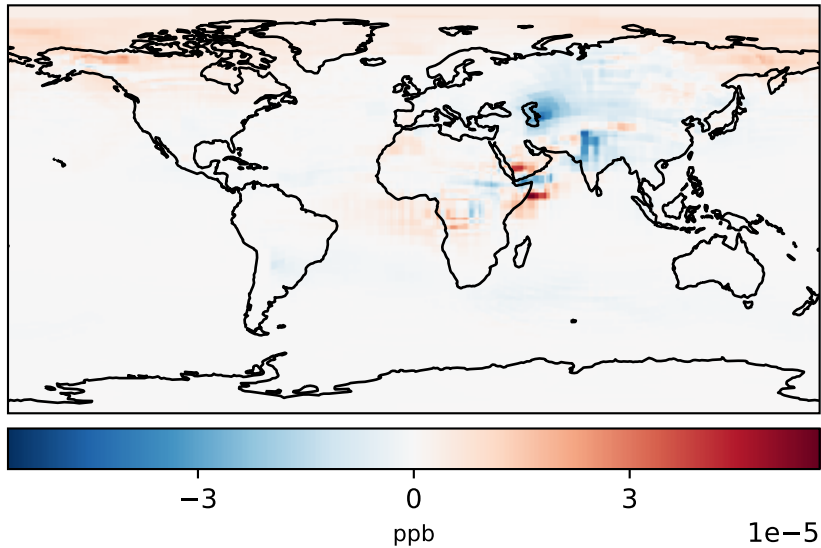
gcc-4x5-1Mon-14.7.0-alpha.17 -_gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



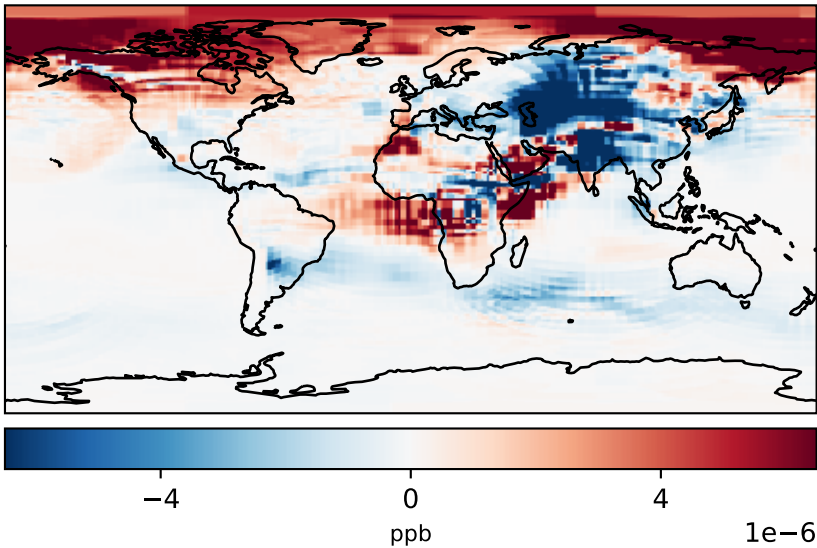
gchp-c24-1Mon-14.7.0-alpha.17 -_gchp-c24-1Mon-14.6.3 (Dev)
c24



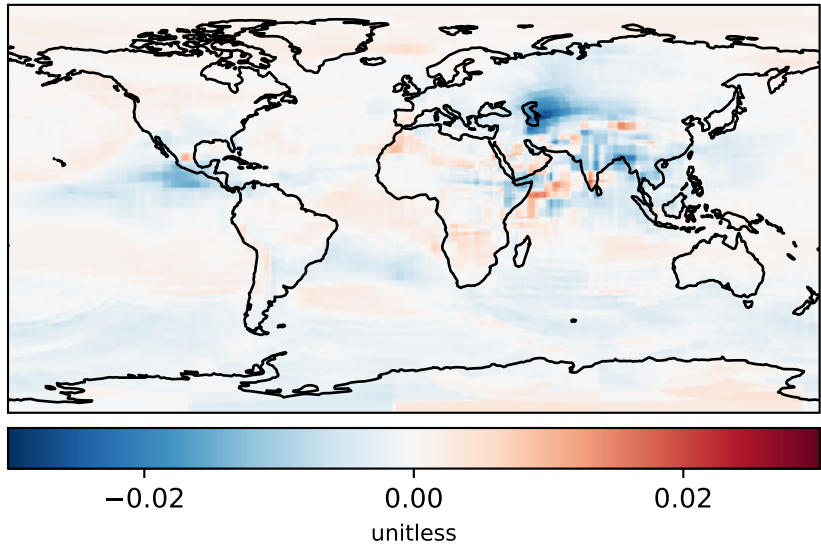
Difference (1x1.25)
Dev - Ref, Dynamic Range



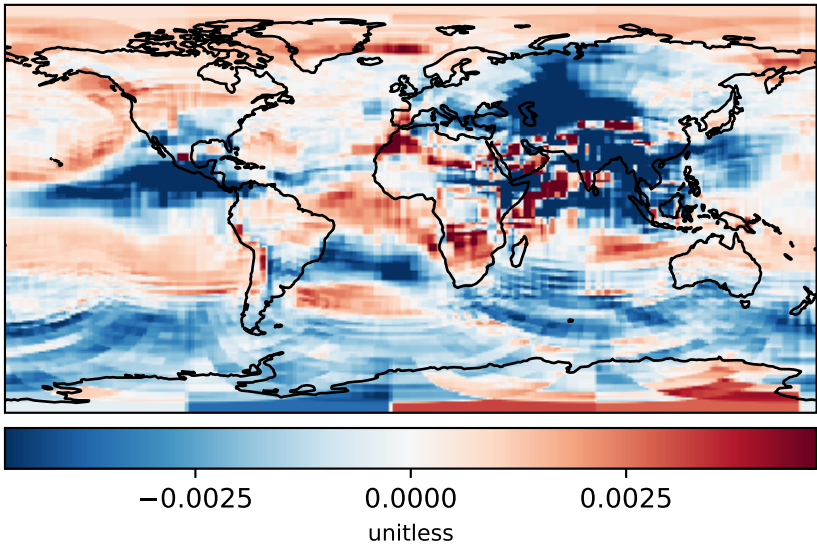
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

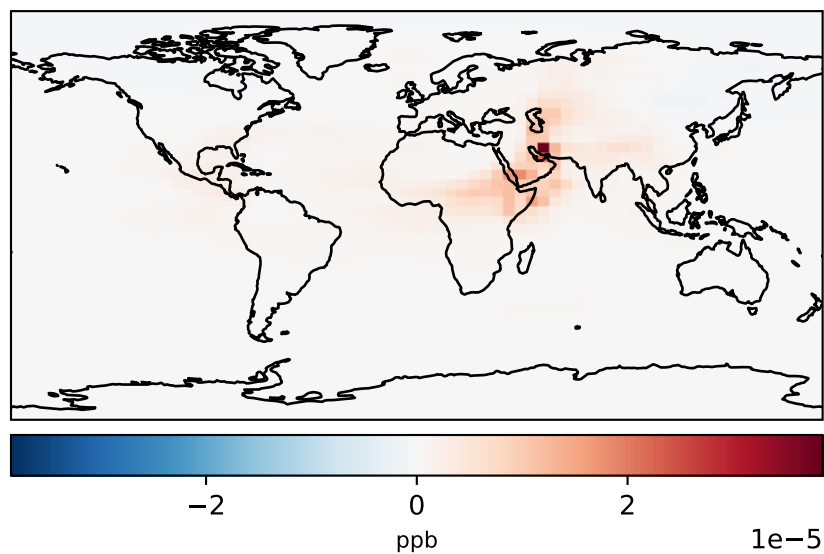


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

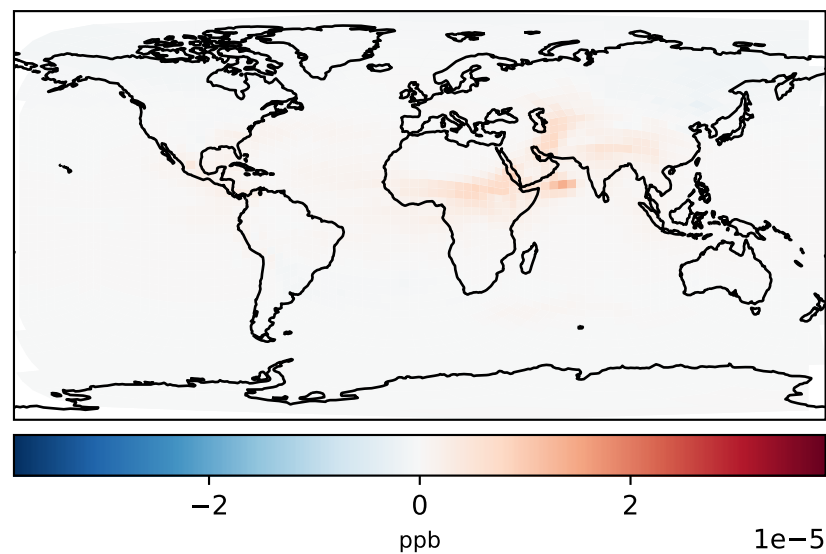


SpeciesConcVV_ETHN

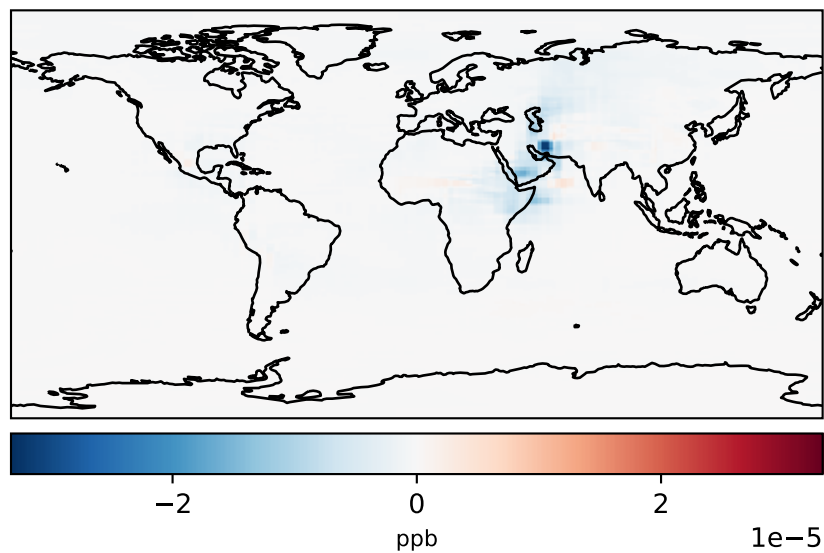
gcc-4x5-1Mon-14.7.0-alpha.17 - _gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



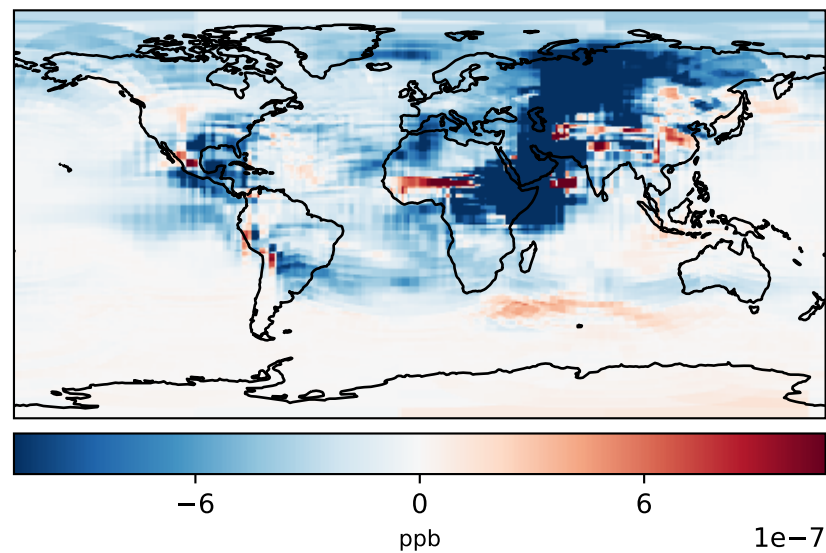
gchp-c24-1Mon-14.7.0-alpha.17 - _gchp-c24-1Mon-14.6.3 (Dev)
c24



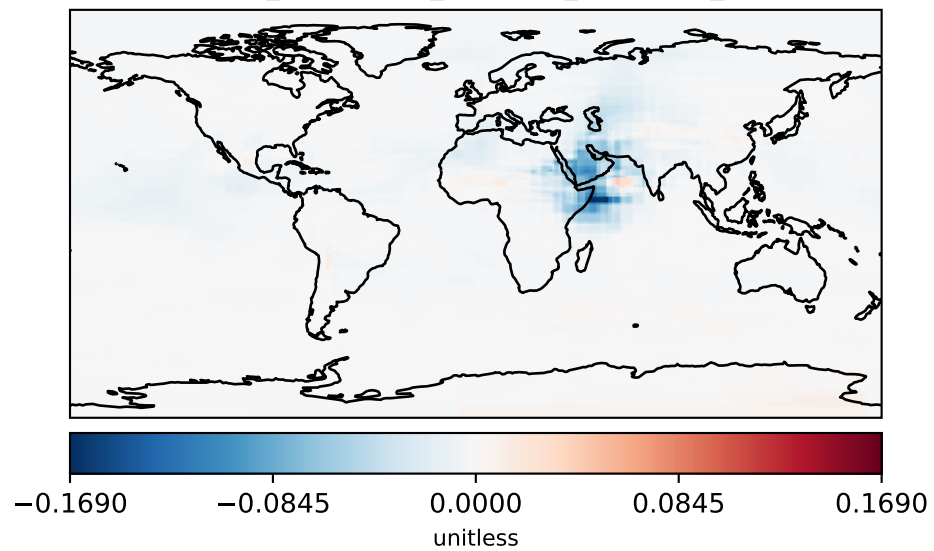
Difference (1x1.25)
Dev - Ref, Dynamic Range



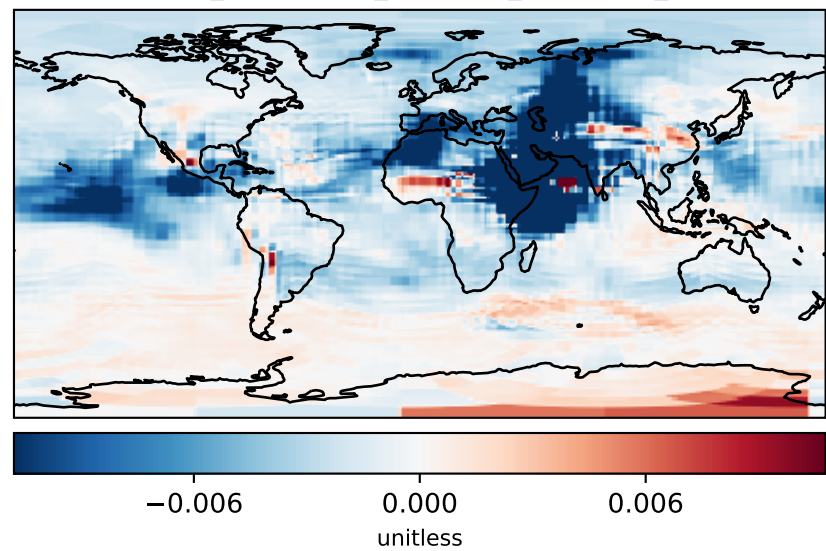
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

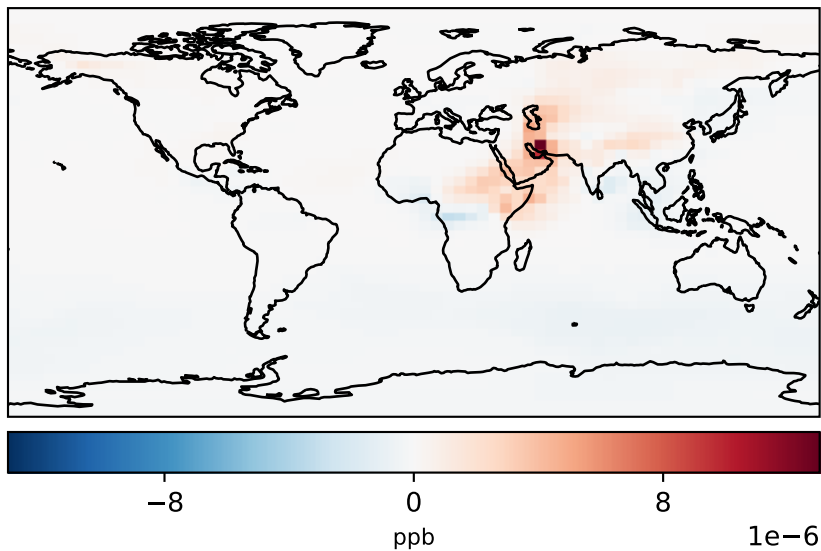


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

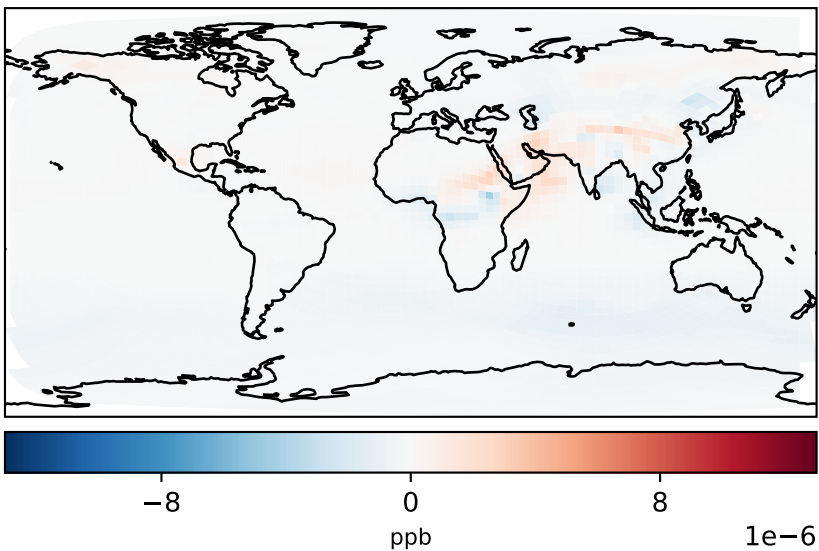


SpeciesConcVV_BZPAN

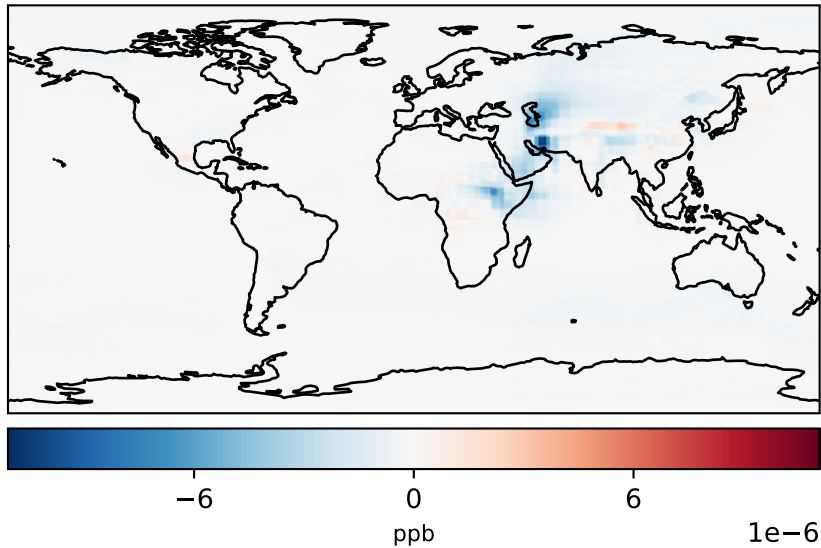
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



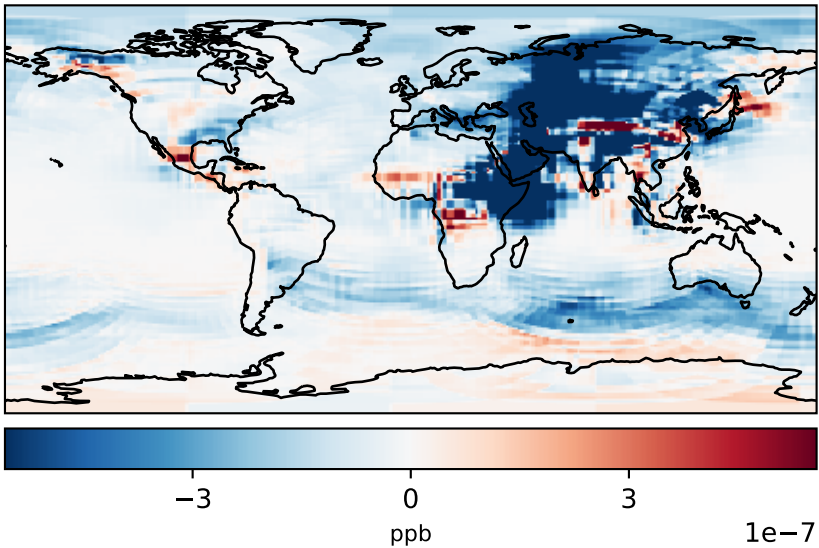
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



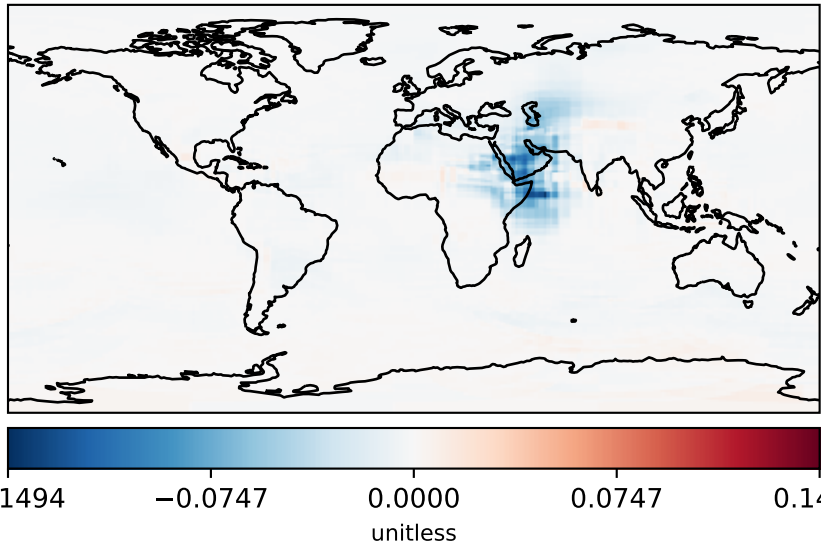
Difference (1x1.25)
Dev - Ref, Dynamic Range



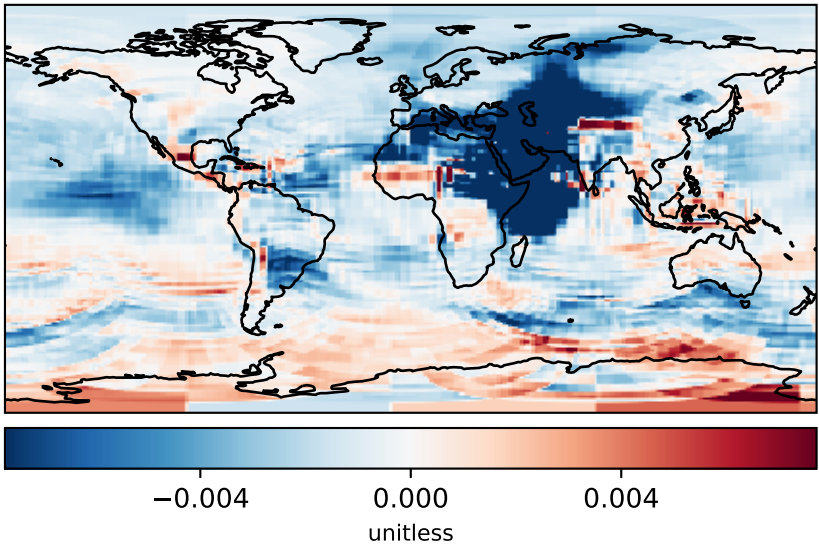
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

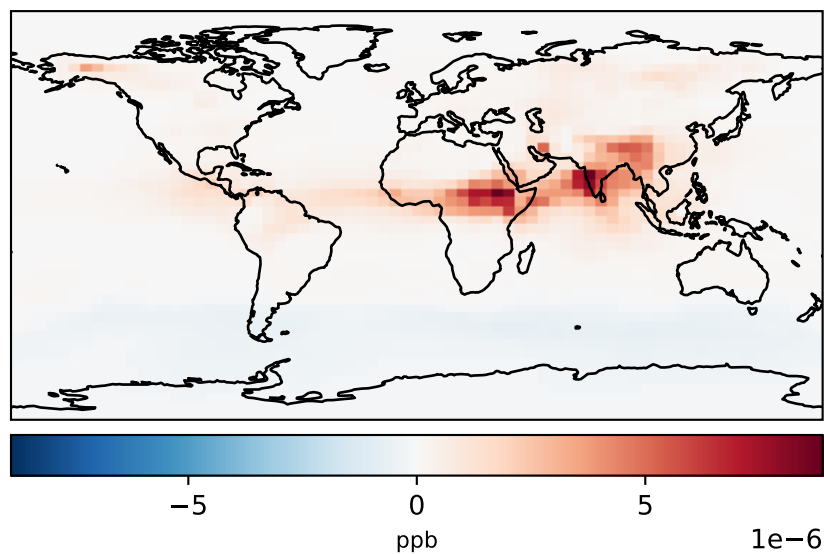


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

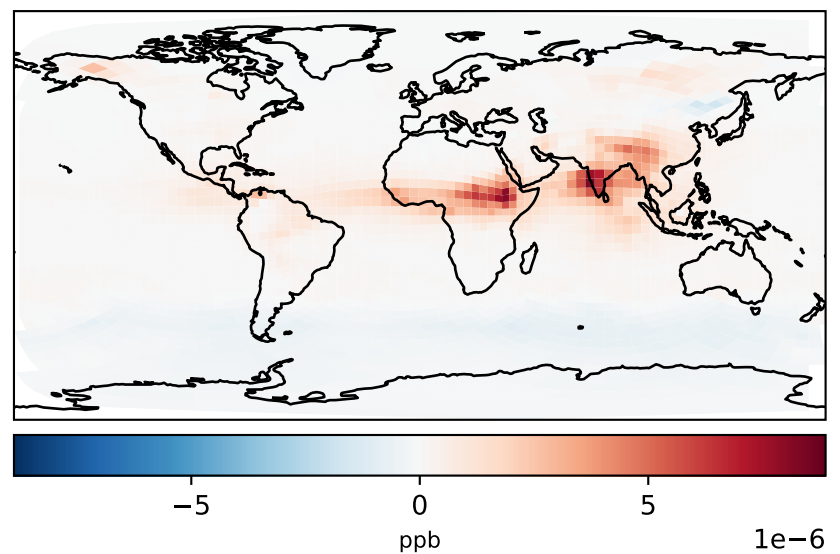


SpeciesConcVV_NPHEN

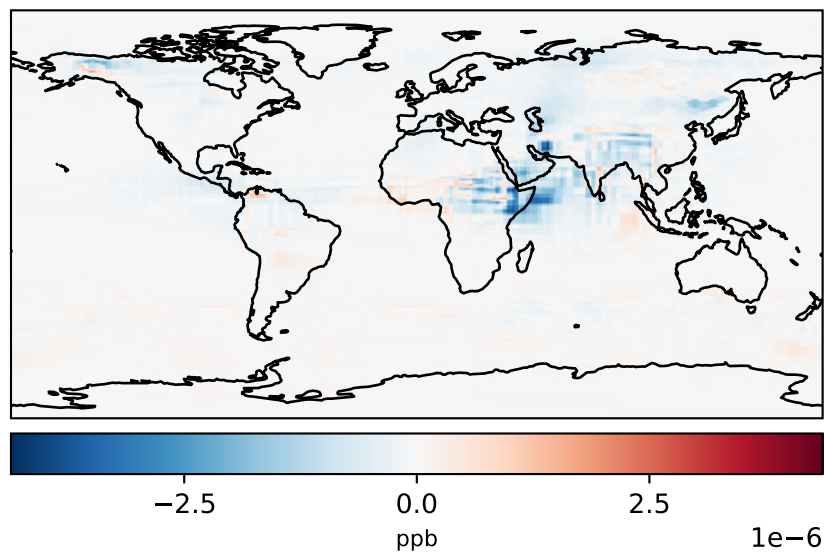
gcc-4x5-1Mon-14.7.0-alpha.17 - gcc-4x5-1Mon-14.6.3 (Ref)
4.0x5.0



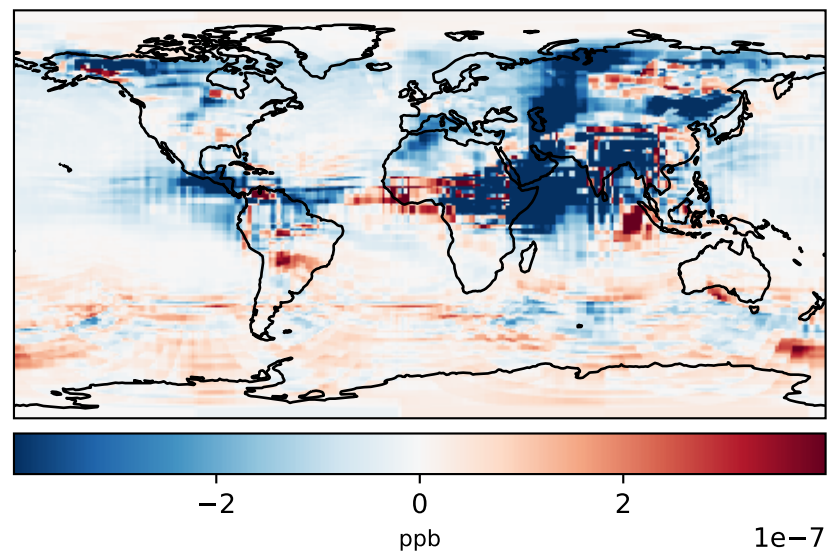
gchp-c24-1Mon-14.7.0-alpha.17 - gchp-c24-1Mon-14.6.3 (Dev)
c24



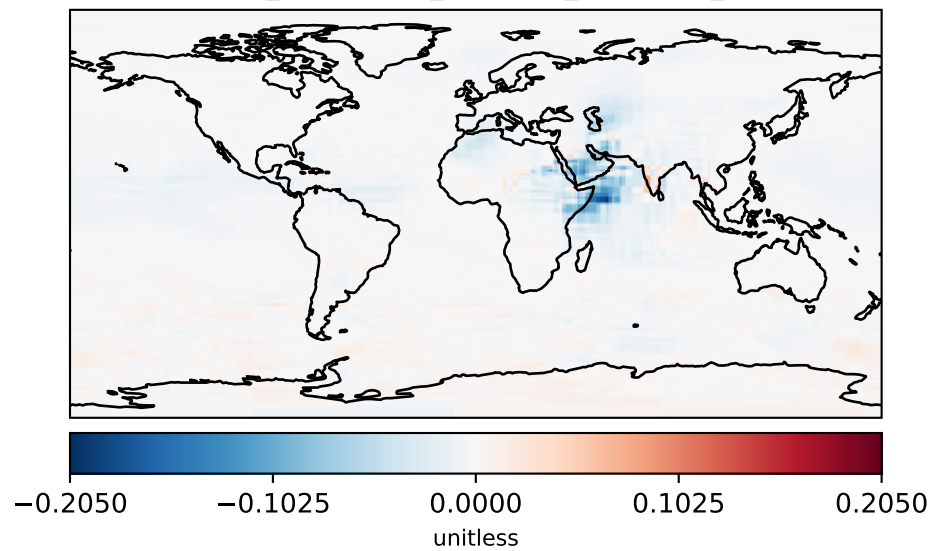
Difference (1x1.25)
Dev - Ref, Dynamic Range



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

