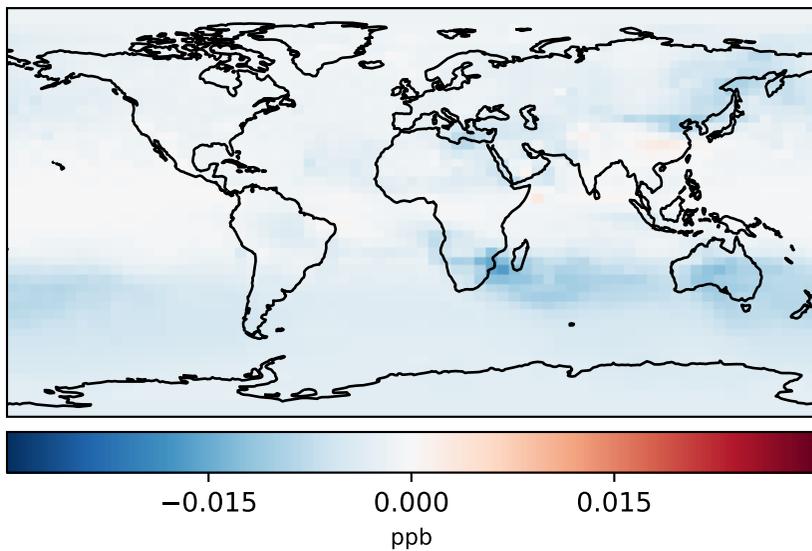
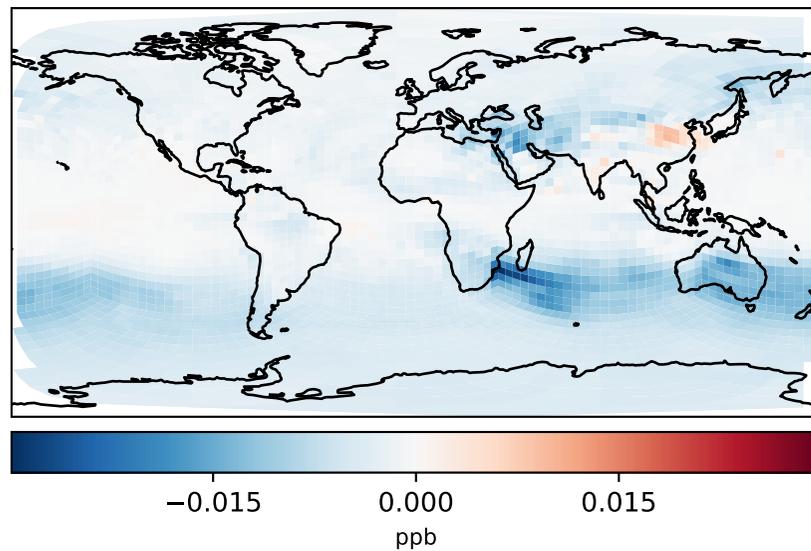


SpeciesConcVV_NOy (Oct2019)

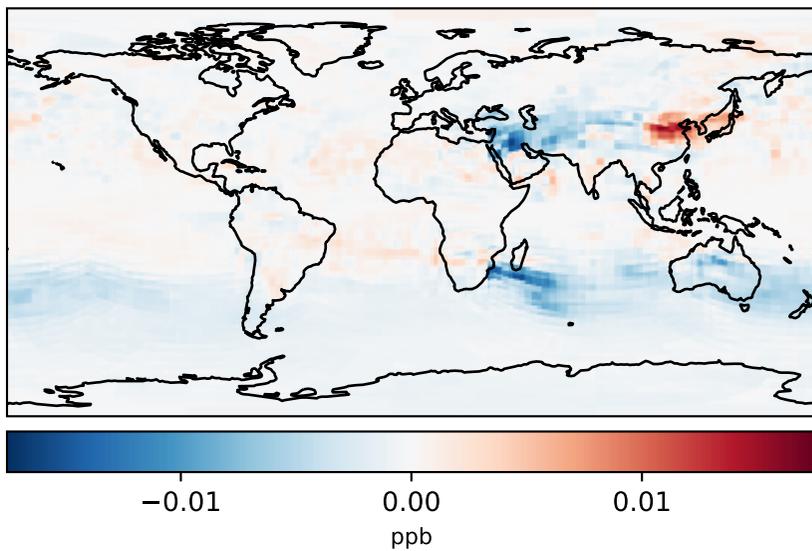
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



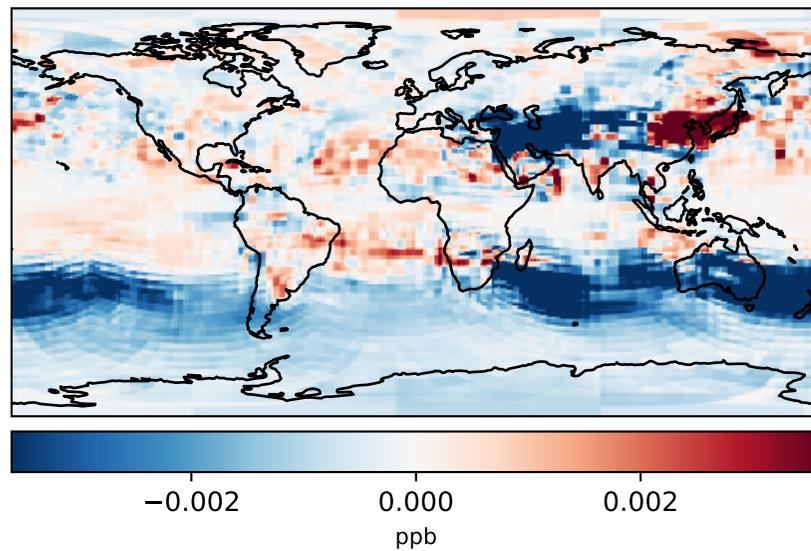
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



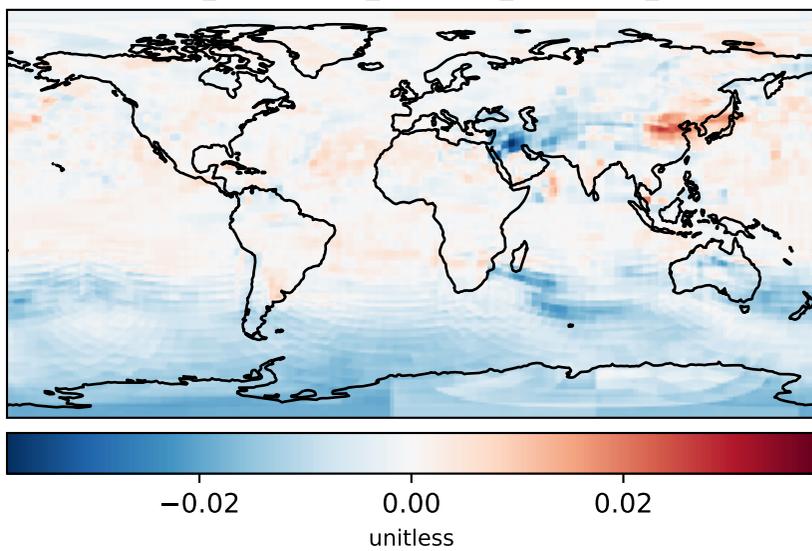
Difference (1x1.25)
Dev - Ref, Dynamic Range



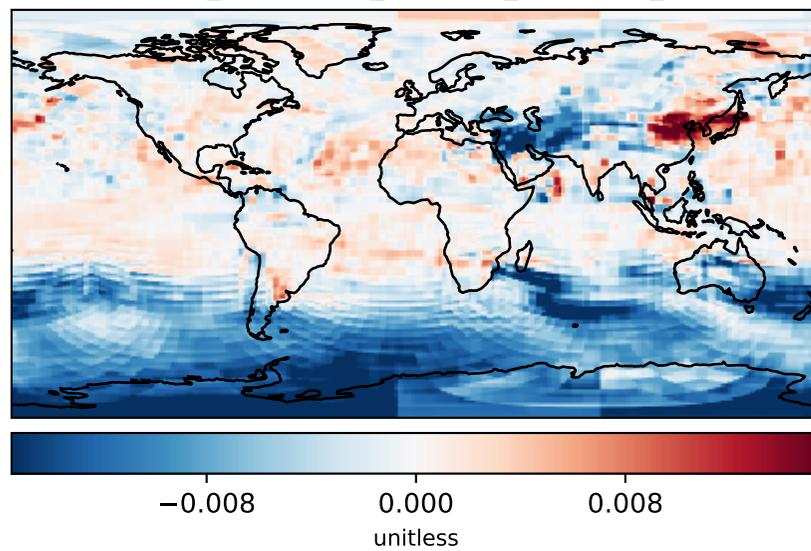
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

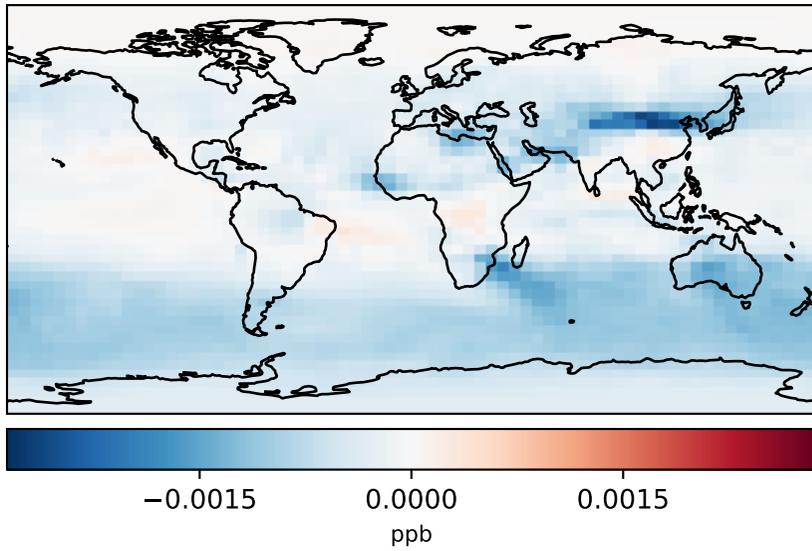


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

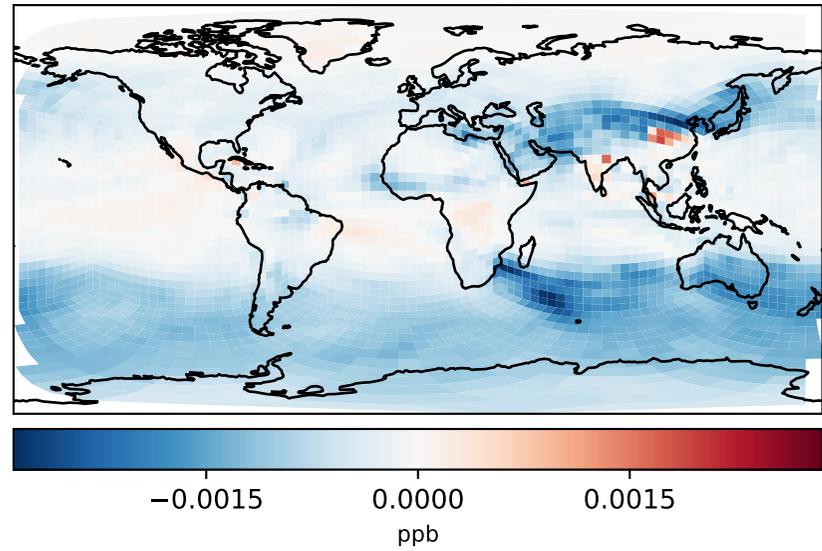


SpeciesConcVV_NOx (Oct2019)

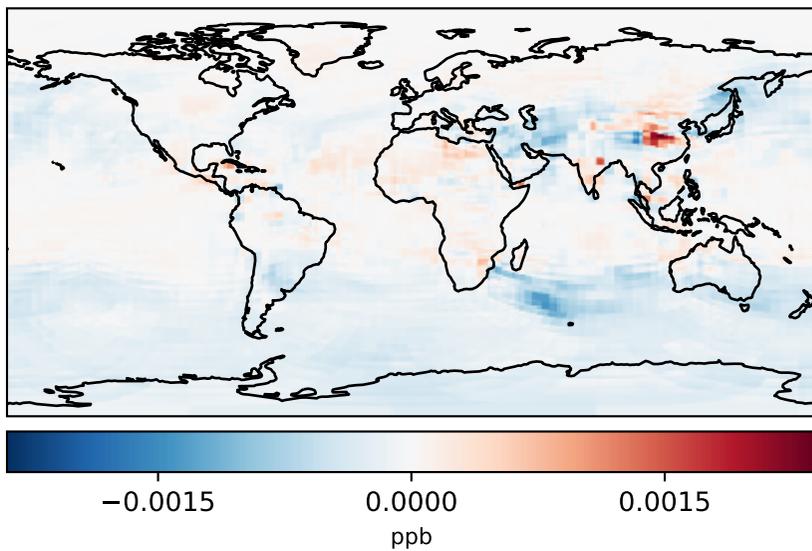
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



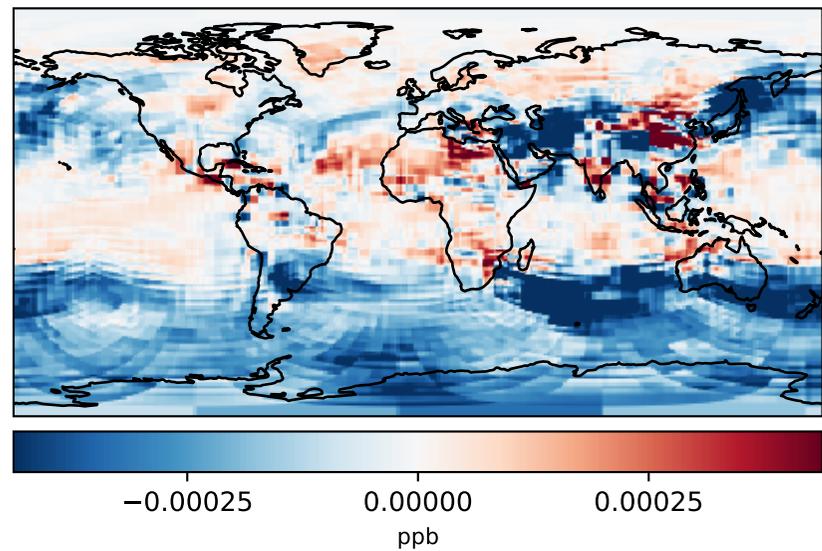
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



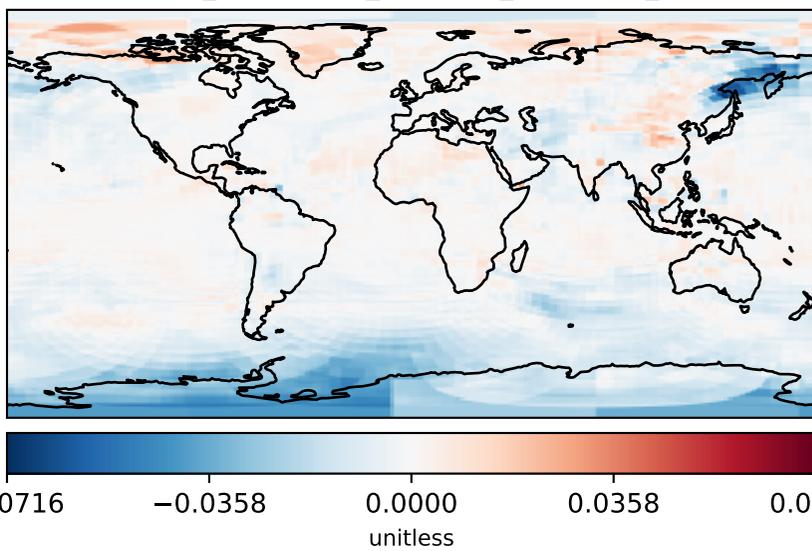
Difference (1x1.25)
Dev - Ref, Dynamic Range



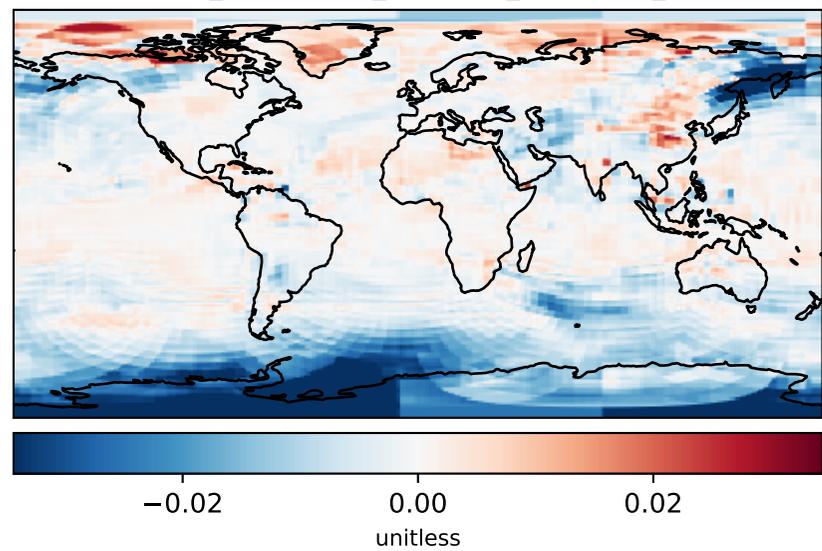
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

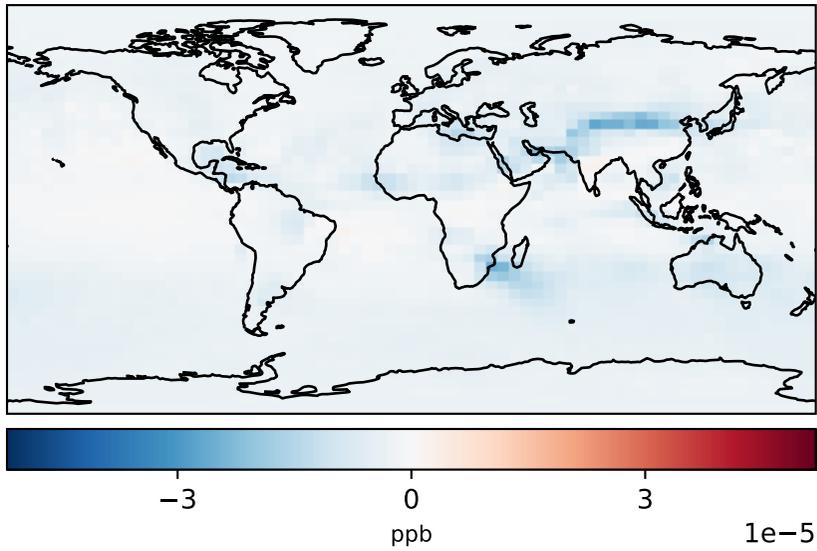


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

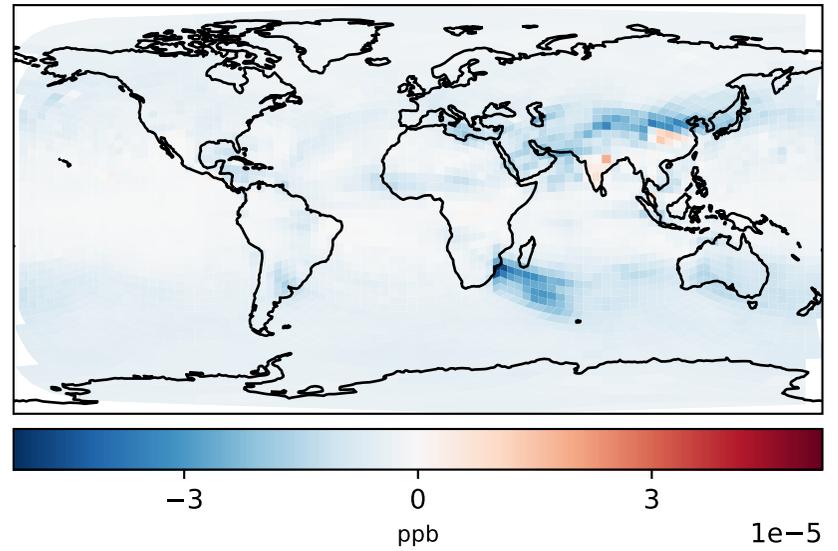


SpeciesConcVV_HNO2 (Oct2019)

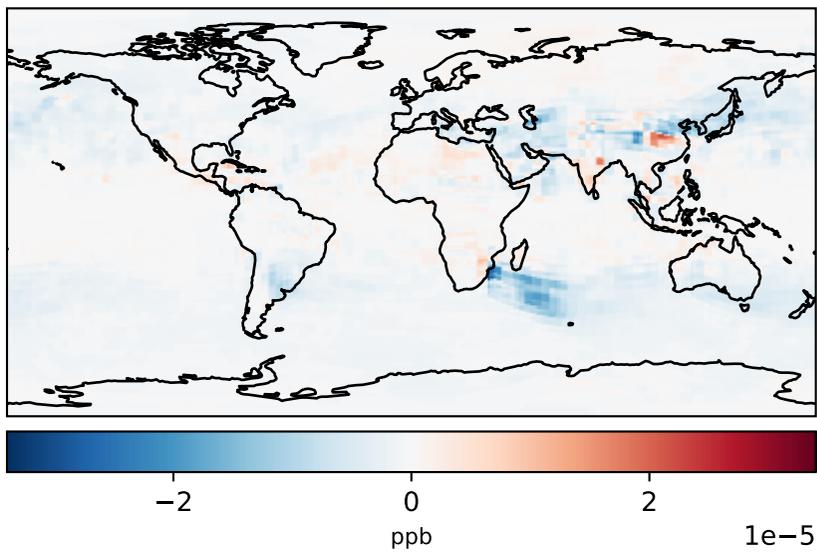
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



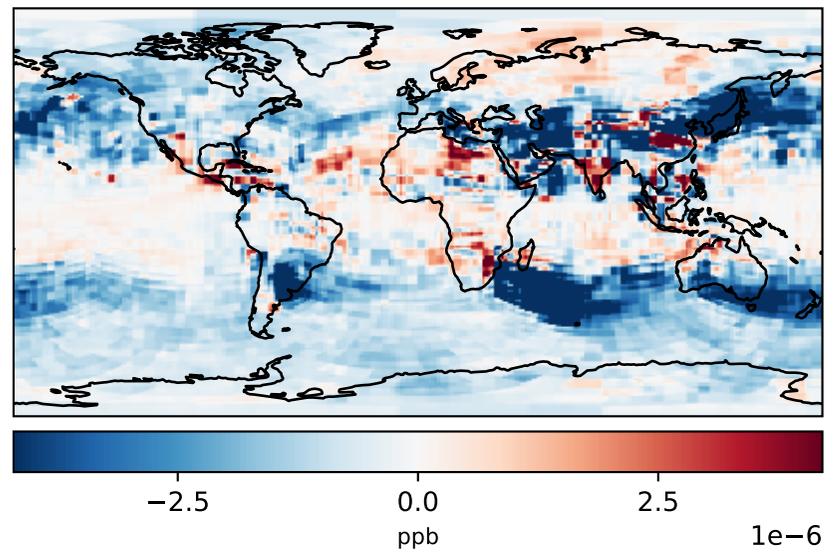
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



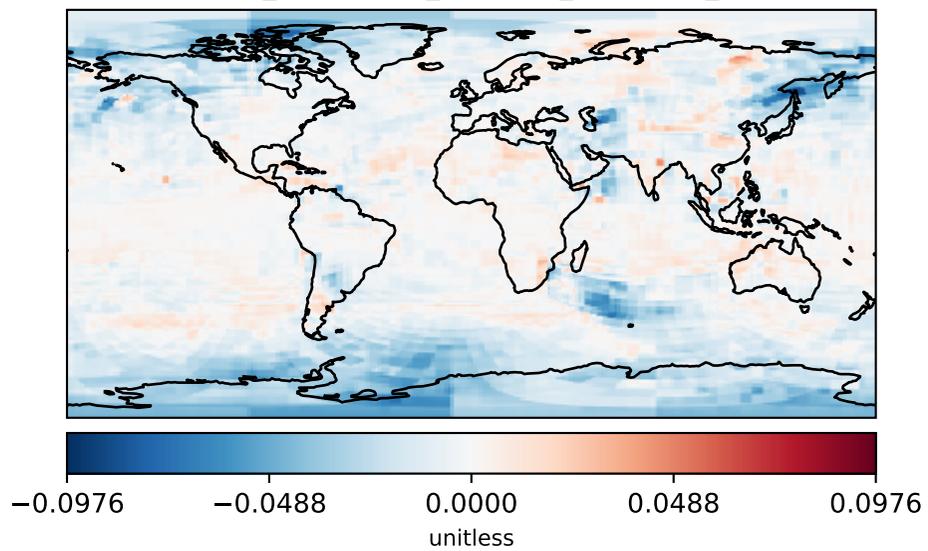
Difference (1x1.25)
Dev - Ref, Dynamic Range



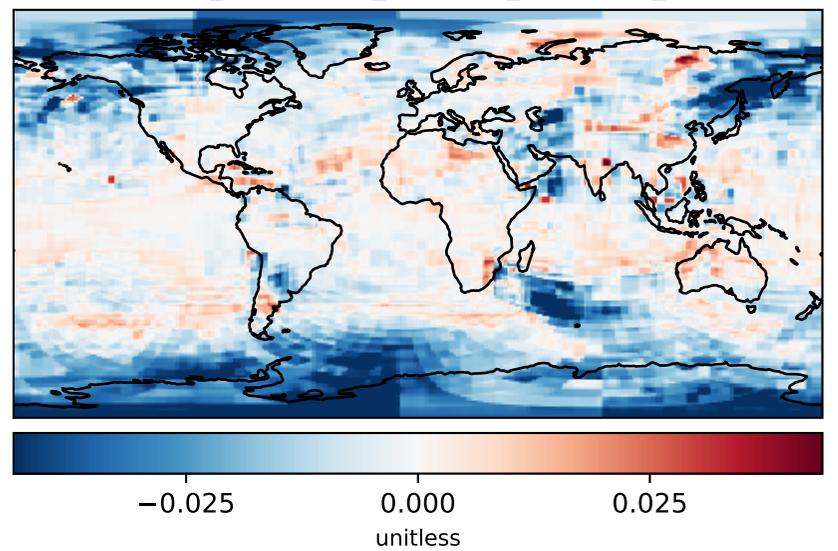
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

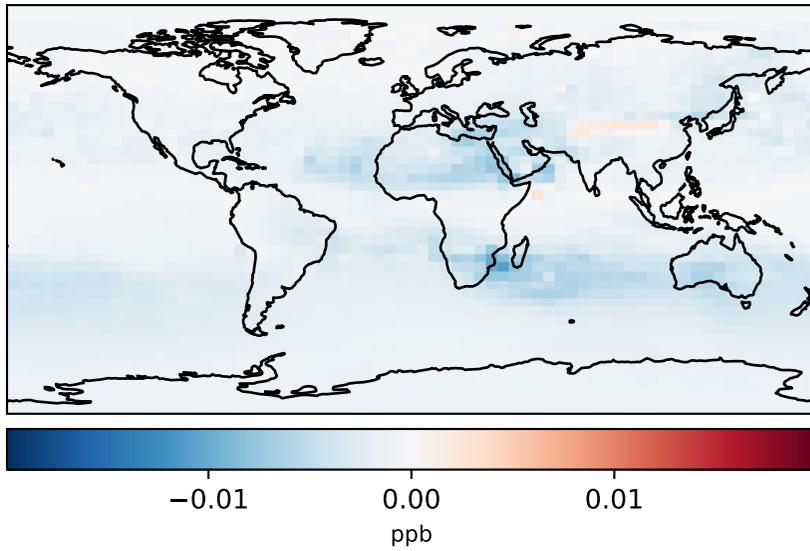


Difference (1x1.25), Restricted Range [5%,95%]
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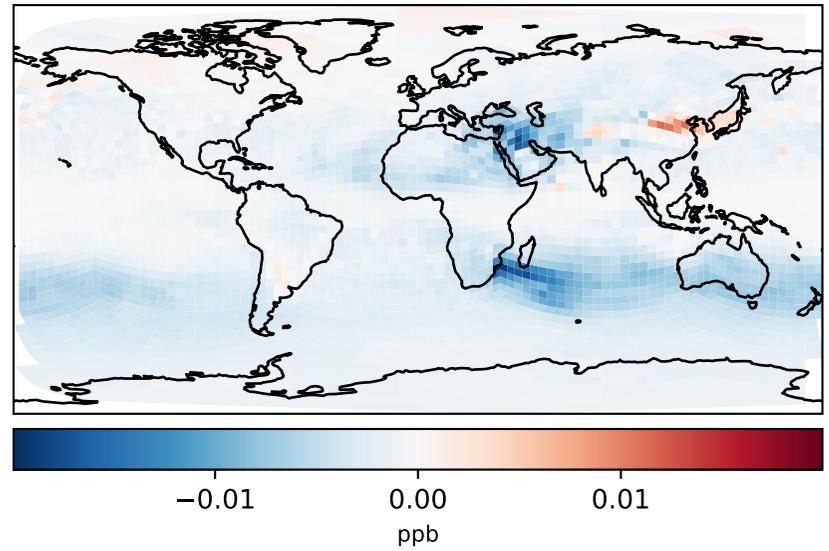


SpeciesConcVV_HNO3 (Oct2019)

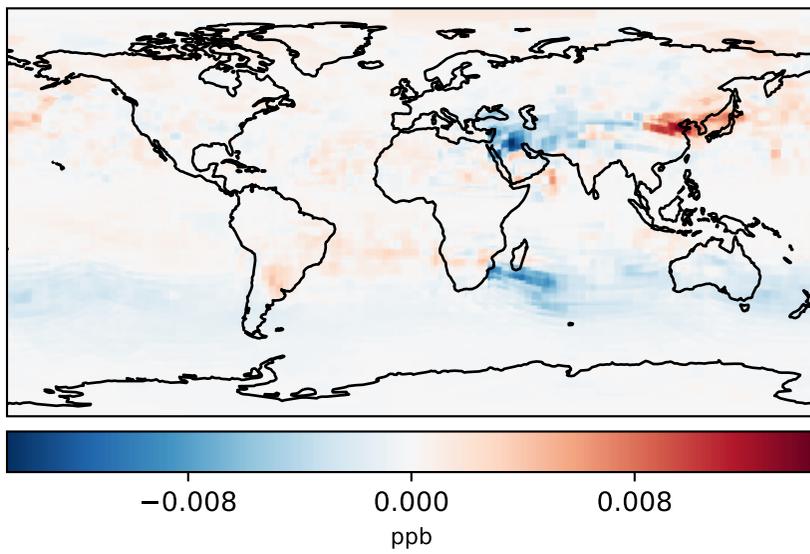
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



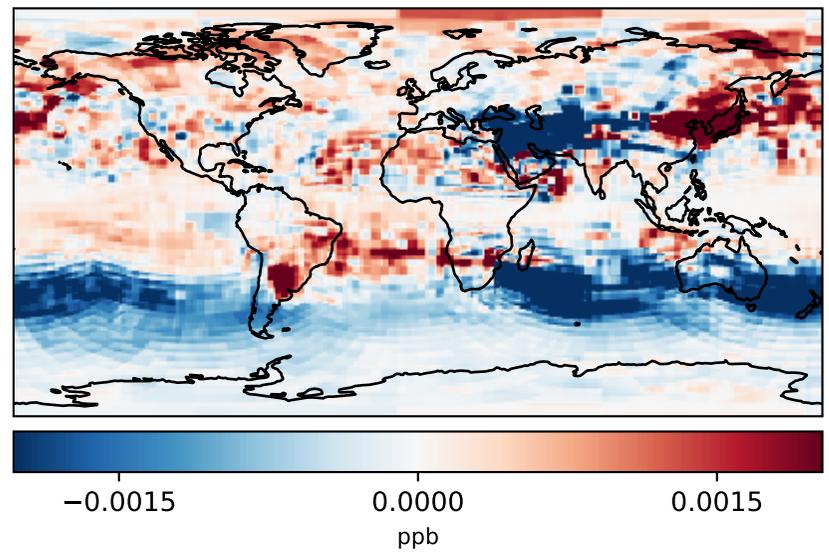
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



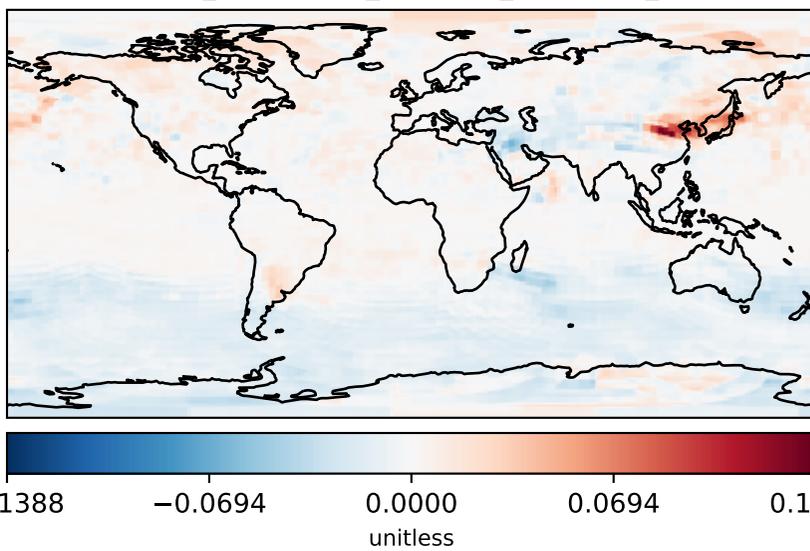
Difference (1x1.25)
Dev - Ref, Dynamic Range



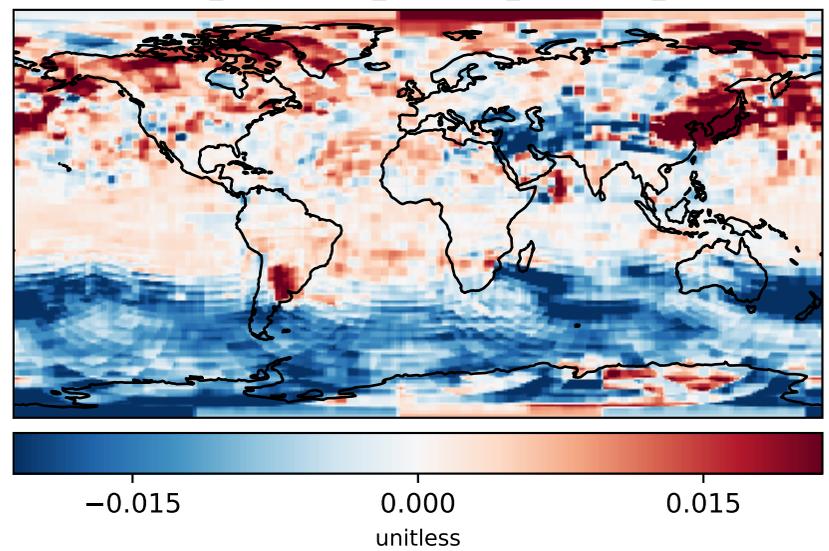
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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

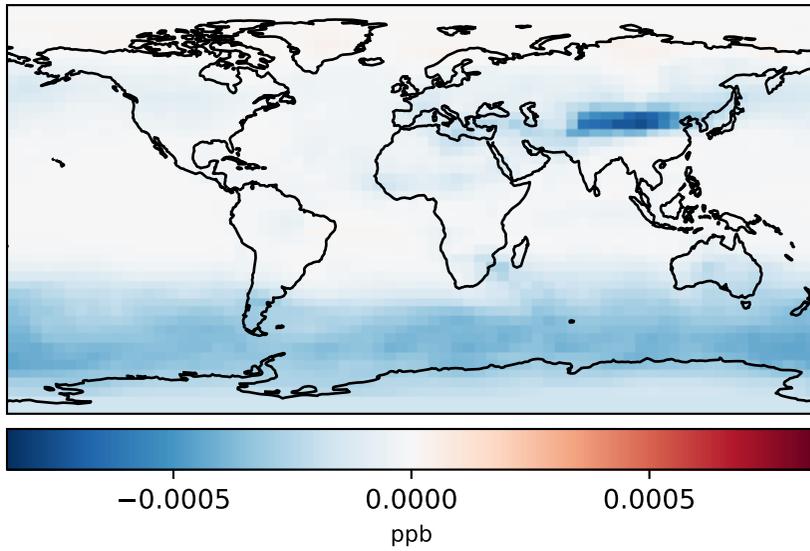


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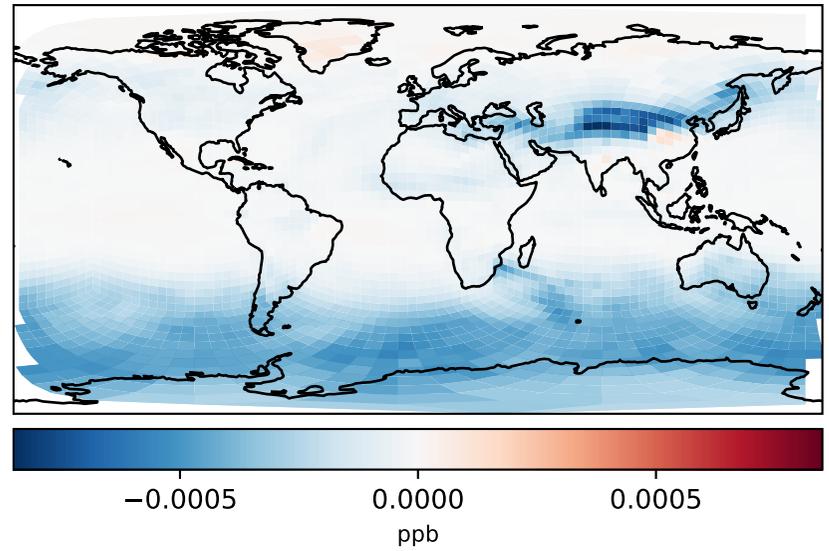
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unitless

SpeciesConcVV_HNO4 (Oct2019)

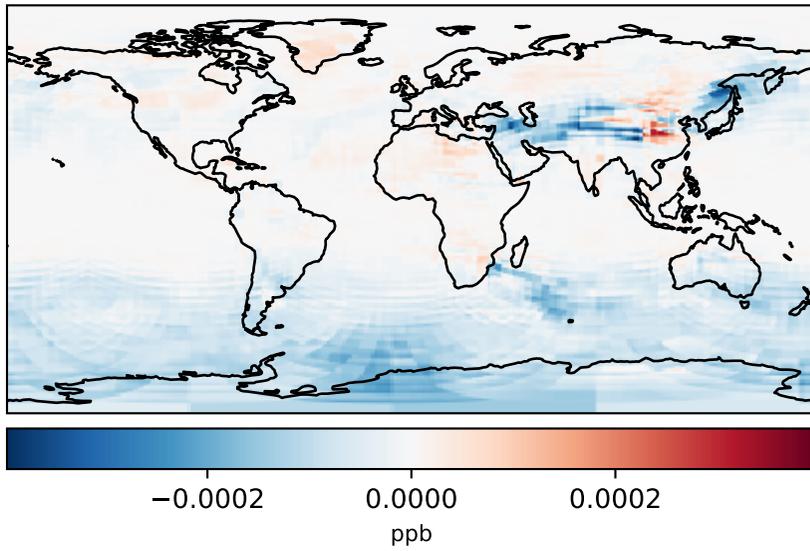
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



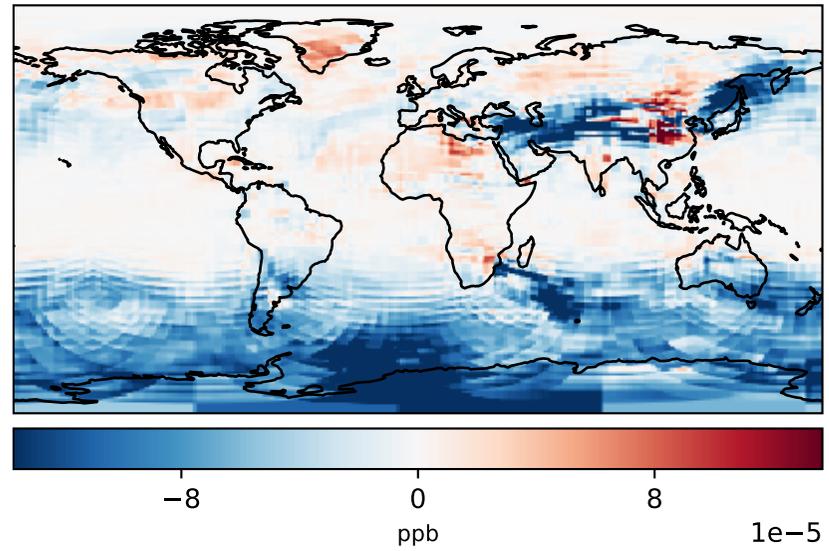
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



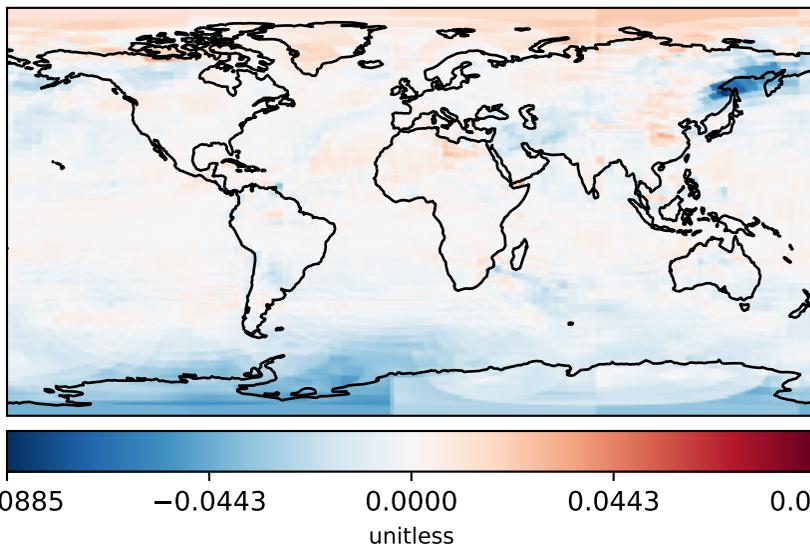
Difference (1x1.25)
Dev - Ref, Dynamic Range



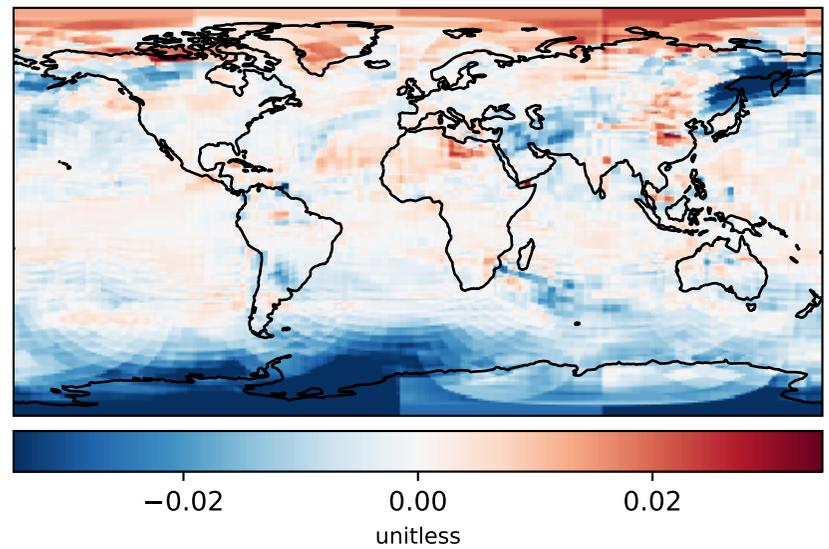
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

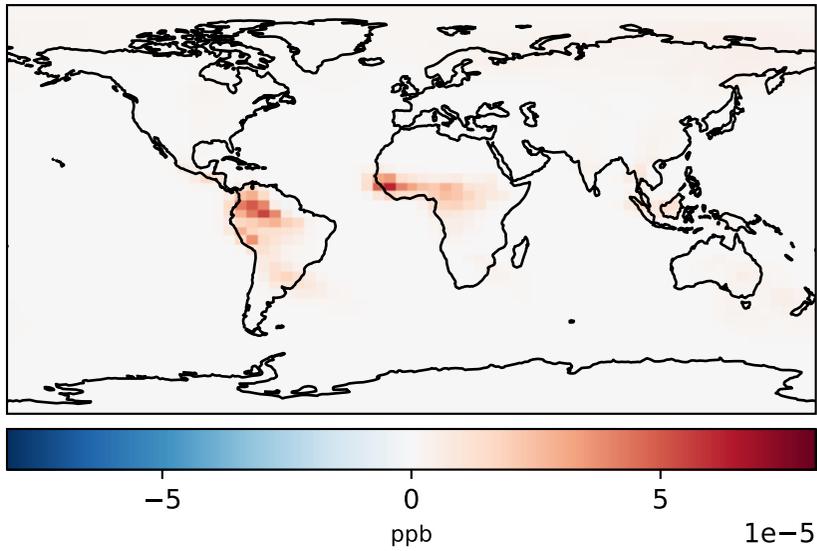


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

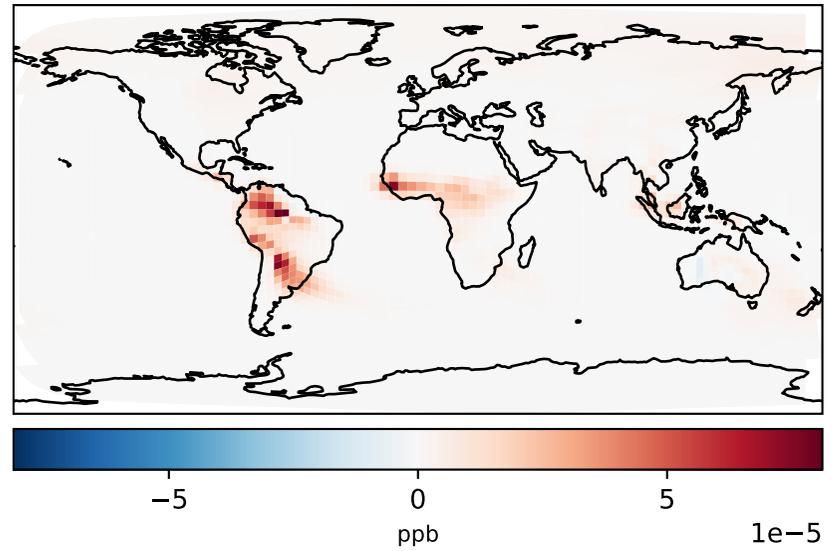


SpeciesConcVV_MPAN (Oct2019)

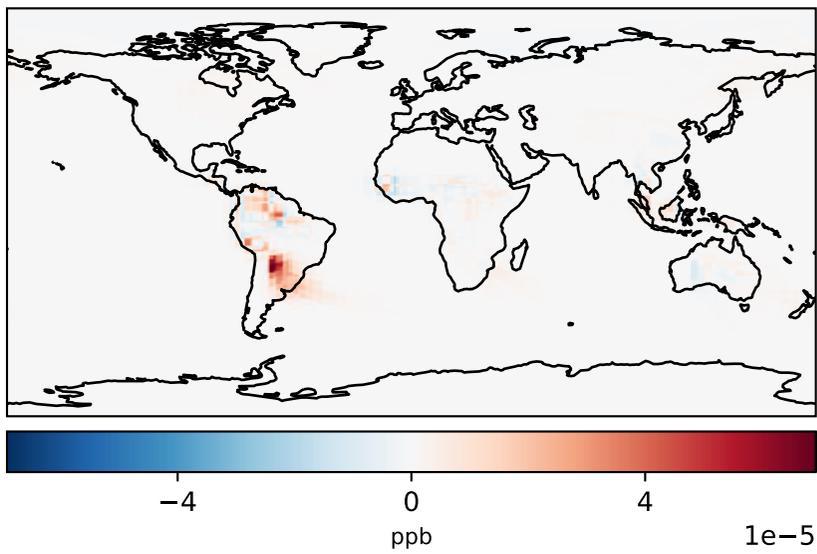
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



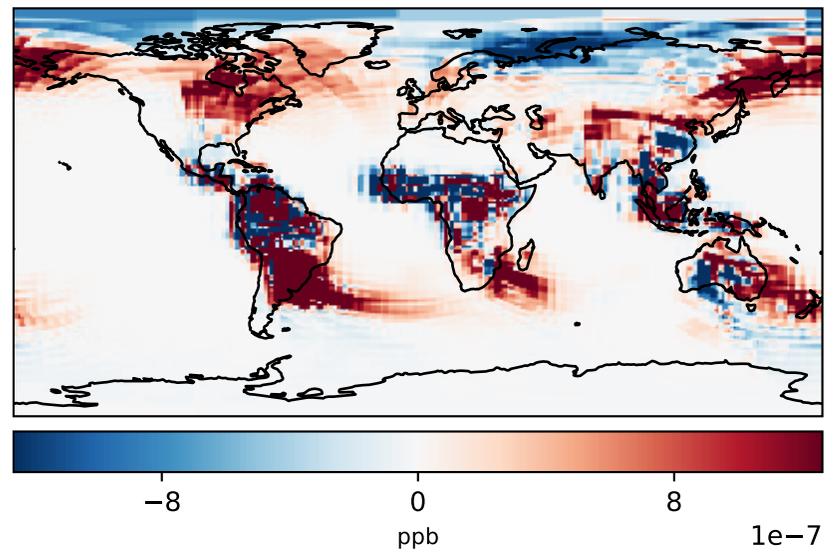
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



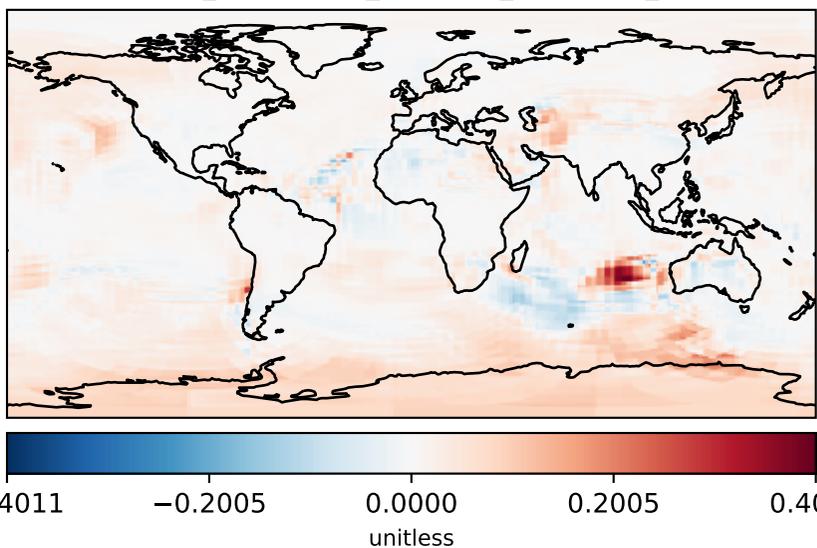
Difference (1x1.25)
Dev - Ref, Dynamic Range



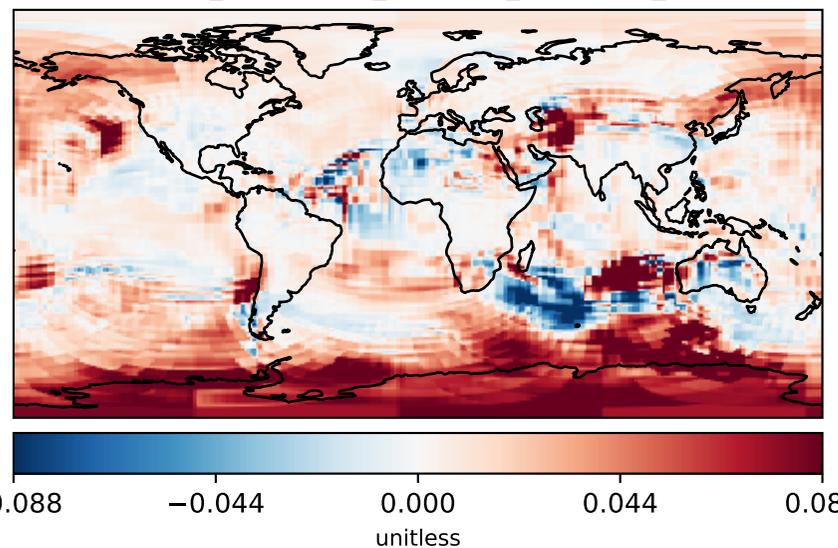
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

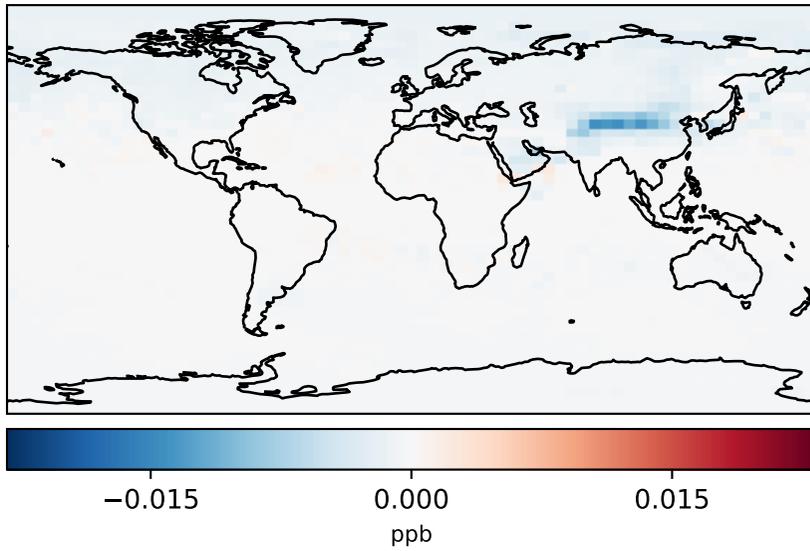


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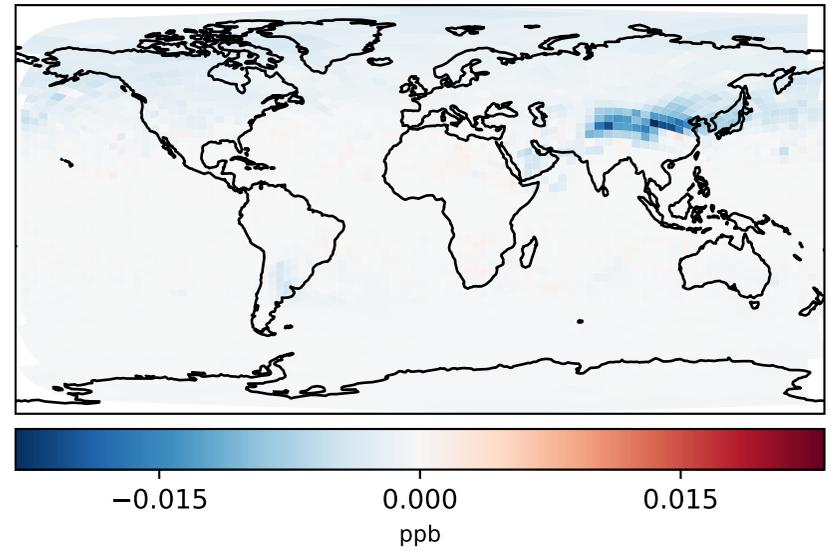
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SpeciesConcVV_NIT (Oct2019)

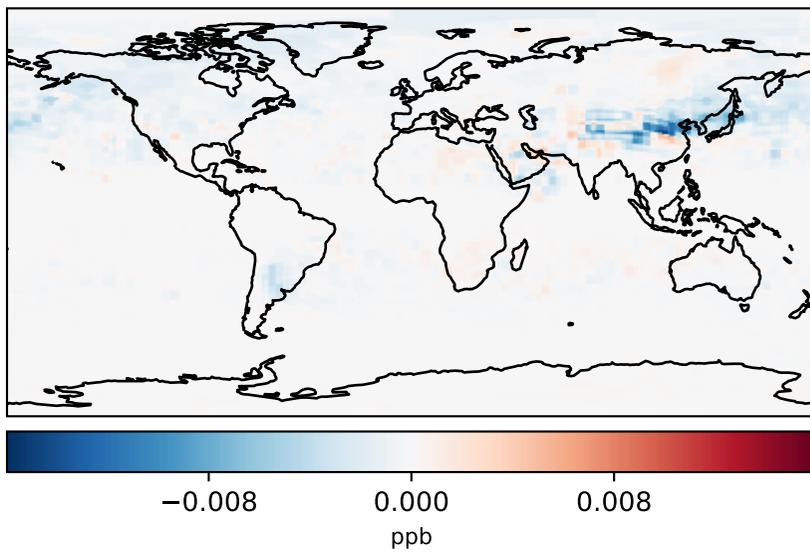
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4.0x5.0



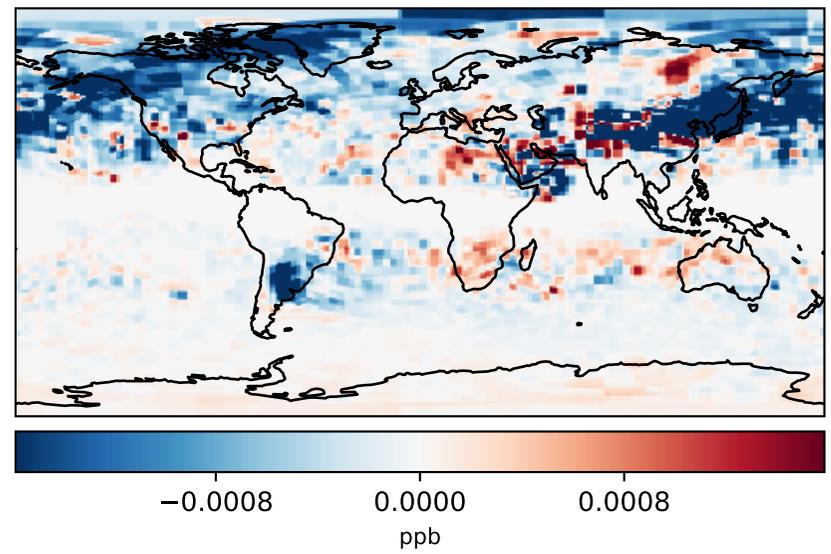
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



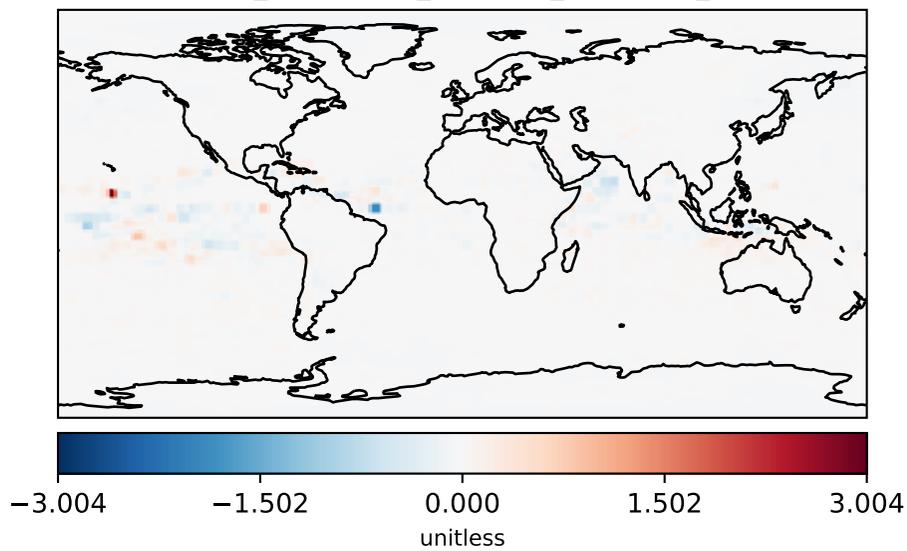
Difference (1x1.25)
Dev - Ref, Dynamic Range



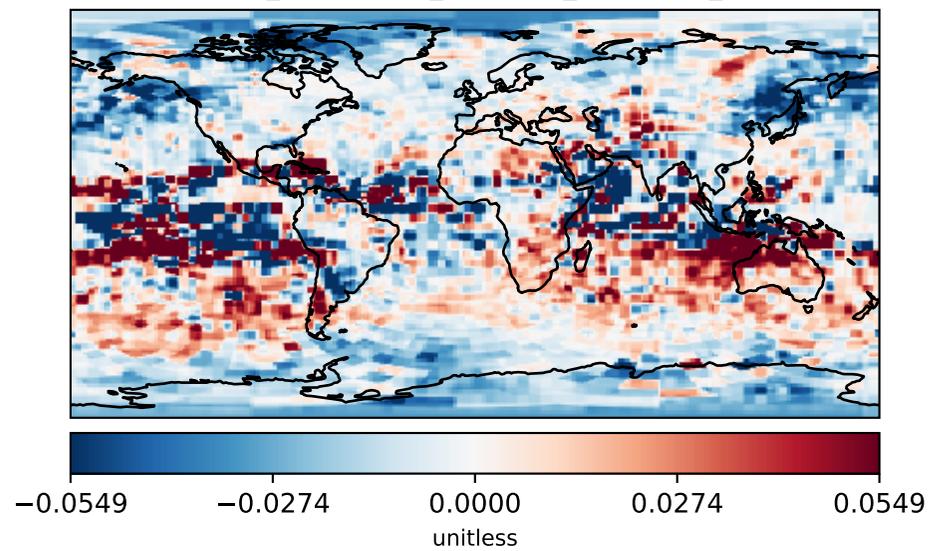
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

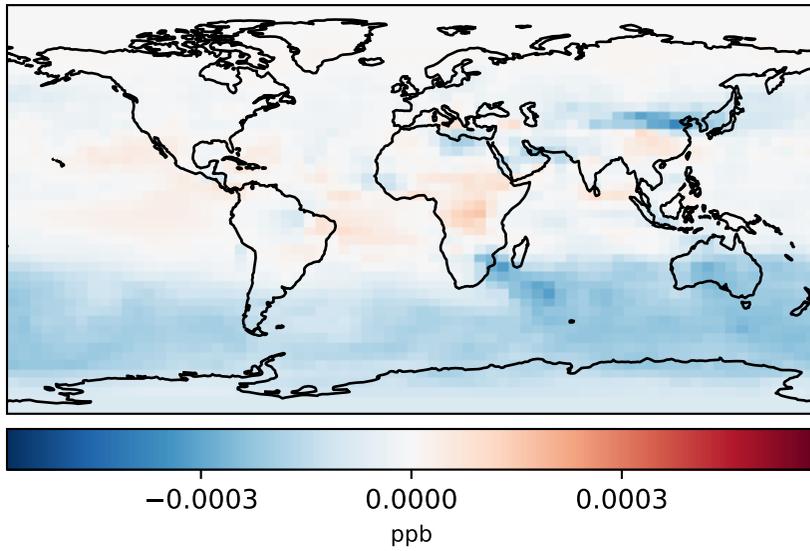


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

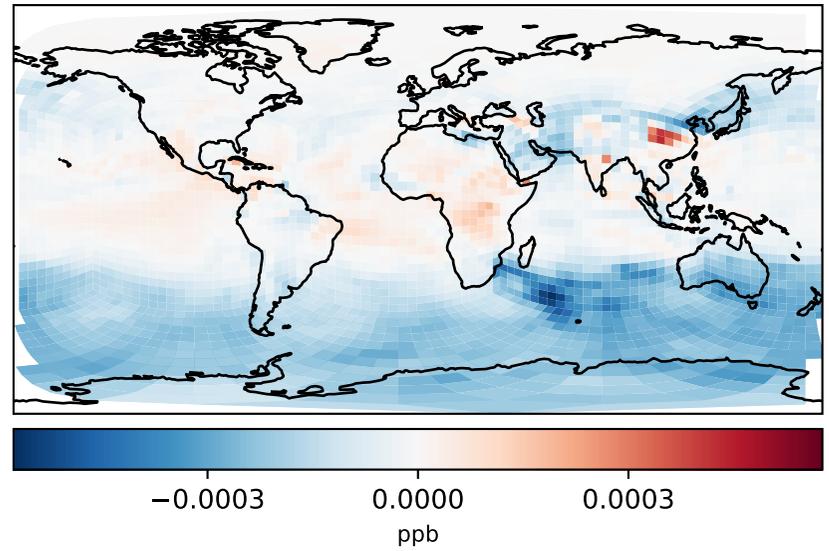


SpeciesConcVV_NO (Oct2019)

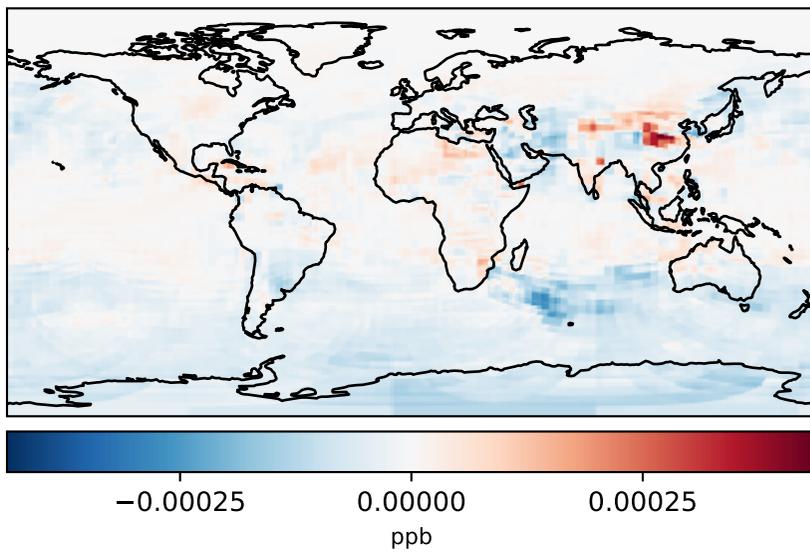
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



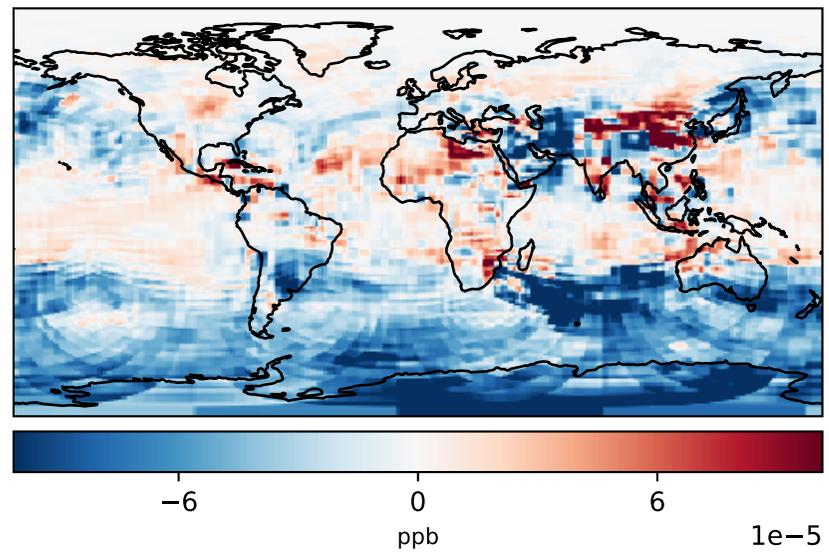
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



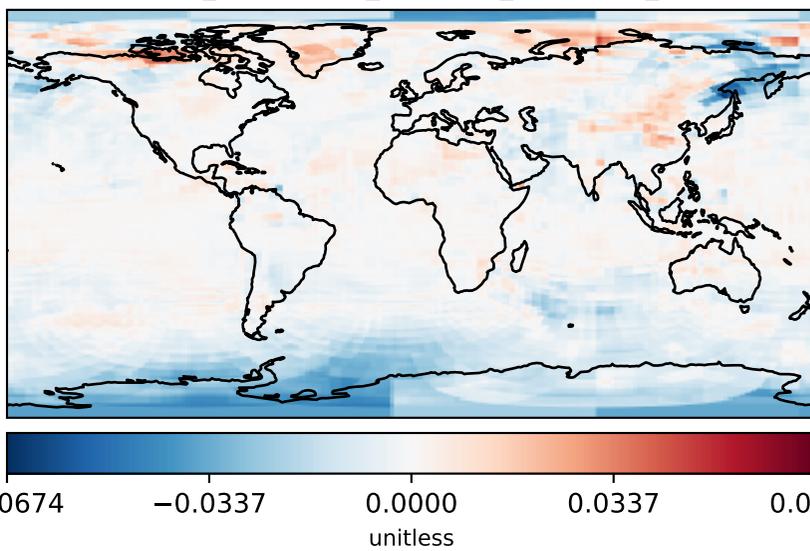
Difference (1x1.25)
Dev - Ref, Dynamic Range



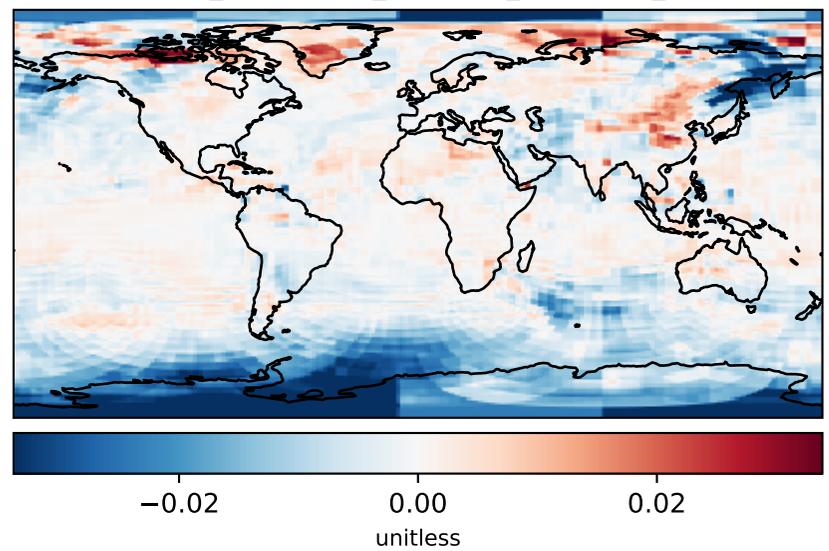
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

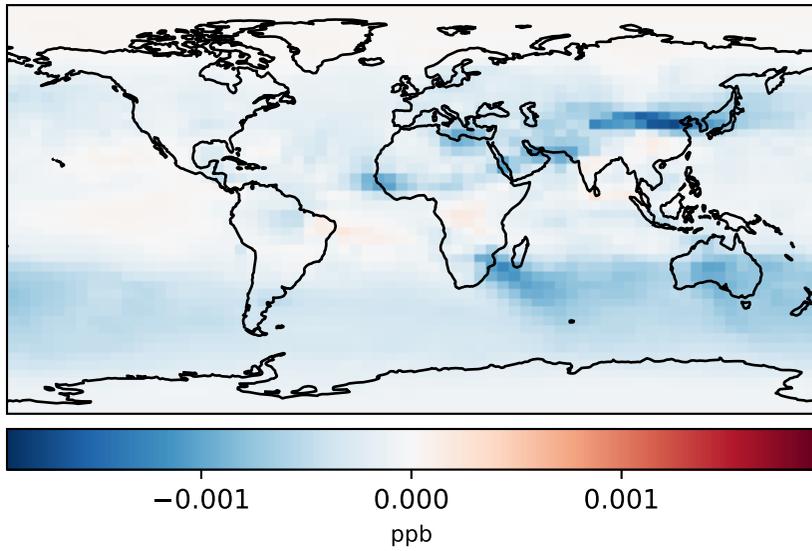


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

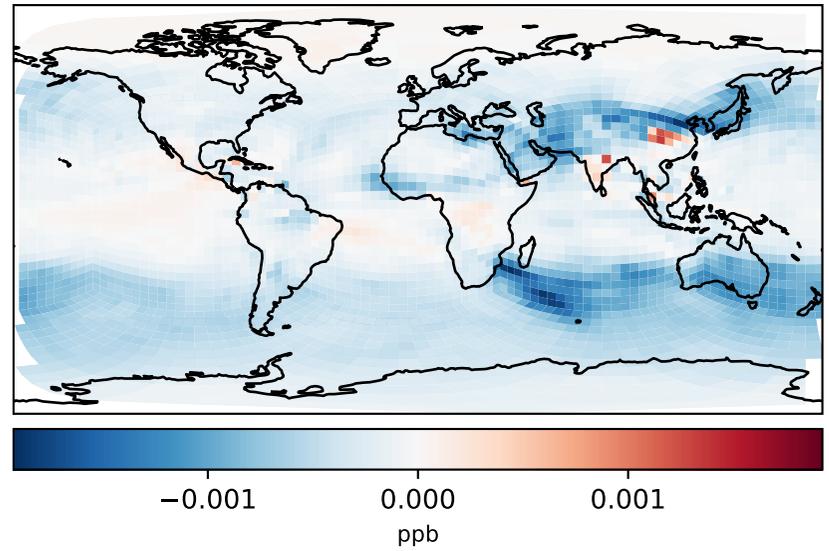


SpeciesConcVW_NO2 (Oct2019)

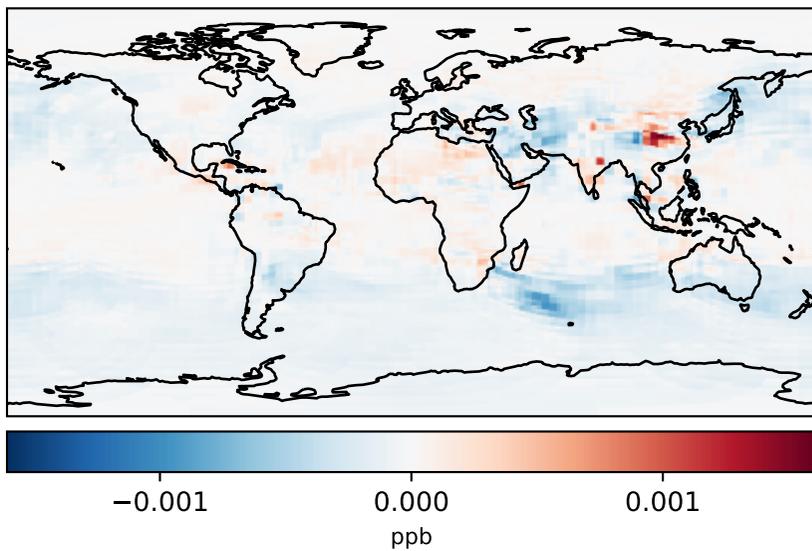
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



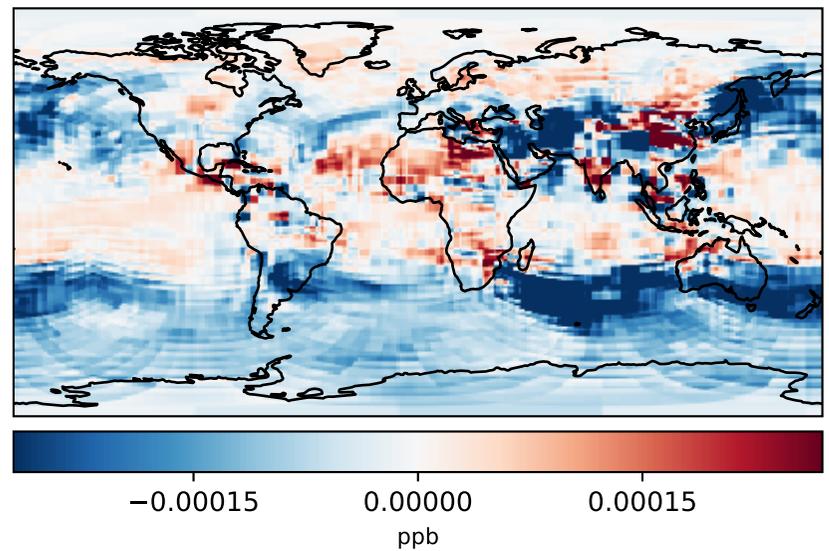
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



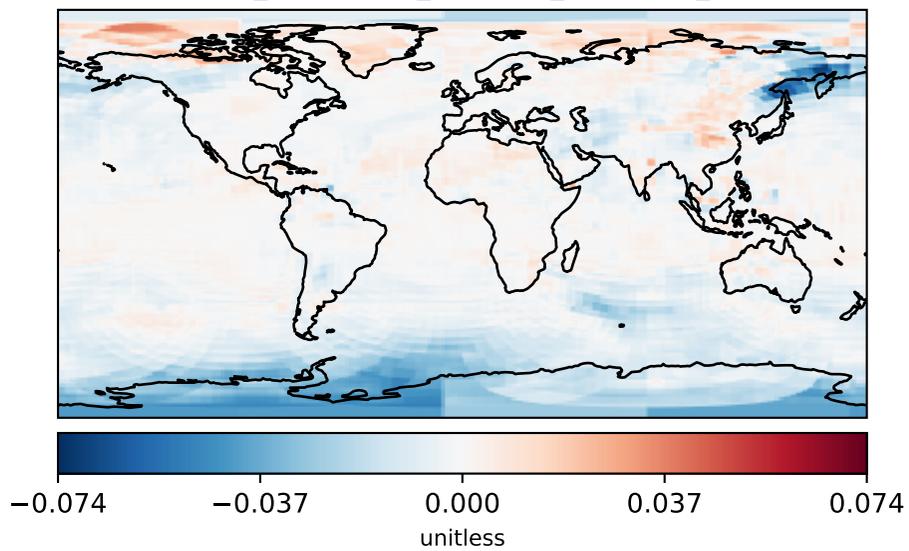
Difference (1x1.25)
Dev - Ref, Dynamic Range



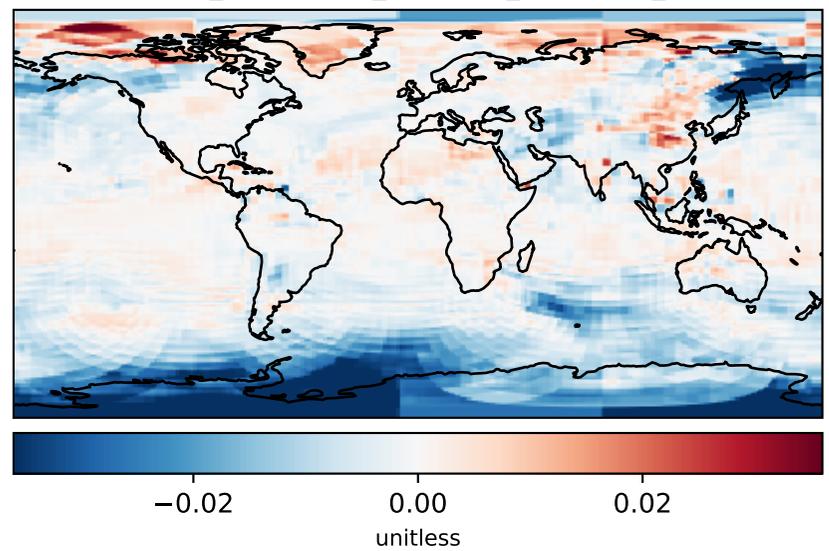
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

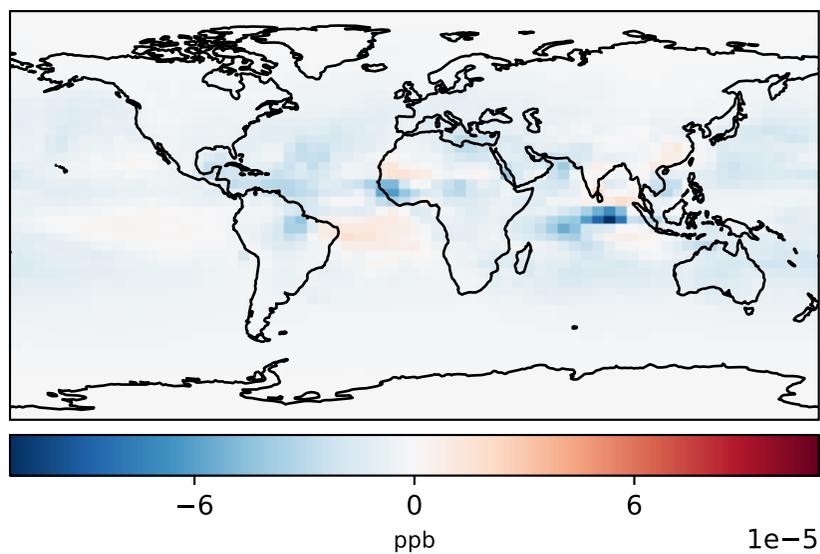


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

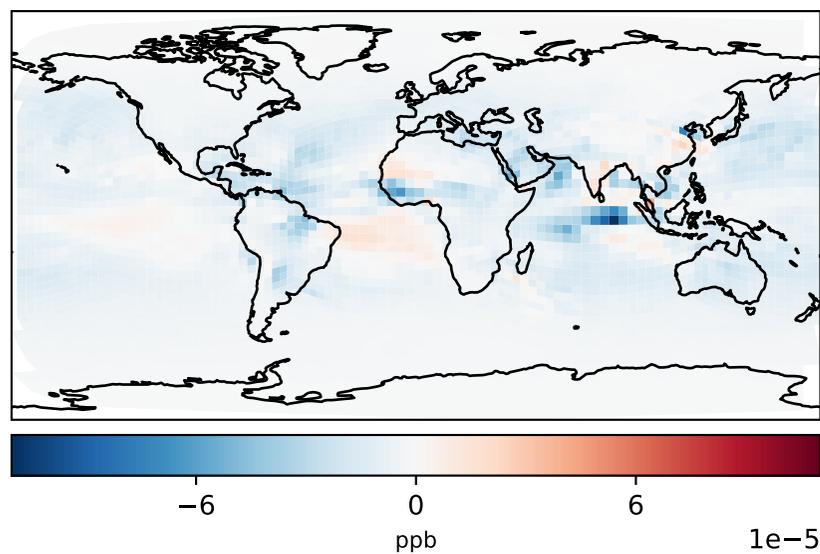


SpeciesConcVW_NO3 (Oct2019)

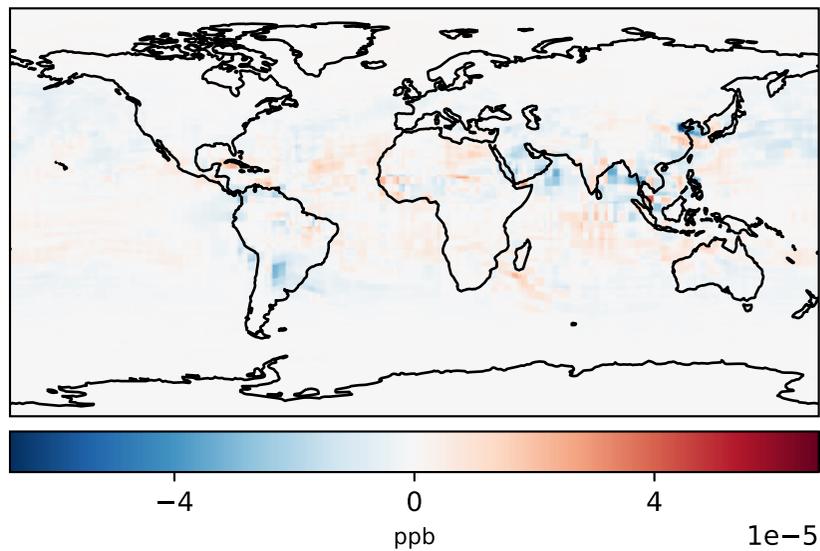
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



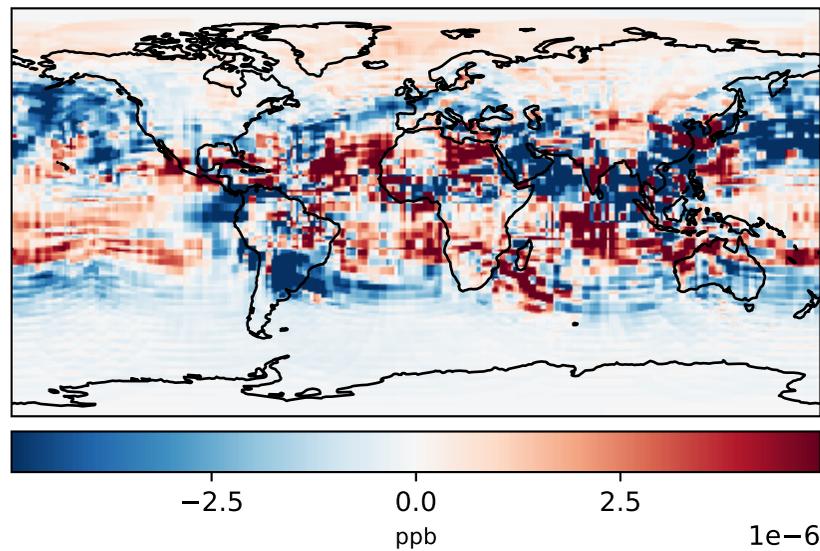
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



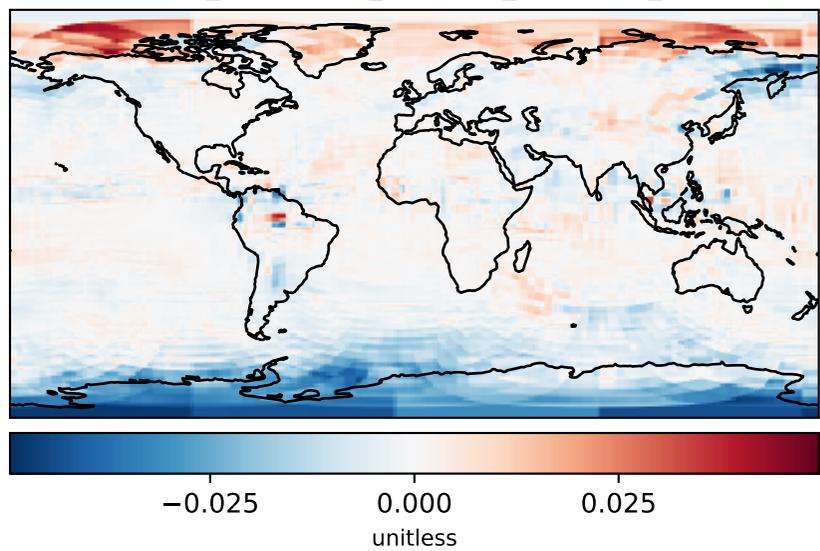
Difference (1x1.25)
Dev - Ref, Dynamic Range



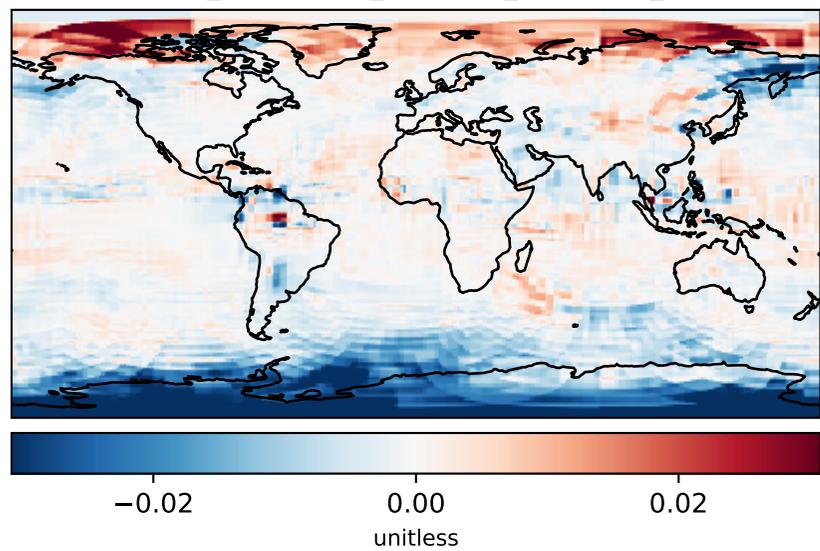
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

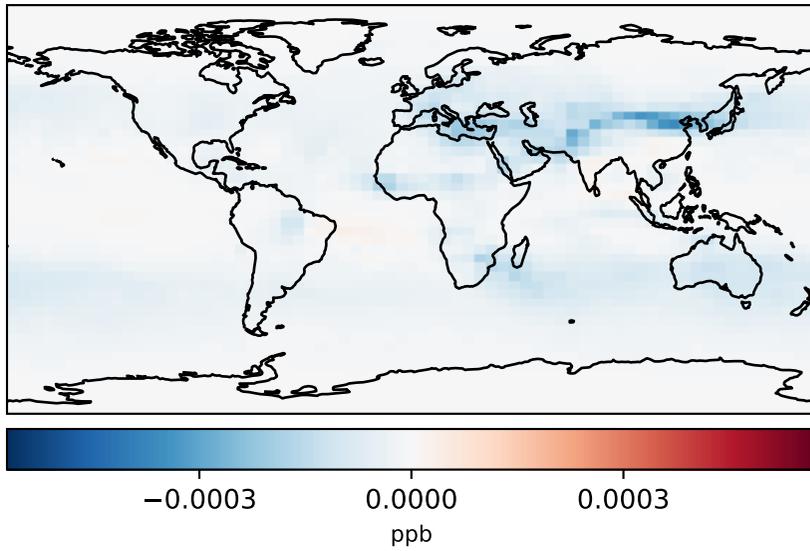


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

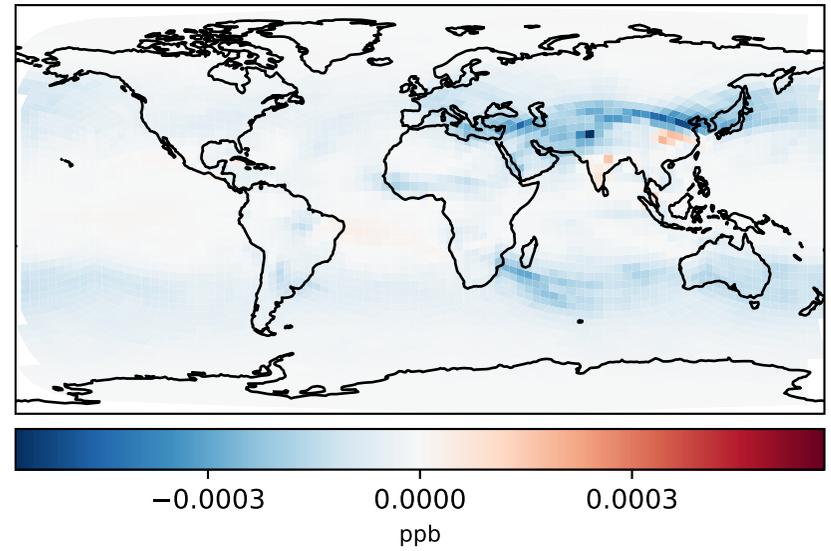


SpeciesConcVV_N2O5 (Oct2019)

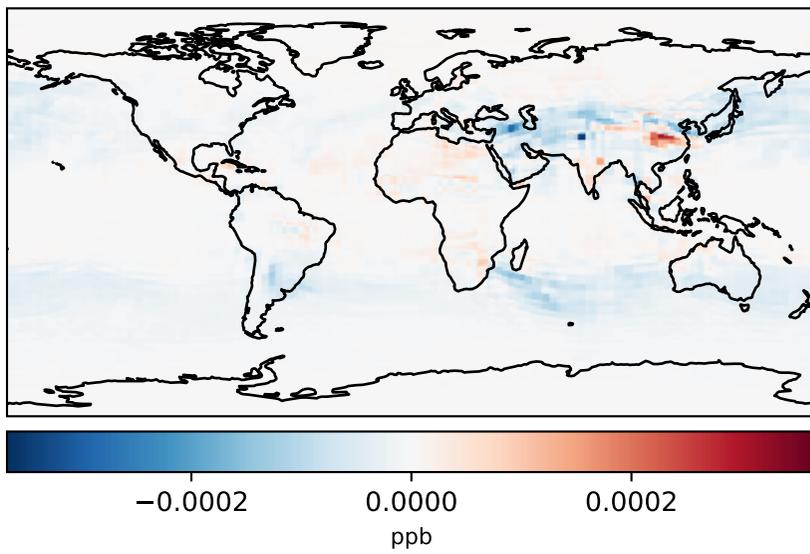
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



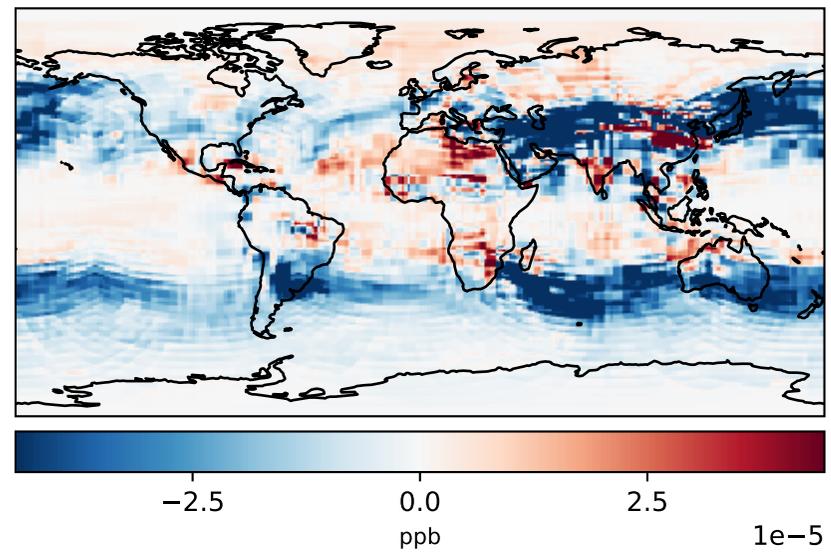
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



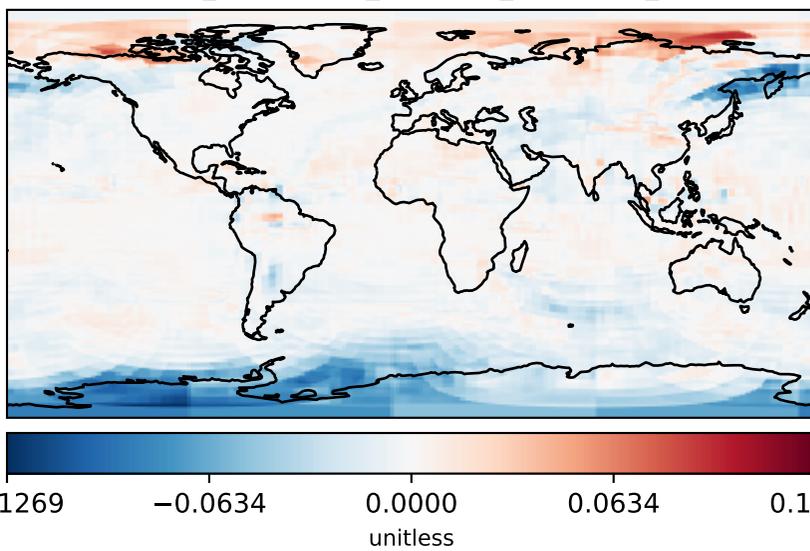
Difference (1x1.25)
Dev - Ref, Dynamic Range



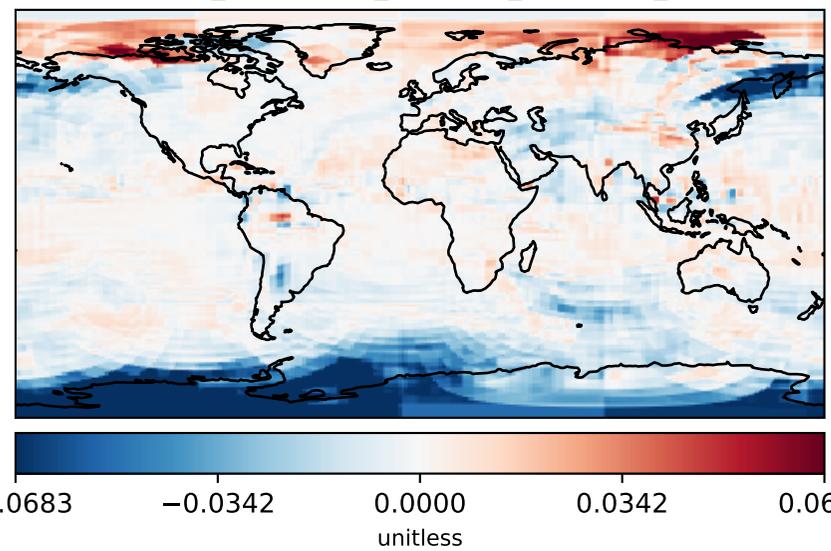
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

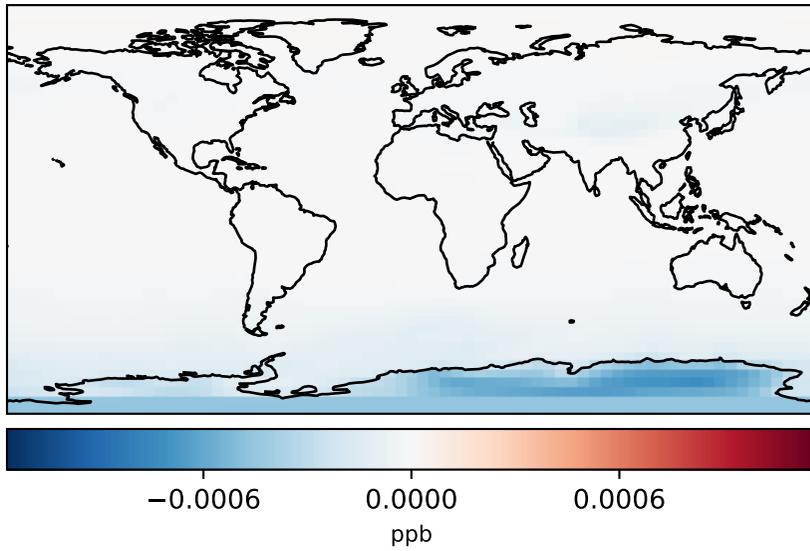


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

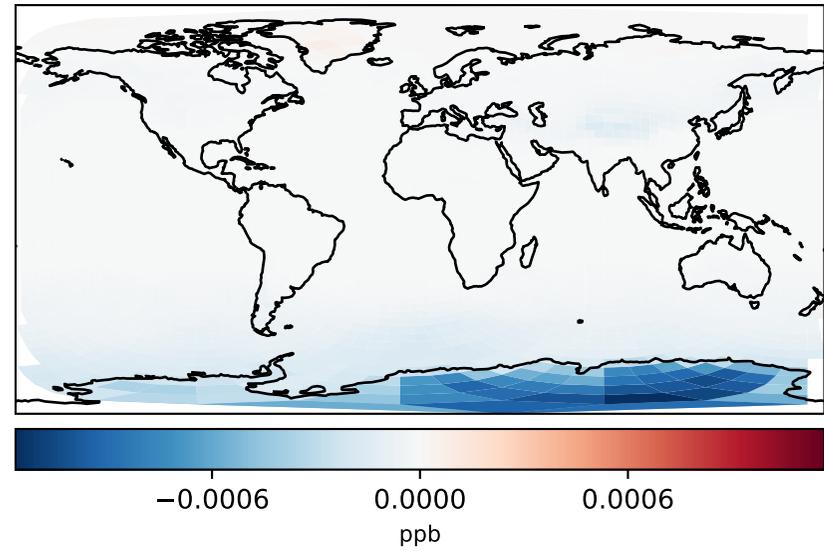


SpeciesConcVW_MPN (Oct2019)

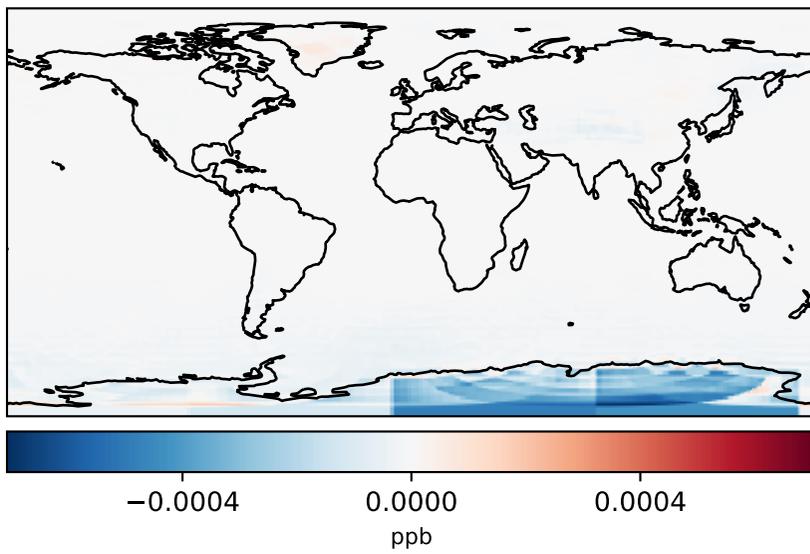
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



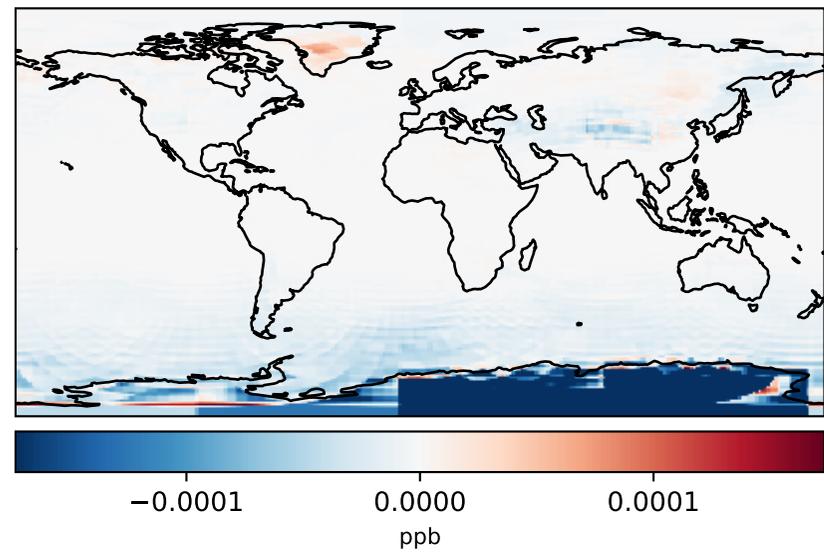
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



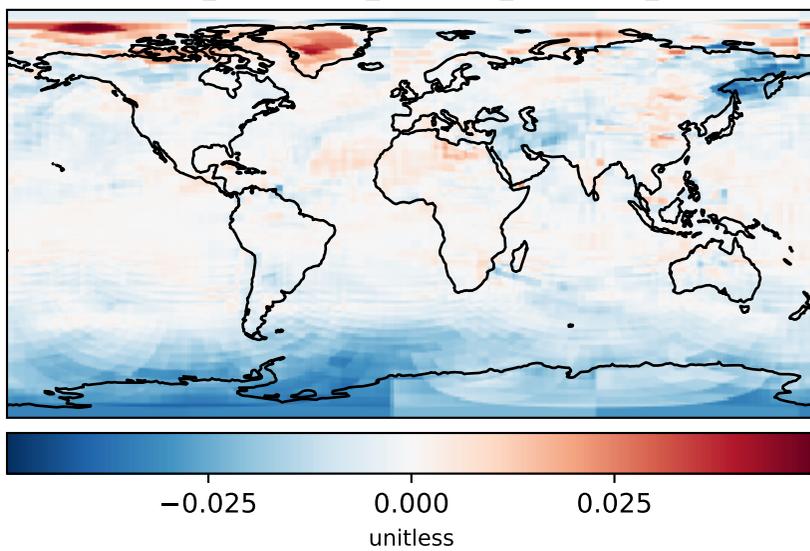
Difference (1x1.25)
Dev - Ref, Dynamic Range



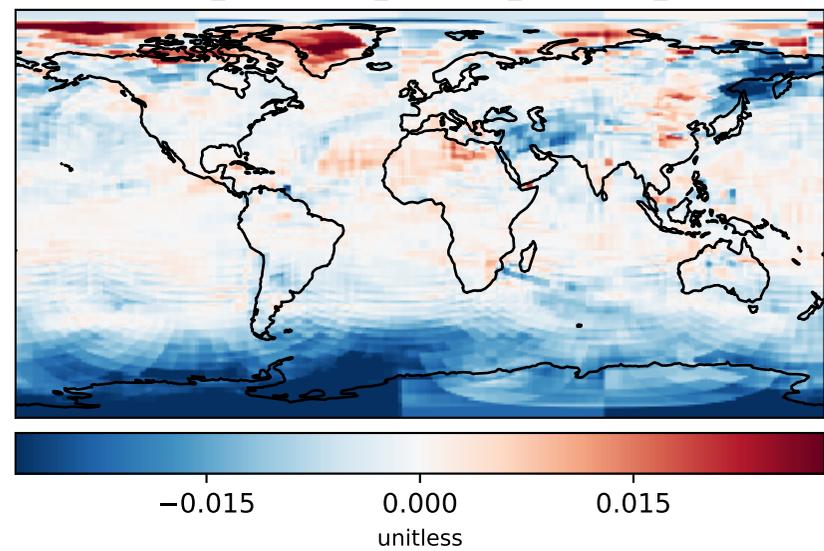
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

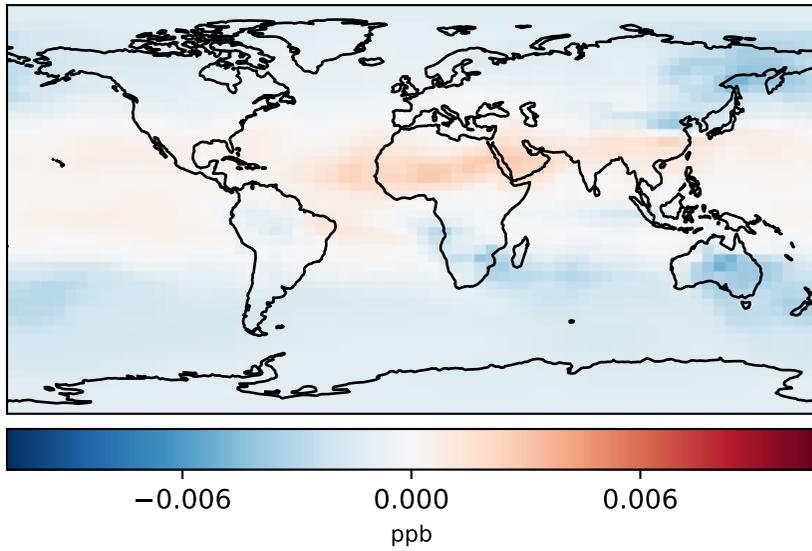


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

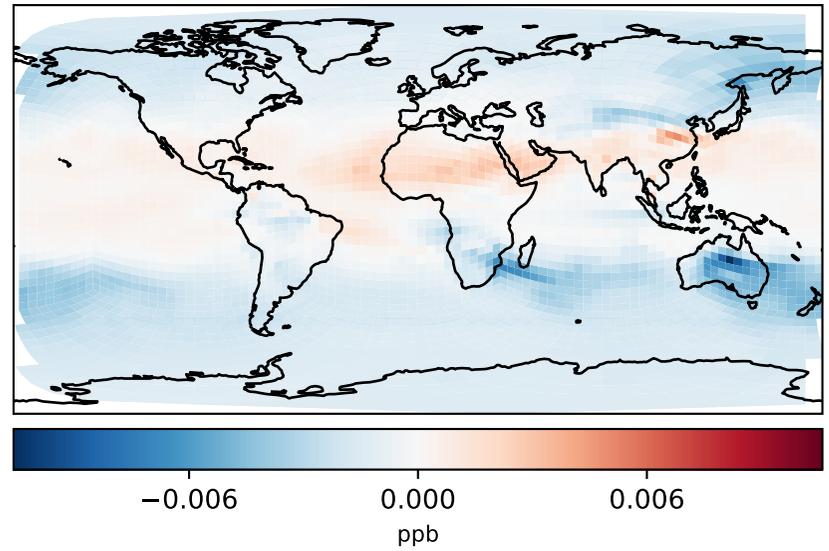


SpeciesConcVV_PAN (Oct2019)

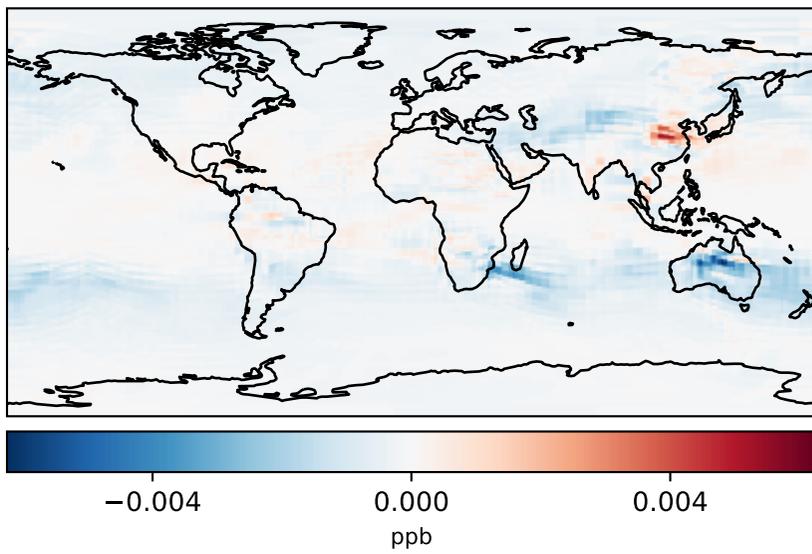
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



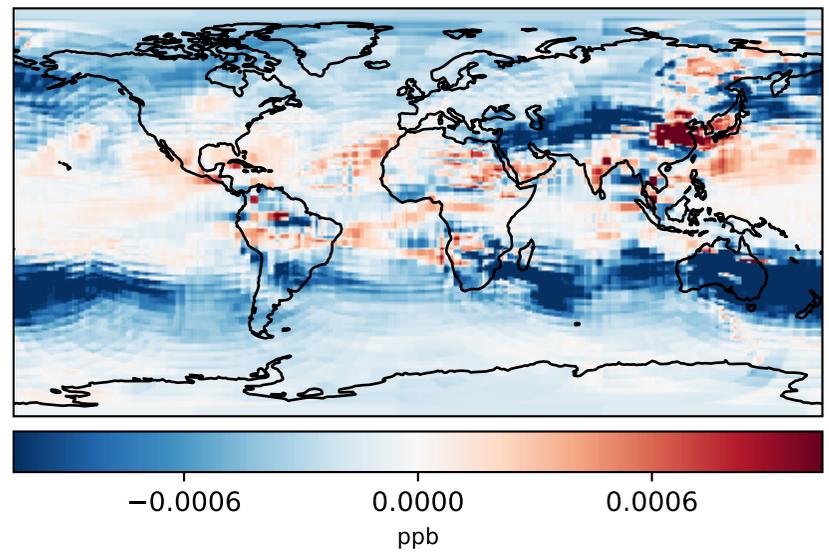
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



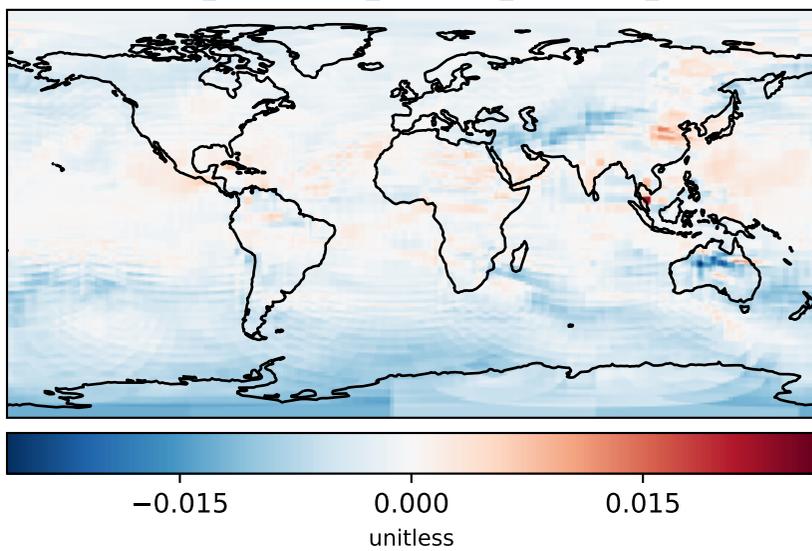
Difference (1x1.25)
Dev - Ref, Dynamic Range



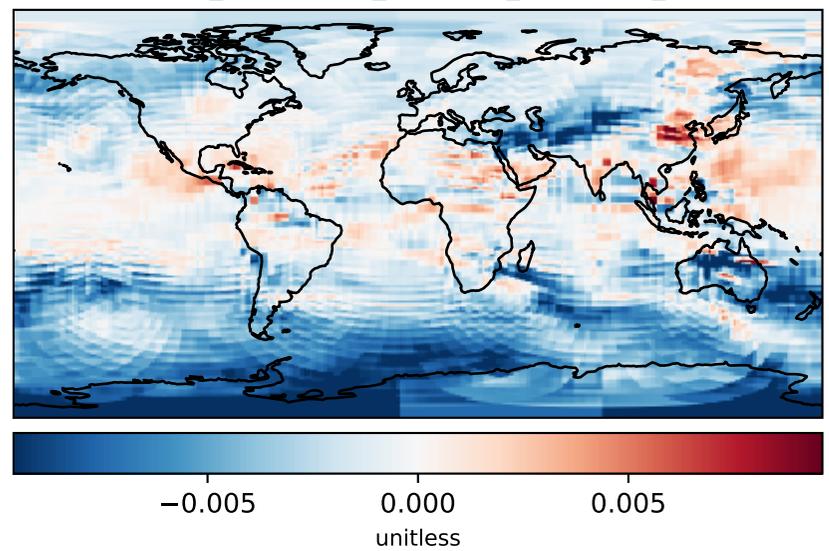
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

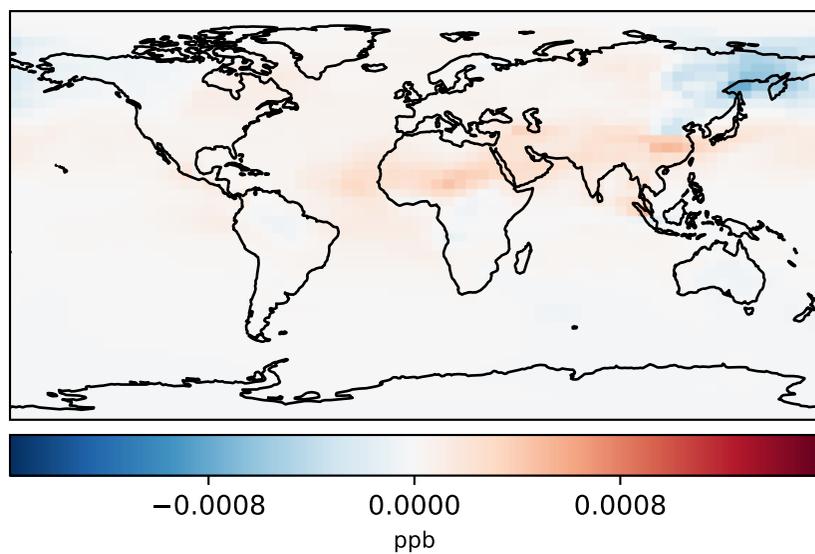


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

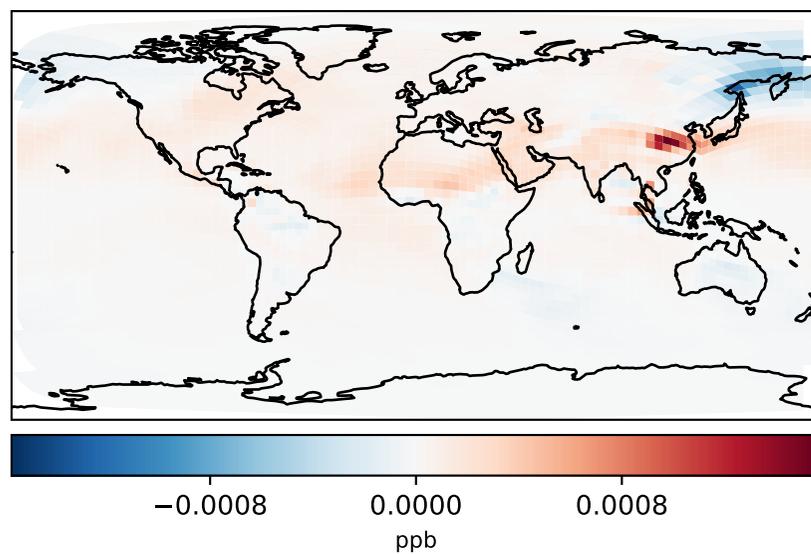


SpeciesConcVV_PPN (Oct2019)

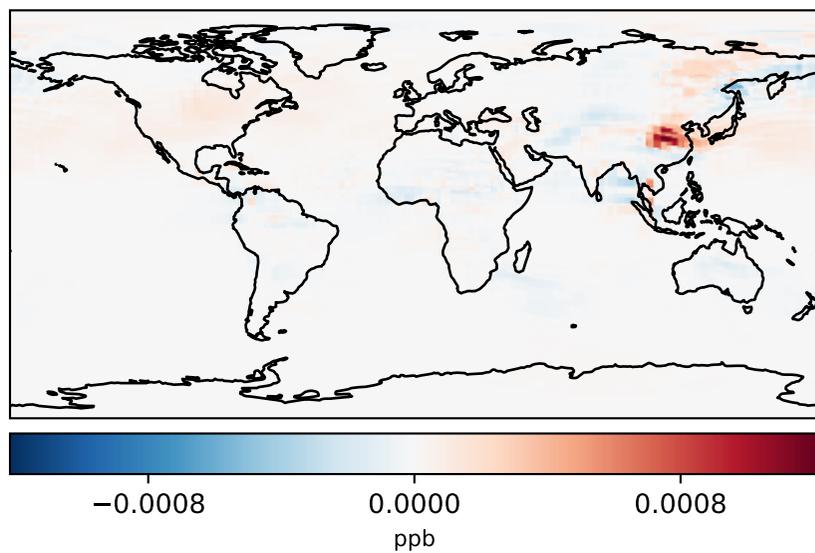
gcc.14.7.0-rc.0 - gcc.14.5.0-rc.0 (Ref)
4.0x5.0



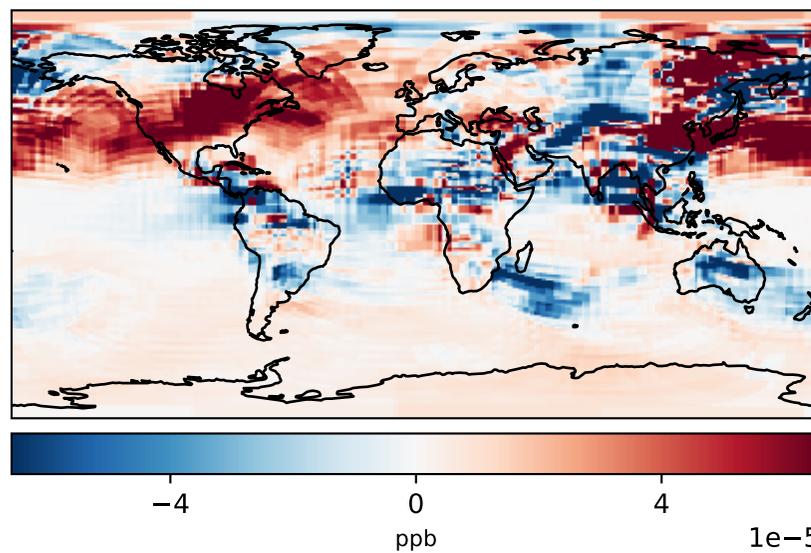
gchp.14.7.0-rc.0 - gchp.14.5.0-rc.0 (Dev)
c24



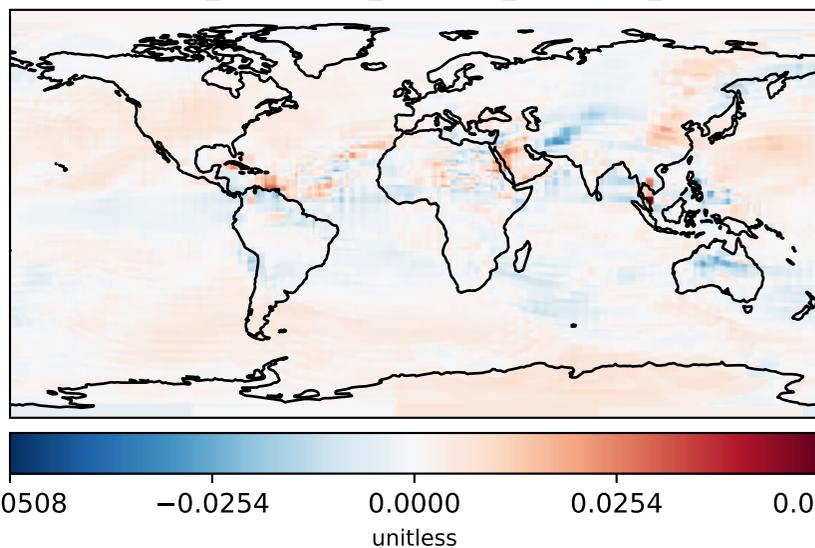
Difference (1x1.25)
Dev - Ref, Dynamic Range



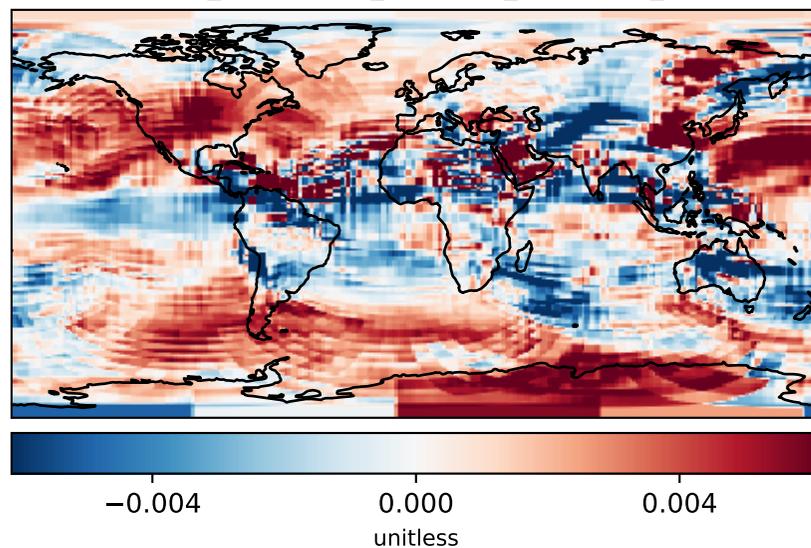
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

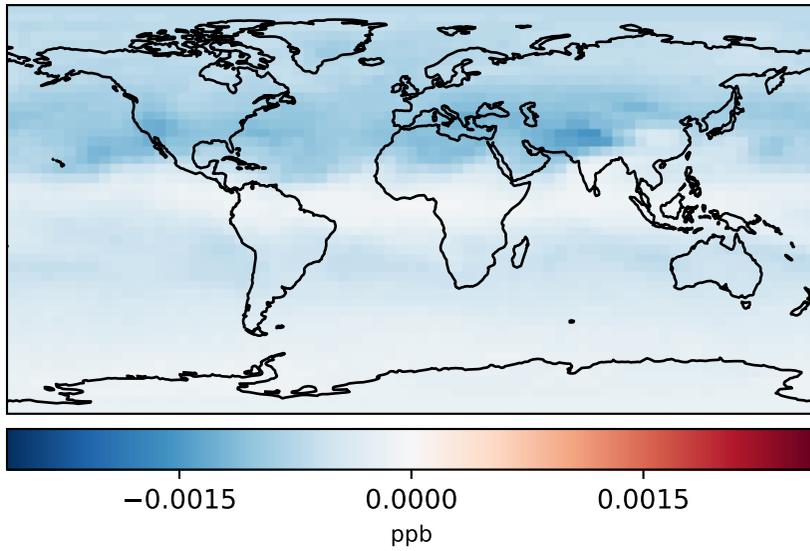


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

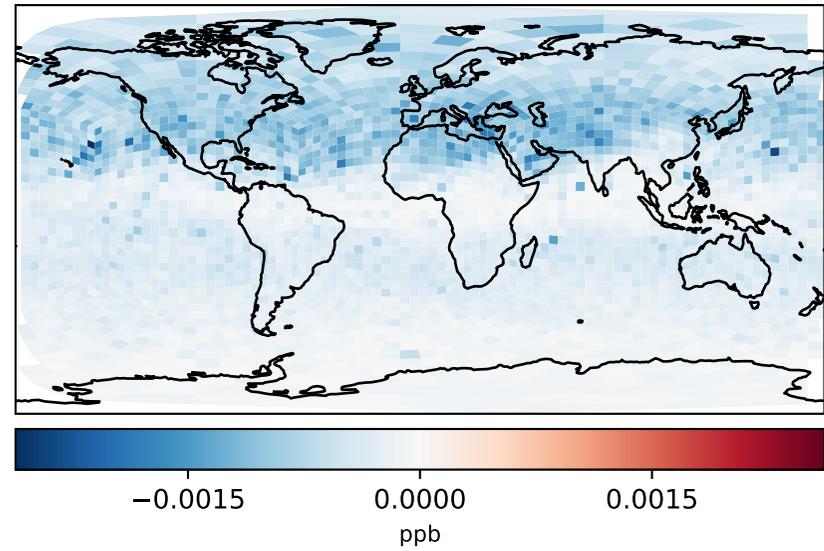


SpeciesConcVW_N2O (Oct2019)

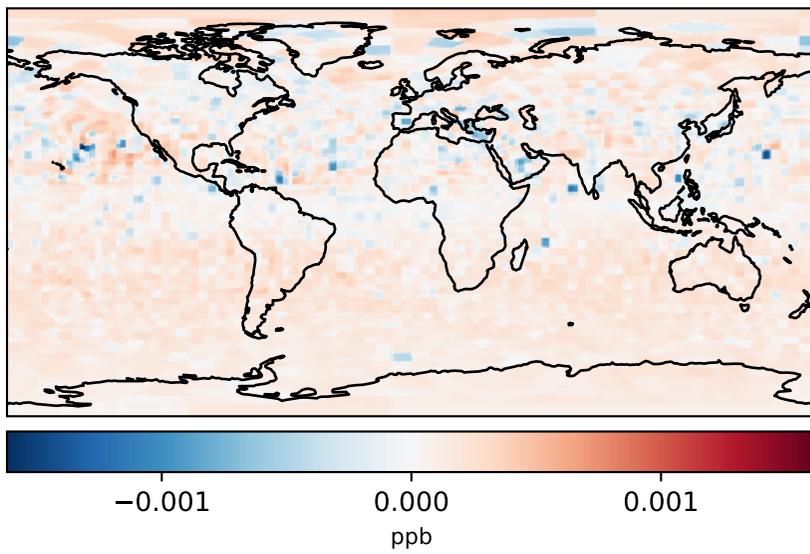
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



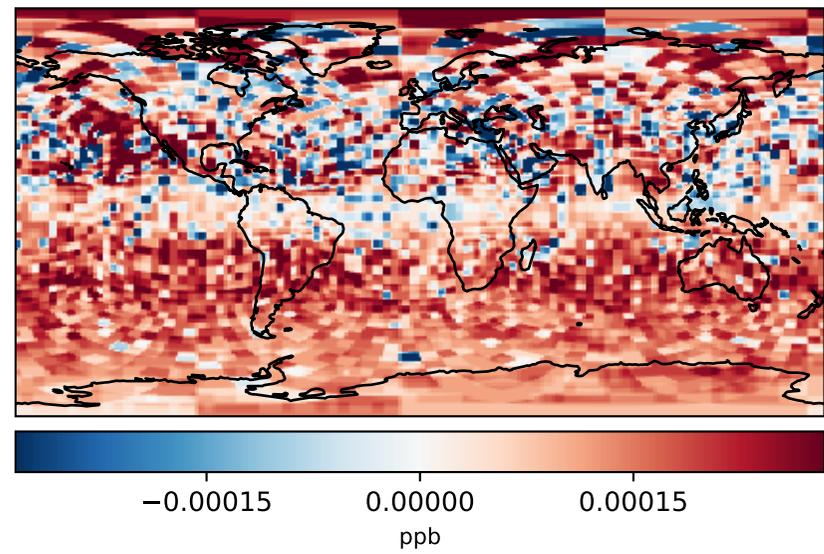
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



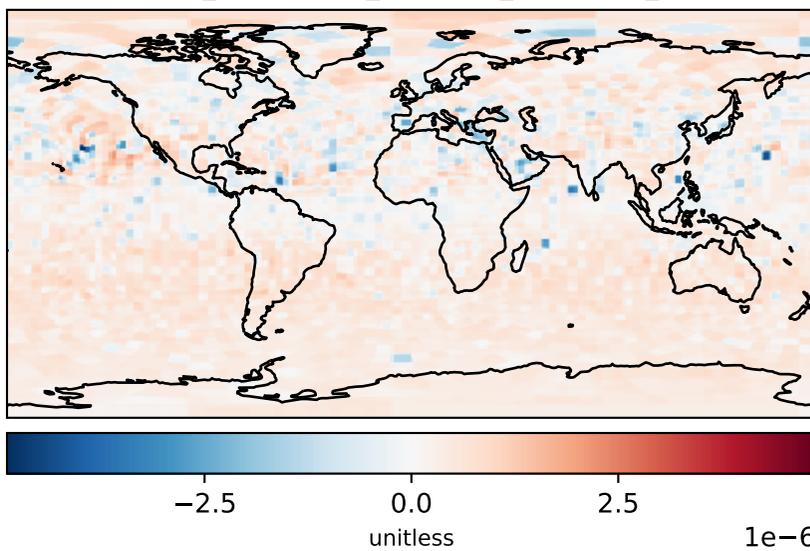
Difference (1x1.25)
Dev - Ref, Dynamic Range



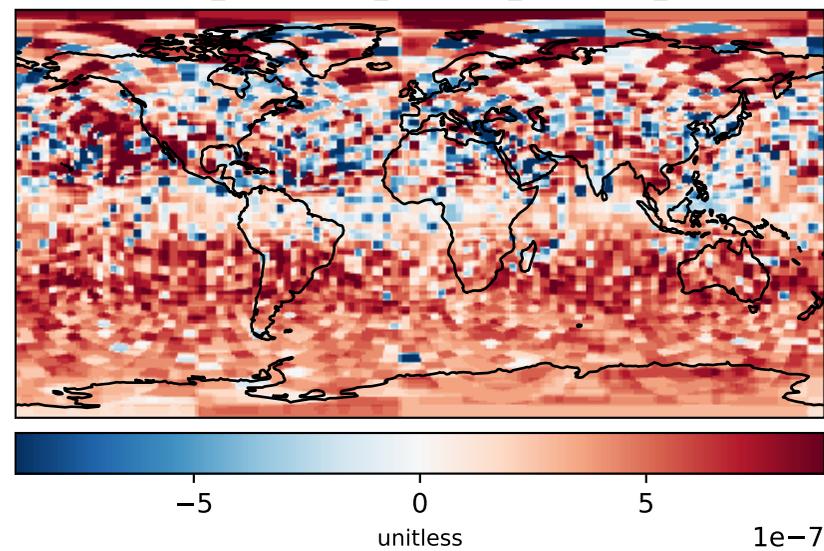
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

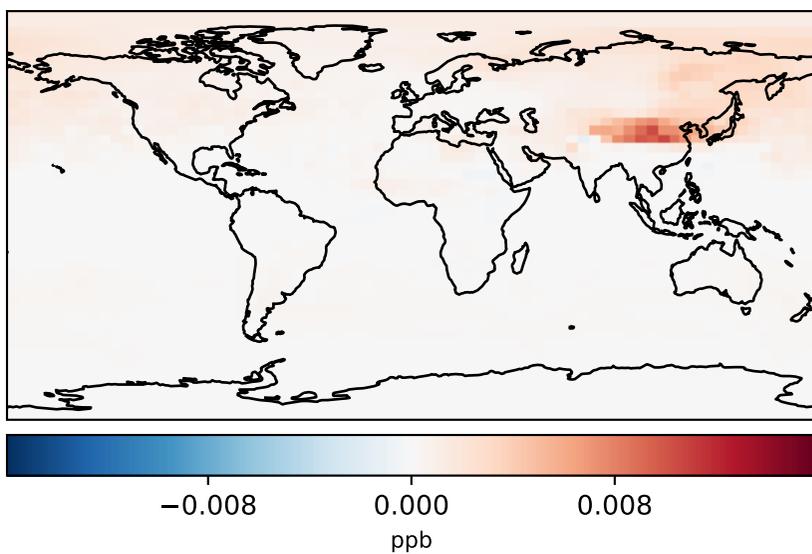


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

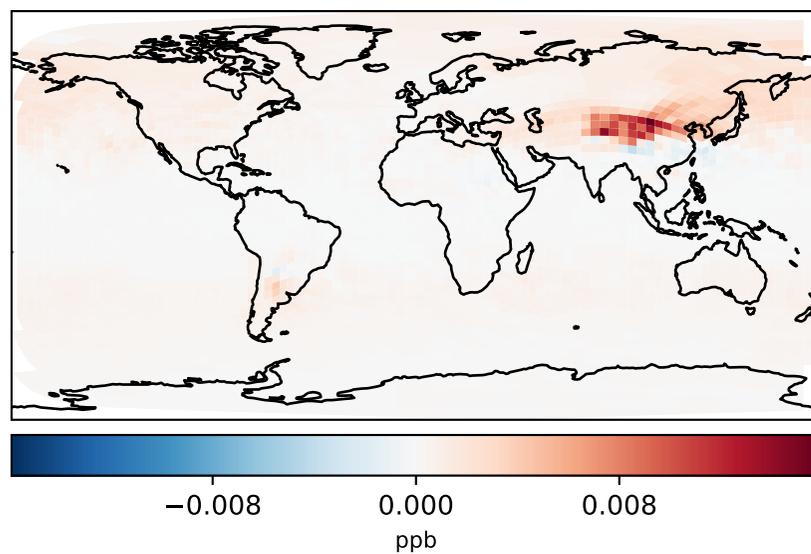


SpeciesConcVV_NHx (Oct2019)

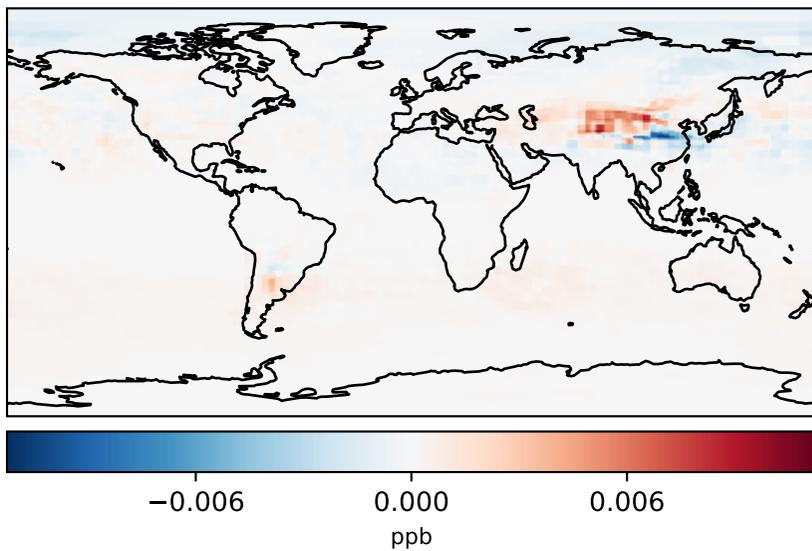
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



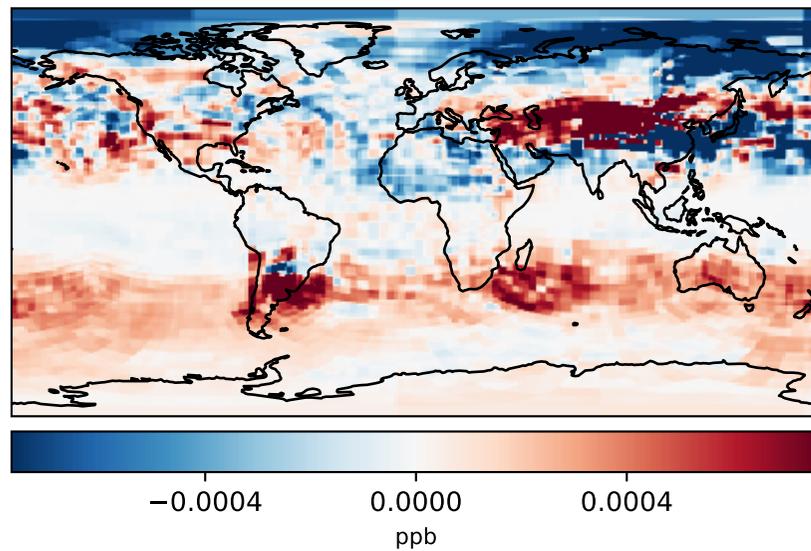
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



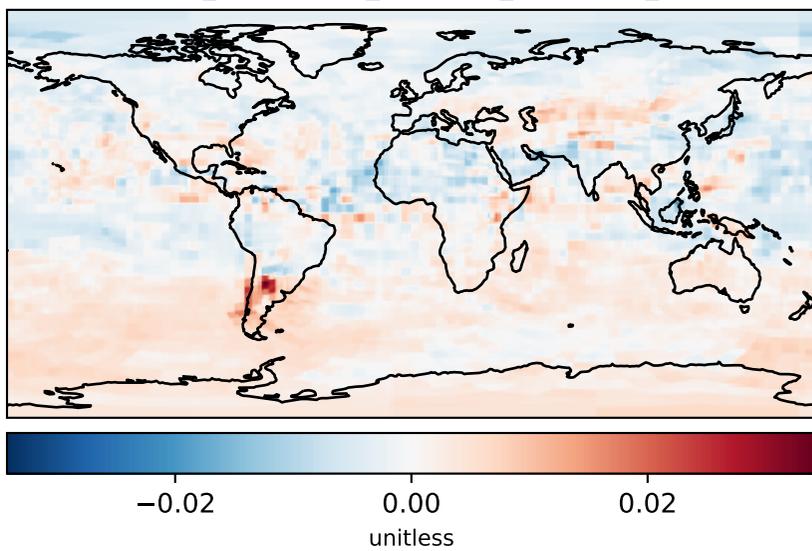
Difference (1x1.25)
Dev - Ref, Dynamic Range



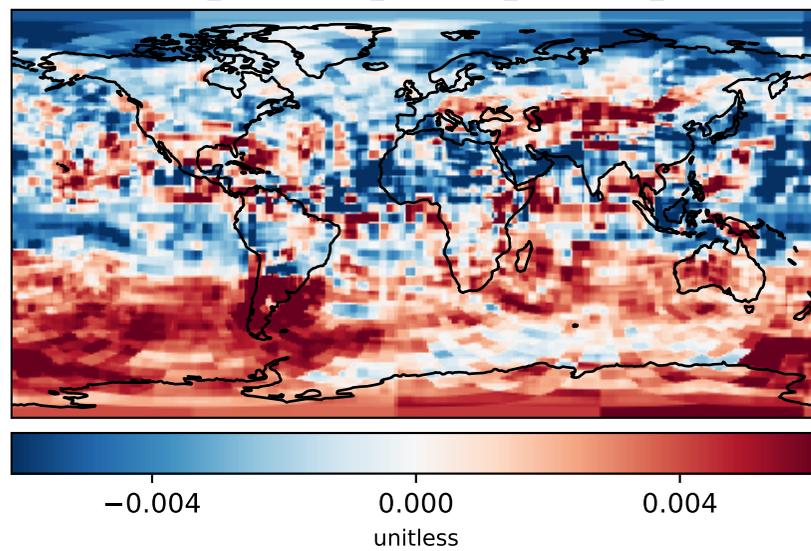
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
 $GCHP_{dev} / GCHP_{ref} - GCC_{dev} / GCC_{ref}$

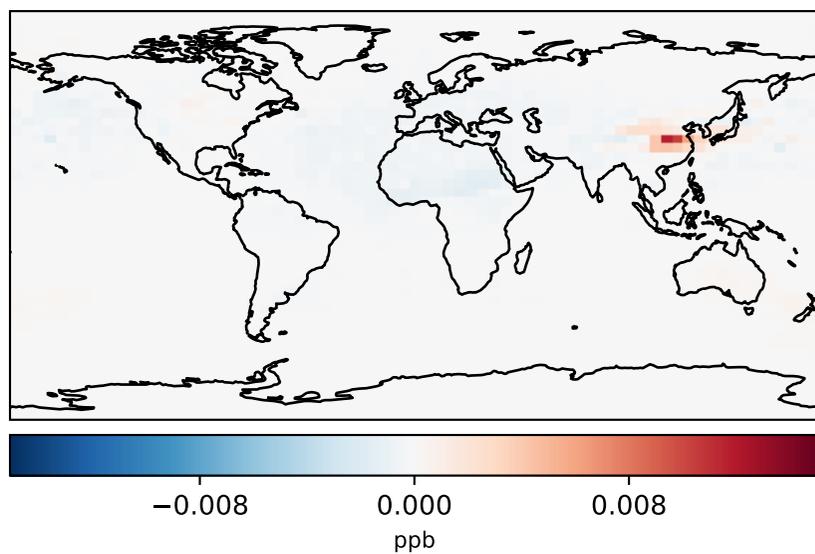


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_{dev} / GCHP_{ref} - GCC_{dev} / GCC_{ref}$

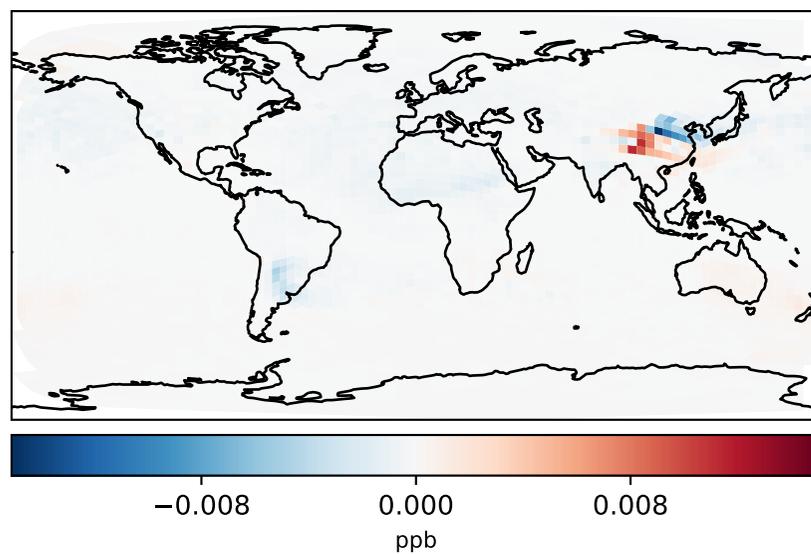


SpeciesConcVV_NH3 (Oct2019)

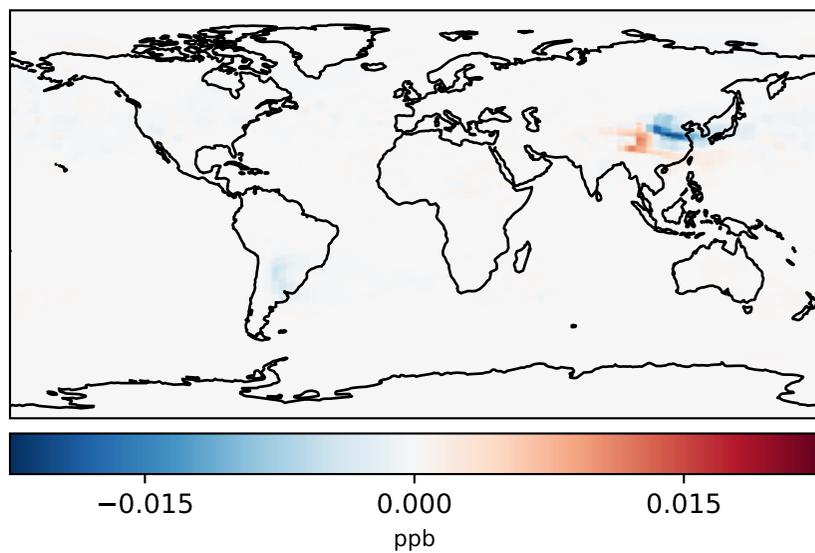
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



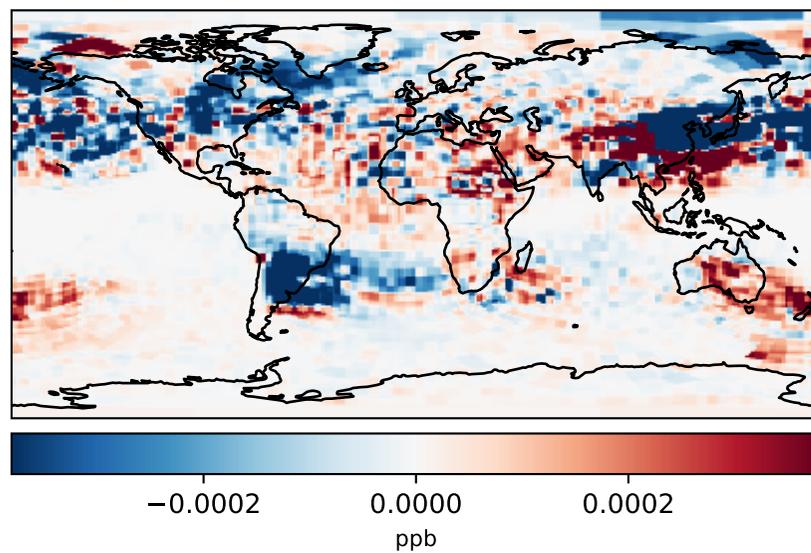
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



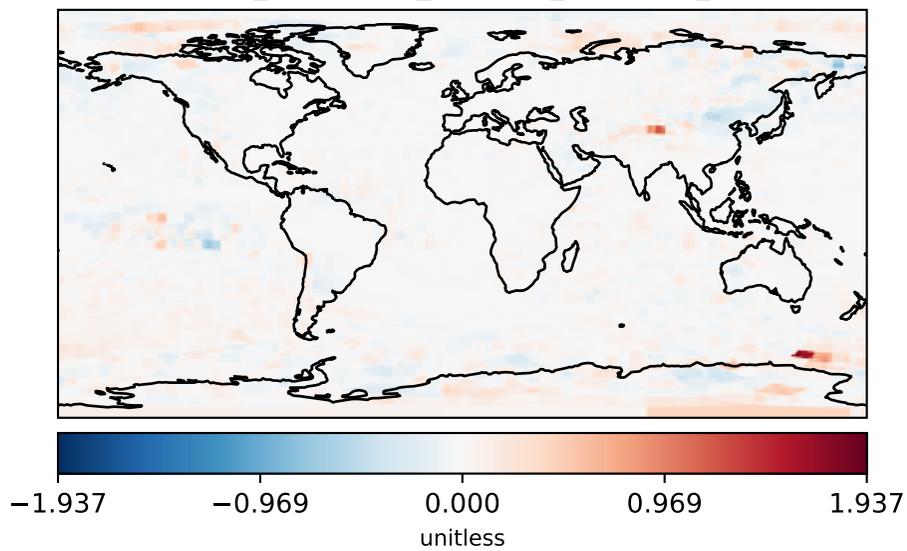
Difference (1x1.25)
Dev - Ref, Dynamic Range



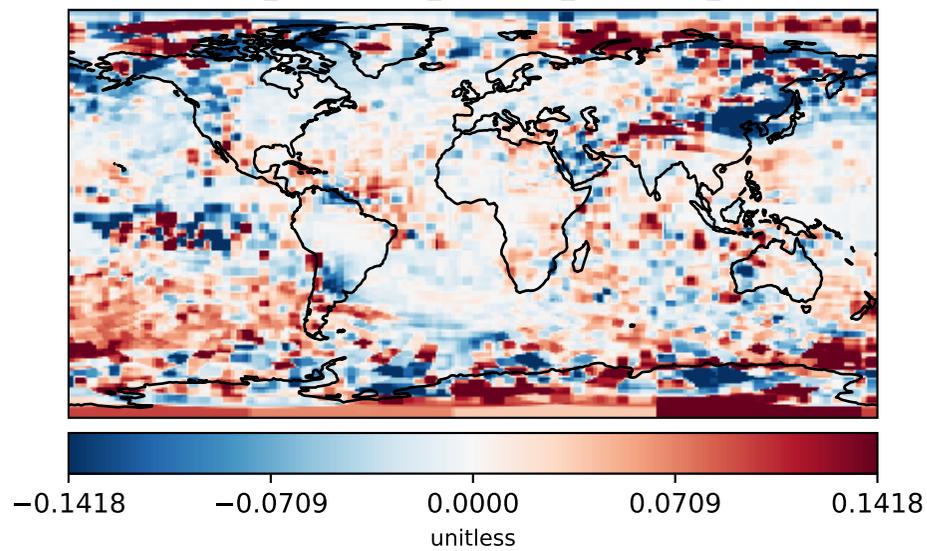
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

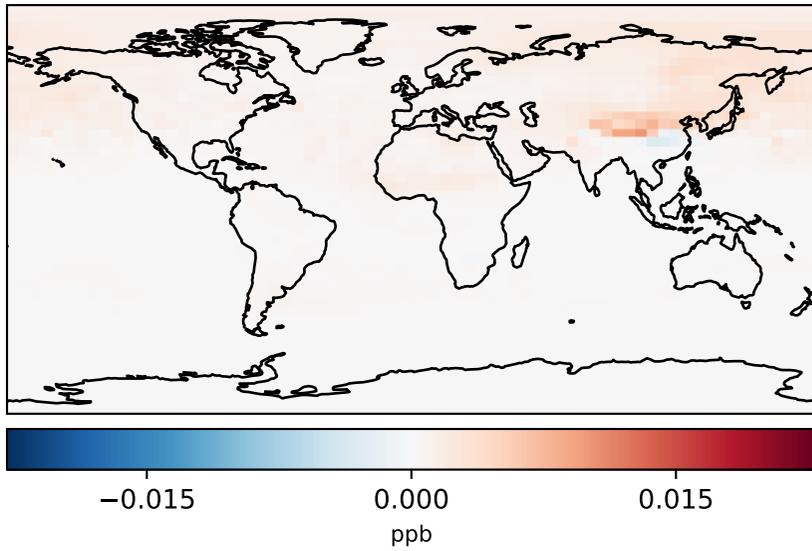


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

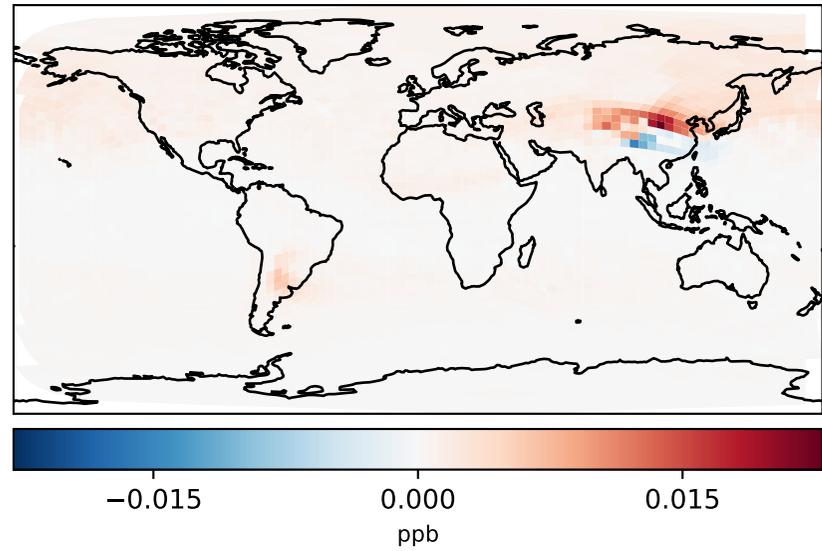


SpeciesConcVV_NH4 (Oct2019)

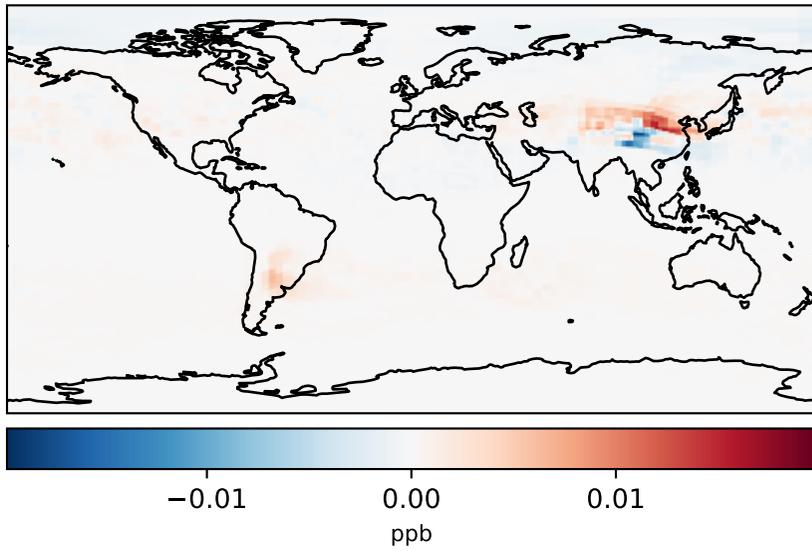
gcc.14.7.0-rc.0 - gcc.14.5.0-rc.0 (Ref)
4.0x5.0



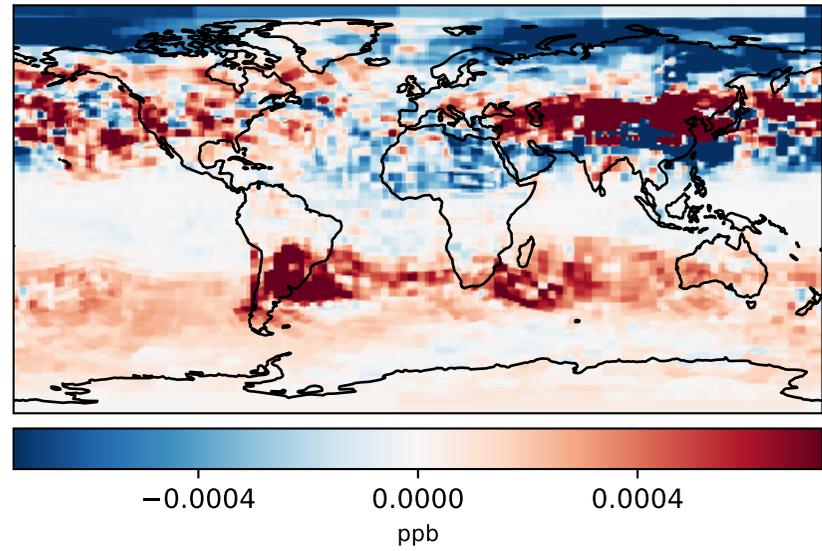
gchp.14.7.0-rc.0 - gchp.14.5.0-rc.0 (Dev)
c24



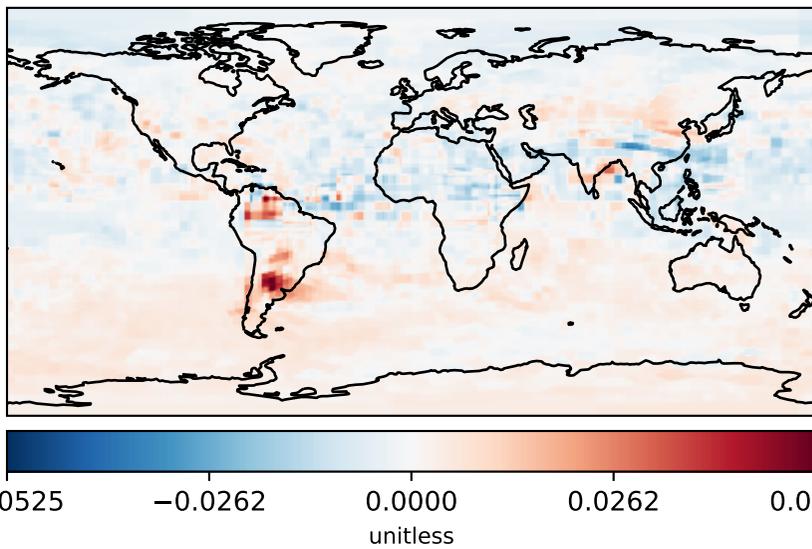
Difference (1x1.25)
Dev - Ref, Dynamic Range



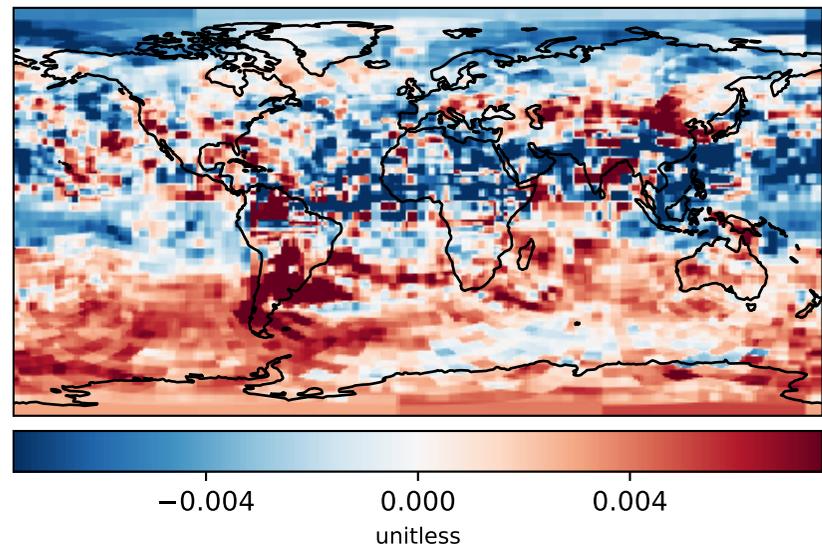
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
 $GCHP_{dev} / GCHP_{ref} - GCC_{dev} / GCC_{ref}$

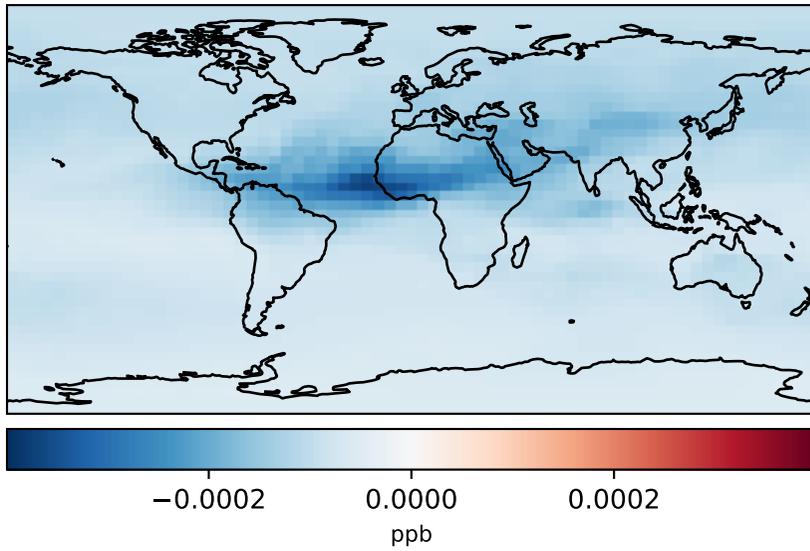


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_{dev} / GCHP_{ref} - GCC_{dev} / GCC_{ref}$

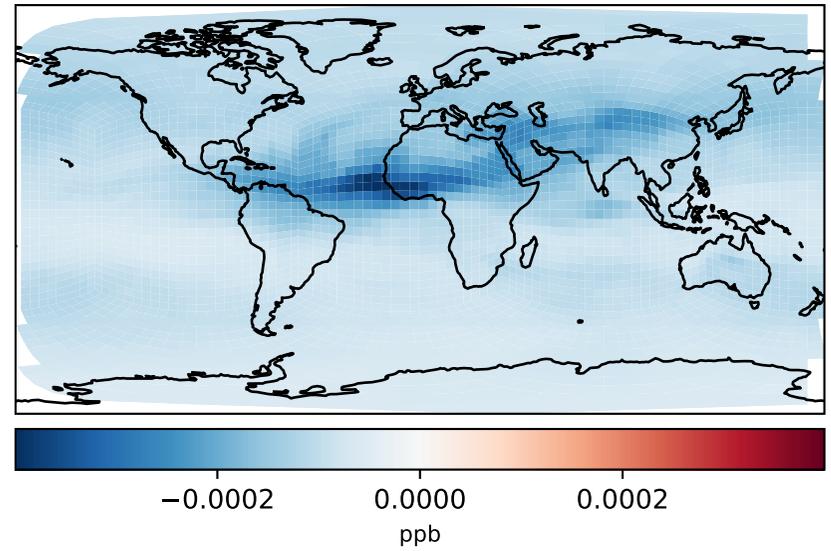


SpeciesConcVV_MENO3 (Oct2019)

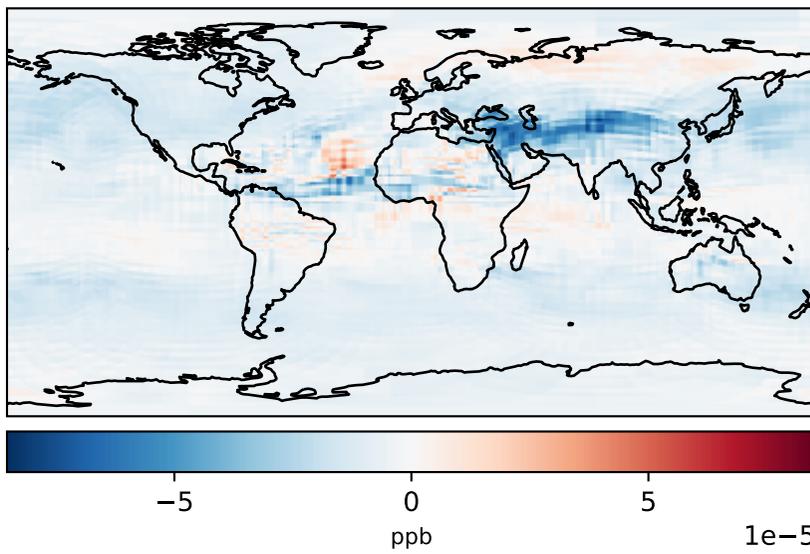
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



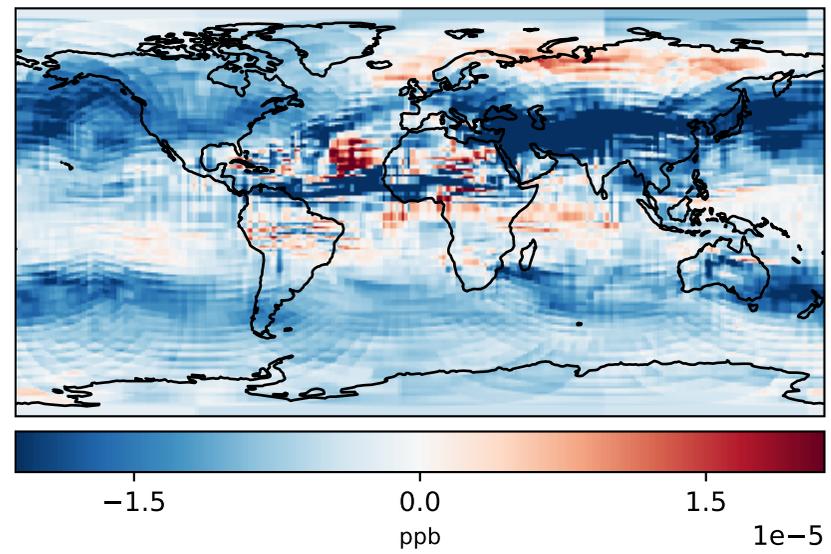
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



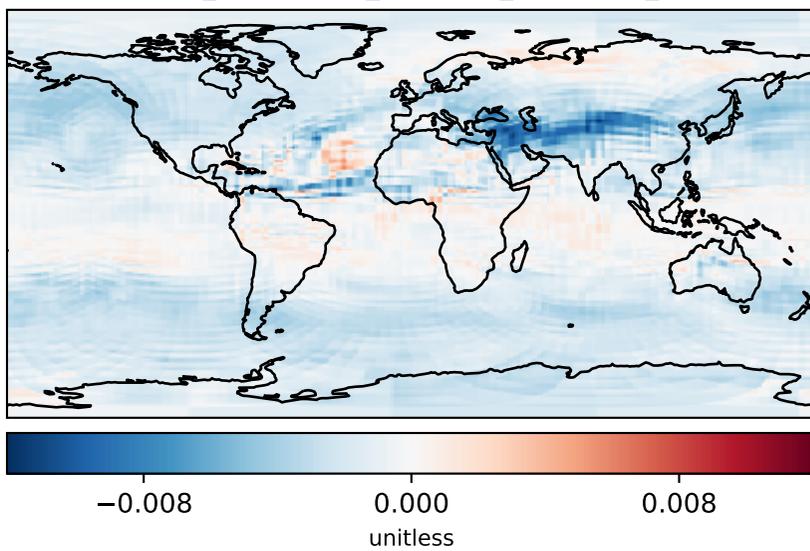
Difference (1x1.25)
Dev - Ref, Dynamic Range



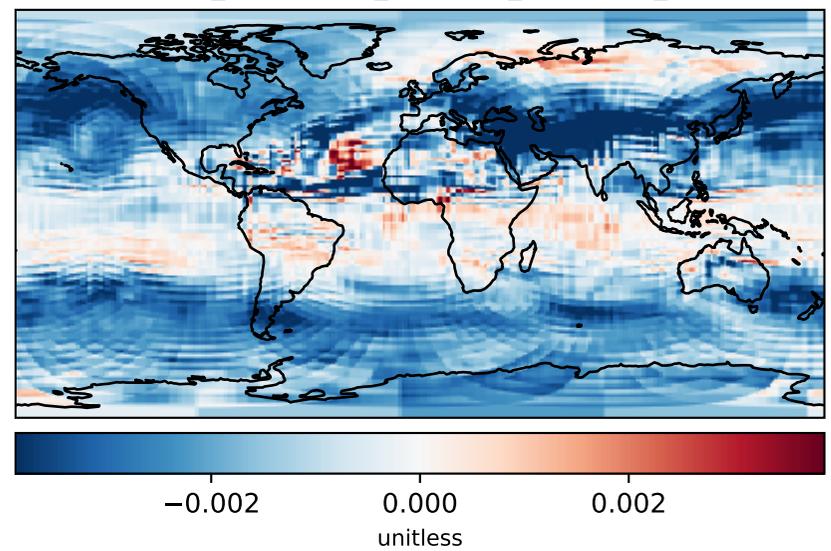
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

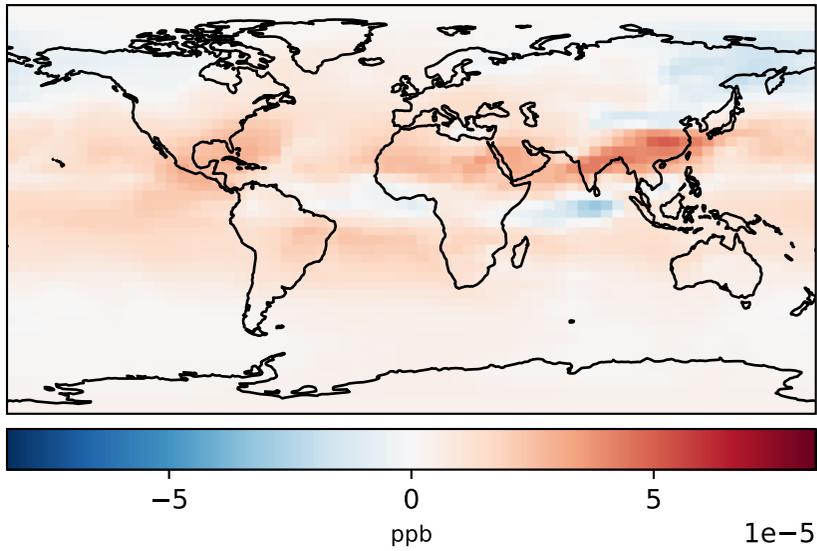


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

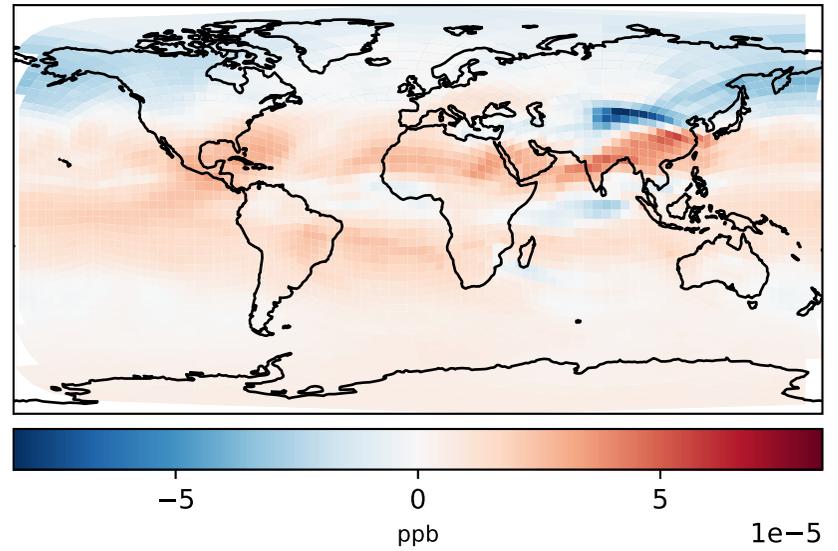


SpeciesConcVV_ETNO3 (Oct2019)

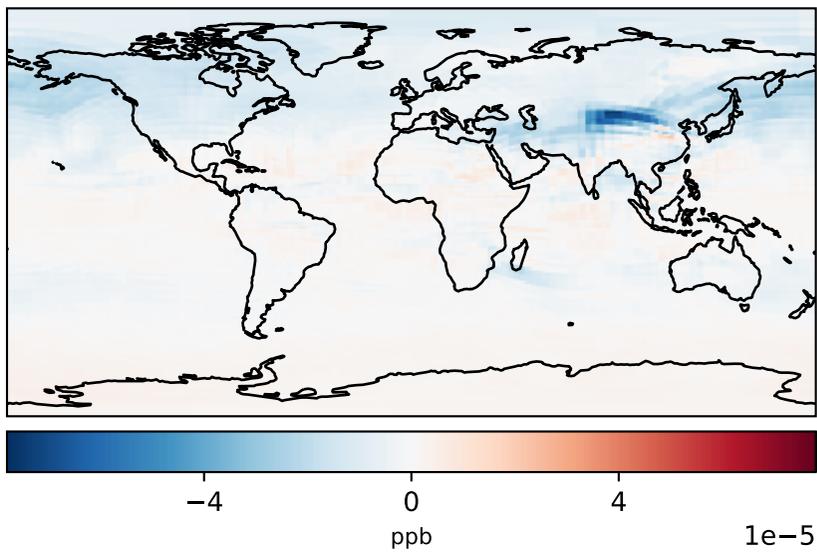
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



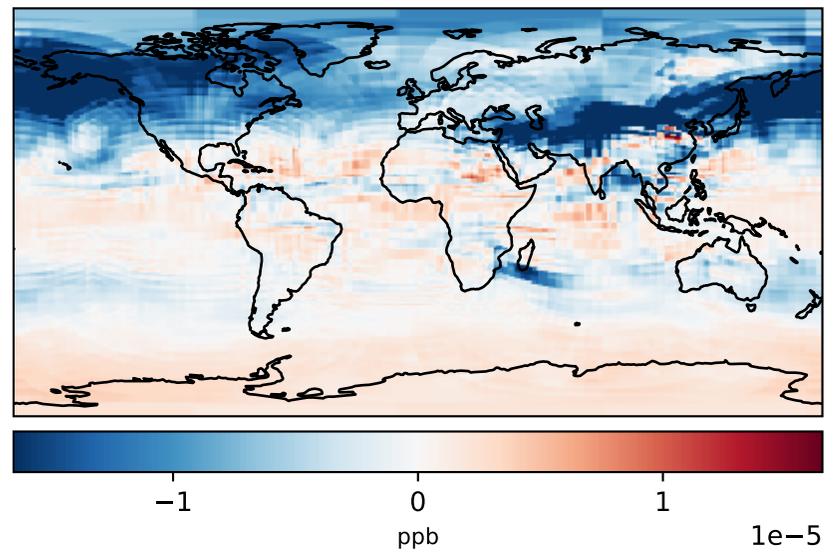
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



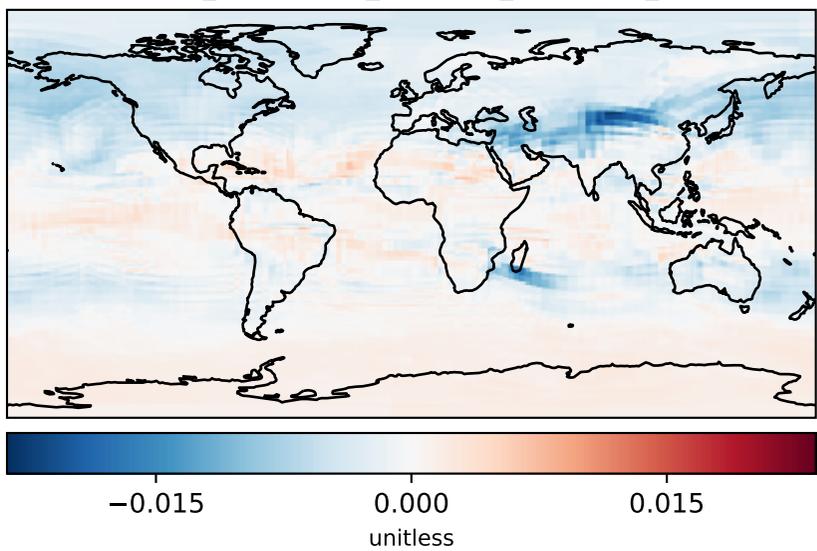
Difference (1x1.25)
Dev - Ref, Dynamic Range



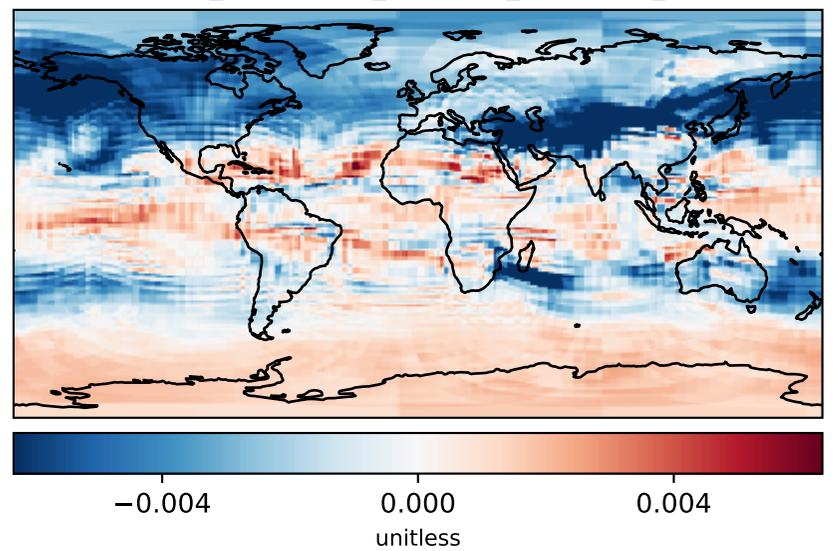
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

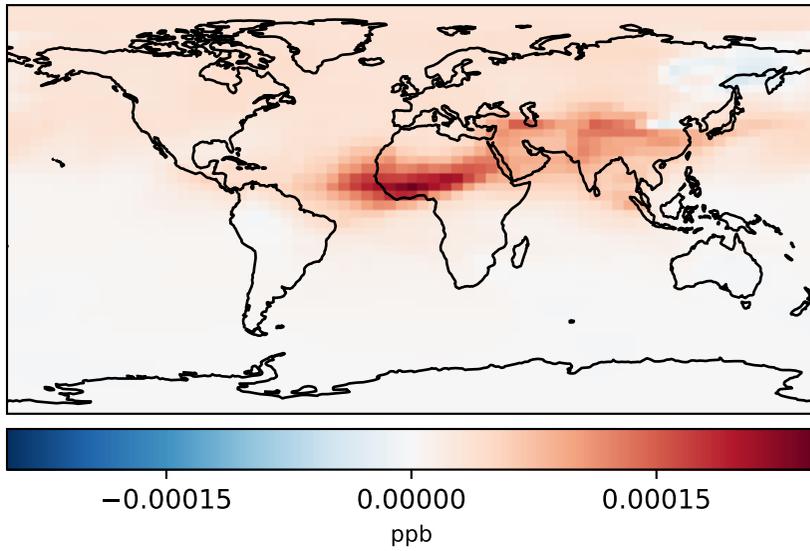


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

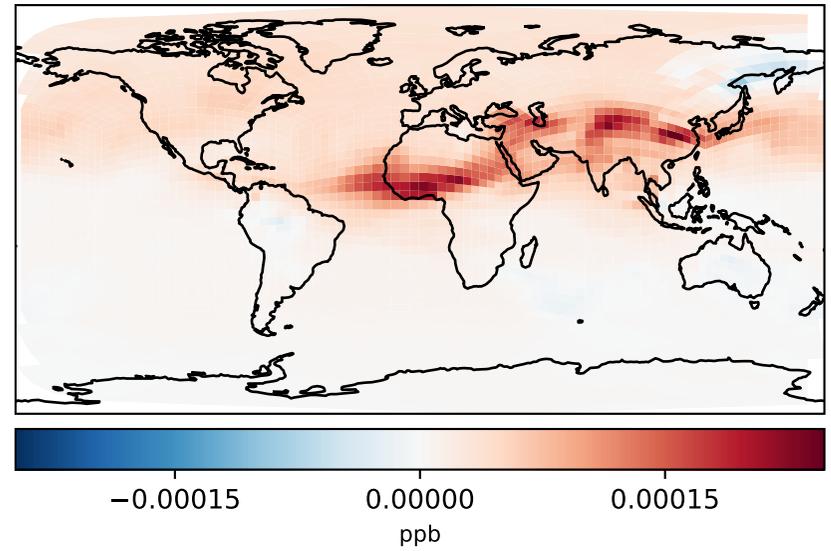


SpeciesConcVV_IPRNO3 (Oct2019)

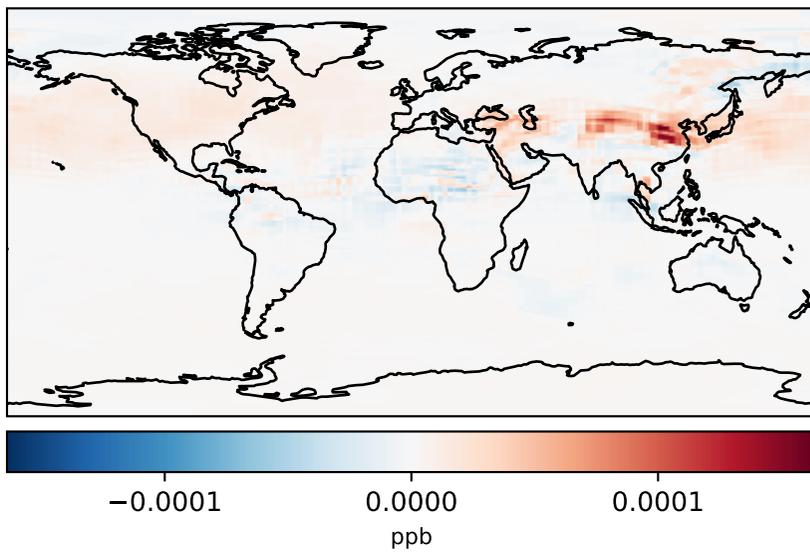
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



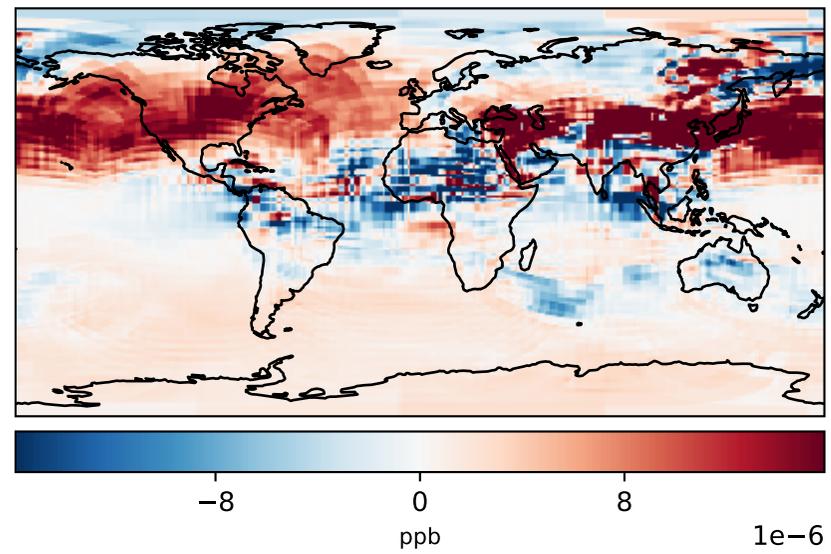
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



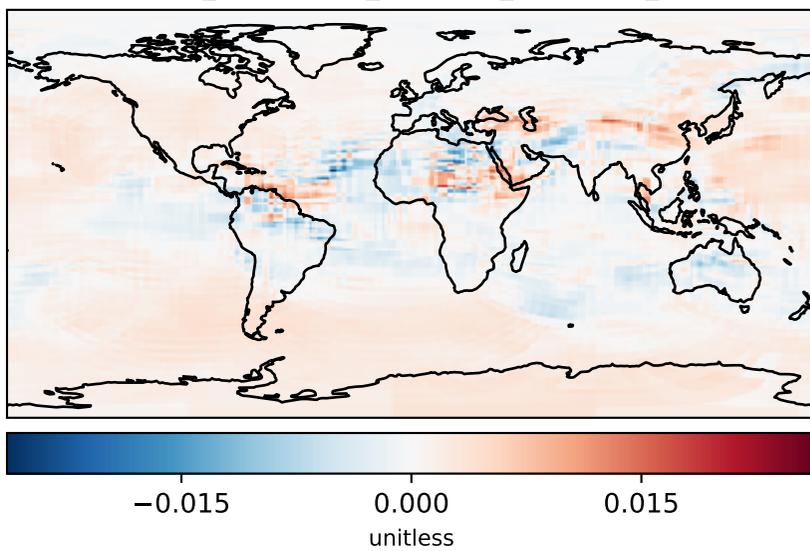
Difference (1x1.25)
Dev - Ref, Dynamic Range



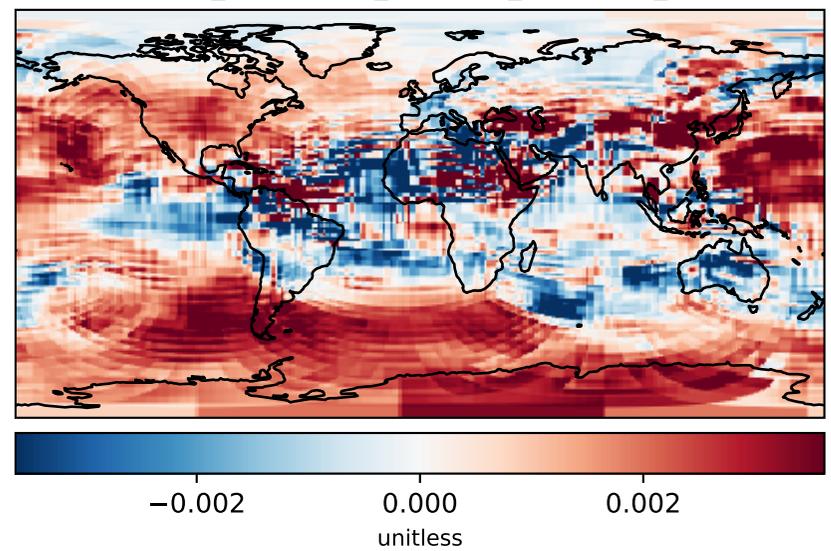
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

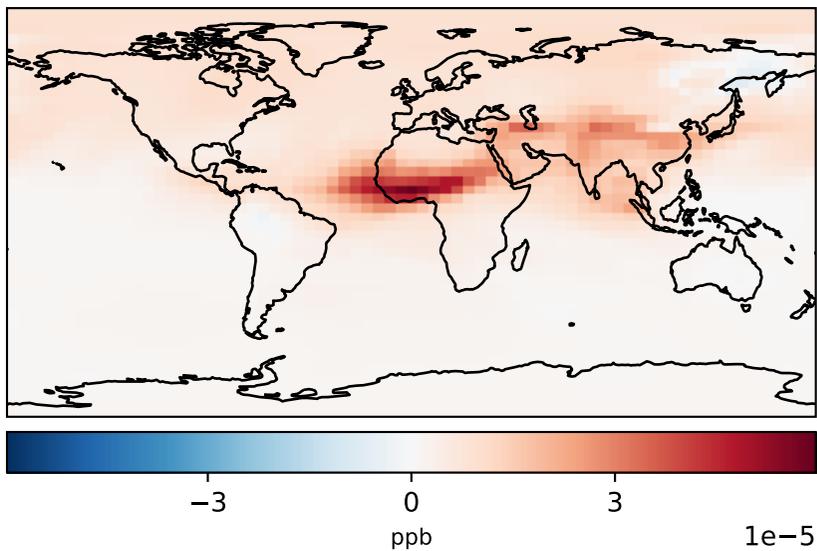


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

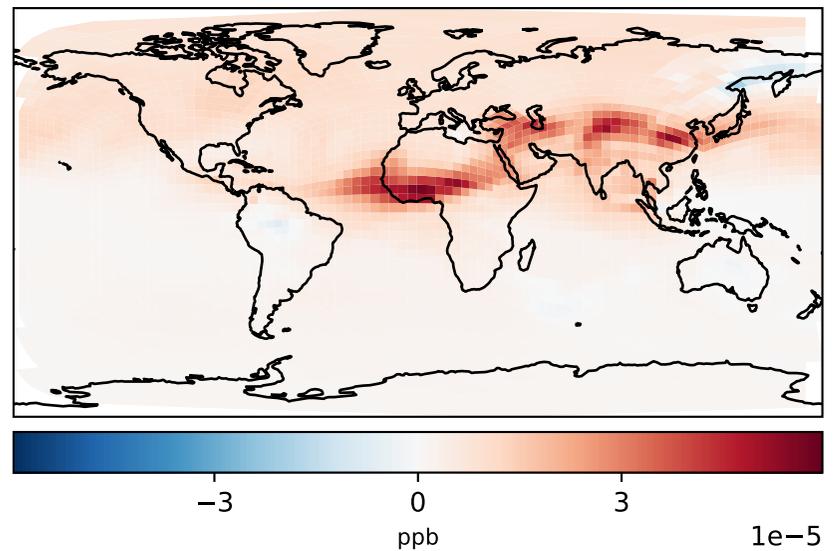


SpeciesConcVV_NPRNO3 (Oct2019)

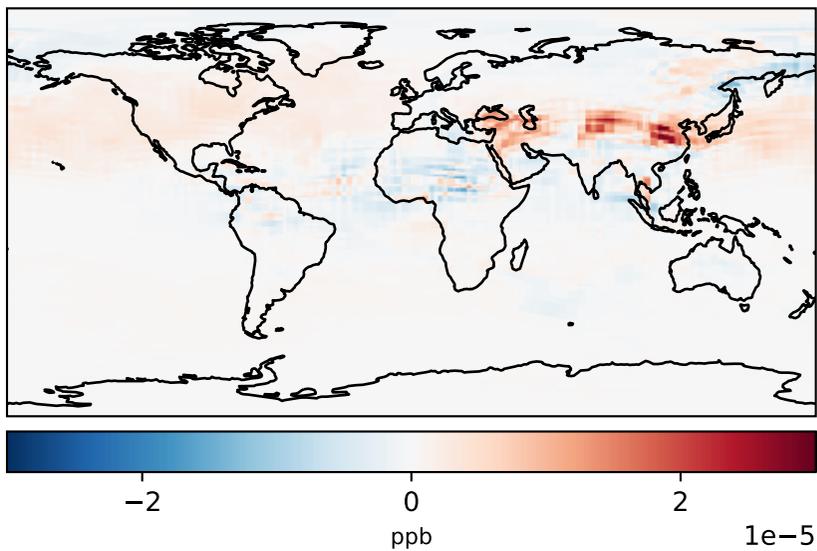
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



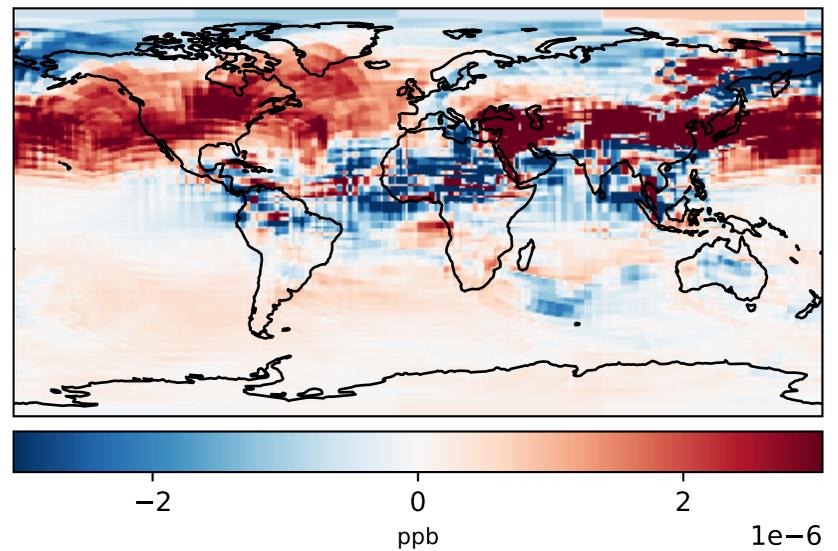
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



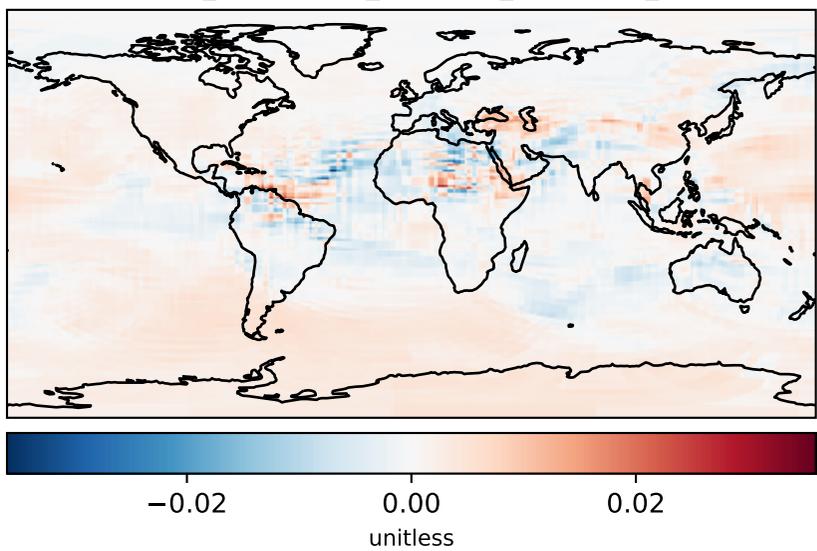
Difference (1x1.25)
Dev - Ref, Dynamic Range



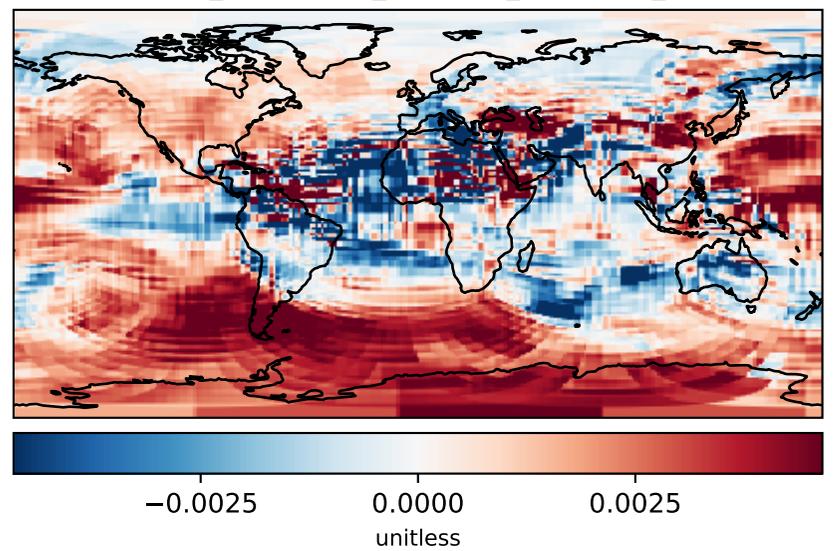
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

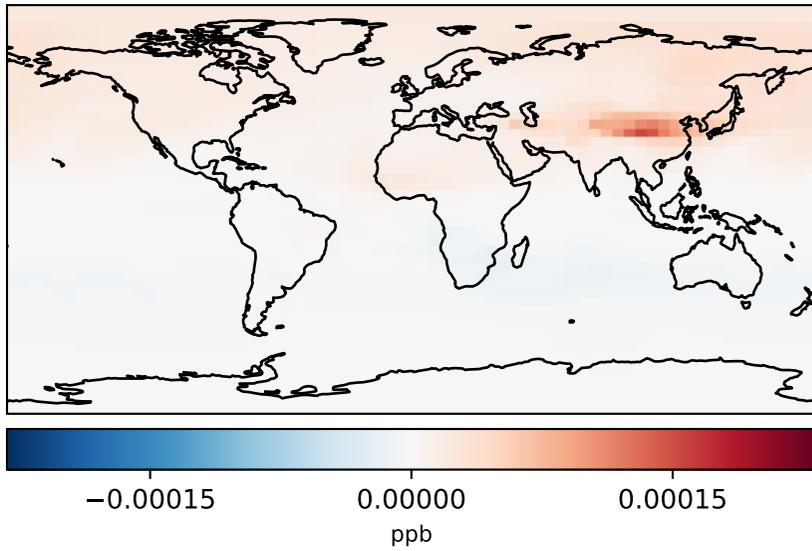


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

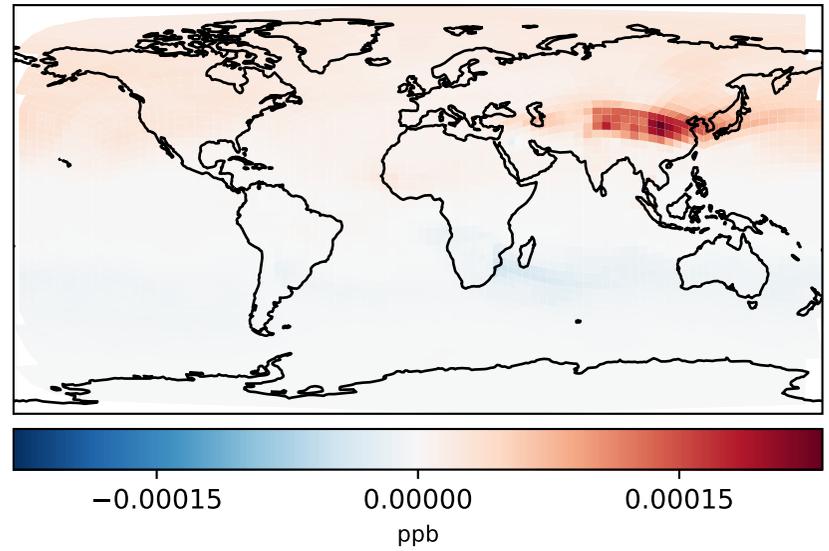


SpeciesConcVV_AONITA (Oct2019)

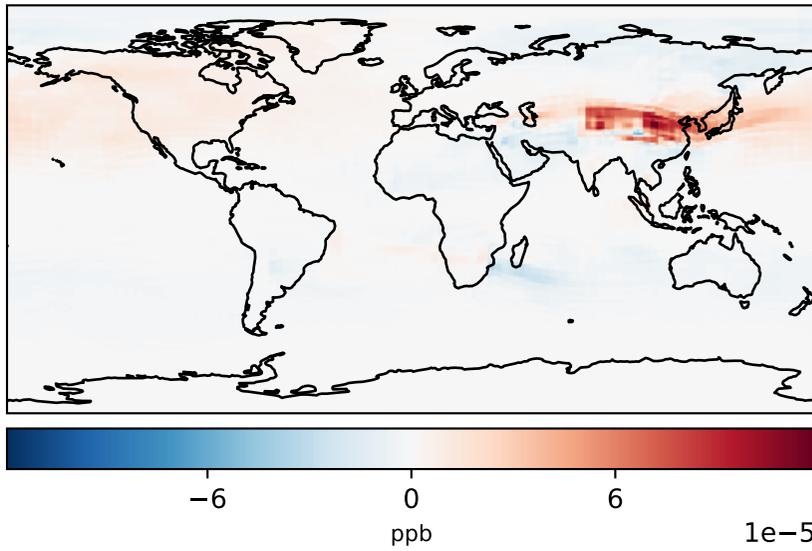
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



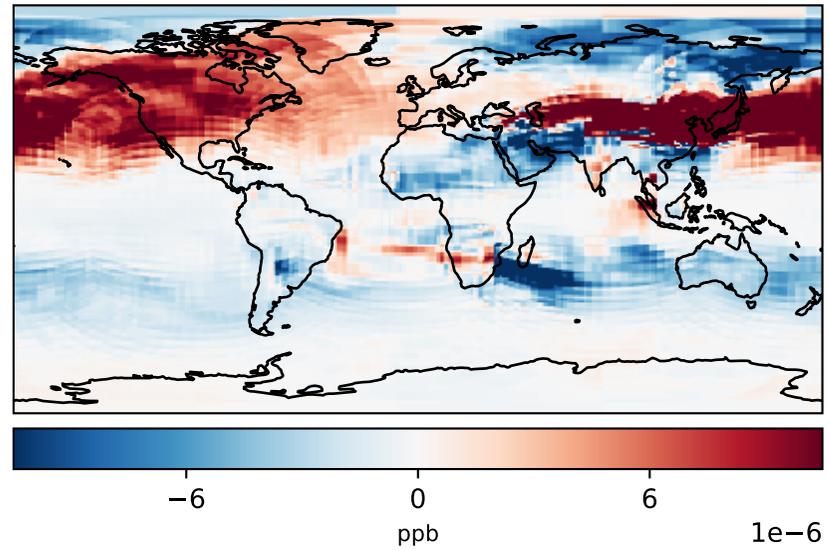
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



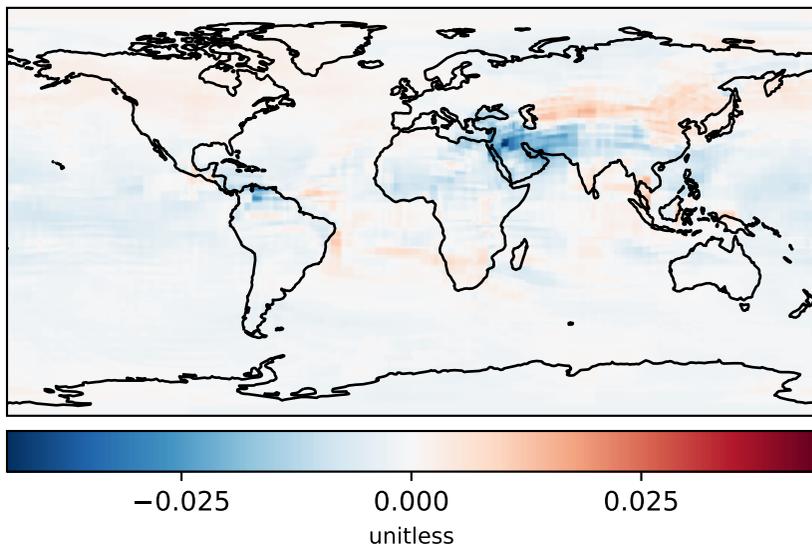
Difference (1x1.25)
Dev - Ref, Dynamic Range



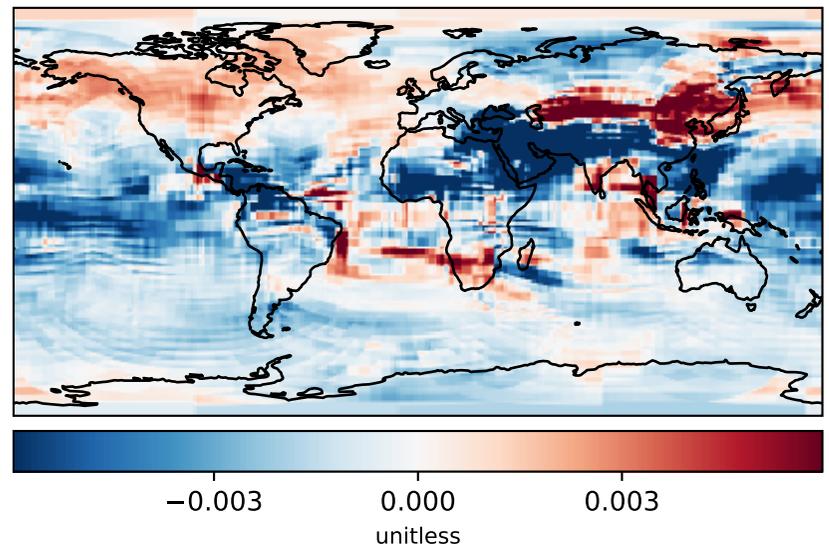
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

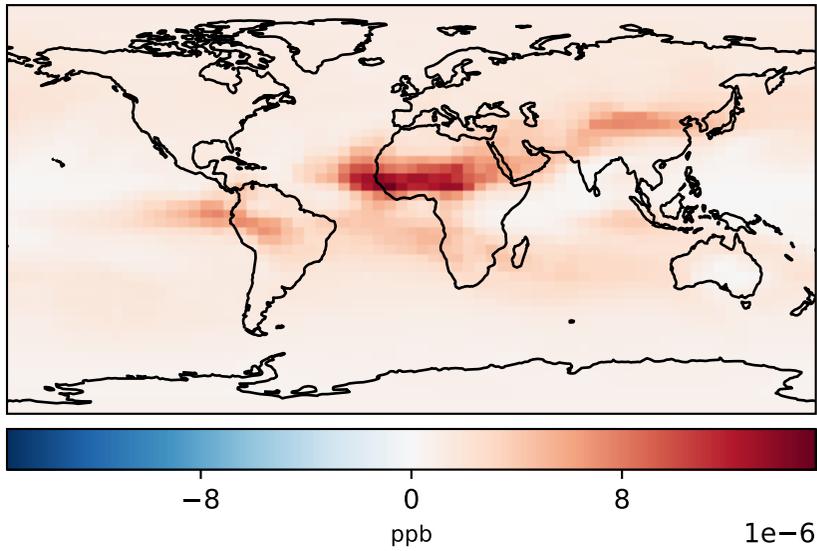


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

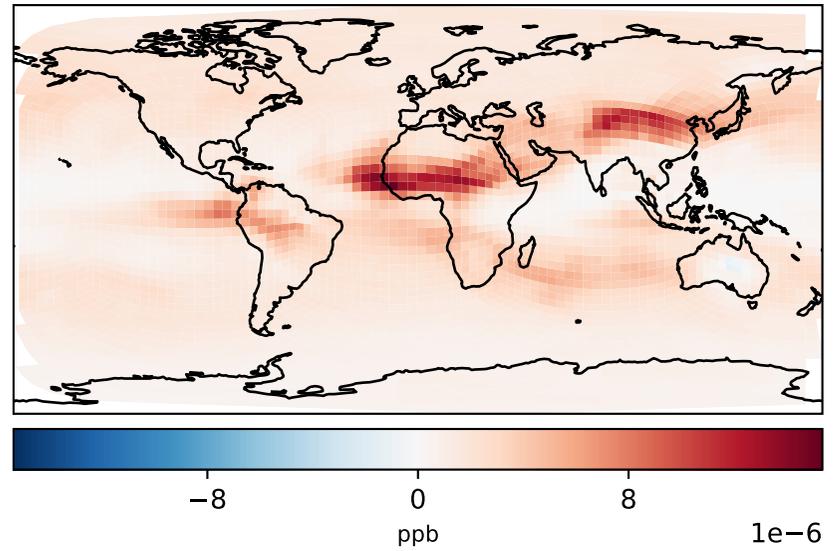


SpeciesConcVV_ETHN (Oct2019)

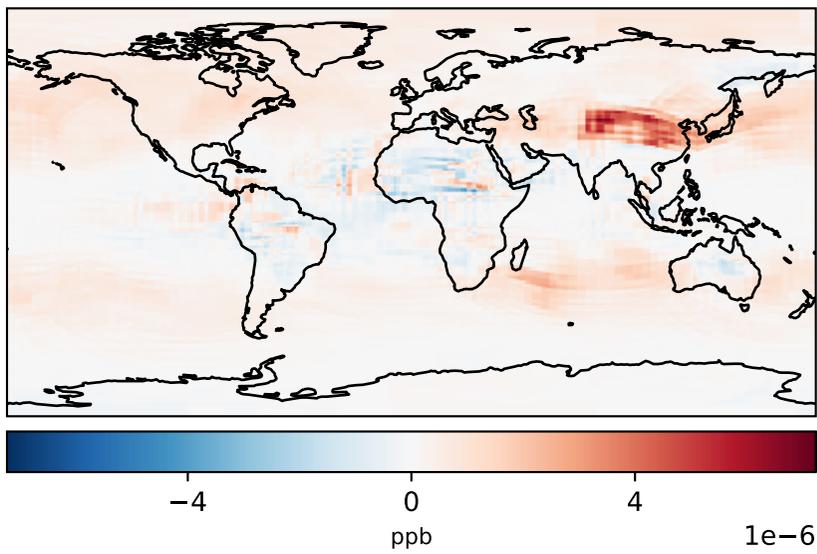
gcc.14.7.0-rc.0 - gcc.14.5.0-rc.0 (Ref)
4.0x5.0



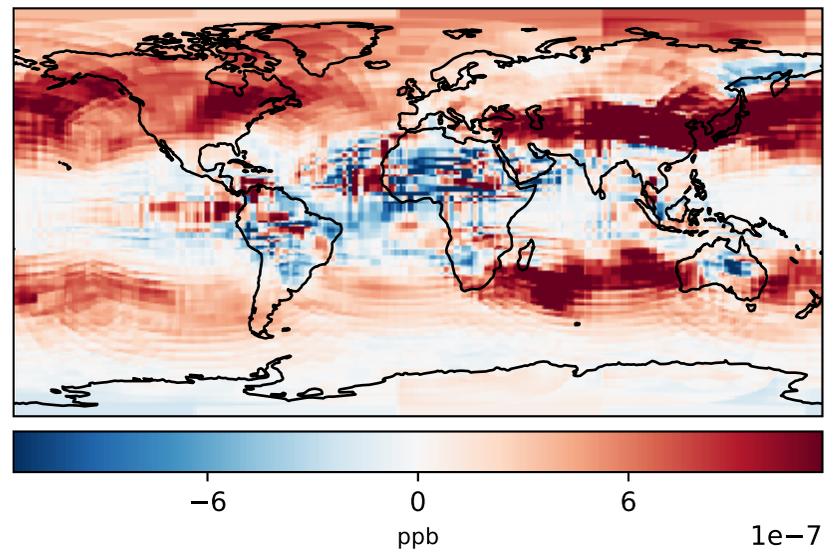
gchp.14.7.0-rc.0 - gchp.14.5.0-rc.0 (Dev)
c24



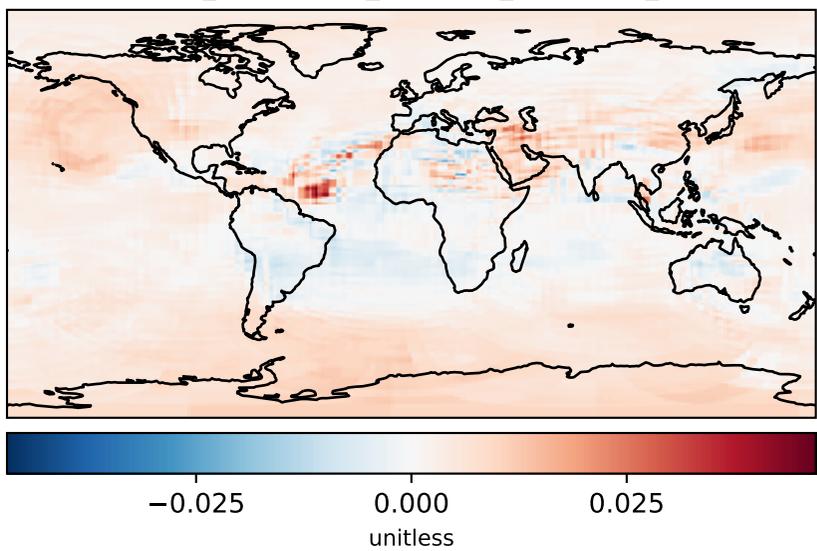
Difference (1x1.25)
Dev - Ref, Dynamic Range



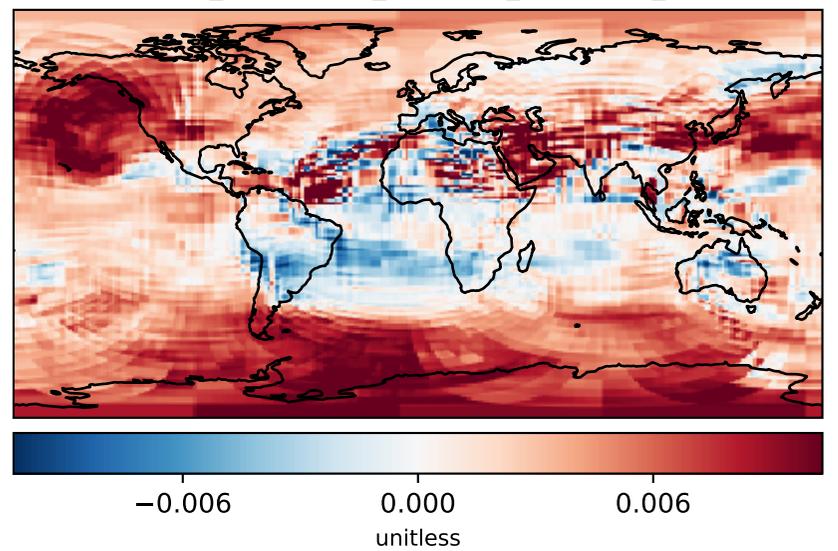
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

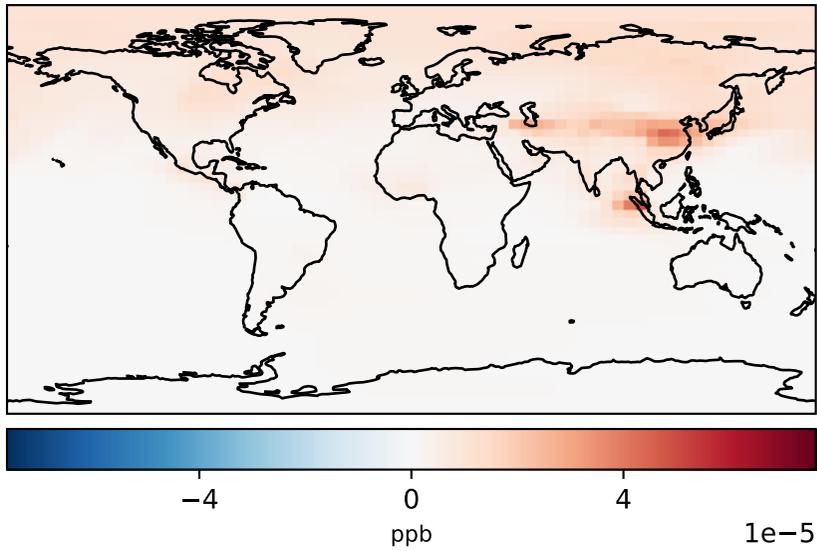


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

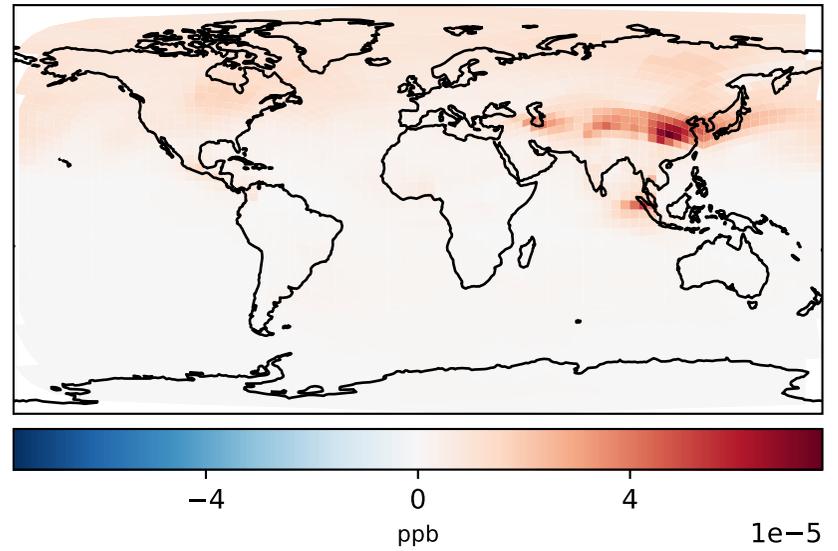


SpeciesConcVV_BZPAN (Oct2019)

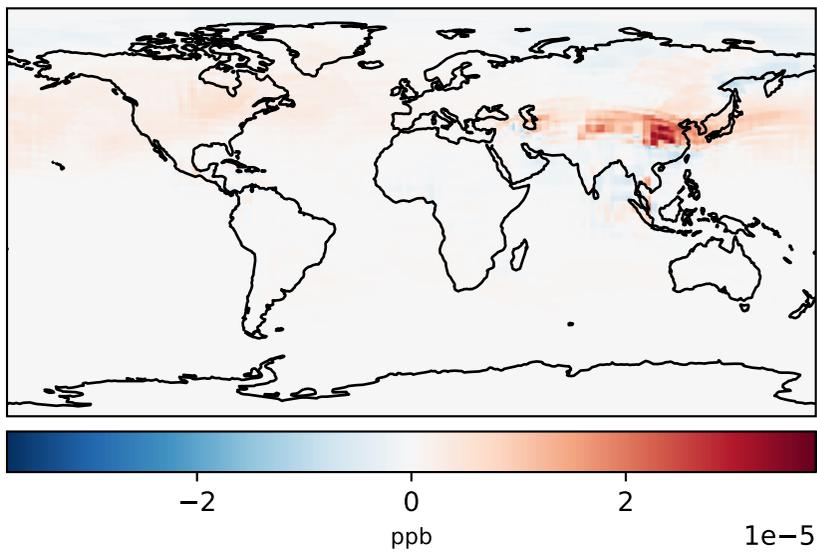
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



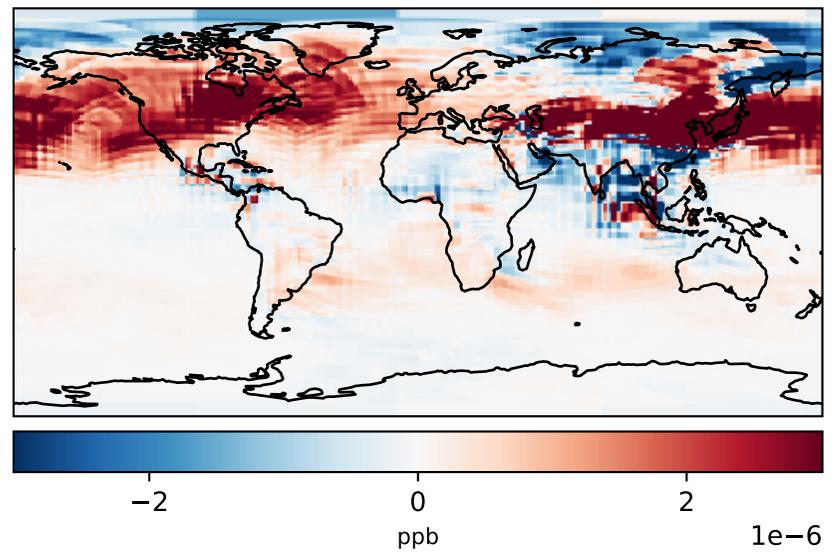
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



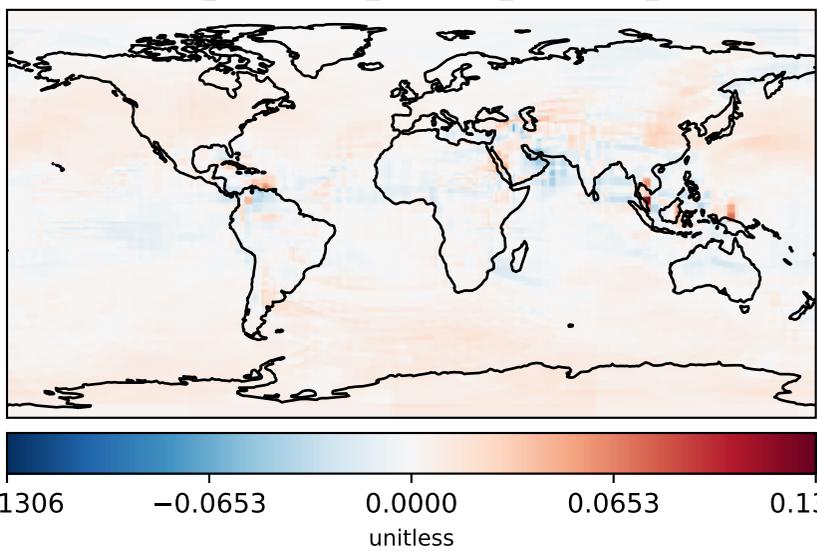
Difference (1x1.25)
Dev - Ref, Dynamic Range



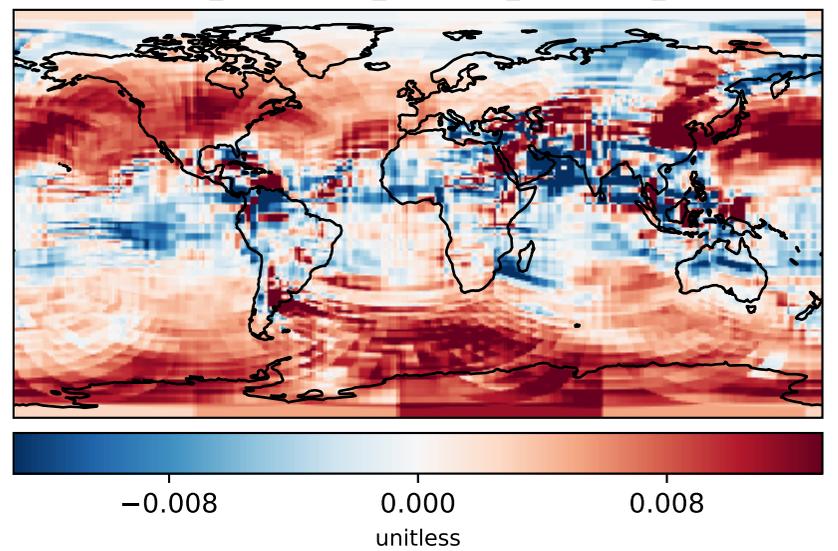
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

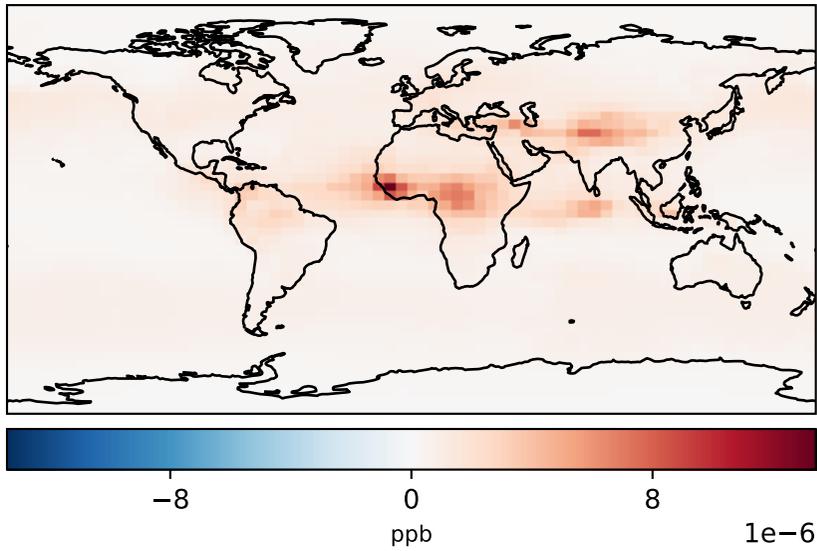


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

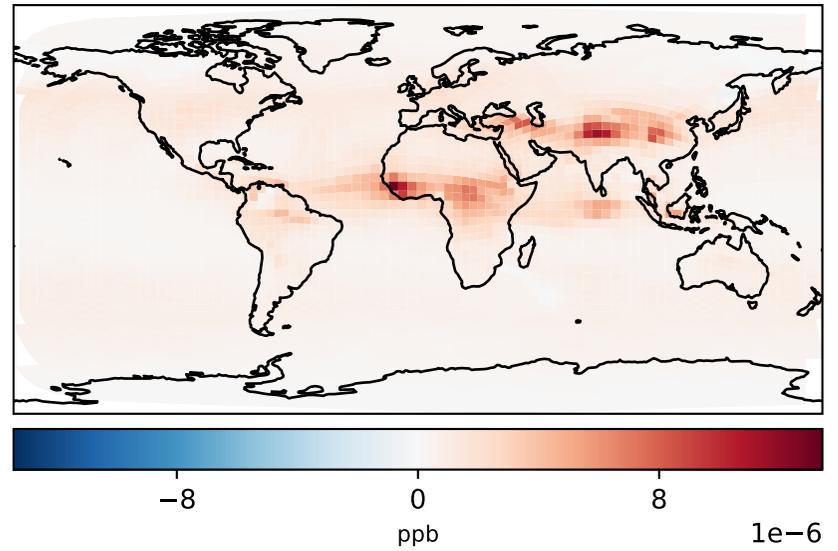


SpeciesConcVV_NPHEN (Oct2019)

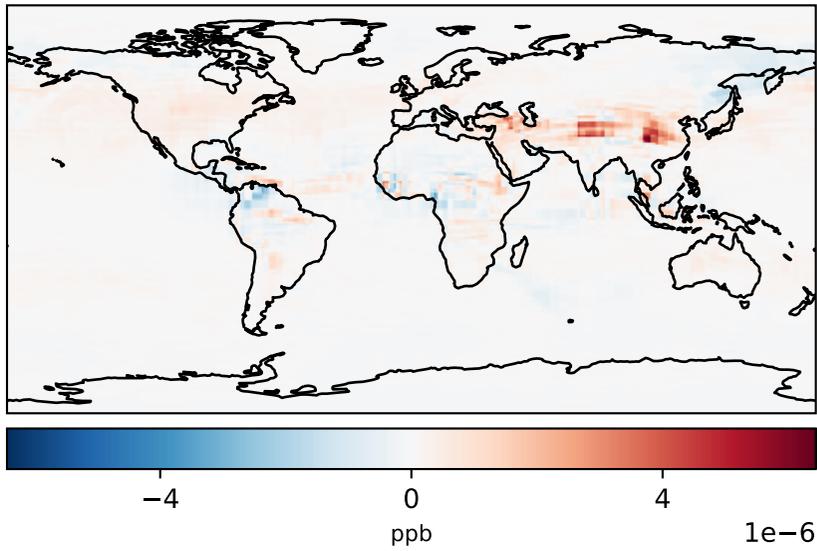
gcc.14.7.0-rc.0_-_gcc.14.5.0-rc.0 (Ref)
4.0x5.0



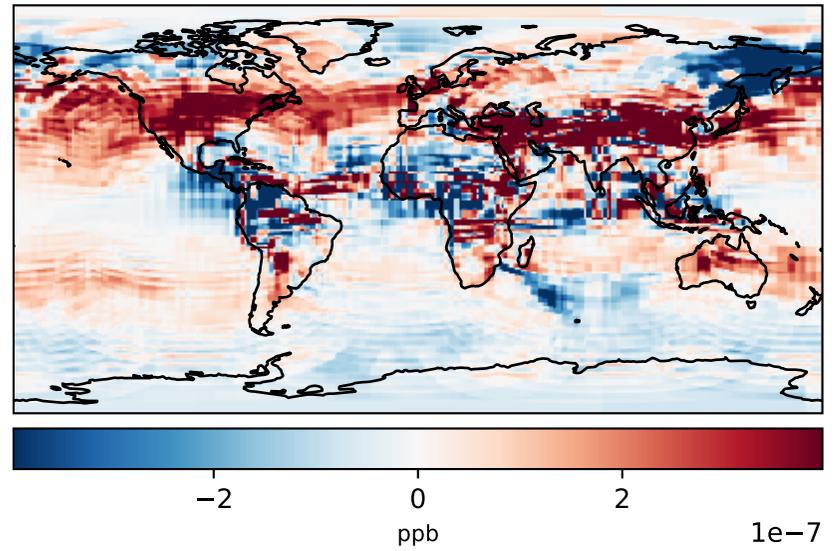
gchp.14.7.0-rc.0_-_gchp.14.5.0-rc.0 (Dev)
c24



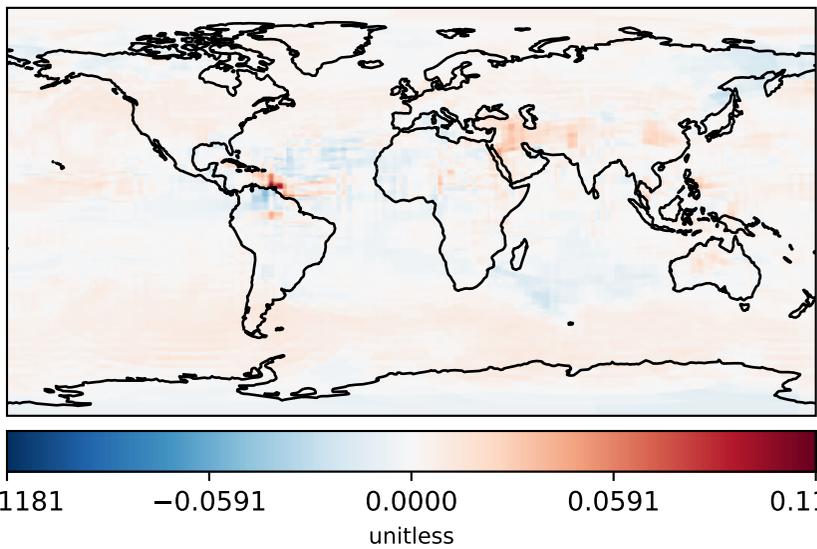
Difference (1x1.25)
Dev - Ref, Dynamic Range



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%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

