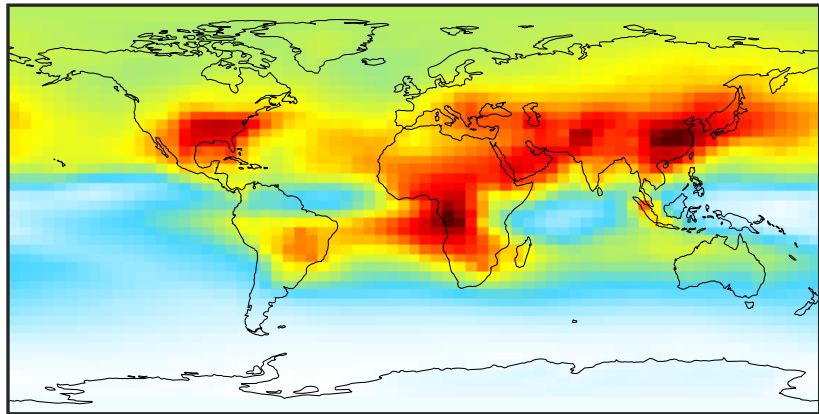


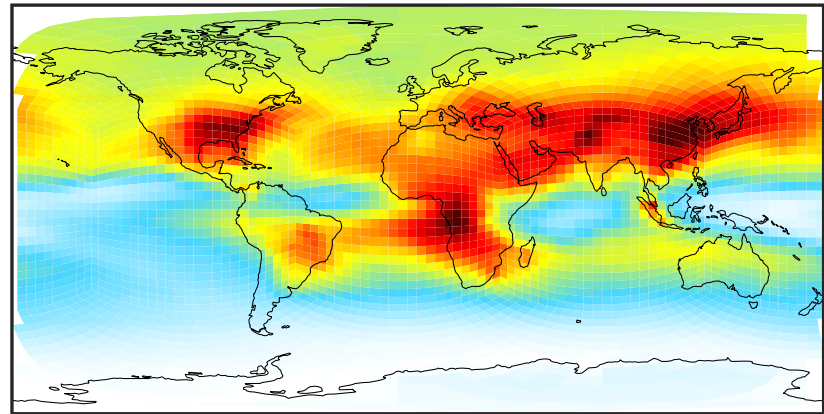
SpeciesConcVV_NOy (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



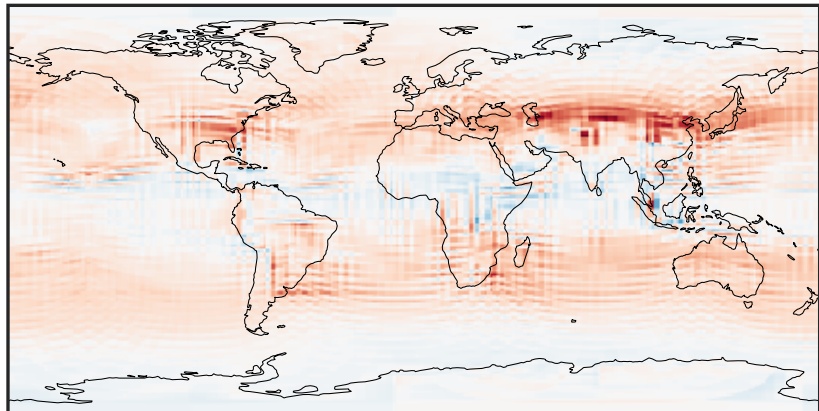
0.0513 0.1609 0.3219 0.4828 0.6950
ppb

GCHP_14.2.0 (Dev)
c24



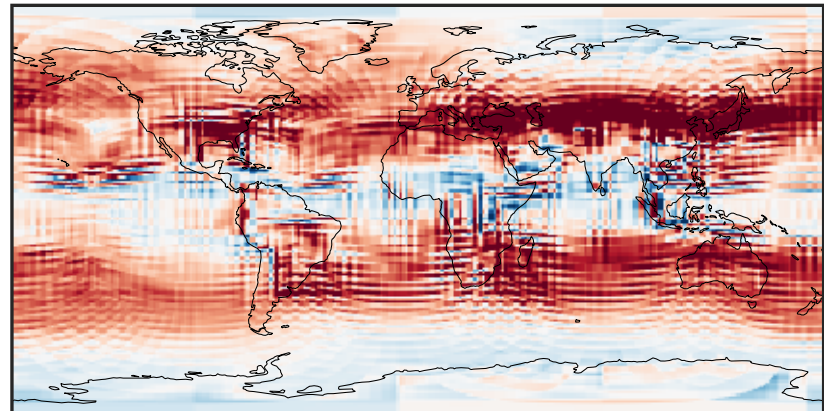
0.0513 0.1609 0.3219 0.4828 0.6950
ppb

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



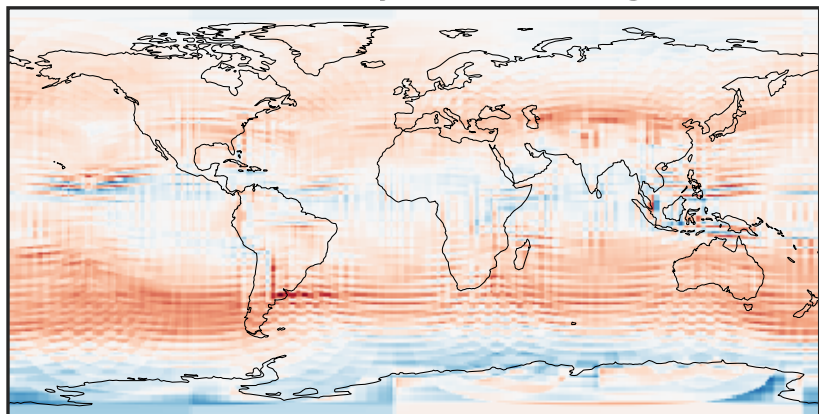
-0.1278 -0.0639 0.0000 0.0639 0.1278
ppb

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



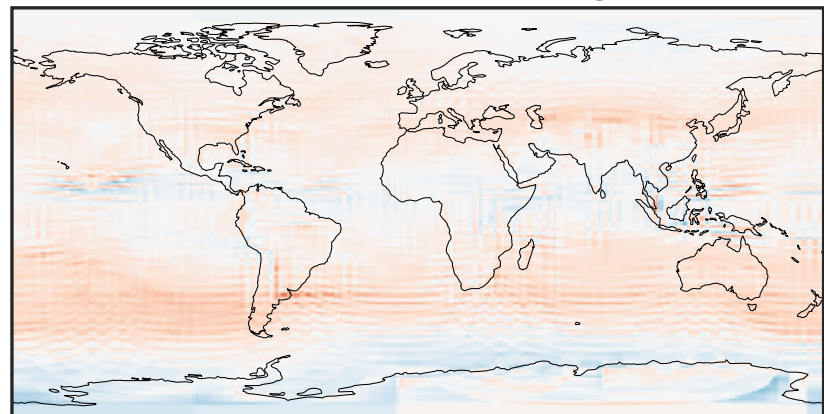
-0.02 0.00 0.02
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.6919 0.8459 1.0000 1.2227 1.4453
unitless

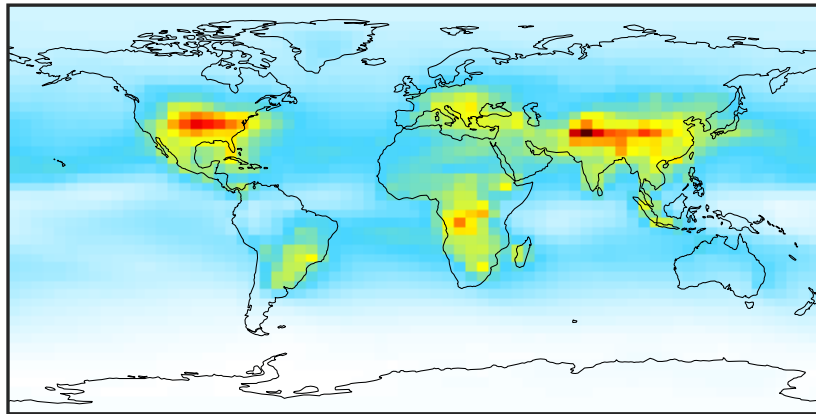
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

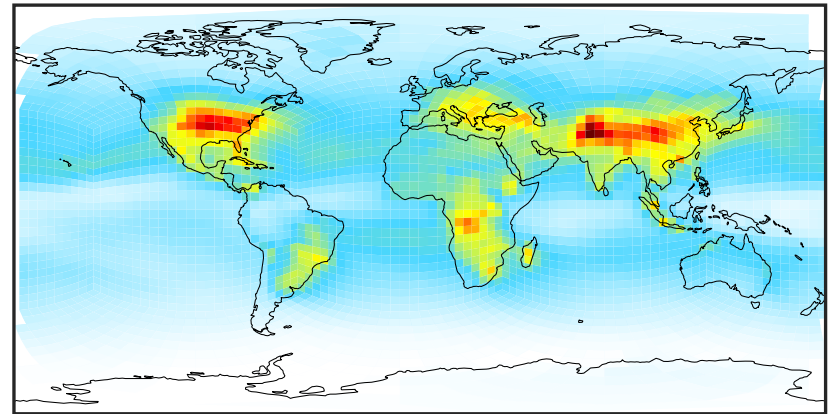
SpeciesConcVV_NOx (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



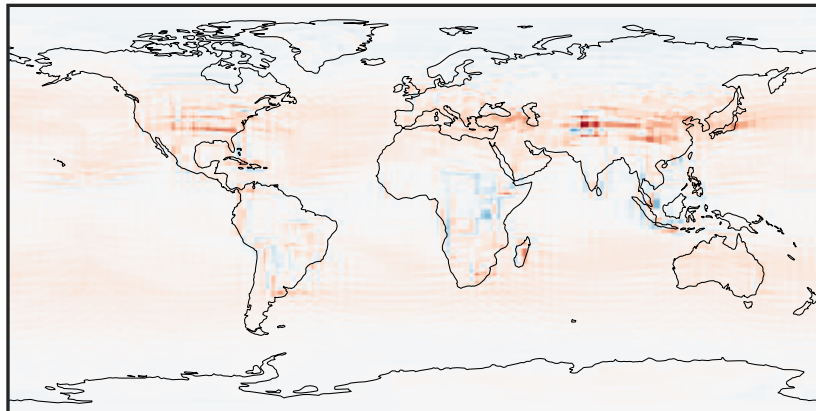
0.0062 0.0391 0.0782 0.1173 0.1626
ppb

GCHP_14.2.0 (Dev)
c24



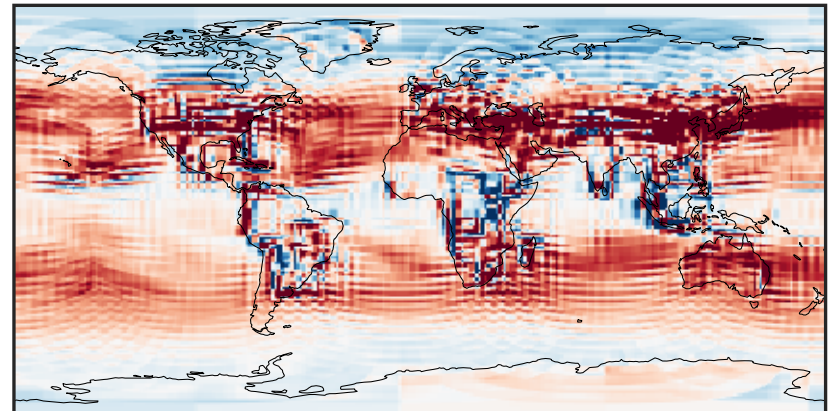
0.0062 0.0391 0.0782 0.1173 0.1626
ppb

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



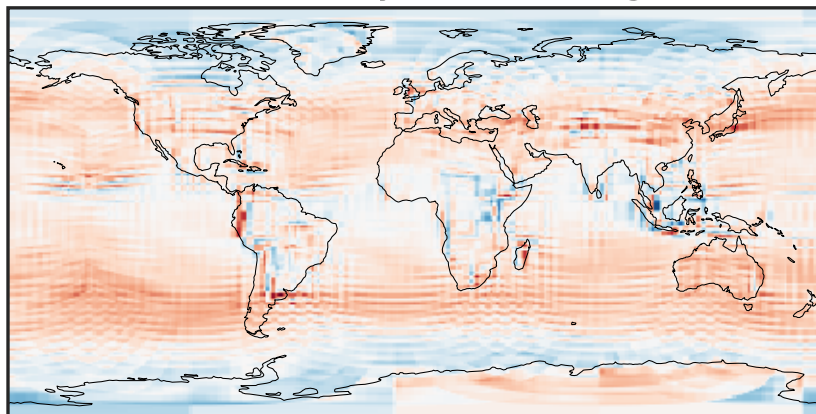
-0.0515 -0.0258 0.0000 0.0258 0.0515
ppb

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



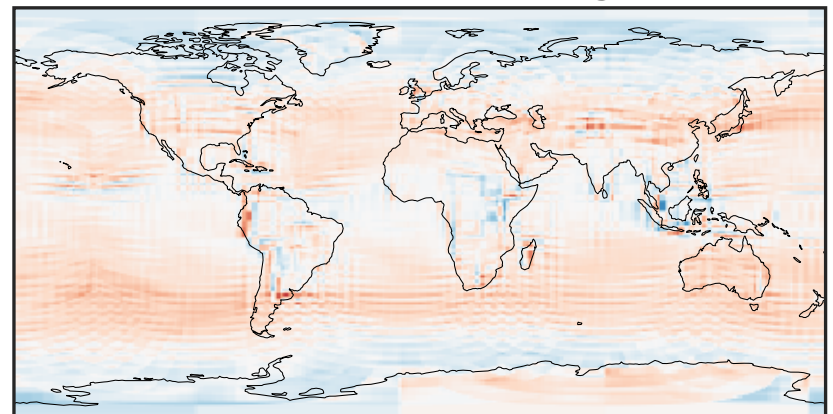
-0.004 0.000 0.004
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.609 0.804 1.000 1.321 1.643
unitless

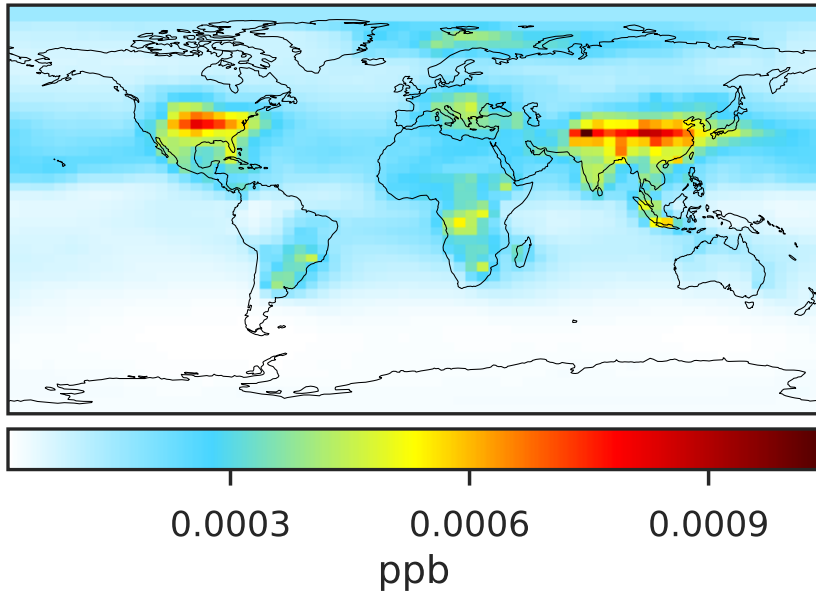
Ratio (1x1.25)
Dev/Ref, Fixed Range



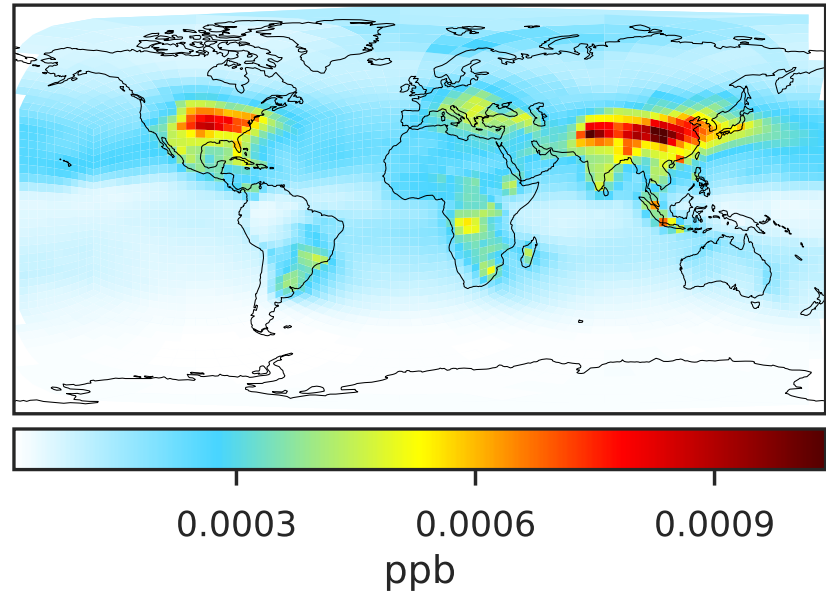
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO2 (AnnualMean)

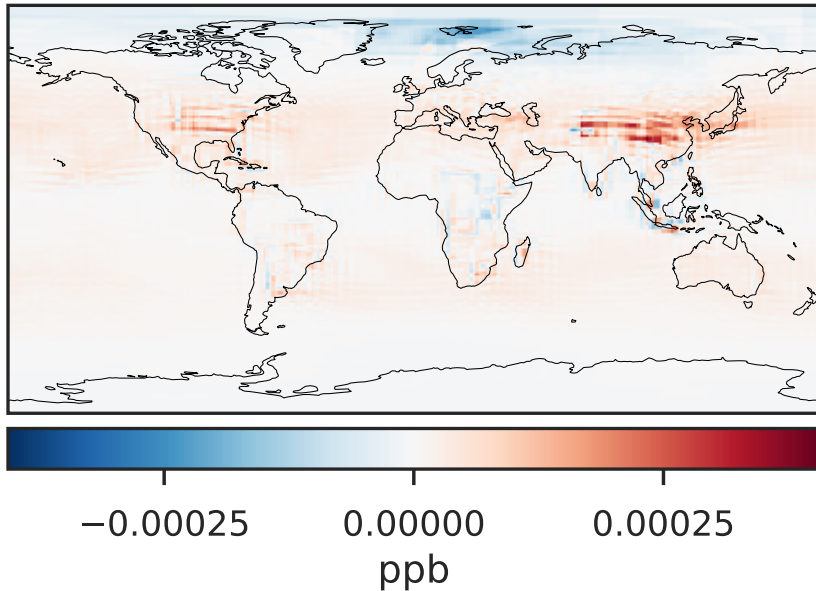
GCC_14.2.0 (Ref)
4.0x5.0



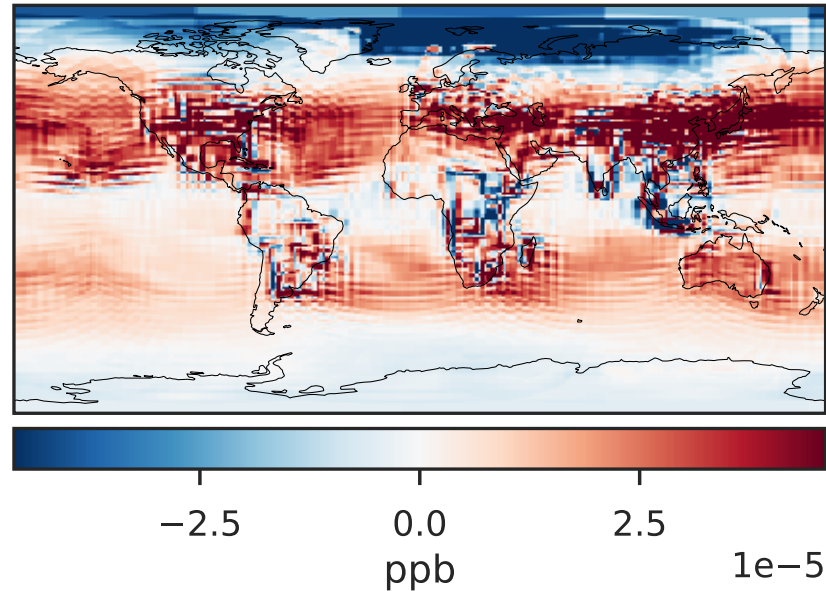
GCHP_14.2.0 (Dev)
c24



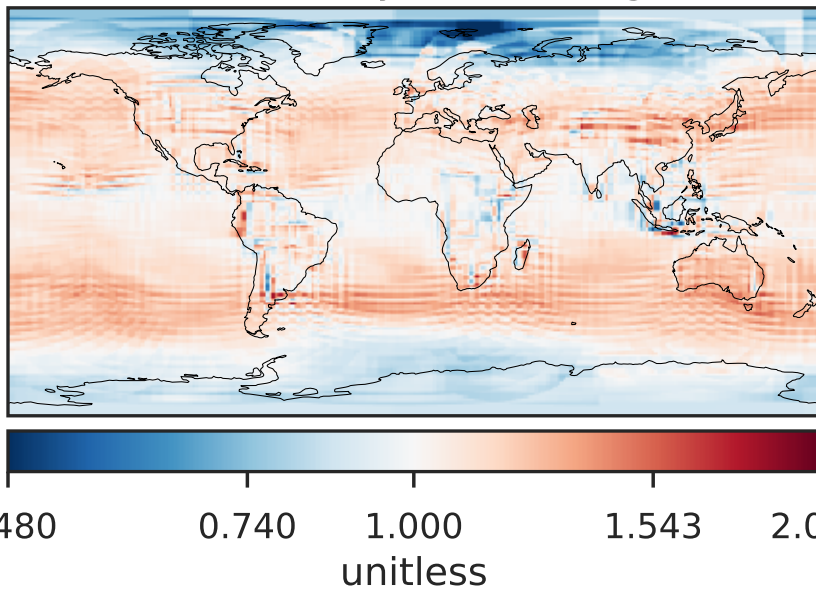
Difference (1x1.25)
Dev - Ref, Dynamic Range



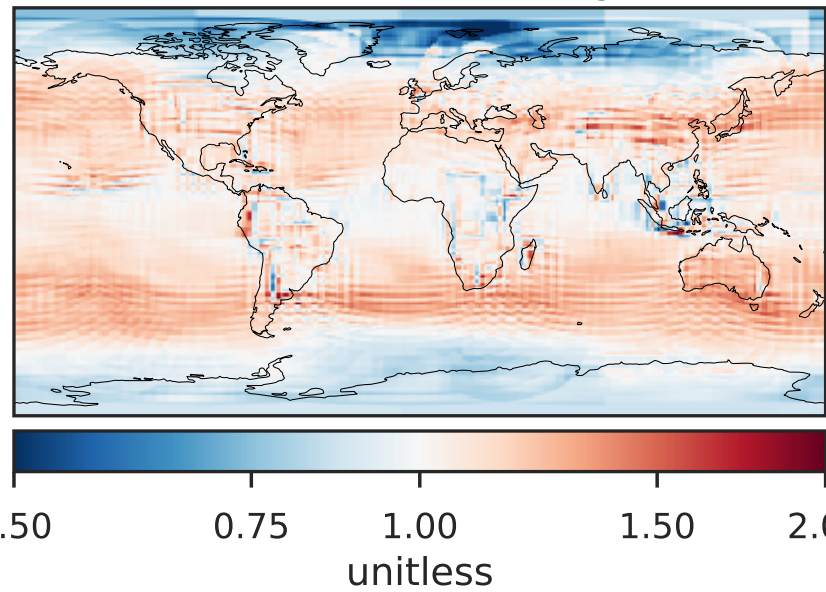
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

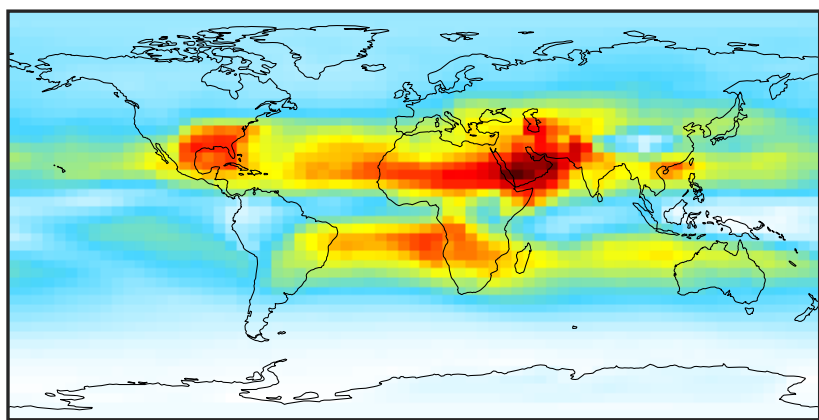


Ratio (1x1.25)
Dev/Ref, Fixed Range



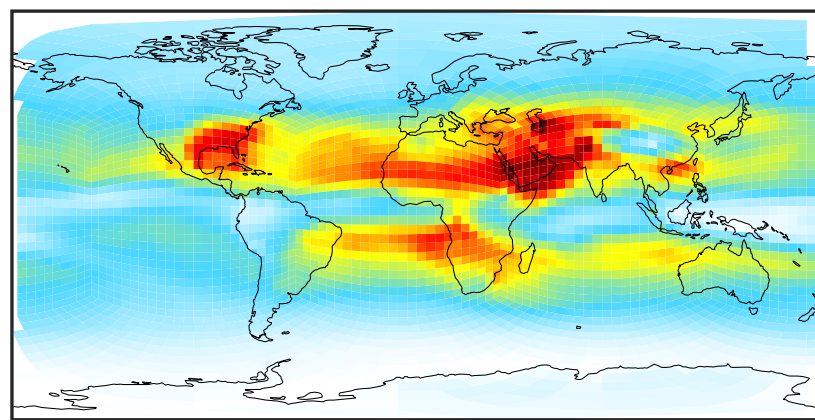
SpeciesConcVV_HNO3 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



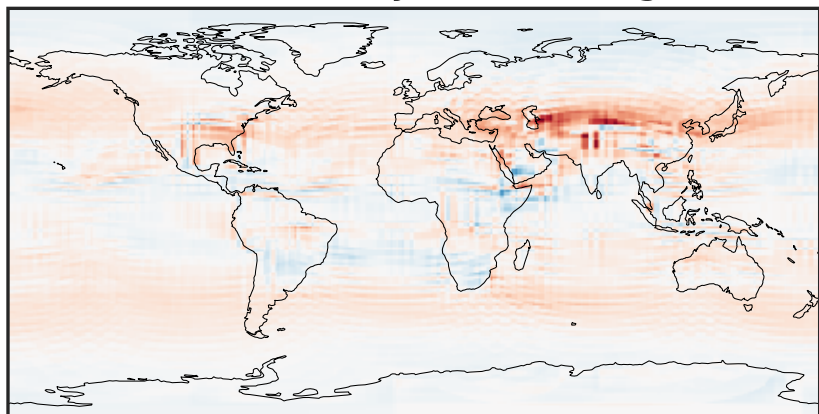
0.0138 0.0744 0.1488 0.2232 0.3114
ppb

GCHP_14.2.0 (Dev)
c24



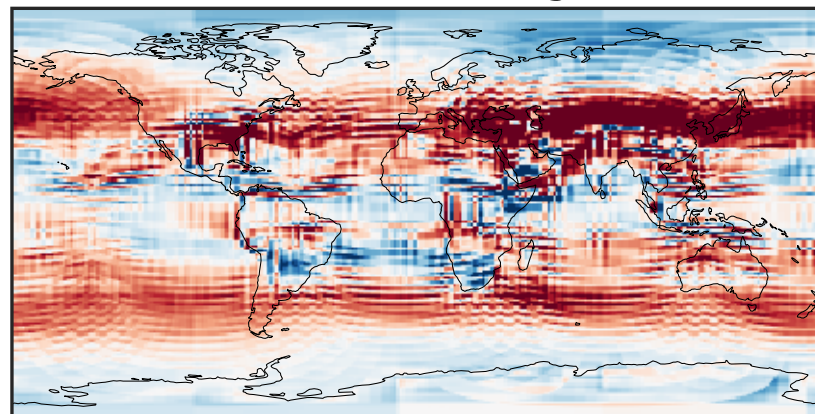
0.0138 0.0744 0.1488 0.2232 0.3114
ppb

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



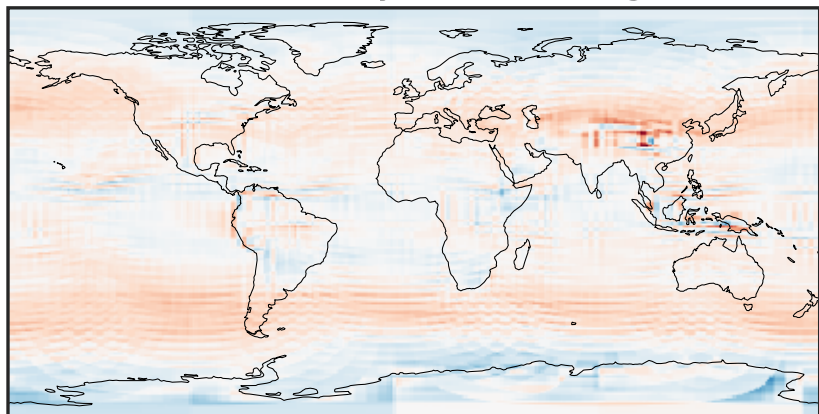
-0.0909 -0.0454 0.0000 0.0454 0.0909
ppb

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



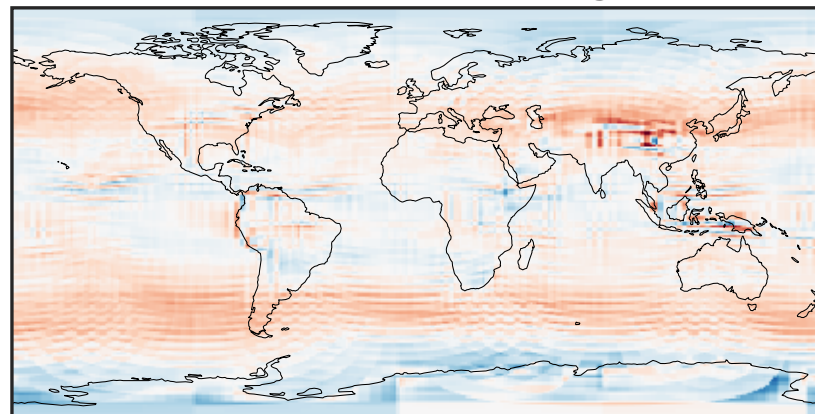
-0.01 0.00 0.01
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.408 0.704 1.000 1.725 2.450
unitless

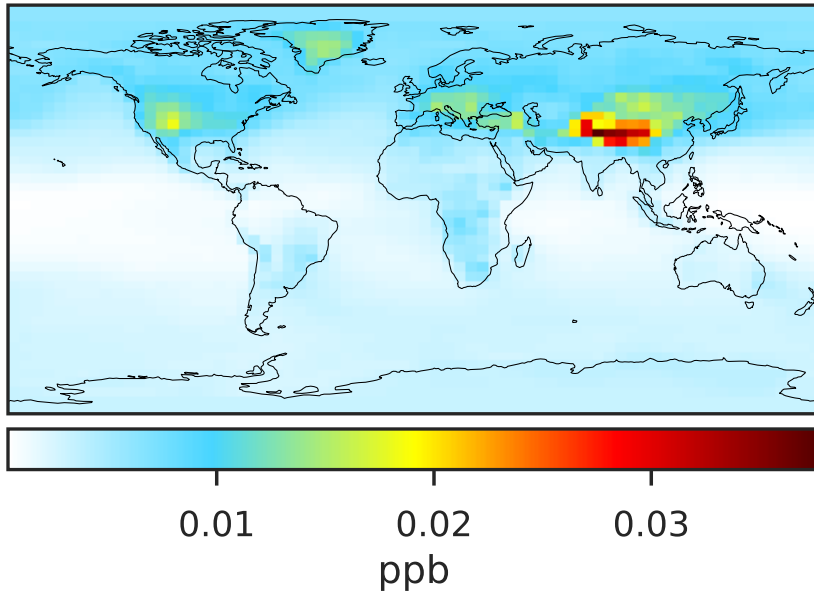
Ratio (1x1.25)
Dev/Ref, Fixed Range



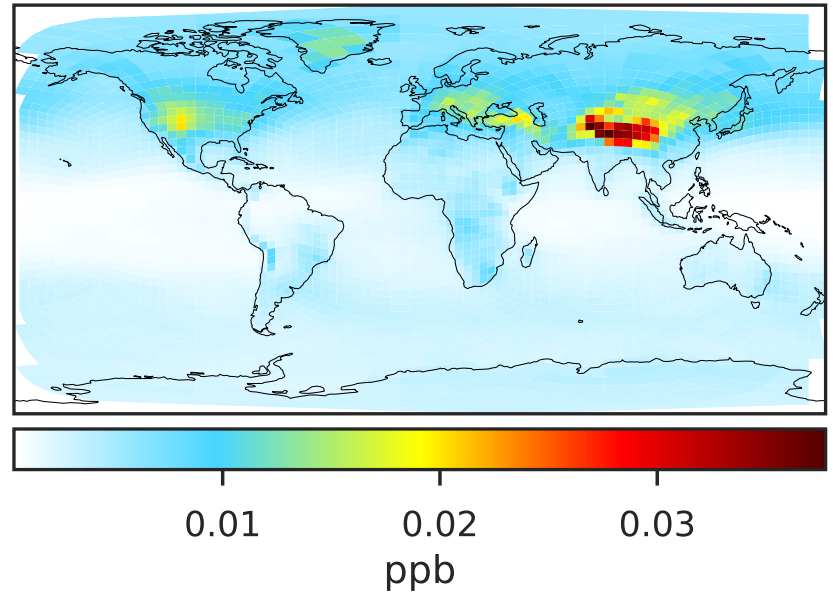
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO4 (AnnualMean)

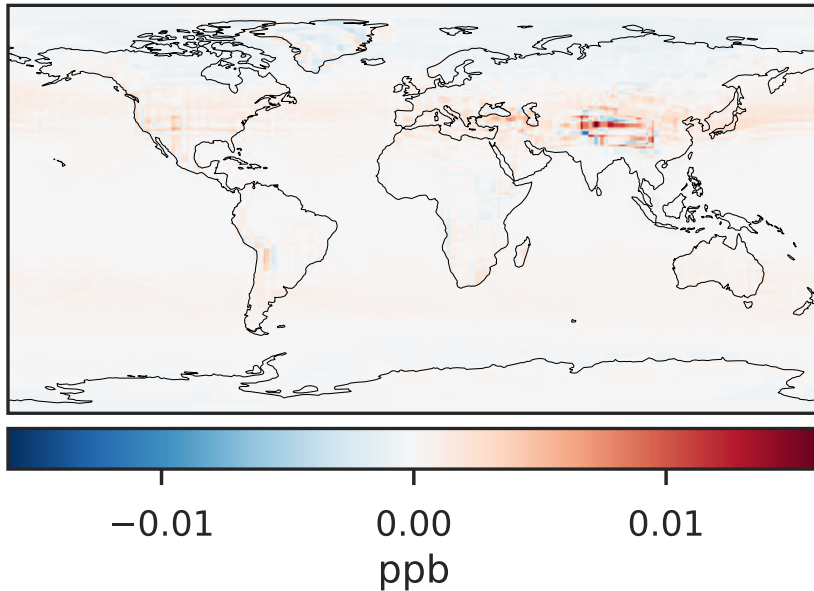
GCC_14.2.0 (Ref)
4.0x5.0



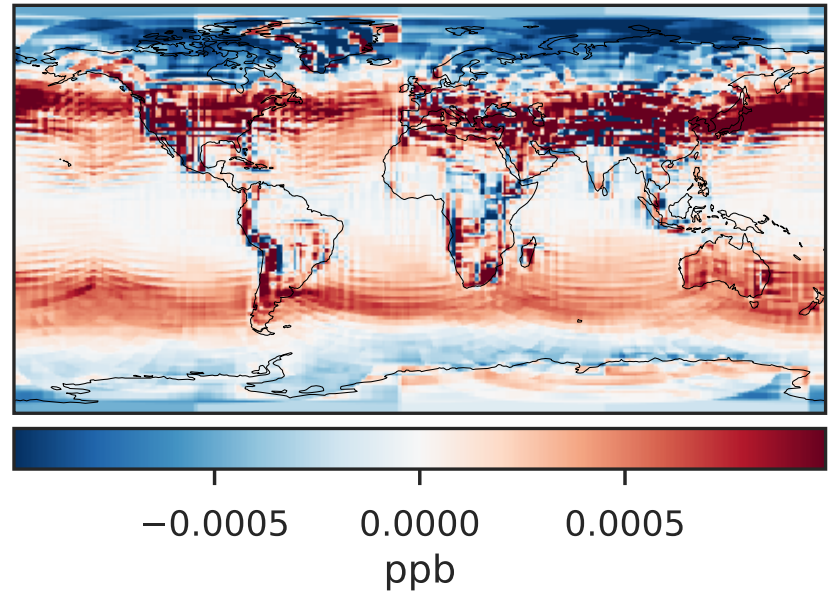
GCHP_14.2.0 (Dev)
c24



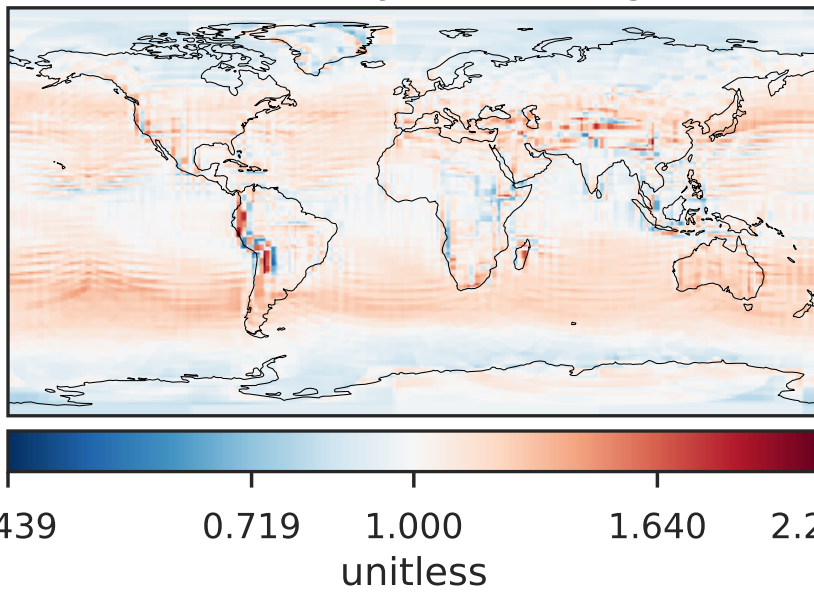
Difference (1x1.25)
Dev - Ref, Dynamic Range



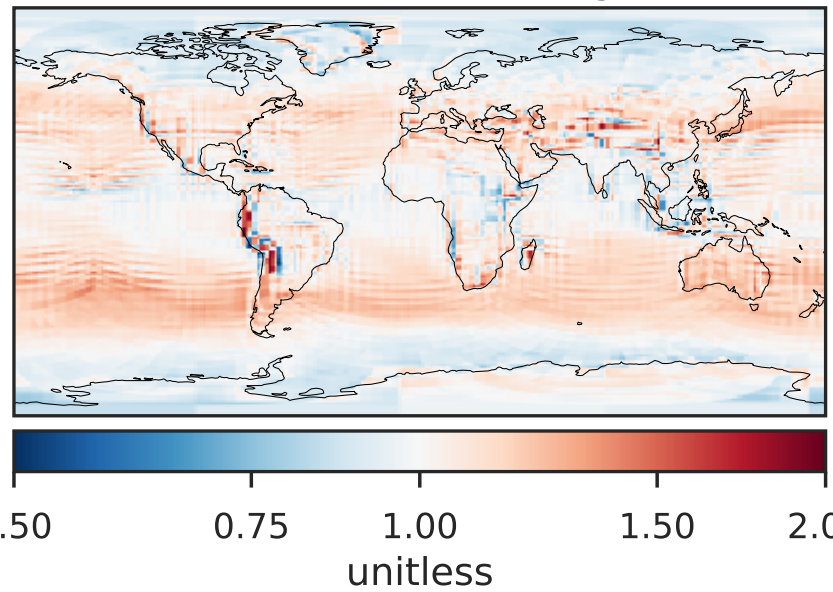
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

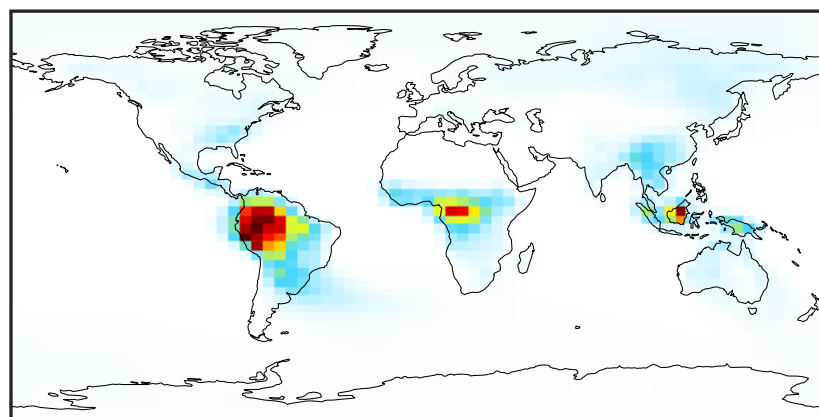


Ratio (1x1.25)
Dev/Ref, Fixed Range



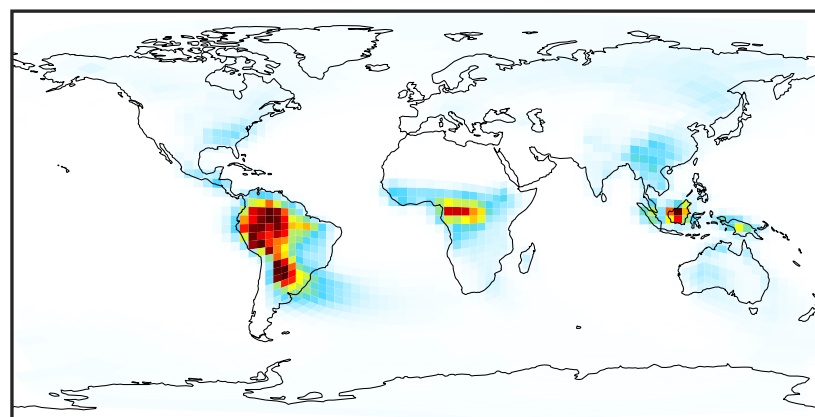
SpeciesConcVV_MPAN (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



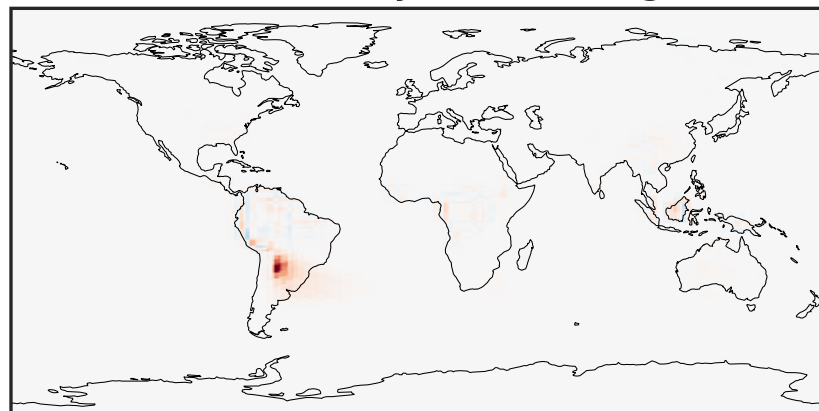
0.0004 0.0008 0.0012
ppb

GCHP_14.2.0 (Dev)
c24



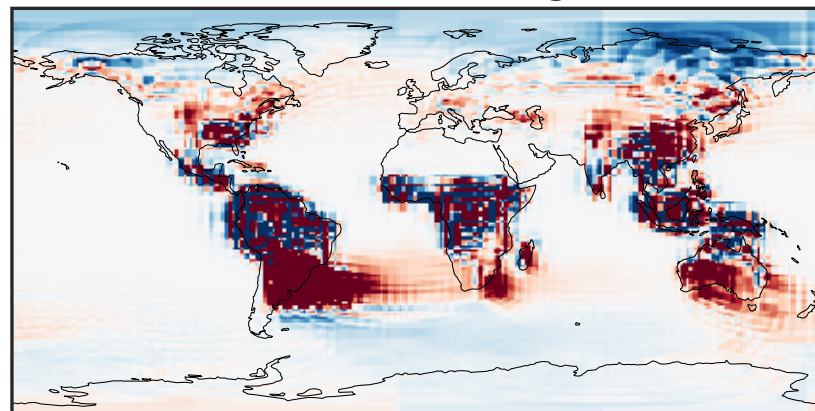
0.0004 0.0008 0.0012
ppb

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



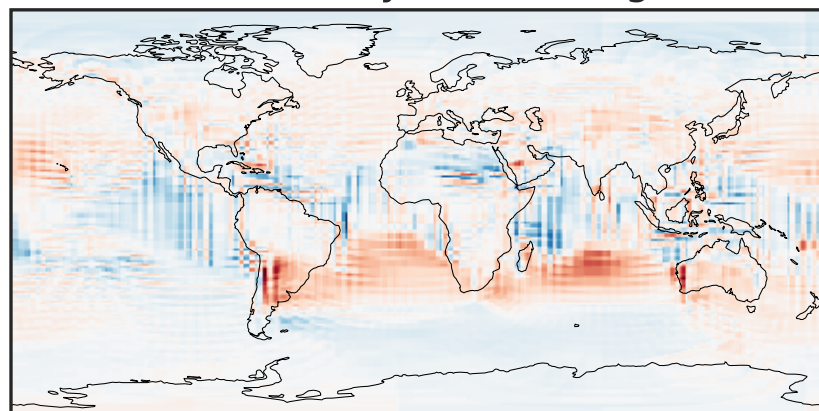
-0.0015 0.0000 0.0015
ppb

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



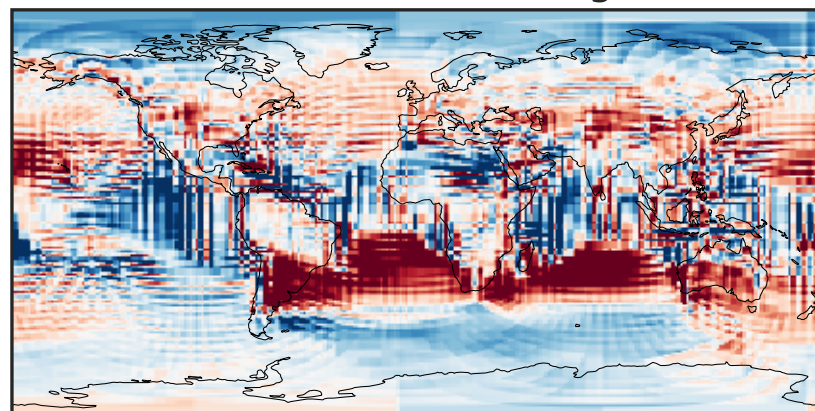
-1.5 0.0 1.5
ppb $1e-5$

Ratio (1x1.25)
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

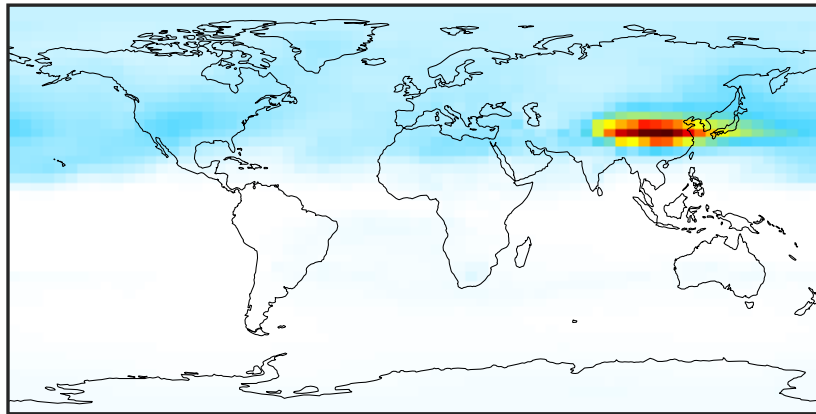
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

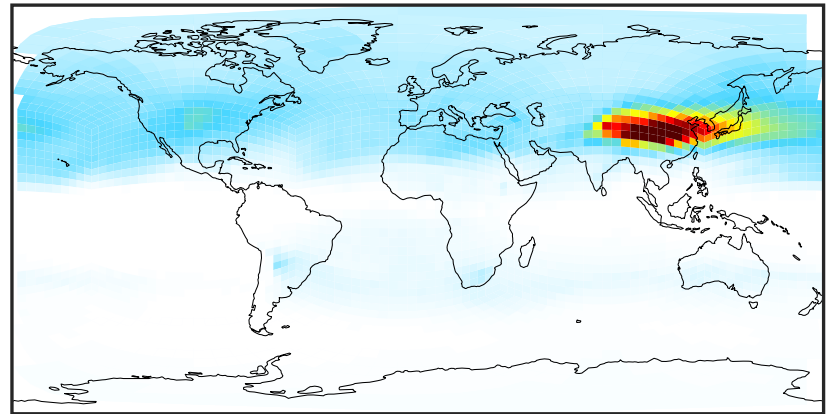
SpeciesConcVV_NIT (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



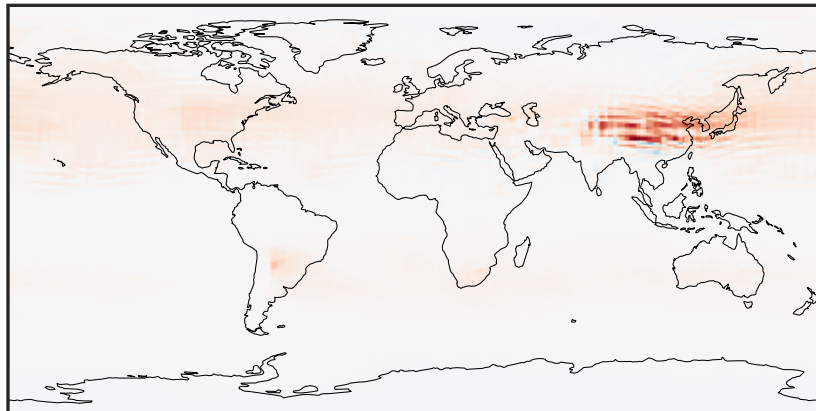
0.0000 0.0896 0.1792 0.2689 0.3585
ppb

GCHP_14.2.0 (Dev)
c24



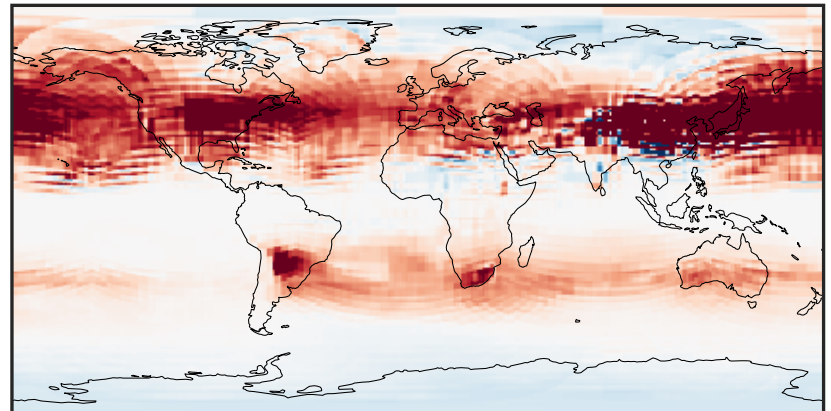
0.0000 0.0896 0.1792 0.2689 0.3585
ppb

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



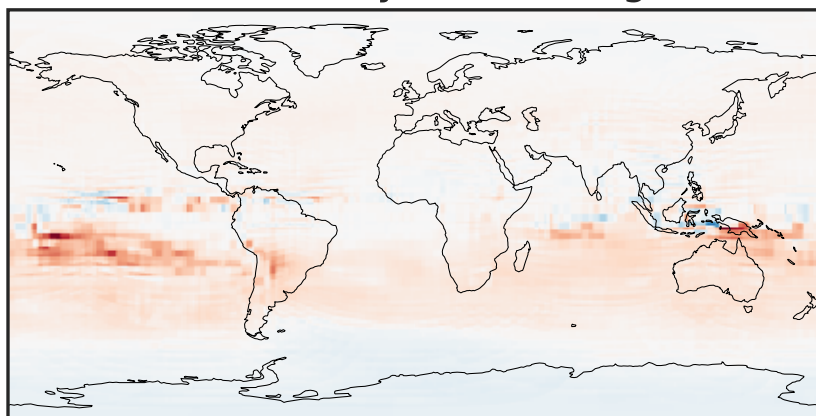
-0.1832 -0.0916 0.0000 0.0916 0.1832
ppb

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



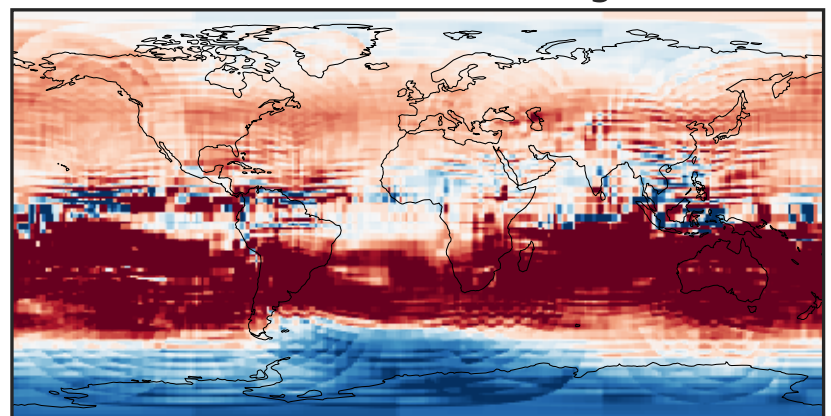
-0.01 0.00 0.01
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



unitless

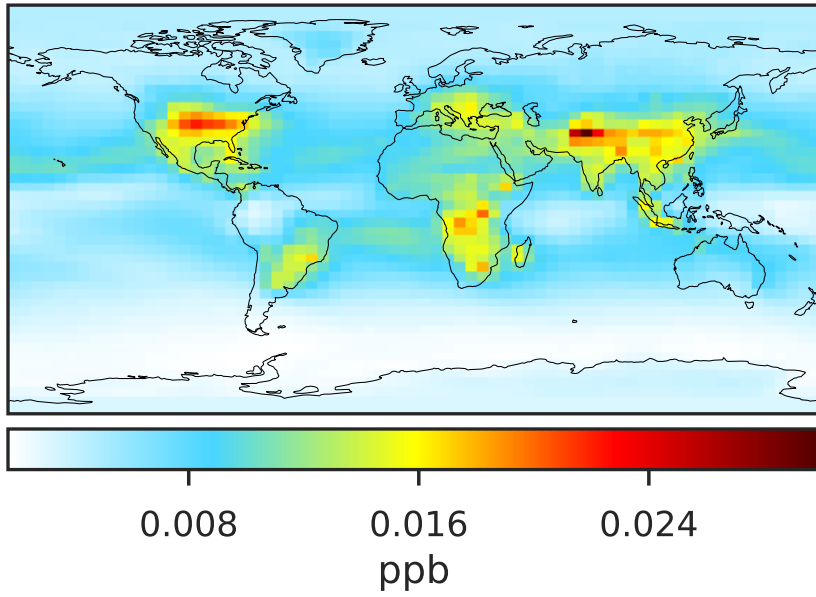
Ratio (1x1.25)
Dev/Ref, Fixed Range



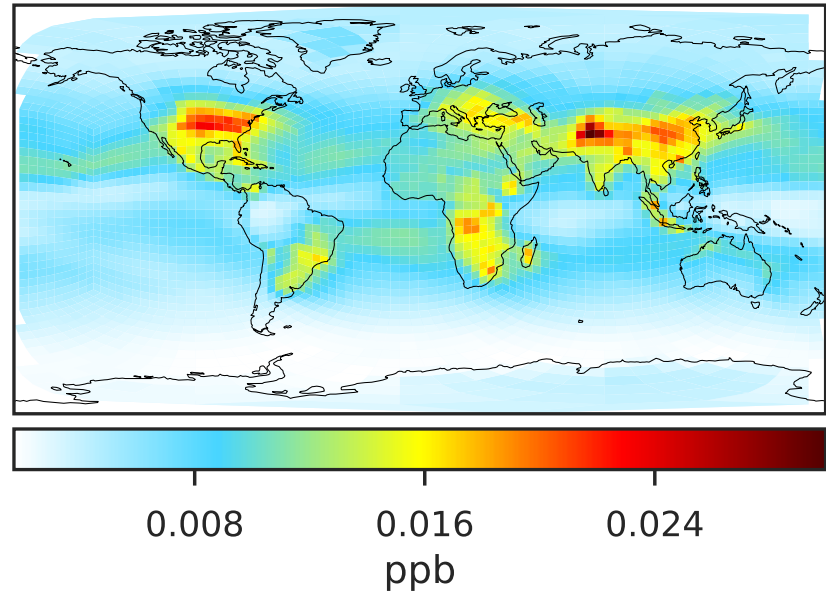
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NO (AnnualMean)

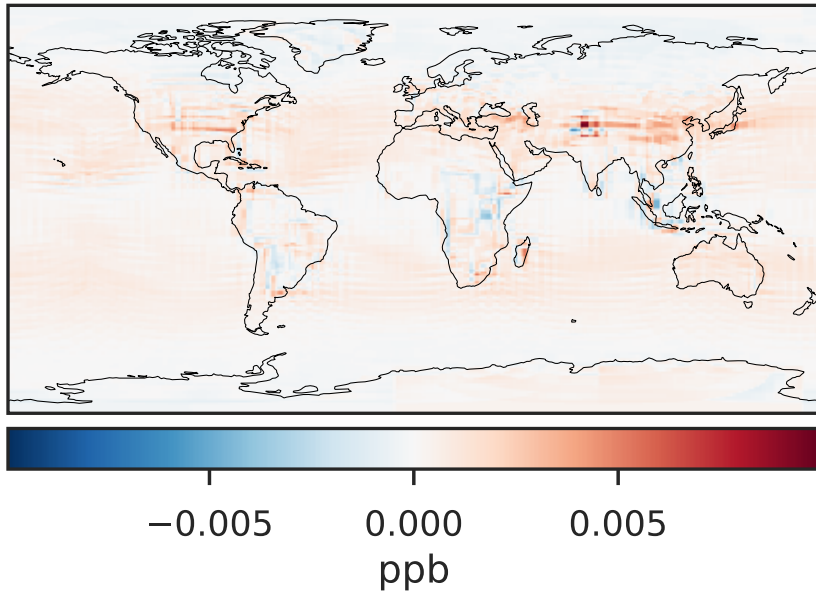
GCC_14.2.0 (Ref)
4.0x5.0



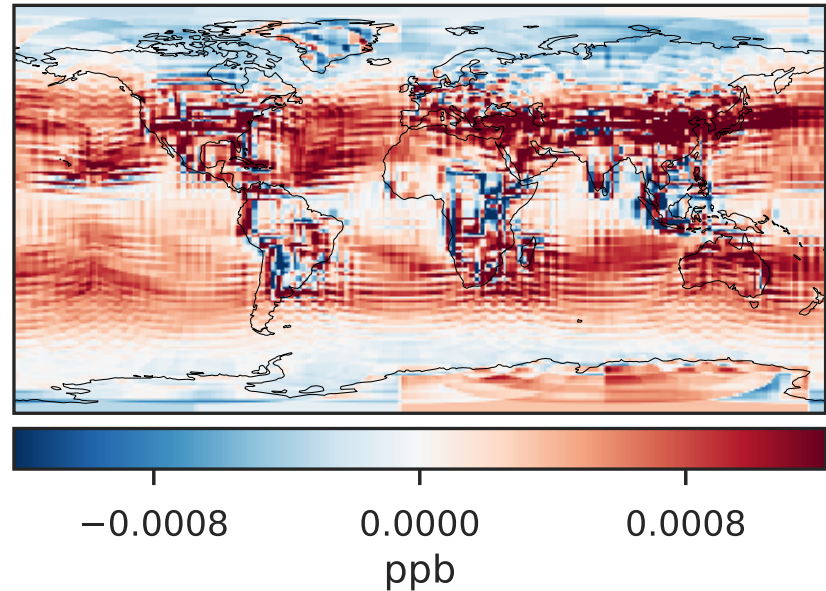
GCHP_14.2.0 (Dev)
c24



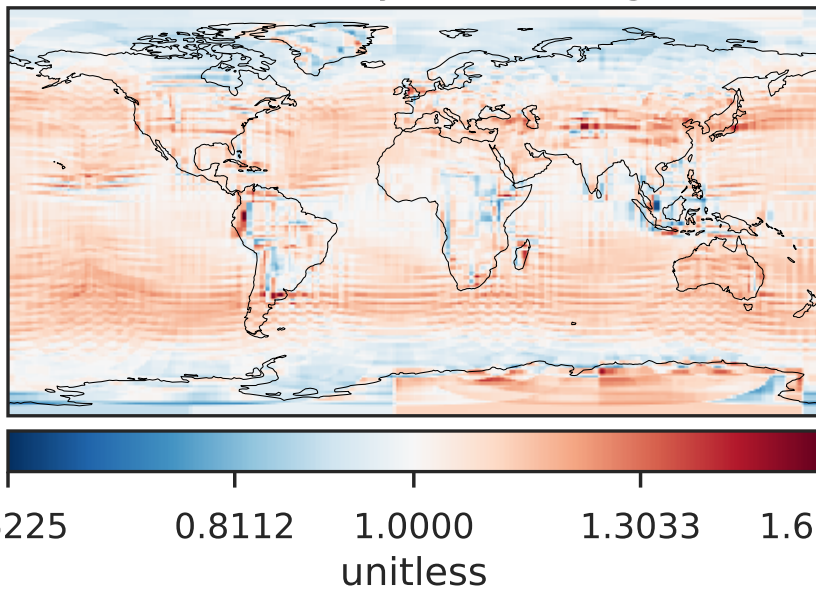
Difference (1x1.25)
Dev - Ref, Dynamic Range



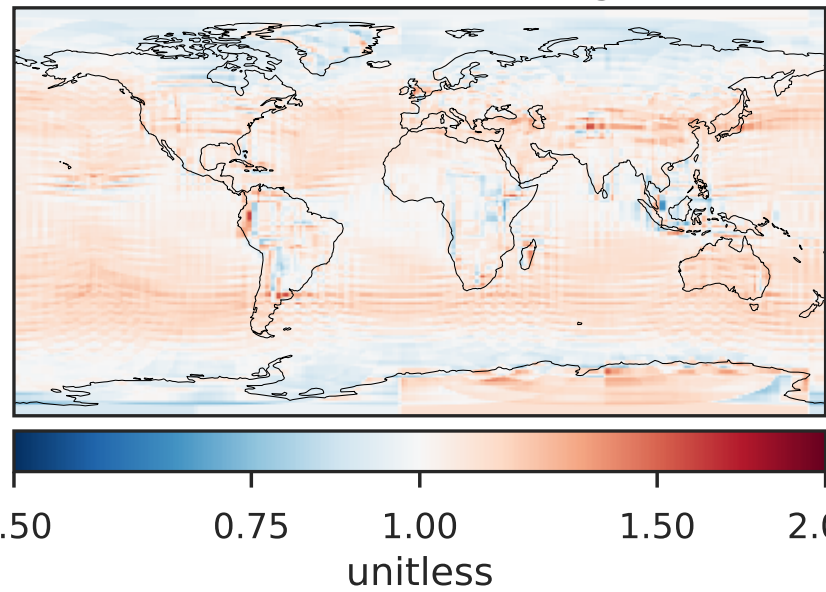
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

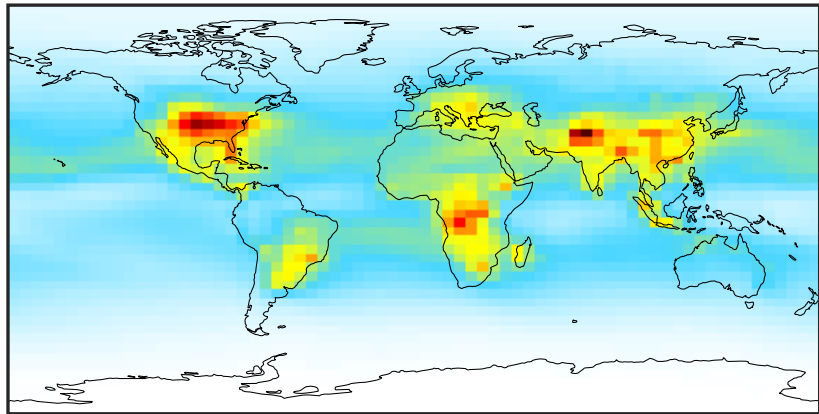


Ratio (1x1.25)
Dev/Ref, Fixed Range



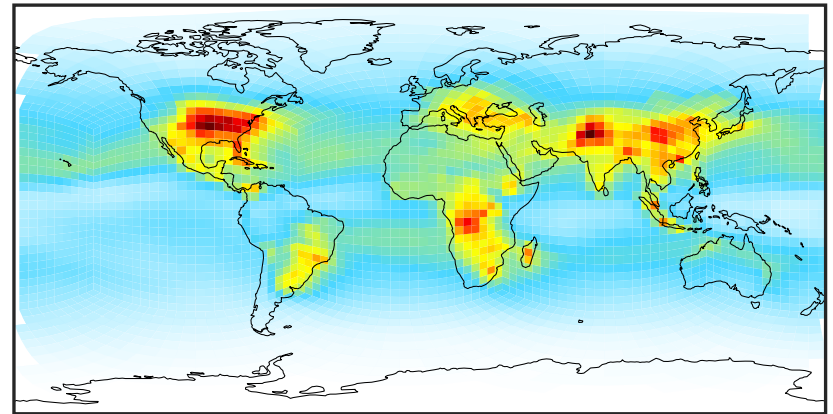
SpeciesConcVW_NO2 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



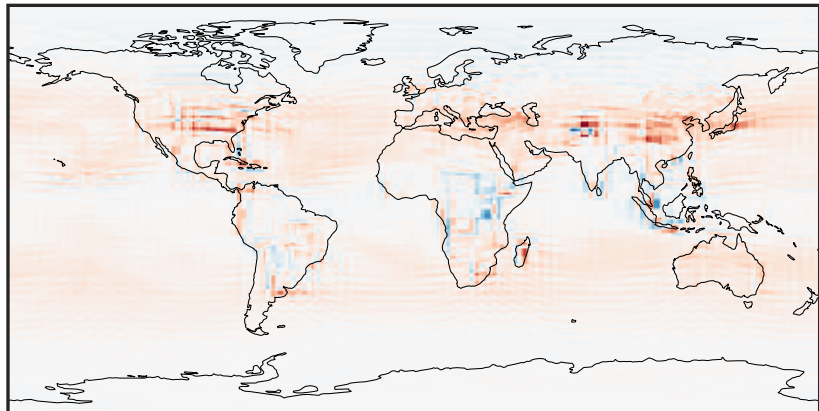
0.025 0.050 0.075 0.100
ppb

GCHP_14.2.0 (Dev)
c24



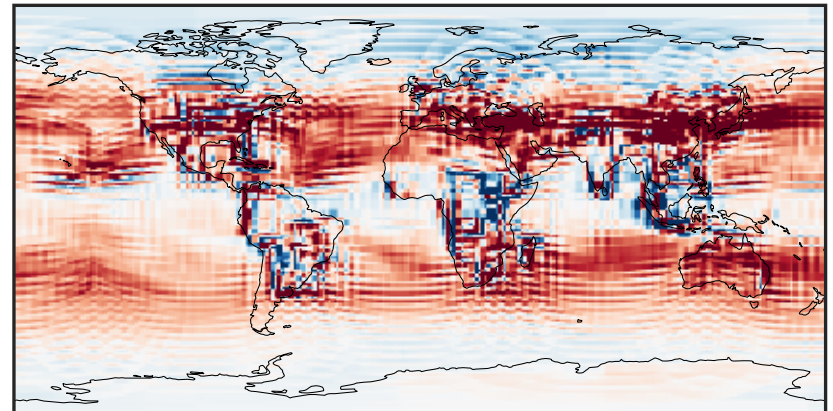
0.025 0.050 0.075 0.100
ppb

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



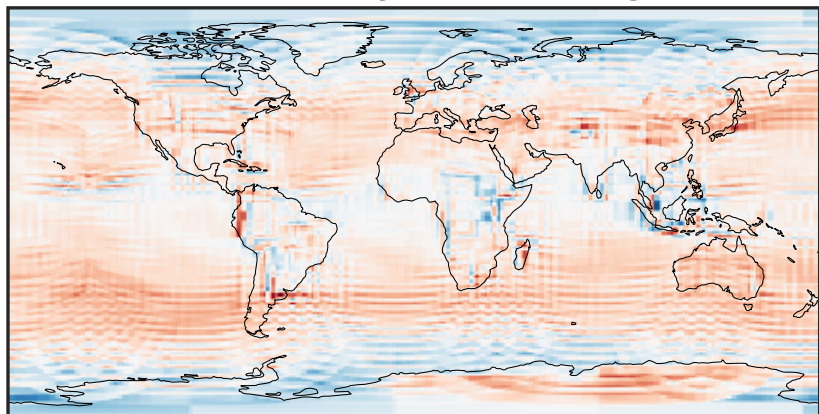
-0.015 0.000 0.015
ppb

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



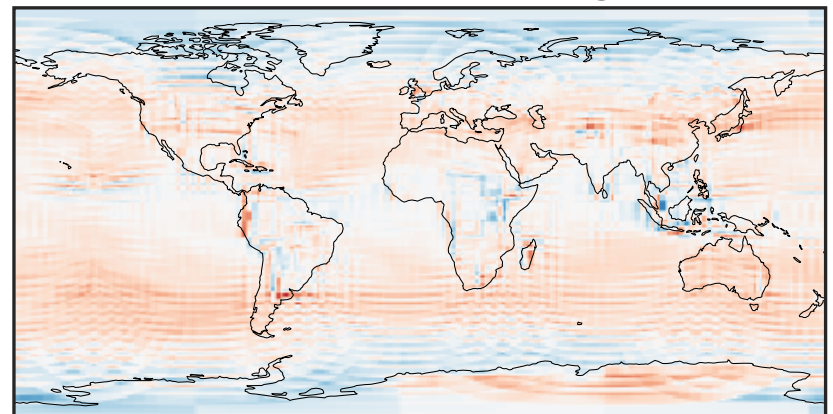
-0.0025 0.0000 0.0025
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.589 0.795 1.000 1.349 1.698
unitless

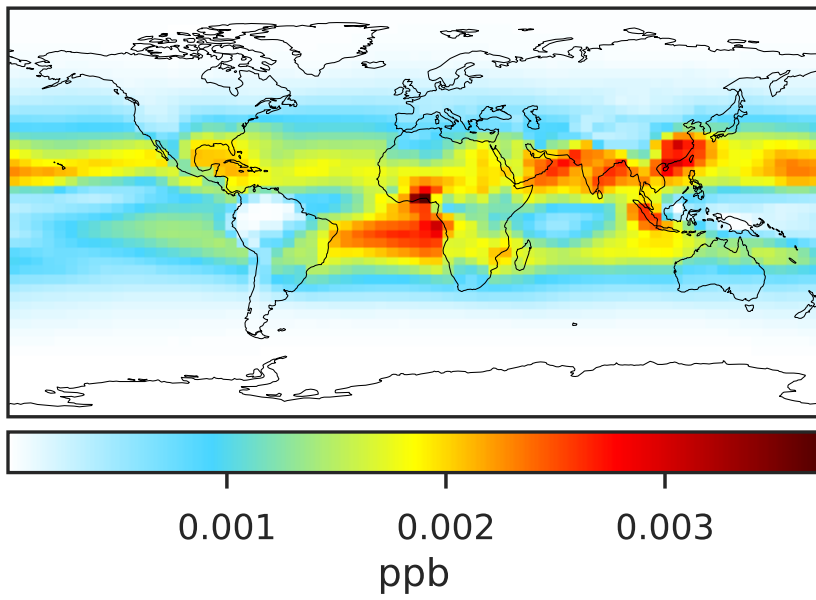
Ratio (1x1.25)
Dev/Ref, Fixed Range



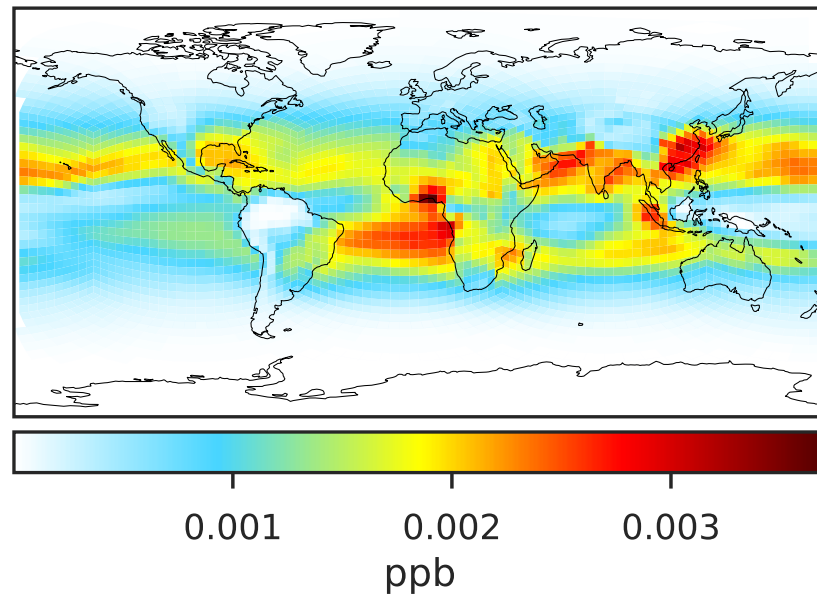
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVW_NO3 (AnnualMean)

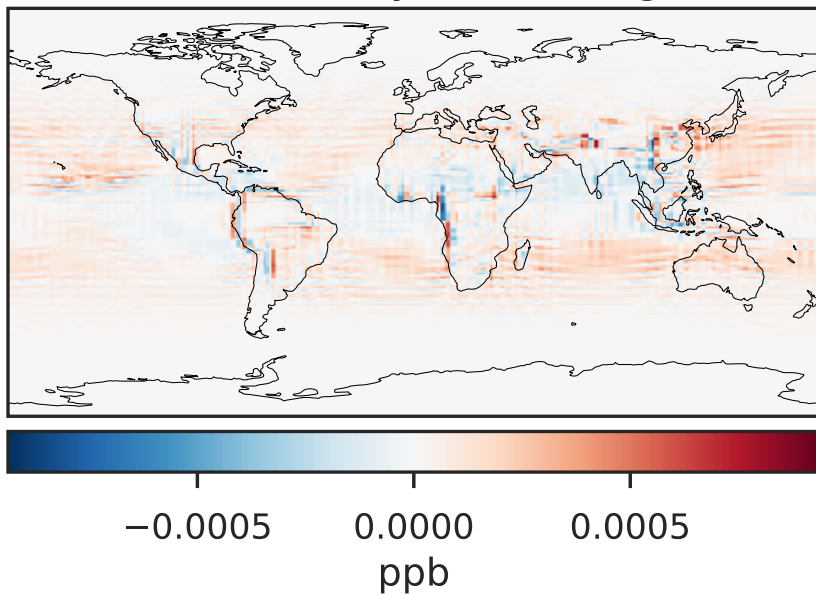
GCC_14.2.0 (Ref)
4.0x5.0



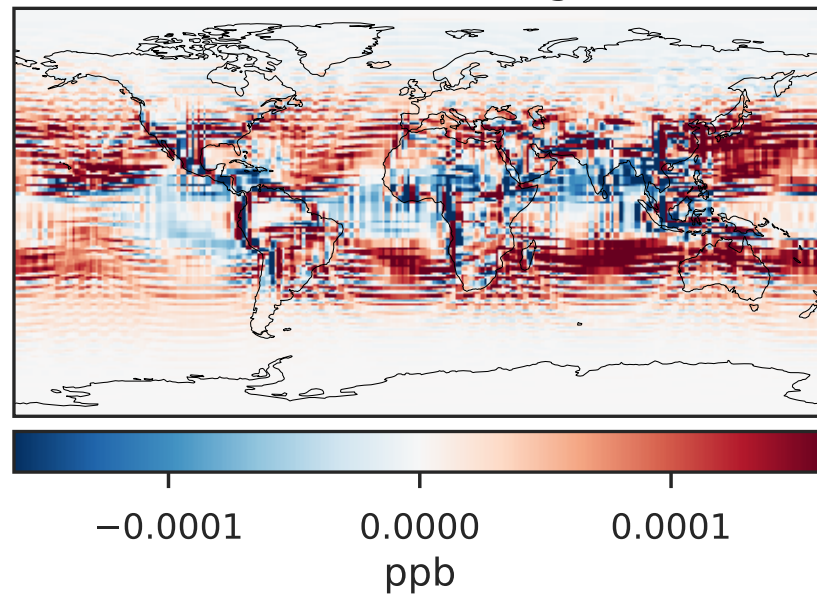
GCHP_14.2.0 (Dev)
c24



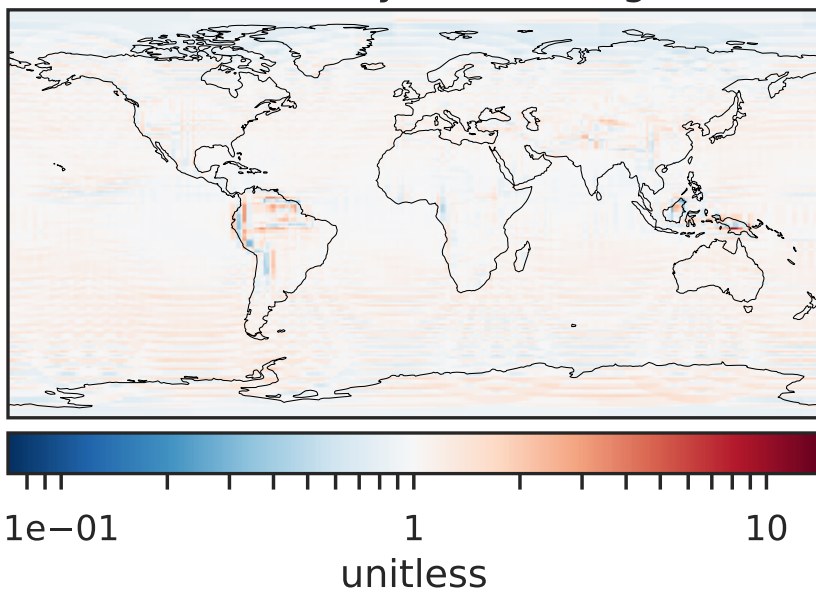
Difference (1x1.25)
Dev - Ref, Dynamic Range



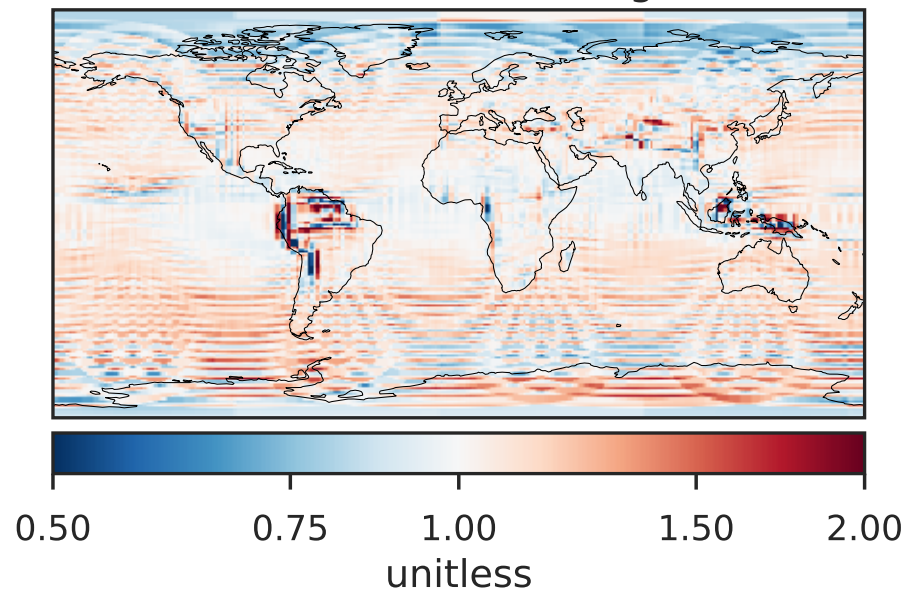
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

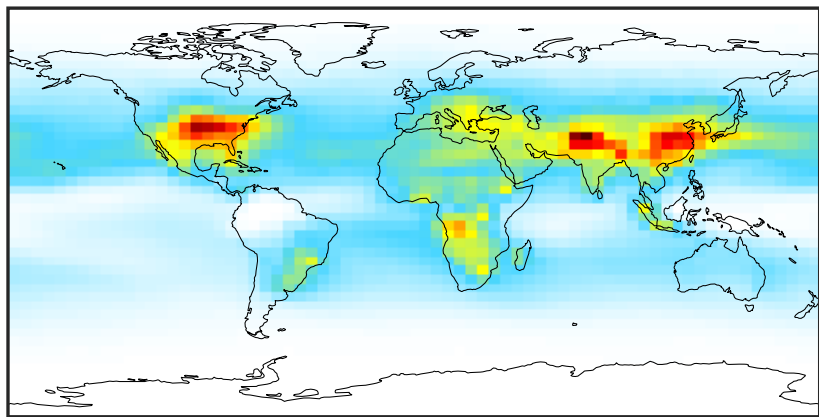


Ratio (1x1.25)
Dev/Ref, Fixed Range



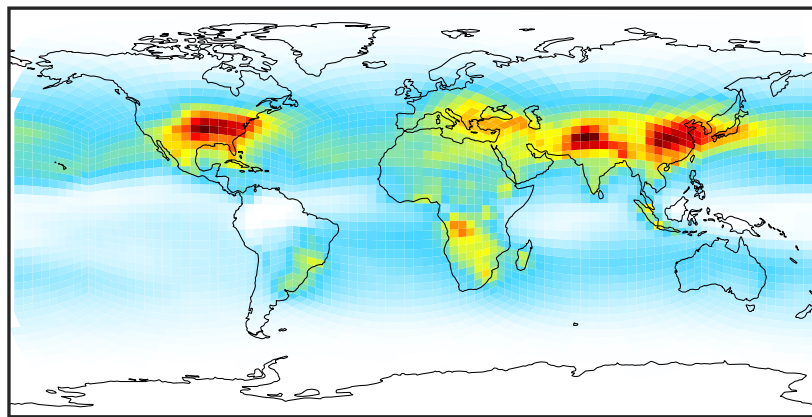
SpeciesConcVV_N2O5 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



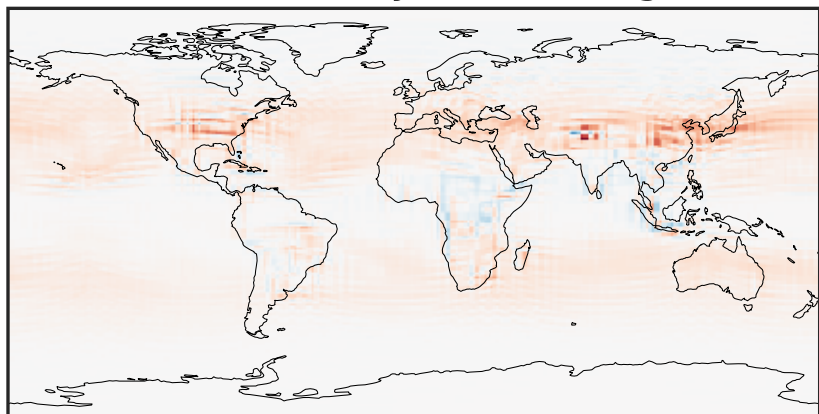
0.0025 0.0050 0.0075
ppb

GCHP_14.2.0 (Dev)
c24



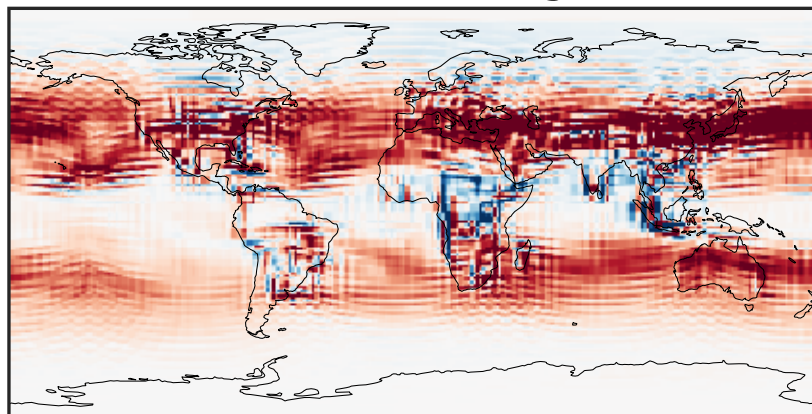
0.0025 0.0050 0.0075
ppb

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



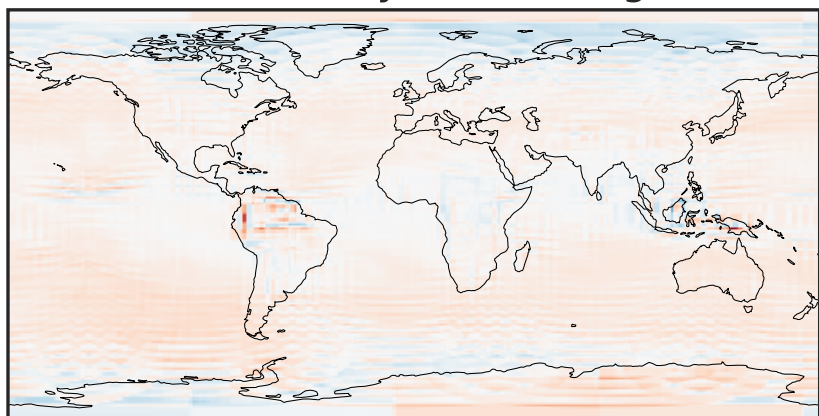
-0.002 0.000 0.002
ppb

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



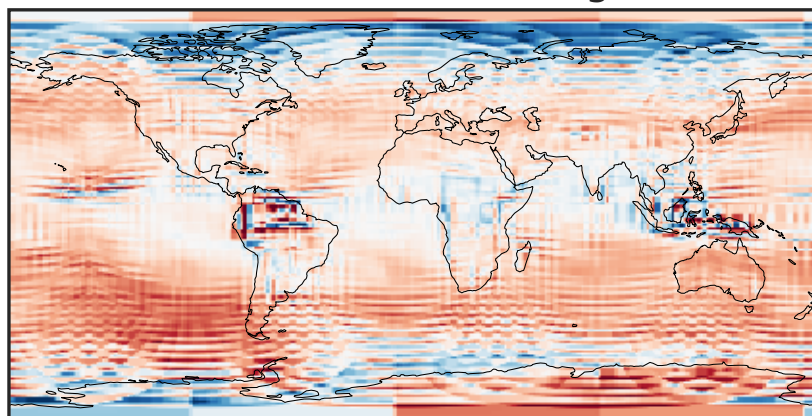
-0.0003 0.0000 0.0003
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

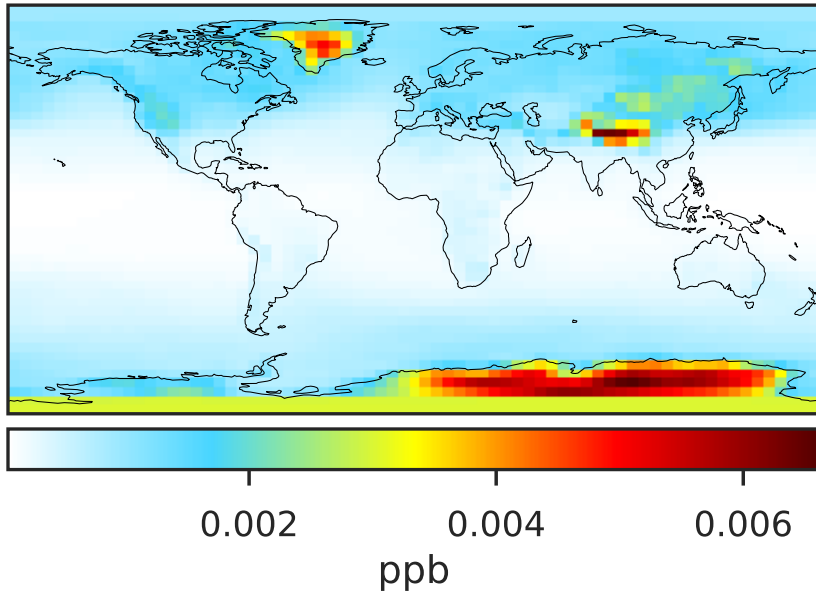
Ratio (1x1.25)
Dev/Ref, Fixed Range



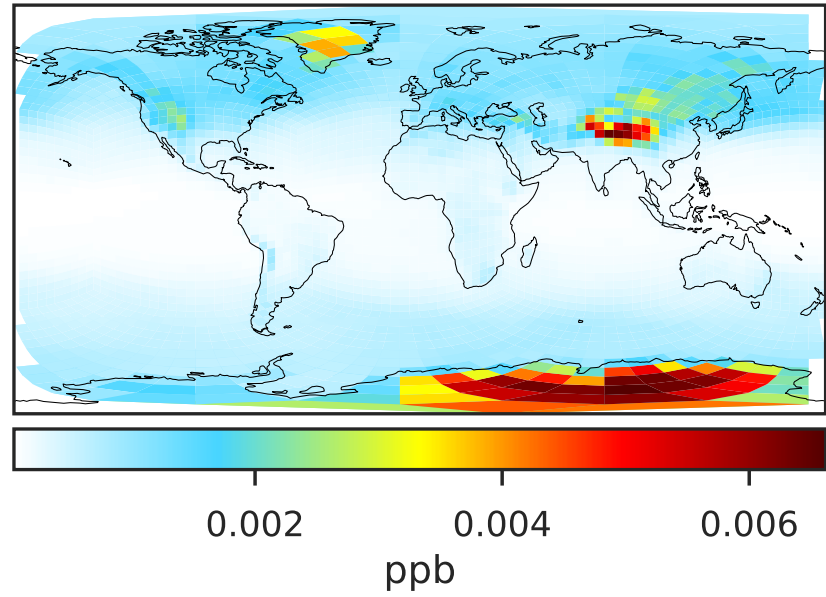
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_MPN (AnnualMean)

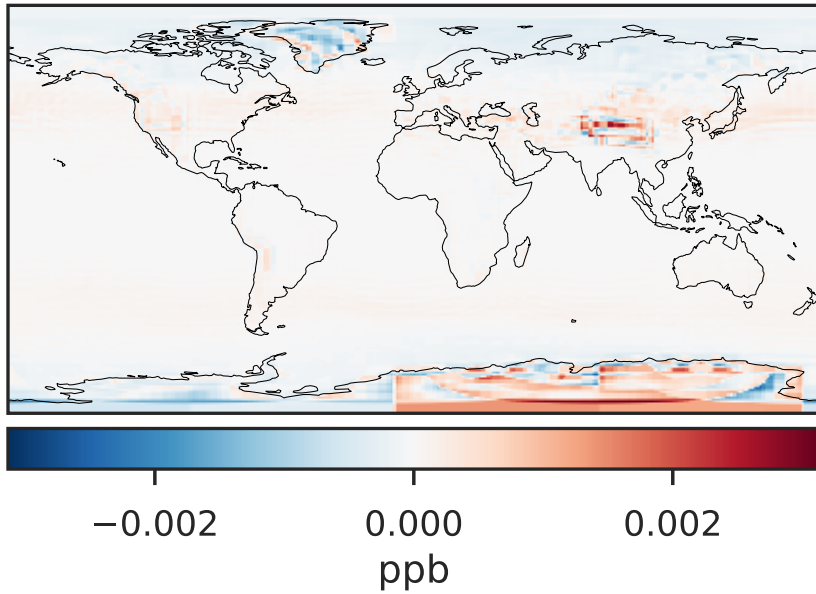
GCC_14.2.0 (Ref)
4.0x5.0



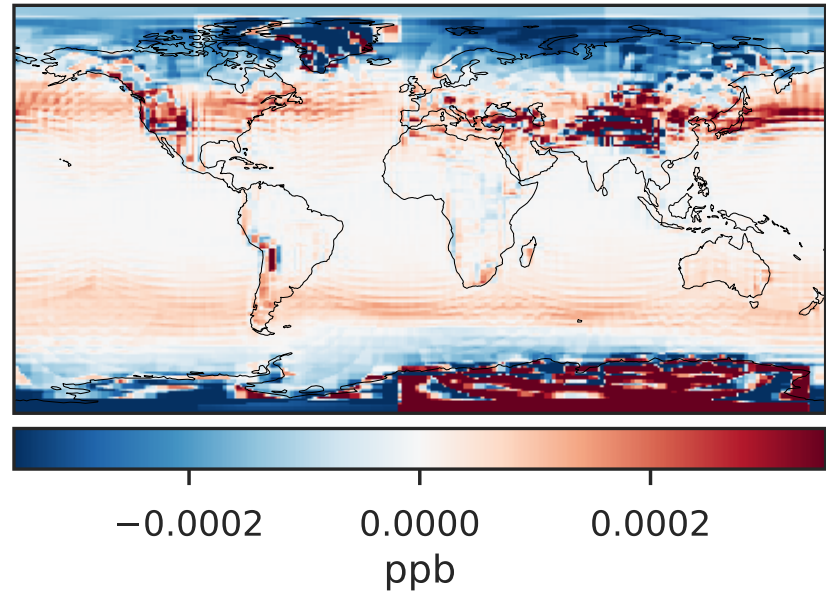
GCHP_14.2.0 (Dev)
c24



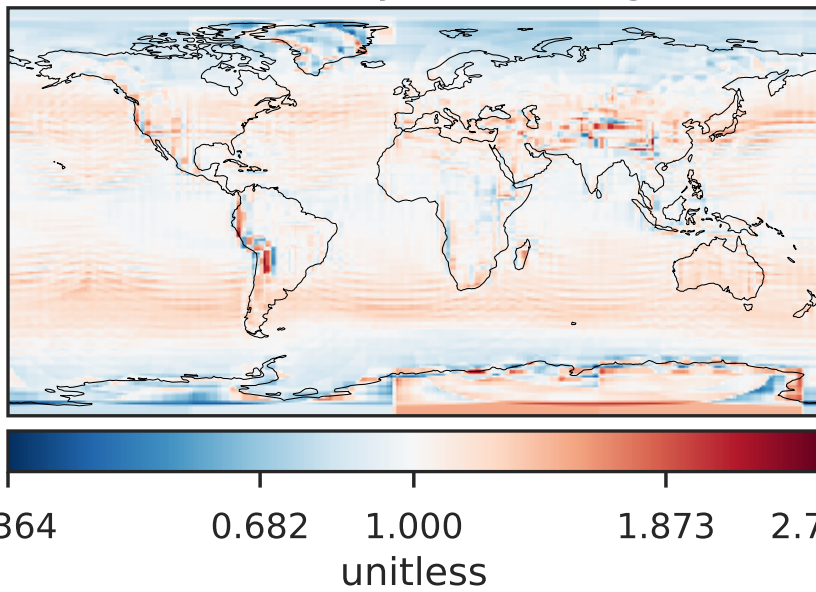
Difference (1x1.25)
Dev - Ref, Dynamic Range



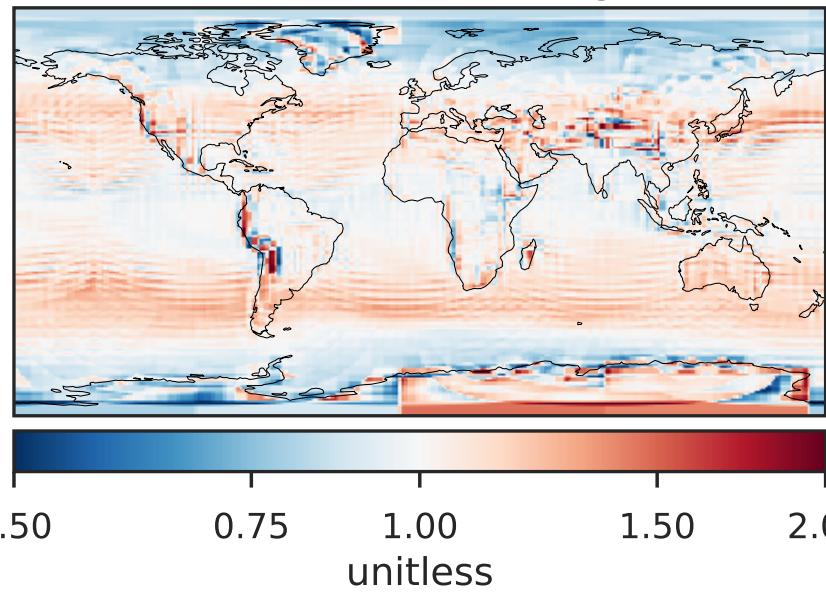
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

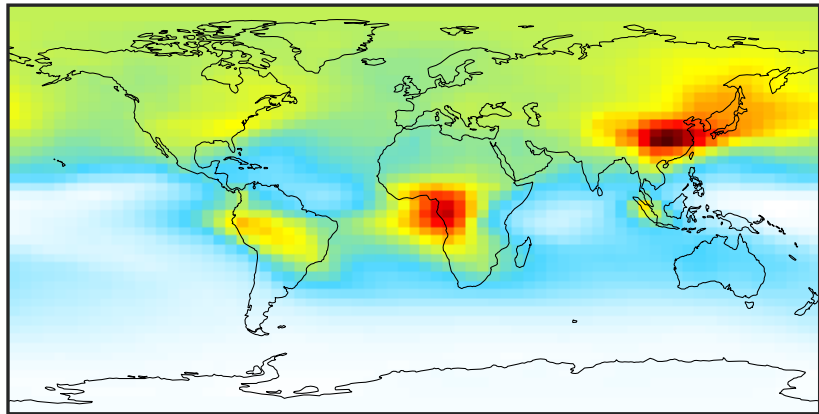


Ratio (1x1.25)
Dev/Ref, Fixed Range



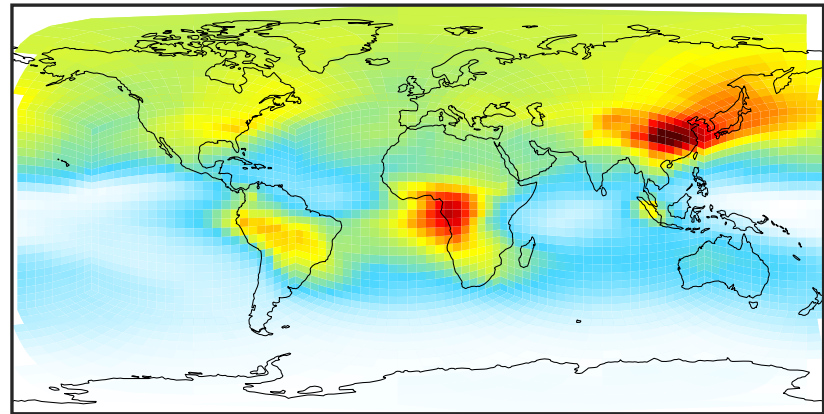
SpeciesConcVV_PAN (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



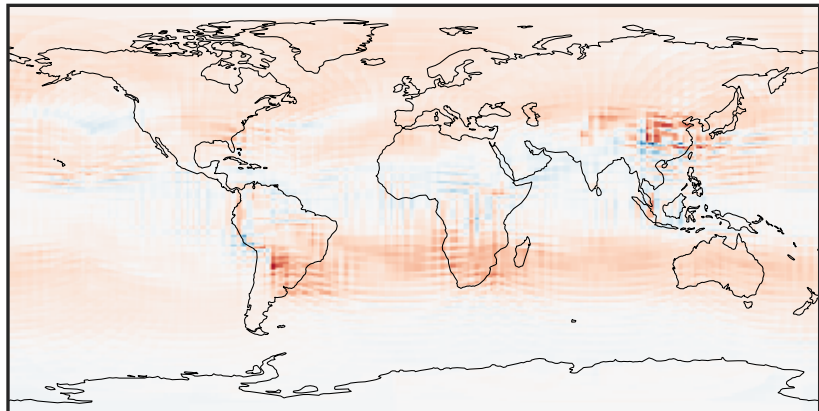
0.0194 0.0980 0.1961 0.2941 0.4116
ppb

GCHP_14.2.0 (Dev)
c24



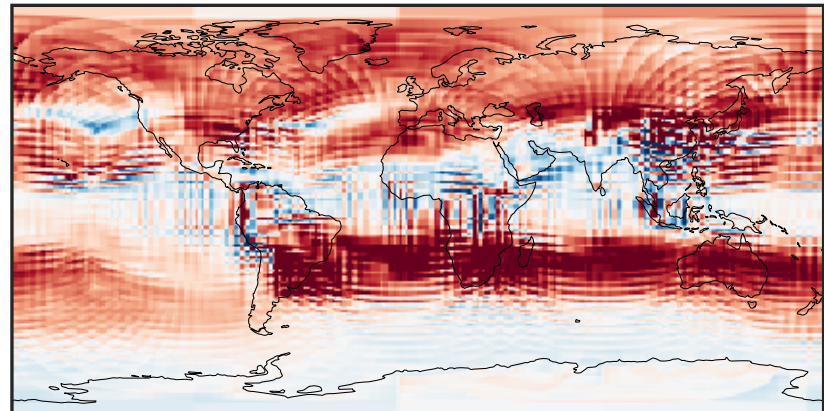
0.0194 0.0980 0.1961 0.2941 0.4116
ppb

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



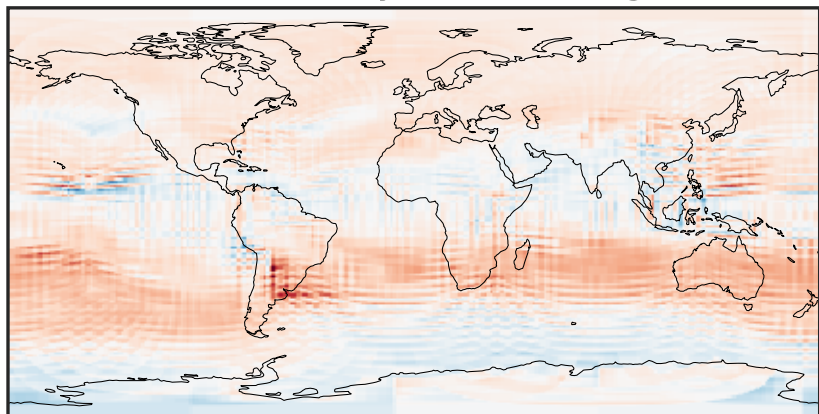
-0.0849 -0.0424 0.0000 0.0424 0.0849
ppb

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



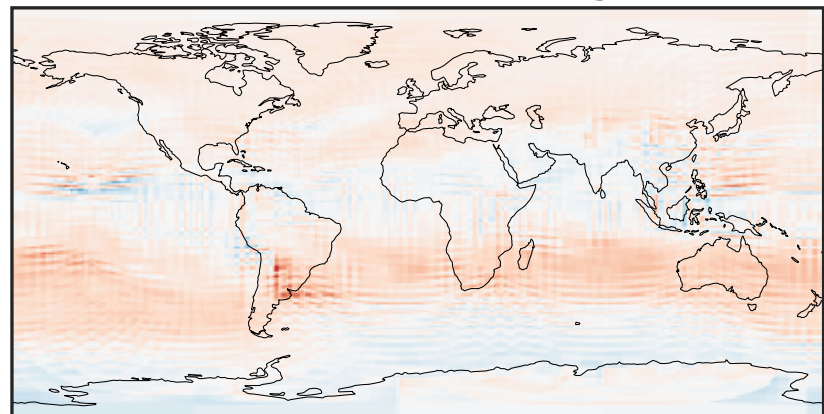
-0.01 0.00 0.01
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.603 0.801 1.000 1.330 1.659
unitless

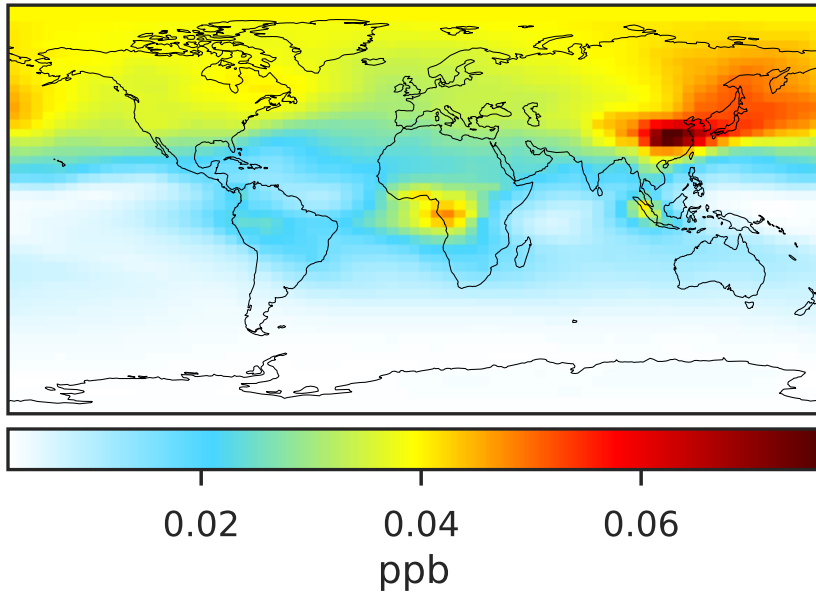
Ratio (1x1.25)
Dev/Ref, Fixed Range



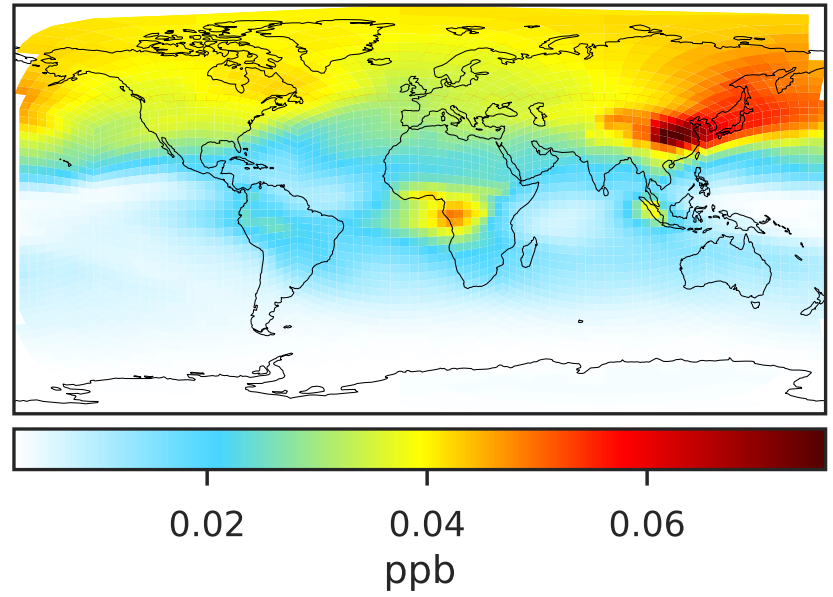
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_PPN (AnnualMean)

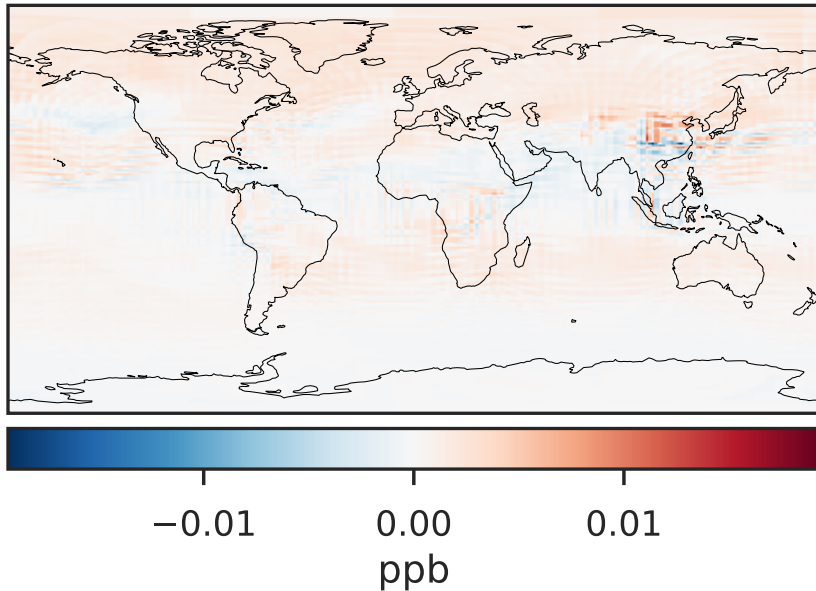
GCC_14.2.0 (Ref)
4.0x5.0



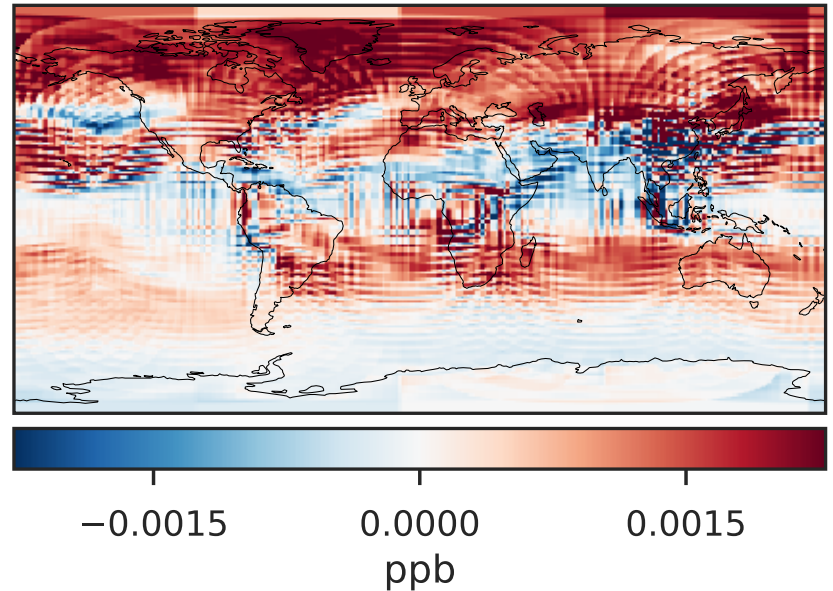
GCHP_14.2.0 (Dev)
c24



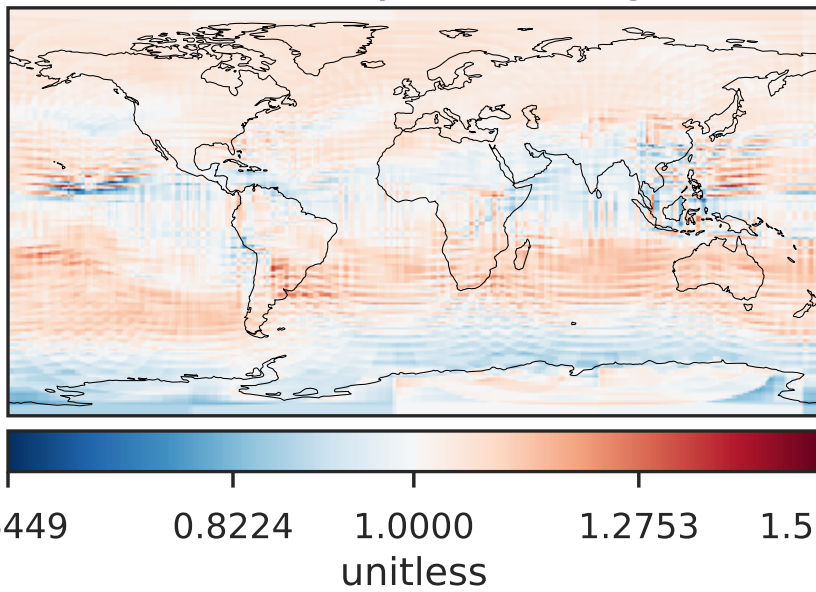
Difference (1x1.25)
Dev - Ref, Dynamic Range



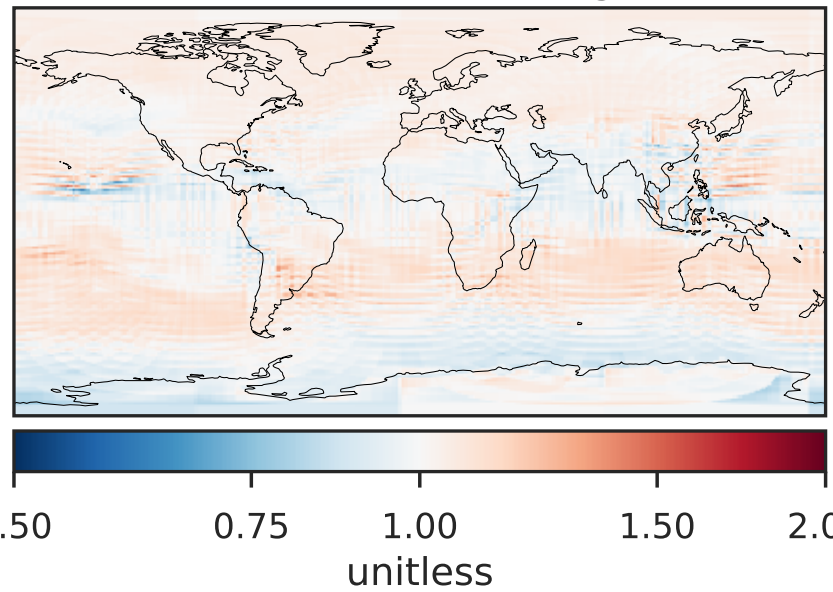
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

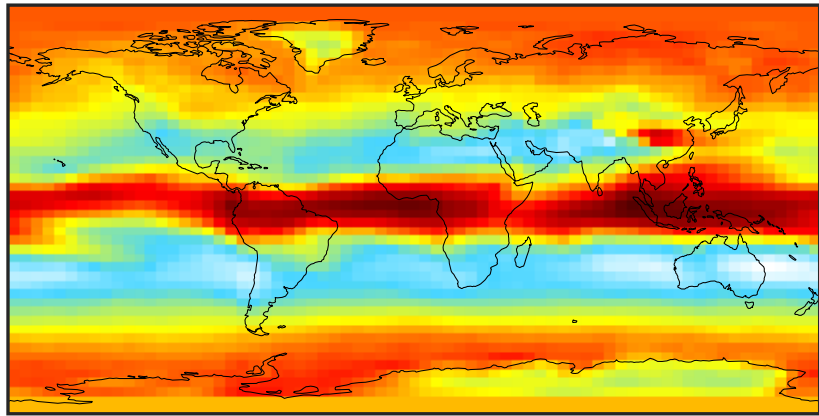


Ratio (1x1.25)
Dev/Ref, Fixed Range



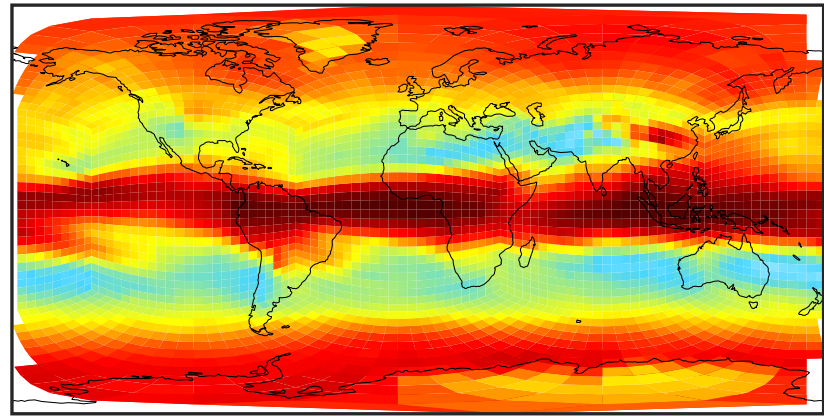
SpeciesConcVW_N2O (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



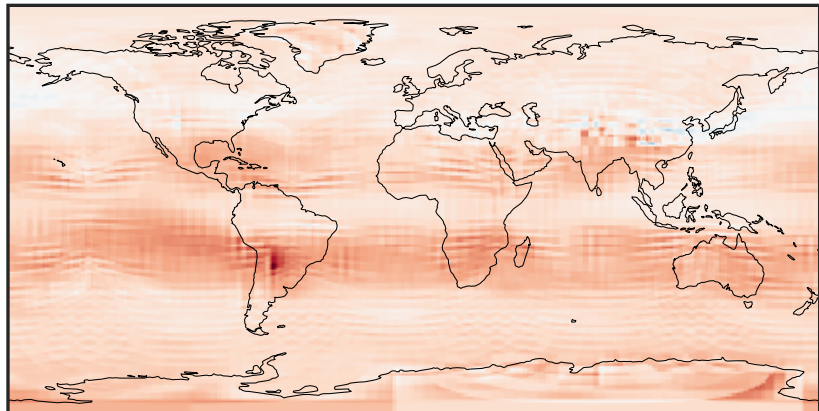
0.0 320.0
ppb

GCHP_14.2.0 (Dev)
c24



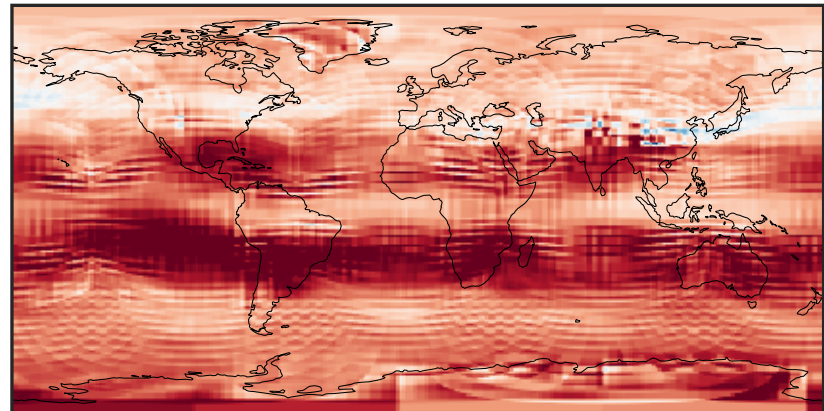
0.0 320.0
ppb

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



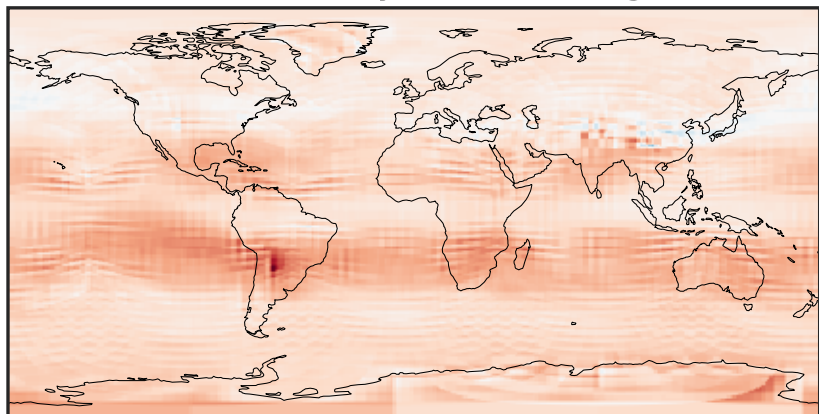
-0.2994 -0.1497 0.0000 0.1497 0.2994
ppb

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



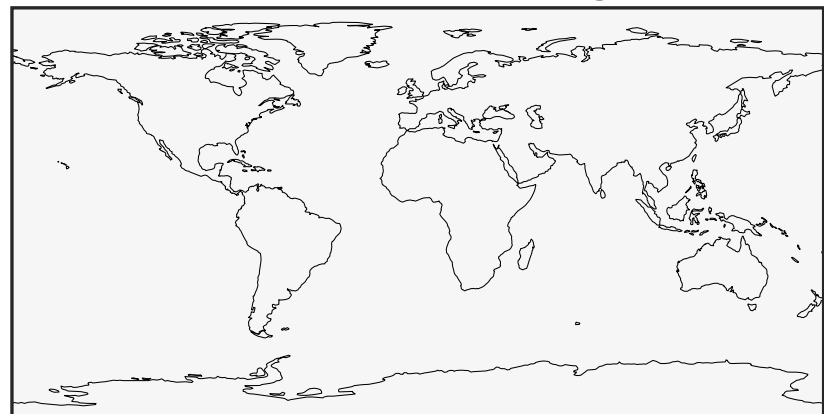
-0.1137 -0.0569 0.0000 0.0569 0.1137
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.999093 1.000000 1.000908
unitless

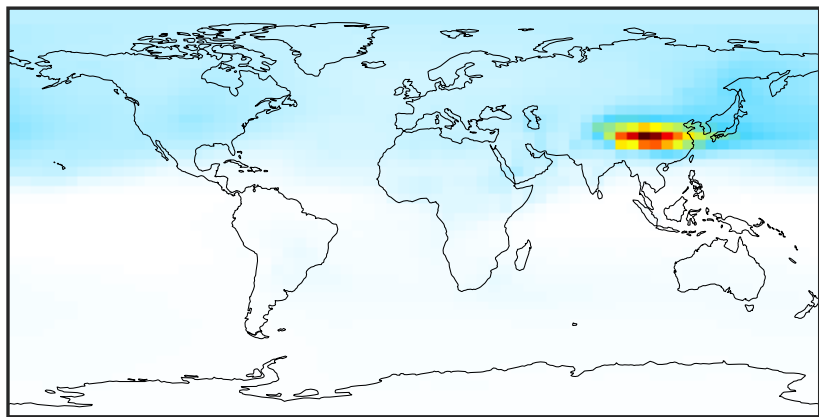
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

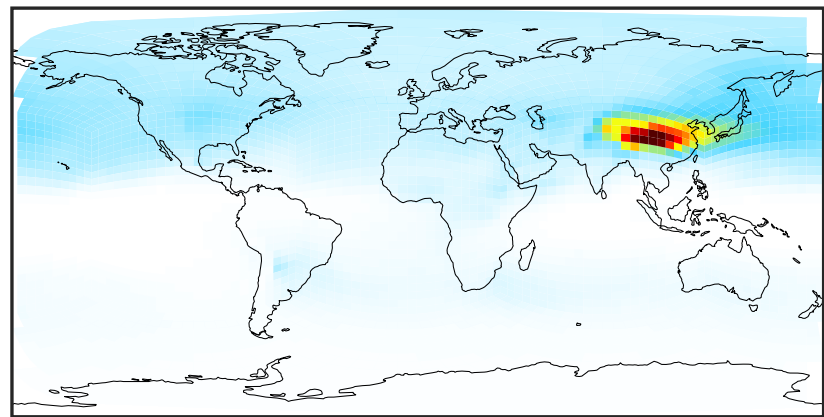
SpeciesConcVV_NHx (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



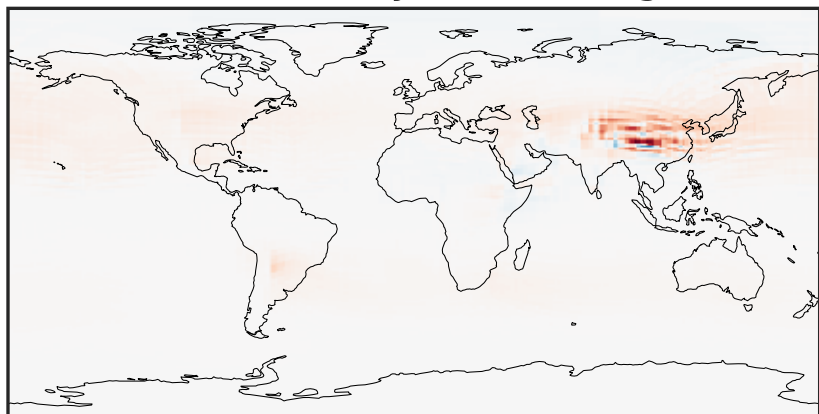
0.001 0.382 0.764 1.146 1.529
ppb

GCHP_14.2.0 (Dev)
c24



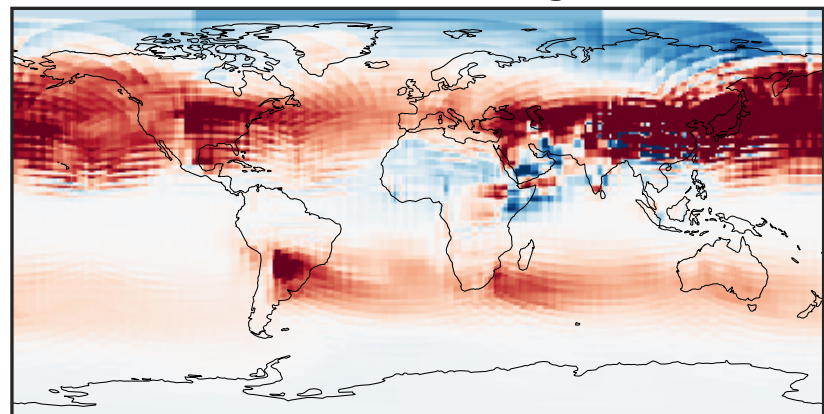
0.001 0.382 0.764 1.146 1.529
ppb

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



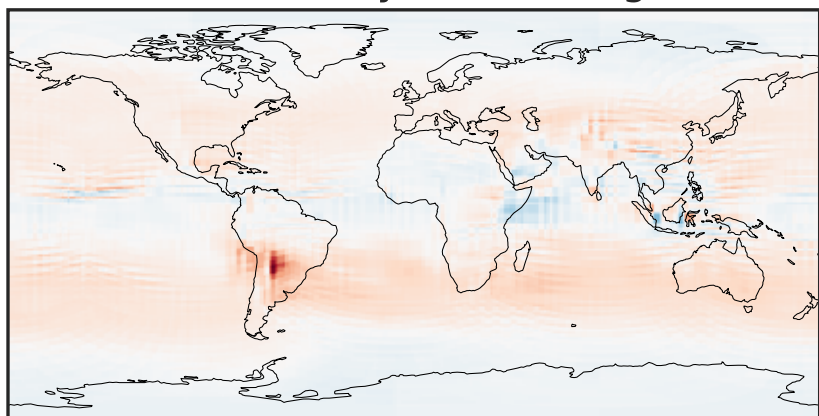
-0.698 -0.349 0.000 0.349 0.698
ppb

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



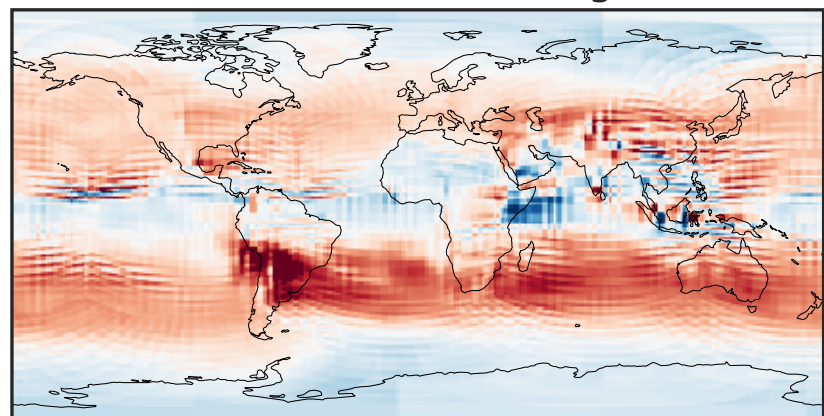
-0.025 0.000 0.025
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

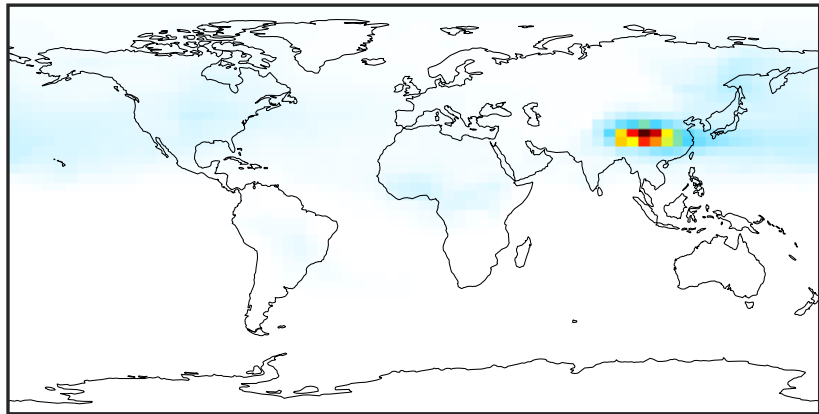
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

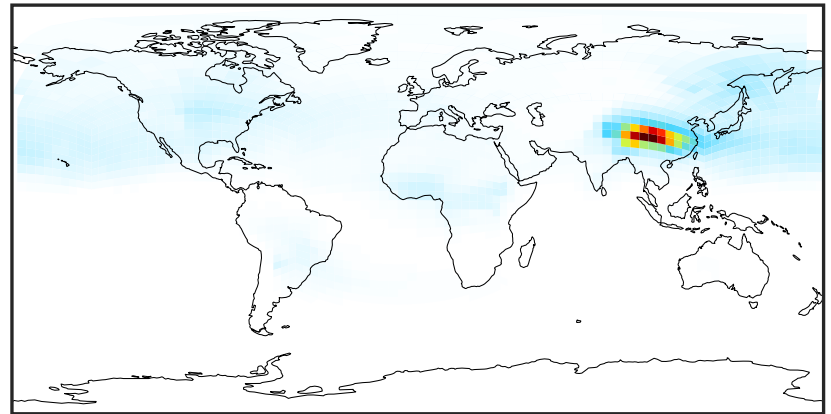
SpeciesConcVV_NH3 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



0.0000 0.2081 0.4162 0.6242 0.8323
ppb

GCHP_14.2.0 (Dev)
c24



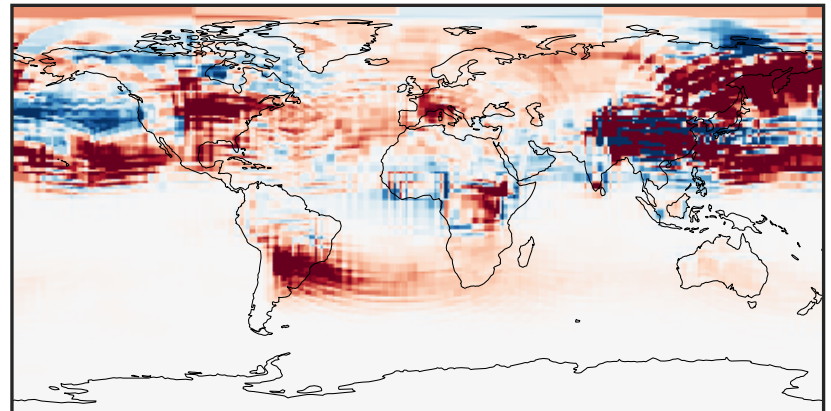
0.0000 0.2081 0.4162 0.6242 0.8323
ppb

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



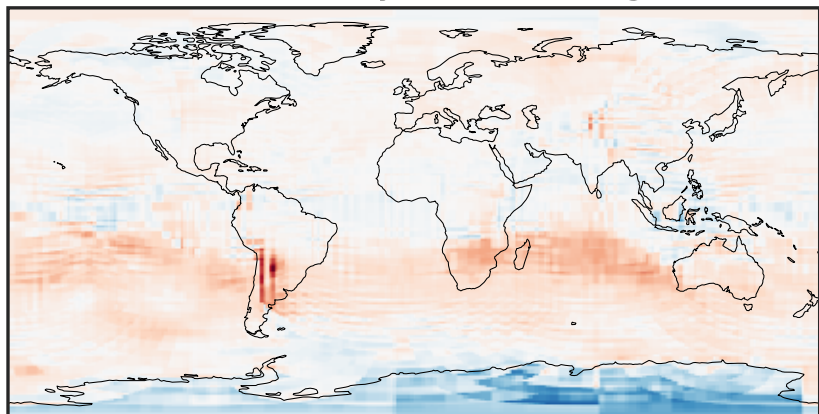
-0.3906 -0.1953 0.0000 0.1953 0.3906
ppb

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



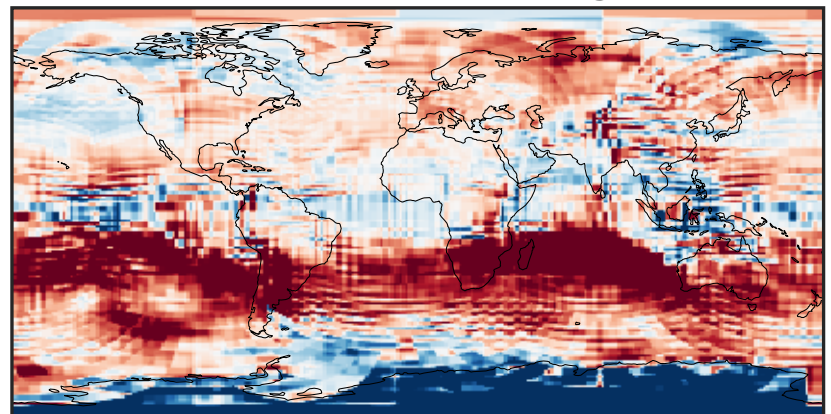
-0.004 0.000 0.004
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

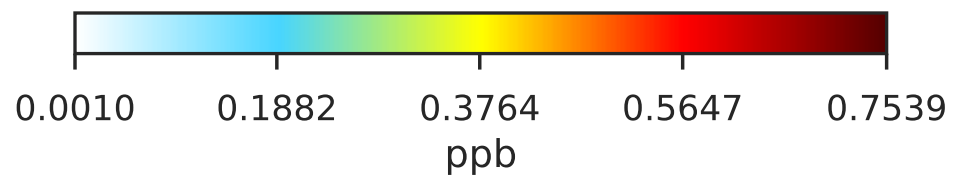
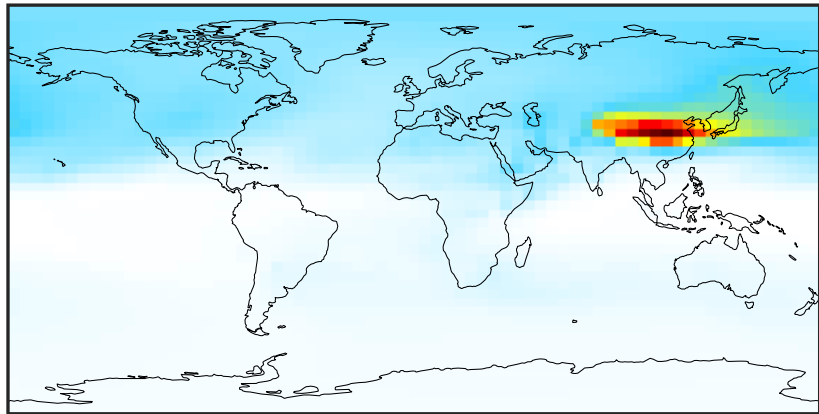
Ratio (1x1.25)
Dev/Ref, Fixed Range



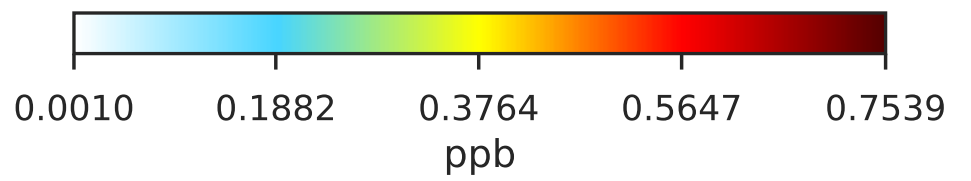
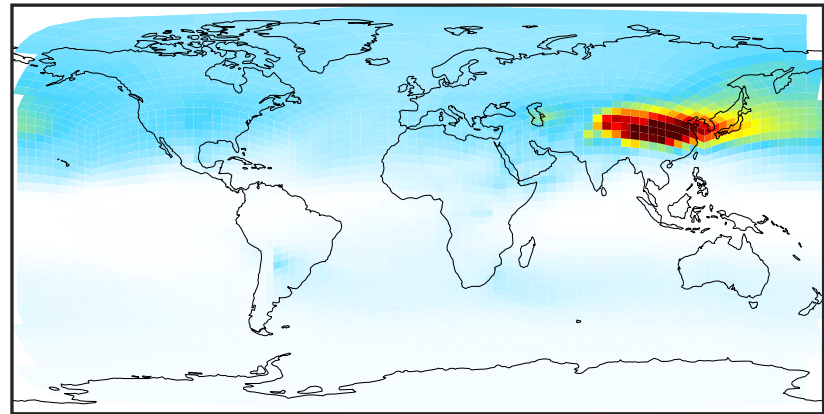
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NH4 (AnnualMean)

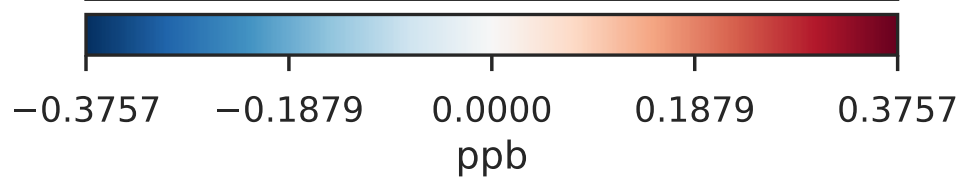
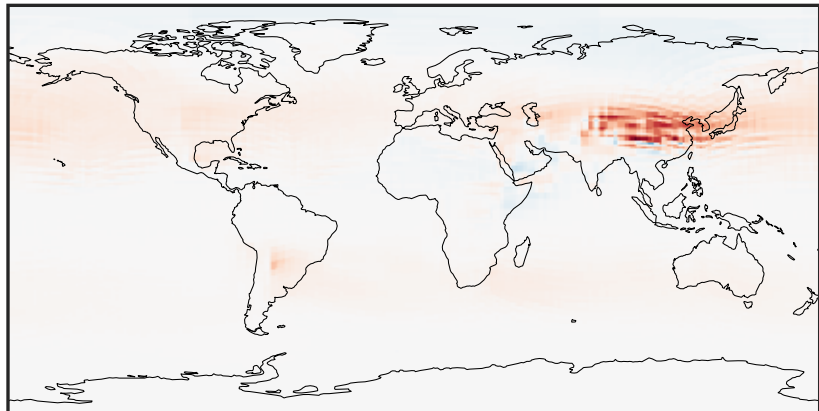
GCC_14.2.0 (Ref)
4.0x5.0



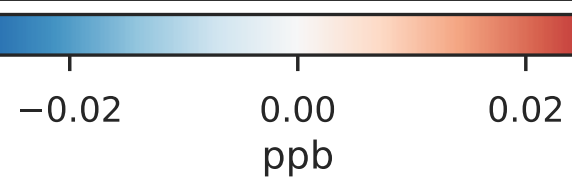
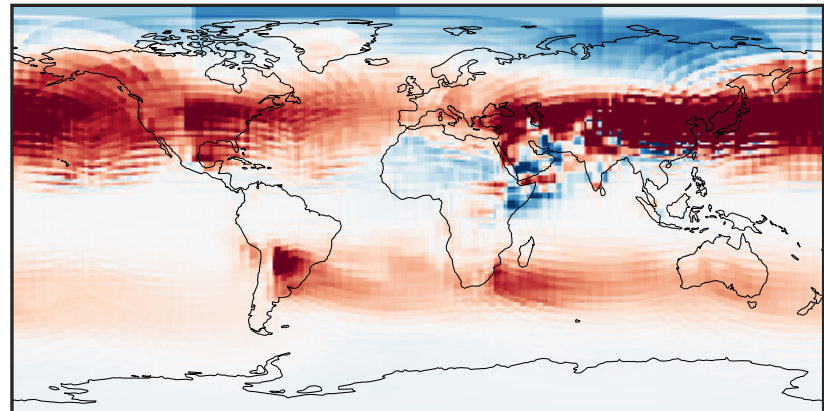
GCHP_14.2.0 (Dev)
c24



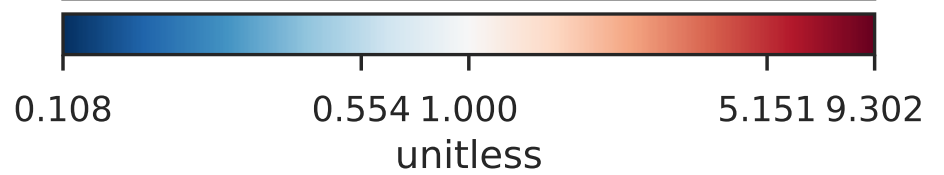
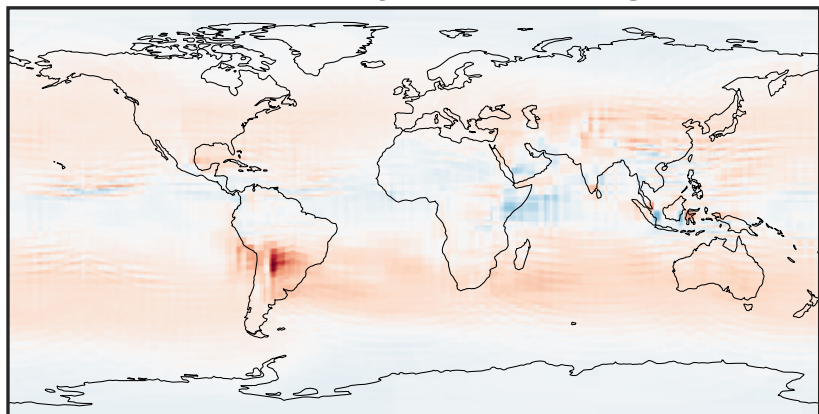
Difference (1x1.25)
Dev - Ref, Dynamic Range



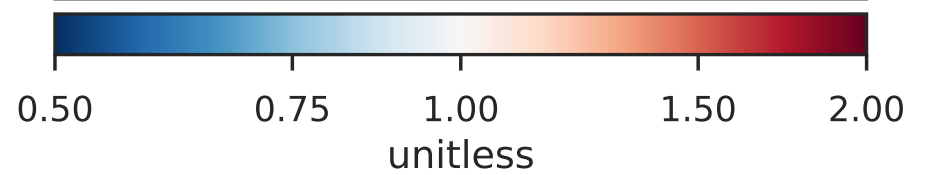
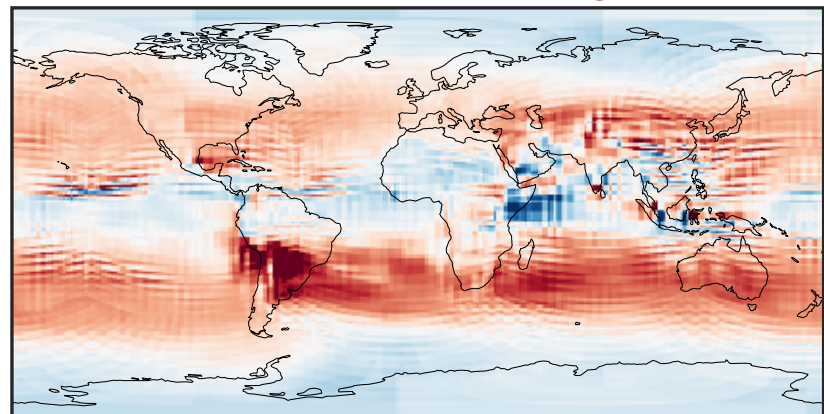
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

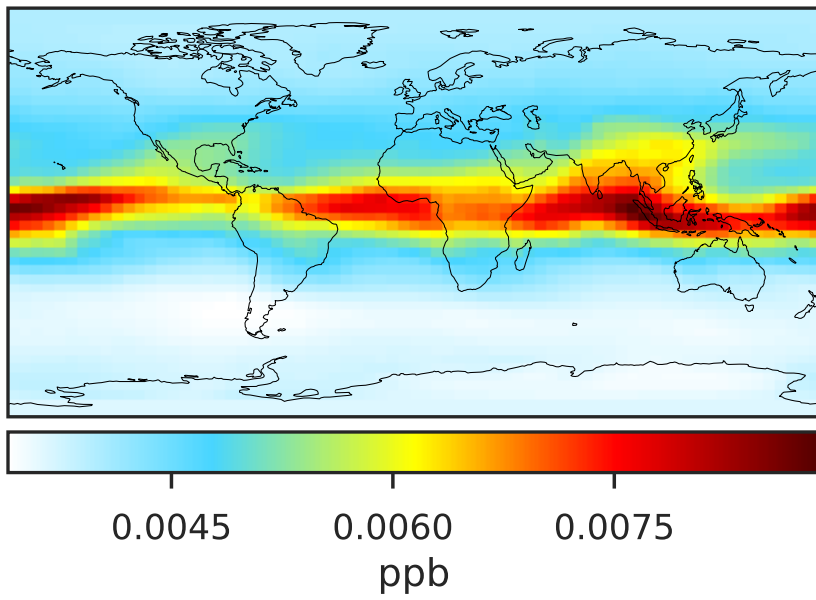


Ratio (1x1.25)
Dev/Ref, Fixed Range

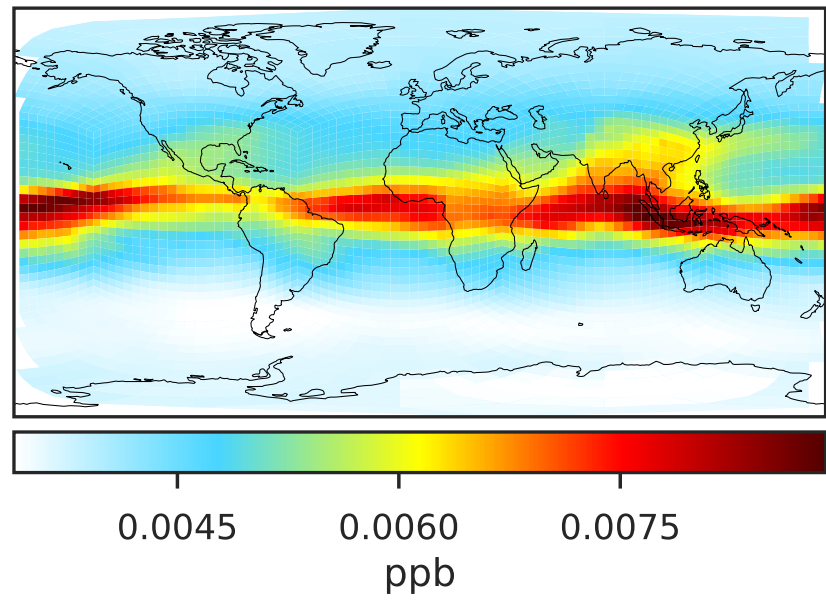


SpeciesConcVV_MENO3 (AnnualMean)

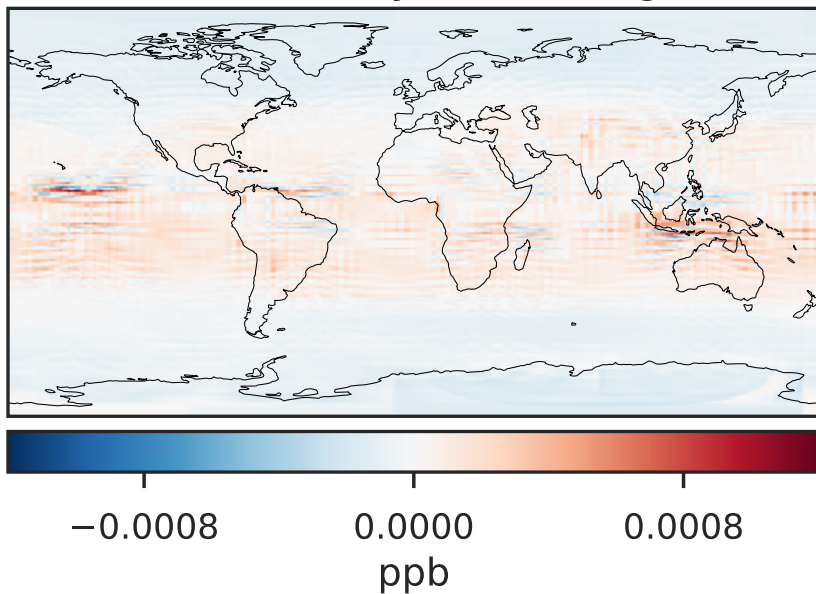
GCC_14.2.0 (Ref)
4.0x5.0



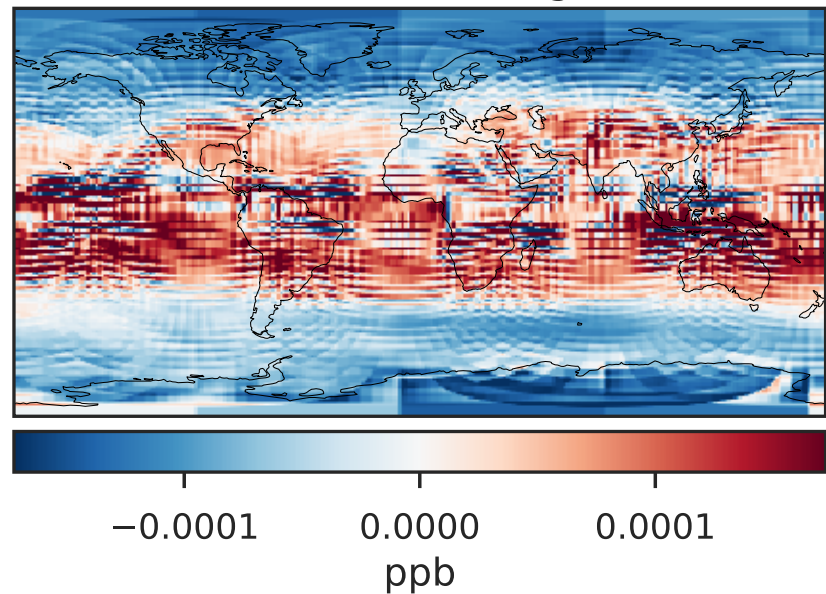
GCHP_14.2.0 (Dev)
c24



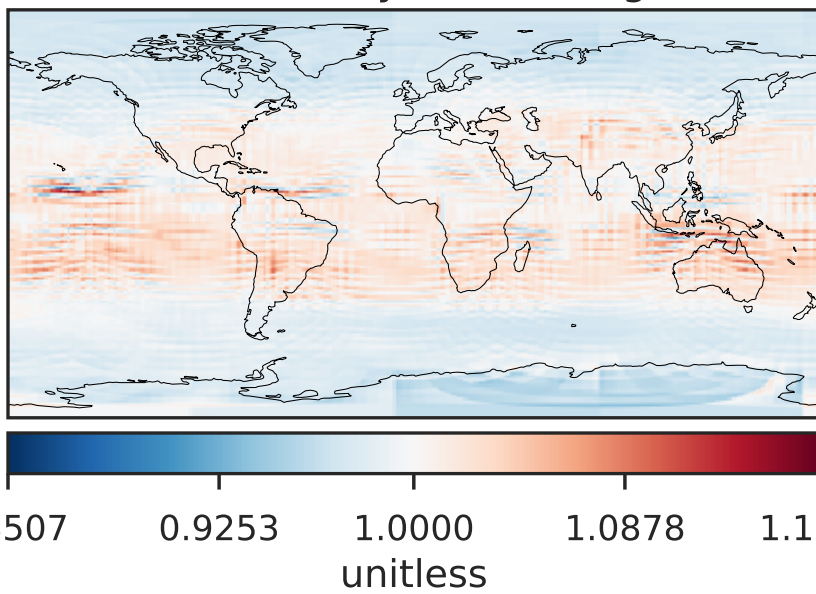
Difference (1x1.25)
Dev - Ref, Dynamic Range



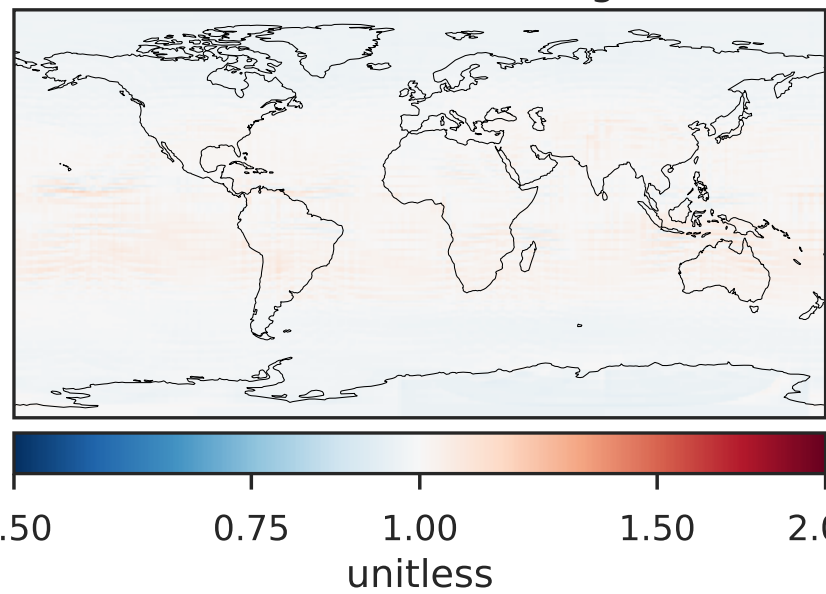
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

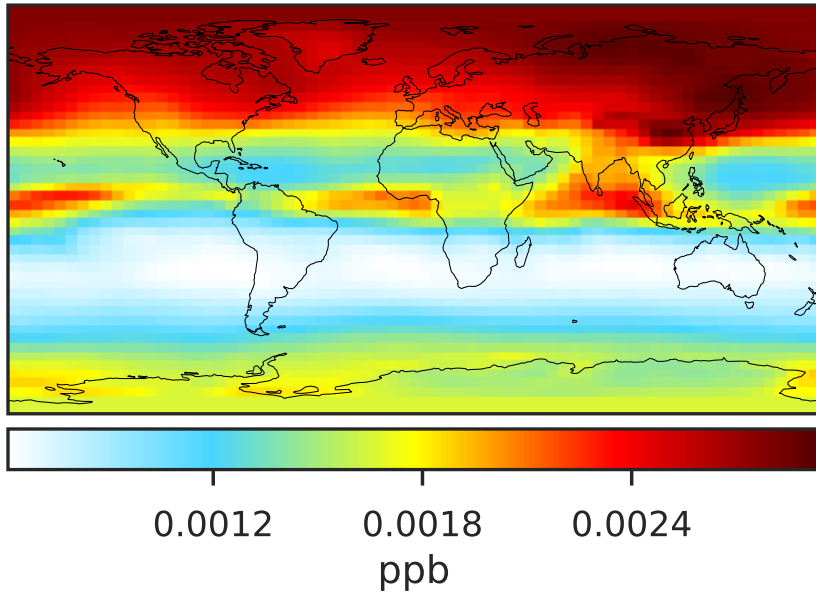


Ratio (1x1.25)
Dev/Ref, Fixed Range

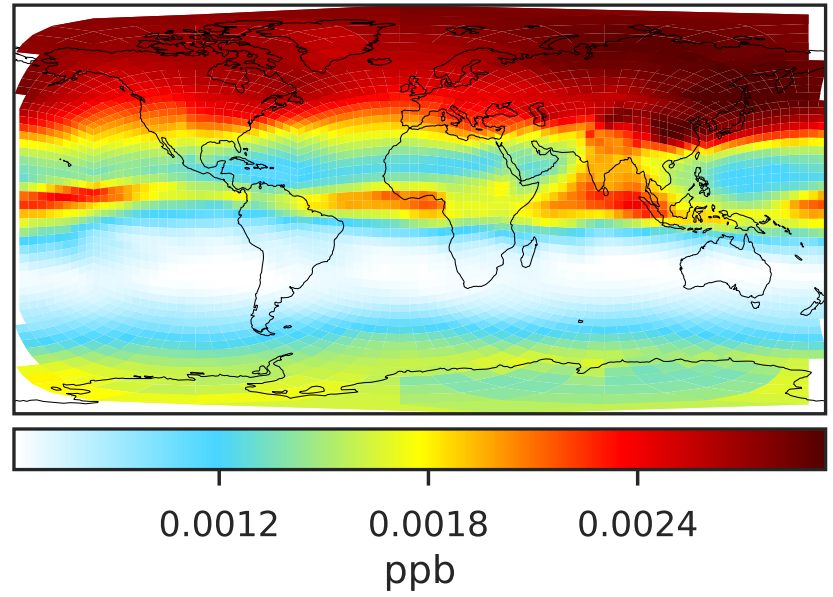


SpeciesConcVV_ETNO3 (AnnualMean)

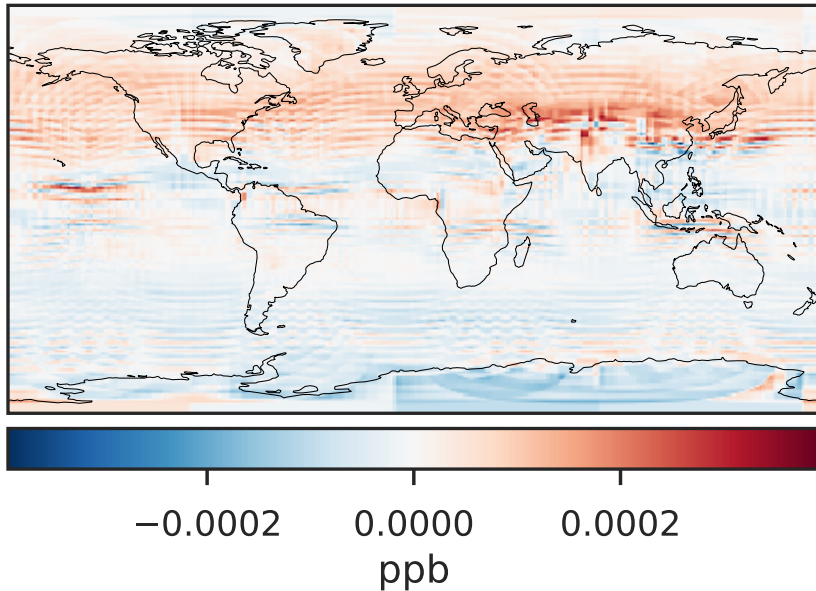
GCC_14.2.0 (Ref)
4.0x5.0



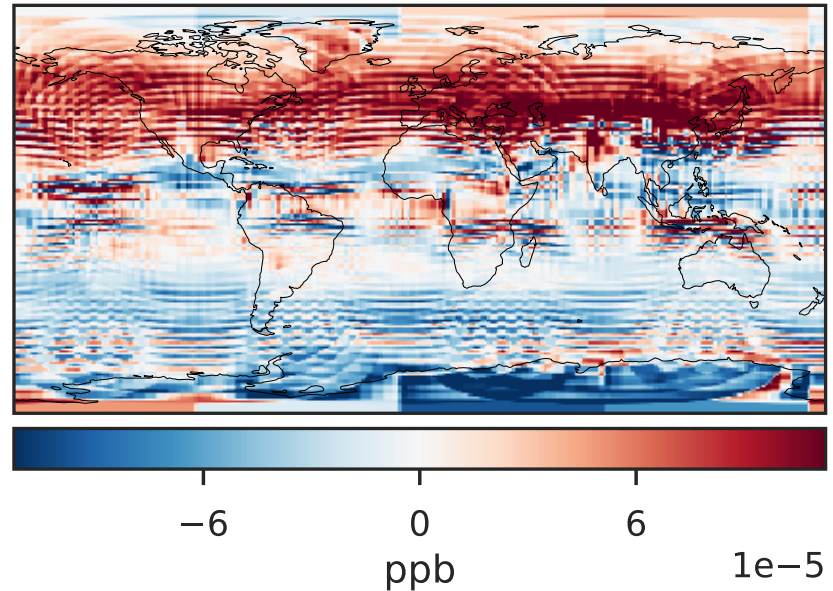
GCHP_14.2.0 (Dev)
c24



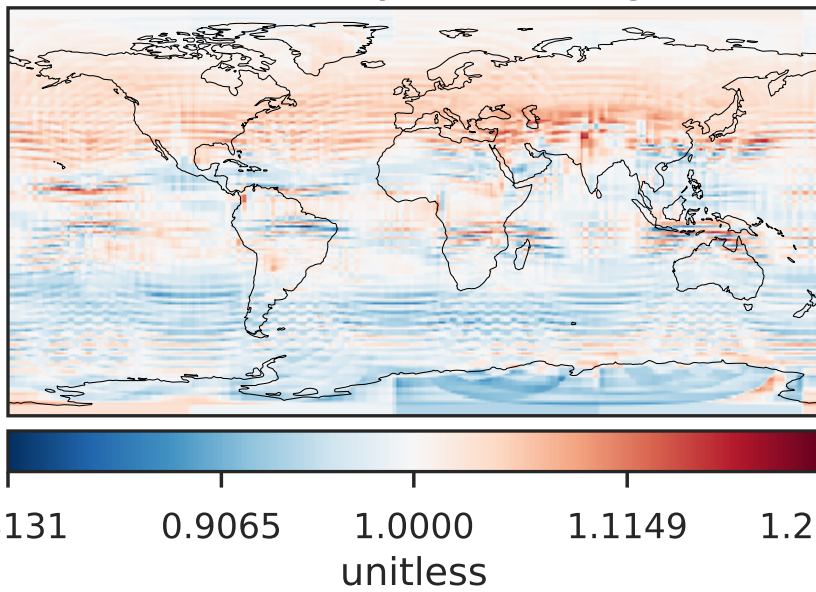
Difference (1x1.25)
Dev - Ref, Dynamic Range



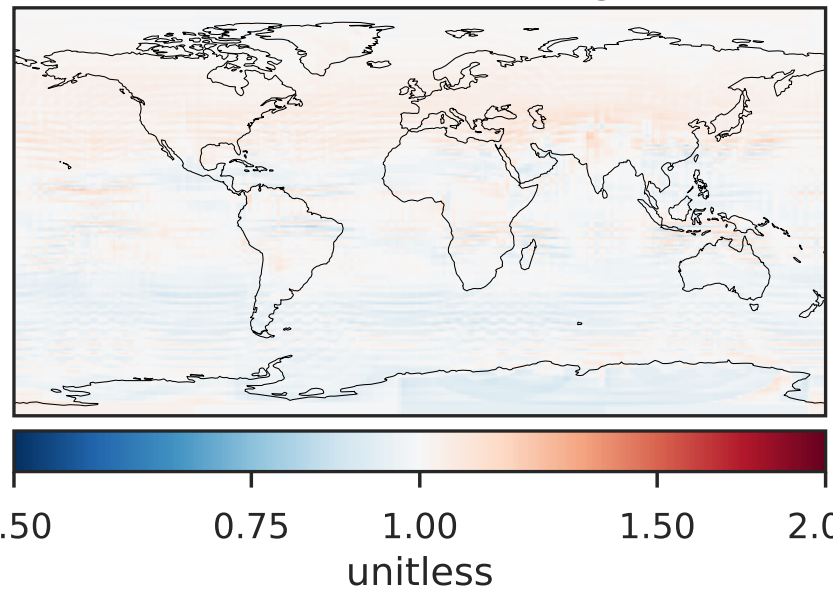
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

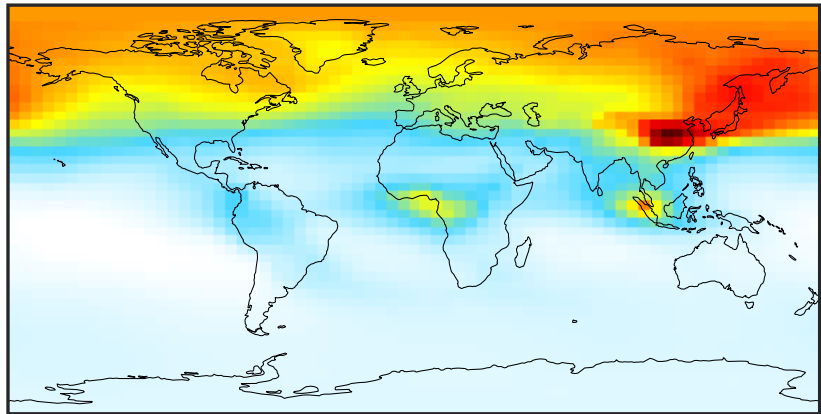


Ratio (1x1.25)
Dev/Ref, Fixed Range



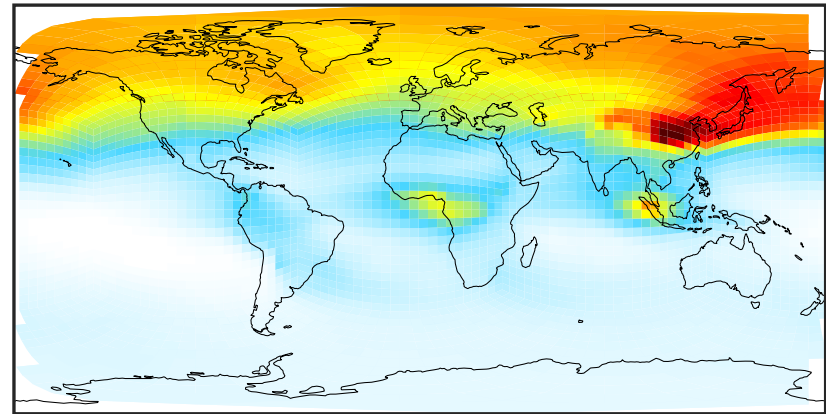
SpeciesConcVV_IPRNO3 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



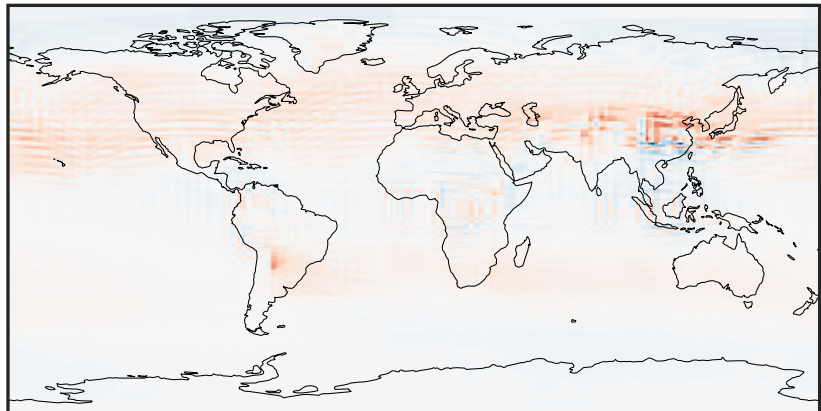
0.004 0.008 0.012
ppb

GCHP_14.2.0 (Dev)
c24



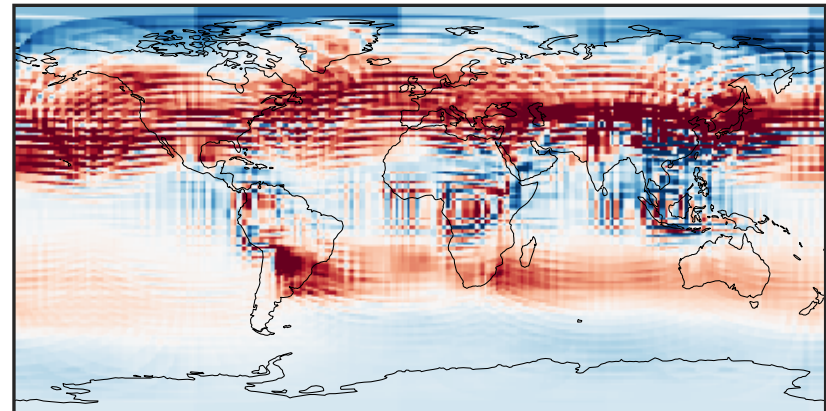
0.004 0.008 0.012
ppb

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



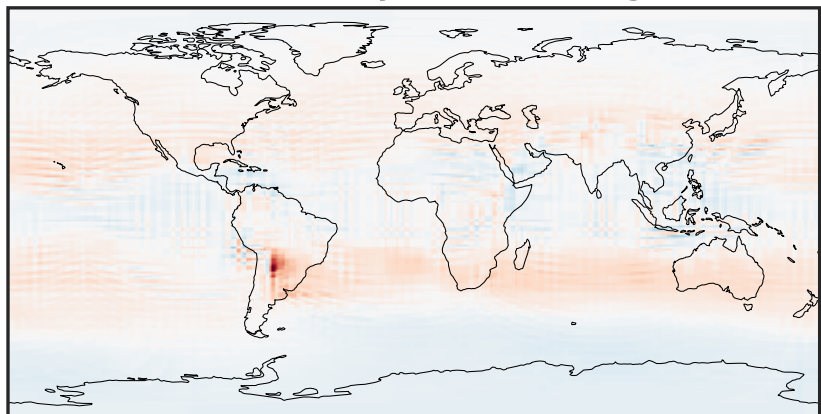
-0.002 0.000 0.002
ppb

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



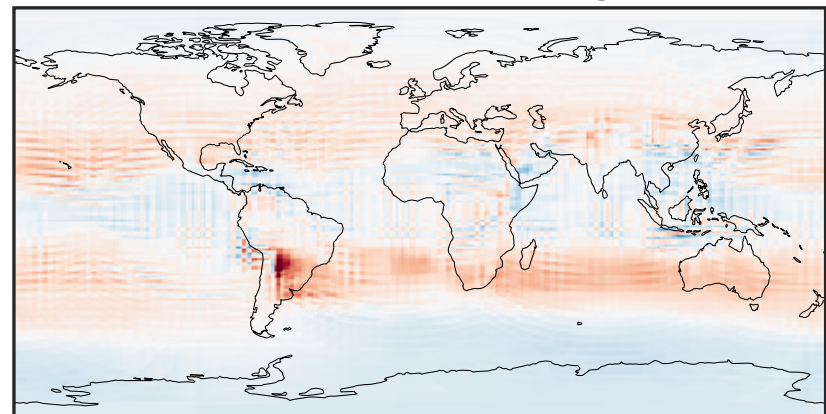
-0.00025 0.00000 0.00025
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.312 0.656 1.000 2.100 3.200
unitless

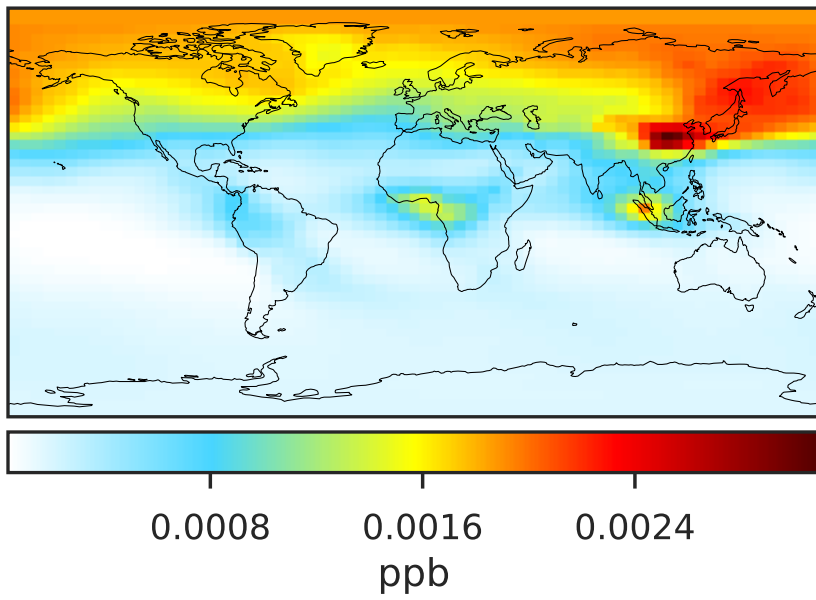
Ratio (1x1.25)
Dev/Ref, Fixed Range



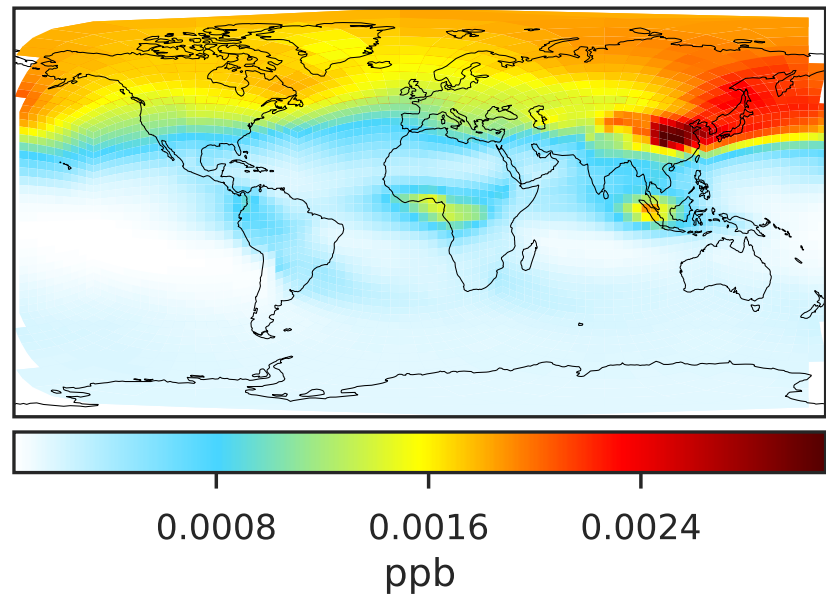
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NPRNO3 (AnnualMean)

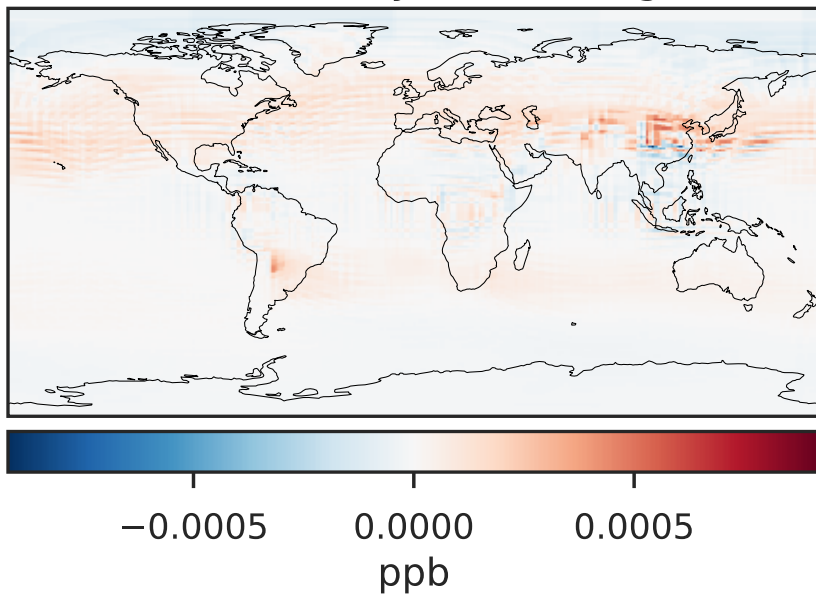
GCC_14.2.0 (Ref)
4.0x5.0



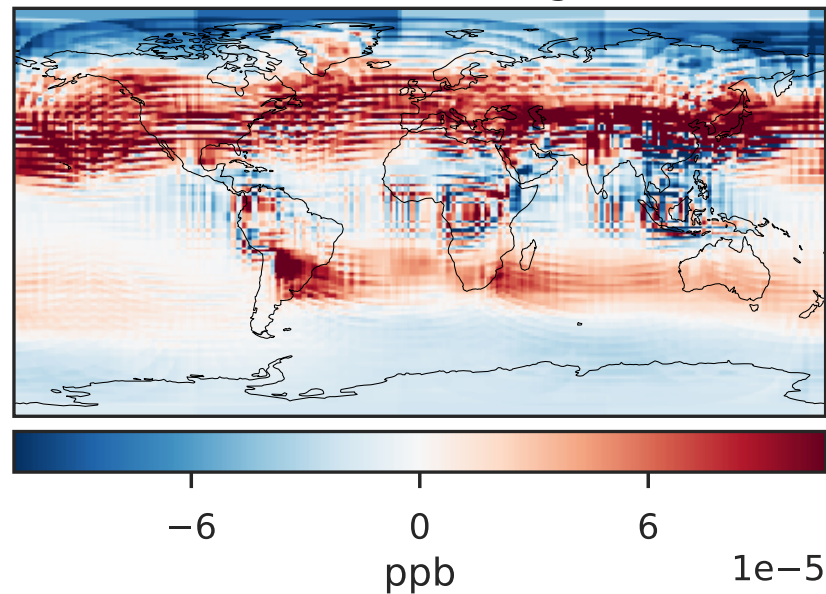
GCHP_14.2.0 (Dev)
c24



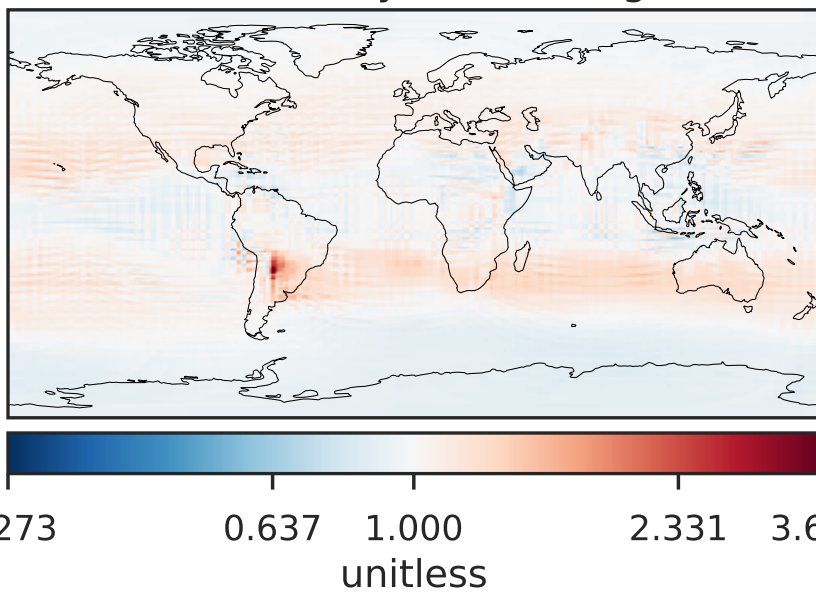
Difference (1x1.25)
Dev - Ref, Dynamic Range



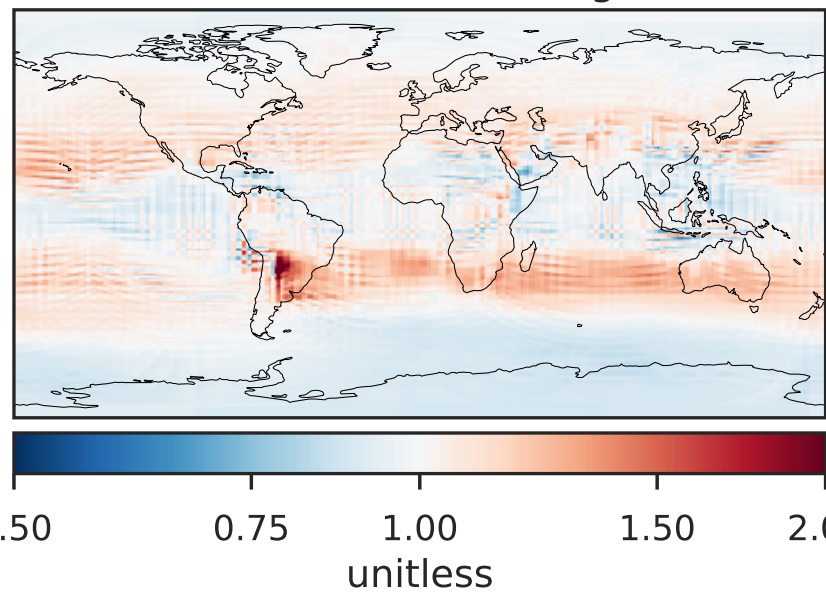
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

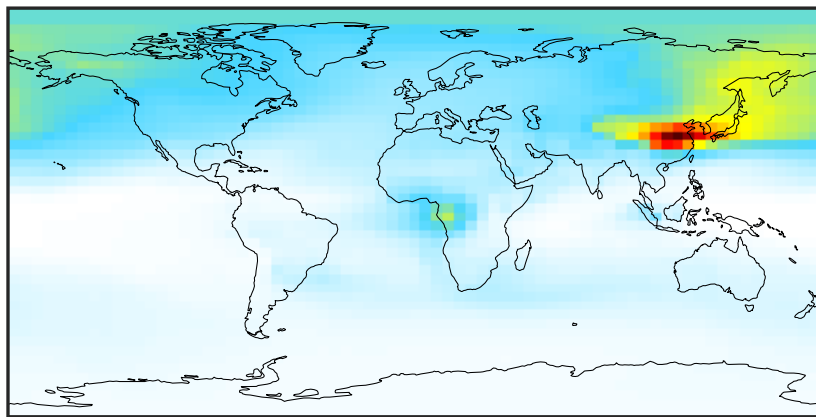


Ratio (1x1.25)
Dev/Ref, Fixed Range



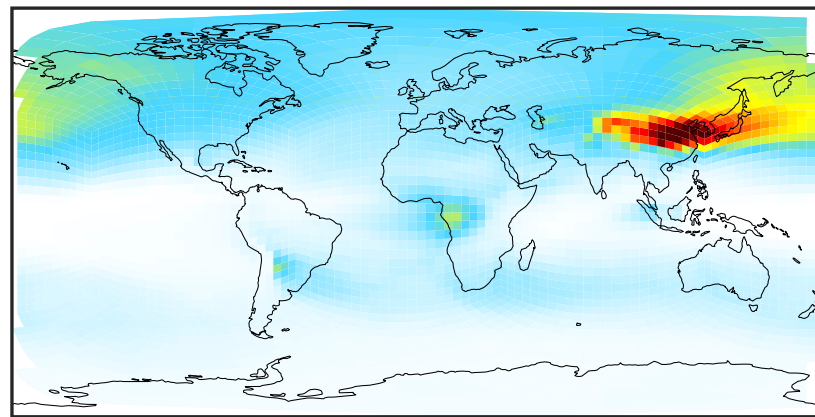
SpeciesConcVV_AONITA (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



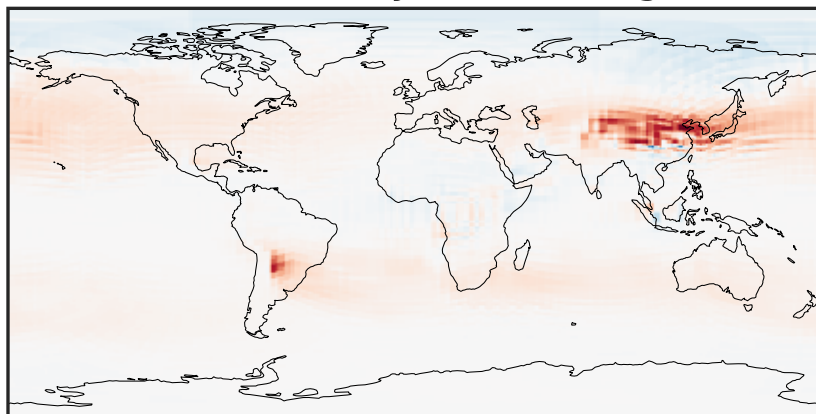
0.0015 0.0030 0.0045
ppb

GCHP_14.2.0 (Dev)
c24



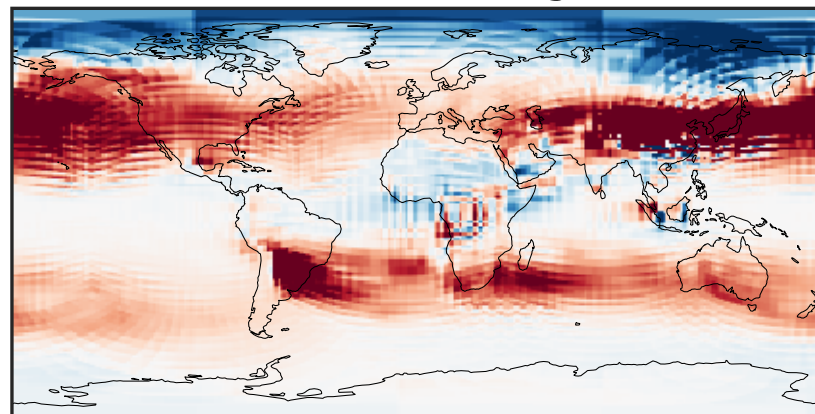
0.0015 0.0030 0.0045
ppb

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



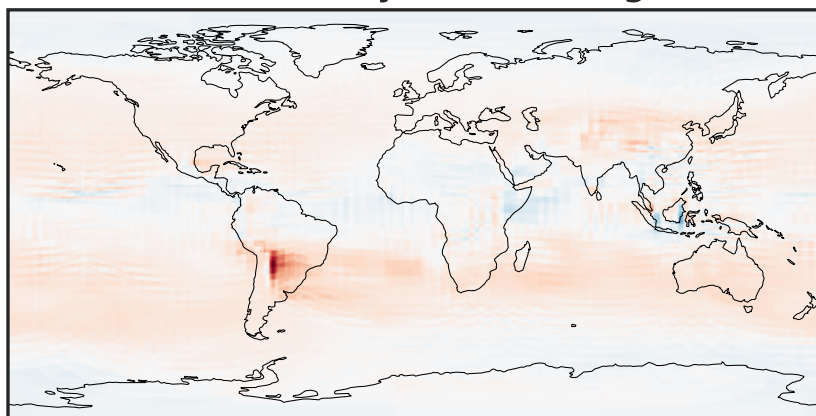
-0.0015 0.0000 0.0015
ppb

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



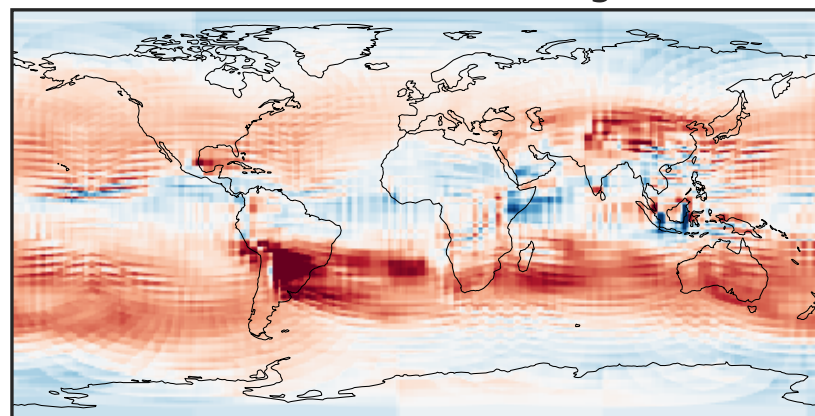
-0.0002 0.0000 0.0002
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

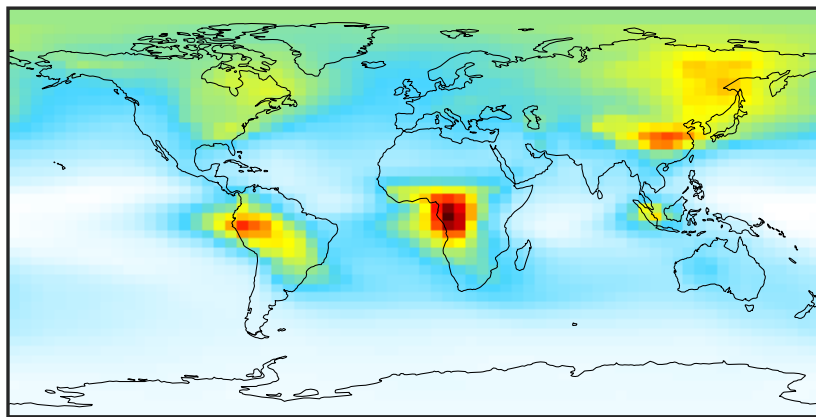
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

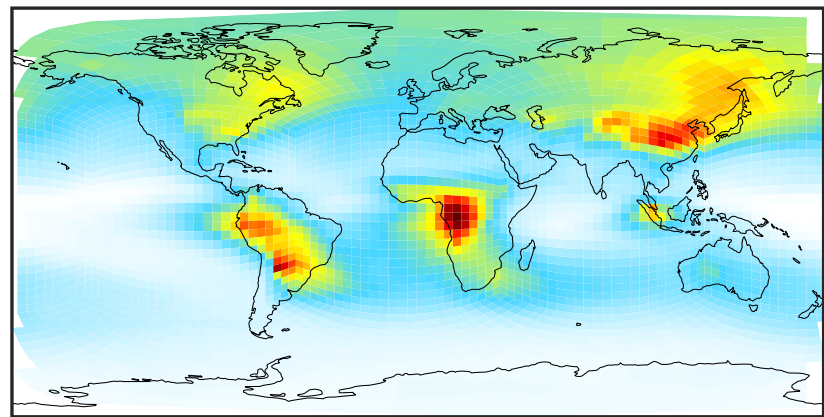
SpeciesConcVV_ETHN (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



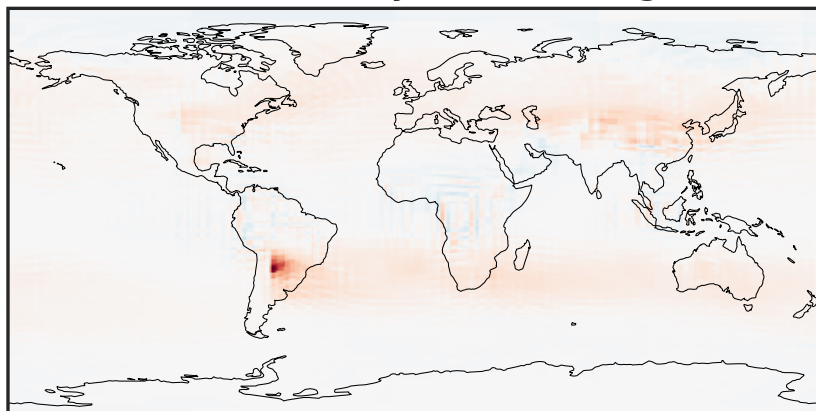
0.00015 0.00030
ppb

GCHP_14.2.0 (Dev)
c24



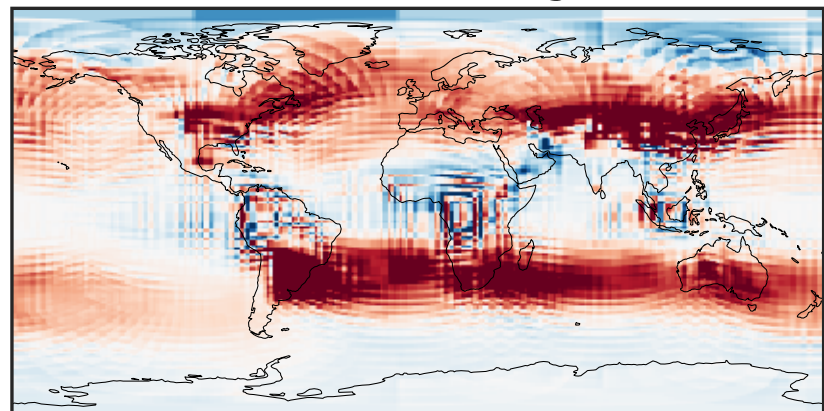
0.00015 0.00030
ppb

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



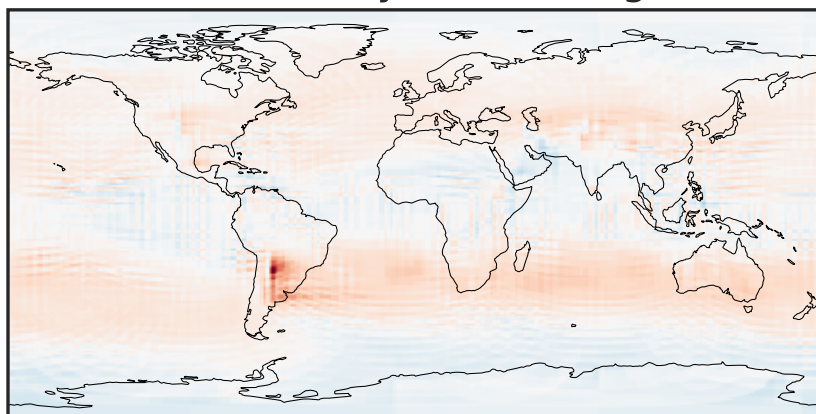
-0.0002 0.0000 0.0002
ppb

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



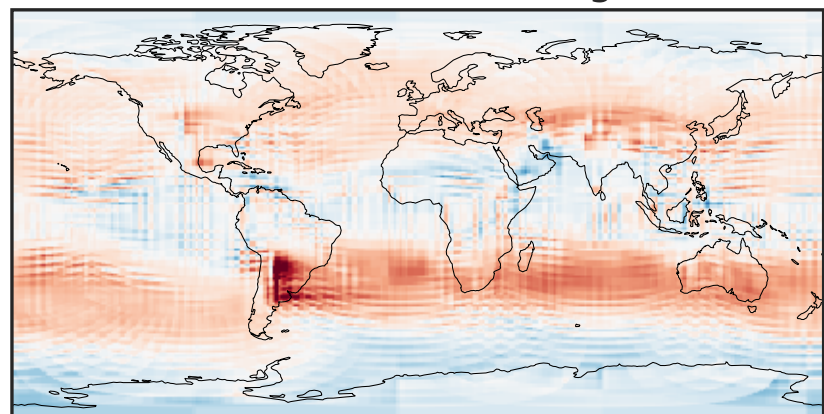
-1.5 0.0 1.5
ppb $1e-5$

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.204 0.602 1.000 2.945 4.891
unitless

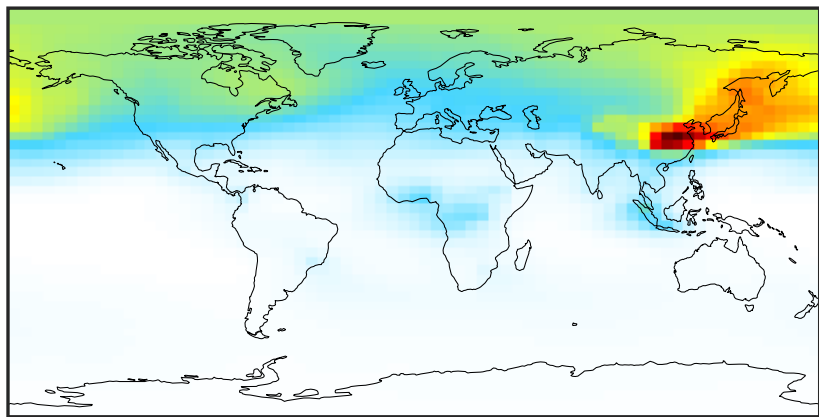
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

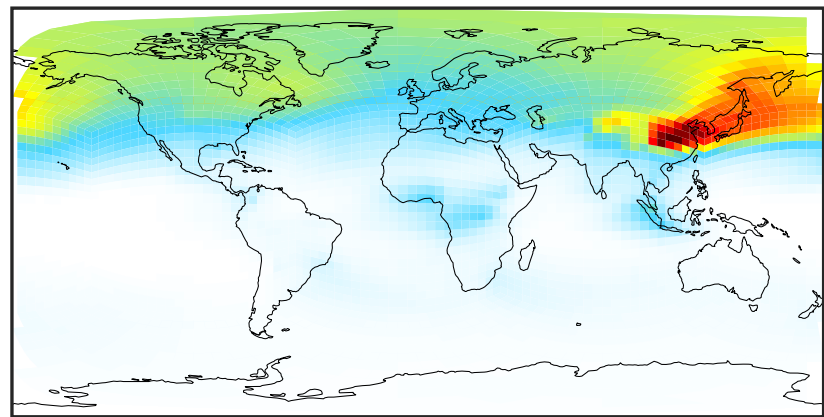
SpeciesConcVV_BZPAN (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



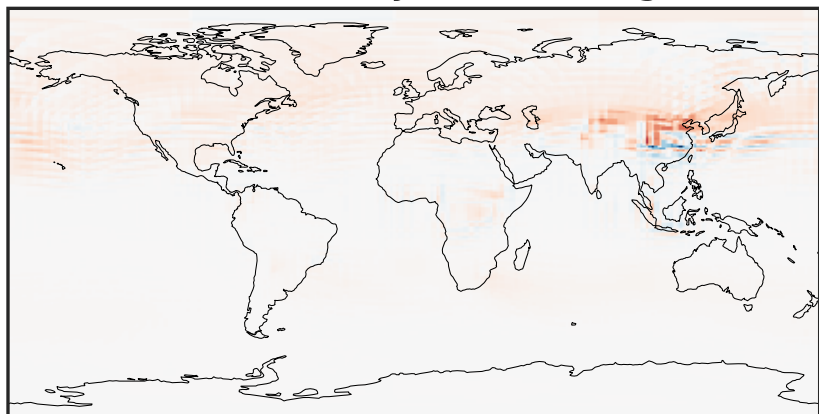
0.0002 0.0004 0.0006 0.0008
ppb

GCHP_14.2.0 (Dev)
c24



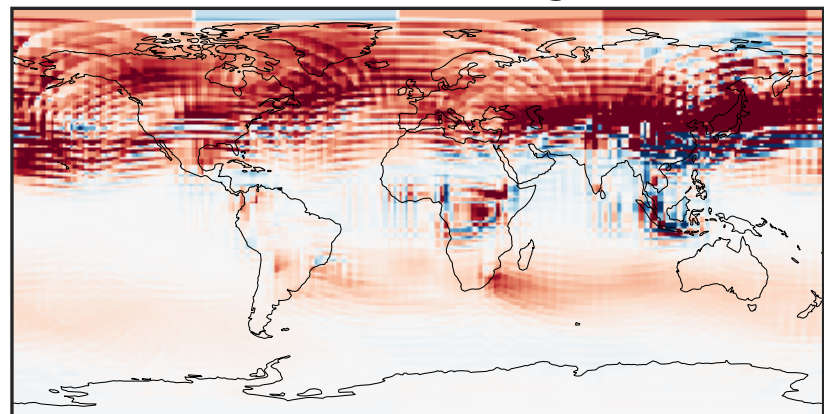
0.0002 0.0004 0.0006 0.0008
ppb

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



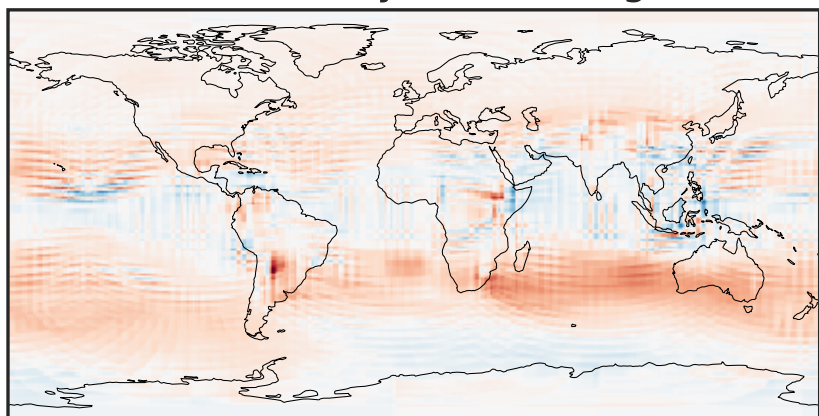
-0.00015 0.00000 0.00015
ppb

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



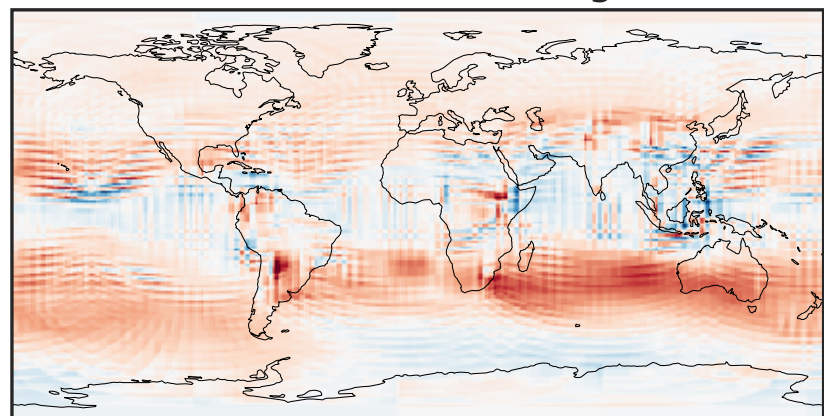
-1.5 0.0 1.5
ppb $1e-5$

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.368 0.684 1.000 1.859 2.719
unitless

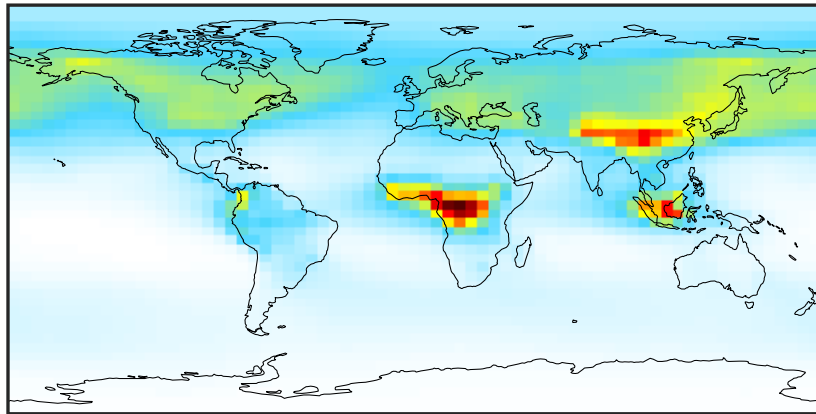
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

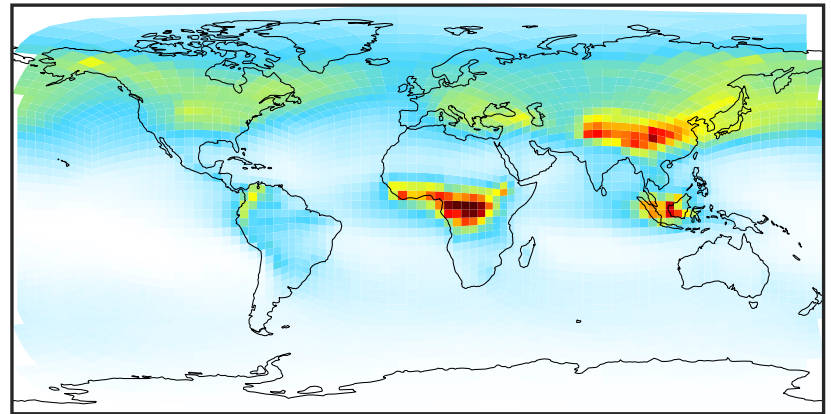
SpeciesConcVV_NPHEN (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



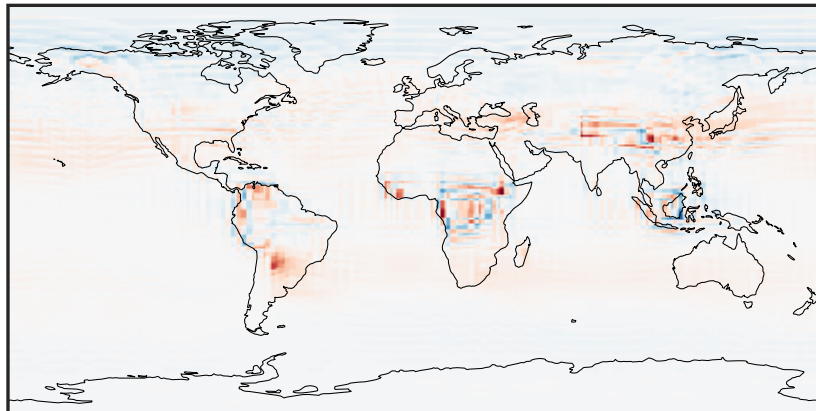
0.00006 0.00012 0.00018
ppb

GCHP_14.2.0 (Dev)
c24



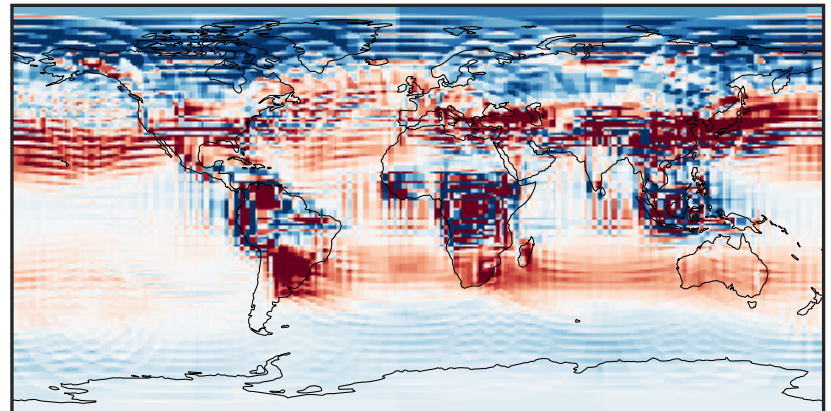
0.00006 0.00012 0.00018
ppb

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



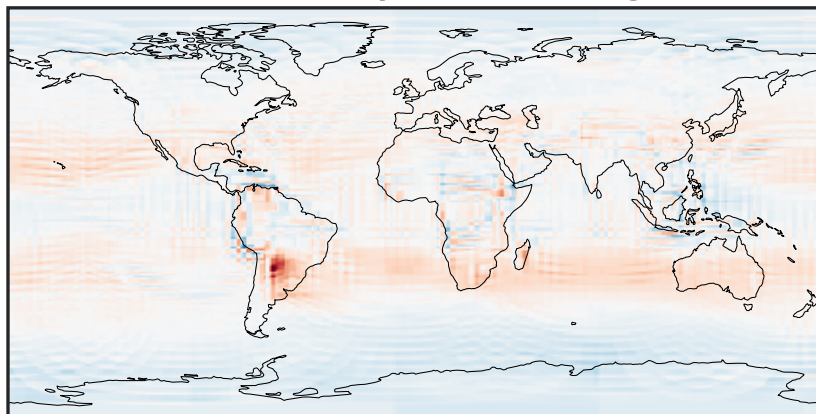
-4 0 4
ppb $1e-5$

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



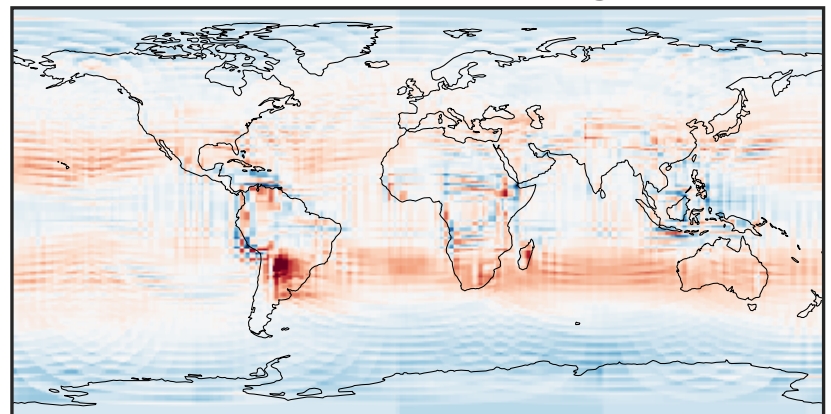
-4 0 4
ppb $1e-6$

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.294 0.647 1.000 2.198 3.396
unitless

Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless