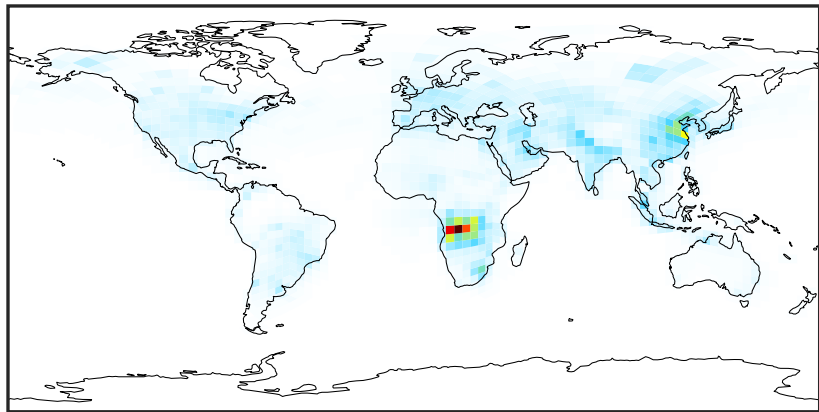


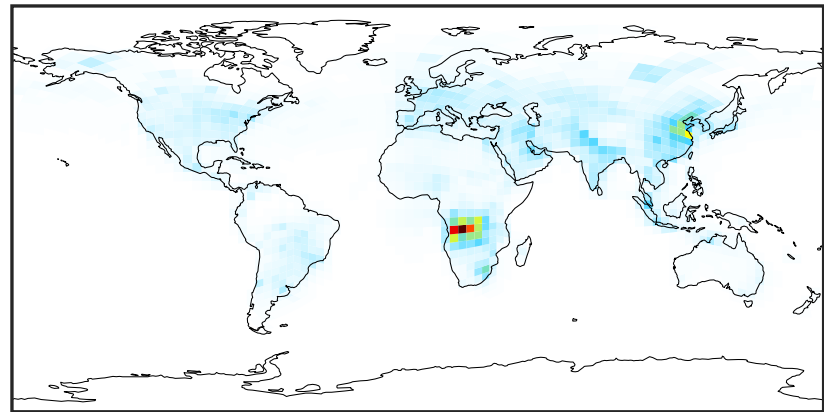
SpeciesConcVV_NOy (Jul2019)

14.2.0-rc.2 (Ref)
c24



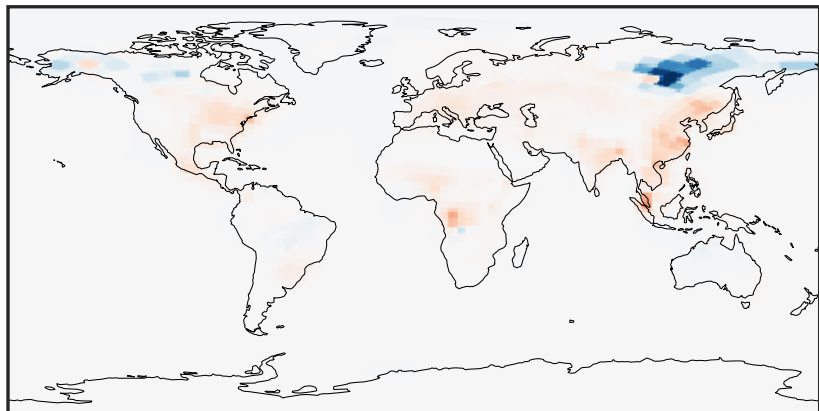
0.01 9.68 19.36 29.03 38.71
ppb

14.3.0-rc.0 (Dev)
c24



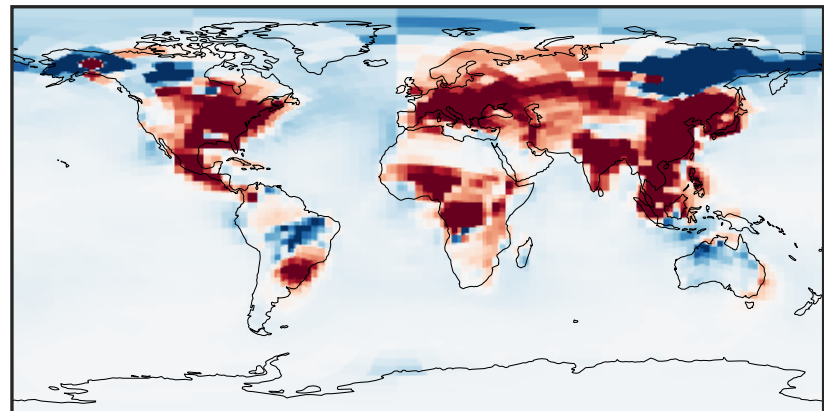
0.01 9.68 19.36 29.03 38.71
ppb

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



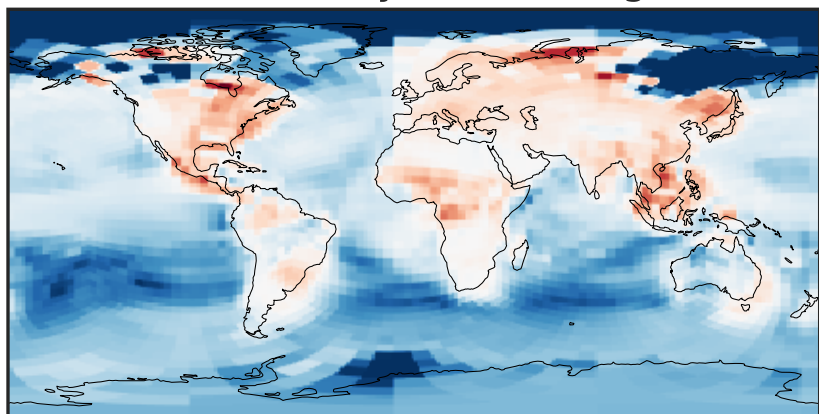
-0.2737 -0.1369 0.0000 0.1369 0.2737
ppb

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



-0.008 0.000 0.008
ppb

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



0.95822 0.97911 1.00000 1.02180 1.04360
unitless

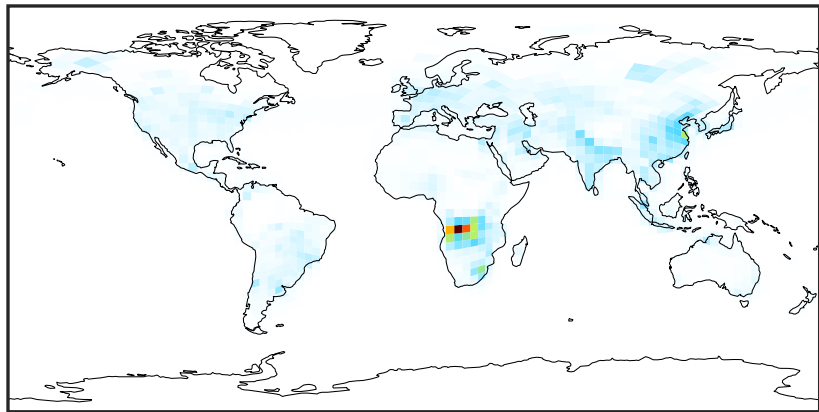
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

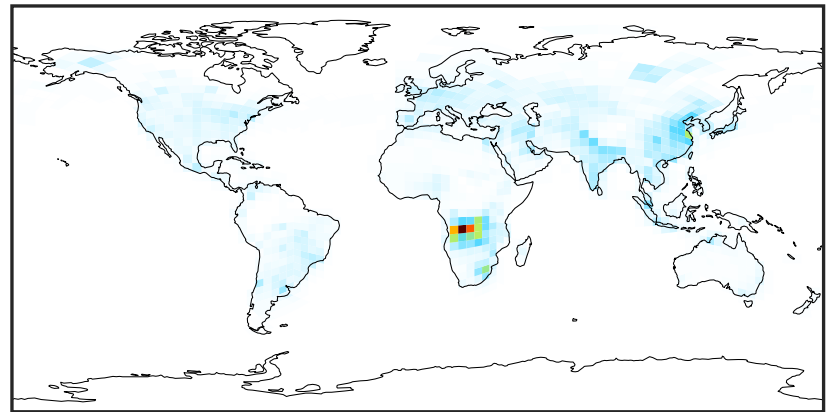
SpeciesConcVV_NOx (Jul2019)

14.2.0-rc.2 (Ref)
c24



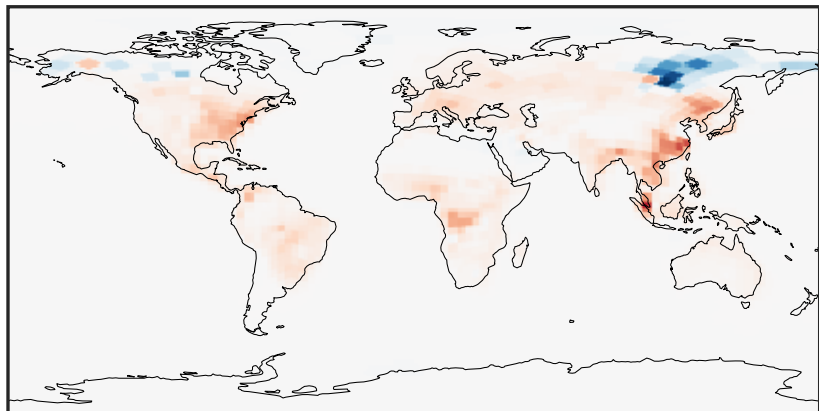
0.00 6.84 13.68 20.52 27.36
ppb

14.3.0-rc.0 (Dev)
c24



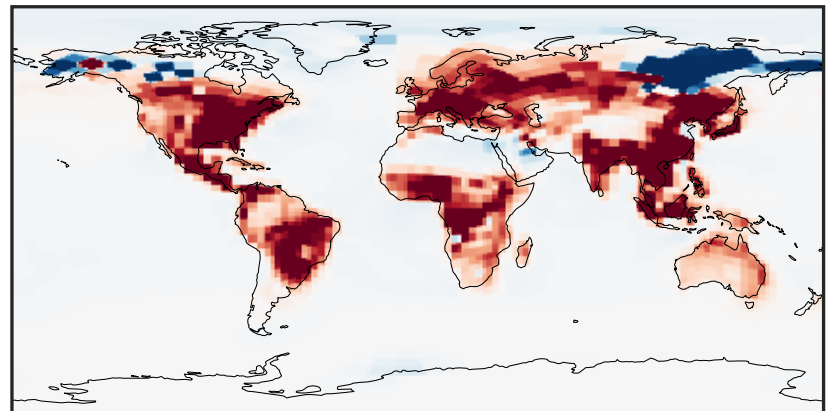
0.00 6.84 13.68 20.52 27.36
ppb

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



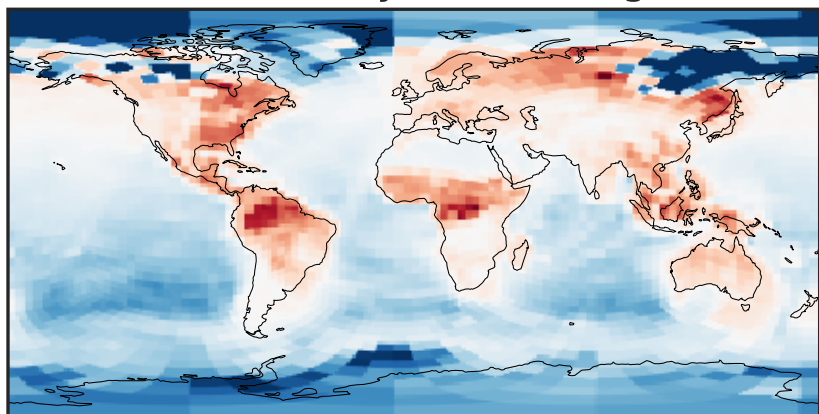
-0.2535 -0.1268 0.0000 0.1268 0.2535
ppb

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



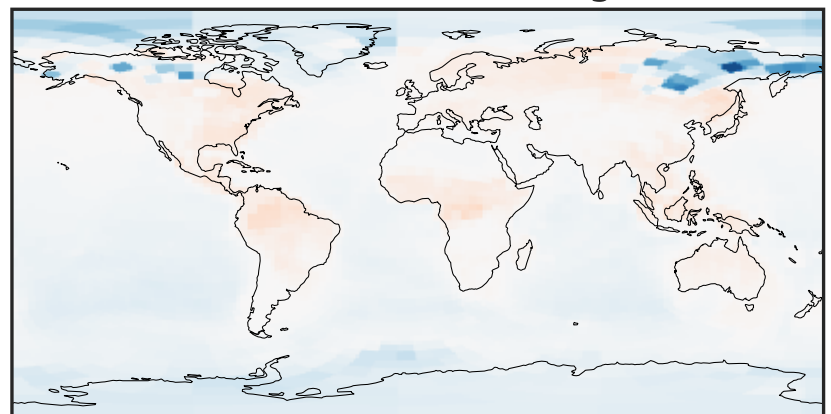
-0.015 0.000 0.015
ppb

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



0.8717 0.9359 1.0000 1.0736 1.1471
unitless

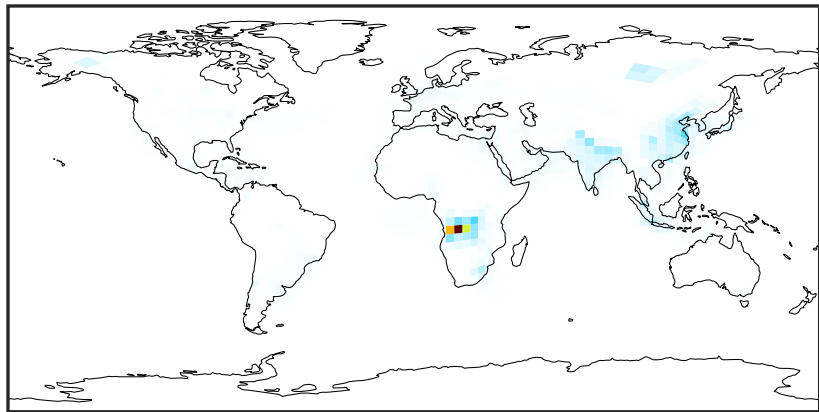
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

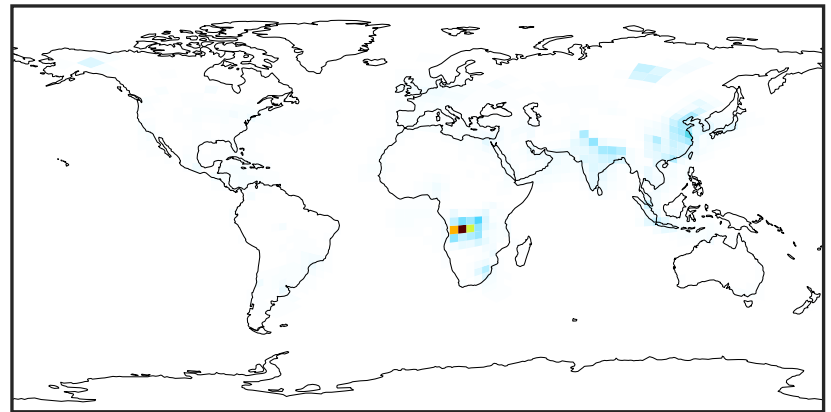
SpeciesConcVV_HNO2 (Jul2019)

14.2.0-rc.2 (Ref)
c24



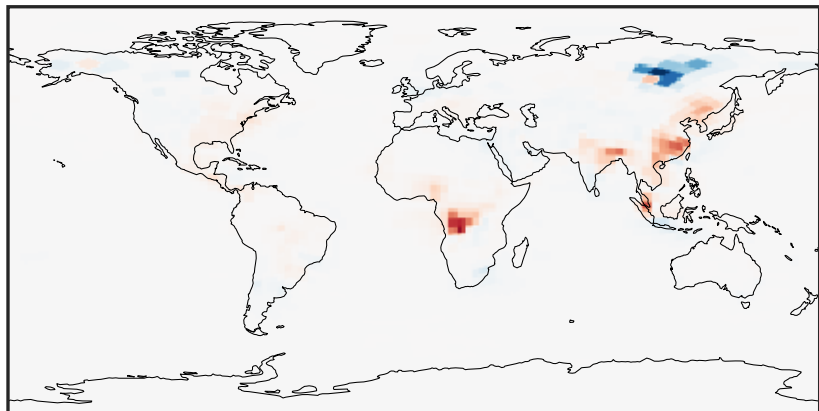
0.0000 0.1498 0.2997 0.4495 0.5994
ppb

14.3.0-rc.0 (Dev)
c24



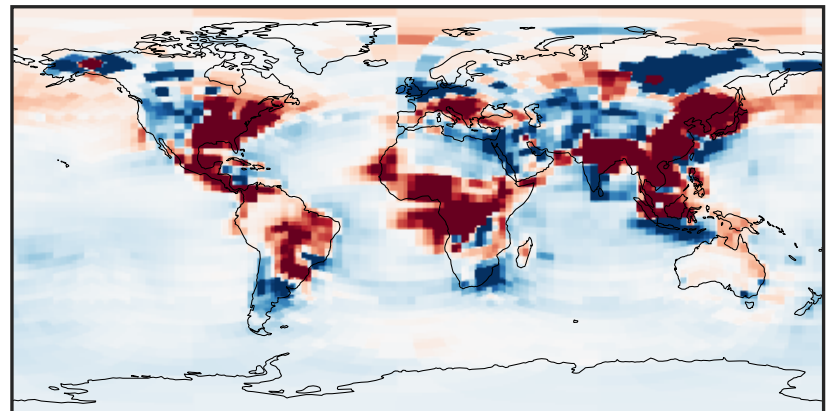
0.0000 0.1498 0.2997 0.4495 0.5994
ppb

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



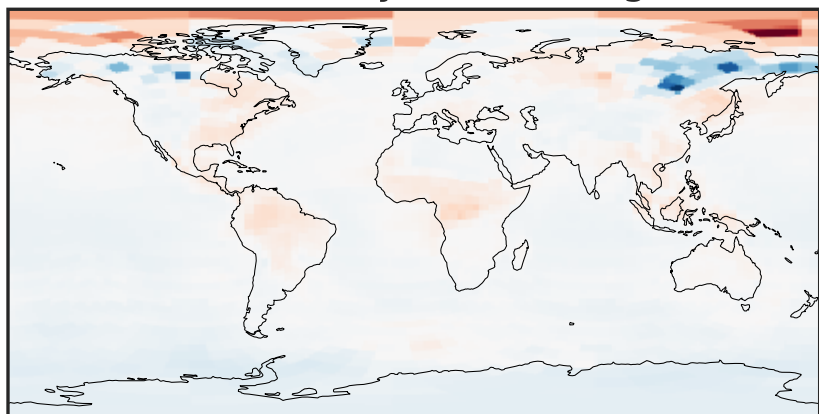
-0.0015 0.0000 0.0015
ppb

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



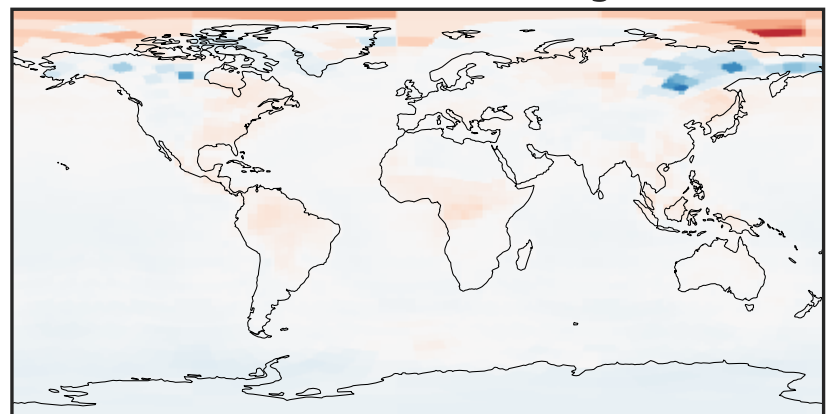
-4 0 4
ppb 1e-5

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



0.596 0.798 1.000 1.339 1.679
unitless

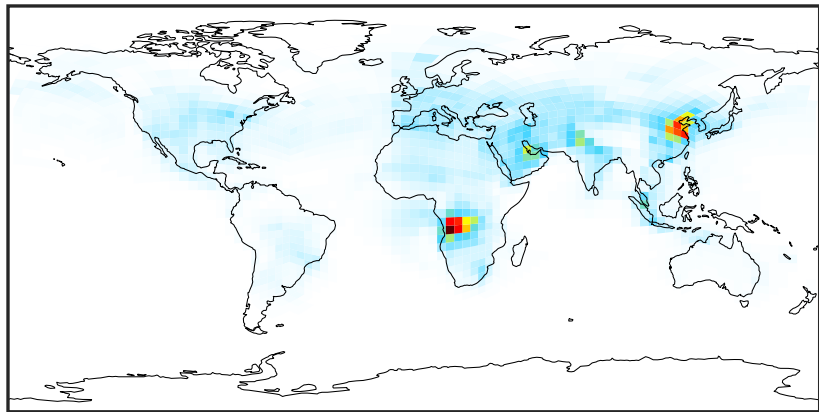
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

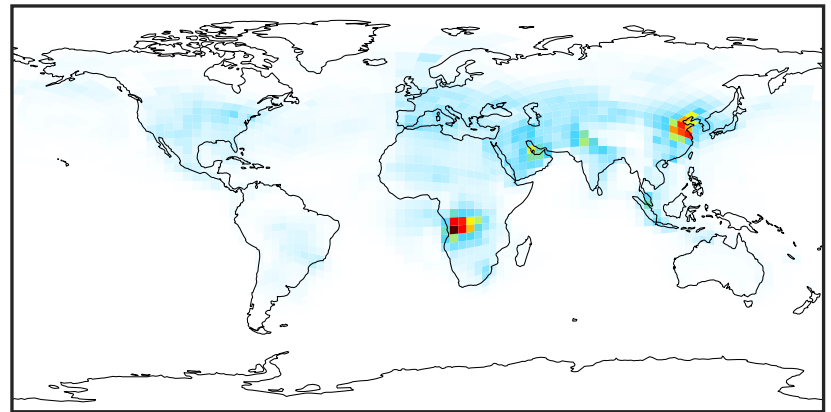
SpeciesConcVV_HNO3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



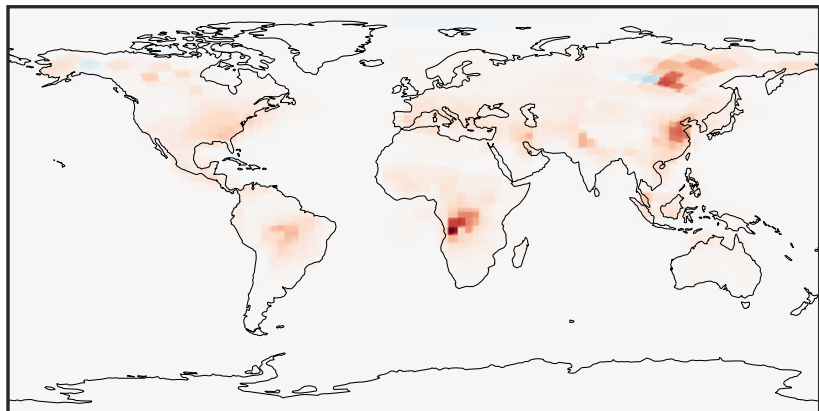
0.00 2.31 4.62 6.93 9.24
ppb

14.3.0-rc.0 (Dev)
c24



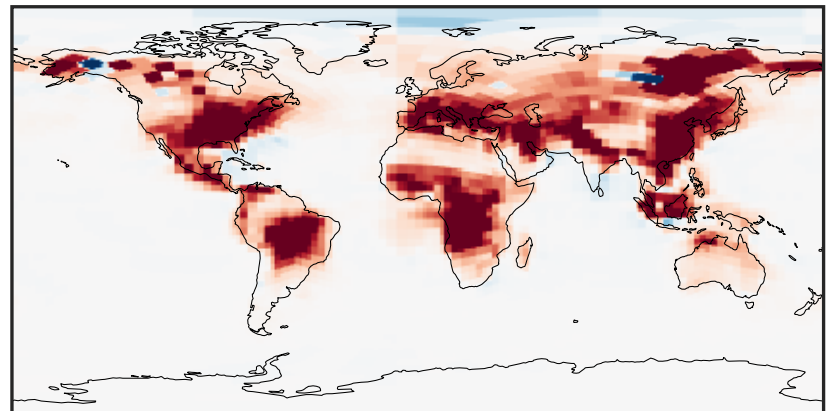
0.00 2.31 4.62 6.93 9.24
ppb

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



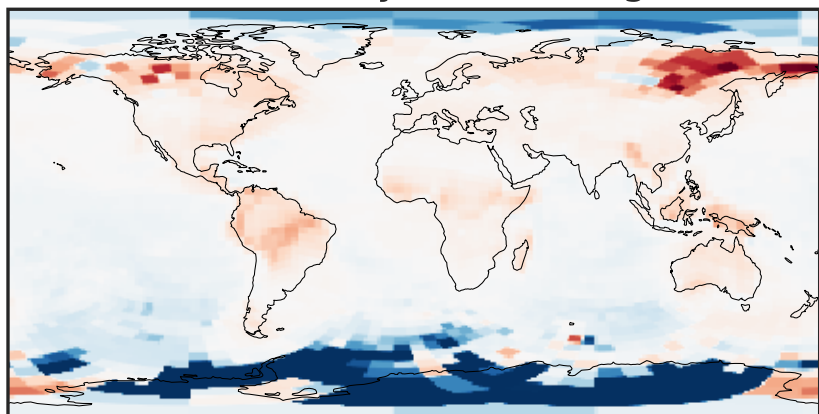
-0.110 -0.055 0.000 0.055 0.110
ppb

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



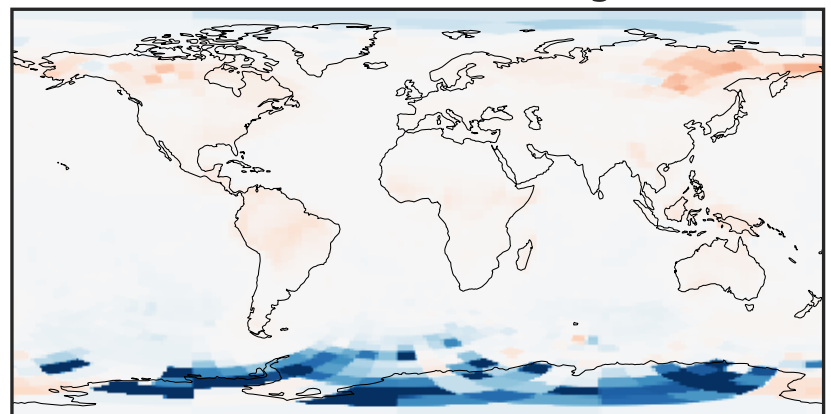
-0.006 0.000 0.006
ppb

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



0.7809 0.8905 1.0000 1.1403 1.2805
unitless

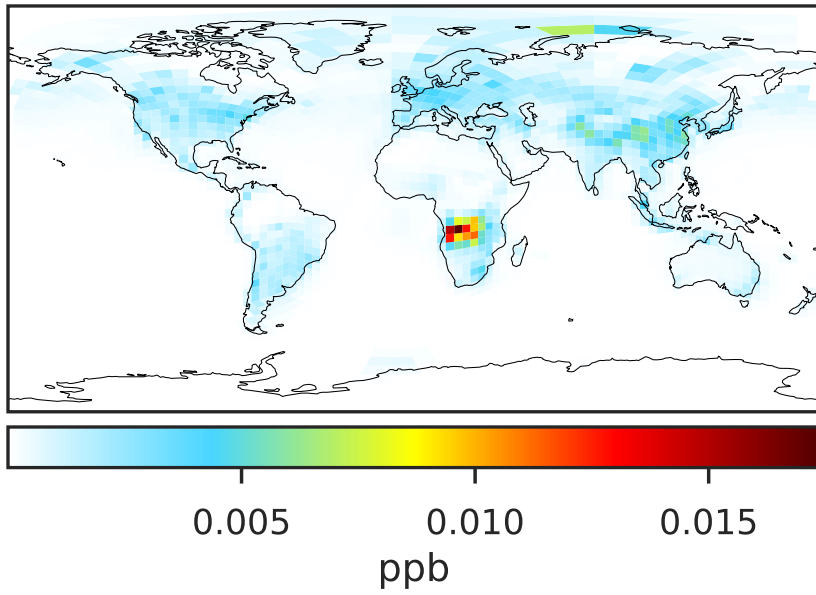
Ratio (1x1.25)
Dev/Ref, Fixed Range



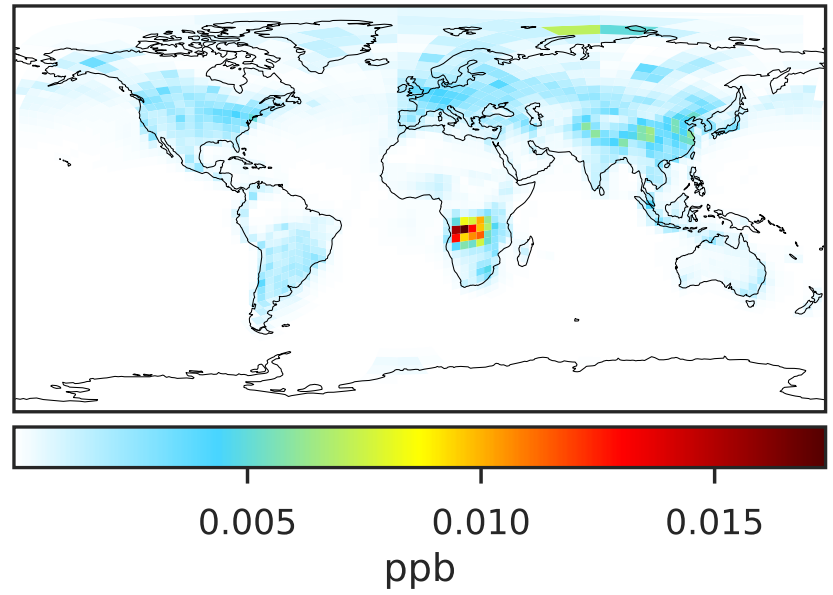
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO4 (Jul2019)

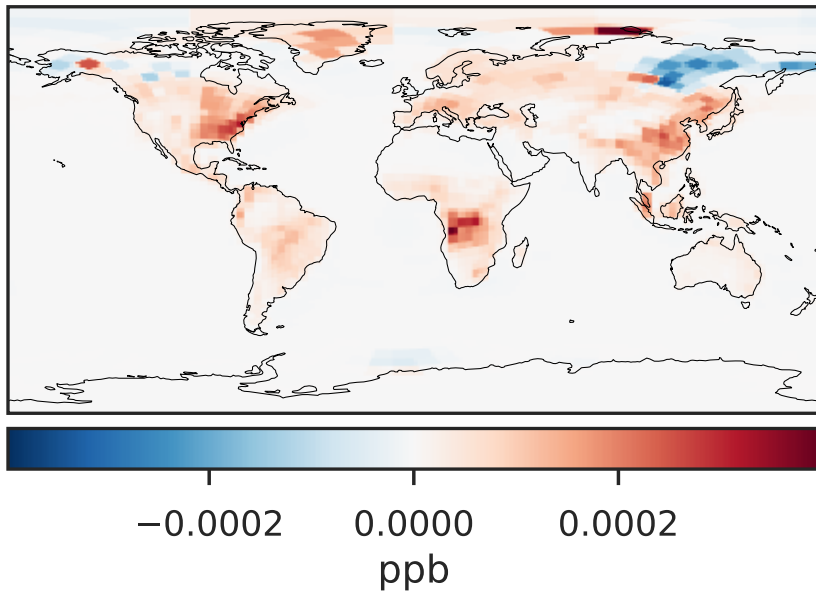
14.2.0-rc.2 (Ref)
c24



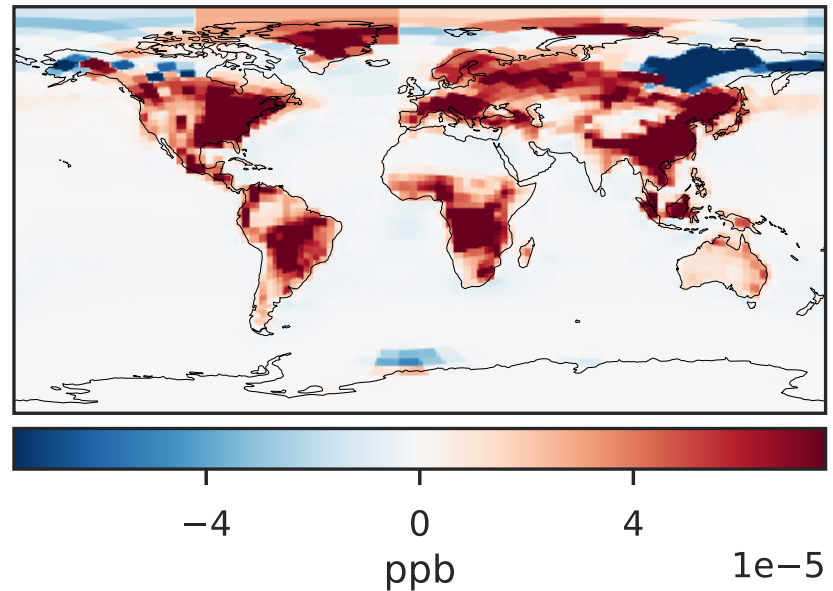
14.3.0-rc.0 (Dev)
c24



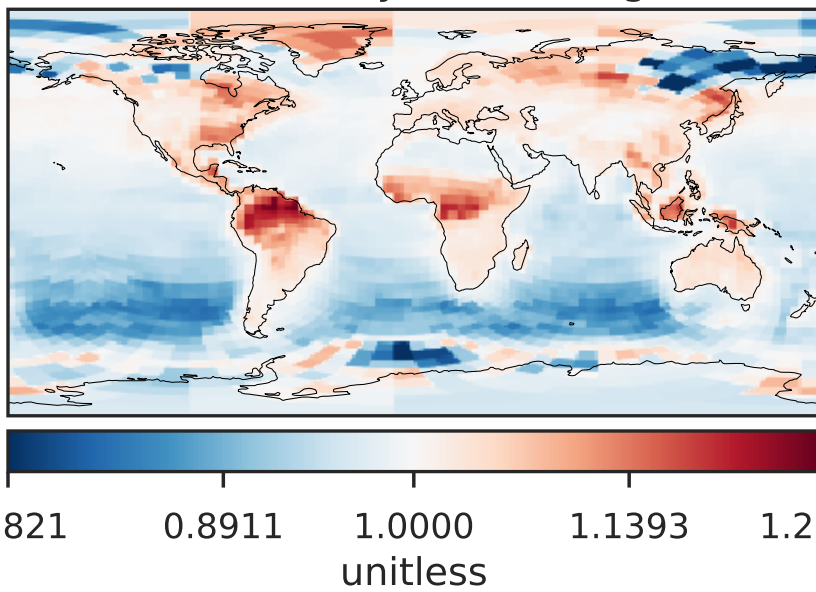
Difference (1x1.25)
Dev - Ref, Dynamic Range



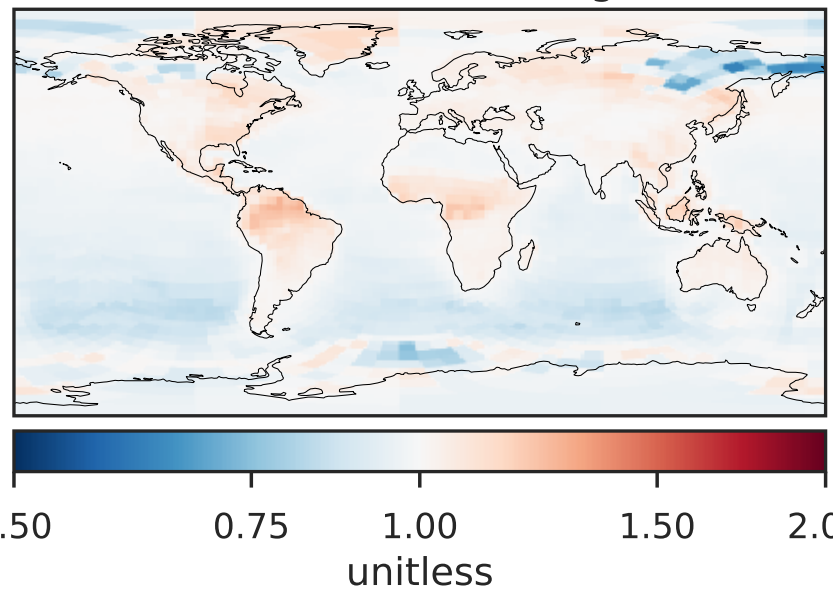
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

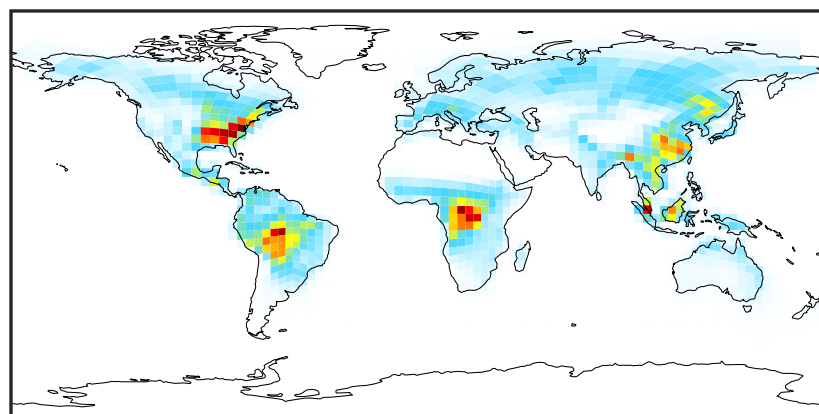


Ratio (1x1.25)
Dev/Ref, Fixed Range



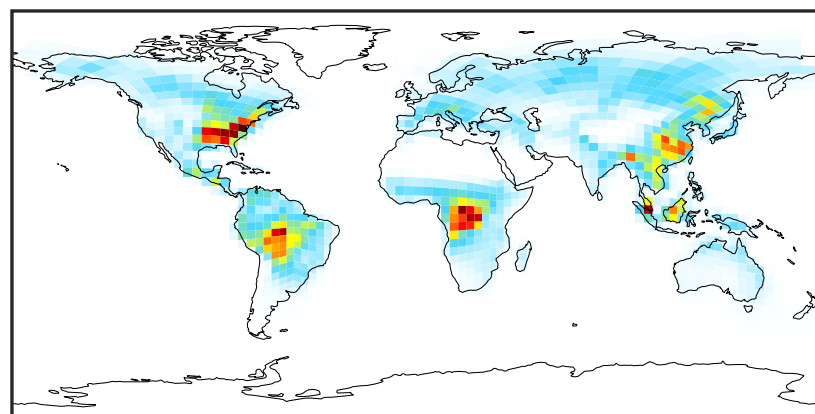
SpeciesConcVV_MPAN (Jul2019)

14.2.0-rc.2 (Ref)
c24



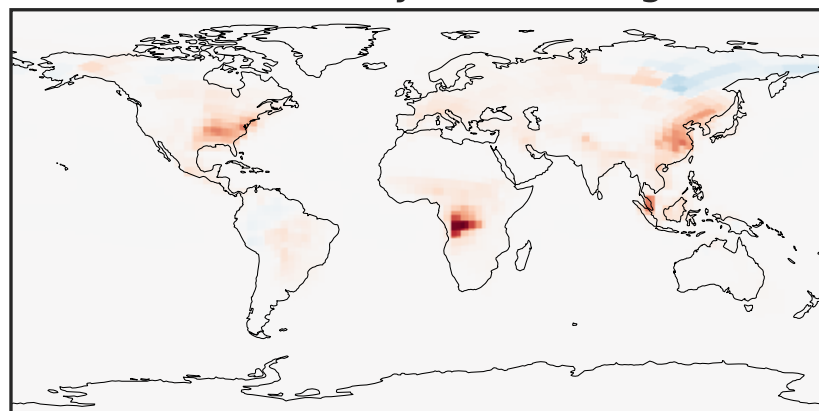
0.000 0.015 0.030
ppb

14.3.0-rc.0 (Dev)
c24



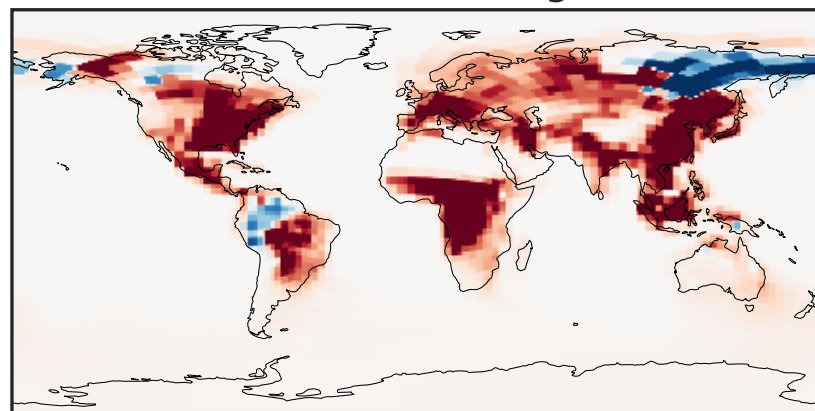
0.000 0.015 0.030
ppb

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



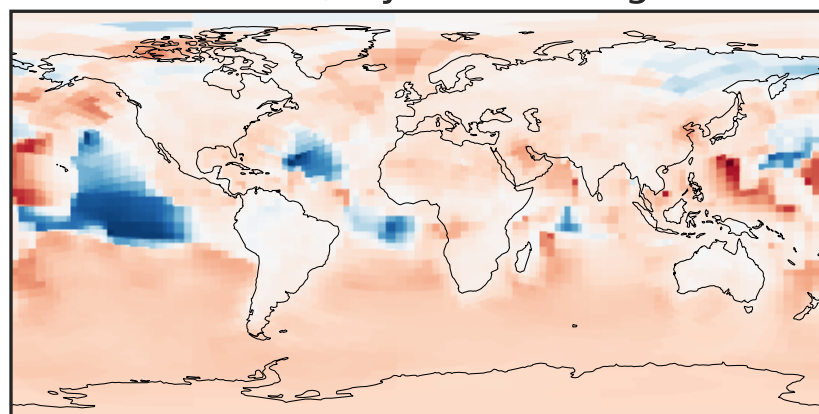
-0.003 0.000 0.003
ppb

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



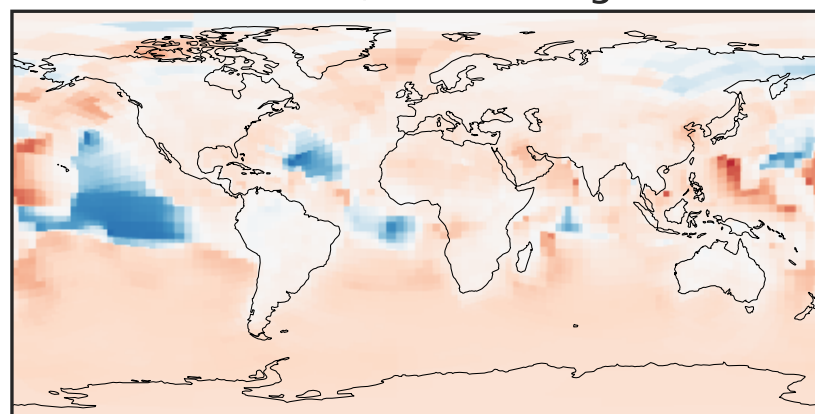
-0.0002 0.0000 0.0002
ppb

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



0.592 0.796 1.000 1.345 1.690
unitless

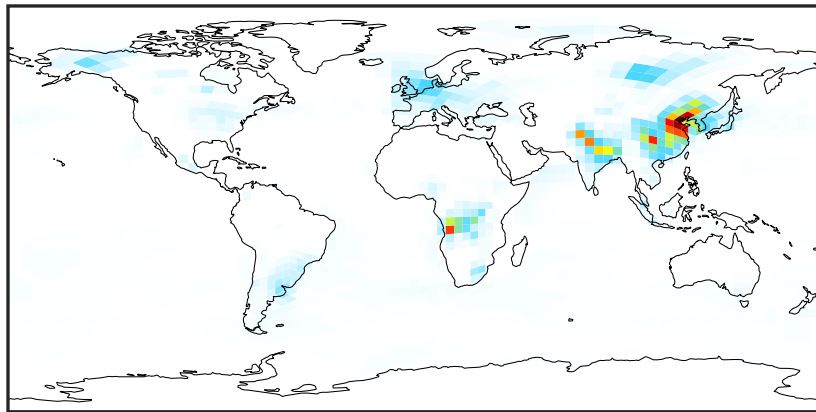
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

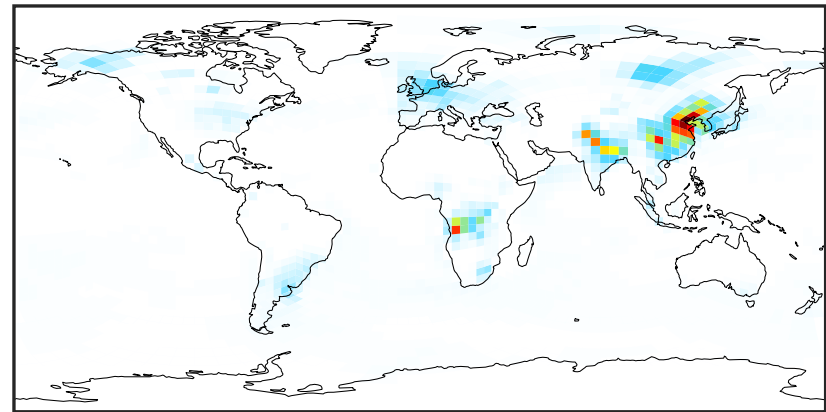
SpeciesConcVV_NIT (Jul2019)

14.2.0-rc.2 (Ref)
c24



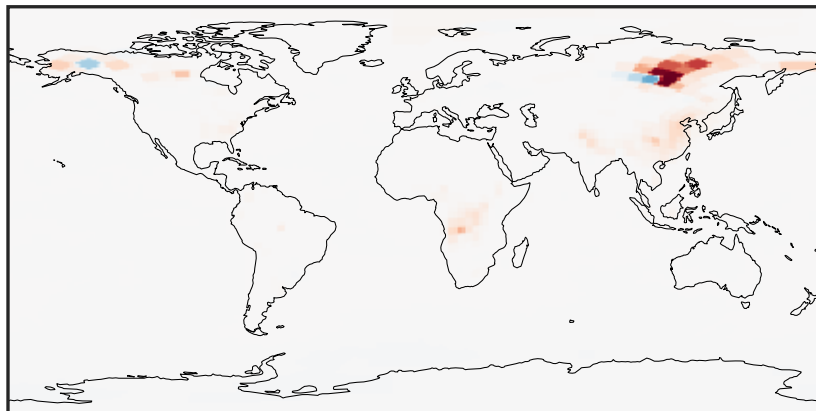
0.000 1.112 2.224 3.336 4.448
ppb

14.3.0-rc.0 (Dev)
c24



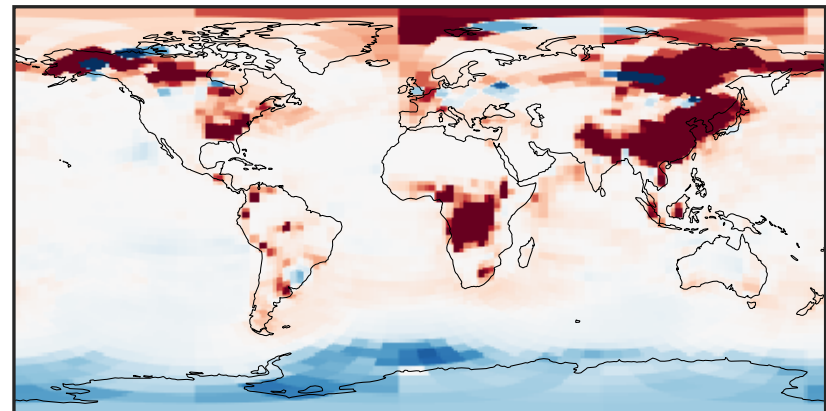
0.000 1.112 2.224 3.336 4.448
ppb

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



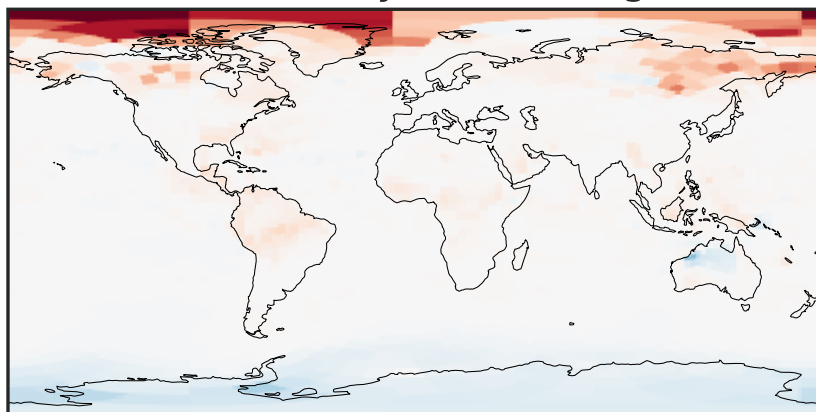
-0.2098 -0.1049 0.0000 0.1049 0.2098
ppb

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



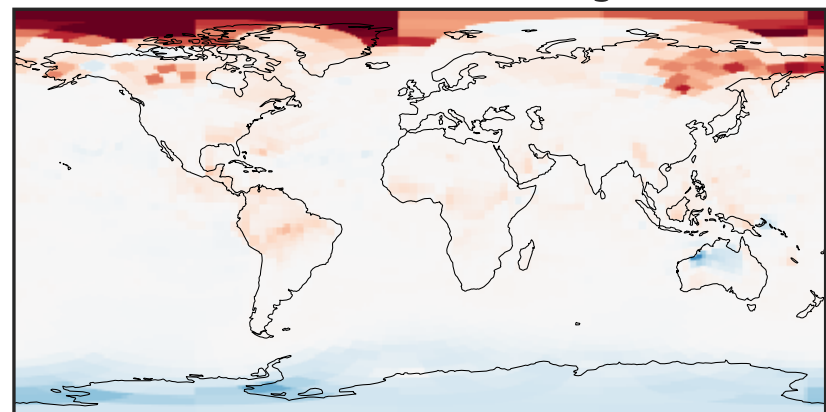
-0.002 0.000 0.002
ppb

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



0.341 0.670 1.000 1.967 2.934
unitless

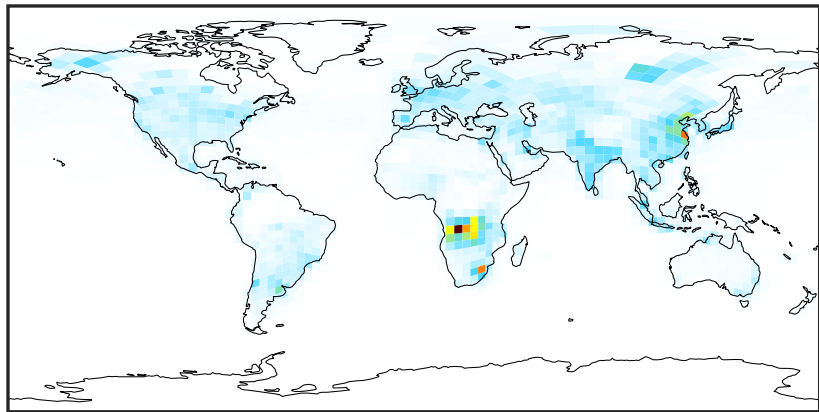
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

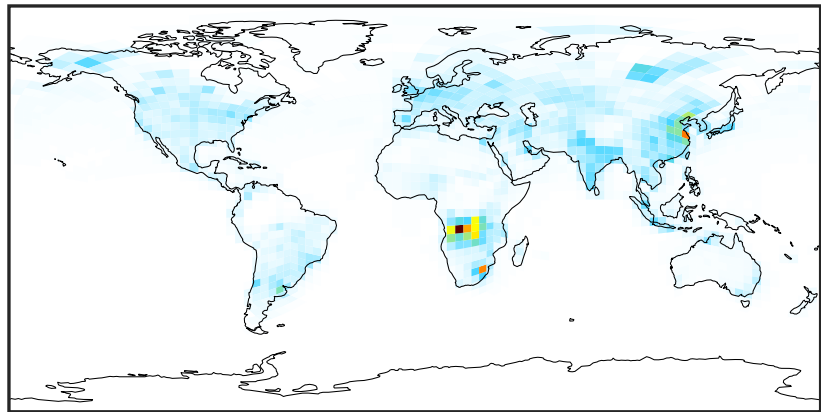
SpeciesConcVV_NO (Jul2019)

14.2.0-rc.2 (Ref)
c24



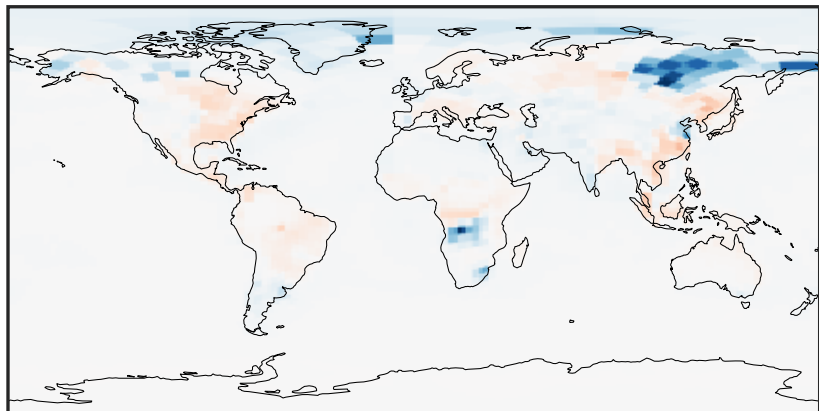
0.000 0.299 0.597 0.896 1.195
ppb

14.3.0-rc.0 (Dev)
c24



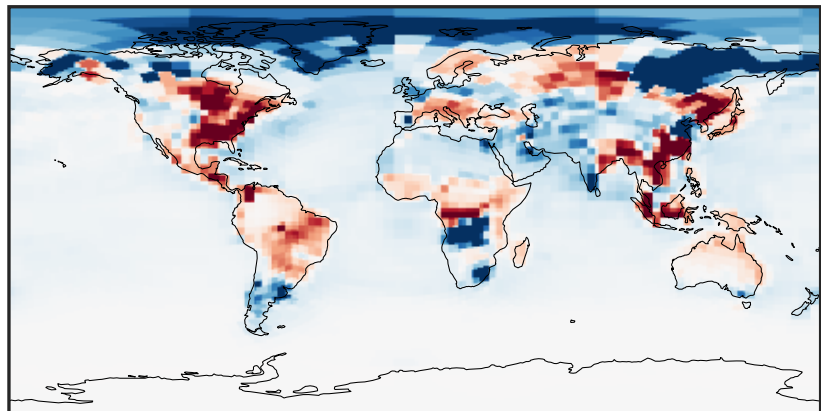
0.000 0.299 0.597 0.896 1.195
ppb

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



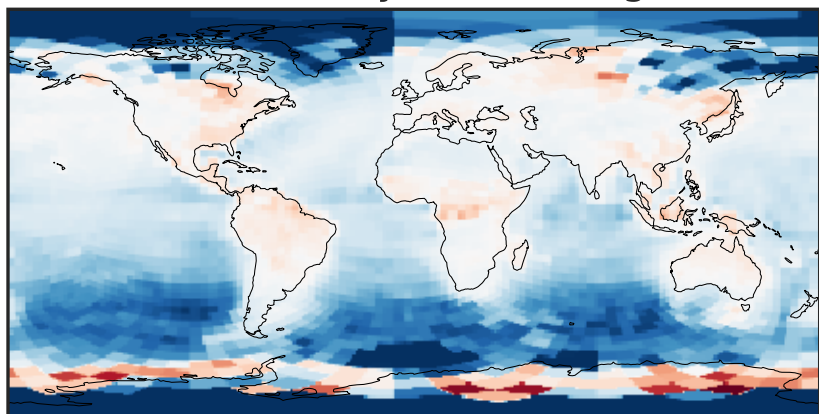
-0.006 0.000 0.006
ppb

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



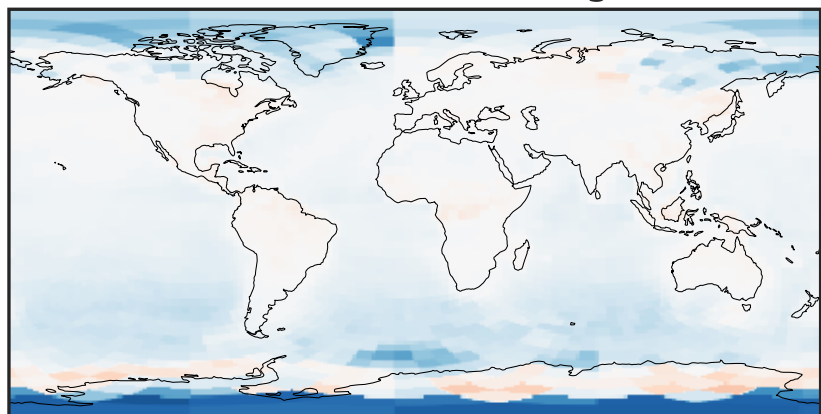
-0.0008 0.0000 0.0008
ppb

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



0.8310 0.9155 1.0000 1.1017 1.2034
unitless

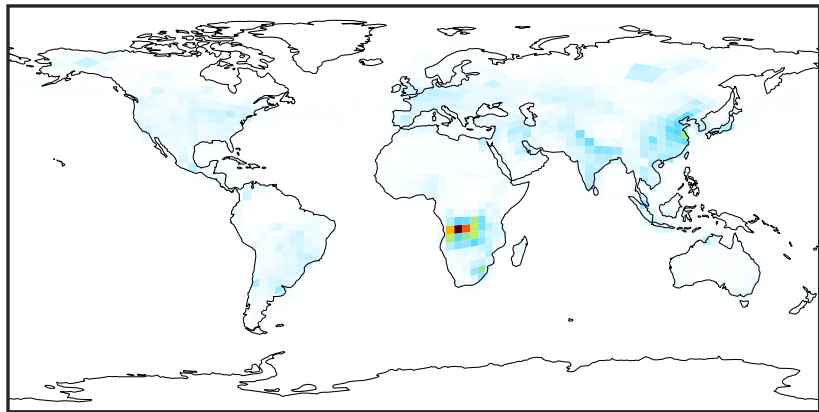
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

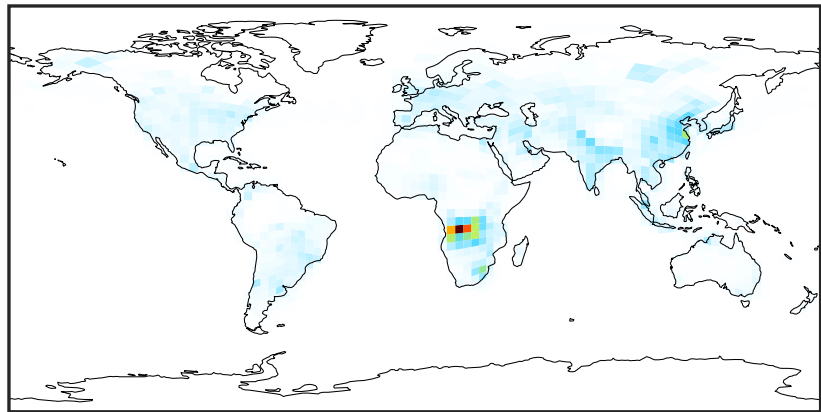
SpeciesConcVV_NO2 (Jul2019)

14.2.0-rc.2 (Ref)
c24



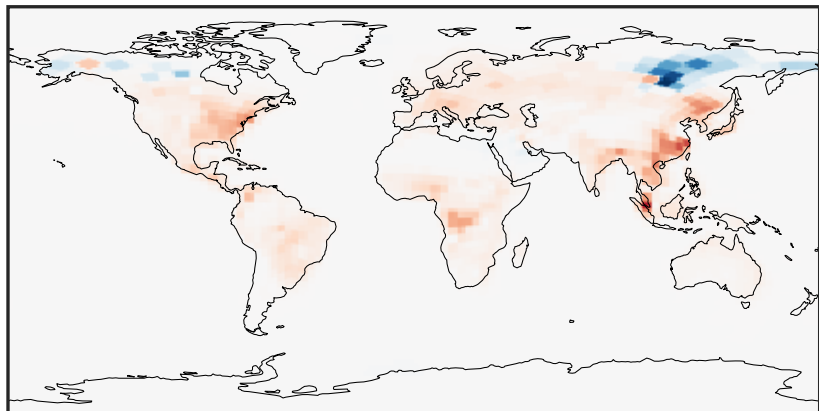
0.00 6.38 12.77 19.15 25.54
ppb

14.3.0-rc.0 (Dev)
c24



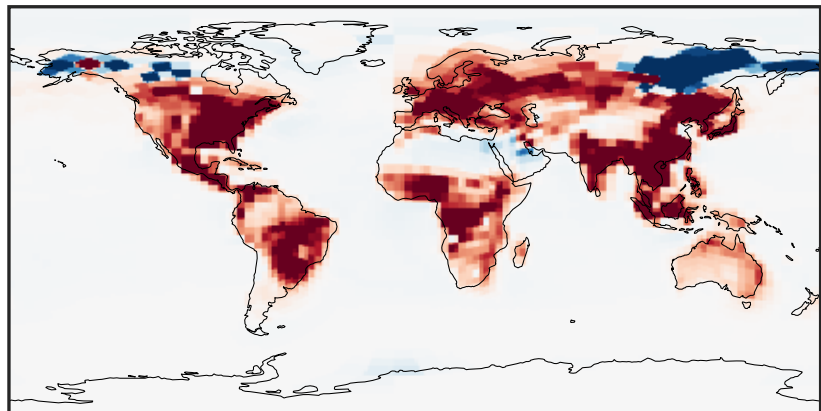
0.00 6.38 12.77 19.15 25.54
ppb

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



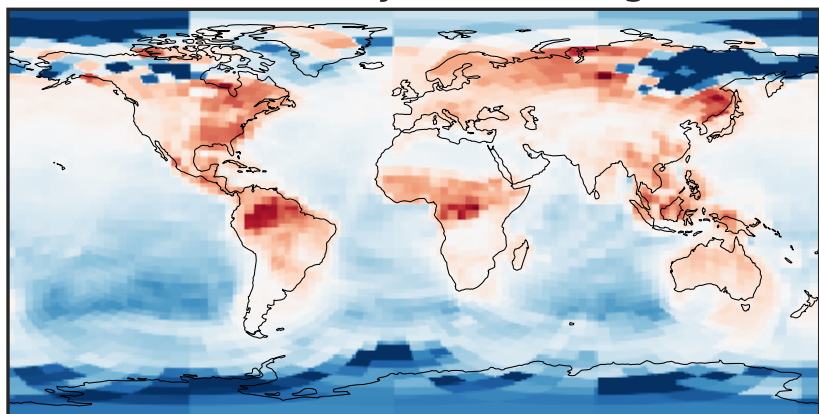
-0.2449 -0.1225 0.0000 0.1225 0.2449
ppb

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



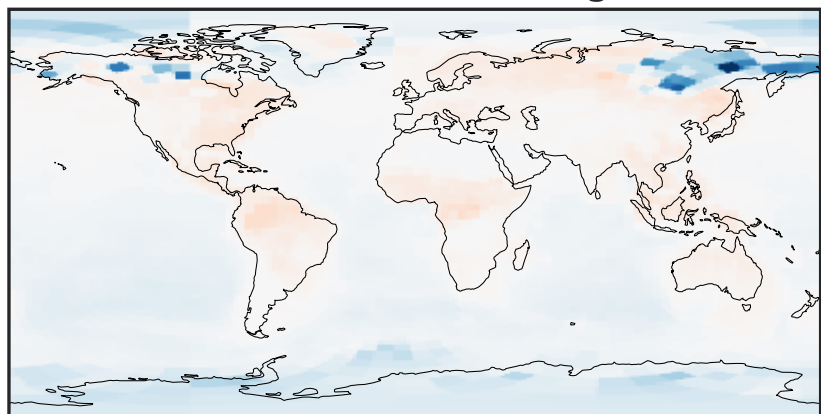
-0.015 0.000 0.015
ppb

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



0.8703 0.9351 1.0000 1.0745 1.1490
unitless

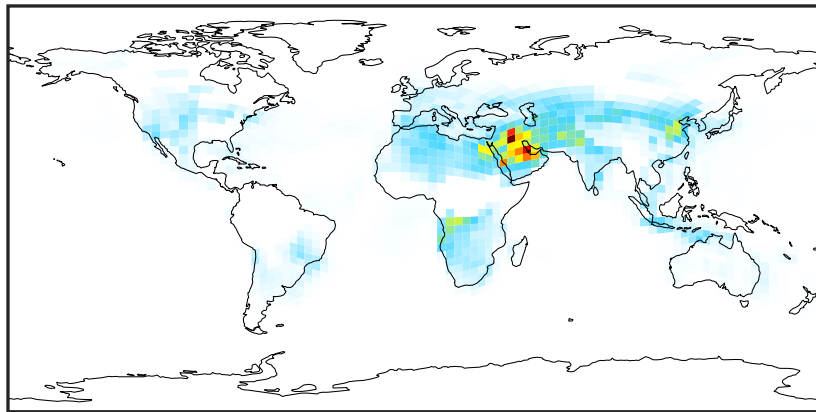
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

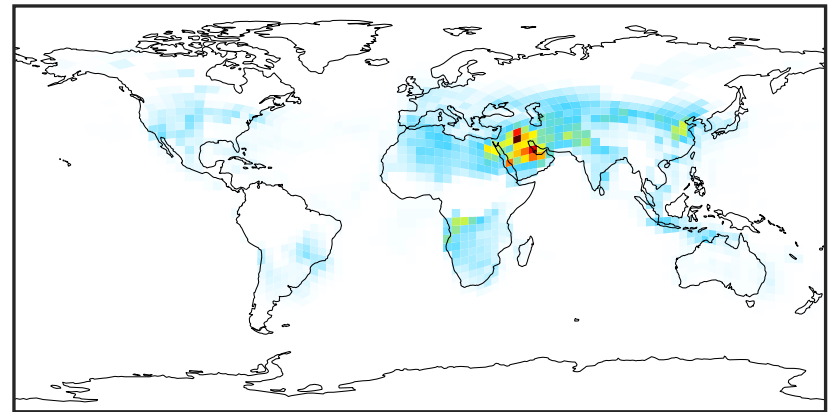
SpeciesConcVV_NO3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



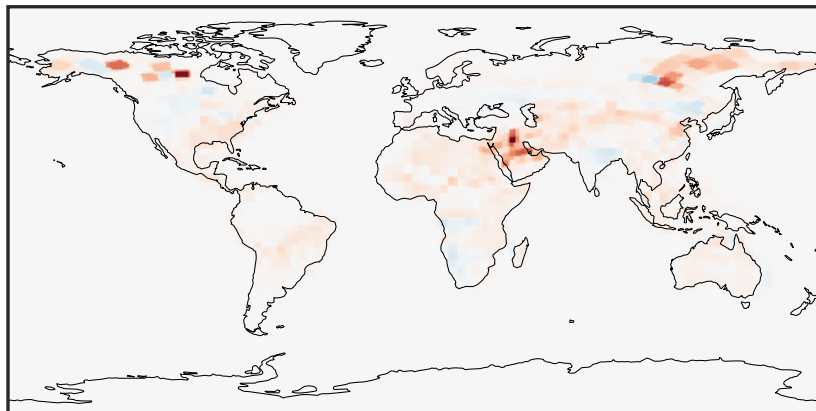
0.0000 0.0279 0.0559 0.0838 0.1117
ppb

14.3.0-rc.0 (Dev)
c24



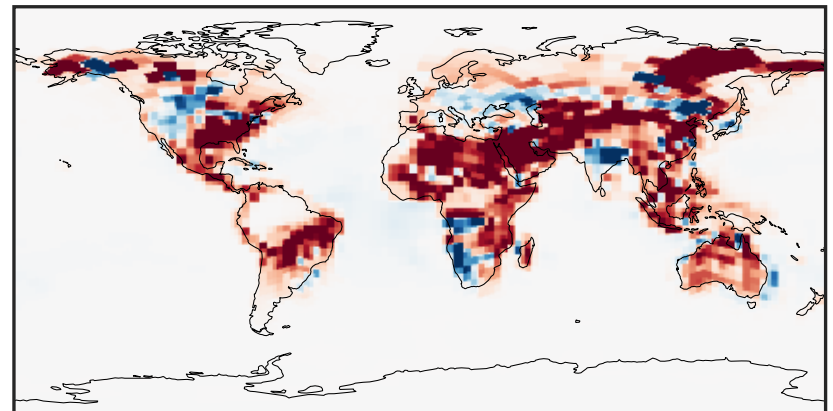
0.0000 0.0279 0.0559 0.0838 0.1117
ppb

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



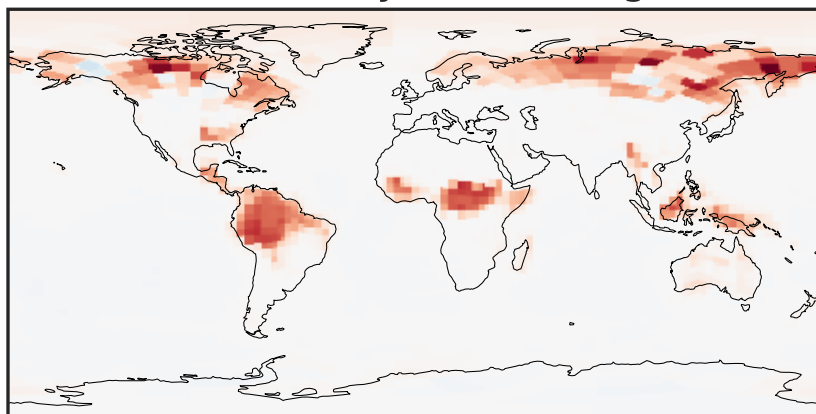
-0.002 0.000 0.002
ppb

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



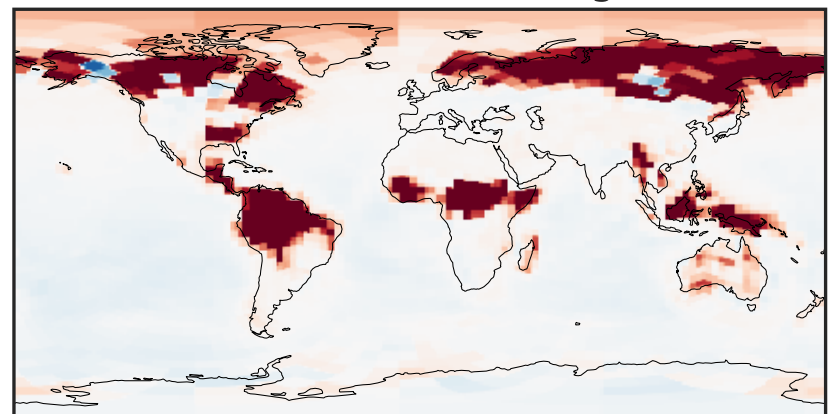
-0.00015 0.00000 0.00015
ppb

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



1e-01 1 10
unitless

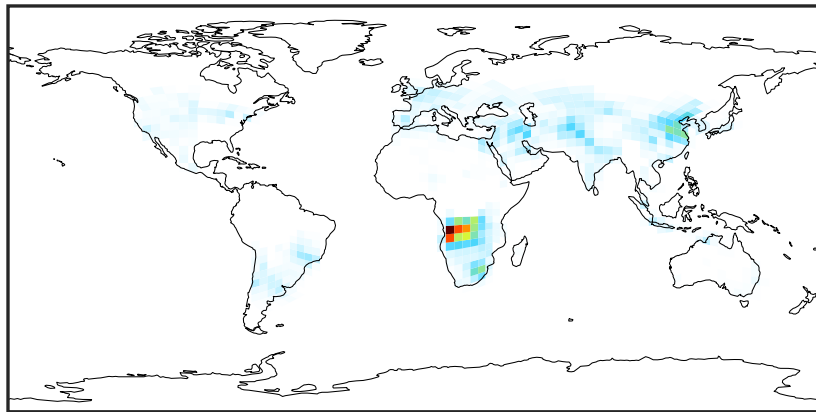
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

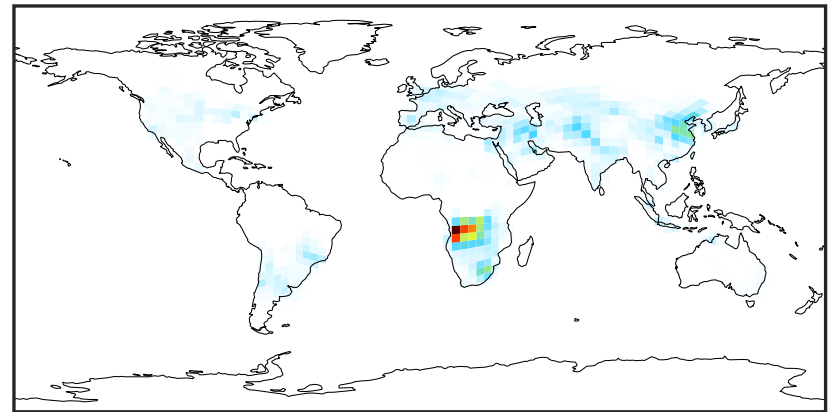
SpeciesConcVV_N2O5 (Jul2019)

14.2.0-rc.2 (Ref)
c24



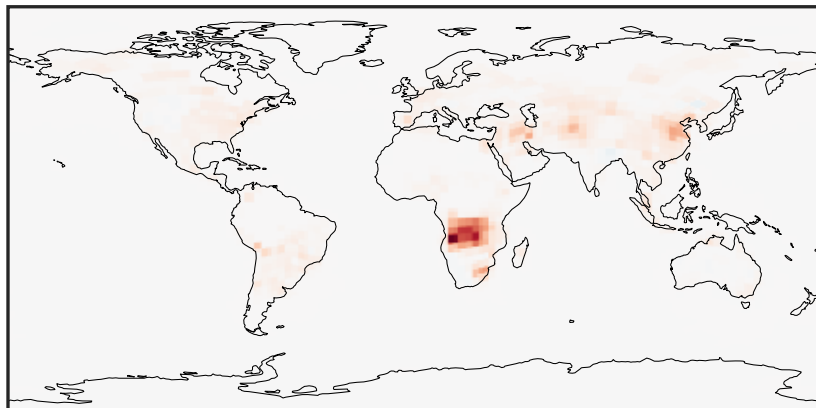
0.0000 0.1757 0.3514 0.5271 0.7028
ppb

14.3.0-rc.0 (Dev)
c24



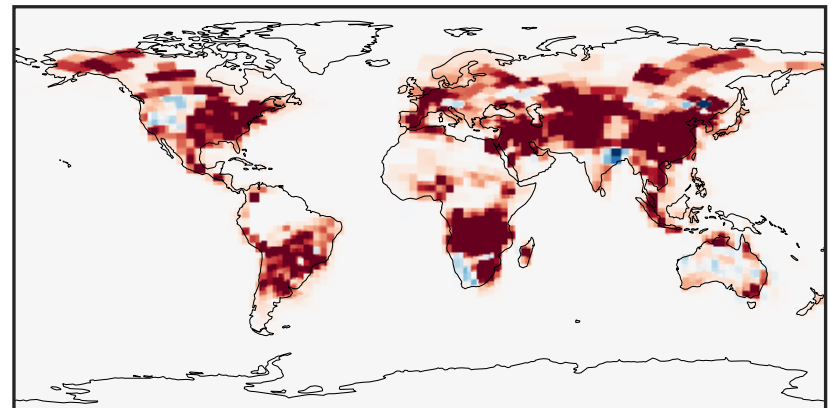
0.0000 0.1757 0.3514 0.5271 0.7028
ppb

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



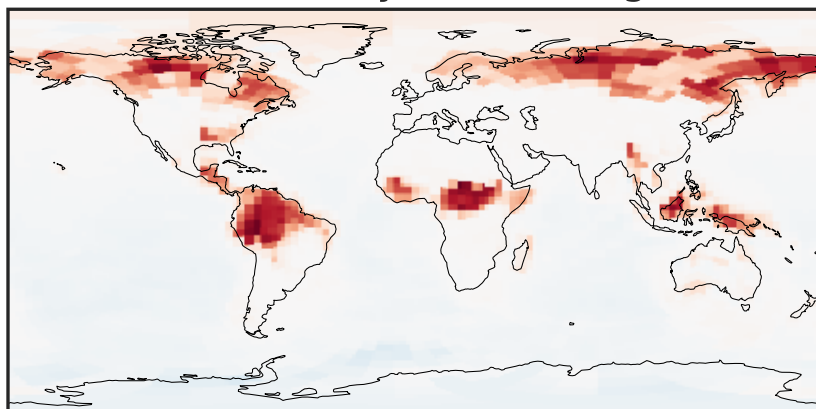
-0.006 0.000 0.006
ppb

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



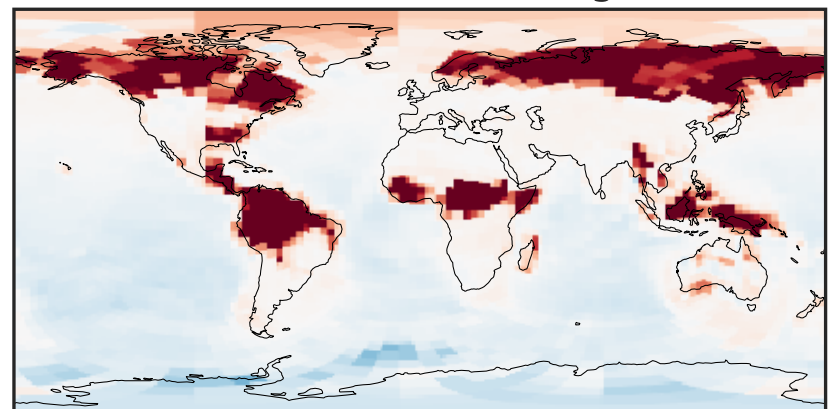
-0.00025 0.00000 0.00025
ppb

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



1e-01 1 10
unitless

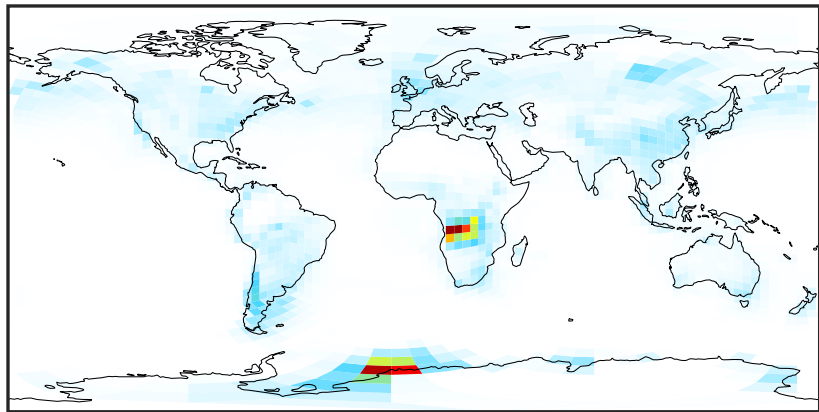
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

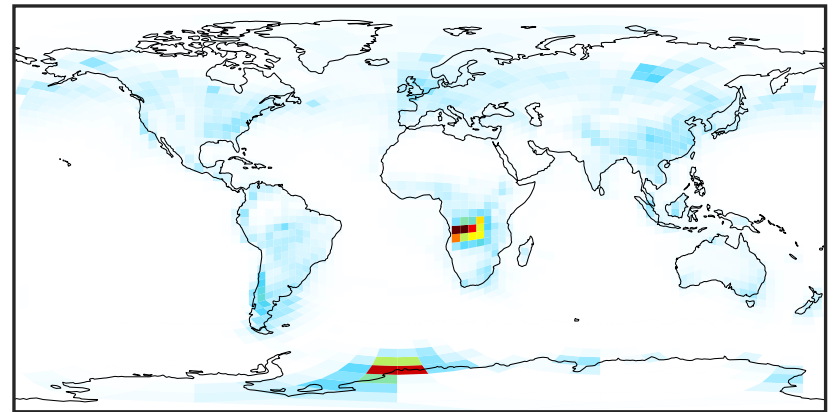
SpeciesConcVV_MPN (Jul2019)

14.2.0-rc.2 (Ref)
c24



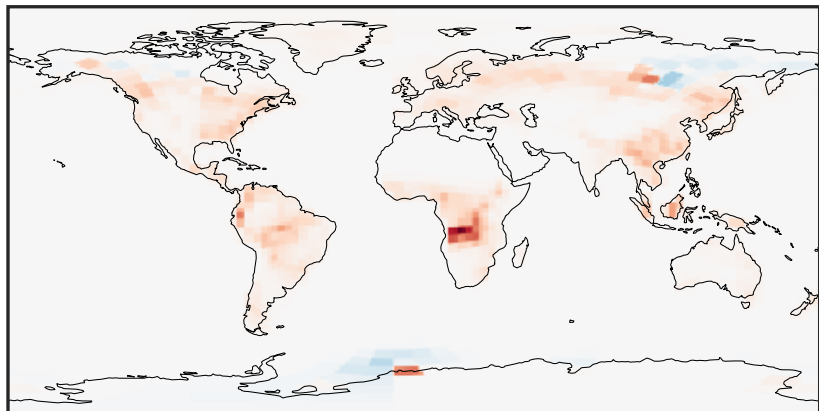
0.0015 0.0030 0.0045
ppb

14.3.0-rc.0 (Dev)
c24



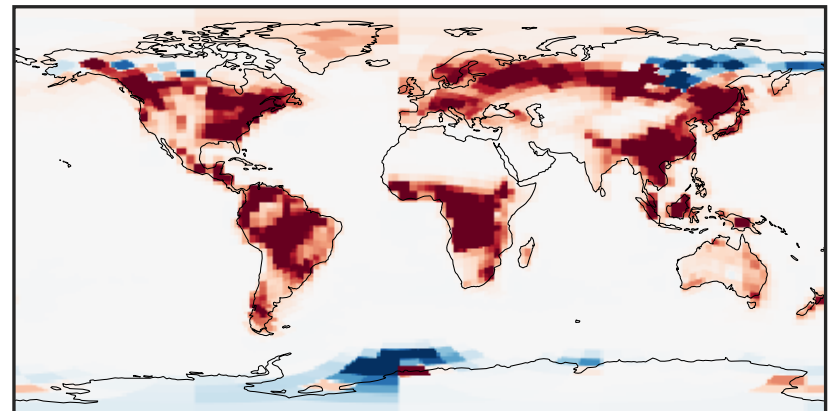
0.0015 0.0030 0.0045
ppb

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



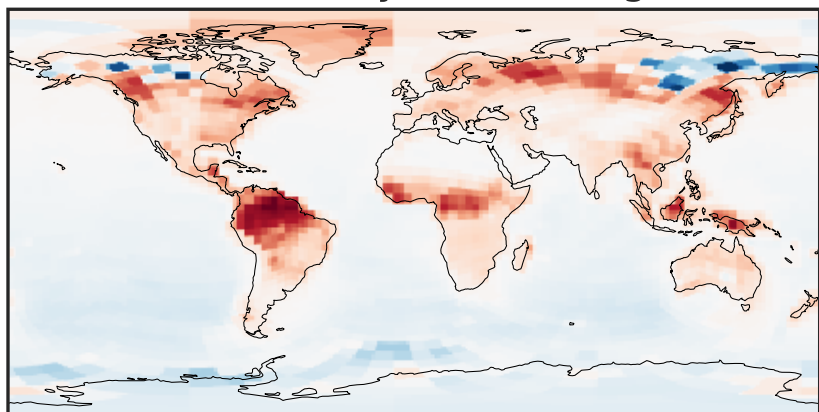
-0.00025 0.00000 0.00025
ppb

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



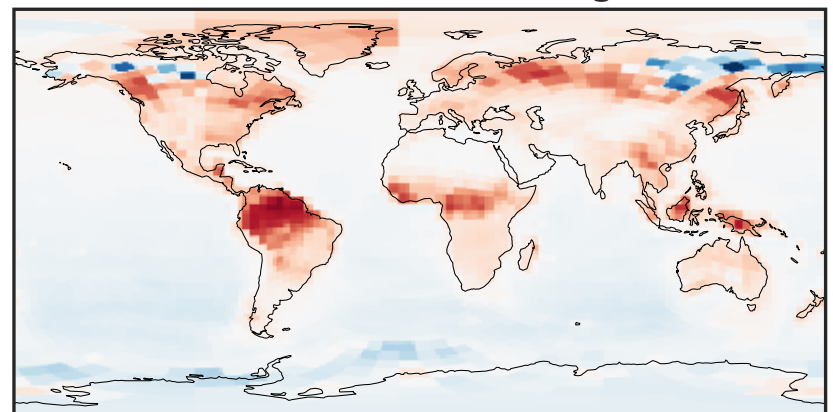
-3 0 3
ppb 1e-5

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



0.532 0.766 1.000 1.440 1.880
unitless

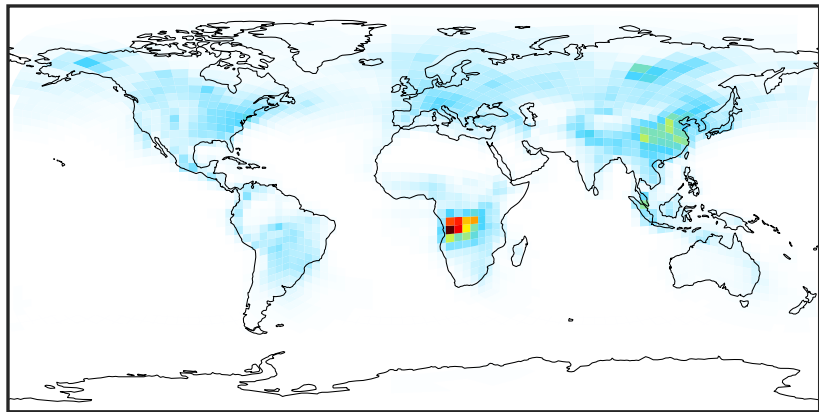
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

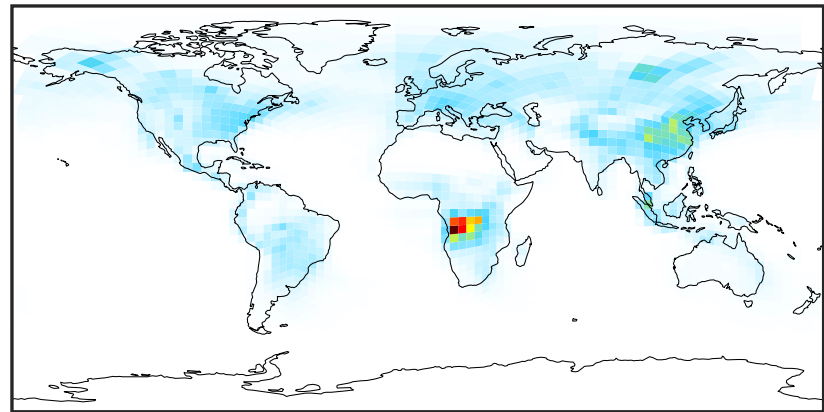
SpeciesConcVV_PAN (Jul2019)

14.2.0-rc.2 (Ref)
c24



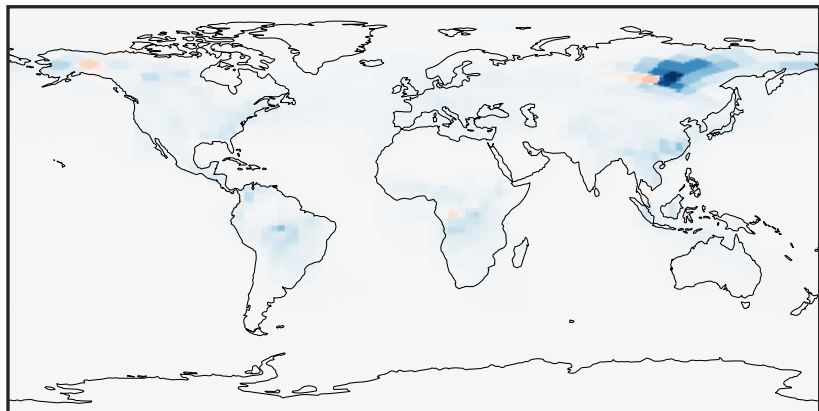
0.000 0.582 1.163 1.744 2.326
ppb

14.3.0-rc.0 (Dev)
c24



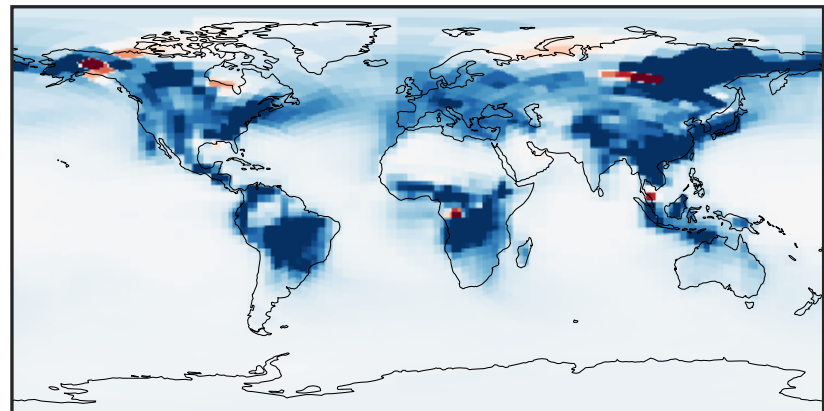
0.000 0.582 1.163 1.744 2.326
ppb

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



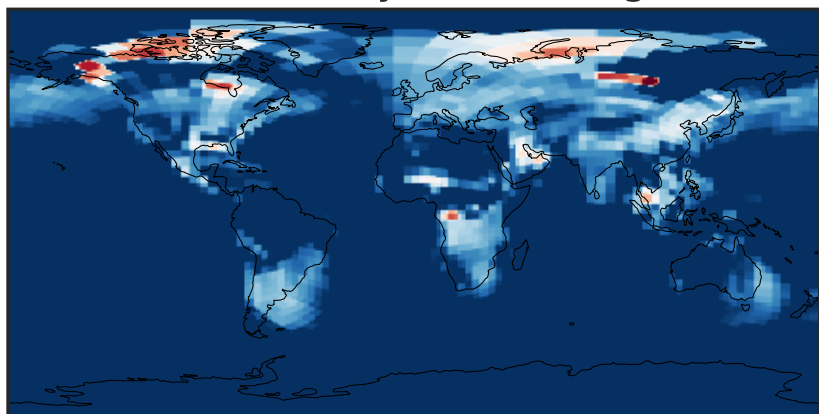
-0.1141 -0.0571 0.0000 0.0571 0.1141
ppb

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



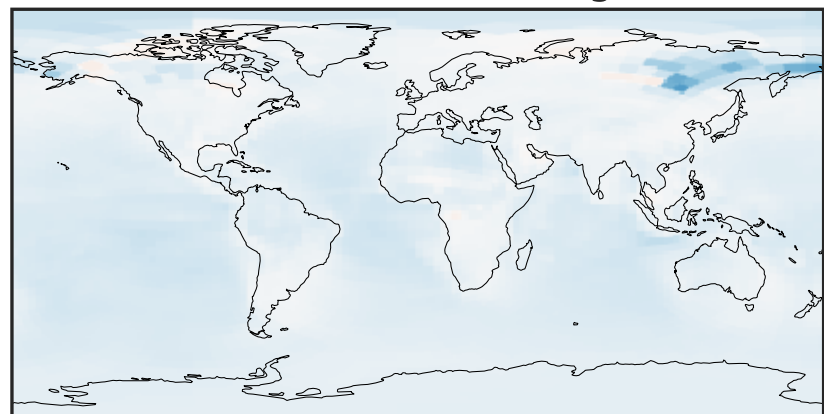
-0.005 0.000 0.005
ppb

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



0.95311 0.97656 1.00000 1.02460 1.04920
unitless

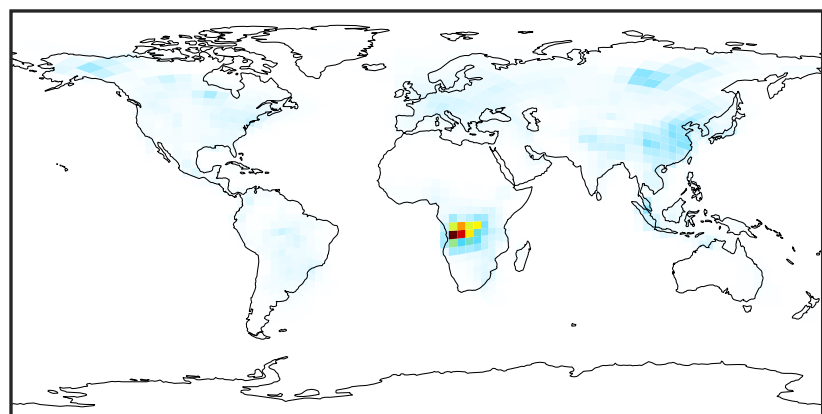
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

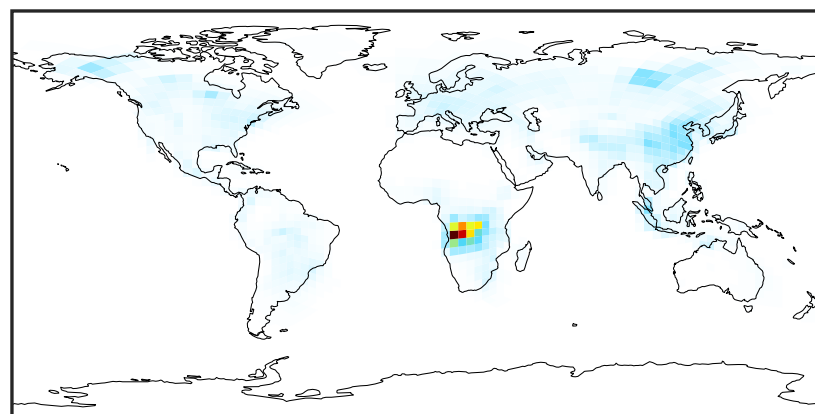
SpeciesConcVV_PPN (Jul2019)

14.2.0-rc.2 (Ref)
c24



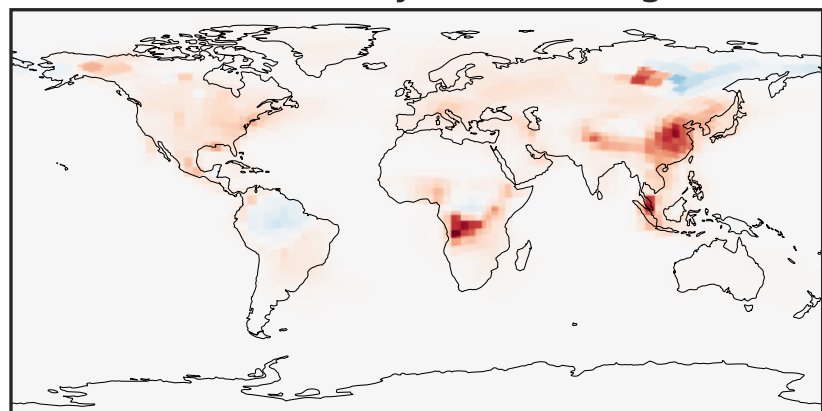
0.00 0.28 0.56 0.84 1.12
ppb

14.3.0-rc.0 (Dev)
c24



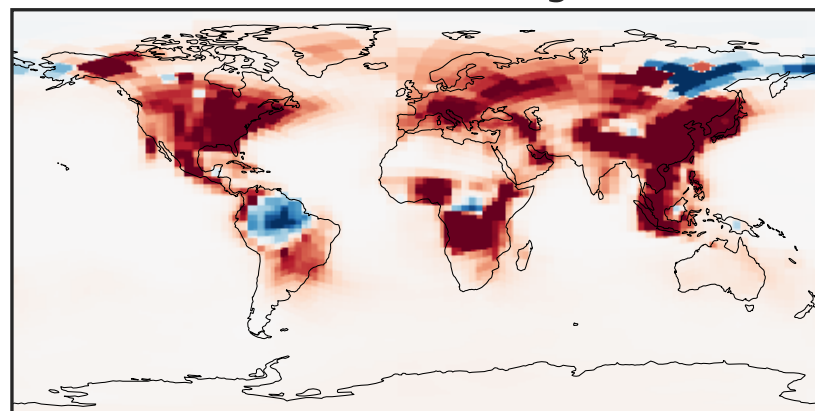
0.00 0.28 0.56 0.84 1.12
ppb

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



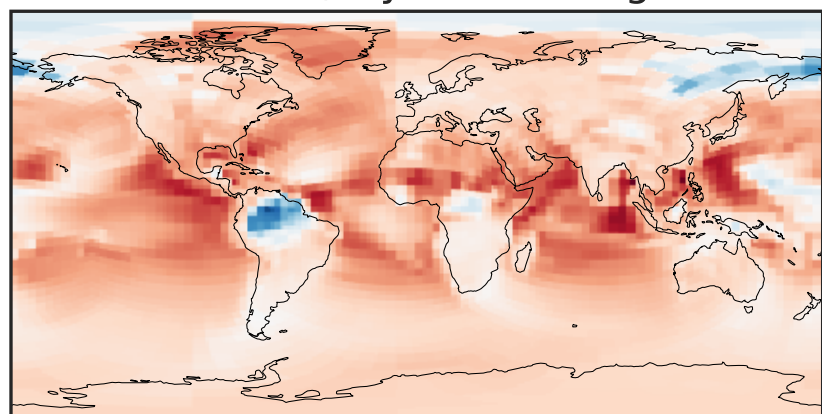
-0.01 0.00 0.01
ppb

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



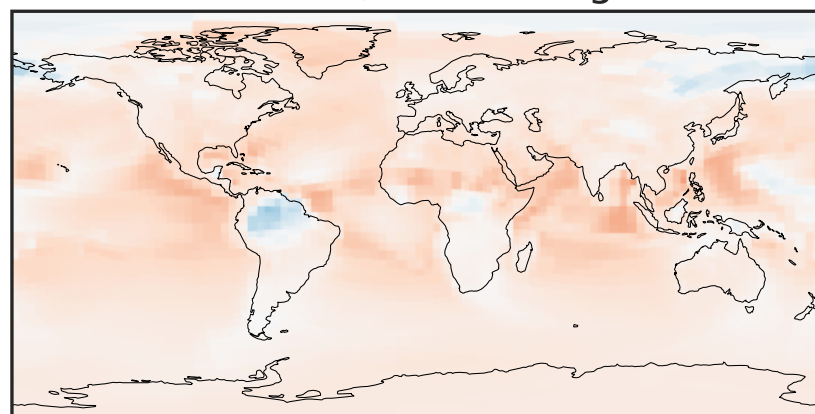
-0.0015 0.0000 0.0015
ppb

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



0.7476 0.8738 1.0000 1.1688 1.3375
unitless

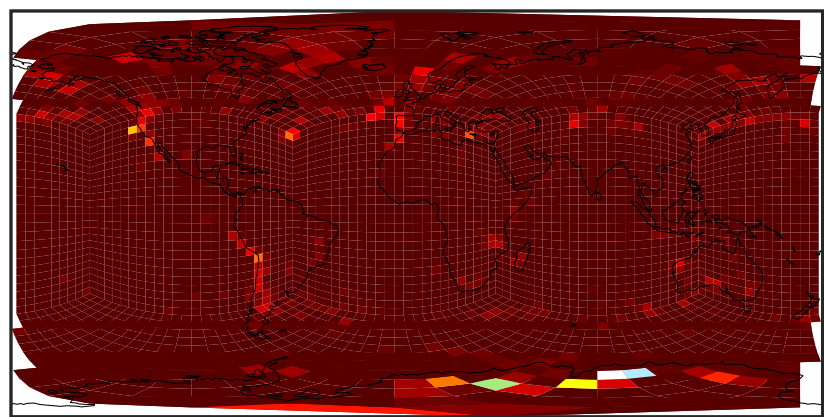
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

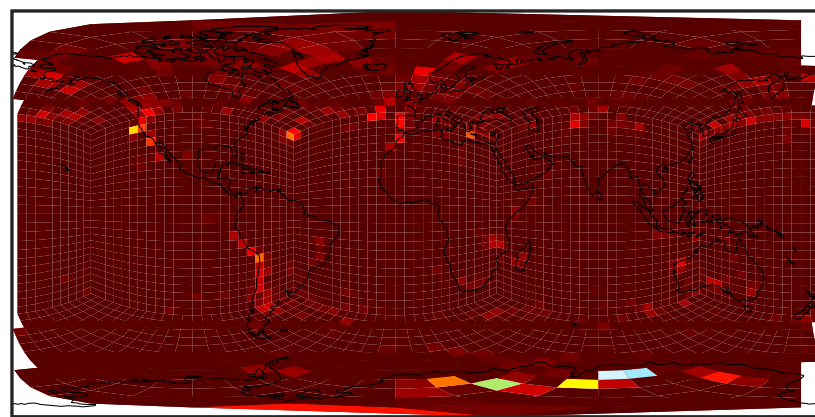
SpeciesConcVV_N2O (Jul2019)

14.2.0-rc.2 (Ref)
c24



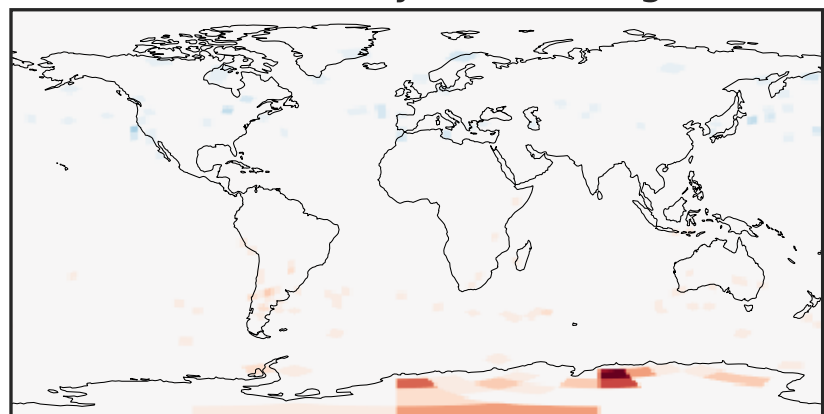
0.004 0.006 0.008
ppb +3.3034e2

14.3.0-rc.0 (Dev)
c24



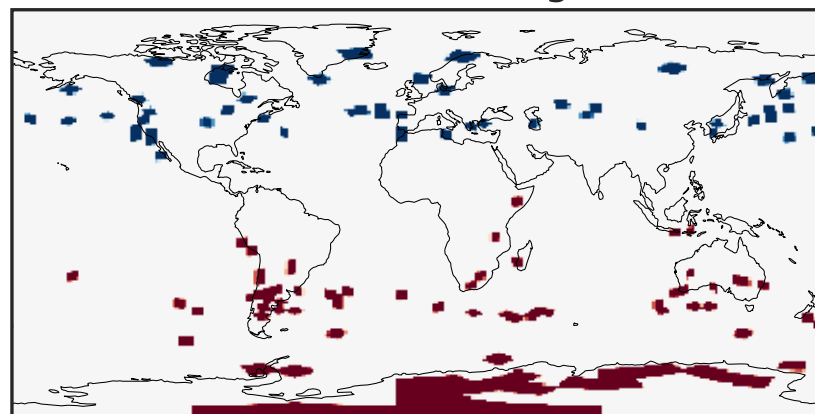
0.004 0.006 0.008
ppb +3.3034e2

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



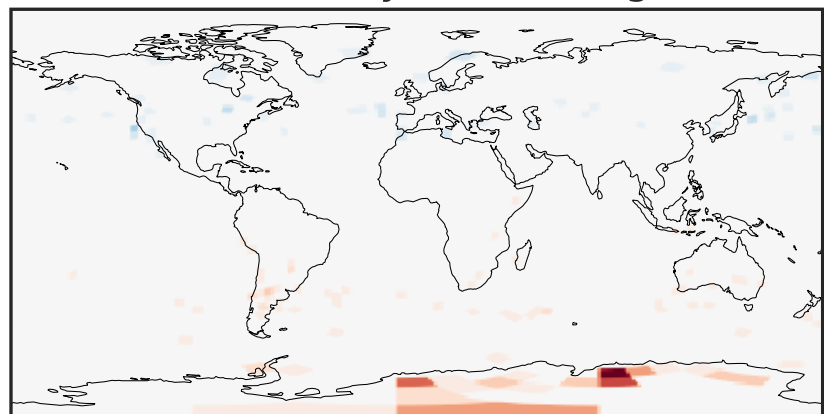
-0.0002 0.0000 0.0002
ppb

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



-4 0 4
ppb 1e-6

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



0.999998891 1.000000000 1.000001109
unitless

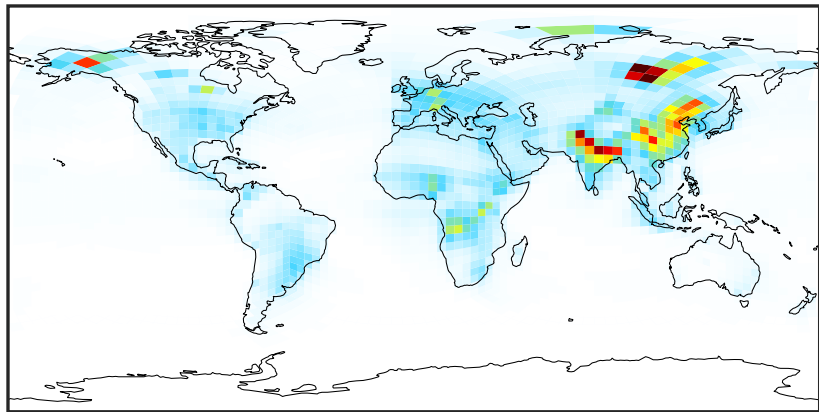
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

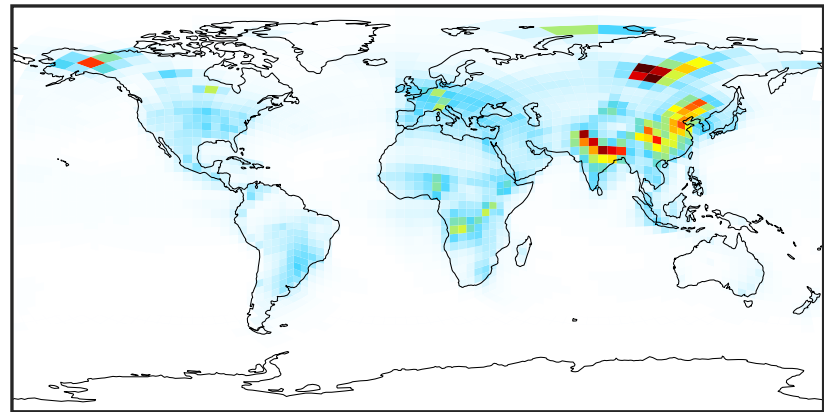
SpeciesConcVV_NHx (Jul2019)

14.2.0-rc.2 (Ref)
c24



0.01 6.01 12.01 18.01 24.01
ppb

14.3.0-rc.0 (Dev)
c24



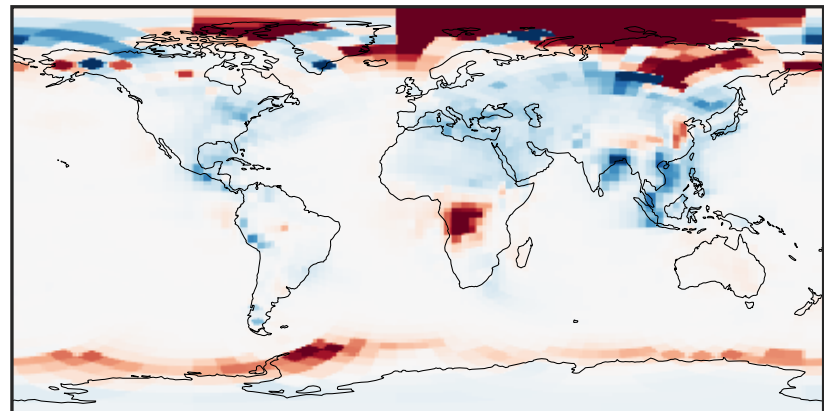
0.01 6.01 12.01 18.01 24.01
ppb

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



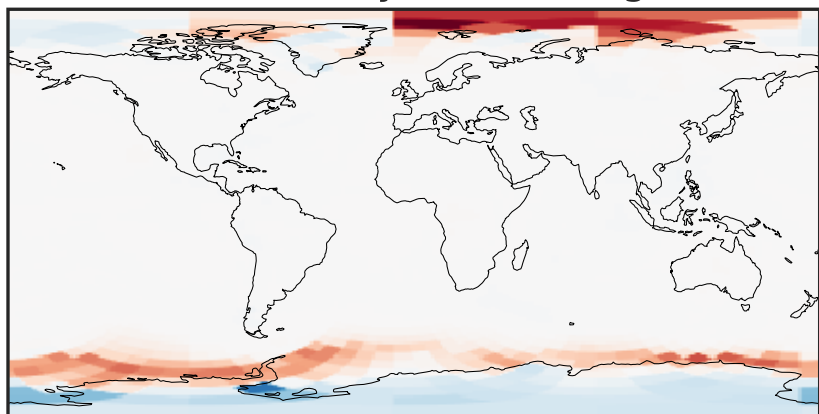
-1.318 -0.659 0.000 0.659 1.318
ppb

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



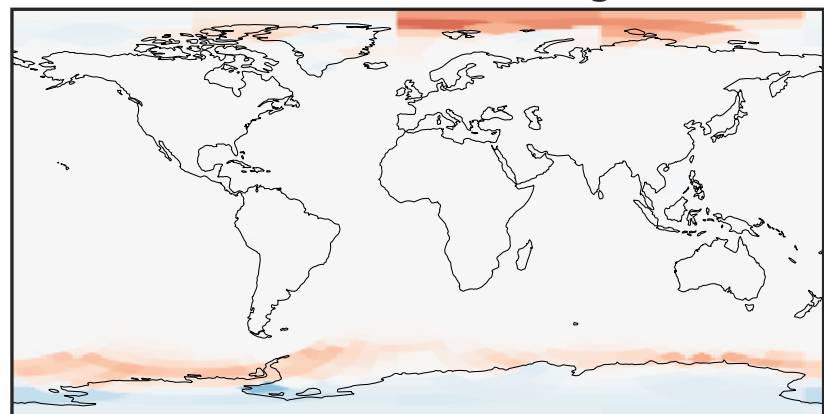
-0.008 0.000 0.008
ppb

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



0.6776 0.8388 1.0000 1.2379 1.4758
unitless

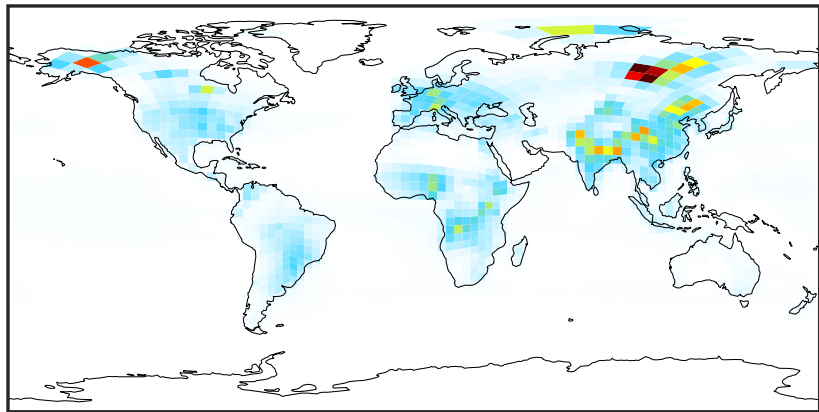
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

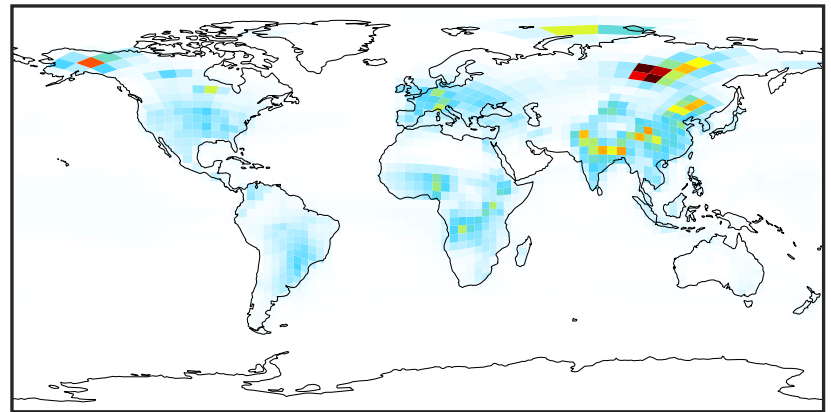
SpeciesConcVV_NH3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



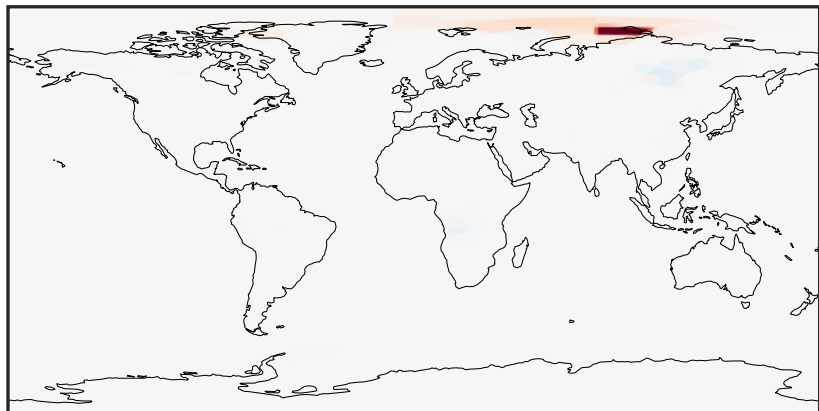
0.00 4.89 9.77 14.66 19.54
ppb

14.3.0-rc.0 (Dev)
c24



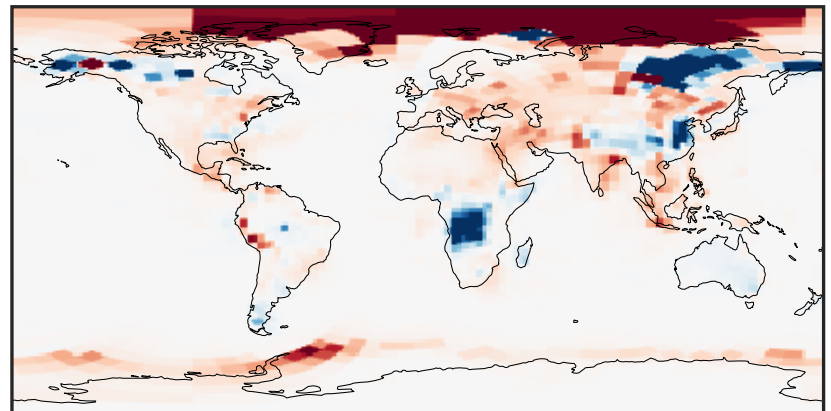
0.00 4.89 9.77 14.66 19.54
ppb

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



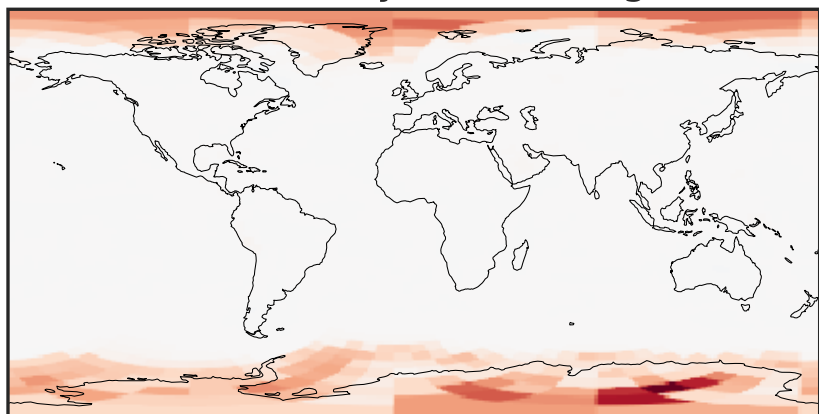
-1.332 -0.666 0.000 0.666 1.332
ppb

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



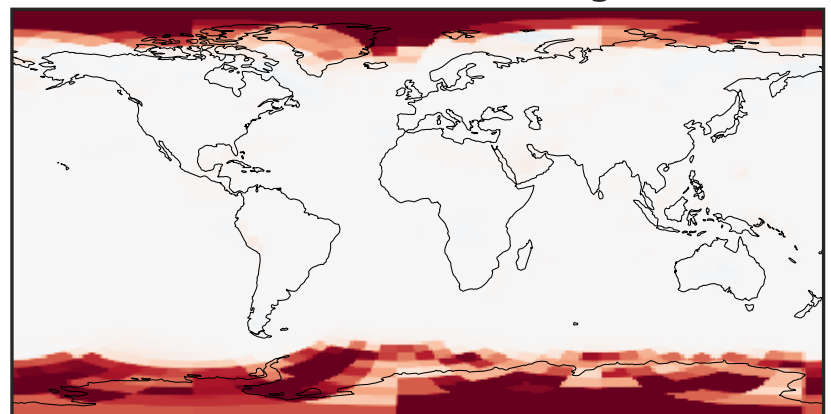
-0.008 0.000 0.008
ppb

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



0.105 0.552 1.000 5.279 9.558
unitless

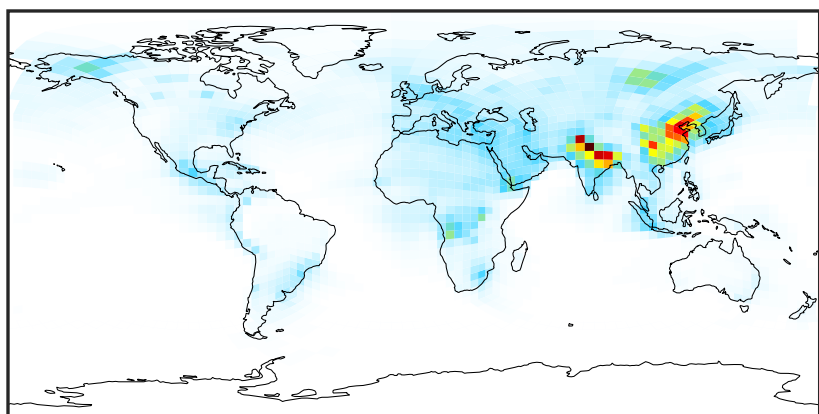
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

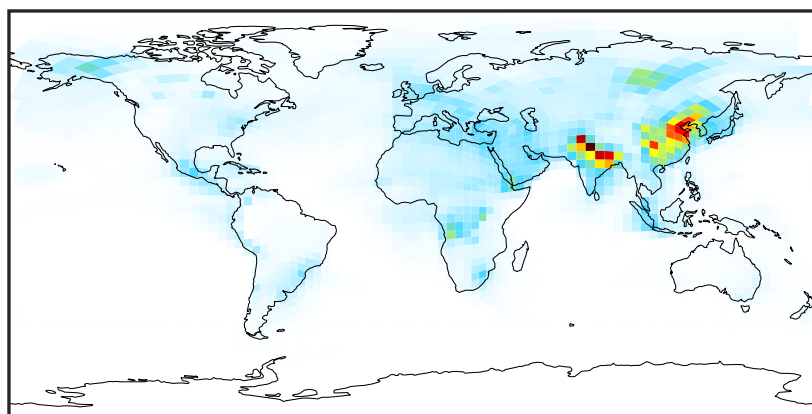
SpeciesConcVV_NH4 (Jul2019)

14.2.0-rc.2 (Ref)
c24



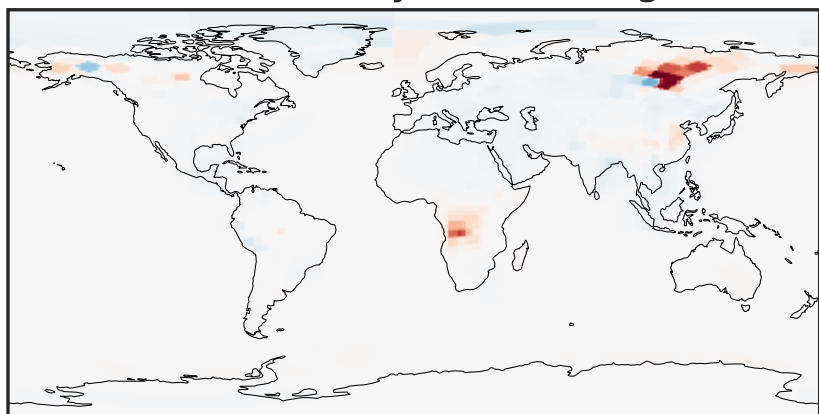
0.00 3.05 6.09 9.14 12.19
ppb

14.3.0-rc.0 (Dev)
c24



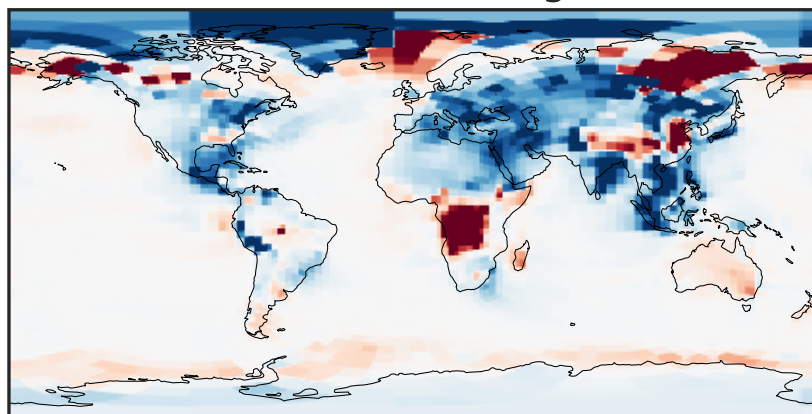
0.00 3.05 6.09 9.14 12.19
ppb

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



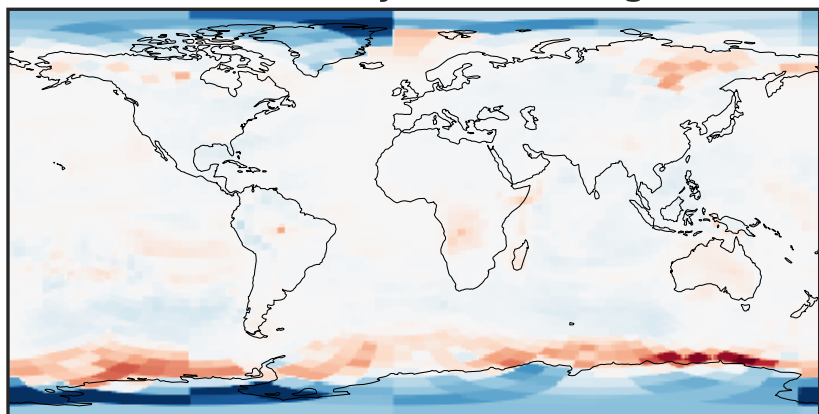
-0.1778 -0.0889 0.0000 0.0889 0.1778
ppb

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



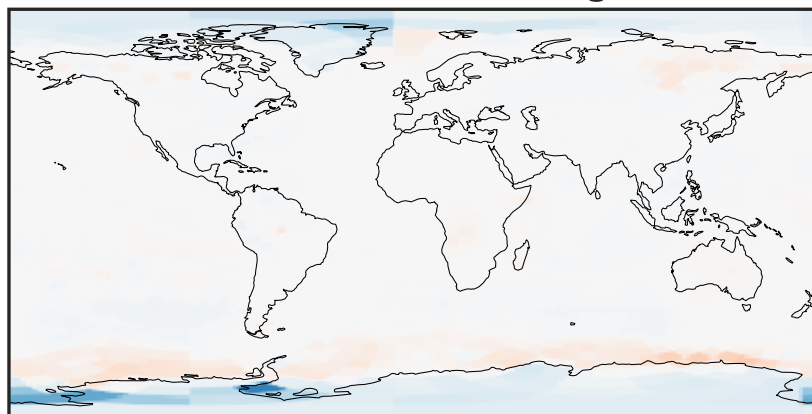
-0.005 0.000 0.005
ppb

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



0.8364 0.9182 1.0000 1.0978 1.1956
unitless

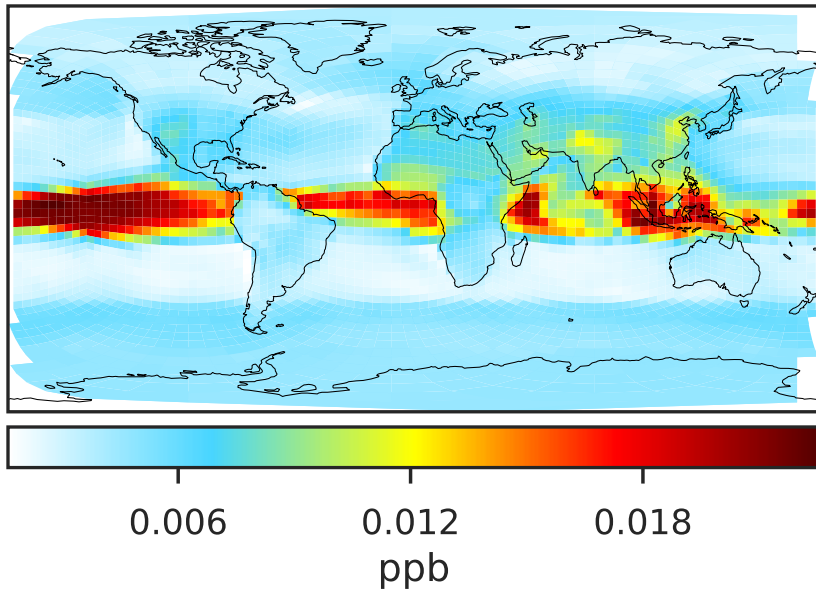
Ratio (1x1.25)
Dev/Ref, Fixed Range



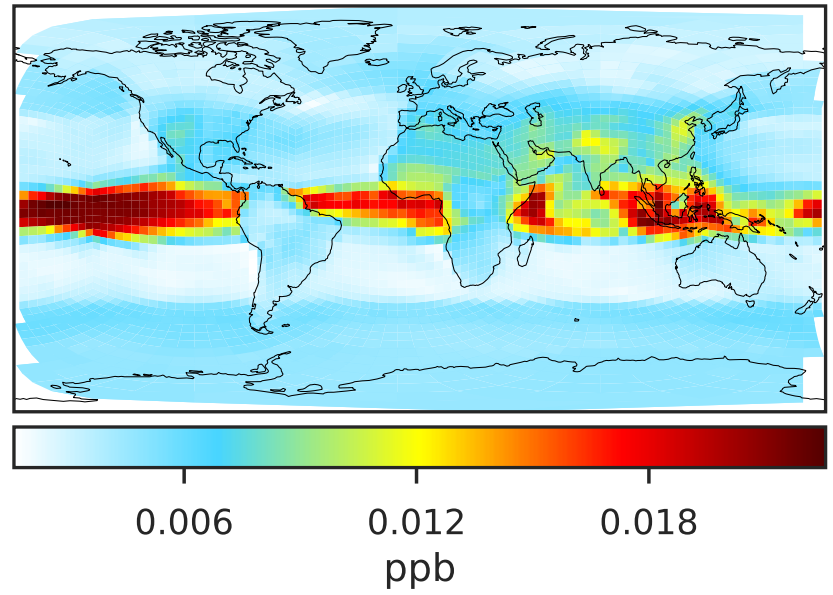
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVW_MENO3 (Jul2019)

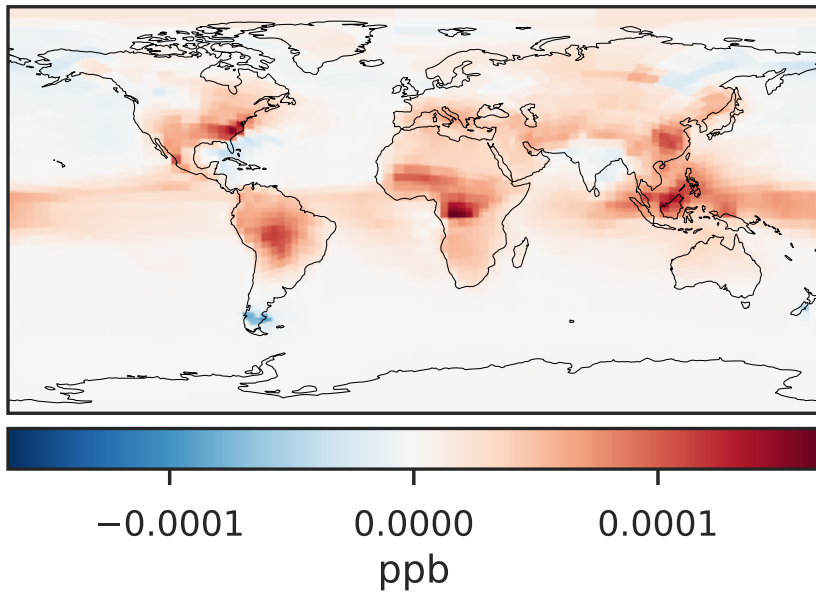
14.2.0-rc.2 (Ref)
c24



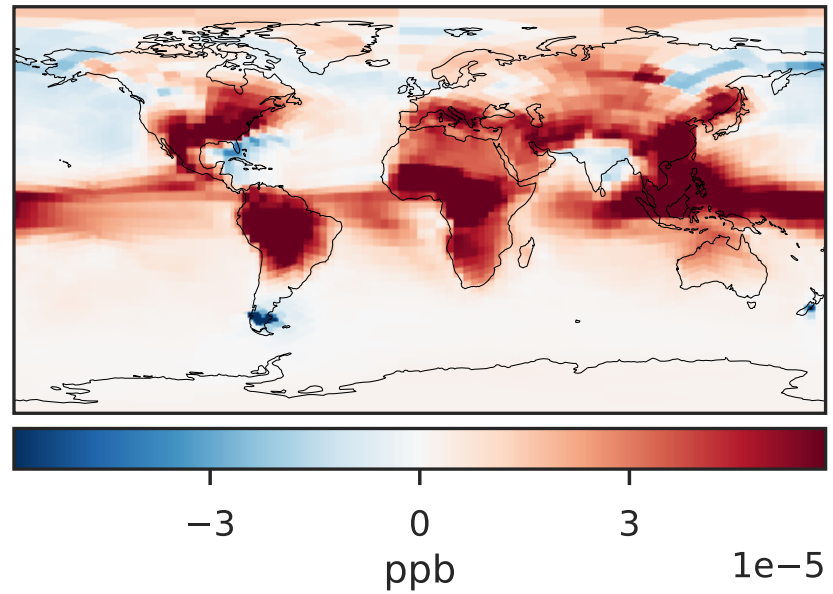
14.3.0-rc.0 (Dev)
c24



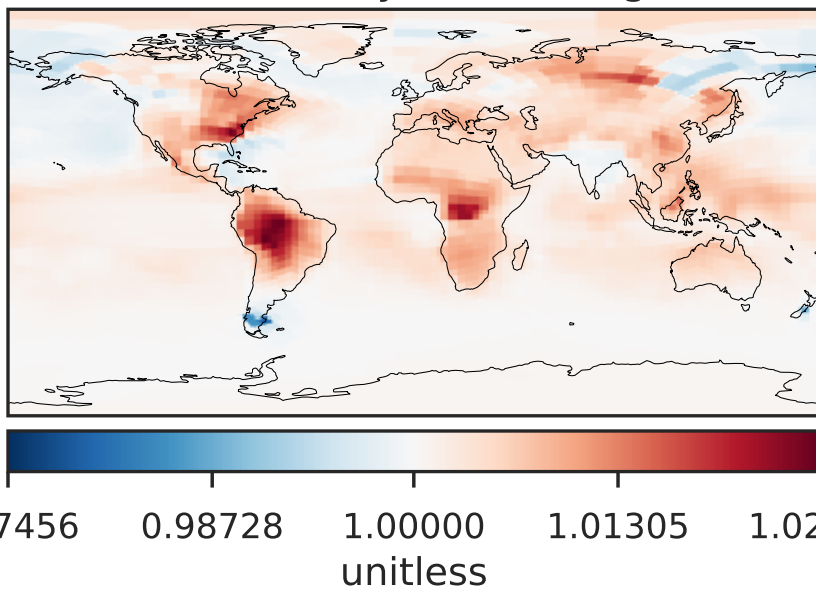
Difference (1x1.25)
Dev - Ref, Dynamic Range



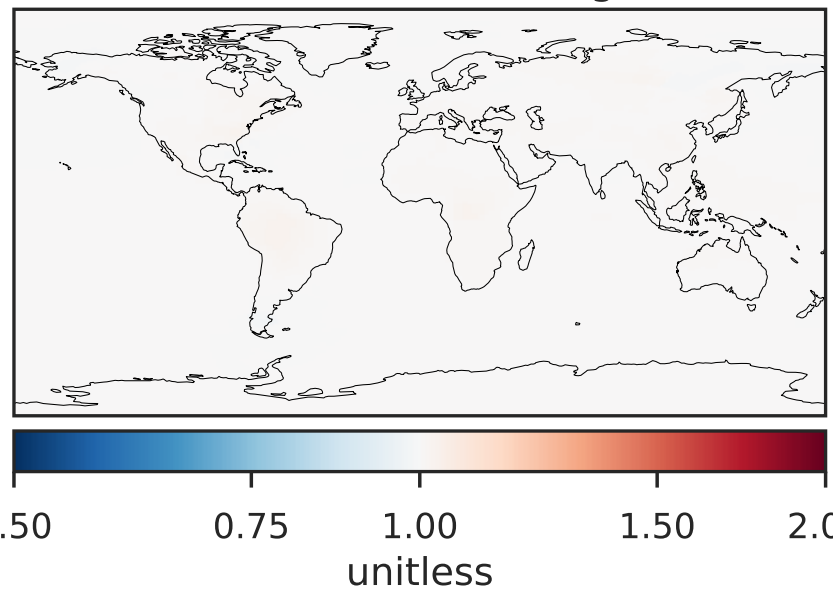
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

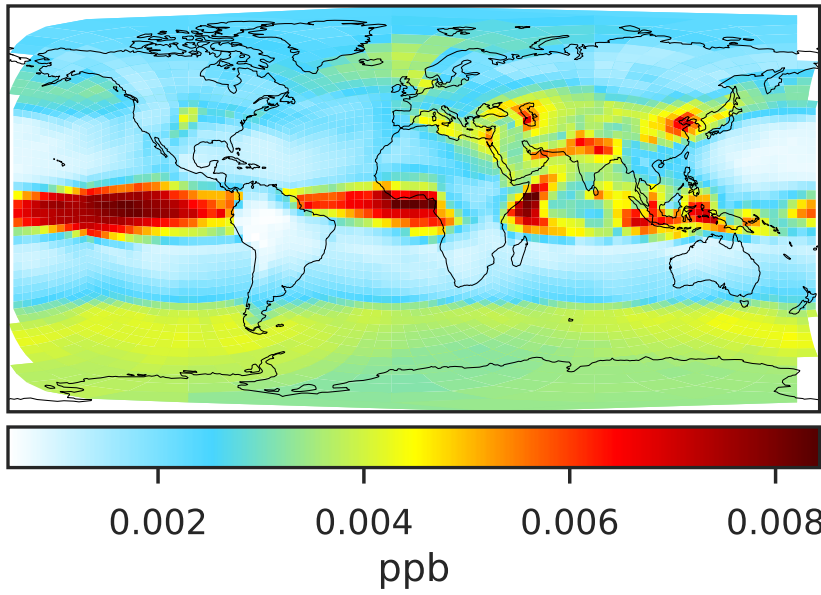


Ratio (1x1.25)
Dev/Ref, Fixed Range

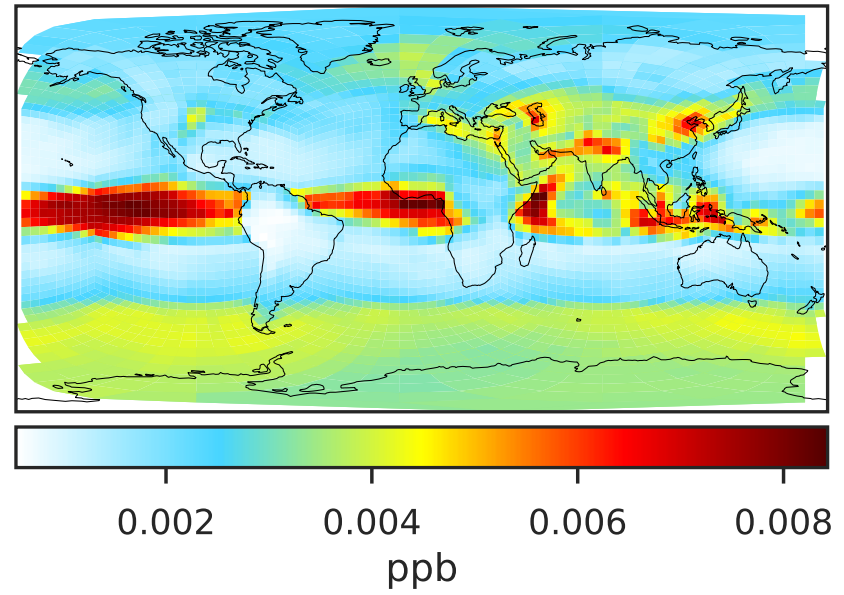


SpeciesConcVV_ETNO3 (Jul2019)

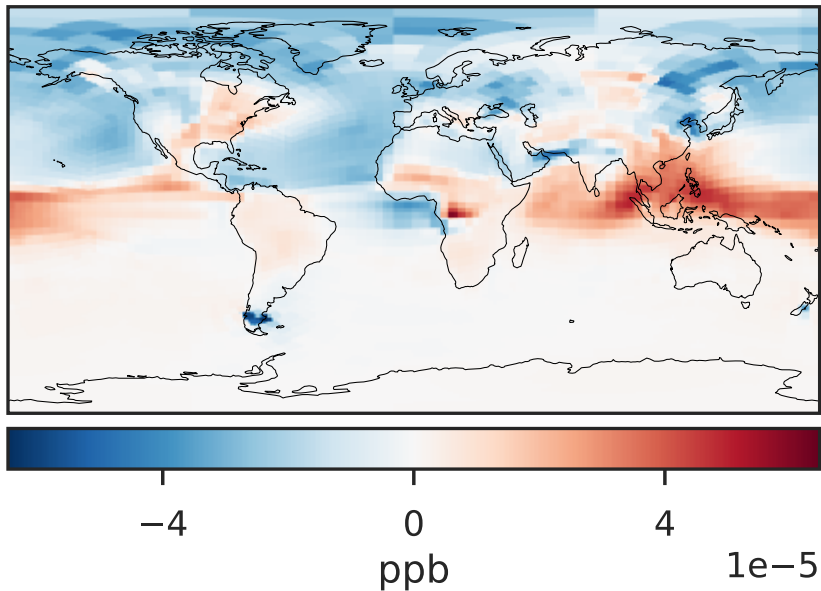
14.2.0-rc.2 (Ref)
c24



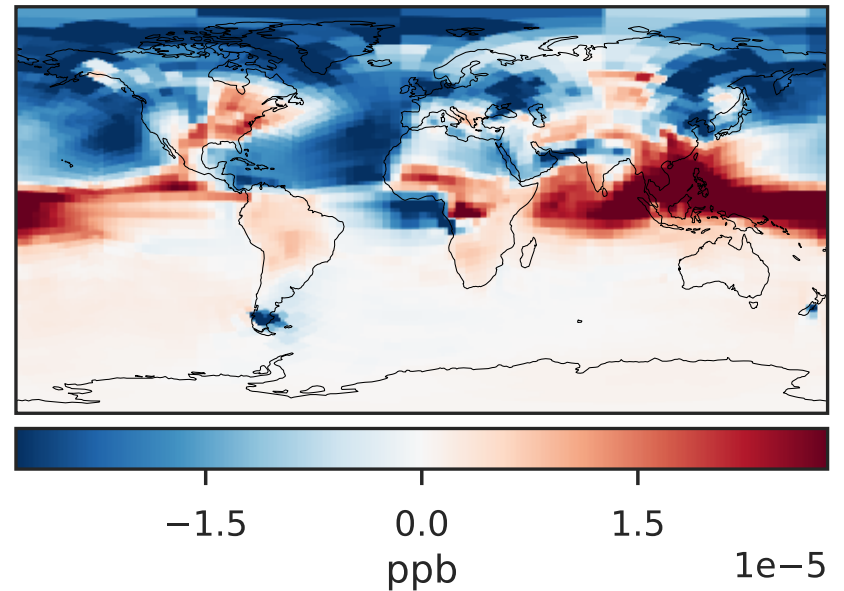
14.3.0-rc.0 (Dev)
c24



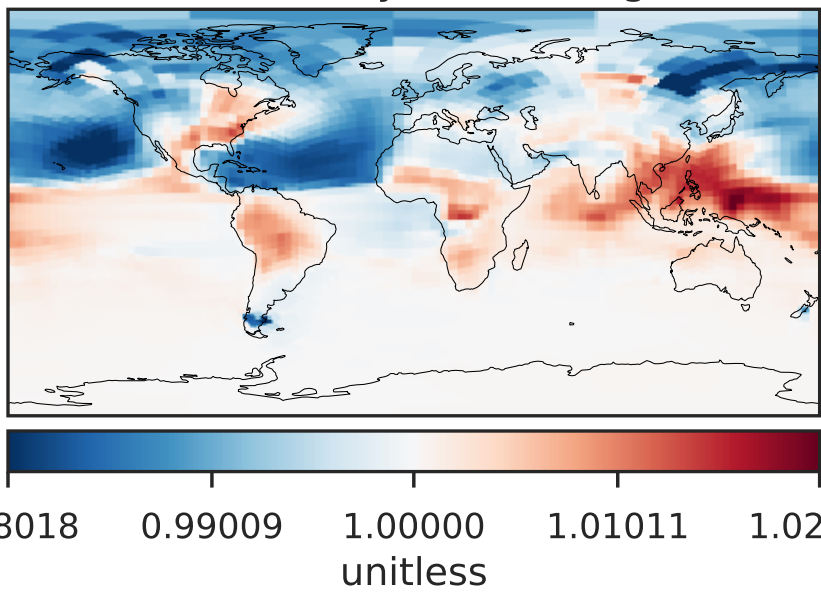
Difference (1x1.25)
Dev - Ref, Dynamic Range



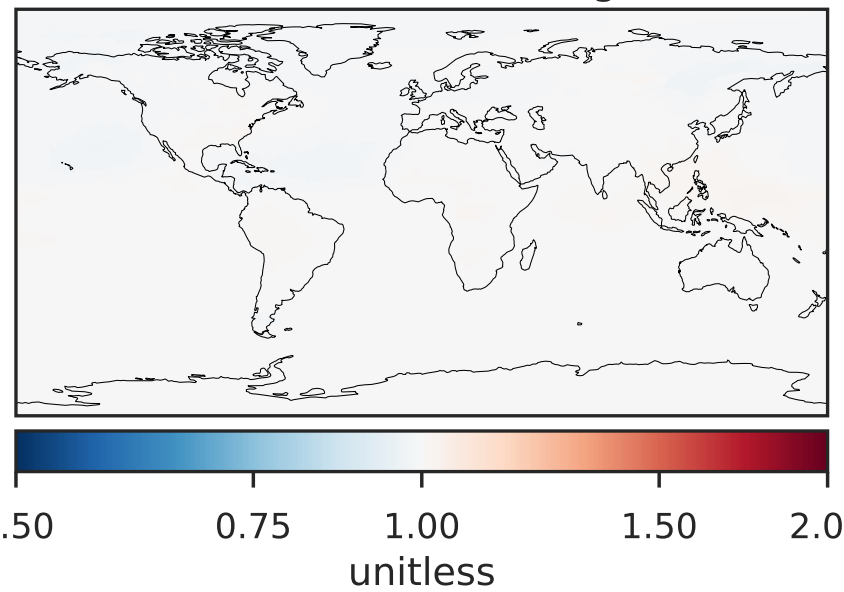
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

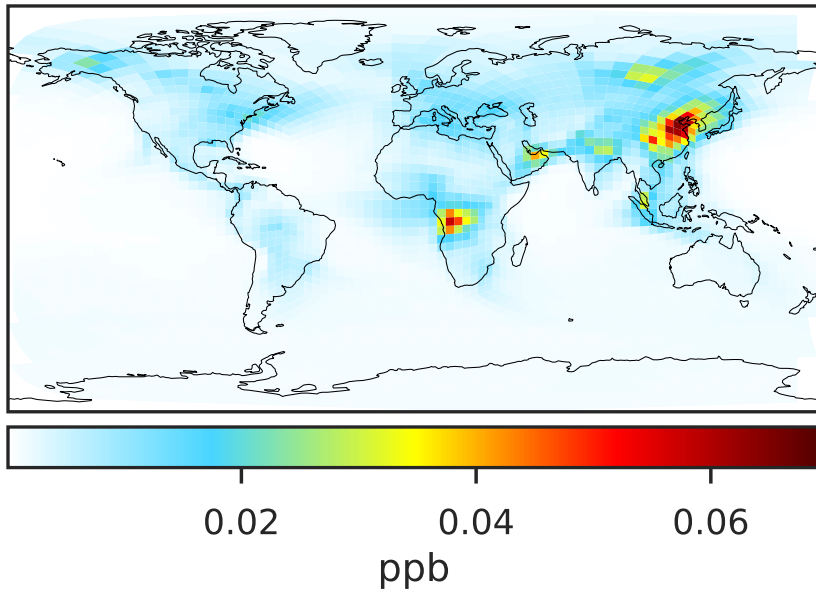


Ratio (1x1.25)
Dev/Ref, Fixed Range

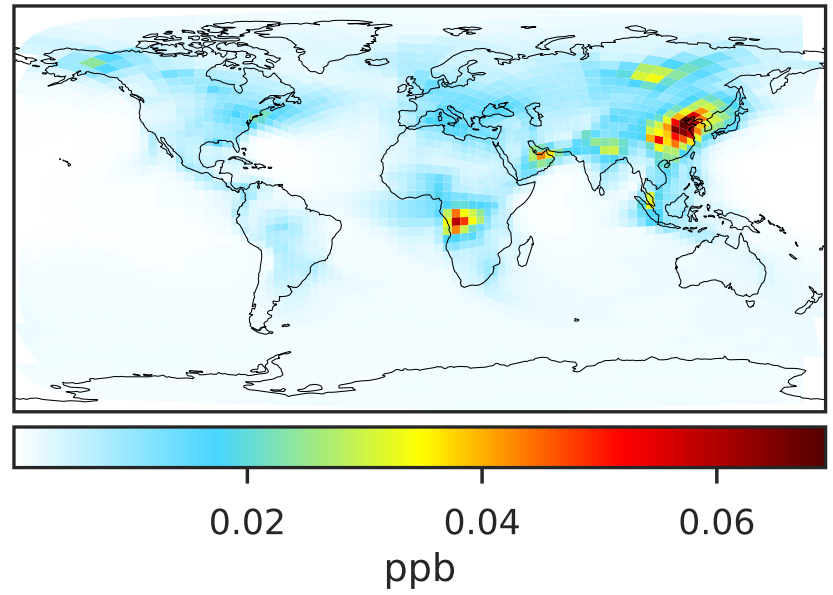


SpeciesConcVV_IPRNO3 (Jul2019)

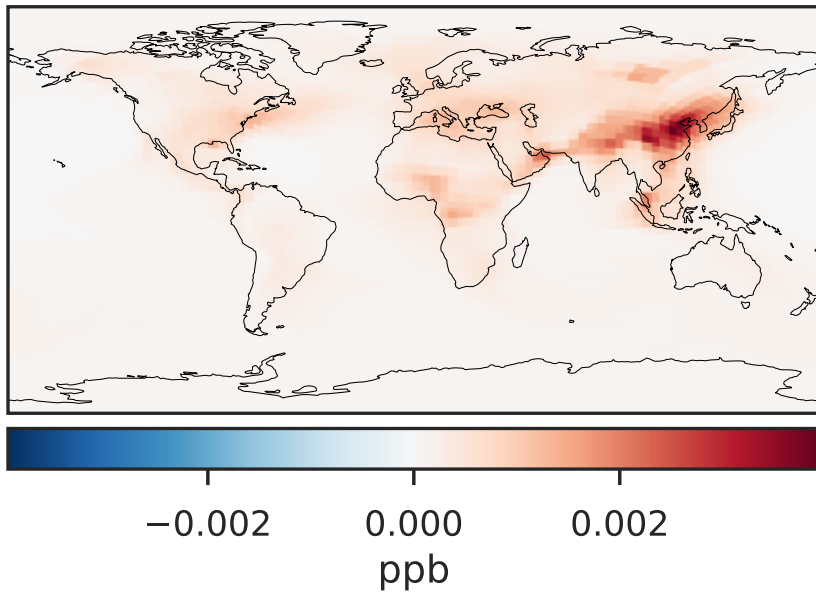
14.2.0-rc.2 (Ref)
c24



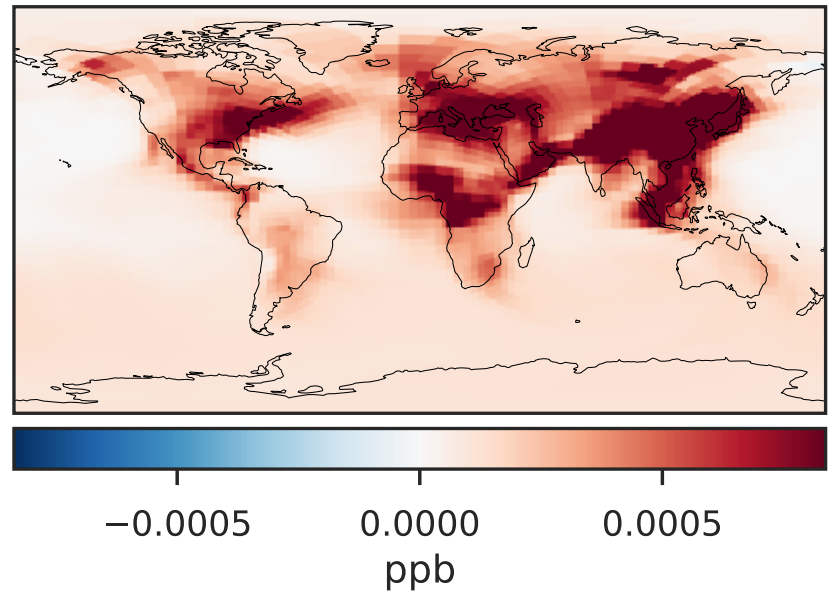
14.3.0-rc.0 (Dev)
c24



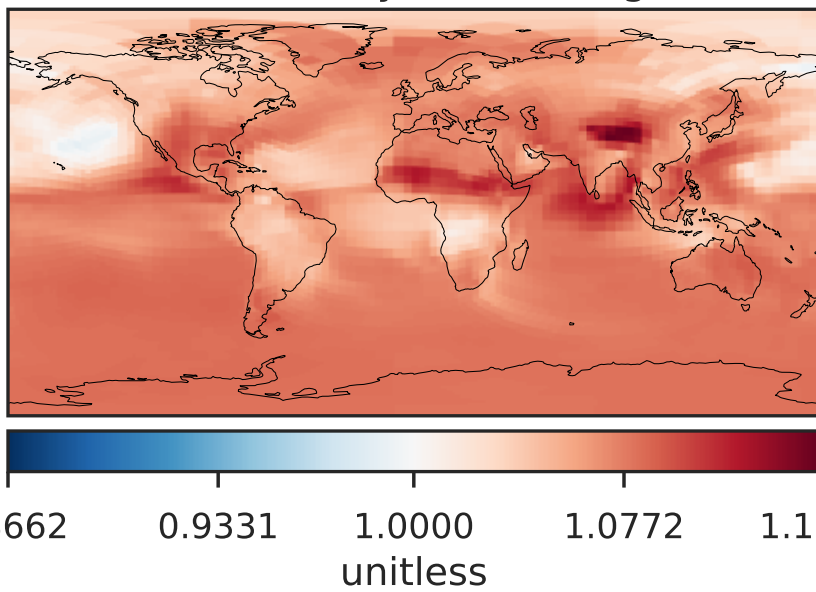
Difference (1x1.25)
Dev - Ref, Dynamic Range



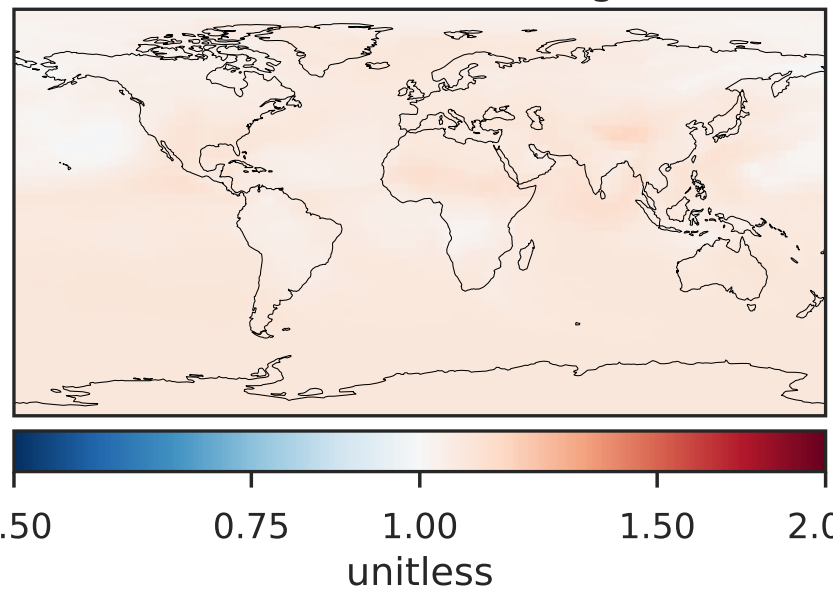
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

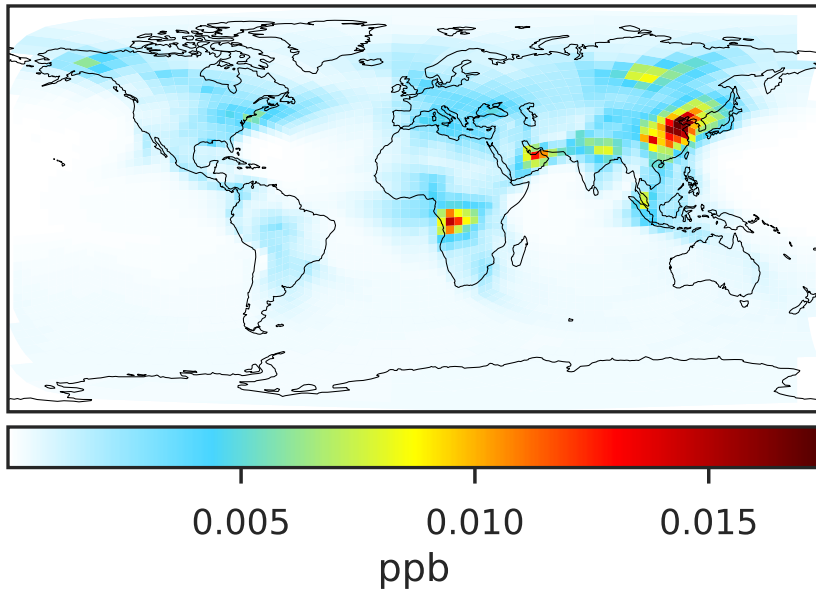


Ratio (1x1.25)
Dev/Ref, Fixed Range

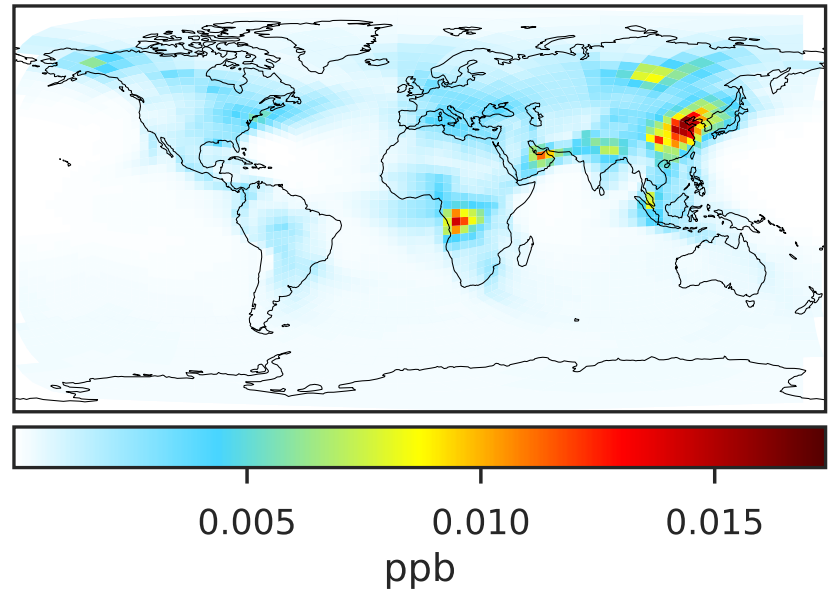


SpeciesConcVV_NPRNO3 (Jul2019)

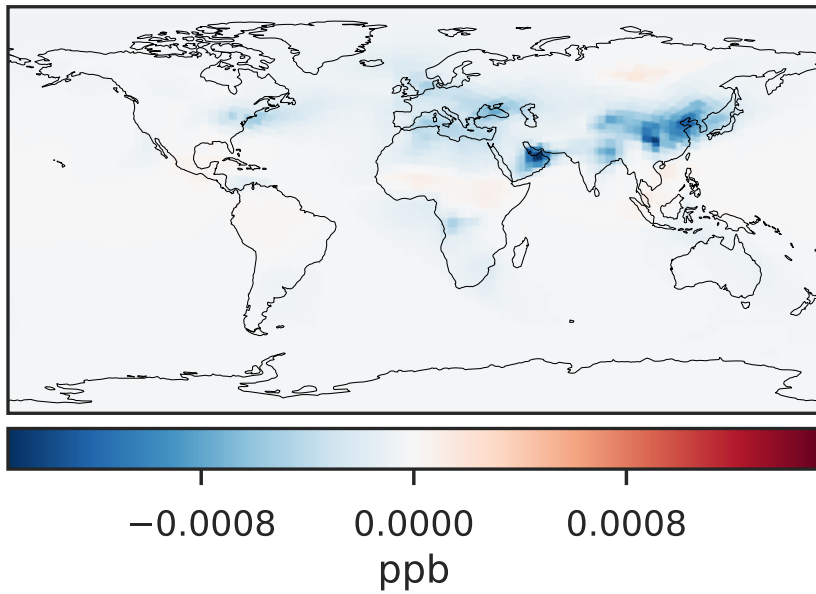
14.2.0-rc.2 (Ref)
c24



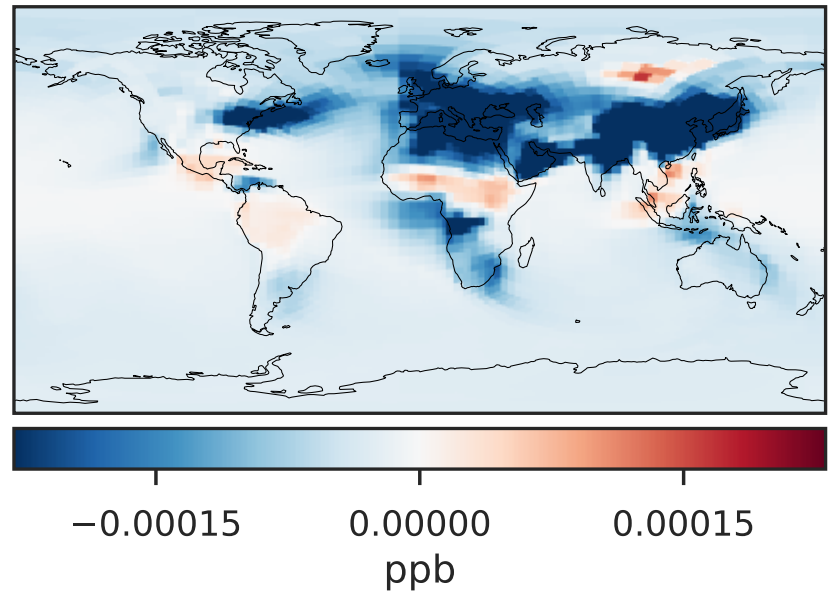
14.3.0-rc.0 (Dev)
c24



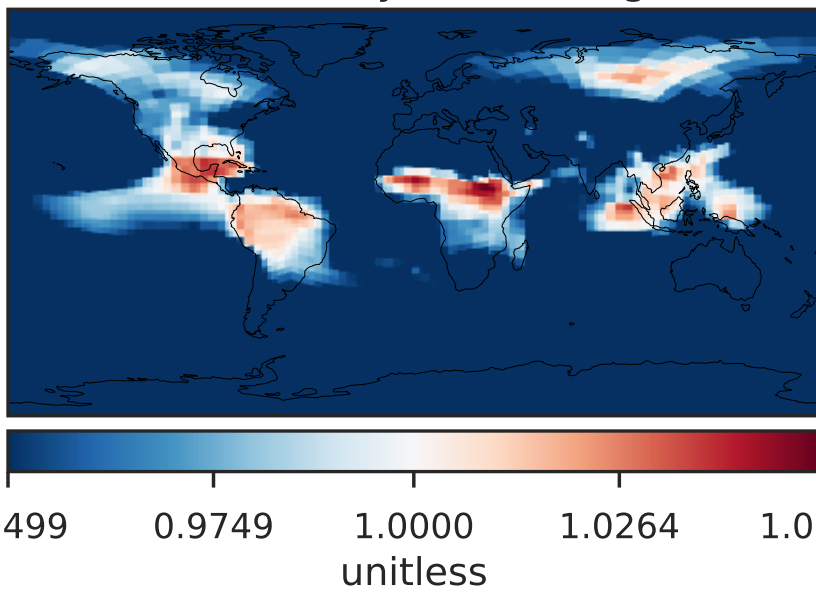
Difference (1x1.25)
Dev - Ref, Dynamic Range



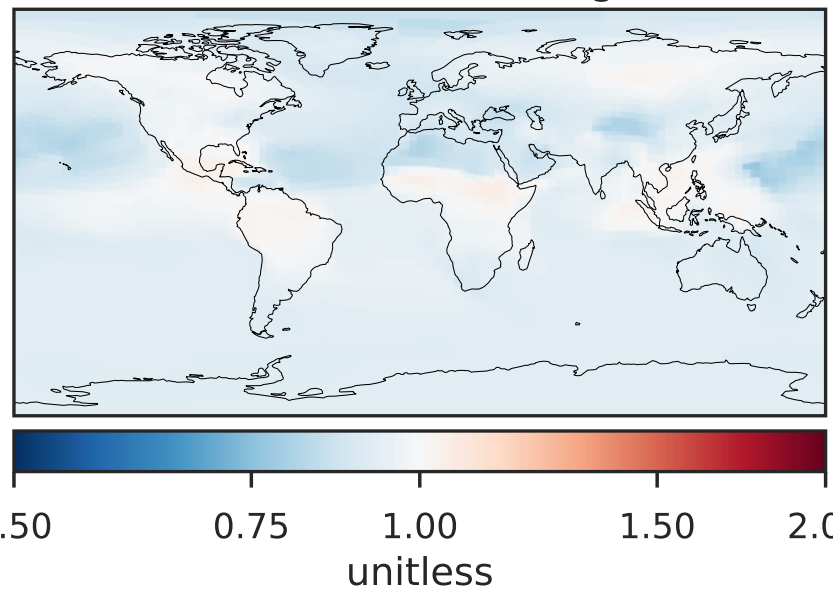
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

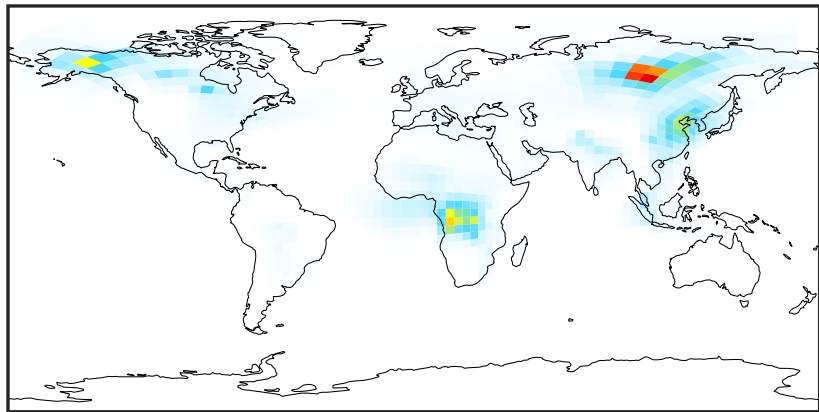


Ratio (1x1.25)
Dev/Ref, Fixed Range



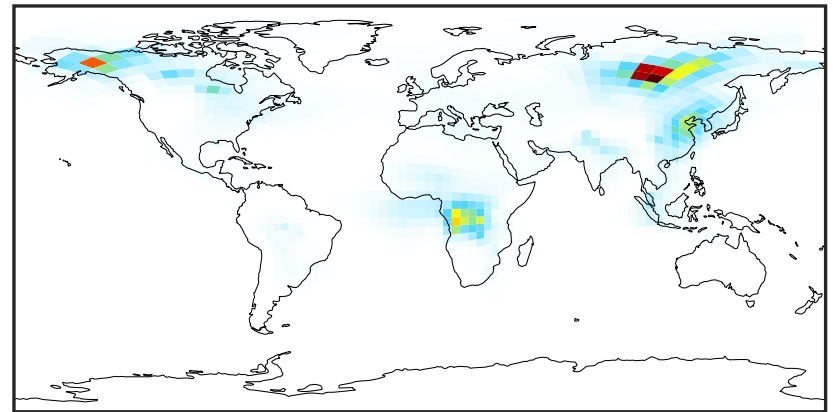
SpeciesConcVV_AONITA (Jul2019)

14.2.0-rc.2 (Ref)
c24



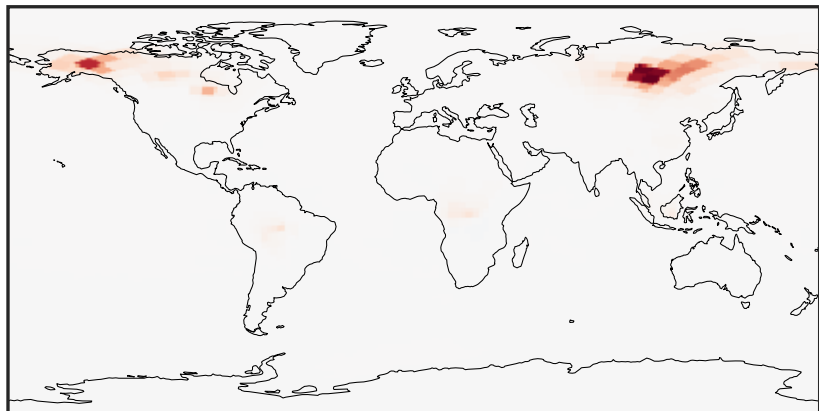
0.0000 0.1537 0.3073 0.4609 0.6145
ppb

14.3.0-rc.0 (Dev)
c24



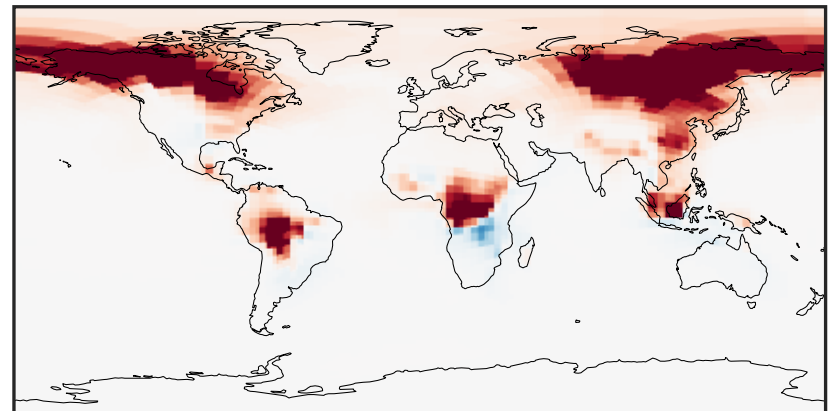
0.0000 0.1537 0.3073 0.4609 0.6145
ppb

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



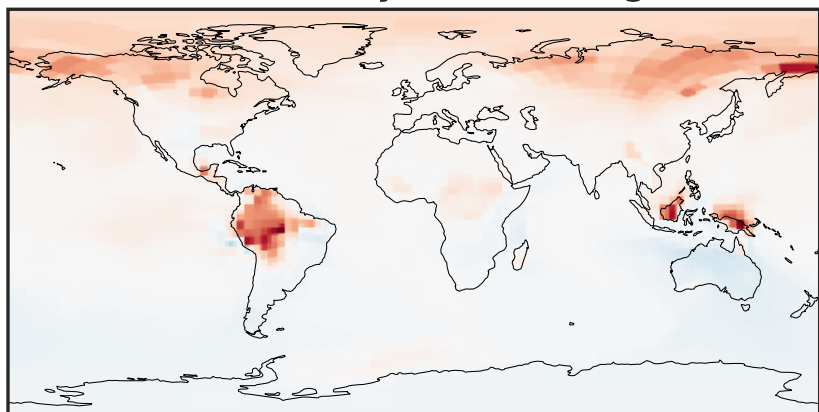
-0.1348 -0.0674 0.0000 0.0674 0.1348
ppb

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



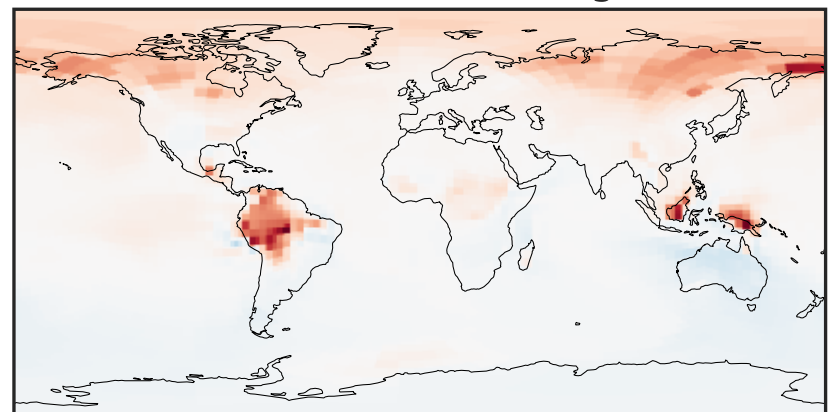
-0.0015 0.0000 0.0015
ppb

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



0.494 0.747 1.000 1.512 2.023
unitless

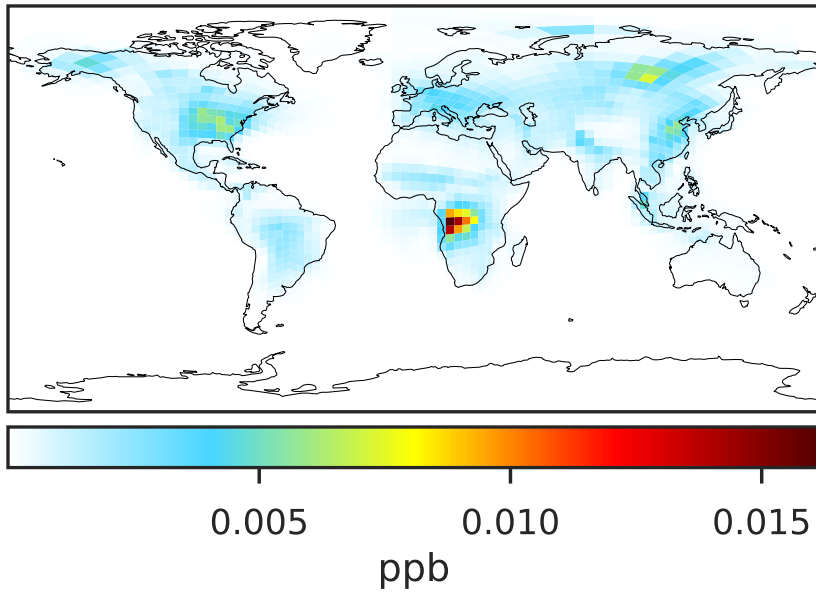
Ratio (1x1.25)
Dev/Ref, Fixed Range



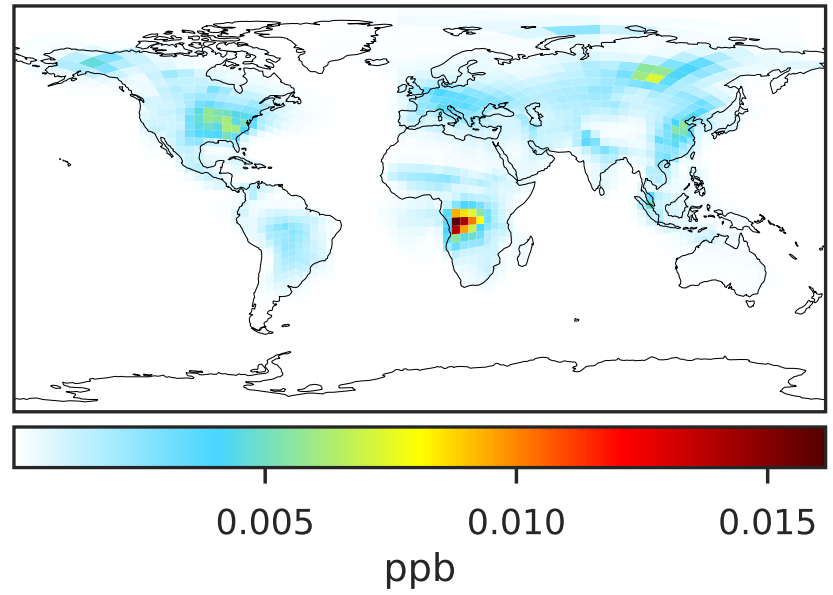
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ETHN (Jul2019)

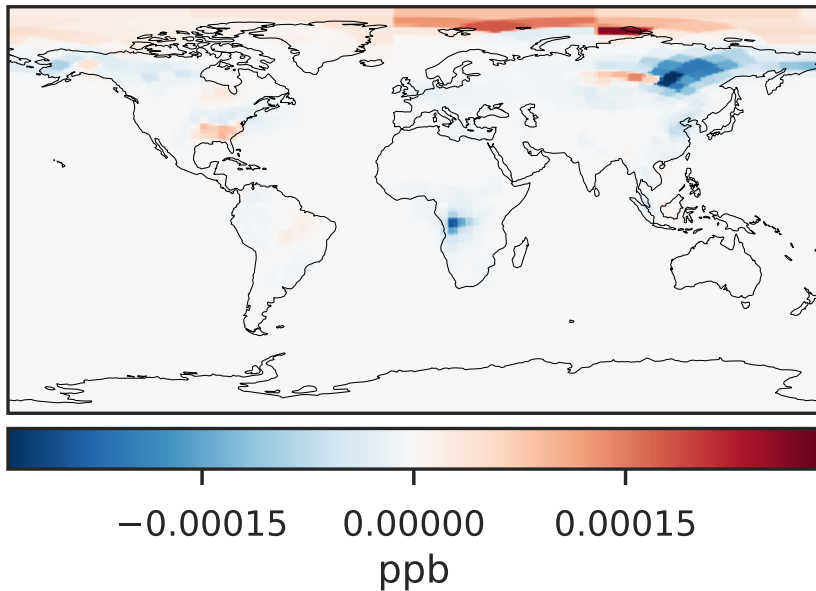
14.2.0-rc.2 (Ref)
c24



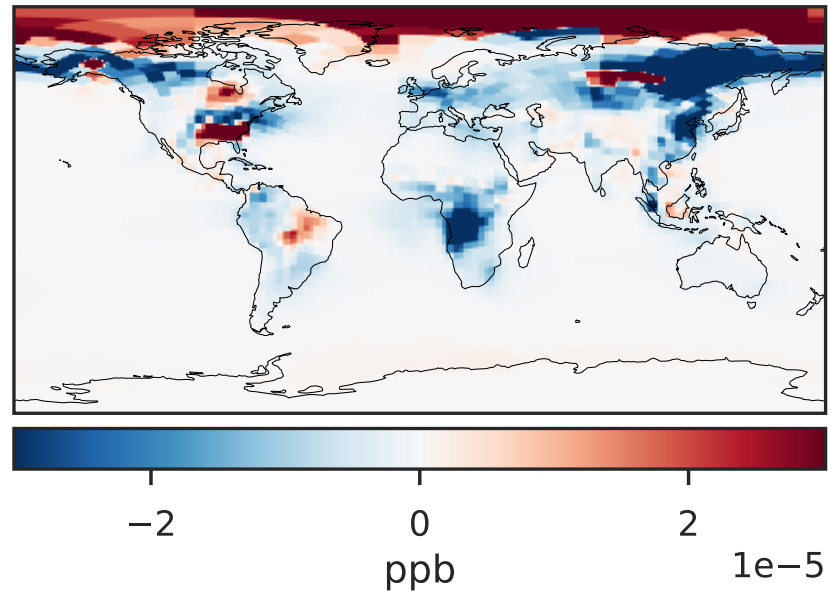
14.3.0-rc.0 (Dev)
c24



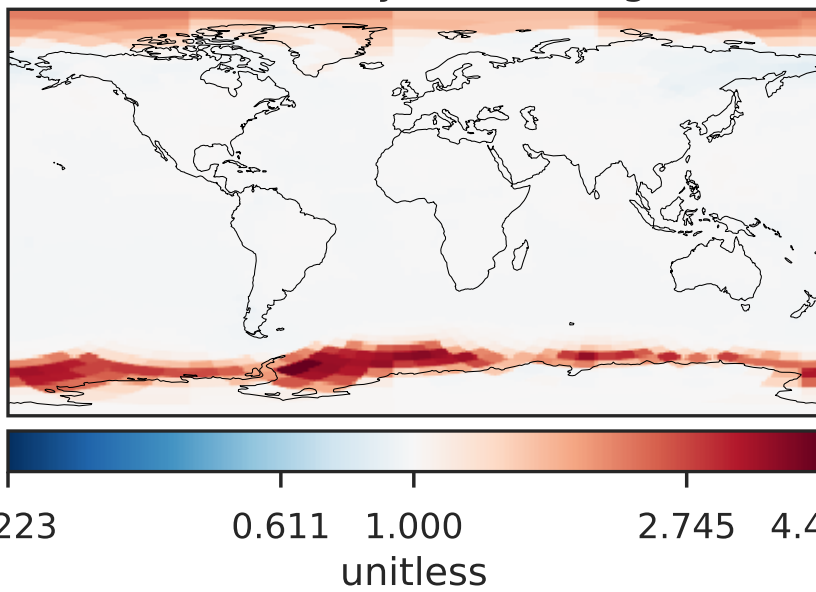
Difference (1x1.25)
Dev - Ref, Dynamic Range



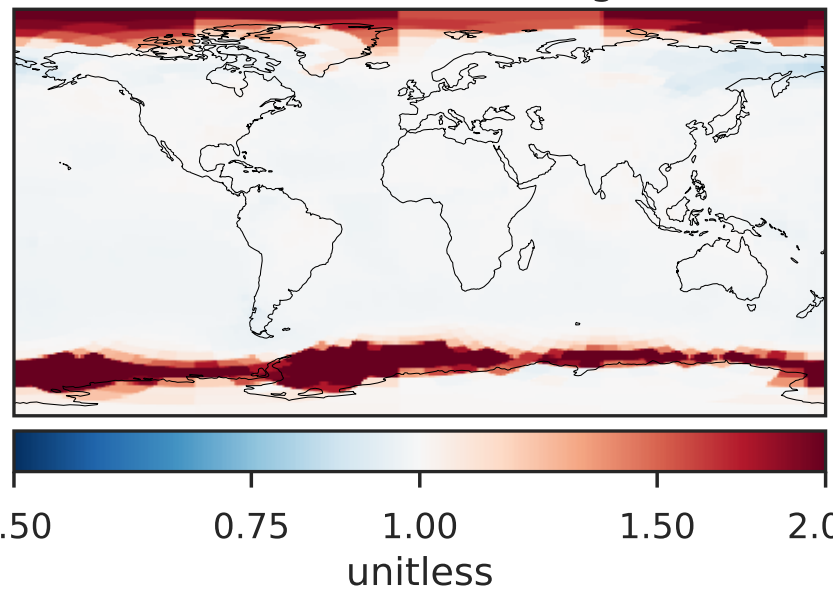
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

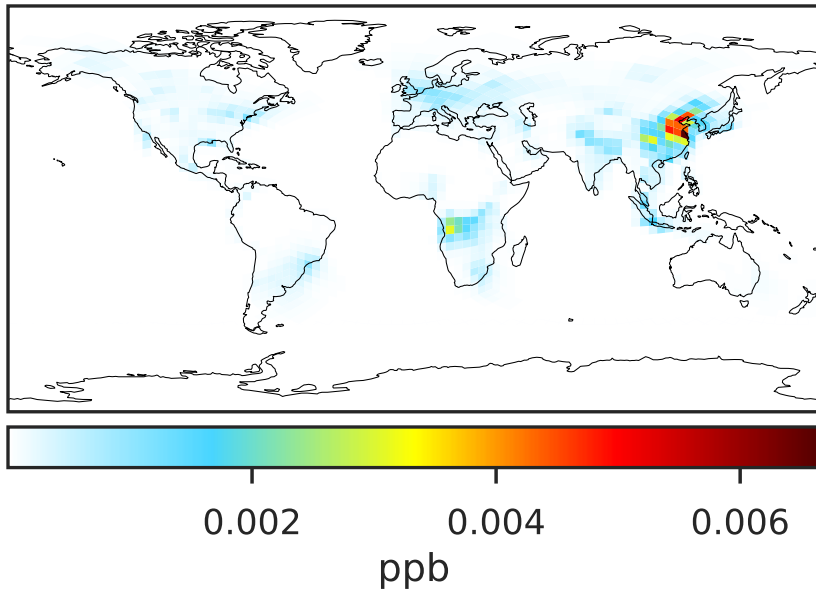


Ratio (1x1.25)
Dev/Ref, Fixed Range

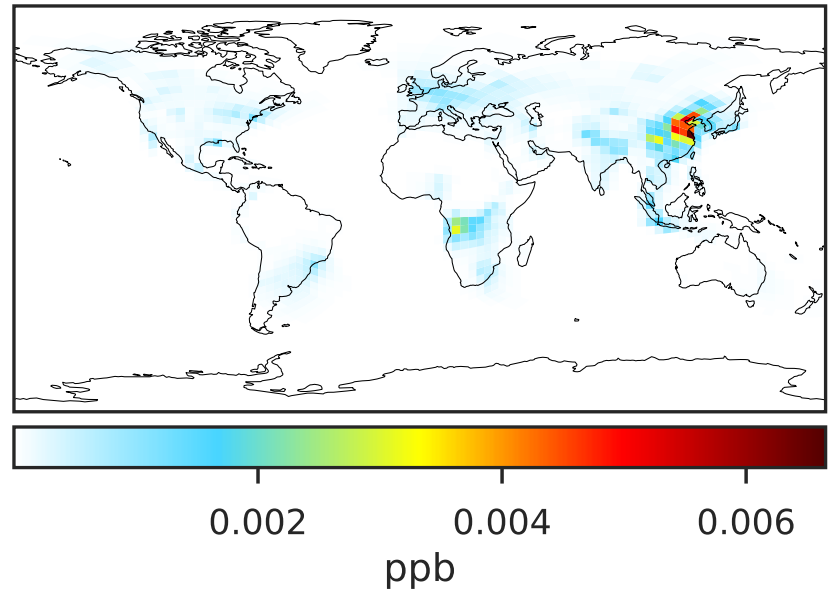


SpeciesConcVV_BZPAN (Jul2019)

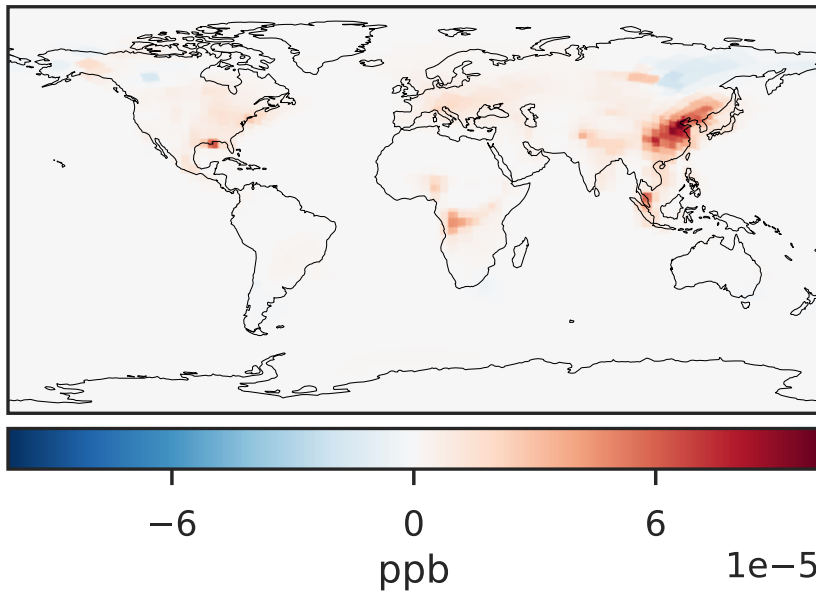
14.2.0-rc.2 (Ref)
c24



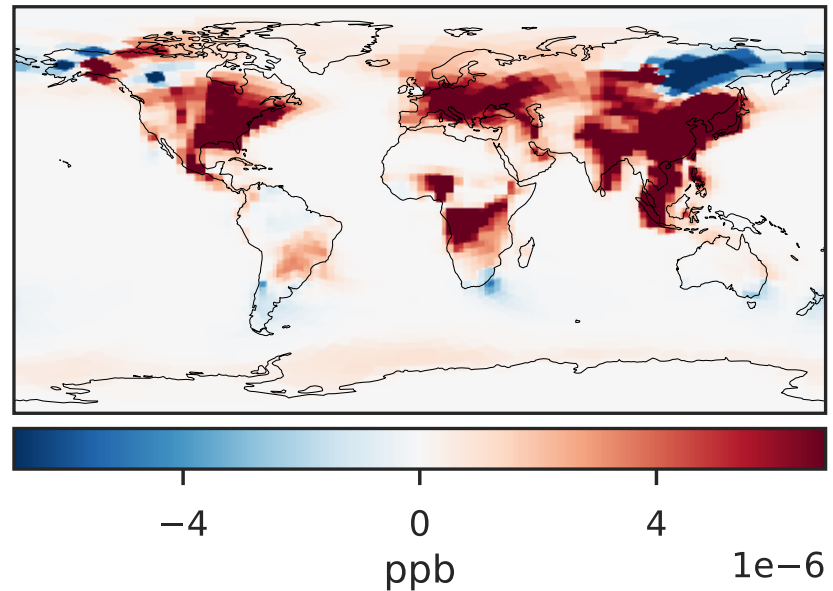
14.3.0-rc.0 (Dev)
c24



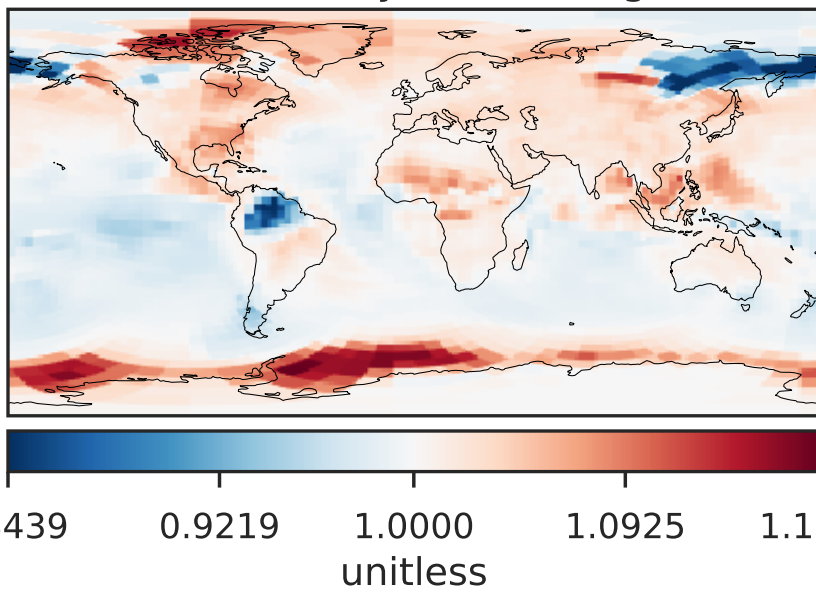
Difference (1x1.25)
Dev - Ref, Dynamic Range



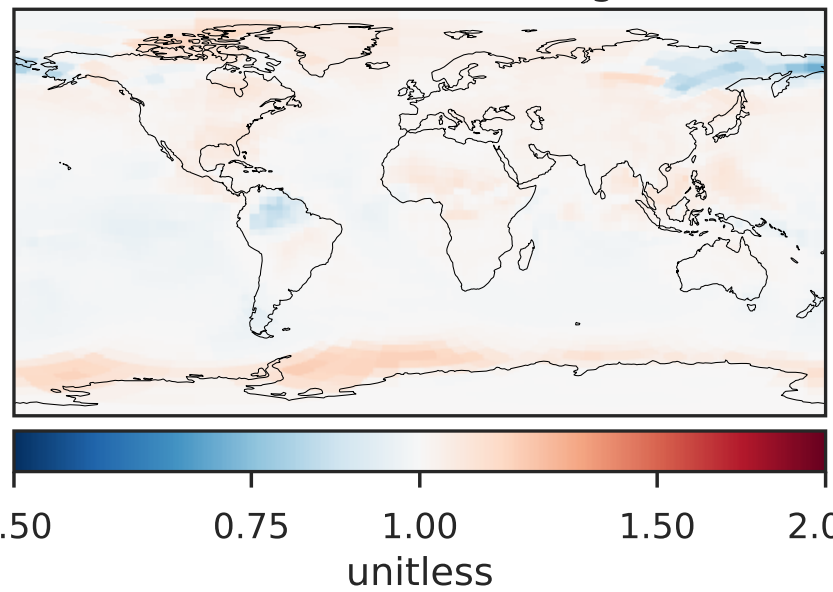
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

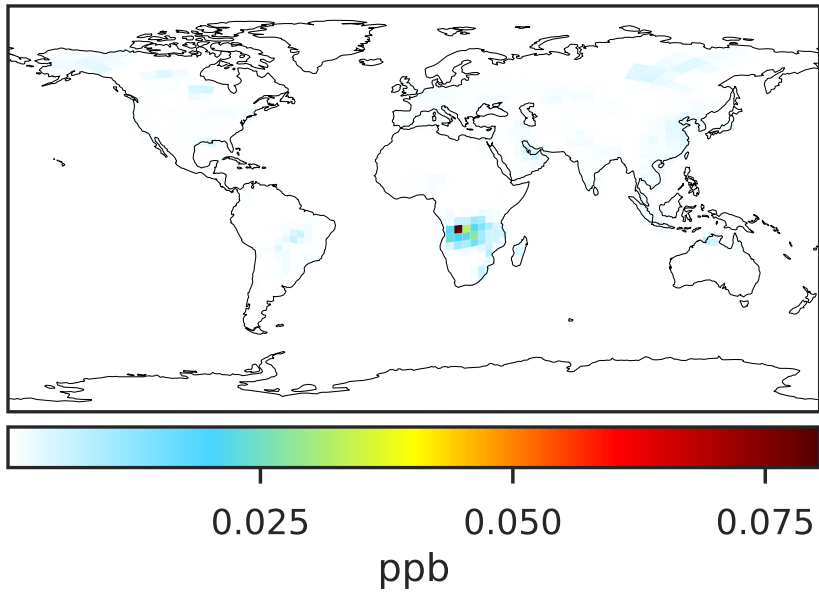


Ratio (1x1.25)
Dev/Ref, Fixed Range

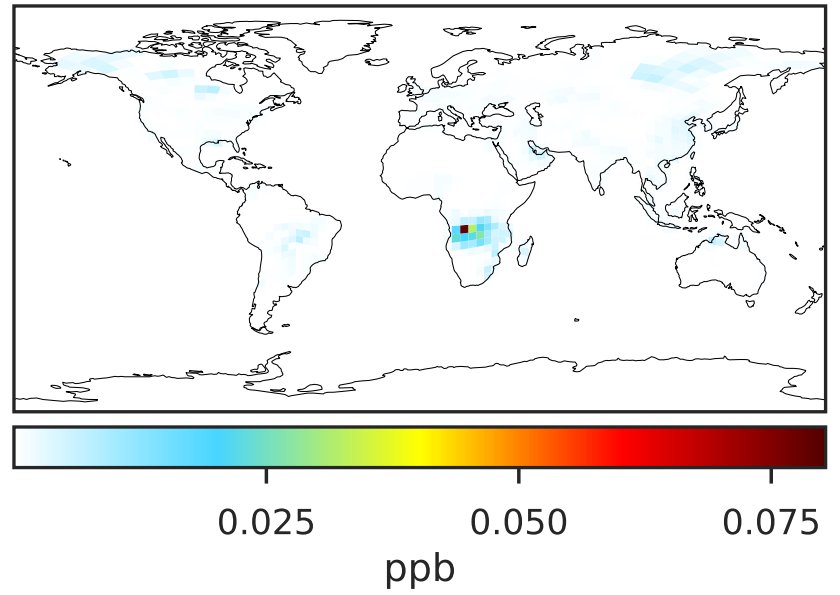


SpeciesConcVV_NPHEN (Jul2019)

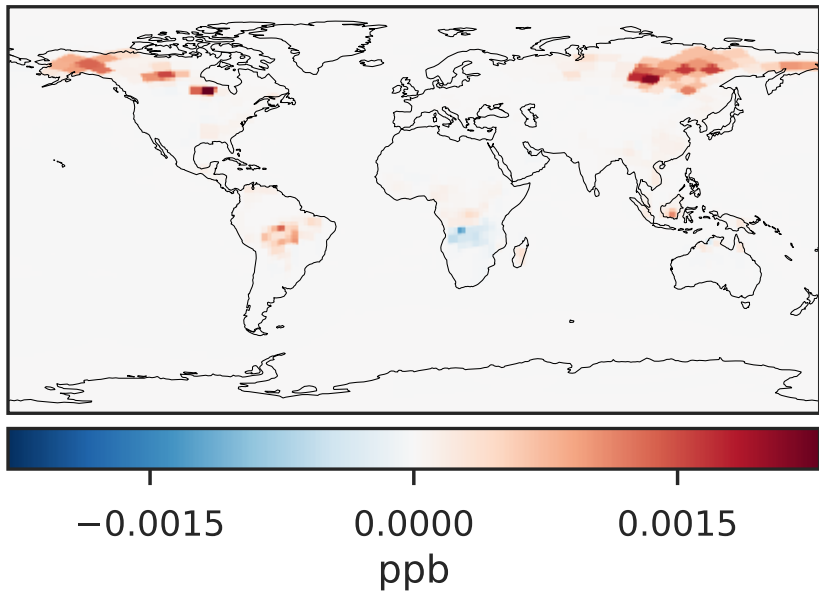
14.2.0-rc.2 (Ref)
c24



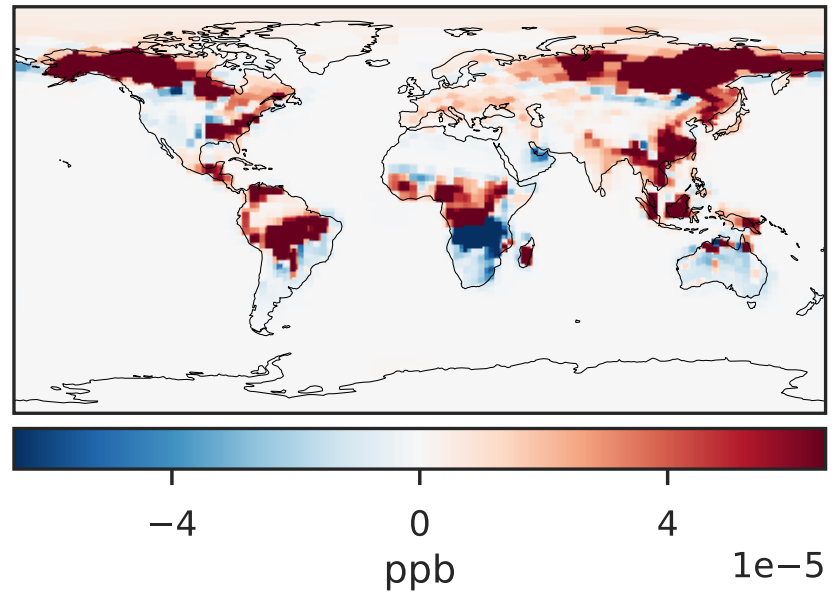
14.3.0-rc.0 (Dev)
c24



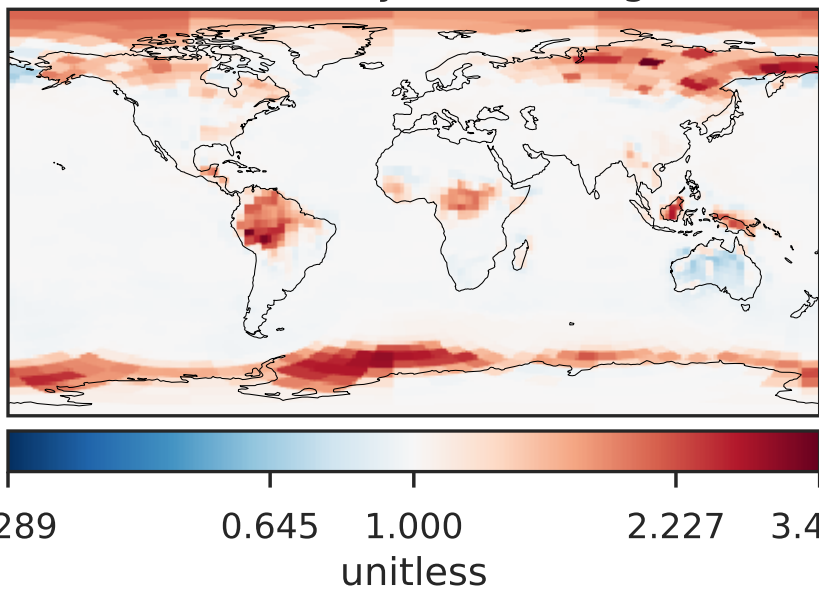
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

