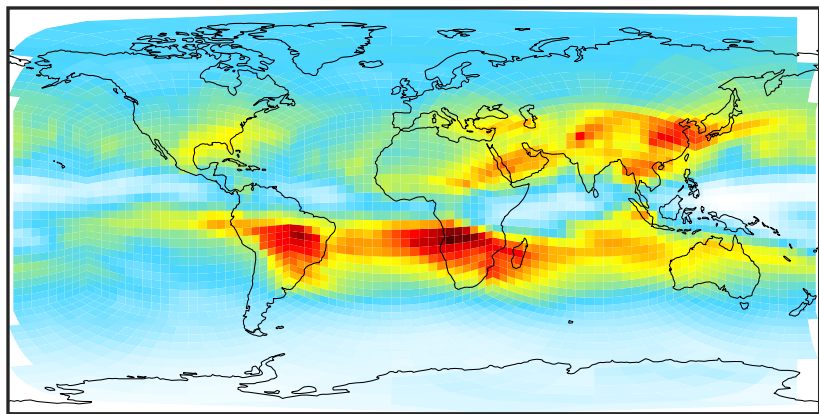


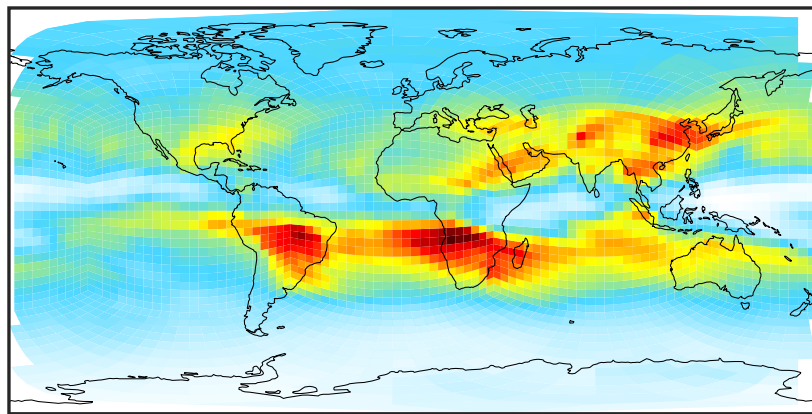
# SpeciesConcVV\_NOy (Oct2019)

14.2.0-rc.2 (Ref)  
c24



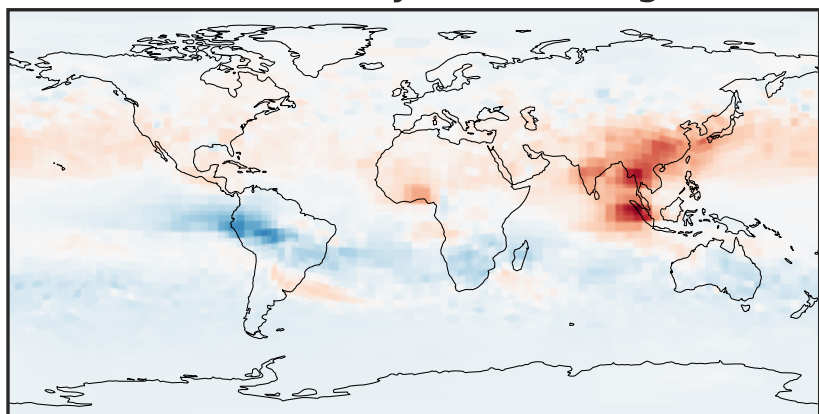
0.0357 0.2722 0.5086 0.7450 0.9814  
ppb

14.3.0-rc.0 (Dev)  
c24



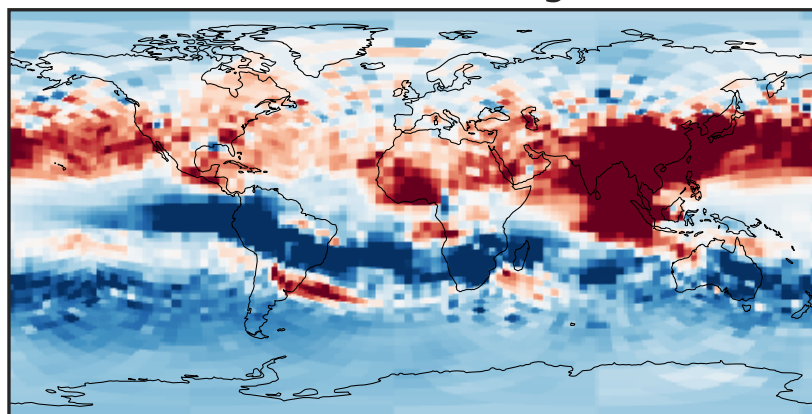
0.0357 0.2722 0.5086 0.7450 0.9814  
ppb

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



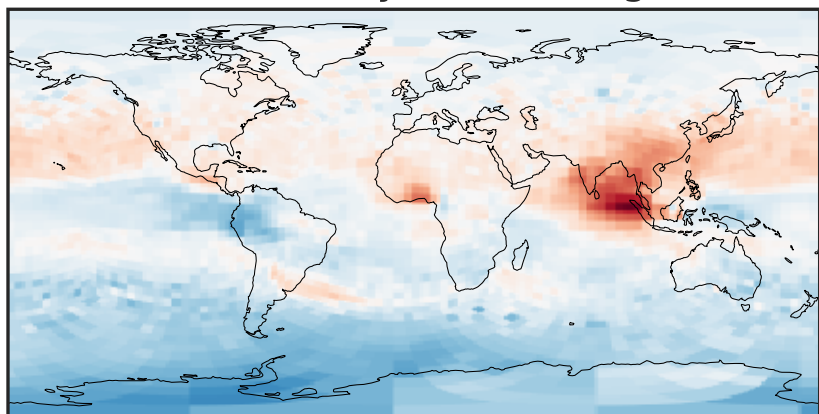
-0.008 0.000 0.008  
ppb

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



-0.0015 0.0000 0.0015  
ppb

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



0.97073 0.98537 1.00000 1.01507 1.03015  
unitless

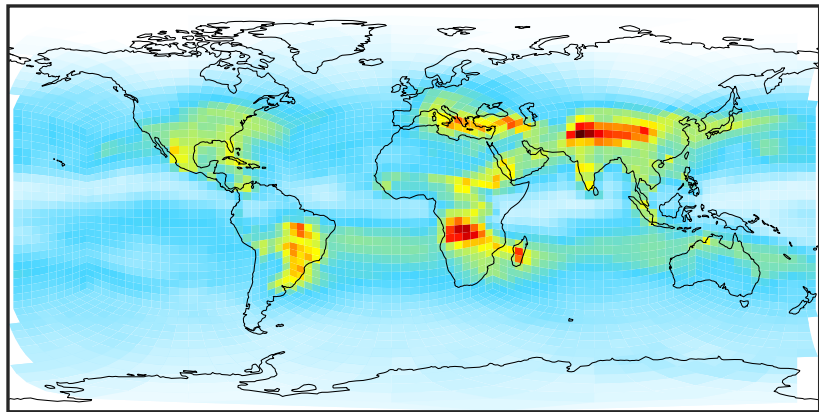
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

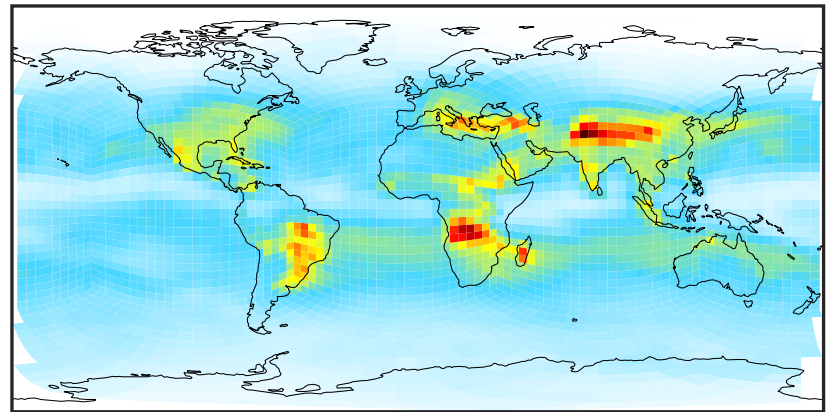
# SpeciesConcVV\_NOx (Oct2019)

14.2.0-rc.2 (Ref)  
c24



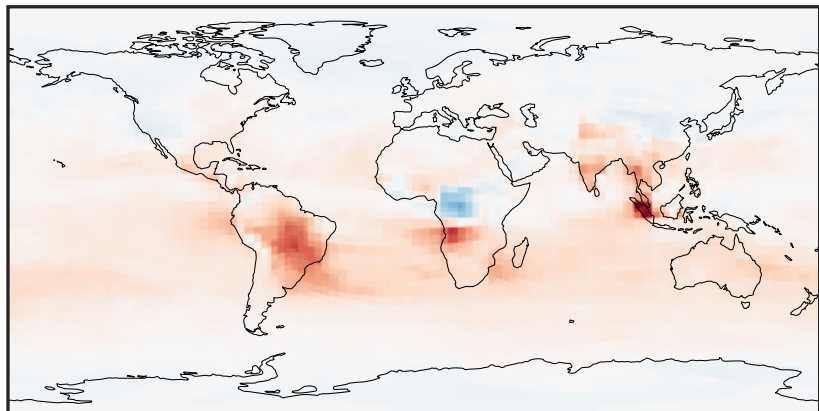
0.0015 0.0473 0.0932 0.1390 0.1848  
ppb

14.3.0-rc.0 (Dev)  
c24



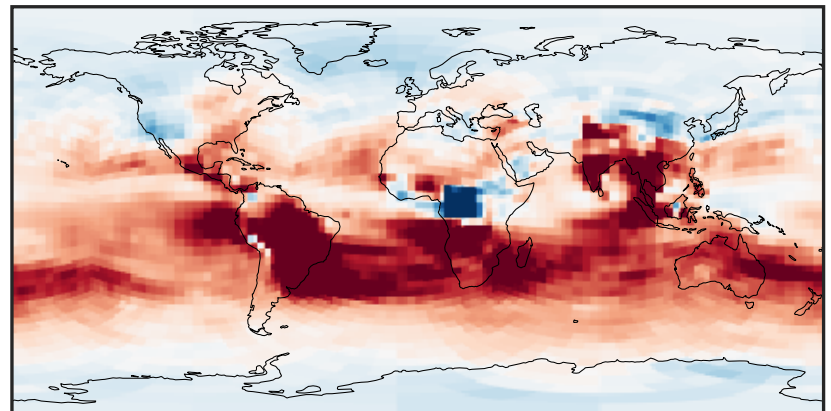
0.0015 0.0473 0.0932 0.1390 0.1848  
ppb

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



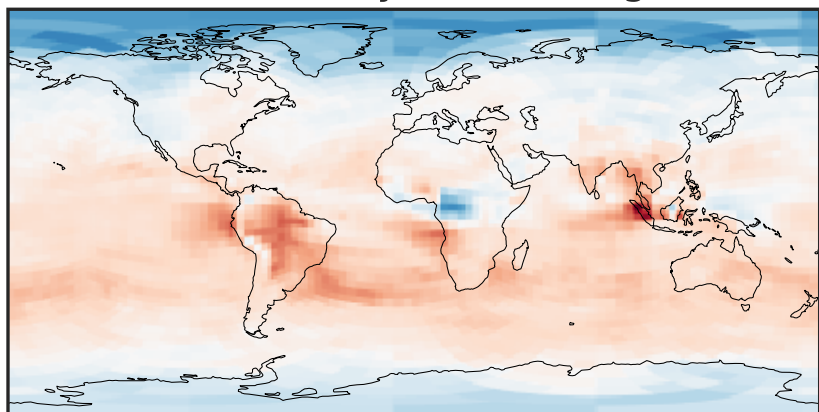
-0.0025 0.0000 0.0025  
ppb

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



-0.0005 0.0000 0.0005  
ppb

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



0.9400 0.9700 1.0000 1.0319 1.0638  
unitless

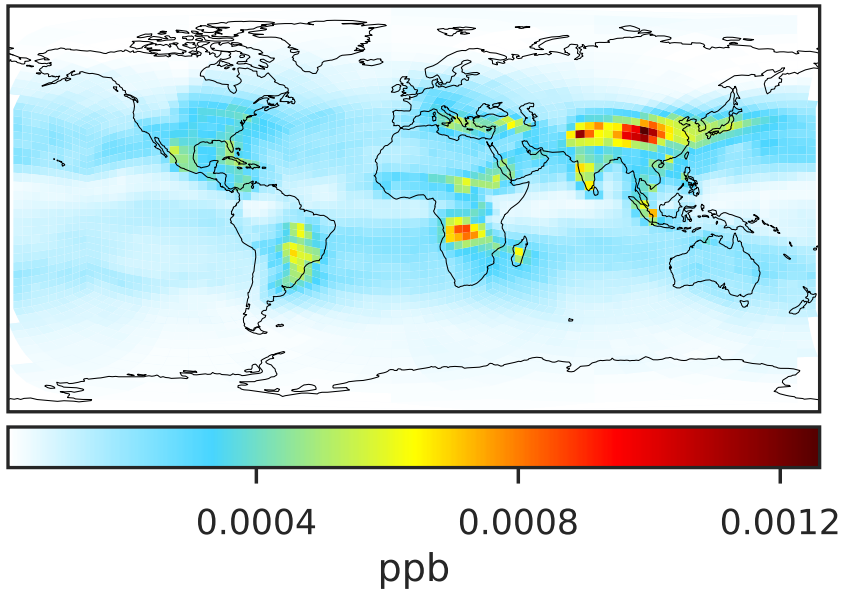
Ratio (1x1.25)  
Dev/Ref, Fixed Range



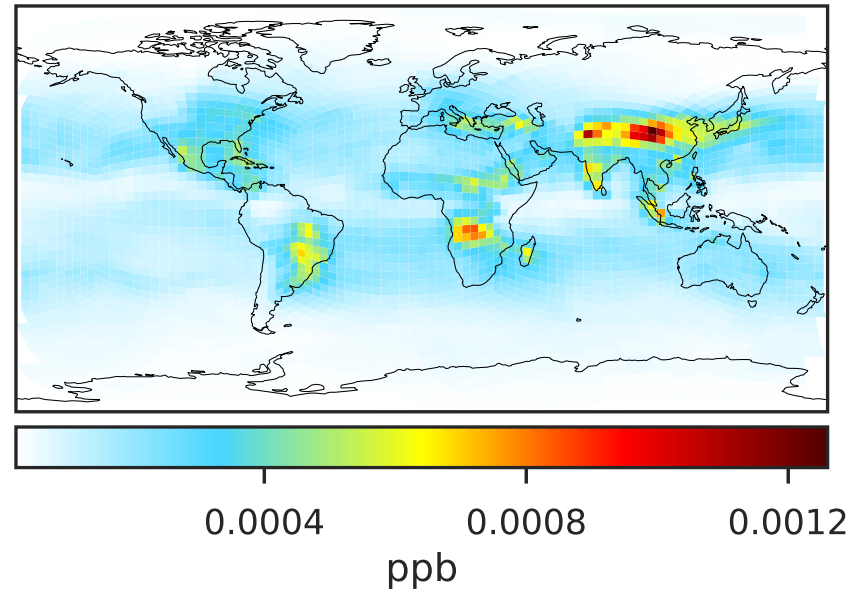
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_HNO2 (Oct2019)

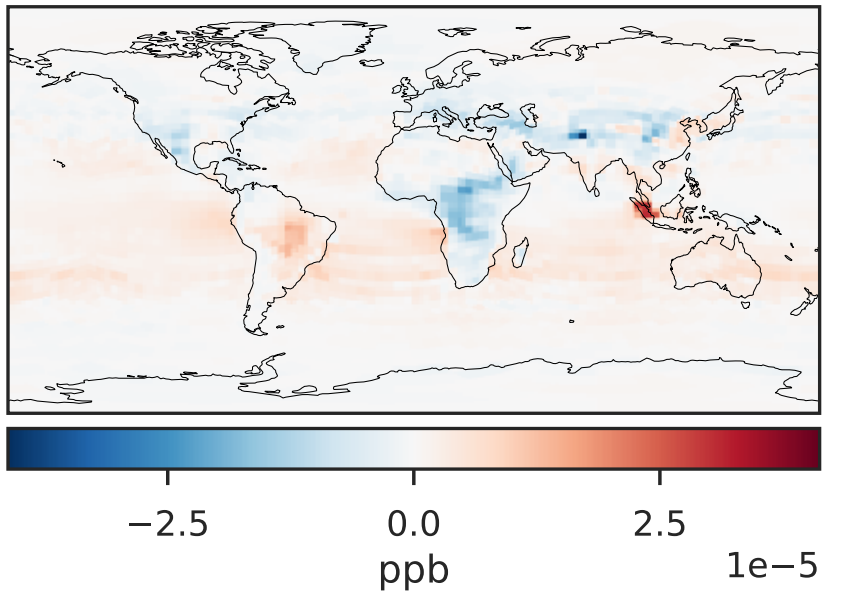
14.2.0-rc.2 (Ref)  
c24



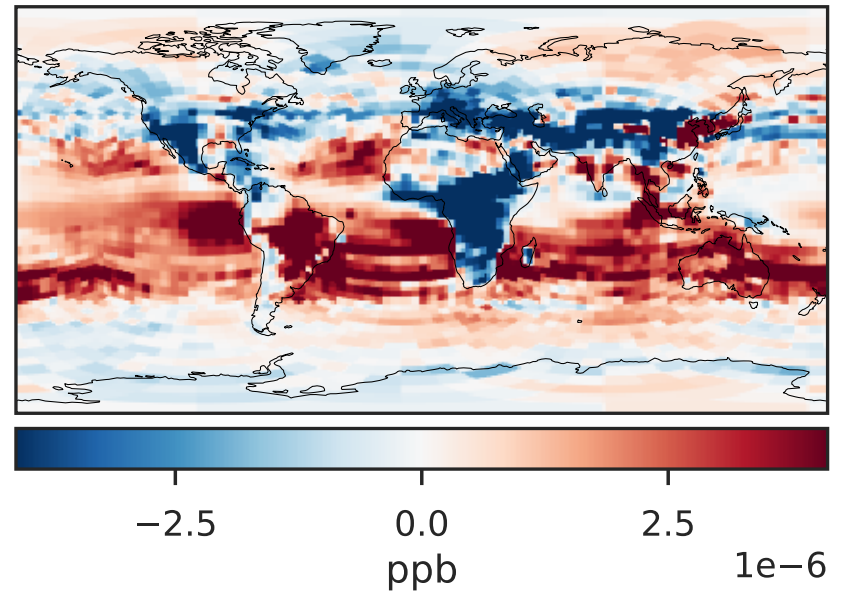
14.3.0-rc.0 (Dev)  
c24



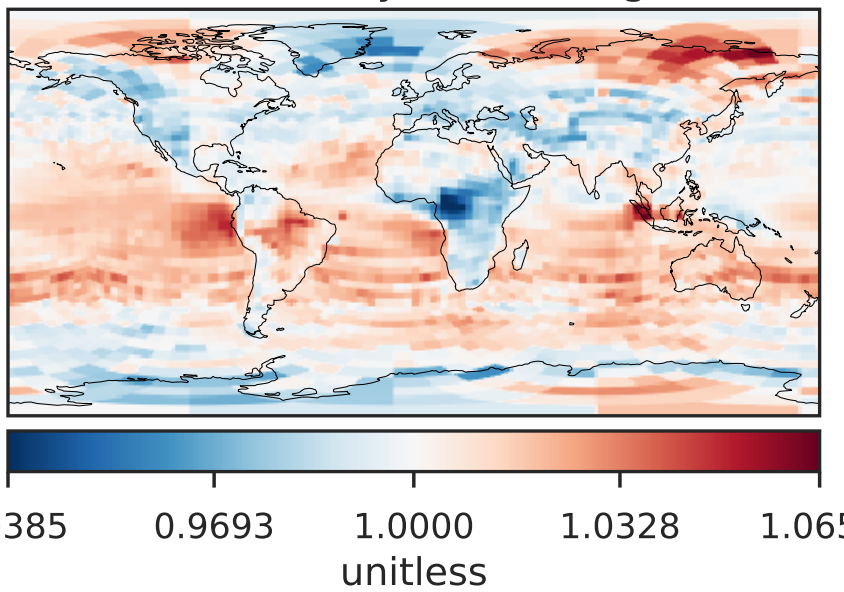
Difference (1x1.25)  
Dev - Ref, Dynamic Range



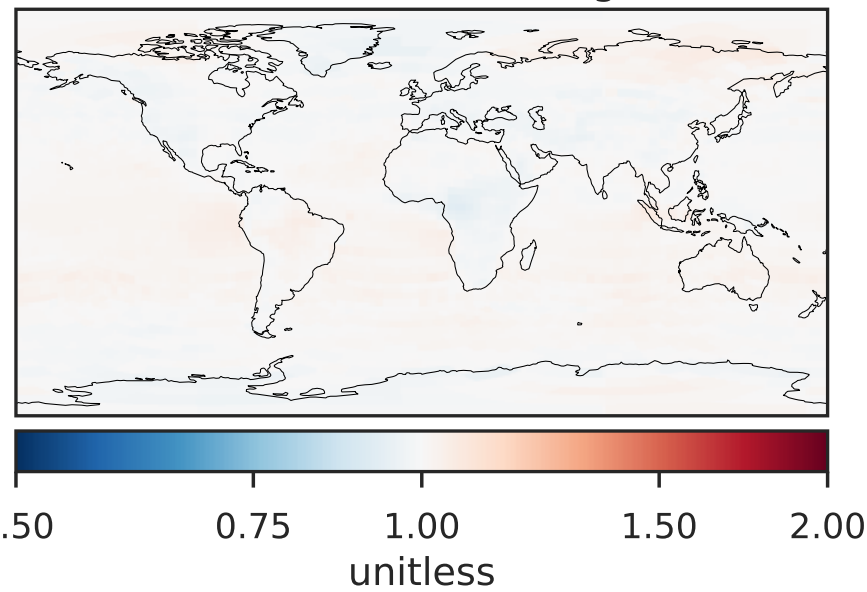
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

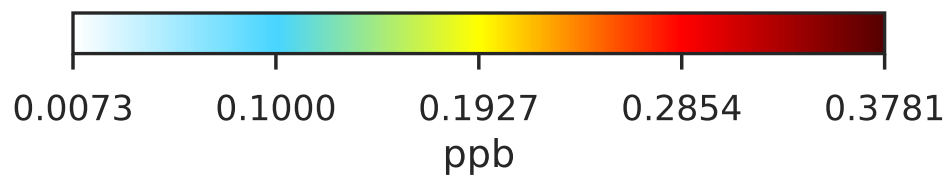
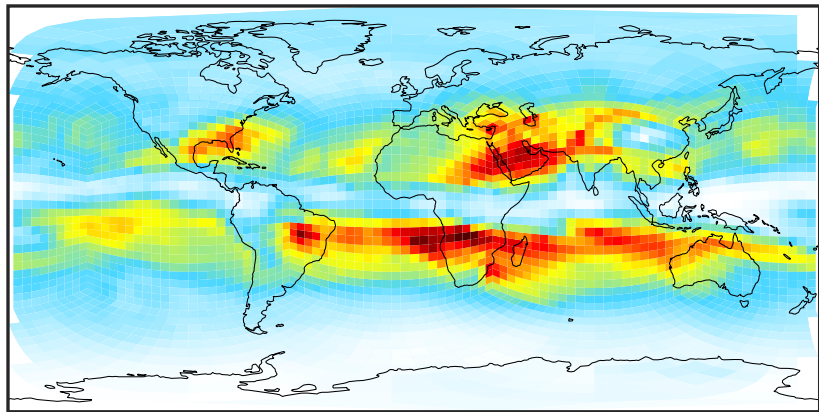


Ratio (1x1.25)  
Dev/Ref, Fixed Range

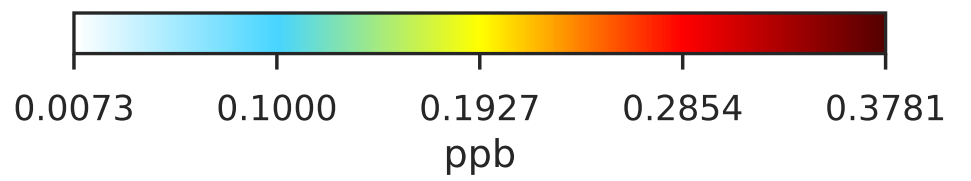
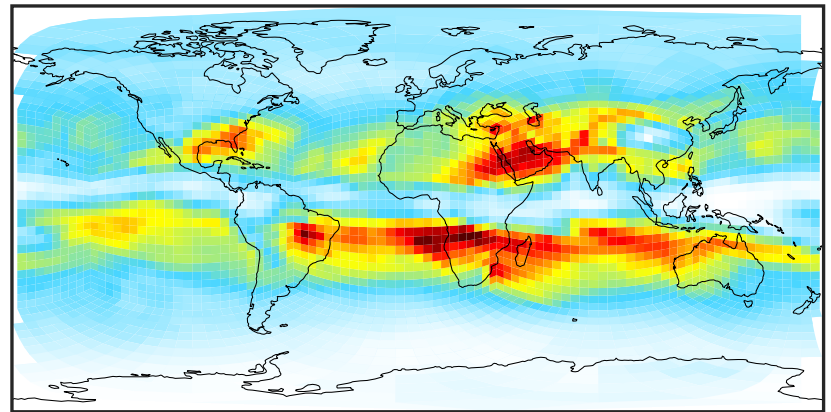


# SpeciesConcVV\_HNO3 (Oct2019)

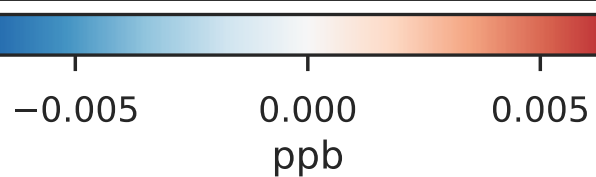
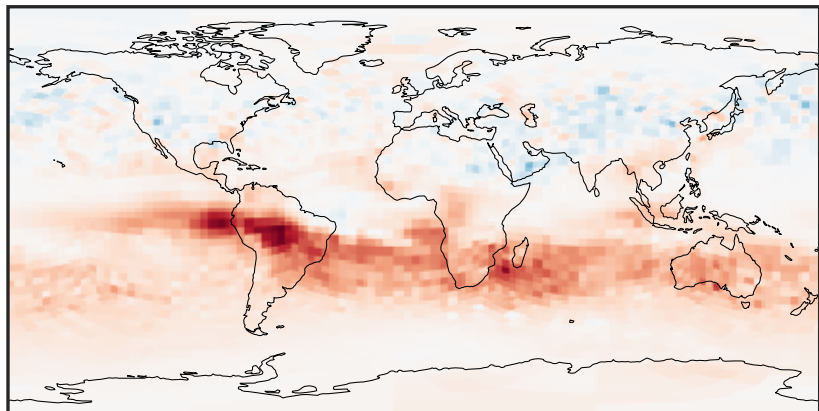
14.2.0-rc.2 (Ref)  
c24



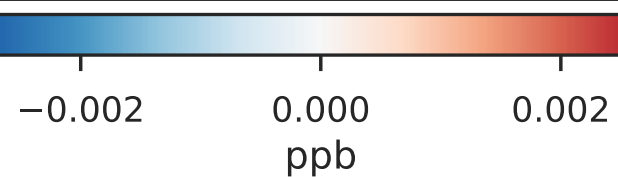
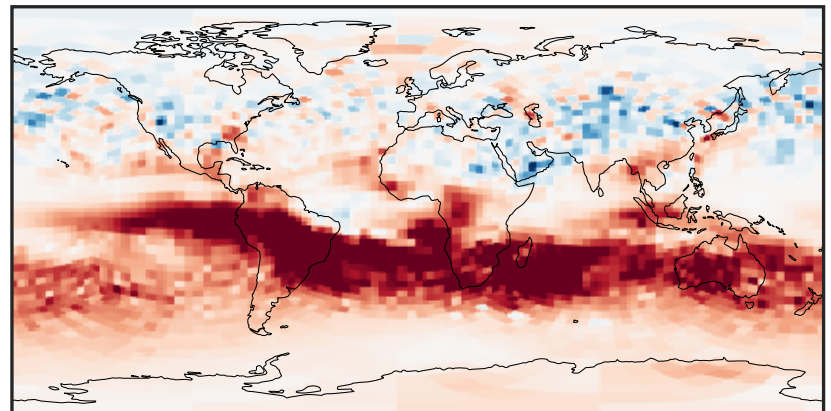
14.3.0-rc.0 (Dev)  
c24



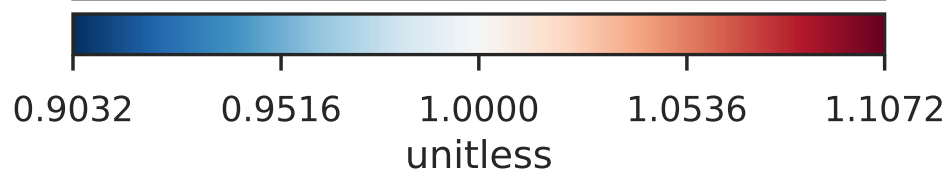
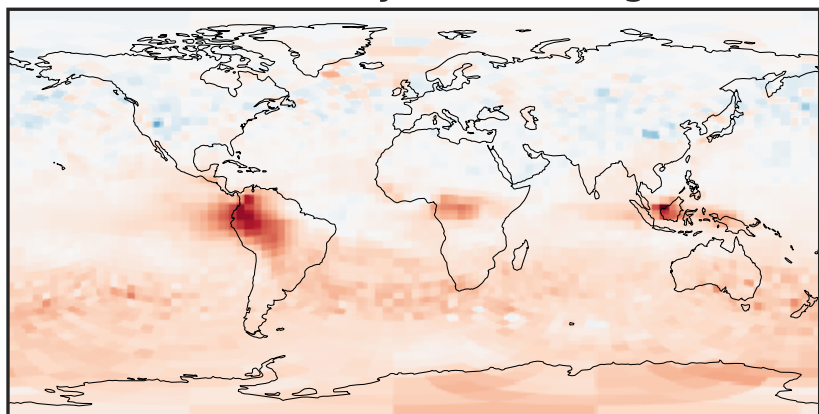
Difference (1x1.25)  
Dev - Ref, Dynamic Range



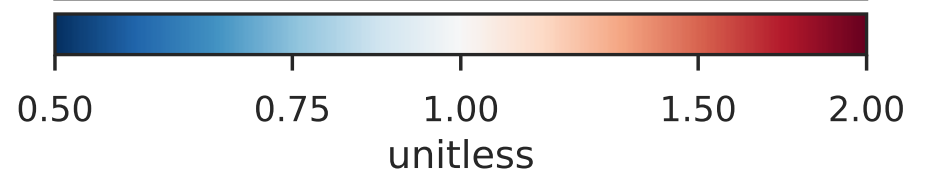
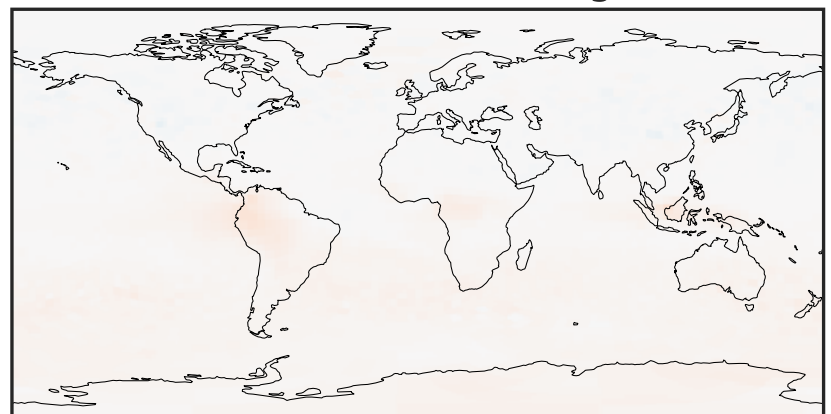
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

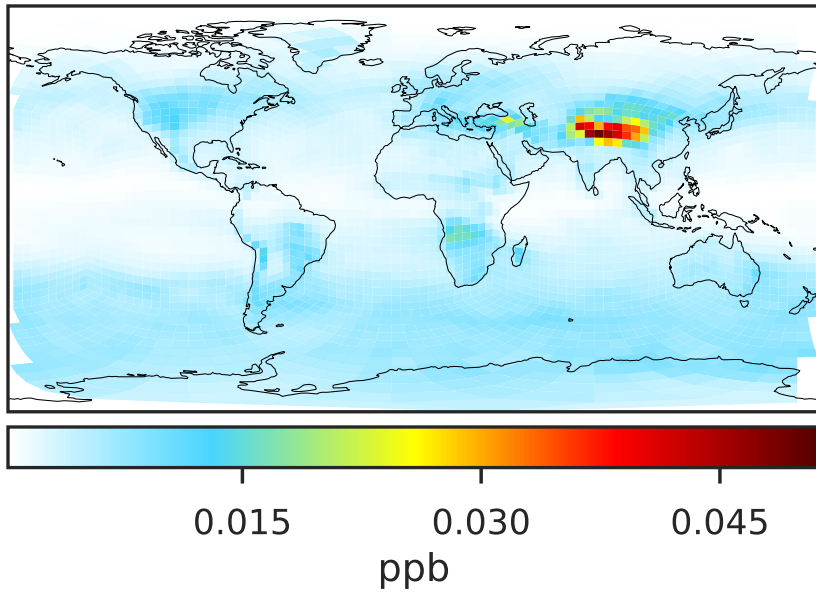


Ratio (1x1.25)  
Dev/Ref, Fixed Range

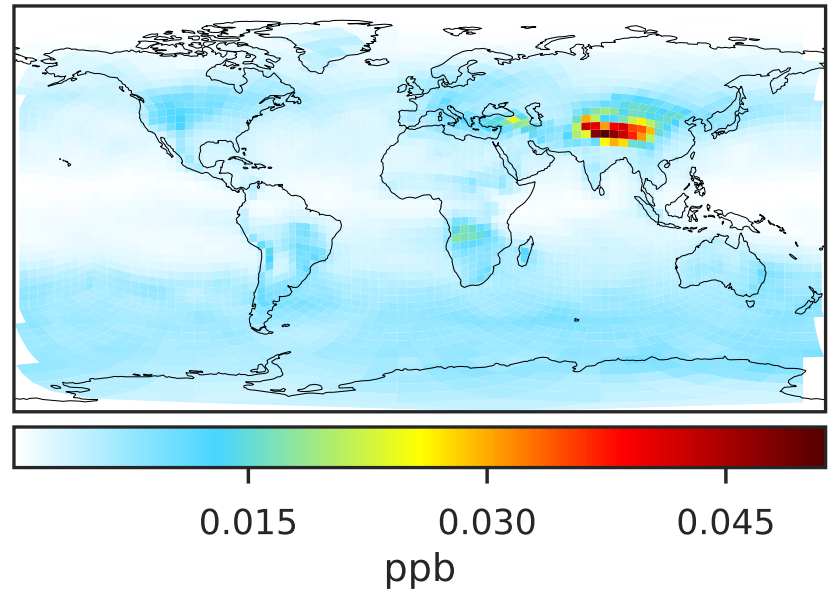


# SpeciesConcVV\_HNO4 (Oct2019)

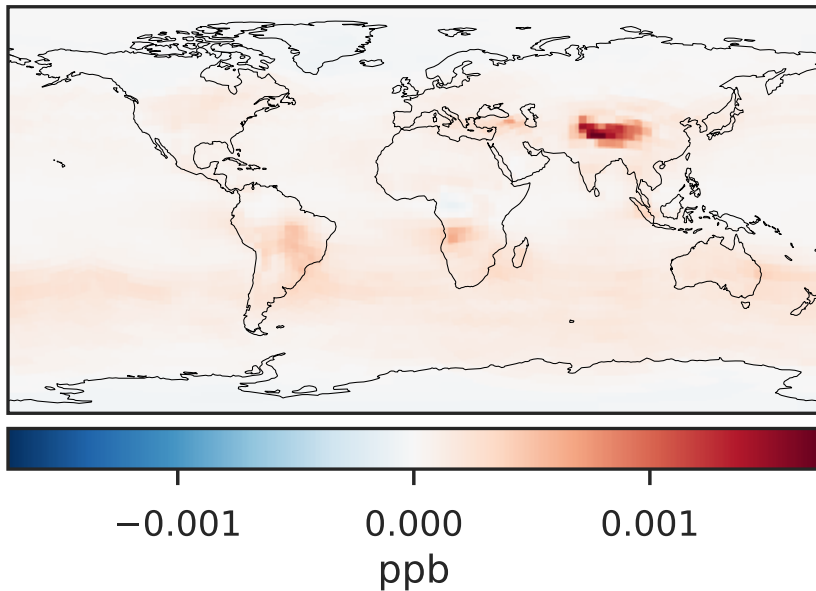
14.2.0-rc.2 (Ref)  
c24



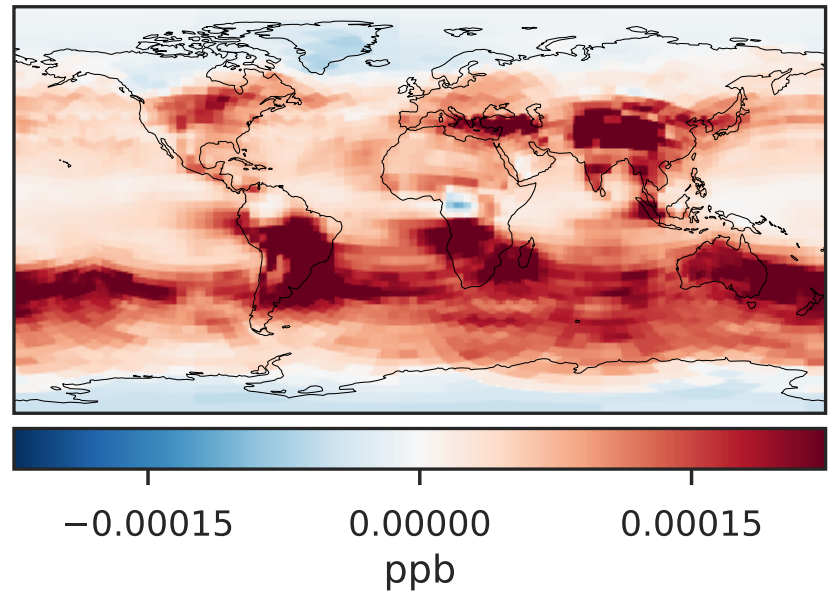
14.3.0-rc.0 (Dev)  
c24



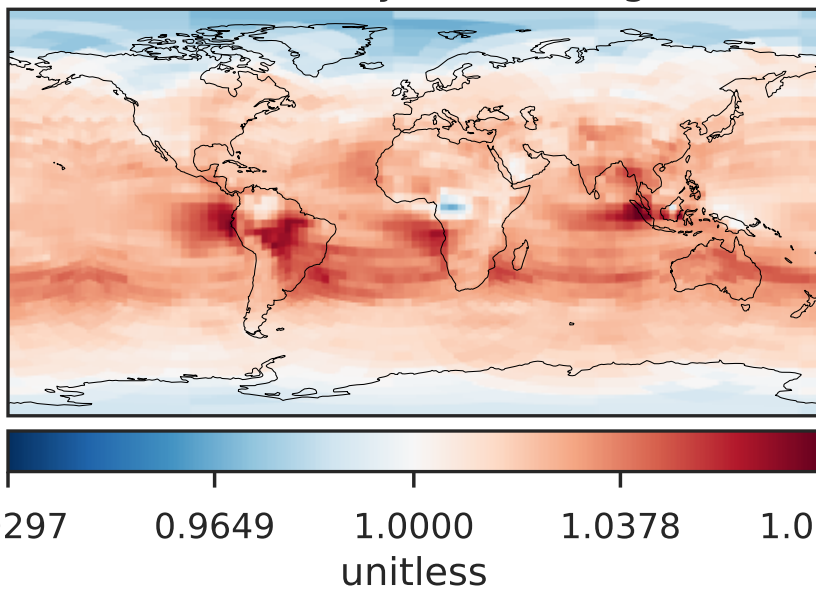
Difference (1x1.25)  
Dev - Ref, Dynamic Range



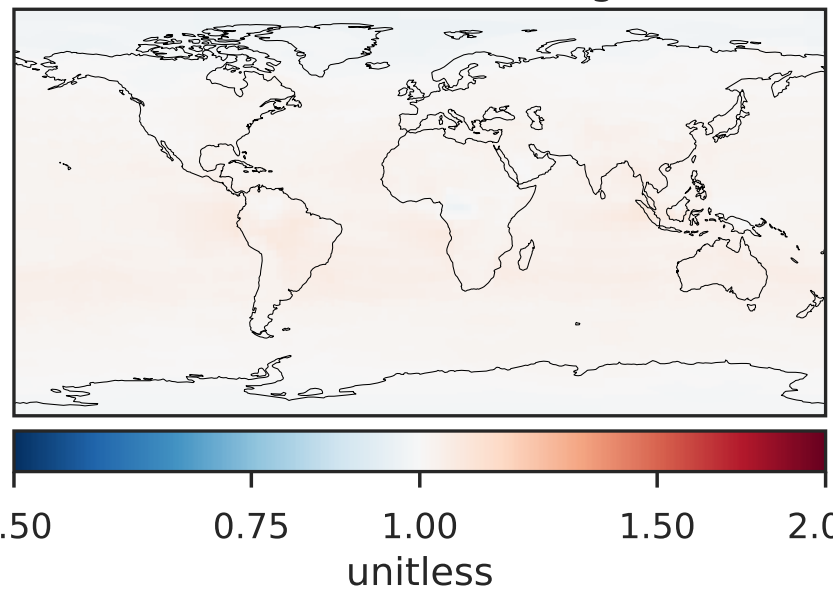
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

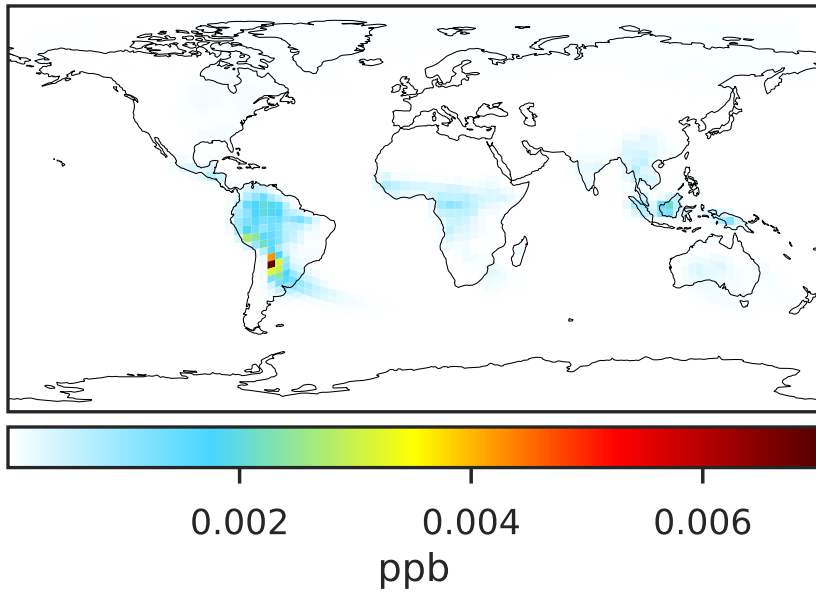


Ratio (1x1.25)  
Dev/Ref, Fixed Range

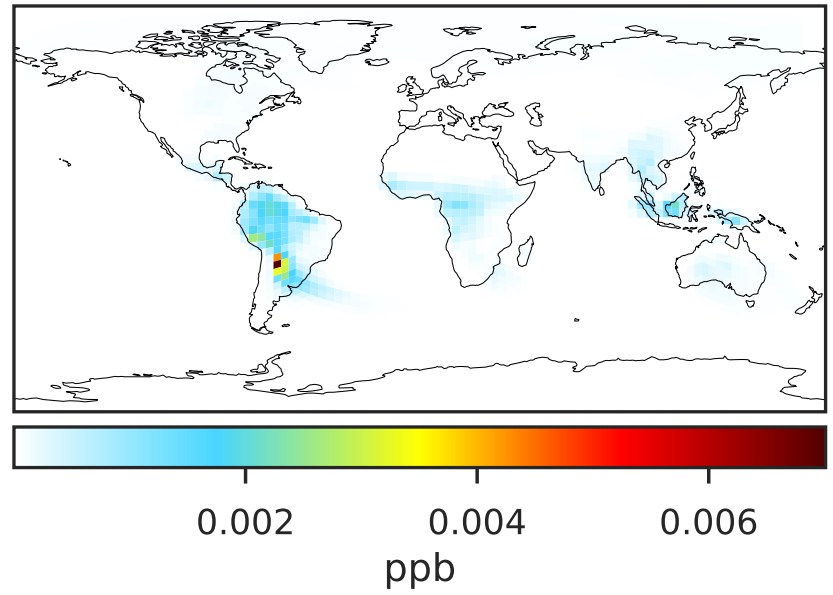


# SpeciesConcVV\_MPAN (Oct2019)

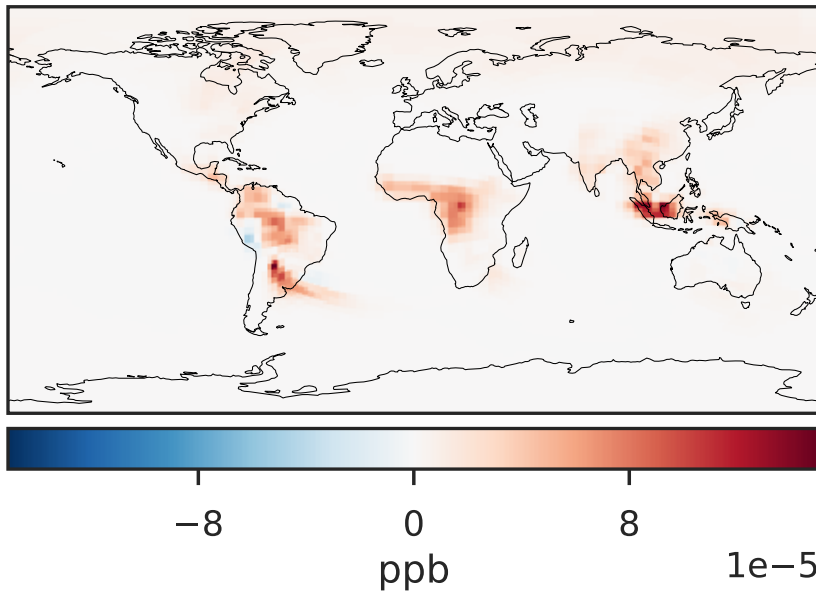
14.2.0-rc.2 (Ref)  
c24



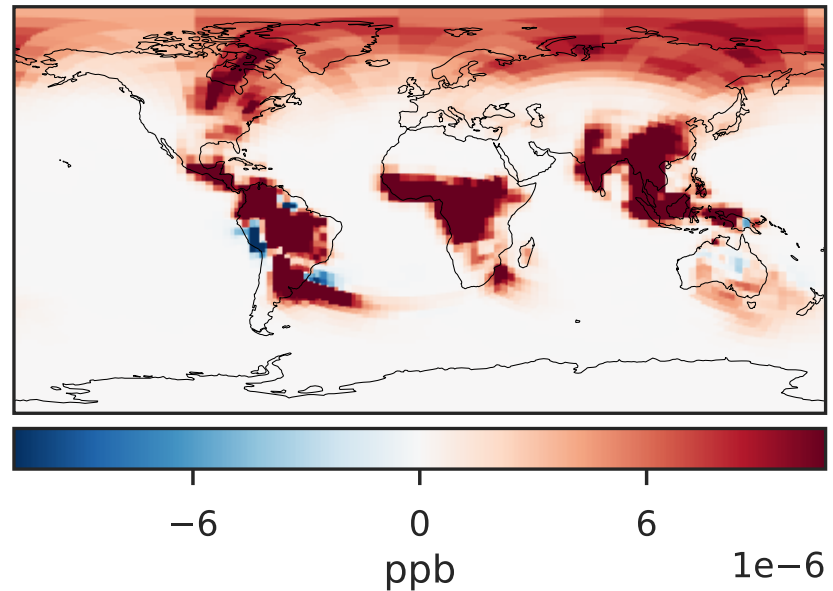
14.3.0-rc.0 (Dev)  
c24



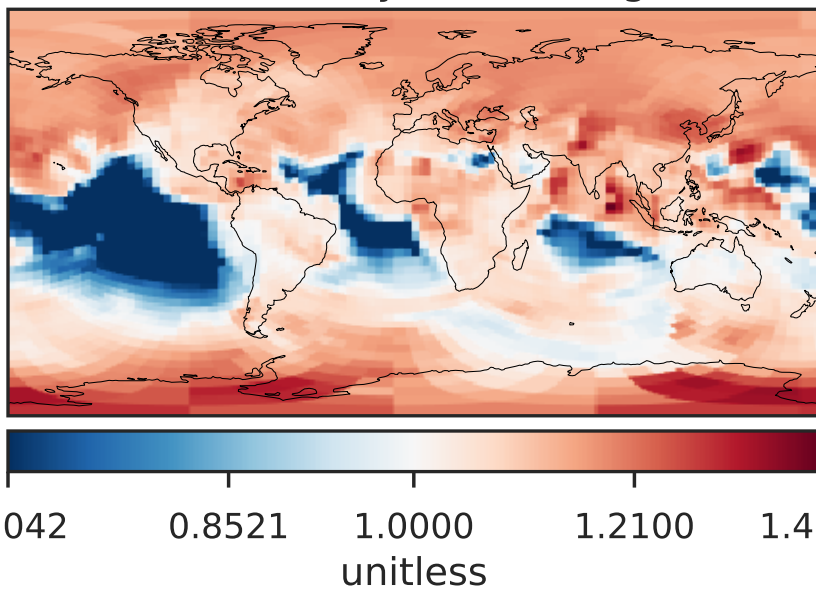
Difference (1x1.25)  
Dev - Ref, Dynamic Range



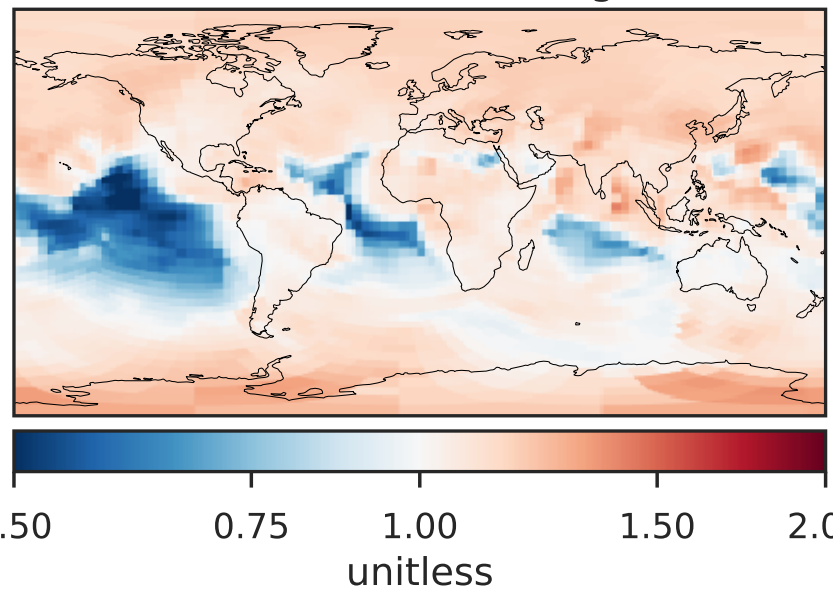
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

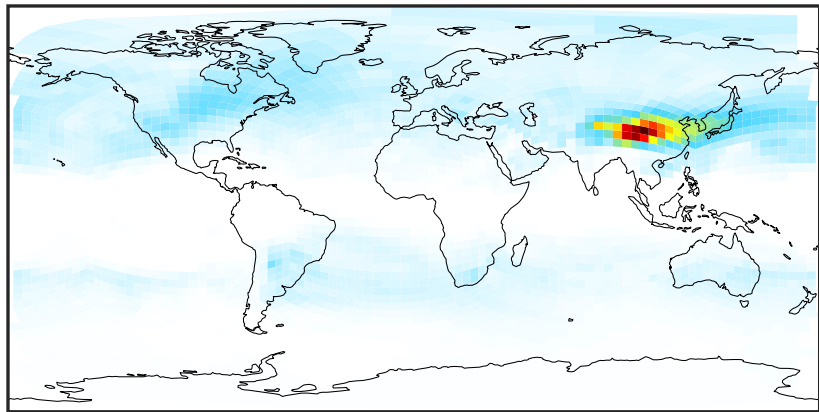


Ratio (1x1.25)  
Dev/Ref, Fixed Range



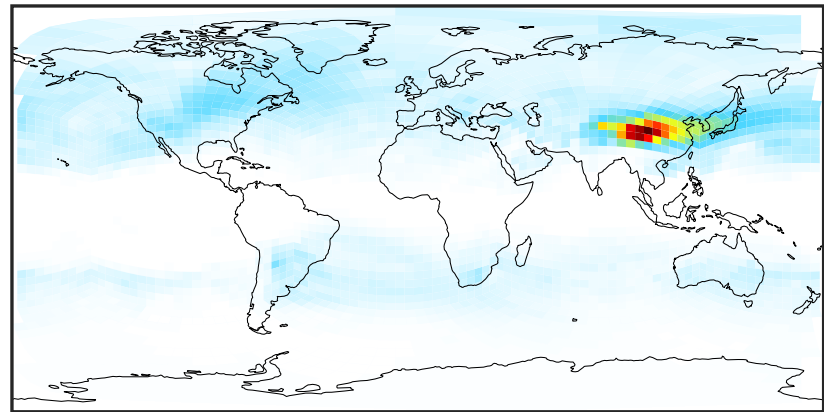
# SpeciesConcVV\_NIT (Oct2019)

14.2.0-rc.2 (Ref)  
c24



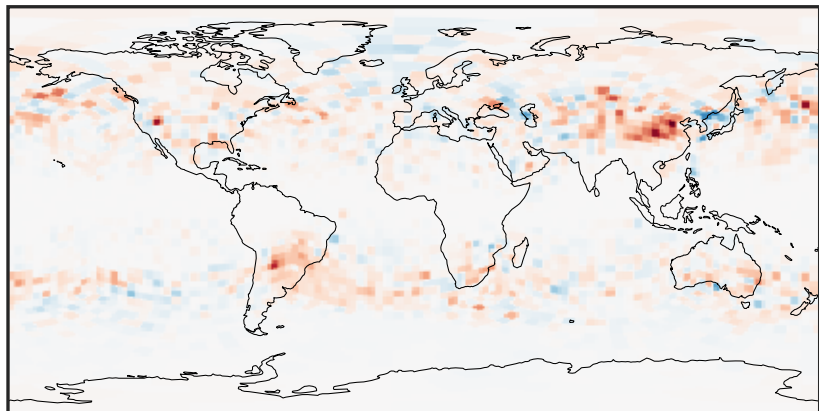
0.0000 0.1421 0.2842 0.4264 0.5685  
ppb

14.3.0-rc.0 (Dev)  
c24



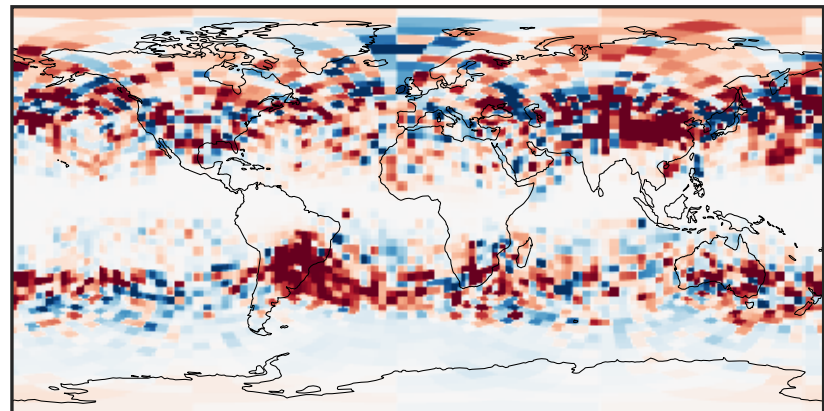
0.0000 0.1421 0.2842 0.4264 0.5685  
ppb

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



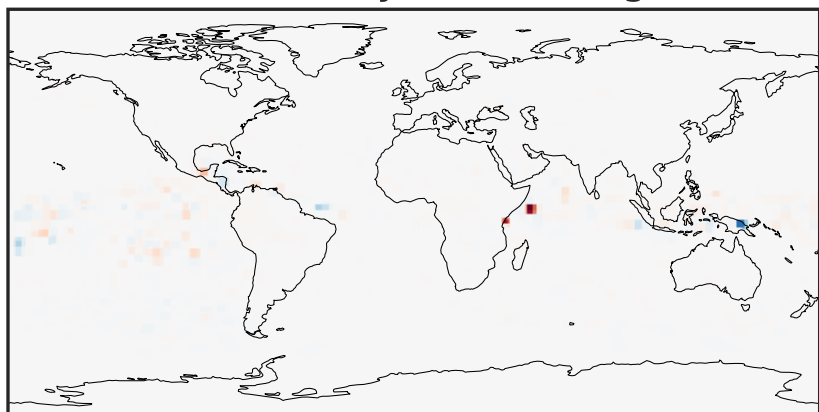
-0.0025 0.0000 0.0025  
ppb

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



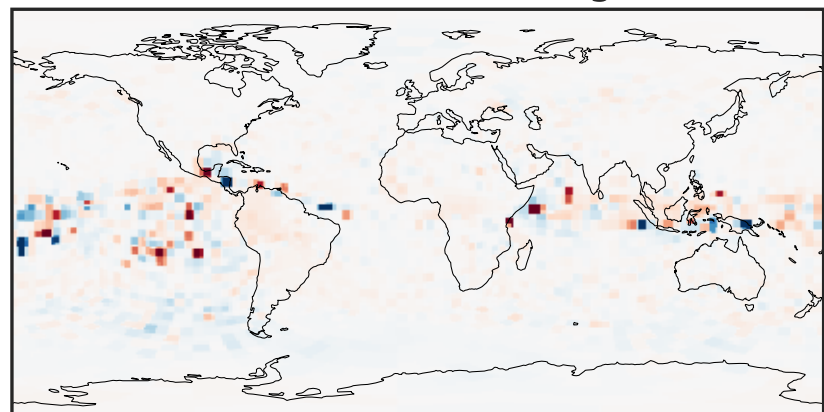
-0.0004 0.0000 0.0004  
ppb

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



1e-02 1e-01 1 10 100  
unitless

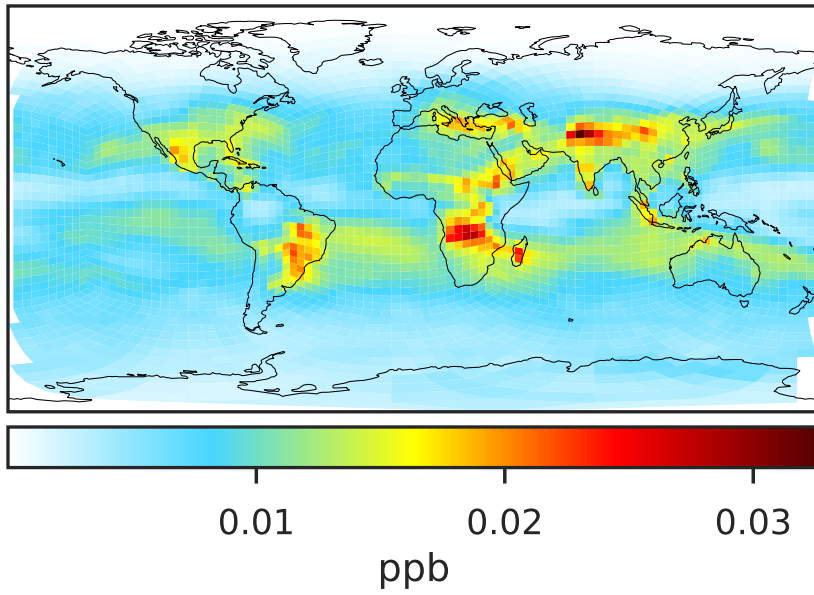
Ratio (1x1.25)  
Dev/Ref, Fixed Range



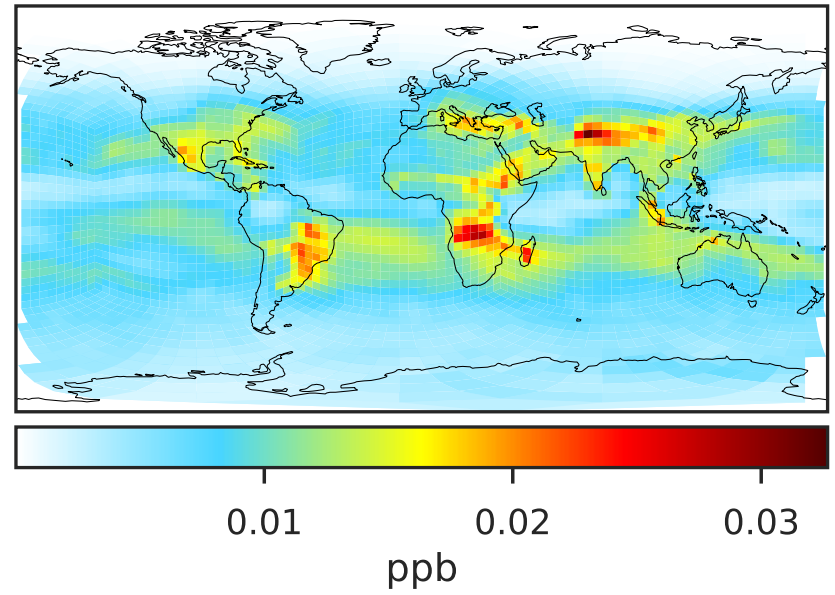
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_NO (Oct2019)

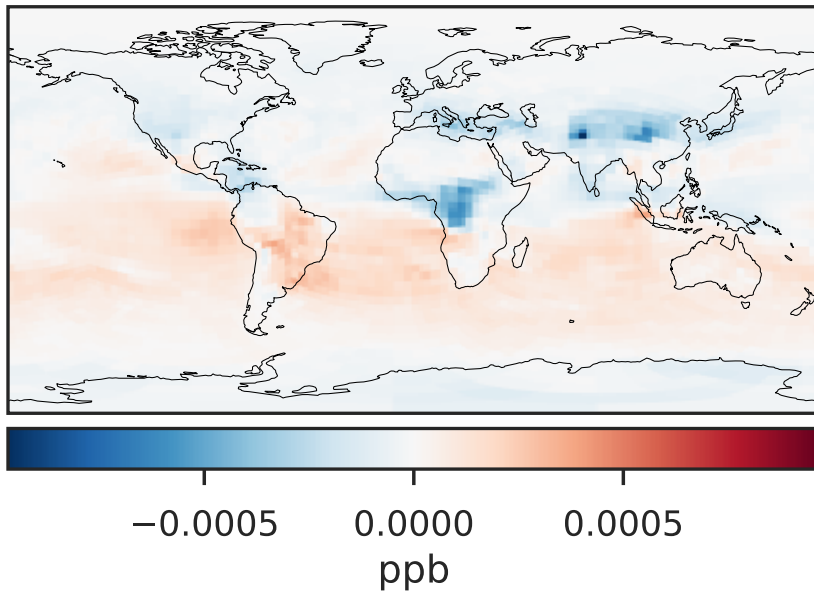
14.2.0-rc.2 (Ref)  
c24



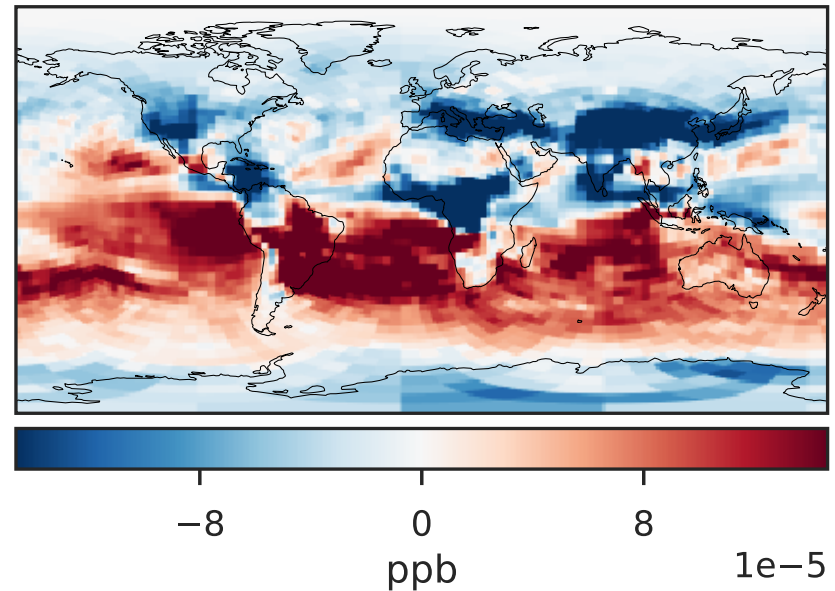
14.3.0-rc.0 (Dev)  
c24



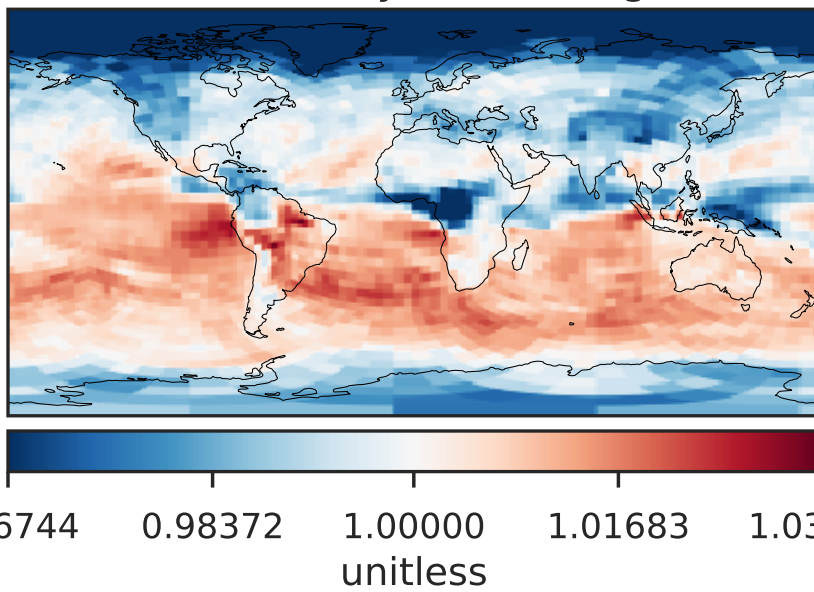
Difference (1x1.25)  
Dev - Ref, Dynamic Range



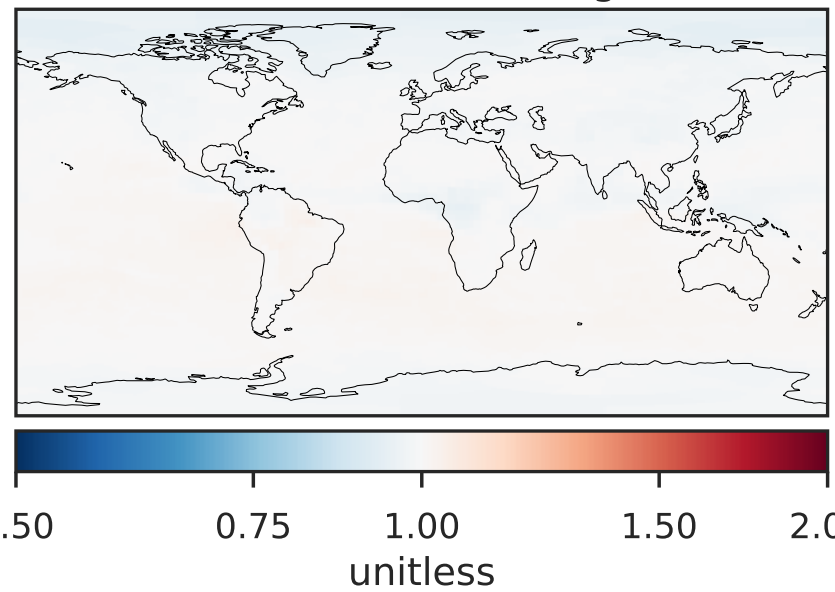
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



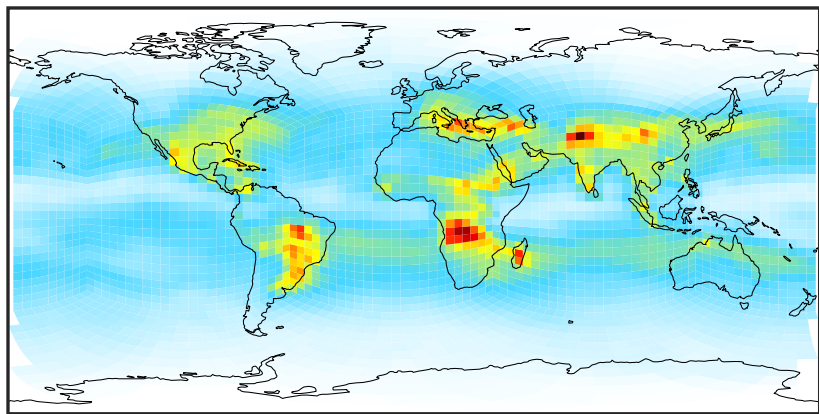
Ratio (1x1.25)  
Dev/Ref, Fixed Range





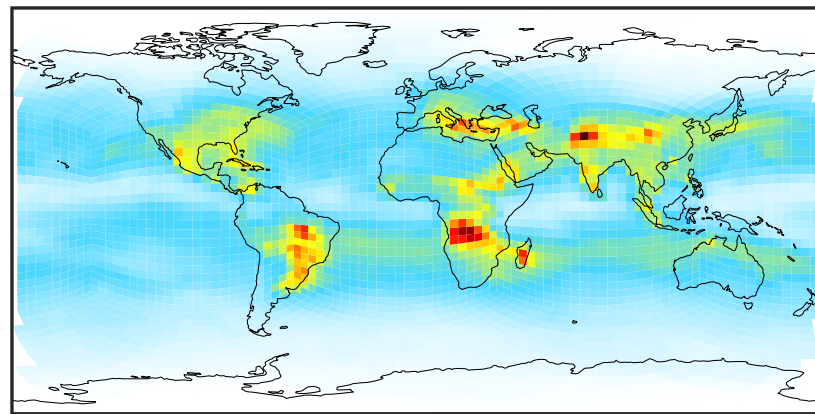
# SpeciesConcVW\_NO2 (Oct2019)

14.2.0-rc.2 (Ref)  
c24



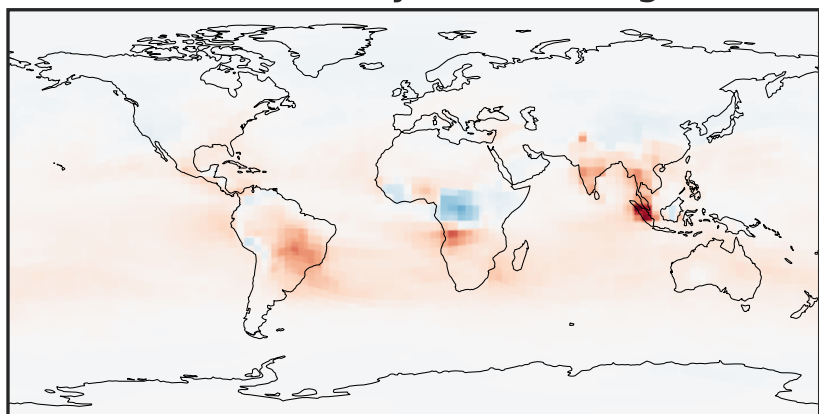
0.0010 0.0326 0.0641 0.0957 0.1272  
ppb

14.3.0-rc.0 (Dev)  
c24



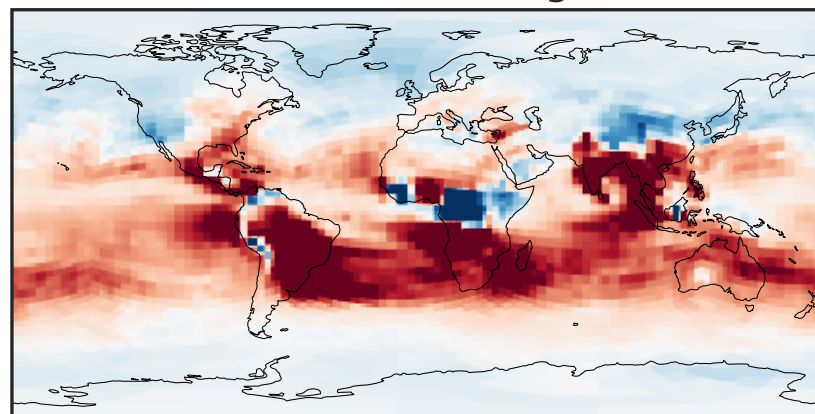
0.0010 0.0326 0.0641 0.0957 0.1272  
ppb

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



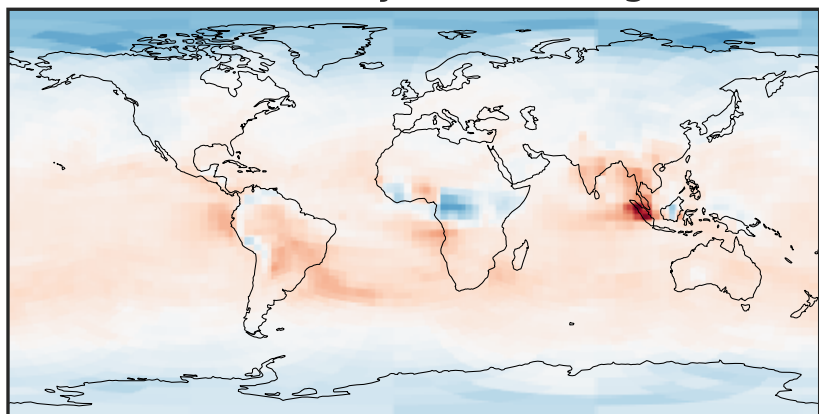
-0.0025 0.0000 0.0025  
ppb

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



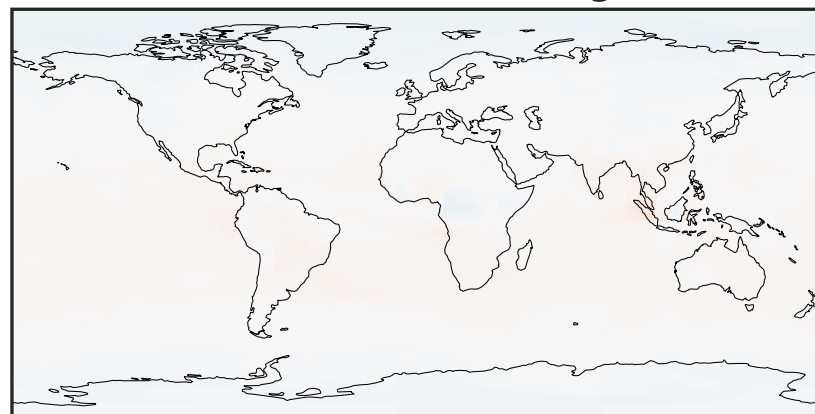
-0.0003 0.0000 0.0003  
ppb

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



0.9164 0.9582 1.0000 1.0456 1.0912  
unitless

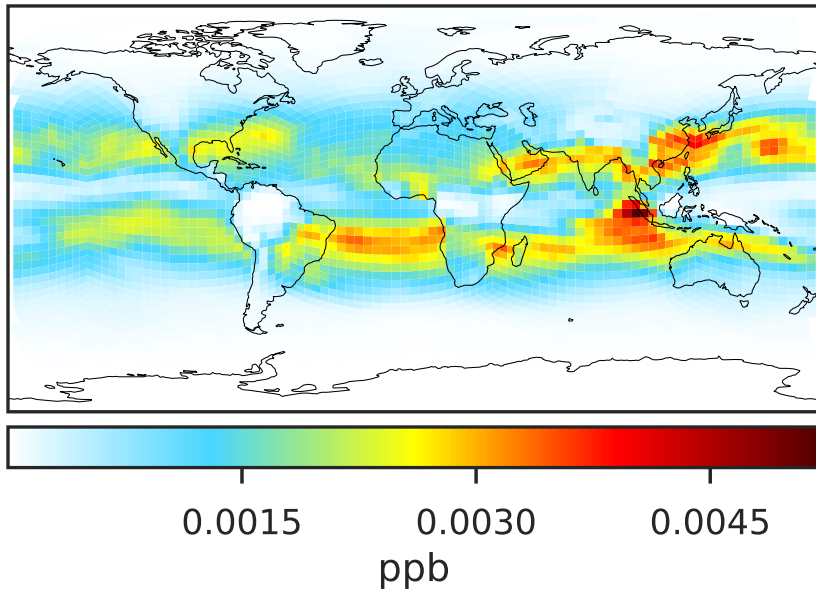
Ratio (1x1.25)  
Dev/Ref, Fixed Range



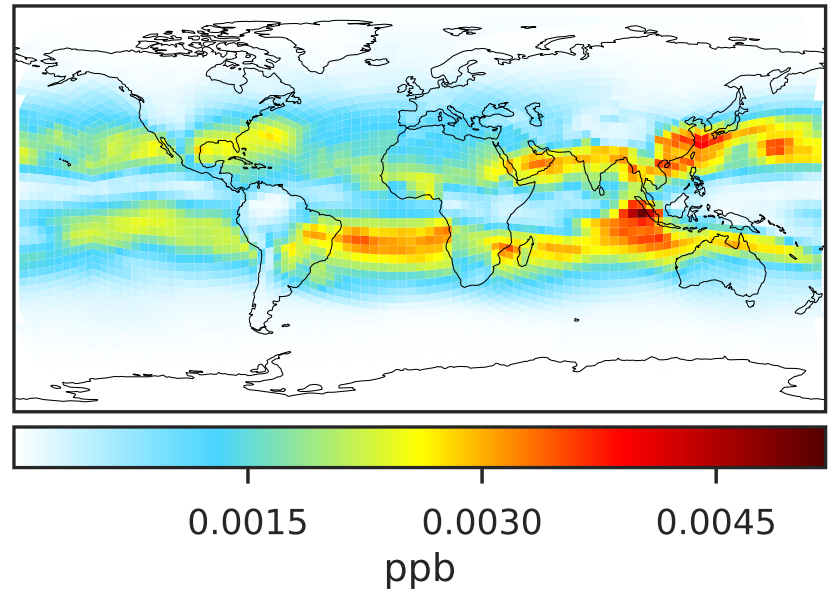
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVW\_NO3 (Oct2019)

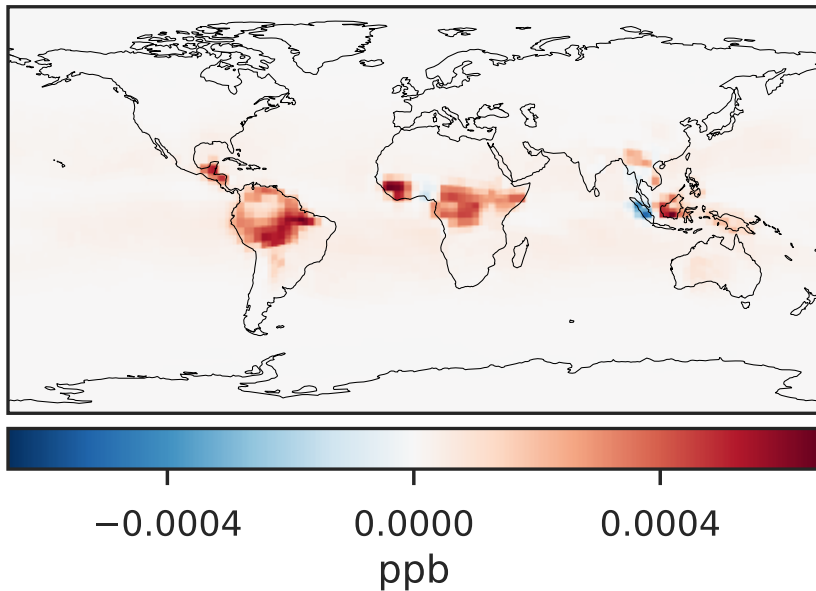
14.2.0-rc.2 (Ref)  
c24



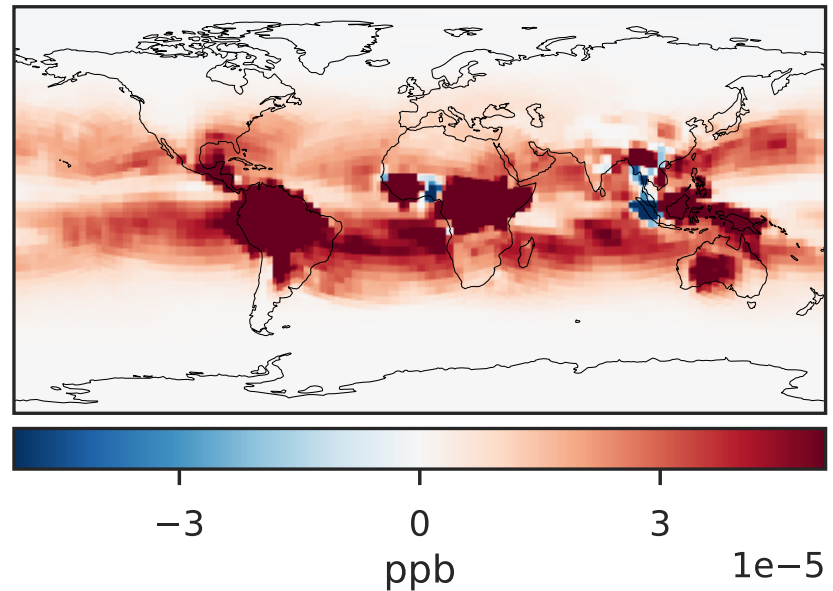
14.3.0-rc.0 (Dev)  
c24



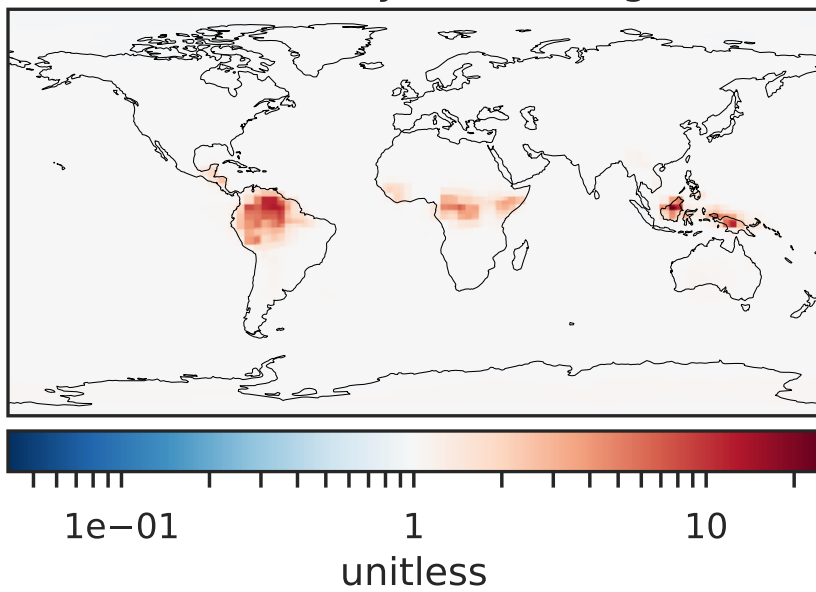
Difference (1x1.25)  
Dev - Ref, Dynamic Range



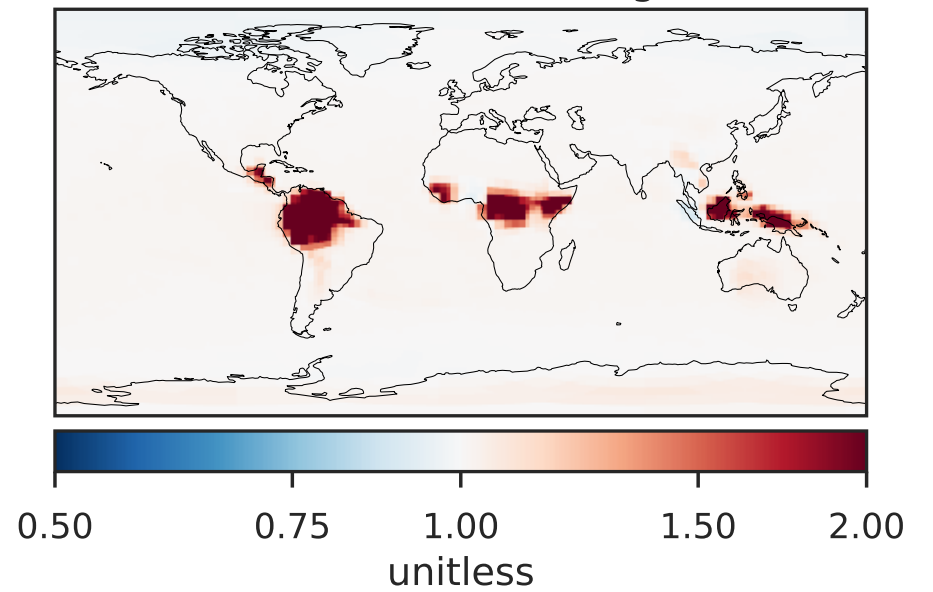
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

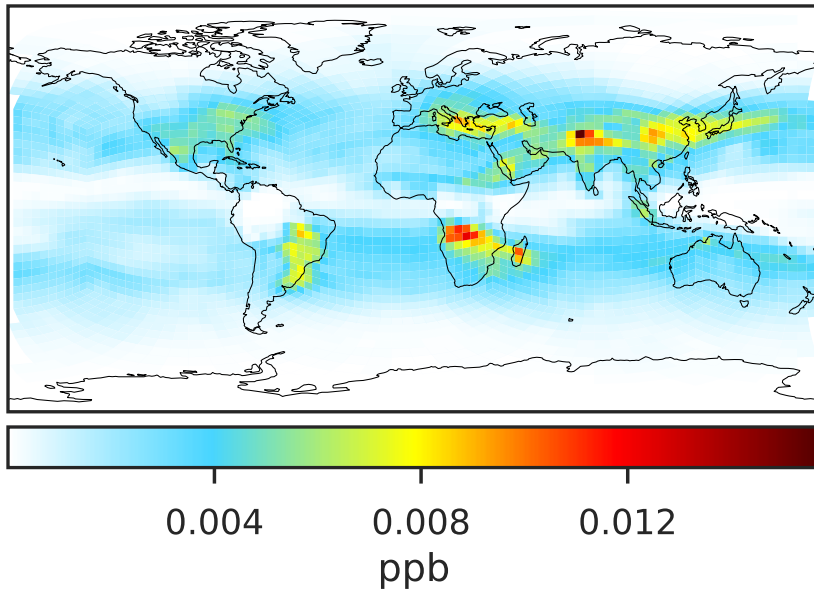


Ratio (1x1.25)  
Dev/Ref, Fixed Range

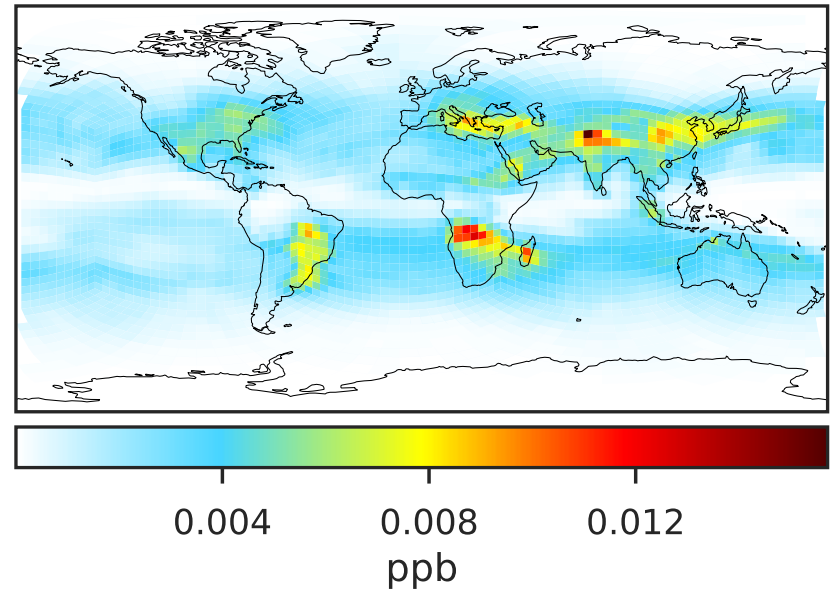


# SpeciesConcVV\_N2O5 (Oct2019)

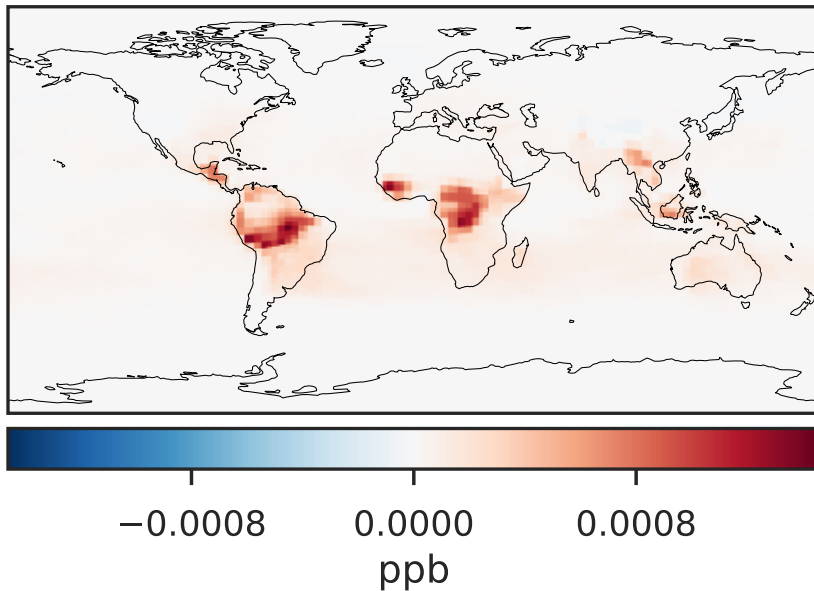
14.2.0-rc.2 (Ref)  
c24



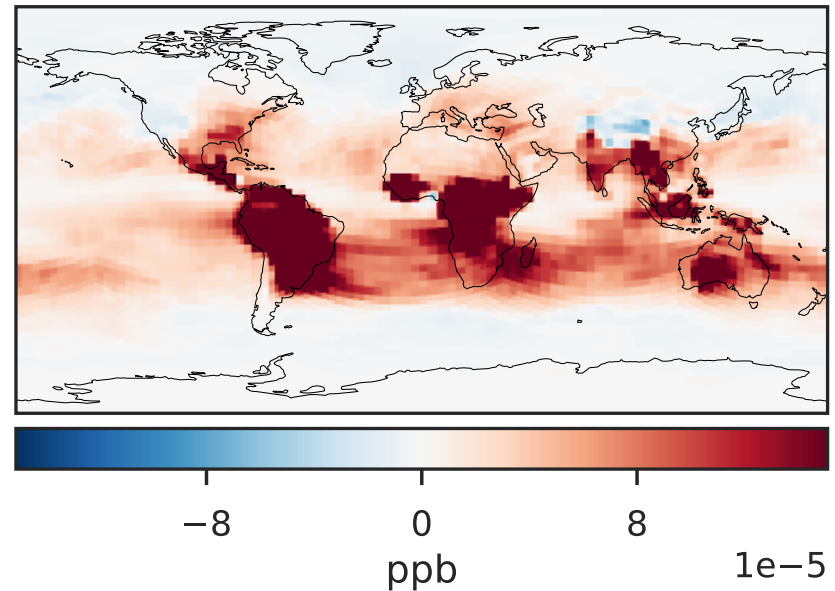
14.3.0-rc.0 (Dev)  
c24



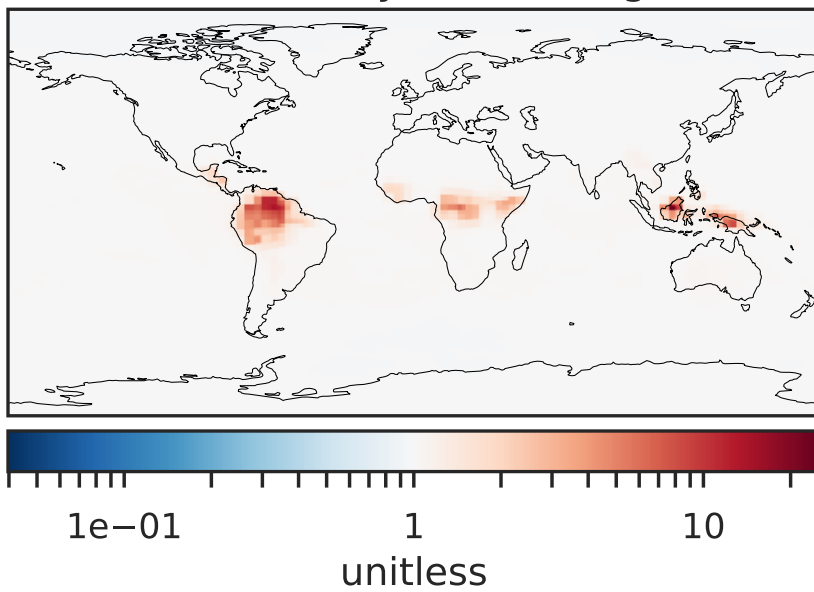
Difference (1x1.25)  
Dev - Ref, Dynamic Range



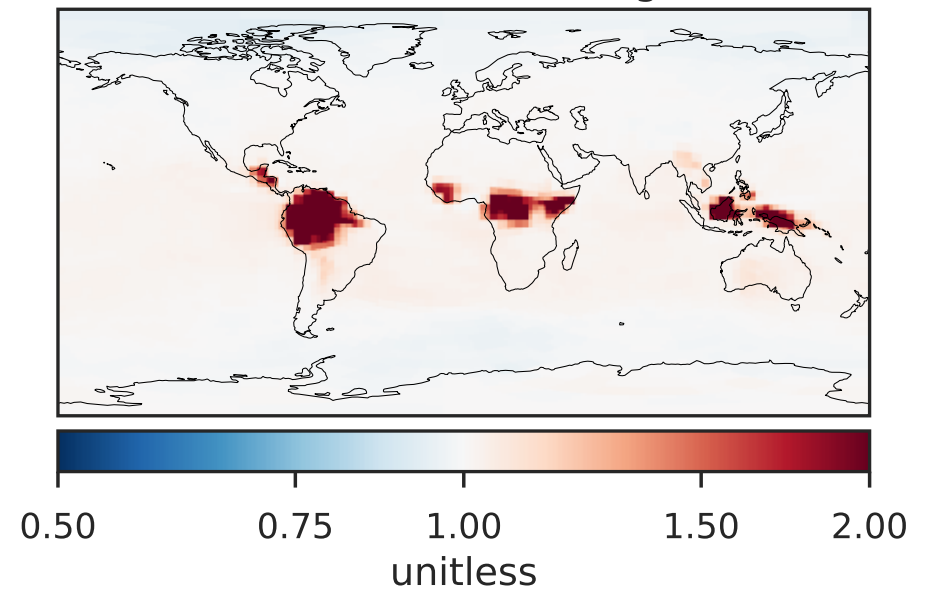
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

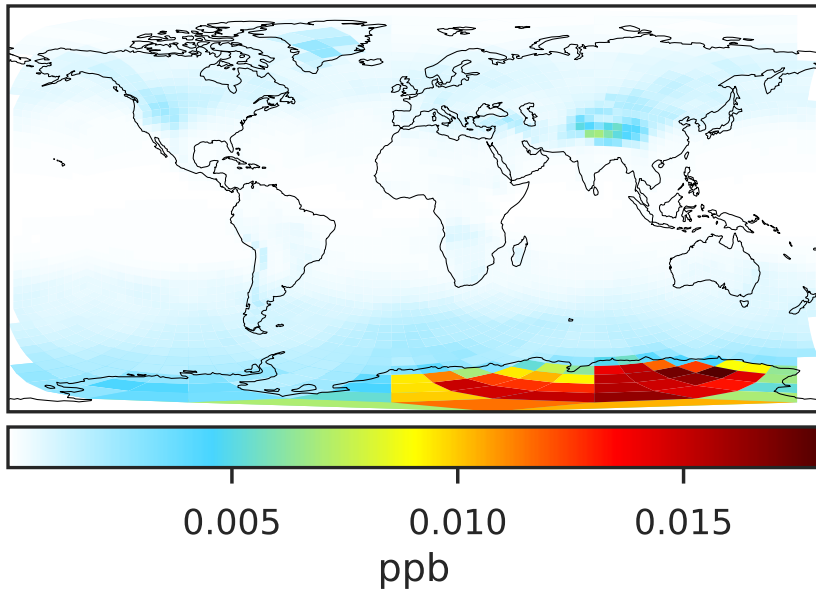


Ratio (1x1.25)  
Dev/Ref, Fixed Range

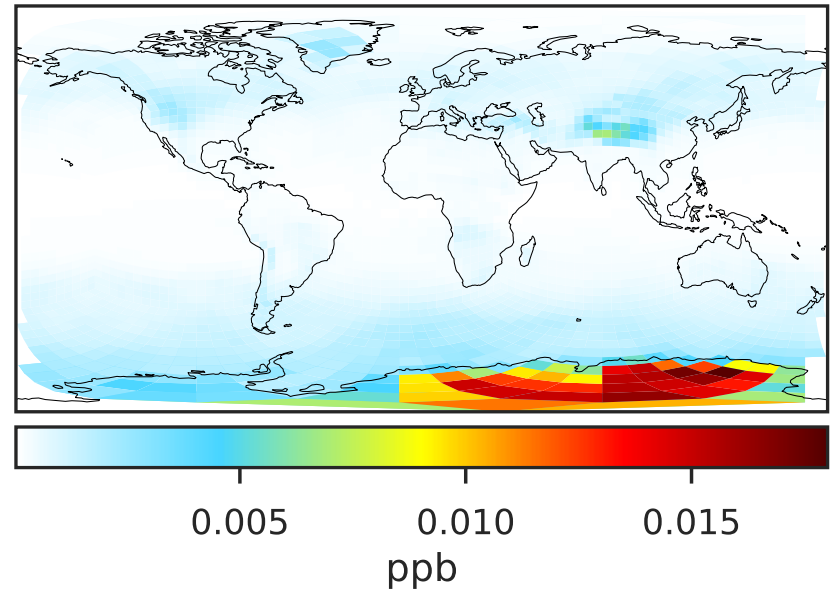


# SpeciesConcVW\_MPN (Oct2019)

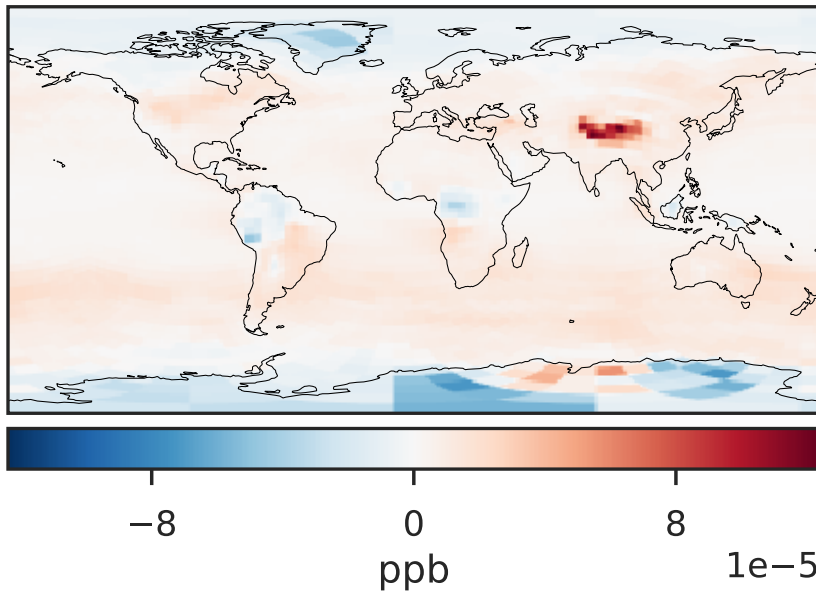
14.2.0-rc.2 (Ref)  
c24



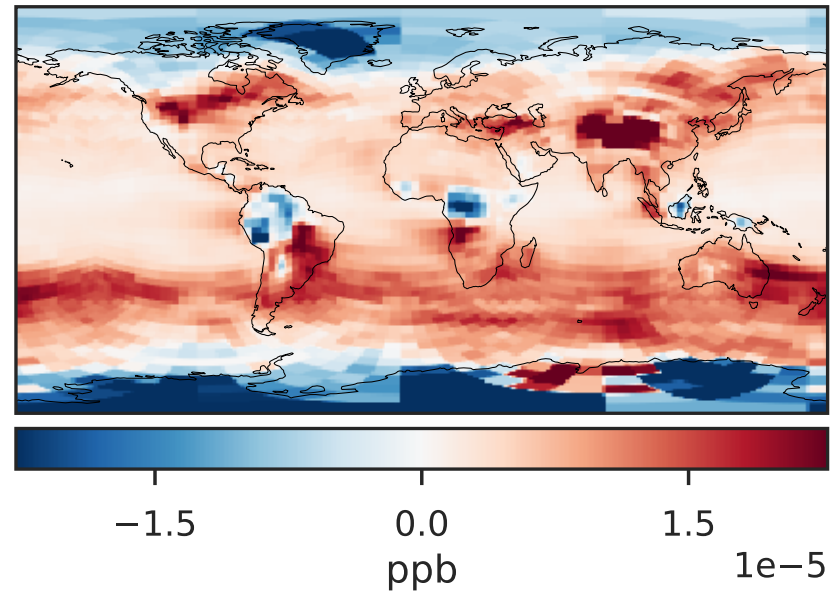
14.3.0-rc.0 (Dev)  
c24



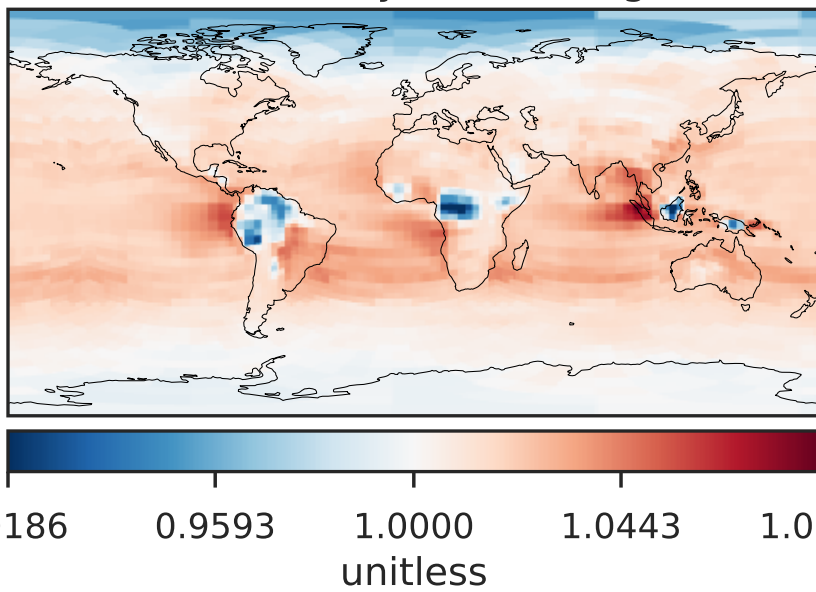
Difference (1x1.25)  
Dev - Ref, Dynamic Range



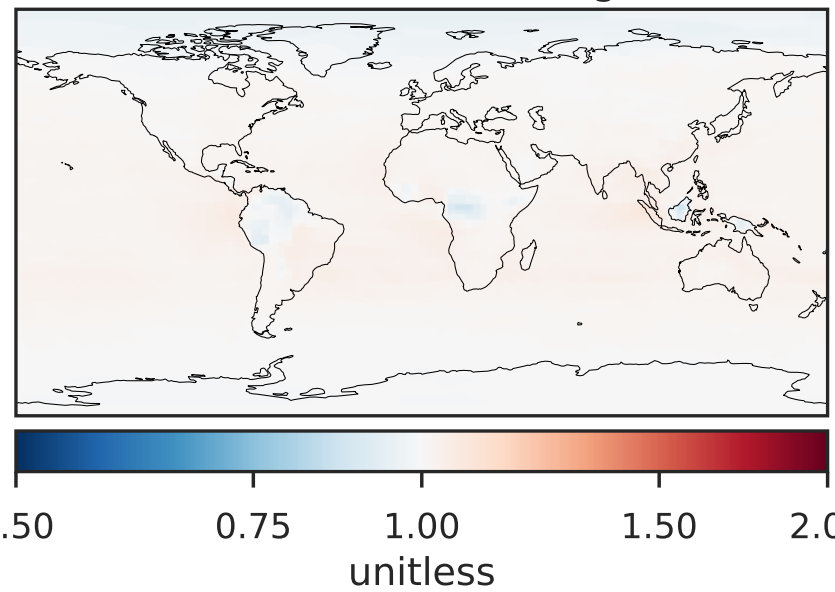
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

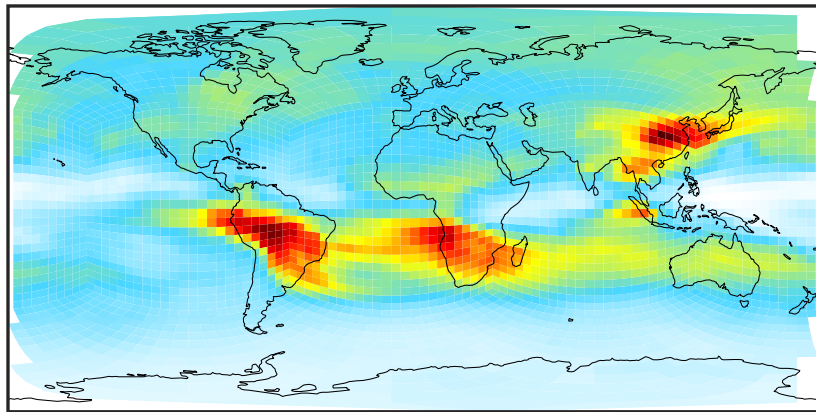


Ratio (1x1.25)  
Dev/Ref, Fixed Range



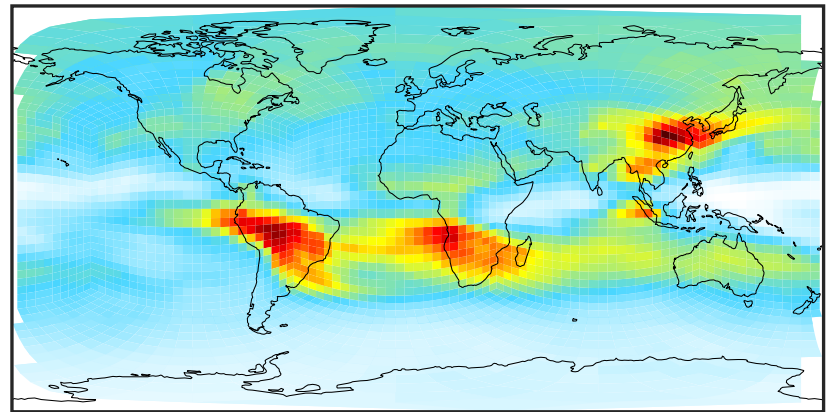
# SpeciesConcVV\_PAN (Oct2019)

14.2.0-rc.2 (Ref)  
c24



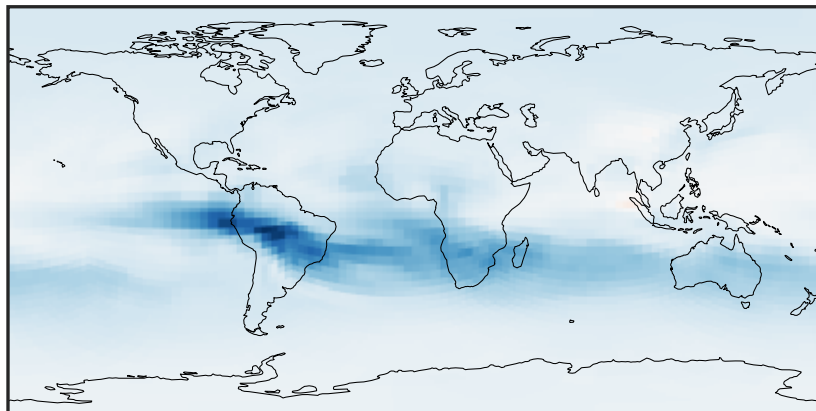
0.0075 0.1282 0.2490 0.3697 0.4904  
ppb

14.3.0-rc.0 (Dev)  
c24



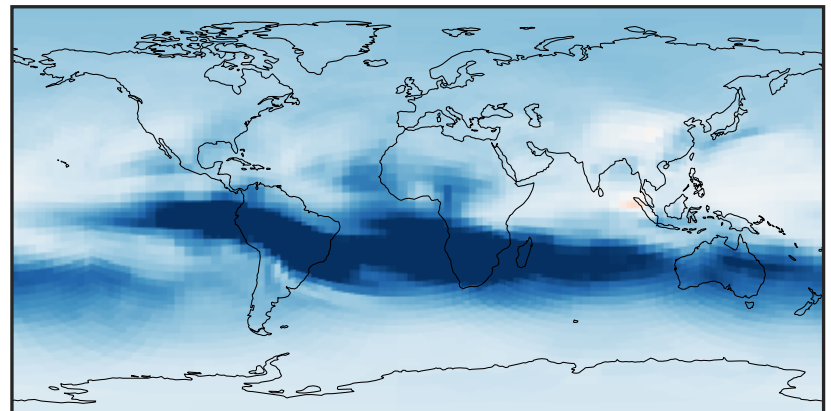
0.0075 0.1282 0.2490 0.3697 0.4904  
ppb

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



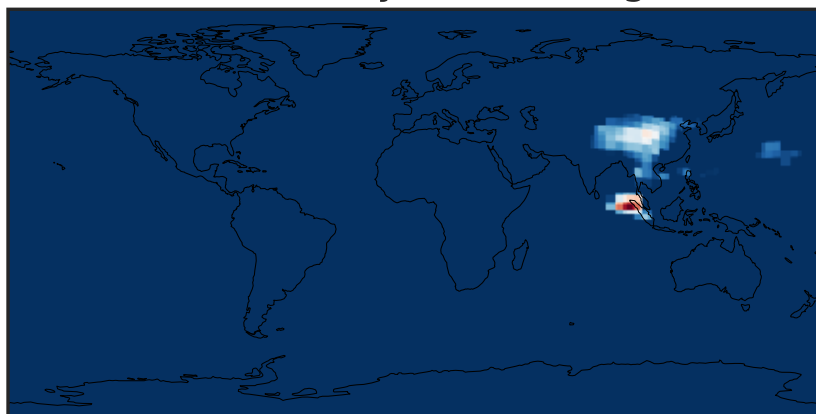
-0.015 0.000 0.015  
ppb

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



-0.005 0.000 0.005  
ppb

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



0.99293 0.99647 1.00000 1.00356 1.00712  
unitless

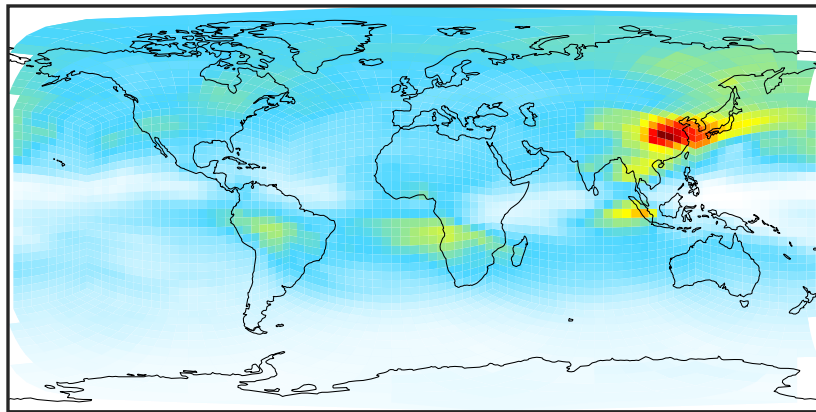
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

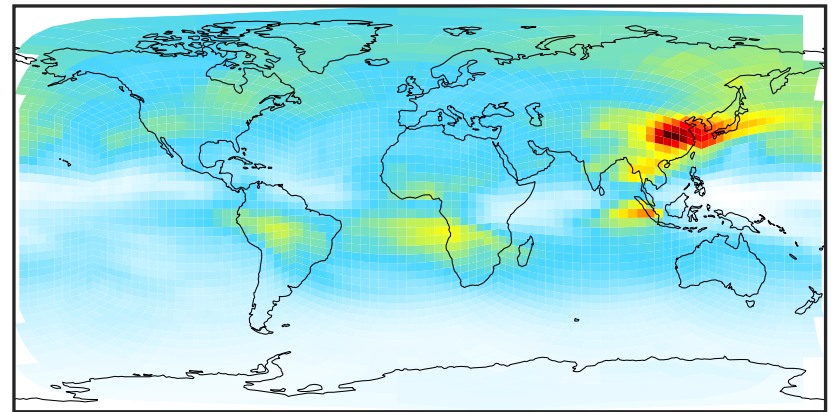
# SpeciesConcVV\_PPN (Oct2019)

14.2.0-rc.2 (Ref)  
c24



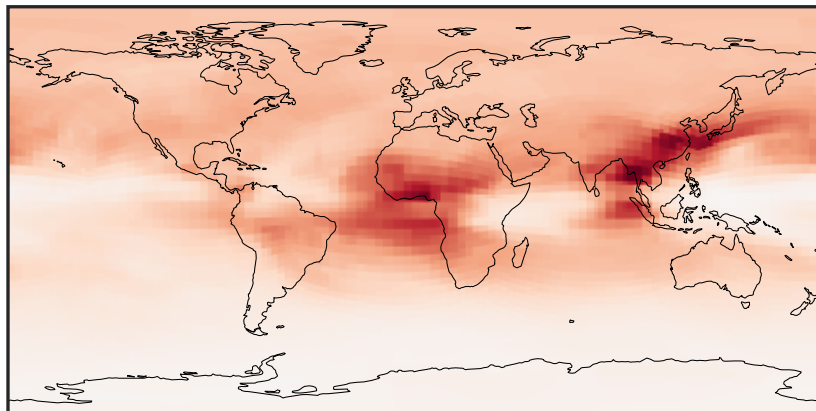
0.0010 0.0269 0.0528 0.0787 0.1046  
ppb

14.3.0-rc.0 (Dev)  
c24



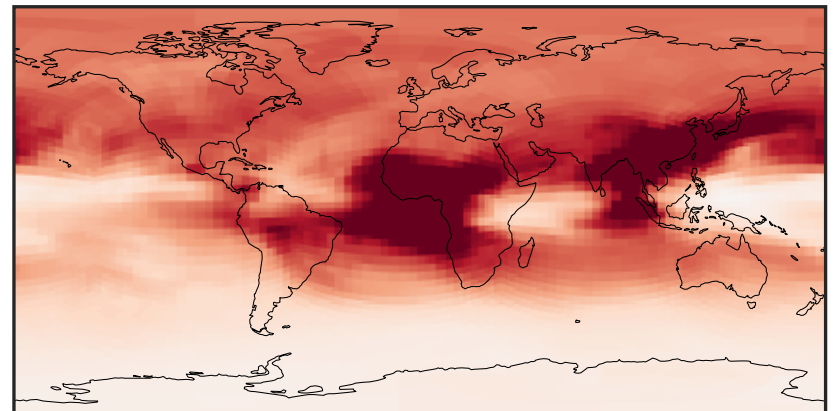
0.0010 0.0269 0.0528 0.0787 0.1046  
ppb

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



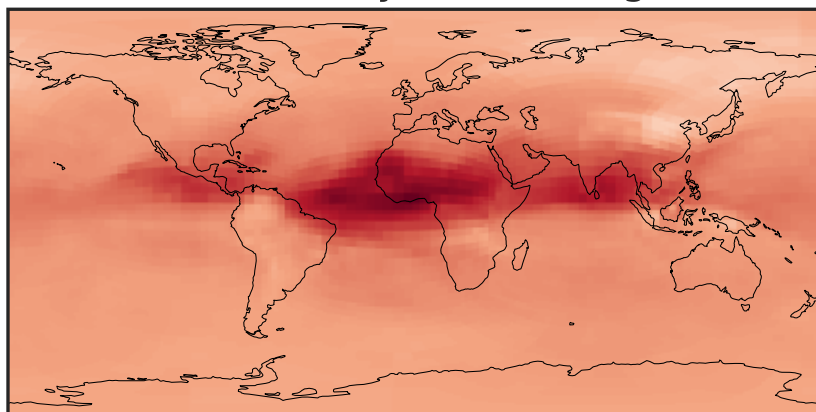
-0.005 0.000 0.005  
ppb

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



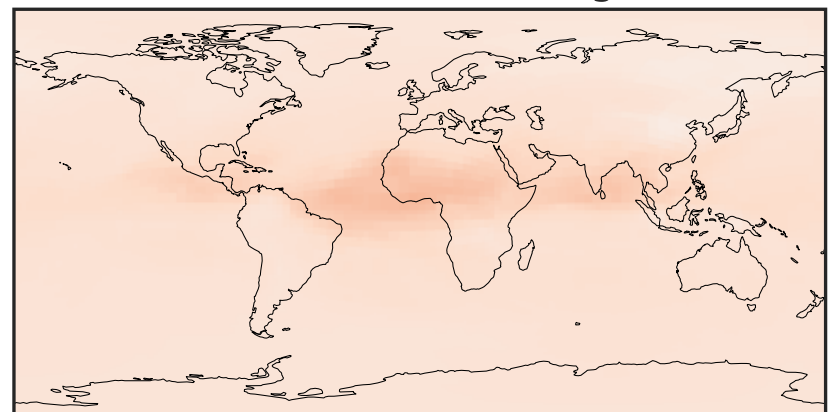
-0.0025 0.0000 0.0025  
ppb

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



0.7956 0.8978 1.0000 1.1284 1.2569  
unitless

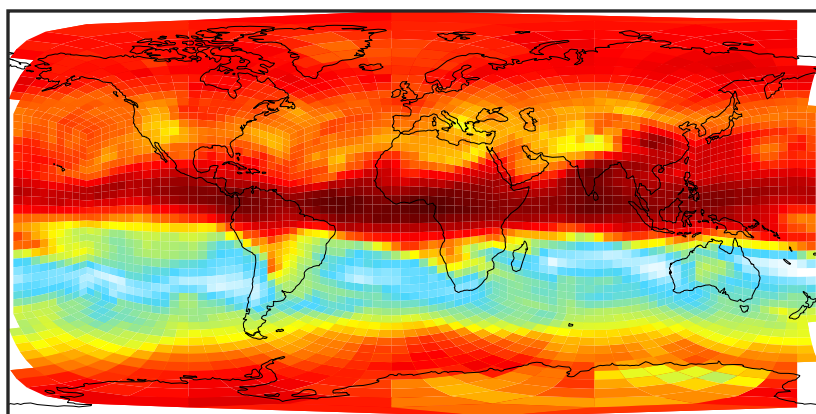
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

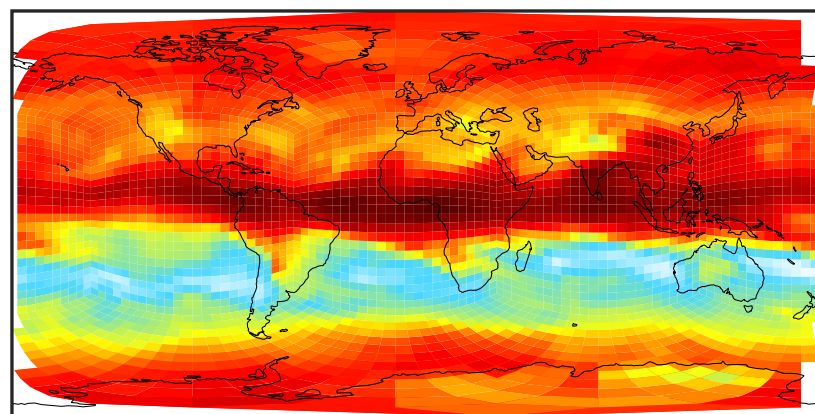
# SpeciesConcVW\_N2O (Oct2019)

14.2.0-rc.2 (Ref)  
c24



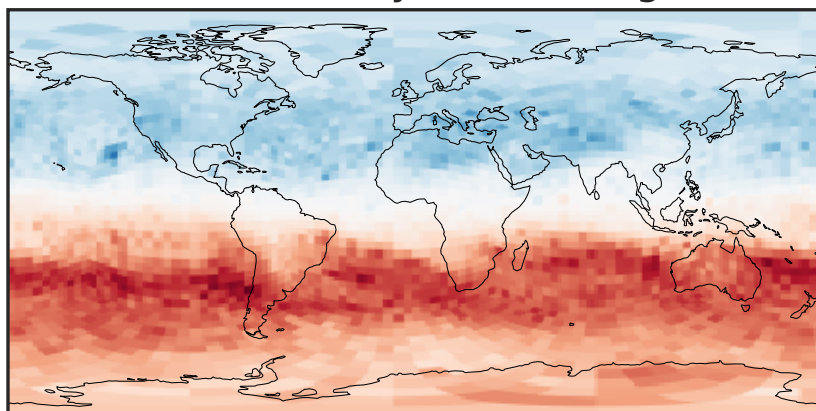
329.7599 329.9409 330.1219 330.3028 330.4838  
ppb

14.3.0-rc.0 (Dev)  
c24



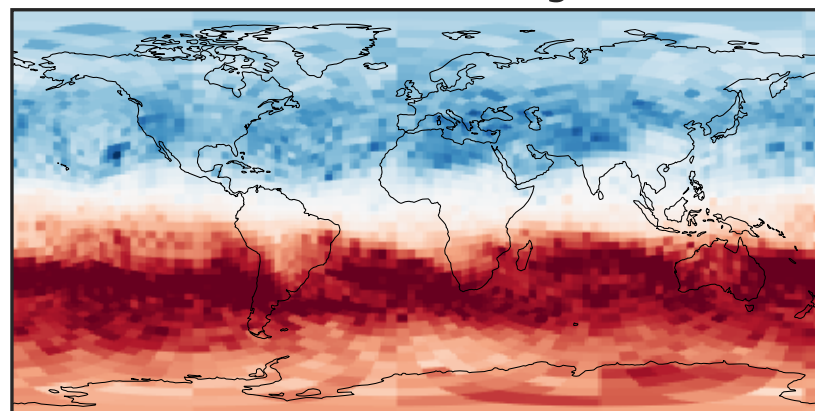
329.7599 329.9409 330.1219 330.3028 330.4838  
ppb

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



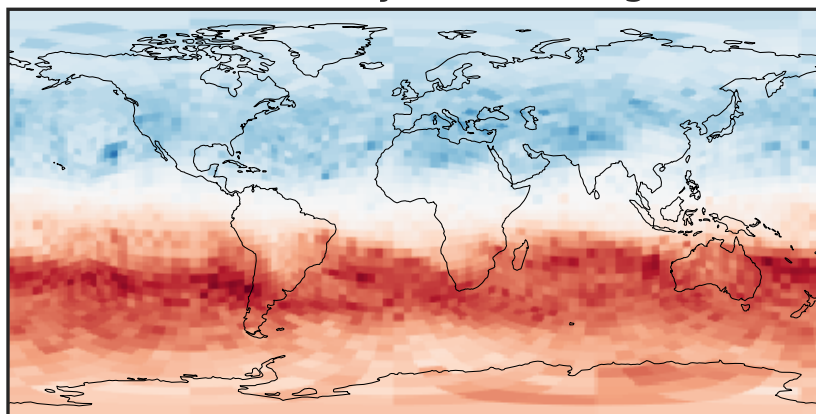
-0.015 0.000 0.015  
ppb

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



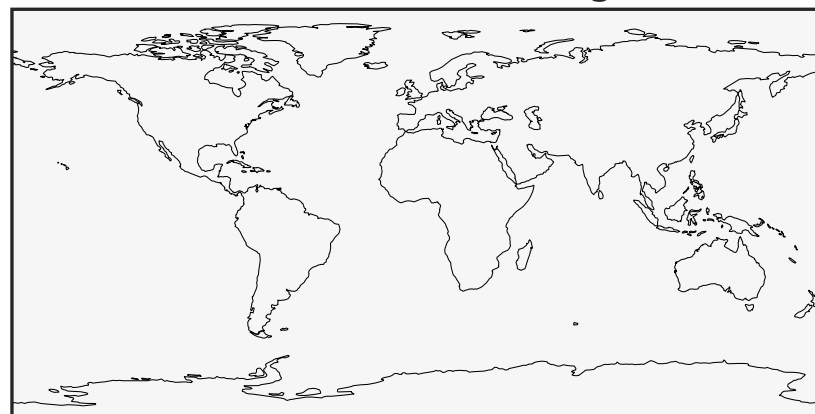
-0.008 0.000 0.008  
ppb

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



0.9999325 1.000000 1.0000675  
unitless

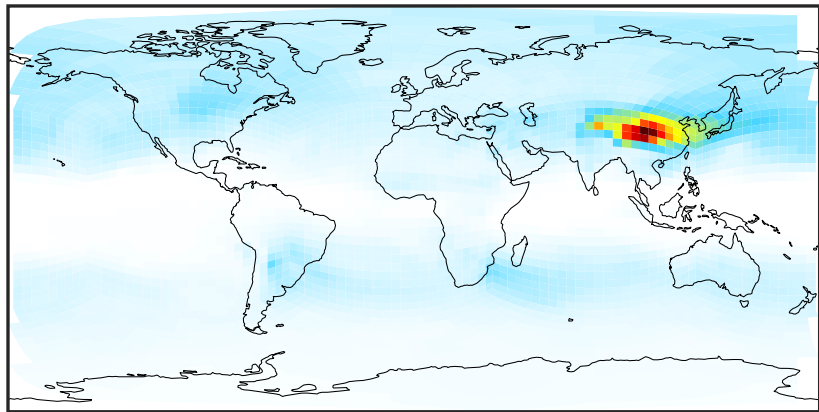
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

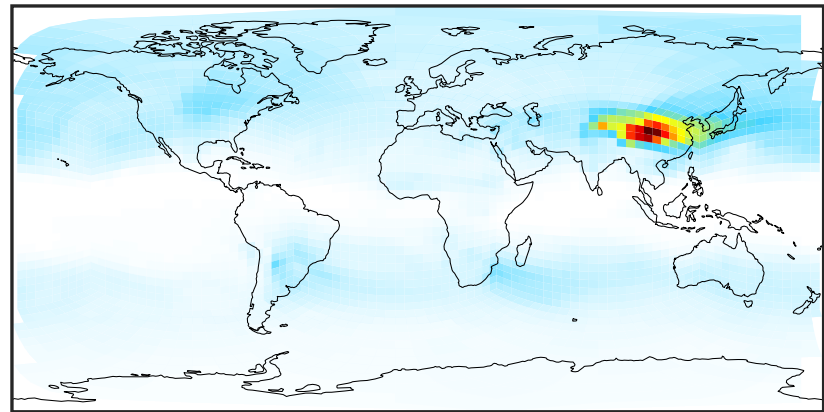
# SpeciesConcVV\_NHx (Oct2019)

14.2.0-rc.2 (Ref)  
c24



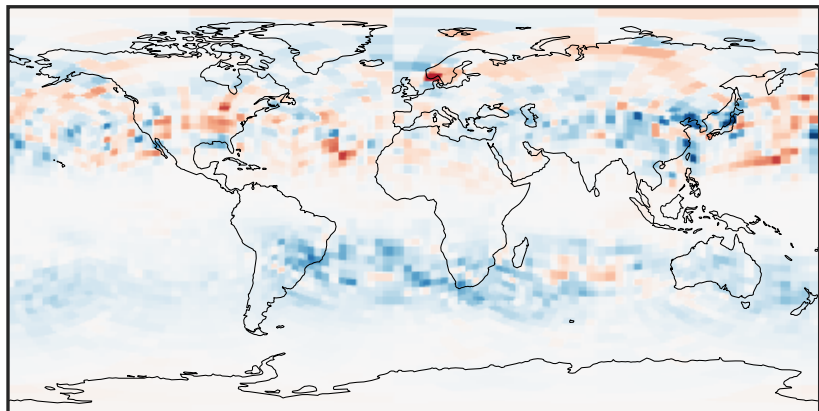
0.00 0.36 0.72 1.08 1.44  
ppb

14.3.0-rc.0 (Dev)  
c24



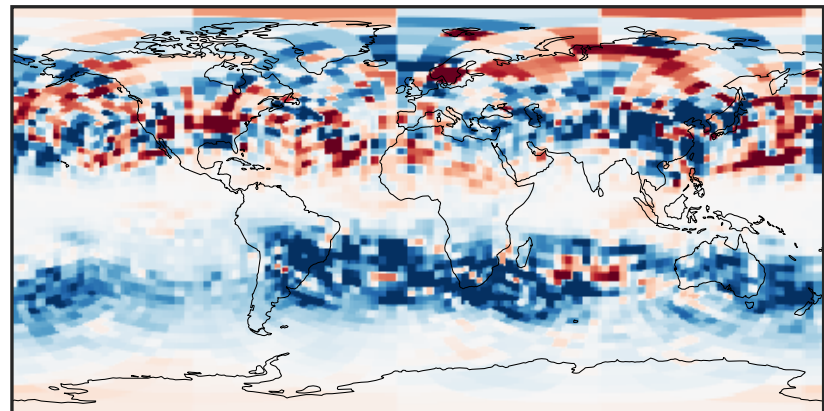
0.00 0.36 0.72 1.08 1.44  
ppb

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



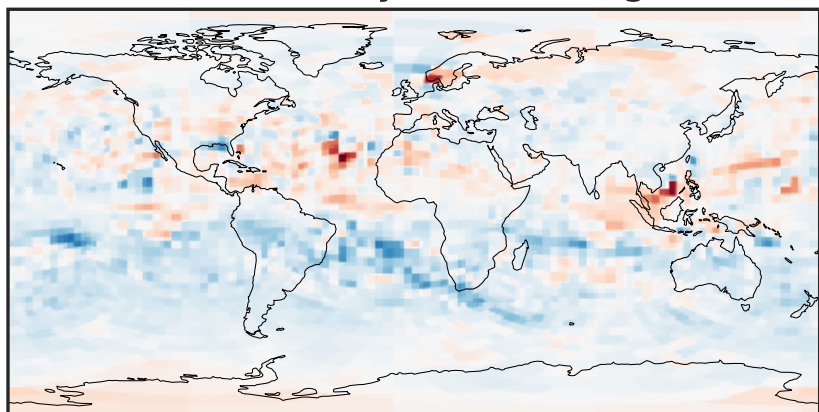
-0.0006 0.0000 0.0006  
ppb

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



-0.00015 0.00000 0.00015  
ppb

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



0.98597 0.99299 1.00000 1.00711 1.01423  
unitless

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

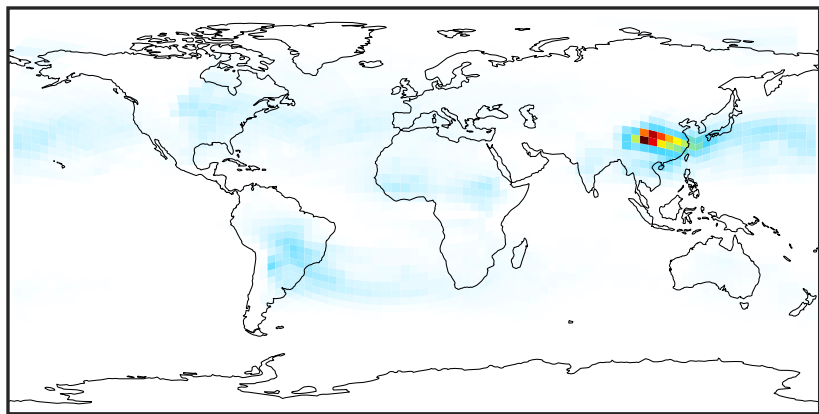


0.50 0.75 1.00 1.50 2.00  
unitless



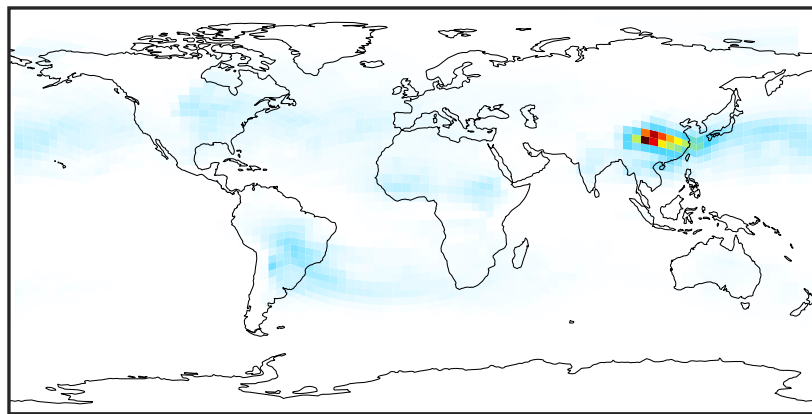
# SpeciesConcVV\_NH3 (Oct2019)

14.2.0-rc.2 (Ref)  
c24



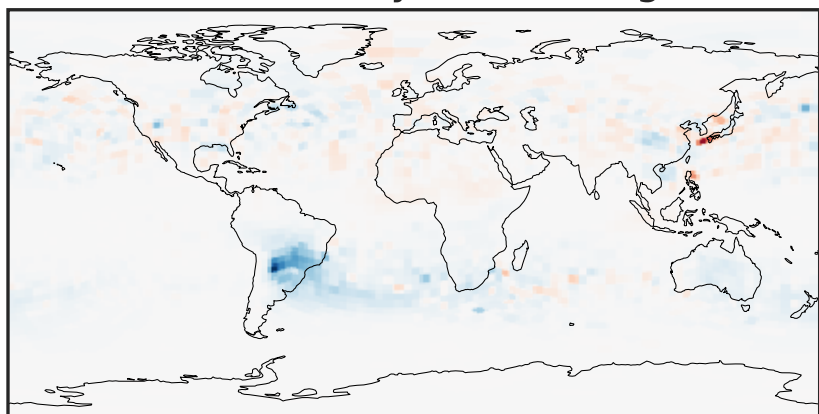
0.0000 0.1139 0.2277 0.3416 0.4554  
ppb

14.3.0-rc.0 (Dev)  
c24



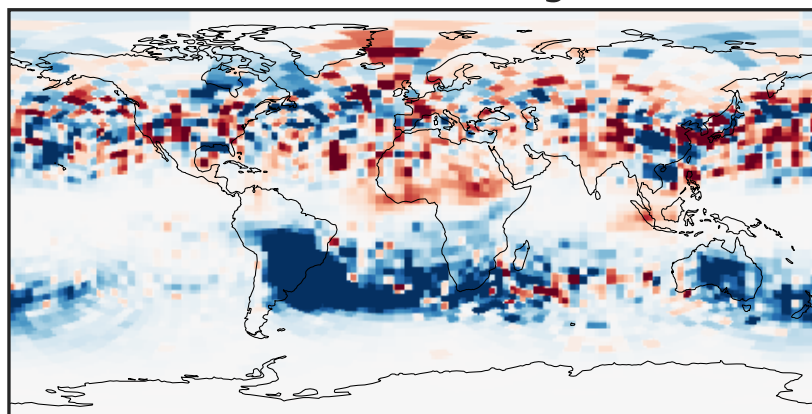
0.0000 0.1139 0.2277 0.3416 0.4554  
ppb

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



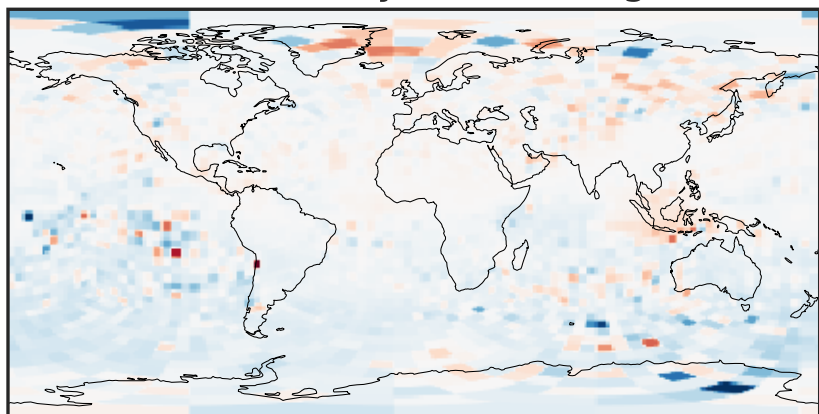
-0.002 0.000 0.002  
ppb

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



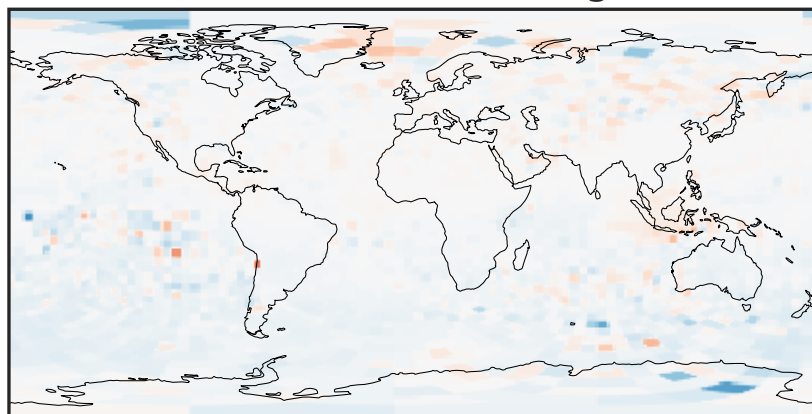
-0.00015 0.00000 0.00015  
ppb

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



0.6859 0.8429 1.0000 1.2290 1.4580  
unitless

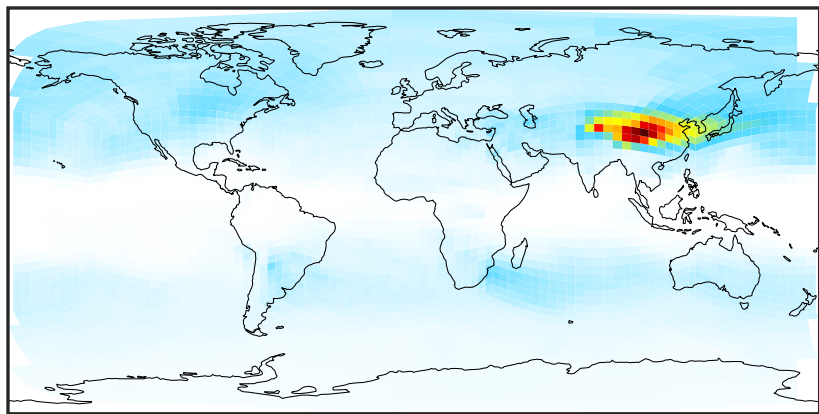
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

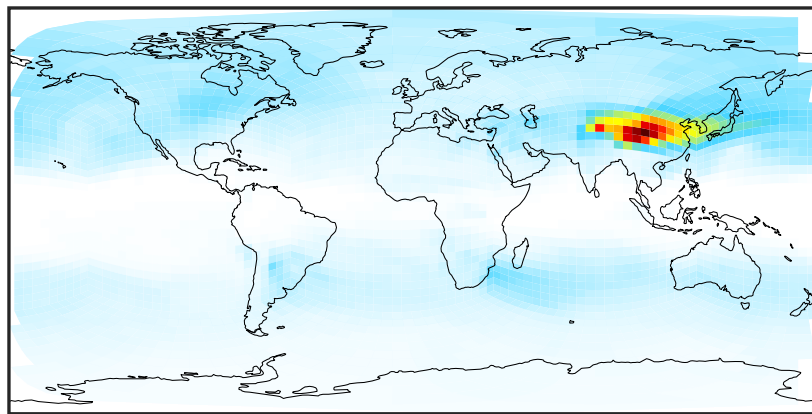
# SpeciesConcVV\_NH4 (Oct2019)

14.2.0-rc.2 (Ref)  
c24



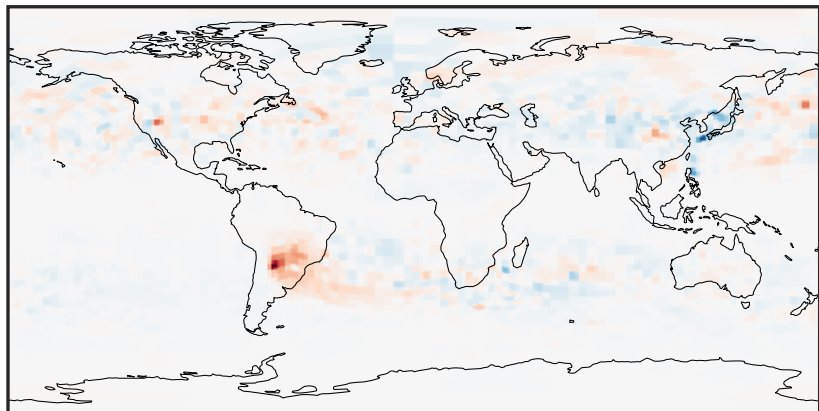
0.001 0.287 0.574 0.861 1.148  
ppb

14.3.0-rc.0 (Dev)  
c24



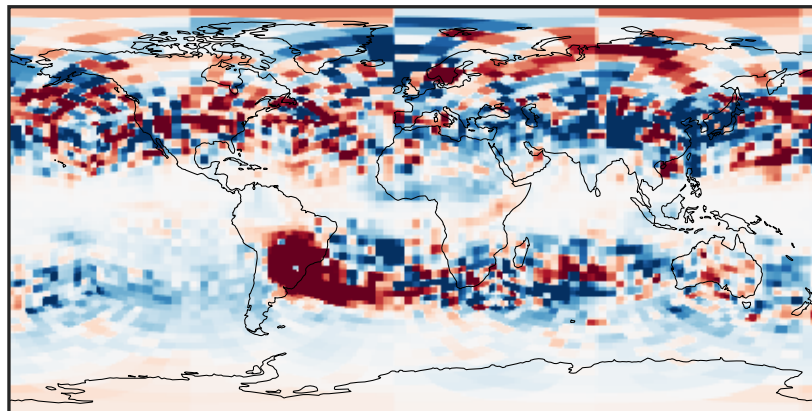
0.001 0.287 0.574 0.861 1.148  
ppb

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



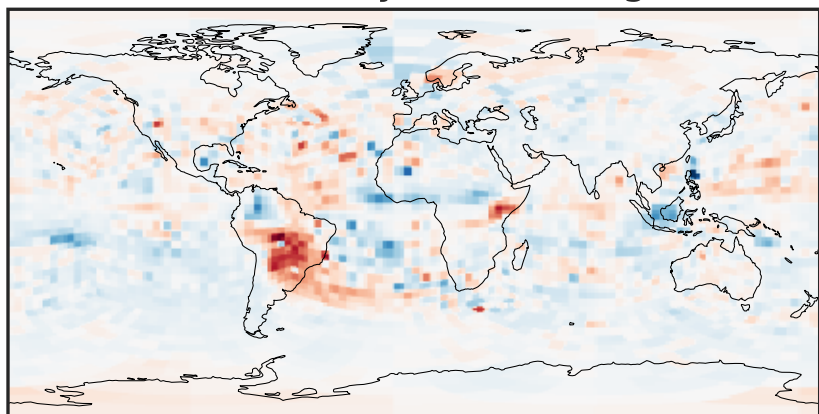
-0.002 0.000 0.002  
ppb

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



-0.00015 0.00000 0.00015  
ppb

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



0.98126 0.99063 1.00000 1.00955 1.01910  
unitless

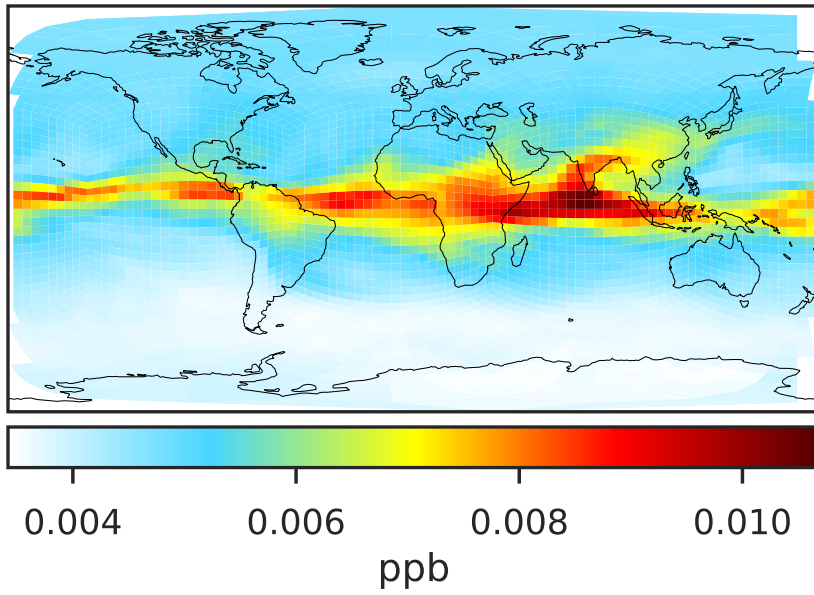
Ratio (1x1.25)  
Dev/Ref, Fixed Range



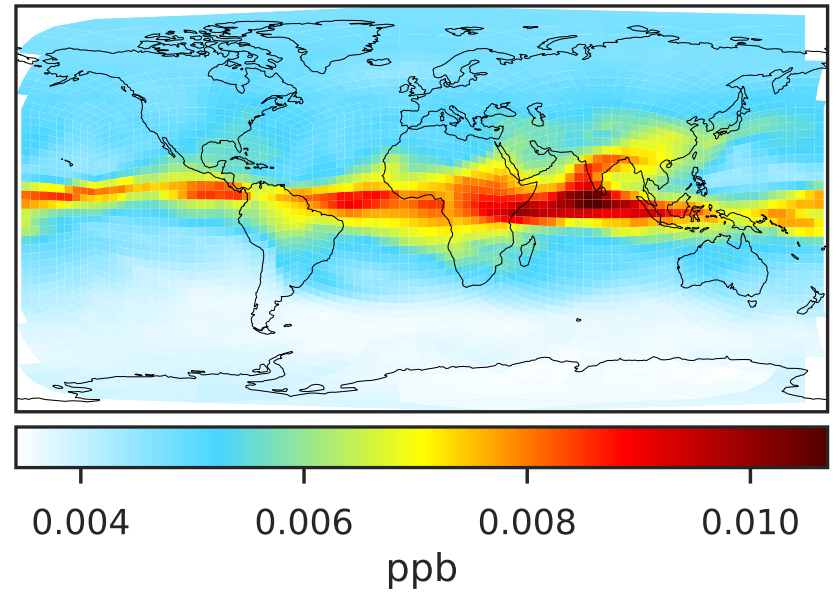
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_MENO3 (Oct2019)

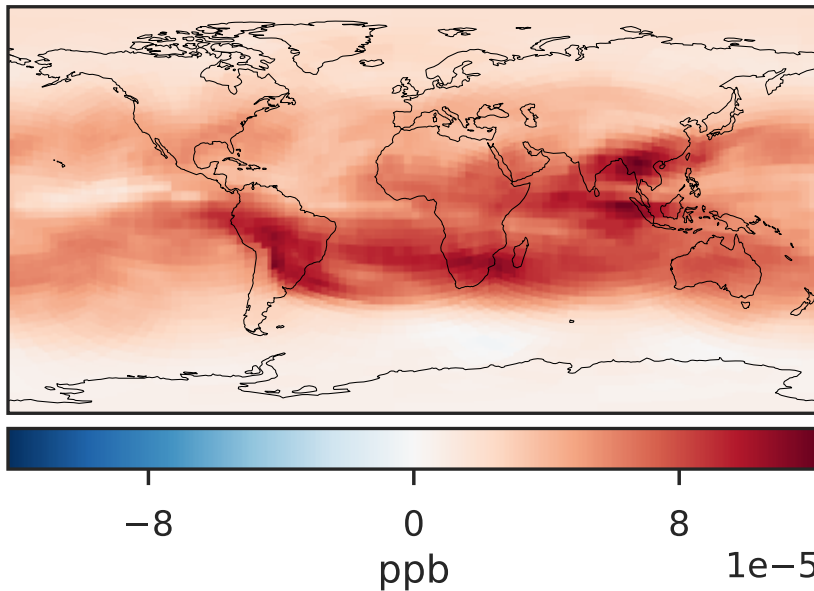
14.2.0-rc.2 (Ref)  
c24



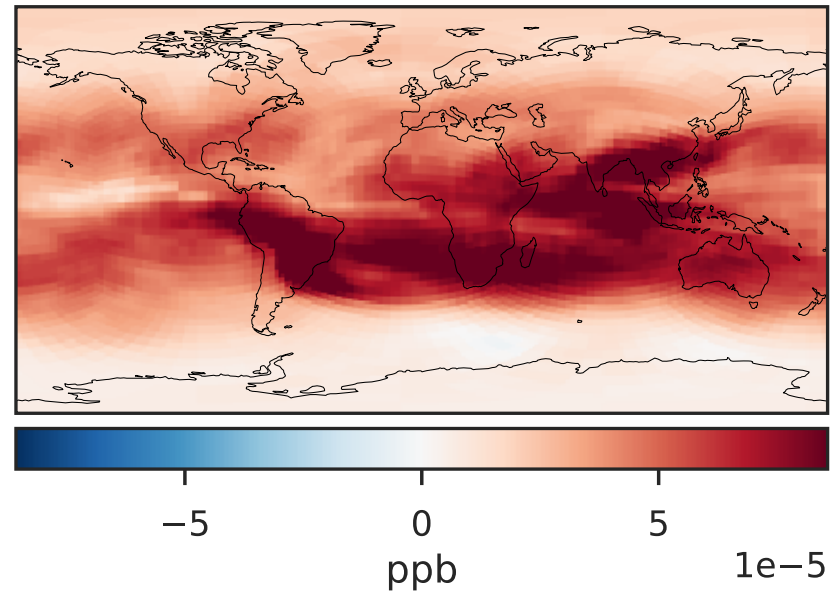
14.3.0-rc.0 (Dev)  
c24



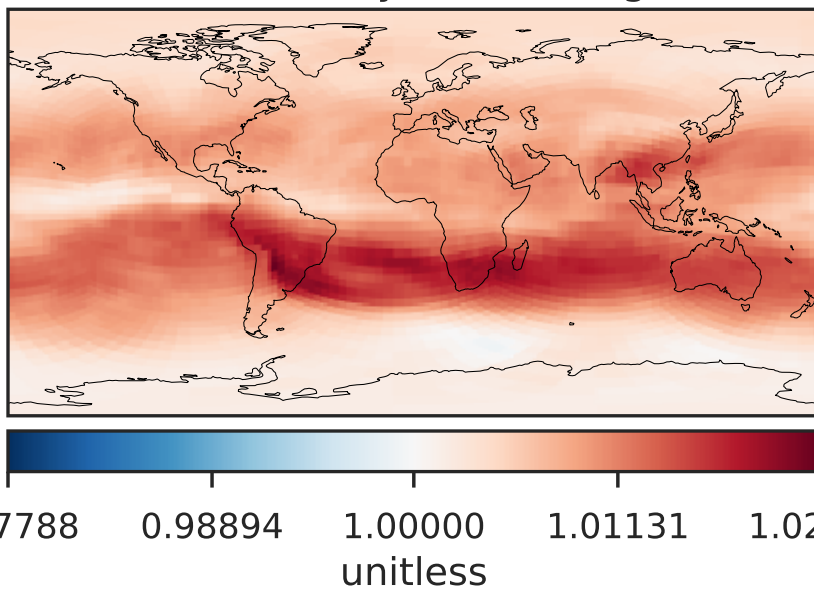
Difference (1x1.25)  
Dev - Ref, Dynamic Range



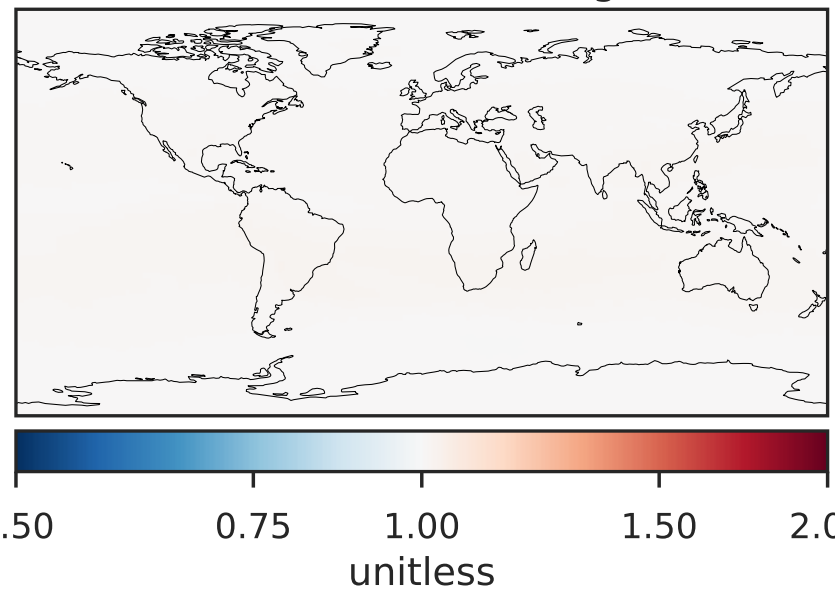
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



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

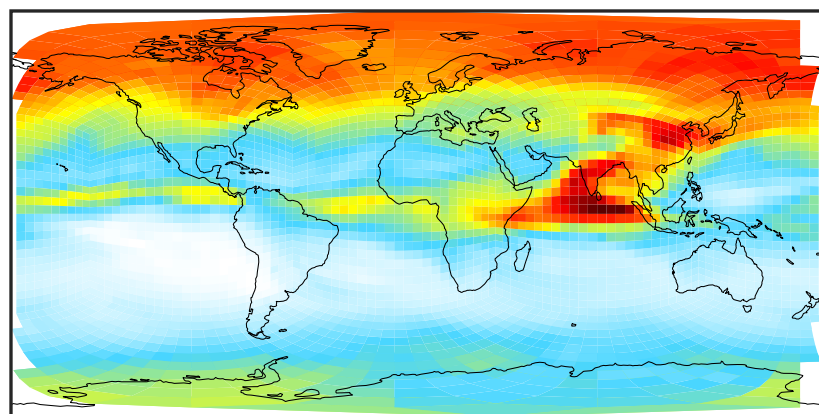


0.97788 0.98894 1.00000 1.01131 1.02262  
unitless

0.50 0.75 1.00 1.50 2.00  
unitless

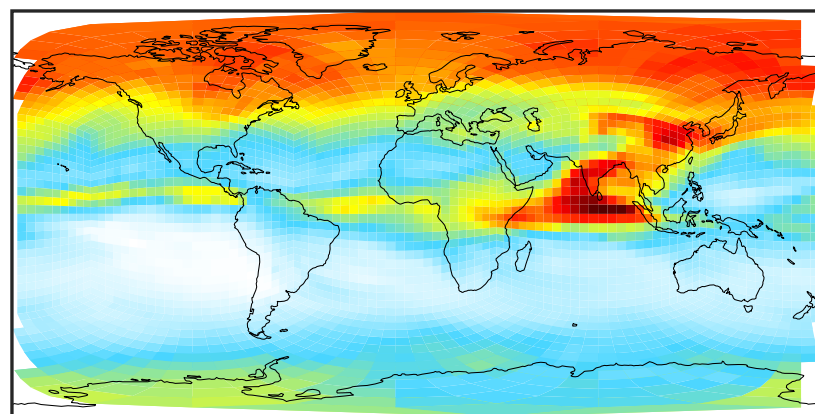
# SpeciesConcVV\_ETNO3 (Oct2019)

14.2.0-rc.2 (Ref)  
c24



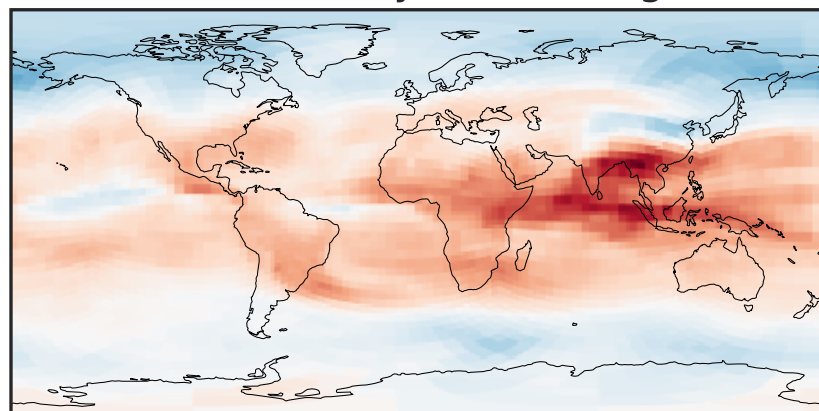
0.0008 0.0016 0.0024 0.0032  
ppb

14.3.0-rc.0 (Dev)  
c24



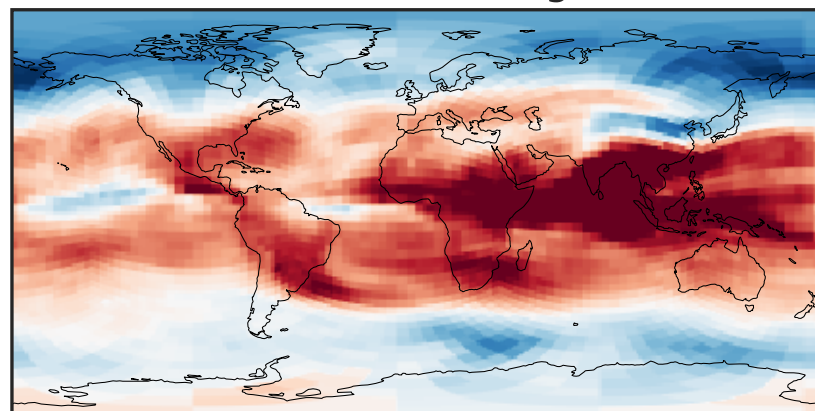
0.0008 0.0016 0.0024 0.0032  
ppb

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



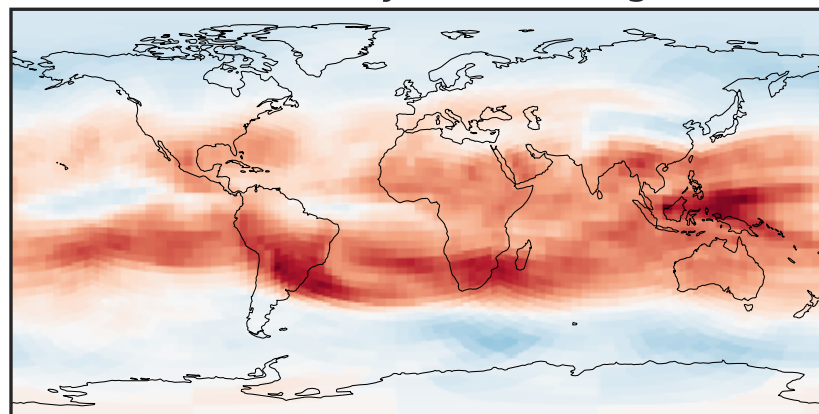
-2 0 2  
ppb  $1e-5$

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



-8 0 8  
ppb  $1e-6$

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



0.98096 0.99048 1.00000 1.00970 1.01941  
unitless

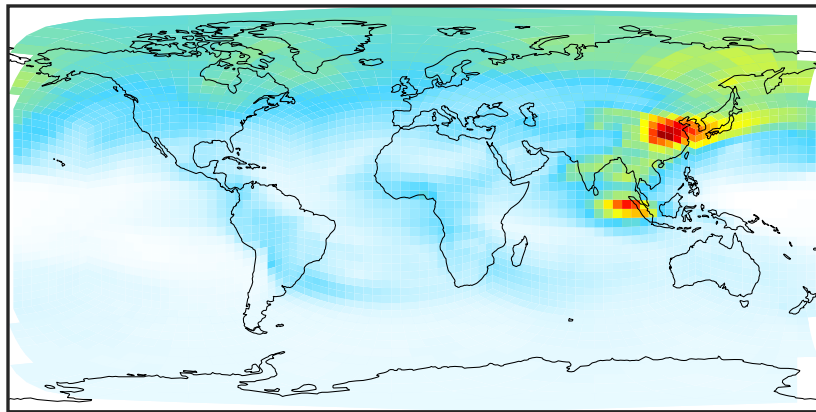
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

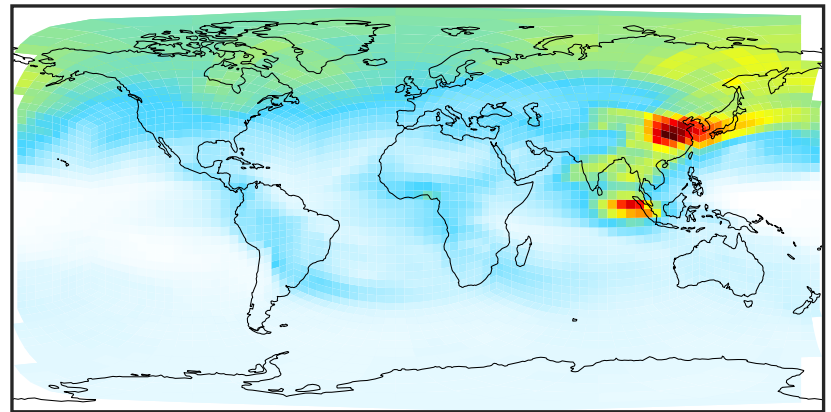
# SpeciesConcVV\_IPRNO3 (Oct2019)

14.2.0-rc.2 (Ref)  
c24



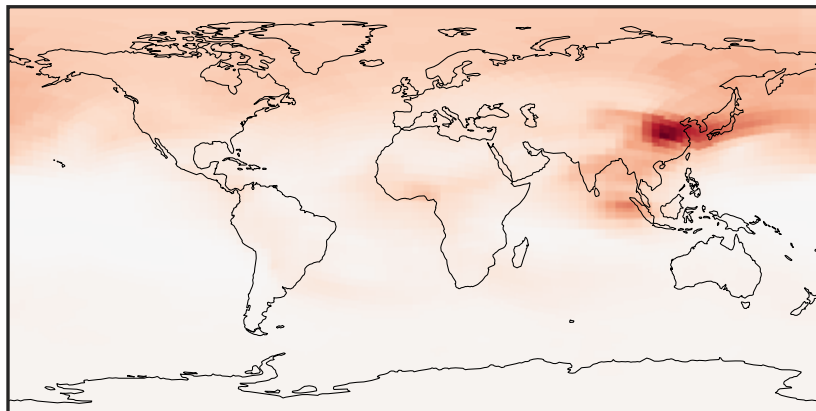
0.005 0.010 0.015  
ppb

14.3.0-rc.0 (Dev)  
c24



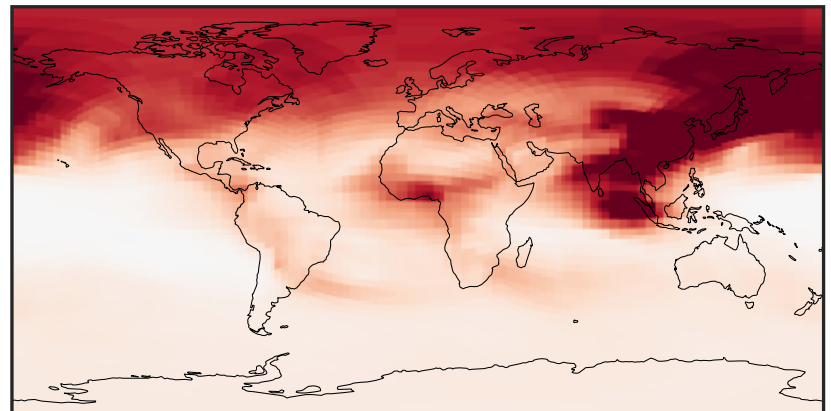
0.005 0.010 0.015  
ppb

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



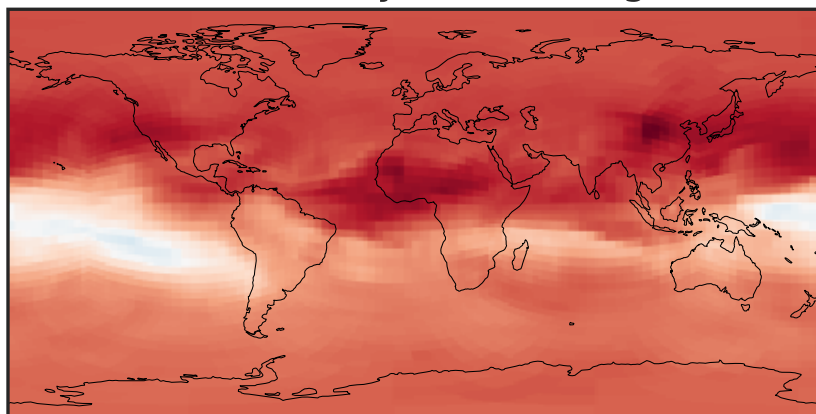
-0.0015 0.0000 0.0015  
ppb

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



-0.0004 0.0000 0.0004  
ppb

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



0.8700 0.9350 1.0000 1.0747 1.1495  
unitless

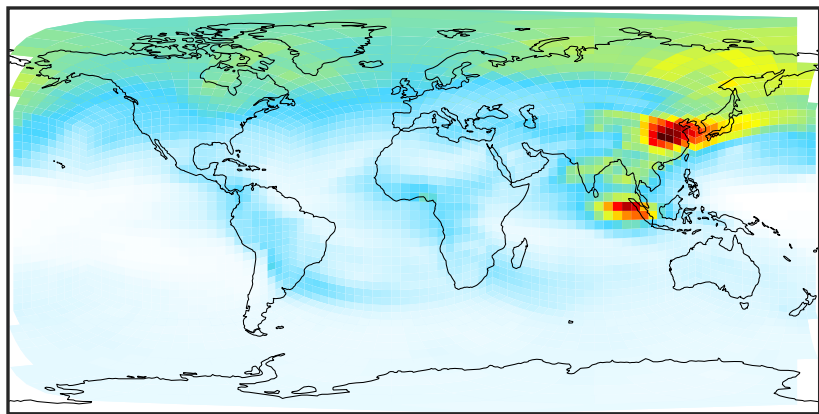
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

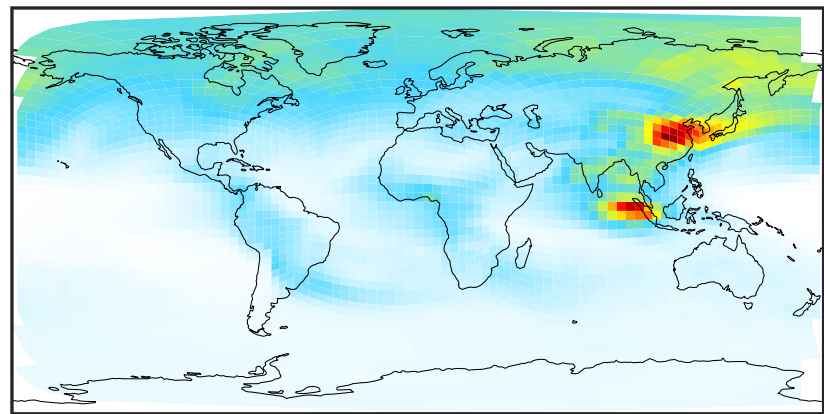
# SpeciesConcVV\_NPRNO3 (Oct2019)

14.2.0-rc.2 (Ref)  
c24



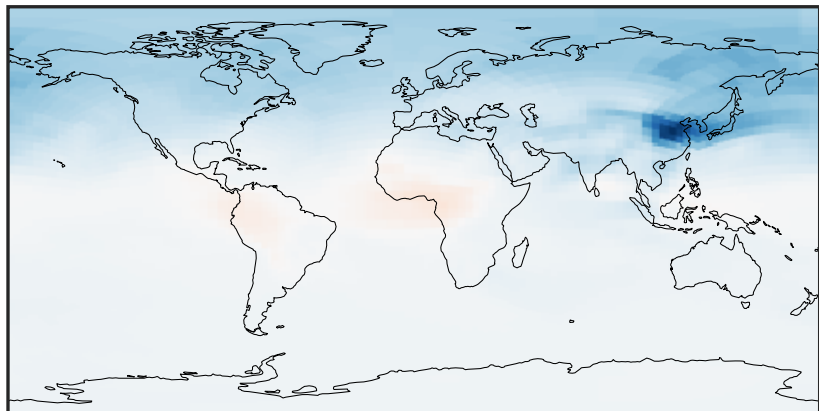
0.001 0.002 0.003 0.004  
ppb

14.3.0-rc.0 (Dev)  
c24



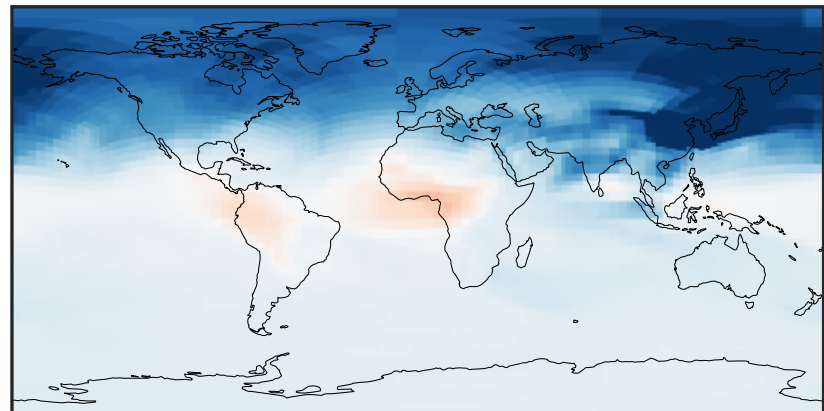
0.001 0.002 0.003 0.004  
ppb

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



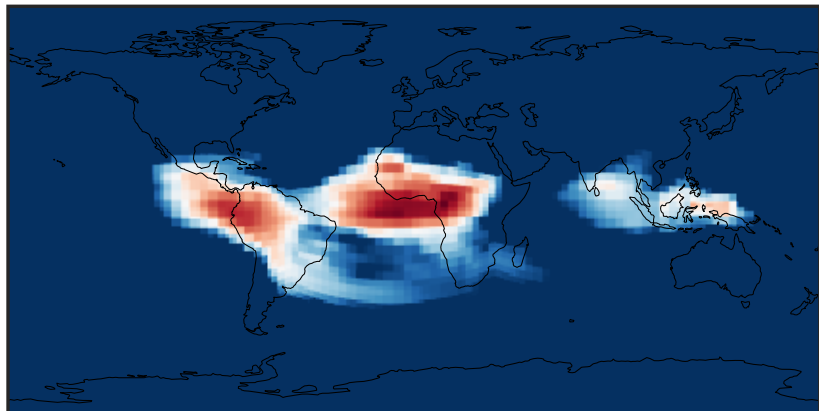
-0.0002 0.0000 0.0002  
ppb

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



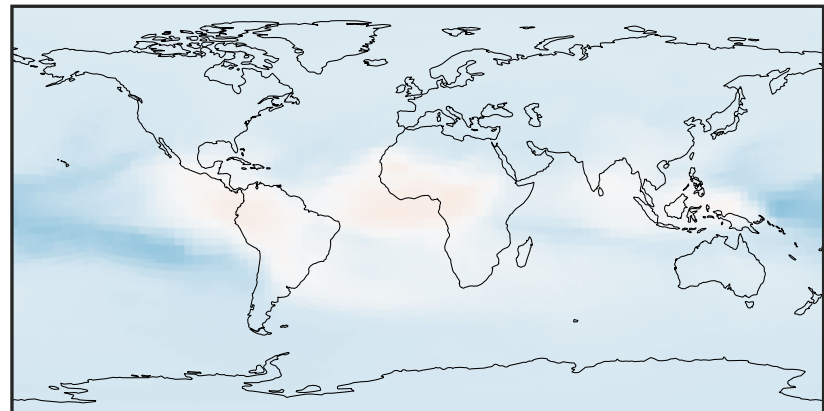
-8 0 8  
ppb  $1e-5$

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



0.9474 0.9737 1.0000 1.0278 1.0555  
unitless

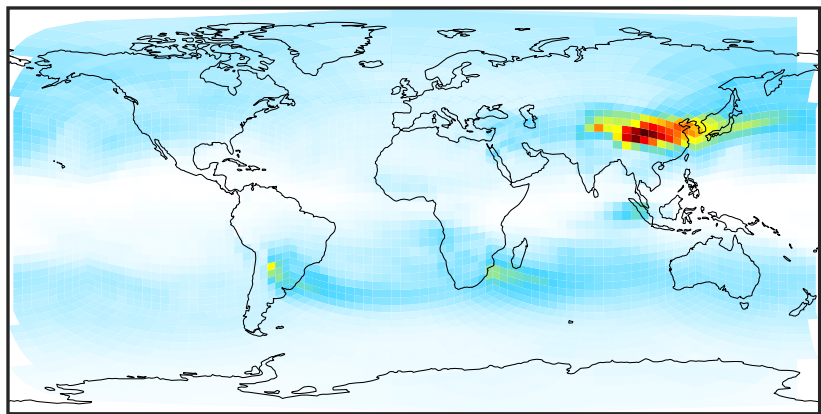
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

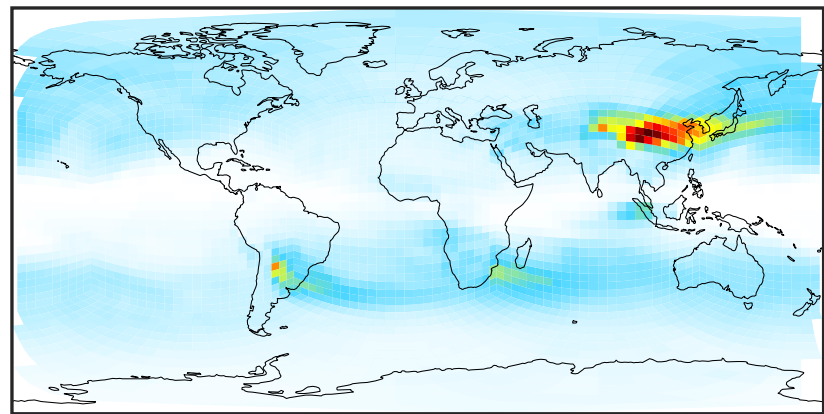
# SpeciesConcVV\_AONITA (Oct2019)

14.2.0-rc.2 (Ref)  
c24



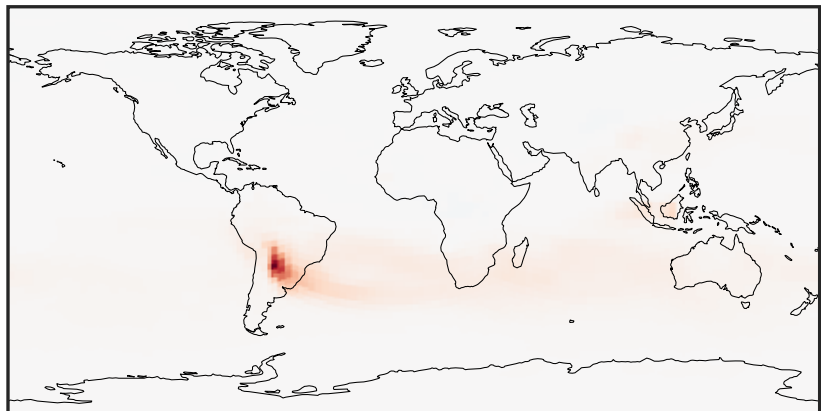
0.0025 0.0050 0.0075  
ppb

14.3.0-rc.0 (Dev)  
c24



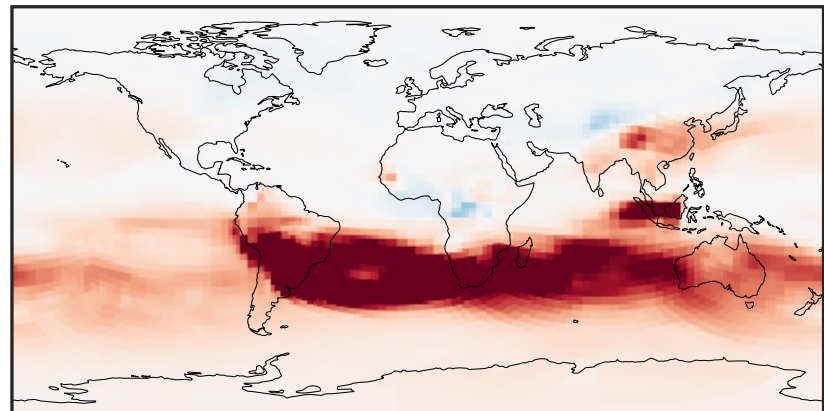
0.0025 0.0050 0.0075  
ppb

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



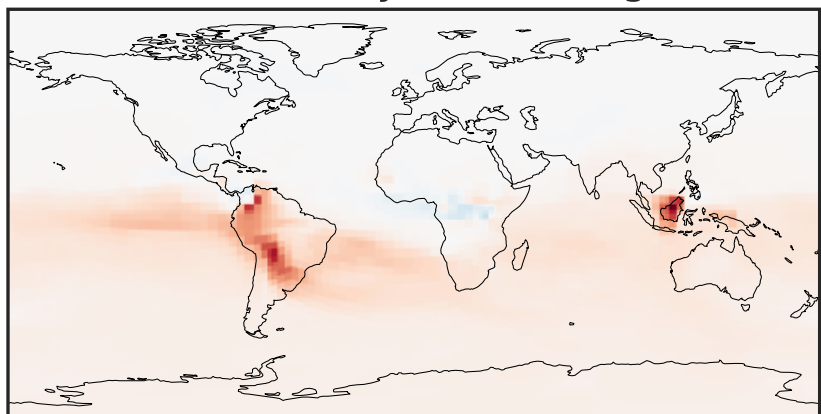
-0.0005 0.0000 0.0005  
ppb

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



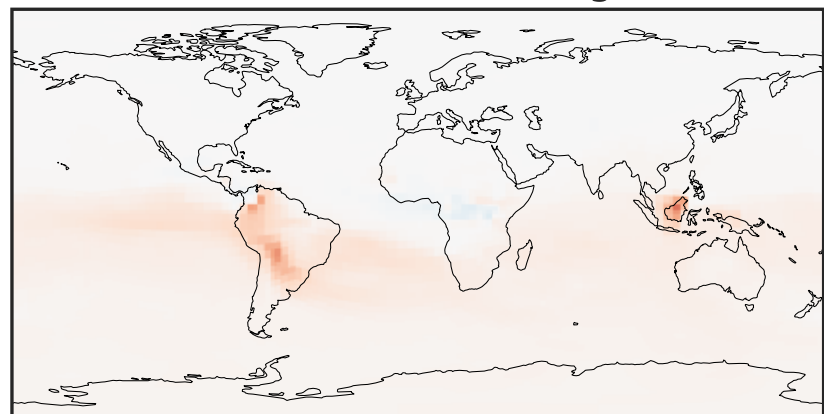
-3 0 3  
ppb 1e-5

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



0.6830 0.8415 1.0000 1.2320 1.4641  
unitless

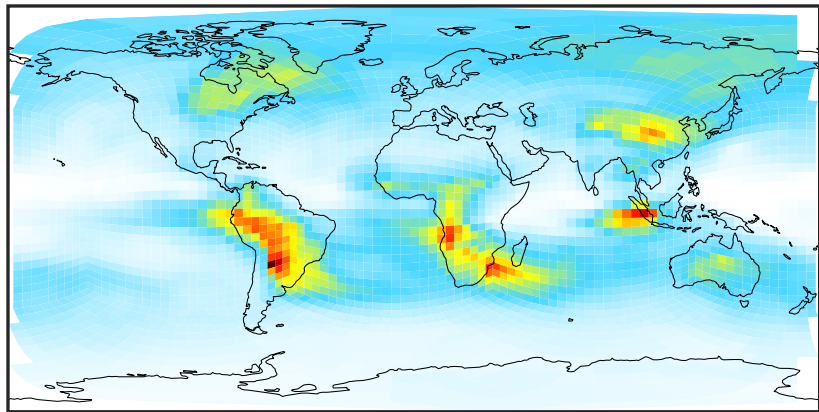
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

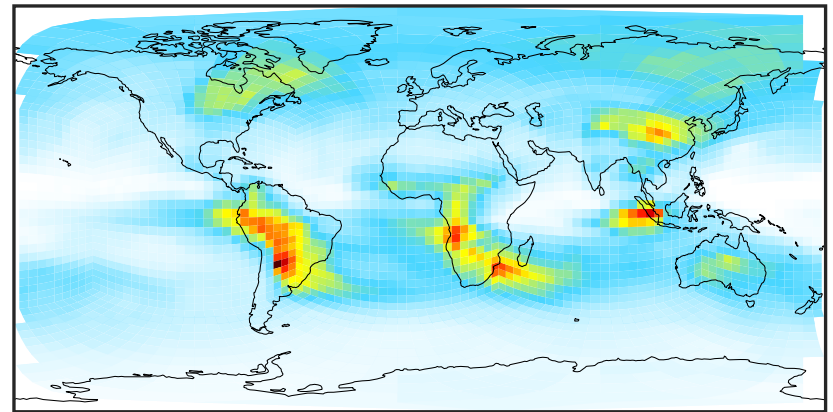
# SpeciesConcVV\_ETHN (Oct2019)

14.2.0-rc.2 (Ref)  
c24



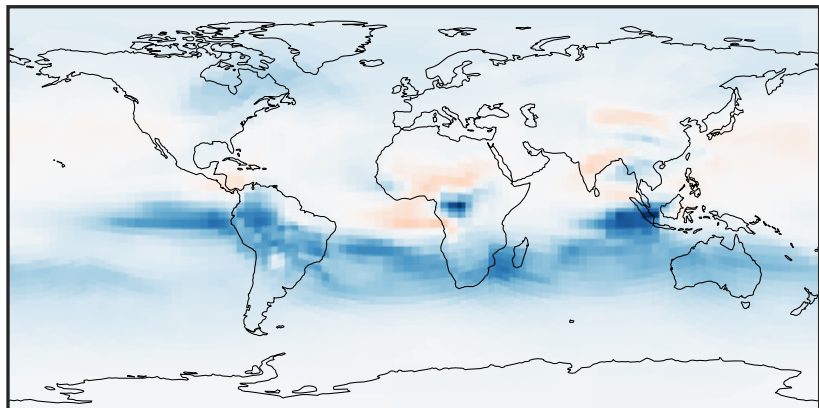
0.0002 0.0004 0.0006  
ppb

14.3.0-rc.0 (Dev)  
c24



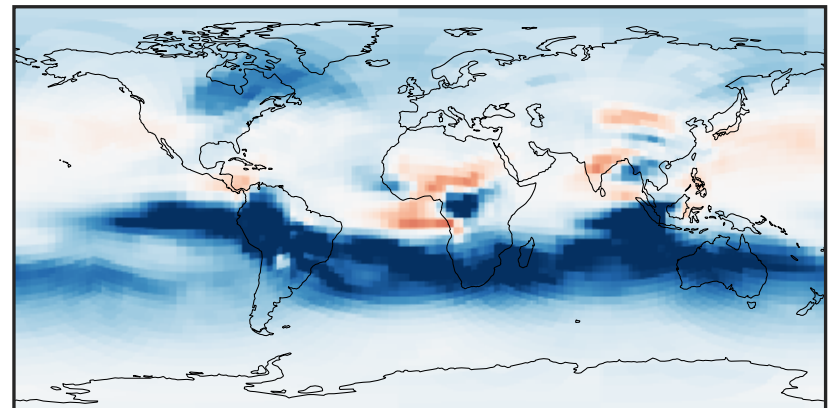
0.0002 0.0004 0.0006  
ppb

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



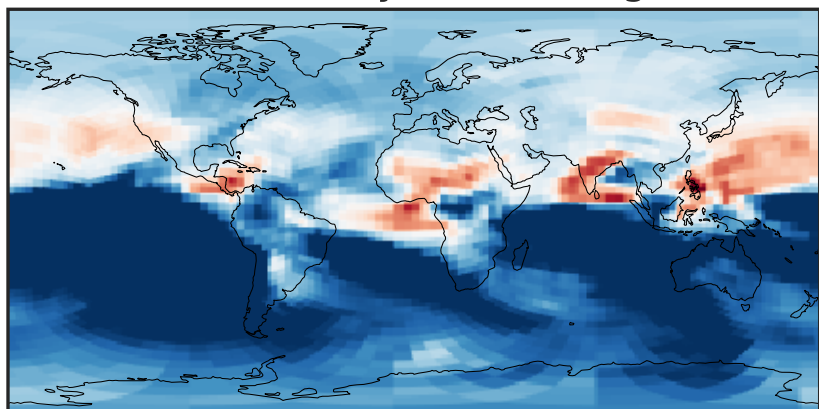
-4 0 4  
ppb  $1e-6$

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



-2 0 2  
ppb  $1e-6$

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



0.98215 0.99107 1.00000 1.00909 1.01818  
unitless

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

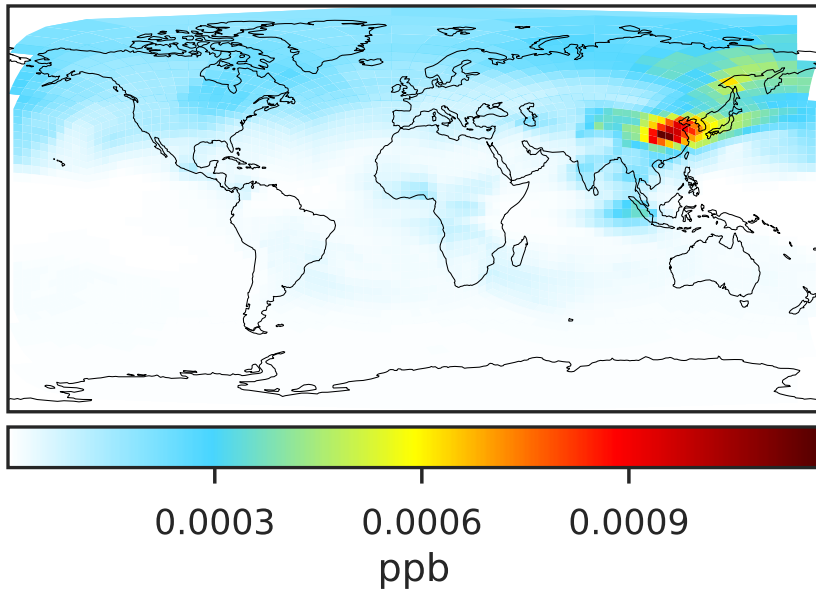


0.50 0.75 1.00 1.50 2.00  
unitless

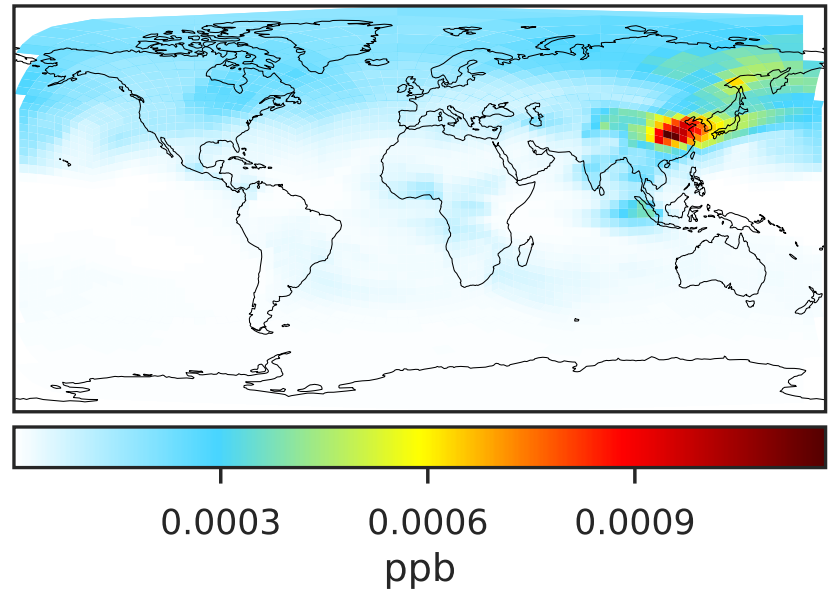


# SpeciesConcVV\_BZPAN (Oct2019)

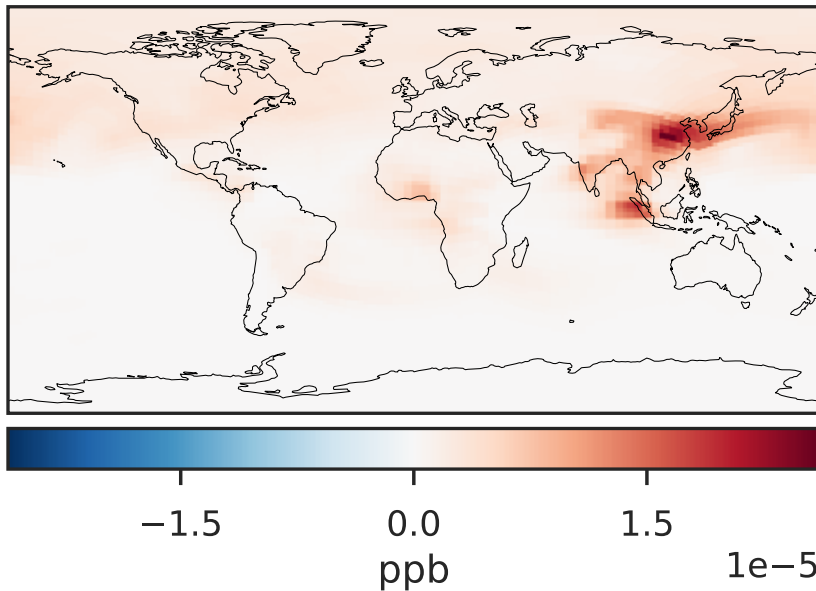
14.2.0-rc.2 (Ref)  
c24



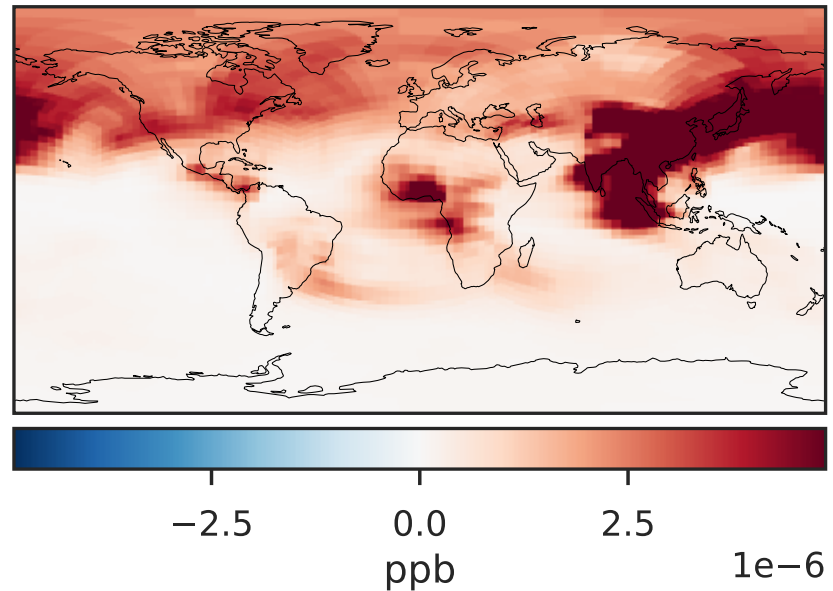
14.3.0-rc.0 (Dev)  
c24



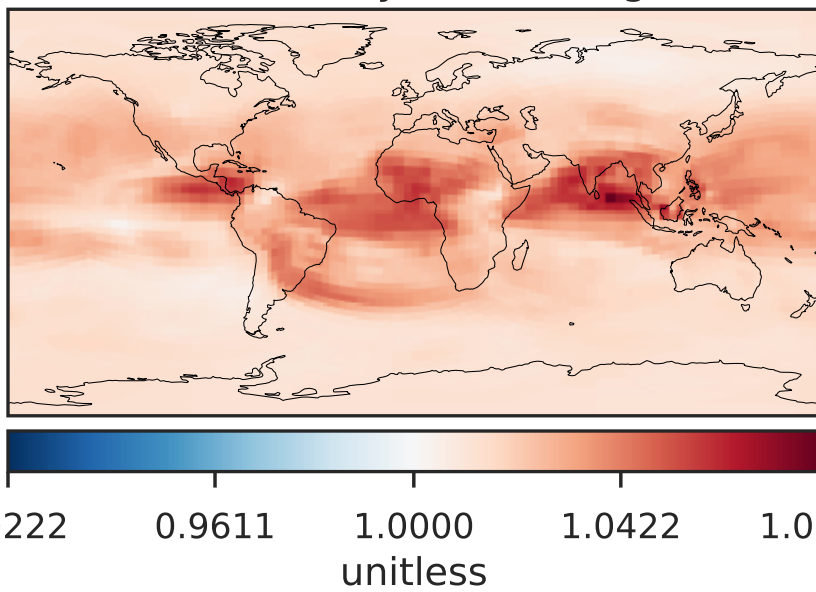
Difference (1x1.25)  
Dev - Ref, Dynamic Range



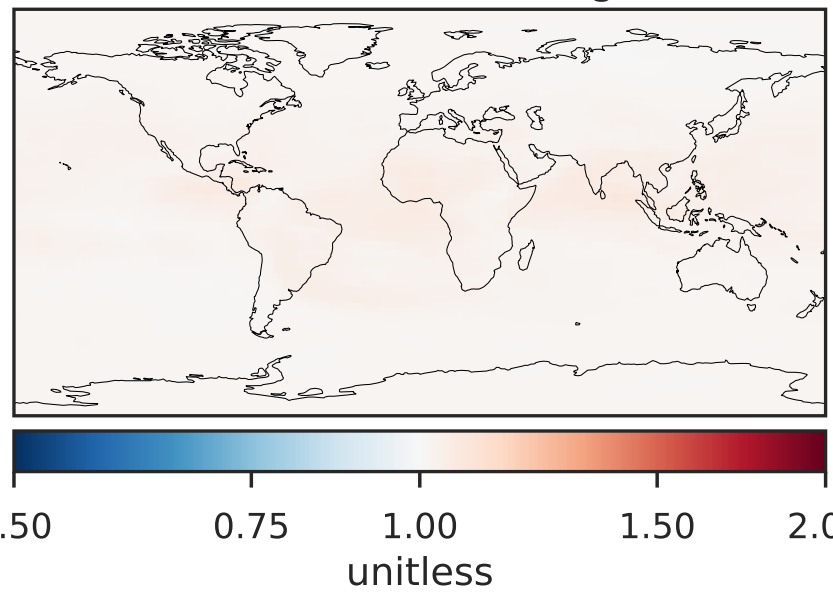
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

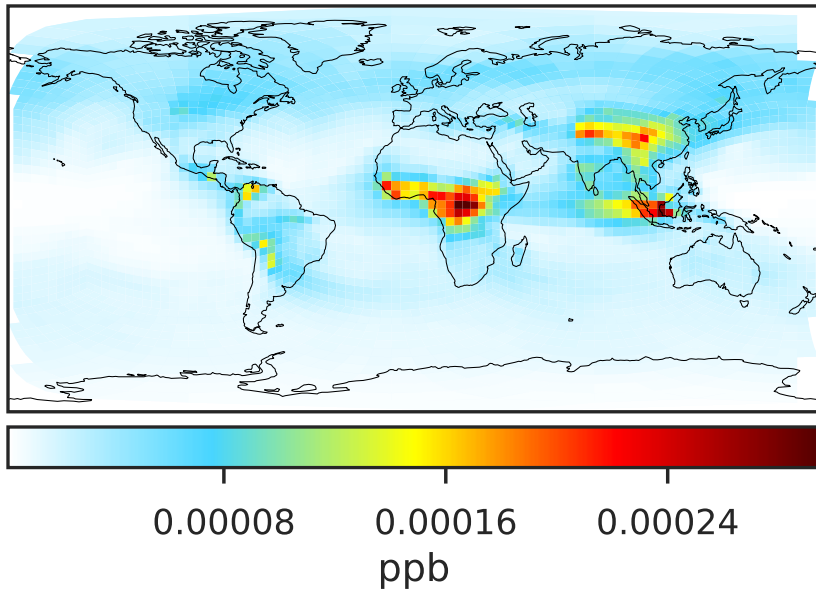


Ratio (1x1.25)  
Dev/Ref, Fixed Range

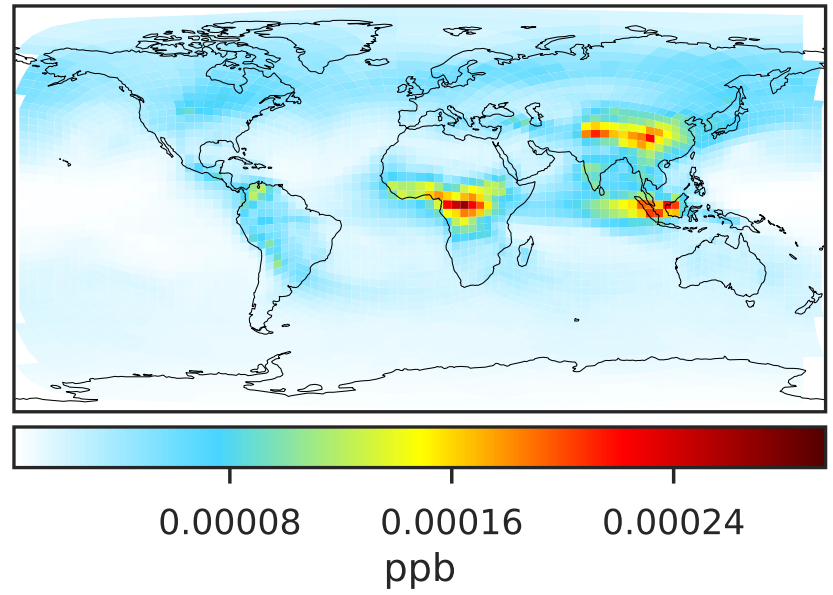


# SpeciesConcVV\_NPHEN (Oct2019)

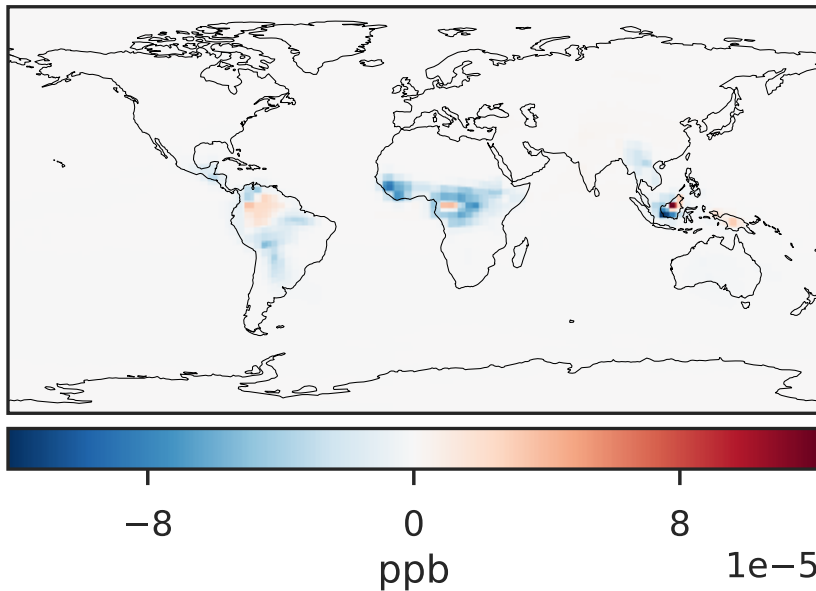
14.2.0-rc.2 (Ref)  
c24



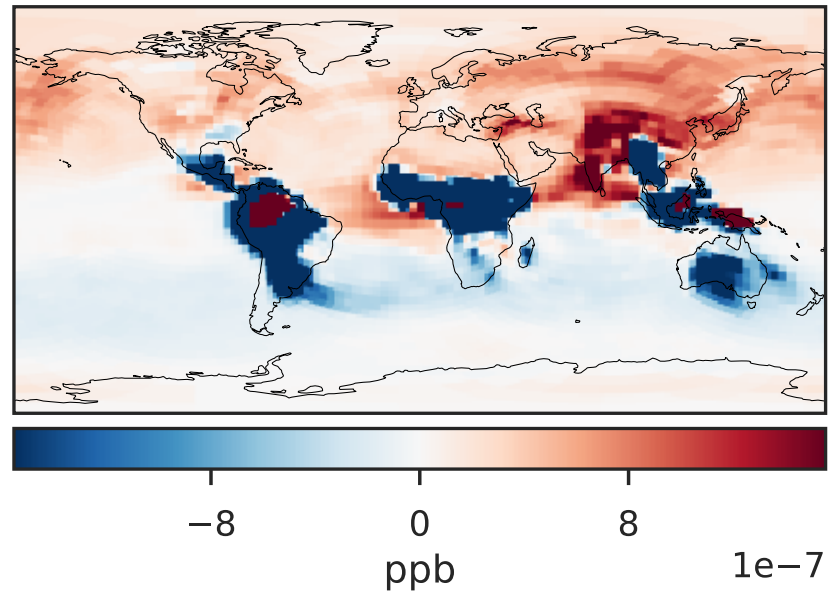
14.3.0-rc.0 (Dev)  
c24



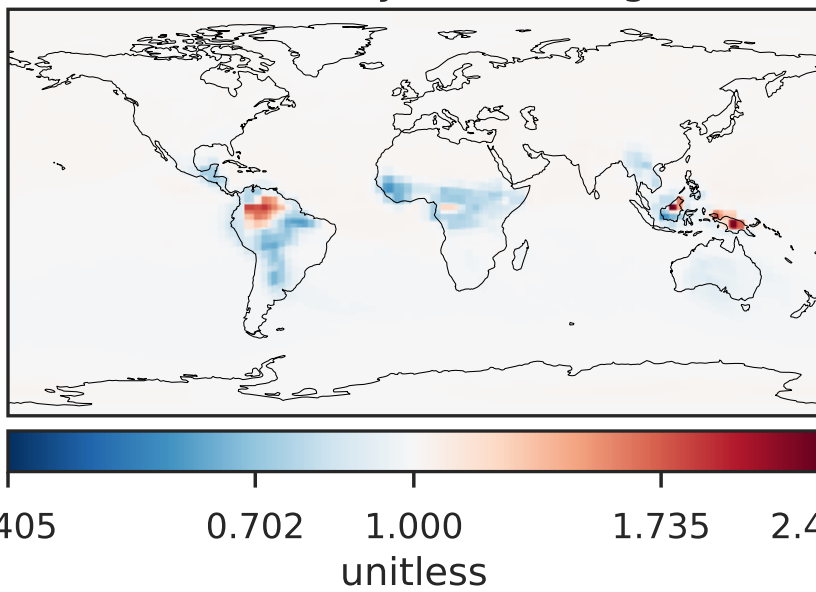
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



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

