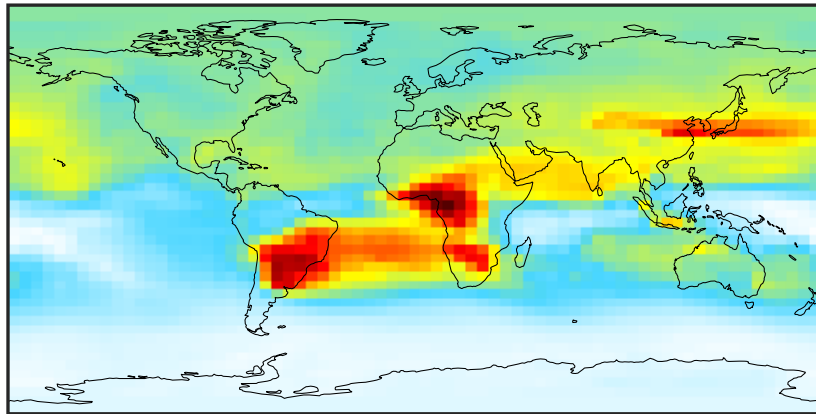


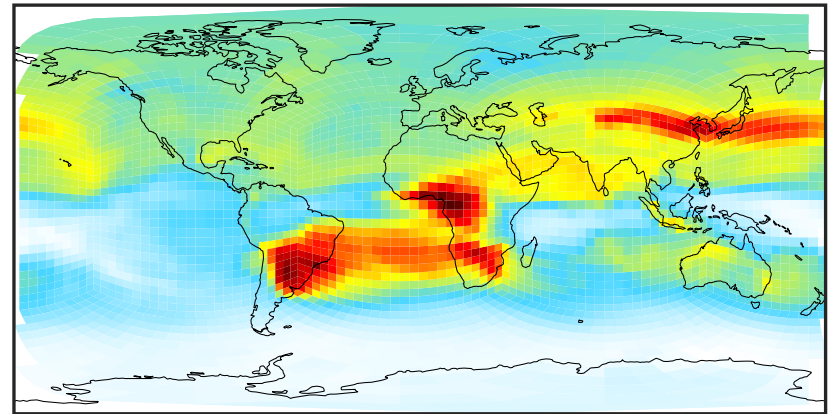
# SpeciesConcVV\_NOy (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



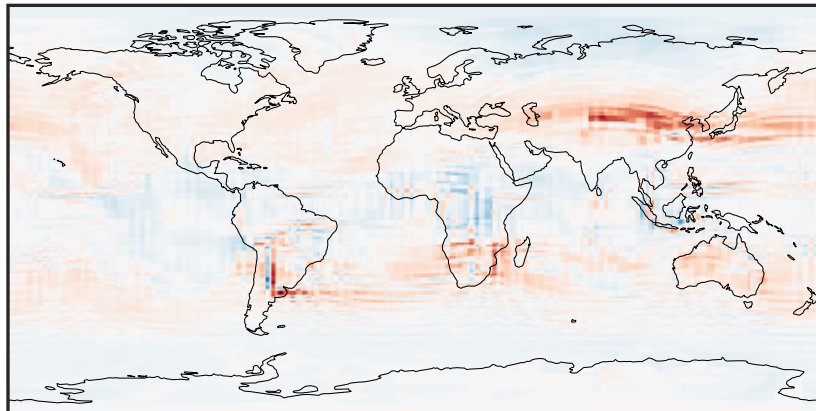
0.0337 0.2041 0.3745 0.5448 0.7152  
ppb

14.3.0-rc.0 (Dev)  
c24



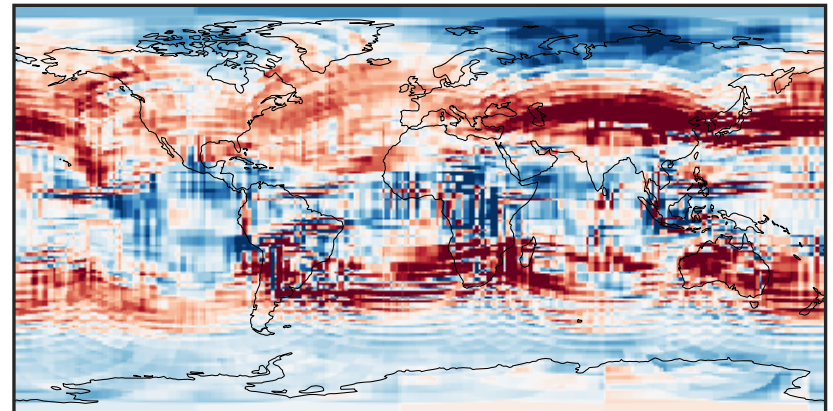
0.0337 0.2041 0.3745 0.5448 0.7152  
ppb

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



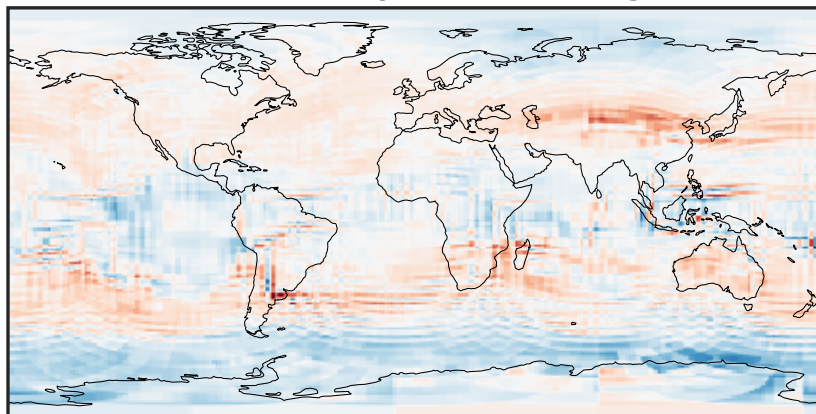
-0.204 -0.102 0.000 0.102 0.204  
ppb

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



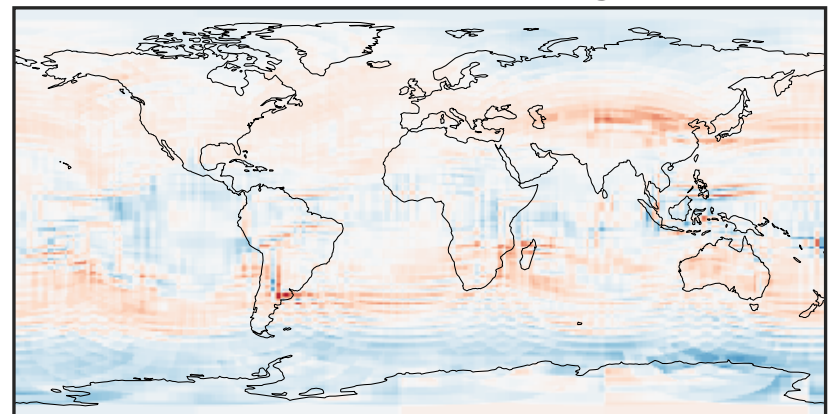
-0.02 0.00 0.02  
ppb

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



0.572 0.786 1.000 1.375 1.750  
unitless

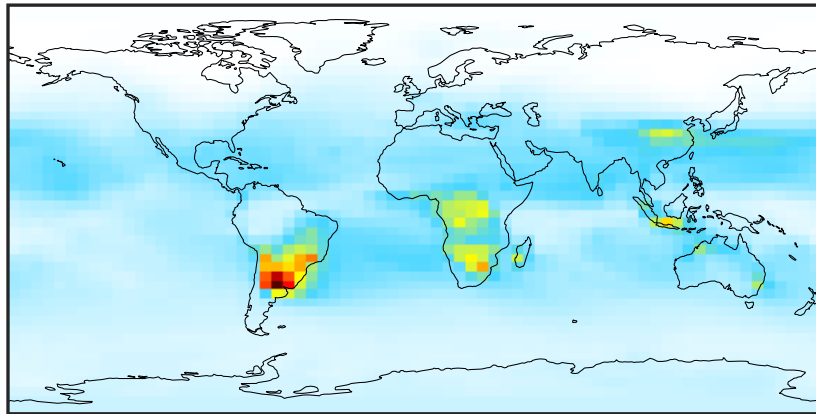
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

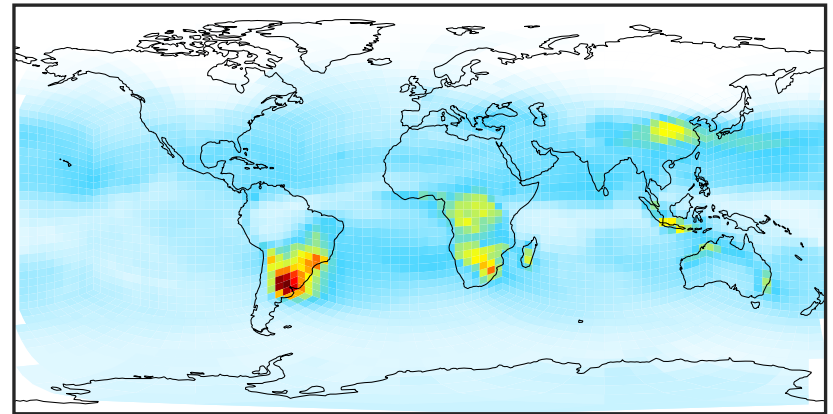
# SpeciesConcVV\_NOx (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



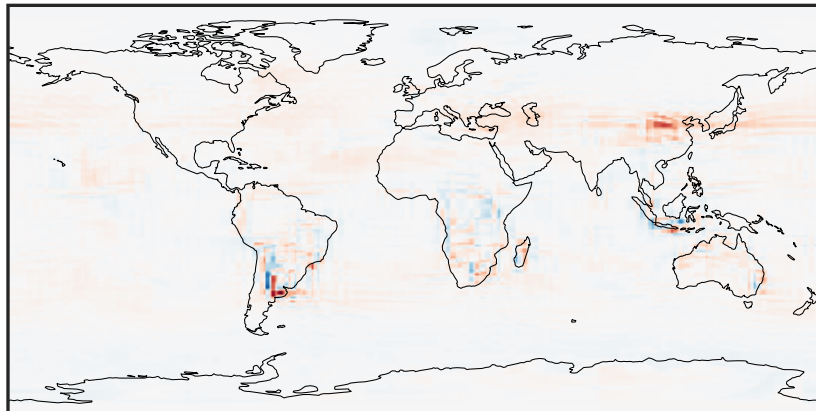
0.0008 0.0529 0.1050 0.1571 0.2092  
ppb

14.3.0-rc.0 (Dev)  
c24



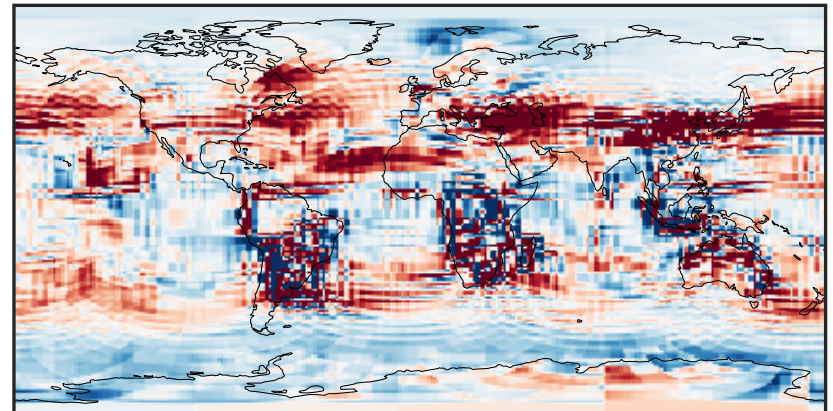
0.0008 0.0529 0.1050 0.1571 0.2092  
ppb

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



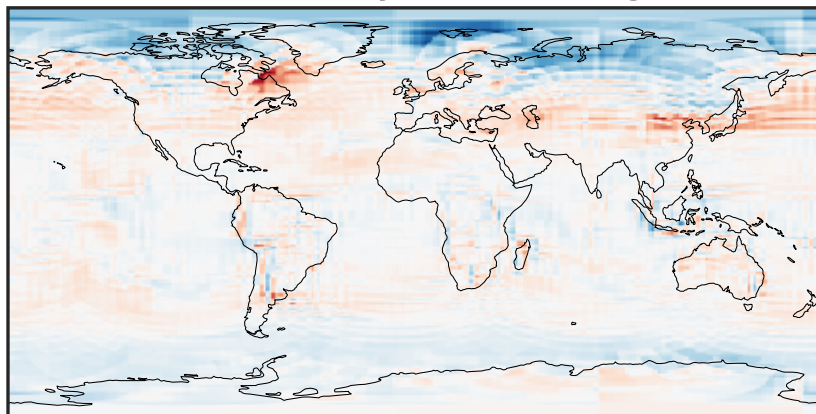
-0.0747 -0.0374 0.0000 0.0374 0.0747  
ppb

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



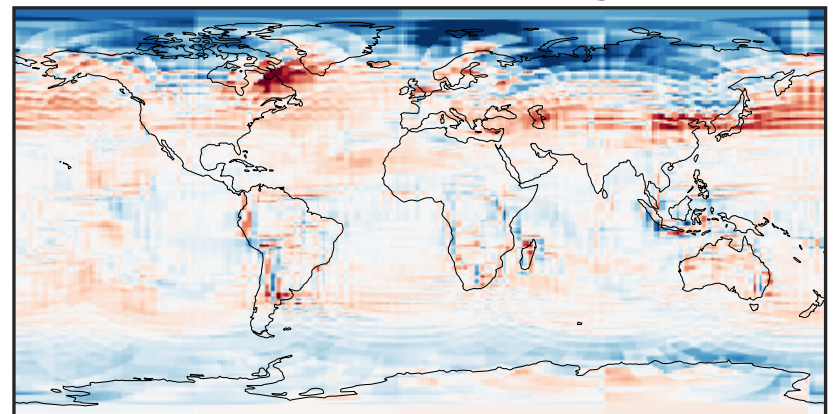
-0.0025 0.0000 0.0025  
ppb

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



0.279 0.640 1.000 2.291 3.583  
unitless

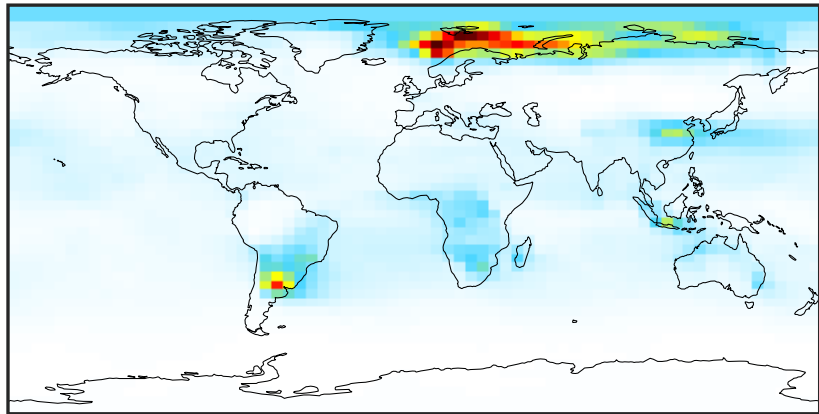
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

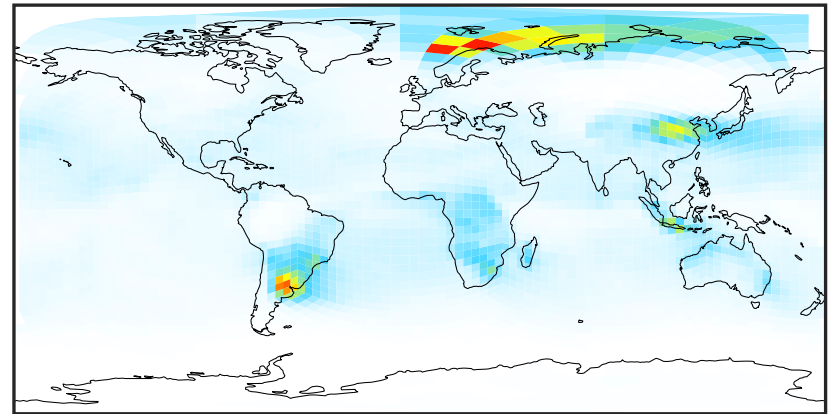
# SpeciesConcVV\_HNO2 (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



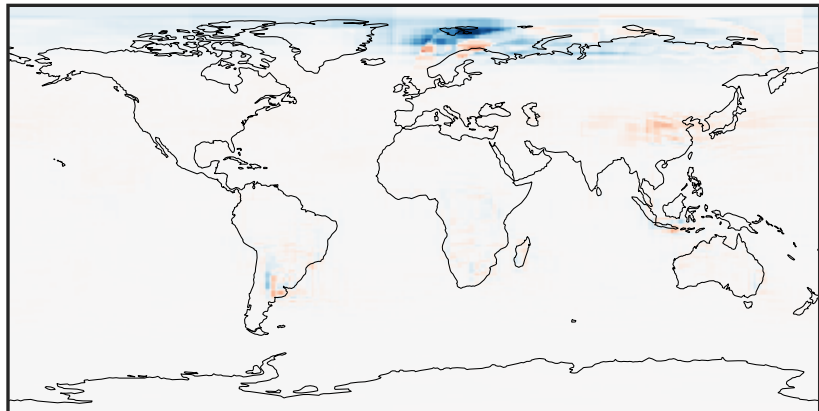
0.0008 0.0016 0.0024  
ppb

14.3.0-rc.0 (Dev)  
c24



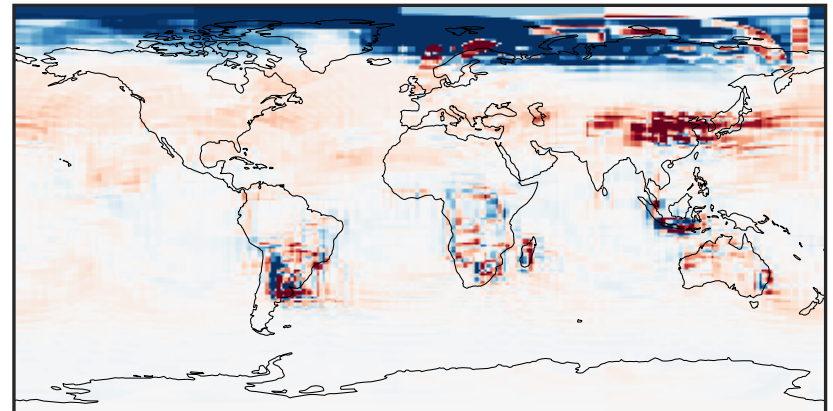
0.0008 0.0016 0.0024  
ppb

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



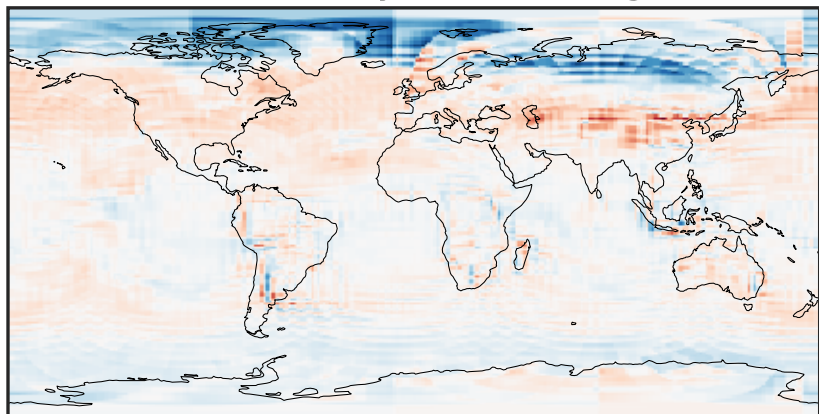
-0.001 0.000 0.001  
ppb

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



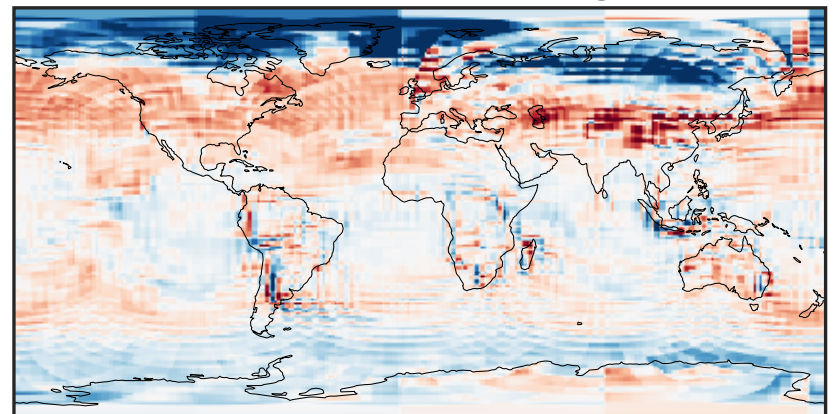
-8 0 8  
ppb  $1e-5$

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



0.207 0.603 1.000 2.916 4.831  
unitless

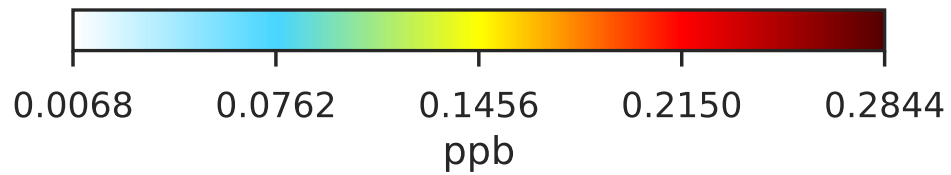
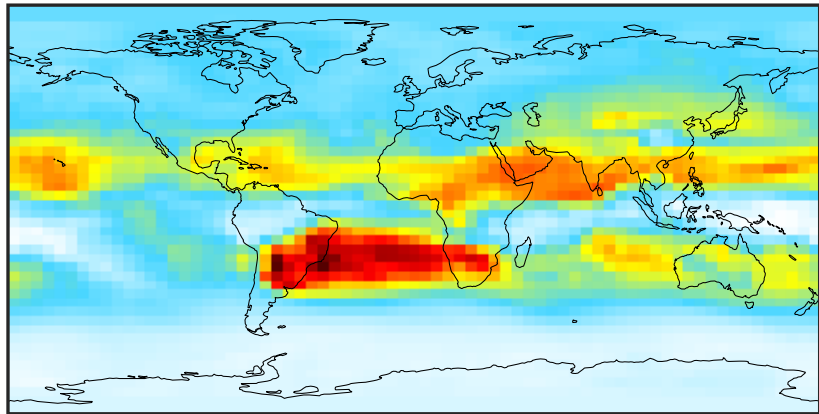
Ratio (1x1.25)  
Dev/Ref, Fixed Range



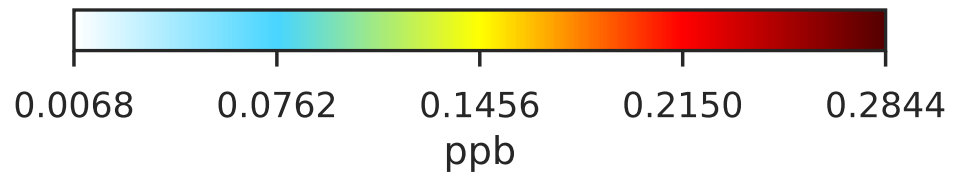
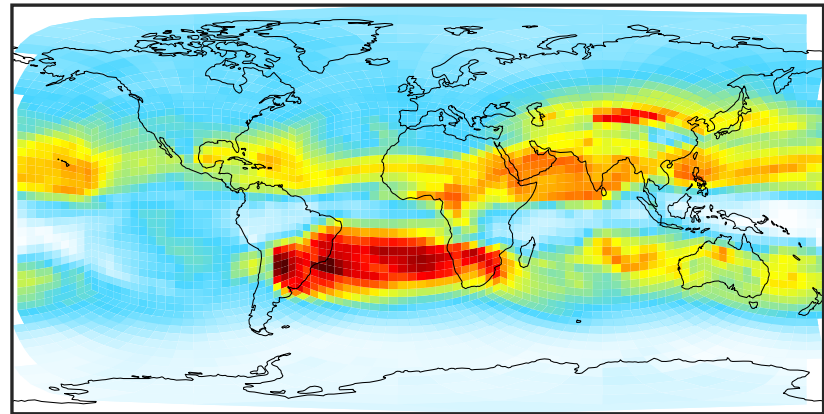
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_HNO3 (Jan2019)

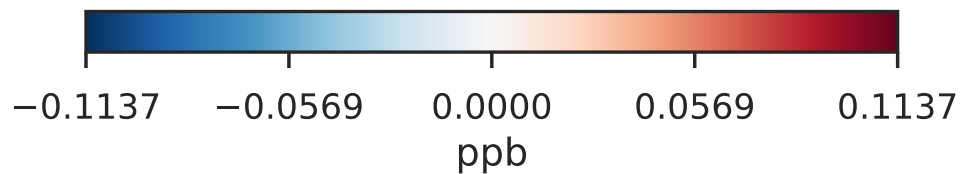
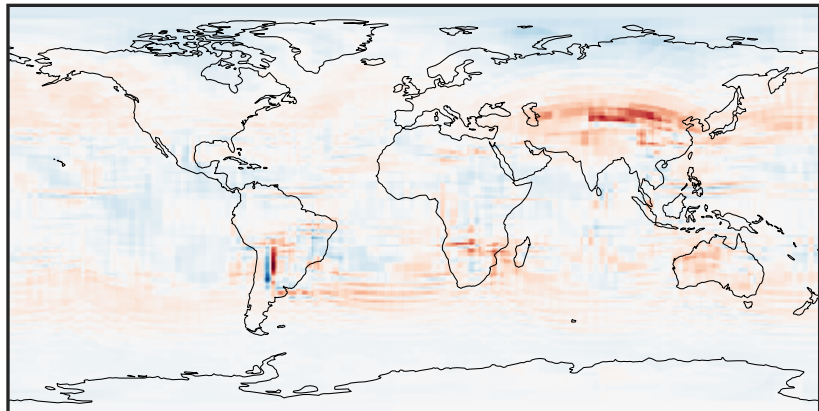
14.3.0-rc.0 (Ref)  
4.0x5.0



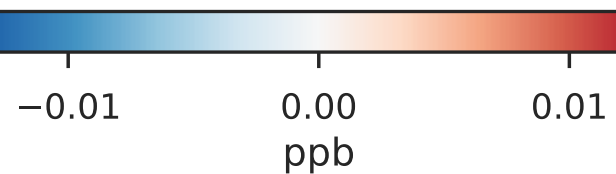
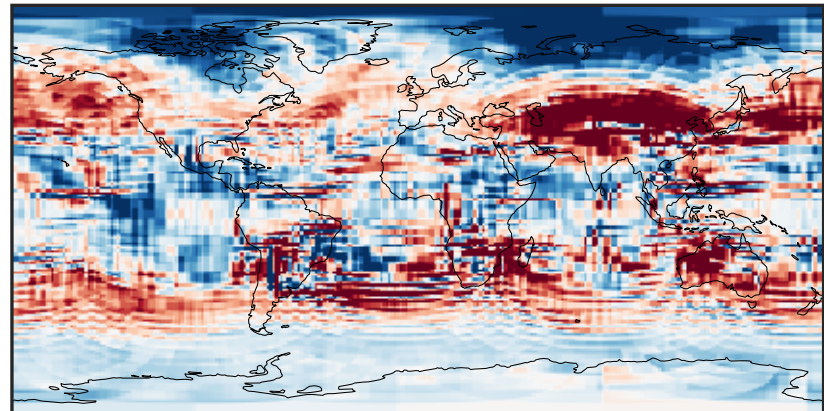
14.3.0-rc.0 (Dev)  
c24



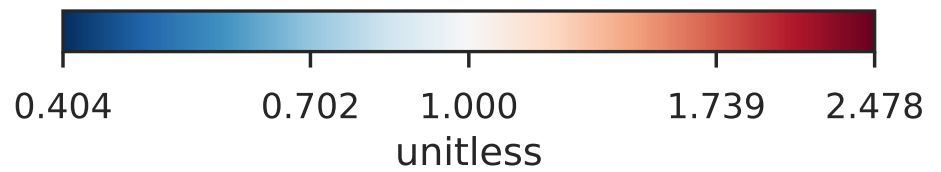
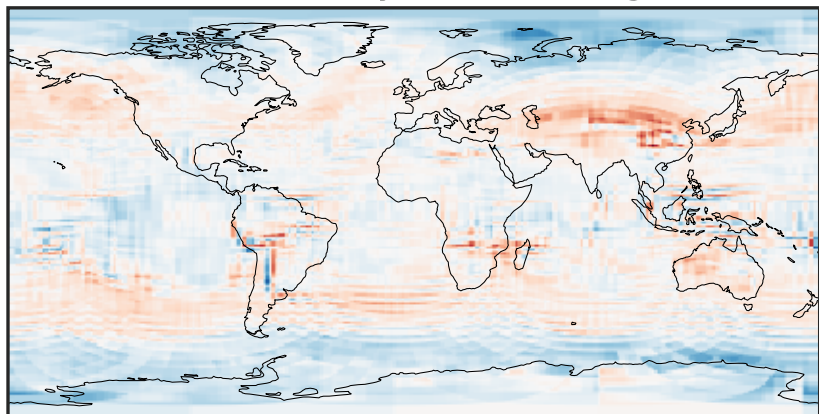
Difference (1x1.25)  
Dev - Ref, Dynamic Range



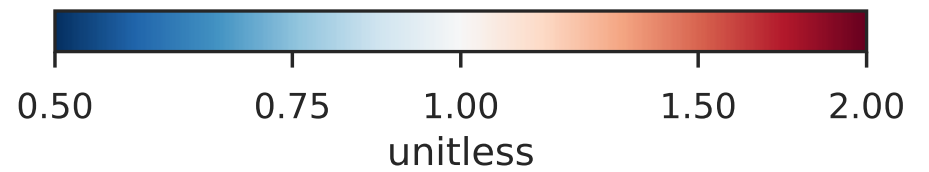
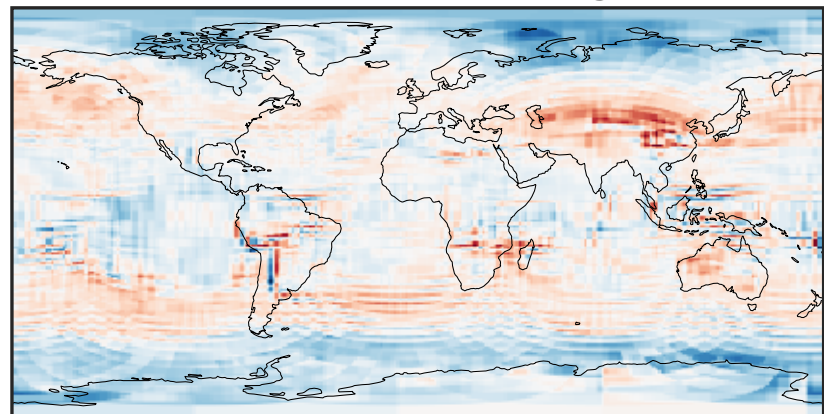
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

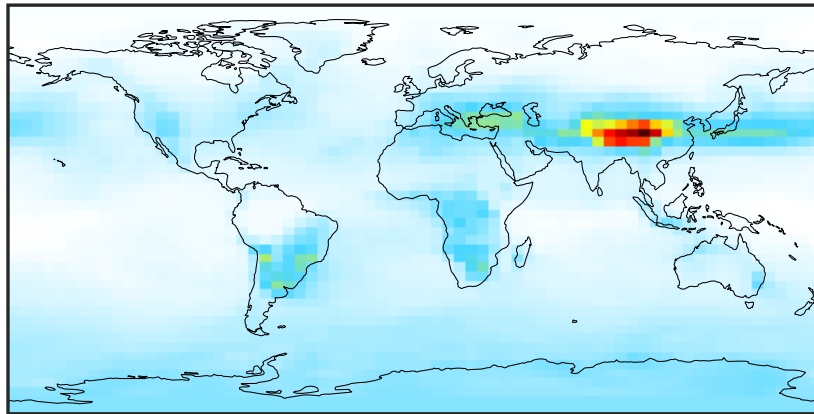


Ratio (1x1.25)  
Dev/Ref, Fixed Range



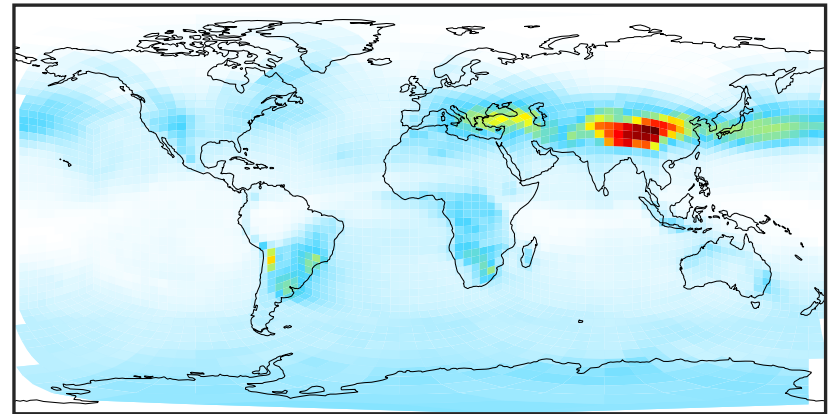
# SpeciesConcVV\_HNO4 (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



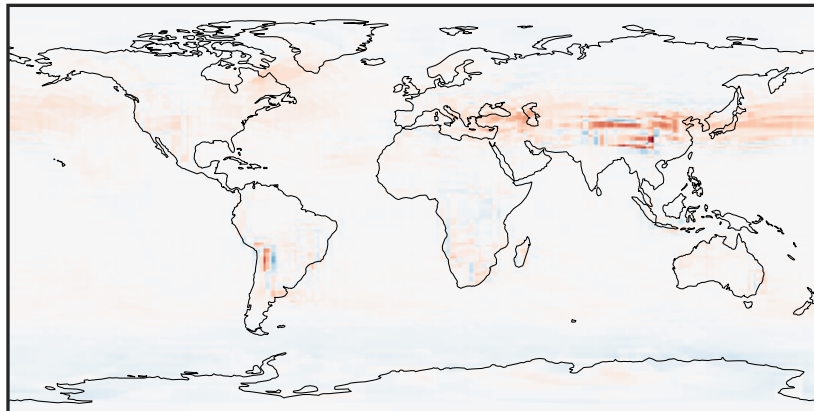
0.008 0.016 0.024  
ppb

14.3.0-rc.0 (Dev)  
c24



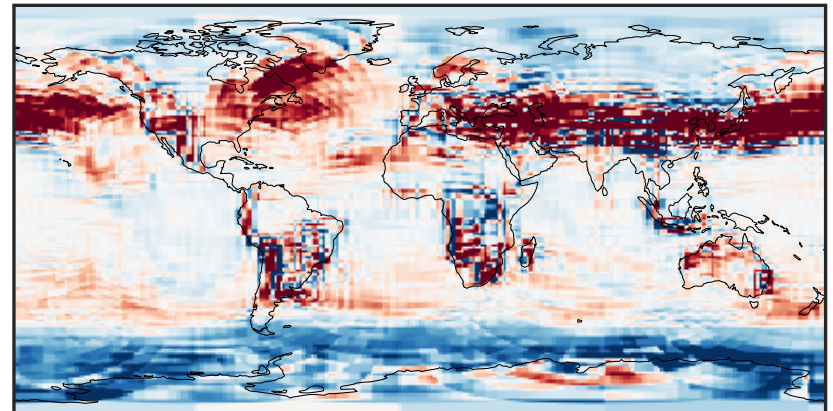
0.008 0.016 0.024  
ppb

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



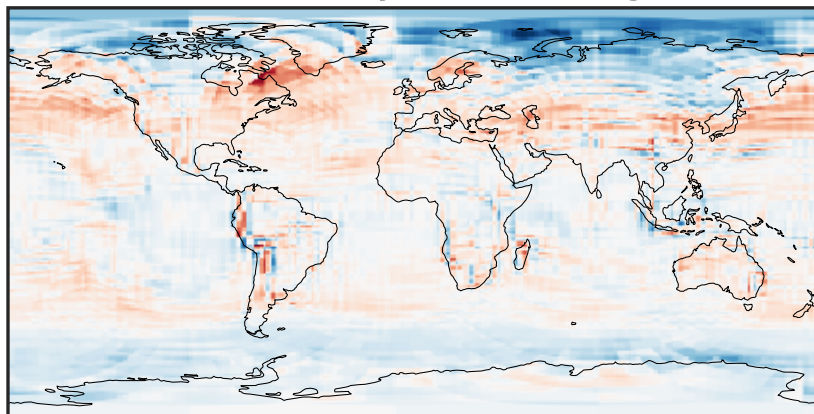
-0.008 0.000 0.008  
ppb

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



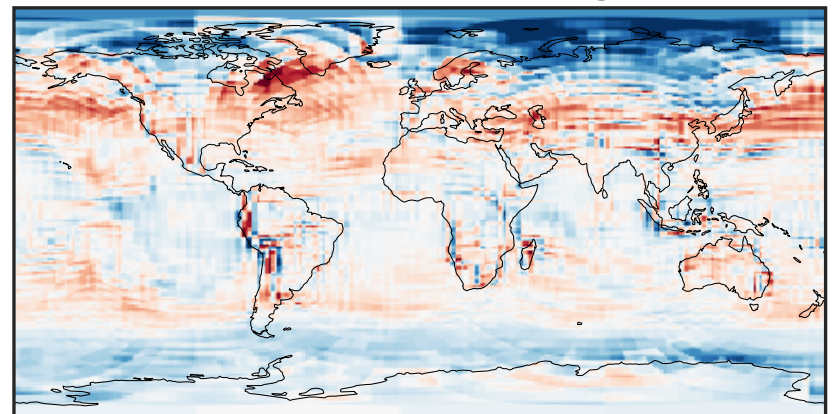
-0.0005 0.0000 0.0005  
ppb

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



0.338 0.669 1.000 1.979 2.958  
unitless

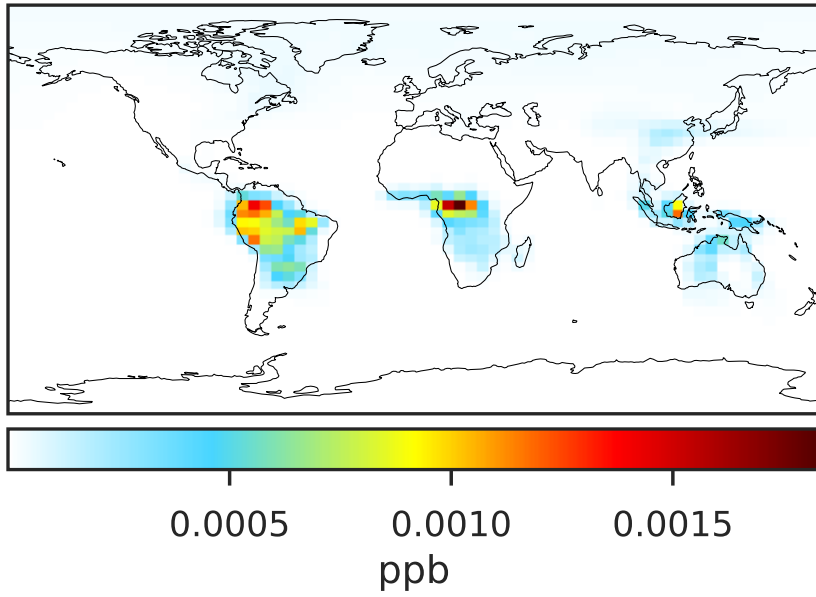
Ratio (1x1.25)  
Dev/Ref, Fixed Range



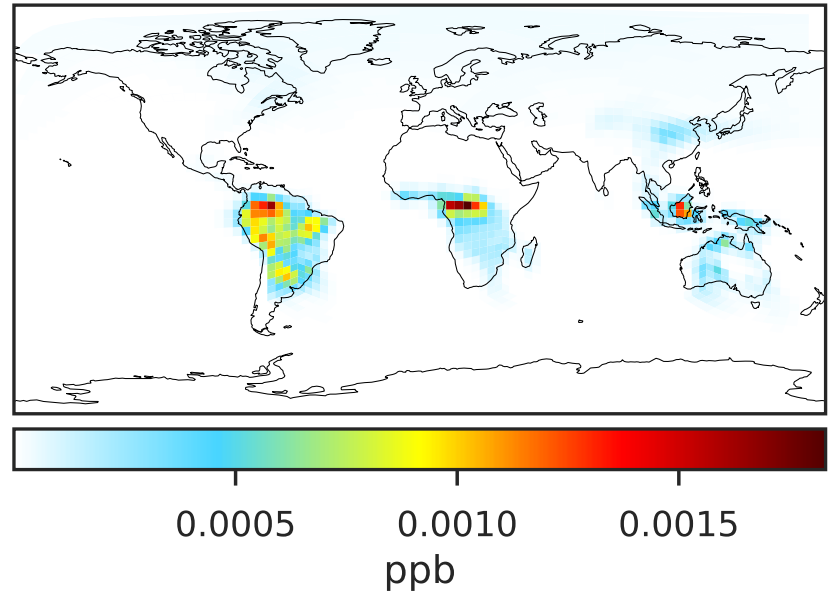
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_MPAN (Jan2019)

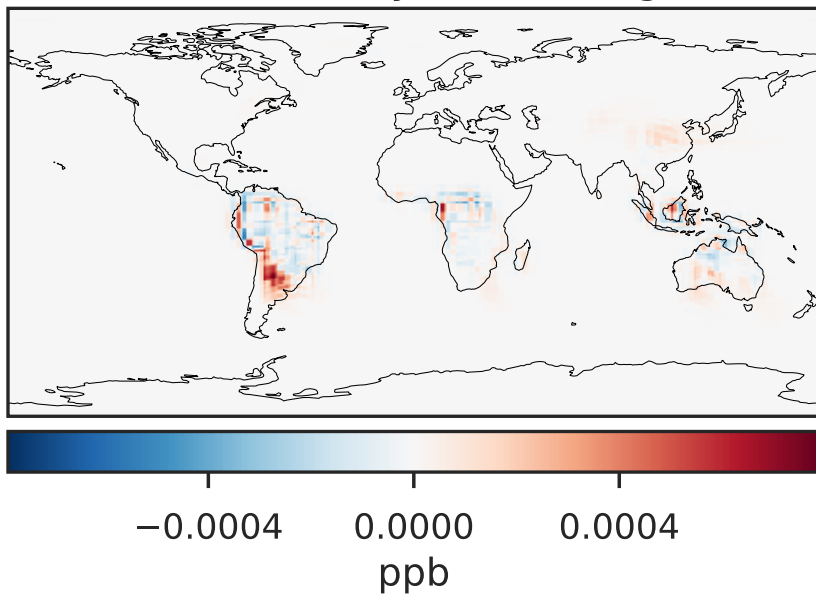
14.3.0-rc.0 (Ref)  
4.0x5.0



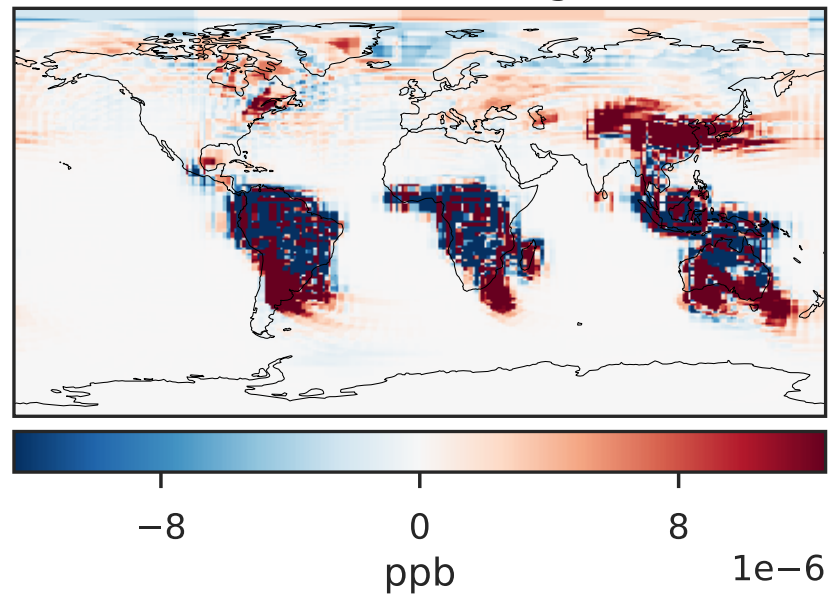
14.3.0-rc.0 (Dev)  
c24



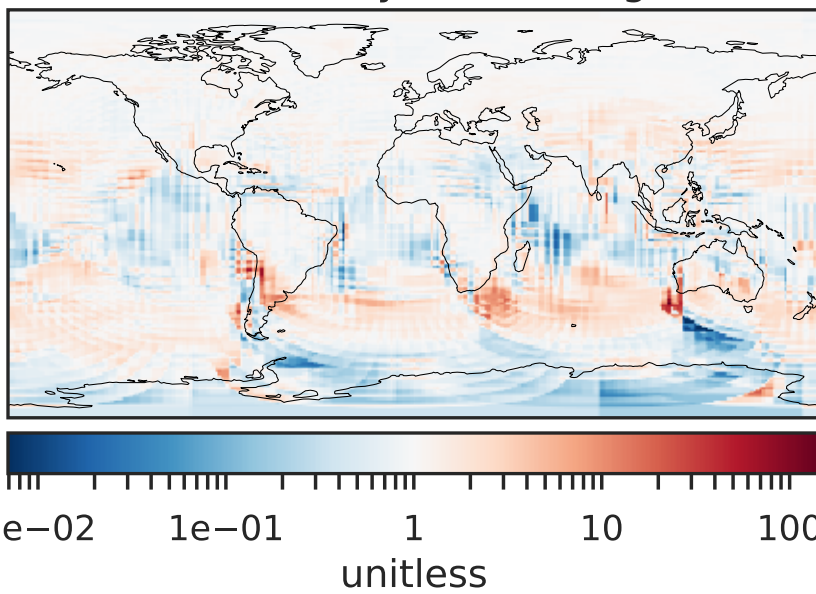
Difference (1x1.25)  
Dev - Ref, Dynamic Range



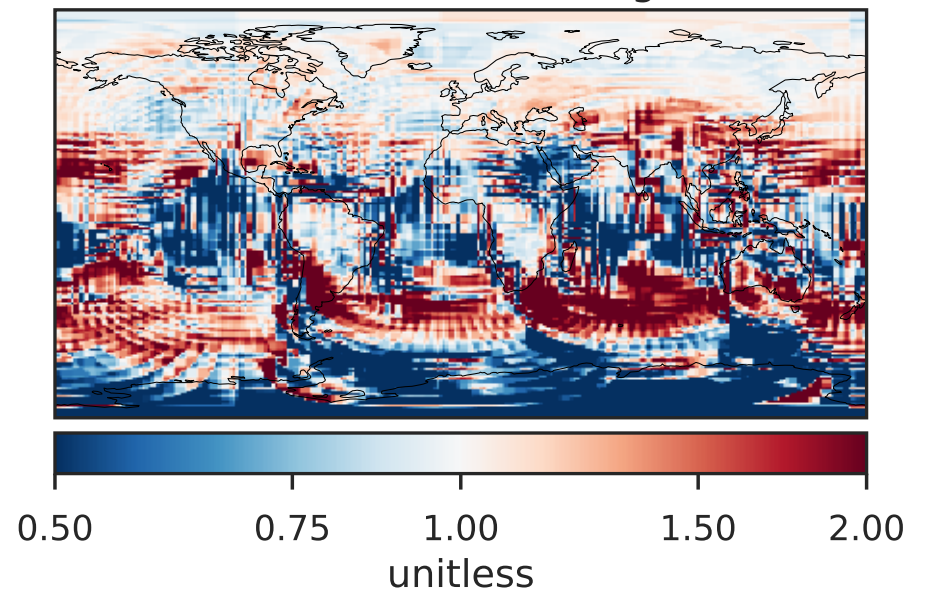
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

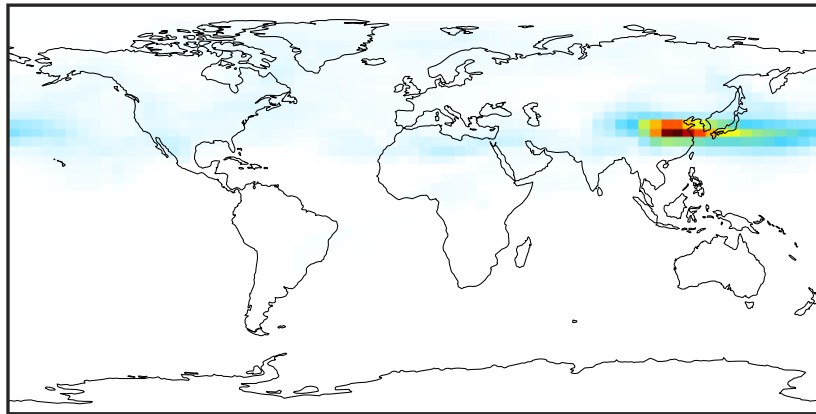


Ratio (1x1.25)  
Dev/Ref, Fixed Range



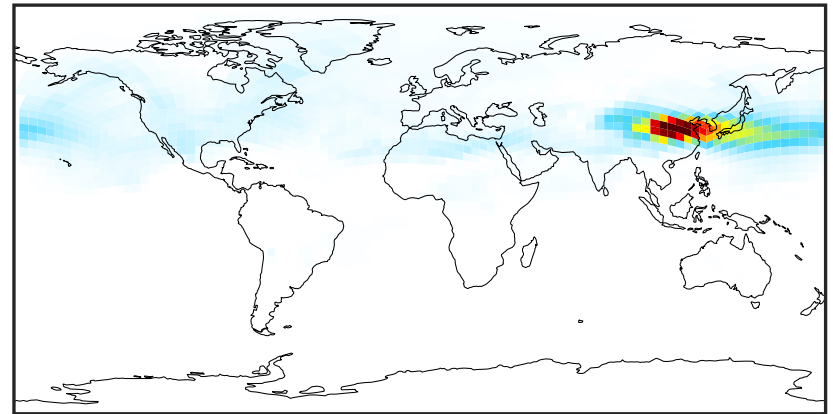
# SpeciesConcVV\_NIT (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



0.0000 0.1631 0.3263 0.4894 0.6525  
ppb

14.3.0-rc.0 (Dev)  
c24



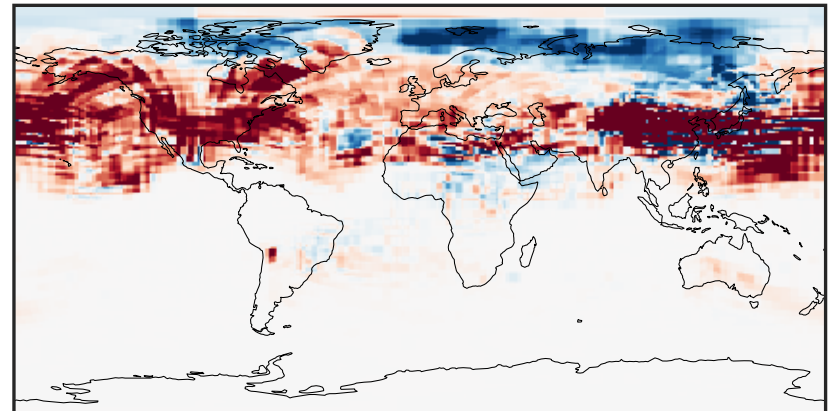
0.0000 0.1631 0.3263 0.4894 0.6525  
ppb

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



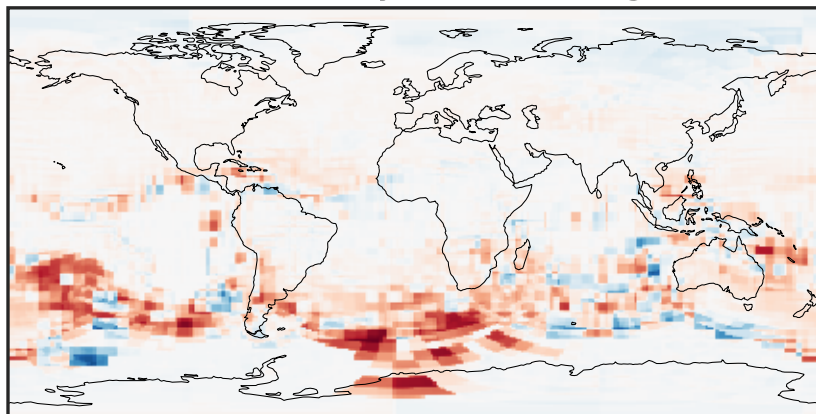
-0.3090 -0.1545 0.0000 0.1545 0.3090  
ppb

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



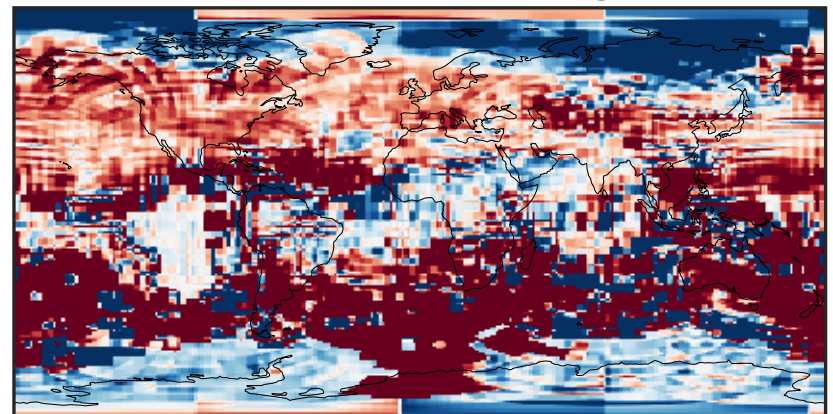
-0.006 0.000 0.006  
ppb

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



1e-05 1e-03 1e-01 10 1000 1e+05  
unitless

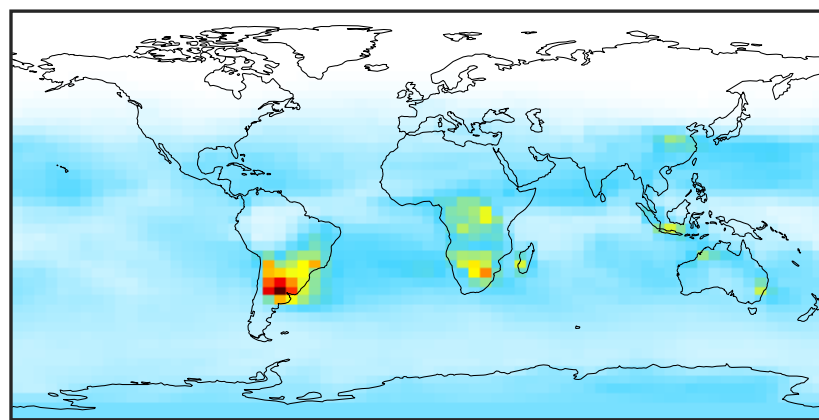
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

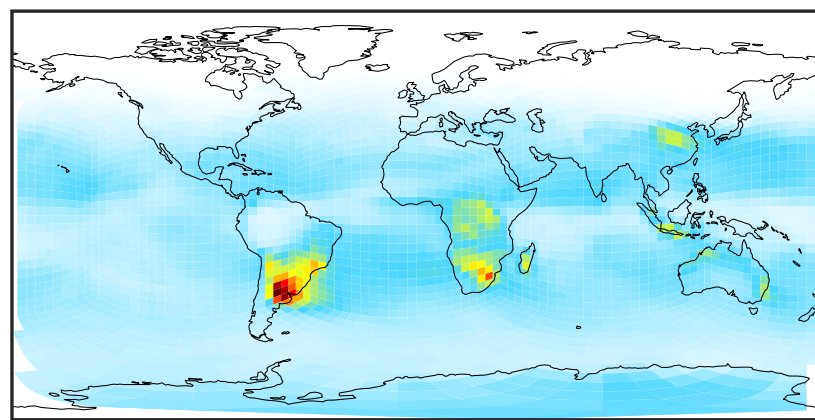
# SpeciesConcVV\_NO (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



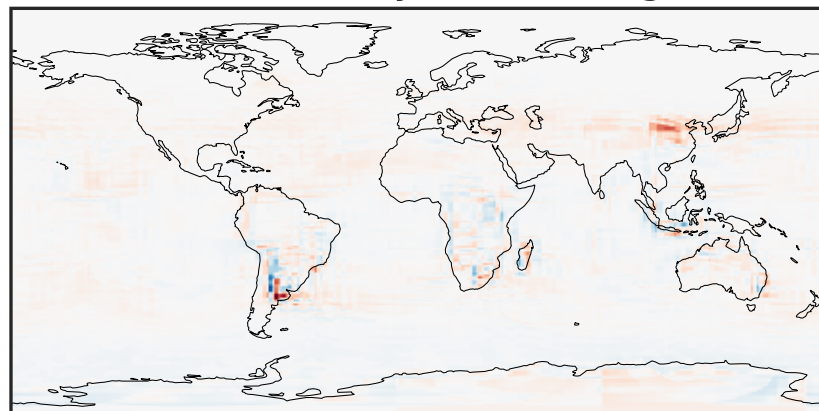
0.000 0.015 0.030 0.045  
ppb

14.3.0-rc.0 (Dev)  
c24



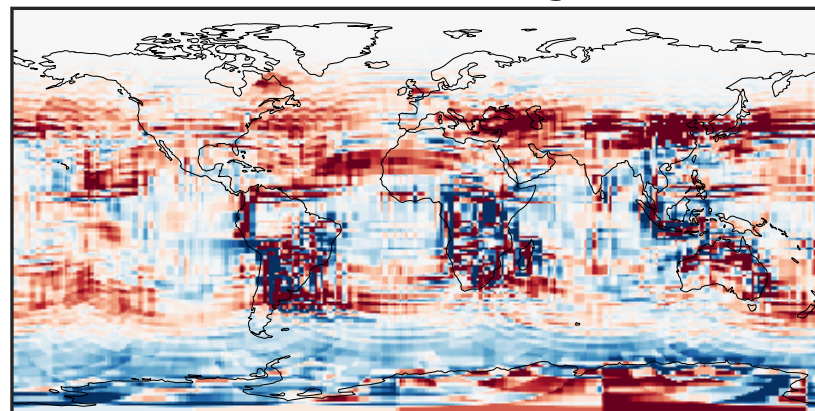
0.000 0.015 0.030 0.045  
ppb

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



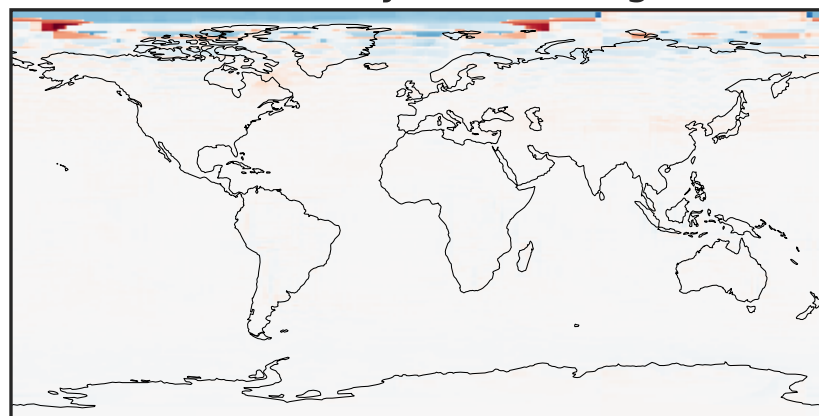
-0.01 0.00 0.01  
ppb

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



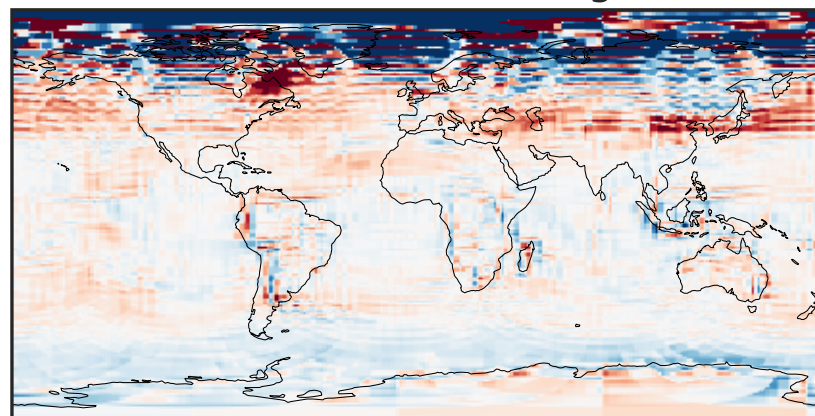
-0.0006 0.0000 0.0006  
ppb

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



unitless

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

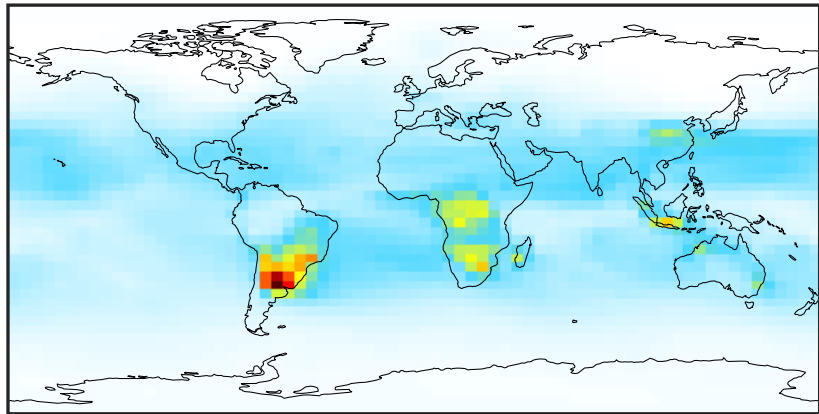


0.50 0.75 1.00 1.50 2.00  
unitless



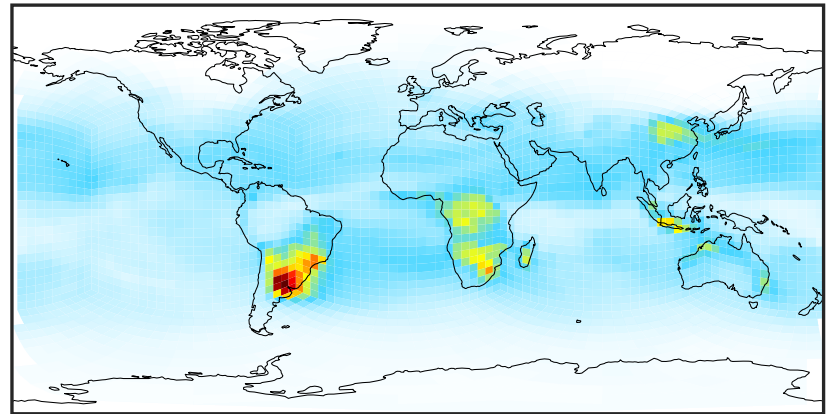
# SpeciesConcVV\_NO2 (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



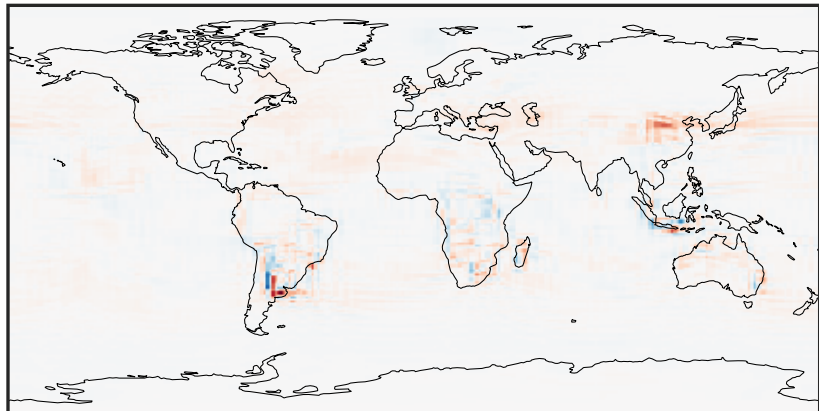
0.0002 0.0376 0.0751 0.1125 0.1500  
ppb

14.3.0-rc.0 (Dev)  
c24



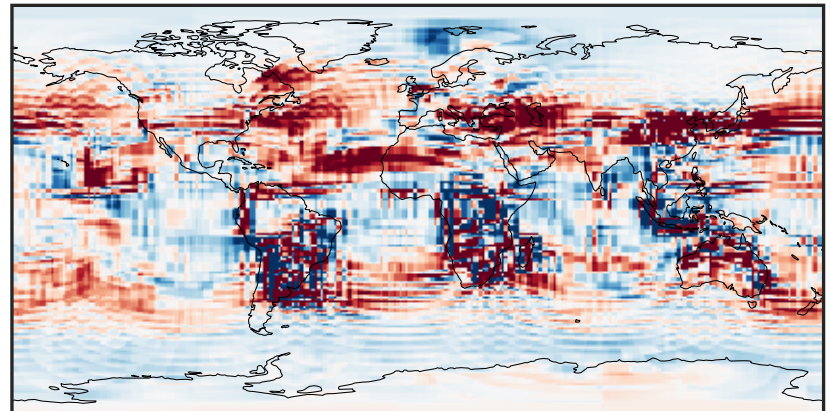
0.0002 0.0376 0.0751 0.1125 0.1500  
ppb

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



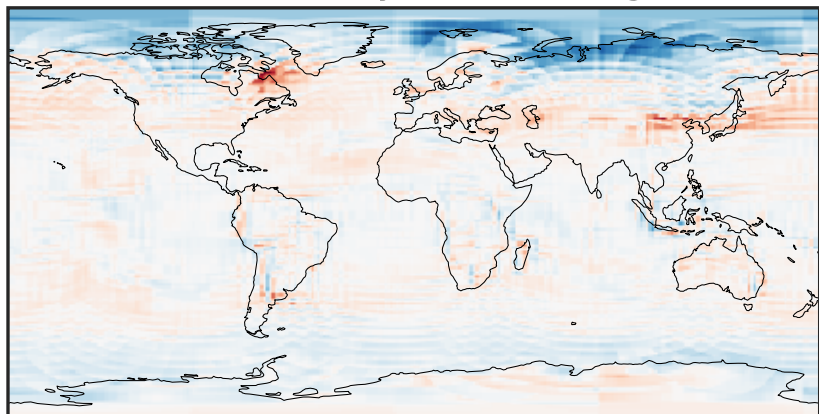
-0.0563 -0.0281 0.0000 0.0281 0.0563  
ppb

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



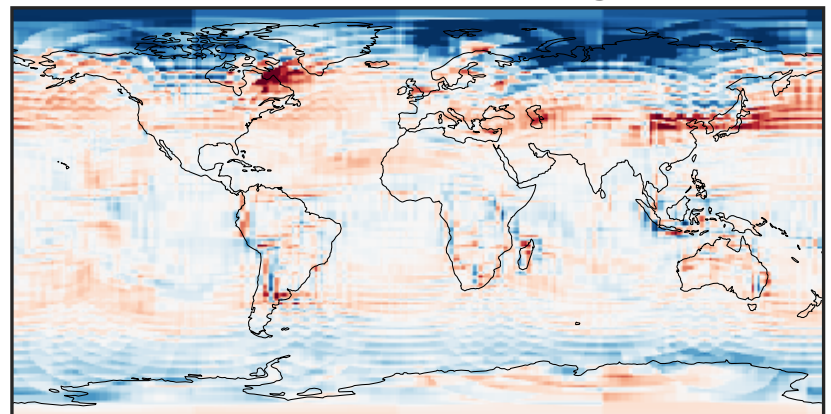
-0.002 0.000 0.002  
ppb

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



0.226 0.613 1.000 2.717 4.433  
unitless

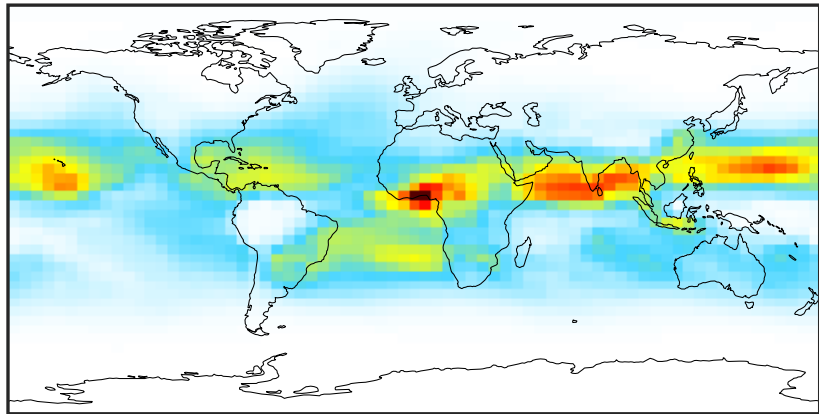
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

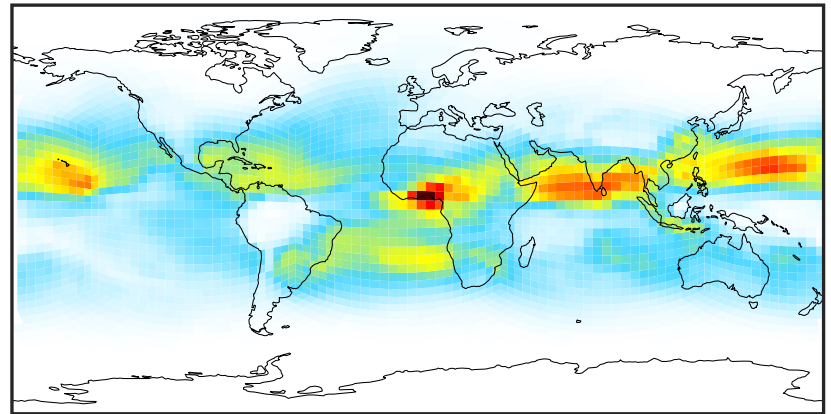
# SpeciesConcVV\_NO3 (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



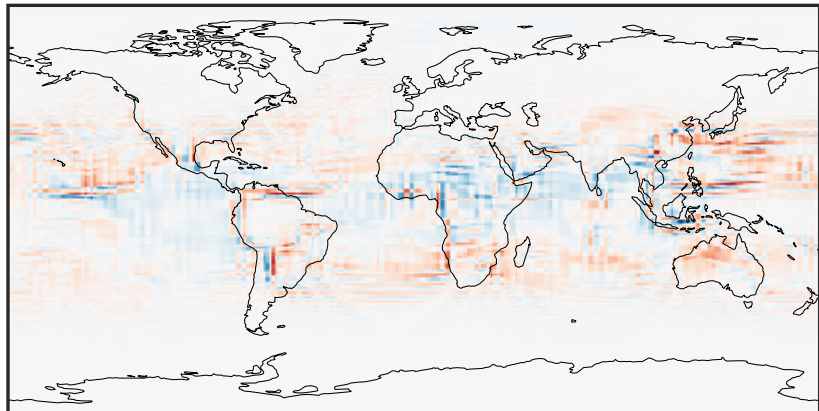
0.0015 0.0030 0.0045  
ppb

14.3.0-rc.0 (Dev)  
c24



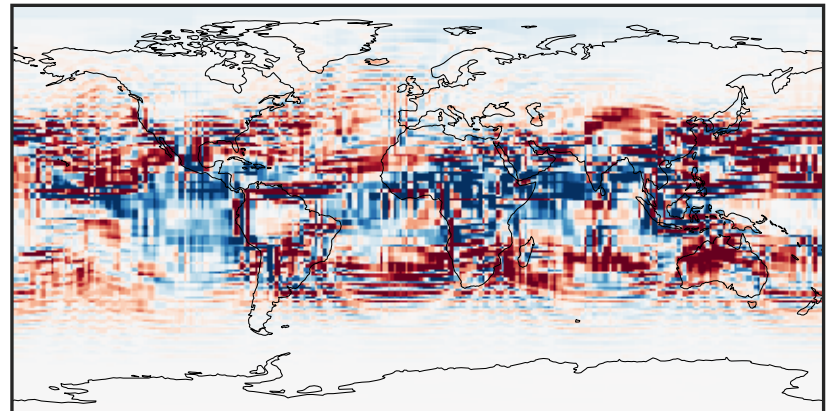
0.0015 0.0030 0.0045  
ppb

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



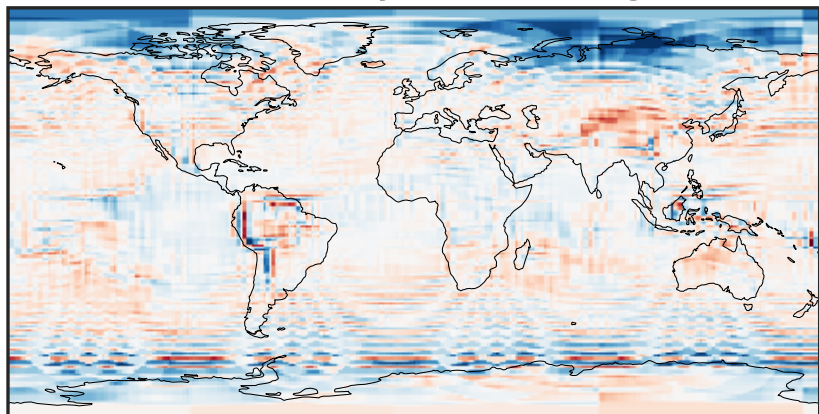
-0.0005 0.0000 0.0005  
ppb

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



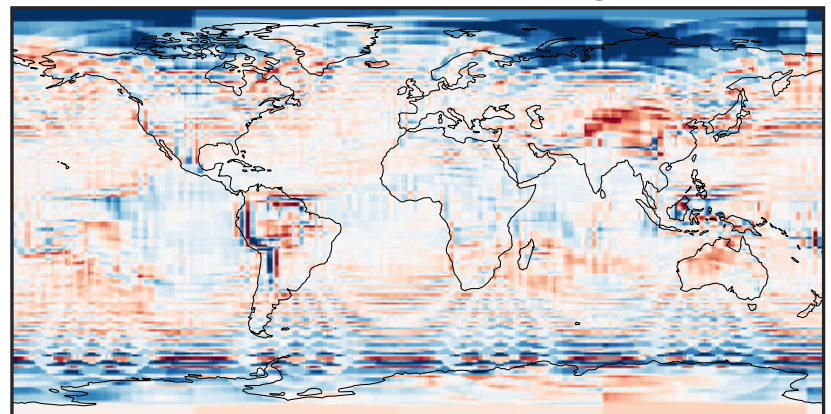
-8 0 8  
ppb 1e-5

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



0.365 0.682 1.000 1.871 2.742  
unitless

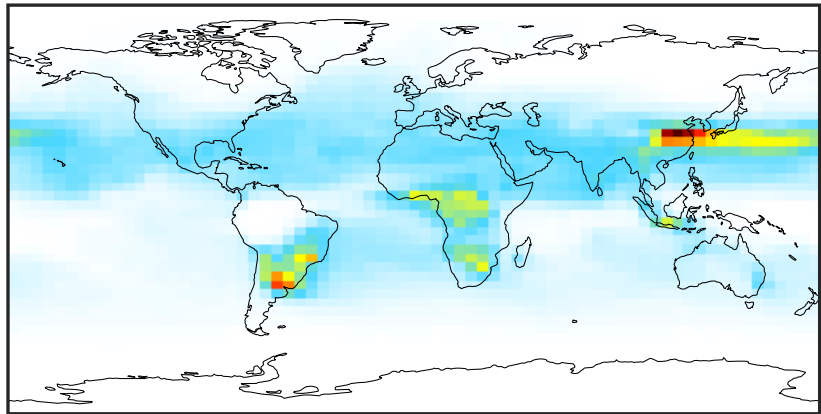
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

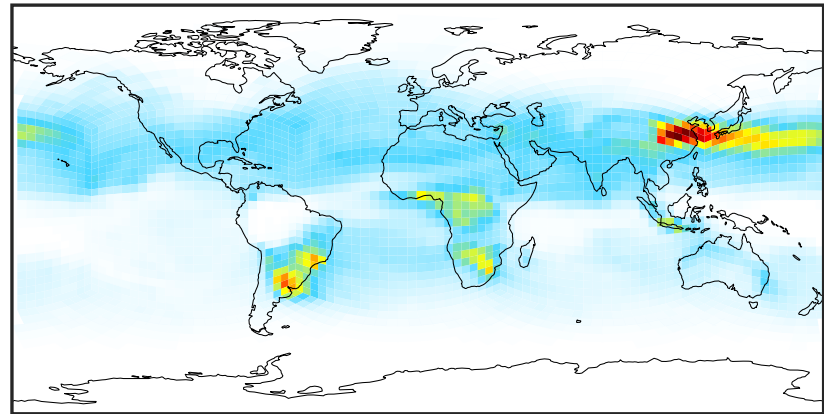
# SpeciesConcVV\_N2O5 (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



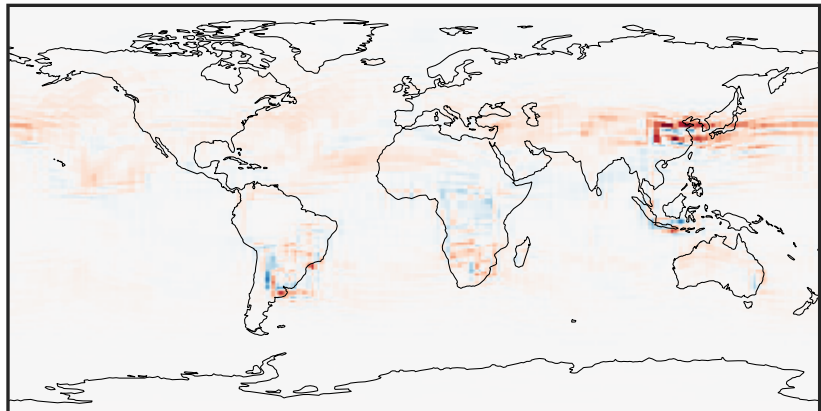
0.004 0.008 0.012  
ppb

14.3.0-rc.0 (Dev)  
c24



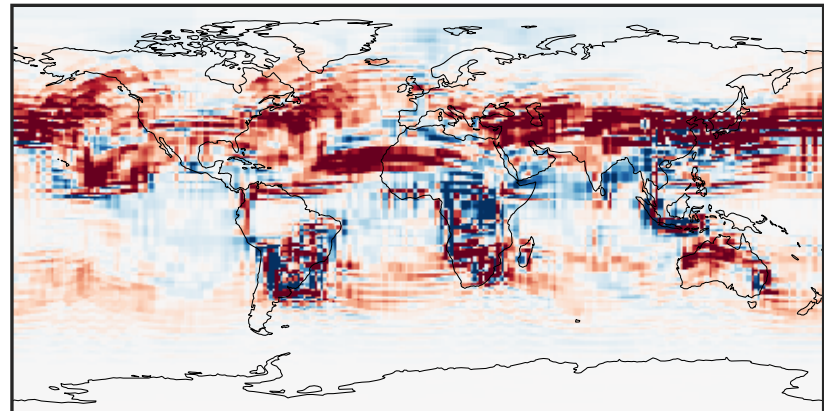
0.004 0.008 0.012  
ppb

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



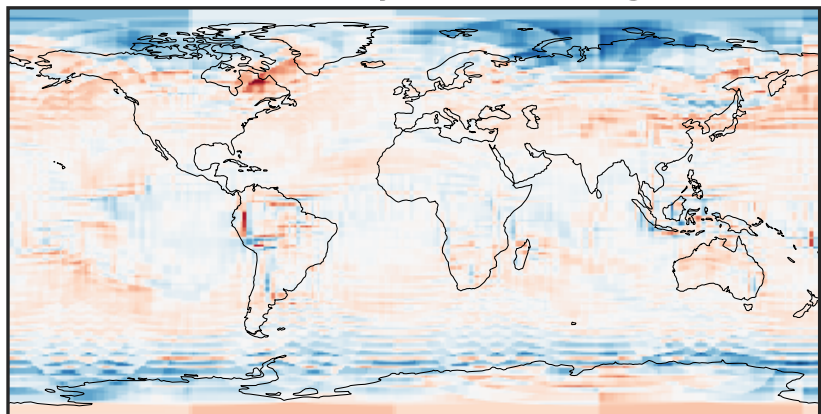
-0.0025 0.0000 0.0025  
ppb

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



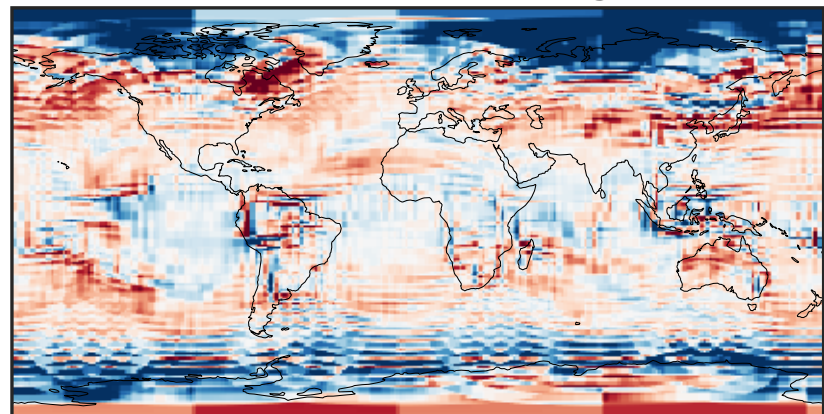
-0.00025 0.00000 0.00025  
ppb

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



0.150 0.575 1.000 3.842 6.684  
unitless

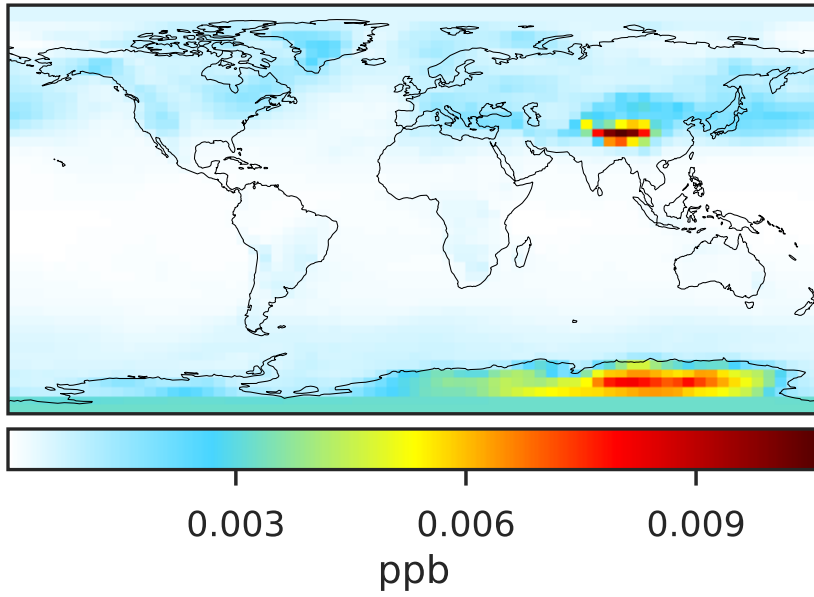
Ratio (1x1.25)  
Dev/Ref, Fixed Range



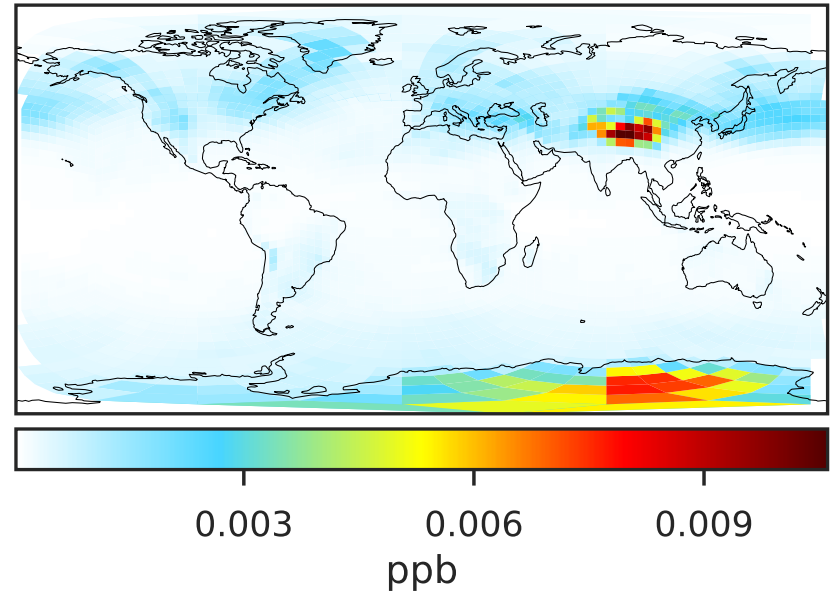
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_MPN (Jan2019)

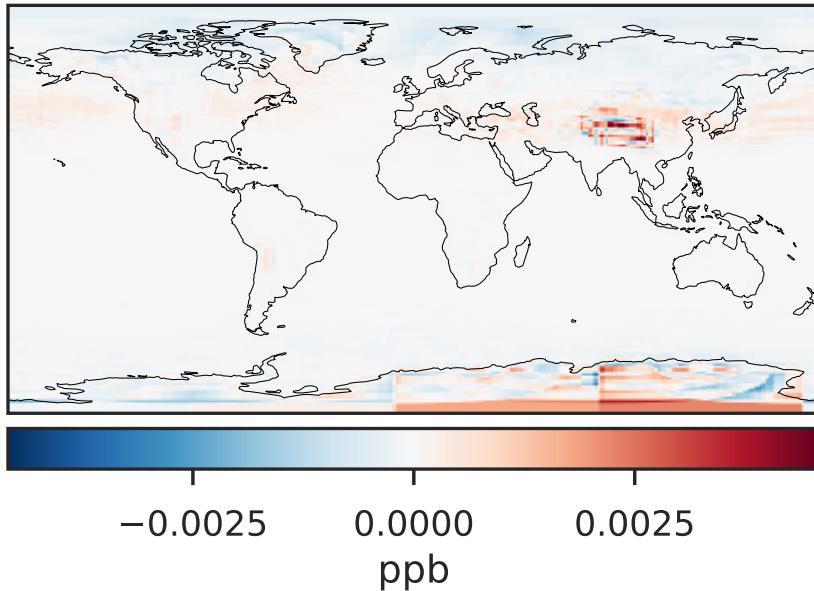
14.3.0-rc.0 (Ref)  
4.0x5.0



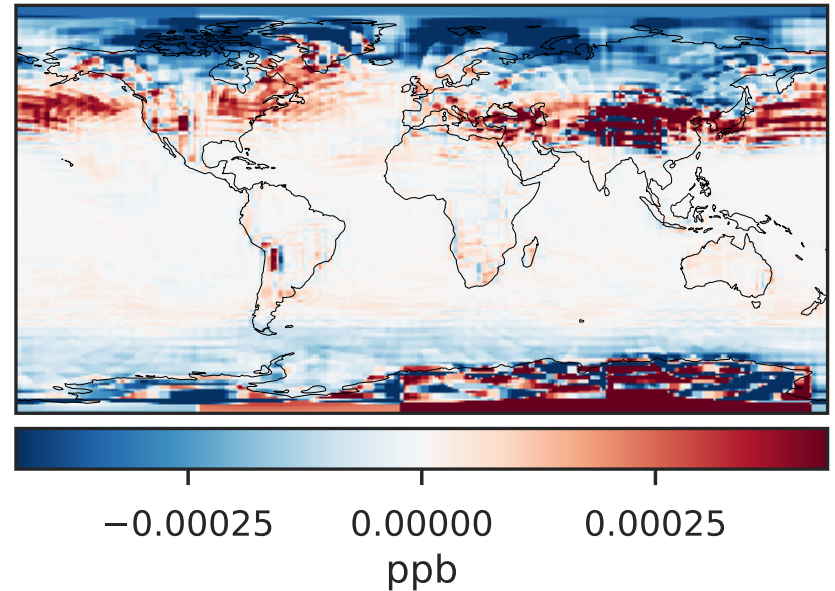
14.3.0-rc.0 (Dev)  
c24



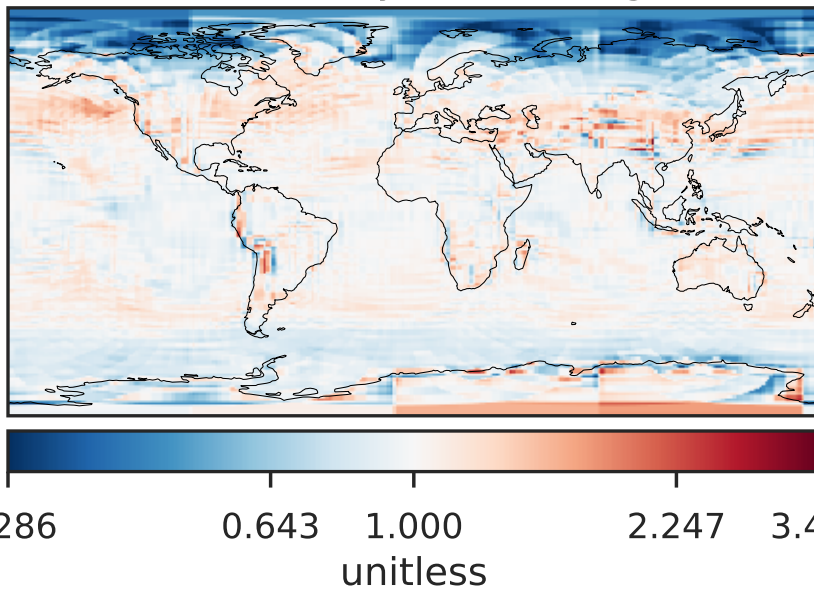
Difference (1x1.25)  
Dev - Ref, Dynamic Range



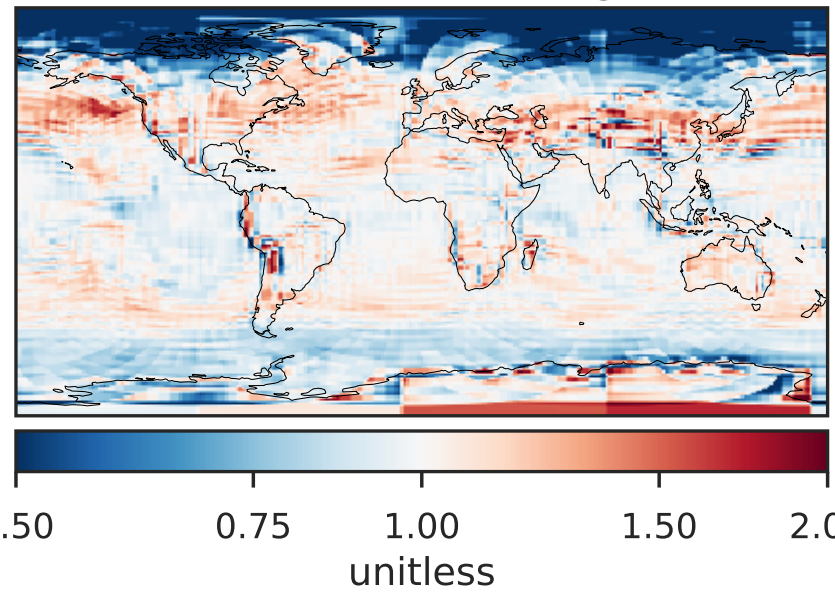
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

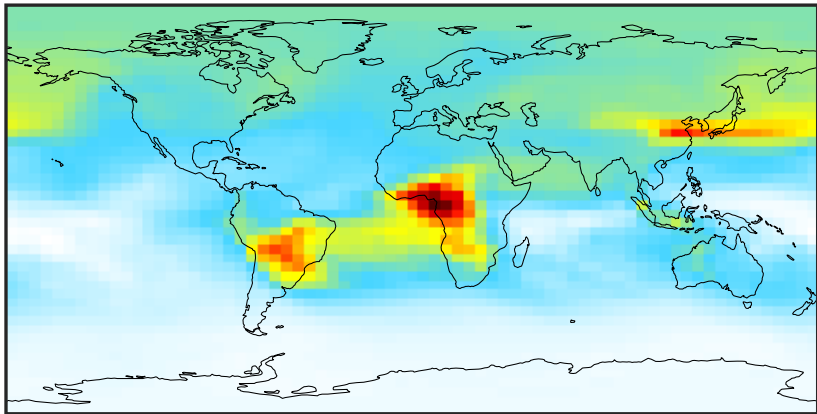


Ratio (1x1.25)  
Dev/Ref, Fixed Range



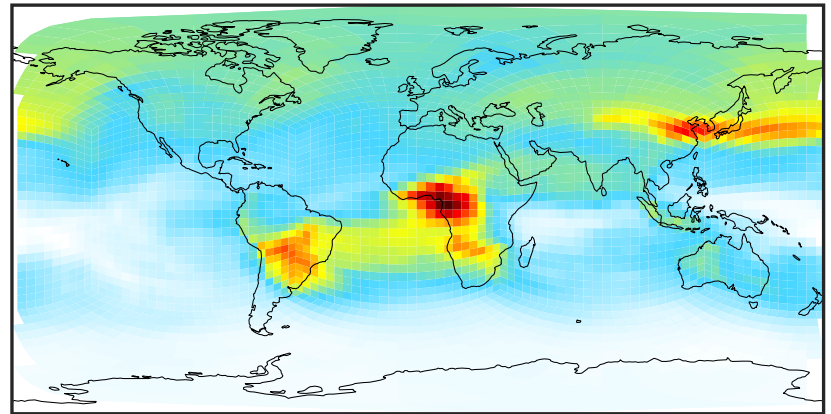
# SpeciesConcVV\_PAN (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



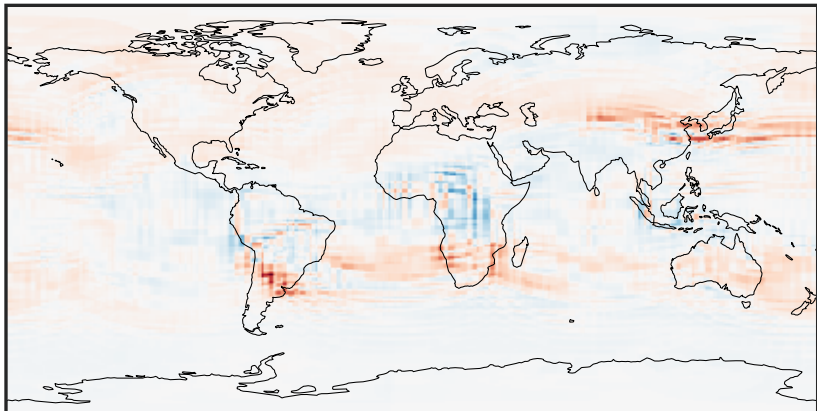
0.0088 0.1005 0.1922 0.2839 0.3756  
ppb

14.3.0-rc.0 (Dev)  
c24



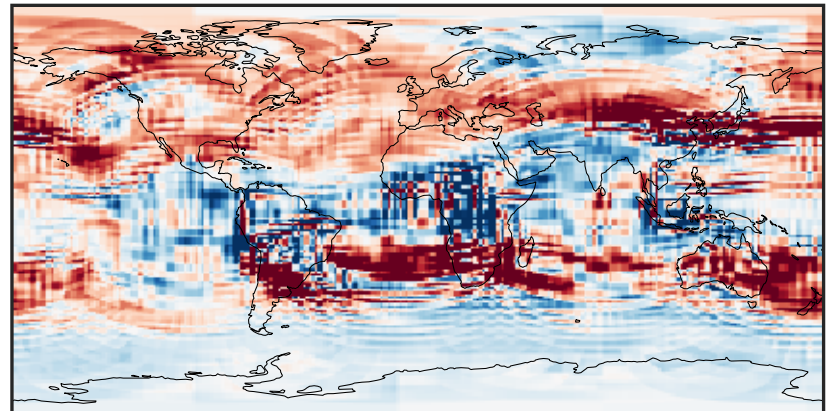
0.0088 0.1005 0.1922 0.2839 0.3756  
ppb

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



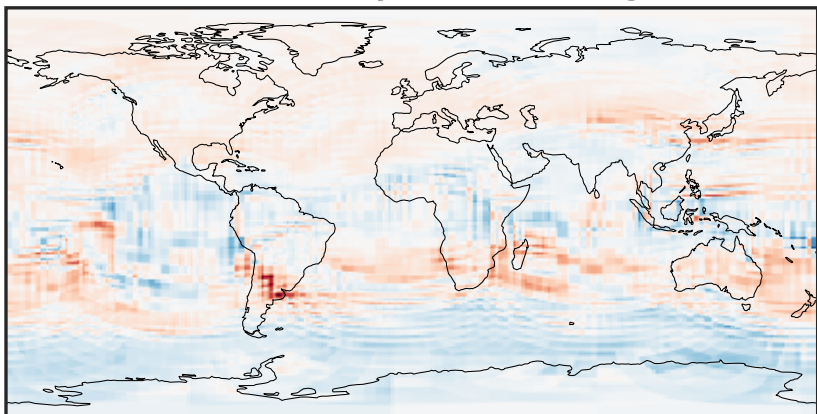
-0.0934 -0.0467 0.0000 0.0467 0.0934  
ppb

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



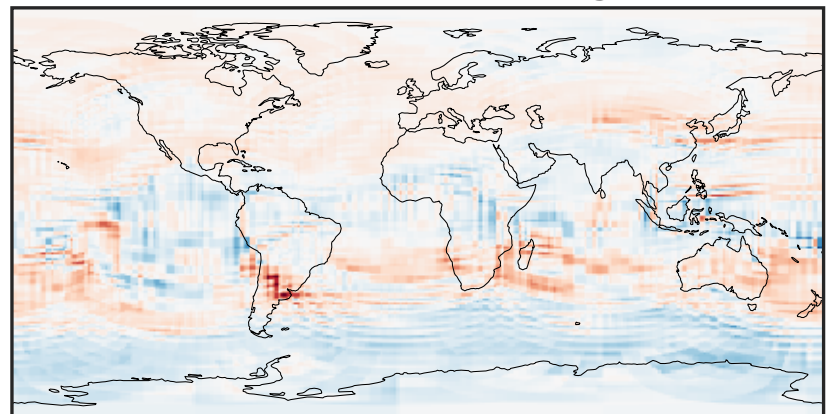
-0.008 0.000 0.008  
ppb

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



0.490 0.745 1.000 1.521 2.042  
unitless

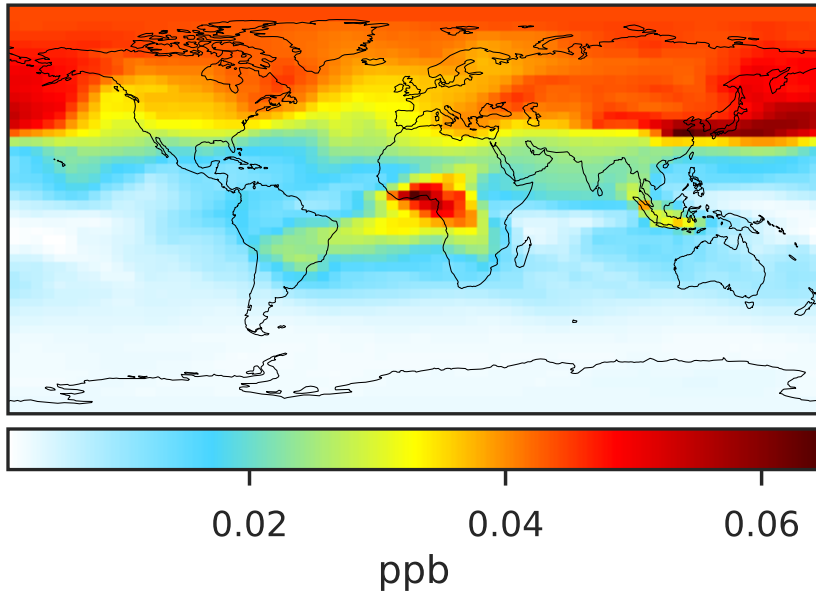
Ratio (1x1.25)  
Dev/Ref, Fixed Range



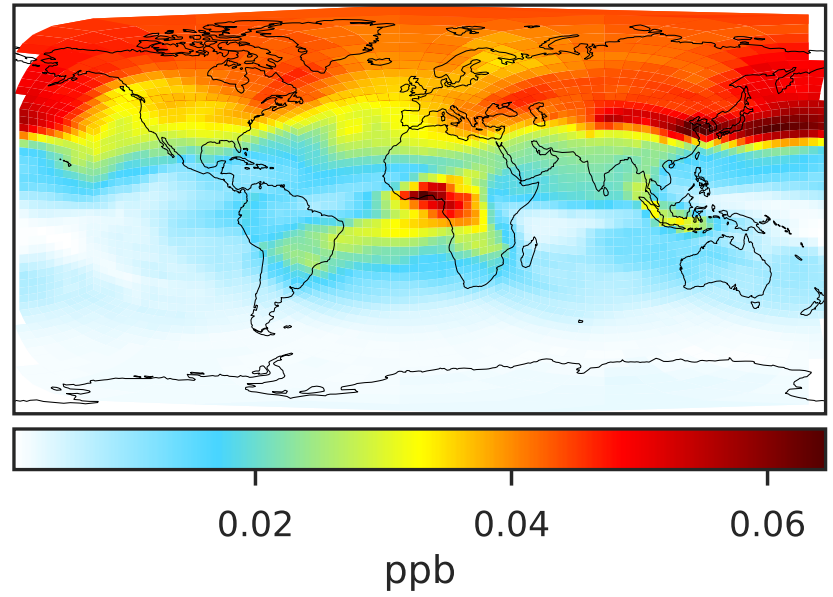
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_PPN (Jan2019)

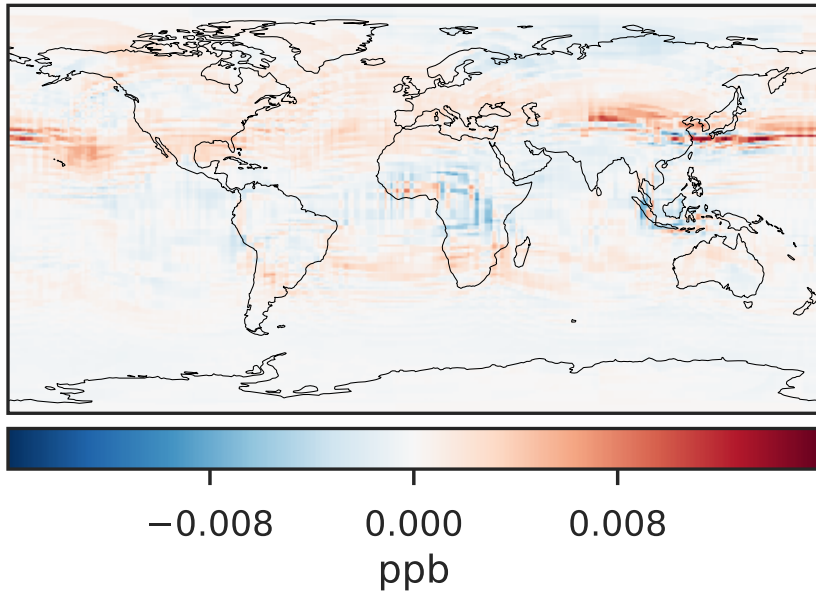
14.3.0-rc.0 (Ref)  
4.0x5.0



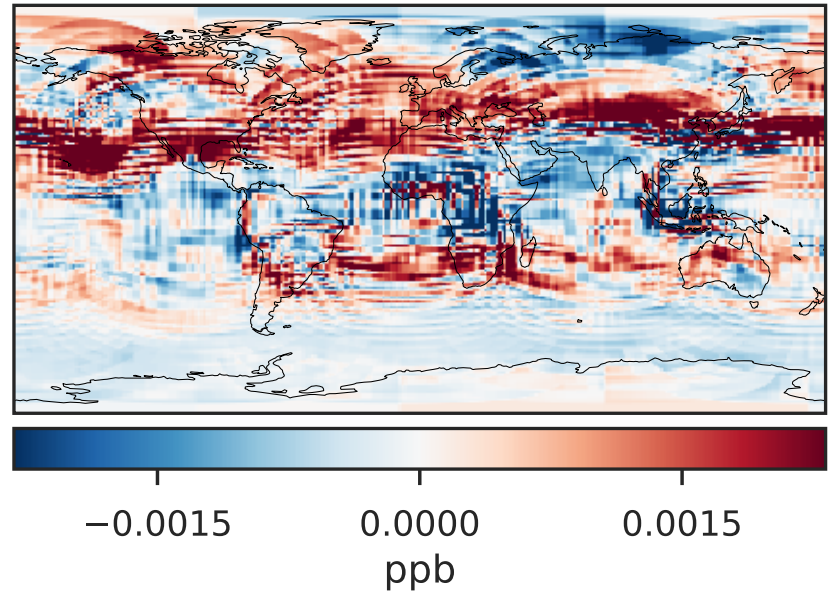
14.3.0-rc.0 (Dev)  
c24



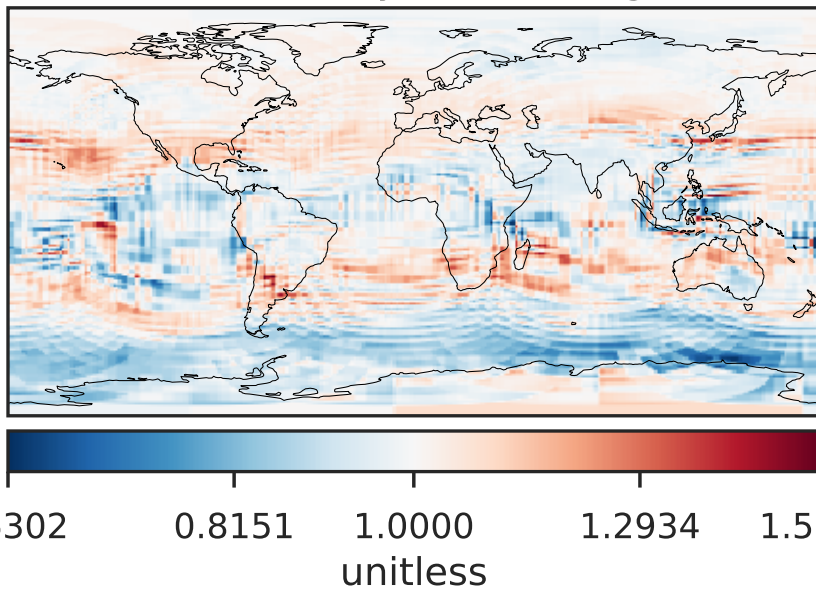
Difference (1x1.25)  
Dev - Ref, Dynamic Range



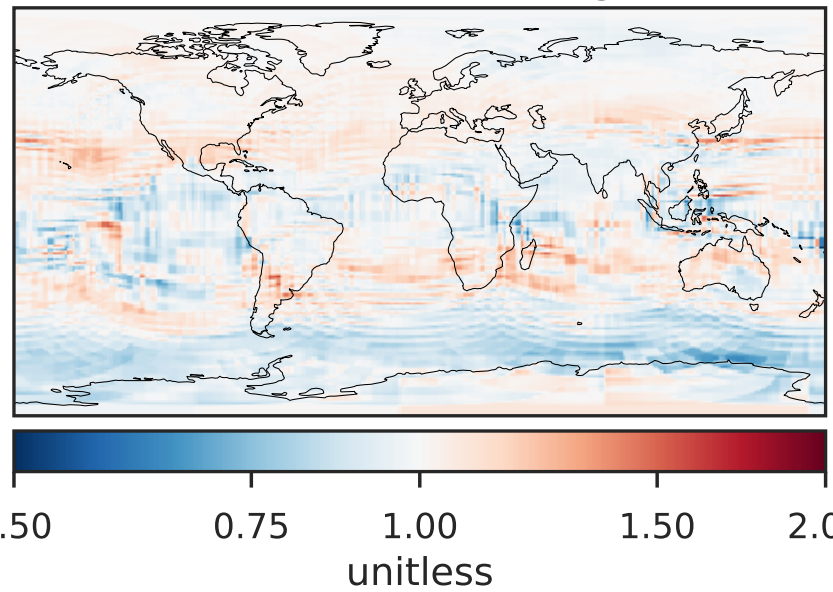
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

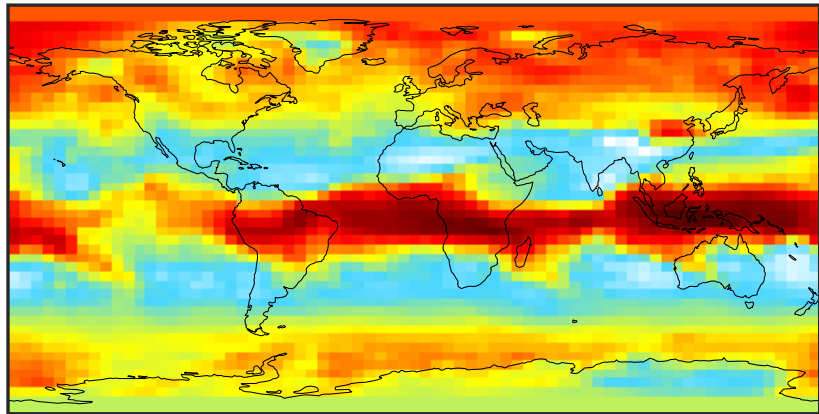


Ratio (1x1.25)  
Dev/Ref, Fixed Range



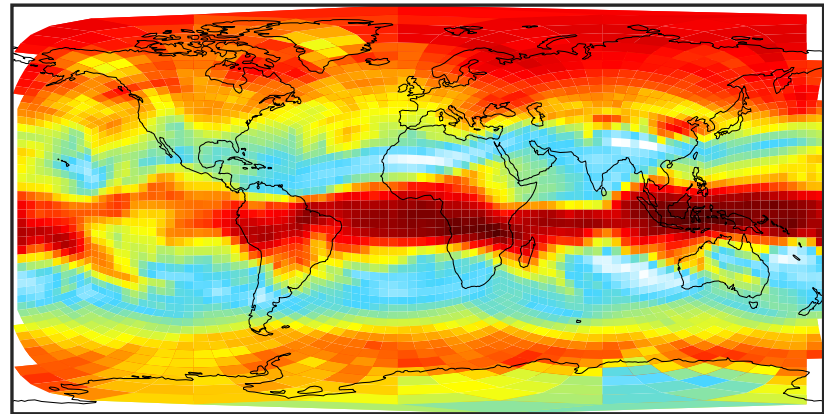
# SpeciesConcVV\_N2O (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



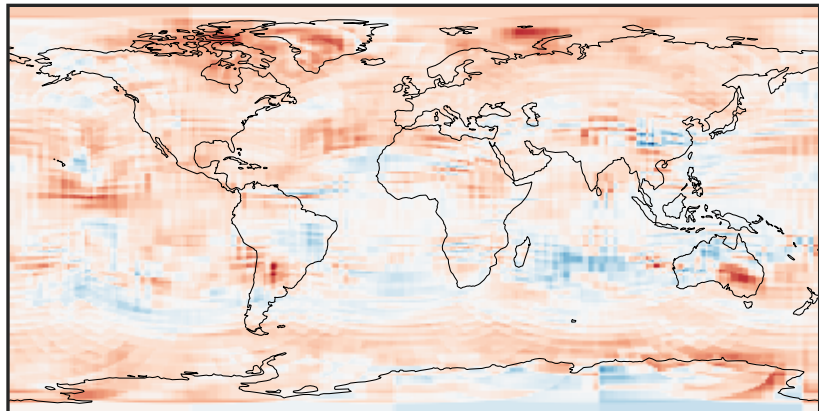
329.1887 329.3616 329.5346 329.7075 329.8804  
ppb

14.3.0-rc.0 (Dev)  
c24



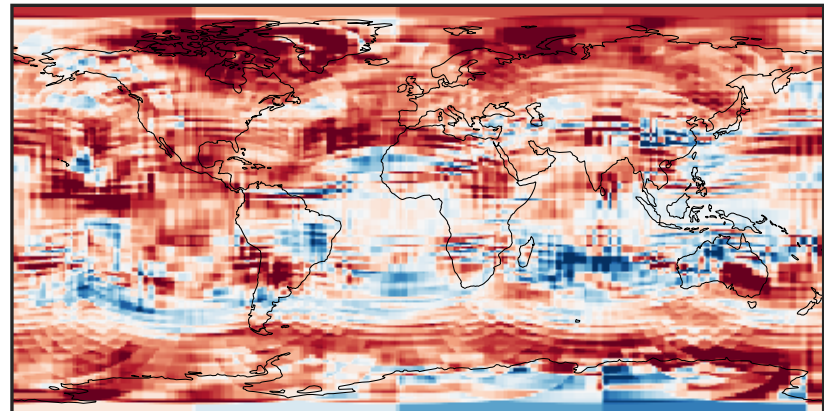
329.1887 329.3616 329.5346 329.7075 329.8804  
ppb

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



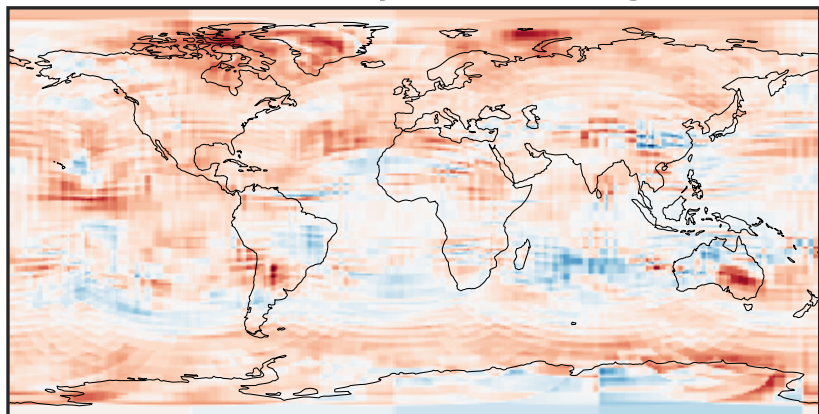
-0.2621 -0.1311 0.0000 0.1311 0.2621  
ppb

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



-0.0866 -0.0433 0.0000 0.0433 0.0866  
ppb

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



0.999335 1.000000 1.000665  
unitless

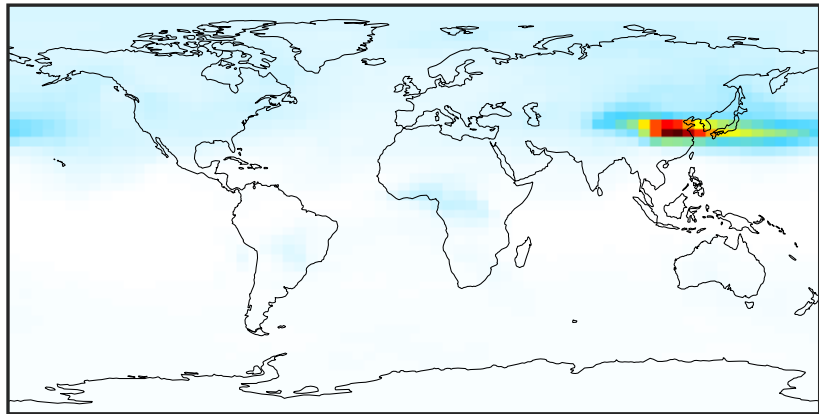
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

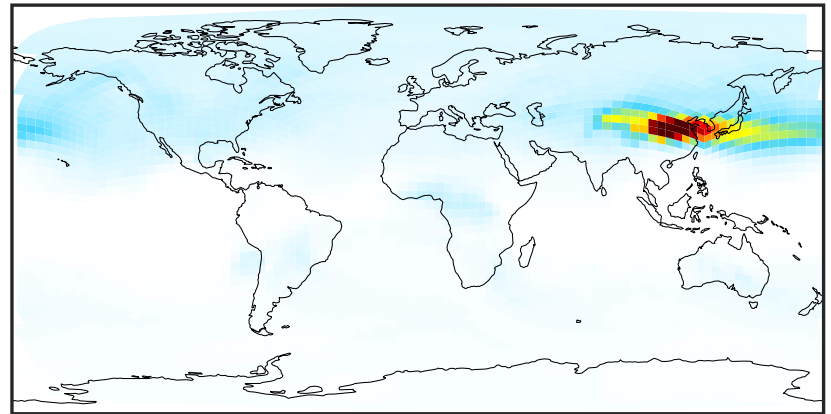
# SpeciesConcVV\_NHx (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



0.000 0.354 0.707 1.061 1.414  
ppb

14.3.0-rc.0 (Dev)  
c24



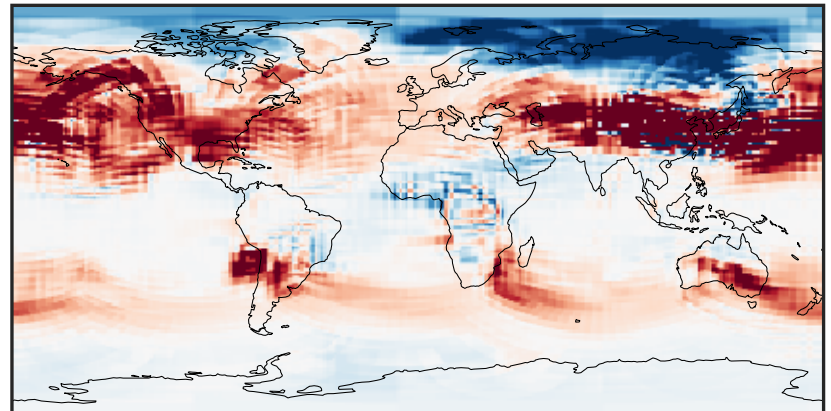
0.000 0.354 0.707 1.061 1.414  
ppb

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



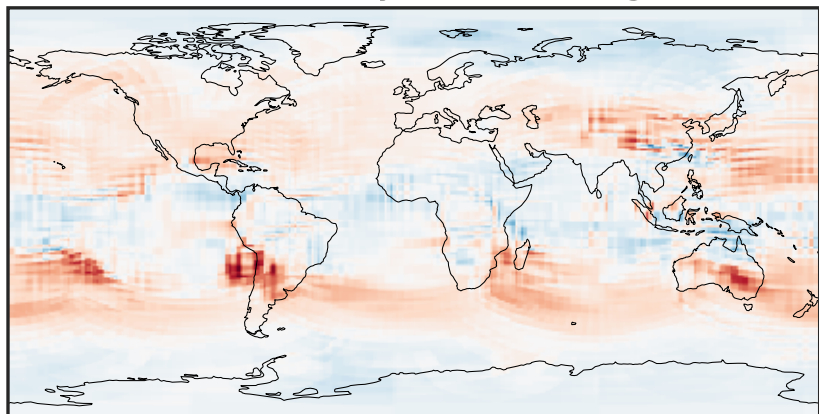
-0.746 -0.373 0.000 0.373 0.746  
ppb

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



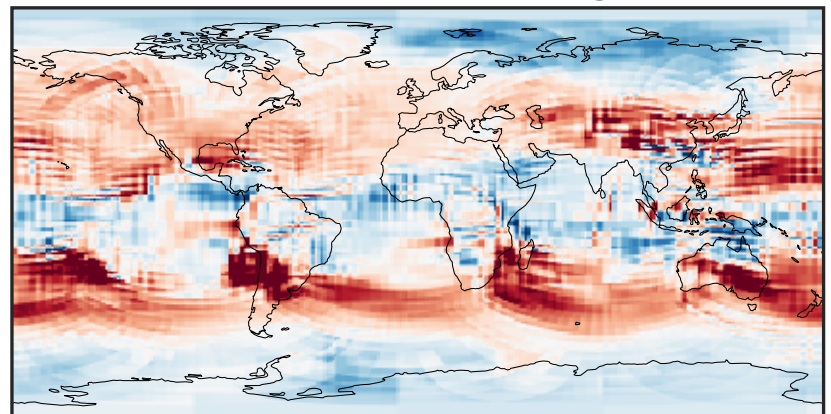
-0.015 0.000 0.015  
ppb

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



0.168 0.584 1.000 3.485 5.970  
unitless

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

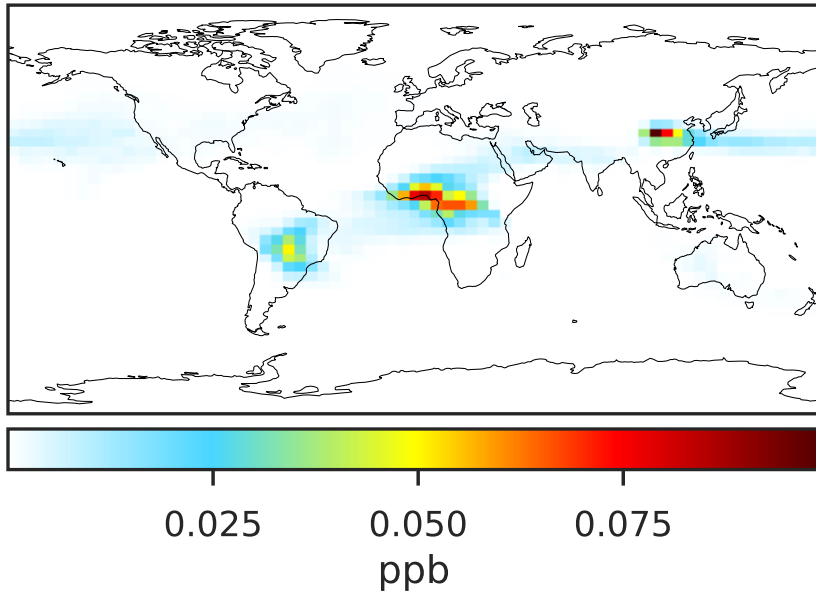


0.50 0.75 1.00 1.50 2.00  
unitless

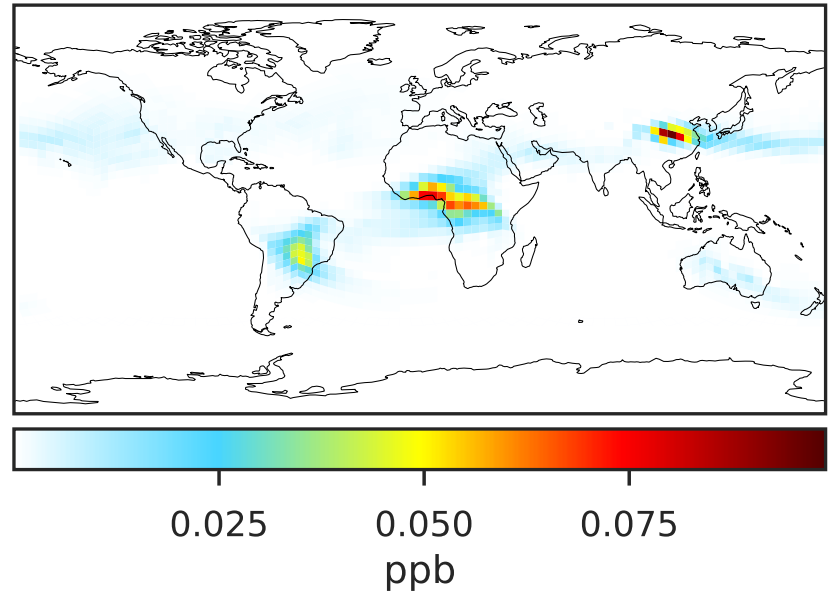


# SpeciesConcVV\_NH3 (Jan2019)

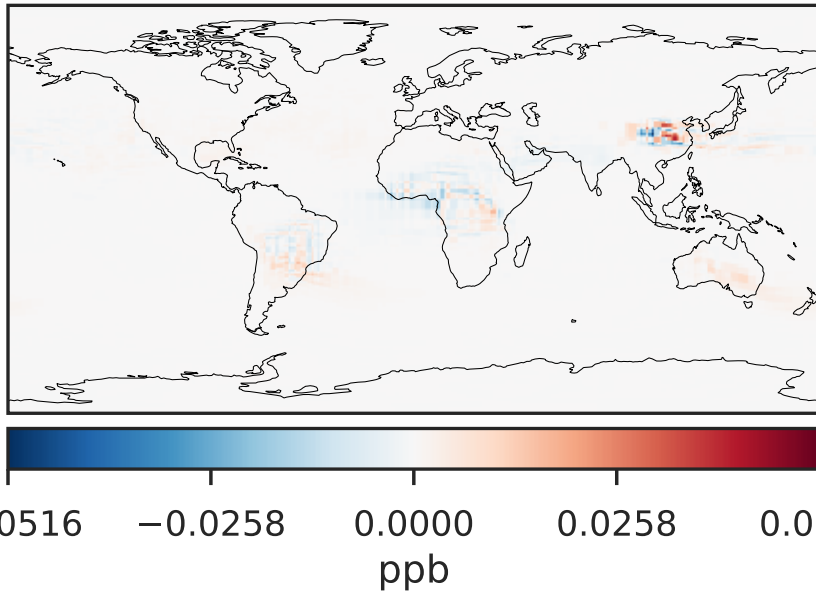
14.3.0-rc.0 (Ref)  
4.0x5.0



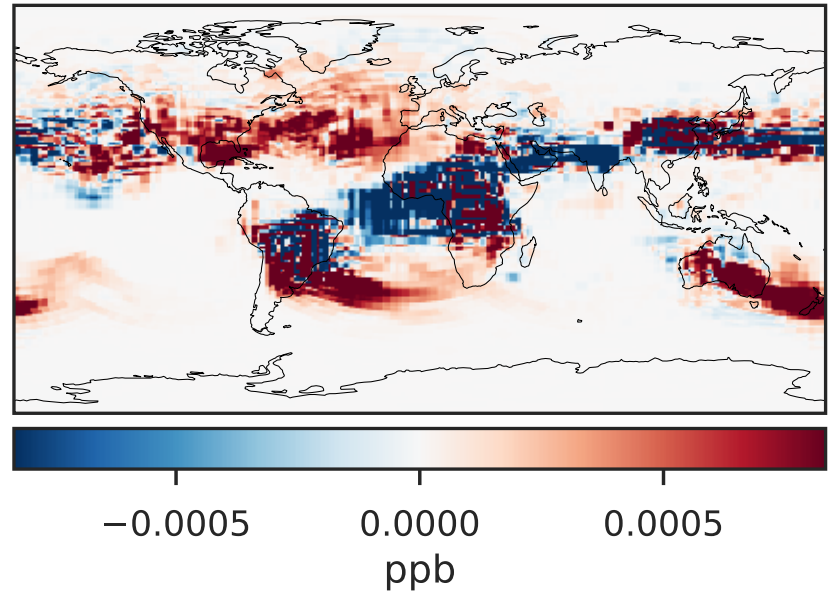
14.3.0-rc.0 (Dev)  
c24



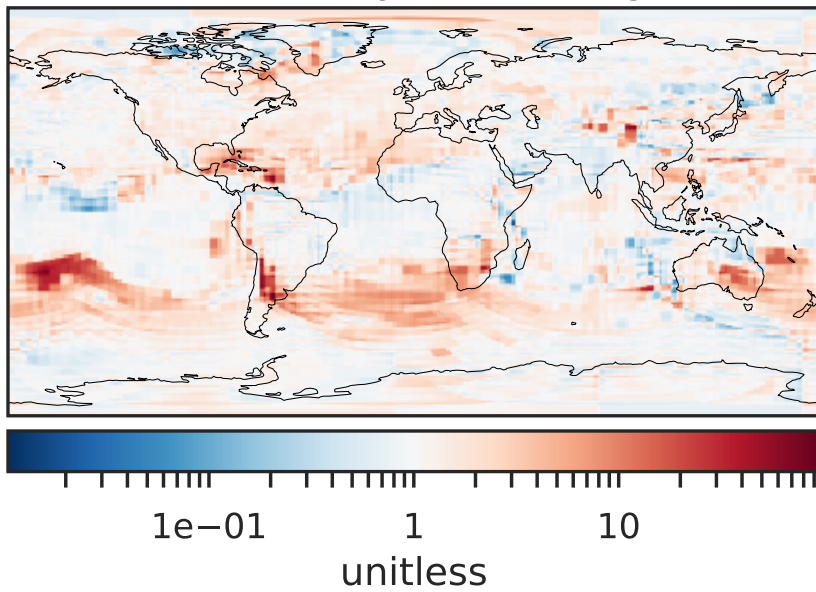
Difference (1x1.25)  
Dev - Ref, Dynamic Range



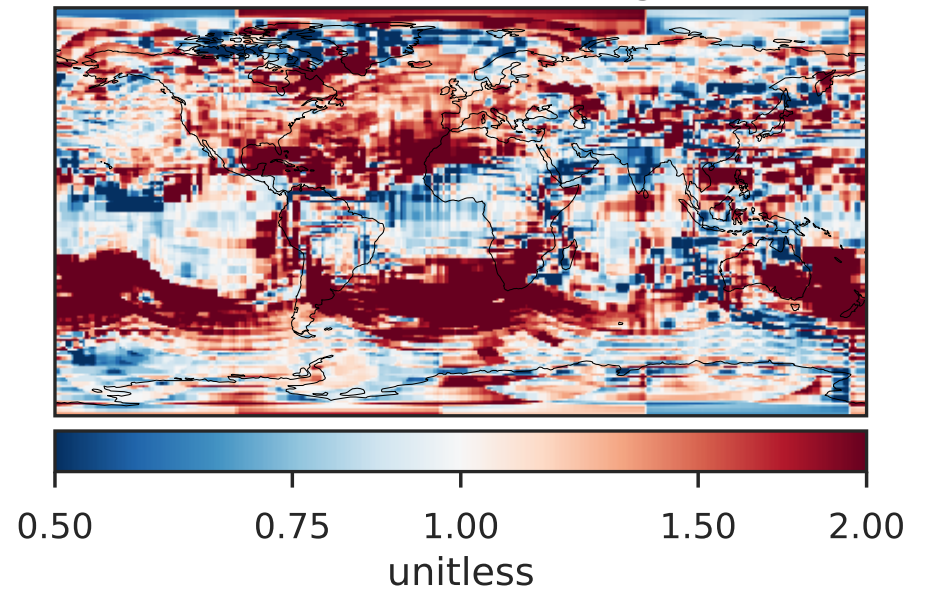
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

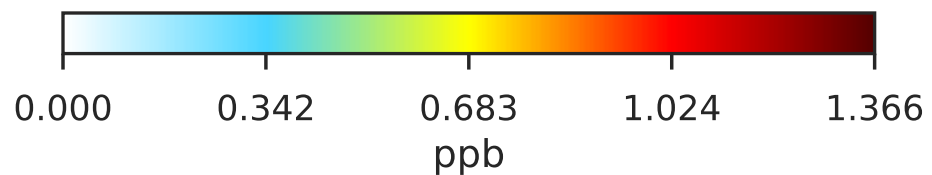
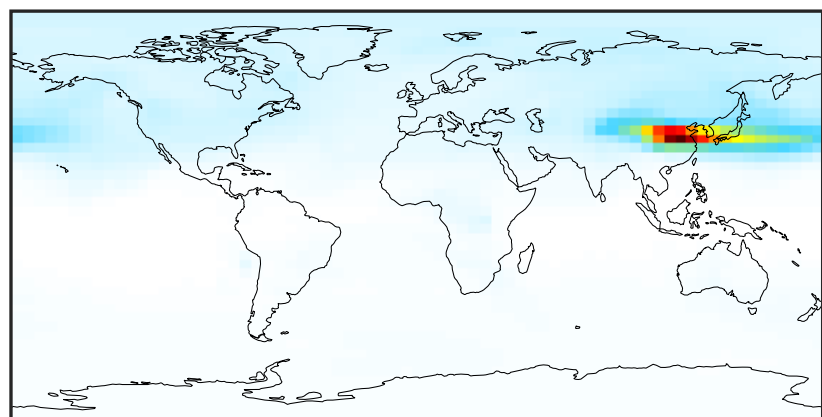


Ratio (1x1.25)  
Dev/Ref, Fixed Range

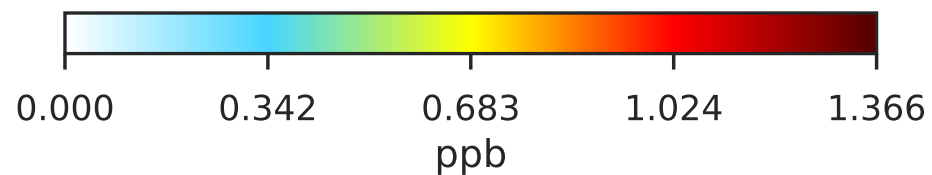
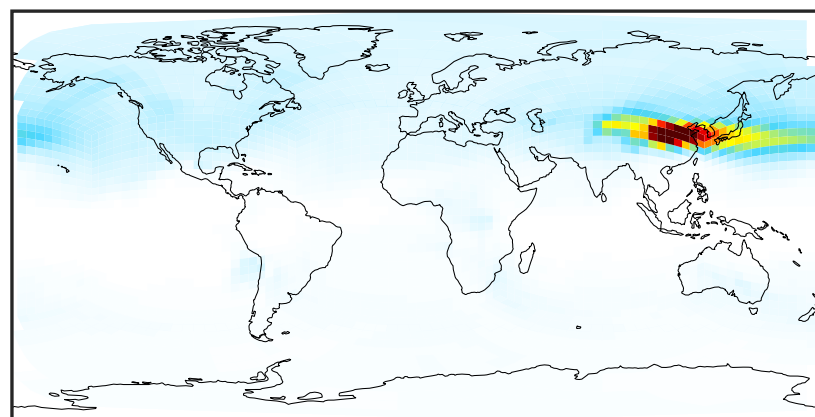


# SpeciesConcVV\_NH4 (Jan2019)

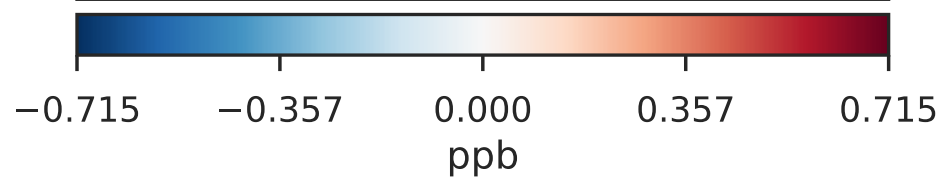
14.3.0-rc.0 (Ref)  
4.0x5.0



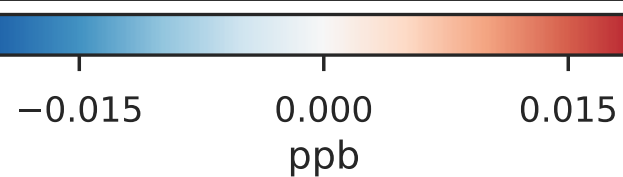
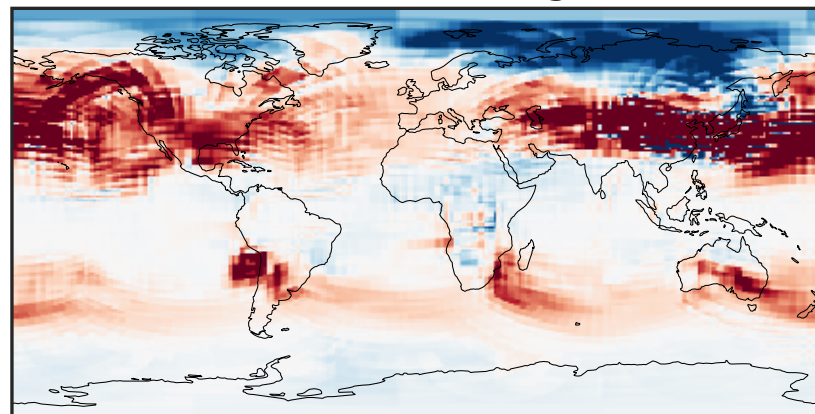
14.3.0-rc.0 (Dev)  
c24



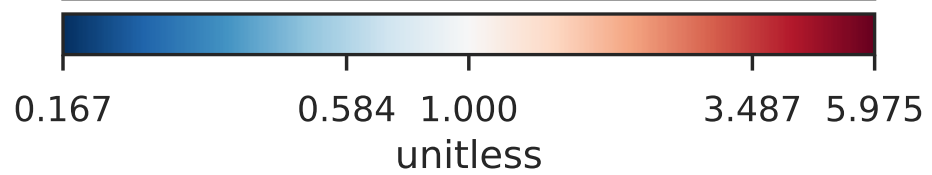
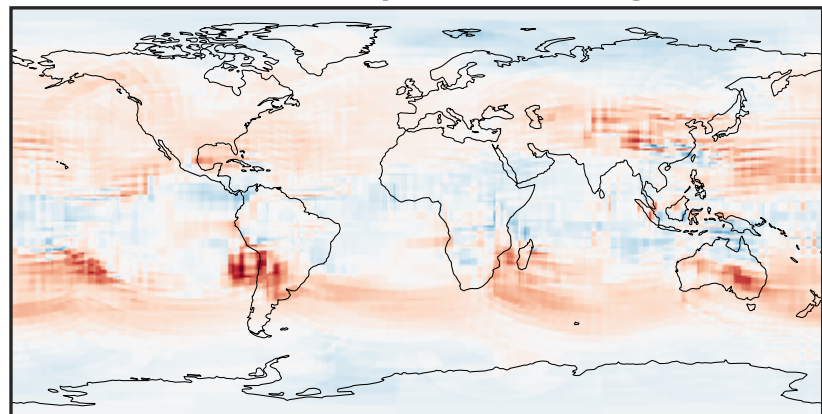
Difference (1x1.25)  
Dev - Ref, Dynamic Range



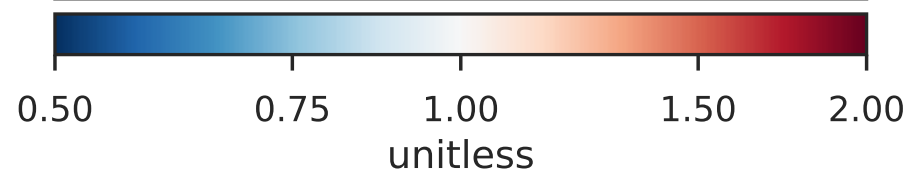
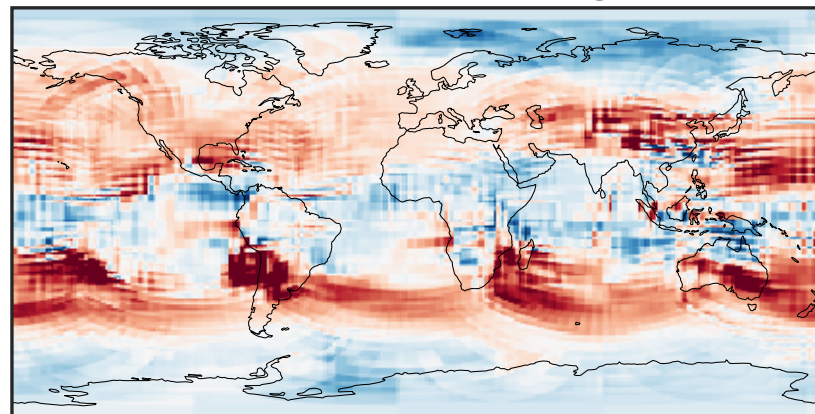
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

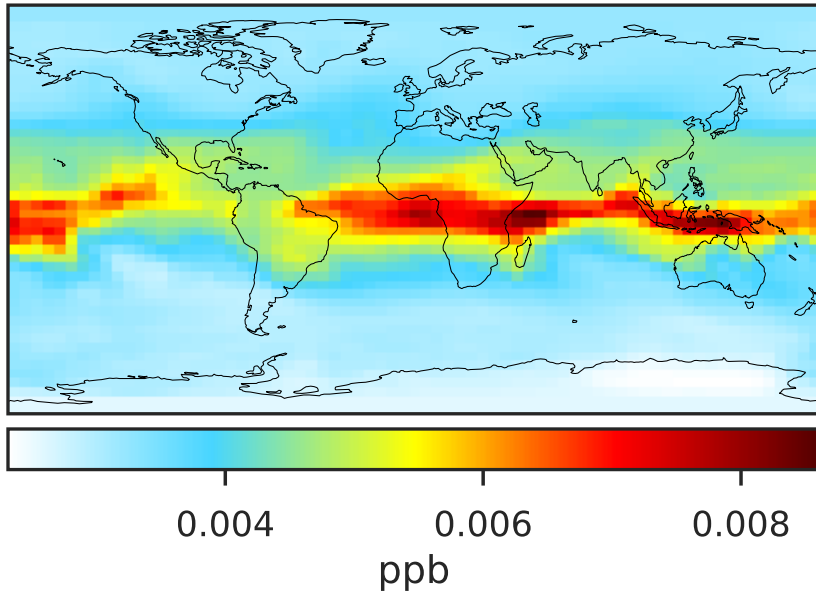


Ratio (1x1.25)  
Dev/Ref, Fixed Range

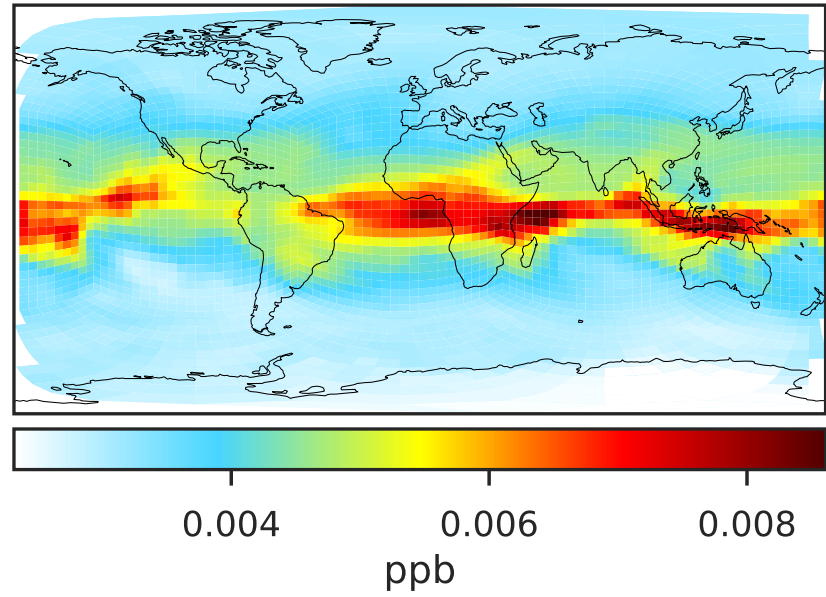


# SpeciesConcVV\_MENO3 (Jan2019)

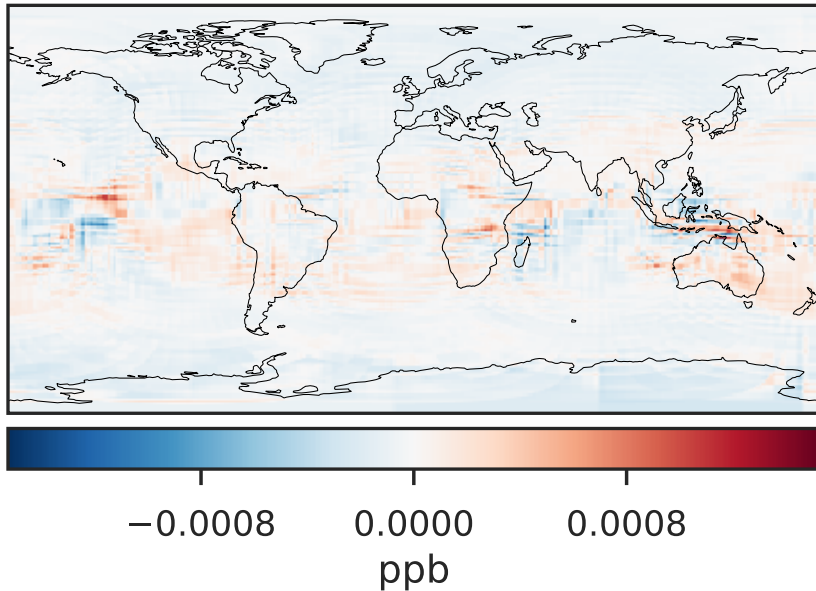
14.3.0-rc.0 (Ref)  
4.0x5.0



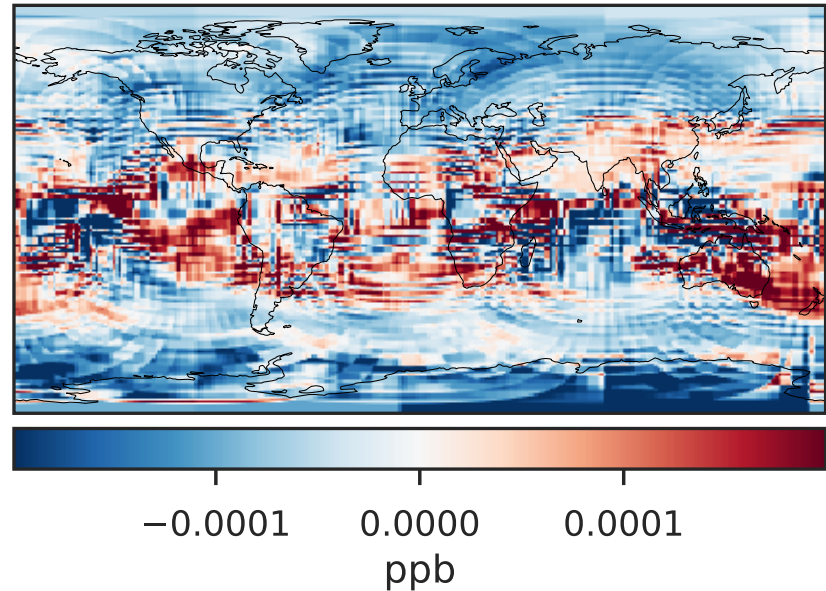
14.3.0-rc.0 (Dev)  
c24



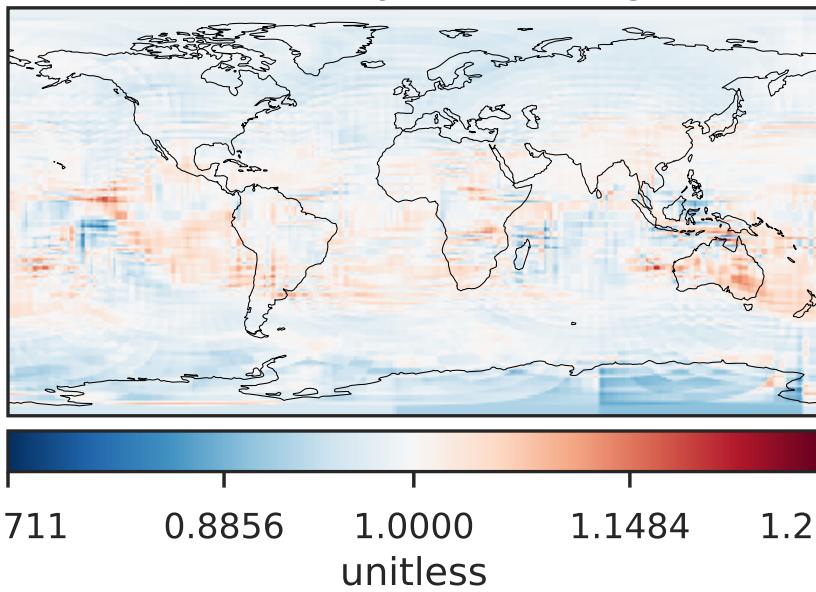
Difference (1x1.25)  
Dev - Ref, Dynamic Range



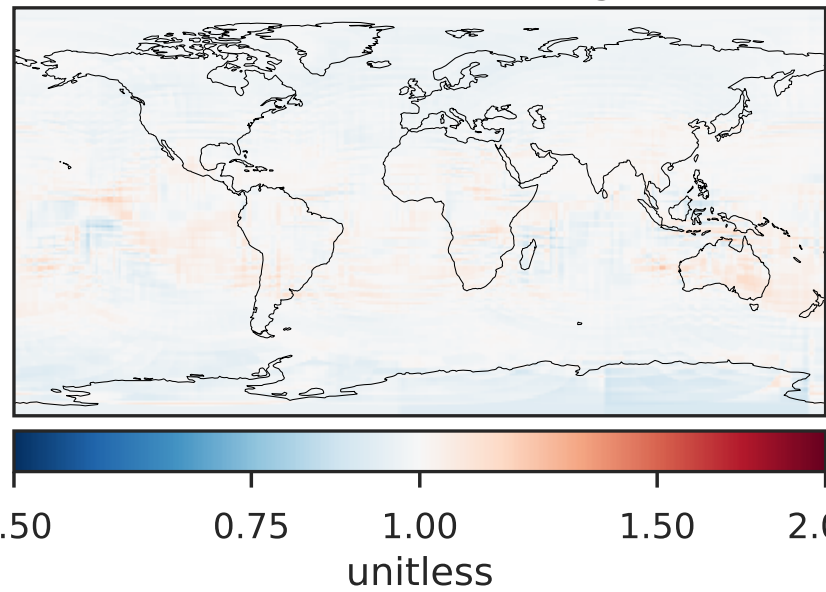
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

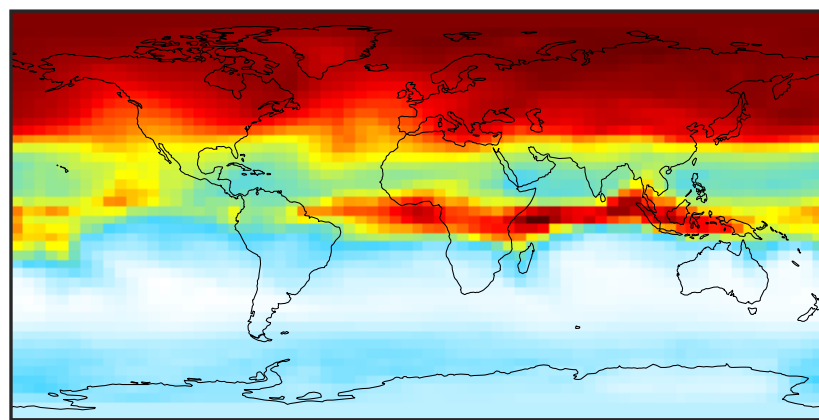


Ratio (1x1.25)  
Dev/Ref, Fixed Range



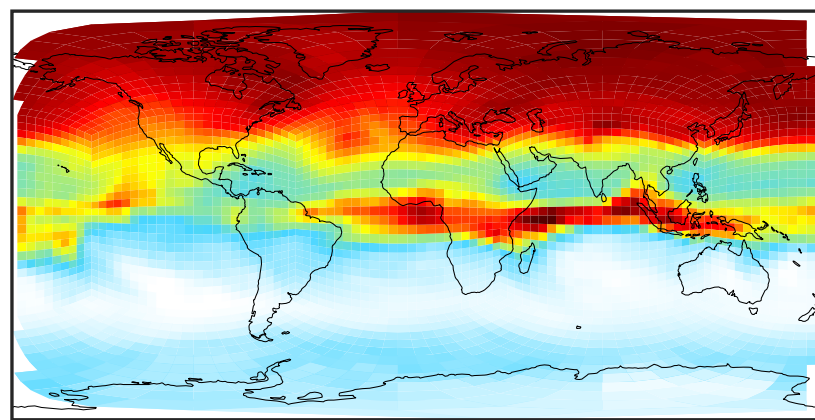
# SpeciesConcVV\_ETNO3 (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



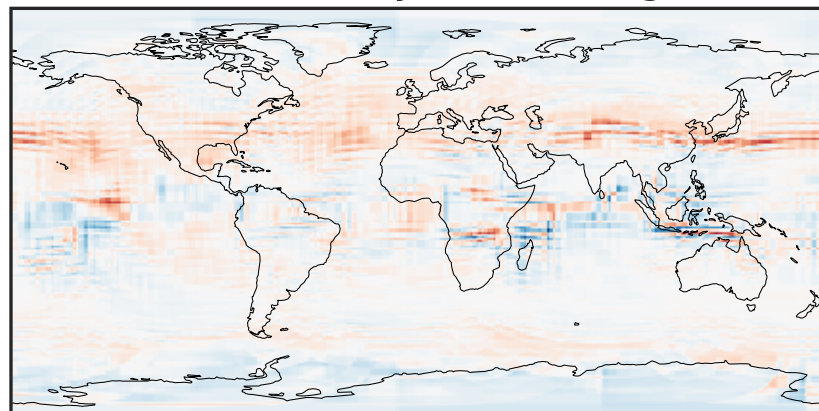
0.0008 0.0016 0.0024  
ppb

14.3.0-rc.0 (Dev)  
c24



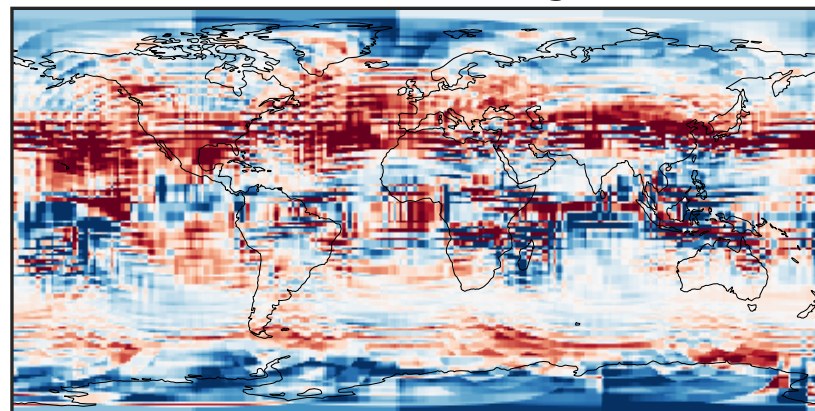
0.0008 0.0016 0.0024  
ppb

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



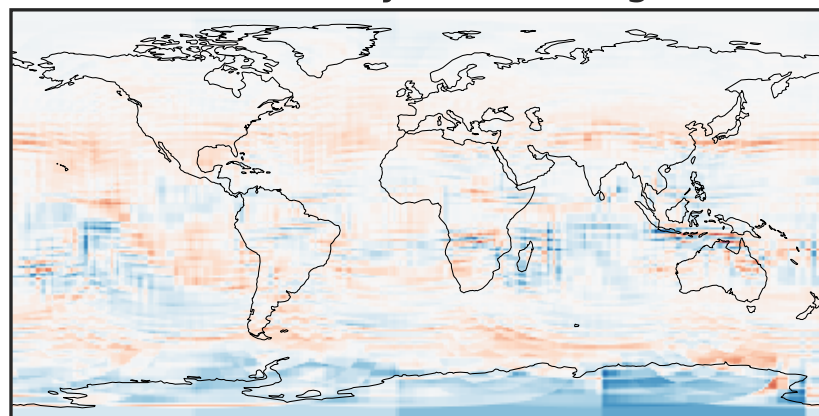
-0.0004 0.0000 0.0004  
ppb

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



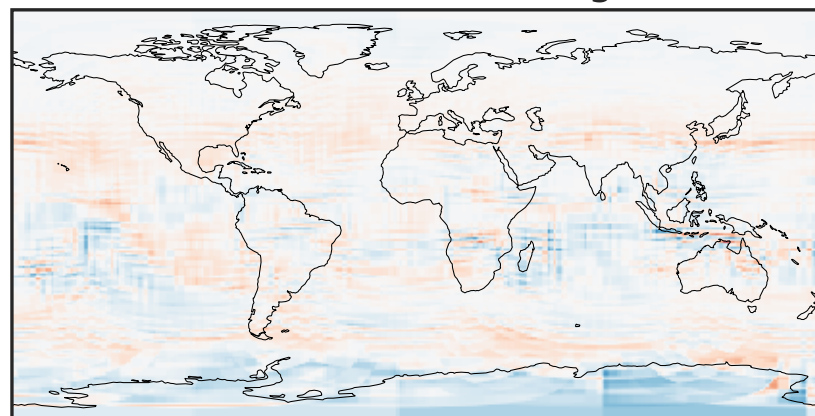
-6 0 6  
ppb 1e-5

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



0.602 0.801 1.000 1.330 1.660  
unitless

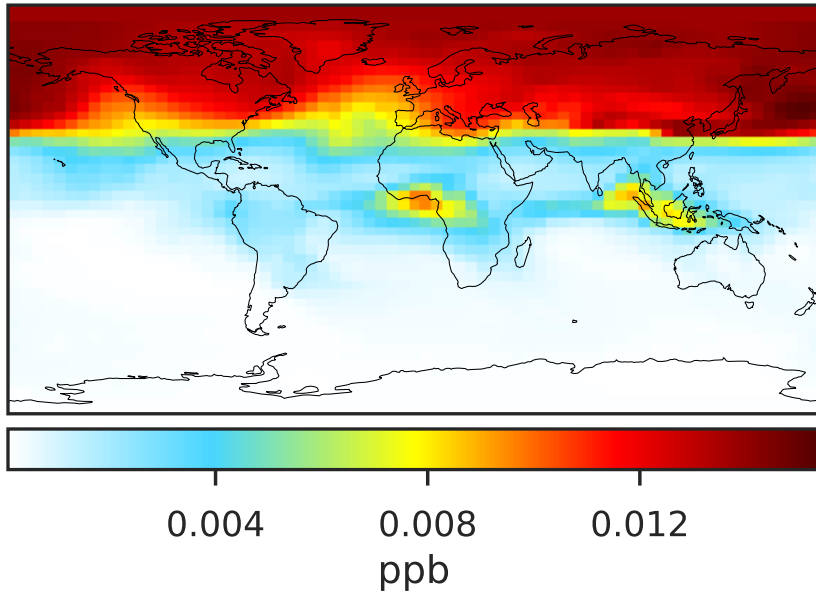
Ratio (1x1.25)  
Dev/Ref, Fixed Range



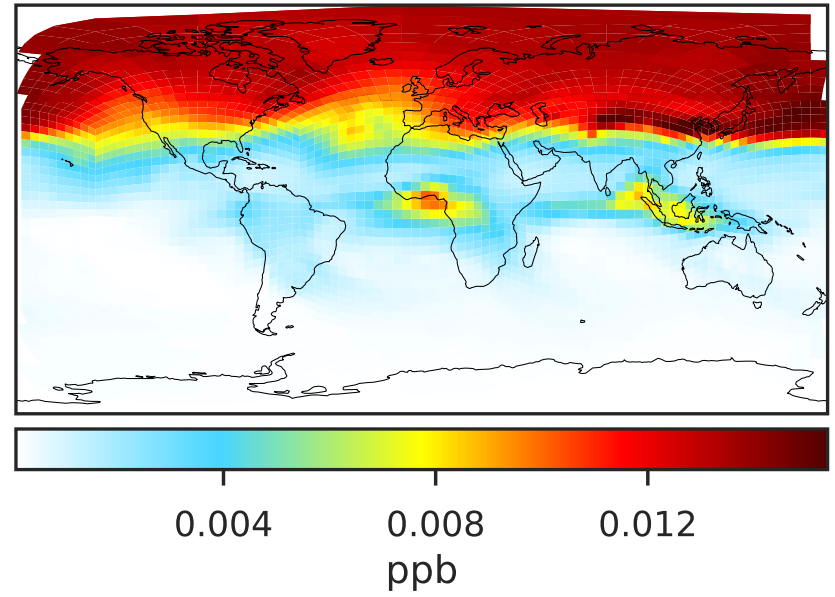
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_IPRNO3 (Jan2019)

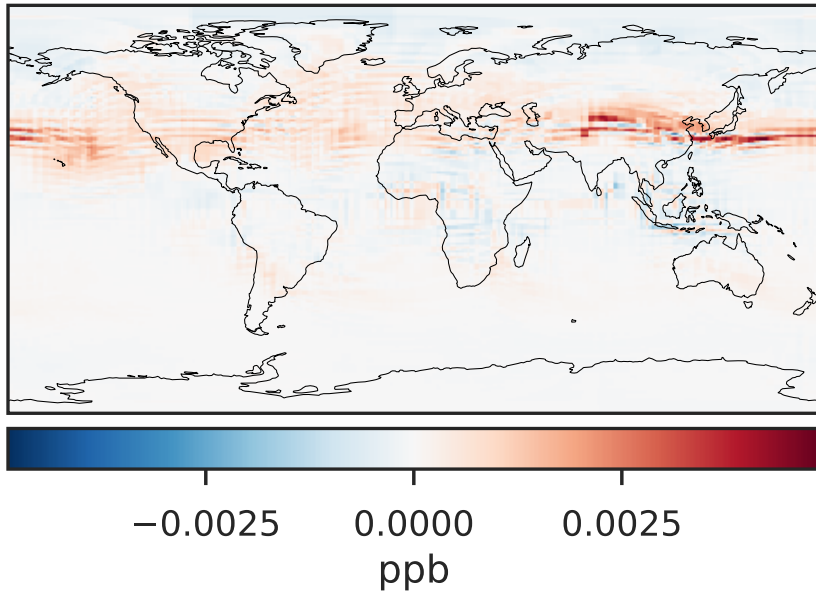
14.3.0-rc.0 (Ref)  
4.0x5.0



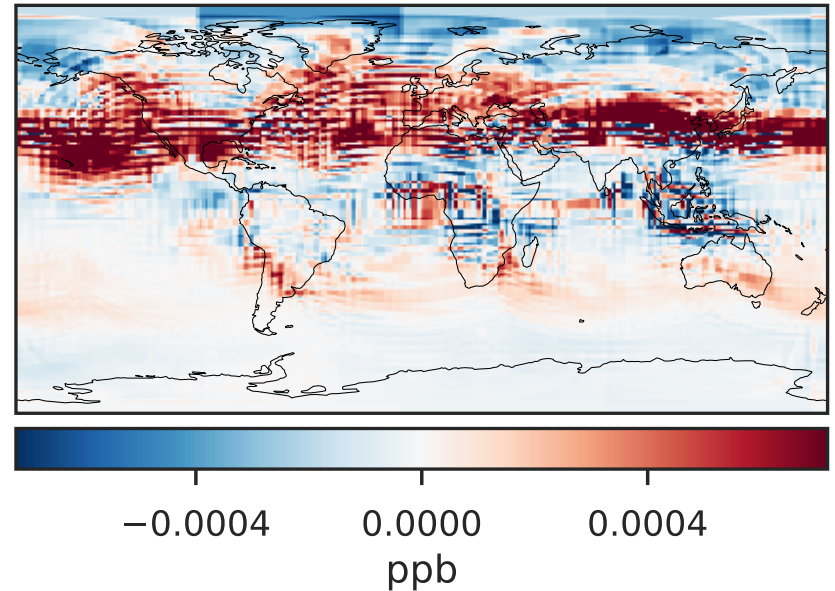
14.3.0-rc.0 (Dev)  
c24



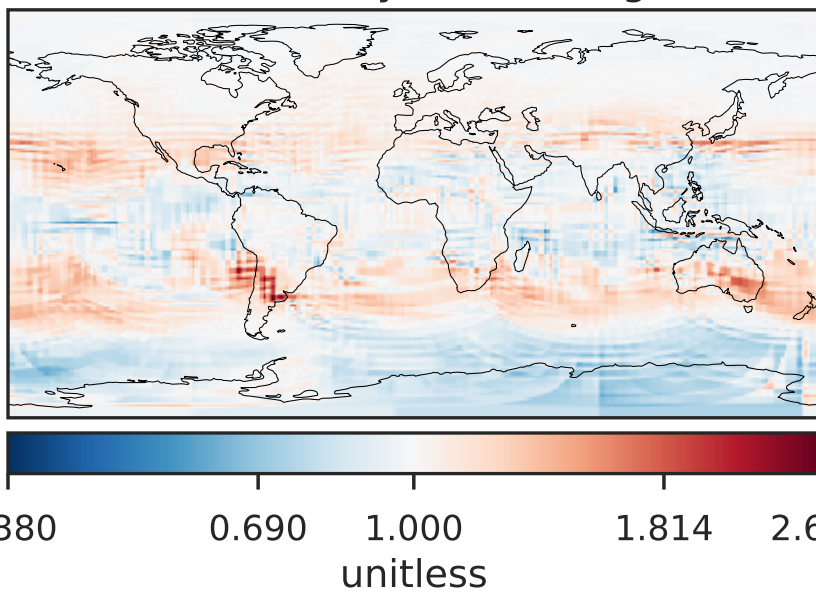
Difference (1x1.25)  
Dev - Ref, Dynamic Range



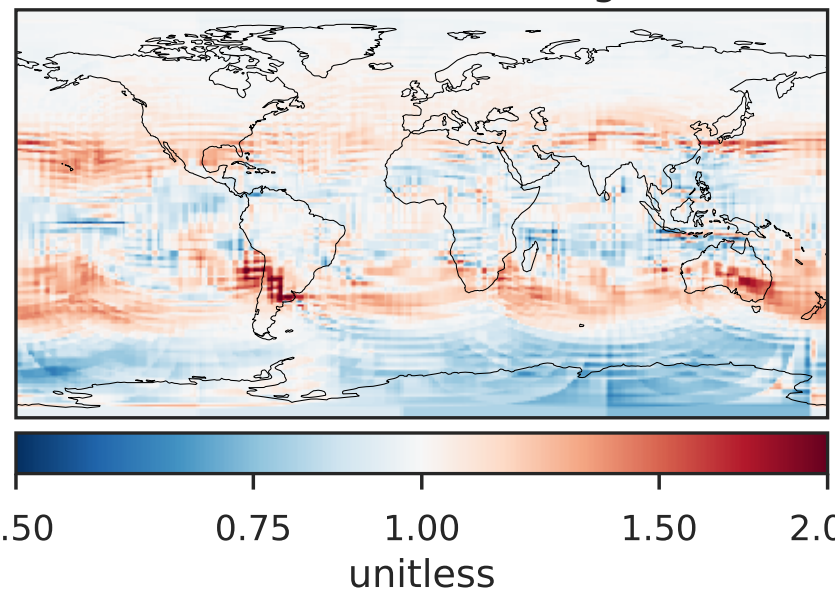
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

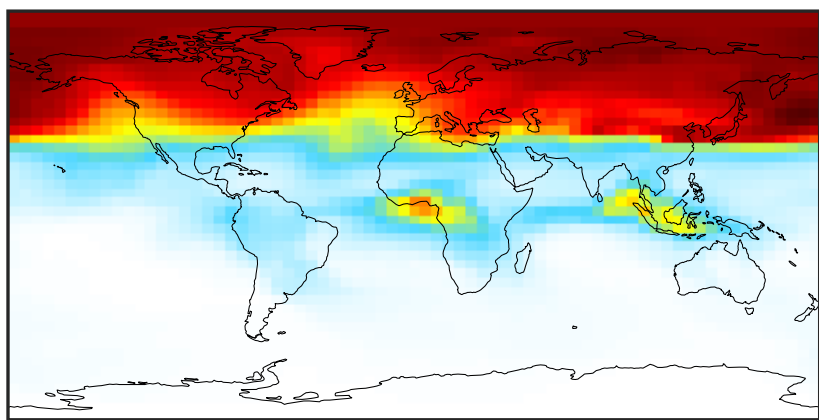


Ratio (1x1.25)  
Dev/Ref, Fixed Range



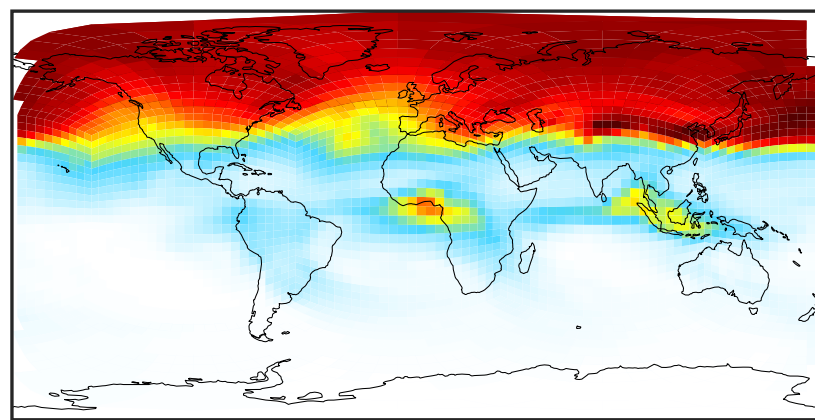
# SpeciesConcVV\_NPRNO3 (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



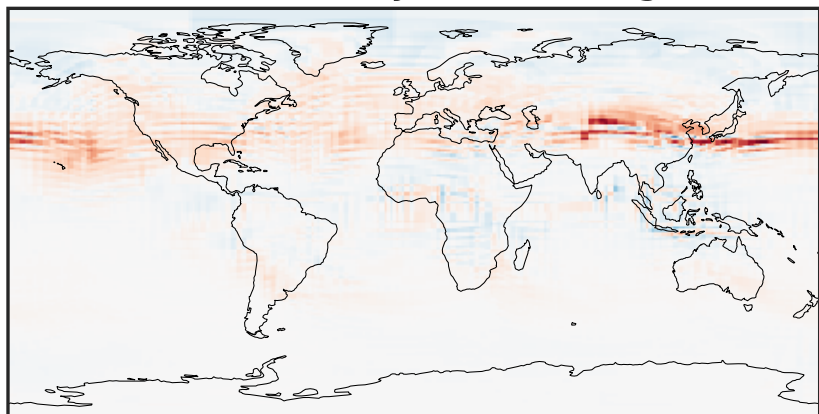
0.001 0.002 0.003  
ppb

14.3.0-rc.0 (Dev)  
c24



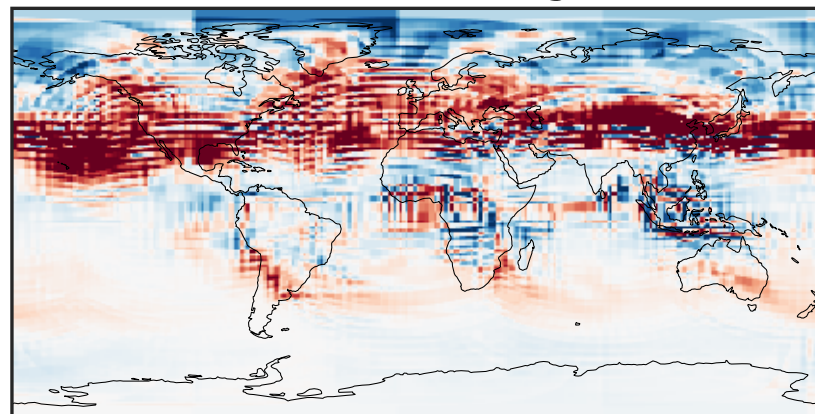
0.001 0.002 0.003  
ppb

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



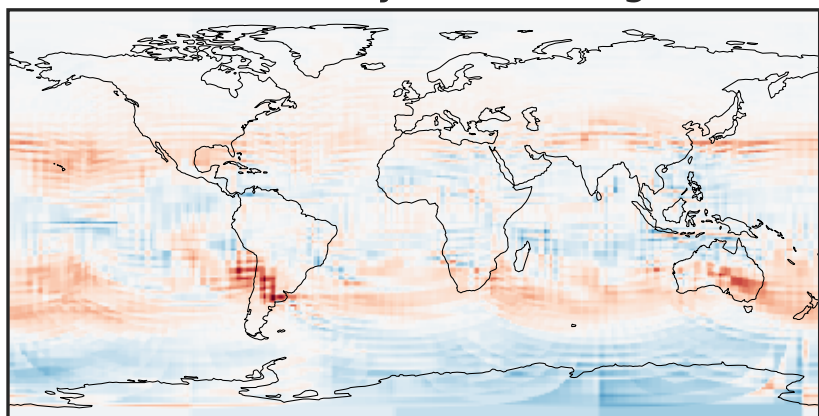
-0.0006 0.0000 0.0006  
ppb

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



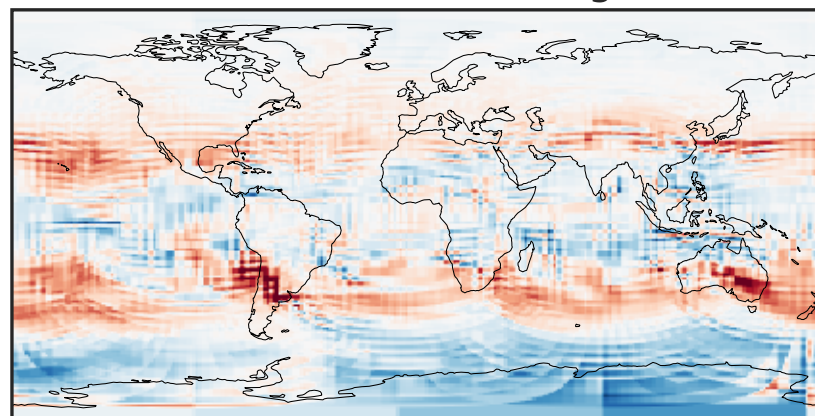
-0.0001 0.0000 0.0001  
ppb

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



0.315 0.657 1.000 2.088 3.176  
unitless

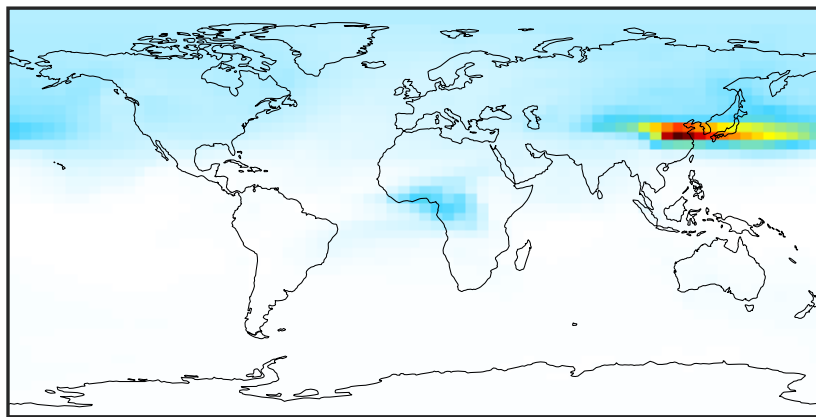
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

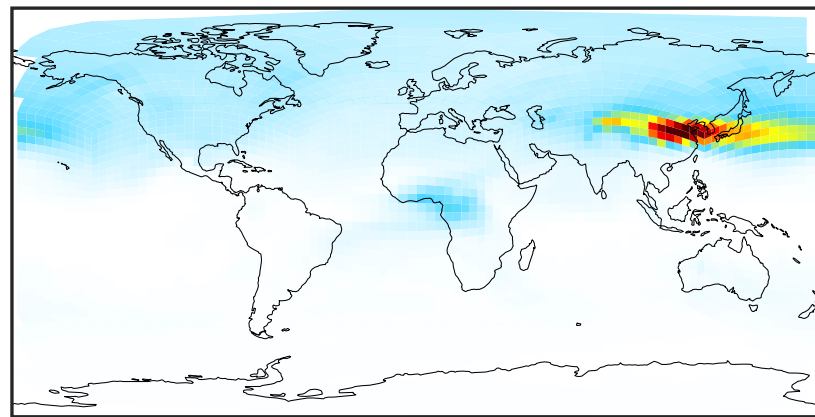
# SpeciesConcVV\_AONITA (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



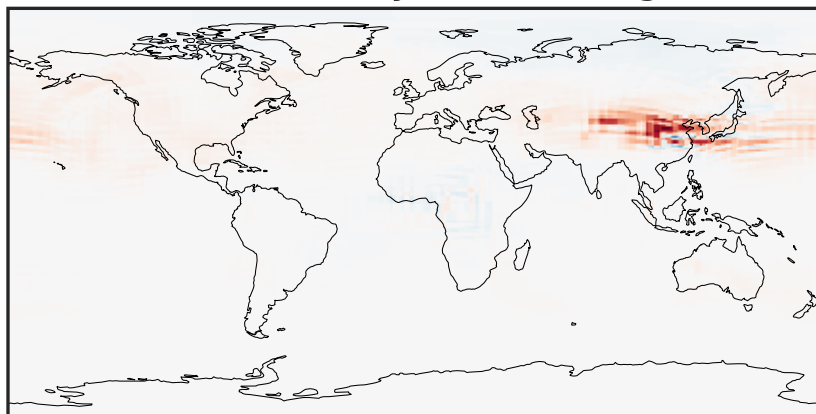
0.003 0.006 0.009  
ppb

14.3.0-rc.0 (Dev)  
c24



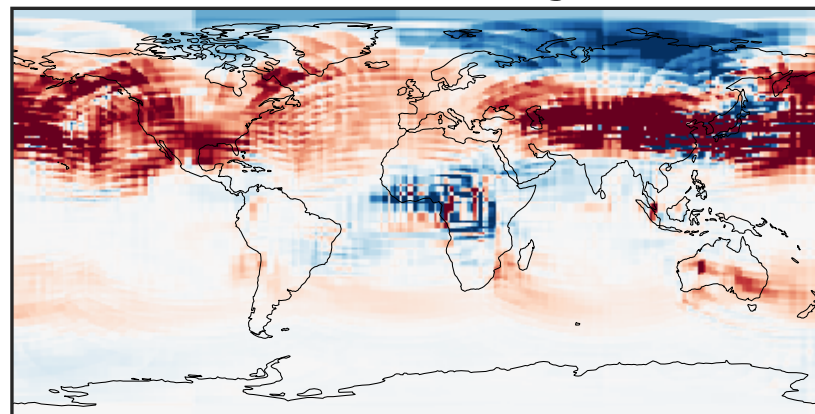
0.003 0.006 0.009  
ppb

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



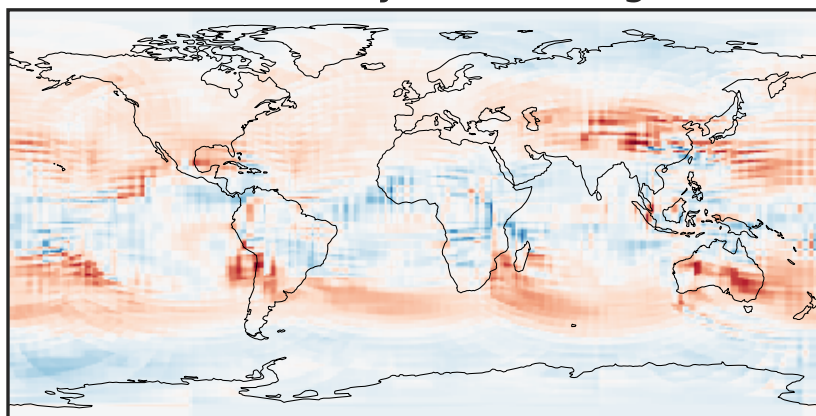
-0.0025 0.0000 0.0025  
ppb

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



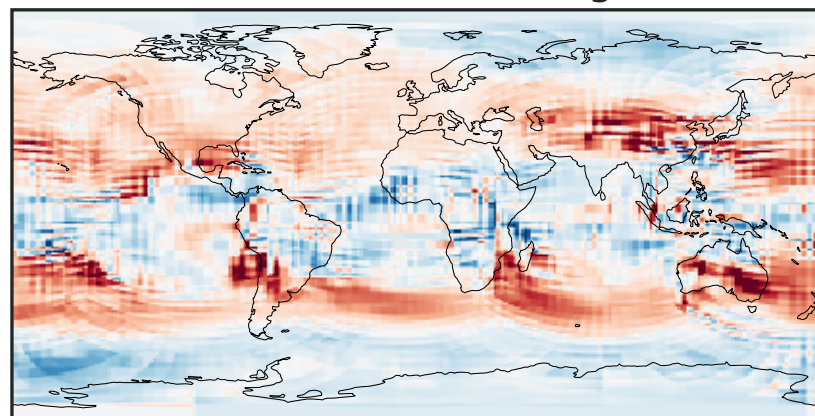
-0.00015 0.00000 0.00015  
ppb

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



0.305 0.652 1.000 2.139 3.279  
unitless

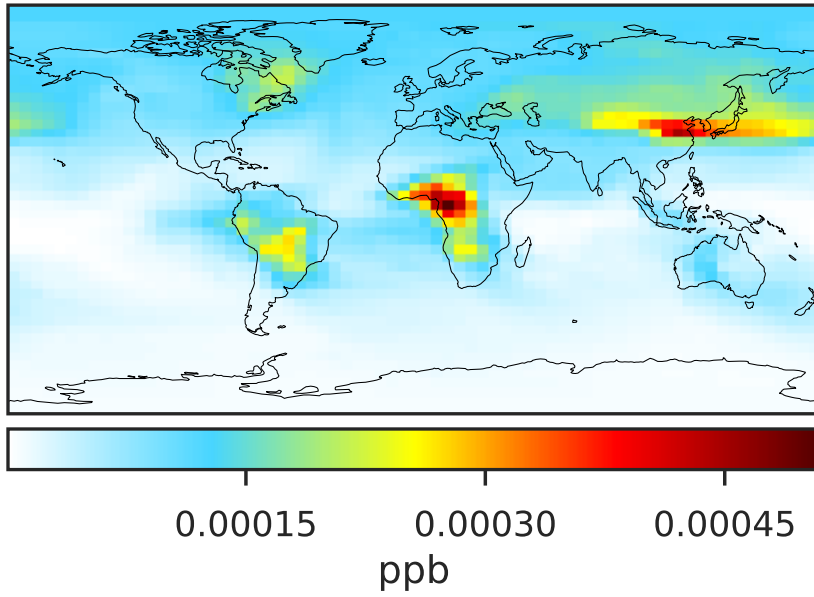
Ratio (1x1.25)  
Dev/Ref, Fixed Range



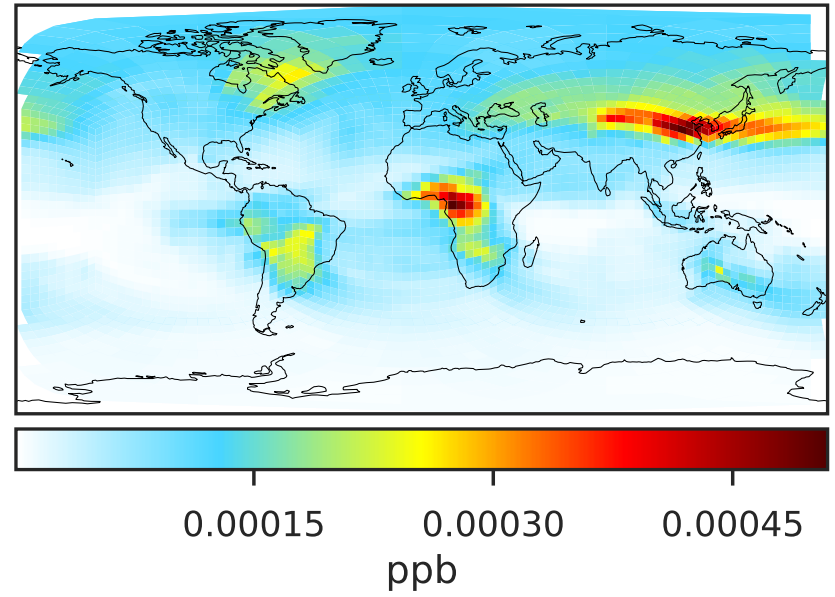
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_ETHN (Jan2019)

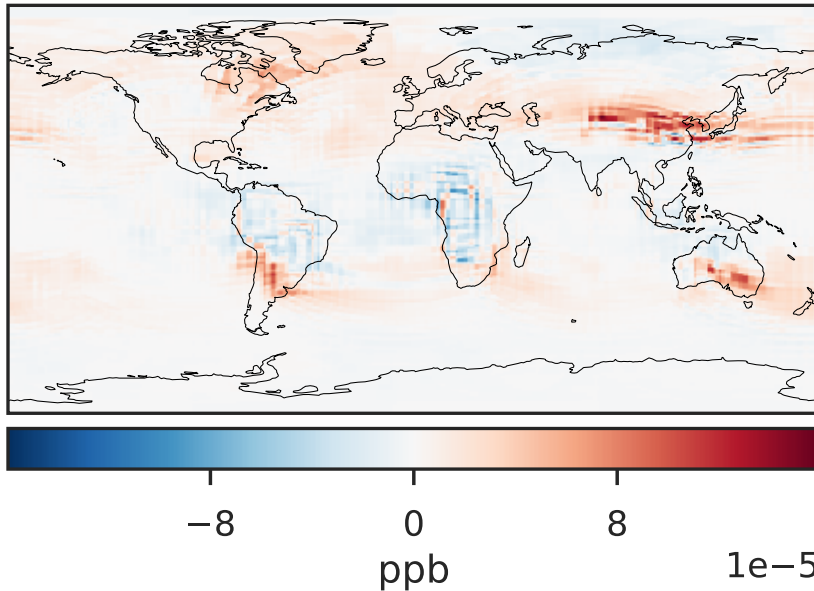
14.3.0-rc.0 (Ref)  
4.0x5.0



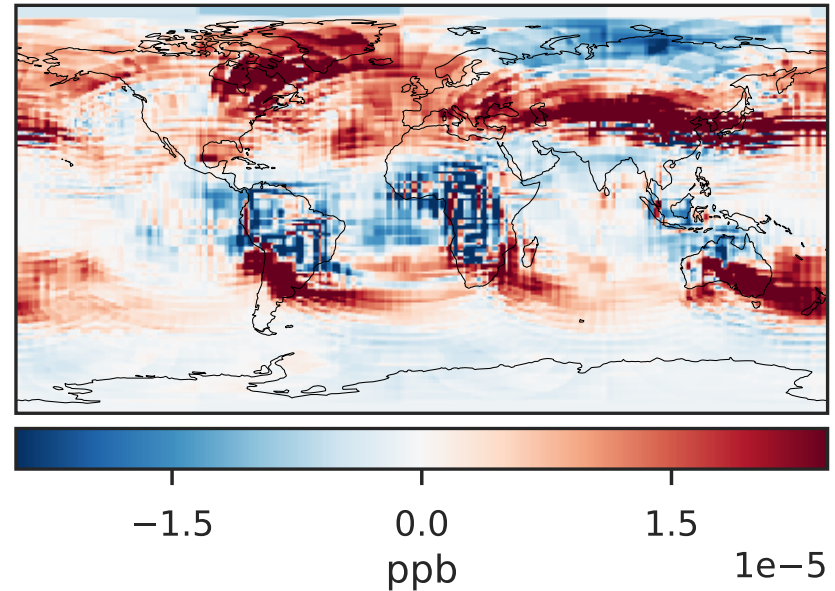
14.3.0-rc.0 (Dev)  
c24



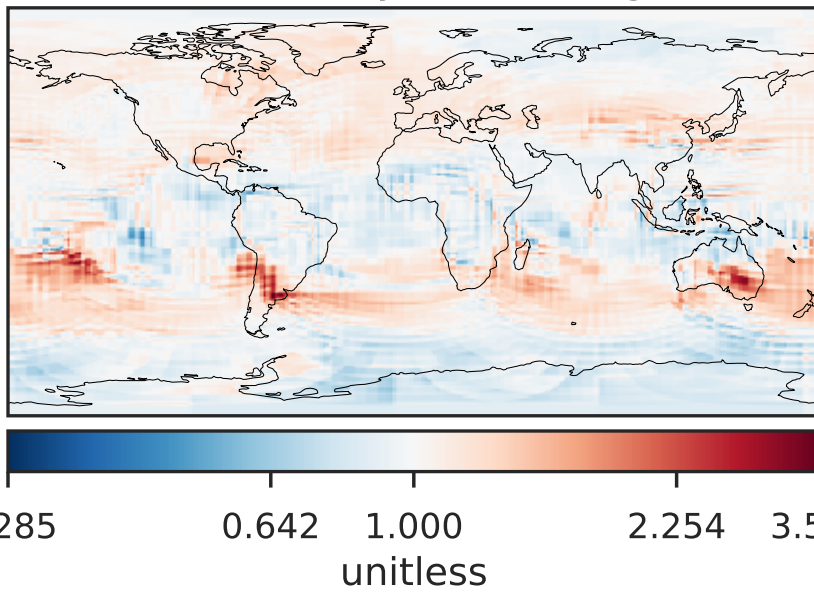
Difference (1x1.25)  
Dev - Ref, Dynamic Range



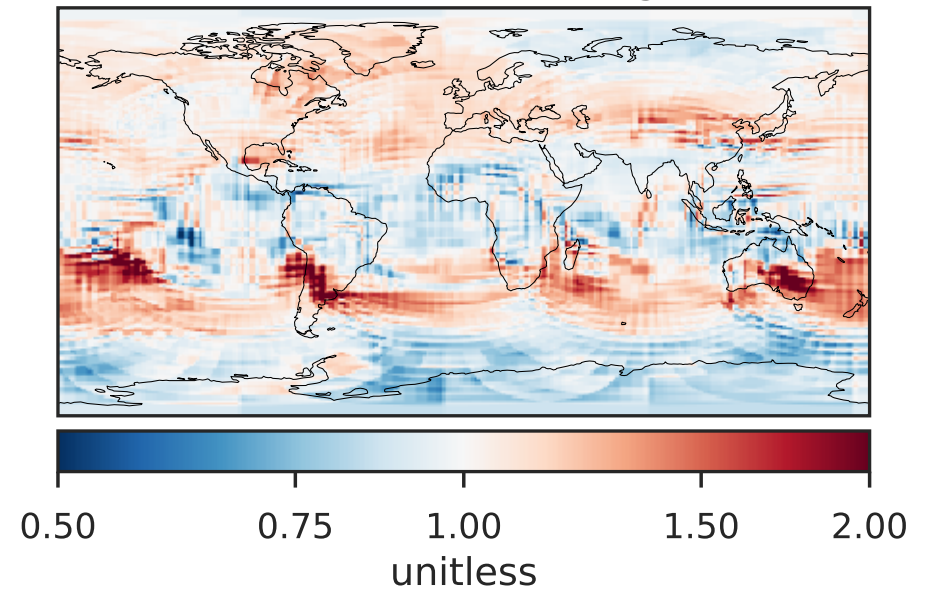
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



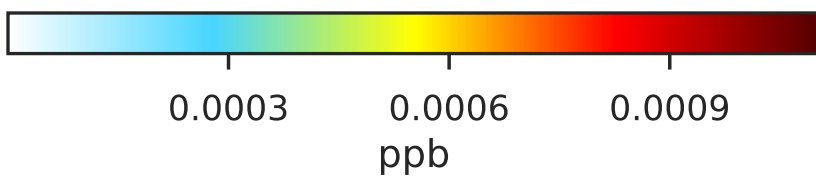
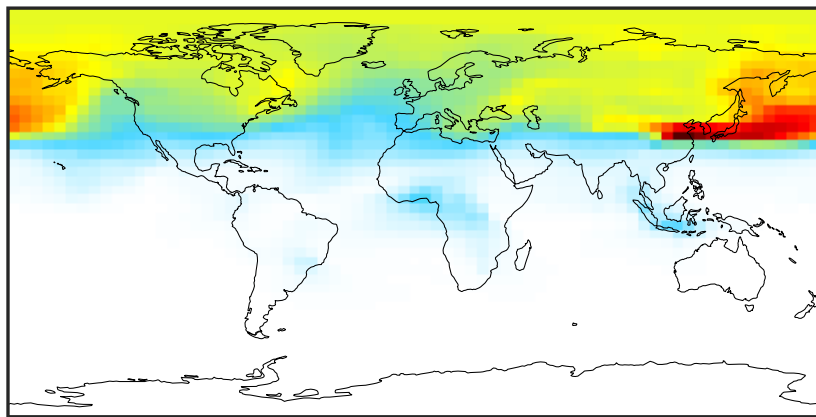
Ratio (1x1.25)  
Dev/Ref, Fixed Range



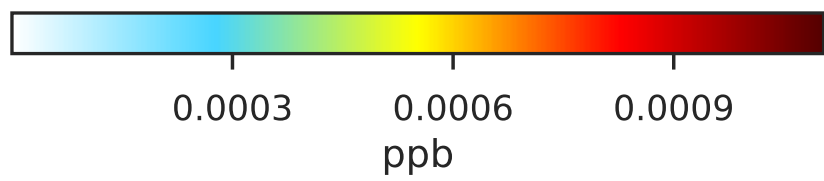
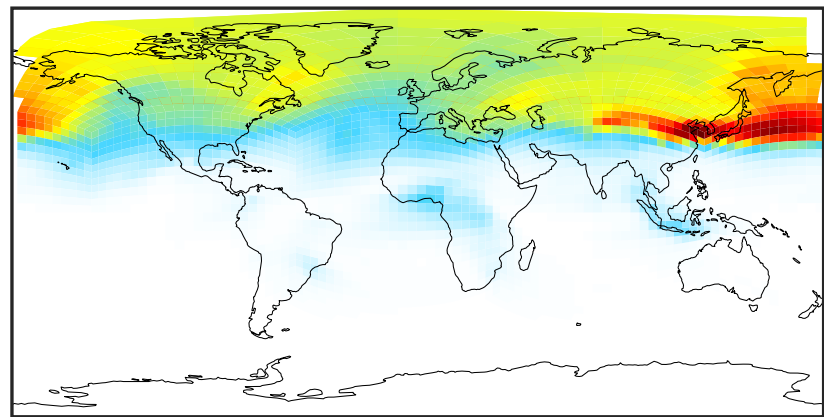


# SpeciesConcVW\_BZPAN (Jan2019)

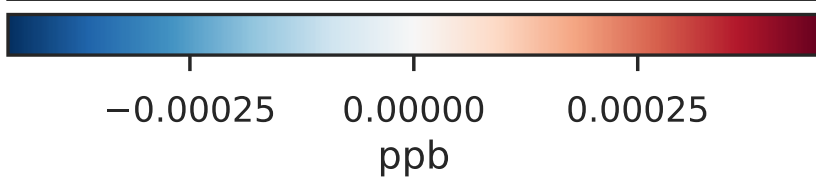
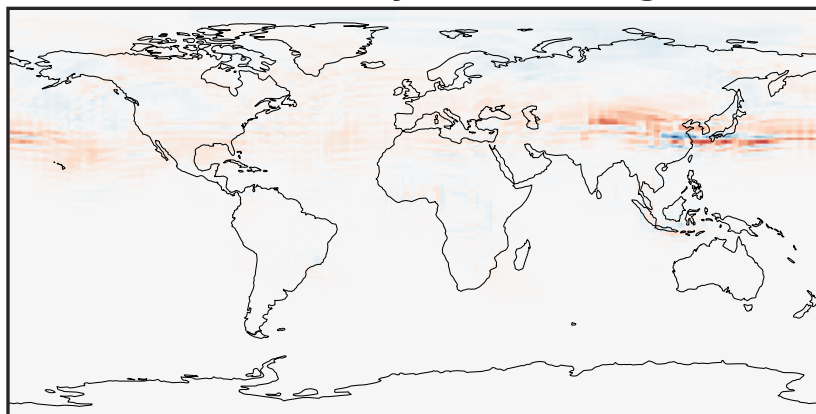
14.3.0-rc.0 (Ref)  
4.0x5.0



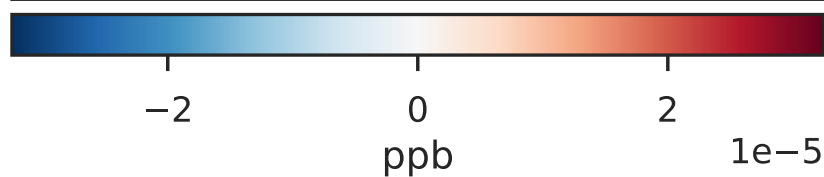
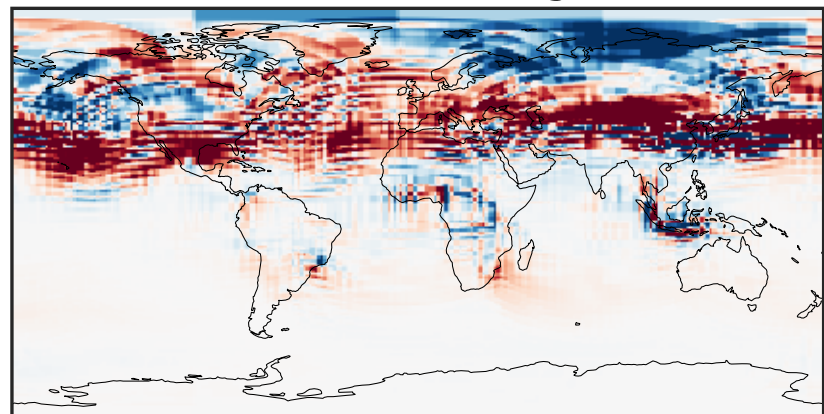
14.3.0-rc.0 (Dev)  
c24



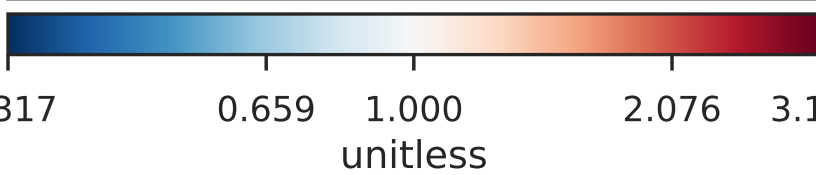
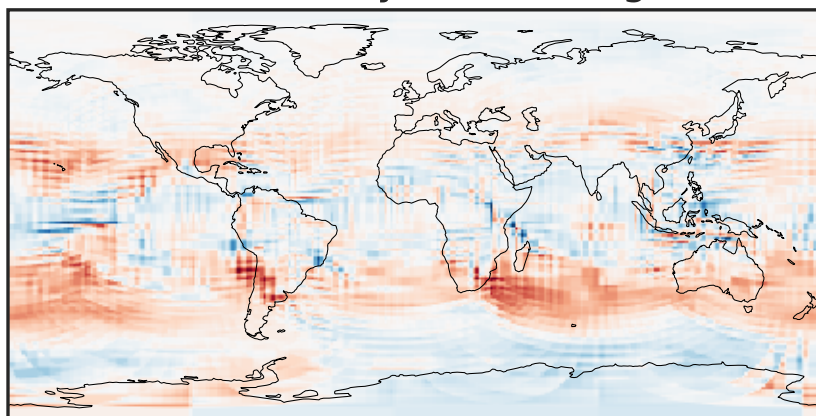
Difference (1x1.25)  
Dev - Ref, Dynamic Range



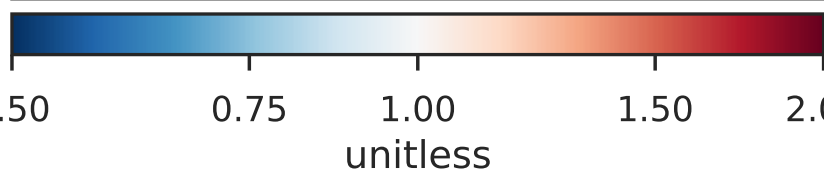
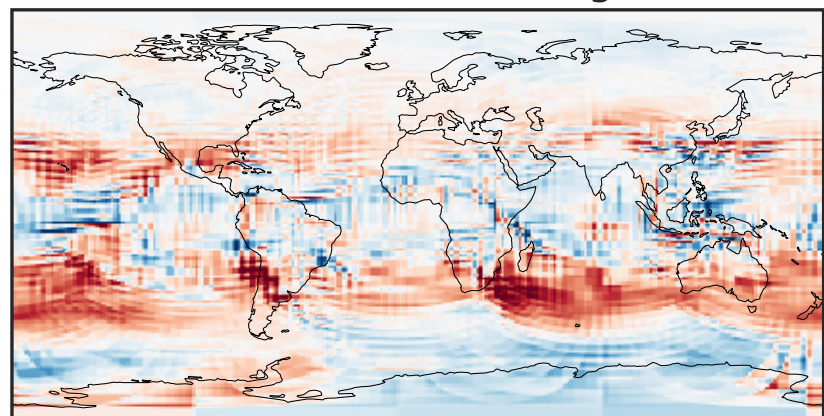
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

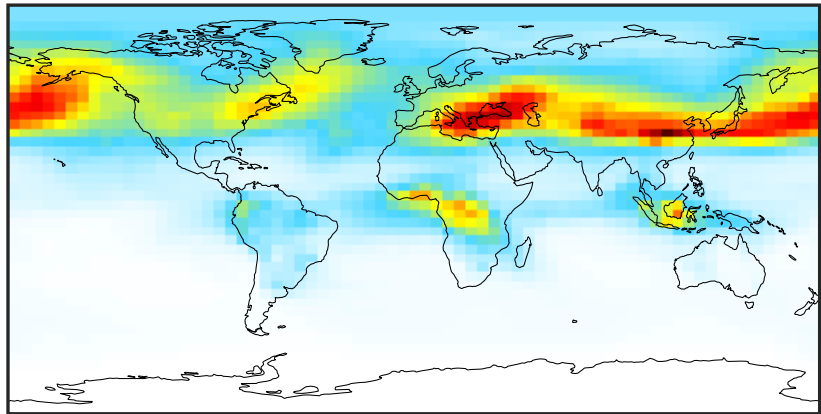


Ratio (1x1.25)  
Dev/Ref, Fixed Range



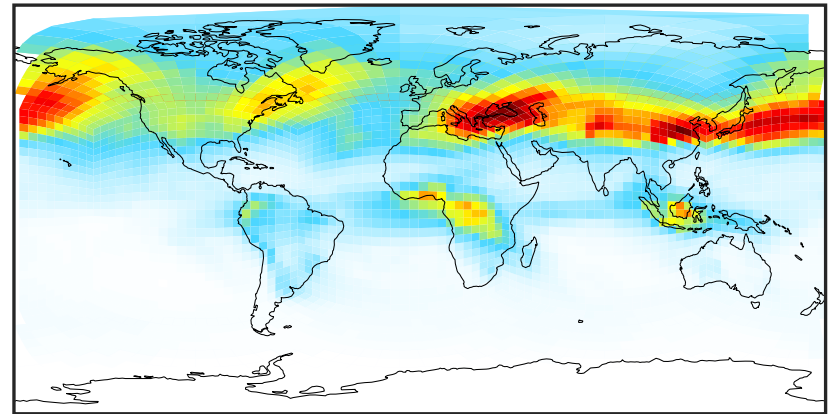
# SpeciesConcVV\_NPHEN (Jan2019)

14.3.0-rc.0 (Ref)  
4.0x5.0



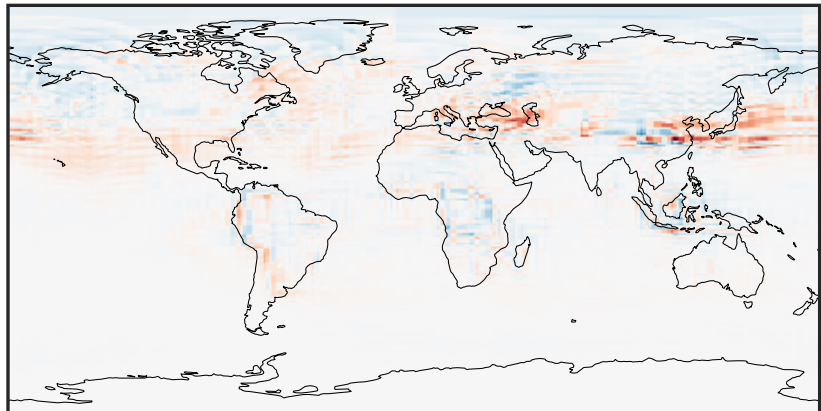
0.00008 0.00016 0.00024  
ppb

14.3.0-rc.0 (Dev)  
c24



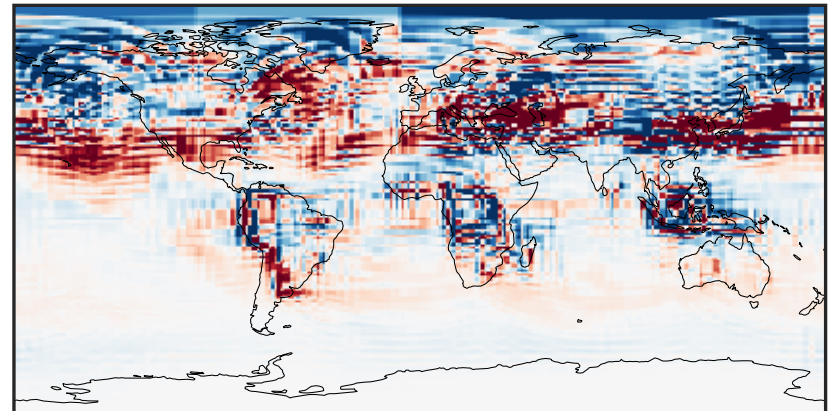
0.00008 0.00016 0.00024  
ppb

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



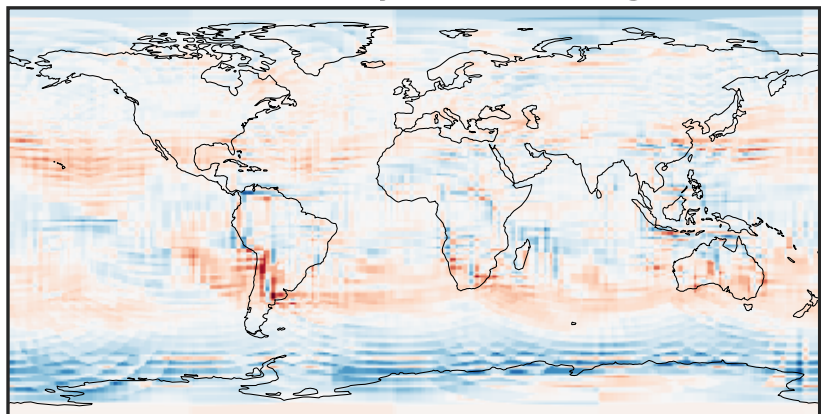
-5 0 5  
ppb  $1e-5$

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



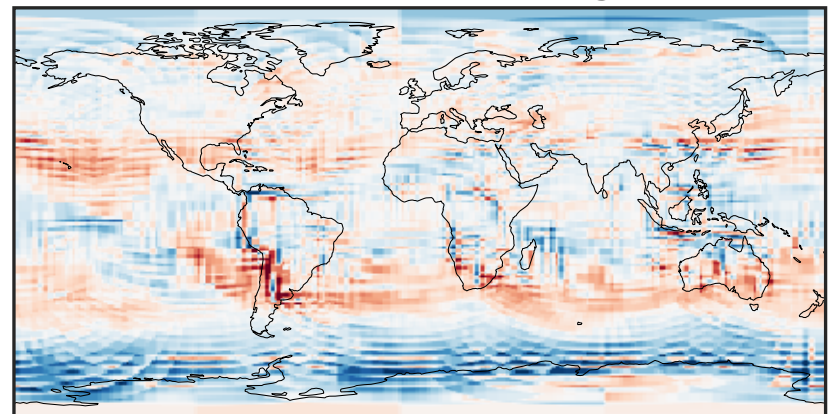
-6 0 6  
ppb  $1e-6$

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



0.350 0.675 1.000 1.930 2.859  
unitless

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



0.50 0.75 1.00 1.50 2.00  
unitless