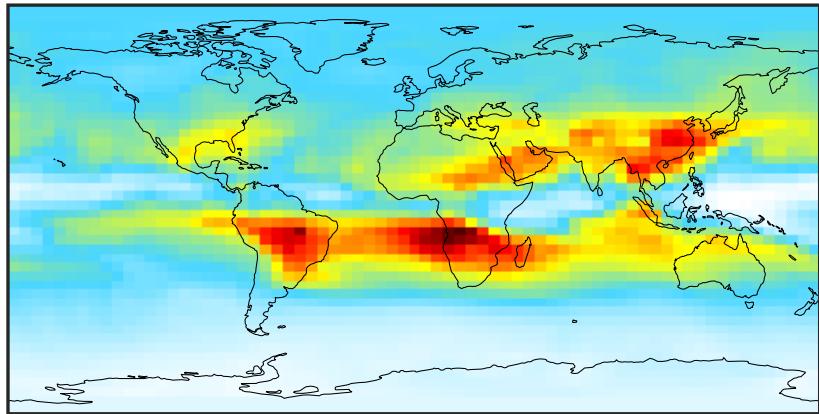


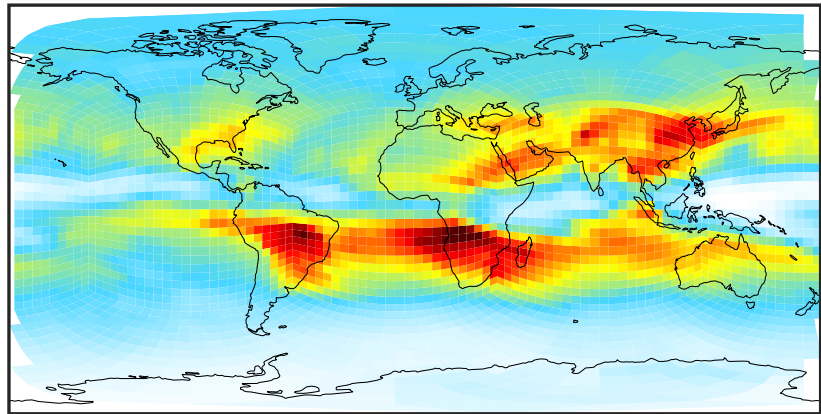
# SpeciesConcVV\_NOy (Oct2019)

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



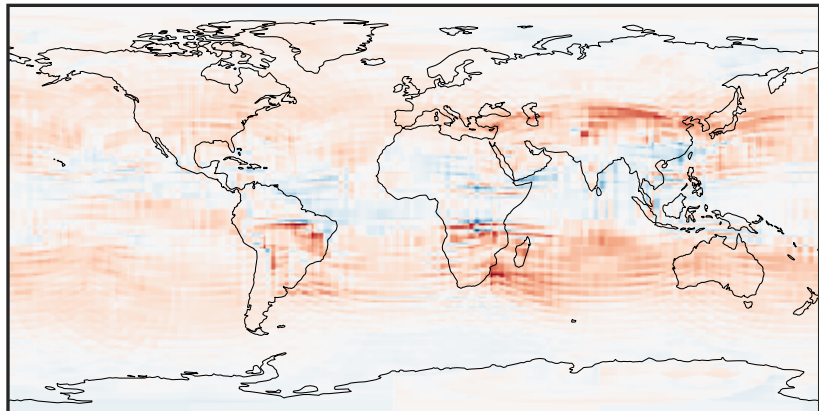
0.0405 0.2556 0.4707 0.6859 0.9010  
ppb

14.3.0-rc.0 (Dev)  
c24



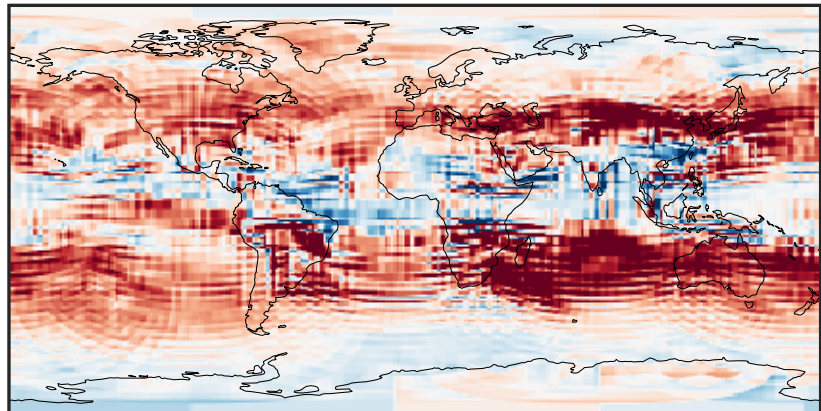
0.0405 0.2556 0.4707 0.6859 0.9010  
ppb

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



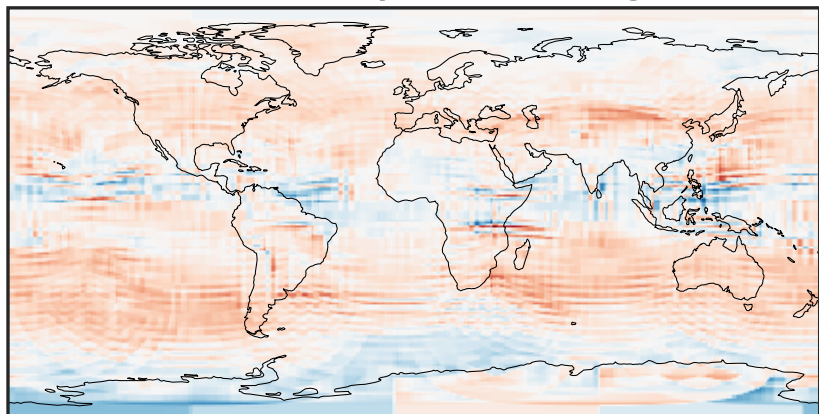
-0.2349 -0.1174 0.0000 0.1174 0.2349  
ppb

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



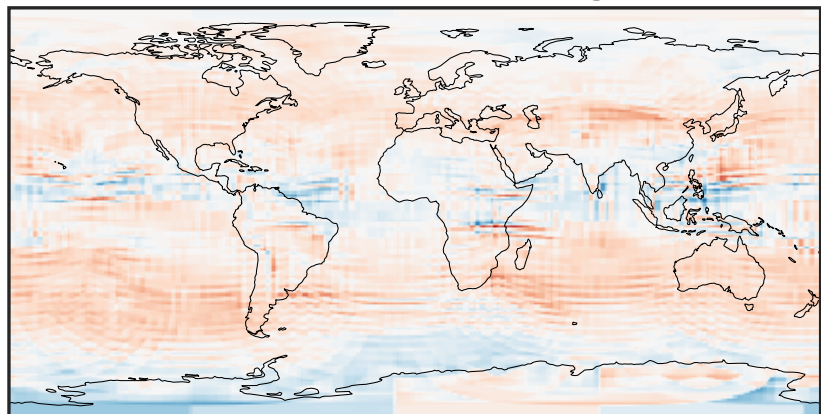
-0.0606 -0.0303 0.0000 0.0303 0.0606  
ppb

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



0.549 0.775 1.000 1.410 1.820  
unitless

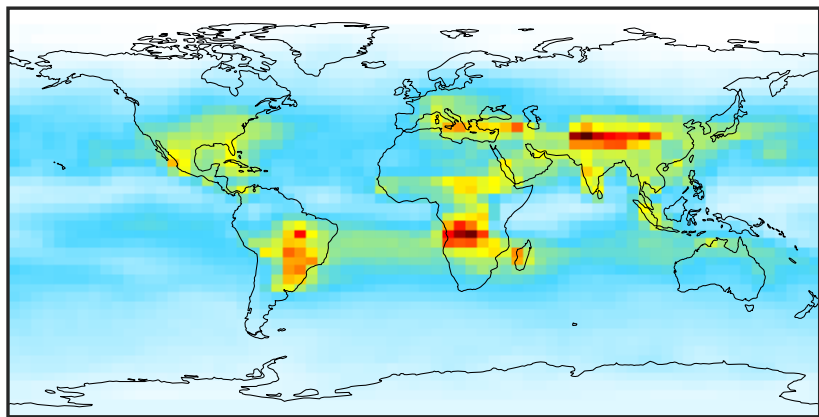
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

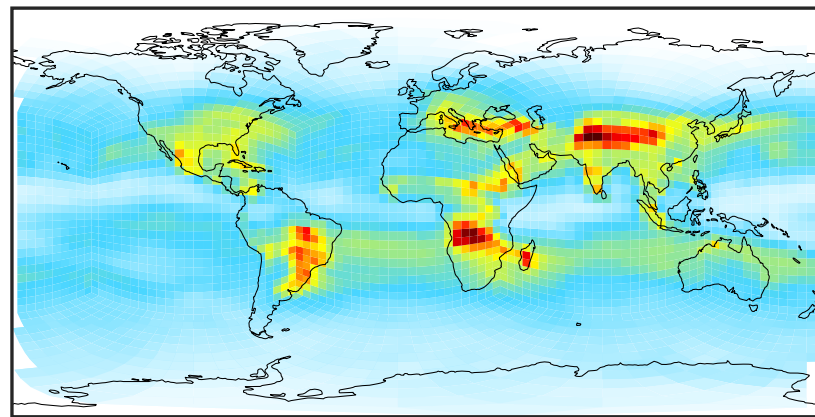
# SpeciesConcVV\_NOx (Oct2019)

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



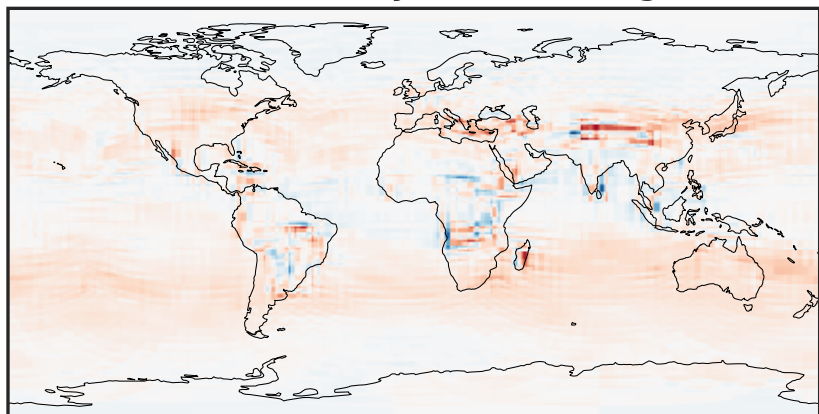
0.0021 0.0435 0.0850 0.1265 0.1679  
ppb

14.3.0-rc.0 (Dev)  
c24



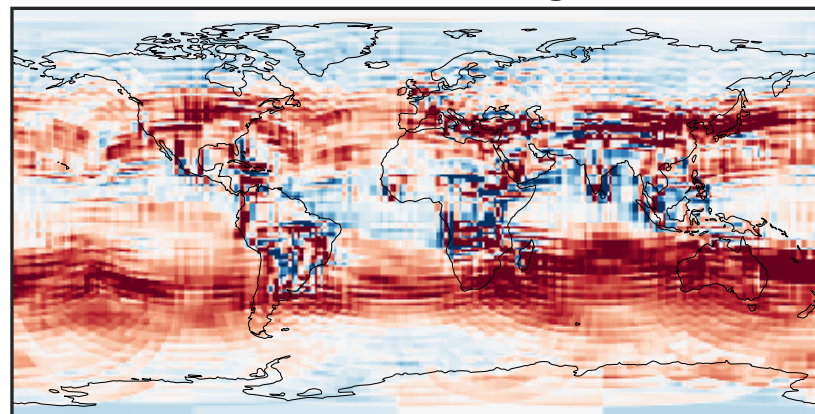
0.0021 0.0435 0.0850 0.1265 0.1679  
ppb

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



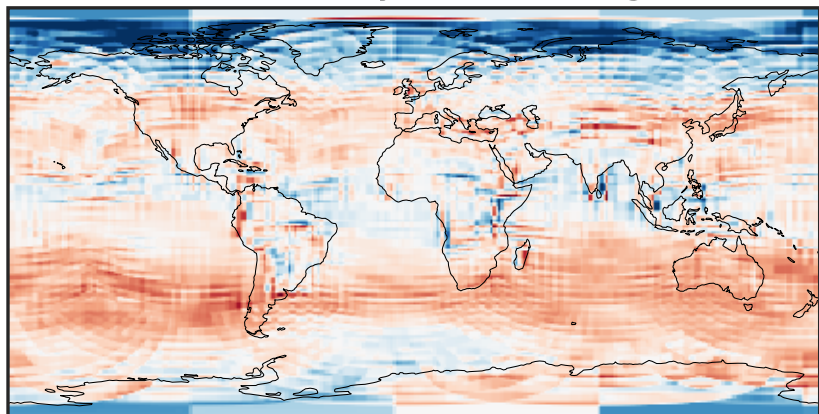
-0.0565 -0.0283 0.0000 0.0283 0.0565  
ppb

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



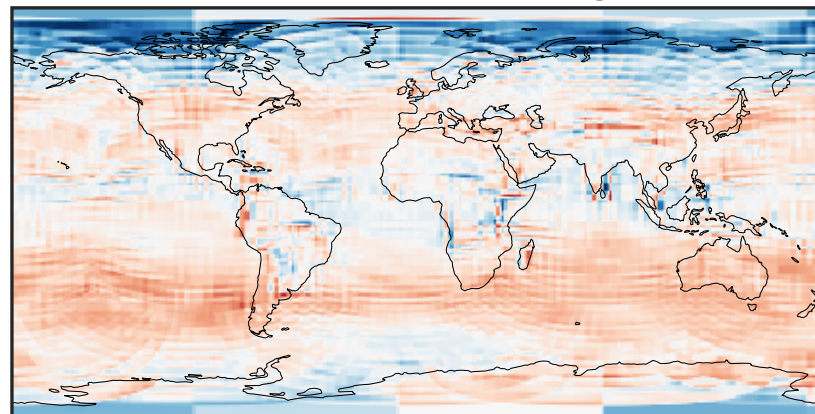
-0.005 0.000 0.005  
ppb

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



0.581 0.791 1.000 1.360 1.721  
unitless

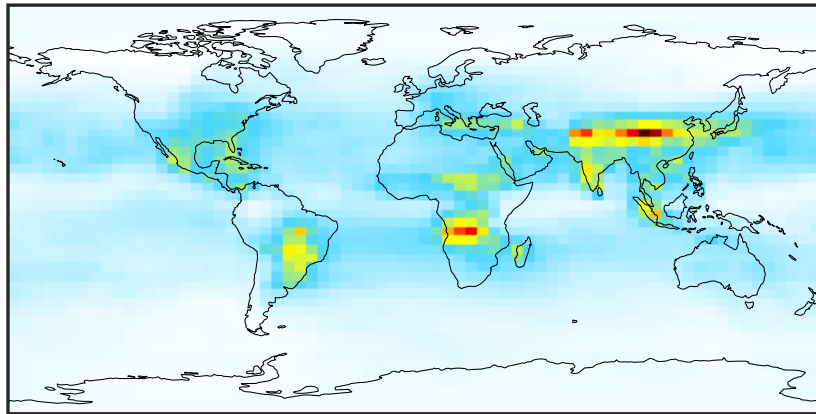
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

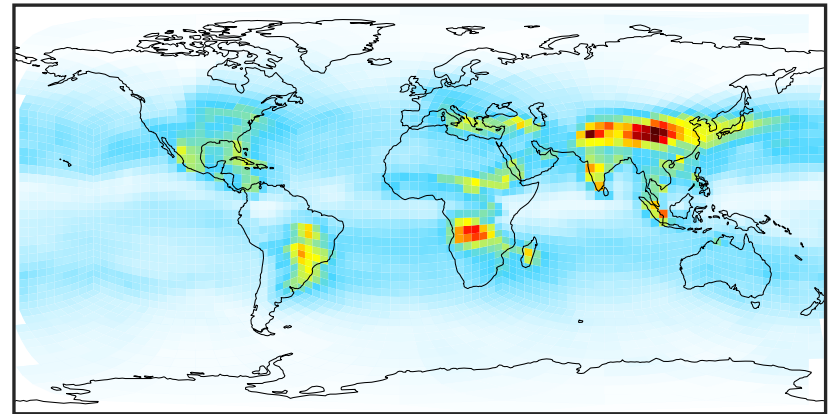
# SpeciesConcVV\_HNO2 (Oct2019)

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



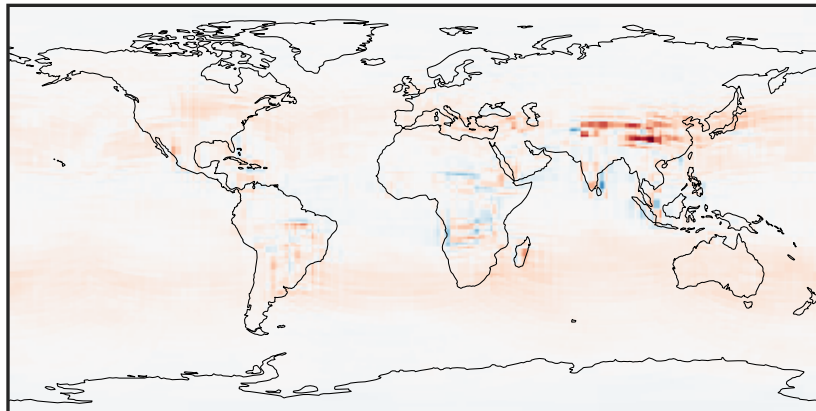
0.0003 0.0006 0.0009  
ppb

14.3.0-rc.0 (Dev)  
c24



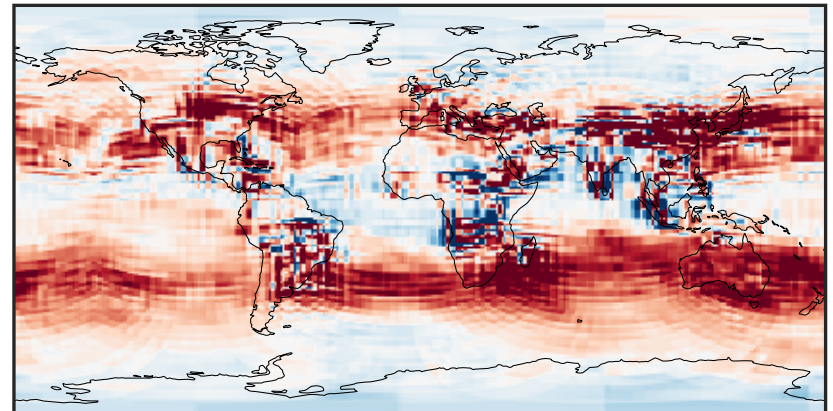
0.0003 0.0006 0.0009  
ppb

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



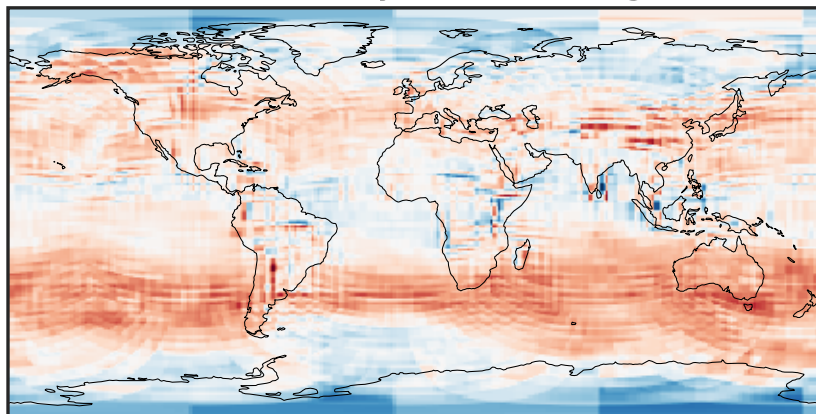
-0.0003 0.0000 0.0003  
ppb

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



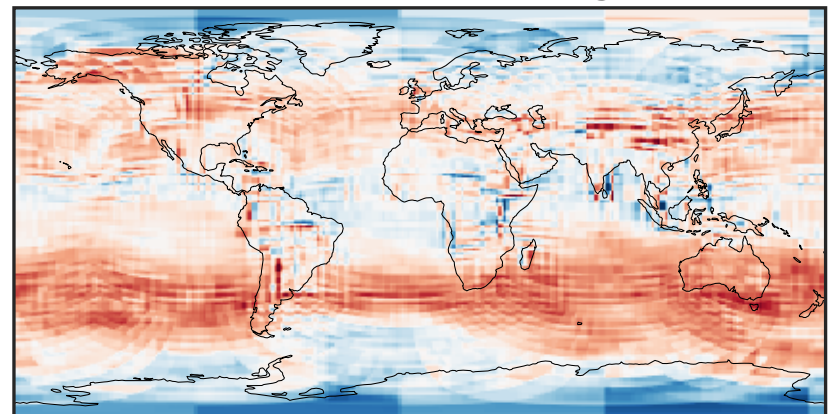
-3 0 3  
ppb  $1e-5$

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



0.441 0.720 1.000 1.634 2.268  
unitless

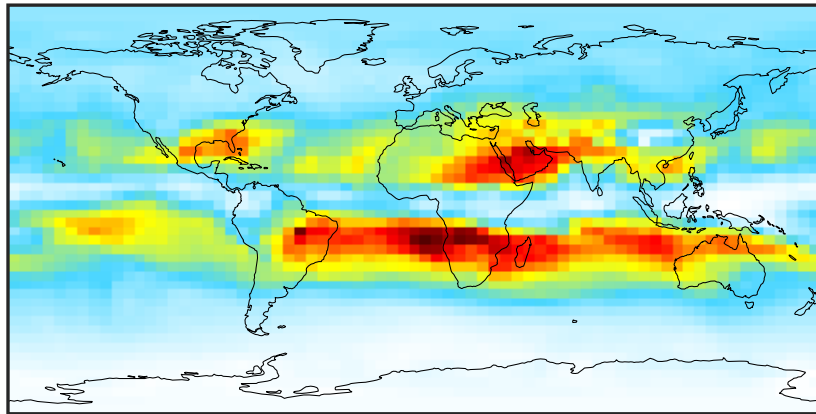
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

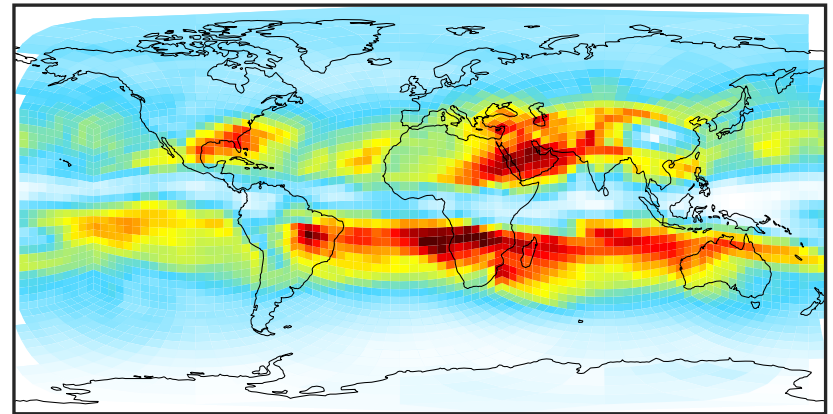
# SpeciesConcVV\_HNO3 (Oct2019)

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



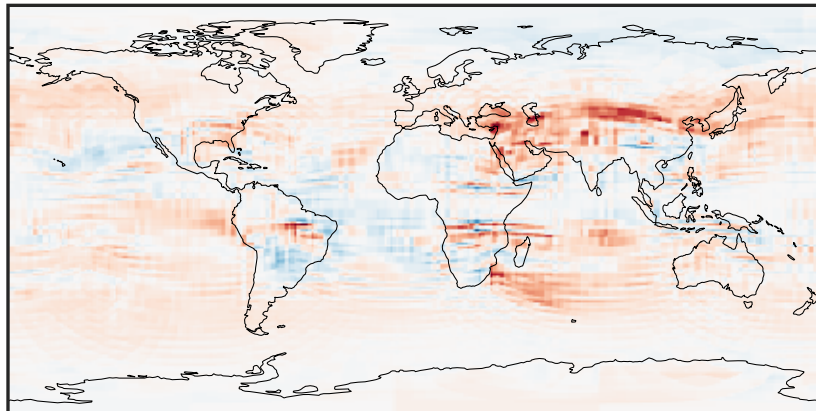
0.0066 0.0928 0.1791 0.2653 0.3516  
ppb

14.3.0-rc.0 (Dev)  
c24



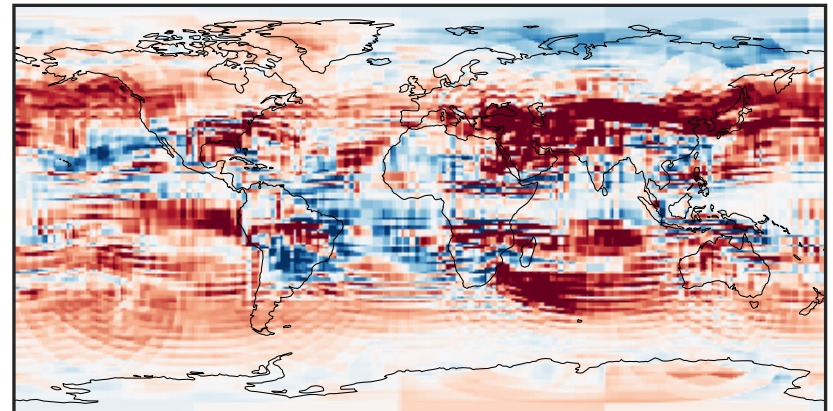
0.0066 0.0928 0.1791 0.2653 0.3516  
ppb

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



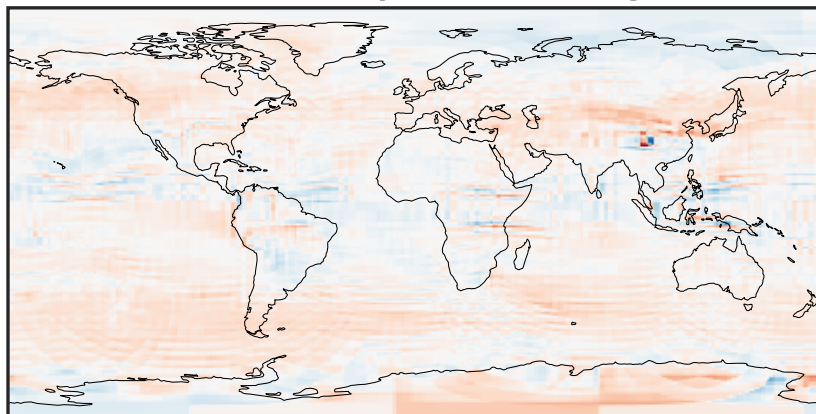
-0.1153 -0.0576 0.0000 0.0576 0.1153  
ppb

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



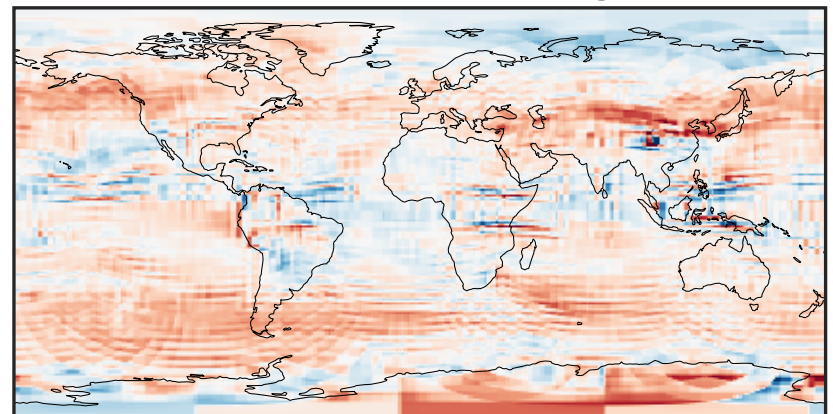
-0.015 0.000 0.015  
ppb

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



0.208 0.604 1.000 2.908 4.815  
unitless

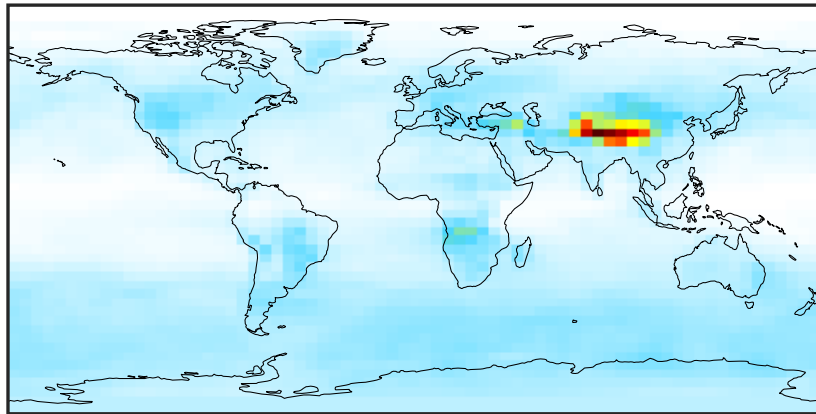
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

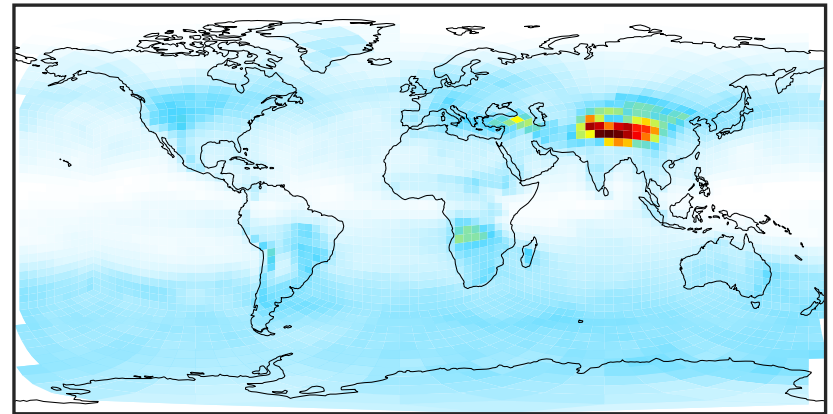
# SpeciesConcVV\_HNO4 (Oct2019)

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



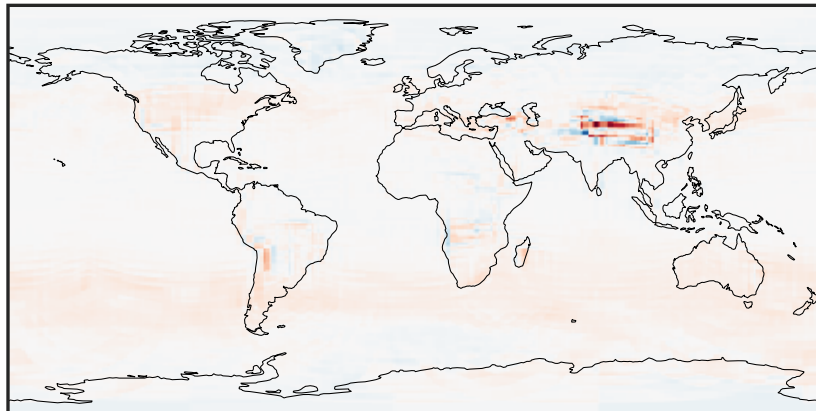
0.015 0.030 0.045  
ppb

14.3.0-rc.0 (Dev)  
c24



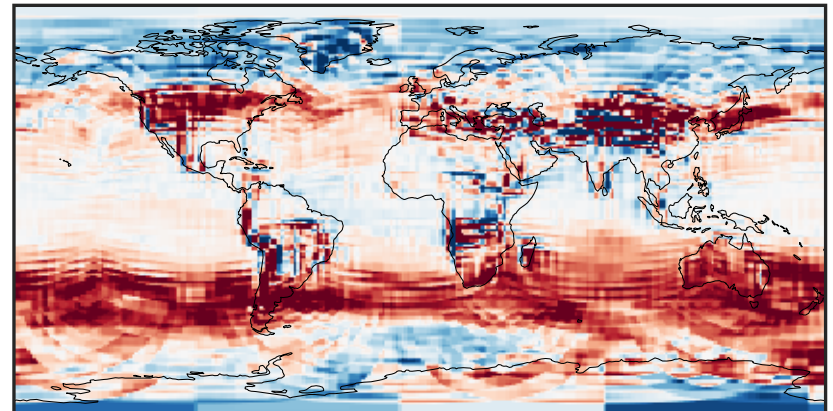
0.015 0.030 0.045  
ppb

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



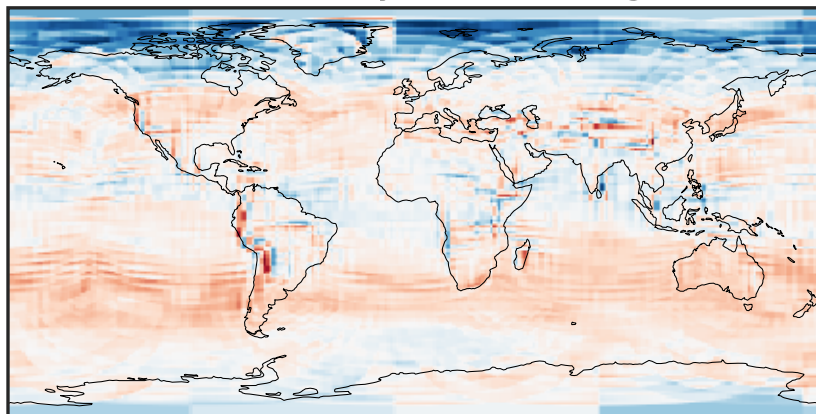
-0.015 0.000 0.015  
ppb

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



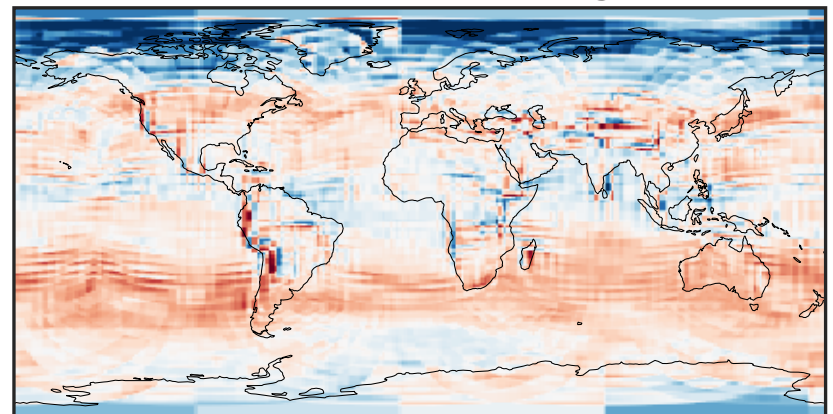
-0.0008 0.0000 0.0008  
ppb

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



0.381 0.690 1.000 1.814 2.628  
unitless

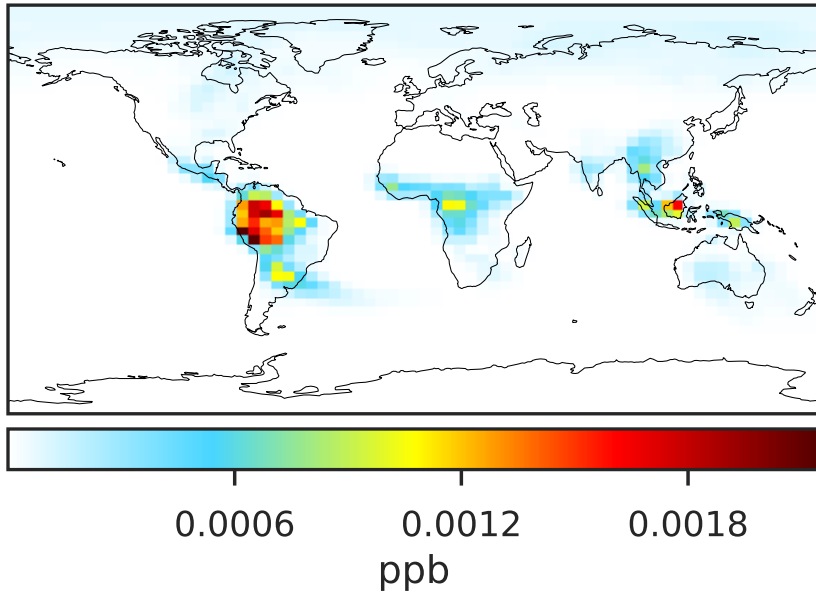
Ratio (1x1.25)  
Dev/Ref, Fixed Range



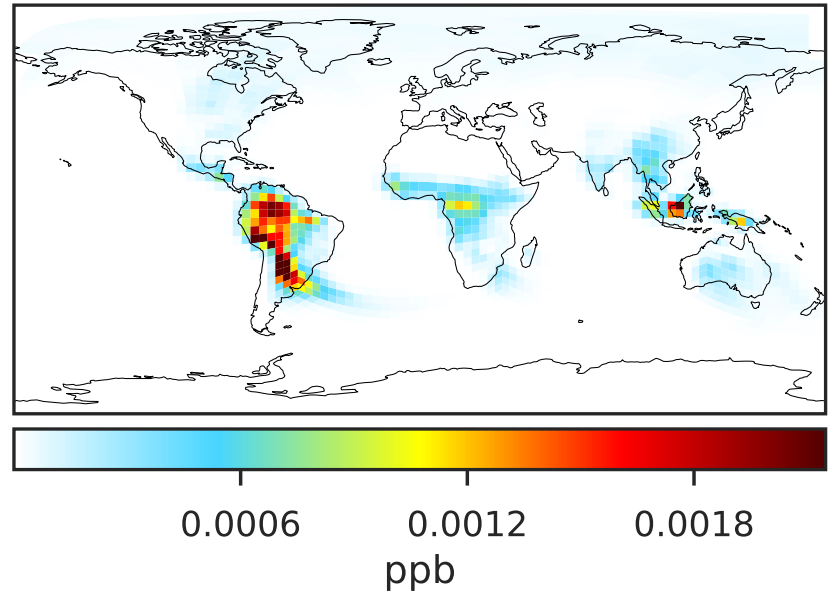
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_MPAN (Oct2019)

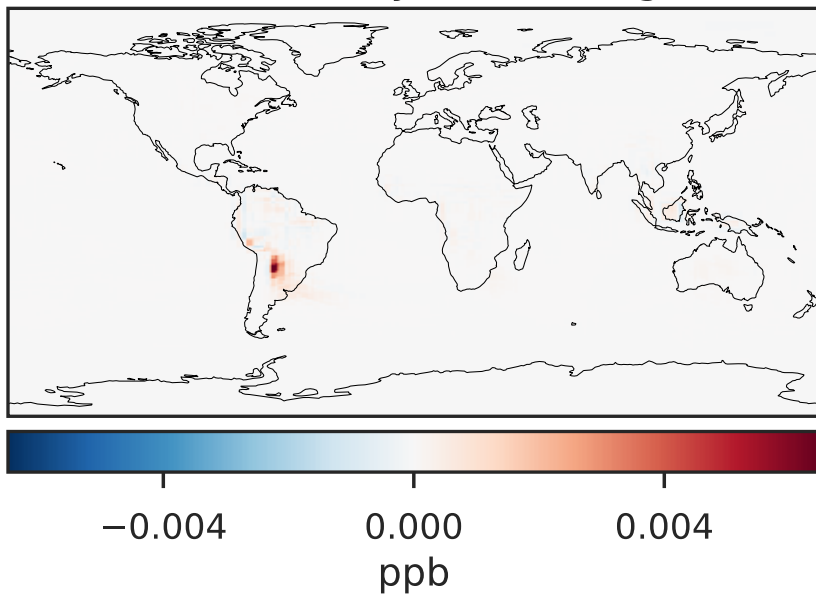
14.3.0-rc.0 (Ref)  
4.0x5.0



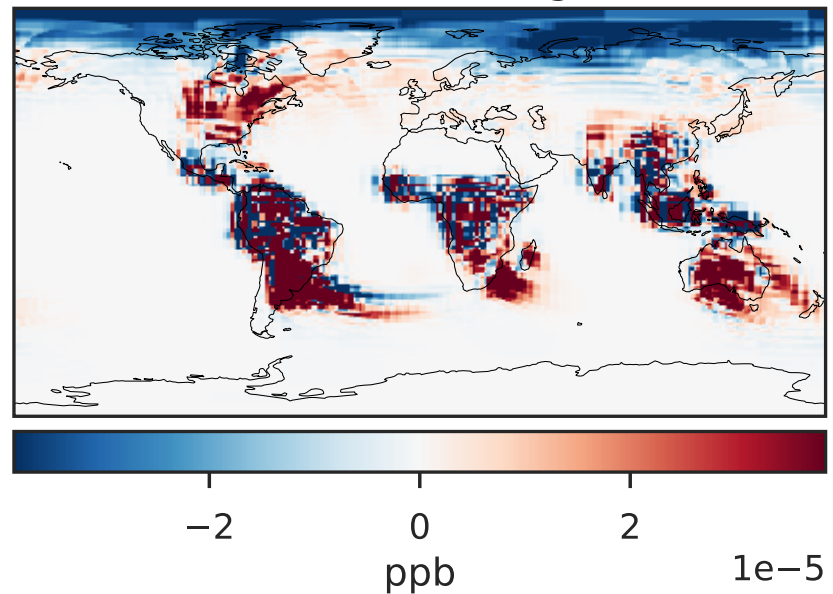
14.3.0-rc.0 (Dev)  
c24



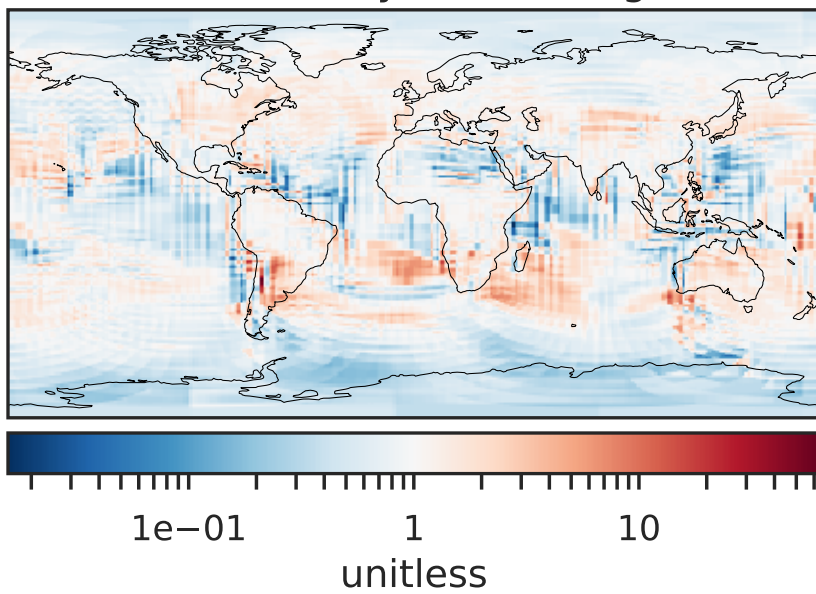
Difference (1x1.25)  
Dev - Ref, Dynamic Range



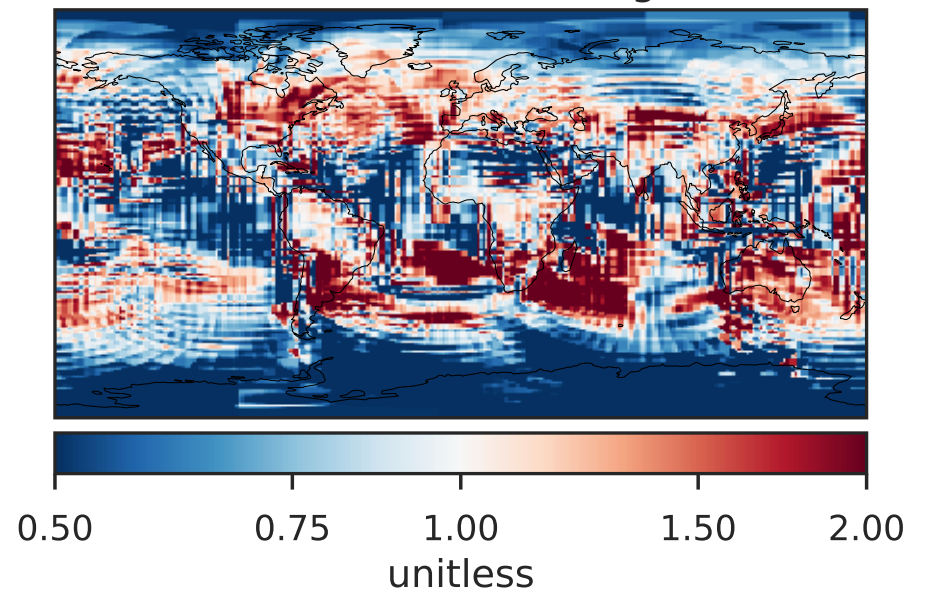
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

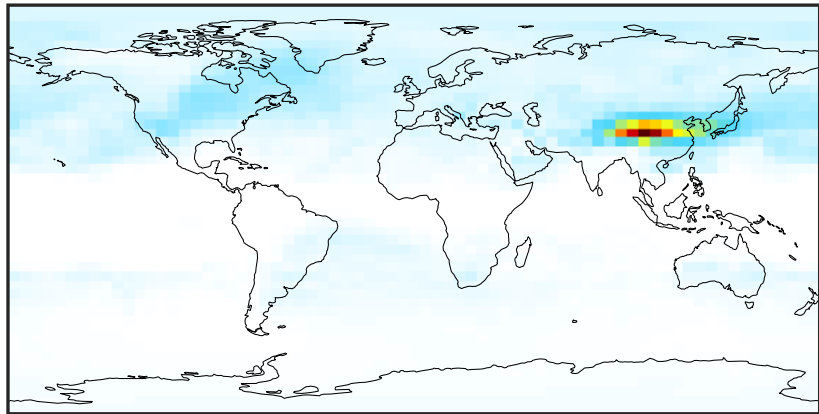


Ratio (1x1.25)  
Dev/Ref, Fixed Range



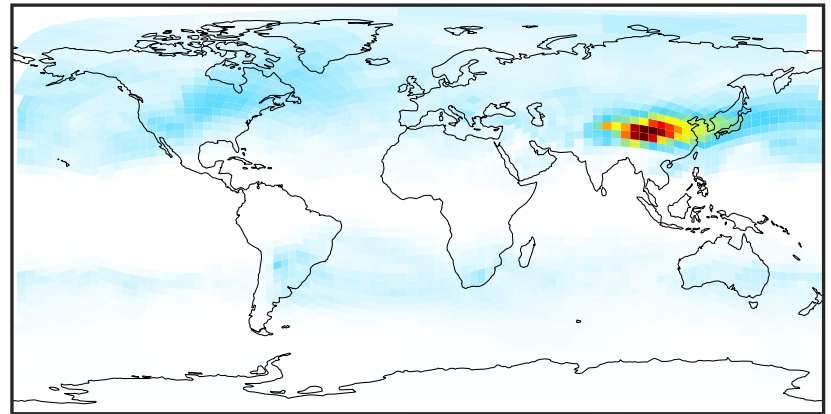
# SpeciesConcVV\_NIT (Oct2019)

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



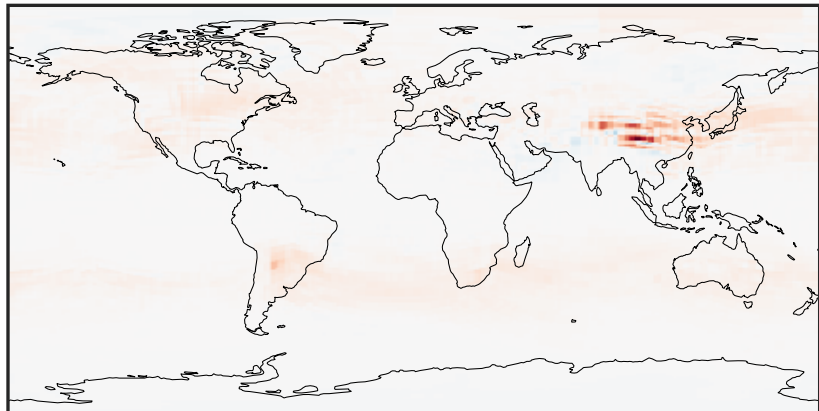
0.0000 0.1306 0.2611 0.3917 0.5223  
ppb

14.3.0-rc.0 (Dev)  
c24



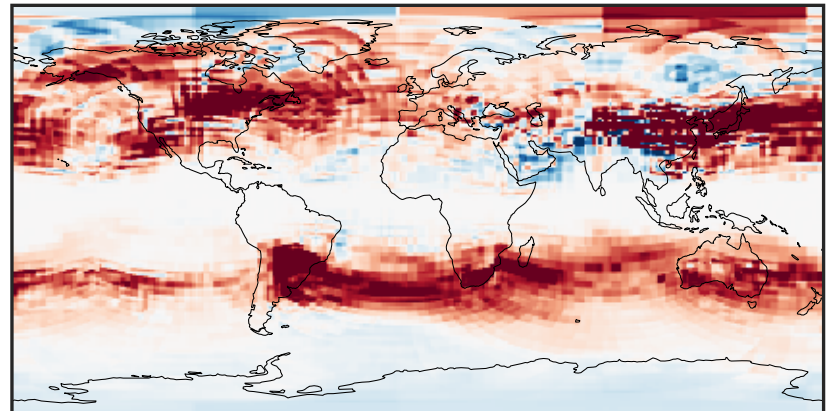
0.0000 0.1306 0.2611 0.3917 0.5223  
ppb

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



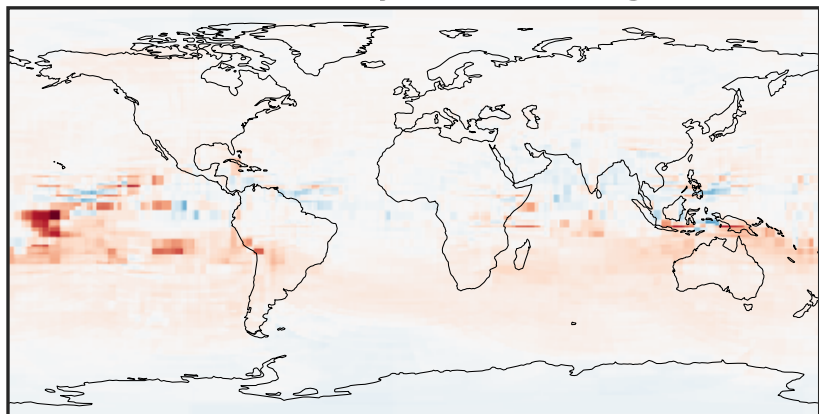
-0.3151 -0.1576 0.0000 0.1576 0.3151  
ppb

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



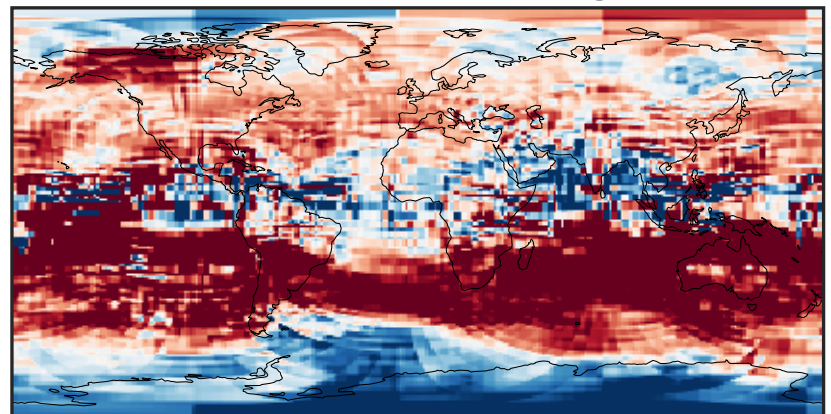
-0.01 0.00 0.01  
ppb

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



unitless

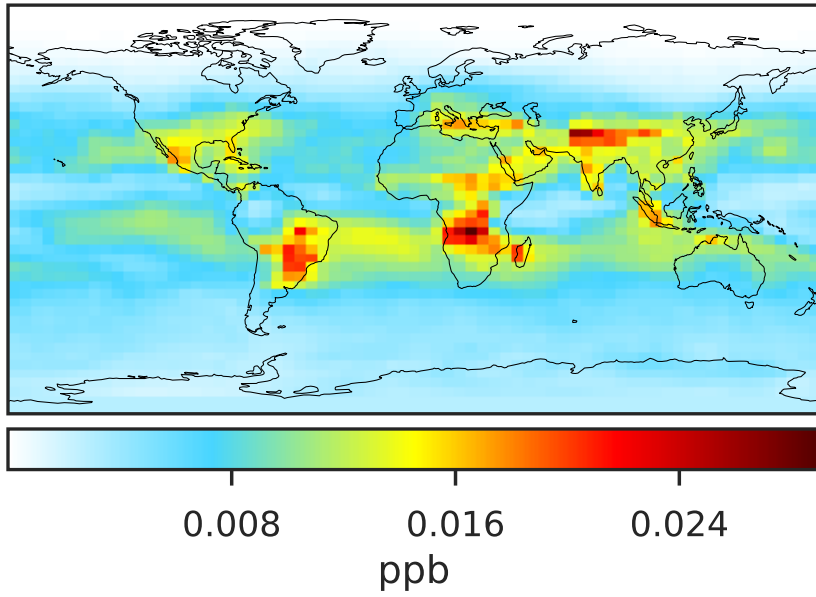
Ratio (1x1.25)  
Dev/Ref, Fixed Range



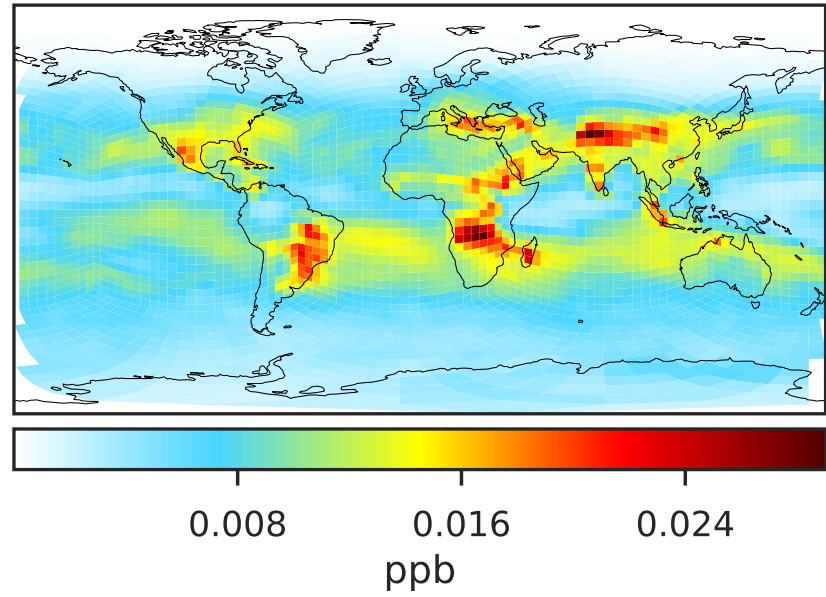
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_NO (Oct2019)

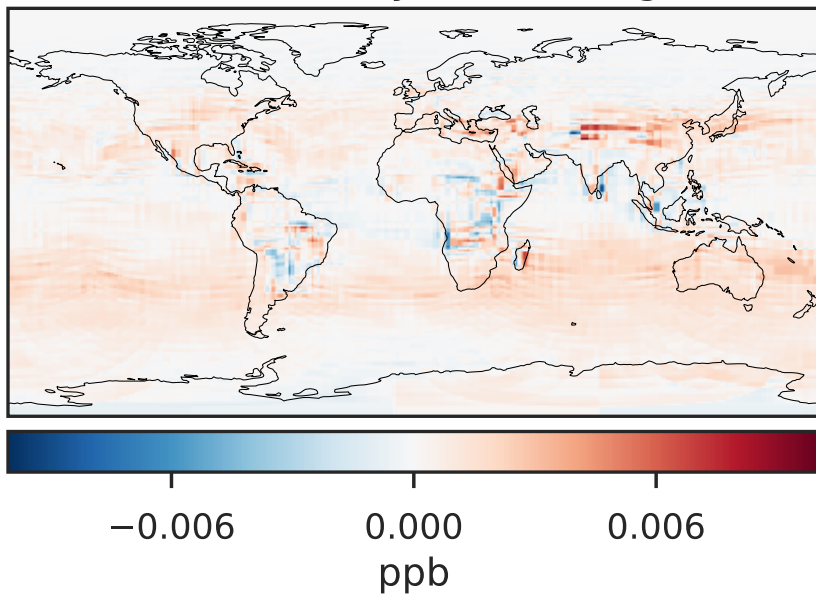
14.3.0-rc.0 (Ref)  
4.0x5.0



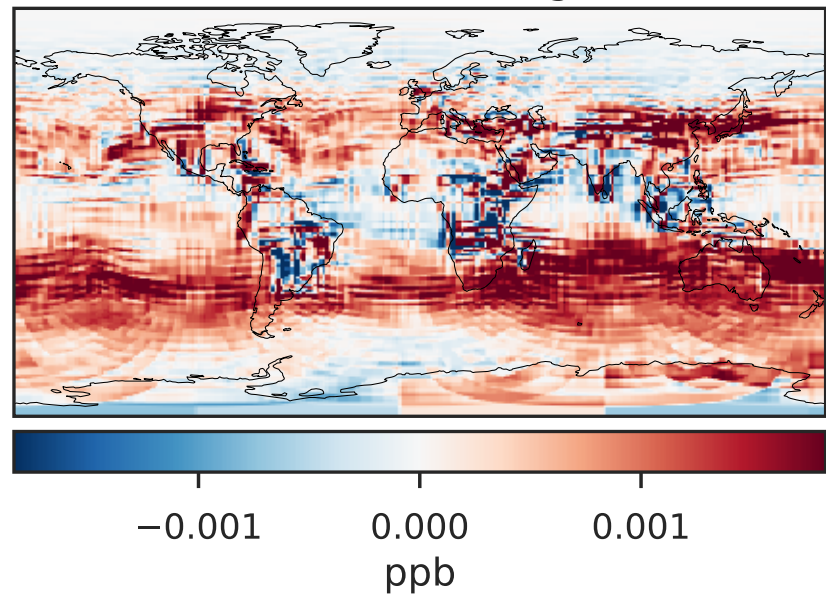
14.3.0-rc.0 (Dev)  
c24



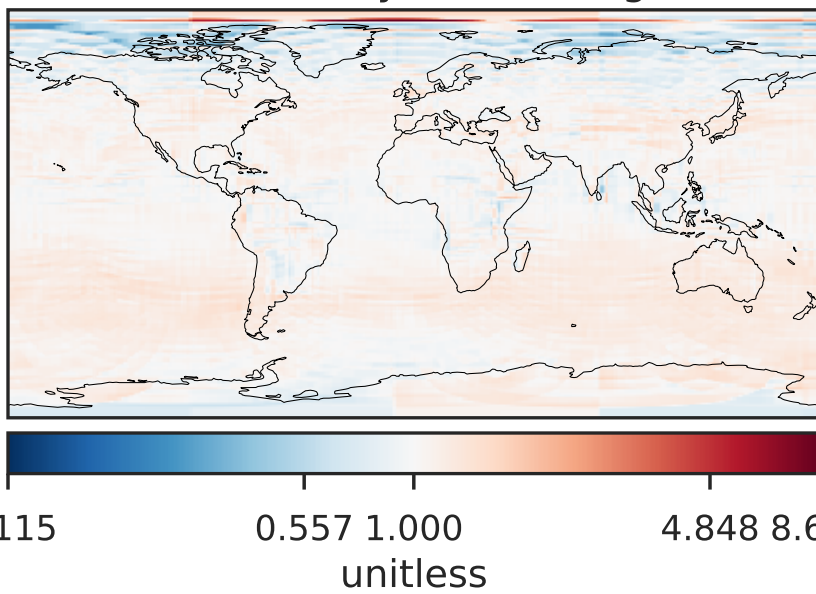
Difference (1x1.25)  
Dev - Ref, Dynamic Range



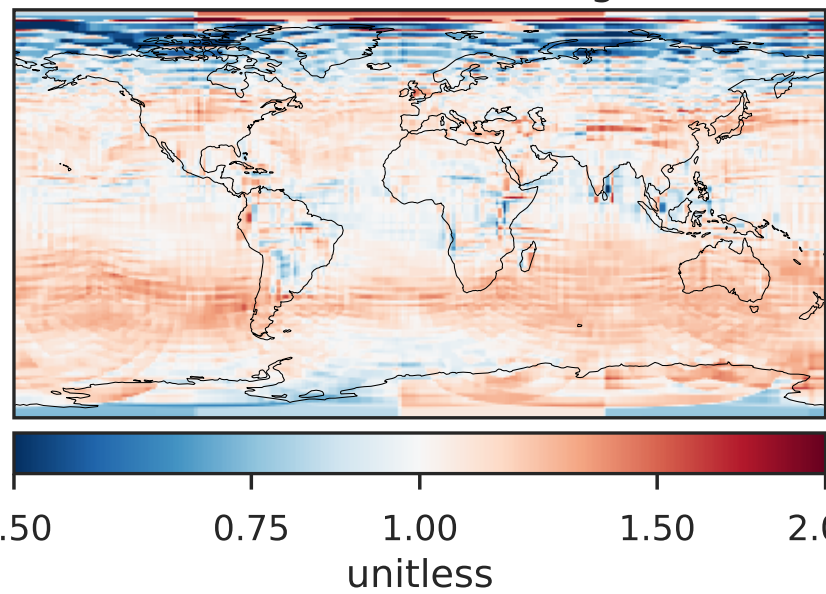
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



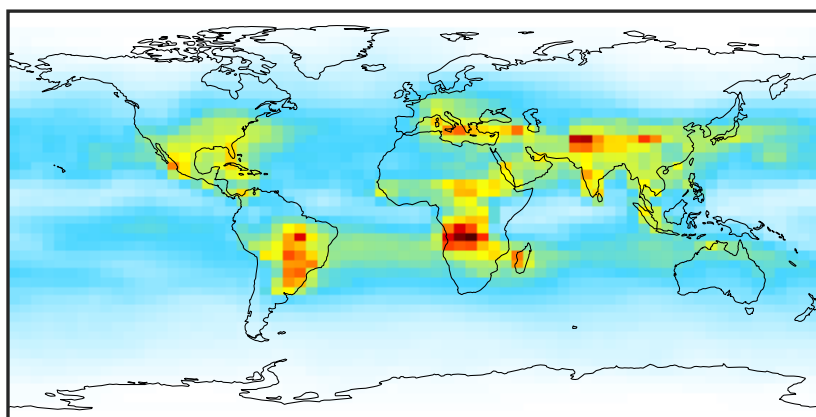
Ratio (1x1.25)  
Dev/Ref, Fixed Range





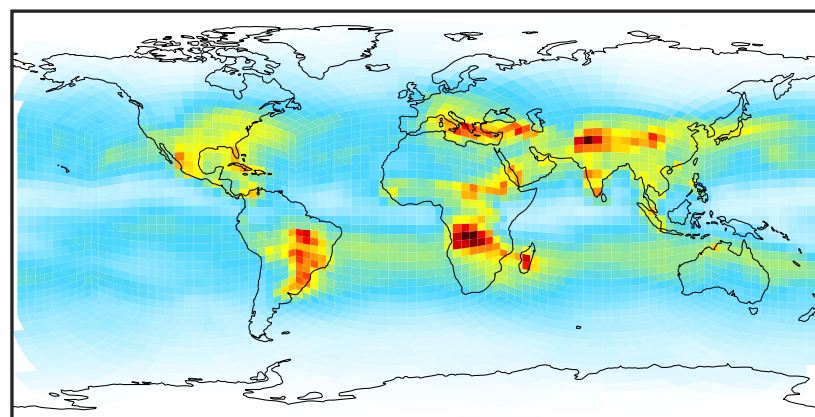
# SpeciesConcVW\_NO2 (Oct2019)

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



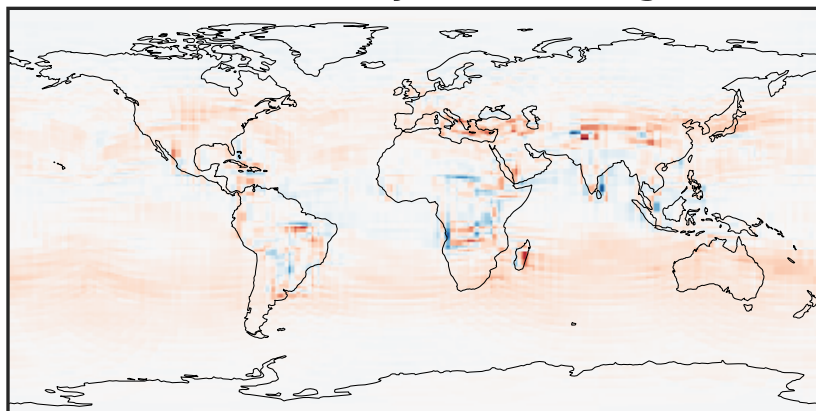
0.0012 0.0292 0.0572 0.0851 0.1131  
ppb

14.3.0-rc.0 (Dev)  
c24



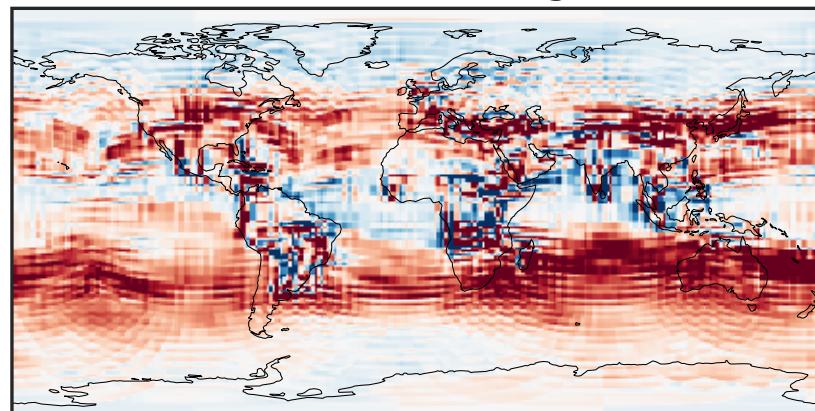
0.0012 0.0292 0.0572 0.0851 0.1131  
ppb

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



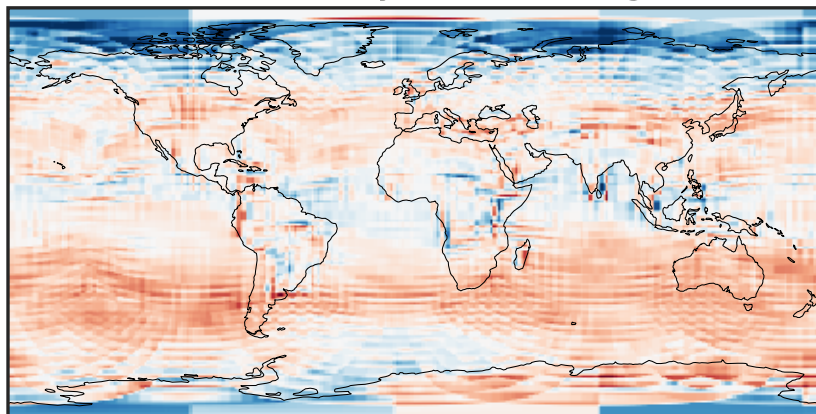
-0.025 0.000 0.025  
ppb

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



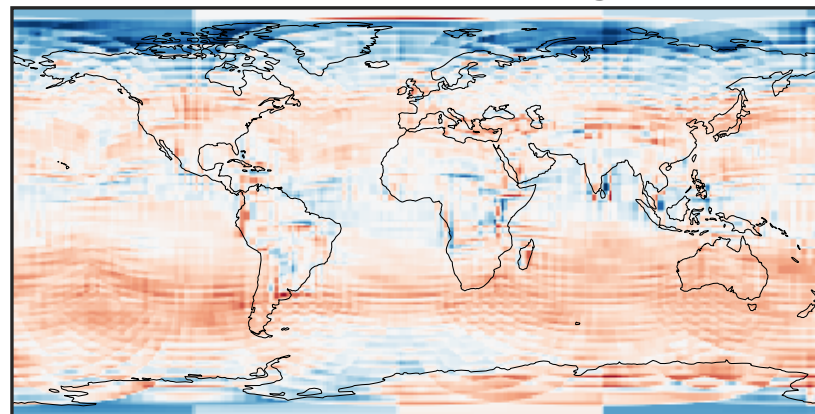
-0.004 0.000 0.004  
ppb

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



0.537 0.768 1.000 1.431 1.863  
unitless

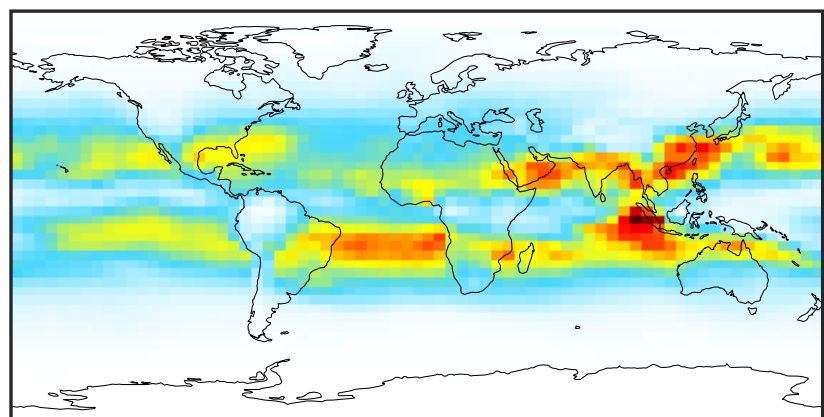
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

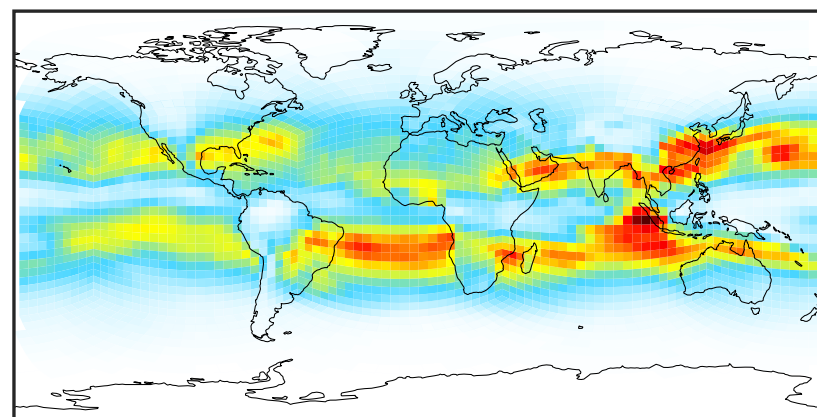
# SpeciesConcVW\_NO3 (Oct2019)

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



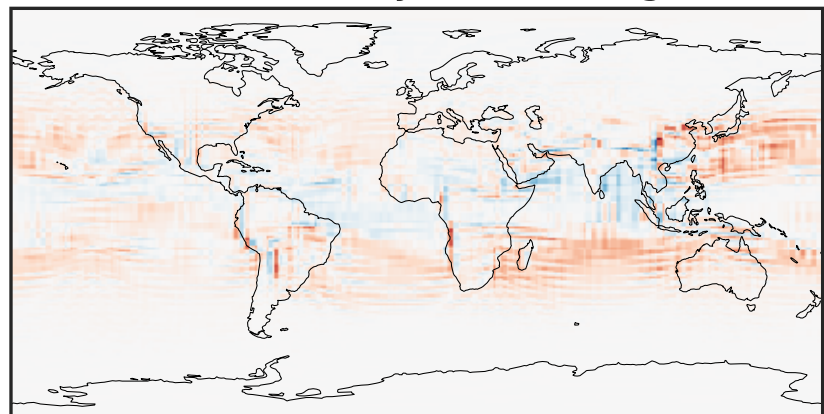
0.0015 0.0030 0.0045  
ppb

14.3.0-rc.0 (Dev)  
c24



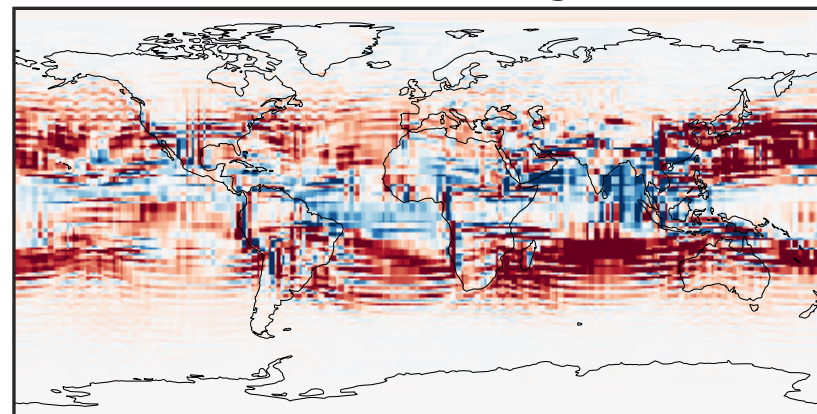
0.0015 0.0030 0.0045  
ppb

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



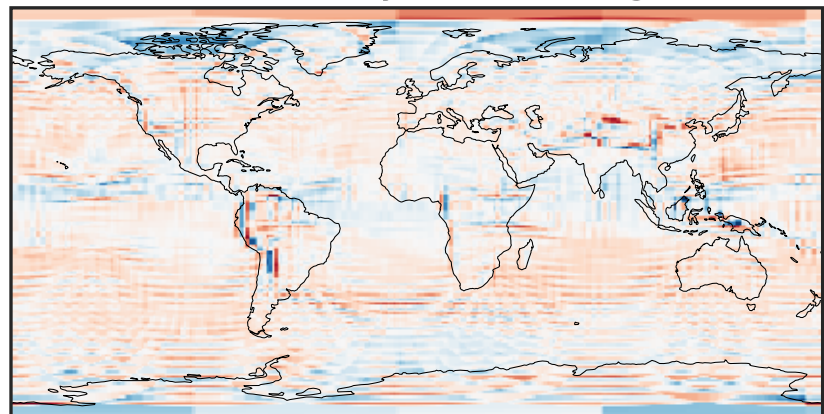
-0.0008 0.0000 0.0008  
ppb

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



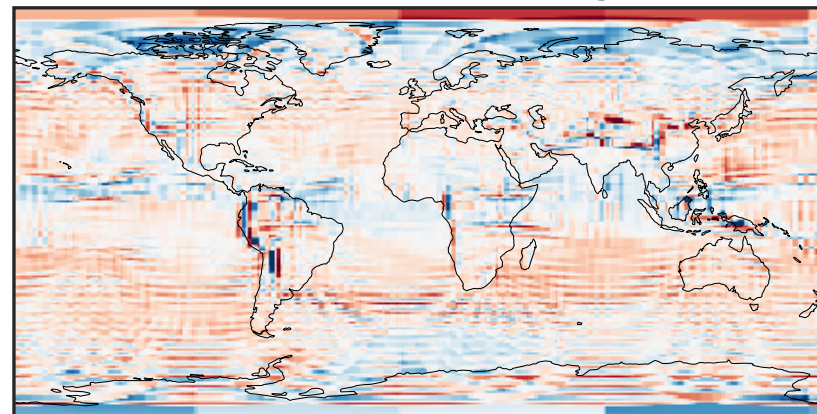
-0.00015 0.00000 0.00015  
ppb

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



0.366 0.683 1.000 1.865 2.729  
unitless

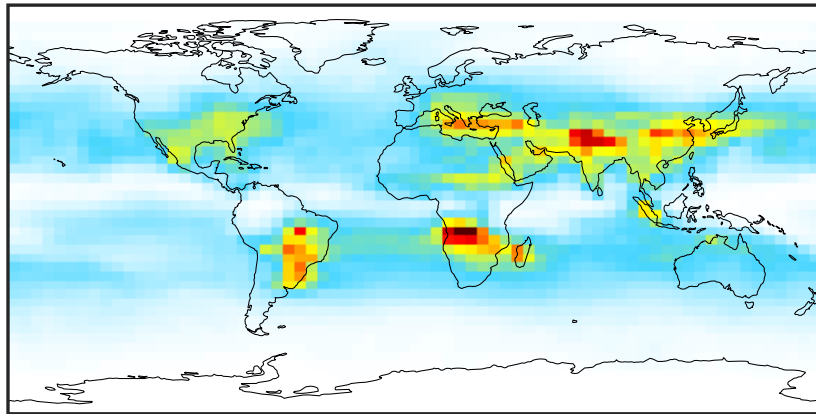
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

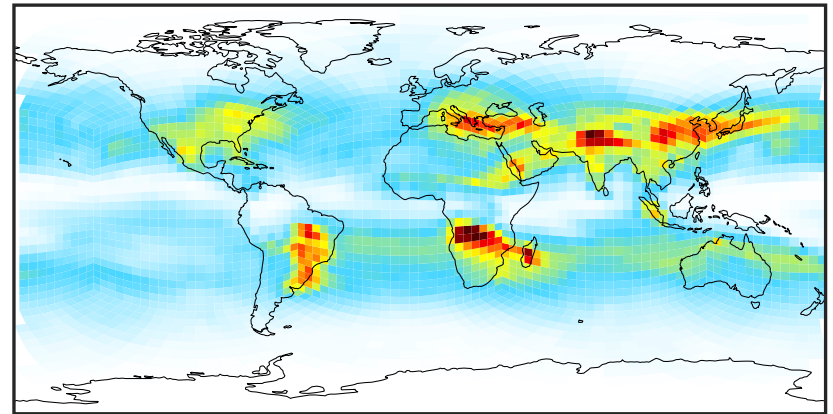
# SpeciesConcVV\_N2O5 (Oct2019)

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



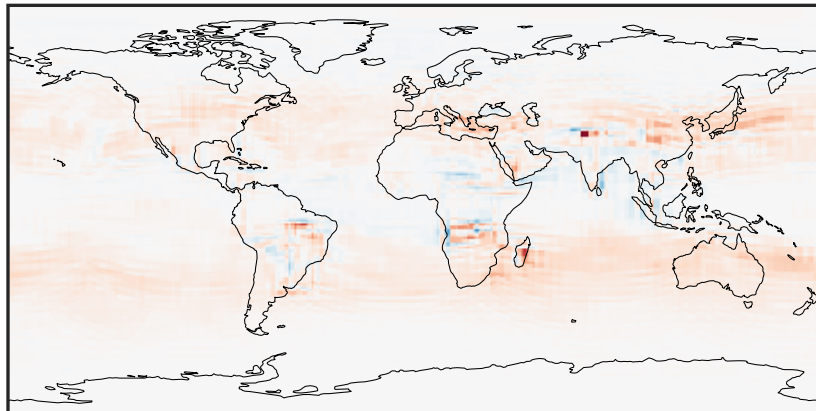
0.003 0.006 0.009  
ppb

14.3.0-rc.0 (Dev)  
c24



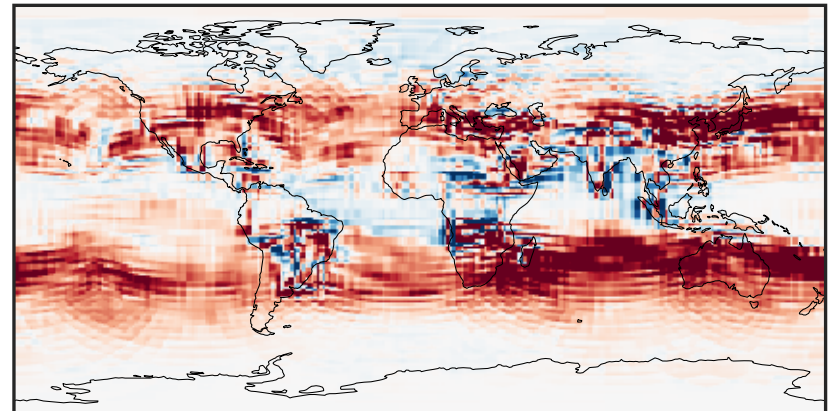
0.003 0.006 0.009  
ppb

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



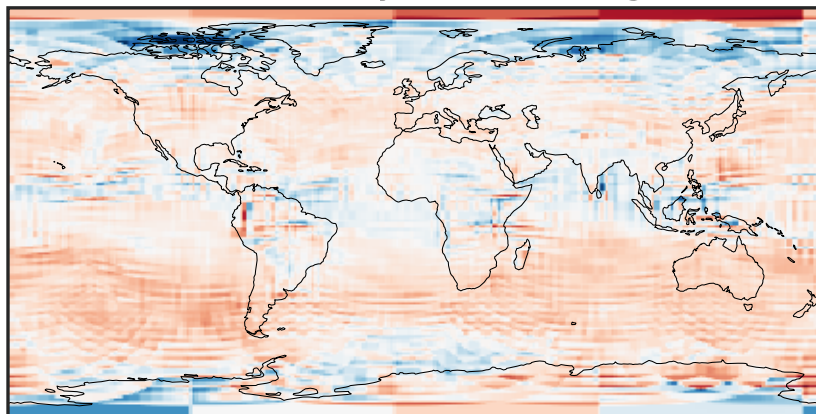
-0.004 0.000 0.004  
ppb

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



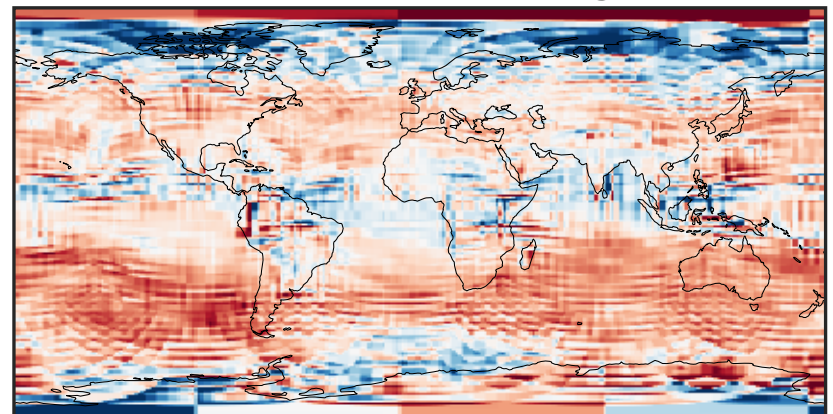
-0.0005 0.0000 0.0005  
ppb

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



0.249 0.625 1.000 2.507 4.014  
unitless

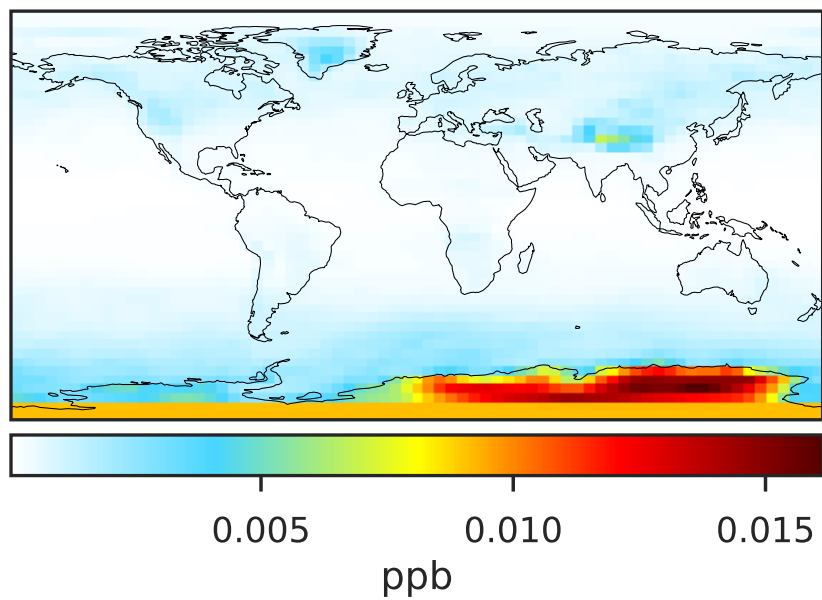
Ratio (1x1.25)  
Dev/Ref, Fixed Range



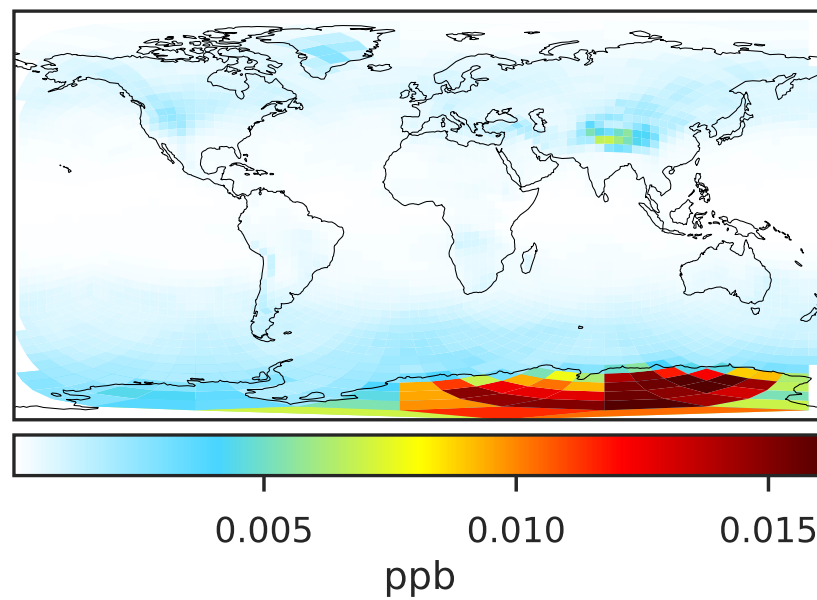
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVW\_MPN (Oct2019)

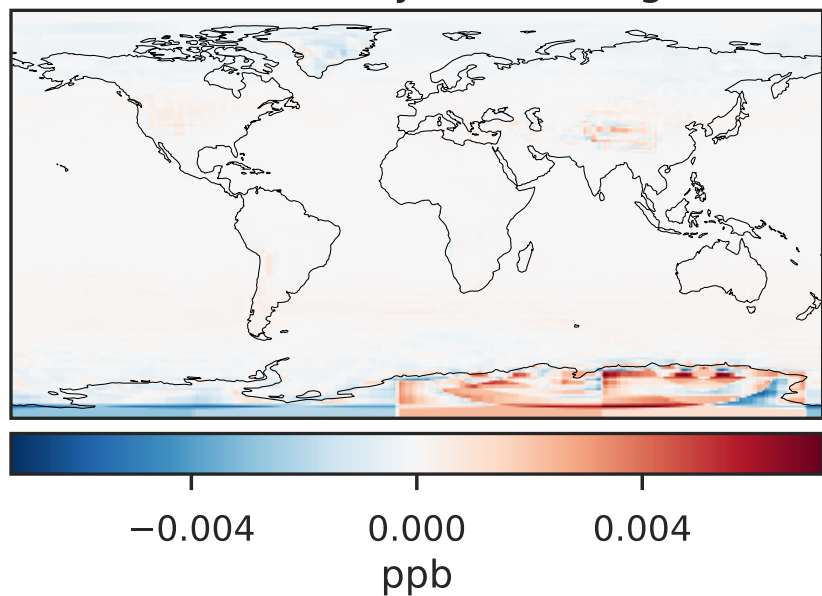
14.3.0-rc.0 (Ref)  
4.0x5.0



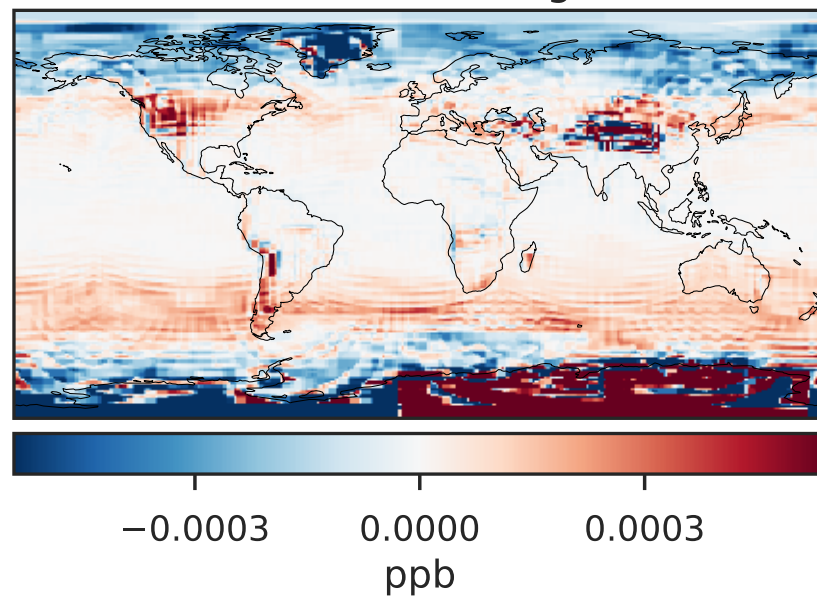
14.3.0-rc.0 (Dev)  
c24



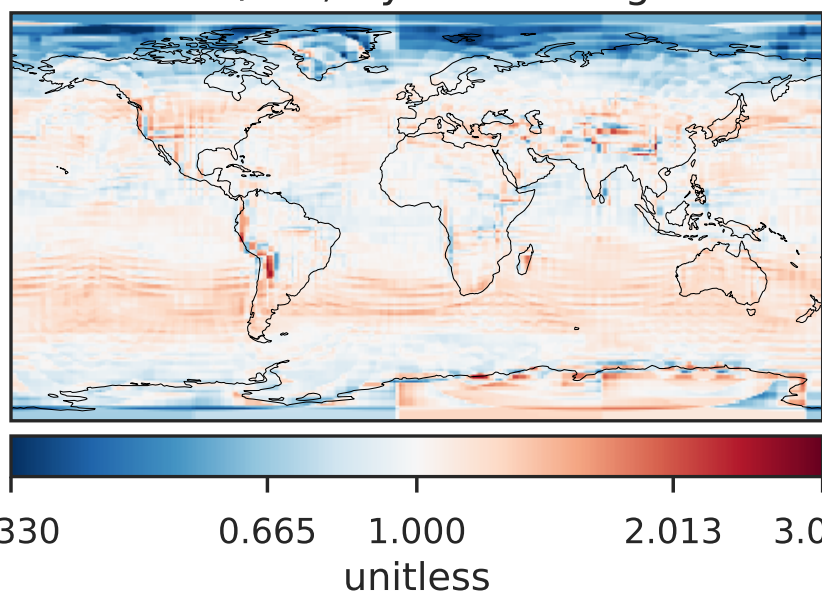
Difference (1x1.25)  
Dev - Ref, Dynamic Range



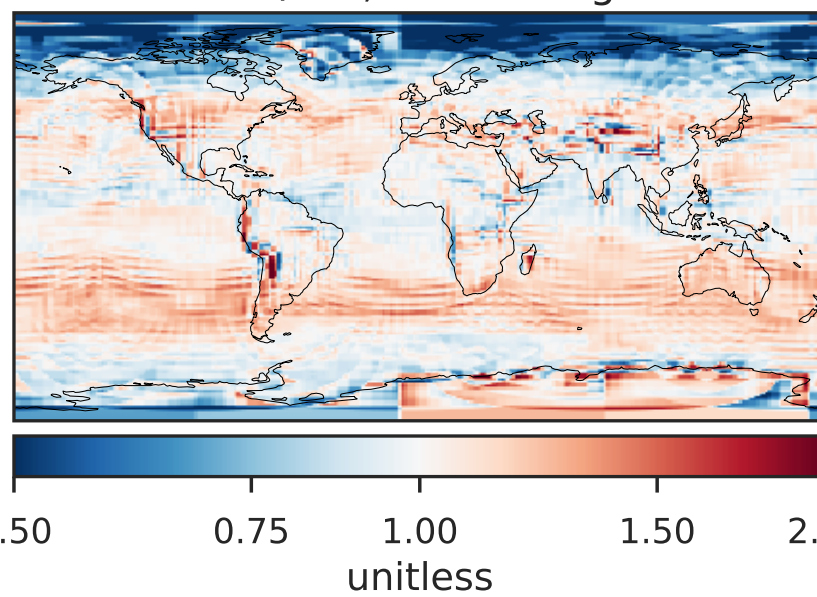
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

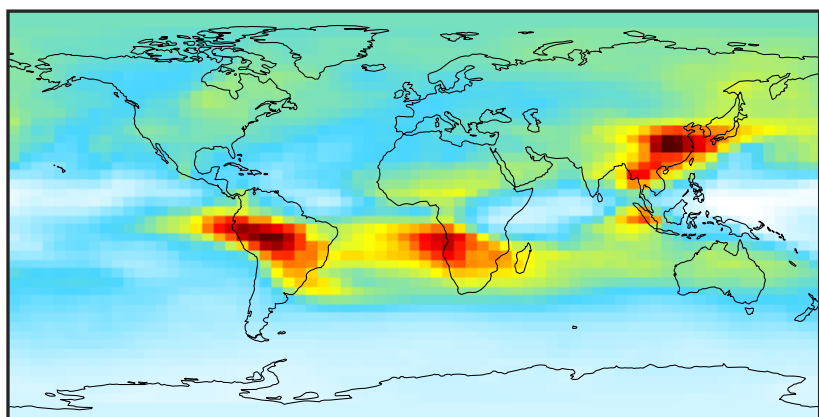


Ratio (1x1.25)  
Dev/Ref, Fixed Range



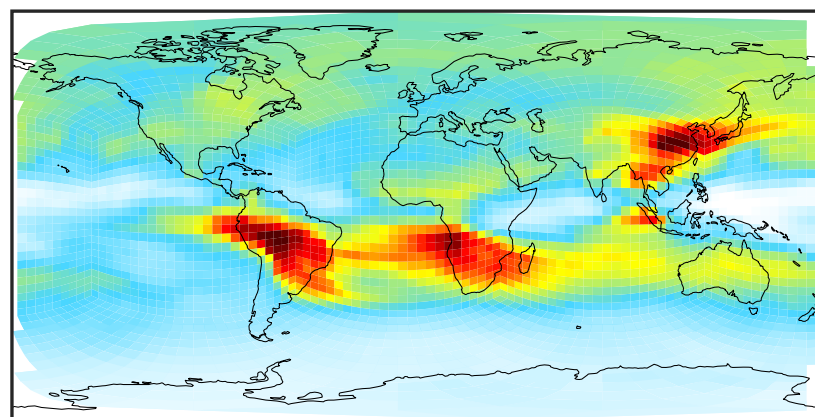
# SpeciesConcVV\_PAN (Oct2019)

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



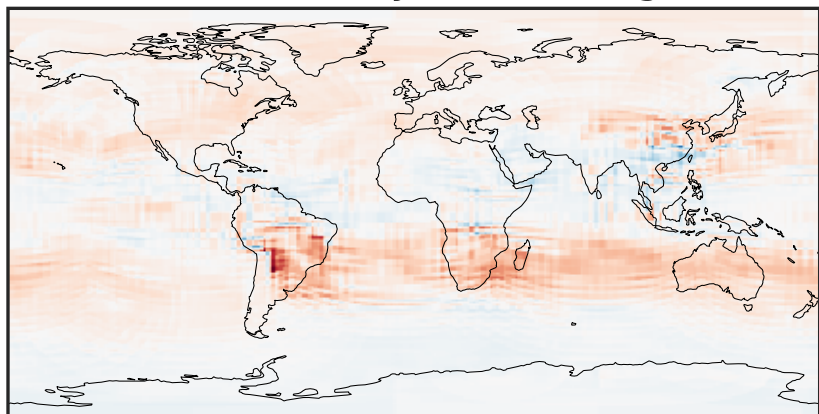
0.0103 0.1155 0.2207 0.3260 0.4312  
ppb

14.3.0-rc.0 (Dev)  
c24



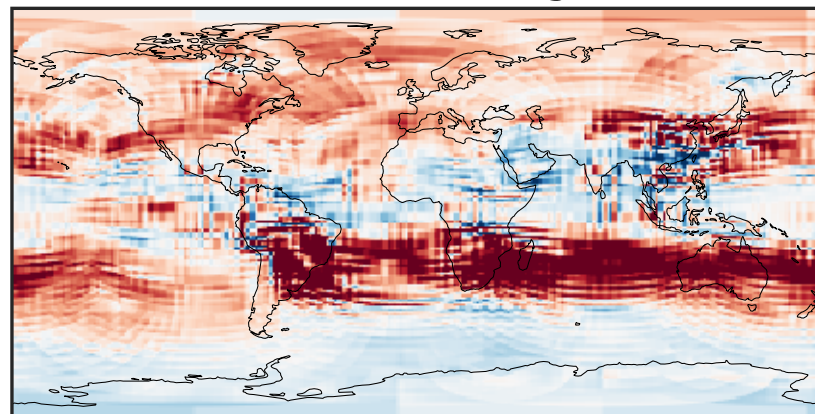
0.0103 0.1155 0.2207 0.3260 0.4312  
ppb

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



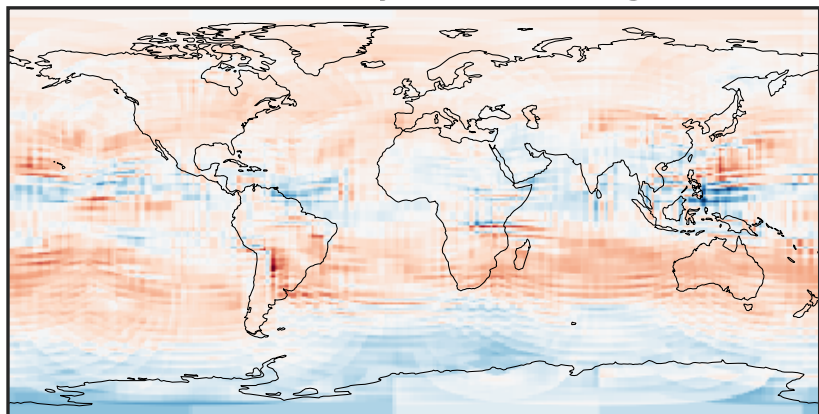
-0.1405 -0.0702 0.0000 0.0702 0.1405  
ppb

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



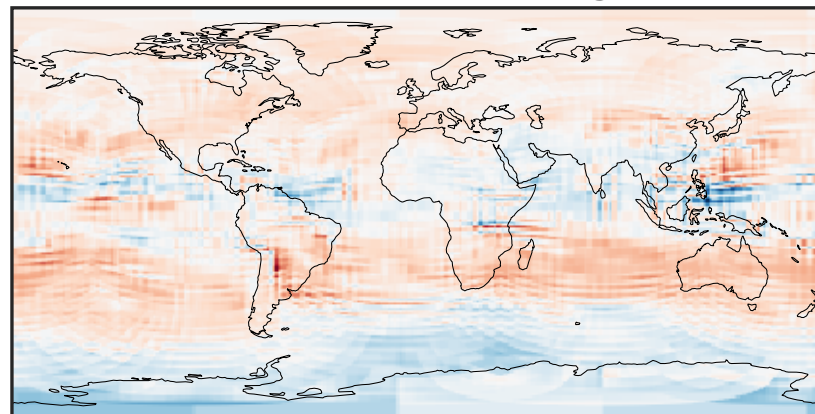
-0.02 0.00 0.02  
ppb

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



0.520 0.760 1.000 1.462 1.925  
unitless

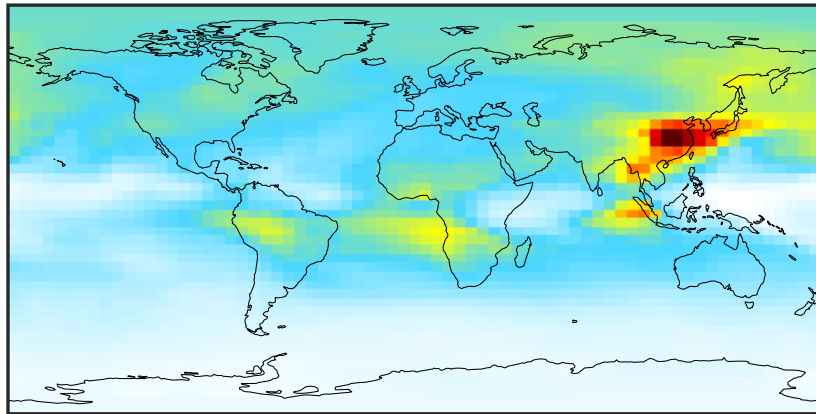
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

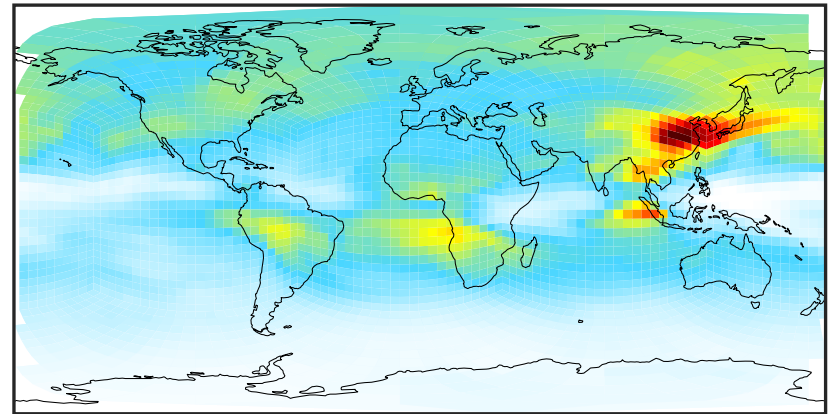
# SpeciesConcVV\_PPN (Oct2019)

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



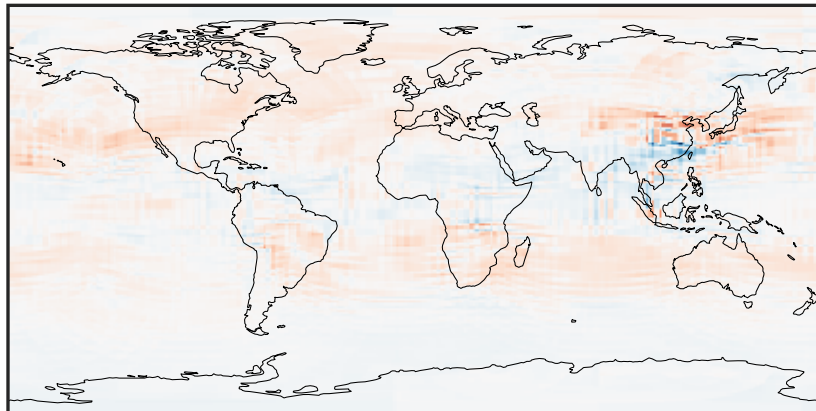
0.025 0.050 0.075  
ppb

14.3.0-rc.0 (Dev)  
c24



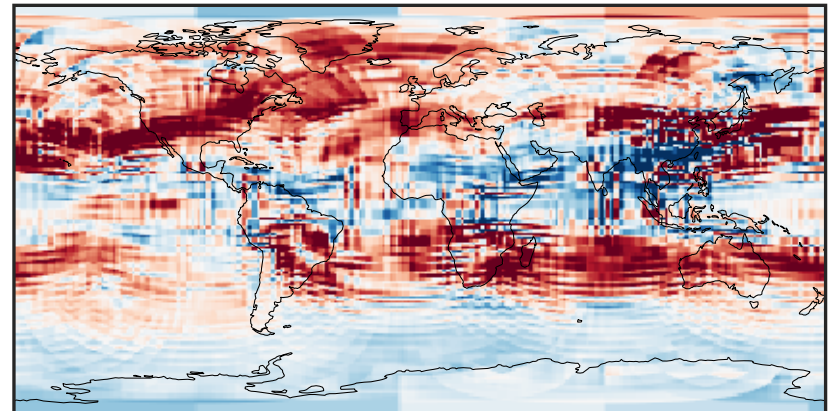
0.025 0.050 0.075  
ppb

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



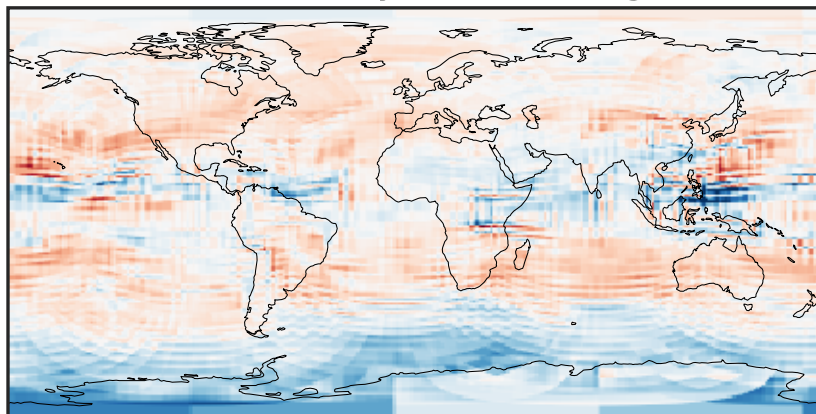
-0.015 0.000 0.015  
ppb

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



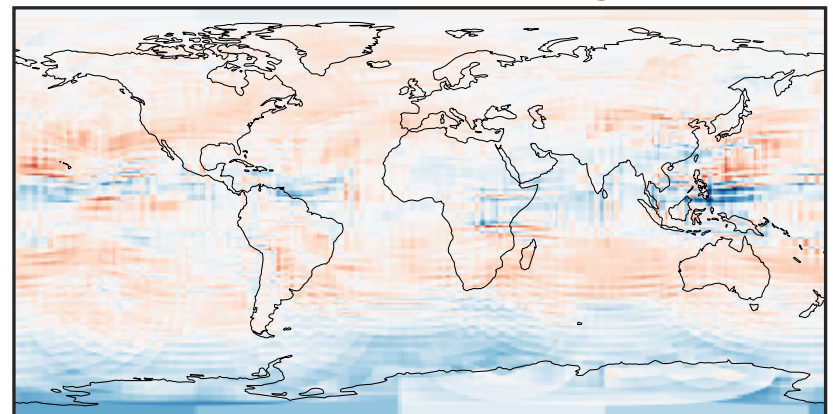
-0.002 0.000 0.002  
ppb

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



0.593 0.796 1.000 1.344 1.687  
unitless

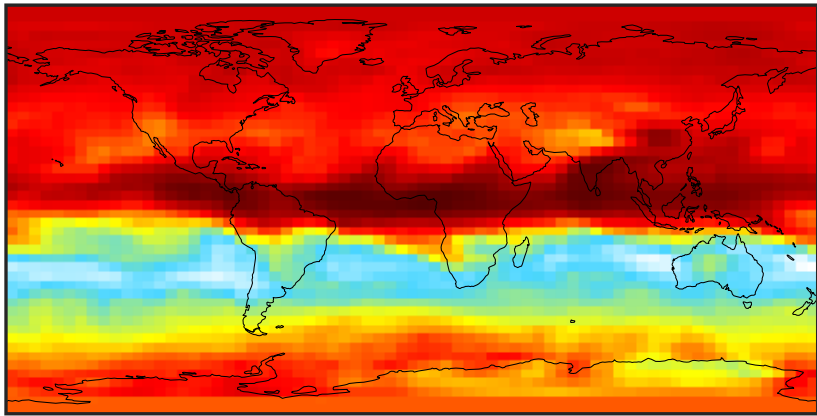
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

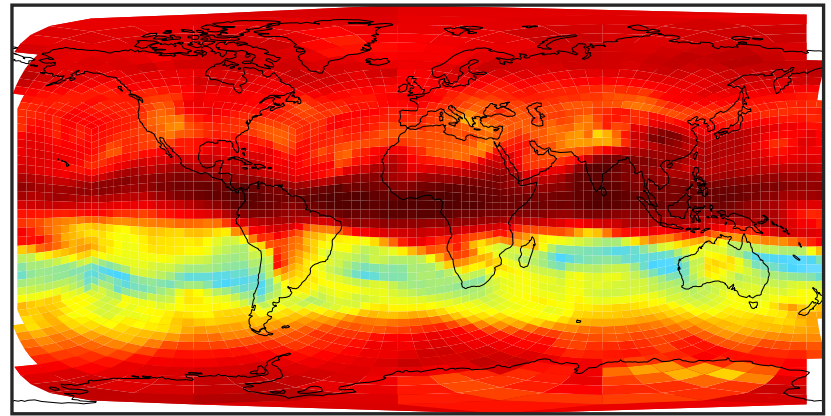
# SpeciesConcVW\_N2O (Oct2019)

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



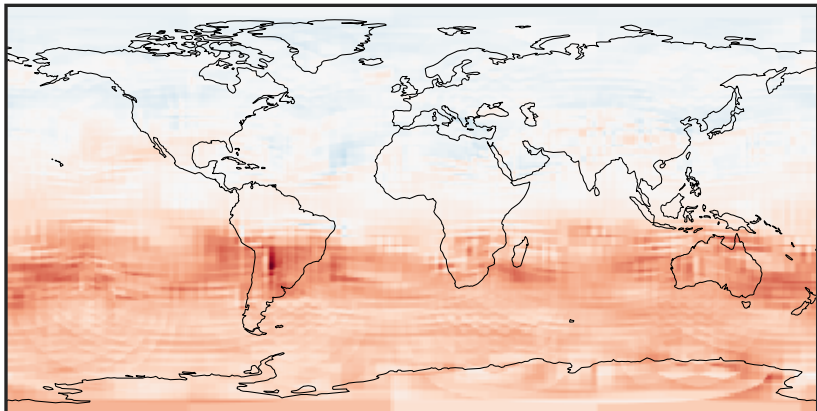
329.5986 329.8145 330.0305 330.2464 330.4623  
ppb

14.3.0-rc.0 (Dev)  
c24



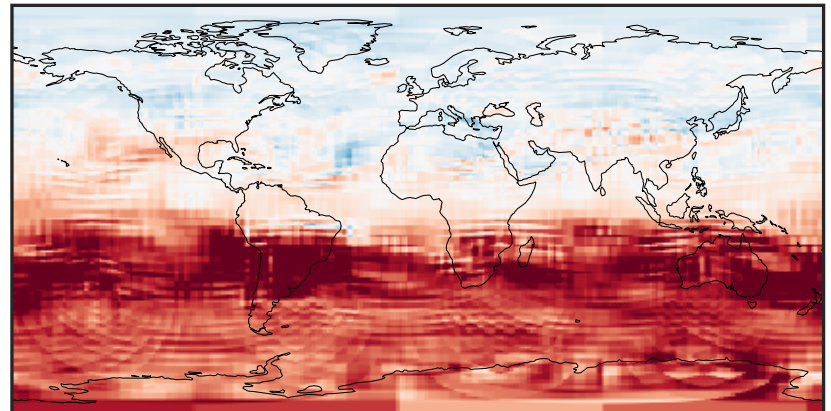
329.5986 329.8145 330.0305 330.2464 330.4623  
ppb

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



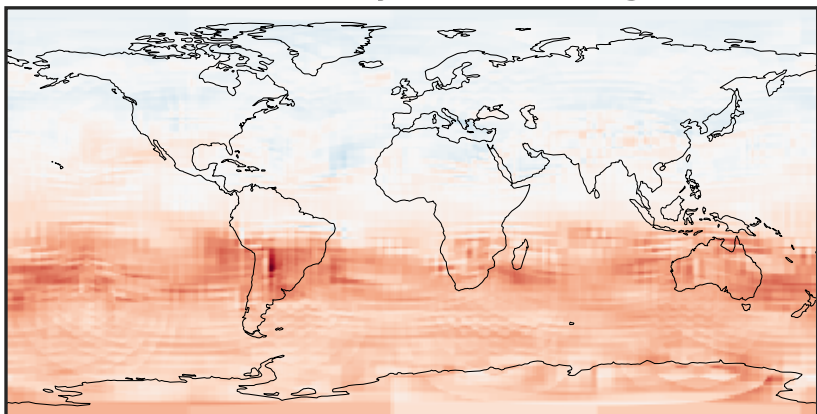
-0.4129 -0.2065 0.0000 0.2065 0.4129  
ppb

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



-0.1721 -0.0861 0.0000 0.0861 0.1721  
ppb

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



0.998750 0.999375 1.000000 1.000626 1.001252  
unitless

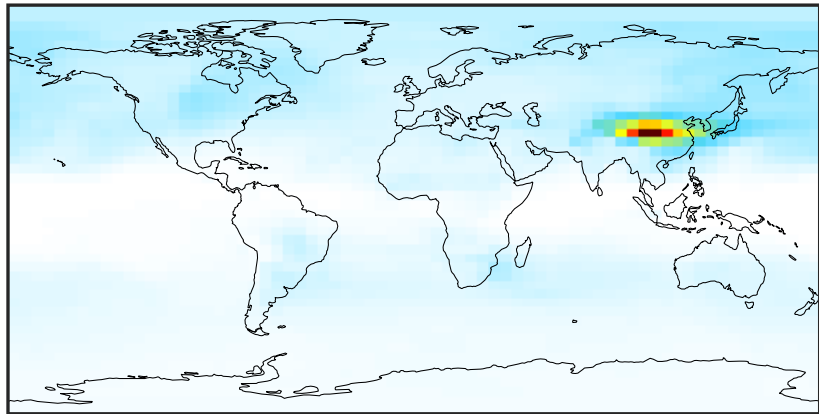
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

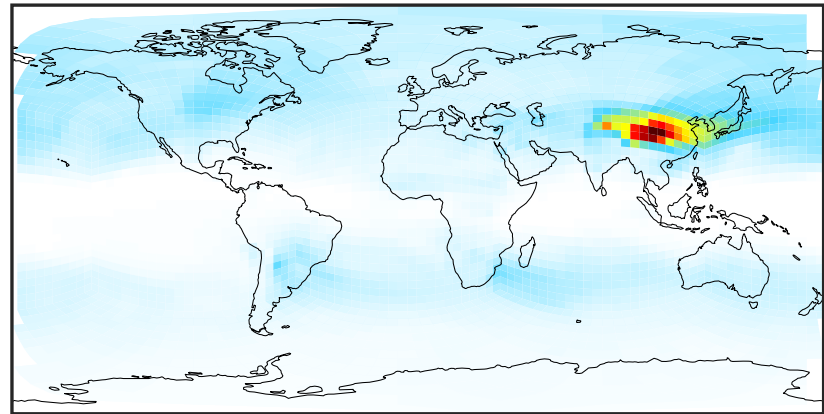
# SpeciesConcVV\_NHx (Oct2019)

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



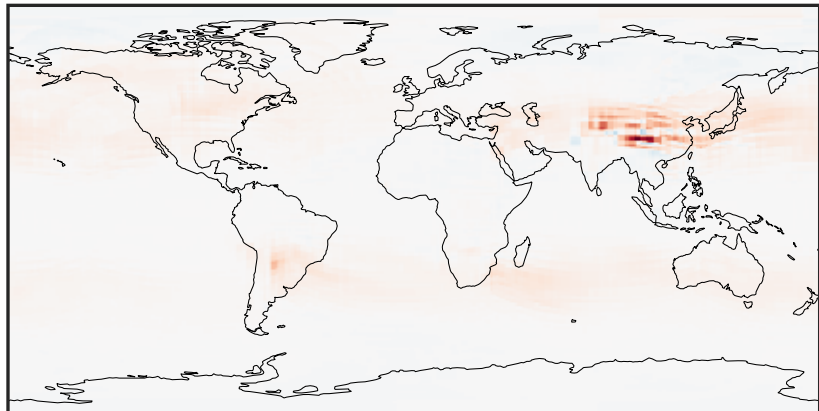
0.001 0.343 0.685 1.028 1.370  
ppb

14.3.0-rc.0 (Dev)  
c24



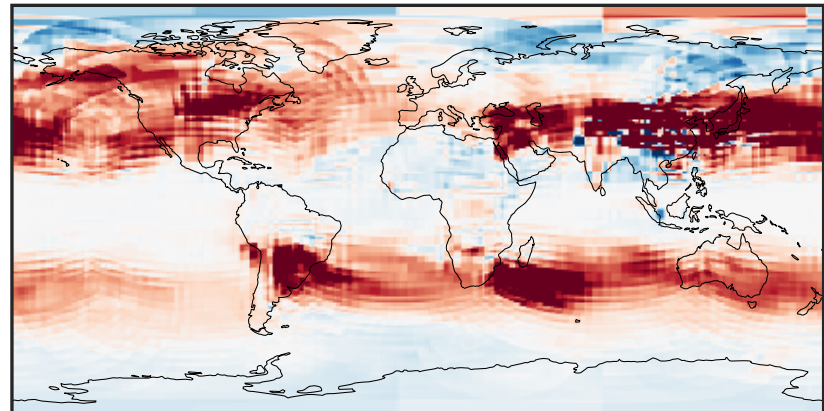
0.001 0.343 0.685 1.028 1.370  
ppb

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



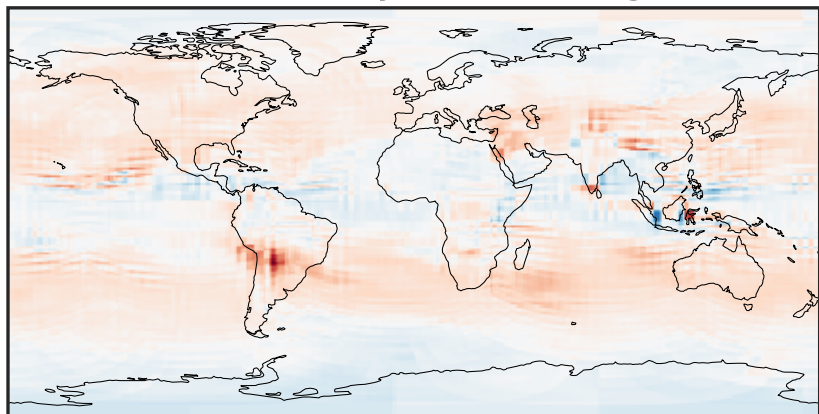
-0.763 -0.382 0.000 0.382 0.763  
ppb

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



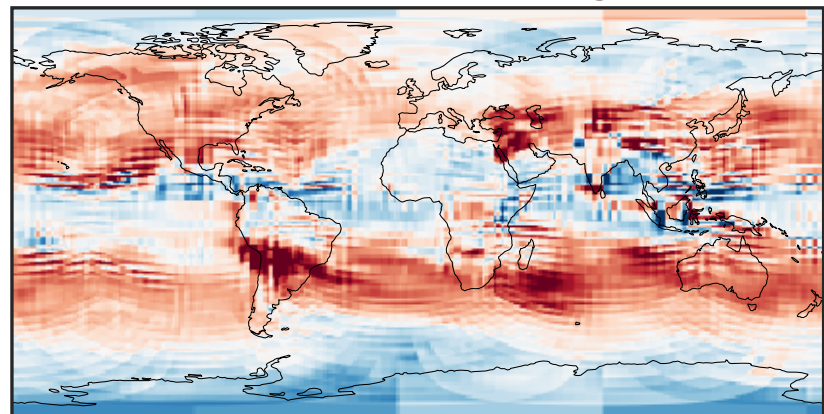
-0.025 0.000 0.025  
ppb

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



1e-01 1 10  
unitless

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

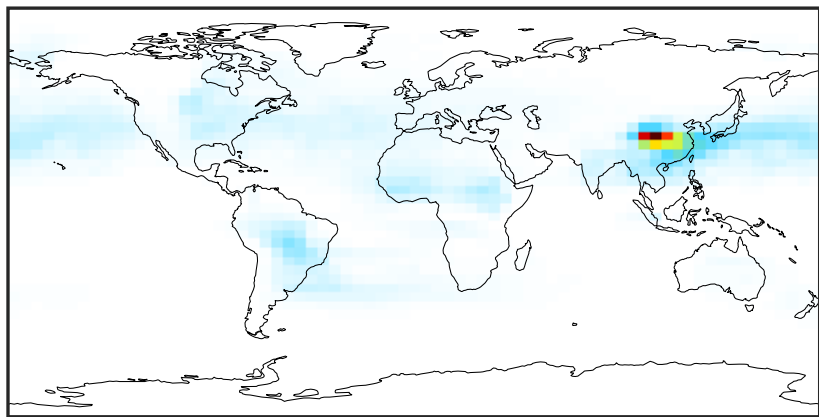


0.50 0.75 1.00 1.50 2.00  
unitless



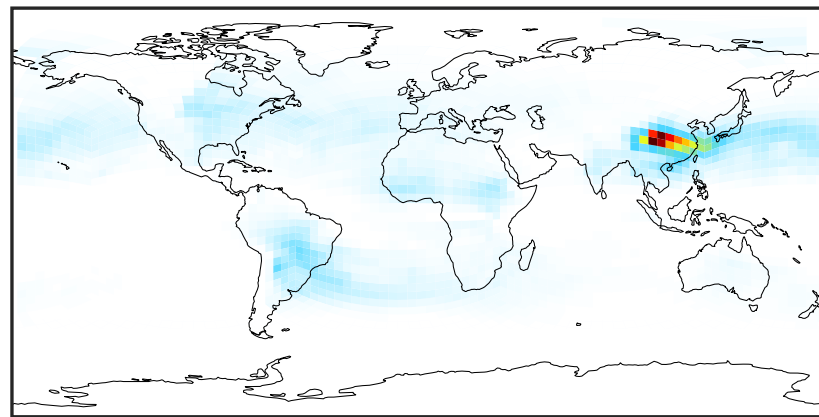
# SpeciesConcVV\_NH3 (Oct2019)

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



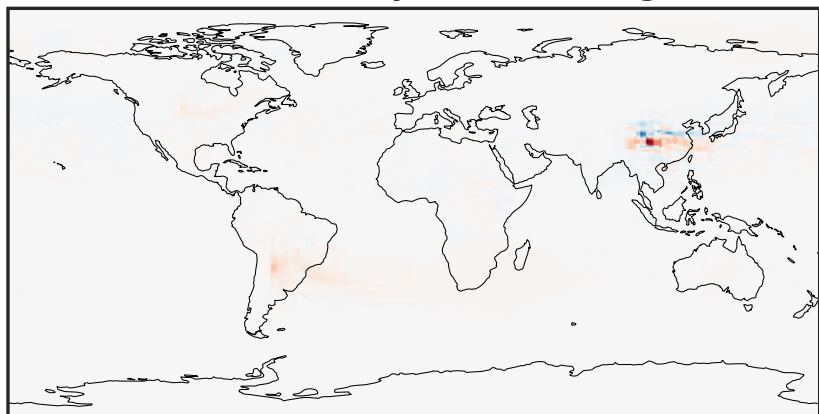
0.0000 0.1016 0.2031 0.3047 0.4063  
ppb

14.3.0-rc.0 (Dev)  
c24



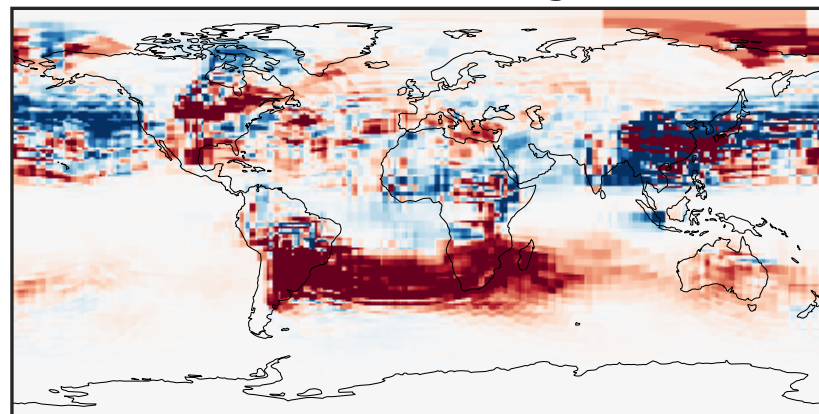
0.0000 0.1016 0.2031 0.3047 0.4063  
ppb

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



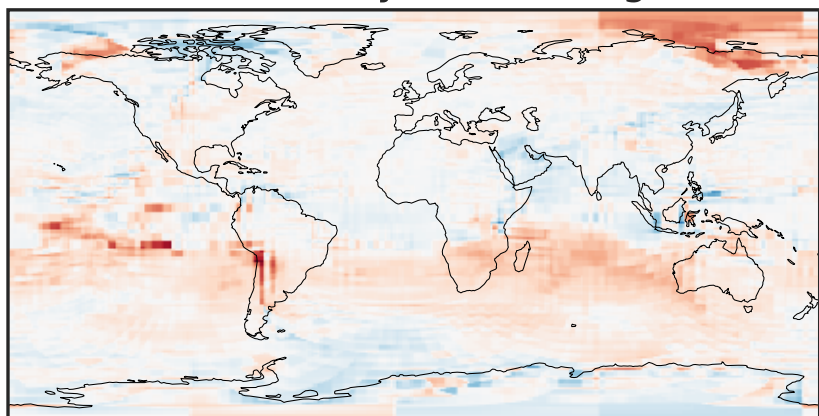
-0.2952 -0.1476 0.0000 0.1476 0.2952  
ppb

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



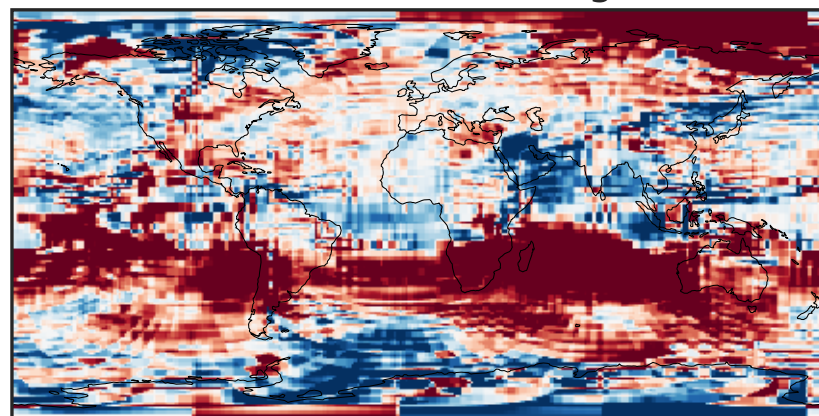
-0.003 0.000 0.003  
ppb

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



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

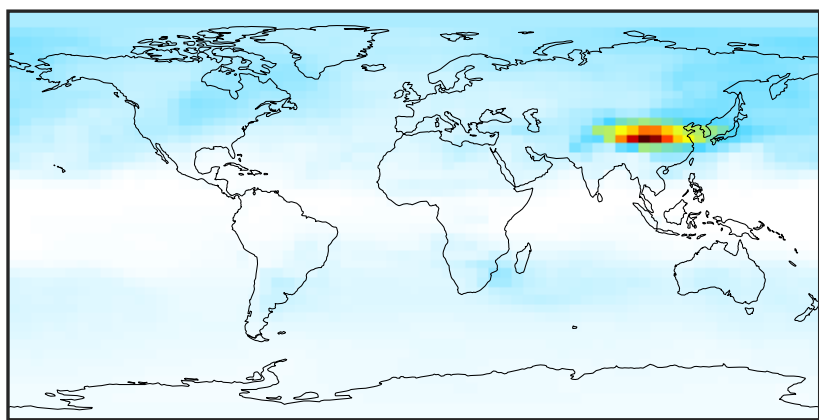
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

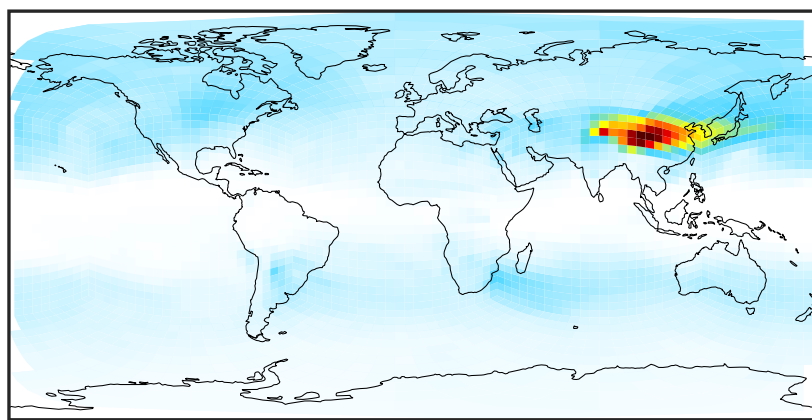
# SpeciesConcVV\_NH4 (Oct2019)

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



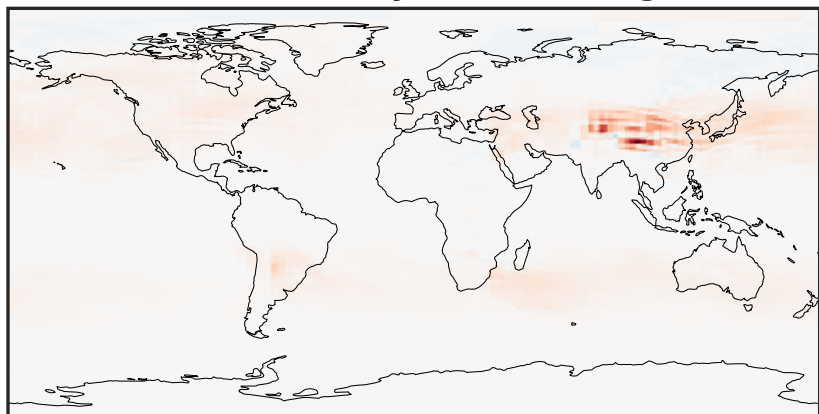
0.00 0.26 0.52 0.78 1.04  
ppb

14.3.0-rc.0 (Dev)  
c24



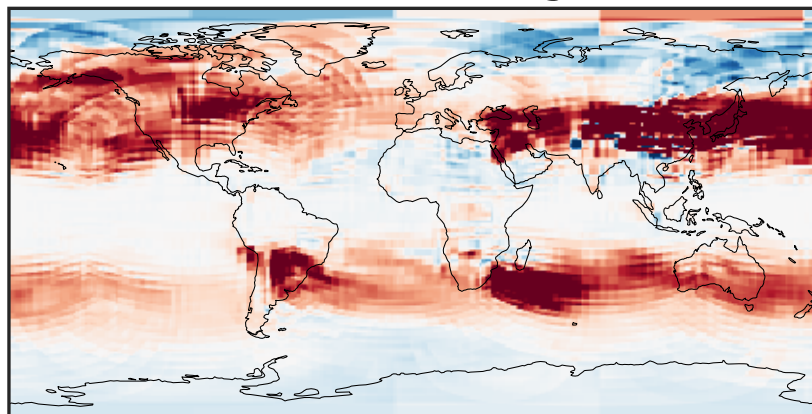
0.00 0.26 0.52 0.78 1.04  
ppb

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



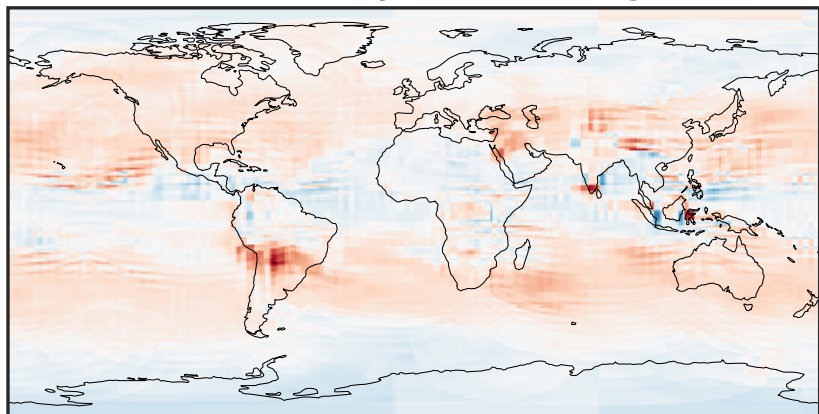
-0.669 -0.335 0.000 0.335 0.669  
ppb

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



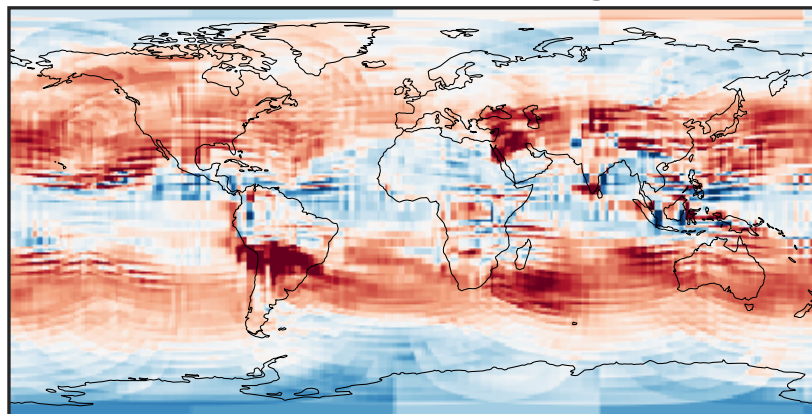
-0.025 0.000 0.025  
ppb

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



0.125 0.563 1.000 4.495 7.989  
unitless

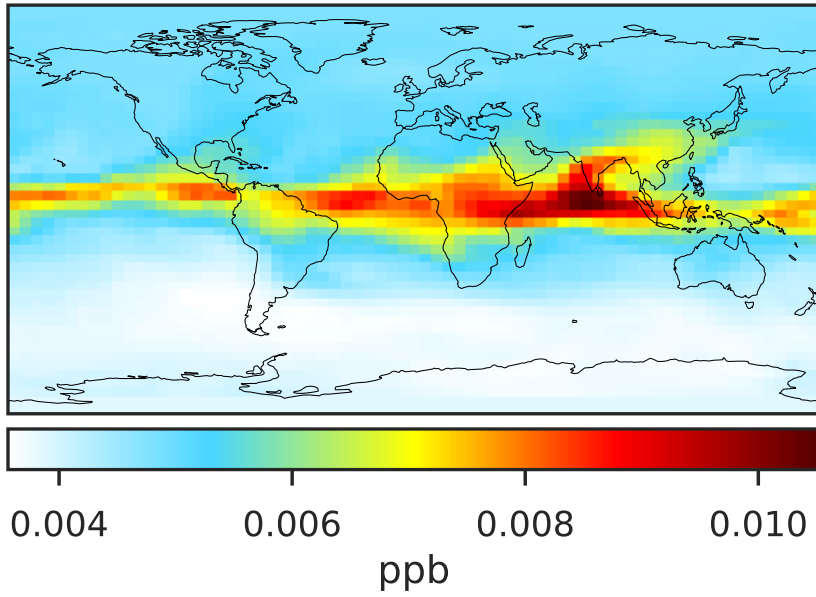
Ratio (1x1.25)  
Dev/Ref, Fixed Range



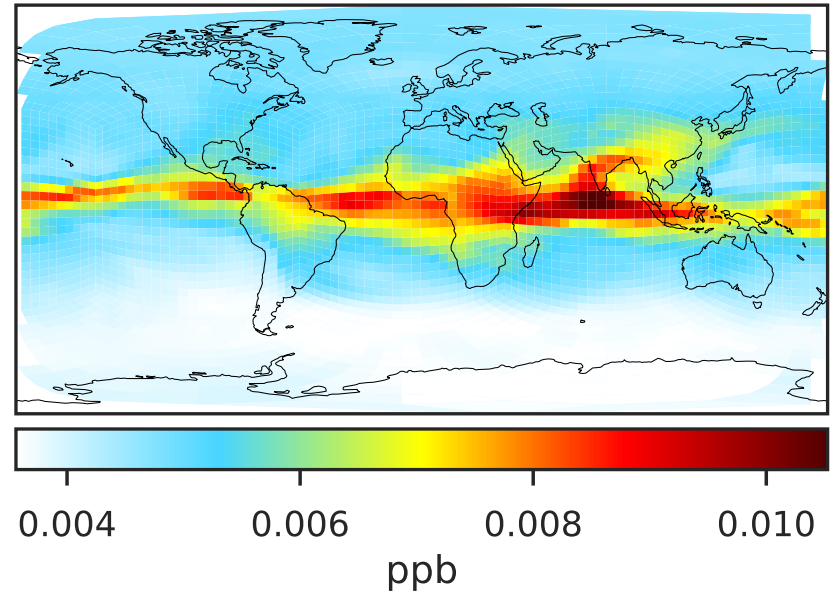
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_MENO3 (Oct2019)

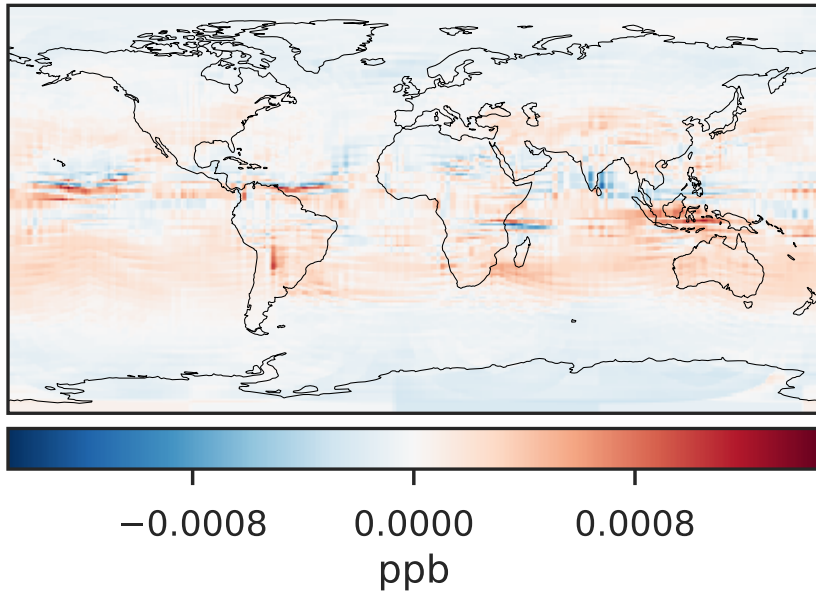
14.3.0-rc.0 (Ref)  
4.0x5.0



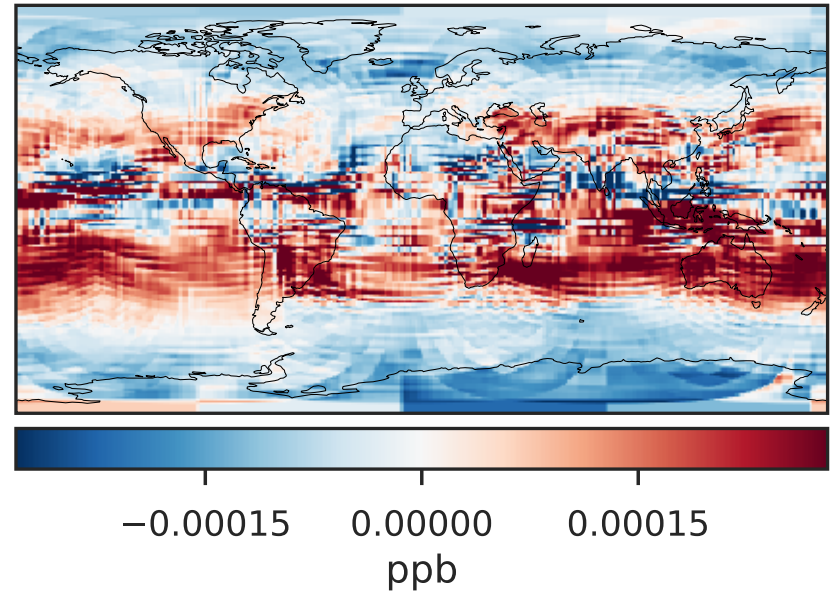
14.3.0-rc.0 (Dev)  
c24



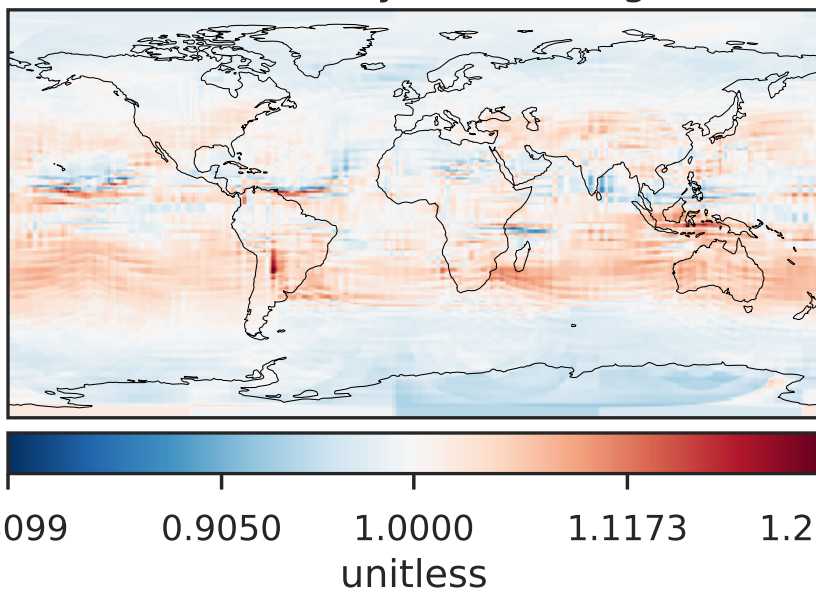
Difference (1x1.25)  
Dev - Ref, Dynamic Range



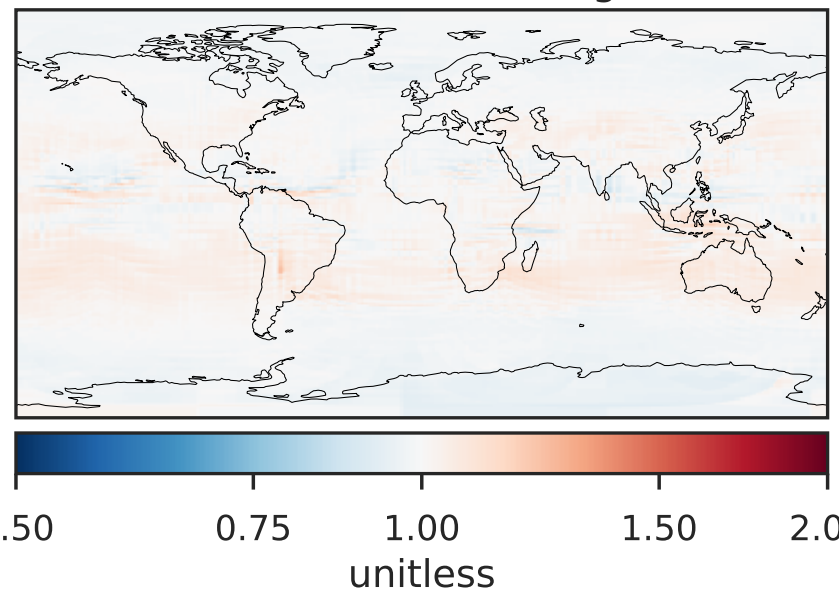
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



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

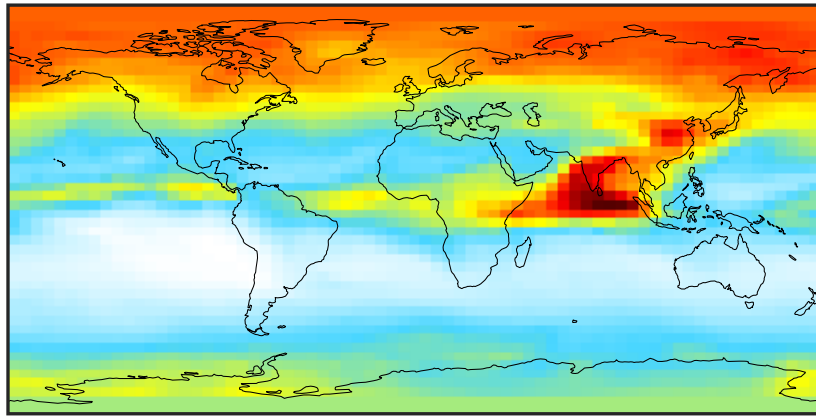


0.8099 0.9050 1.0000 1.1173 1.2347  
unitless

0.50 0.75 1.00 1.50 2.00  
unitless

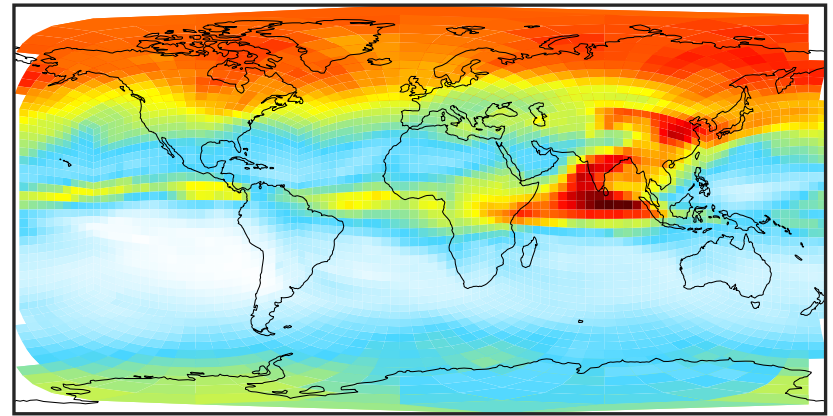
# SpeciesConcVV\_ETNO3 (Oct2019)

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



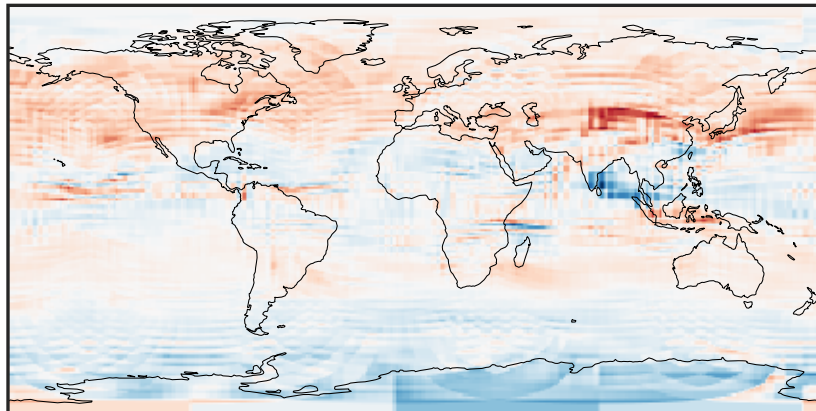
0.0008 0.0016 0.0024 0.0032  
ppb

14.3.0-rc.0 (Dev)  
c24



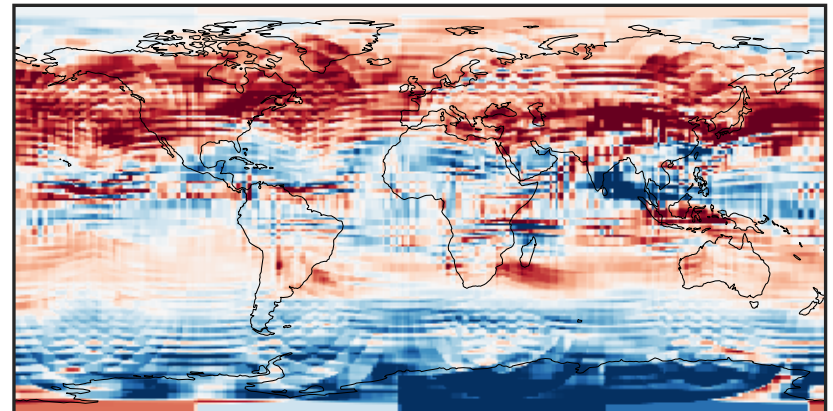
0.0008 0.0016 0.0024 0.0032  
ppb

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



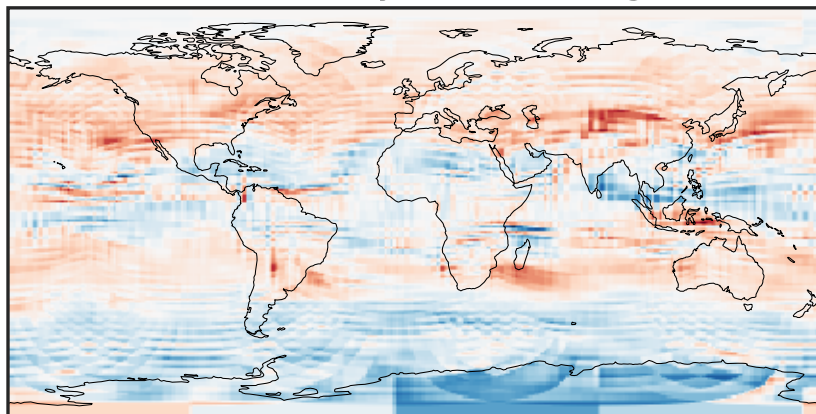
-0.0003 0.0000 0.0003  
ppb

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



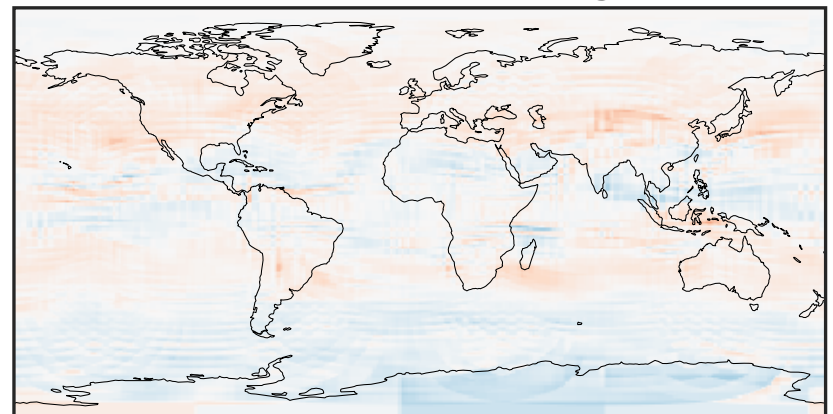
-0.0001 0.0000 0.0001  
ppb

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



0.7636 0.8818 1.0000 1.1548 1.3095  
unitless

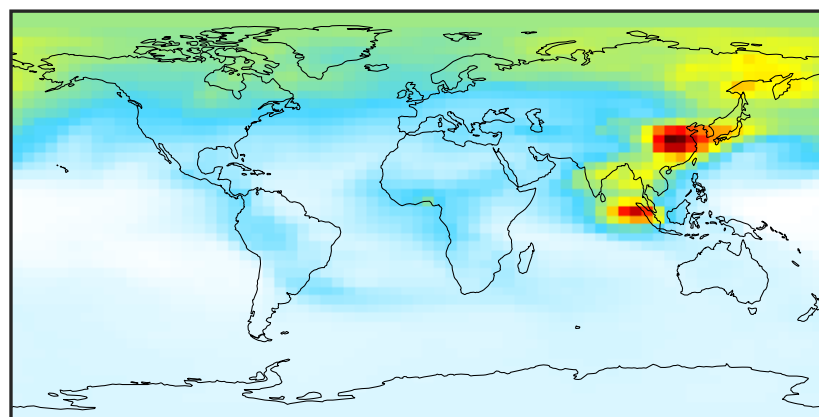
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

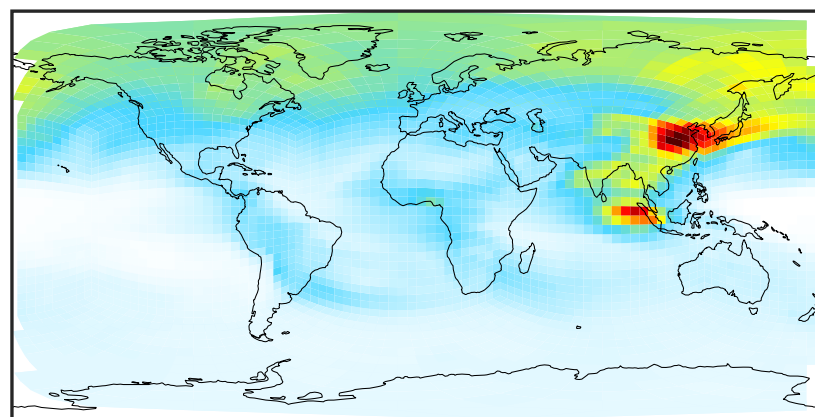
# SpeciesConcVV\_IPRNO3 (Oct2019)

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



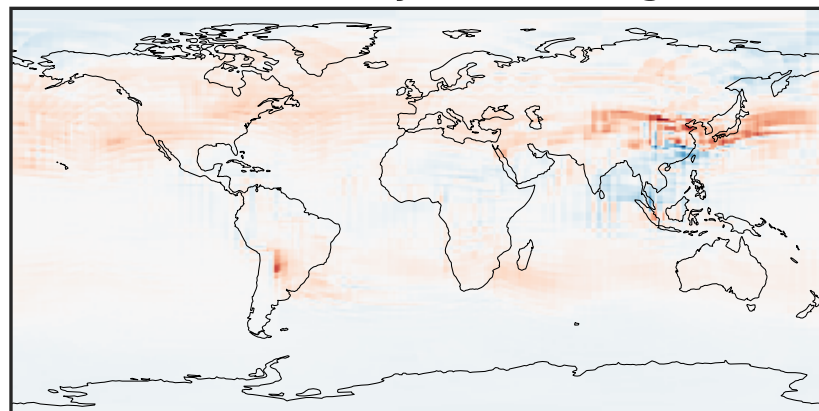
0.005 0.010 0.015  
ppb

14.3.0-rc.0 (Dev)  
c24



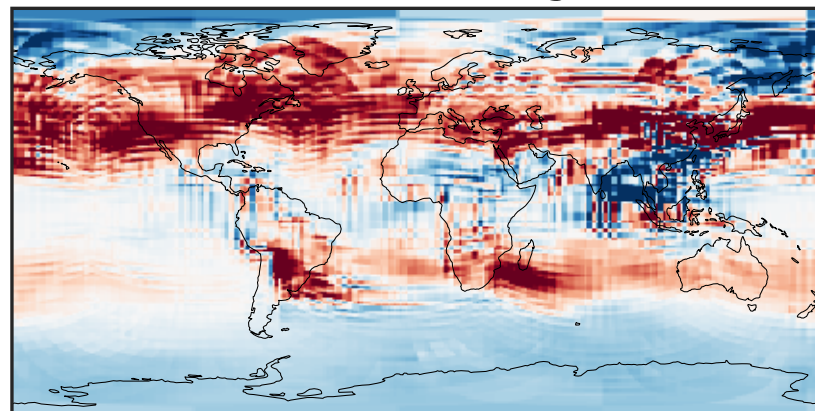
0.005 0.010 0.015  
ppb

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



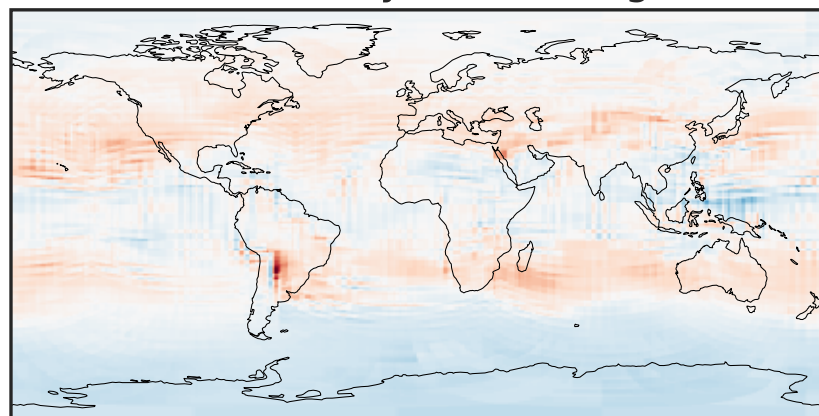
-0.0025 0.0000 0.0025  
ppb

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



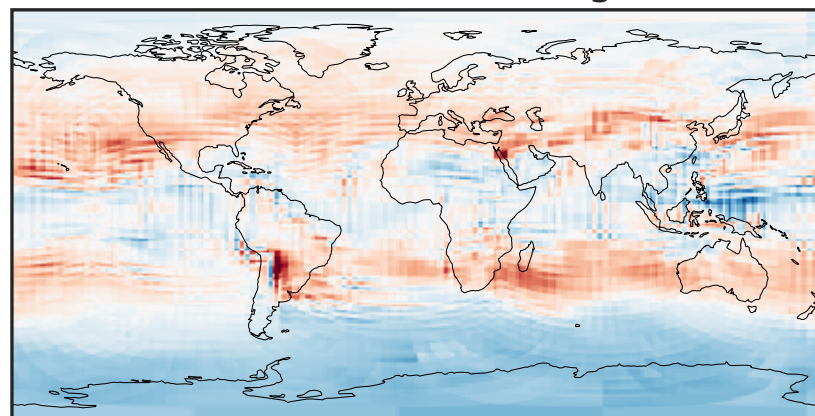
-0.0004 0.0000 0.0004  
ppb

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



0.281 0.641 1.000 2.279 3.558  
unitless

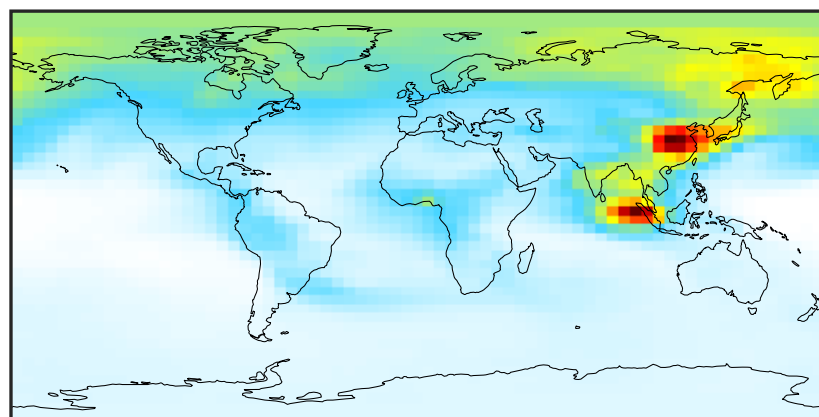
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

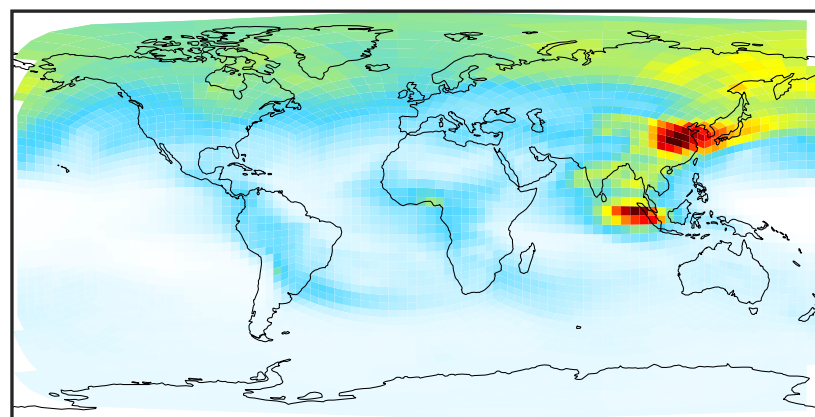
# SpeciesConcVV\_NPRNO3 (Oct2019)

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



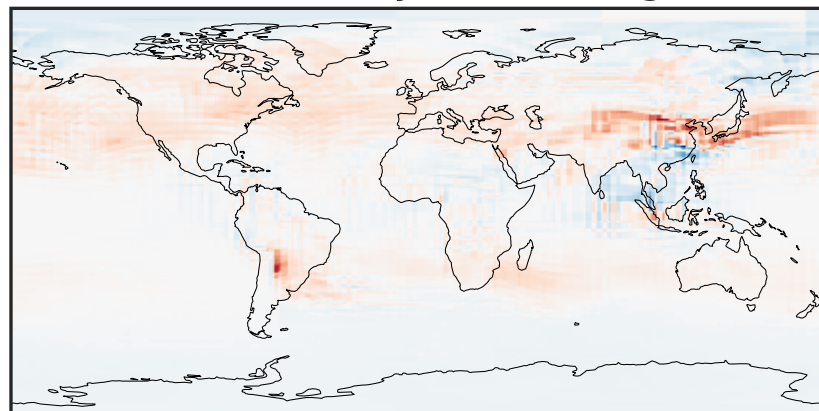
0.001 0.002 0.003  
ppb

14.3.0-rc.0 (Dev)  
c24



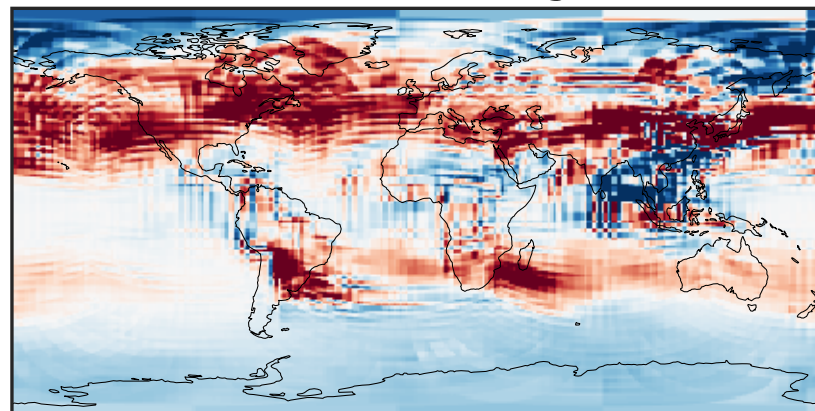
0.001 0.002 0.003  
ppb

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



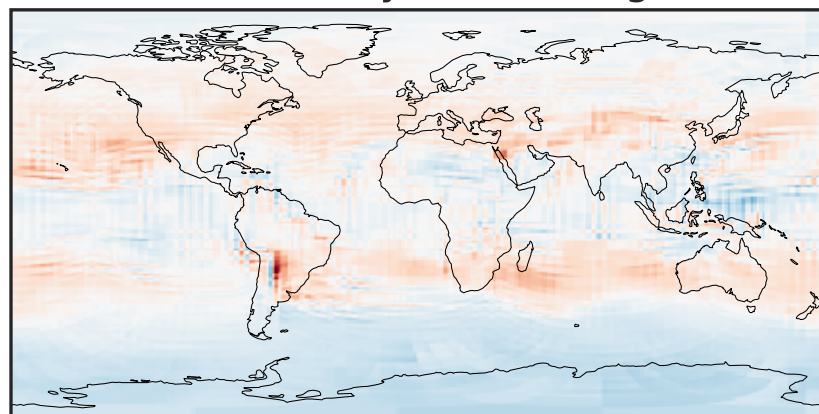
-0.0006 0.0000 0.0006  
ppb

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



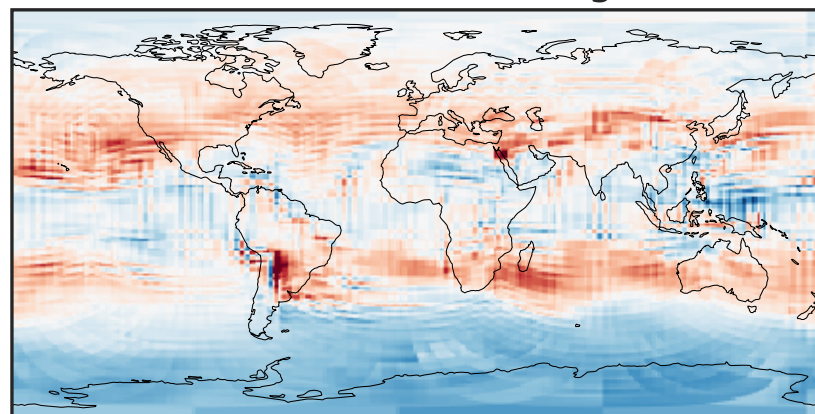
-8 0 8  
ppb  $1e-5$

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



0.244 0.622 1.000 2.553 4.106  
unitless

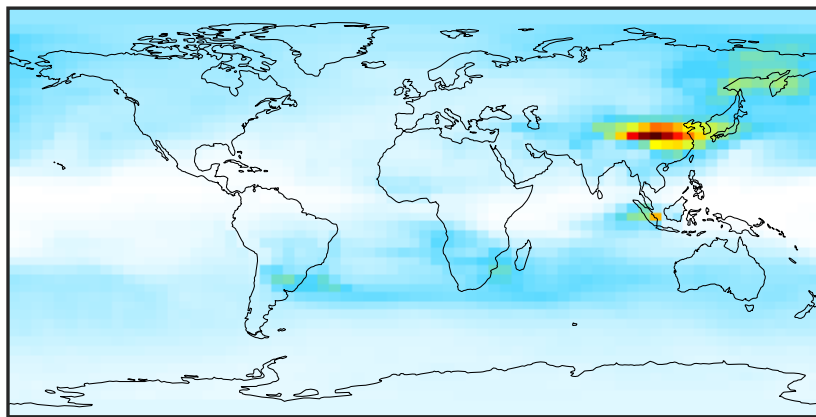
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

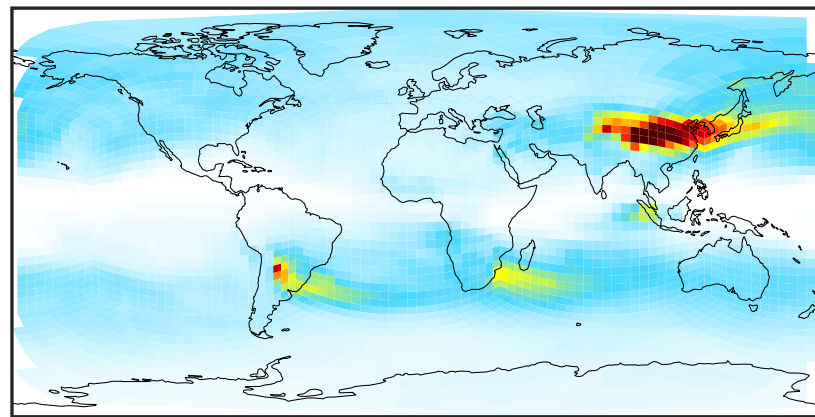
# SpeciesConcVV\_AONITA (Oct2019)

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



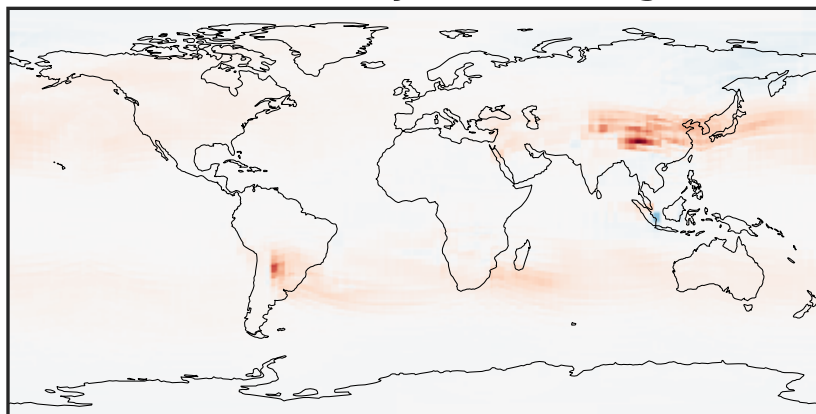
0.0015 0.0030 0.0045  
ppb

14.3.0-rc.0 (Dev)  
c24



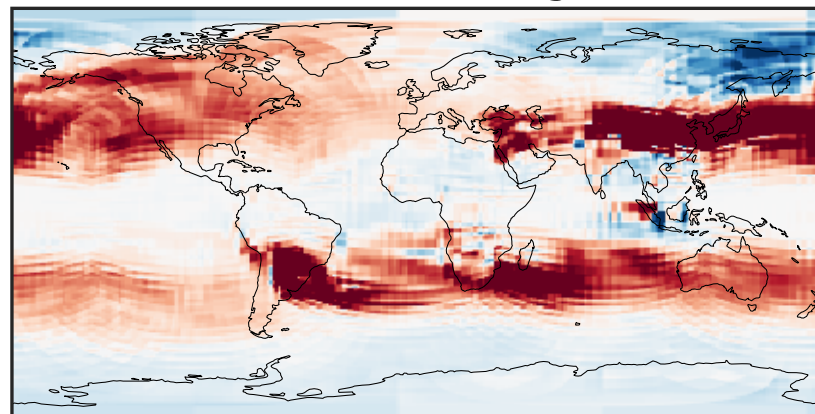
0.0015 0.0030 0.0045  
ppb

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



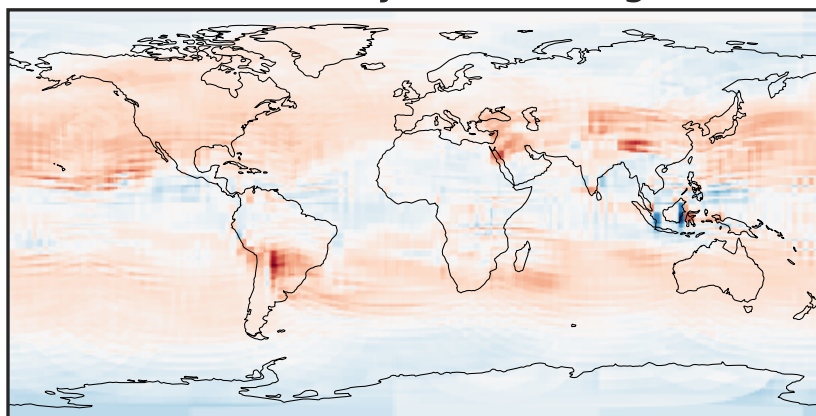
-0.004 0.000 0.004  
ppb

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



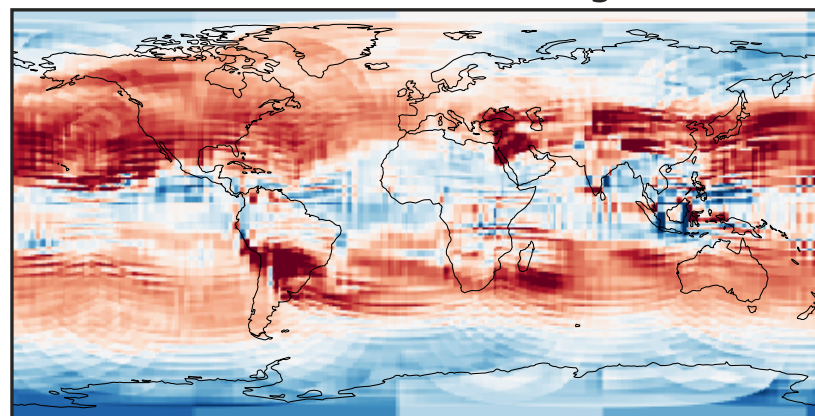
-0.0003 0.0000 0.0003  
ppb

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



0.114 0.557 1.000 4.901 8.802  
unitless

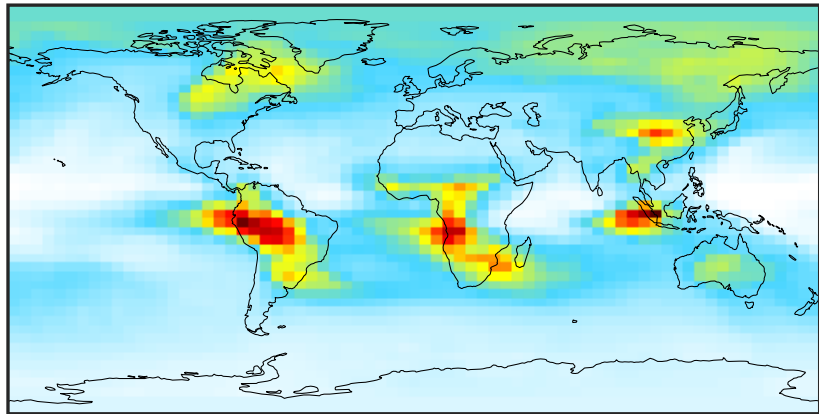
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

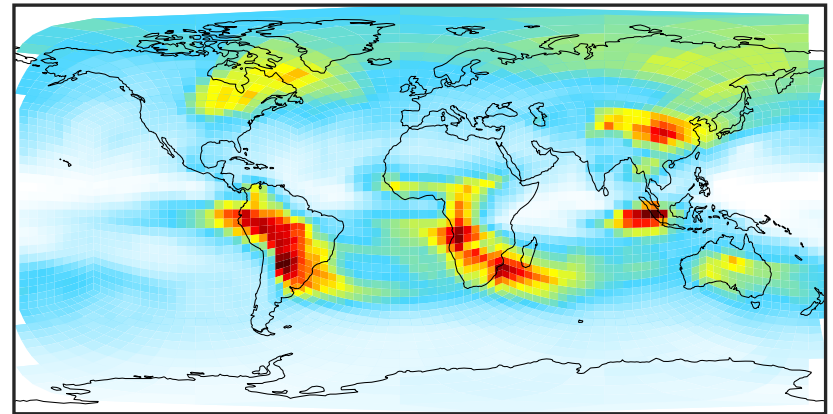
# SpeciesConcVV\_ETHN (Oct2019)

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



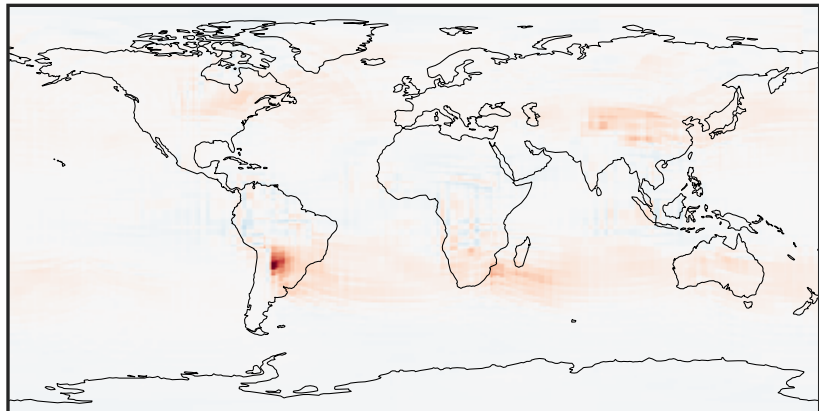
0.00015 0.00030 0.00045  
ppb

14.3.0-rc.0 (Dev)  
c24



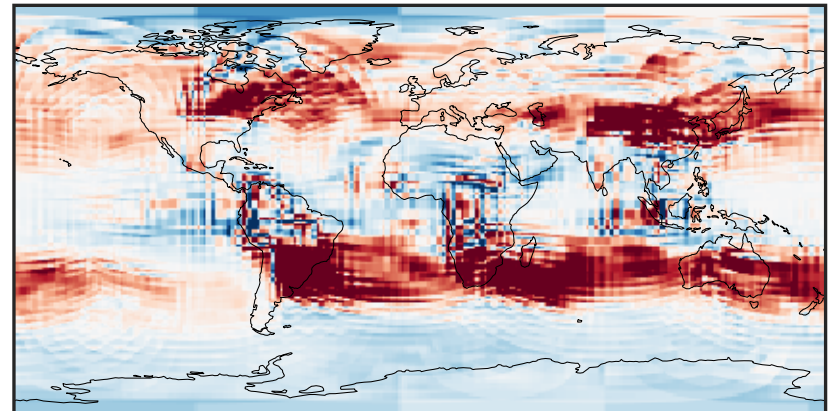
0.00015 0.00030 0.00045  
ppb

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



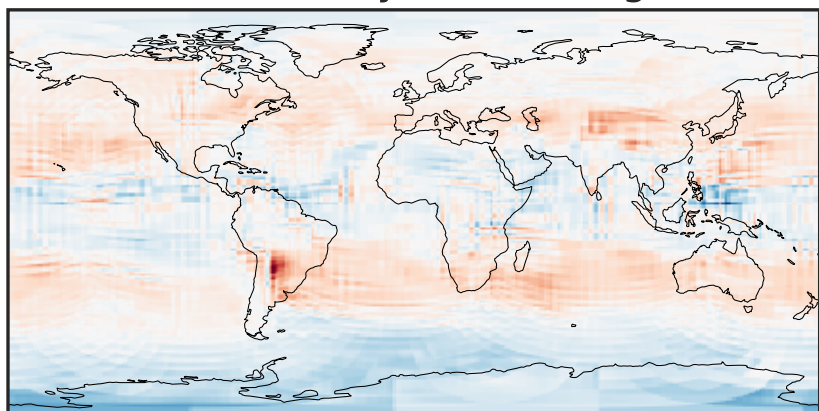
-0.00025 0.00000 0.00025  
ppb

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



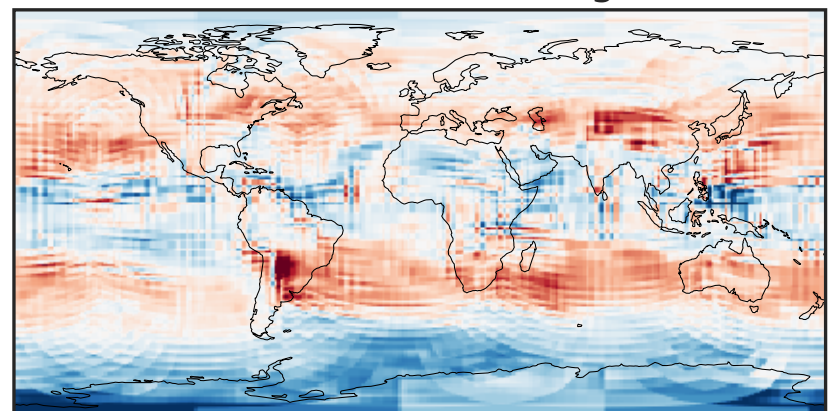
-2 0 2  
ppb  $1e-5$

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



0.234 0.617 1.000 2.638 4.276  
unitless

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

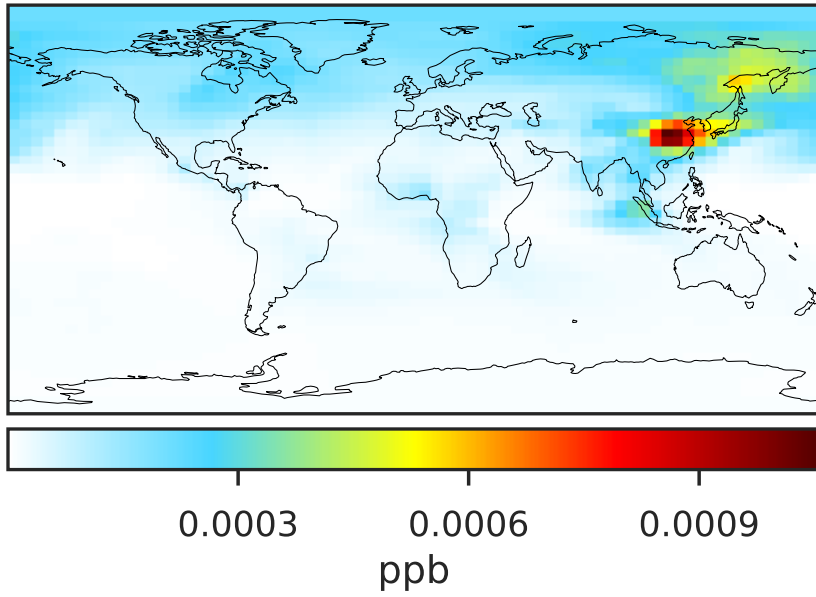


0.50 0.75 1.00 1.50 2.00  
unitless

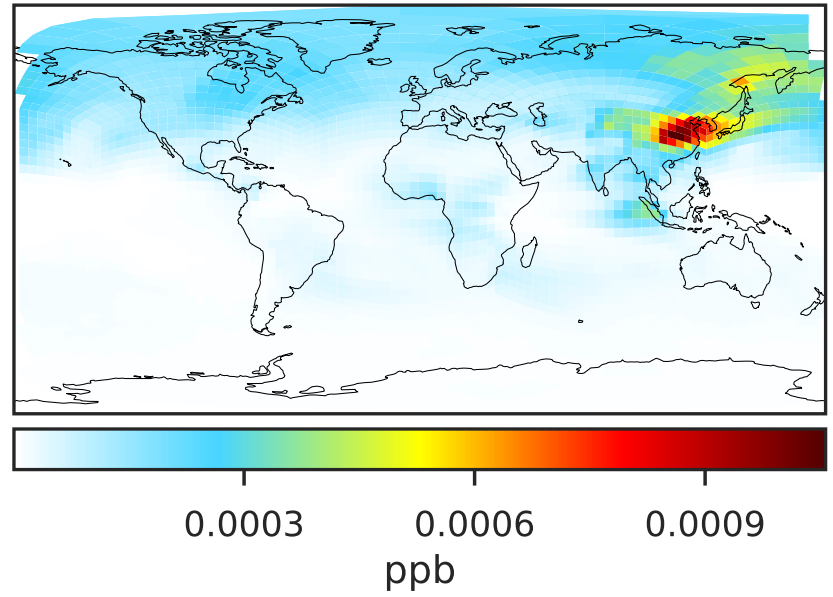


# SpeciesConcVV\_BZPAN (Oct2019)

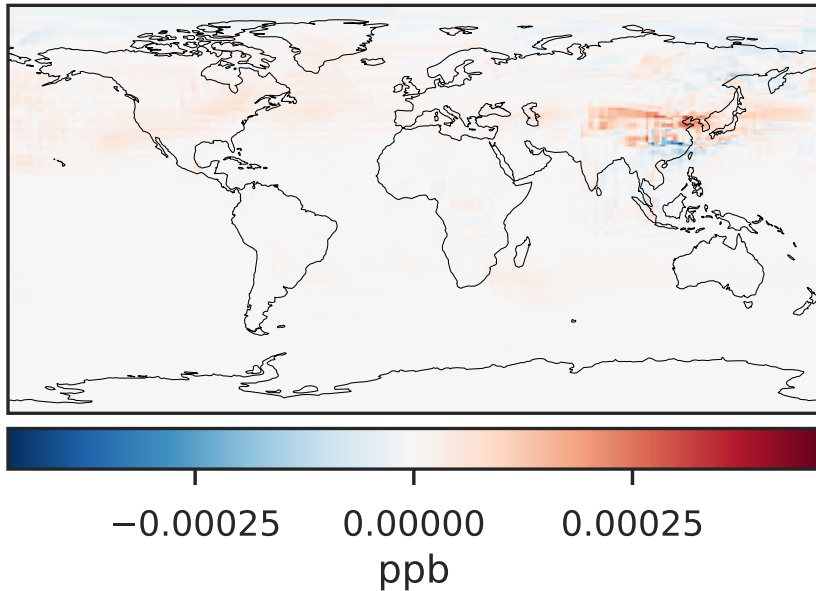
14.3.0-rc.0 (Ref)  
4.0x5.0



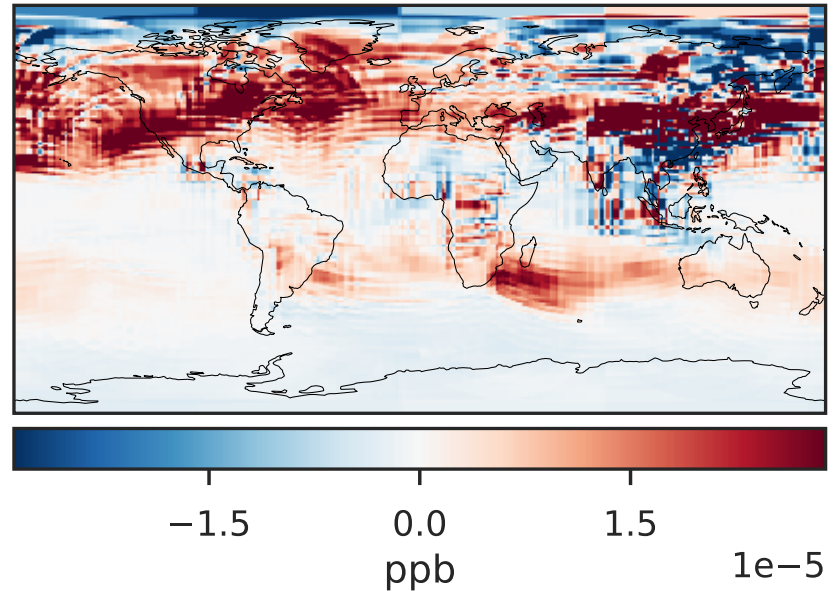
14.3.0-rc.0 (Dev)  
c24



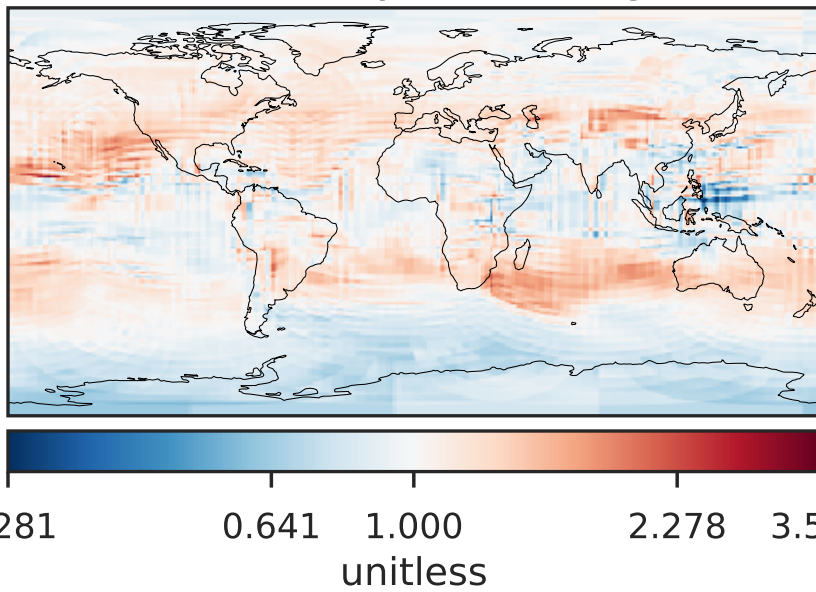
Difference (1x1.25)  
Dev - Ref, Dynamic Range



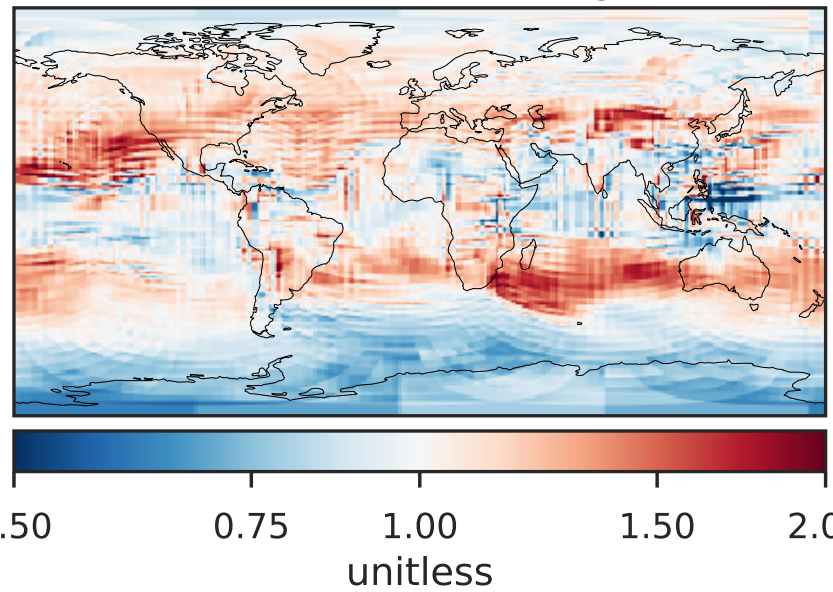
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

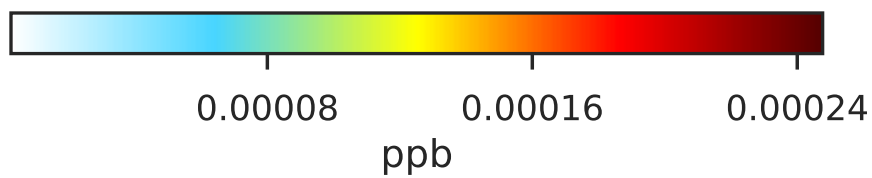
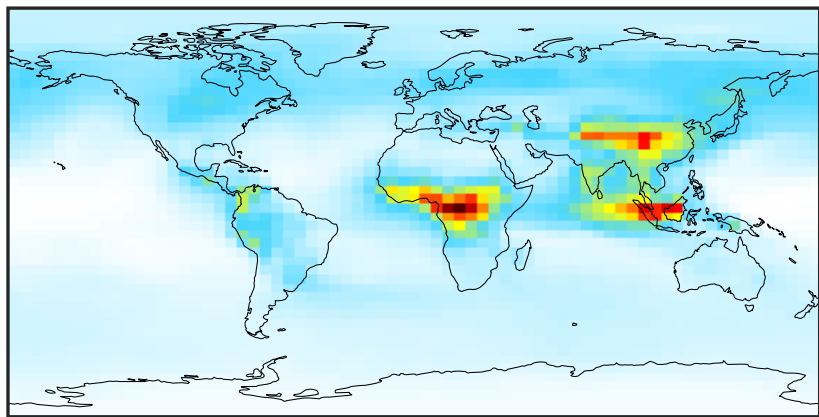


Ratio (1x1.25)  
Dev/Ref, Fixed Range

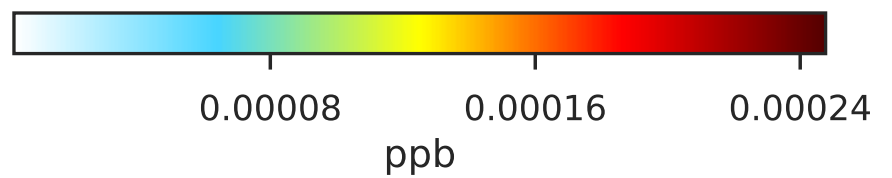
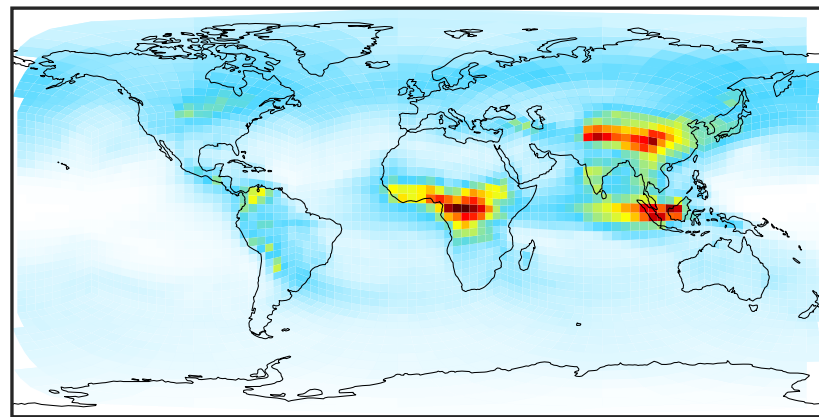


# SpeciesConcVV\_NPHEN (Oct2019)

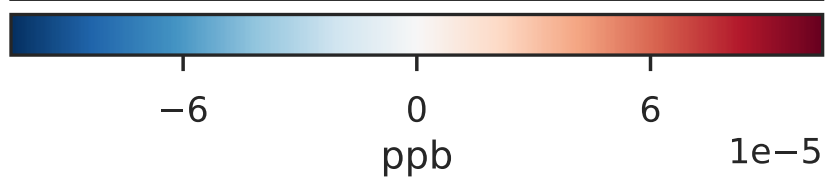
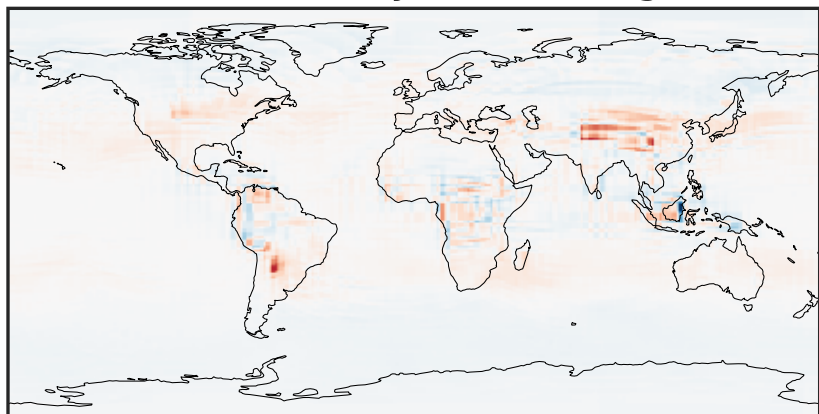
14.3.0-rc.0 (Ref)  
4.0x5.0



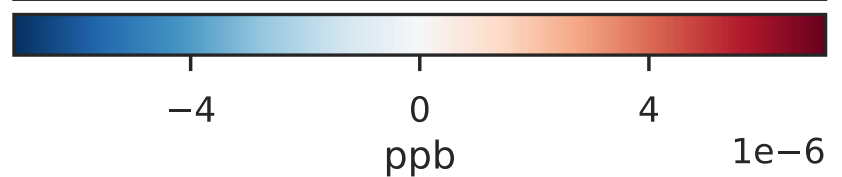
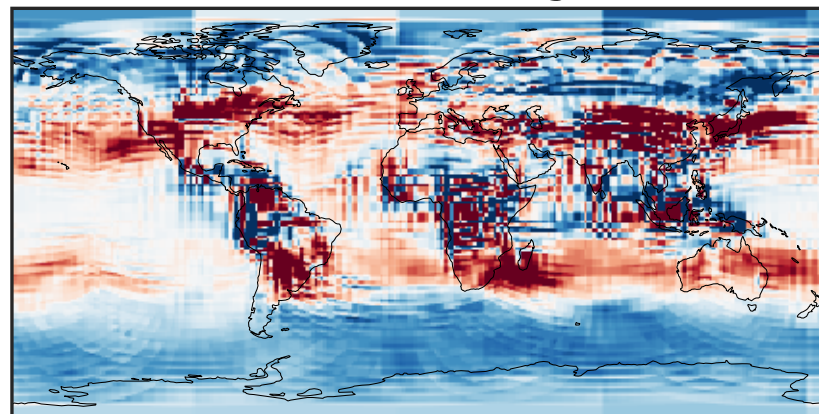
14.3.0-rc.0 (Dev)  
c24



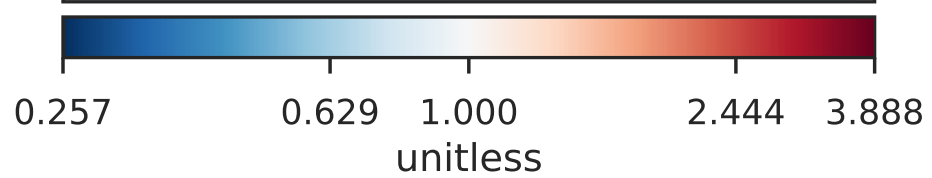
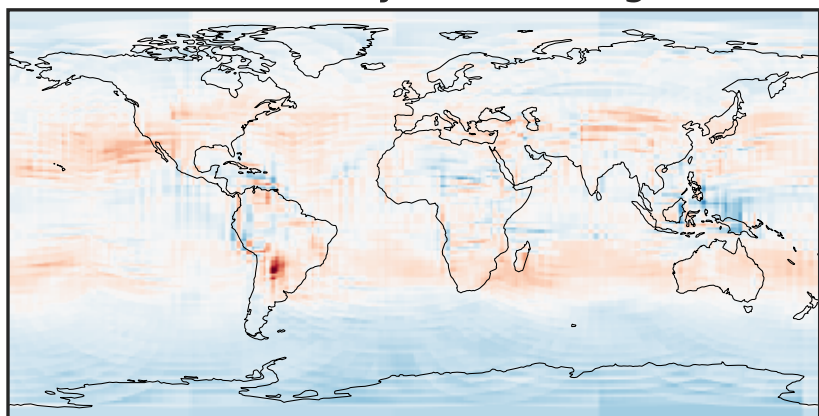
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



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

