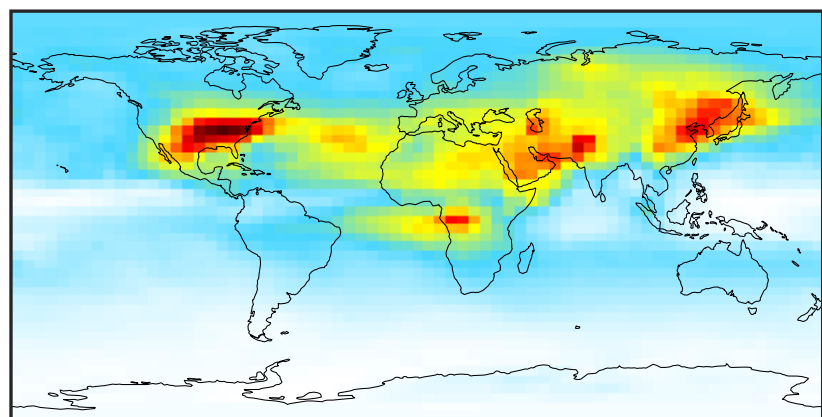


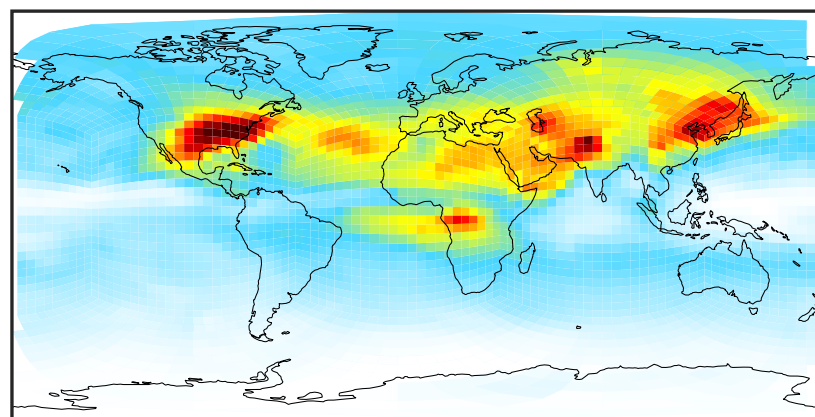
SpeciesConcVV_NOy (Jul2019)

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



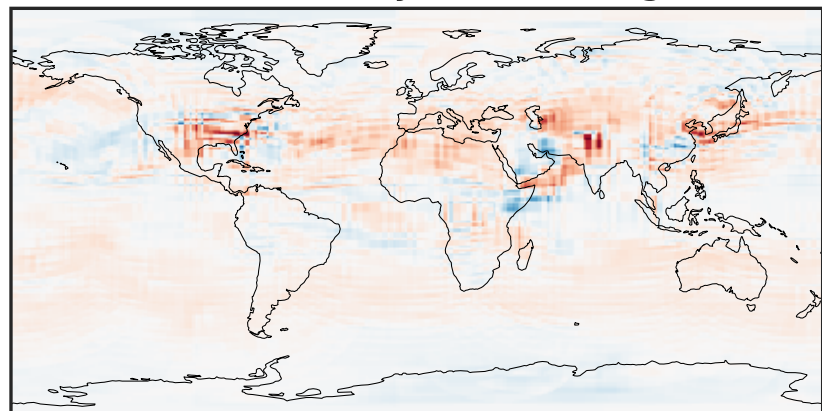
0.042 0.378 0.715 1.052 1.388
ppb

14.3.0-rc.0 (Dev)
c24



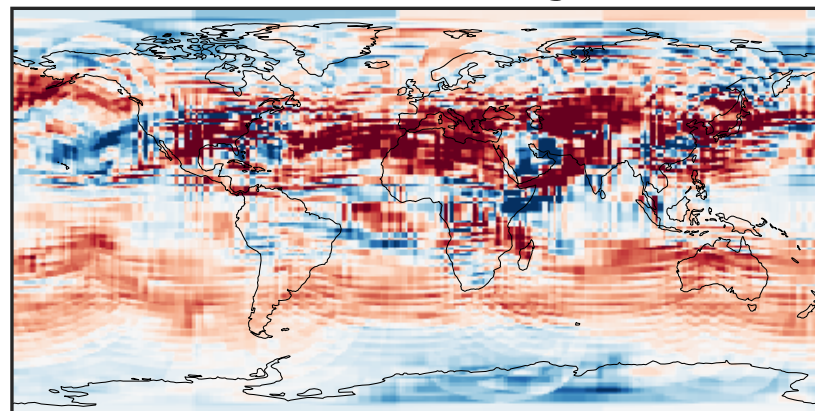
0.042 0.378 0.715 1.052 1.388
ppb

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



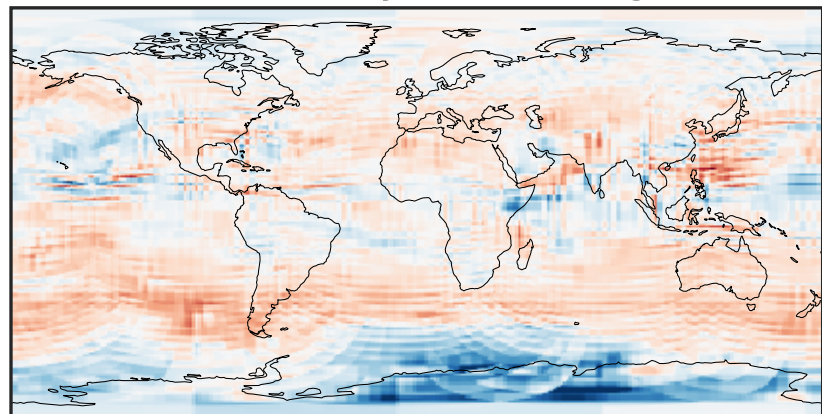
-0.3356 -0.1678 0.0000 0.1678 0.3356
ppb

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



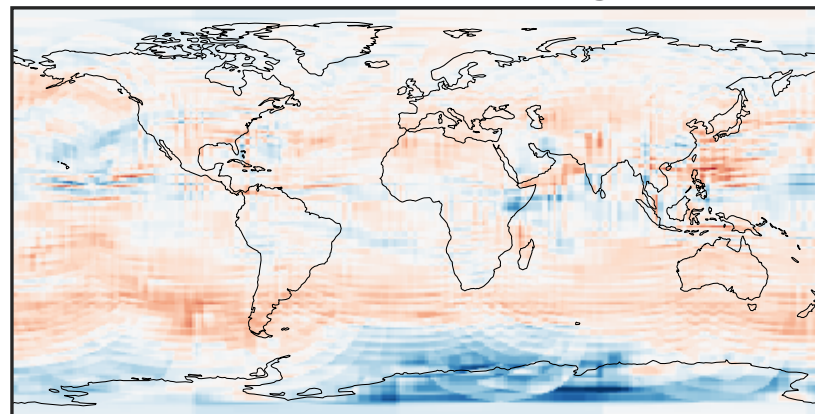
-0.0602 -0.0301 0.0000 0.0301 0.0602
ppb

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



0.559 0.779 1.000 1.395 1.790
unitless

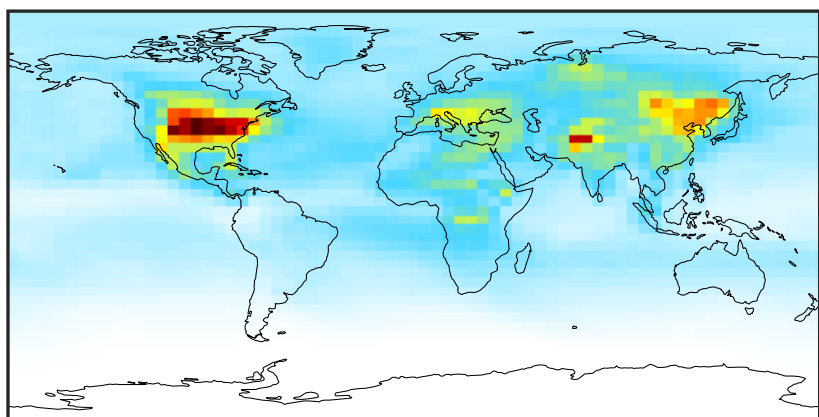
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

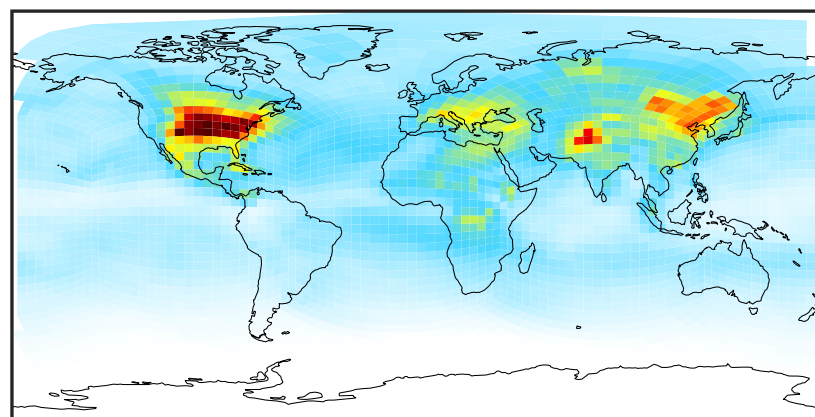
SpeciesConcVV_NOx (Jul2019)

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



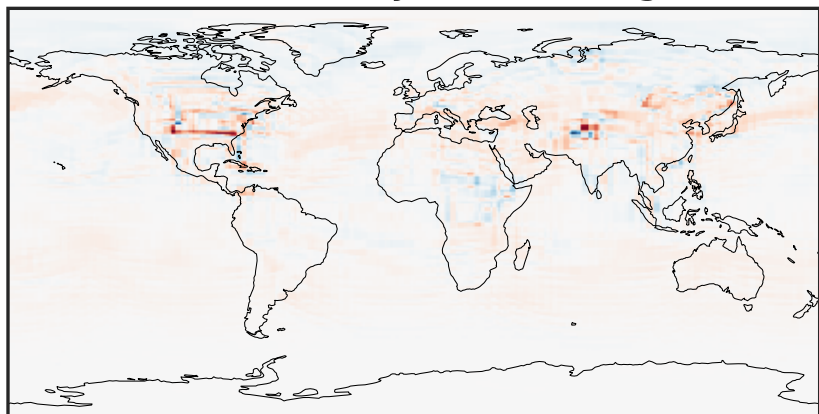
0.0002 0.0699 0.1395 0.2092 0.2788
ppb

14.3.0-rc.0 (Dev)
c24



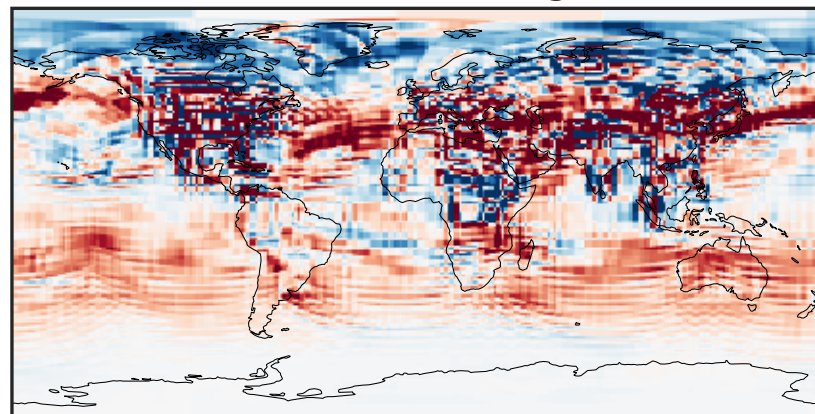
0.0002 0.0699 0.1395 0.2092 0.2788
ppb

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



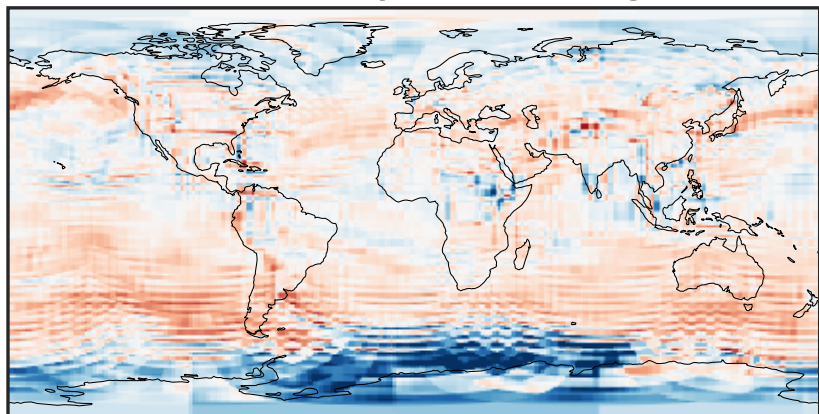
-0.1027 -0.0513 0.0000 0.0513 0.1027
ppb

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



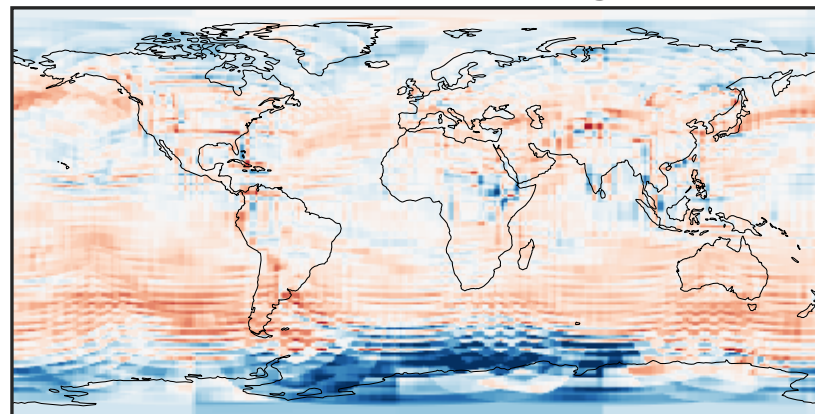
-0.005 0.000 0.005
ppb

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



0.510 0.755 1.000 1.480 1.959
unitless

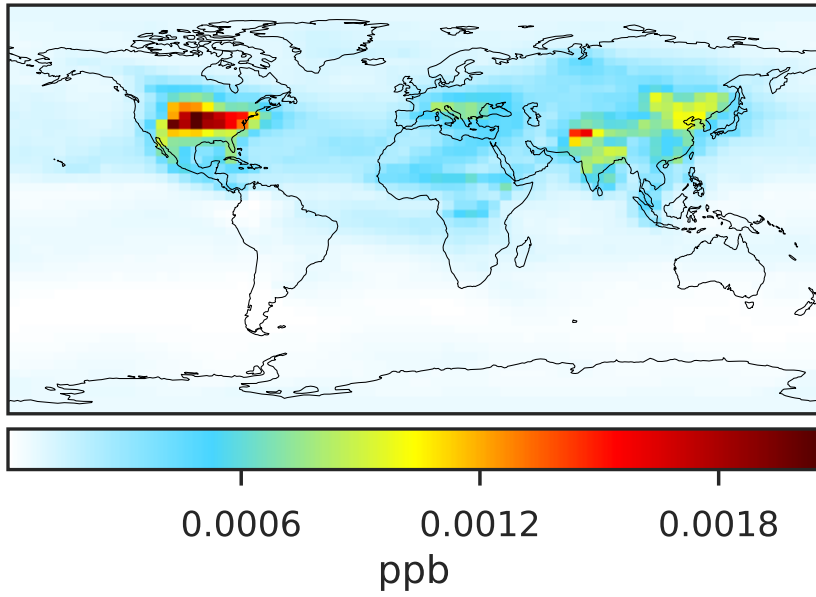
Ratio (1x1.25)
Dev/Ref, Fixed Range



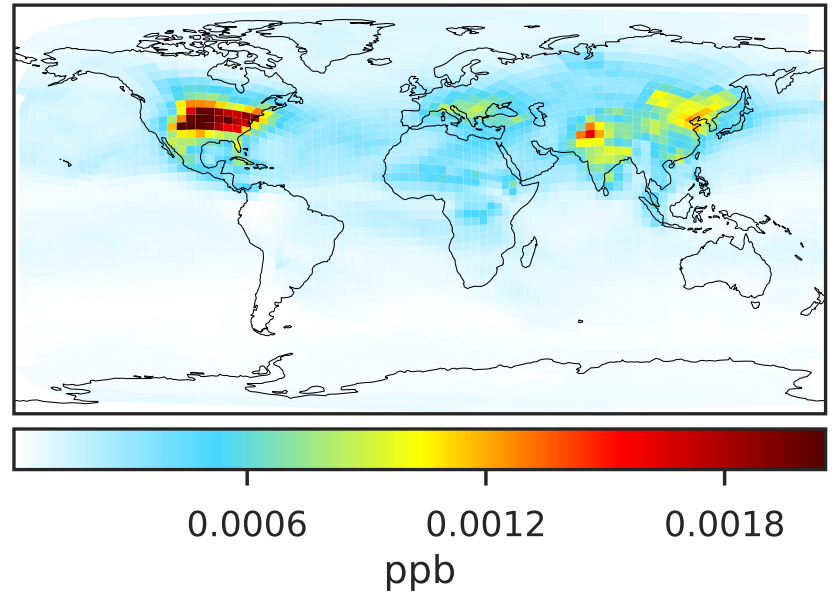
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO2 (Jul2019)

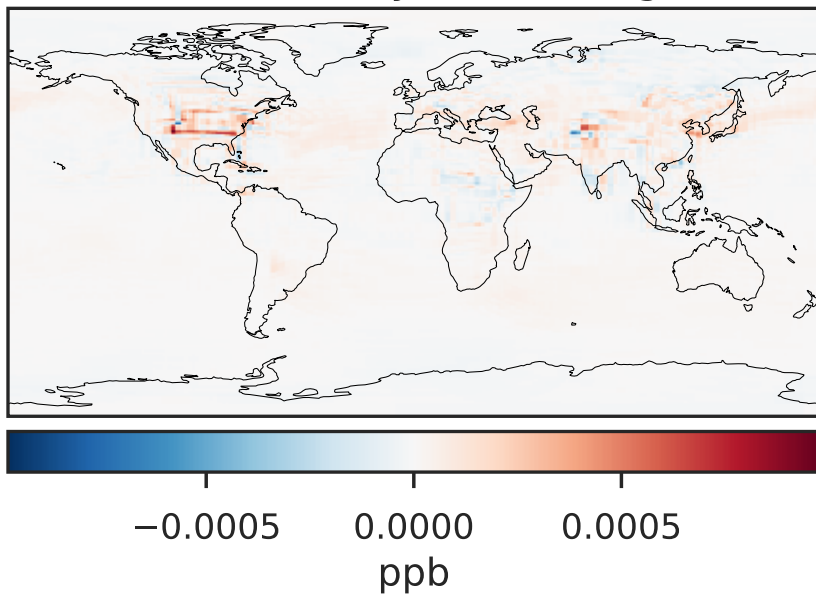
14.3.0-rc.0 (Ref)
4.0x5.0



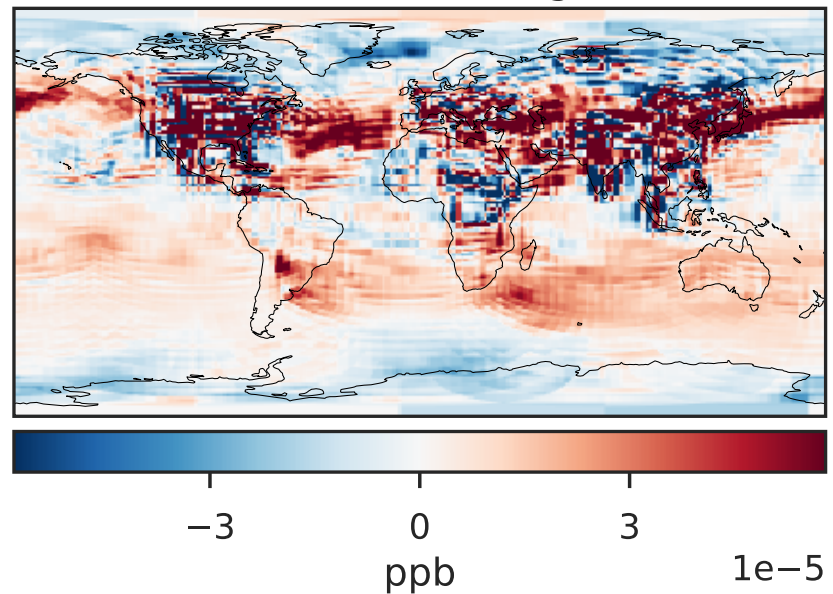
14.3.0-rc.0 (Dev)
c24



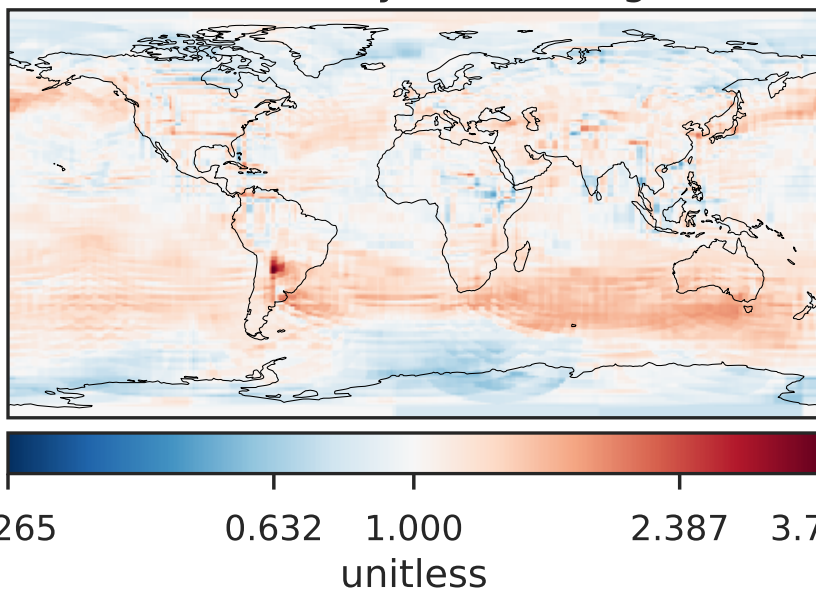
Difference (1x1.25)
Dev - Ref, Dynamic Range



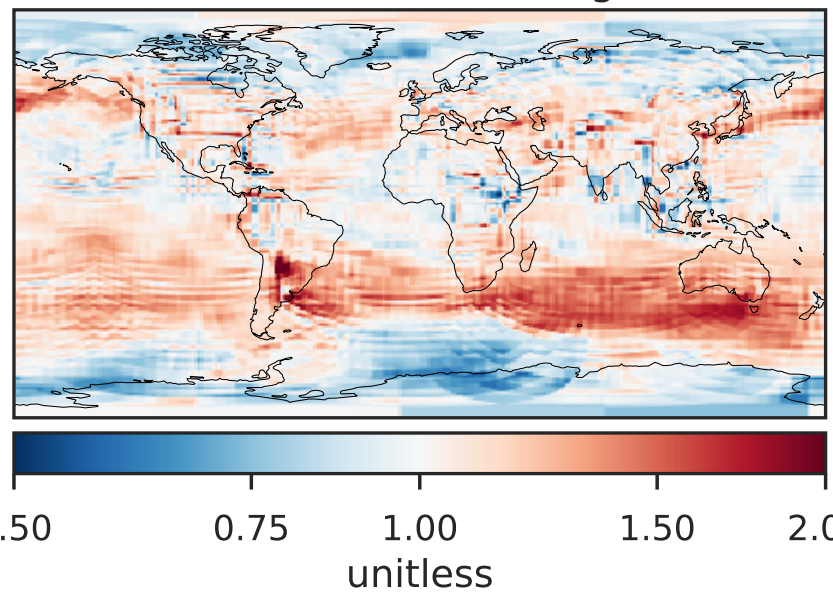
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

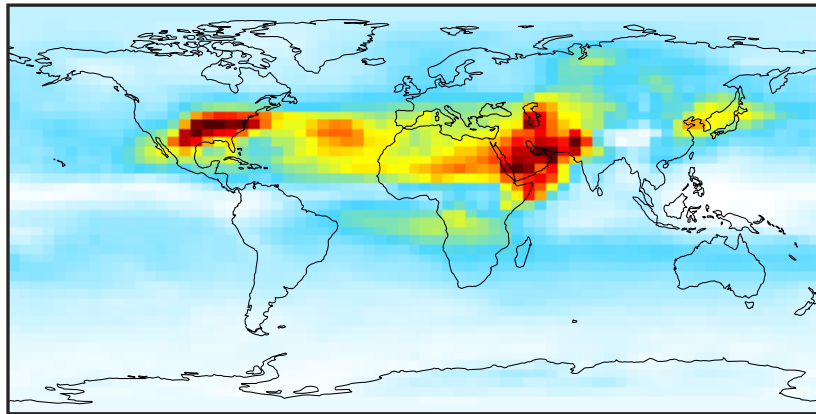


Ratio (1x1.25)
Dev/Ref, Fixed Range



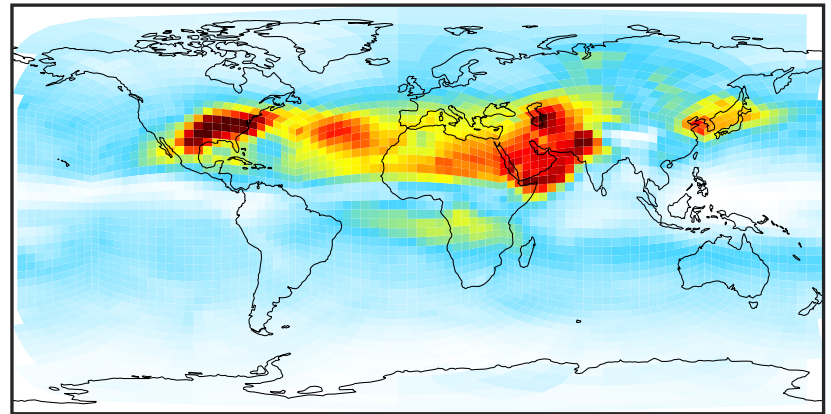
SpeciesConcVV_HNO3 (Jul2019)

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



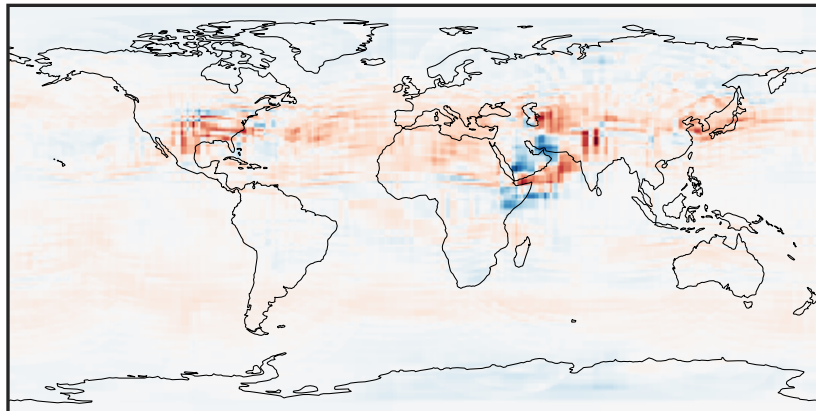
0.0067 0.1775 0.3482 0.5190 0.6897
ppb

14.3.0-rc.0 (Dev)
c24



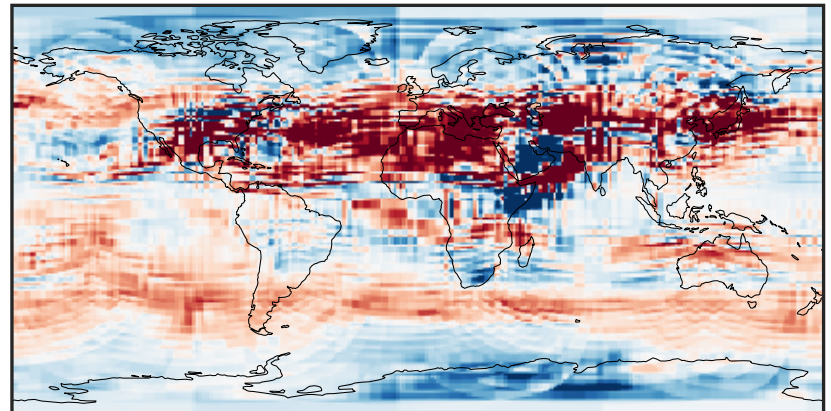
0.0067 0.1775 0.3482 0.5190 0.6897
ppb

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



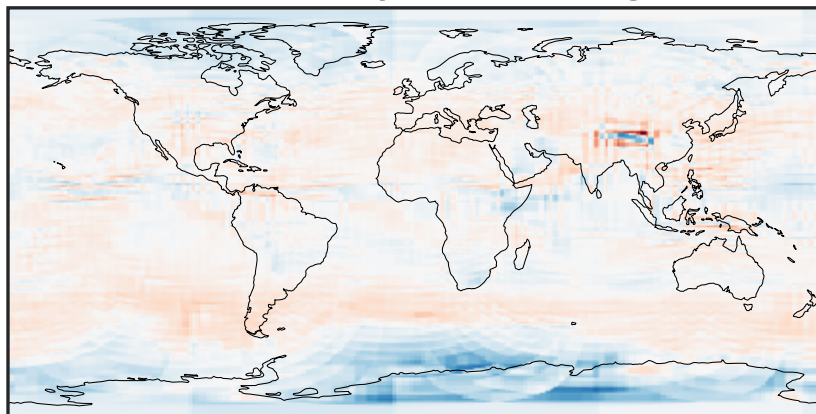
-0.2462 -0.1231 0.0000 0.1231 0.2462
ppb

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



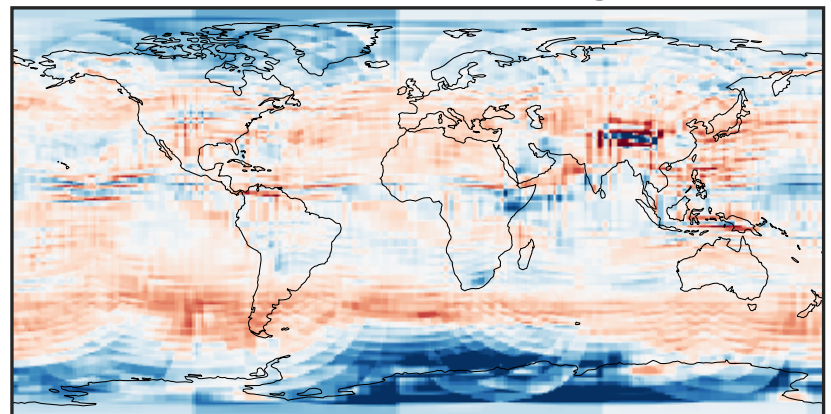
-0.02 0.00 0.02
ppb

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



0.159 0.580 1.000 3.643 6.287
unitless

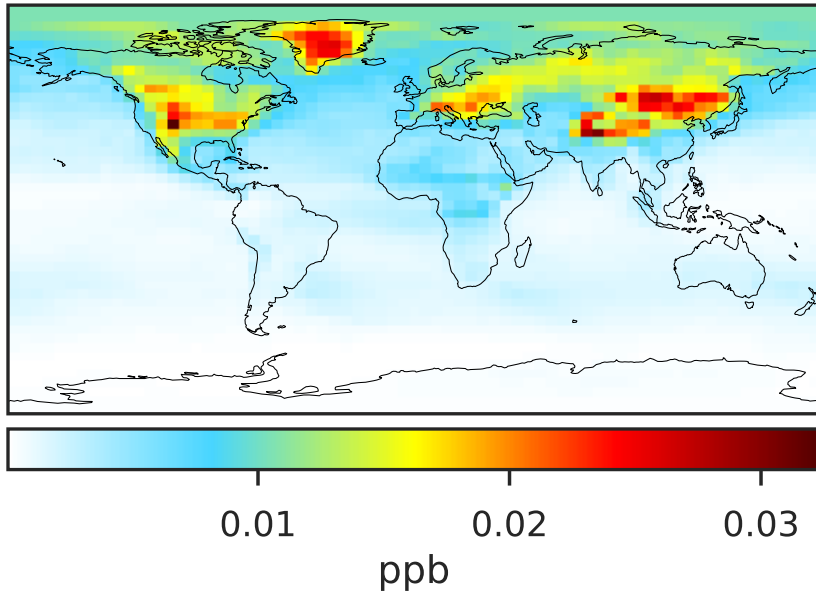
Ratio (1x1.25)
Dev/Ref, Fixed Range



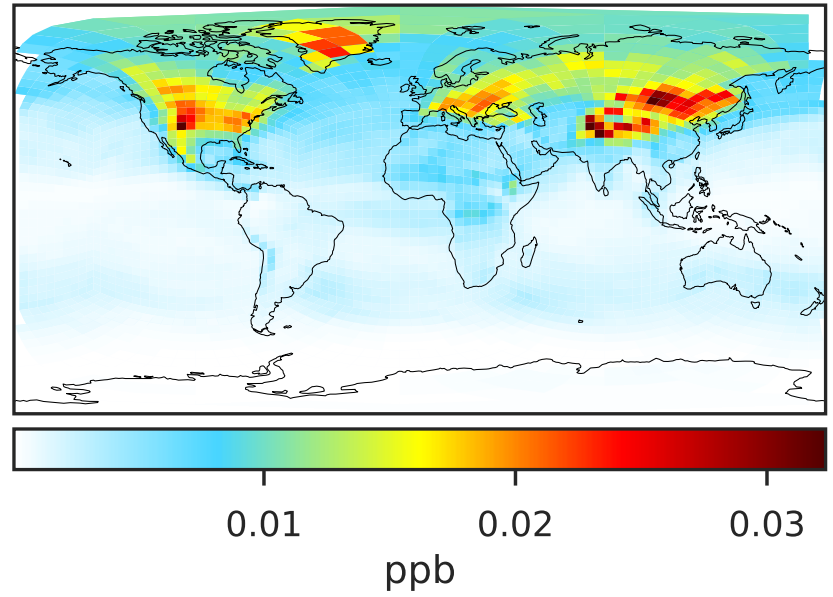
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO4 (Jul2019)

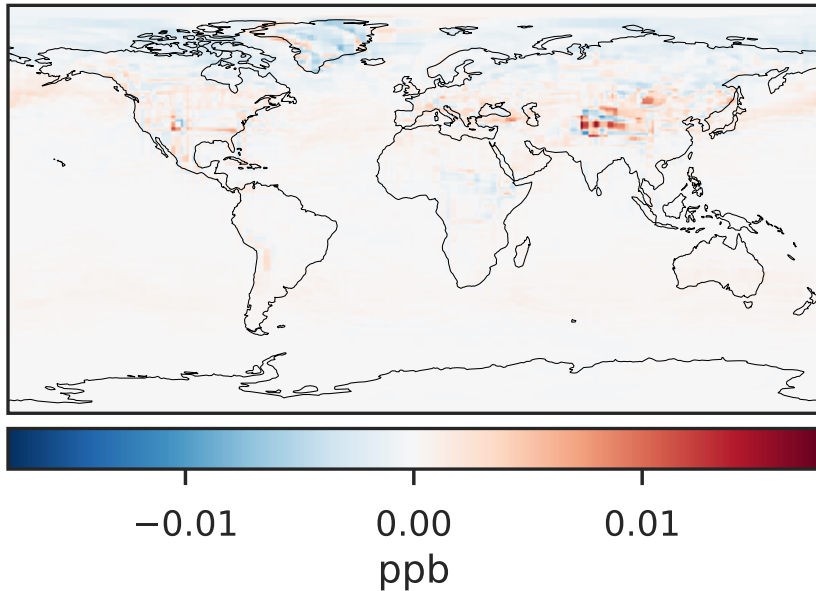
14.3.0-rc.0 (Ref)
4.0x5.0



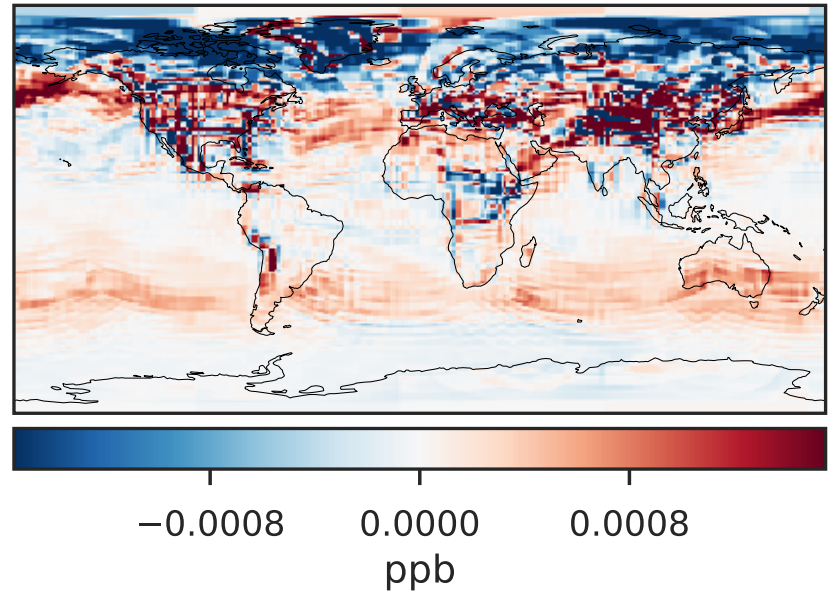
14.3.0-rc.0 (Dev)
c24



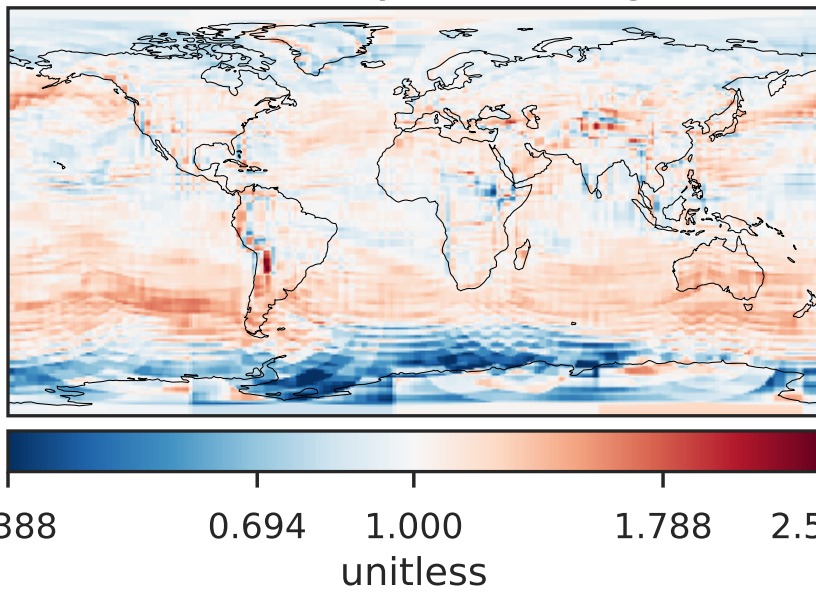
Difference (1x1.25)
Dev - Ref, Dynamic Range



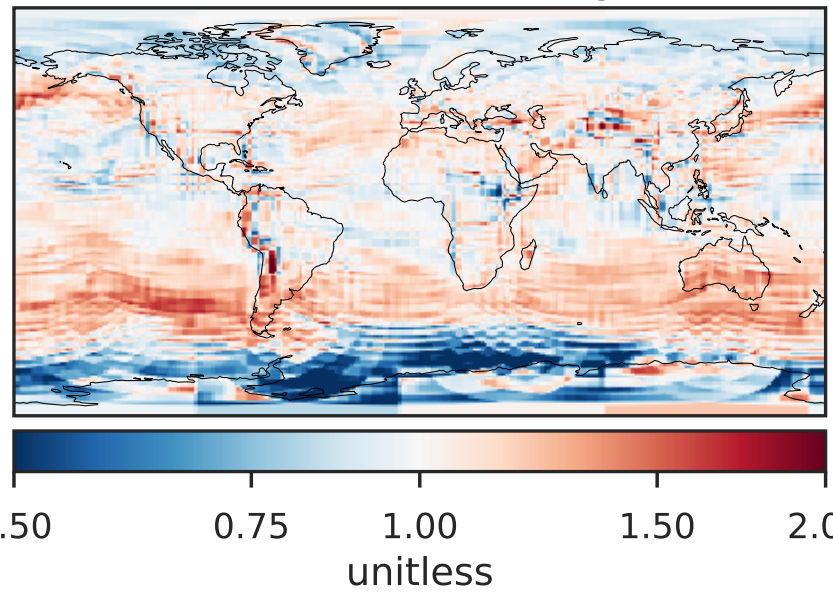
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

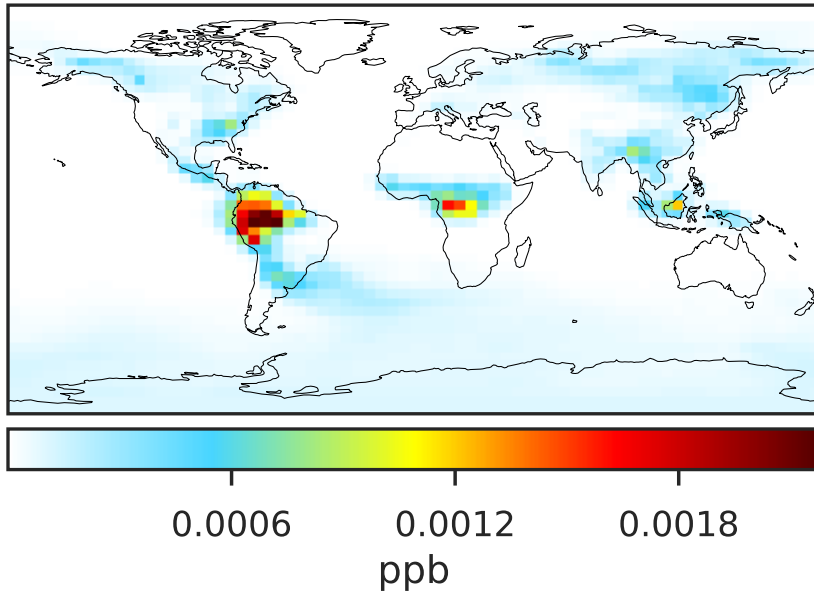


Ratio (1x1.25)
Dev/Ref, Fixed Range

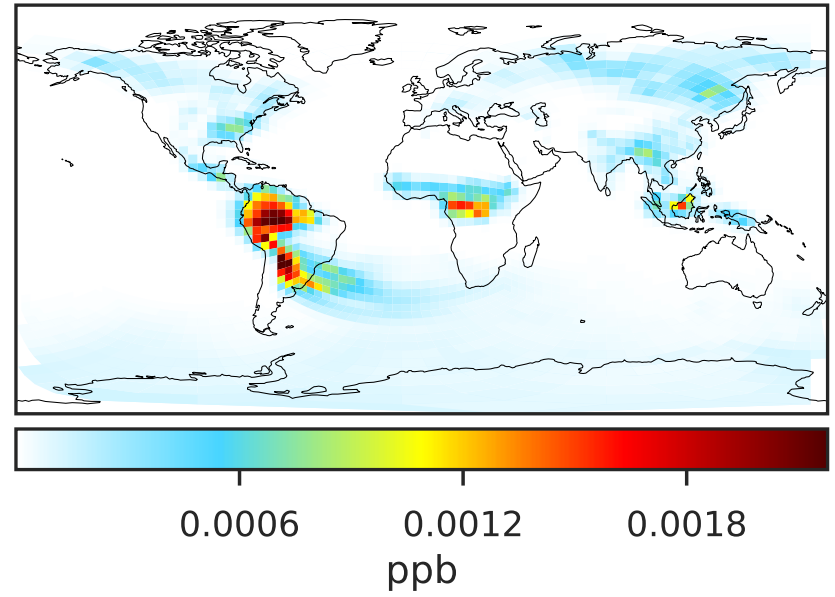


SpeciesConcVV_MPAN (Jul2019)

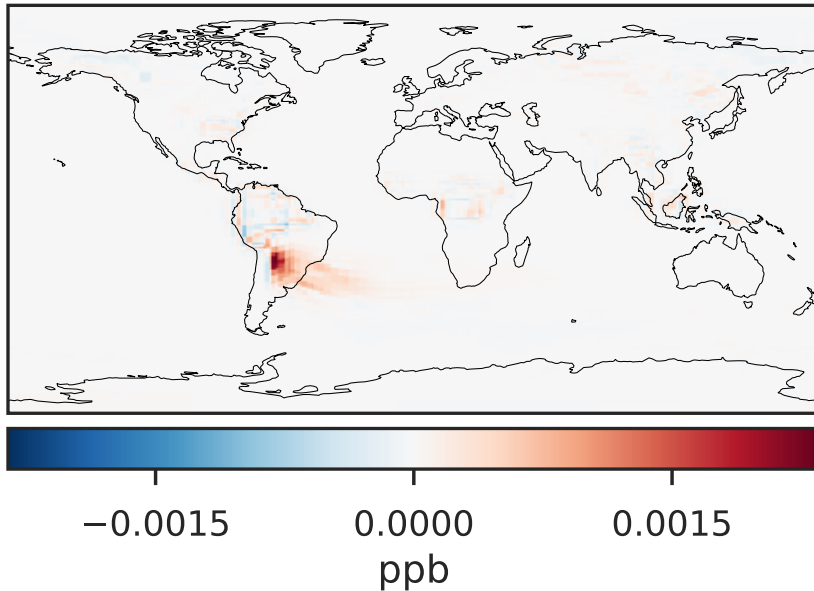
14.3.0-rc.0 (Ref)
4.0x5.0



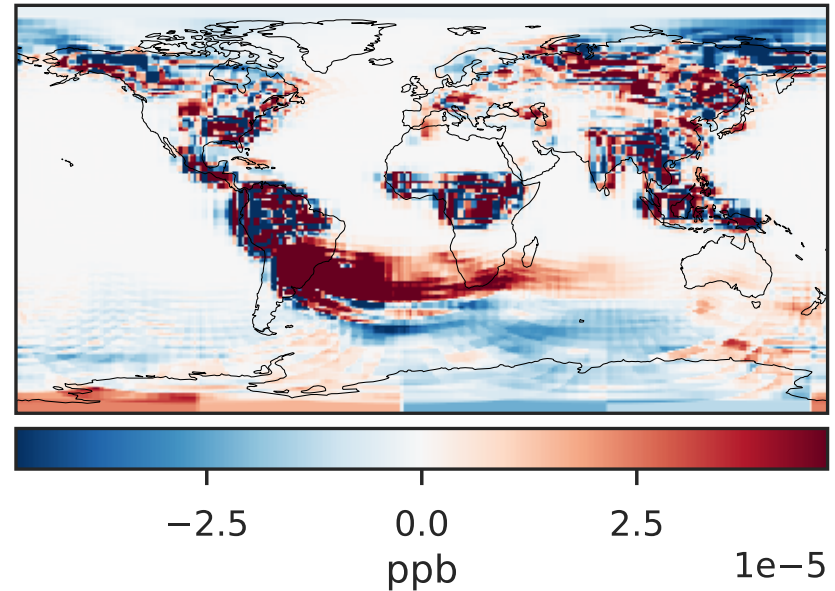
14.3.0-rc.0 (Dev)
c24



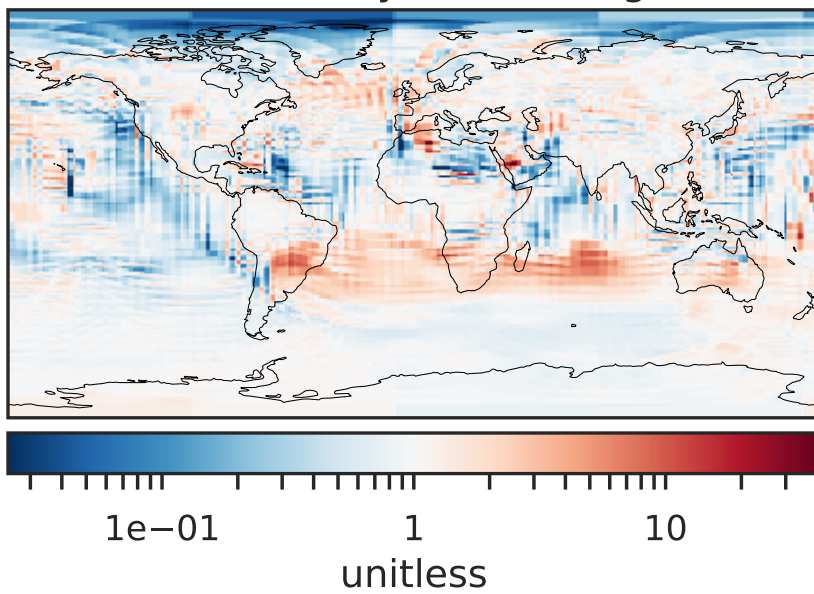
Difference (1x1.25)
Dev - Ref, Dynamic Range



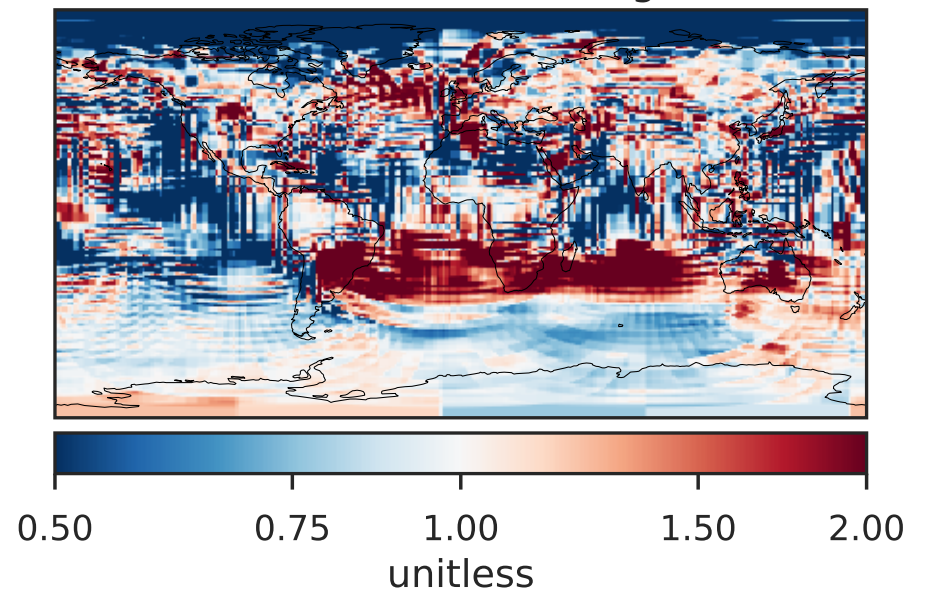
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

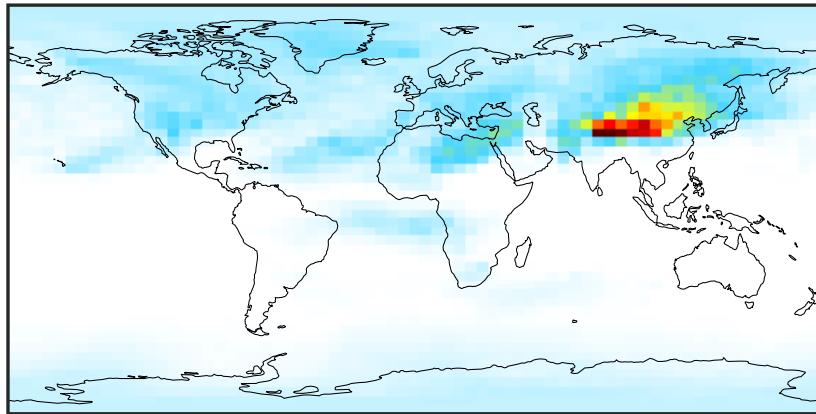


Ratio (1x1.25)
Dev/Ref, Fixed Range



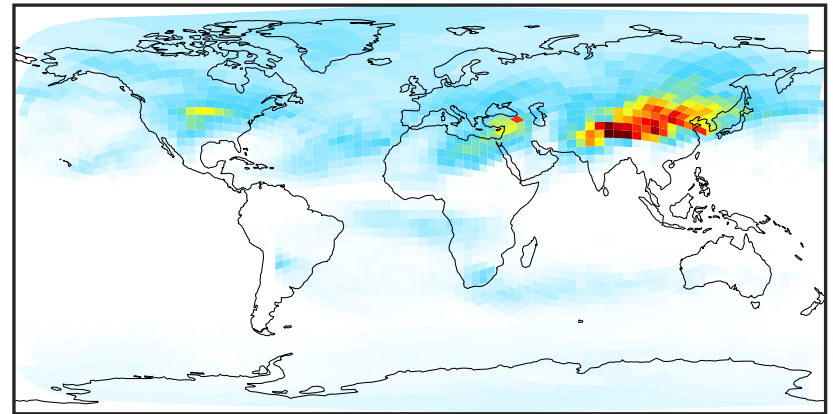
SpeciesConcVV_NIT (Jul2019)

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



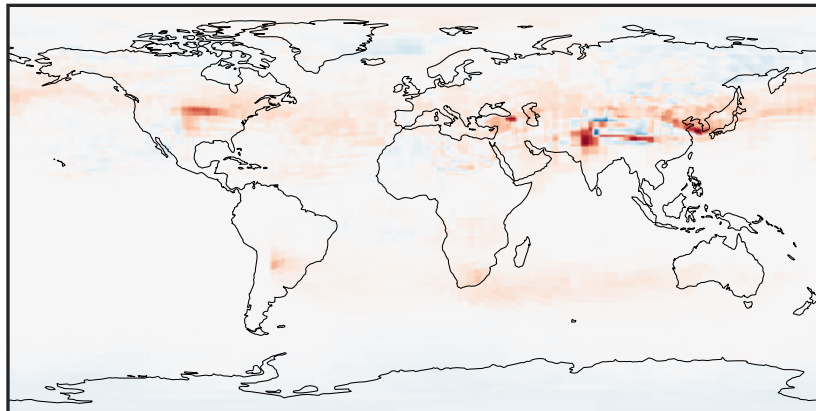
0.0000 0.0604 0.1209 0.1813 0.2417
ppb

14.3.0-rc.0 (Dev)
c24



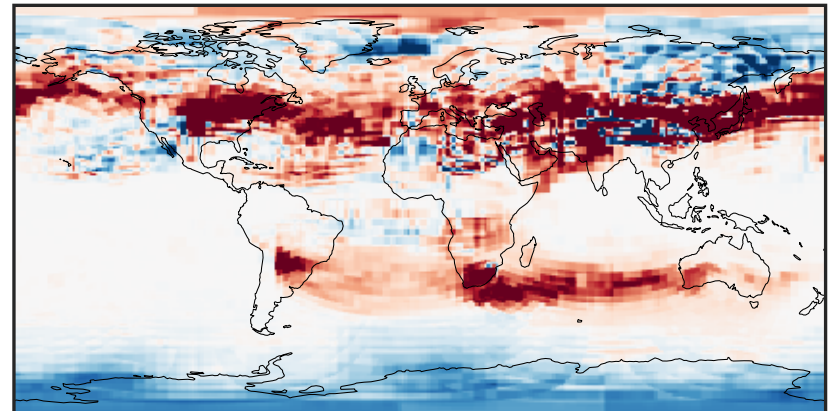
0.0000 0.0604 0.1209 0.1813 0.2417
ppb

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



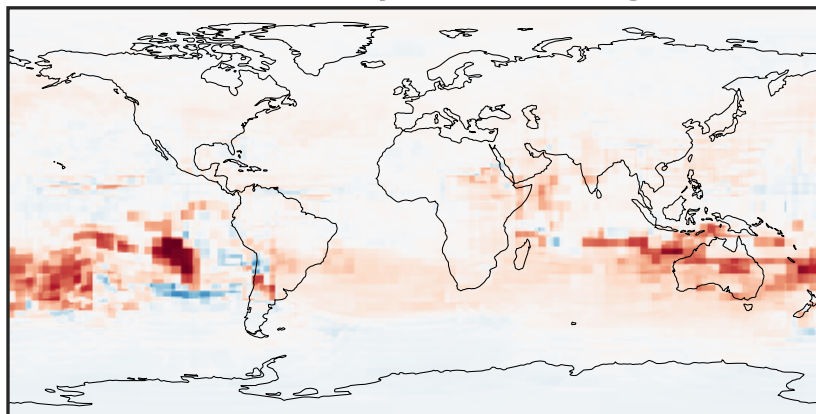
-0.1319 -0.0659 0.0000 0.0659 0.1319
ppb

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



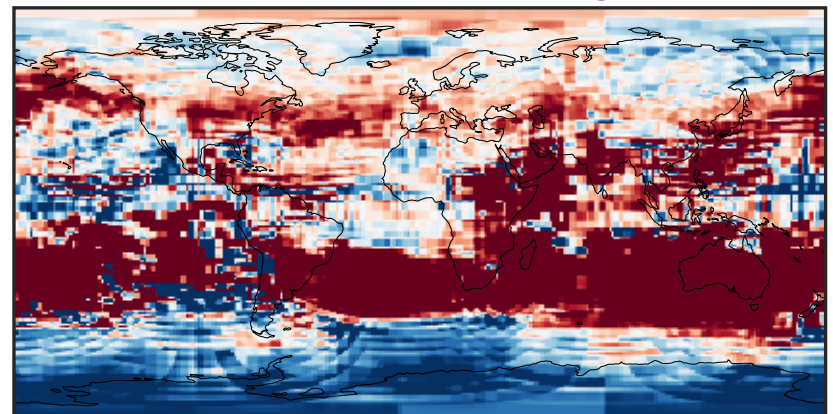
-0.008 0.000 0.008
ppb

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



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

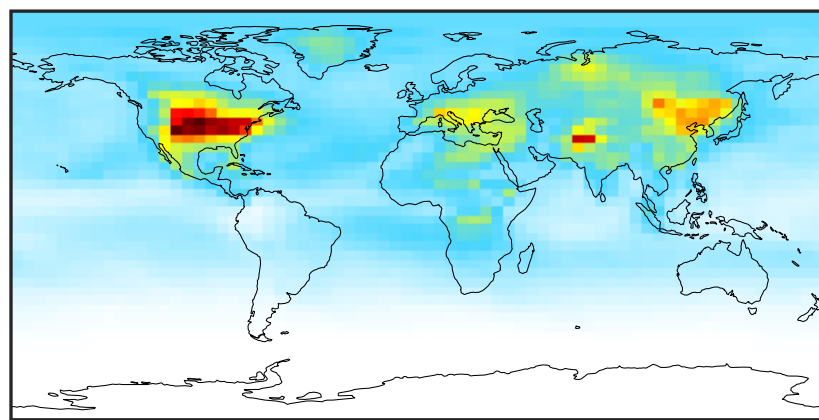
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

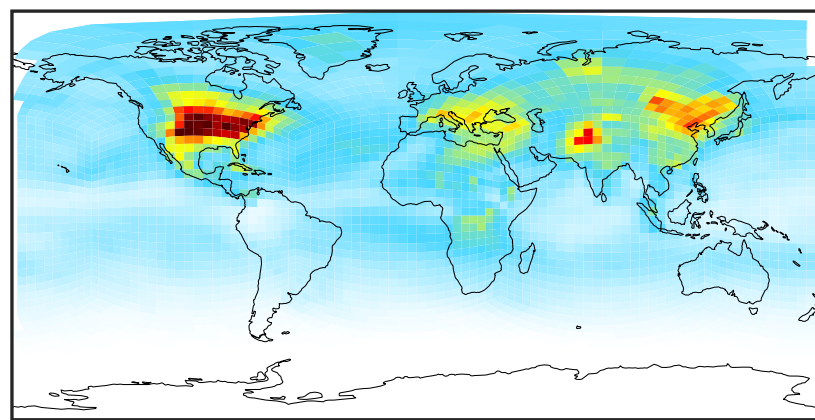
SpeciesConcVV_NO (Jul2019)

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



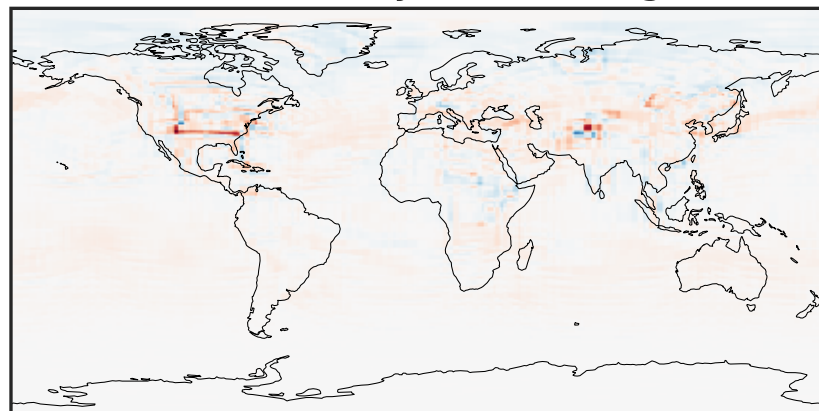
0.000 0.015 0.030 0.045
ppb

14.3.0-rc.0 (Dev)
c24



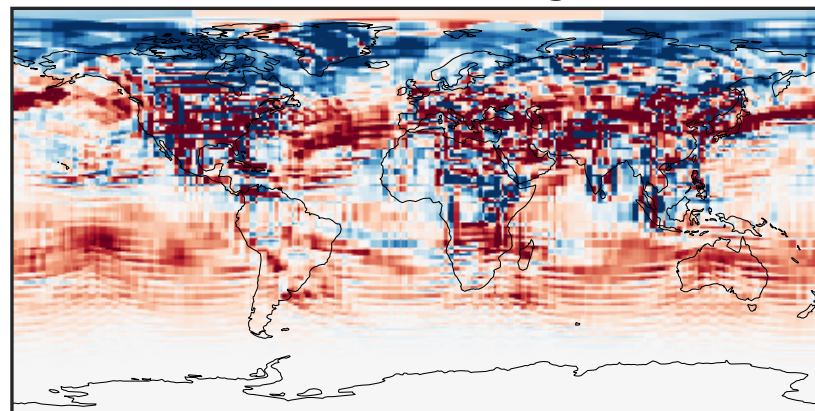
0.000 0.015 0.030 0.045
ppb

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



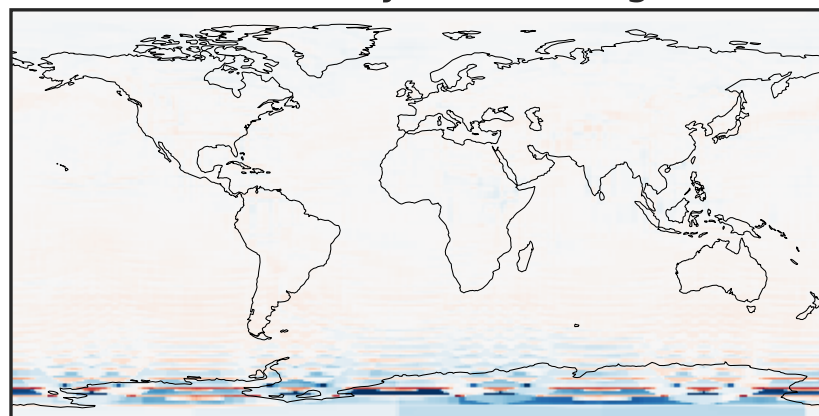
-0.015 0.000 0.015
ppb

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



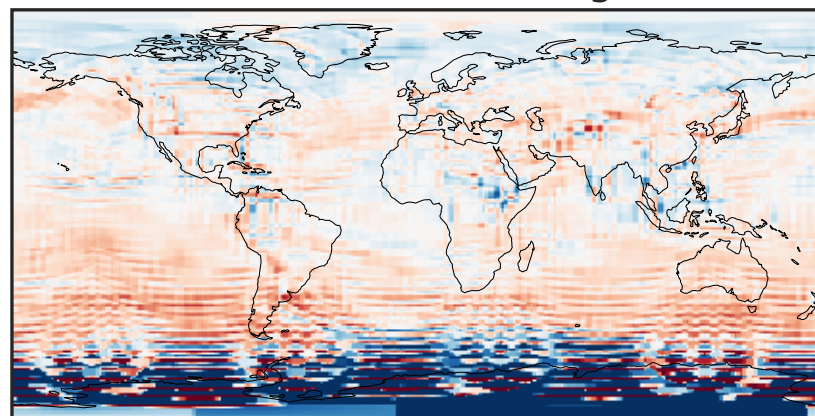
-0.0008 0.0000 0.0008
ppb

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



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

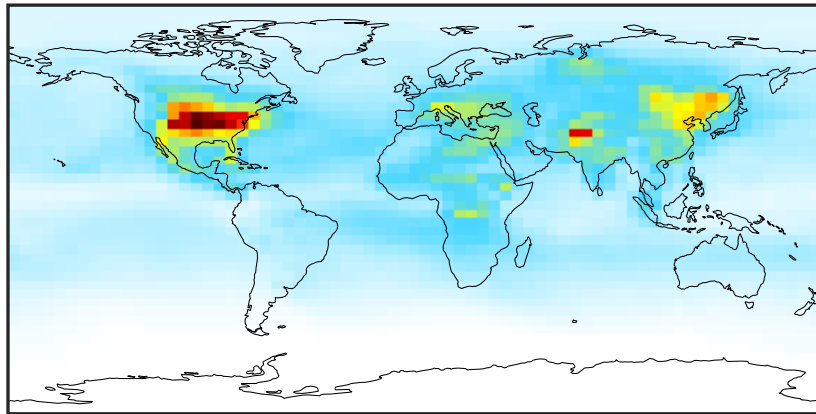
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

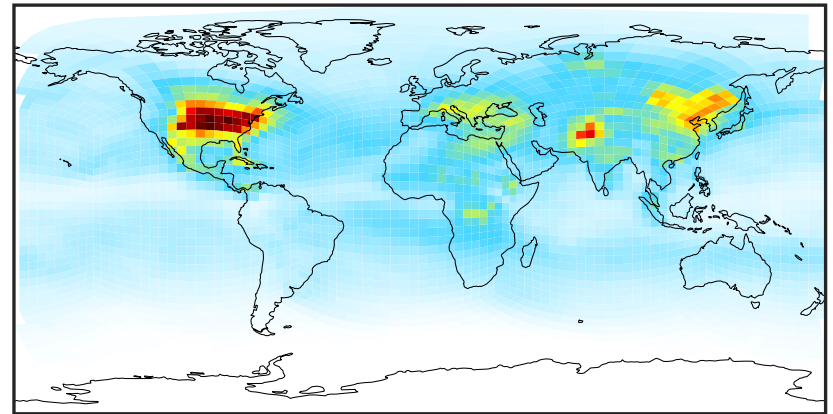
SpeciesConcVV_NO2 (Jul2019)

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



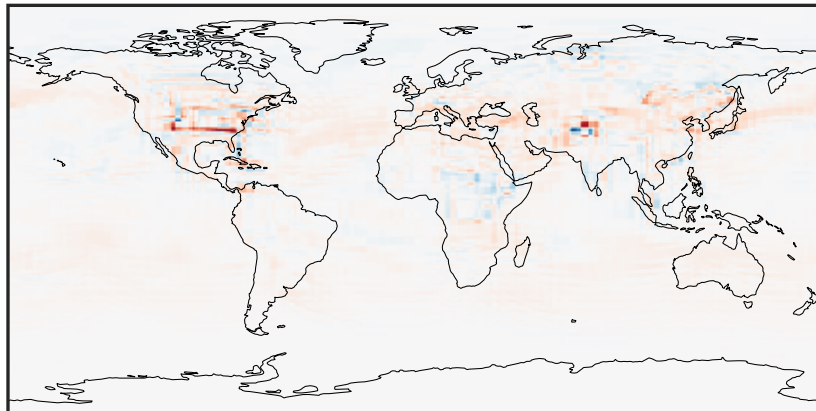
0.0001 0.0516 0.1032 0.1547 0.2063
ppb

14.3.0-rc.0 (Dev)
c24



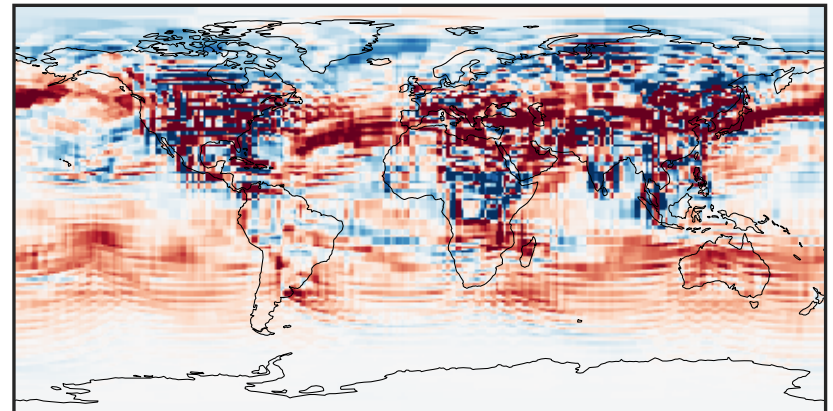
0.0001 0.0516 0.1032 0.1547 0.2063
ppb

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



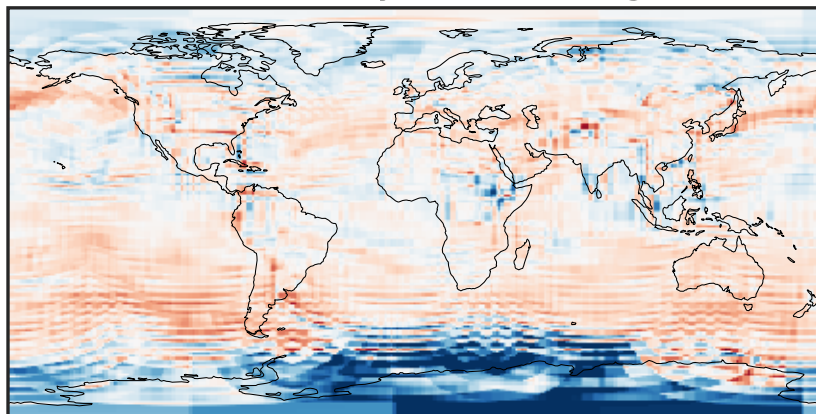
-0.0764 -0.0382 0.0000 0.0382 0.0764
ppb

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



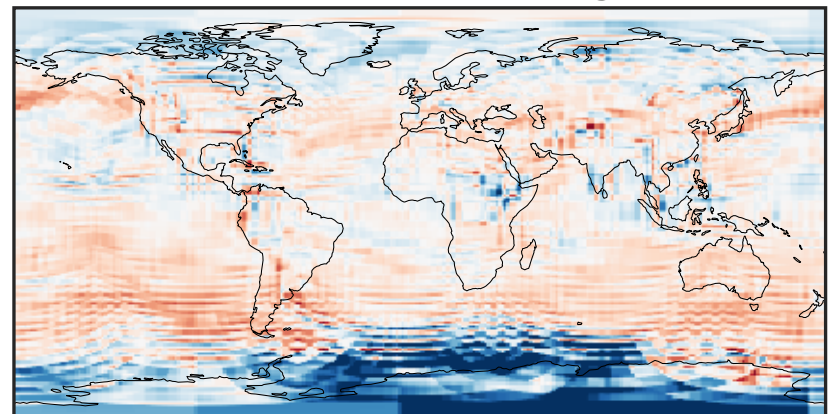
-0.003 0.000 0.003
ppb

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



0.481 0.741 1.000 1.539 2.078
unitless

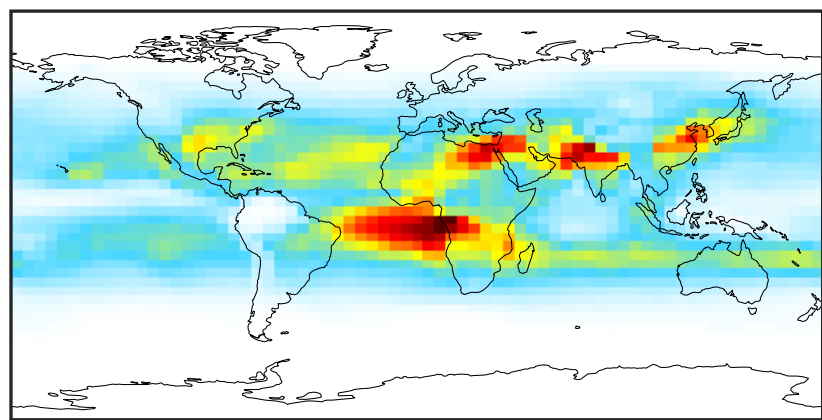
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

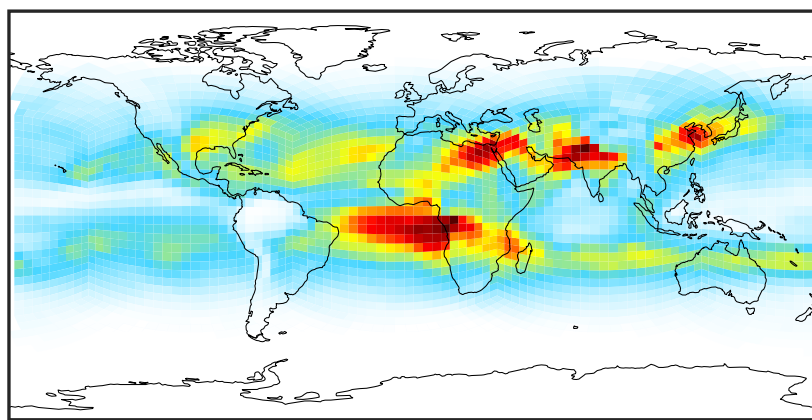
SpeciesConcVV_NO3 (Jul2019)

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



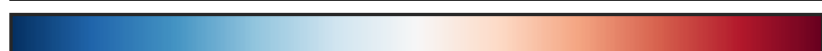
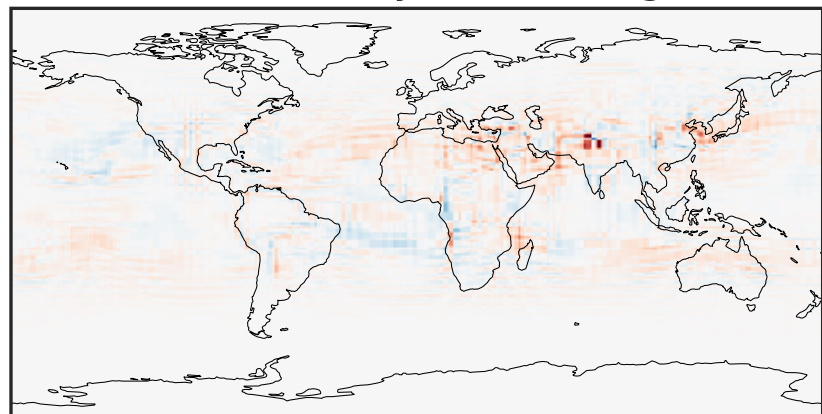
0.0015 0.0030 0.0045
ppb

14.3.0-rc.0 (Dev)
c24



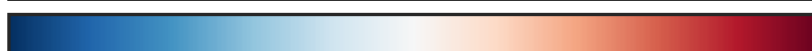
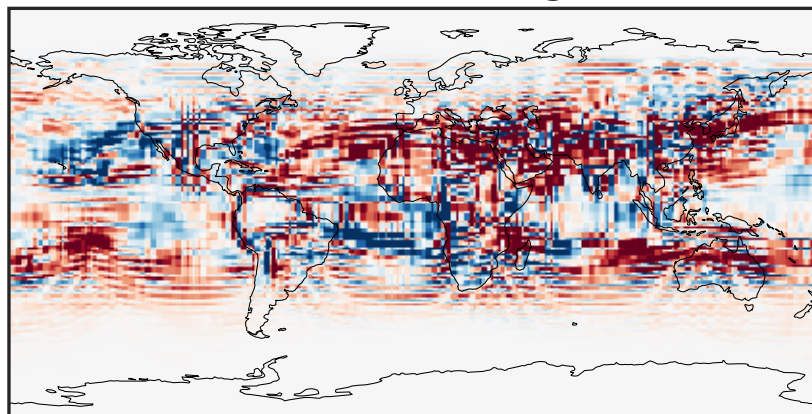
0.0015 0.0030 0.0045
ppb

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



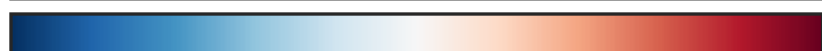
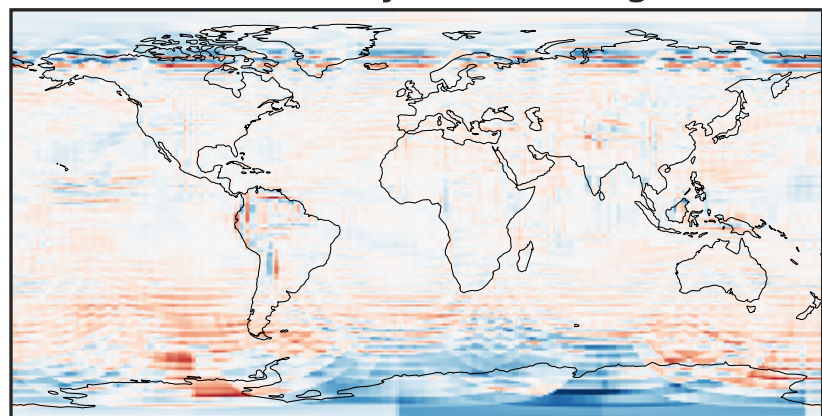
-0.0015 0.0000 0.0015
ppb

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



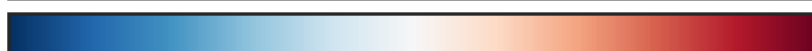
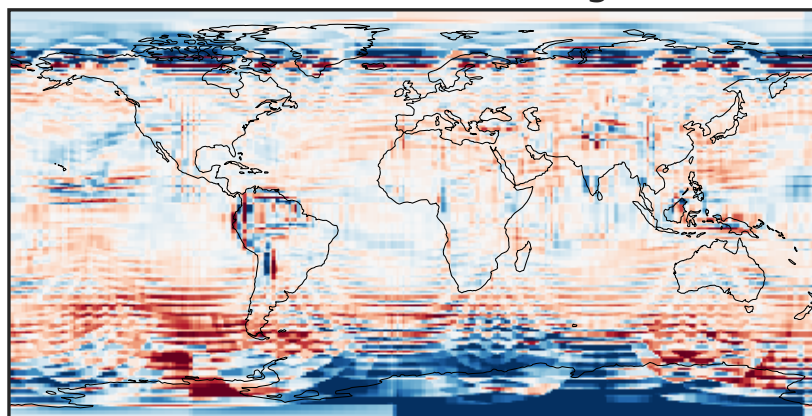
-0.00015 0.00000 0.00015
ppb

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



0.188 0.594 1.000 3.160 5.320
unitless

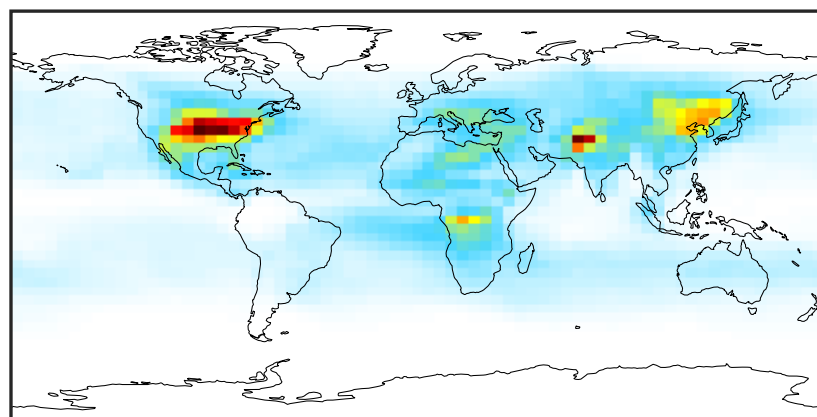
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

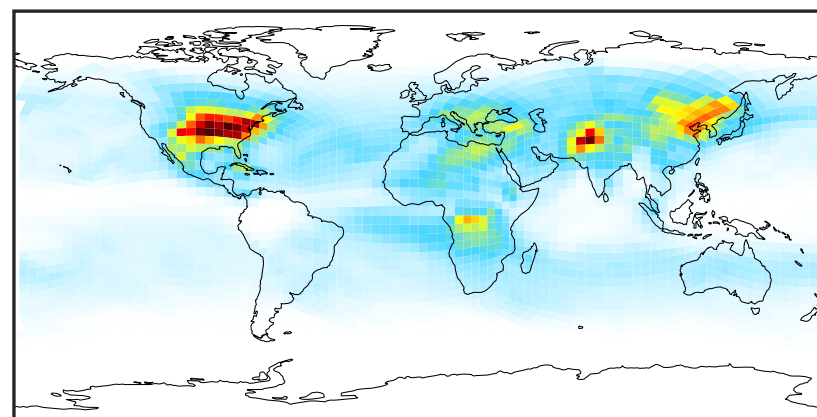
SpeciesConcVV_N2O5 (Jul2019)

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



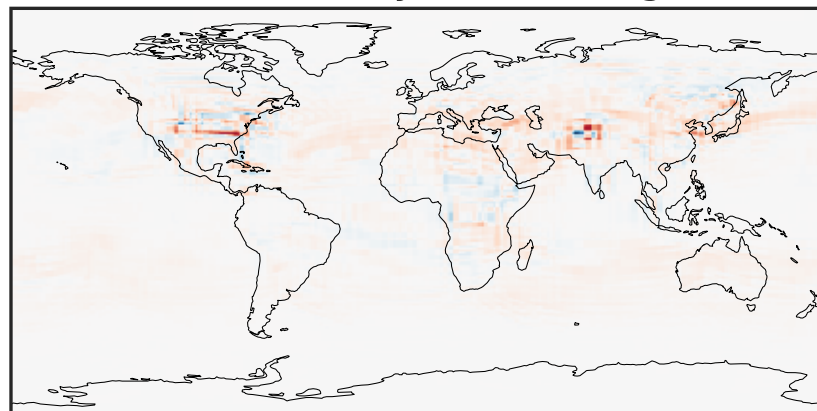
0.005 0.010 0.015
ppb

14.3.0-rc.0 (Dev)
c24



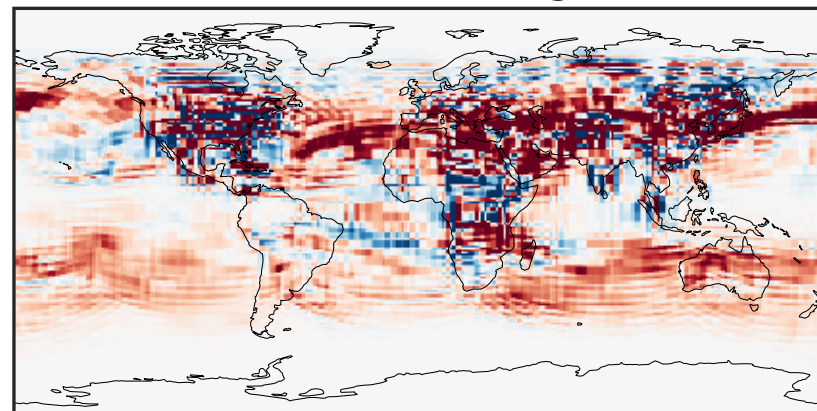
0.005 0.010 0.015
ppb

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



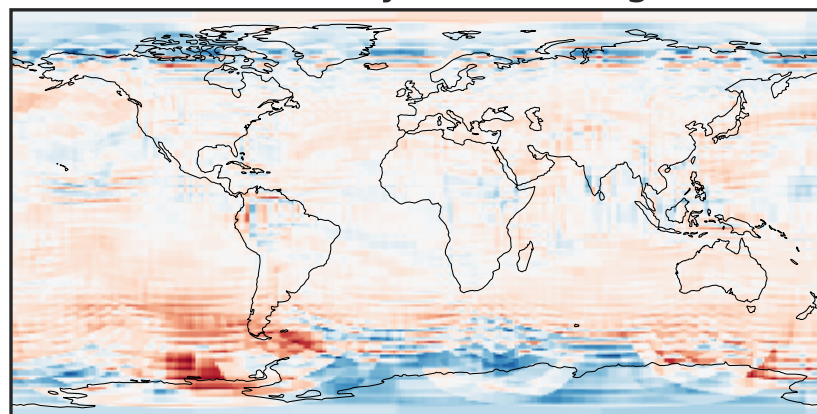
-0.005 0.000 0.005
ppb

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



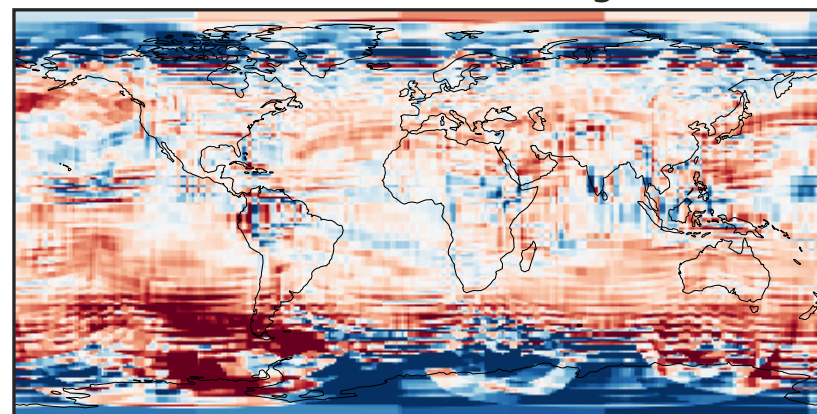
-0.0004 0.0000 0.0004
ppb

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



0.112 0.556 1.000 4.954 8.908
unitless

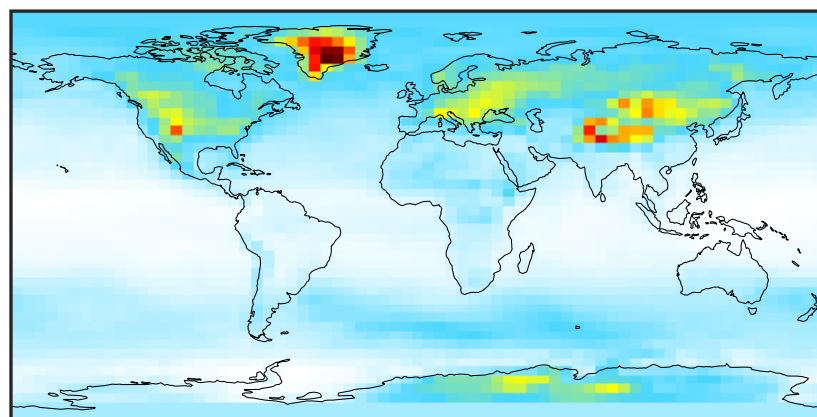
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

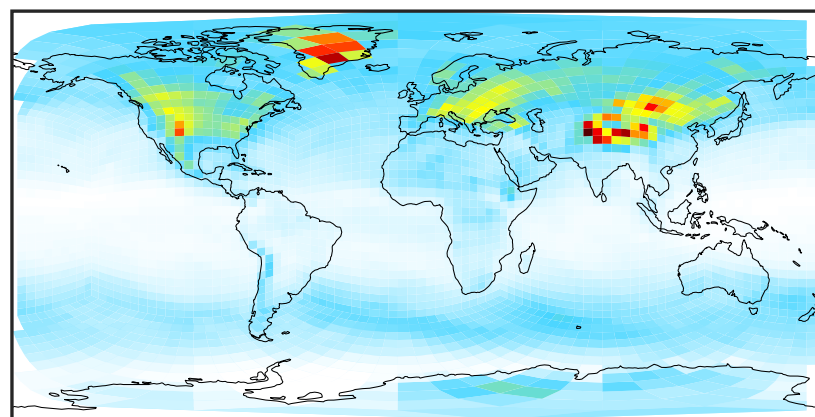
SpeciesConcVV_MPN (Jul2019)

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



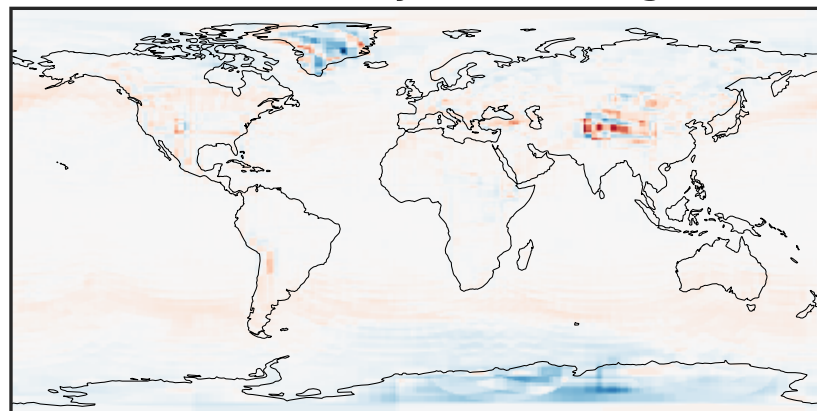
0.0008 0.0016 0.0024
ppb

14.3.0-rc.0 (Dev)
c24



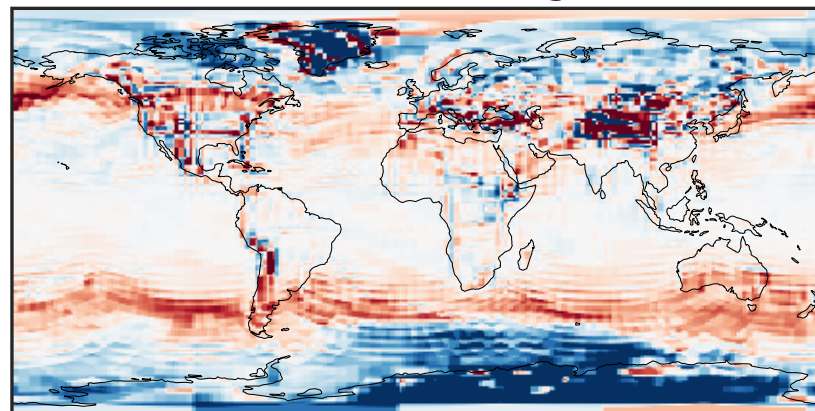
0.0008 0.0016 0.0024
ppb

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



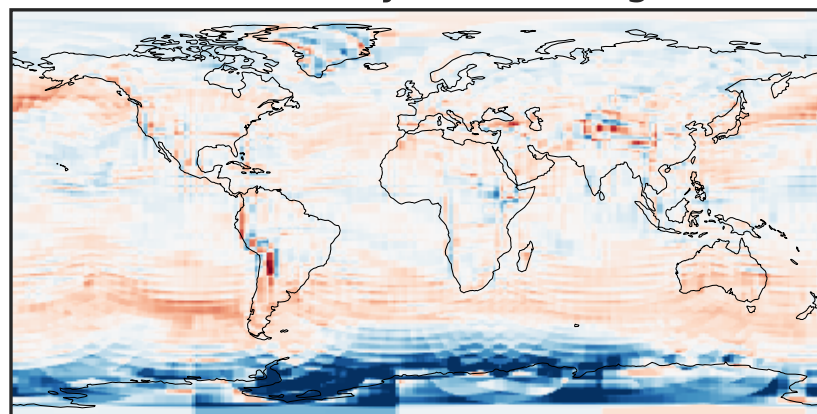
-0.001 0.000 0.001
ppb

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



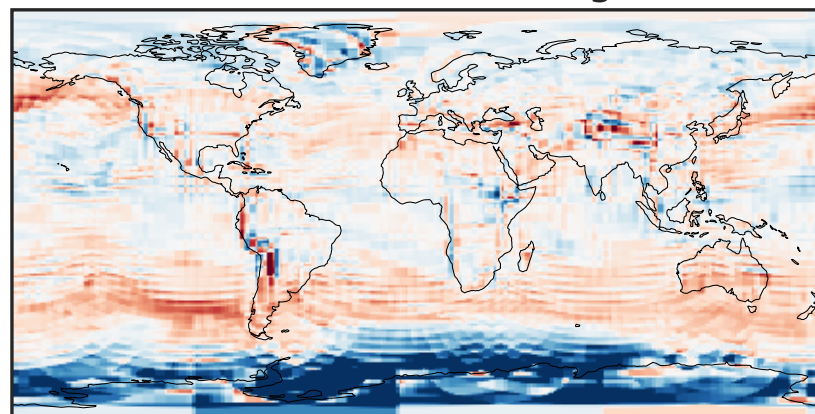
-0.00015 0.00000 0.00015
ppb

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



0.378 0.689 1.000 1.823 2.646
unitless

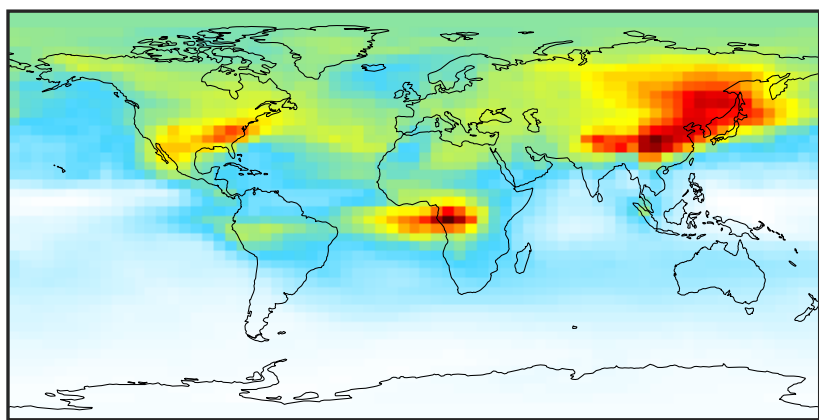
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

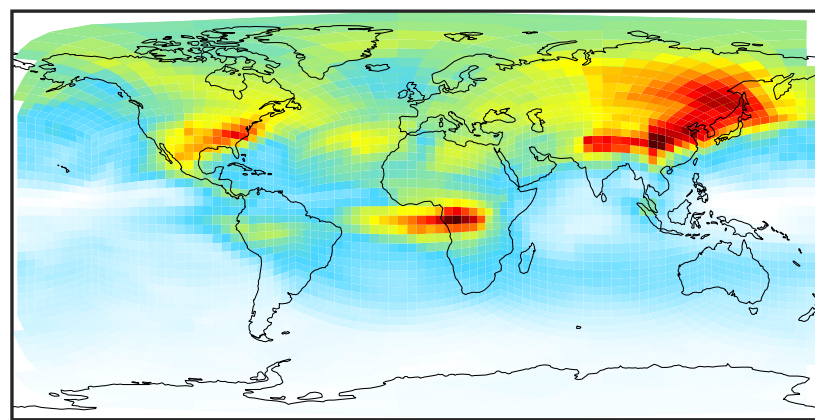
SpeciesConcVV_PAN (Jul2019)

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



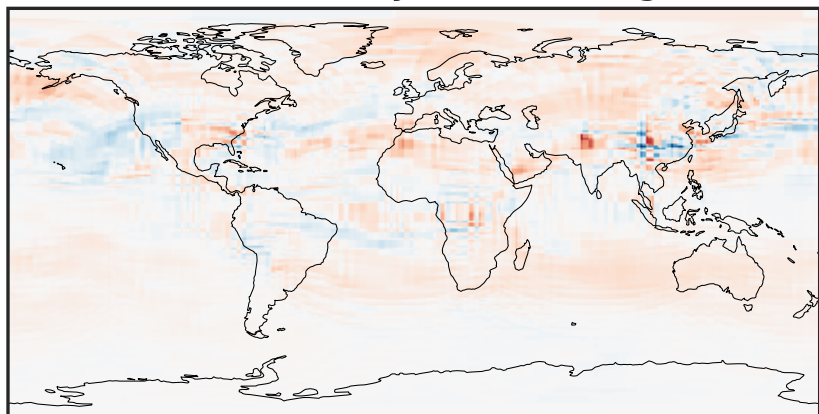
0.0126 0.1417 0.2708 0.4000 0.5291
ppb

14.3.0-rc.0 (Dev)
c24



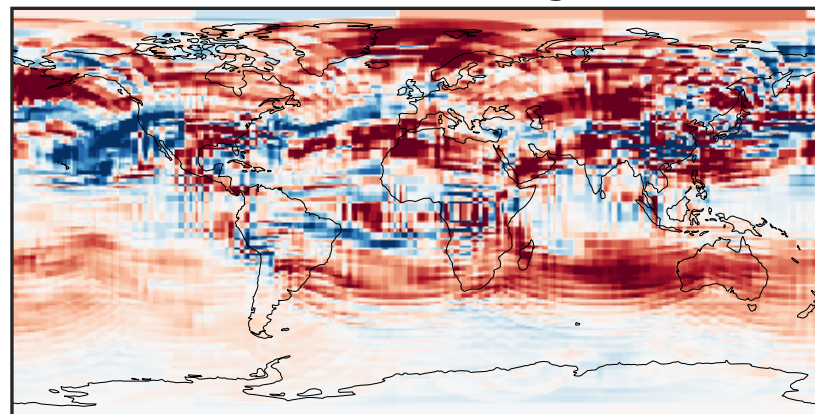
0.0126 0.1417 0.2708 0.4000 0.5291
ppb

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



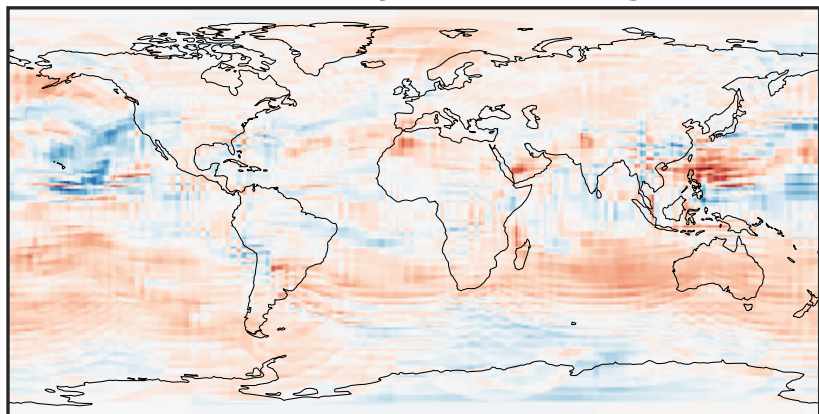
-0.1513 -0.0756 0.0000 0.0756 0.1513
ppb

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



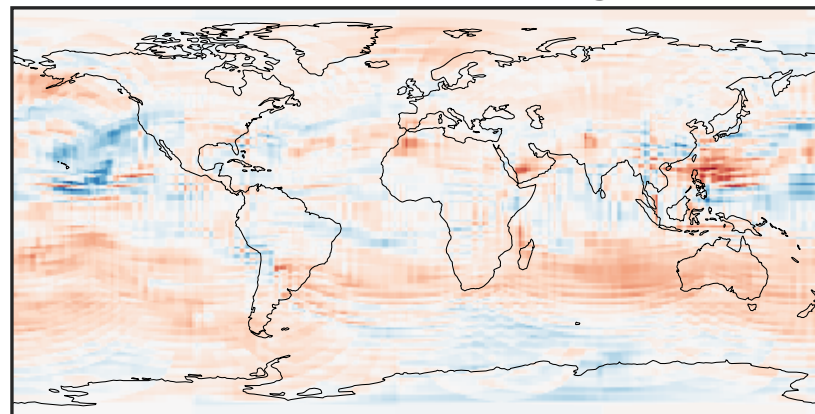
-0.015 0.000 0.015
ppb

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



0.517 0.758 1.000 1.468 1.936
unitless

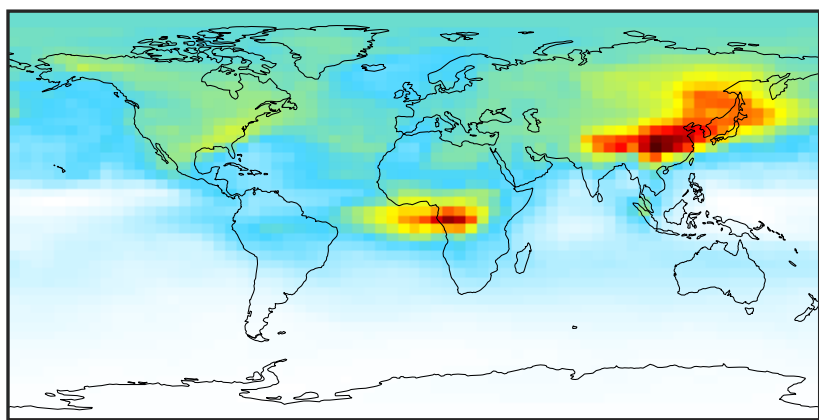
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

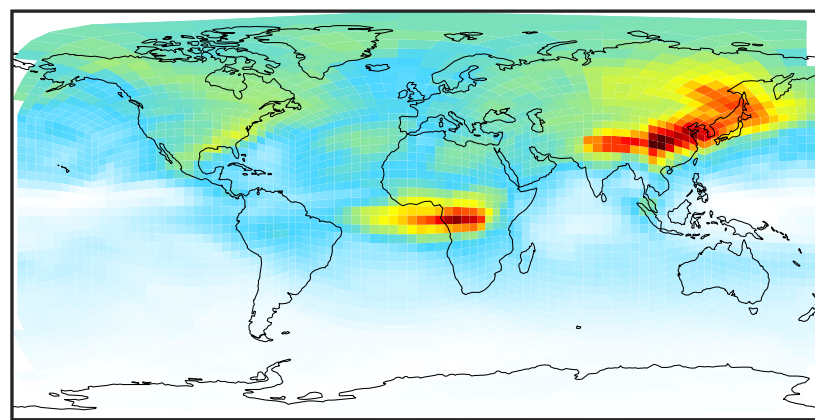
SpeciesConcVV_PPN (Jul2019)

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



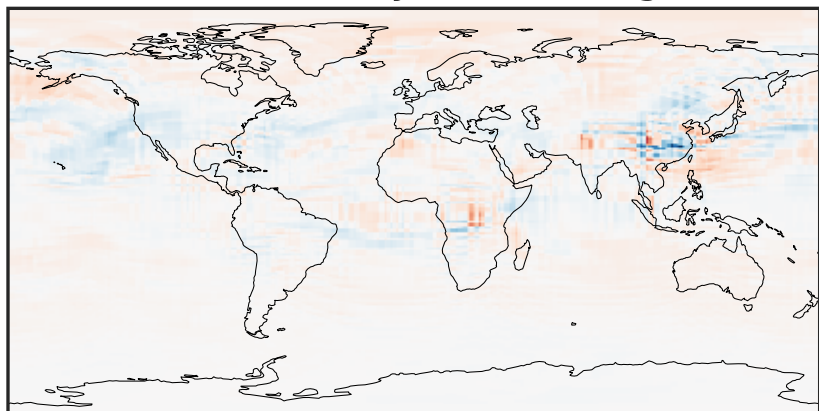
0.0021 0.0276 0.0532 0.0787 0.1043
ppb

14.3.0-rc.0 (Dev)
c24



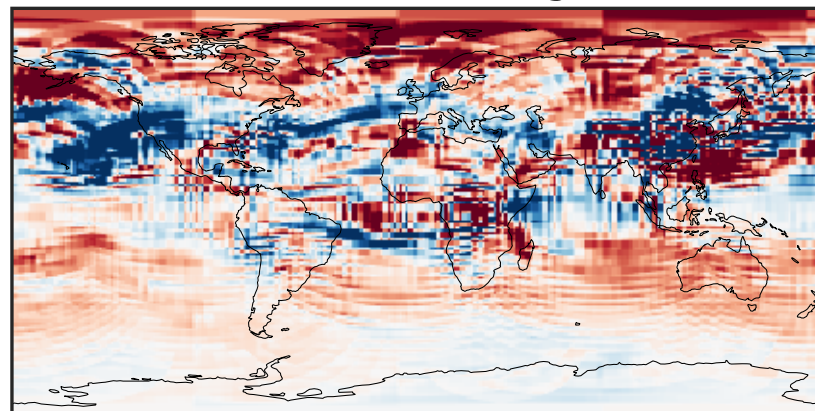
0.0021 0.0276 0.0532 0.0787 0.1043
ppb

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



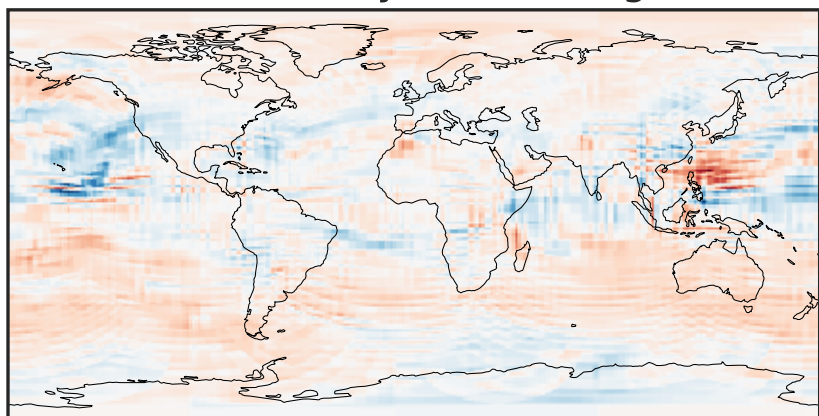
-0.02 0.00 0.02
ppb

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



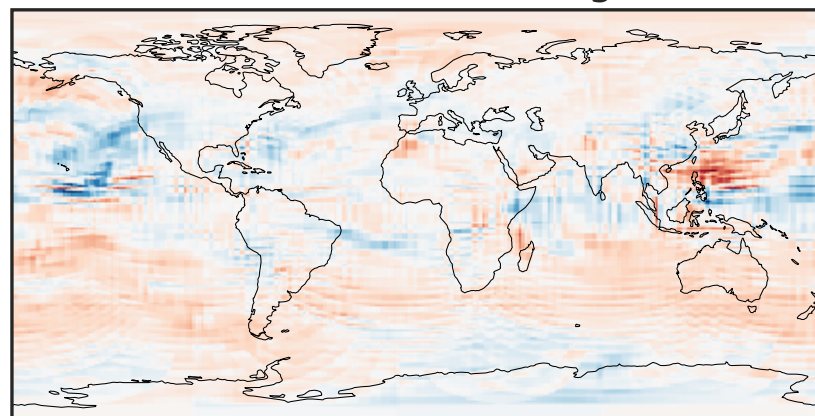
-0.002 0.000 0.002
ppb

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



0.486 0.743 1.000 1.529 2.057
unitless

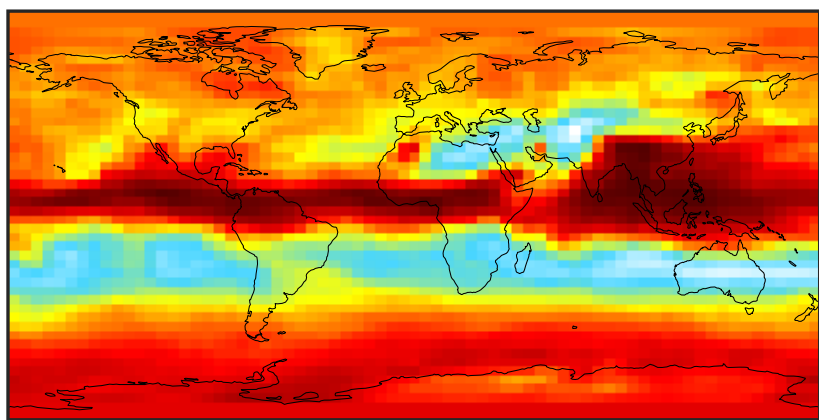
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

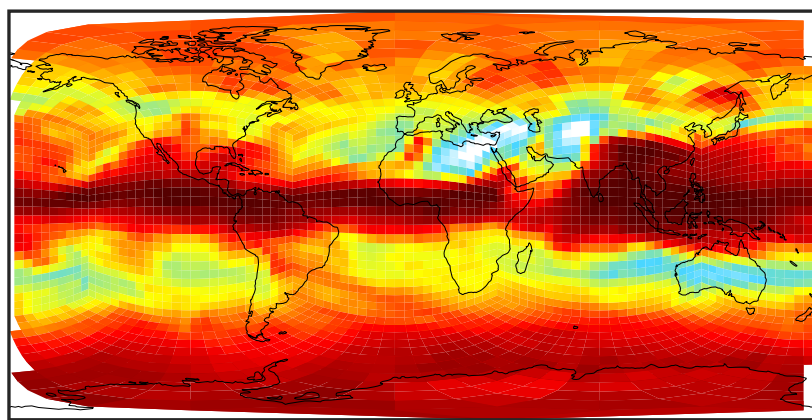
SpeciesConcVV_N2O (Jul2019)

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



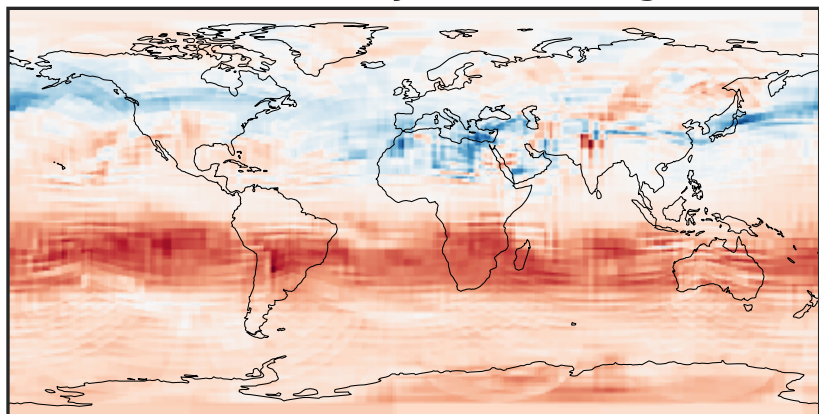
329.4386 329.6416 329.8446 330.0476 330.2505
ppb

14.3.0-rc.0 (Dev)
c24



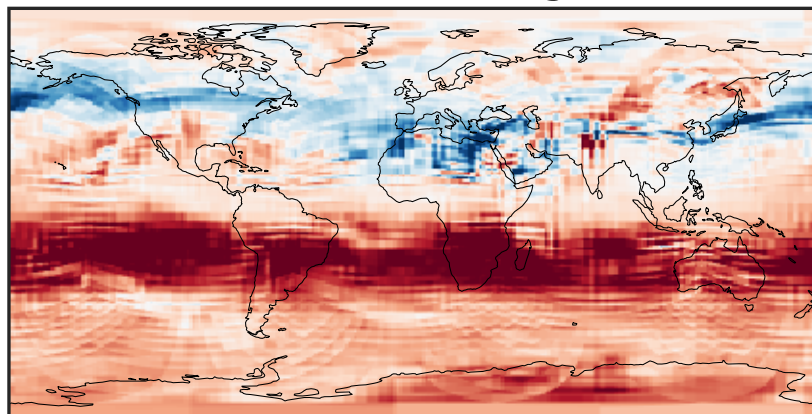
329.4386 329.6416 329.8446 330.0476 330.2505
ppb

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



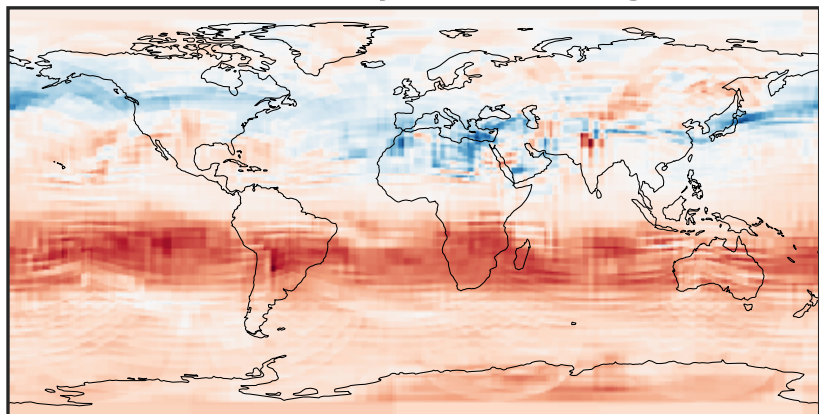
-0.3108 -0.1554 0.0000 0.1554 0.3108
ppb

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



-0.1745 -0.0873 0.0000 0.0873 0.1745
ppb

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



0.999058 1.000000 1.000943
unitless

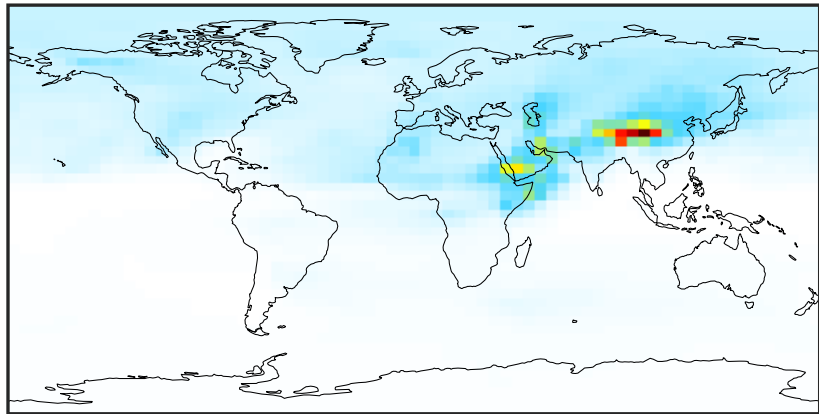
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

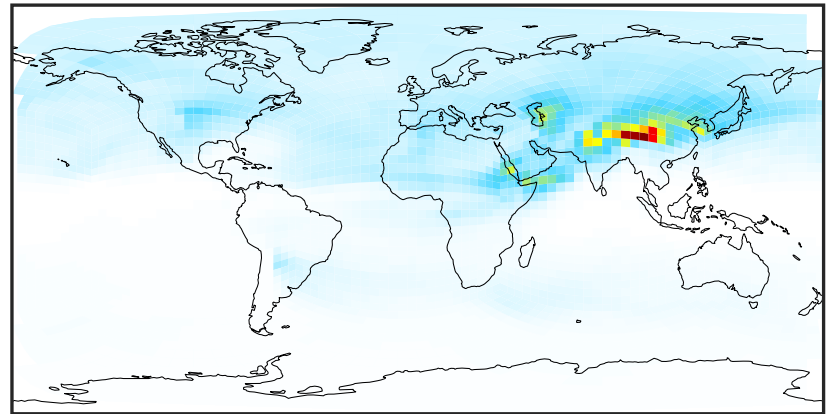
SpeciesConcVV_NHx (Jul2019)

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



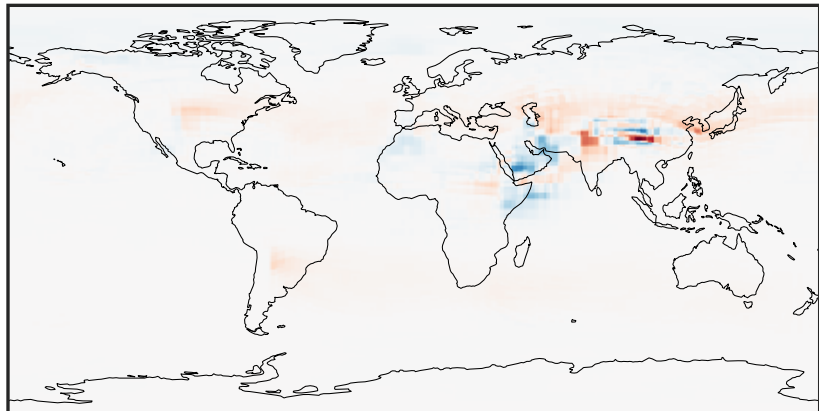
0.001 0.292 0.583 0.874 1.165
ppb

14.3.0-rc.0 (Dev)
c24



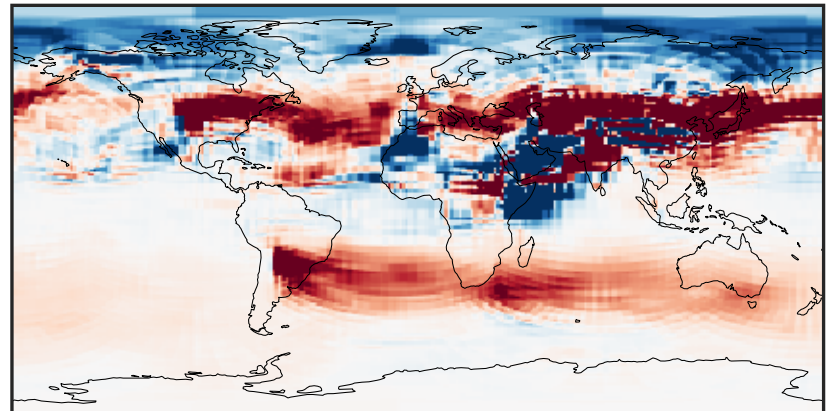
0.001 0.292 0.583 0.874 1.165
ppb

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



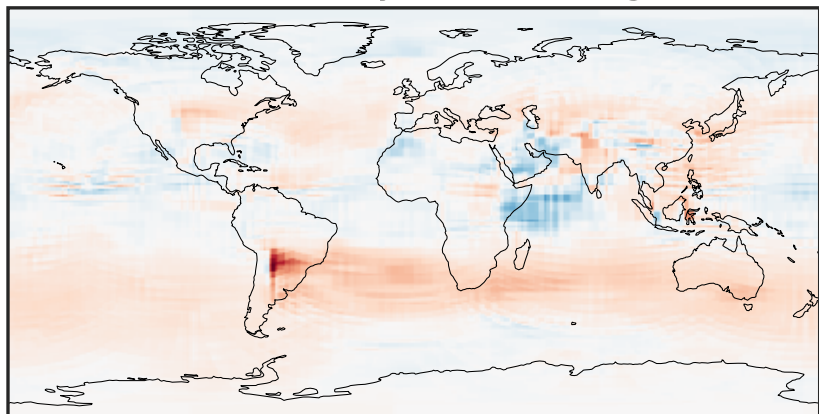
-0.662 -0.331 0.000 0.331 0.662
ppb

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



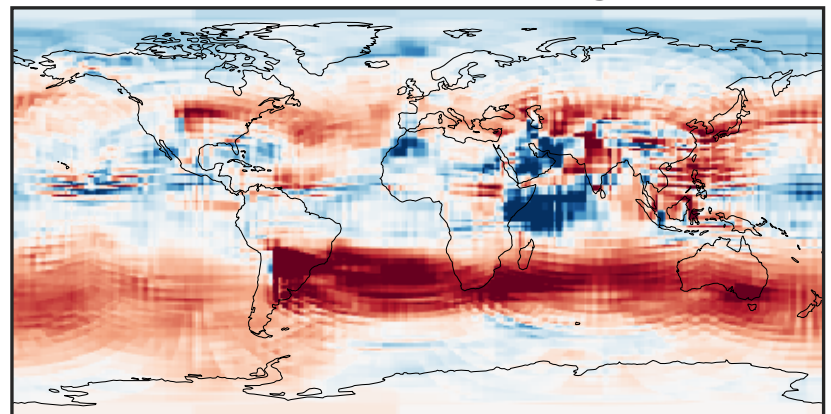
-0.015 0.000 0.015
ppb

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



1e-01 1 10
unitless

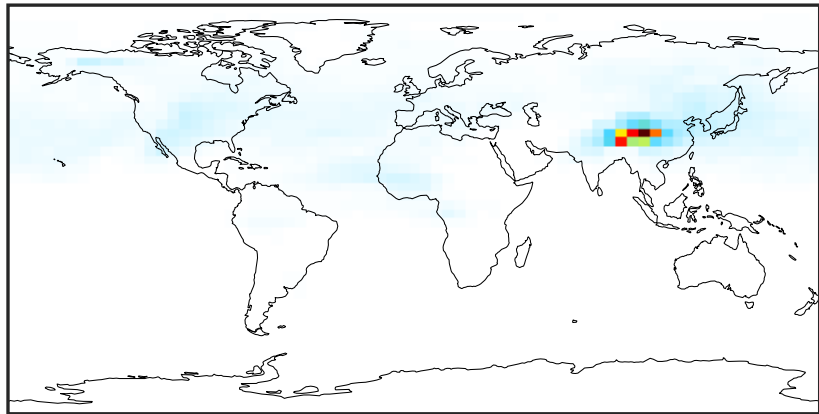
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

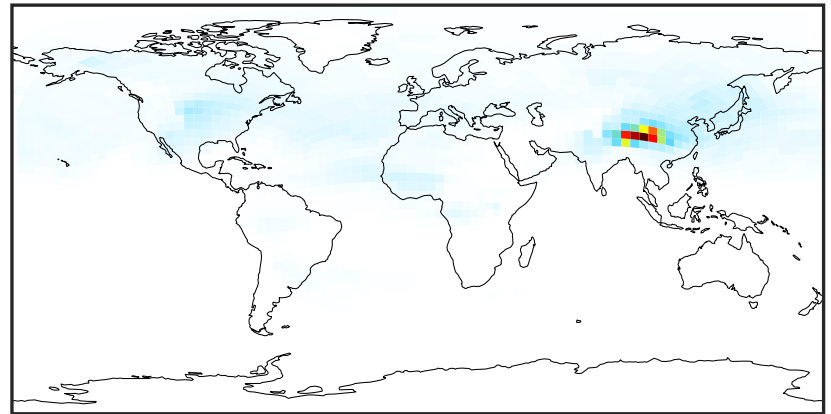
SpeciesConcVV_NH3 (Jul2019)

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



0.0000 0.2145 0.4290 0.6434 0.8579
ppb

14.3.0-rc.0 (Dev)
c24



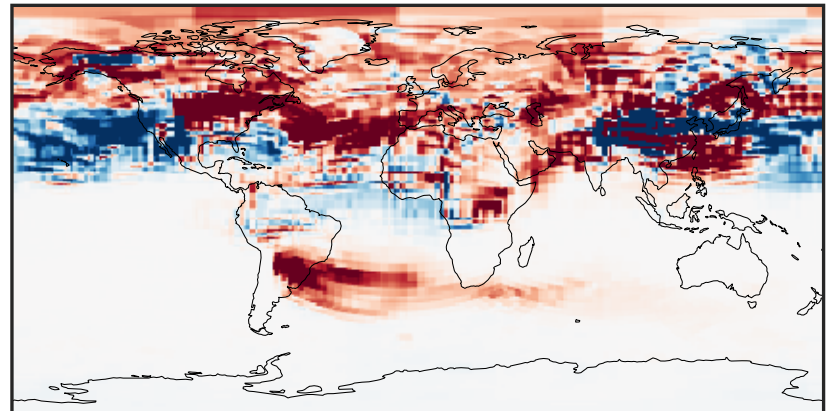
0.0000 0.2145 0.4290 0.6434 0.8579
ppb

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



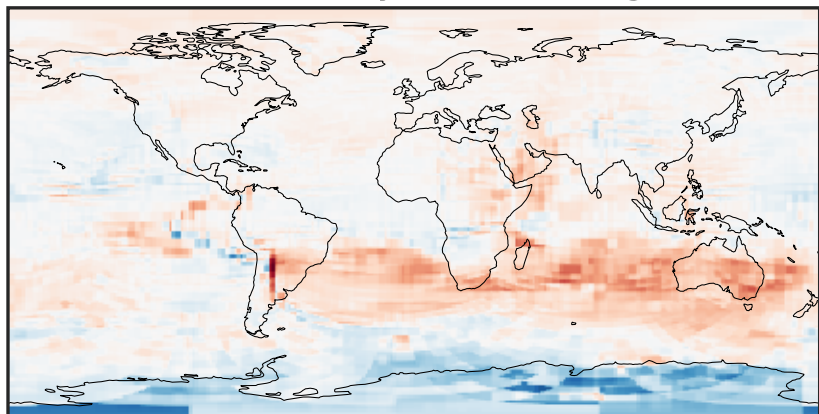
-0.533 -0.267 0.000 0.267 0.533
ppb

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



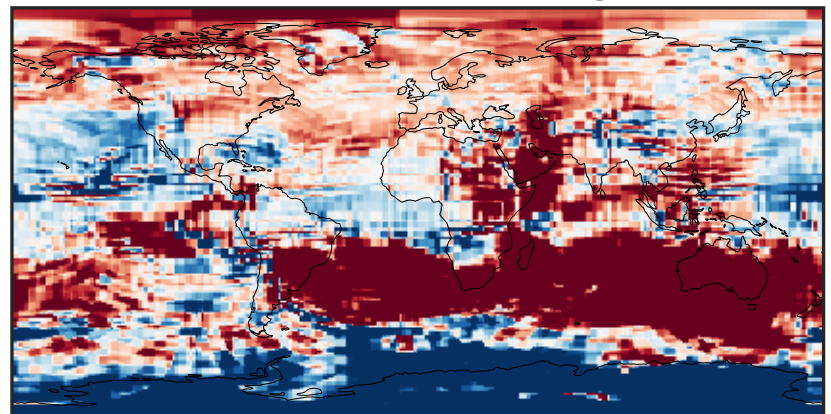
-0.003 0.000 0.003
ppb

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



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

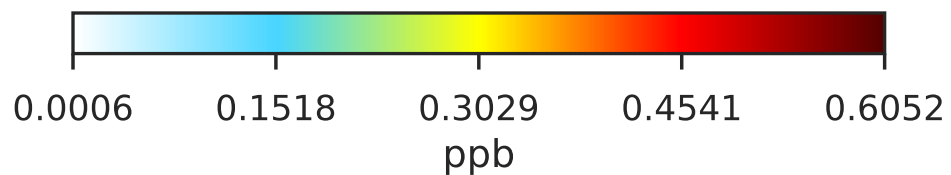
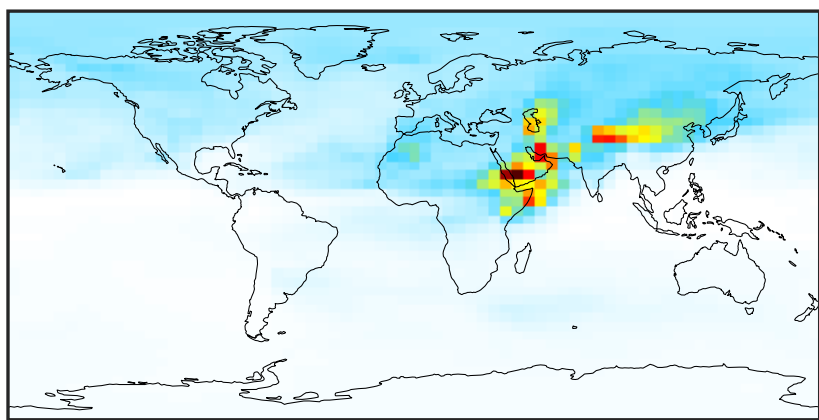
Ratio (1x1.25)
Dev/Ref, Fixed Range



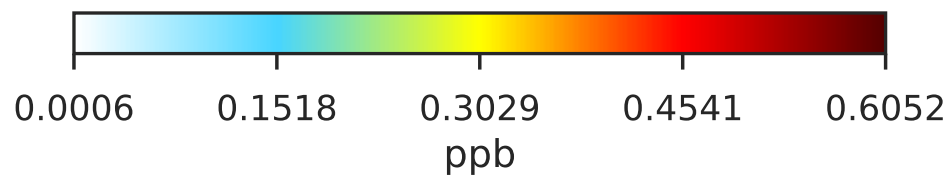
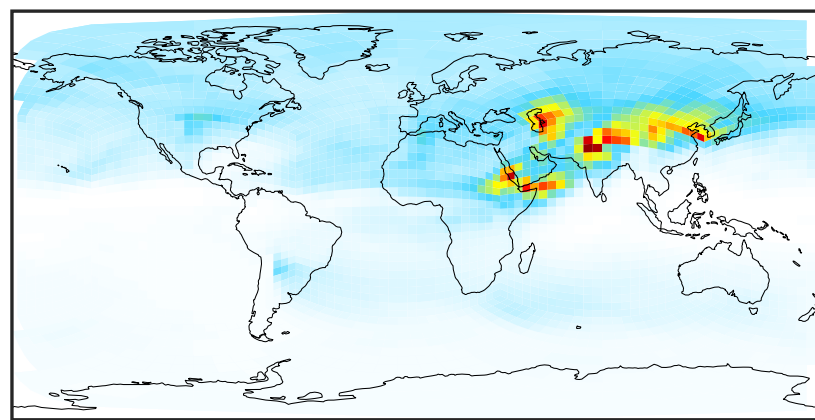
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NH4 (Jul2019)

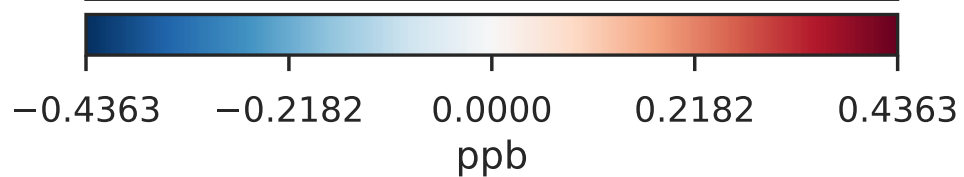
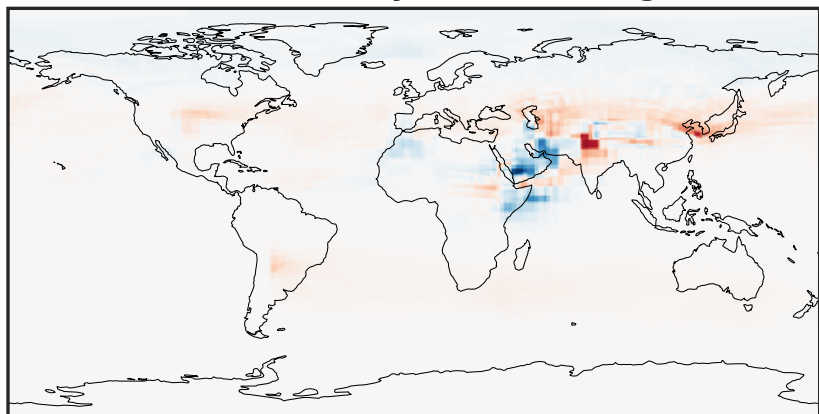
14.3.0-rc.0 (Ref)
4.0x5.0



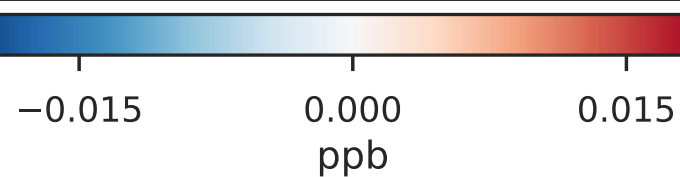
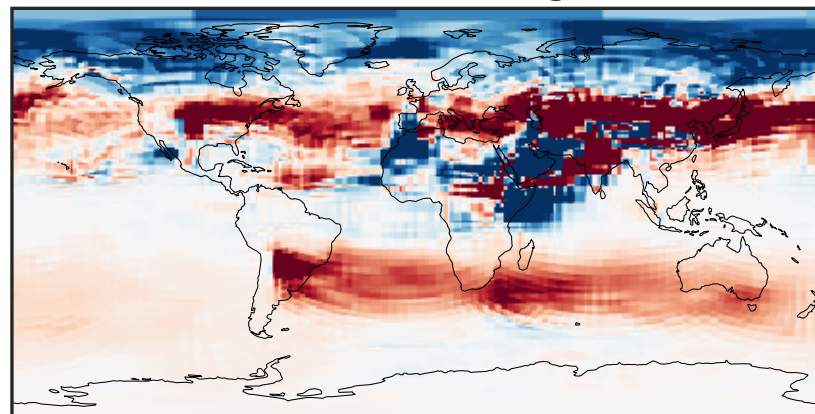
14.3.0-rc.0 (Dev)
c24



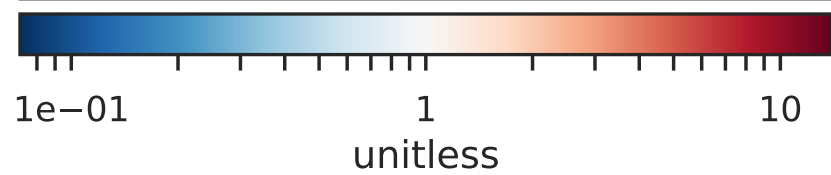
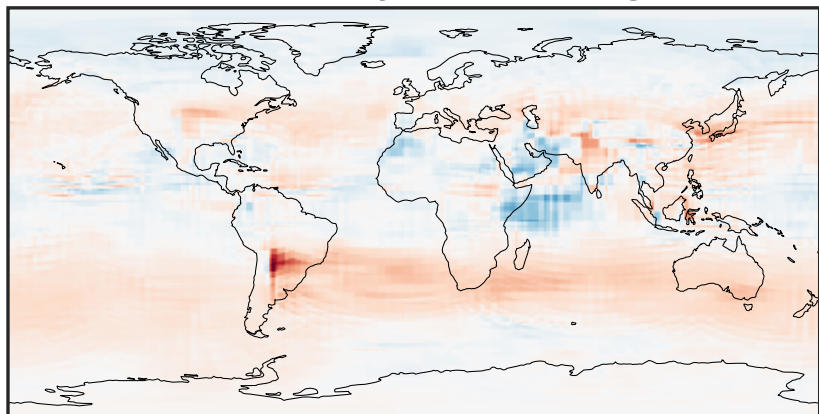
Difference (1x1.25)
Dev - Ref, Dynamic Range



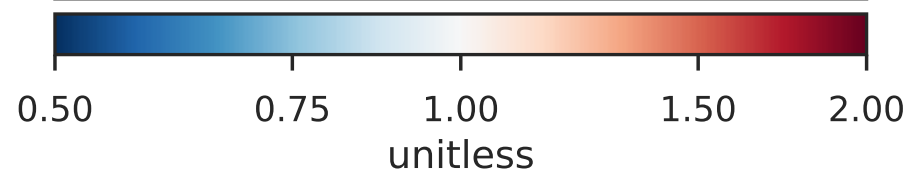
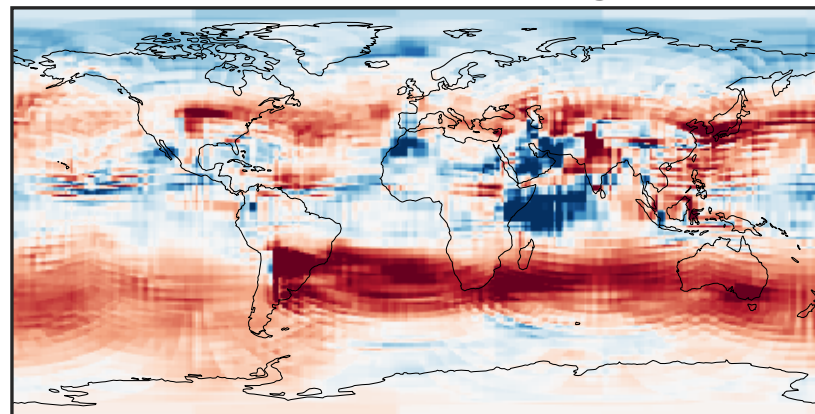
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

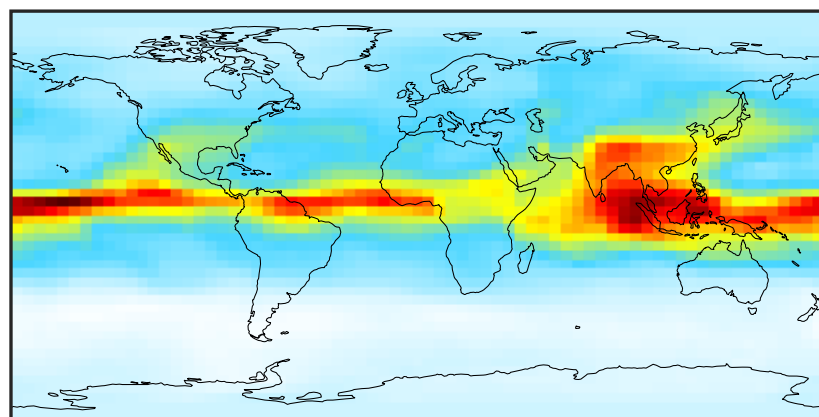


Ratio (1x1.25)
Dev/Ref, Fixed Range



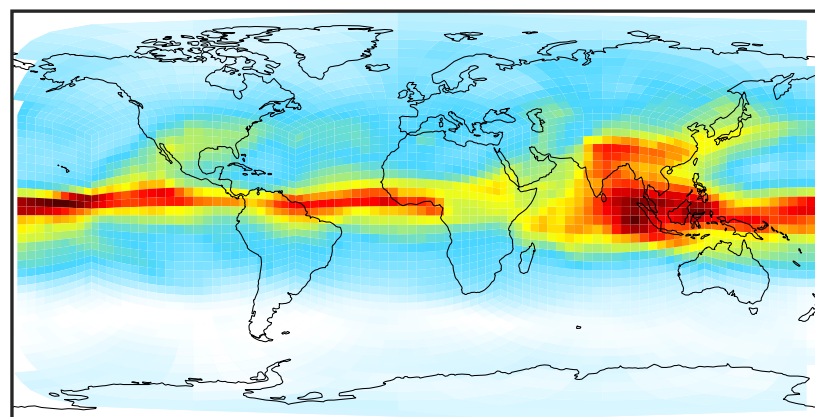
SpeciesConcVW_MENO3 (Jul2019)

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



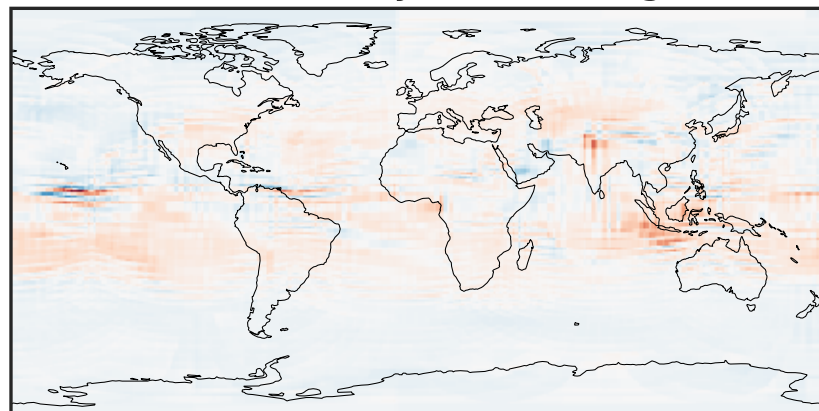
0.004 0.006 0.008 0.010
ppb

14.3.0-rc.0 (Dev)
c24



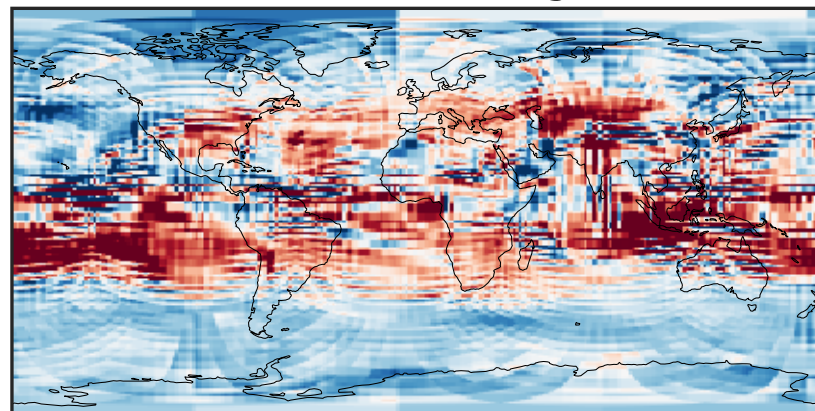
0.004 0.006 0.008 0.010
ppb

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



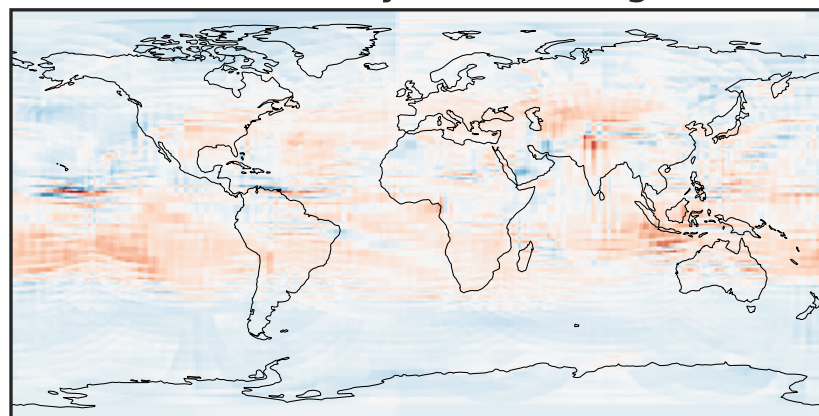
-0.0015 0.0000 0.0015
ppb

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



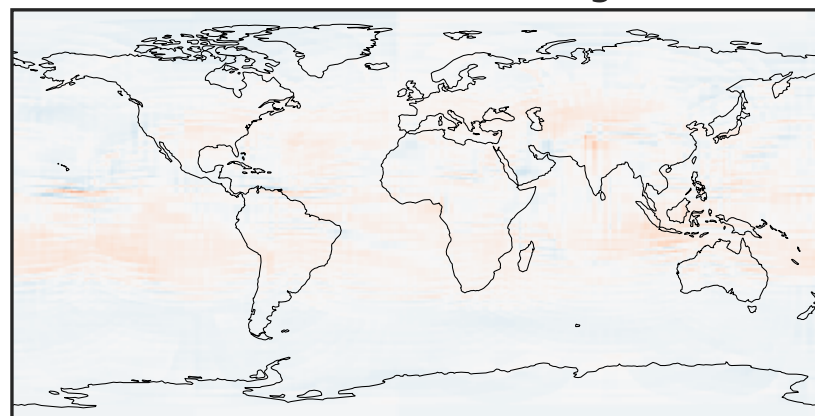
-0.0002 0.0000 0.0002
ppb

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



0.7741 0.8871 1.0000 1.1459 1.2918
unitless

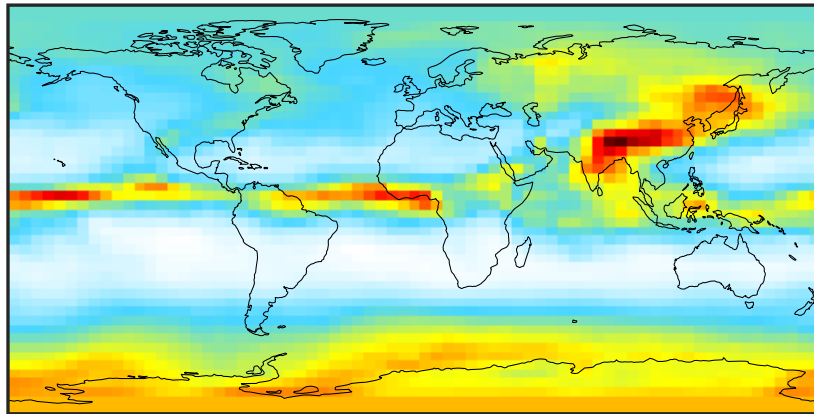
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

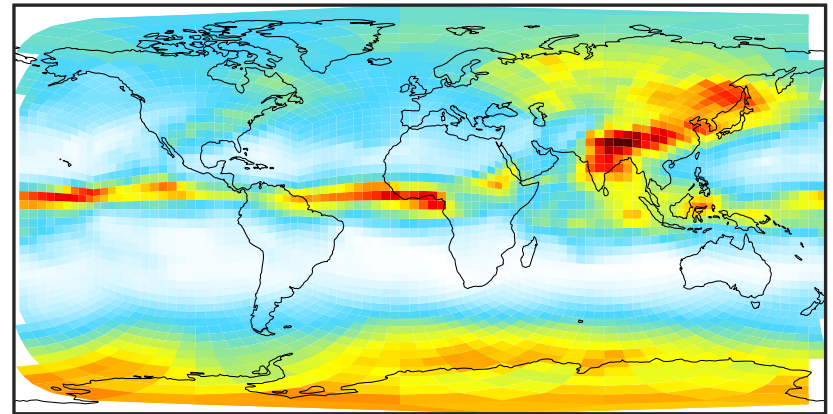
SpeciesConcVV_ETNO3 (Jul2019)

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



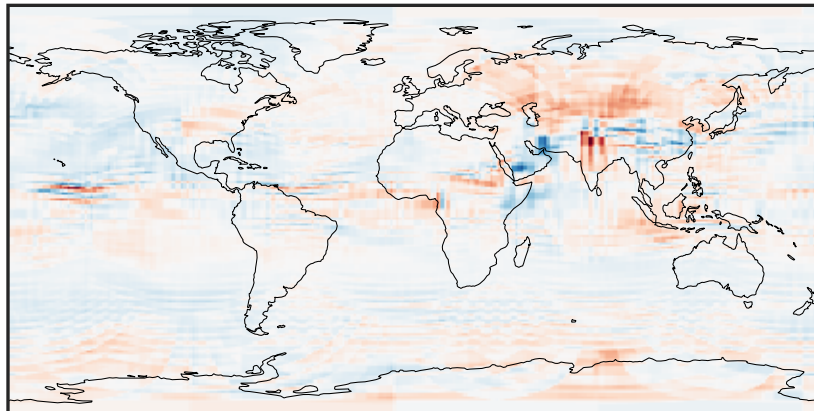
0.0016 0.0024 0.0032
ppb

14.3.0-rc.0 (Dev)
c24



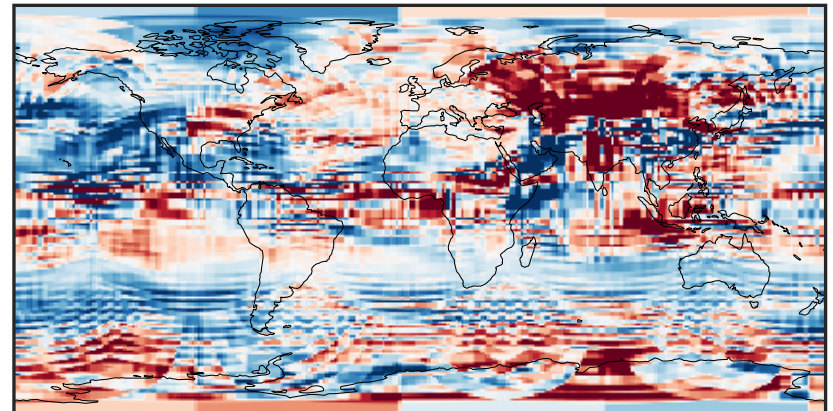
0.0016 0.0024 0.0032
ppb

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



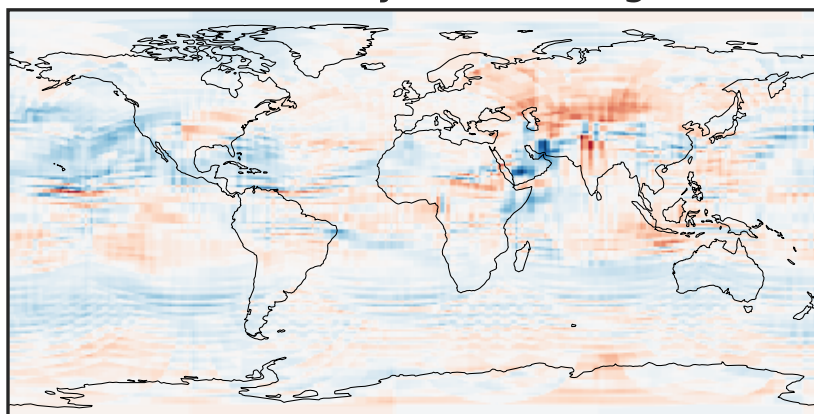
-0.0005 0.0000 0.0005
ppb

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



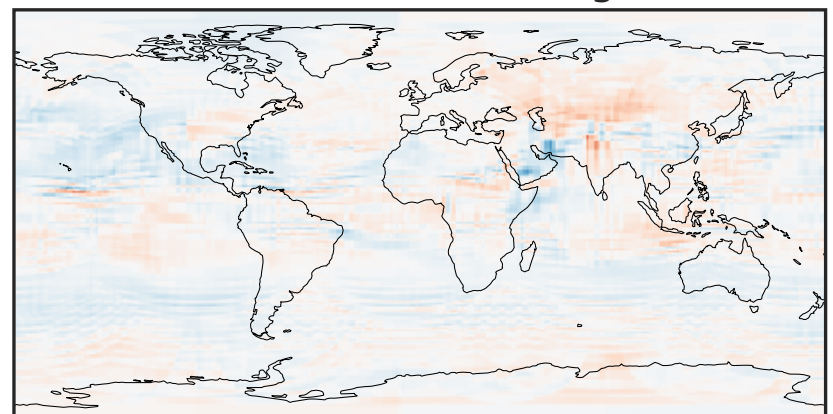
-8 0 8
ppb 1e-5

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



0.6776 0.8388 1.0000 1.2379 1.4757
unitless

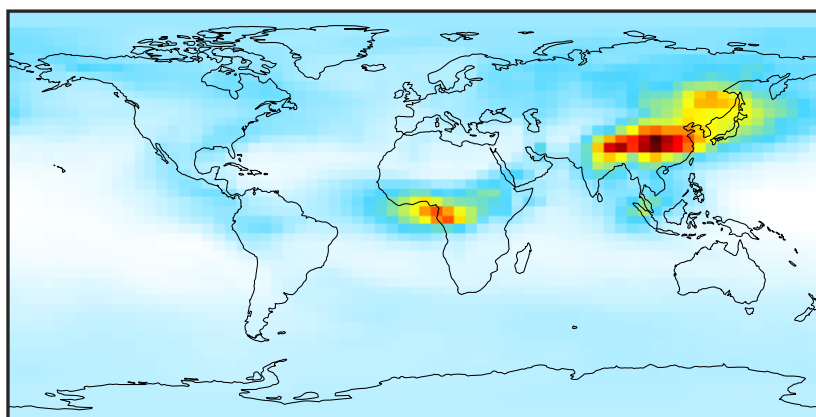
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

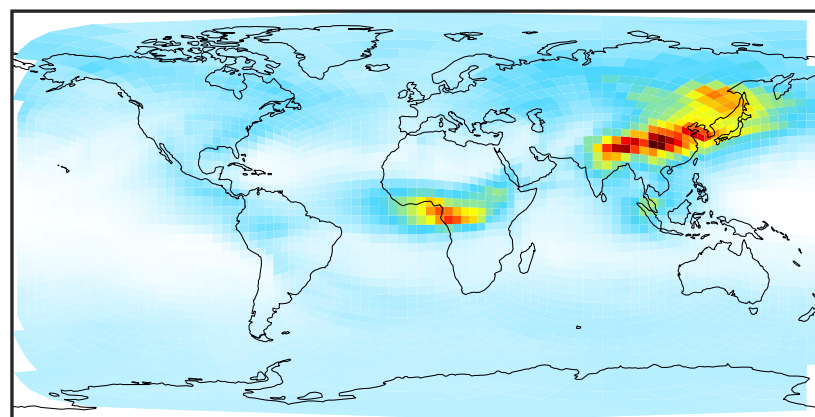
SpeciesConcVV_IPRNO3 (Jul2019)

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



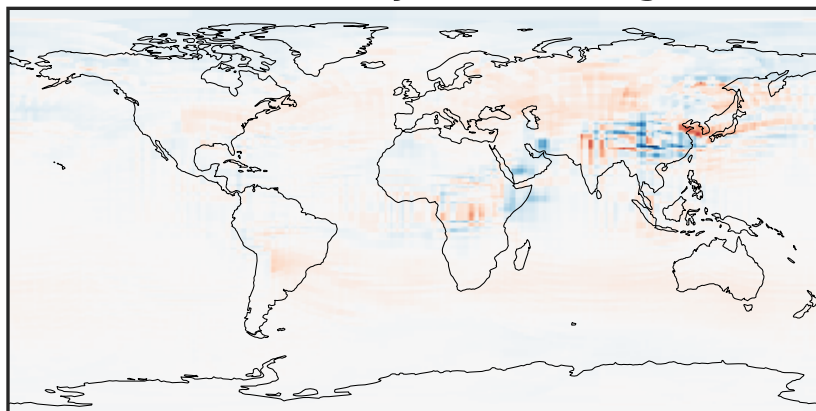
0.004 0.008 0.012
ppb

14.3.0-rc.0 (Dev)
c24



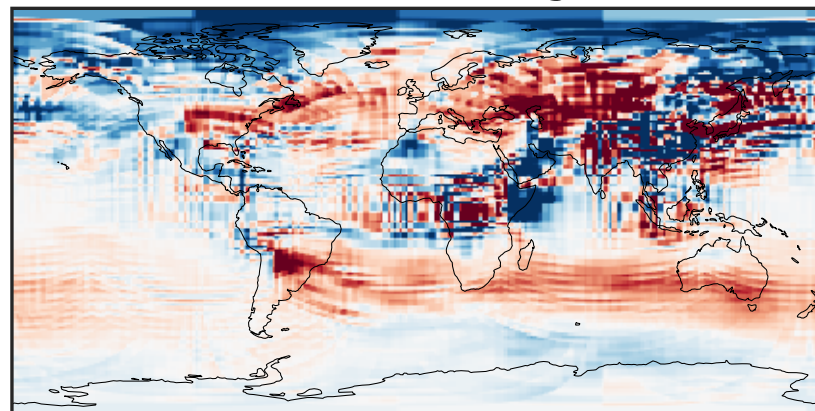
0.004 0.008 0.012
ppb

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



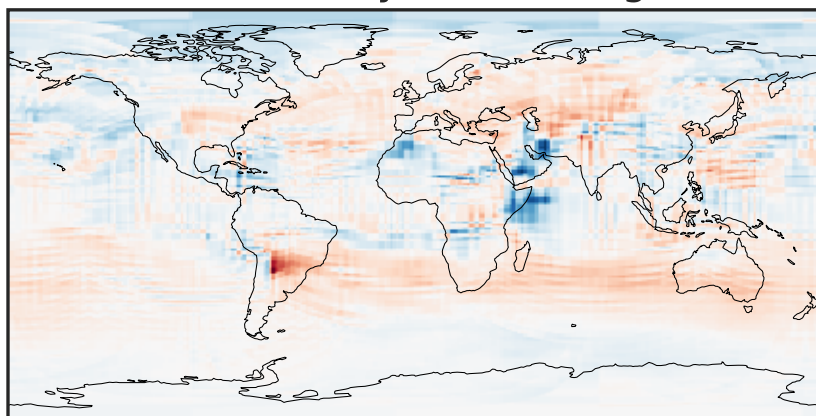
-0.0025 0.0000 0.0025
ppb

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



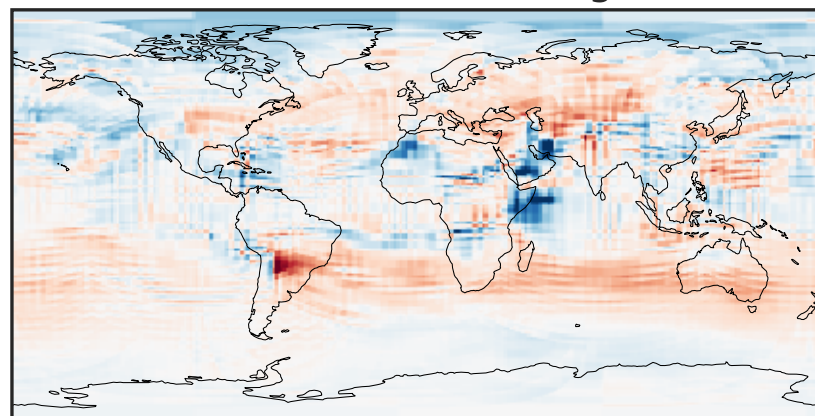
-0.0003 0.0000 0.0003
ppb

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



0.381 0.691 1.000 1.811 2.621
unitless

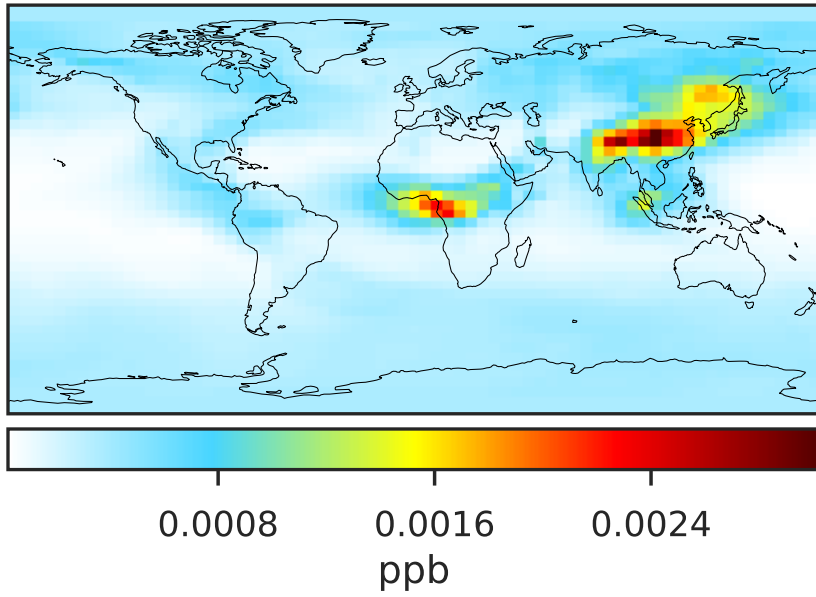
Ratio (1x1.25)
Dev/Ref, Fixed Range



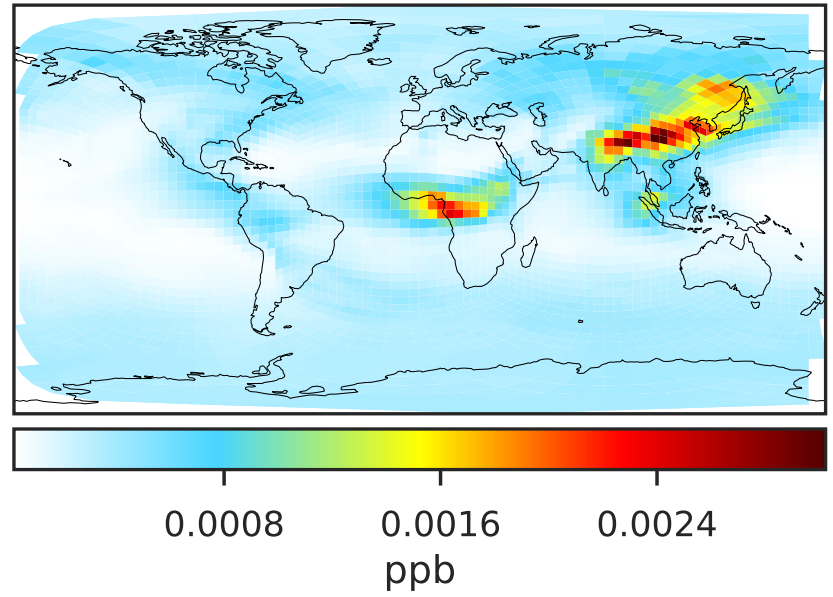
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NPRNO3 (Jul2019)

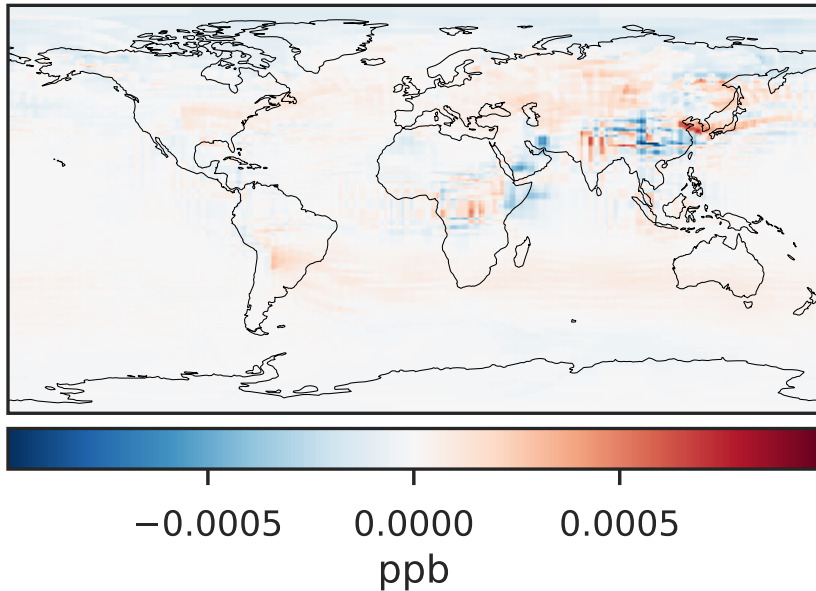
14.3.0-rc.0 (Ref)
4.0x5.0



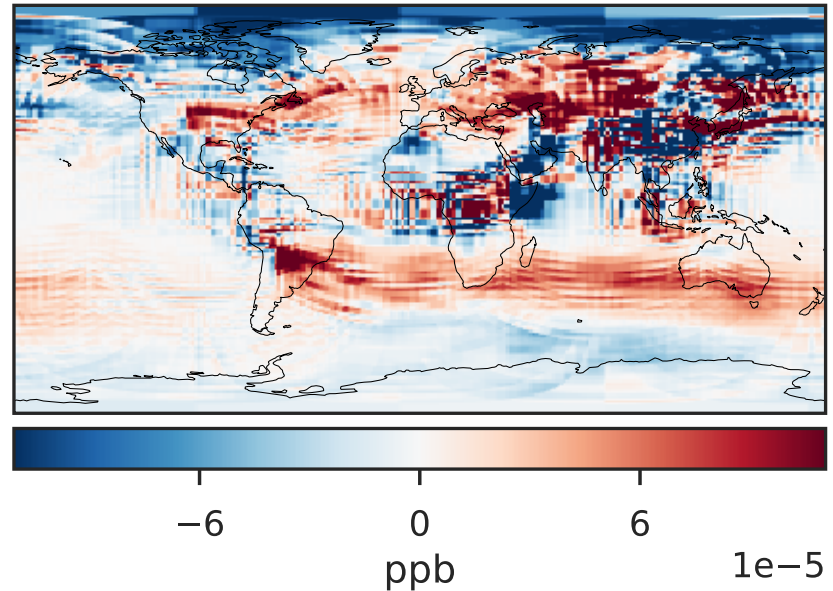
14.3.0-rc.0 (Dev)
c24



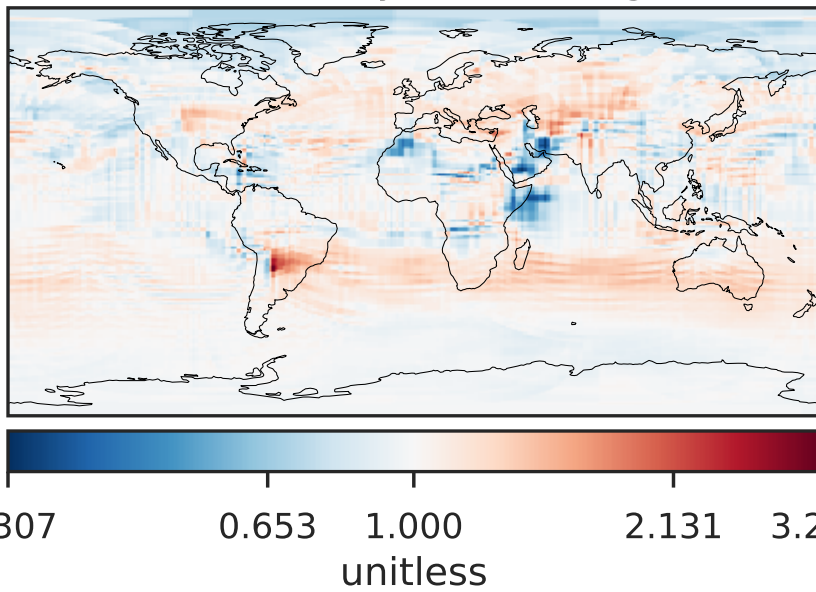
Difference (1x1.25)
Dev - Ref, Dynamic Range



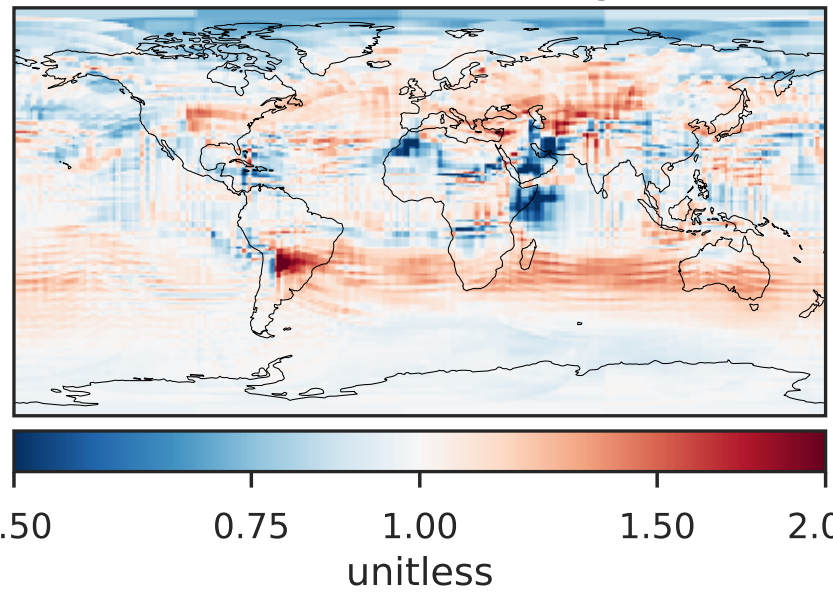
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

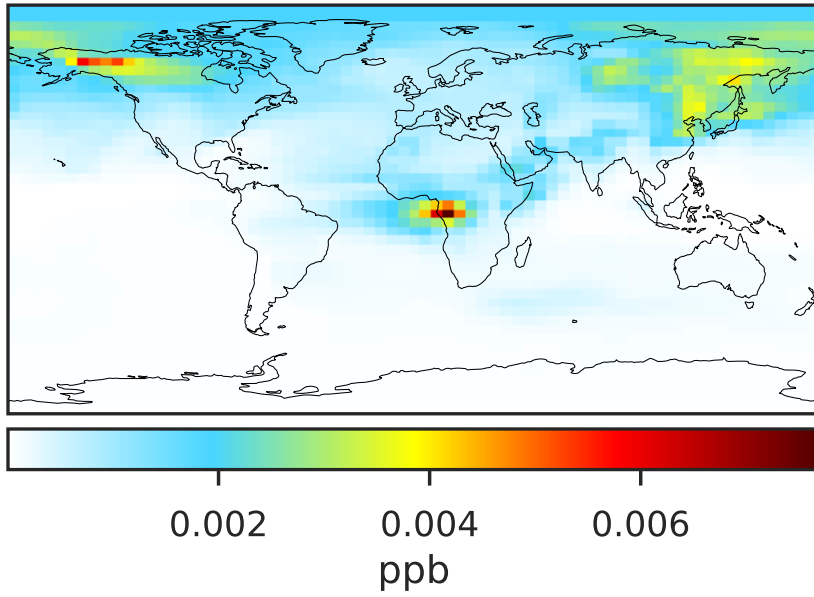


Ratio (1x1.25)
Dev/Ref, Fixed Range

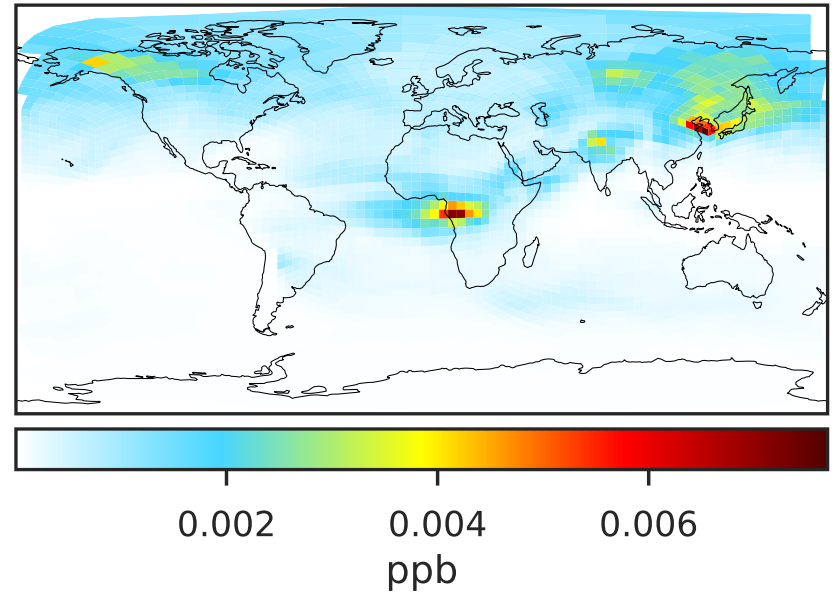


SpeciesConcVV_AONITA (Jul2019)

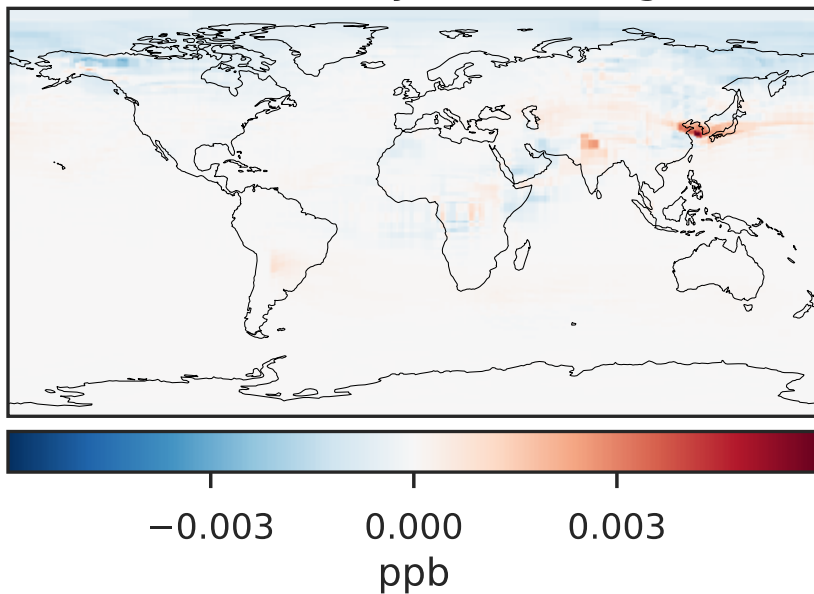
14.3.0-rc.0 (Ref)
4.0x5.0



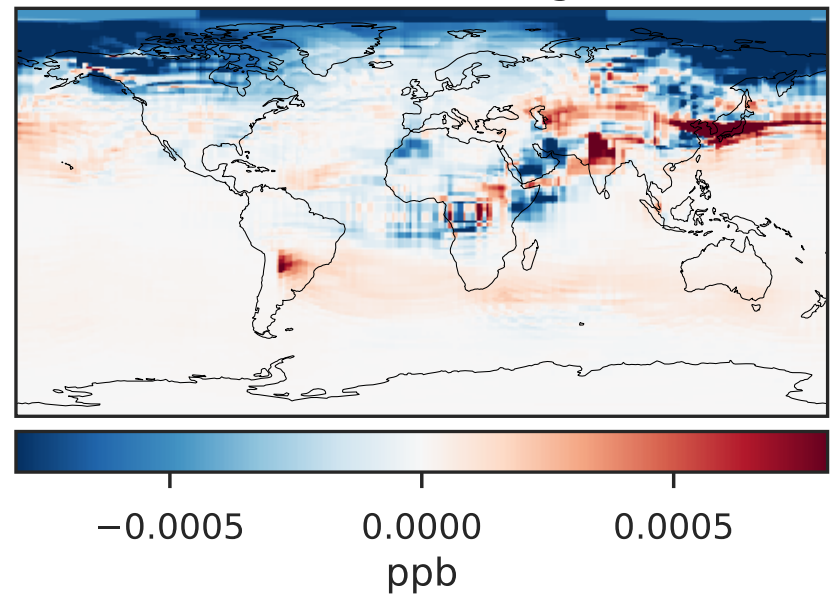
14.3.0-rc.0 (Dev)
c24



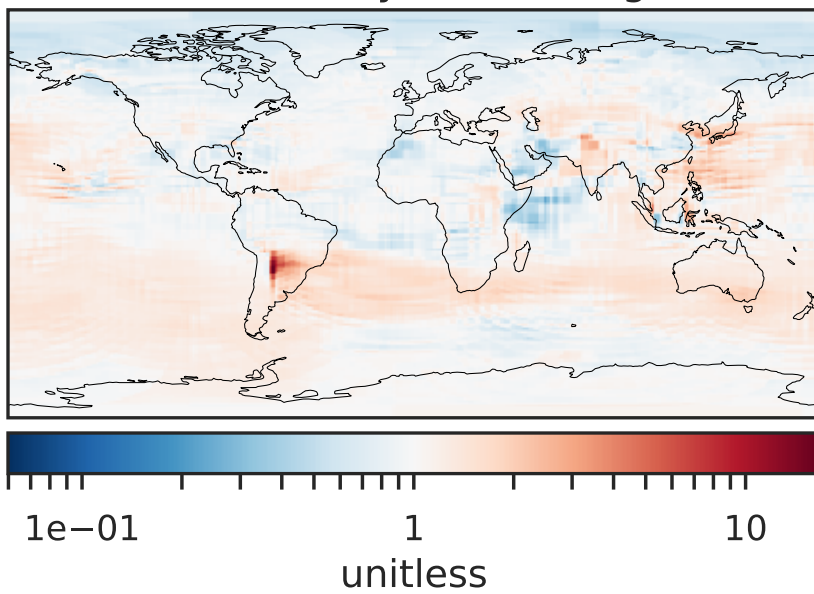
Difference (1x1.25)
Dev - Ref, Dynamic Range



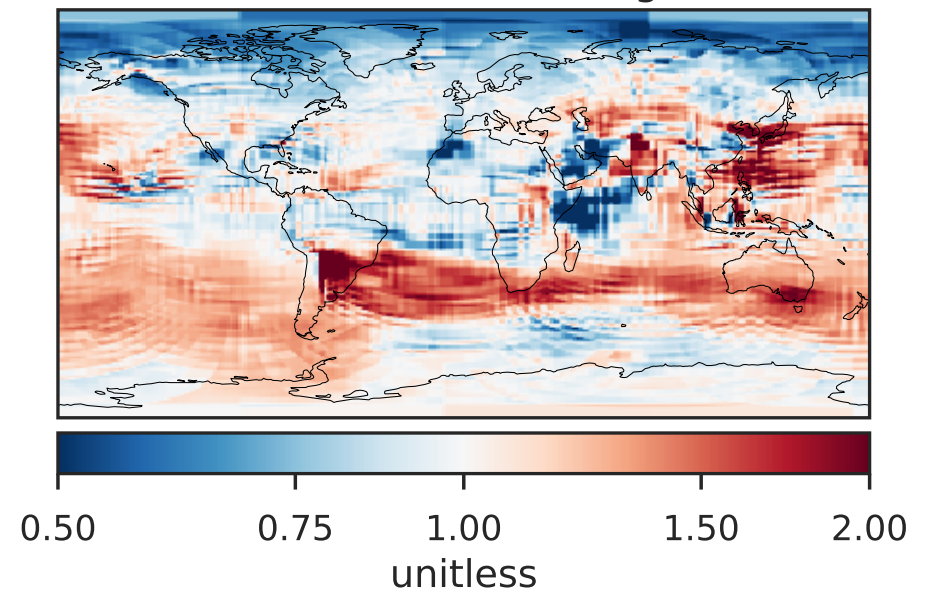
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

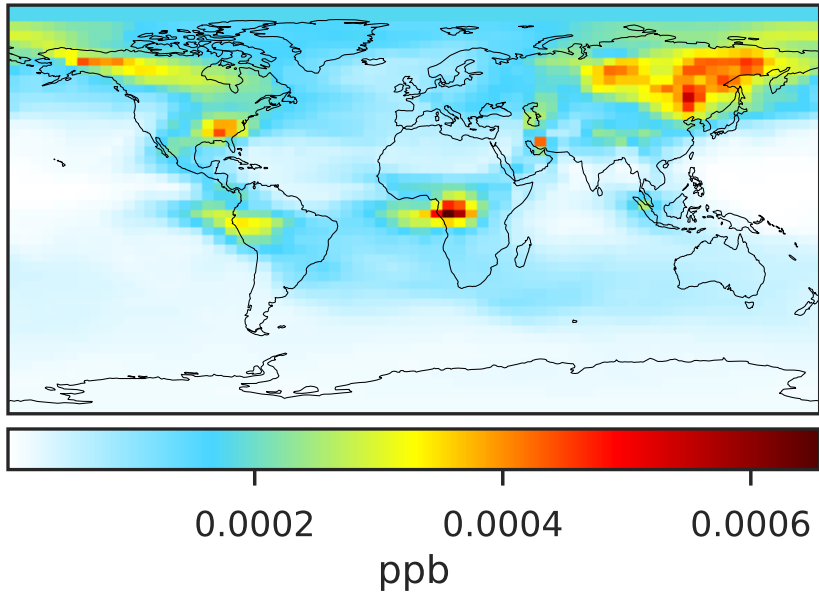


Ratio (1x1.25)
Dev/Ref, Fixed Range

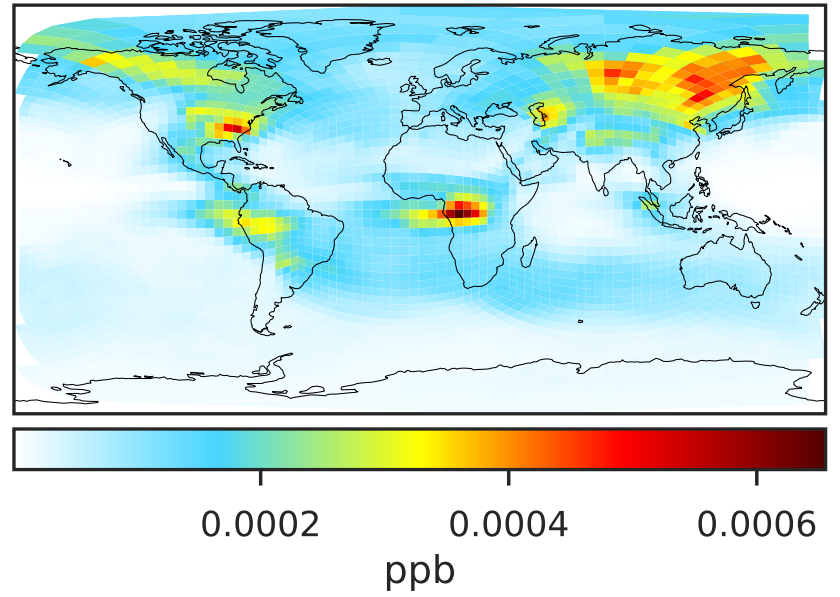


SpeciesConcVV_ETHN (Jul2019)

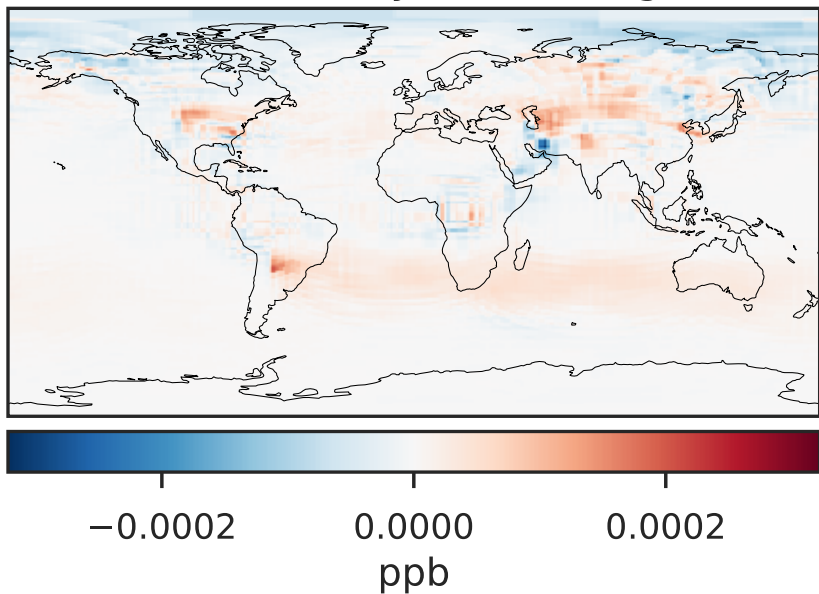
14.3.0-rc.0 (Ref)
4.0x5.0



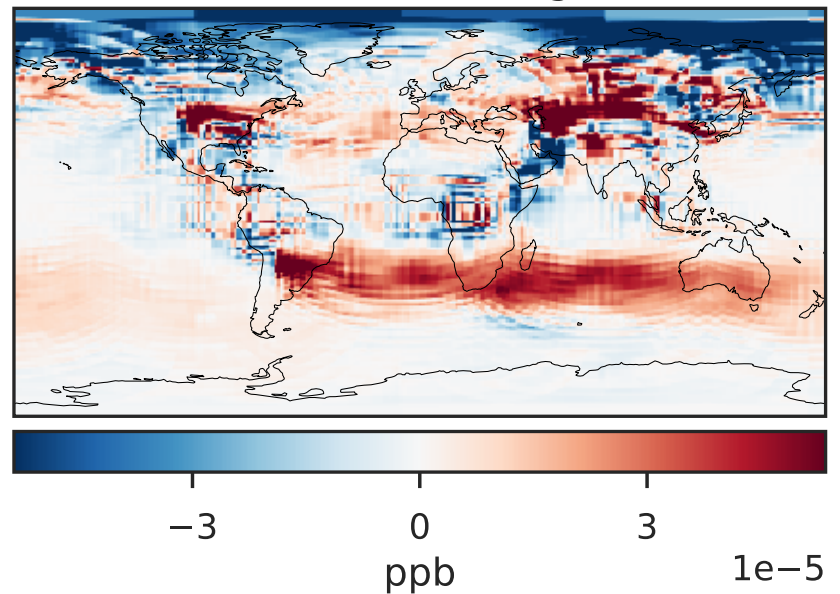
14.3.0-rc.0 (Dev)
c24



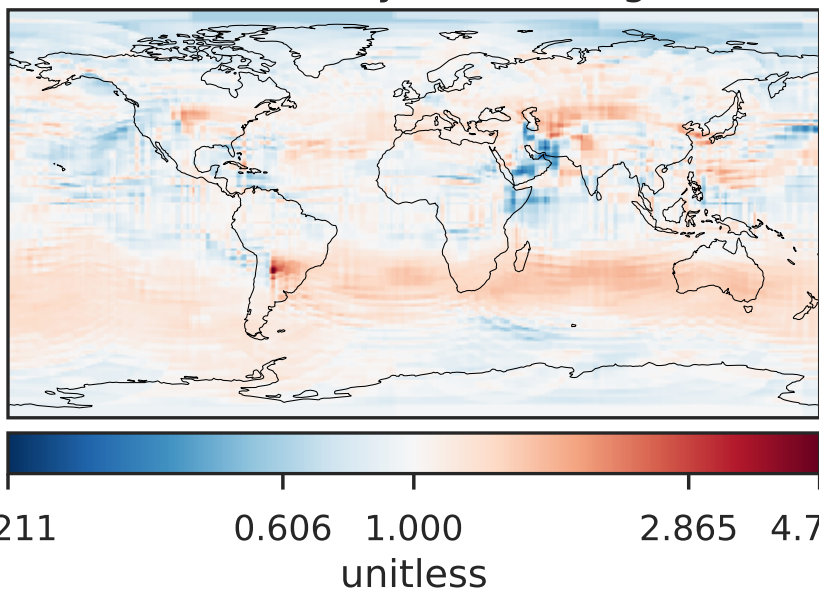
Difference (1x1.25)
Dev - Ref, Dynamic Range



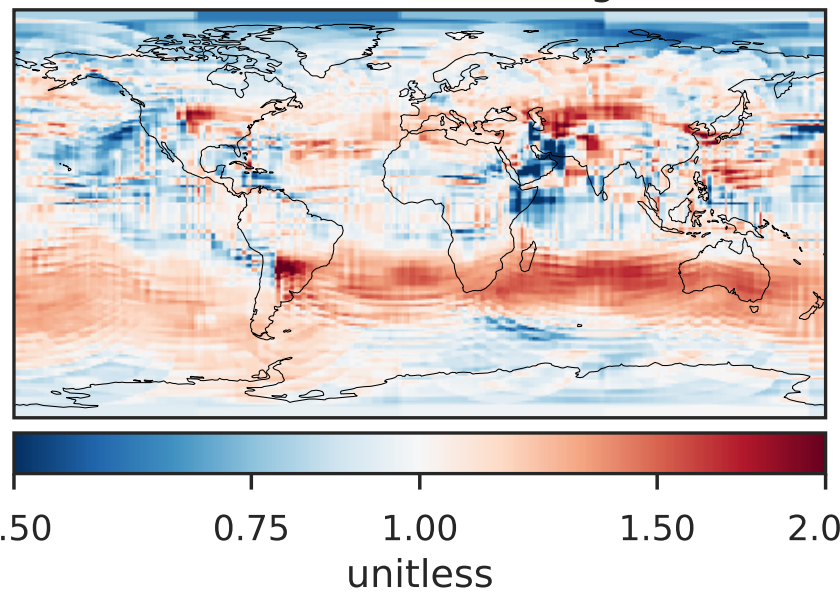
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

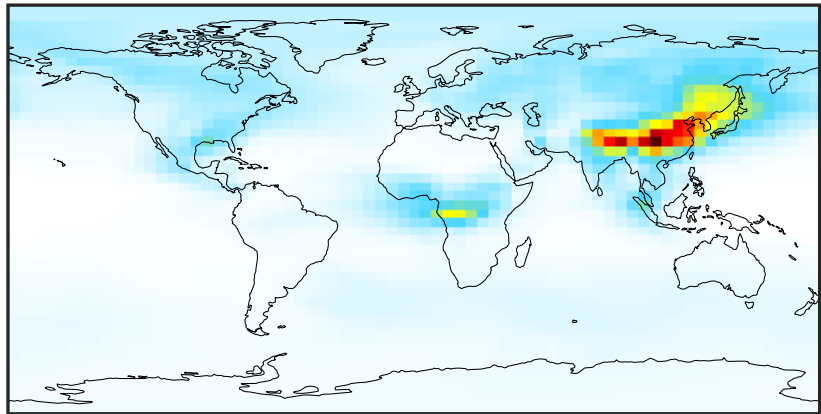


Ratio (1x1.25)
Dev/Ref, Fixed Range



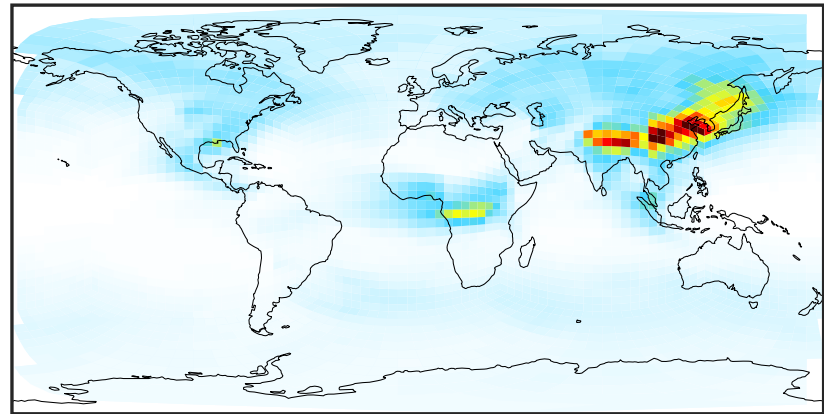
SpeciesConcVV_BZPAN (Jul2019)

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



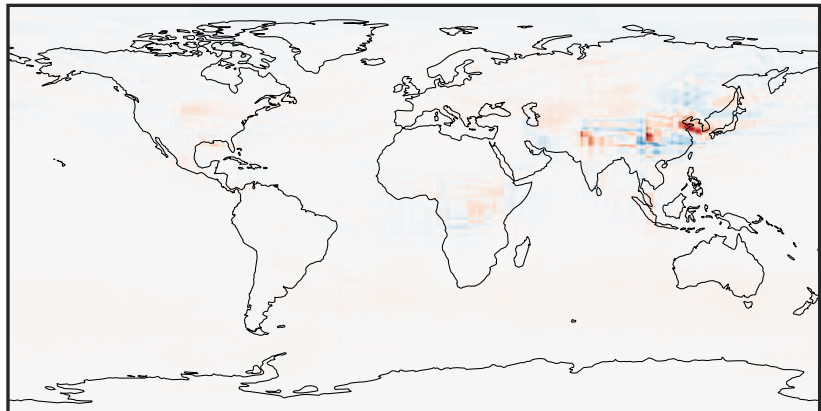
0.0002 0.0004 0.0006
ppb

14.3.0-rc.0 (Dev)
c24



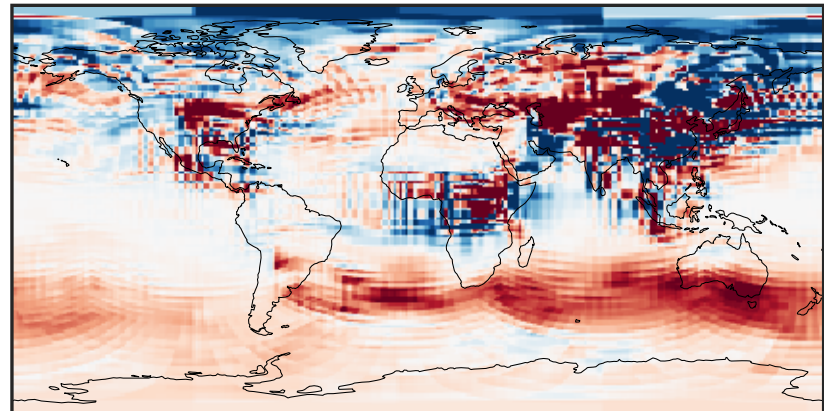
0.0002 0.0004 0.0006
ppb

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



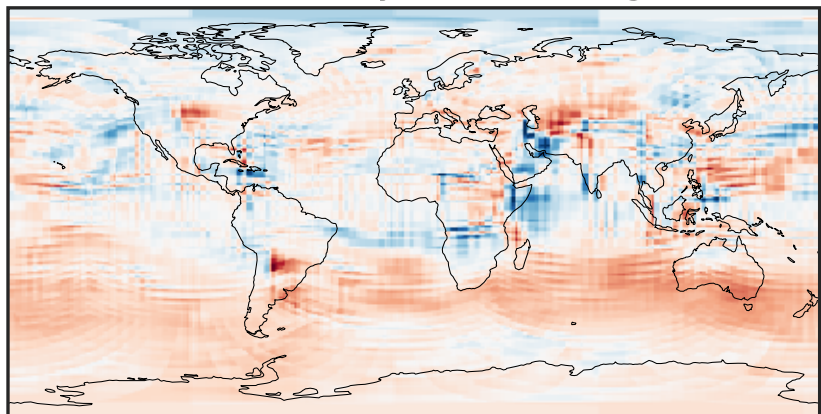
-0.0002 0.0000 0.0002
ppb

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



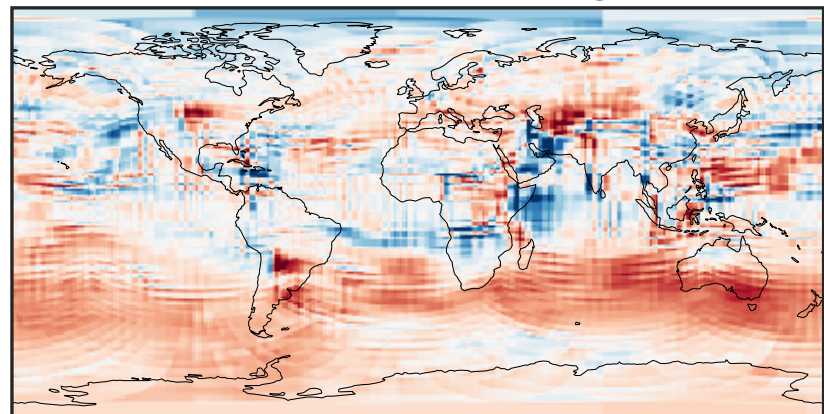
-8 0 8
ppb $1e-6$

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



0.348 0.674 1.000 1.935 2.870
unitless

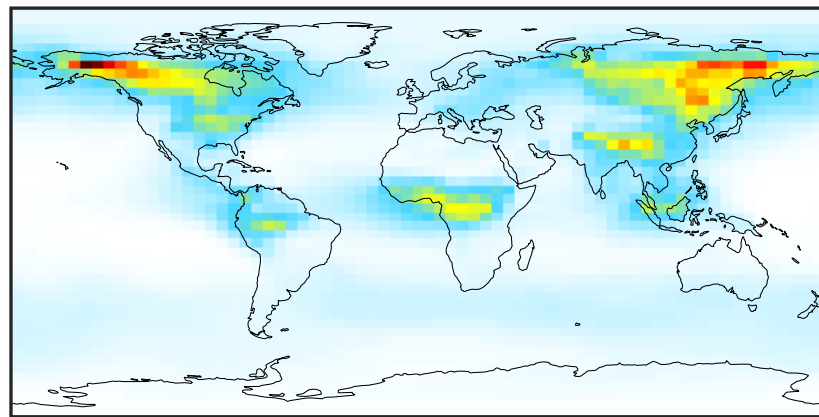
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

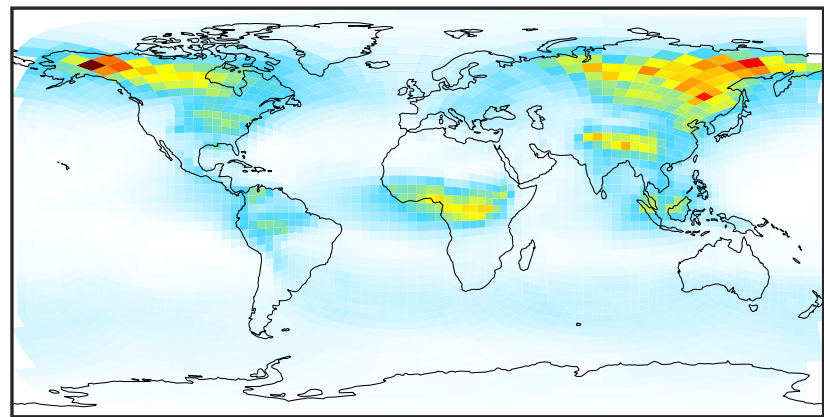
SpeciesConcVV_NPHEN (Jul2019)

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



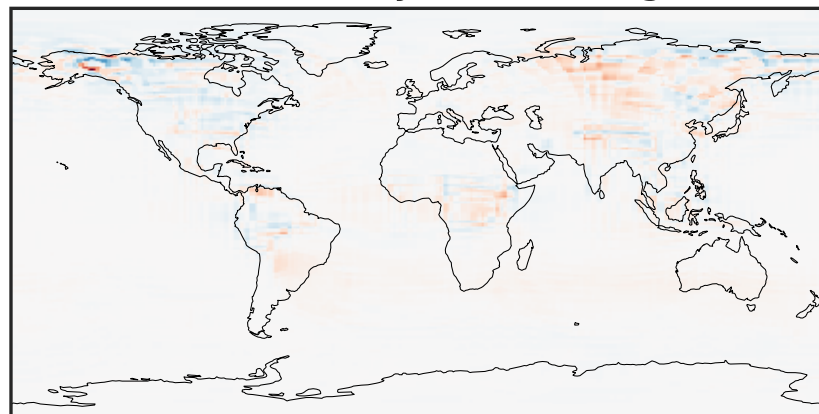
0.00008 0.00016 0.00024
ppb

14.3.0-rc.0 (Dev)
c24



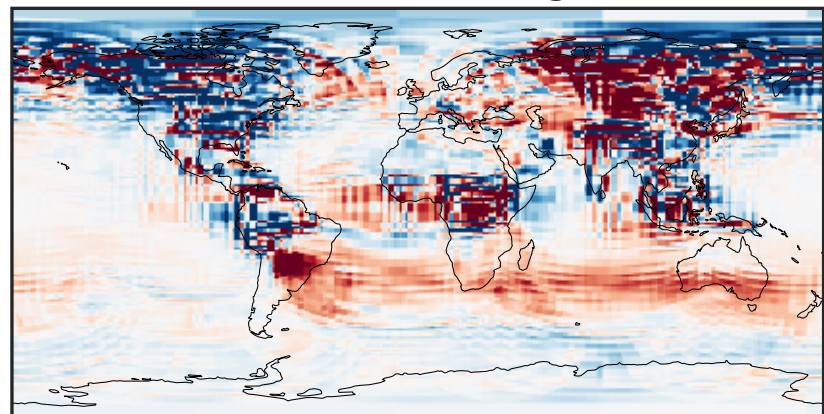
0.00008 0.00016 0.00024
ppb

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



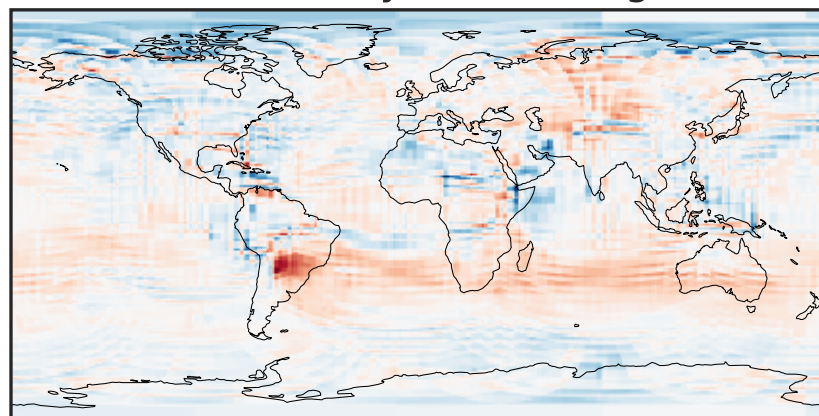
-0.0001 0.0000 0.0001
ppb

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



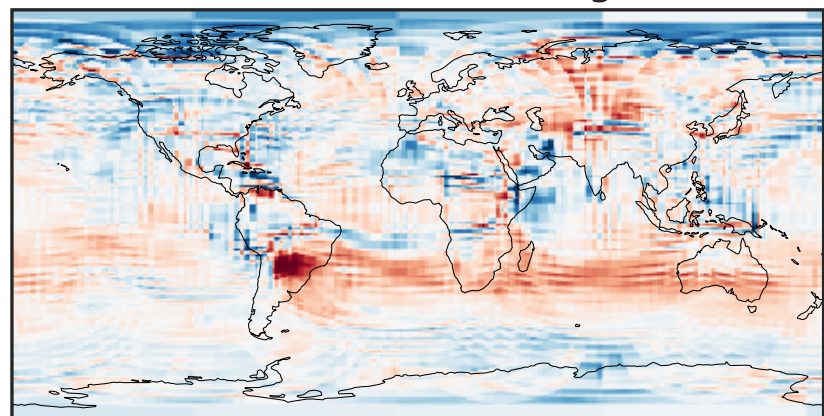
-6 0 6
ppb $1e-6$

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



0.323 0.662 1.000 2.047 3.094
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless