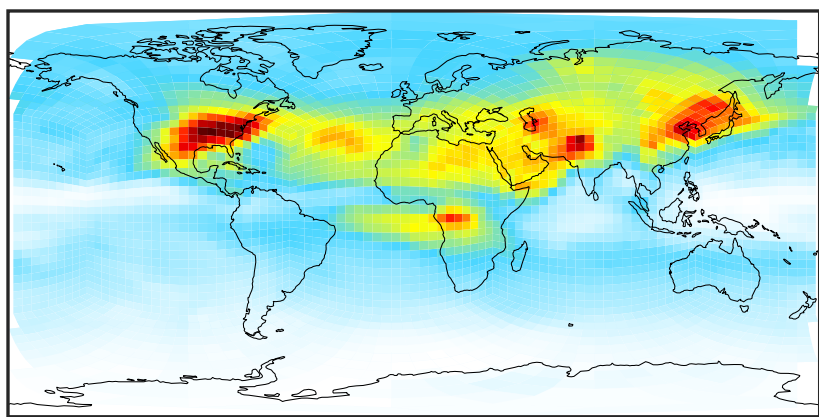


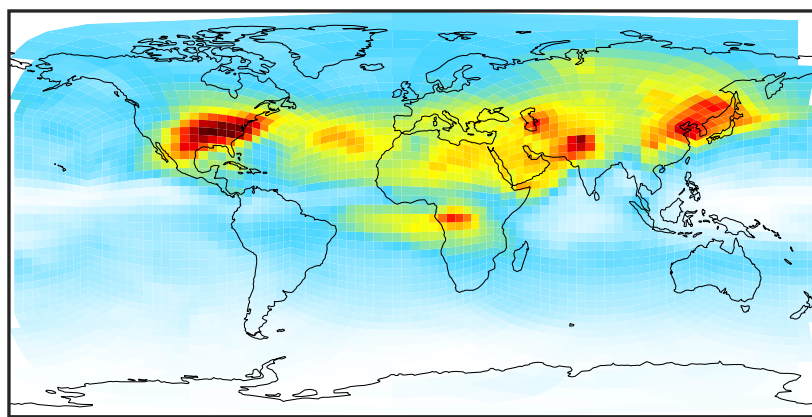
SpeciesConcVV_NOy (Jul2019)

14.2.0-rc.2 (Ref)
c24



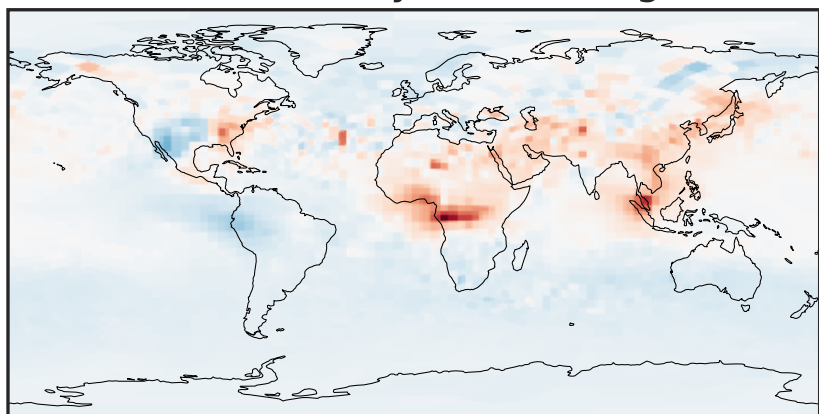
0.039 0.398 0.757 1.116 1.475
ppb

14.3.0-rc.0 (Dev)
c24



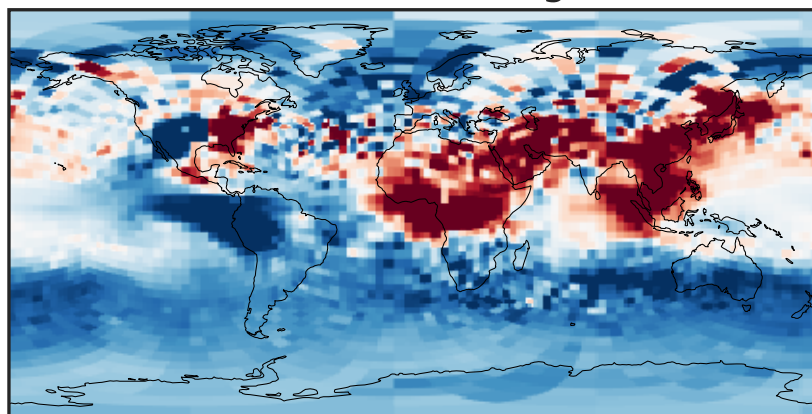
0.039 0.398 0.757 1.116 1.475
ppb

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



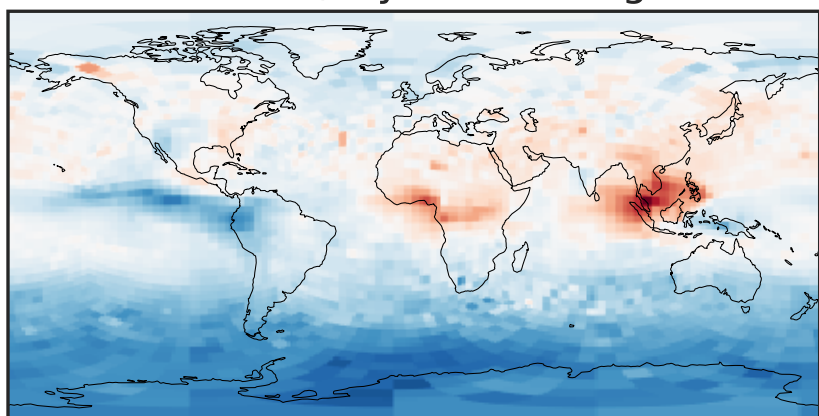
-0.008 0.000 0.008
ppb

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



-0.0015 0.0000 0.0015
ppb

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



0.97529 0.98764 1.00000 1.01267 1.02534
unitless

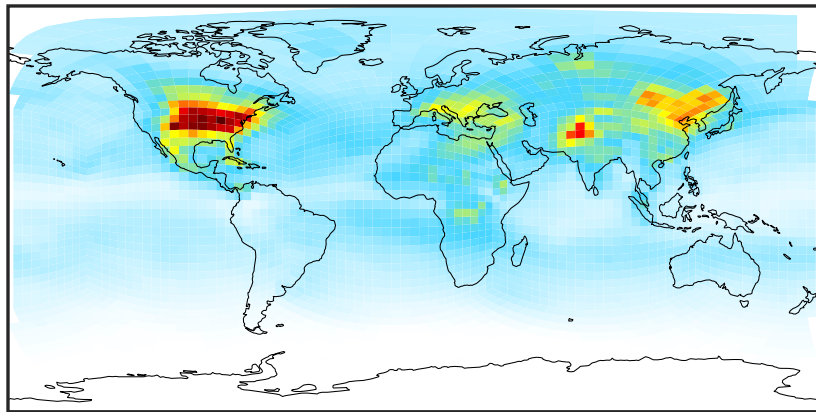
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

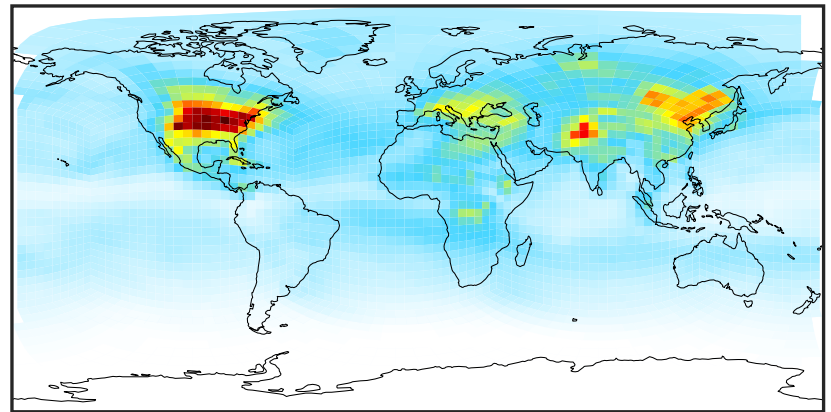
SpeciesConcVV_NOx (Jul2019)

14.2.0-rc.2 (Ref)
c24



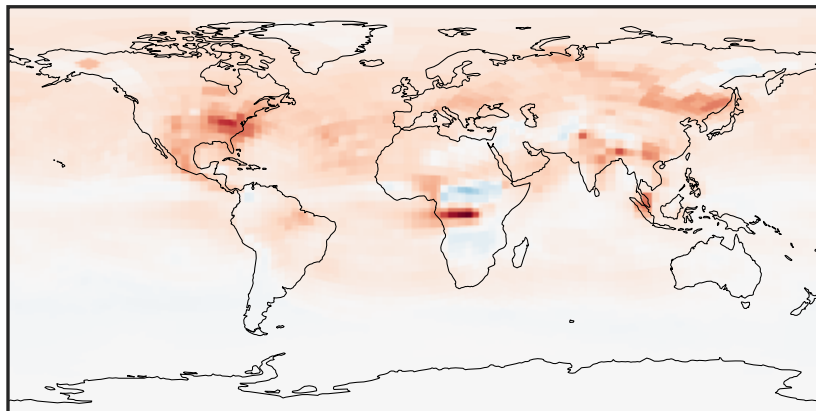
0.0002 0.0738 0.1474 0.2211 0.2947
ppb

14.3.0-rc.0 (Dev)
c24



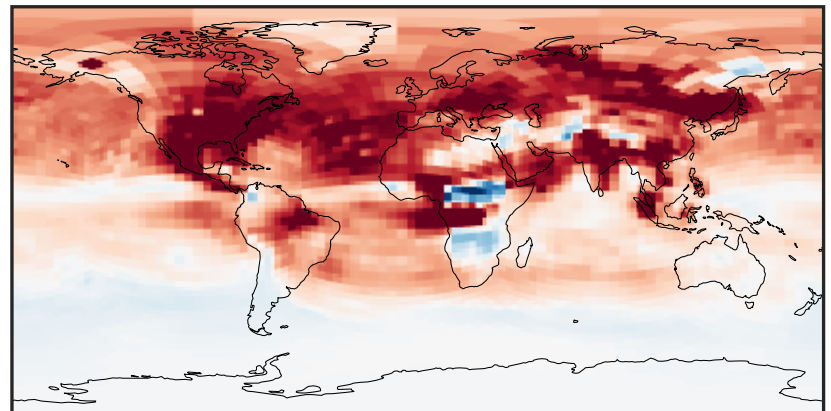
0.0002 0.0738 0.1474 0.2211 0.2947
ppb

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



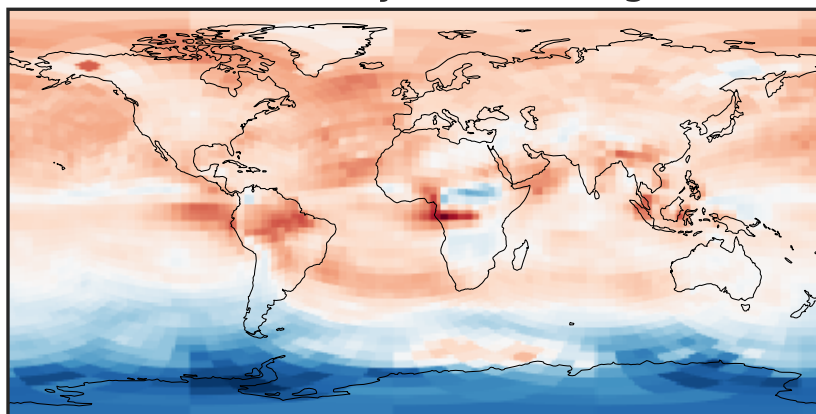
-0.0025 0.0000 0.0025
ppb

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



-0.0006 0.0000 0.0006
ppb

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



0.95223 0.97612 1.00000 1.02508 1.05017
unitless

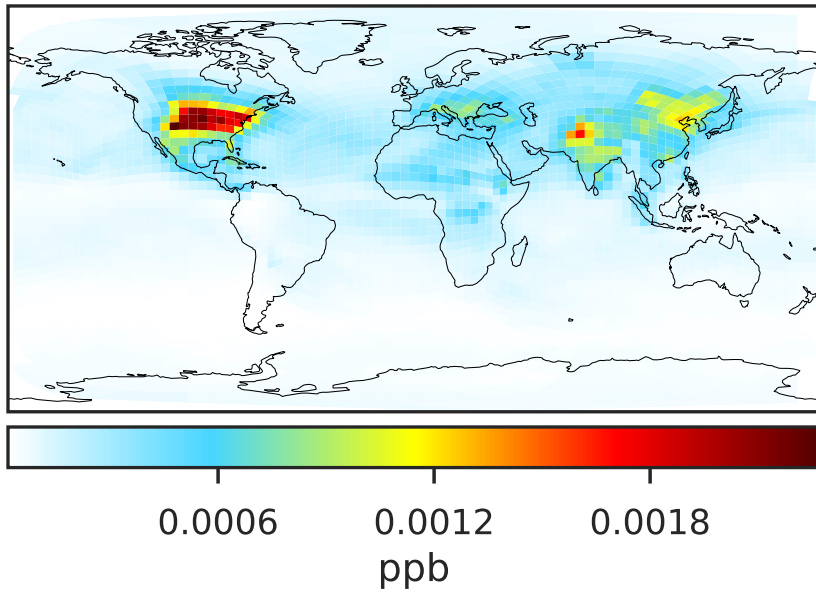
Ratio (1x1.25)
Dev/Ref, Fixed Range



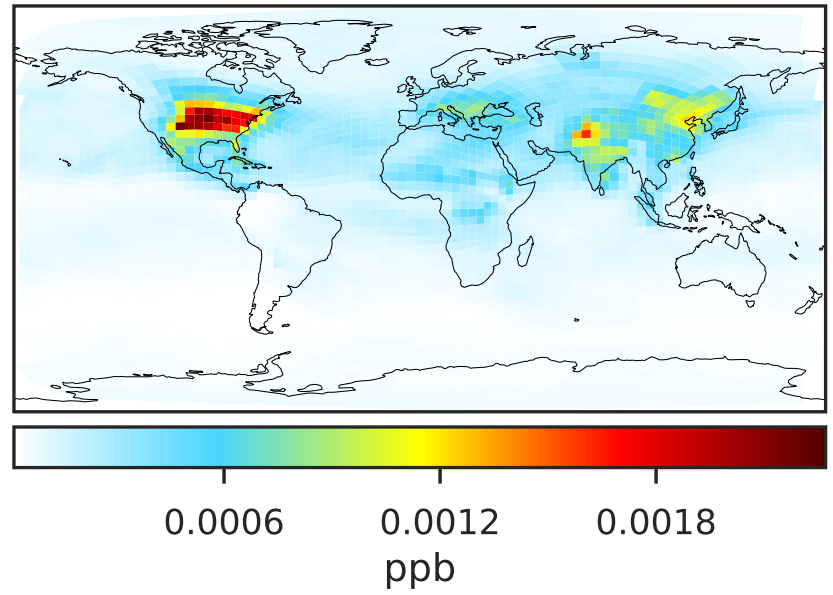
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO2 (Jul2019)

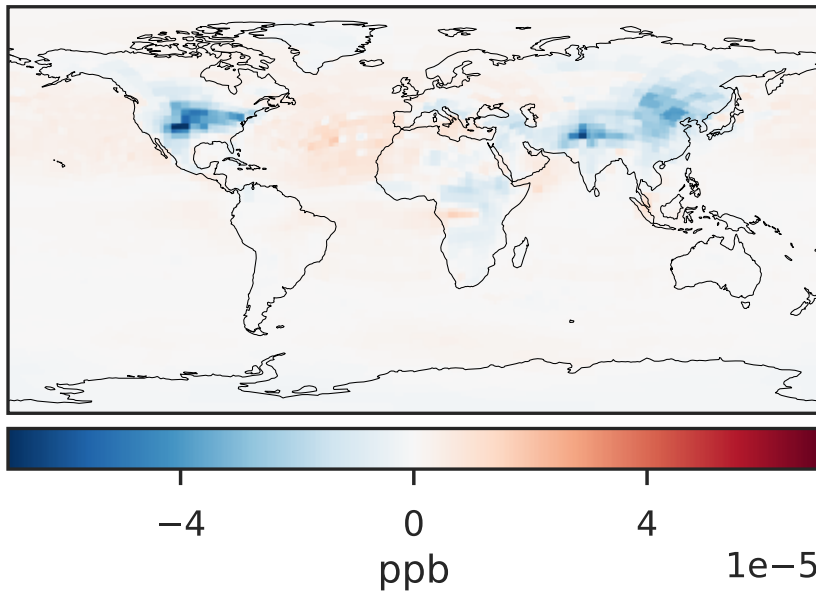
14.2.0-rc.2 (Ref)
c24



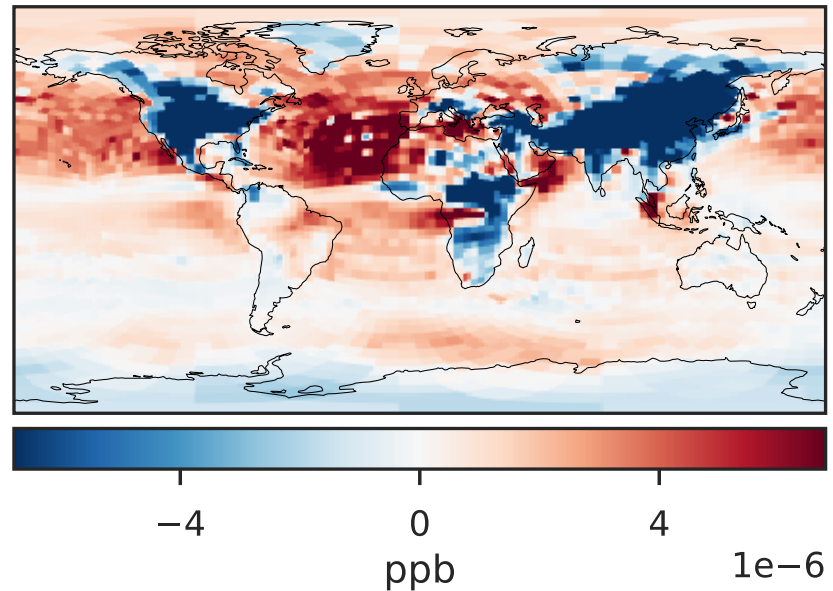
14.3.0-rc.0 (Dev)
c24



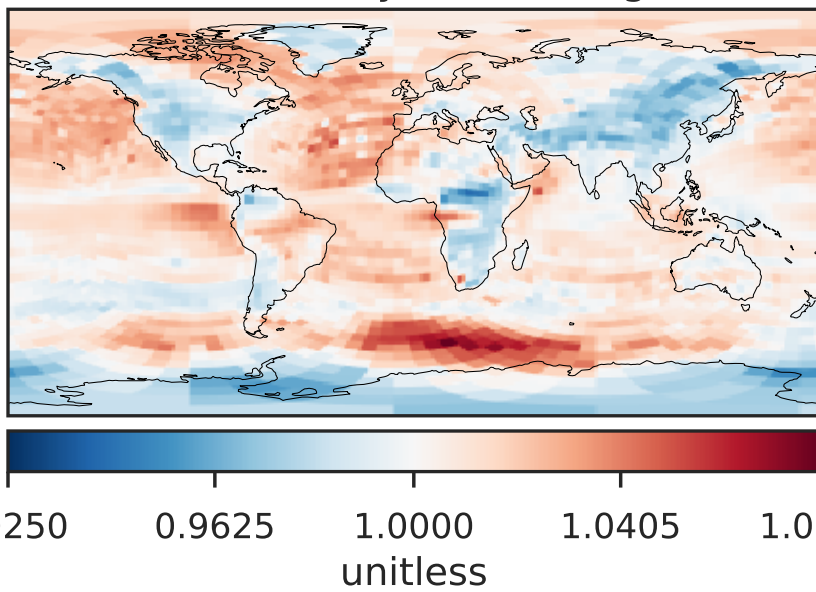
Difference (1x1.25)
Dev - Ref, Dynamic Range



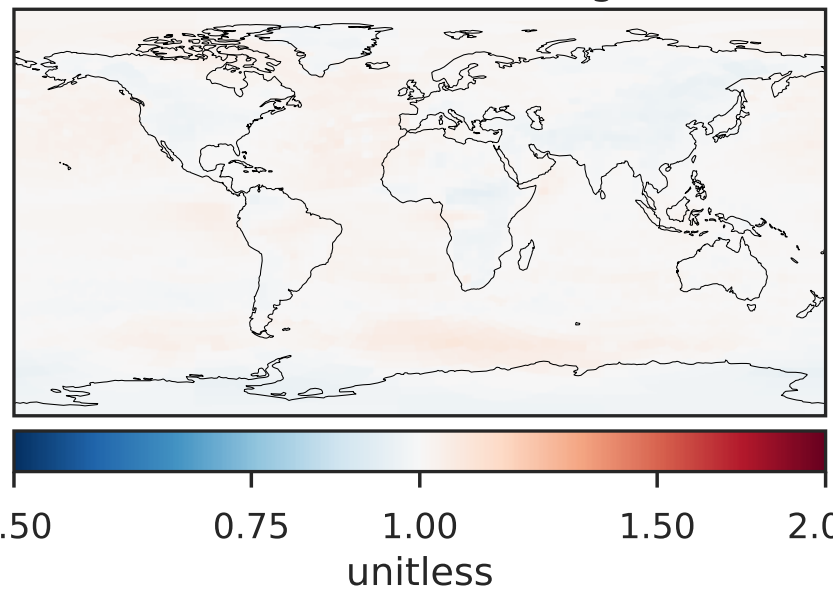
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

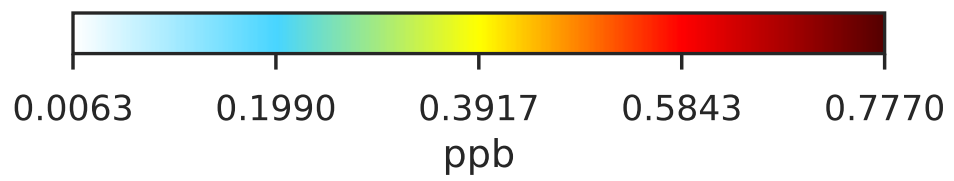
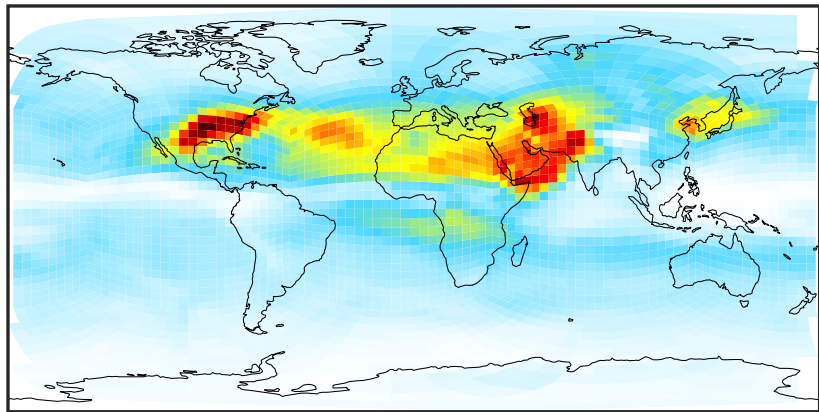


Ratio (1x1.25)
Dev/Ref, Fixed Range

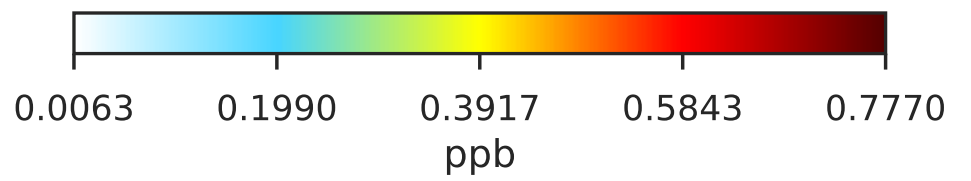
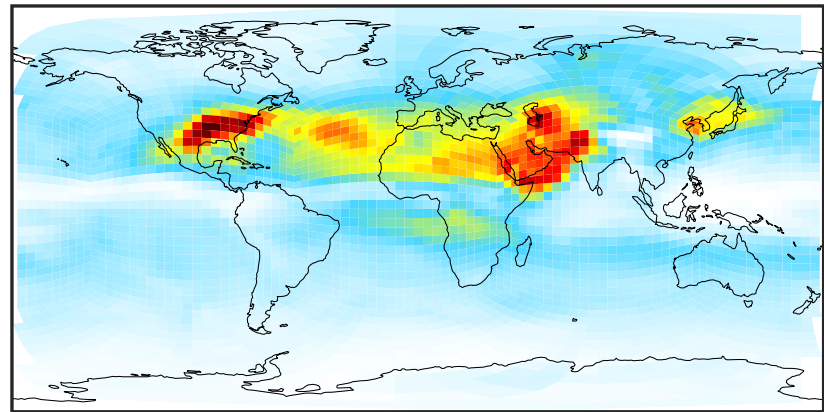


SpeciesConcVV_HNO3 (Jul2019)

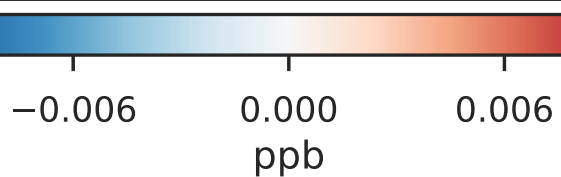
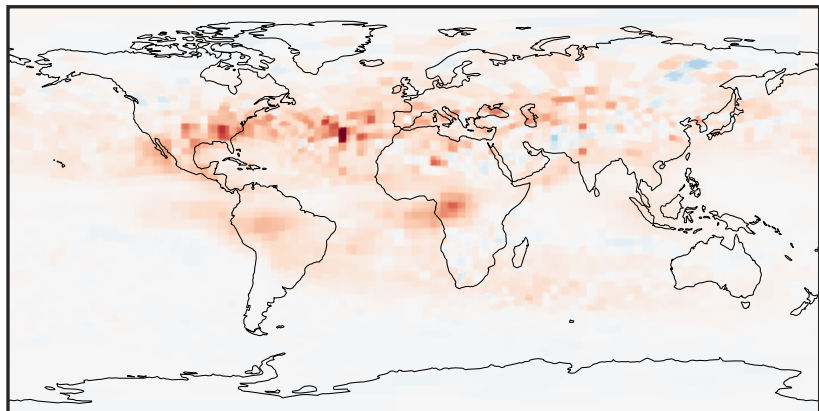
14.2.0-rc.2 (Ref)
c24



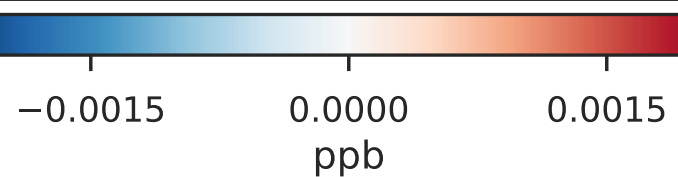
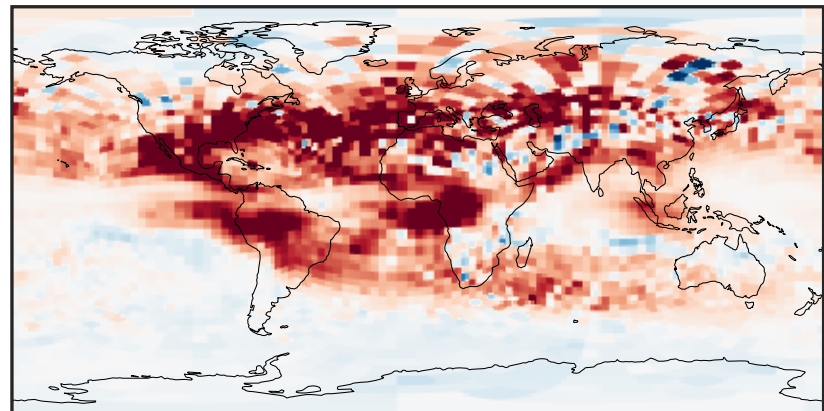
14.3.0-rc.0 (Dev)
c24



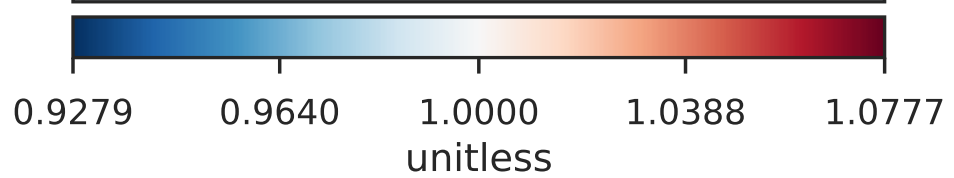
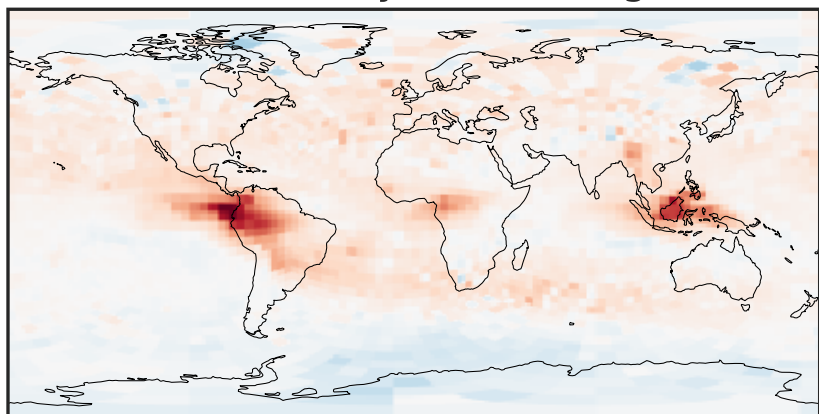
Difference (1x1.25)
Dev - Ref, Dynamic Range



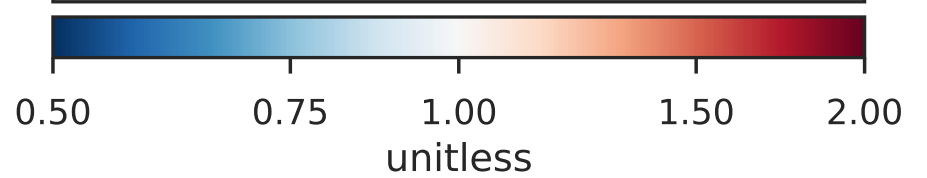
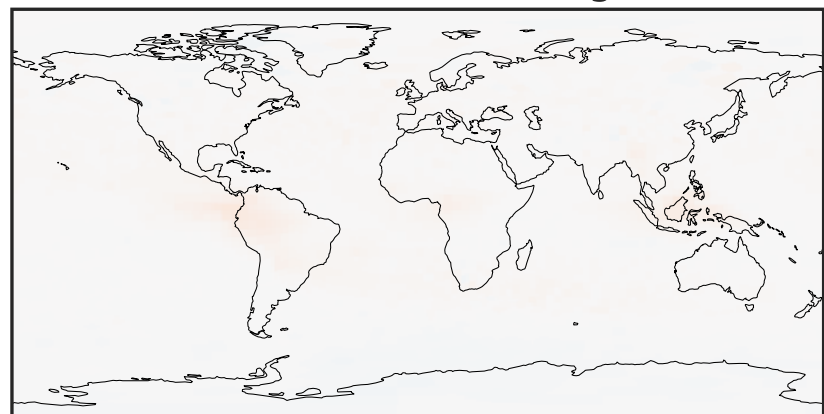
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

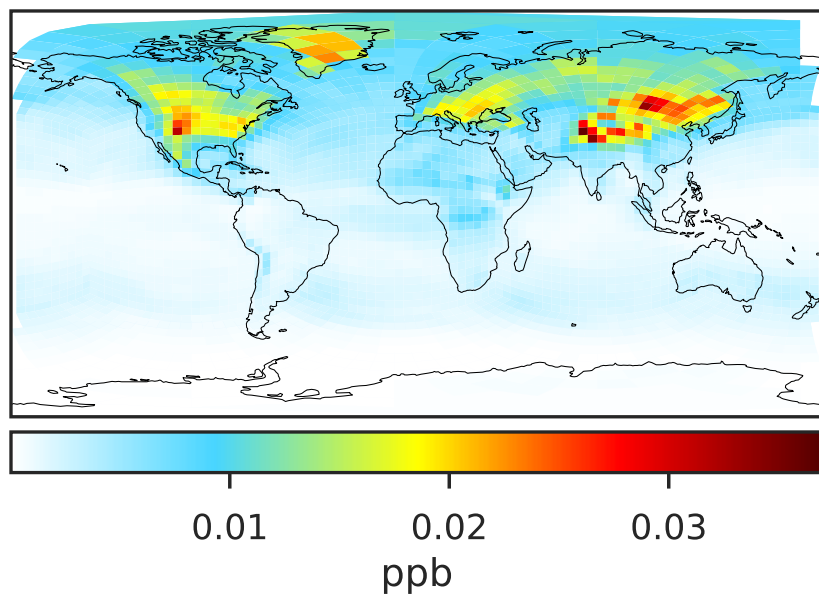


Ratio (1x1.25)
Dev/Ref, Fixed Range

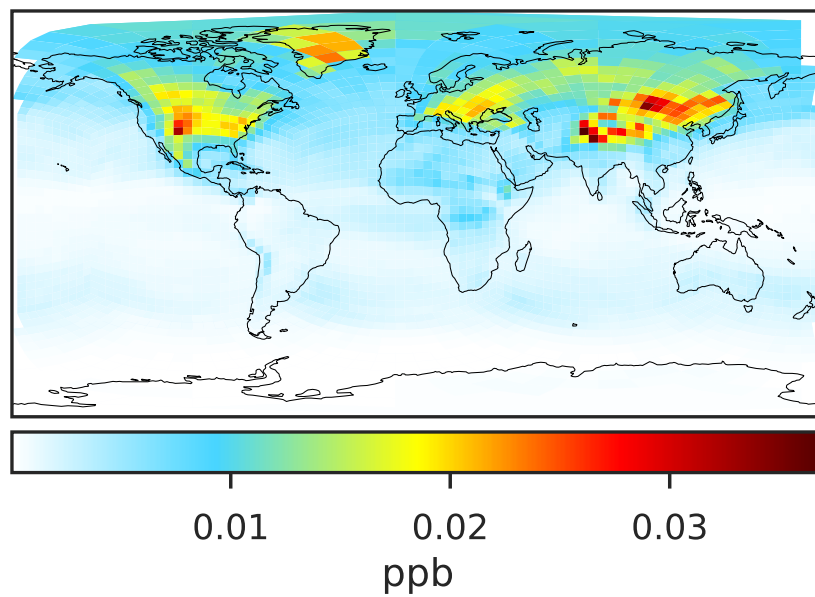


SpeciesConcVV_HNO4 (Jul2019)

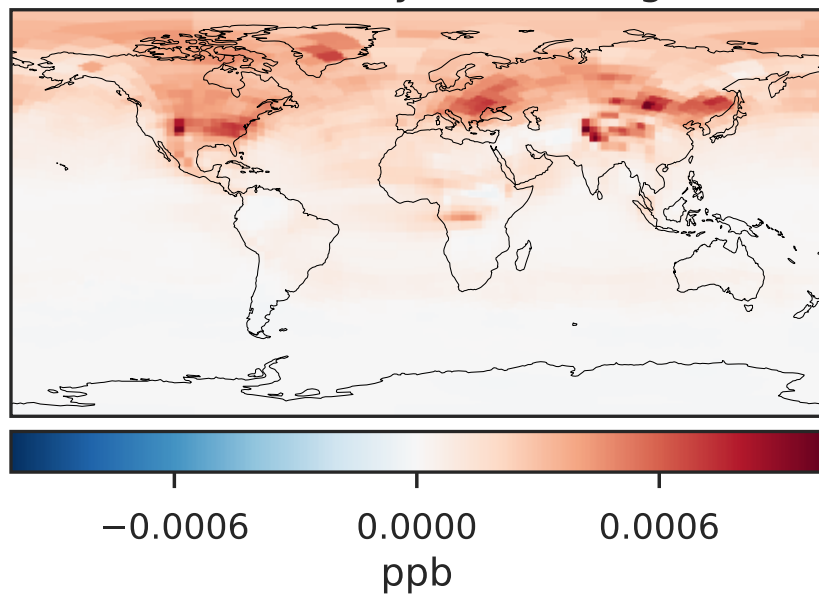
14.2.0-rc.2 (Ref)
c24



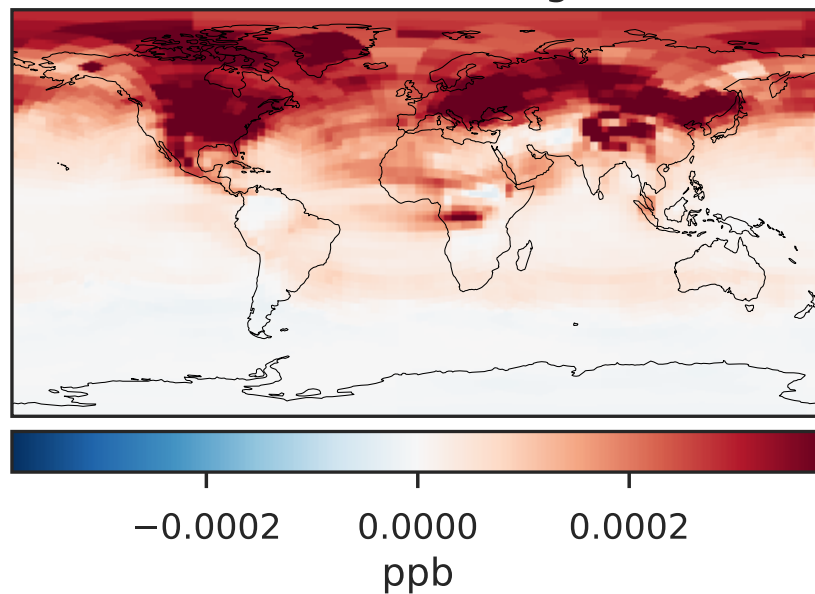
14.3.0-rc.0 (Dev)
c24



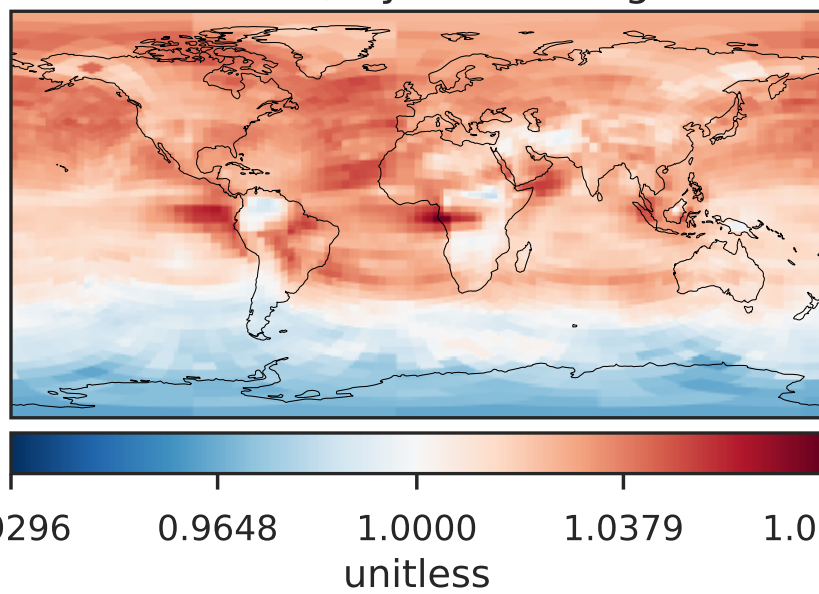
Difference (1x1.25)
Dev - Ref, Dynamic Range



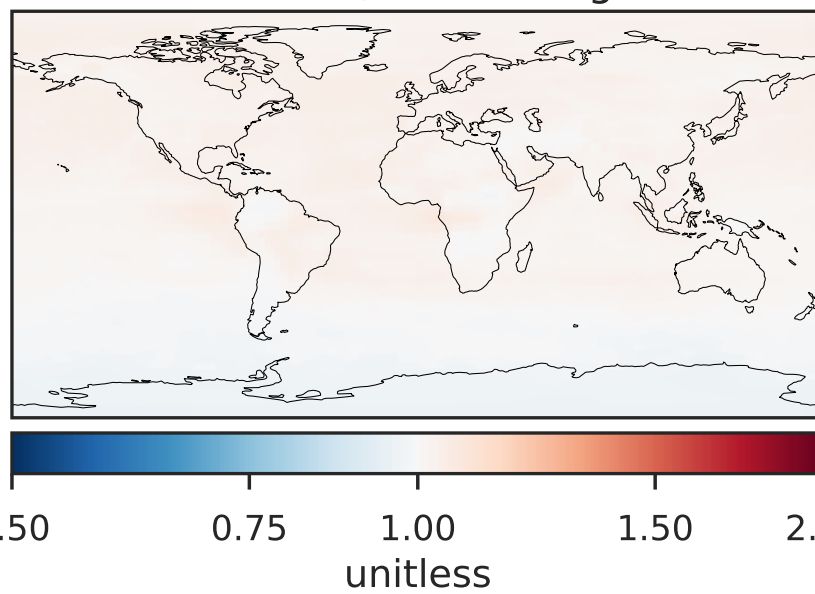
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

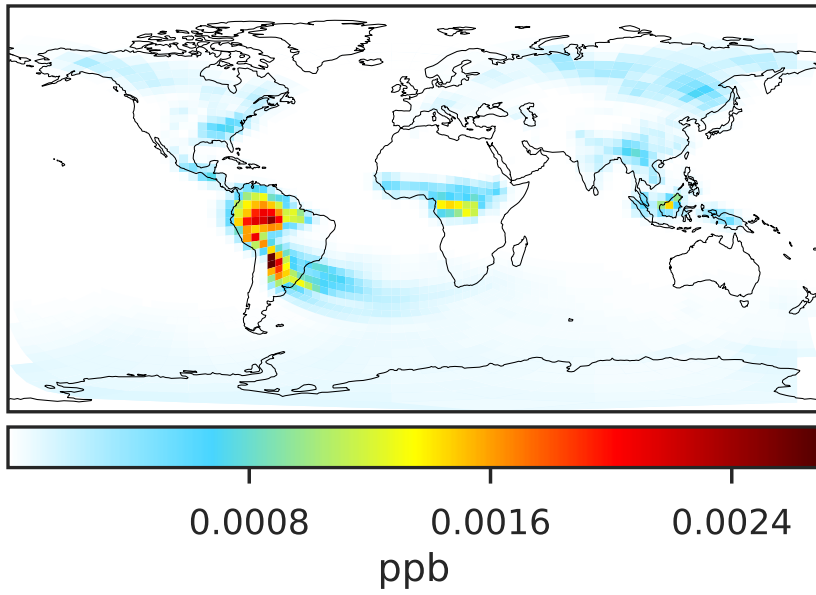


Ratio (1x1.25)
Dev/Ref, Fixed Range

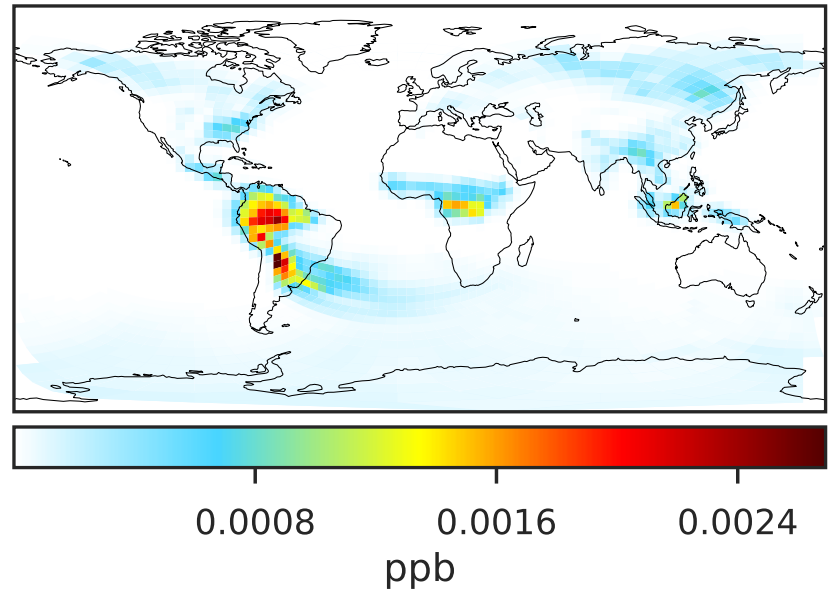


SpeciesConcVV_MPAN (Jul2019)

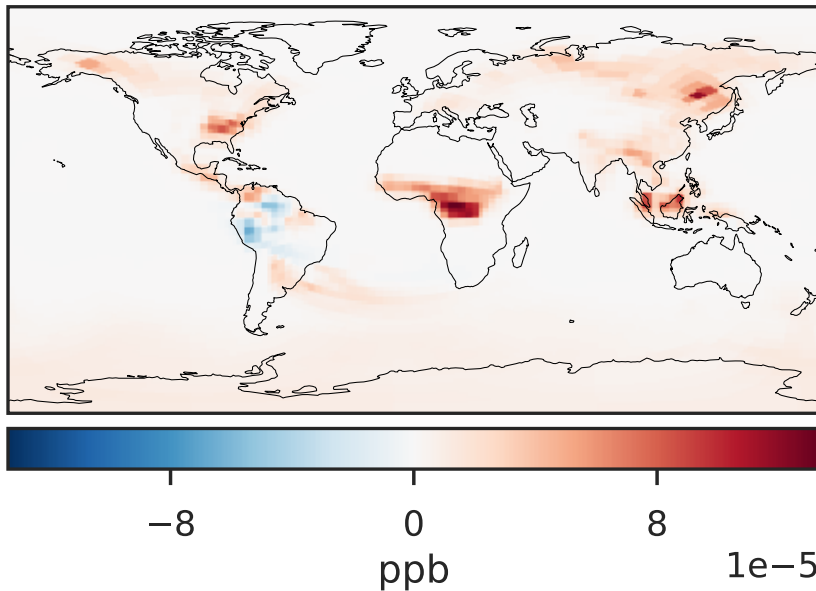
14.2.0-rc.2 (Ref)
c24



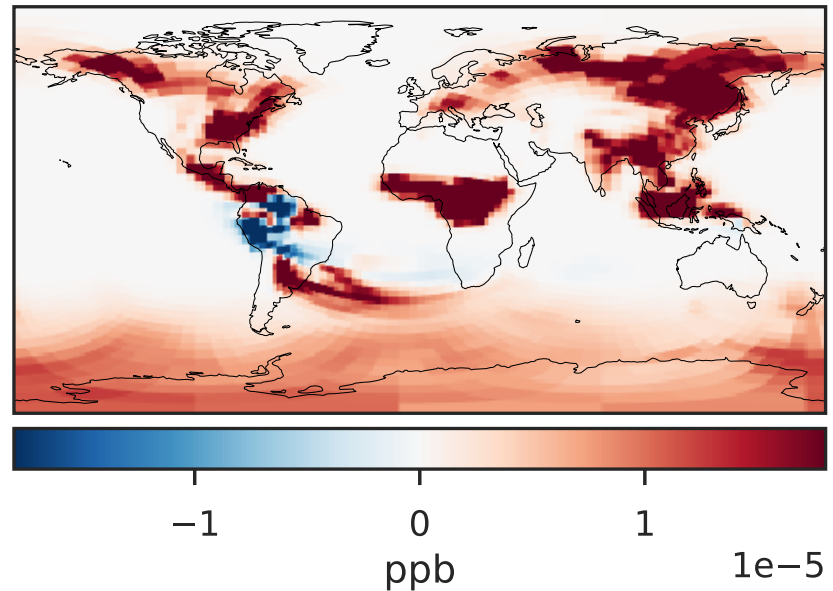
14.3.0-rc.0 (Dev)
c24



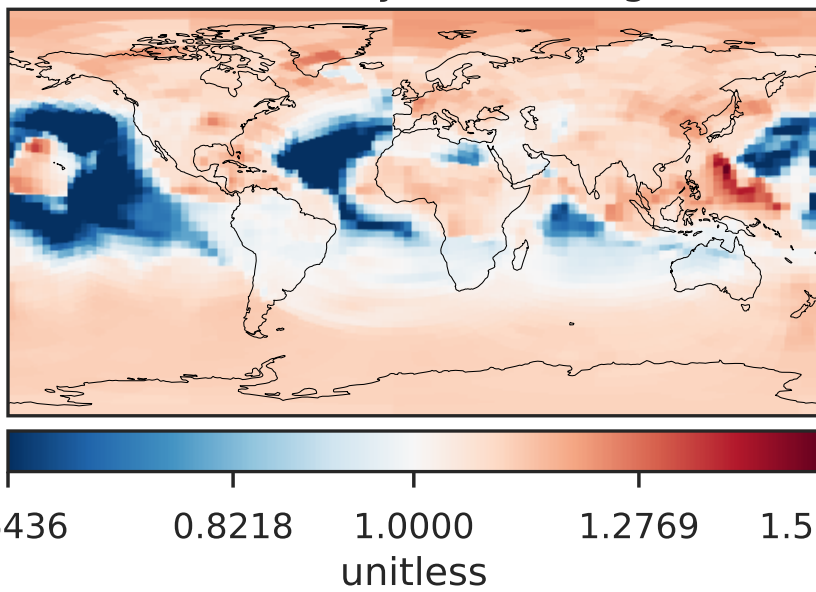
Difference (1x1.25)
Dev - Ref, Dynamic Range



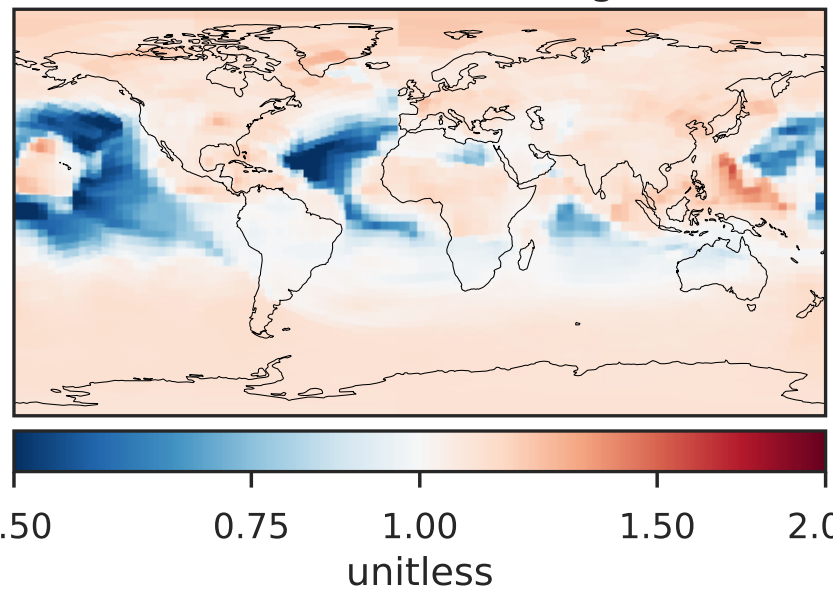
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

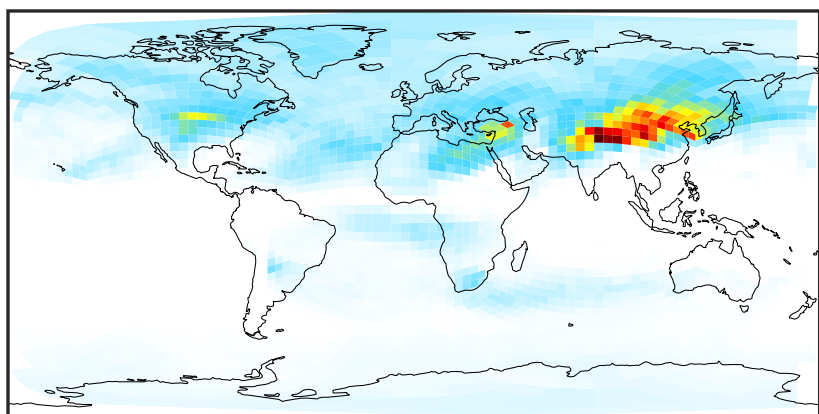


Ratio (1x1.25)
Dev/Ref, Fixed Range



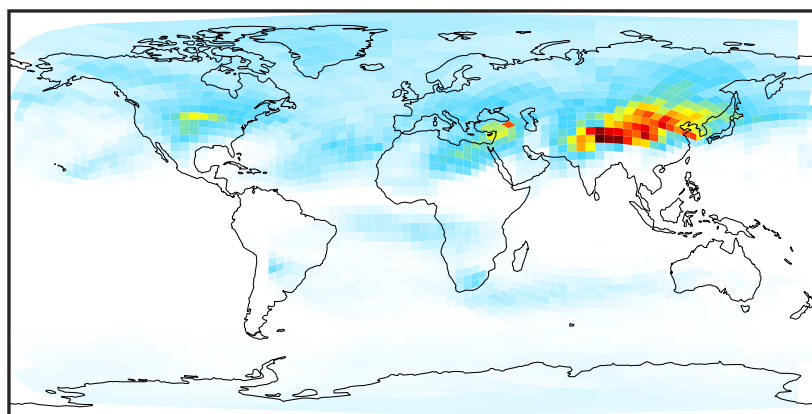
SpeciesConcVV_NIT (Jul2019)

14.2.0-rc.2 (Ref)
c24



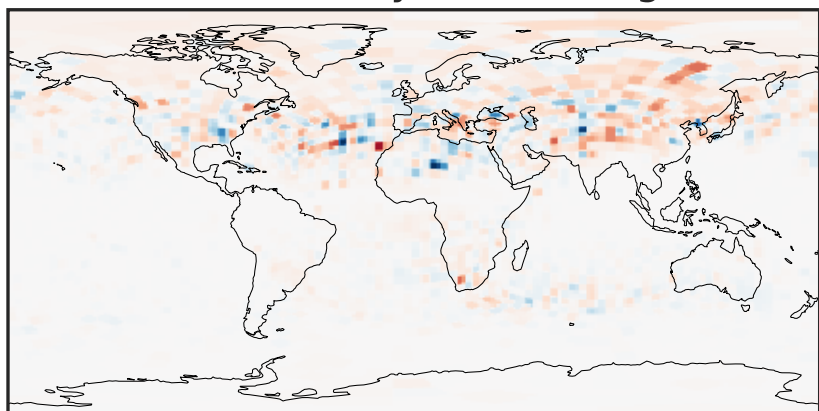
0.0000 0.0628 0.1256 0.1884 0.2513
ppb

14.3.0-rc.0 (Dev)
c24



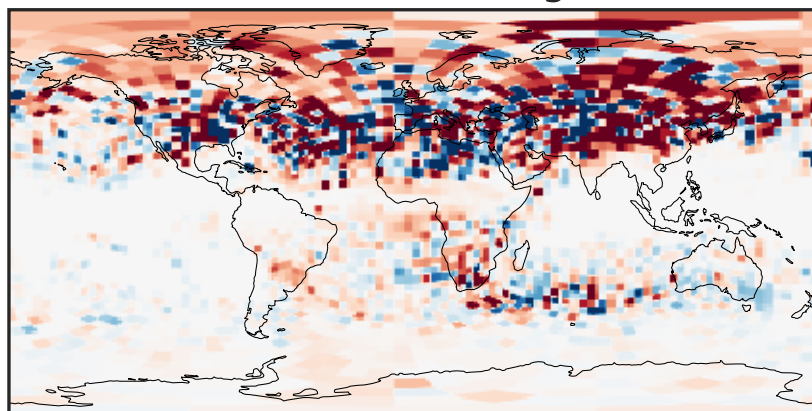
0.0000 0.0628 0.1256 0.1884 0.2513
ppb

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



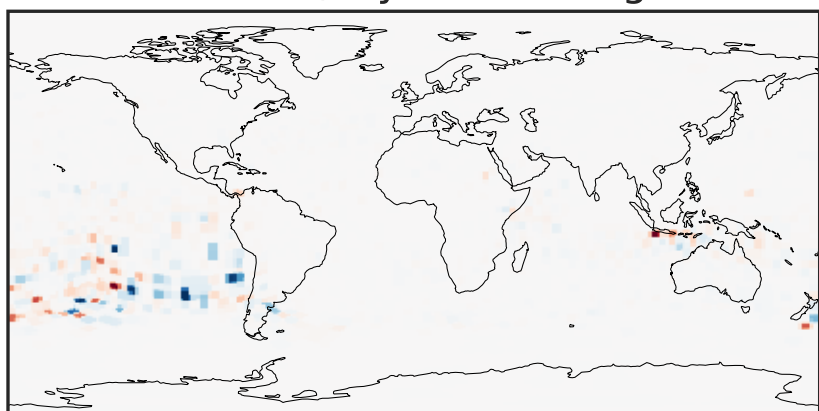
-0.003 0.000 0.003
ppb

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



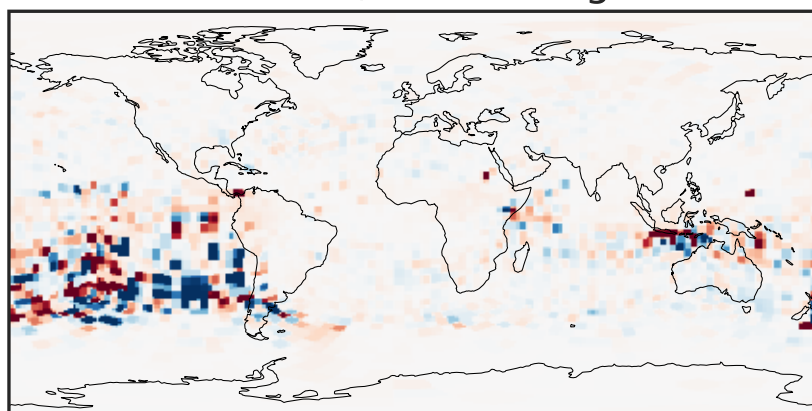
-0.0004 0.0000 0.0004
ppb

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



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

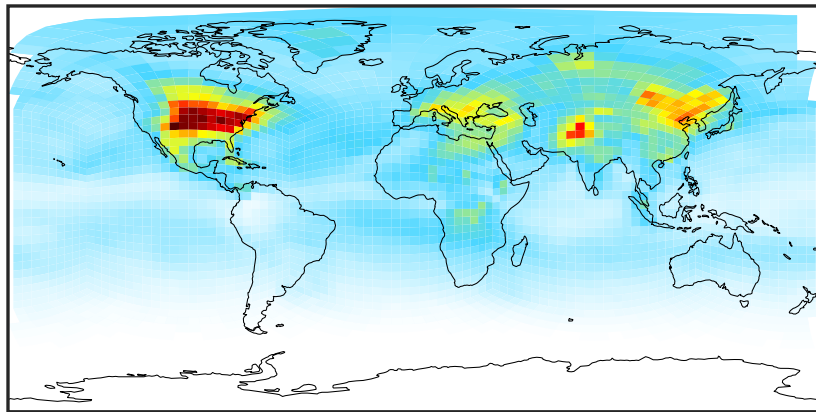
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

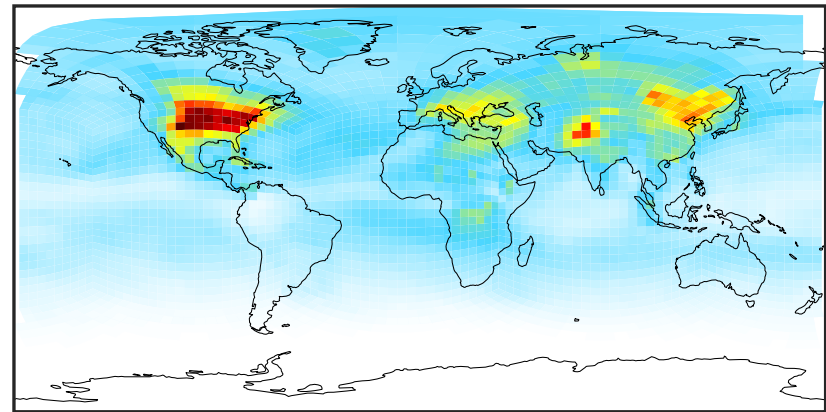
SpeciesConcVV_NO (Jul2019)

14.2.0-rc.2 (Ref)
c24



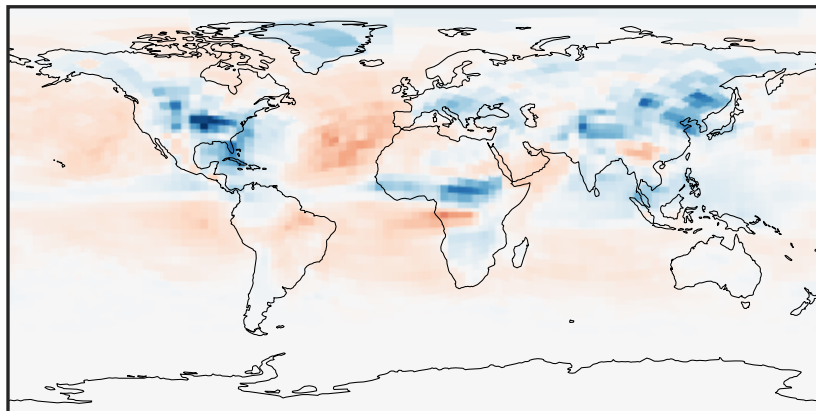
0.000 0.015 0.030 0.045
ppb

14.3.0-rc.0 (Dev)
c24



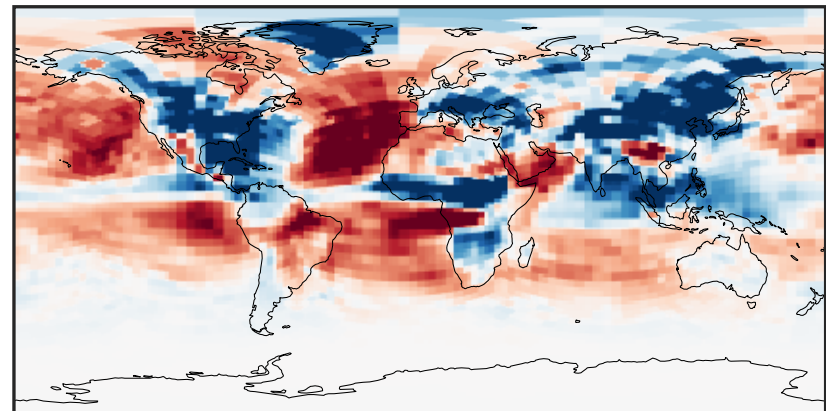
0.000 0.015 0.030 0.045
ppb

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



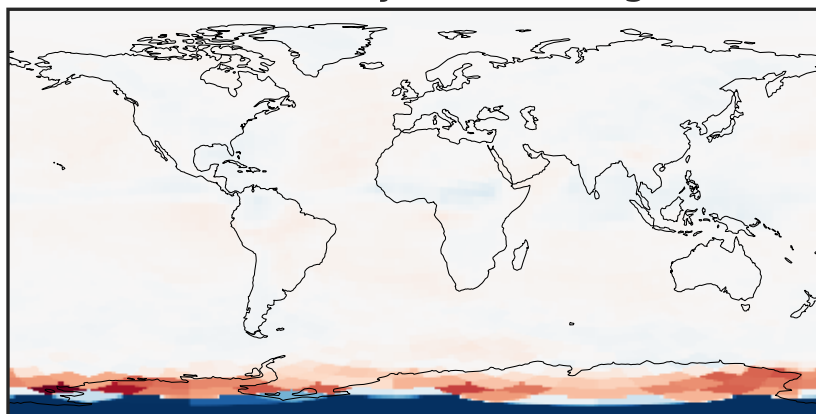
-0.0004 0.0000 0.0004
ppb

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



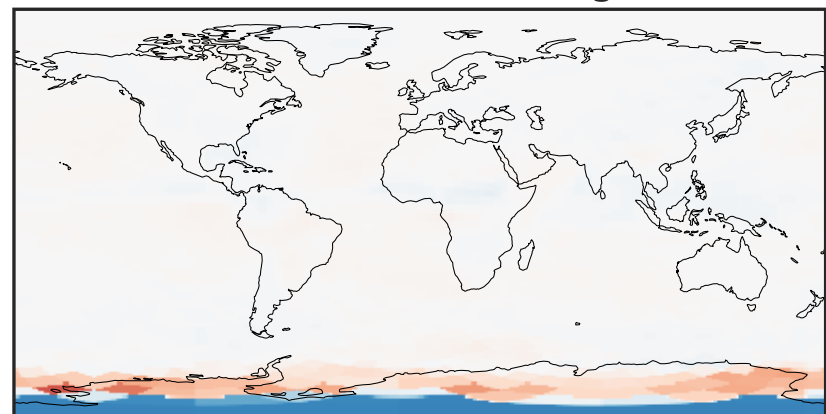
-8 0 8
ppb 1e-5

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



0.6469 0.8235 1.0000 1.2729 1.5457
unitless

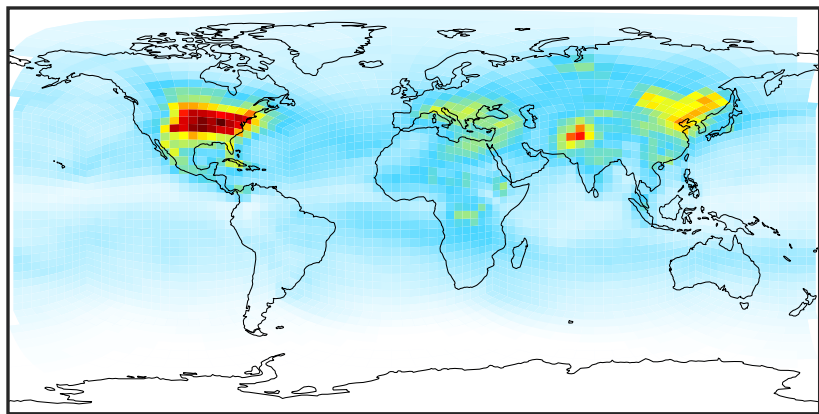
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

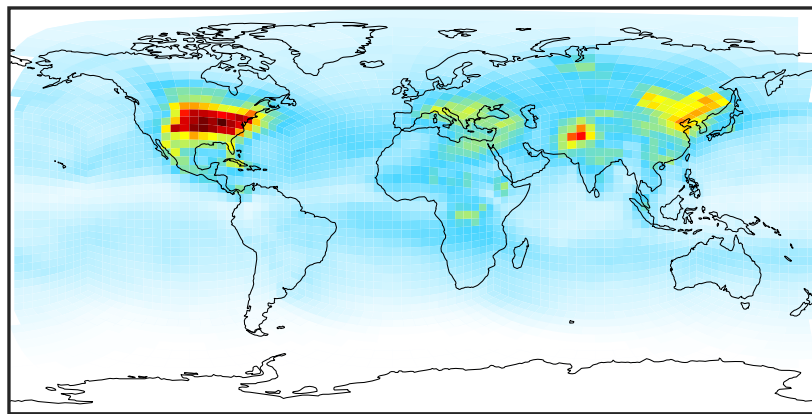
SpeciesConcVV_NO2 (Jul2019)

14.2.0-rc.2 (Ref)
c24



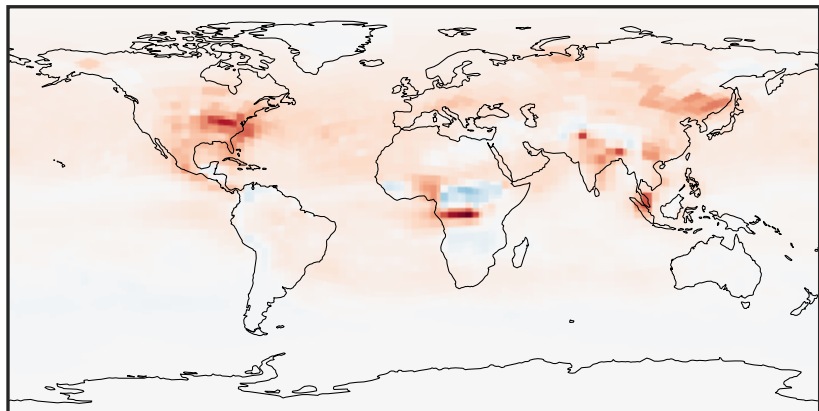
0.0000 0.0543 0.1085 0.1628 0.2170
ppb

14.3.0-rc.0 (Dev)
c24



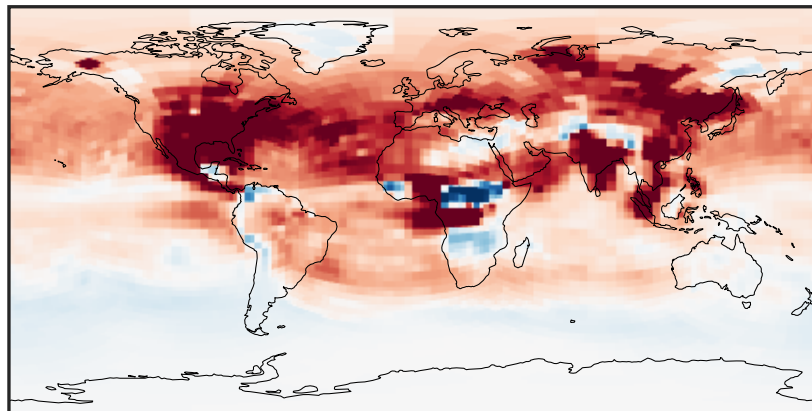
0.0000 0.0543 0.1085 0.1628 0.2170
ppb

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



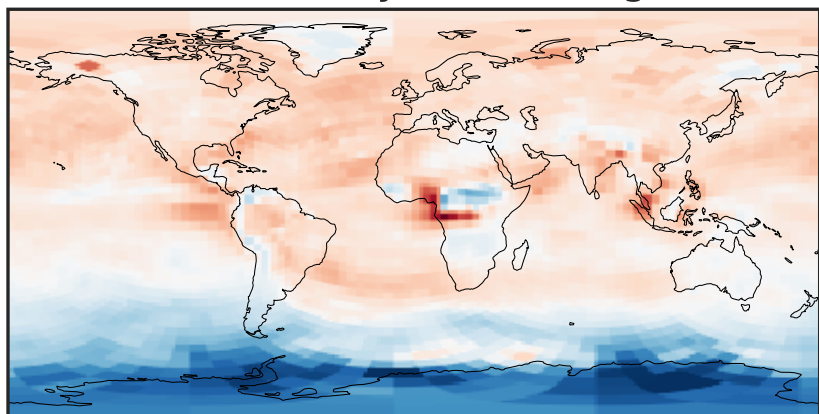
-0.002 0.000 0.002
ppb

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



-0.0004 0.0000 0.0004
ppb

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



0.9397 0.9698 1.0000 1.0321 1.0642
unitless

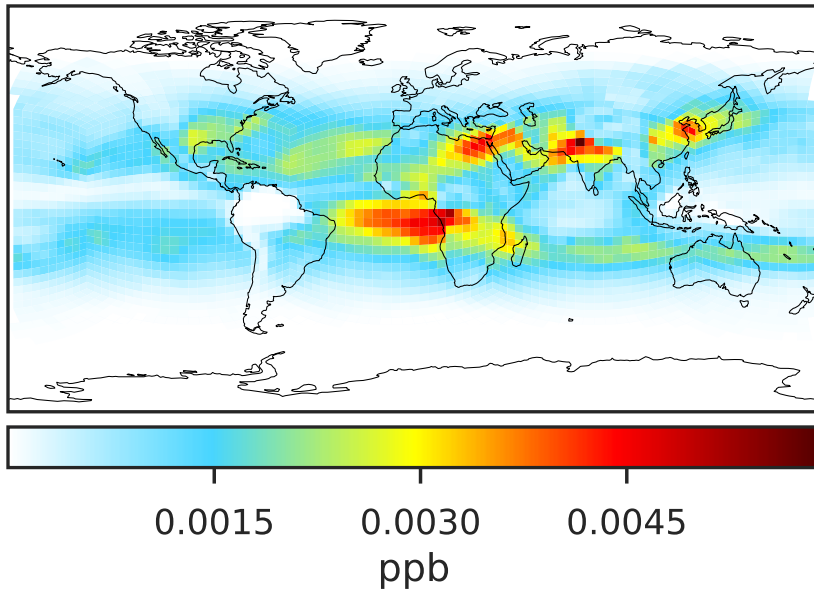
Ratio (1x1.25)
Dev/Ref, Fixed Range



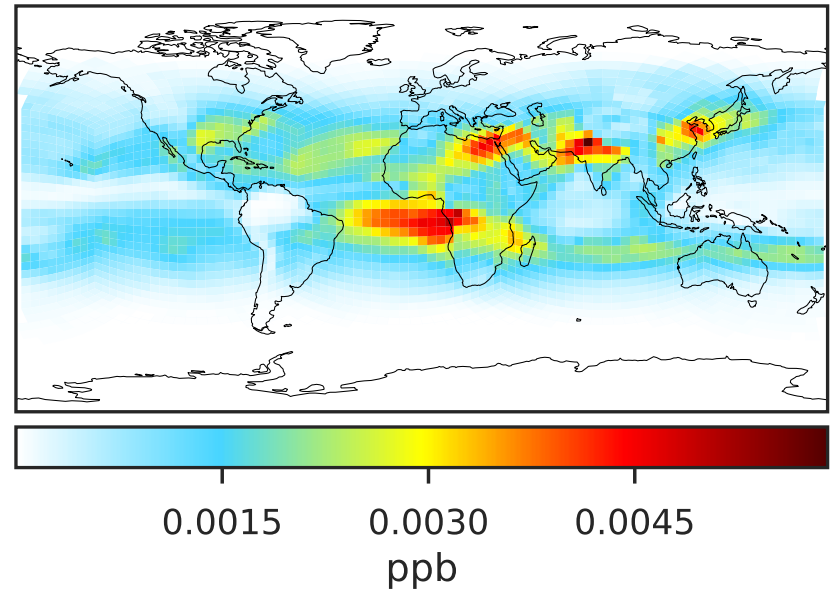
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NO3 (Jul2019)

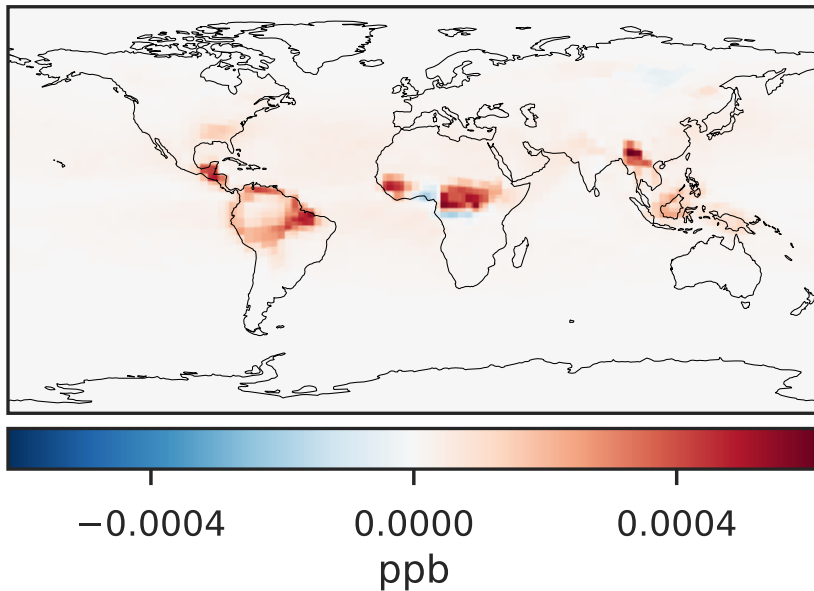
14.2.0-rc.2 (Ref)
c24



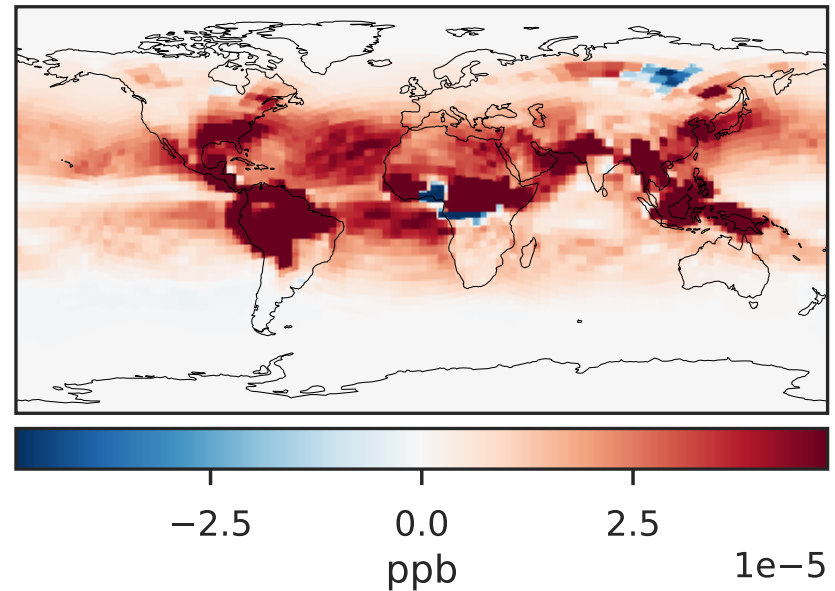
14.3.0-rc.0 (Dev)
c24



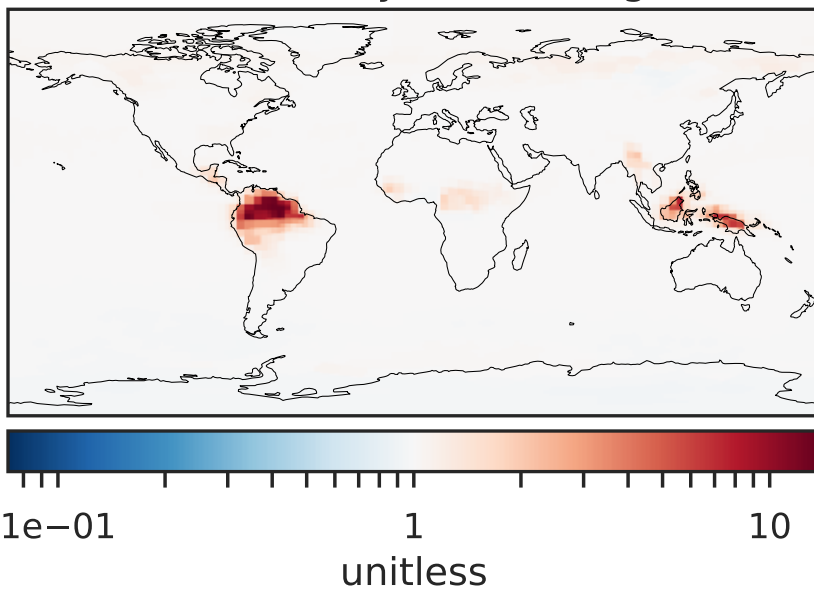
Difference (1x1.25)
Dev - Ref, Dynamic Range



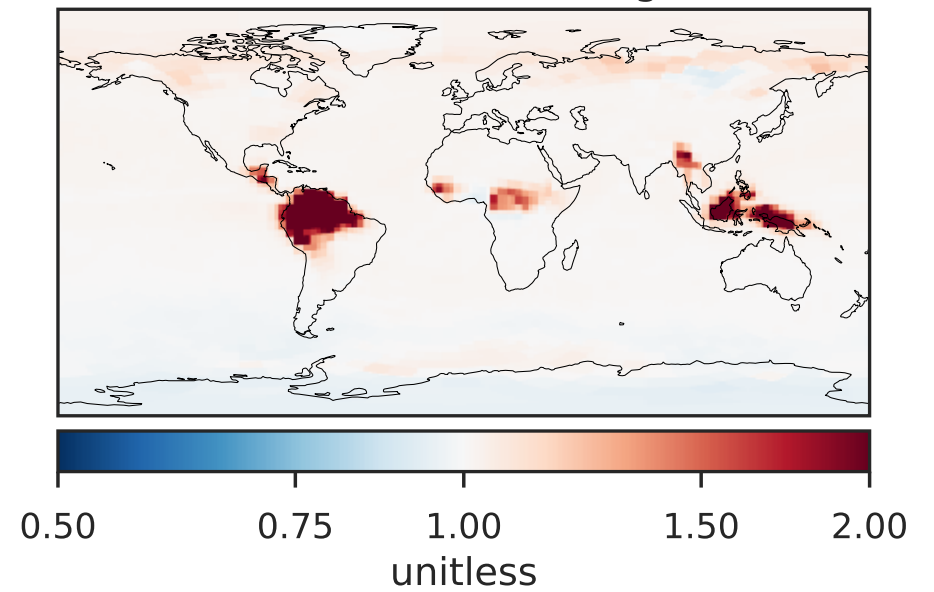
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

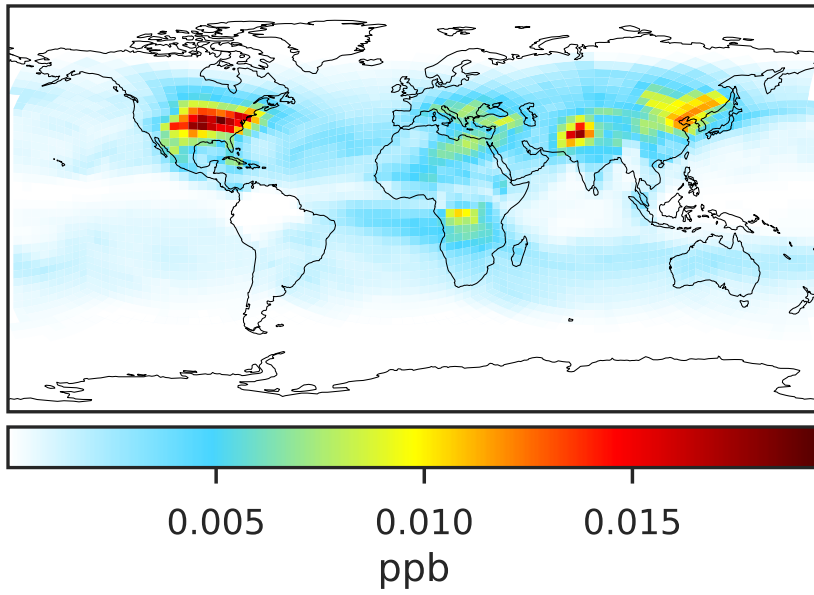


Ratio (1x1.25)
Dev/Ref, Fixed Range

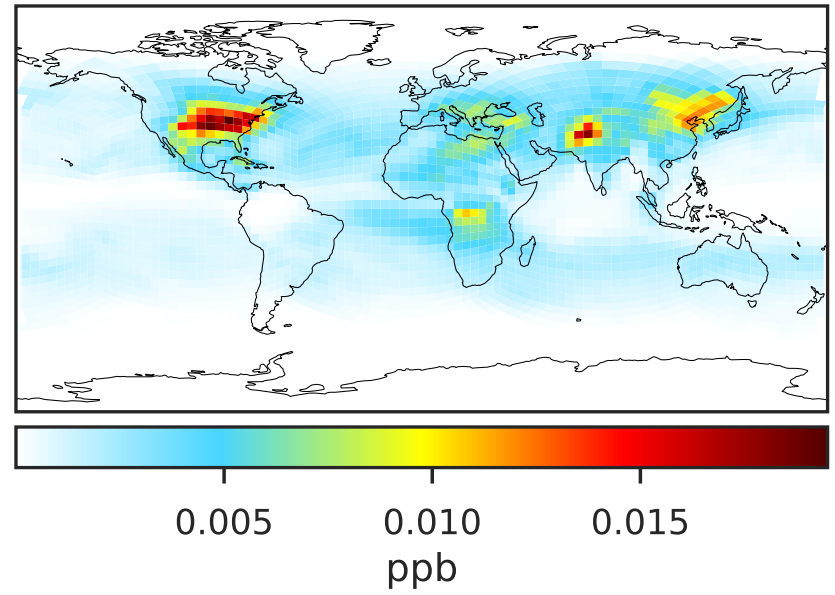


SpeciesConcVV_N2O5 (Jul2019)

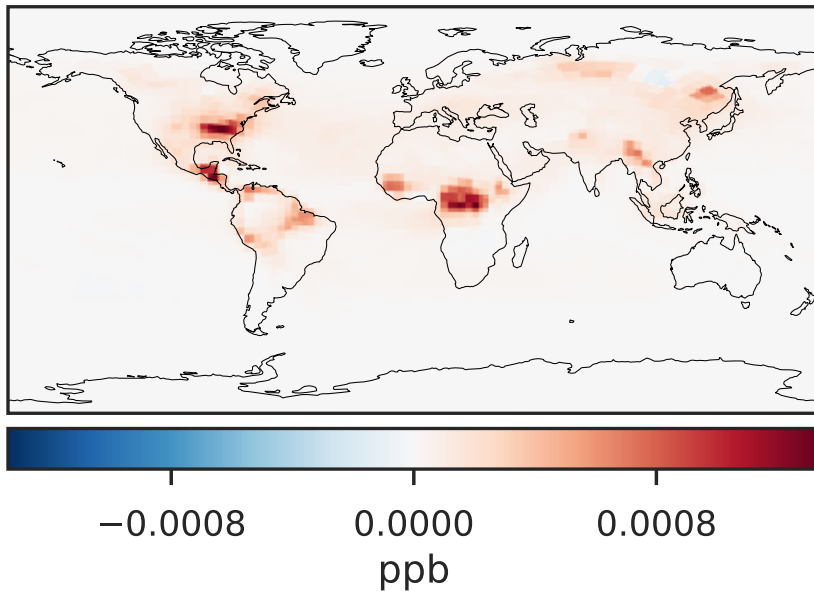
14.2.0-rc.2 (Ref)
c24



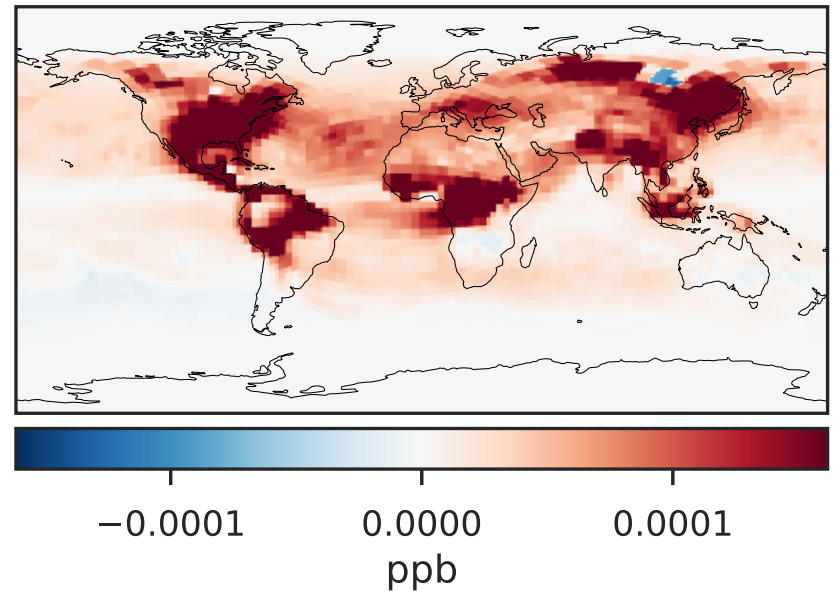
14.3.0-rc.0 (Dev)
c24



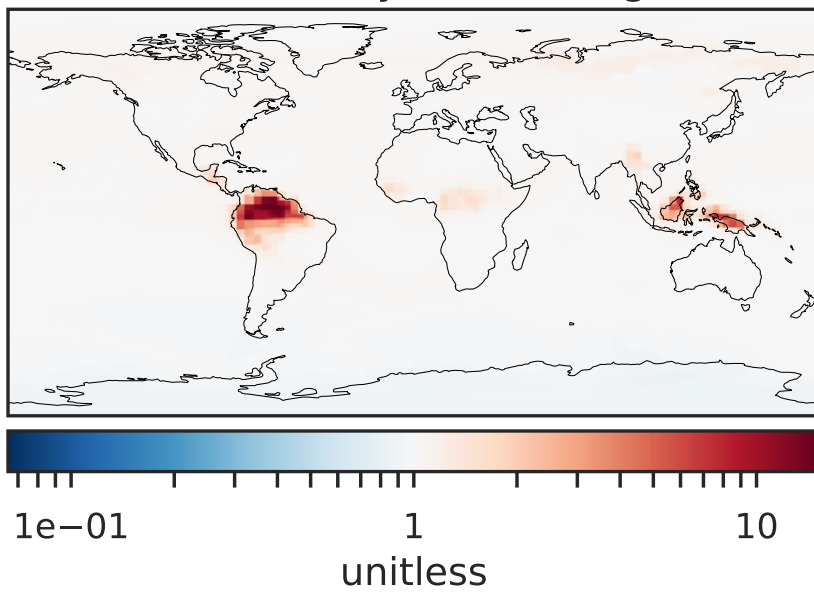
Difference (1x1.25)
Dev - Ref, Dynamic Range



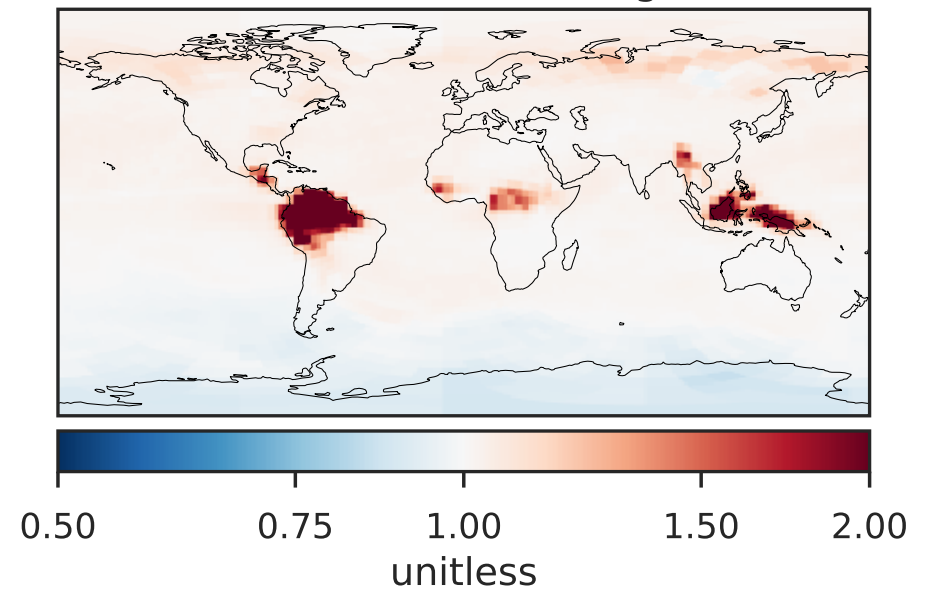
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

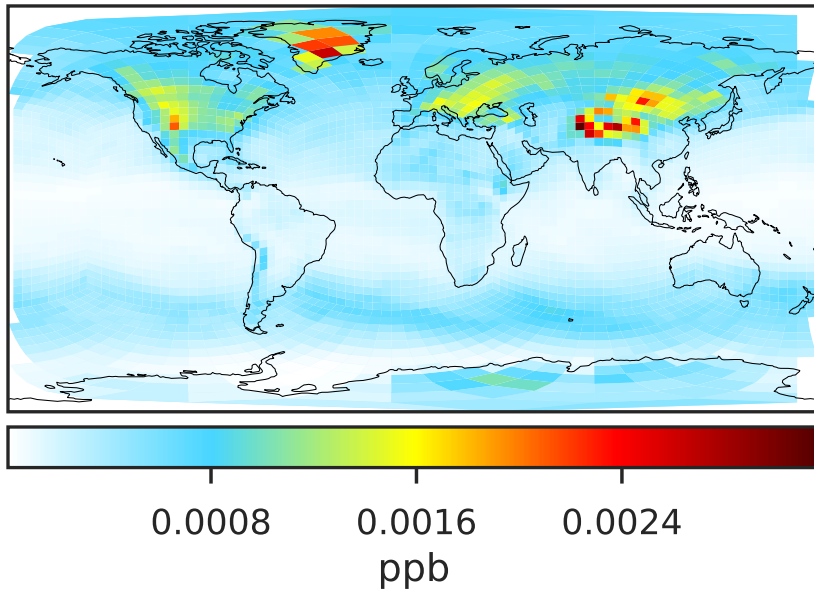


Ratio (1x1.25)
Dev/Ref, Fixed Range

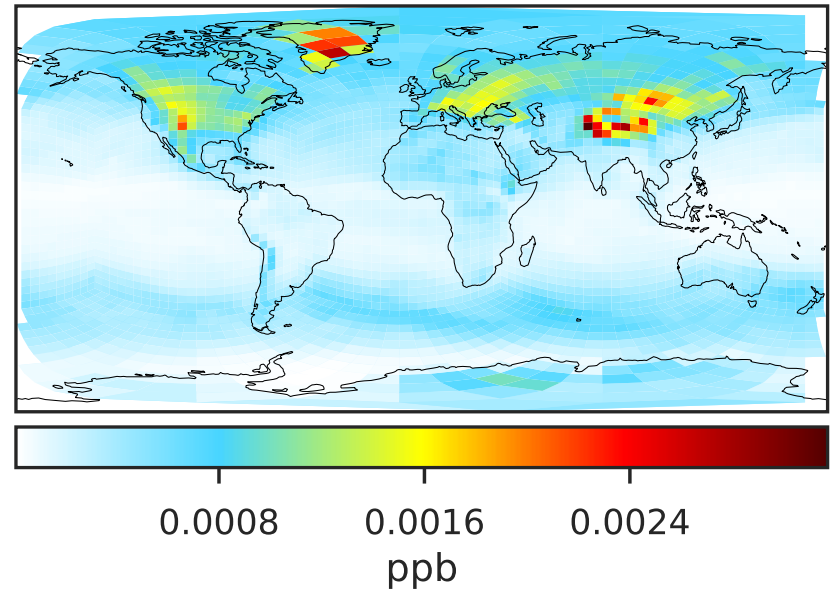


SpeciesConcVV_MPN (Jul2019)

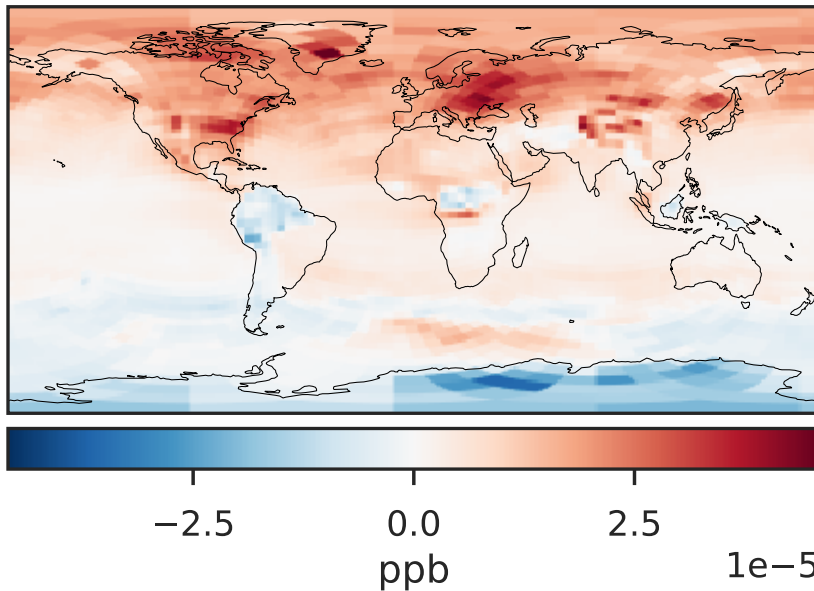
14.2.0-rc.2 (Ref)
c24



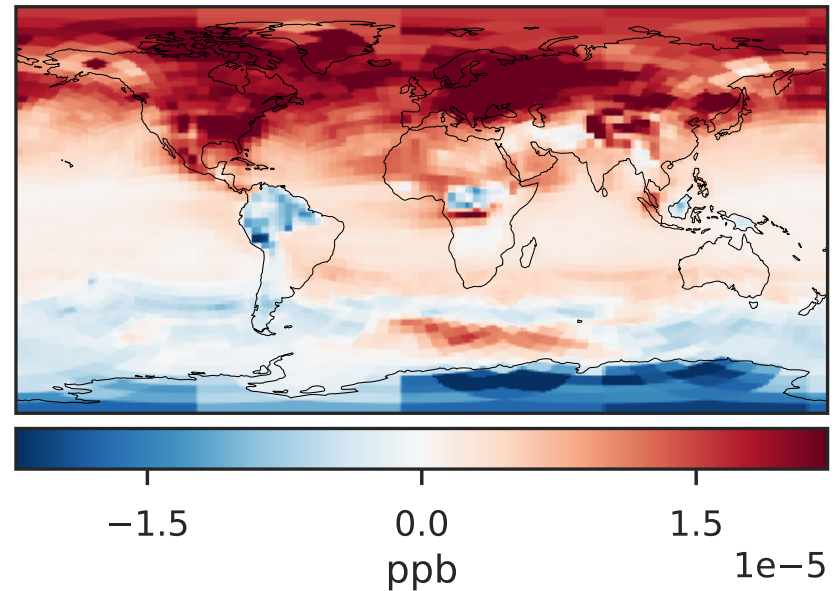
14.3.0-rc.0 (Dev)
c24



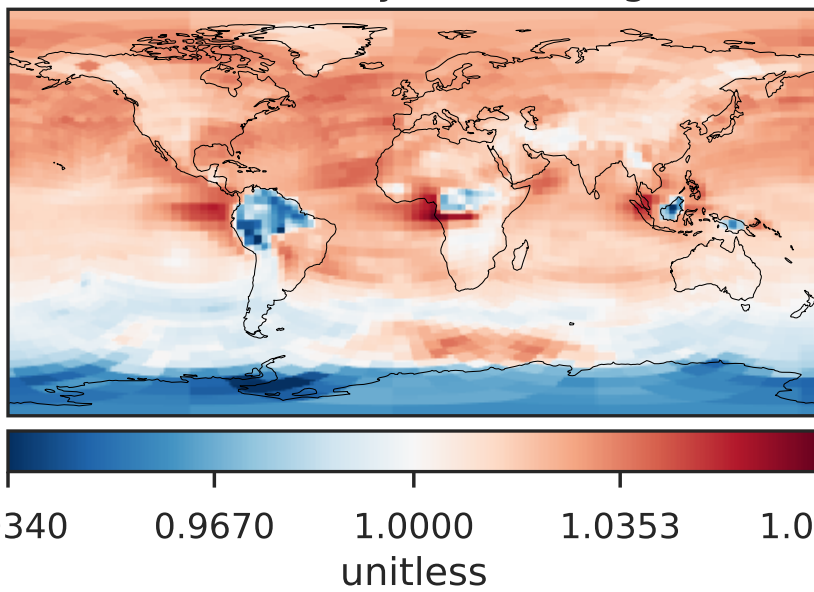
Difference (1x1.25)
Dev - Ref, Dynamic Range



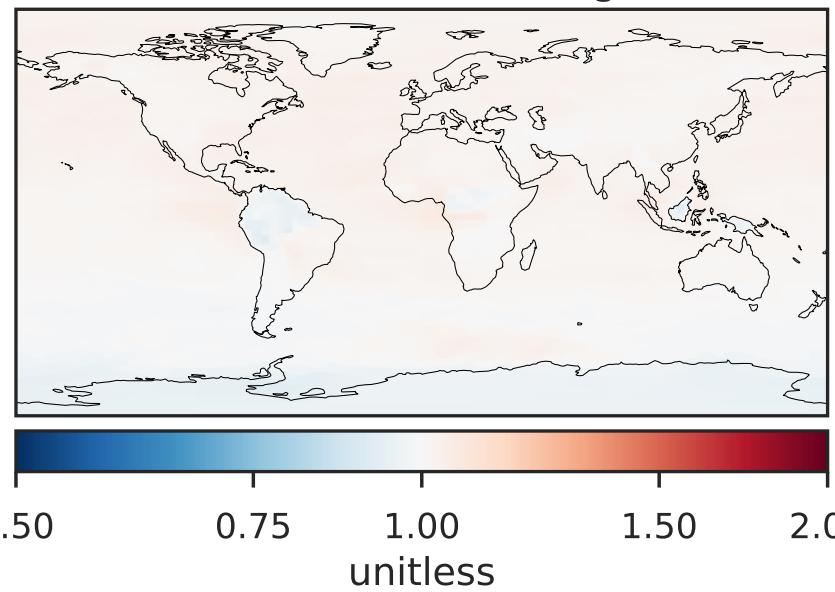
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

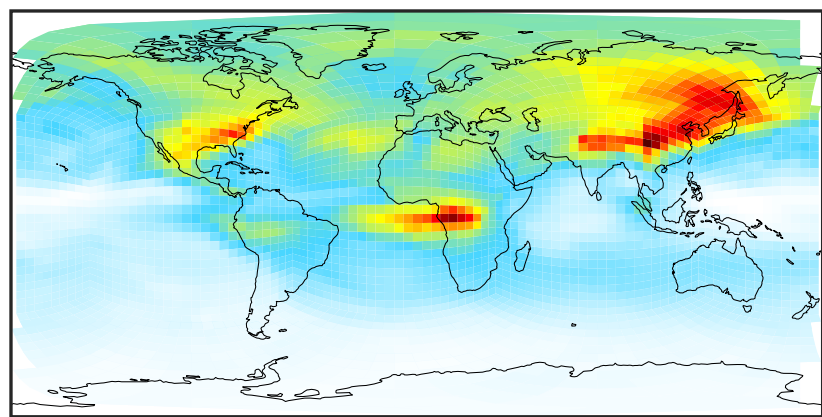


Ratio (1x1.25)
Dev/Ref, Fixed Range



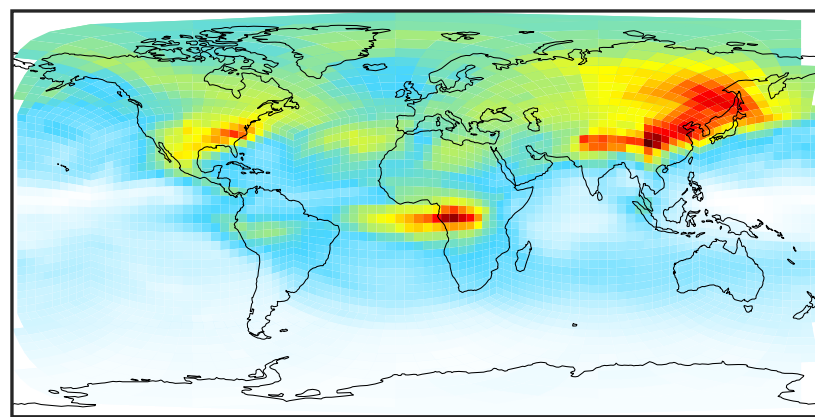
SpeciesConcVV_PAN (Jul2019)

14.2.0-rc.2 (Ref)
c24



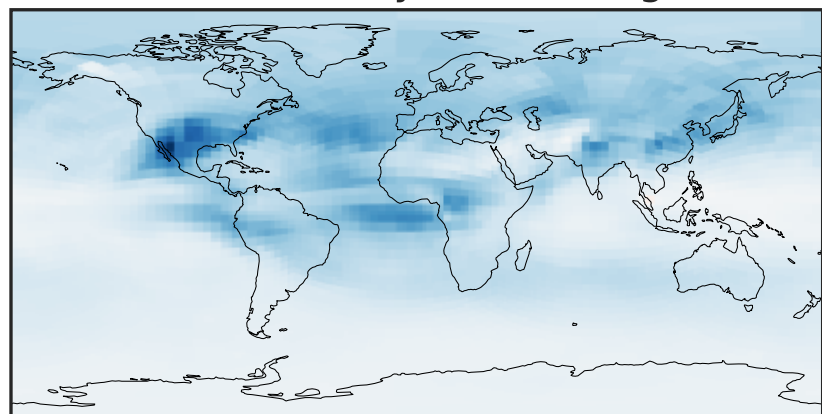
0.011 0.155 0.299 0.443 0.587
ppb

14.3.0-rc.0 (Dev)
c24



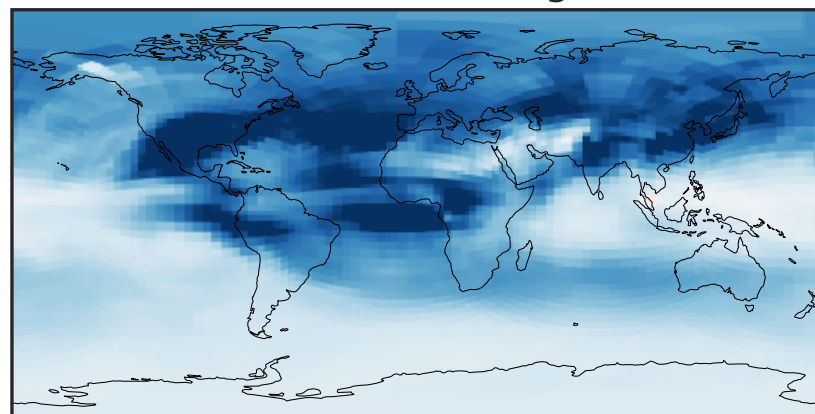
0.011 0.155 0.299 0.443 0.587
ppb

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



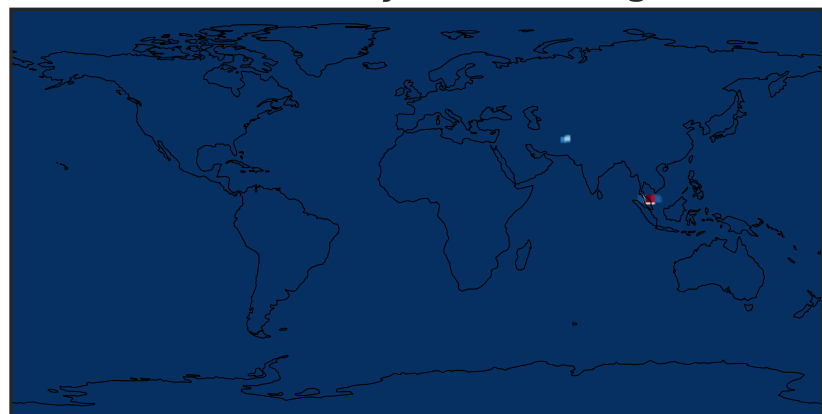
-0.01 0.00 0.01
ppb

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



-0.004 0.000 0.004
ppb

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



0.995171 0.997586 1.000000 1.002426 1.004852
unitless

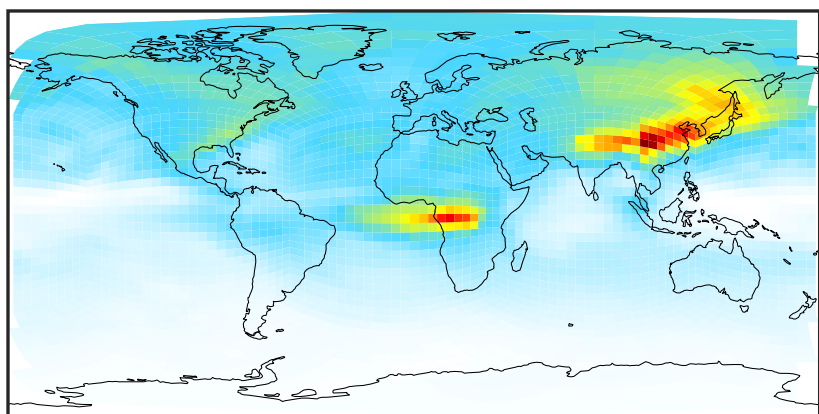
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

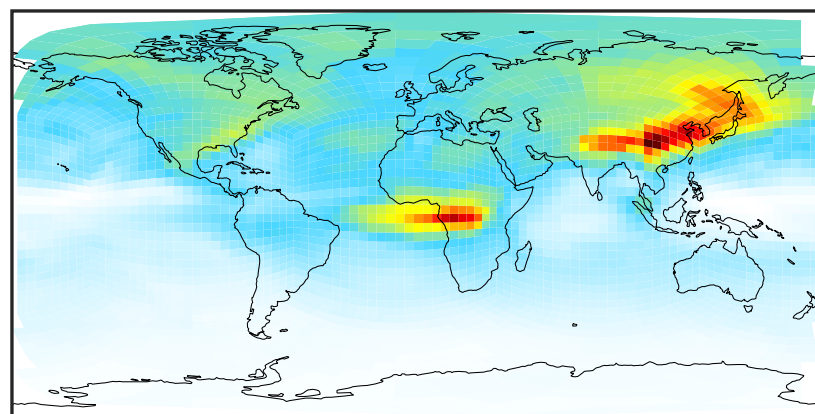
SpeciesConcVV_PPN (Jul2019)

14.2.0-rc.2 (Ref)
c24



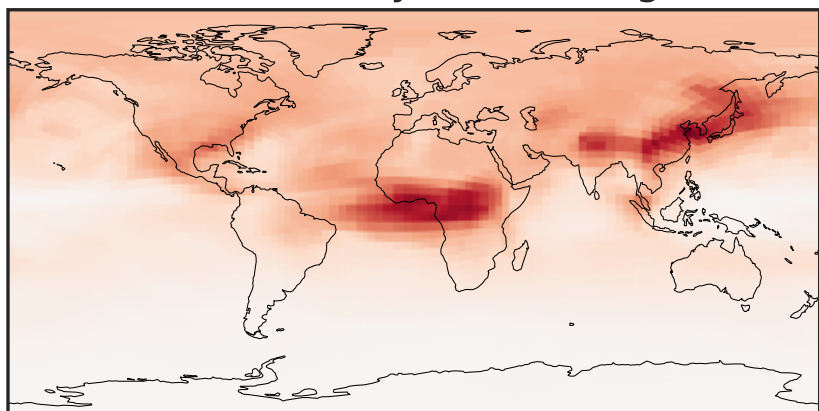
0.0016 0.0292 0.0568 0.0844 0.1120
ppb

14.3.0-rc.0 (Dev)
c24



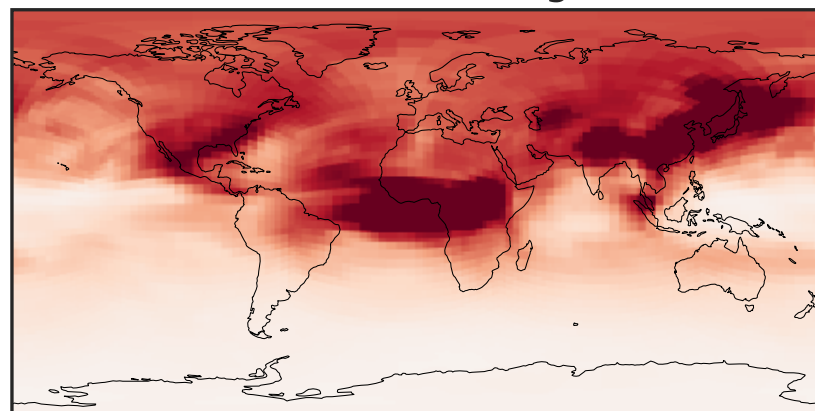
0.0016 0.0292 0.0568 0.0844 0.1120
ppb

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



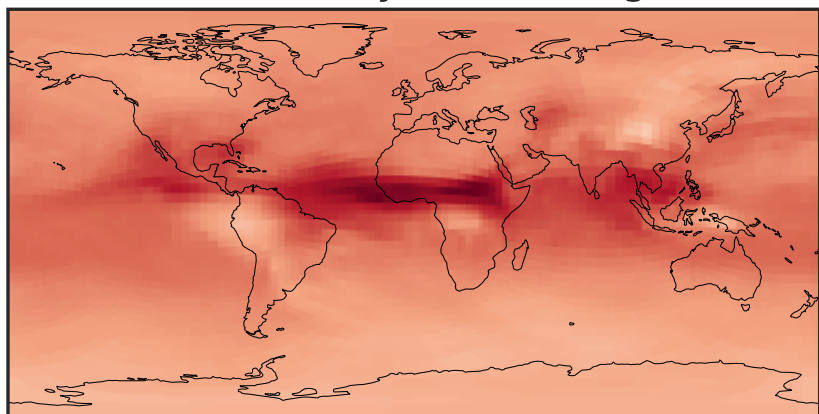
-0.006 0.000 0.006
ppb

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



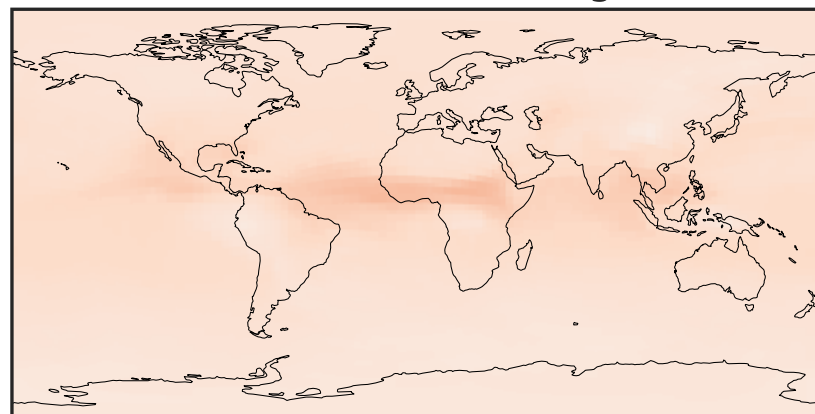
-0.003 0.000 0.003
ppb

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



0.7980 0.8990 1.000 1.1265 1.2531
unitless

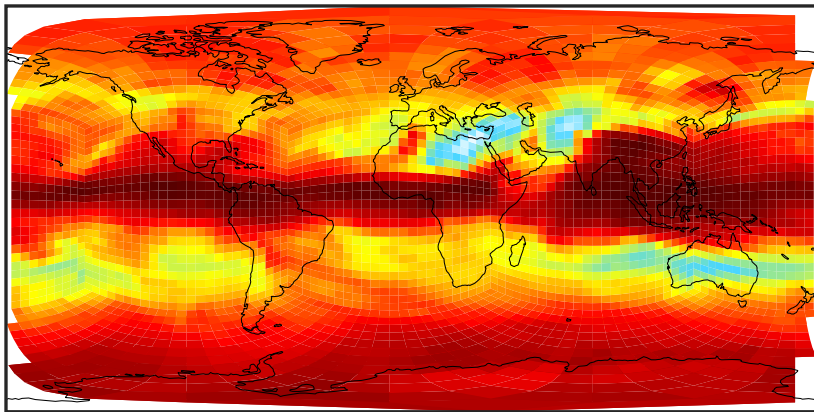
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

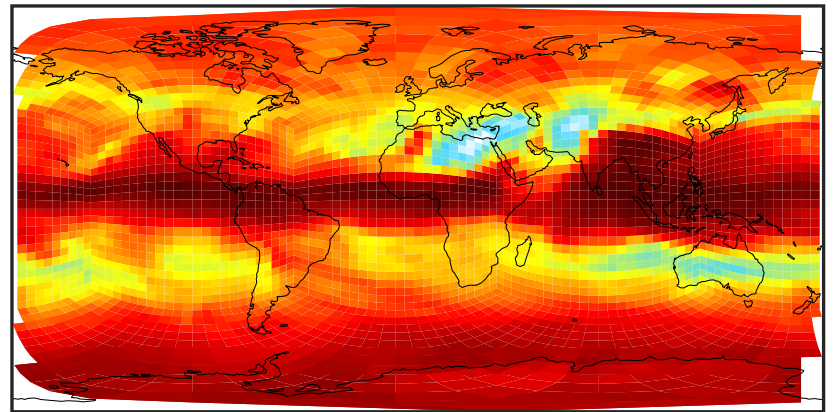
SpeciesConcVV_N2O (Jul2019)

14.2.0-rc.2 (Ref)
c24



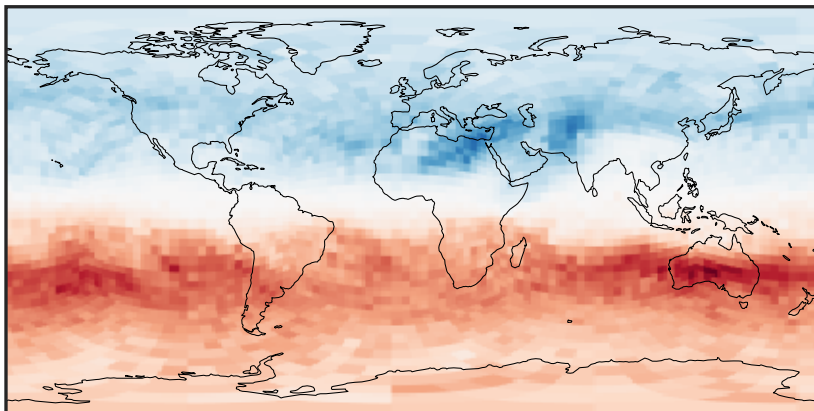
329.3247 329.5588 329.7929 330.0271 330.2612
ppb

14.3.0-rc.0 (Dev)
c24



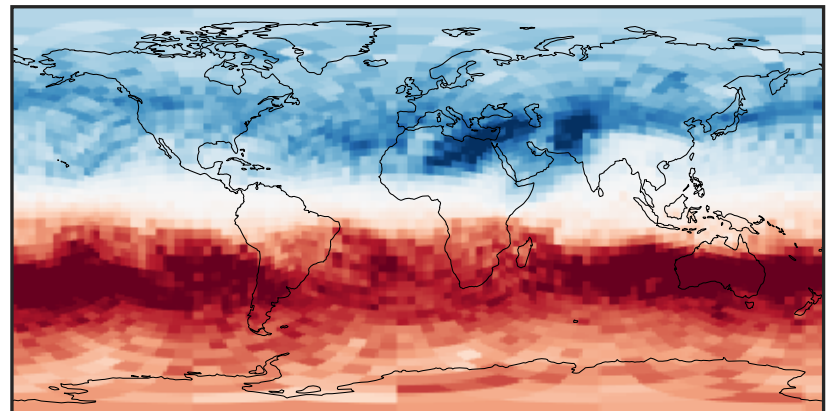
329.3247 329.5588 329.7929 330.0271 330.2612
ppb

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



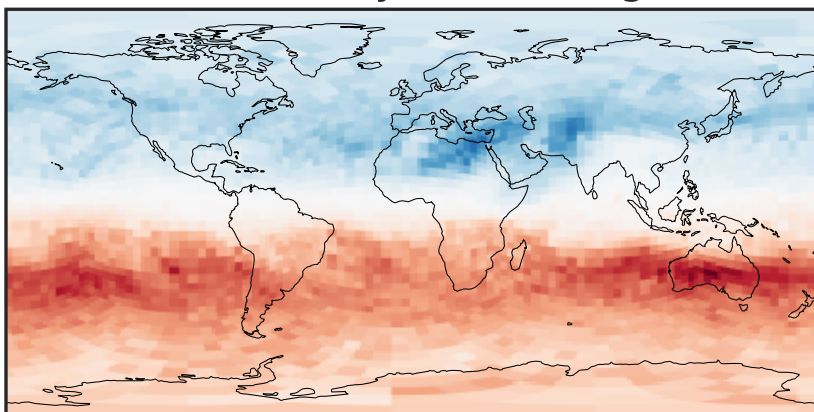
-0.02 0.00 0.02
ppb

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



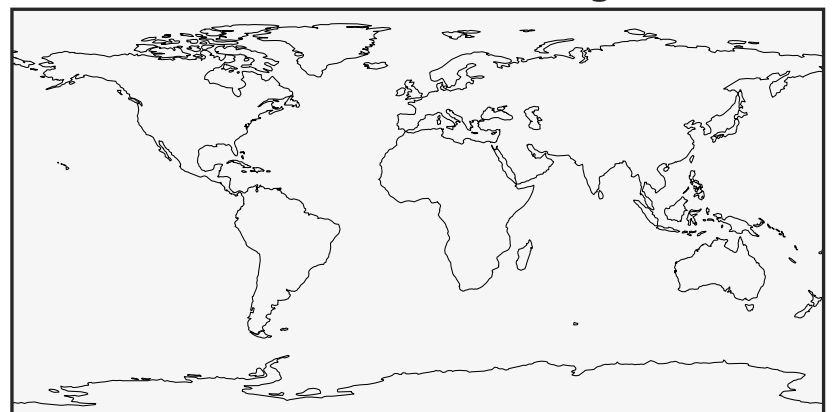
-0.015 0.000 0.015
ppb

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



0.9998871 1.000000 1.0001129
unitless

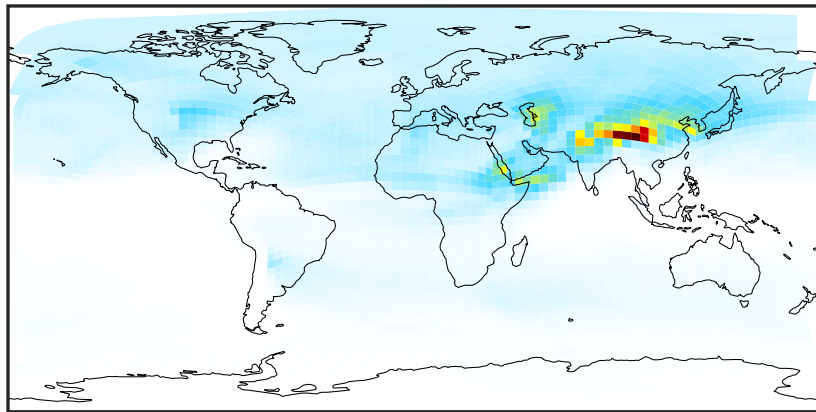
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

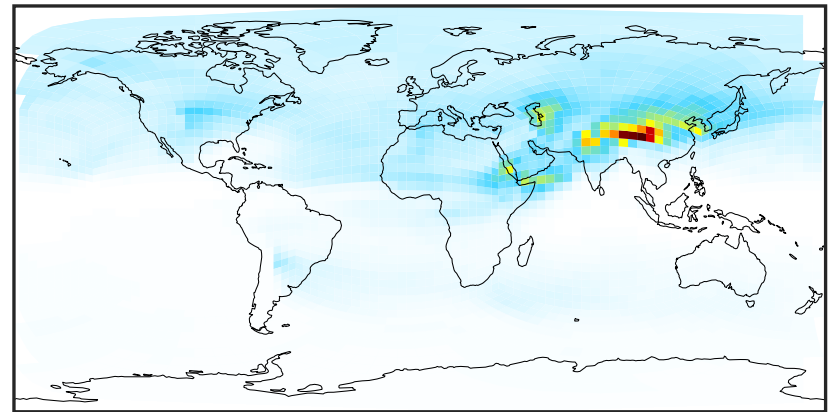
SpeciesConcVV_NHx (Jul2019)

14.2.0-rc.2 (Ref)
c24



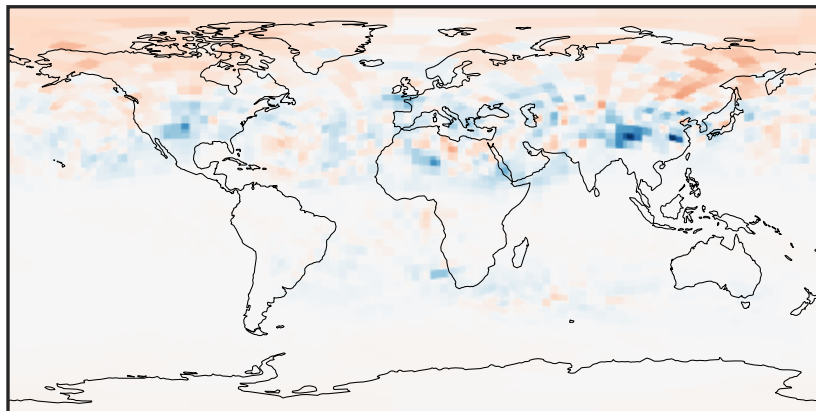
0.001 0.271 0.542 0.813 1.083
ppb

14.3.0-rc.0 (Dev)
c24



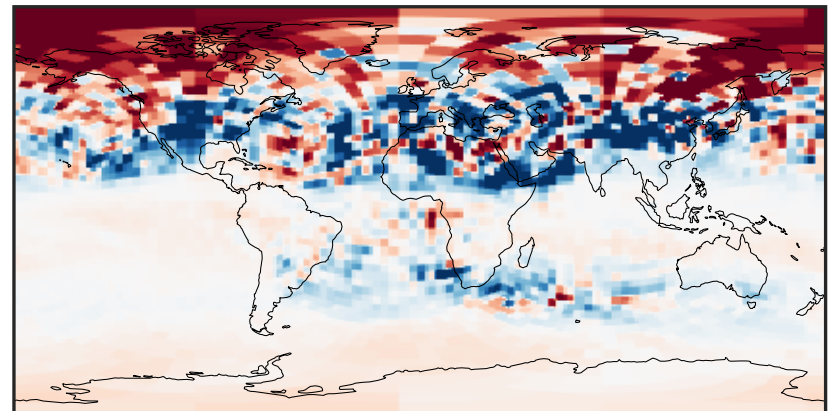
0.001 0.271 0.542 0.813 1.083
ppb

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



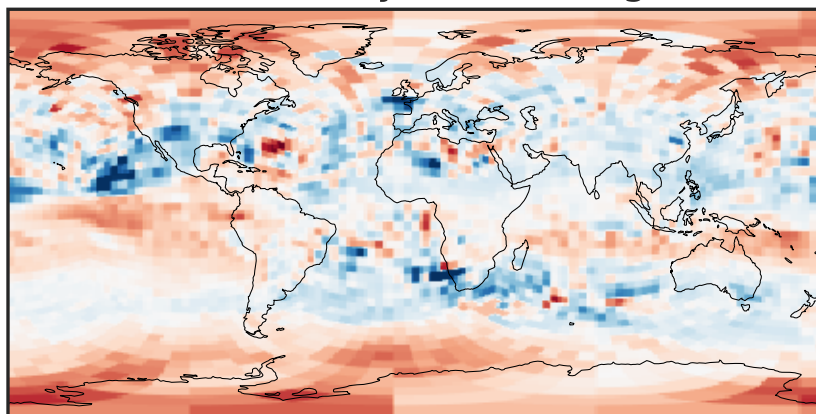
-0.0008 0.0000 0.0008
ppb

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



-0.00015 0.00000 0.00015
ppb

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



0.99279 0.99639 1.00000 1.00363 1.00727
unitless

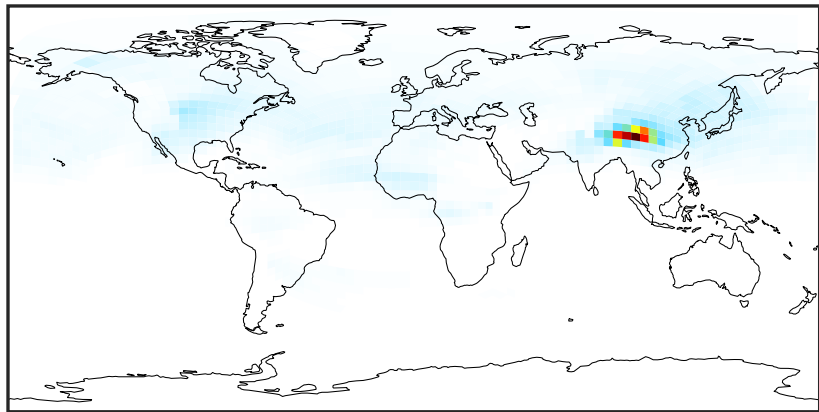
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

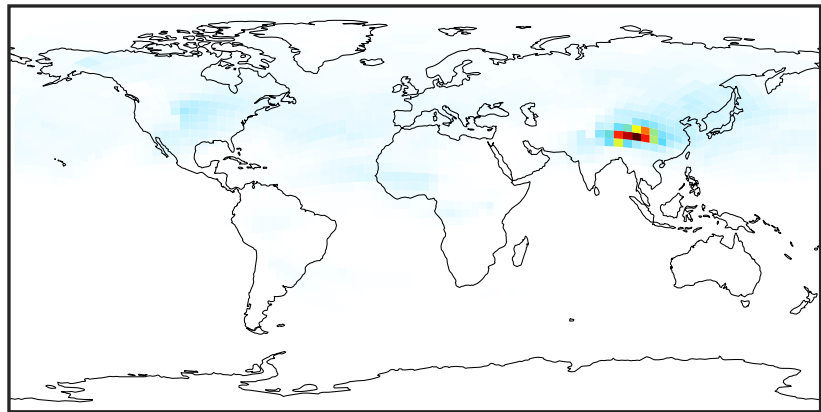
SpeciesConcVV_NH3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



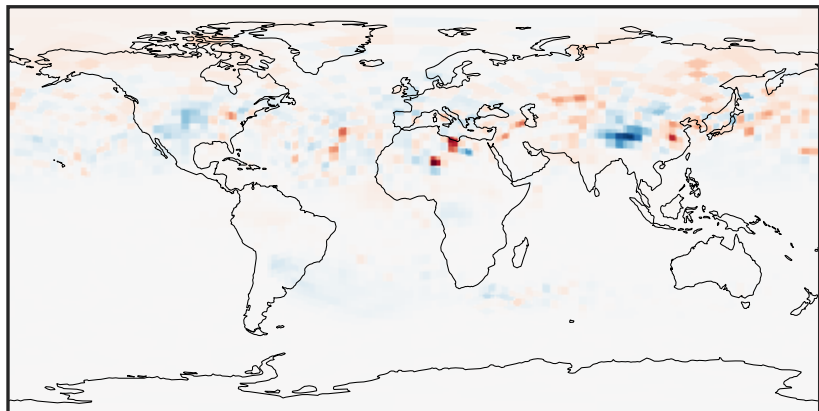
0.0000 0.2191 0.4383 0.6574 0.8765
ppb

14.3.0-rc.0 (Dev)
c24



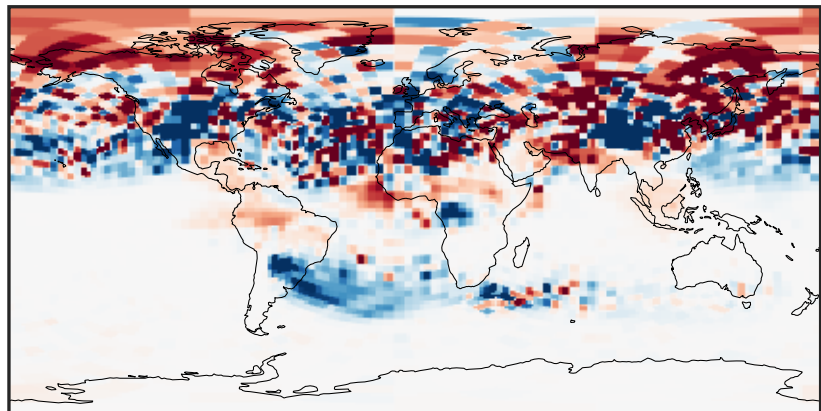
0.0000 0.2191 0.4383 0.6574 0.8765
ppb

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



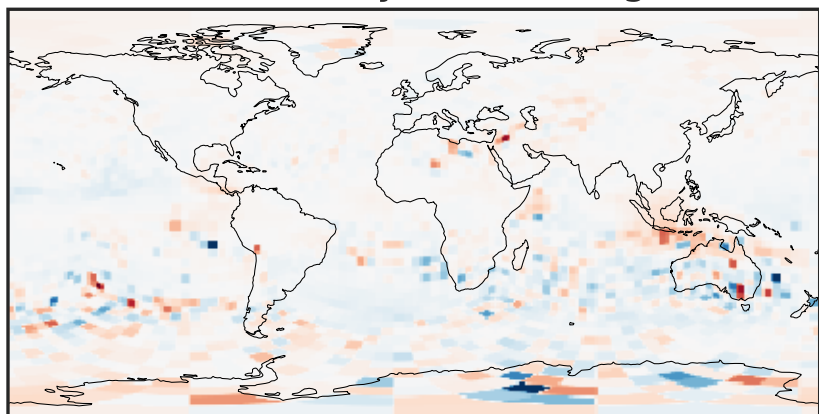
-0.0015 0.0000 0.0015
ppb

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



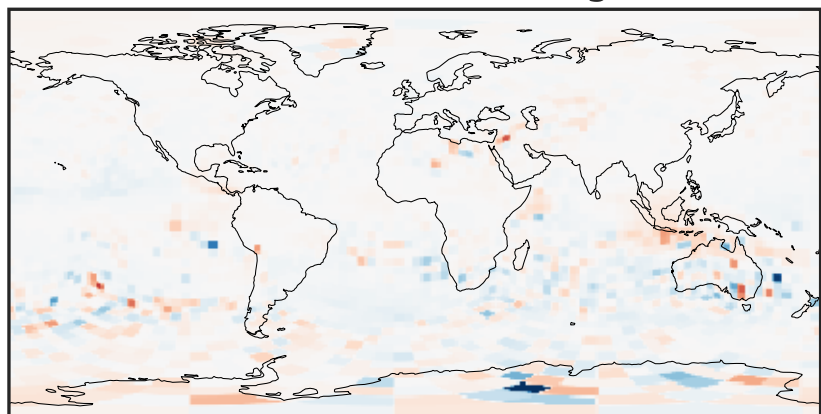
-0.0001 0.0000 0.0001
ppb

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



0.612 0.806 1.000 1.318 1.635
unitless

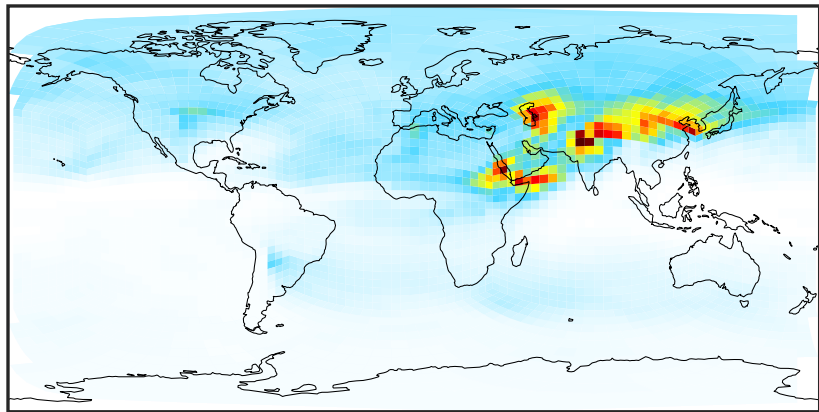
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

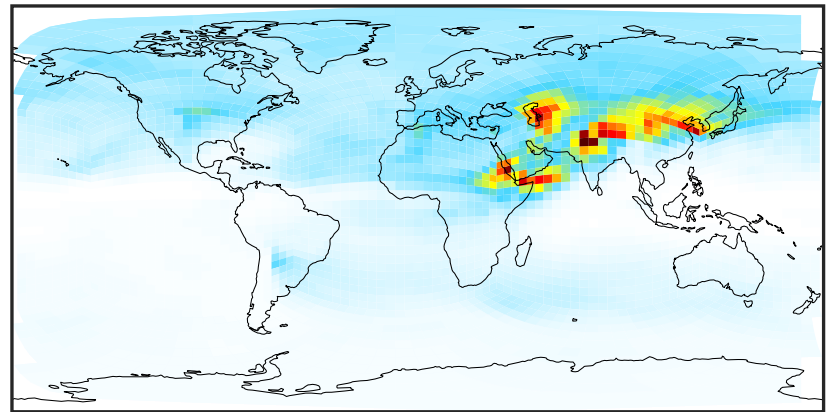
SpeciesConcVV_NH4 (Jul2019)

14.2.0-rc.2 (Ref)
c24



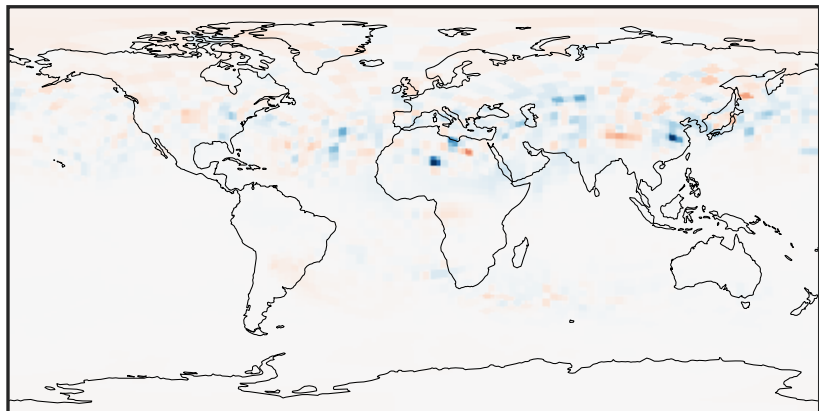
0.0006 0.1375 0.2744 0.4113 0.5482
ppb

14.3.0-rc.0 (Dev)
c24



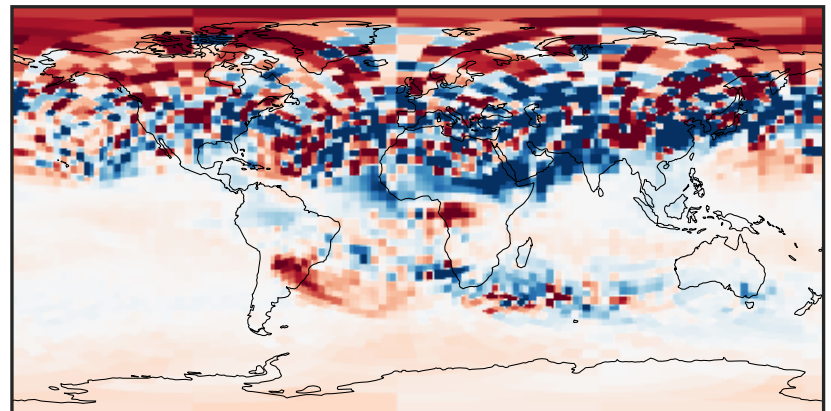
0.0006 0.1375 0.2744 0.4113 0.5482
ppb

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



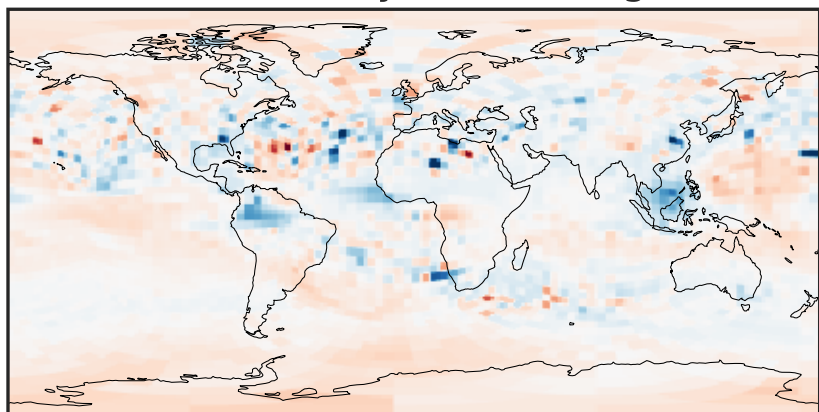
-0.002 0.000 0.002
ppb

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



-0.0001 0.0000 0.0001
ppb

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



0.97967 0.98984 1.00000 1.01038 1.02075
unitless

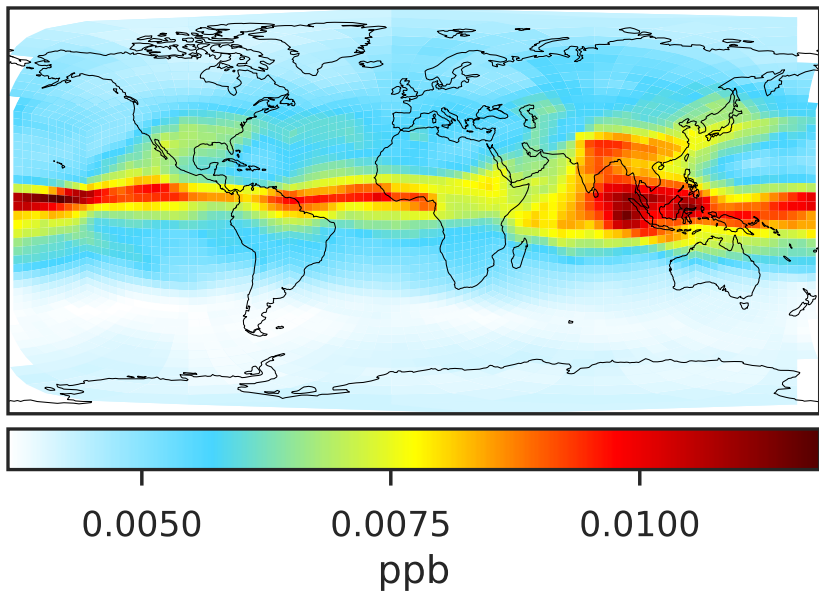
Ratio (1x1.25)
Dev/Ref, Fixed Range



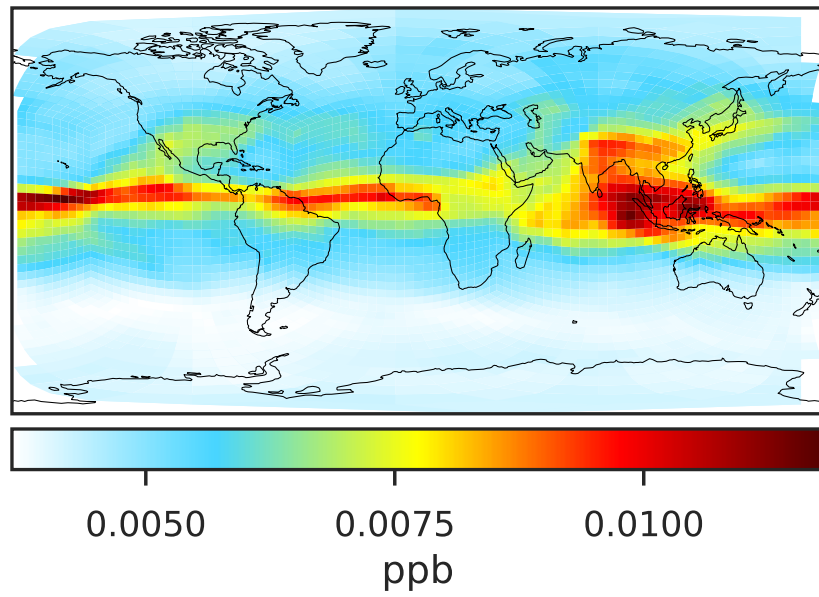
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVW_MENO3 (Jul2019)

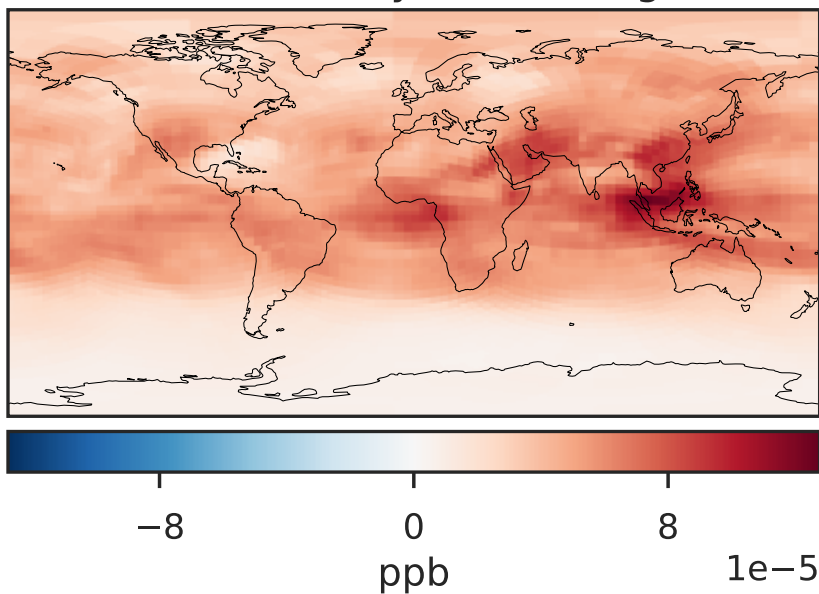
14.2.0-rc.2 (Ref)
c24



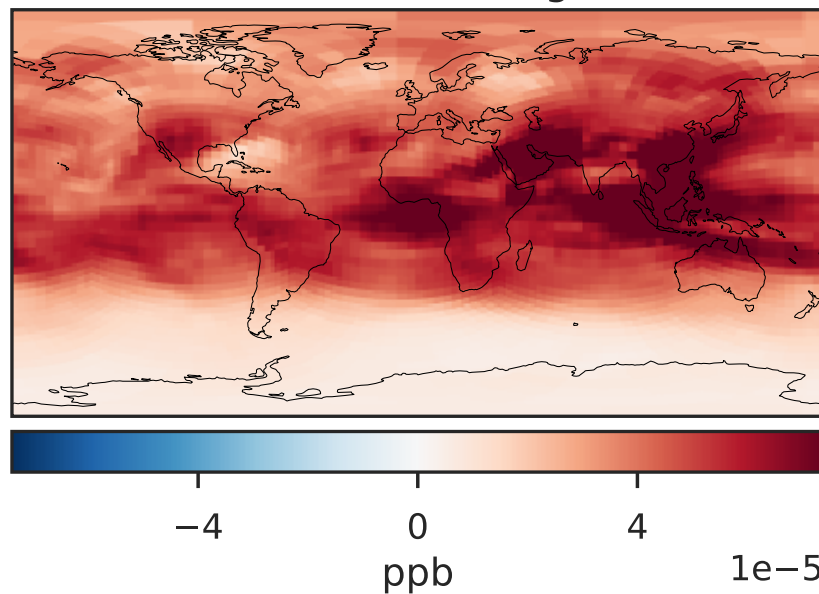
14.3.0-rc.0 (Dev)
c24



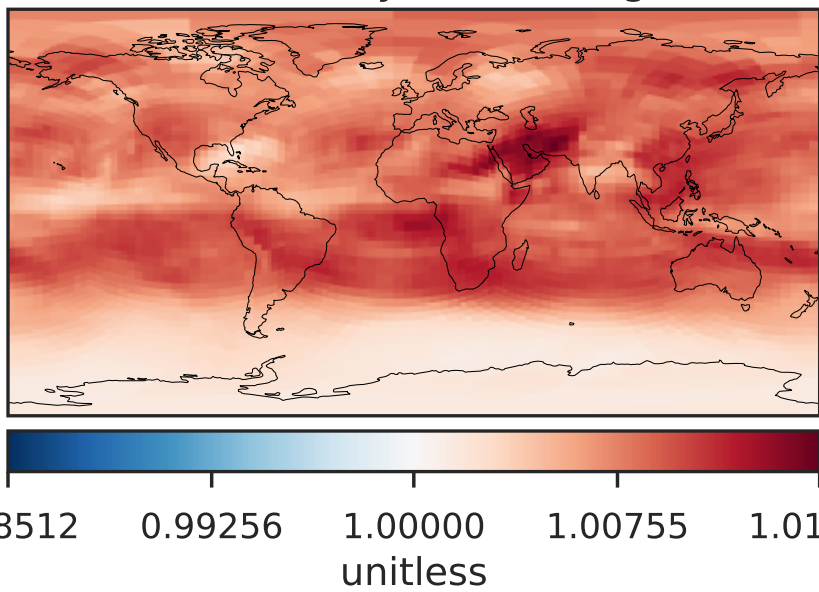
Difference (1x1.25)
Dev - Ref, Dynamic Range



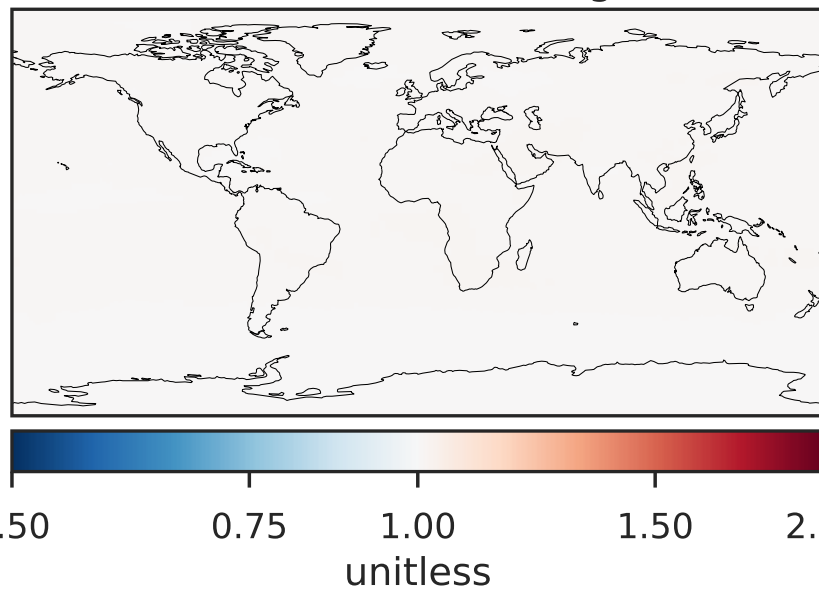
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

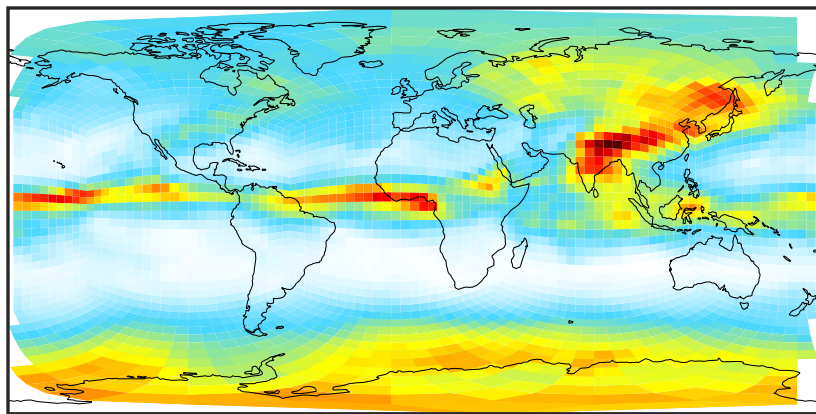


Ratio (1x1.25)
Dev/Ref, Fixed Range



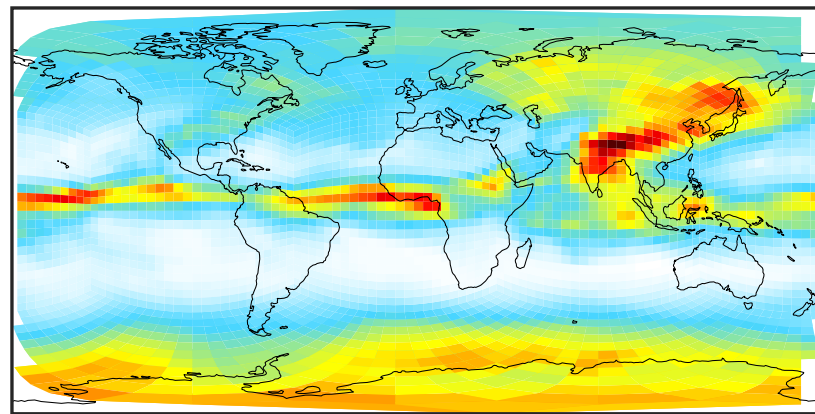
SpeciesConcVV_ETNO3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



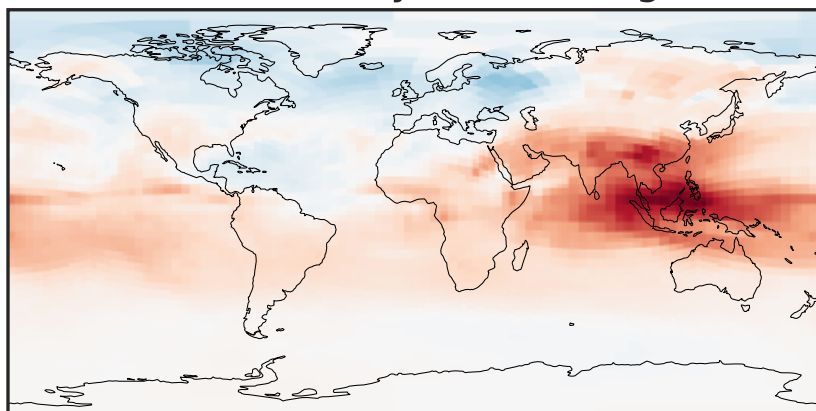
0.0016 0.0024 0.0032
ppb

14.3.0-rc.0 (Dev)
c24



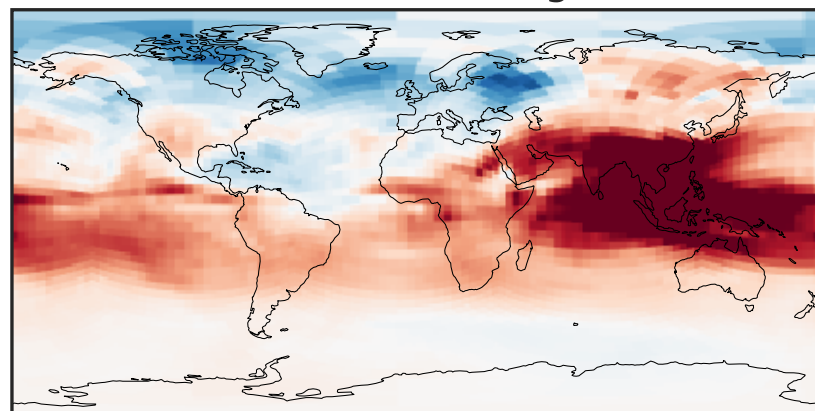
0.0016 0.0024 0.0032
ppb

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



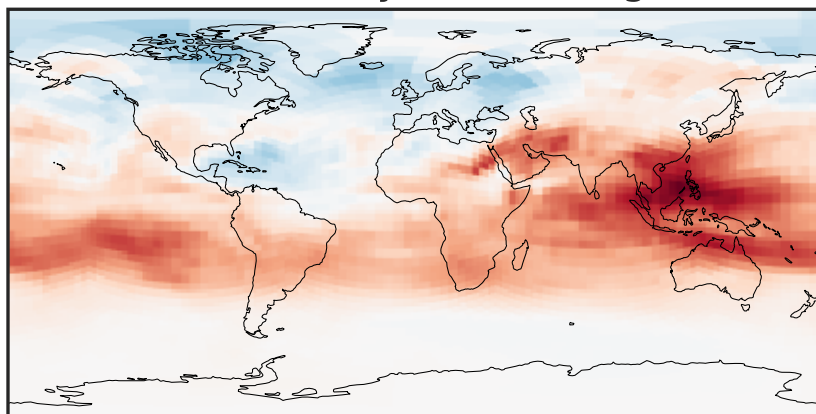
-2.5 0.0 2.5
ppb $1e-5$

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



-1.5 0.0 1.5
ppb $1e-5$

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



0.97834 0.98917 1.00000 1.01107 1.02214
unitless

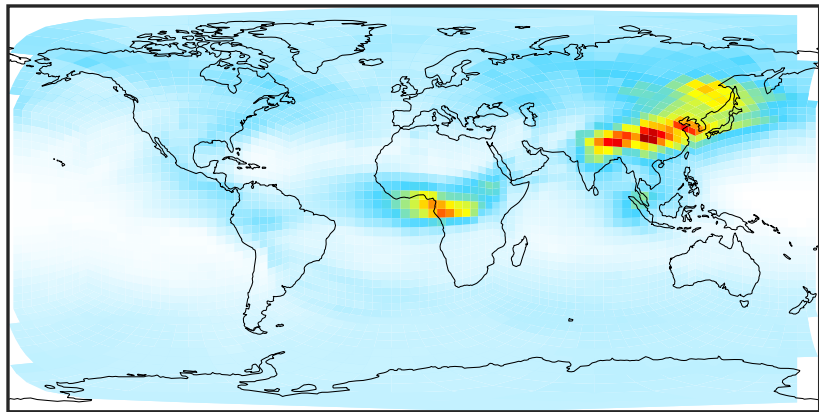
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

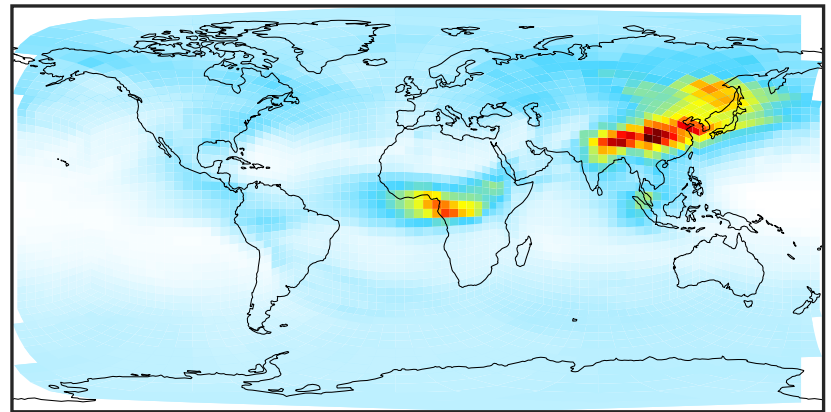
SpeciesConcVV_IPRNO3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



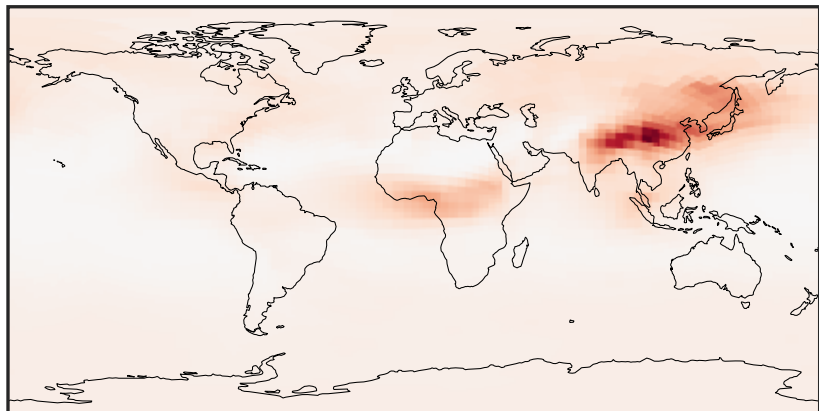
0.004 0.008 0.012 0.016
ppb

14.3.0-rc.0 (Dev)
c24



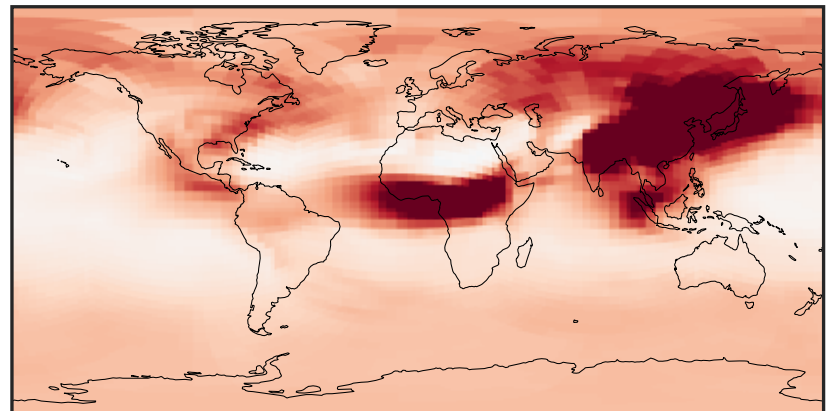
0.004 0.008 0.012 0.016
ppb

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



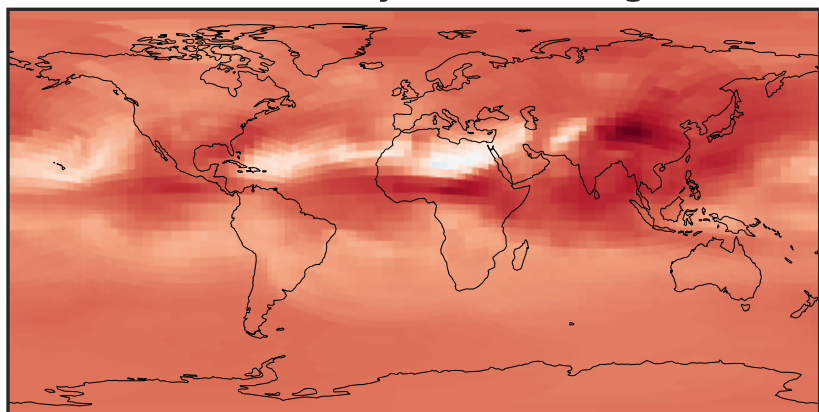
-0.001 0.000 0.001
ppb

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



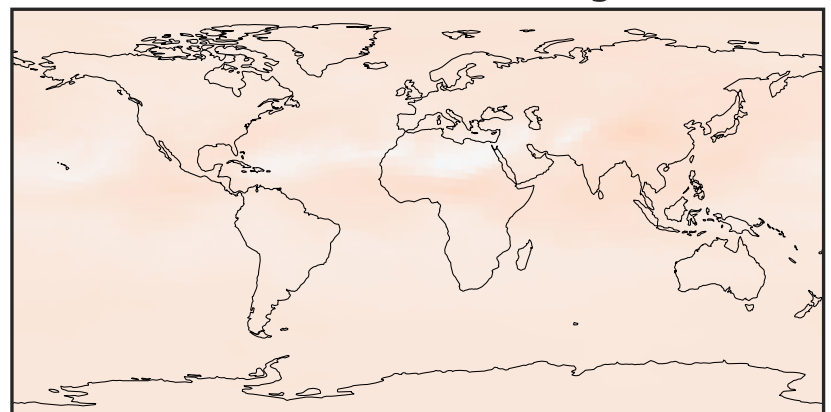
-0.00025 0.00000 0.00025
ppb

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



0.8641 0.9320 1.0000 1.0787 1.1573
unitless

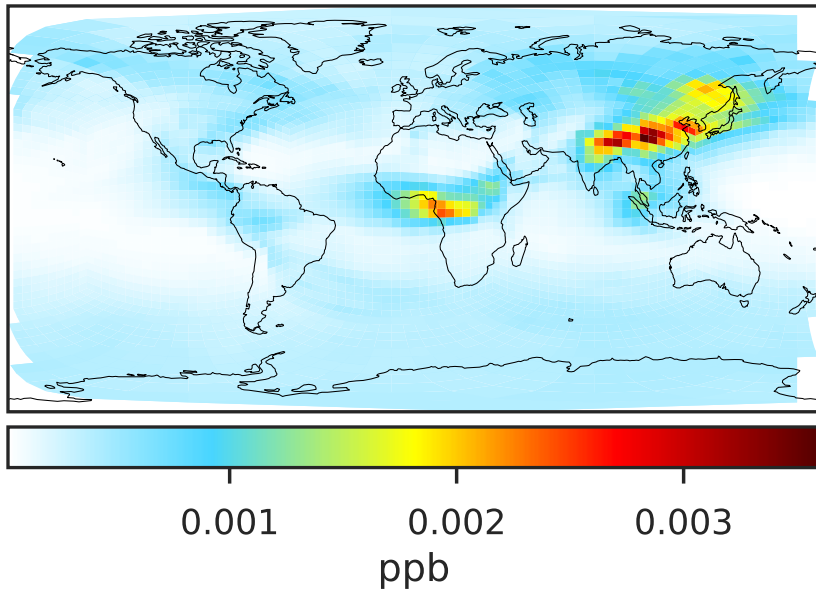
Ratio (1x1.25)
Dev/Ref, Fixed Range



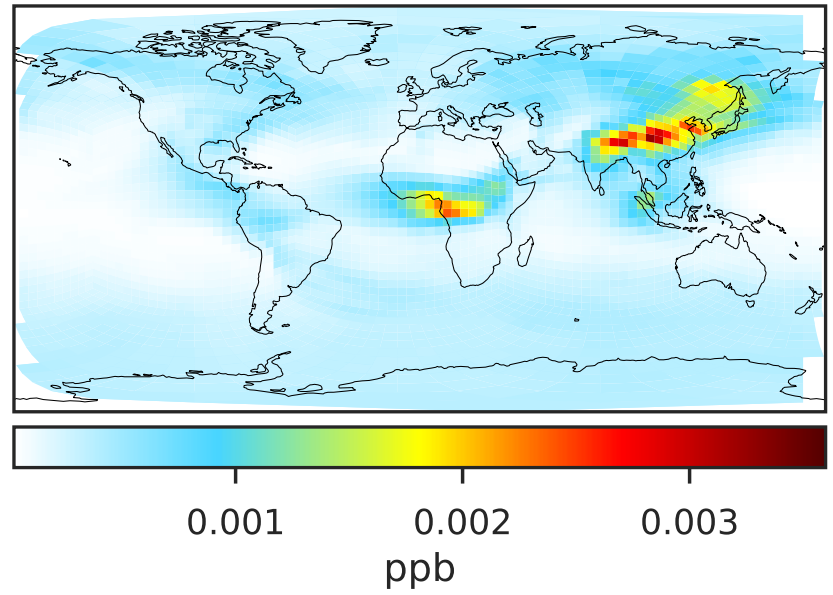
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NPRNO3 (Jul2019)

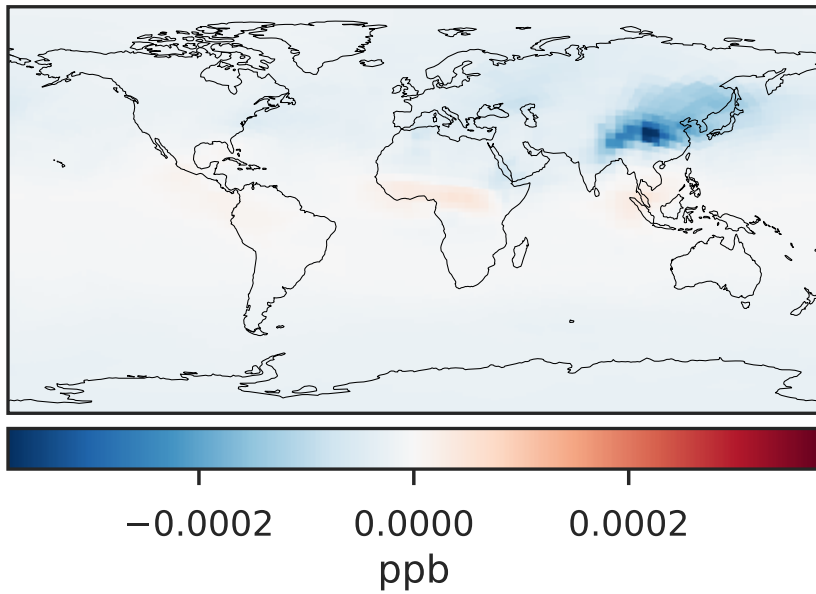
14.2.0-rc.2 (Ref)
c24



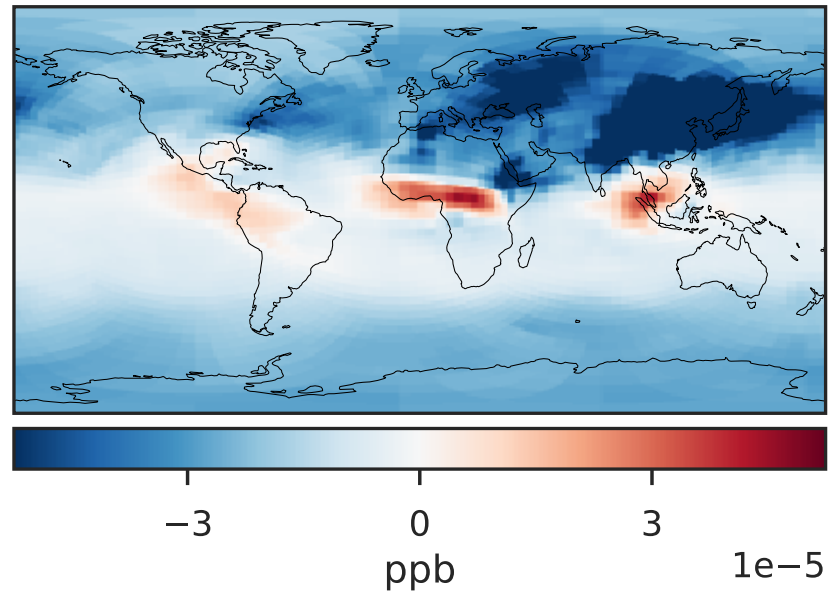
14.3.0-rc.0 (Dev)
c24



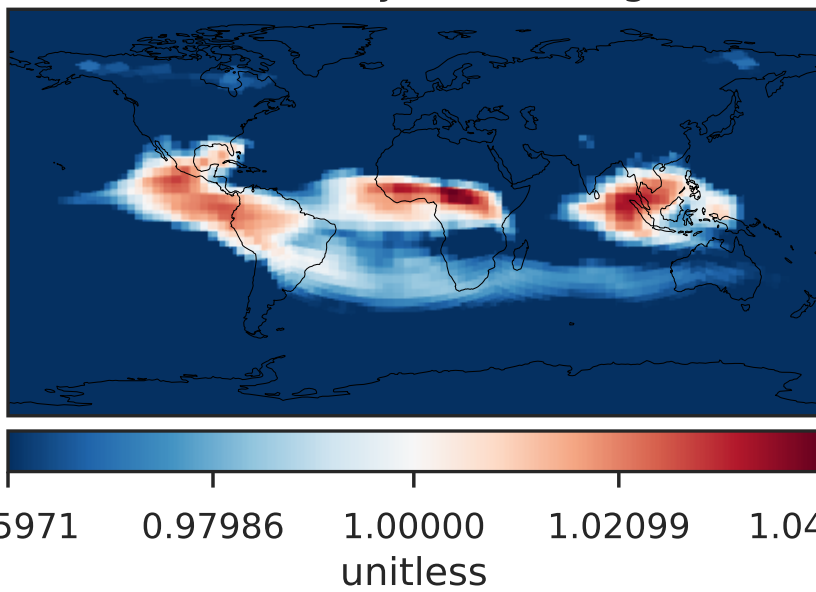
Difference (1x1.25)
Dev - Ref, Dynamic Range



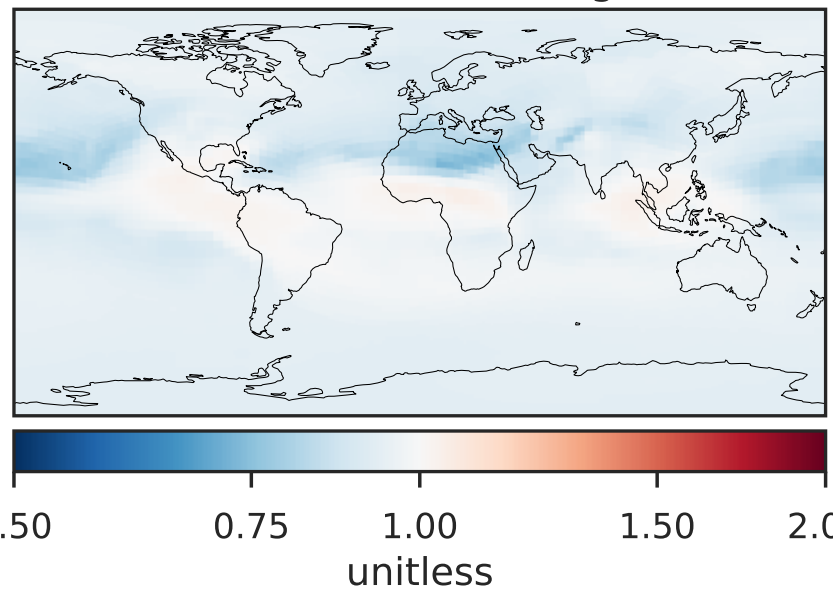
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

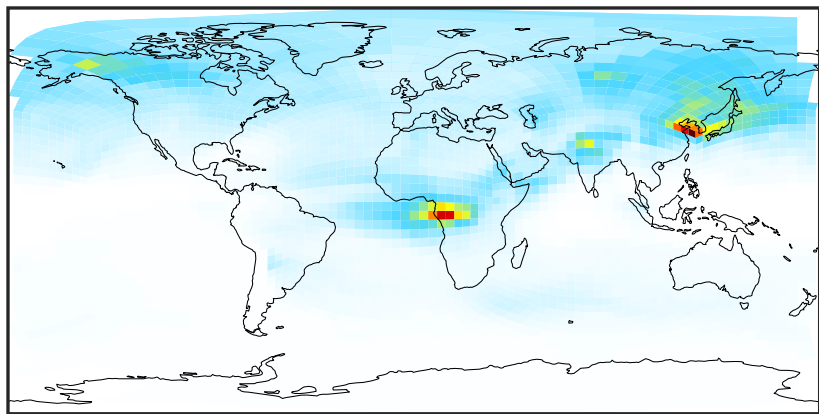


Ratio (1x1.25)
Dev/Ref, Fixed Range



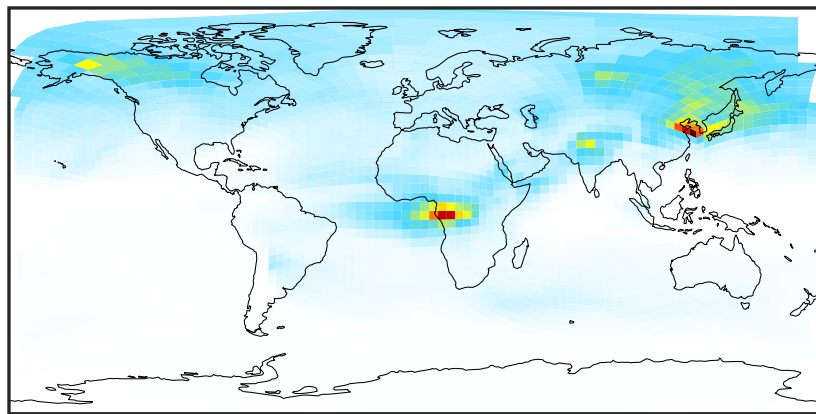
SpeciesConcVV_AONITA (Jul2019)

14.2.0-rc.2 (Ref)
c24



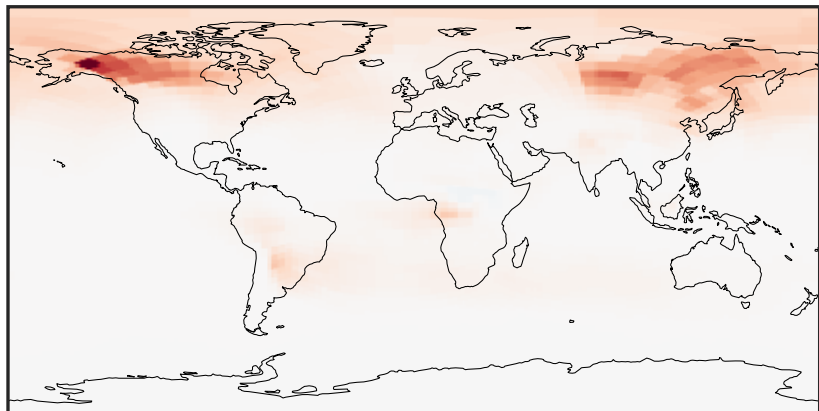
0.0025 0.0050 0.0075
ppb

14.3.0-rc.0 (Dev)
c24



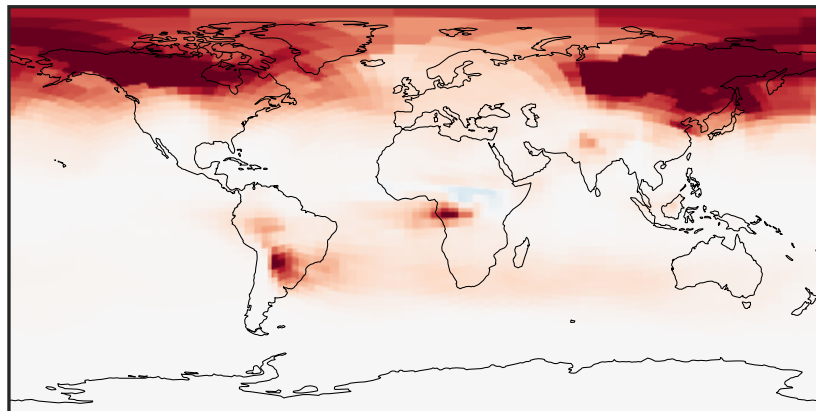
0.0025 0.0050 0.0075
ppb

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



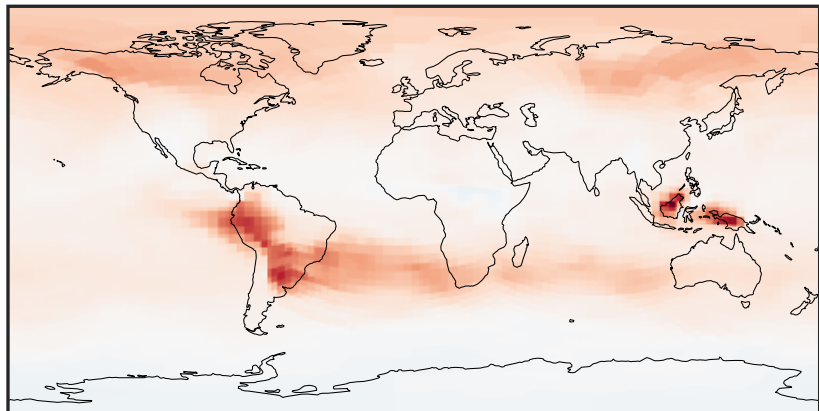
-0.0004 0.0000 0.0004
ppb

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



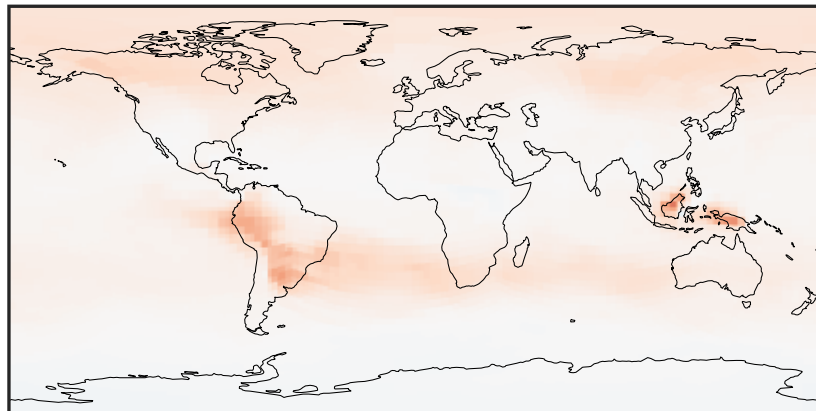
-8 0 8
ppb $1e-5$

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



0.6951 0.8475 1.0000 1.2194 1.4387
unitless

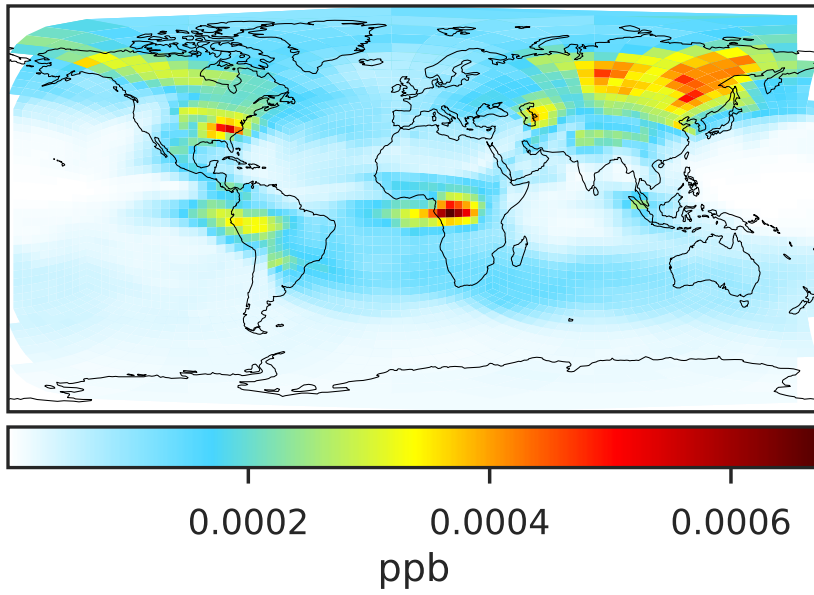
Ratio (1x1.25)
Dev/Ref, Fixed Range



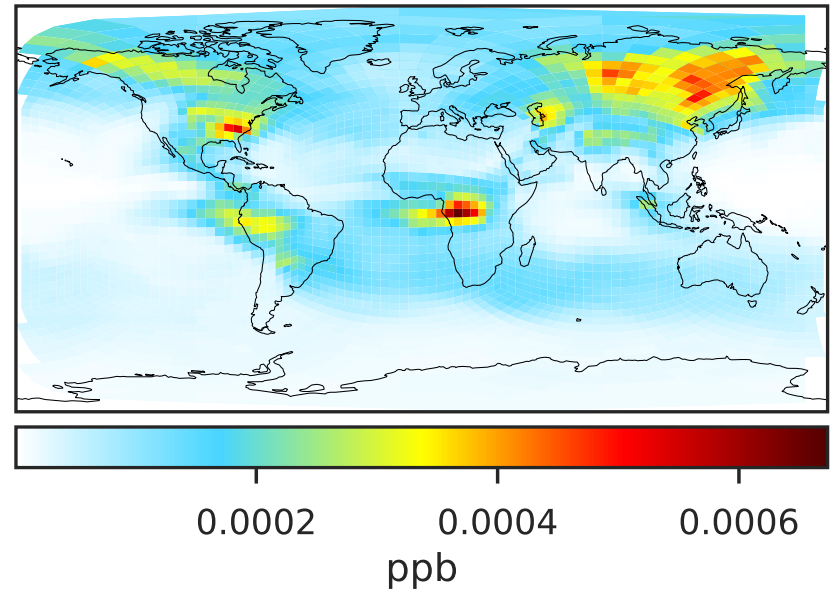
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ETHN (Jul2019)

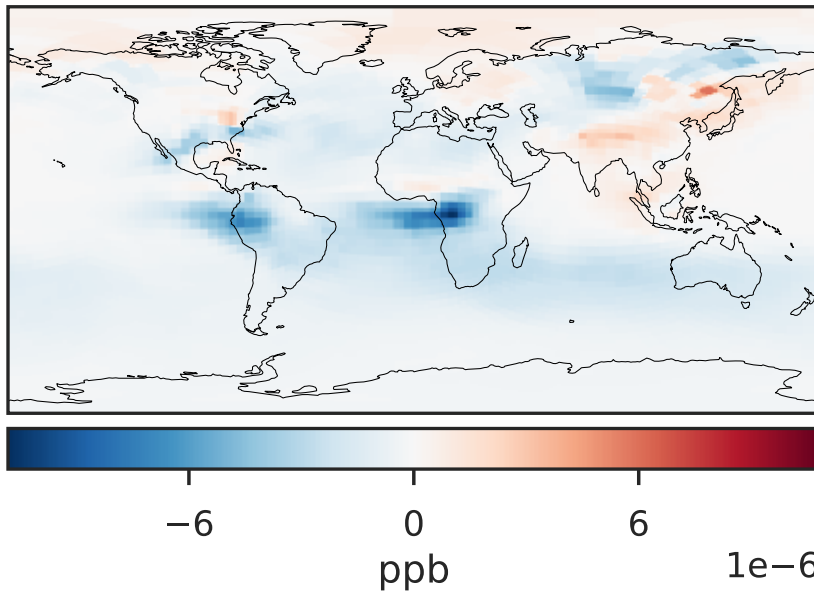
14.2.0-rc.2 (Ref)
c24



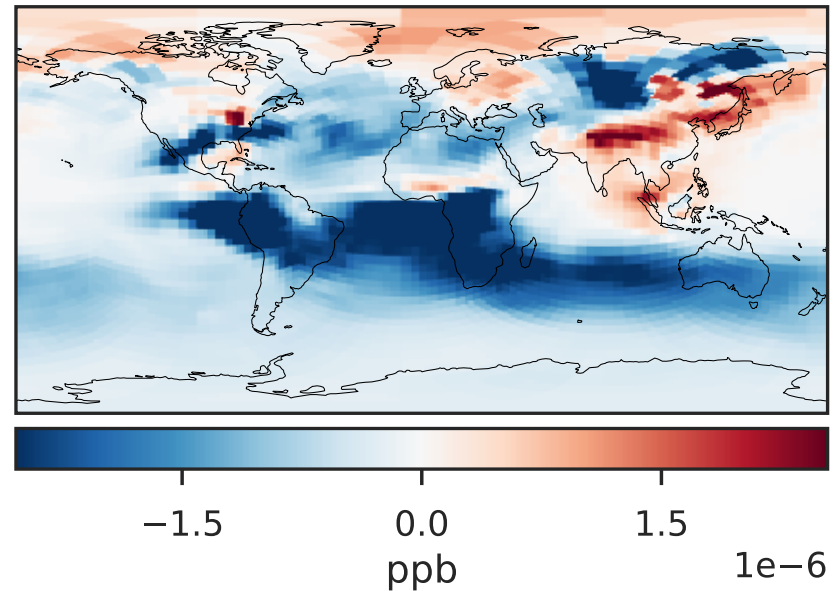
14.3.0-rc.0 (Dev)
c24



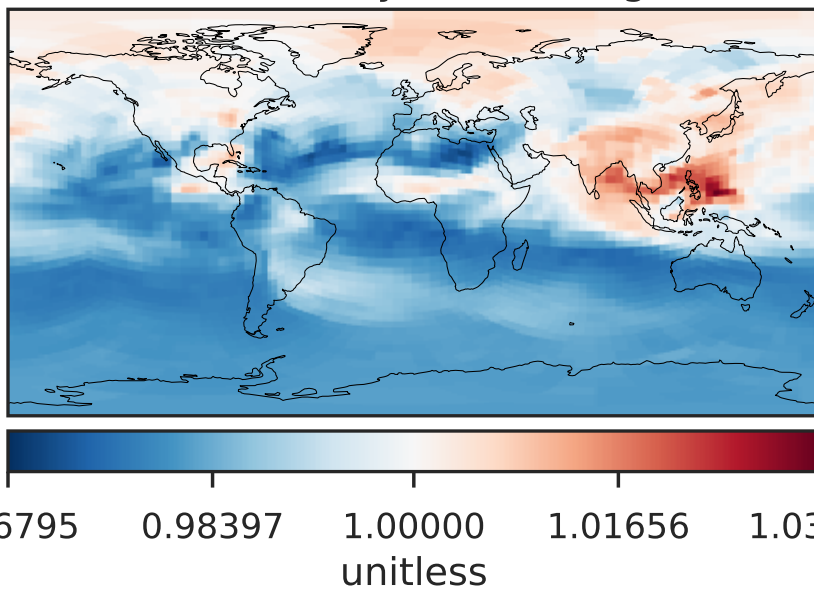
Difference (1x1.25)
Dev - Ref, Dynamic Range



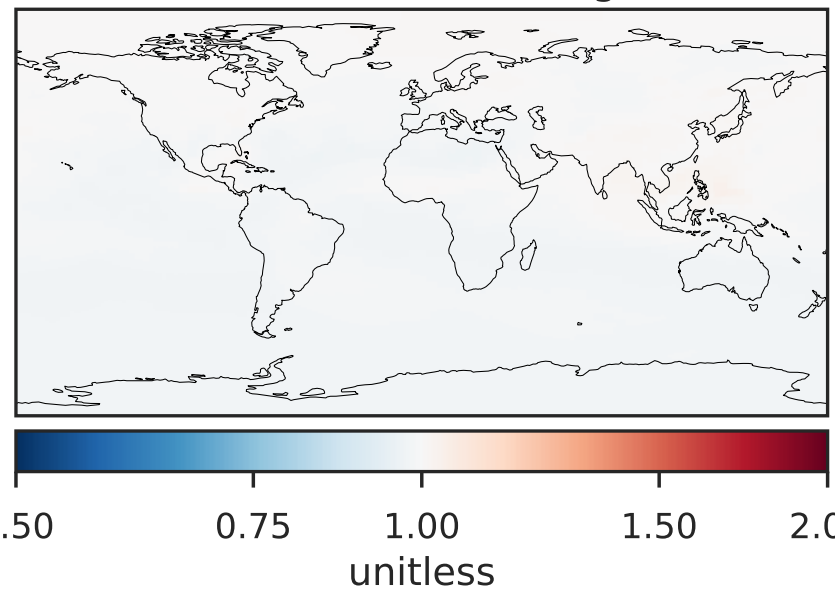
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

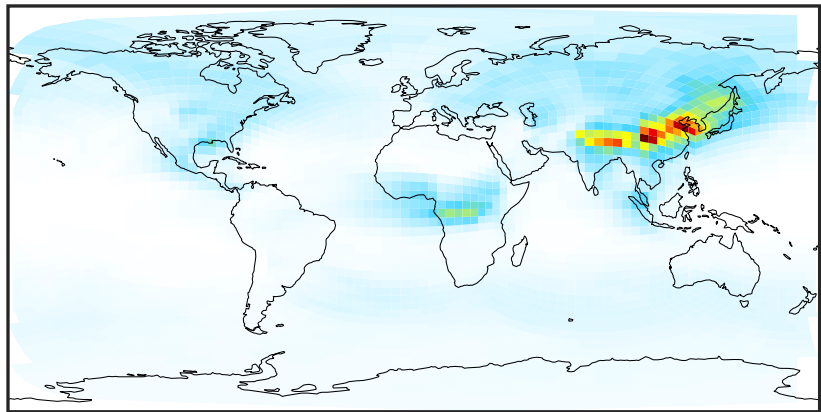


Ratio (1x1.25)
Dev/Ref, Fixed Range



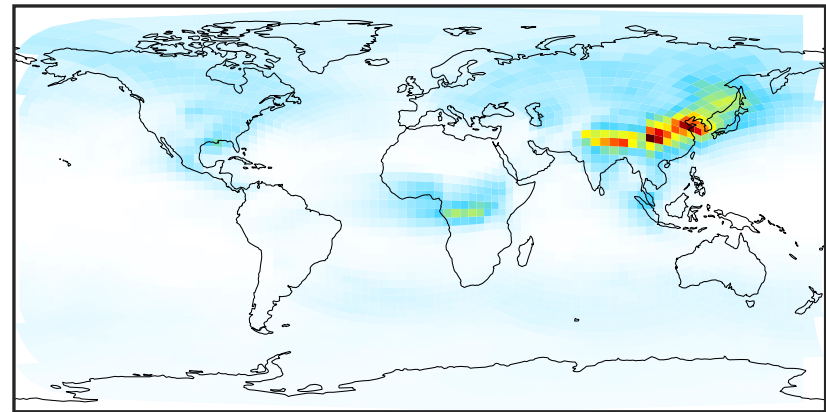
SpeciesConcVV_BZPAN (Jul2019)

14.2.0-rc.2 (Ref)
c24



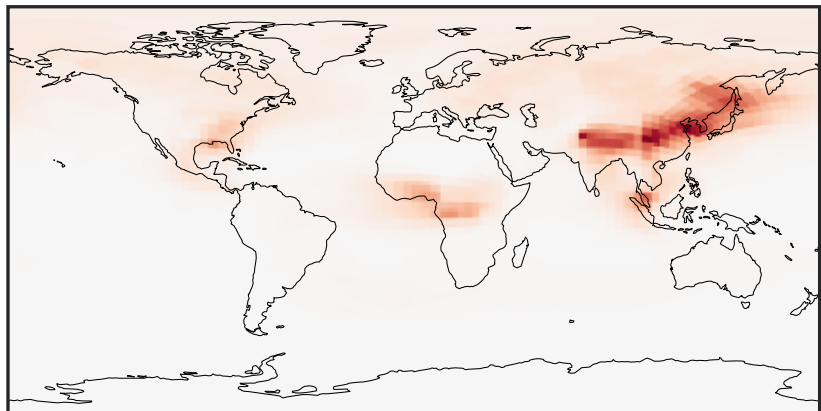
0.00025 0.00050 0.00075
ppb

14.3.0-rc.0 (Dev)
c24



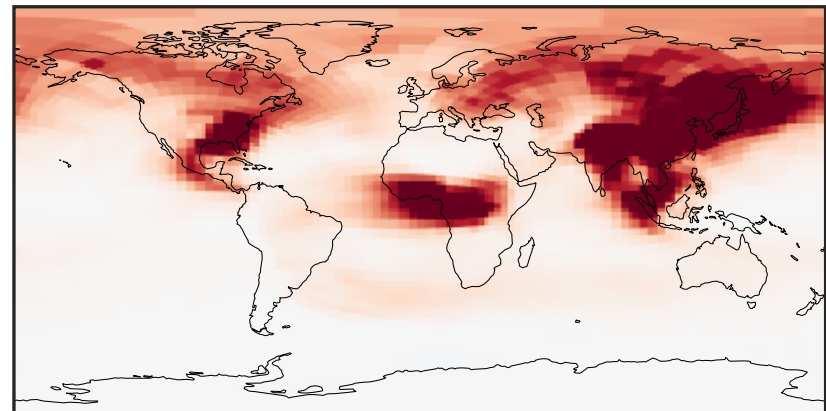
0.00025 0.00050 0.00075
ppb

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



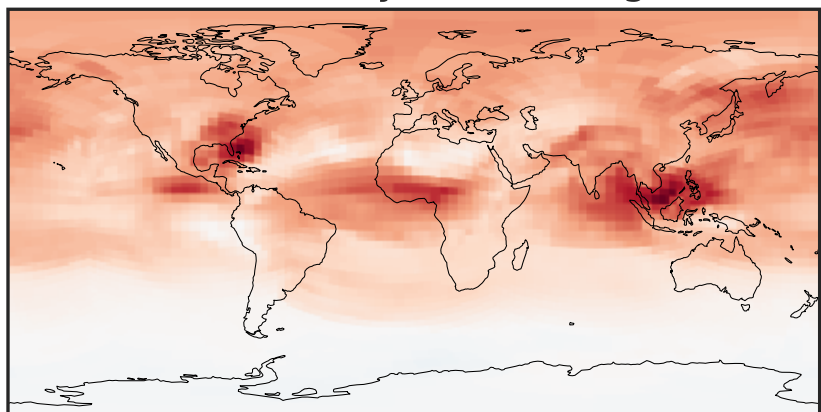
-1.5 0.0 1.5
ppb $1e-5$

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



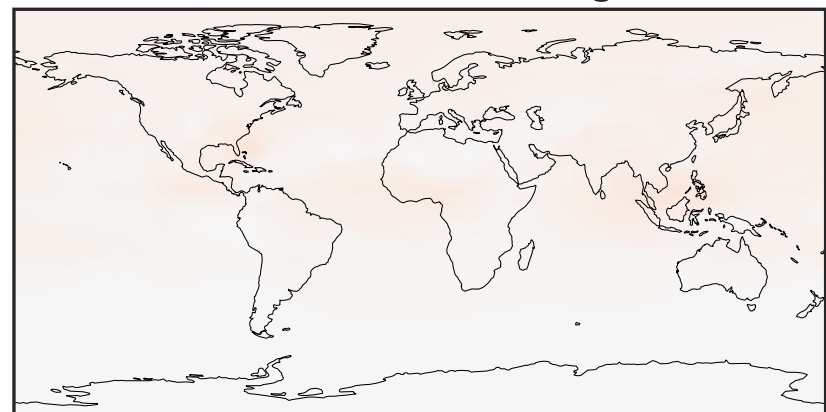
-2.5 0.0 2.5
ppb $1e-6$

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



0.9201 0.9601 1.0000 1.0434 1.0868
unitless

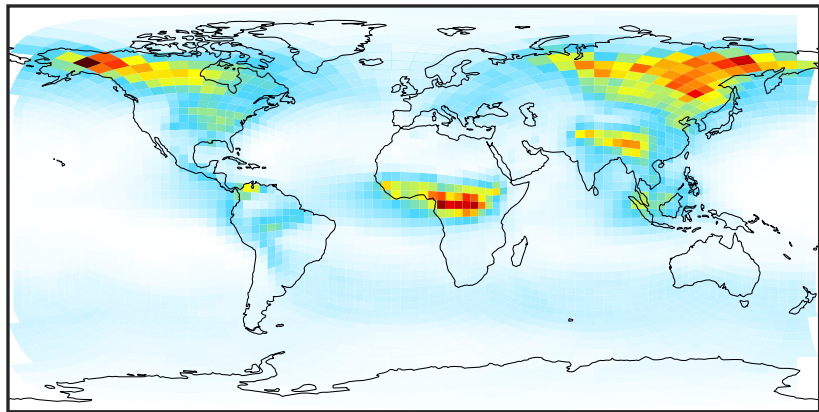
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

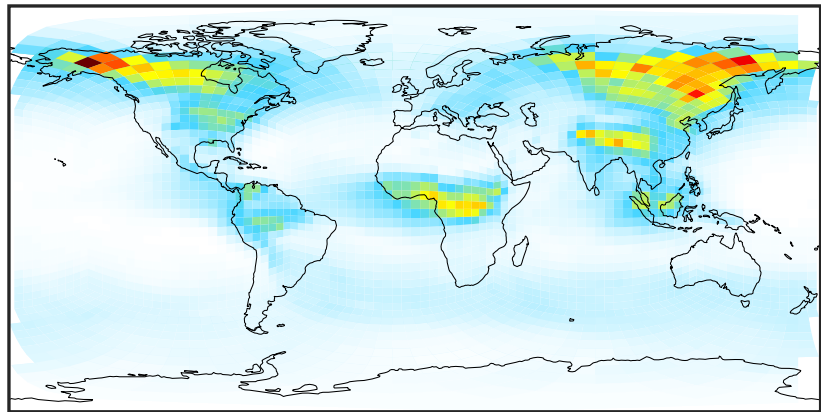
SpeciesConcVV_NPHEN (Jul2019)

14.2.0-rc.2 (Ref)
c24



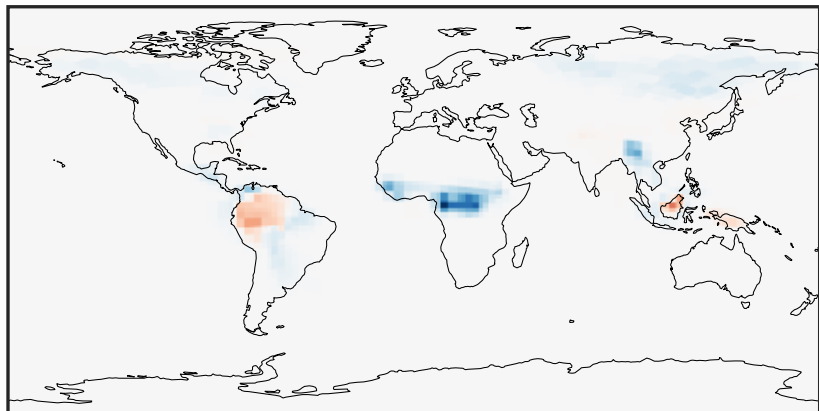
0.00008 0.00016 0.00024
ppb

14.3.0-rc.0 (Dev)
c24



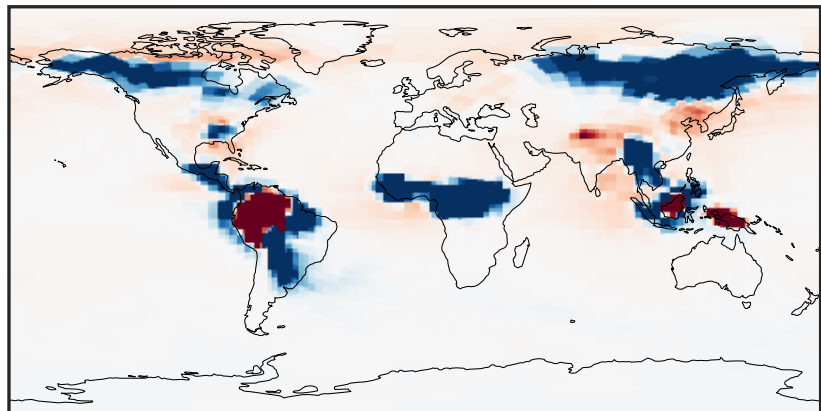
0.00008 0.00016 0.00024
ppb

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



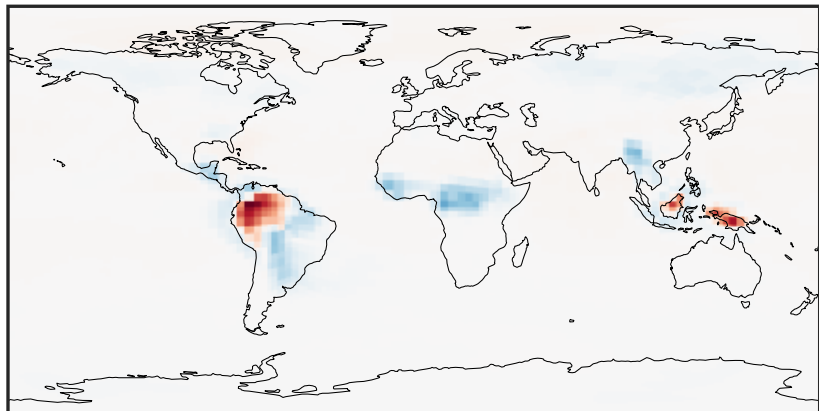
-6 0 6
ppb $1e-5$

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



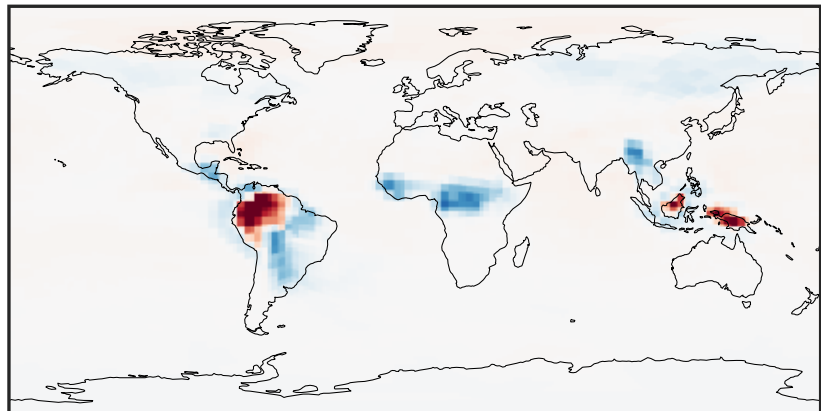
-2.5 0.0 2.5
ppb $1e-6$

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



0.345 0.673 1.000 1.948 2.896
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless