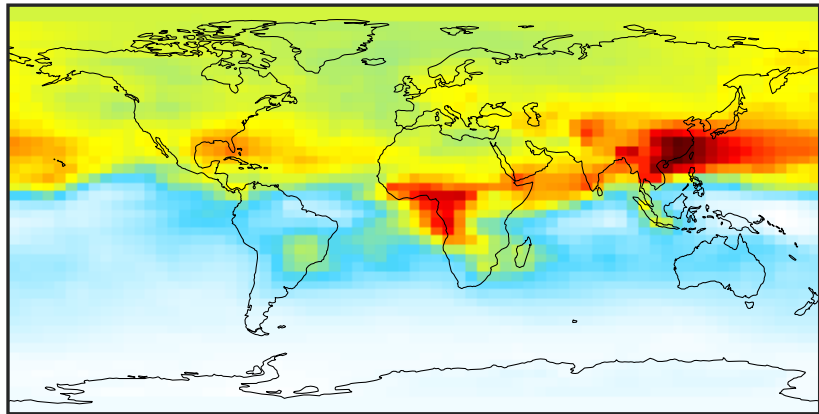


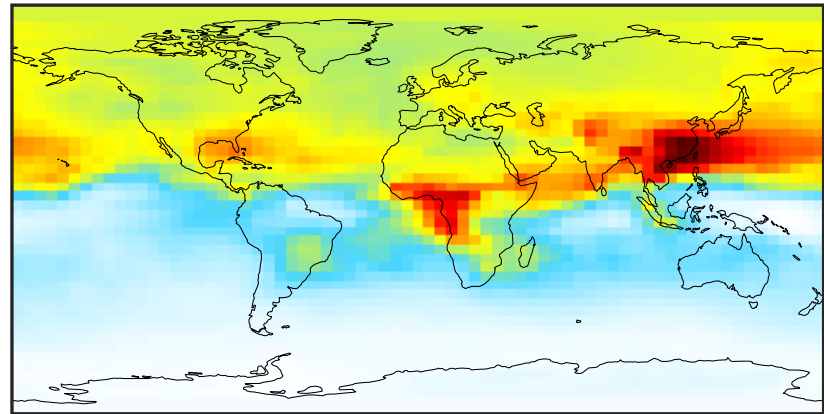
SpeciesConcVV_NOy (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



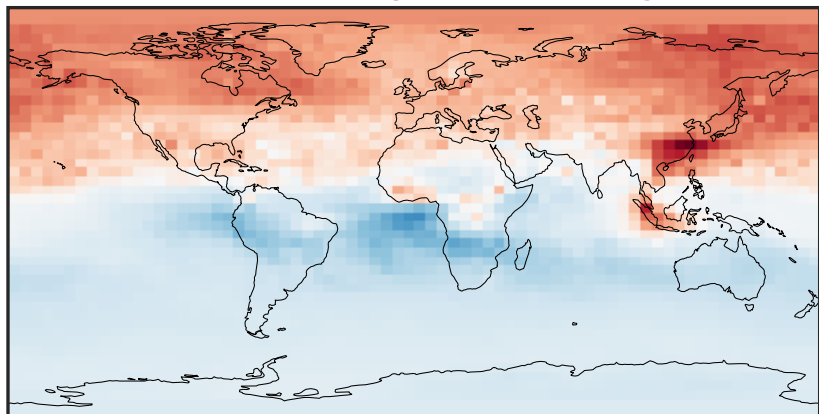
0.0305 0.2422 0.4539 0.6655 0.8772
ppb

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



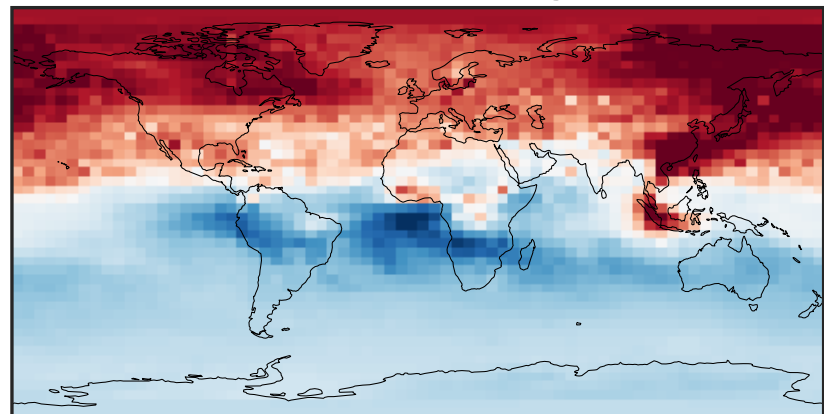
0.0305 0.2422 0.4539 0.6655 0.8772
ppb

Difference
Dev - Ref, Dynamic Range



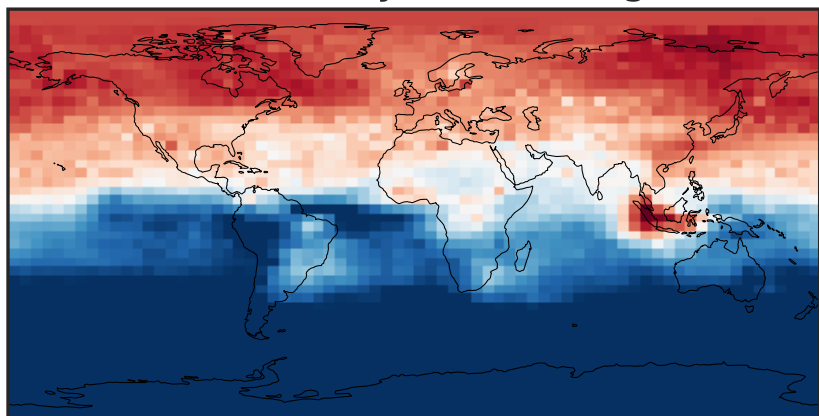
-0.005 0.000 0.005
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



-0.003 0.000 0.003
ppb

Ratio
Dev/Ref, Dynamic Range



0.98335 0.99168 1.00000 1.00847 1.01693
unitless

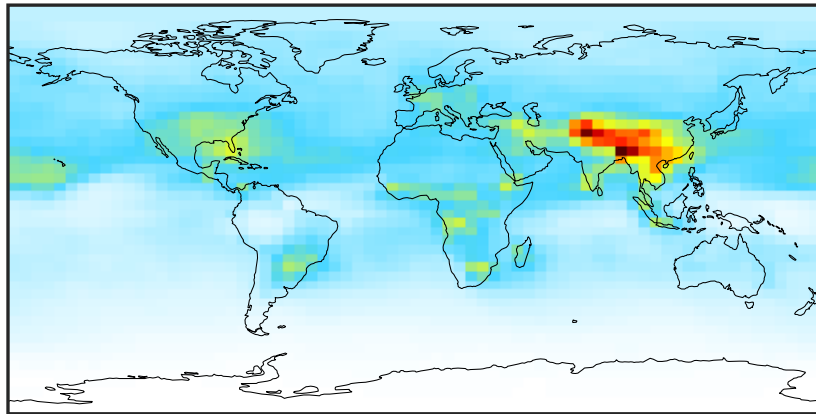
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

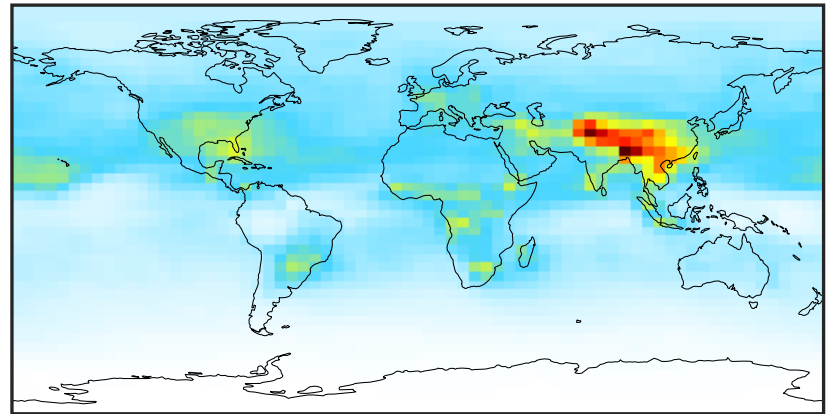
SpeciesConcVV_NOx (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



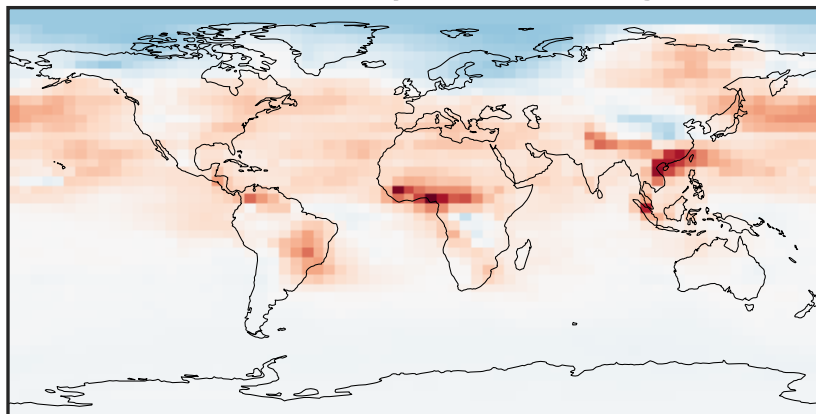
0.0009 0.0602 0.1195 0.1788 0.2381
ppb

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



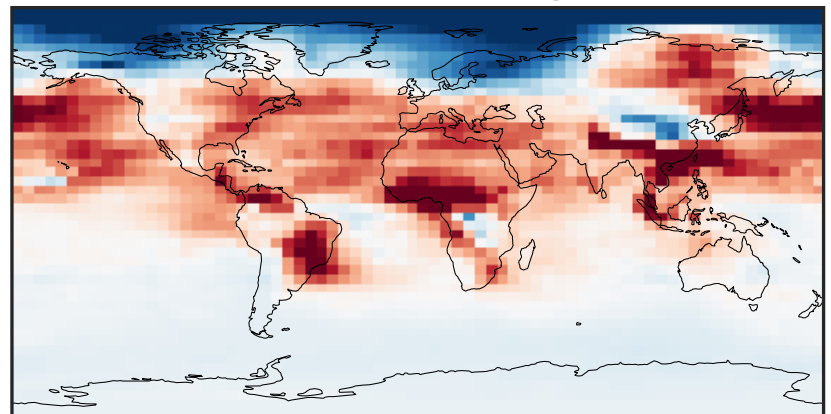
0.0009 0.0602 0.1195 0.1788 0.2381
ppb

Difference
Dev - Ref, Dynamic Range



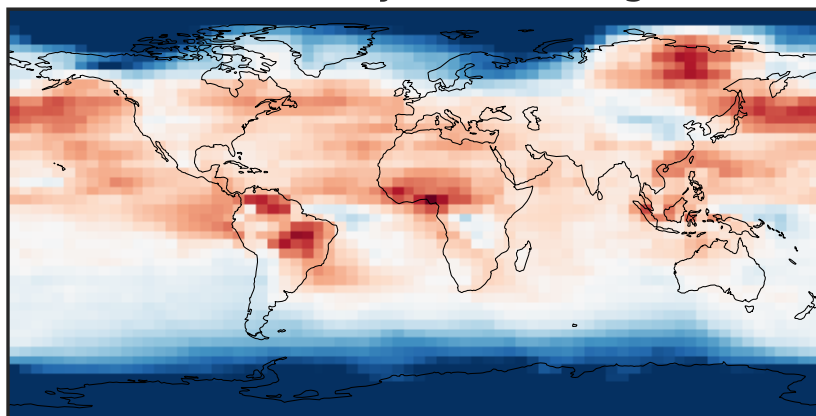
-0.0015 0.0000 0.0015
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



-0.0006 0.0000 0.0006
ppb

Ratio
Dev/Ref, Dynamic Range



0.96361 0.98181 1.00000 1.01888 1.03776
unitless

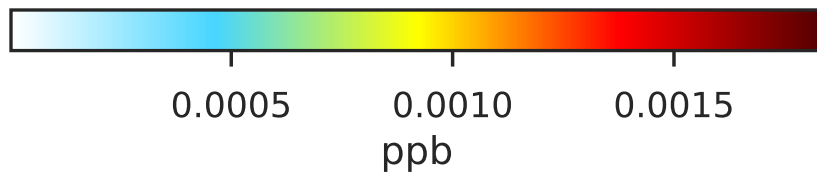
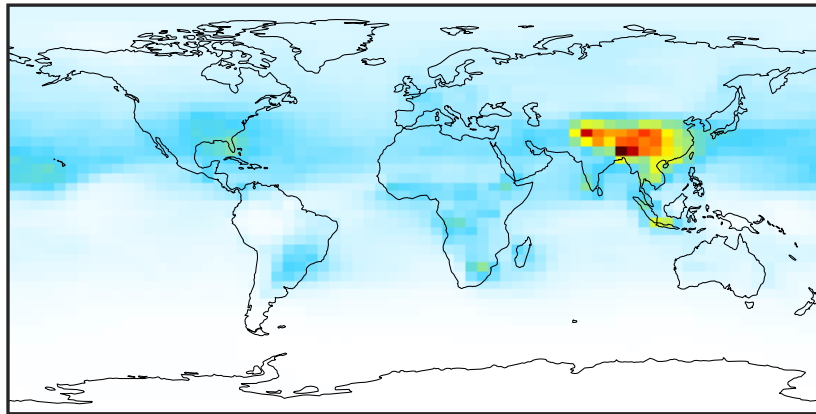
Ratio
Dev/Ref, Fixed Range



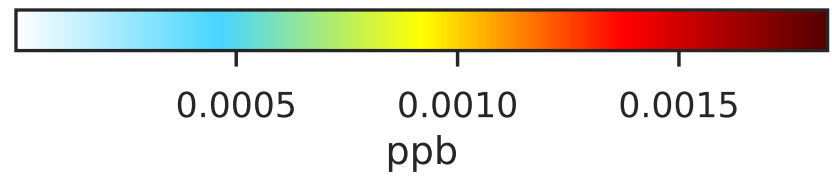
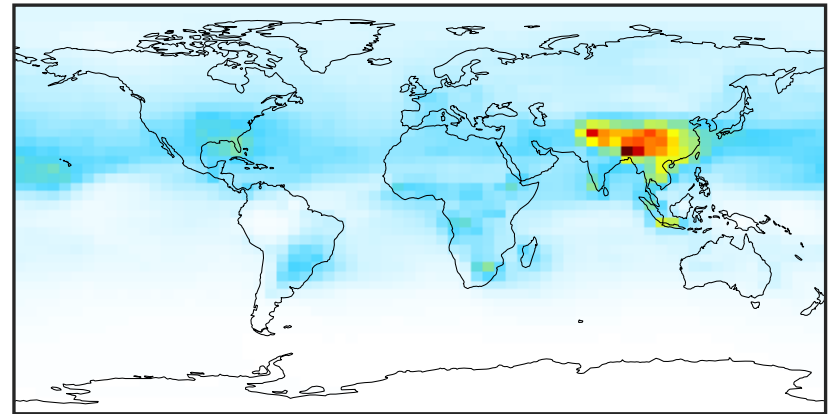
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO2 (Apr2019)

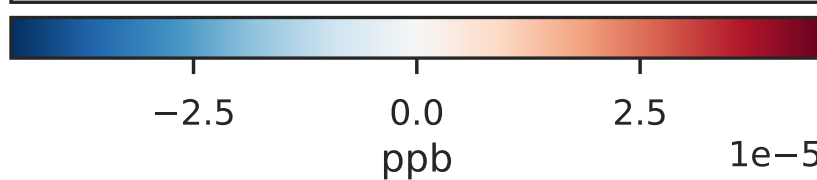
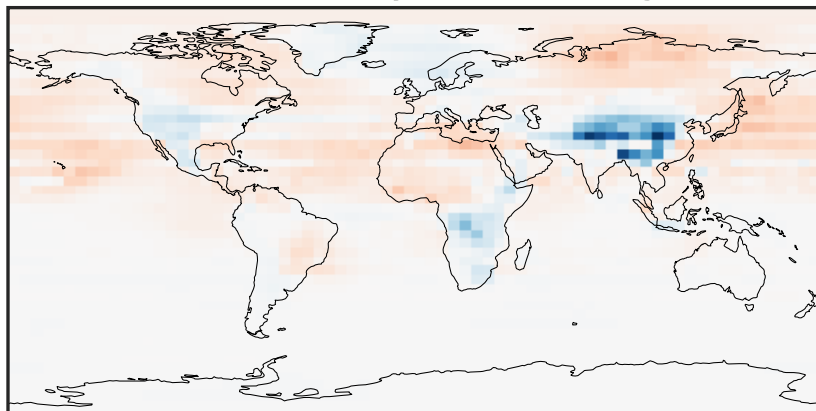
14.2.0-rc.2 (Ref)
4.0x5.0



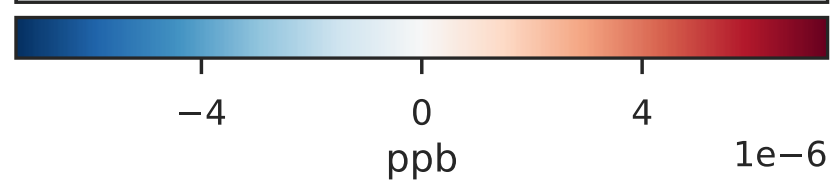
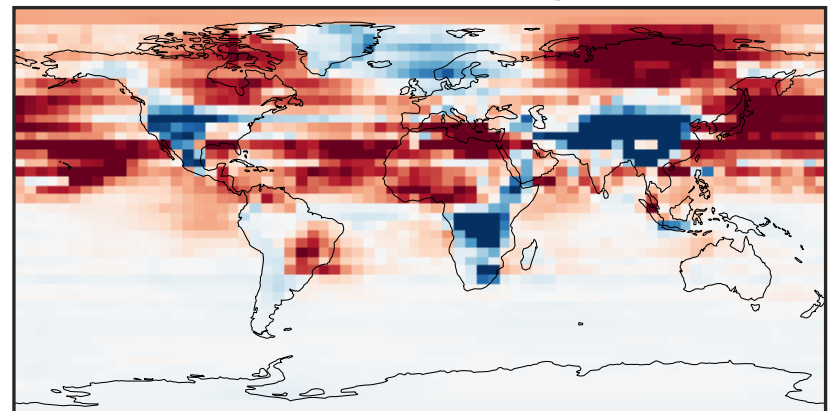
14.3.0-rc.0 (Dev)
4.0x5.0



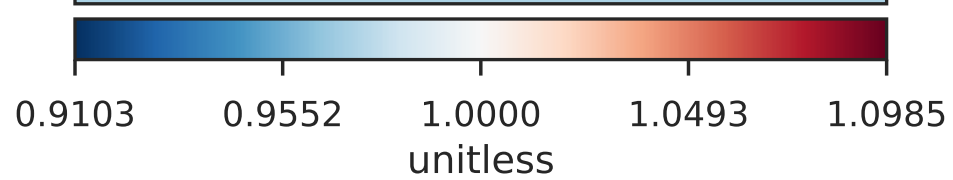
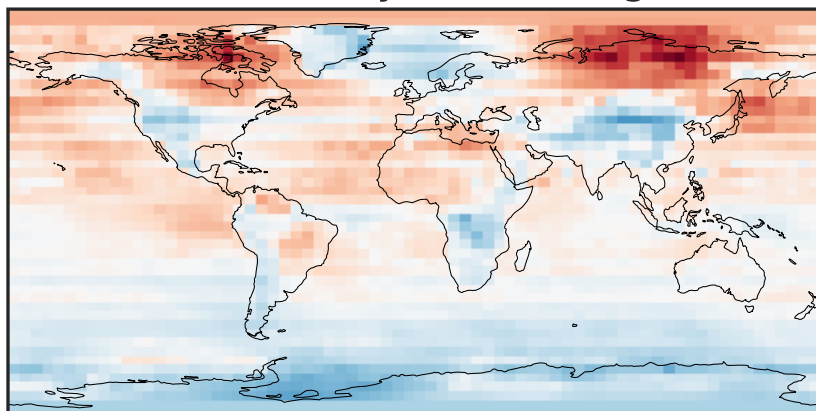
Difference
Dev - Ref, Dynamic Range



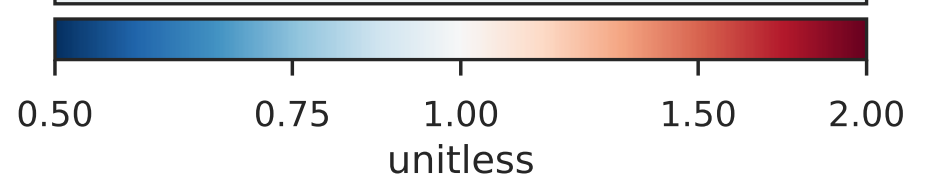
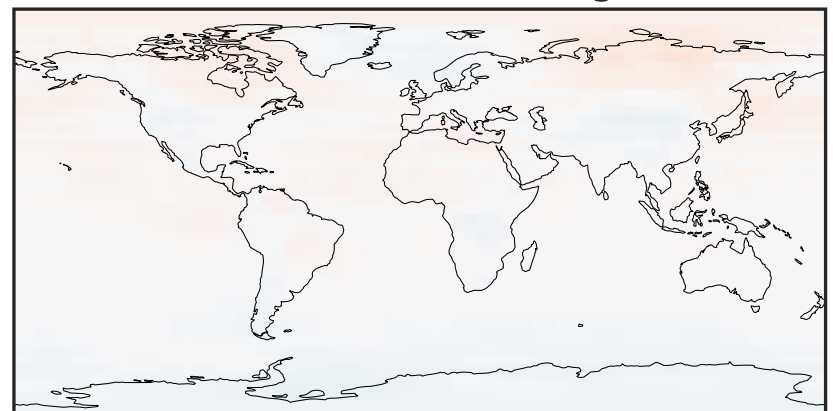
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

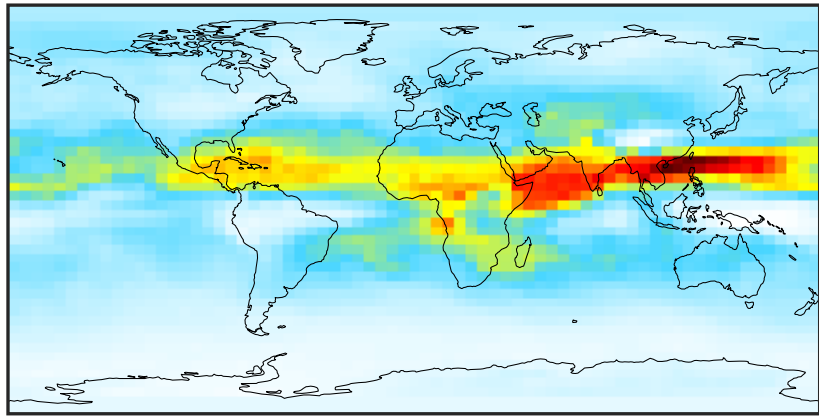


Ratio
Dev/Ref, Fixed Range



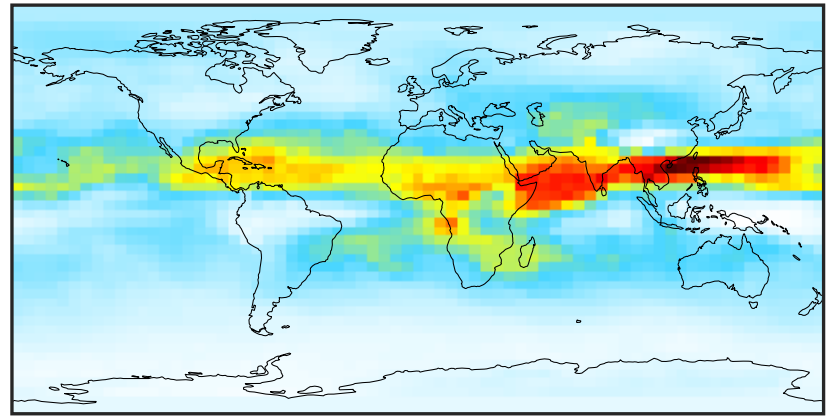
SpeciesConcVV_HNO3 (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



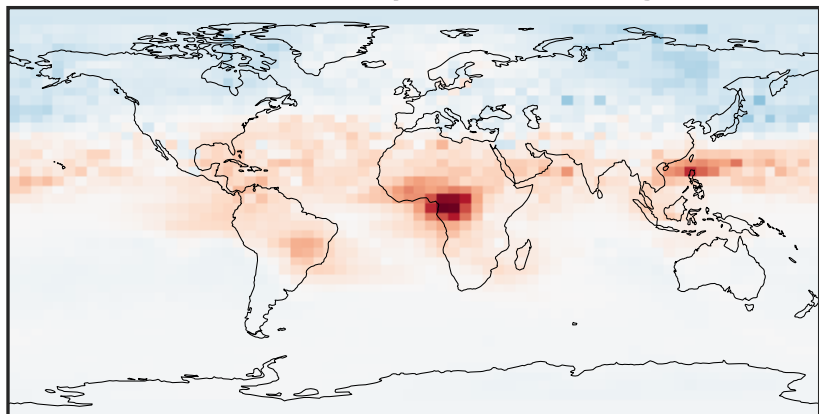
0.0028 0.0943 0.1857 0.2772 0.3687
ppb

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



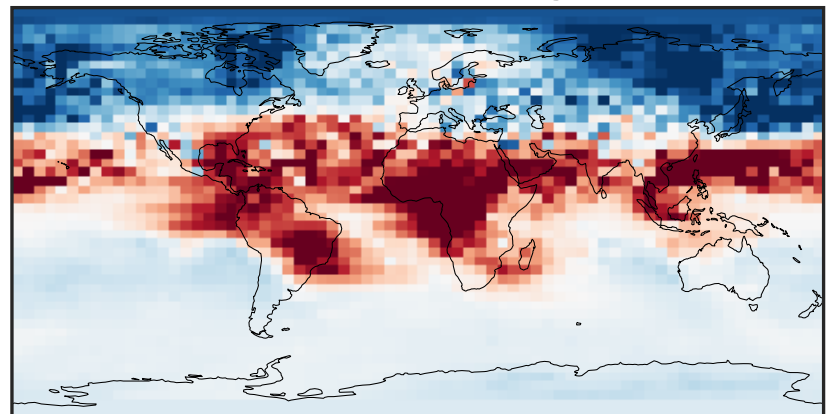
0.0028 0.0943 0.1857 0.2772 0.3687
ppb

Difference
Dev - Ref, Dynamic Range



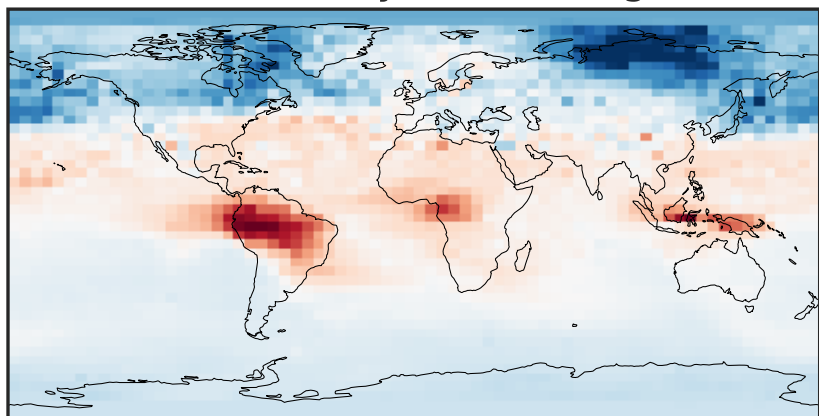
-0.005 0.000 0.005
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



-0.001 0.000 0.001
ppb

Ratio
Dev/Ref, Dynamic Range



0.9308 0.9654 1.0000 1.0372 1.0743
unitless

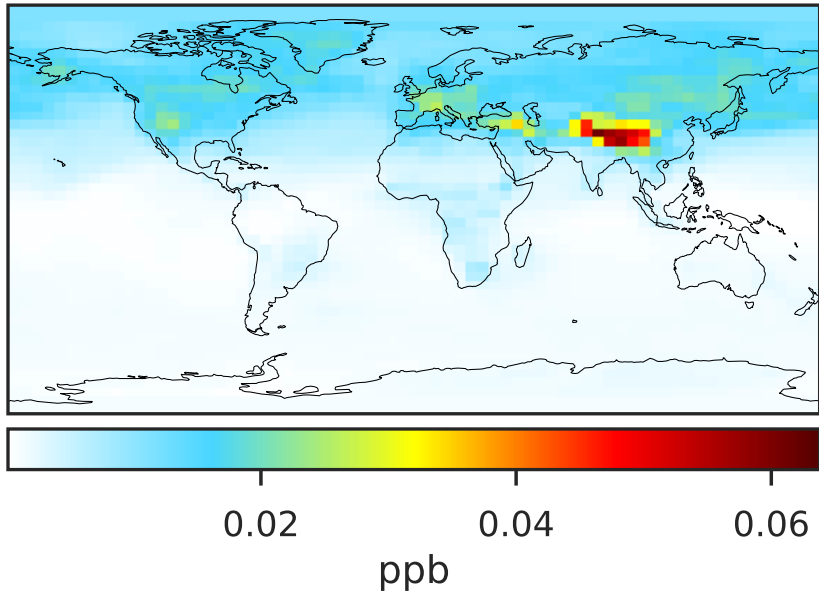
Ratio
Dev/Ref, Fixed Range



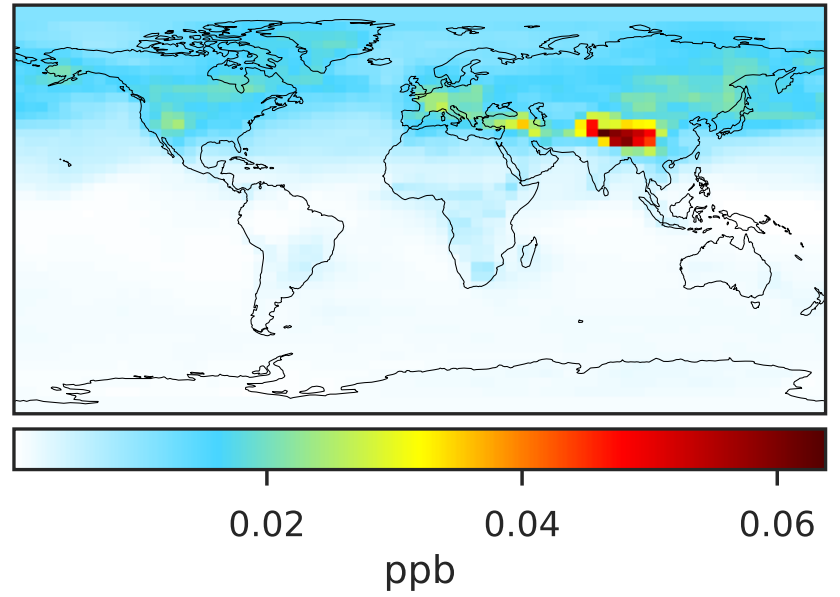
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO4 (Apr2019)

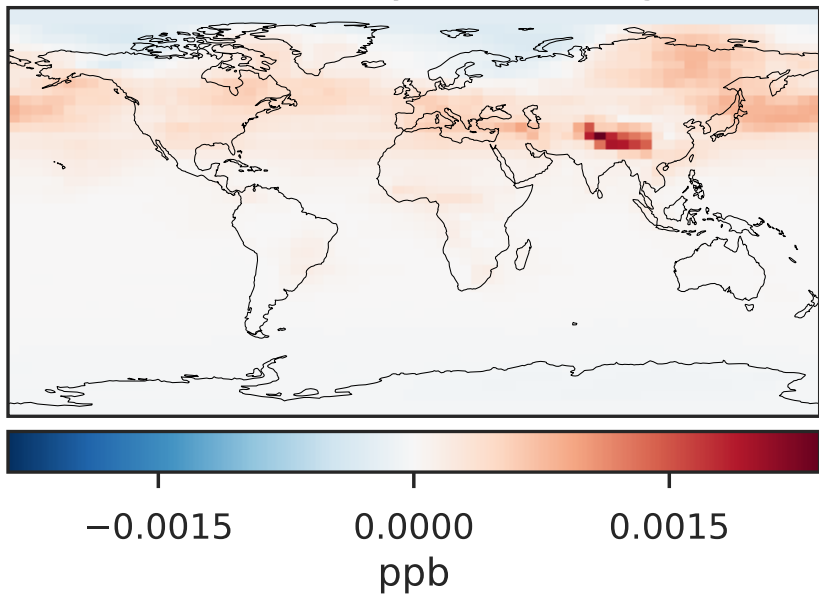
14.2.0-rc.2 (Ref)
4.0x5.0



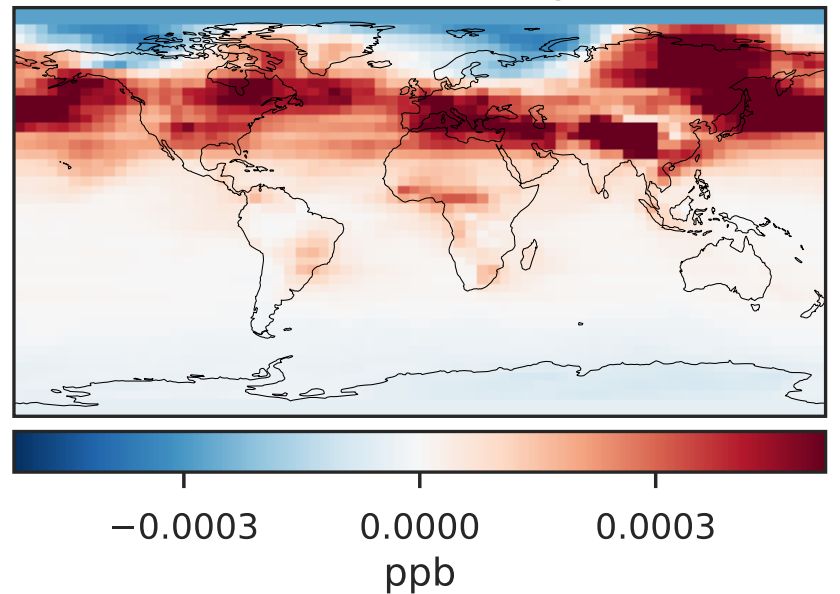
14.3.0-rc.0 (Dev)
4.0x5.0



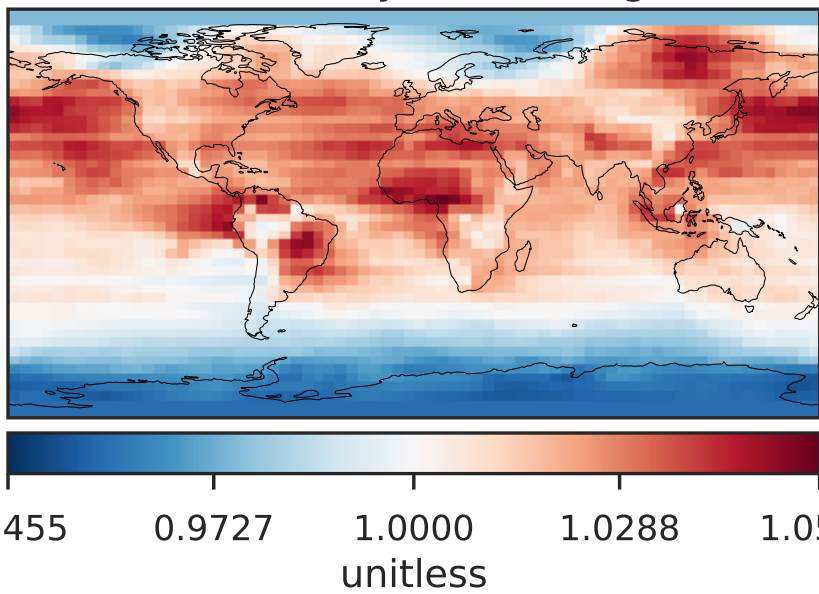
Difference
Dev - Ref, Dynamic Range



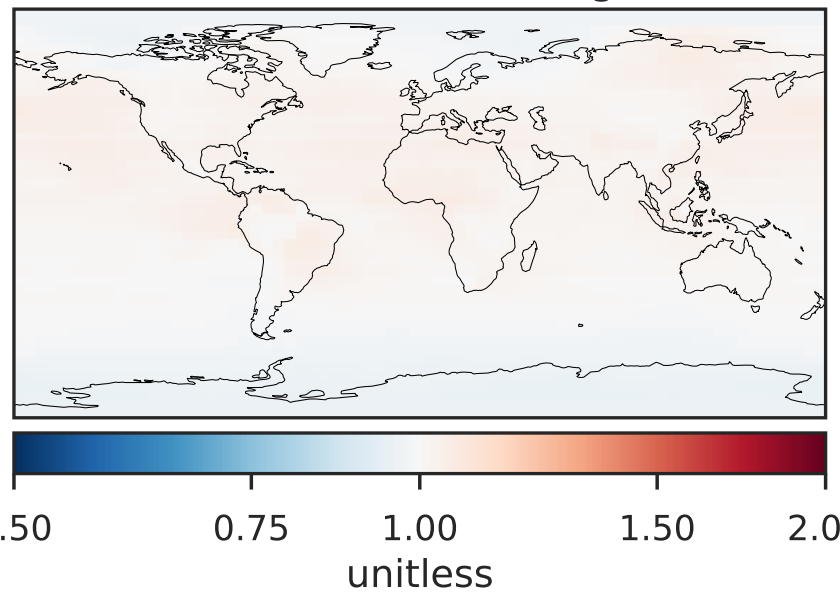
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

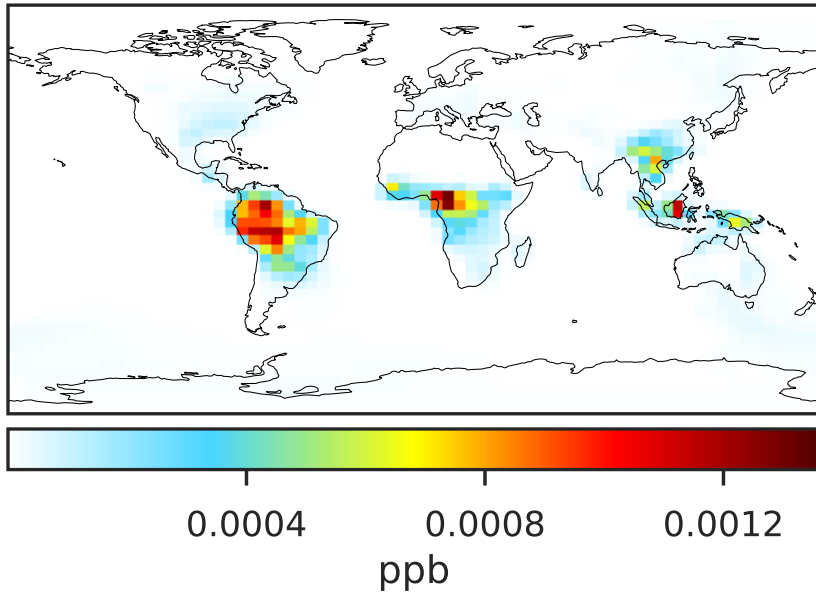


Ratio
Dev/Ref, Fixed Range

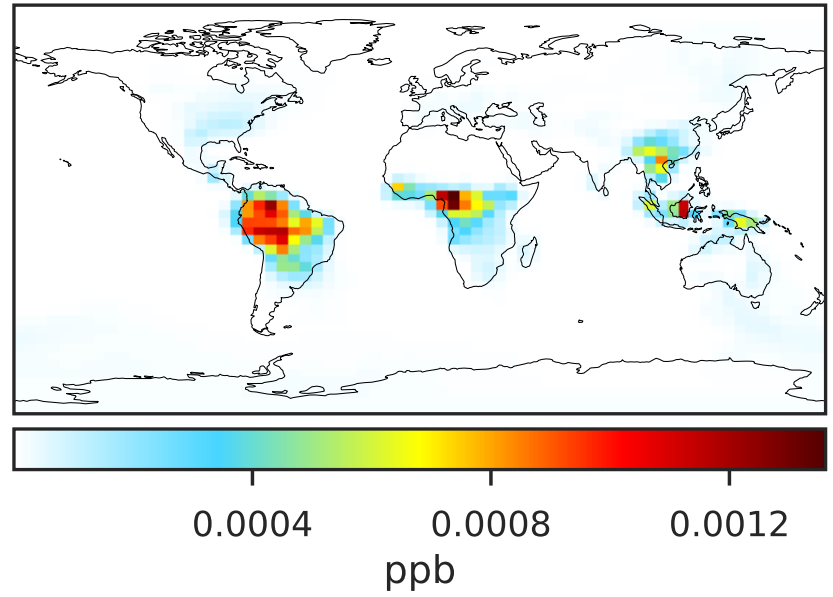


SpeciesConcVV_MPAN (Apr2019)

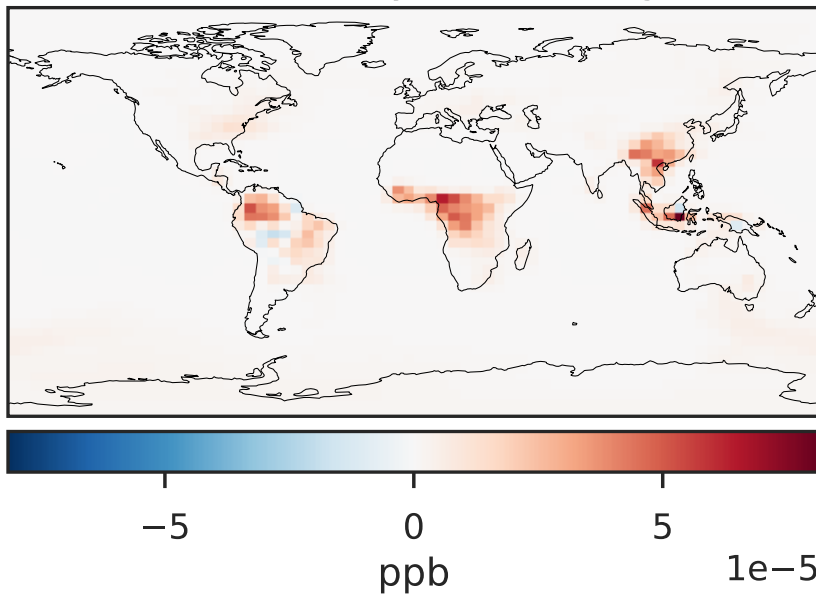
14.2.0-rc.2 (Ref)
4.0x5.0



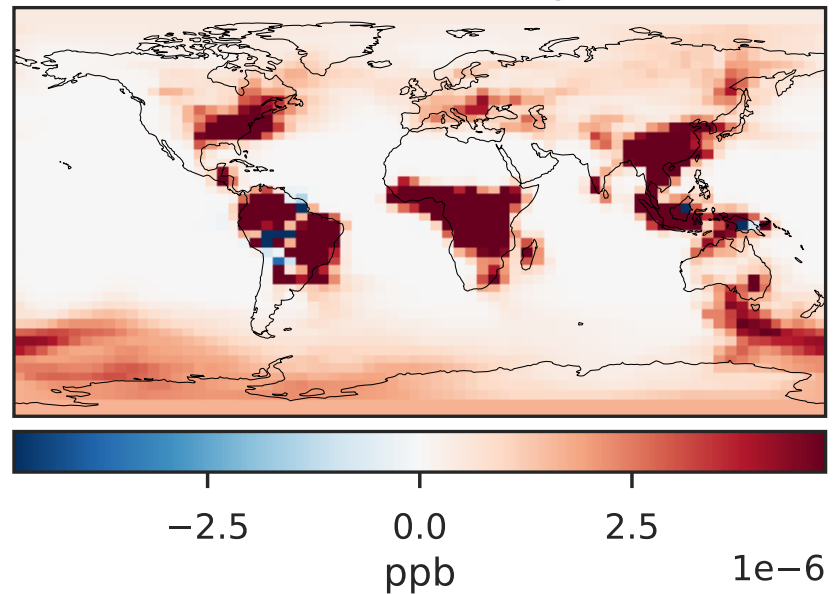
14.3.0-rc.0 (Dev)
4.0x5.0



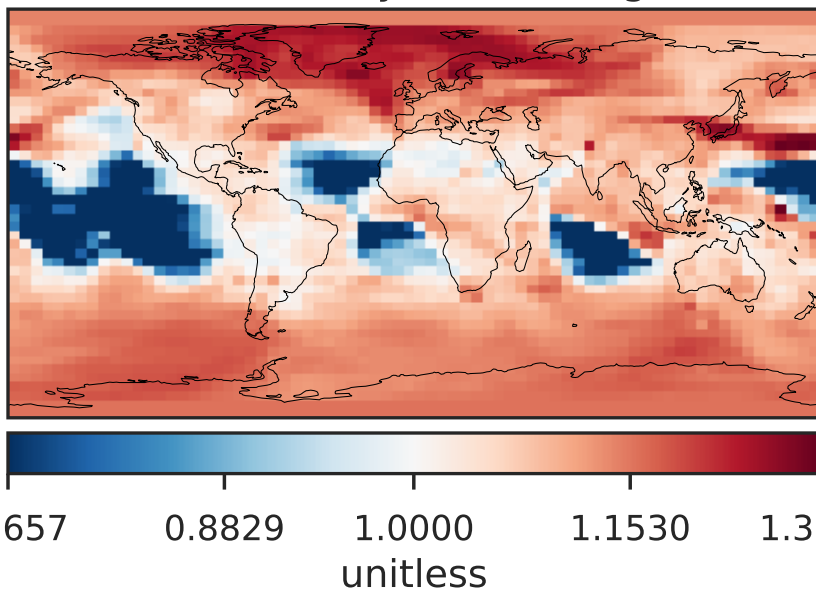
Difference
Dev - Ref, Dynamic Range



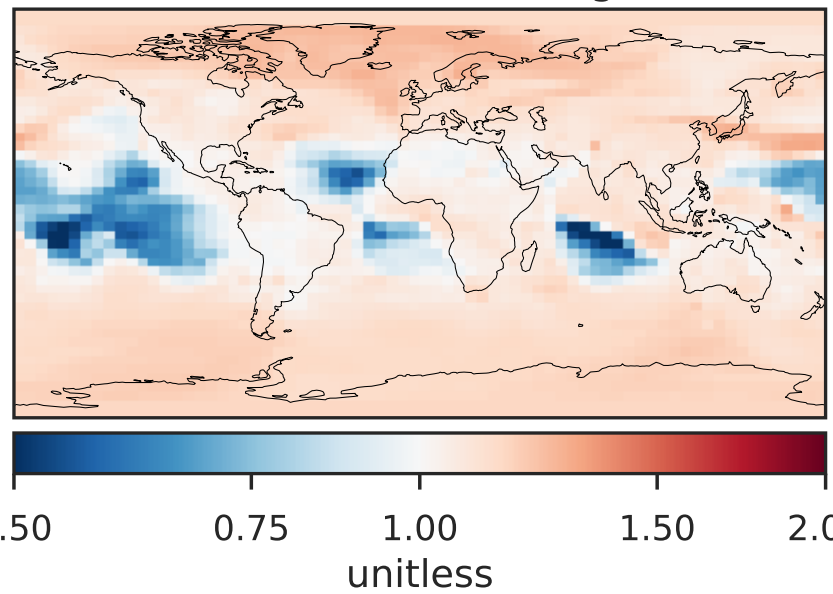
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

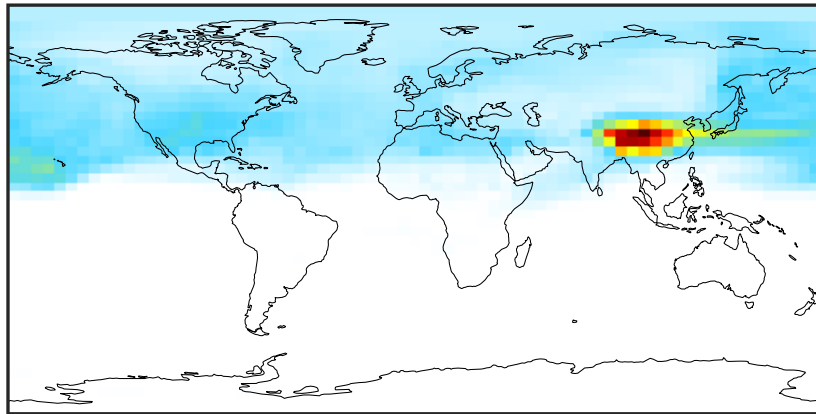


Ratio
Dev/Ref, Fixed Range



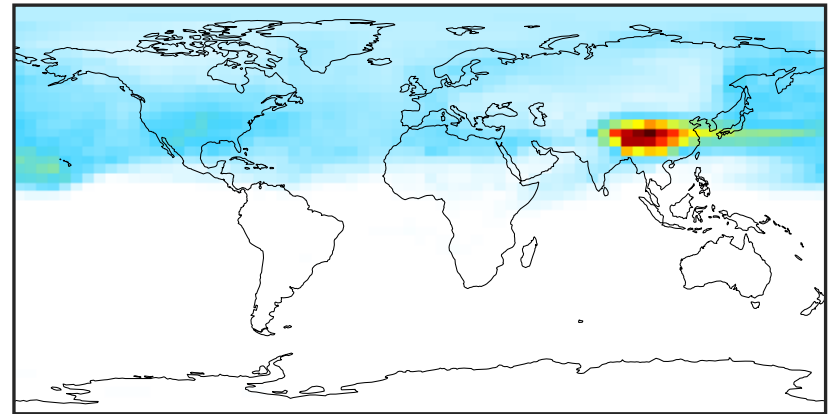
SpeciesConcVV_NIT (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



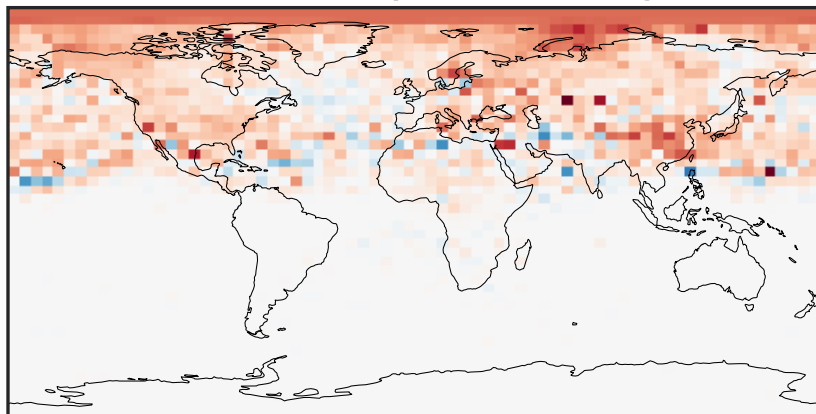
0.0000 0.1321 0.2642 0.3963 0.5284
ppb

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



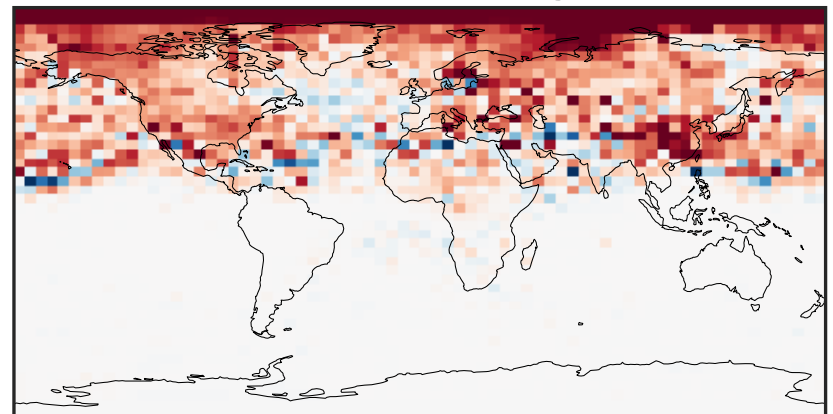
0.0000 0.1321 0.2642 0.3963 0.5284
ppb

Difference
Dev - Ref, Dynamic Range



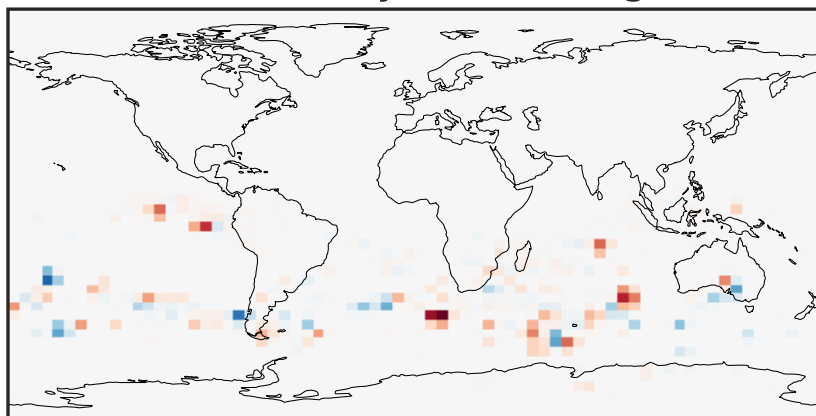
-0.0015 0.0000 0.0015
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



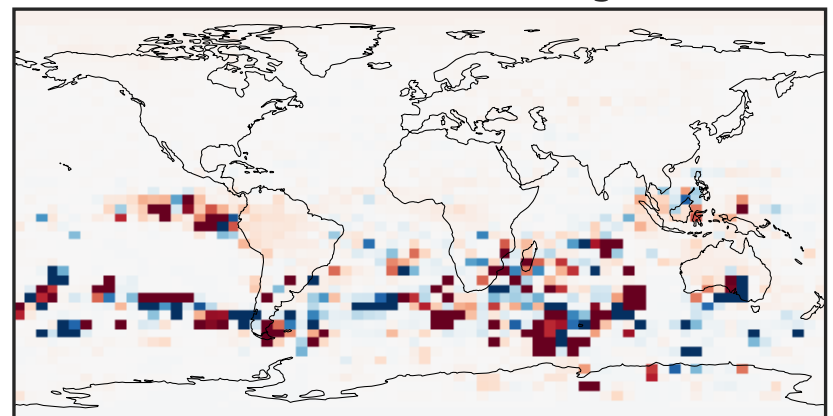
-0.0008 0.0000 0.0008
ppb

Ratio
Dev/Ref, Dynamic Range



unitless

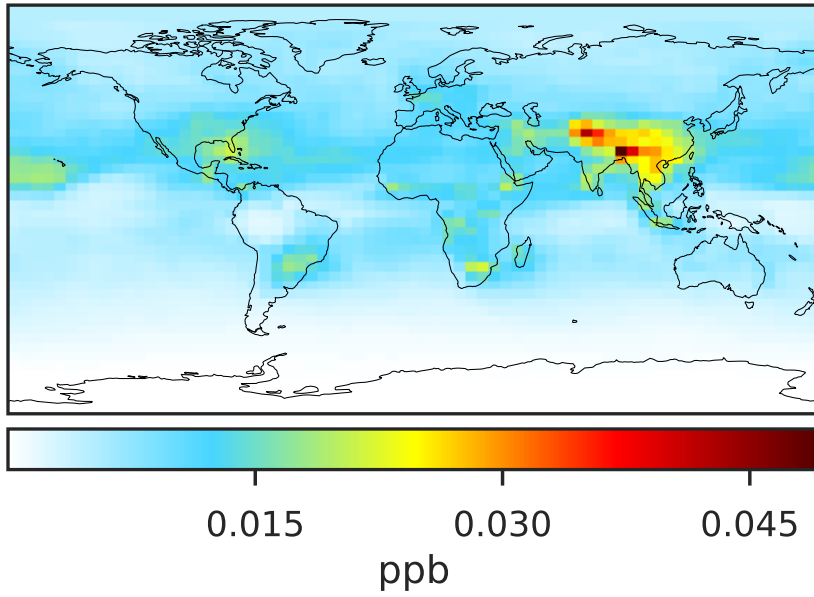
Ratio
Dev/Ref, Fixed Range



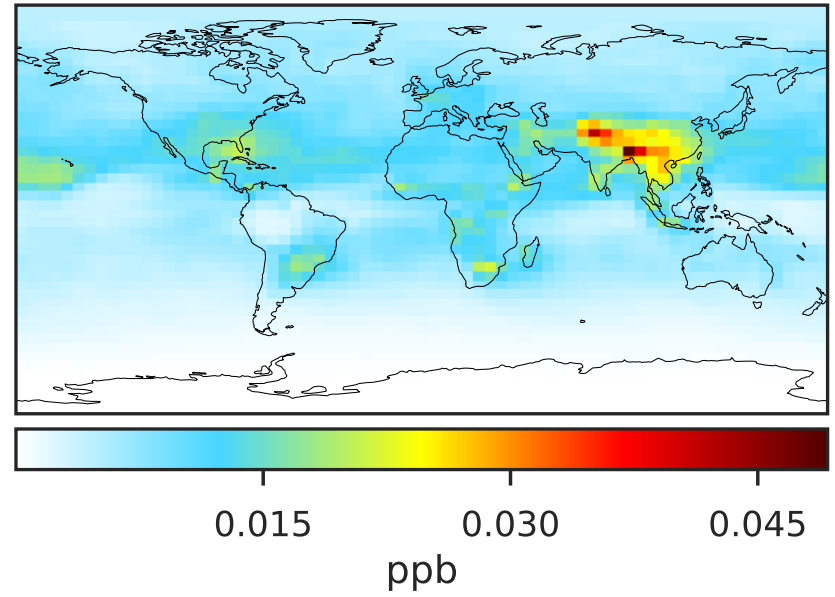
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NO (Apr2019)

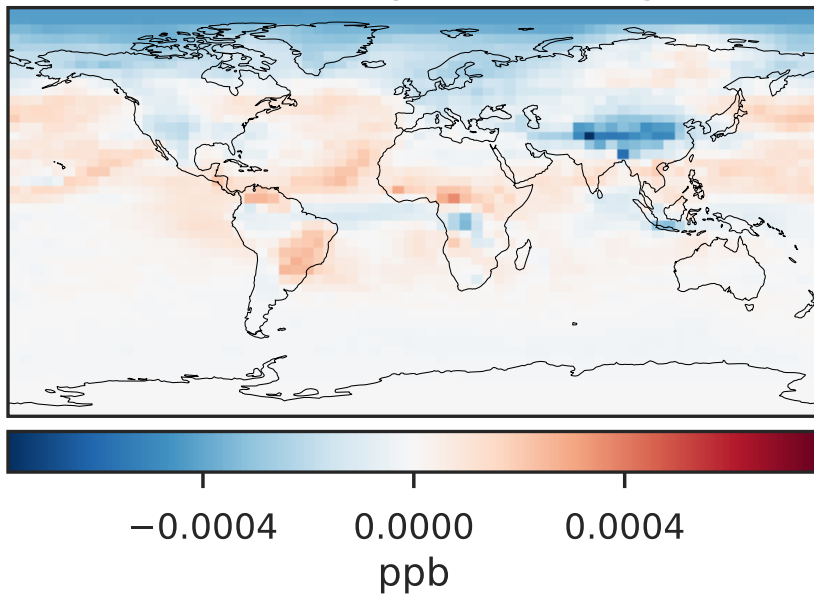
14.2.0-rc.2 (Ref)
4.0x5.0



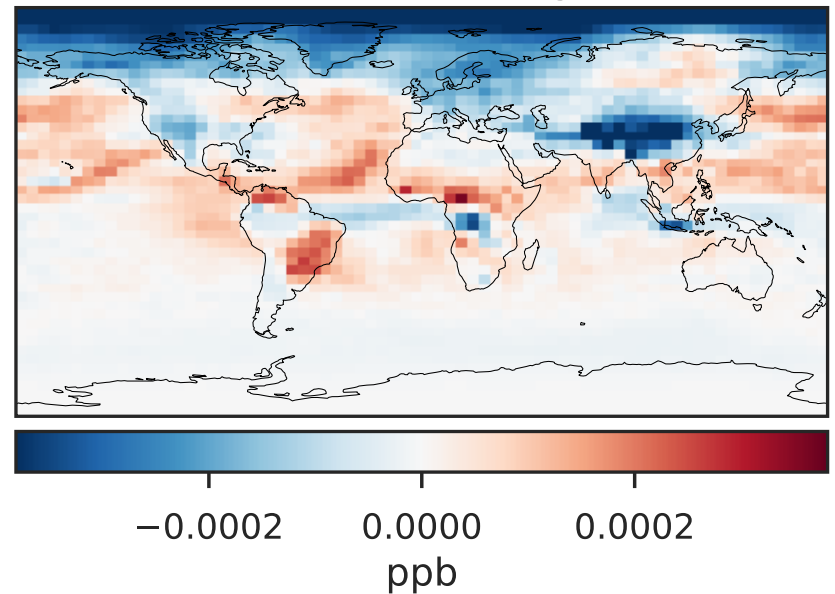
14.3.0-rc.0 (Dev)
4.0x5.0



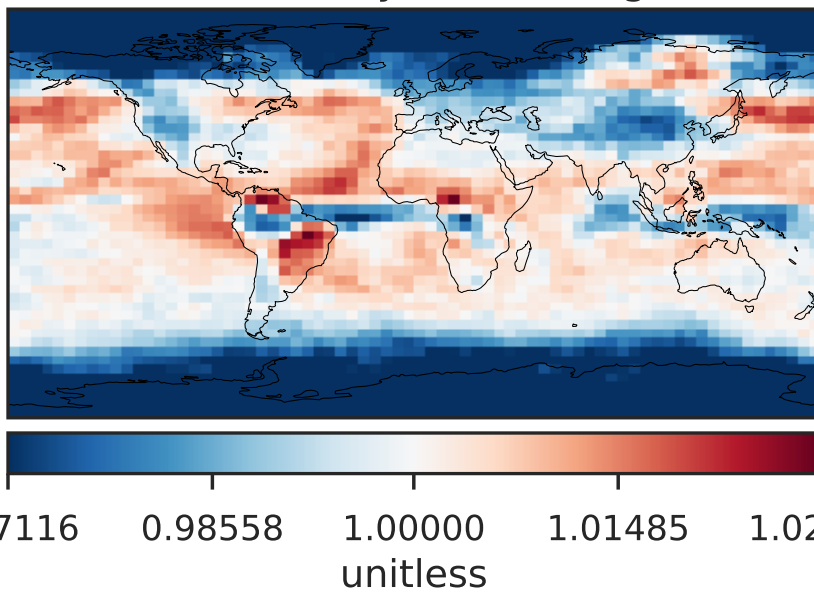
Difference
Dev - Ref, Dynamic Range



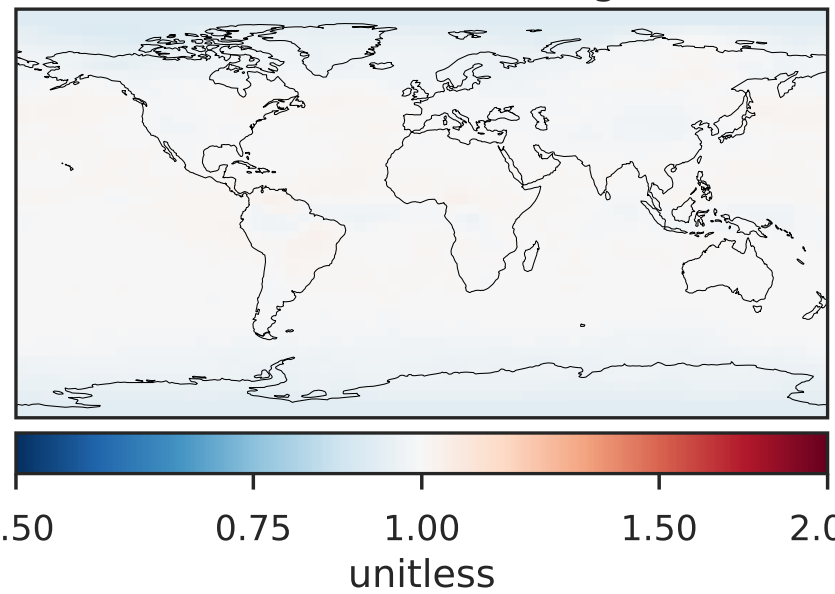
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

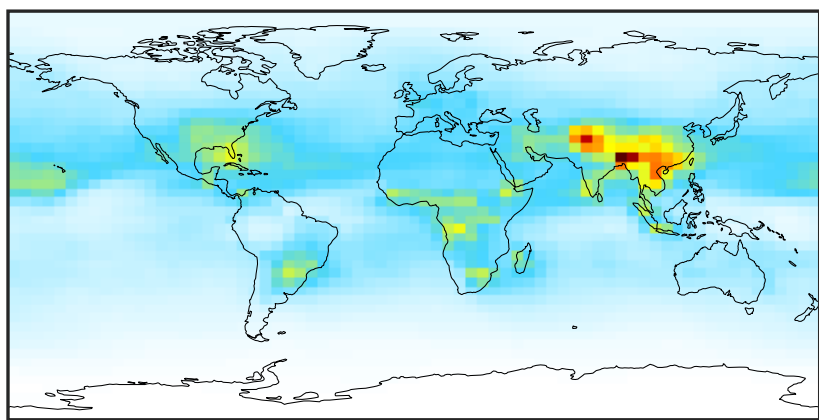


Ratio
Dev/Ref, Fixed Range



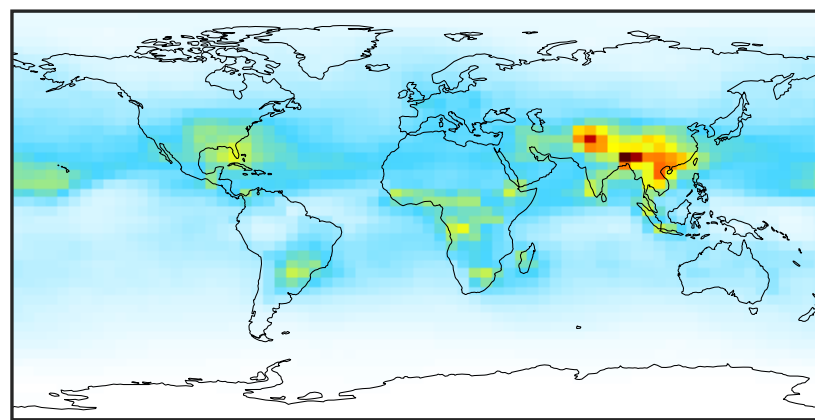
SpeciesConcVW_NO2 (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



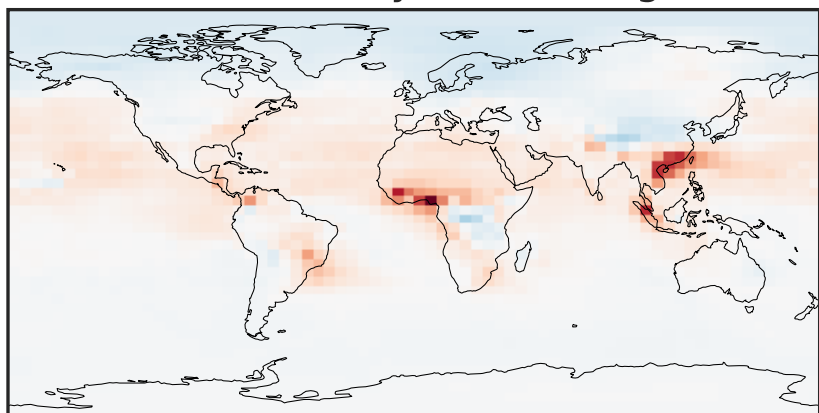
0.0002 0.0407 0.0812 0.1217 0.1621
ppb

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



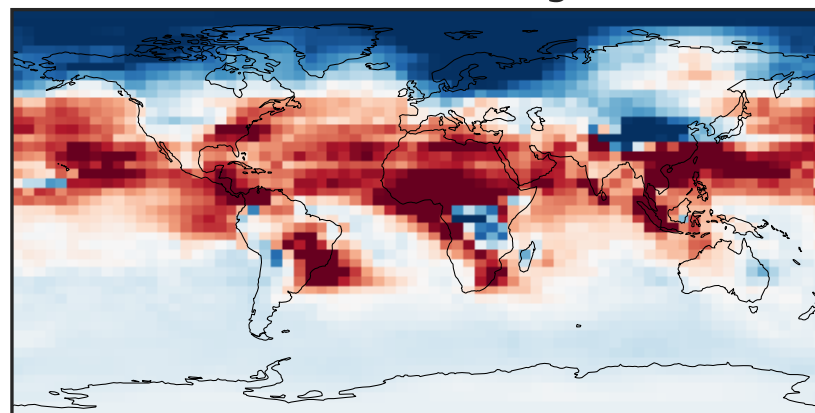
0.0002 0.0407 0.0812 0.1217 0.1621
ppb

Difference
Dev - Ref, Dynamic Range



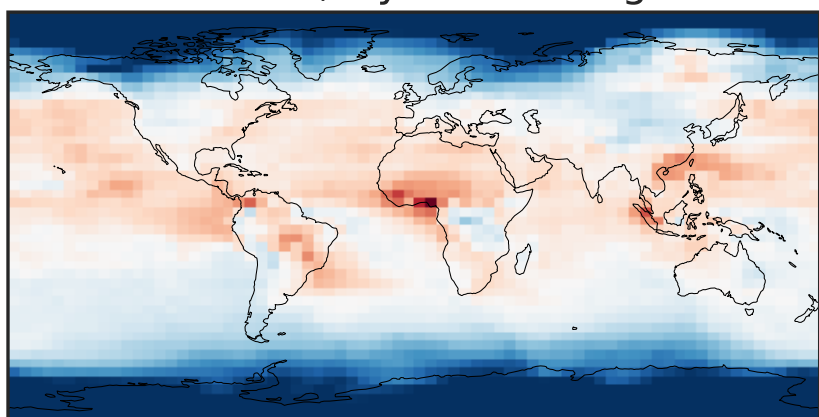
-0.0015 0.0000 0.0015
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



-0.00025 0.00000 0.00025
ppb

Ratio
Dev/Ref, Dynamic Range



0.95332 0.97666 1.00000 1.02448 1.04897
unitless

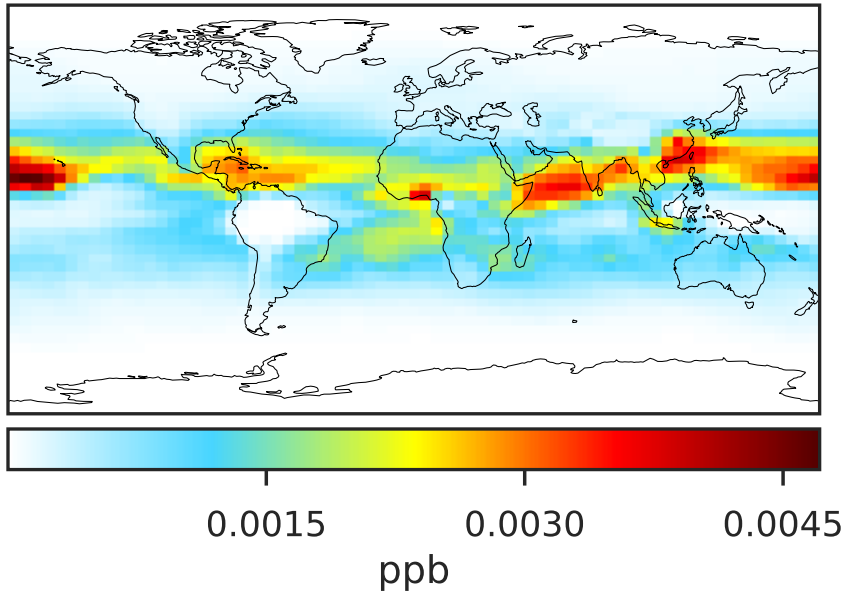
Ratio
Dev/Ref, Fixed Range



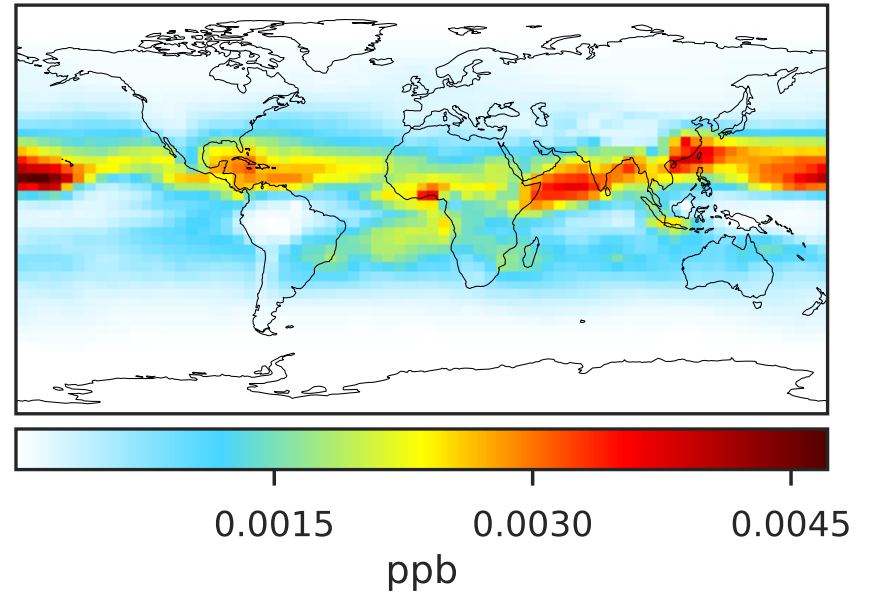
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVW_NO3 (Apr2019)

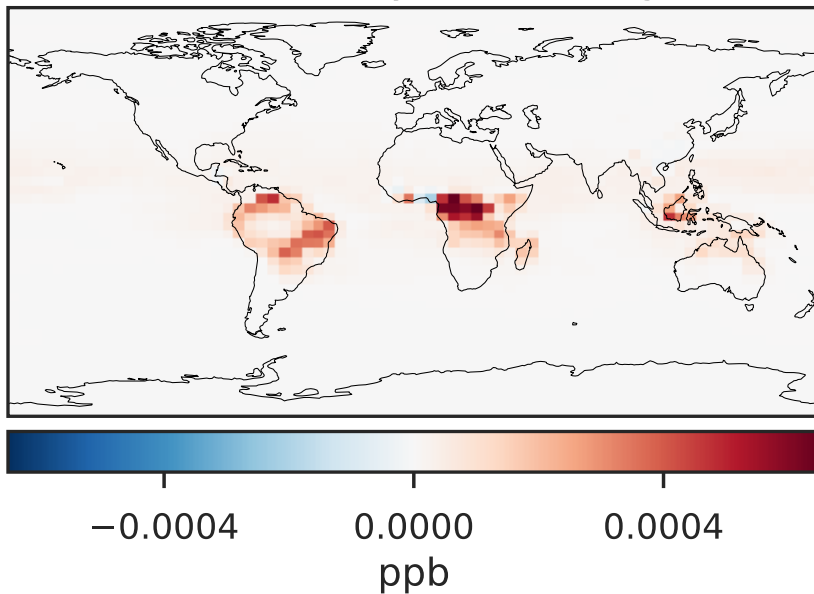
14.2.0-rc.2 (Ref)
4.0x5.0



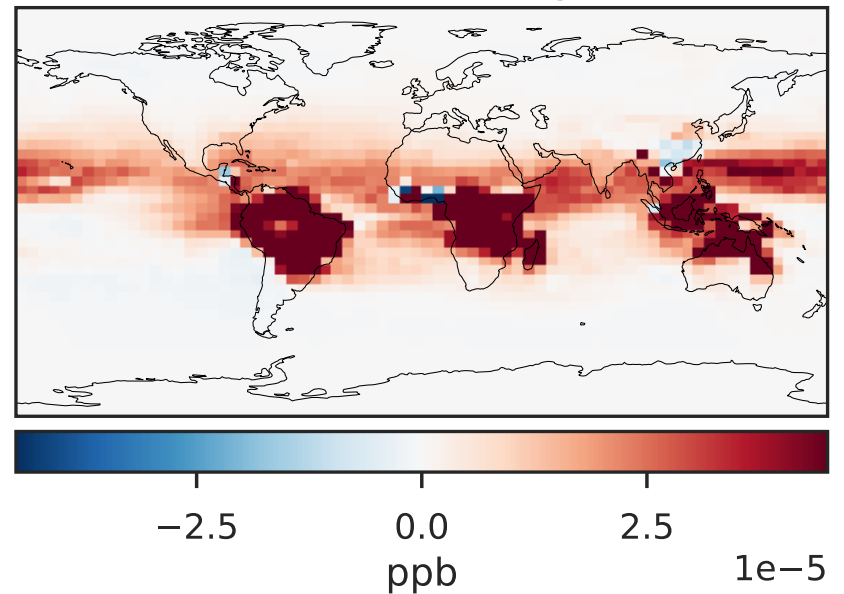
14.3.0-rc.0 (Dev)
4.0x5.0



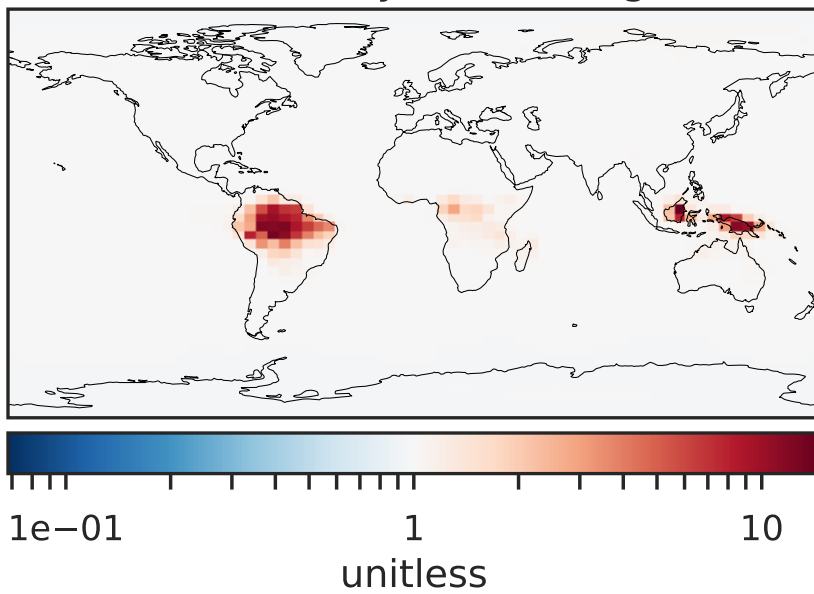
Difference
Dev - Ref, Dynamic Range



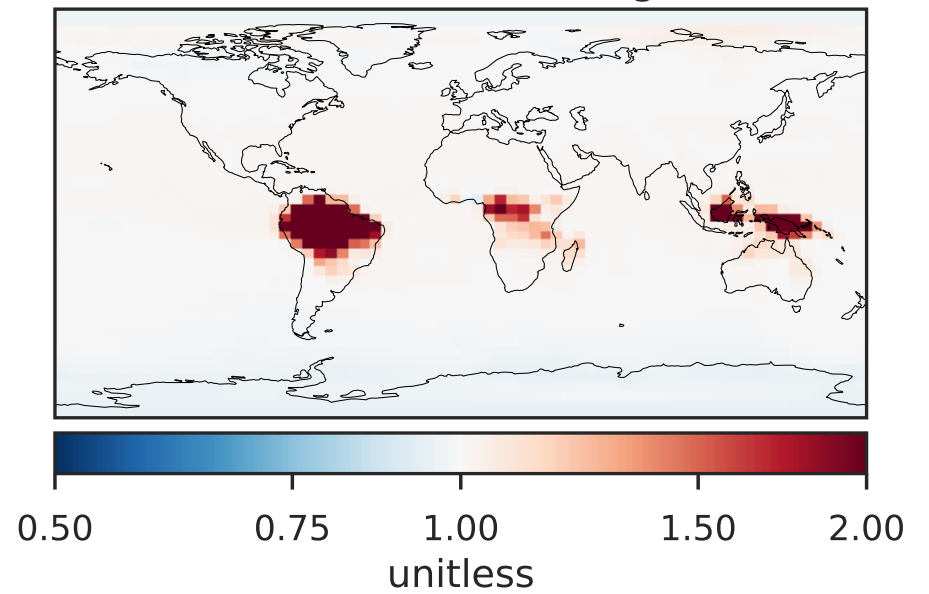
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

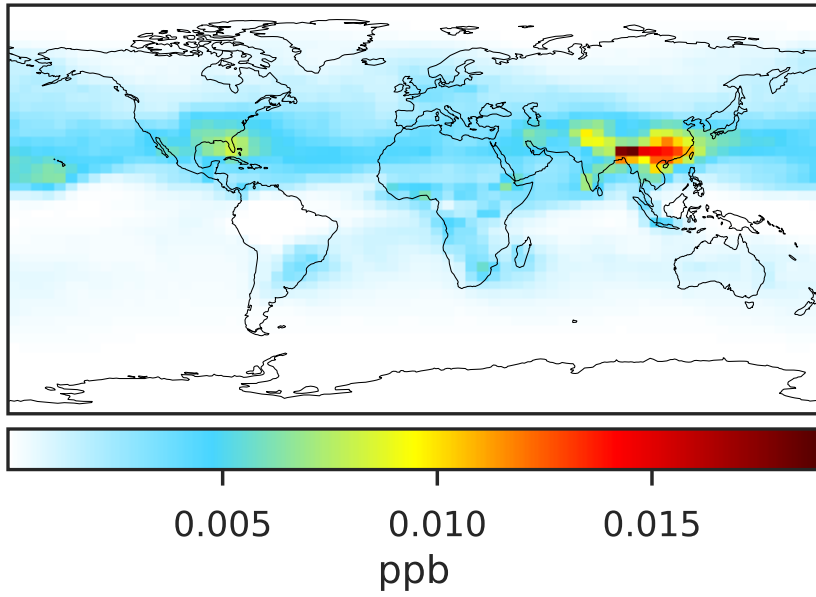


Ratio
Dev/Ref, Fixed Range

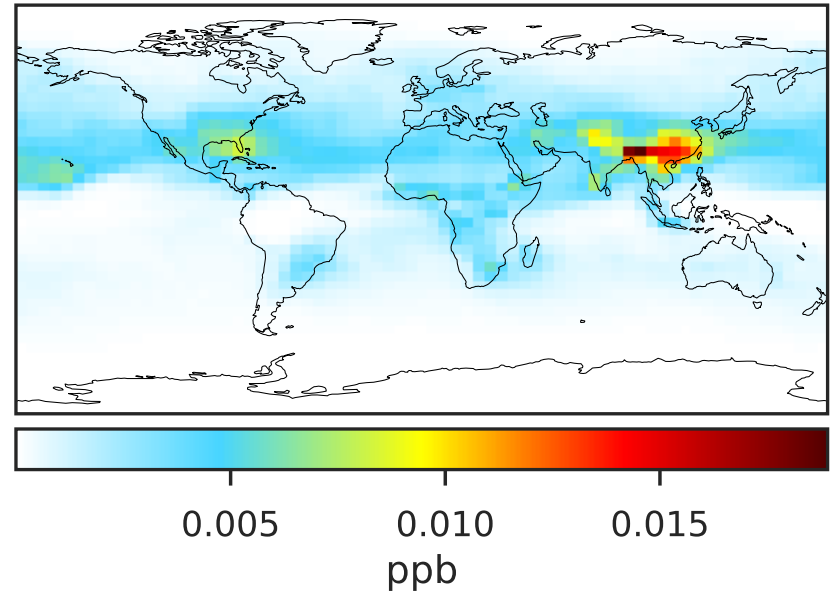


SpeciesConcVV_N2O5 (Apr2019)

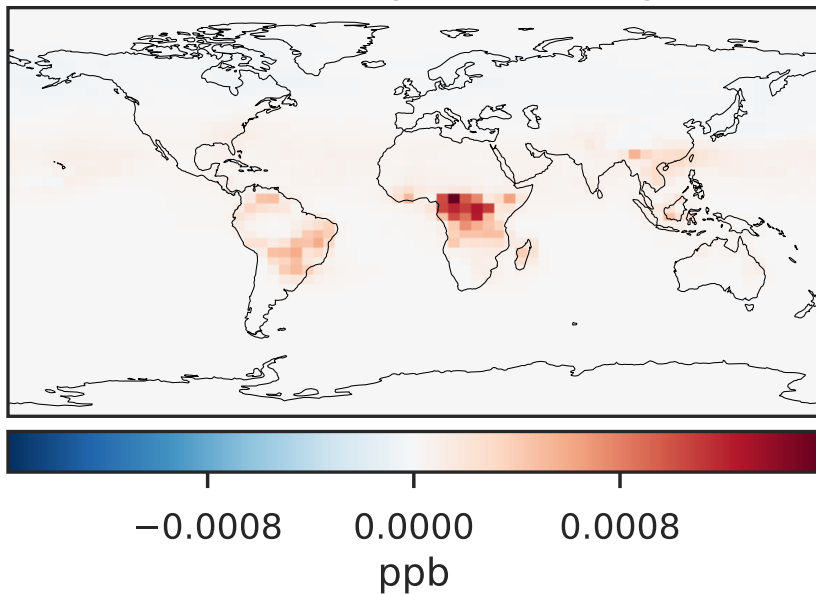
14.2.0-rc.2 (Ref)
4.0x5.0



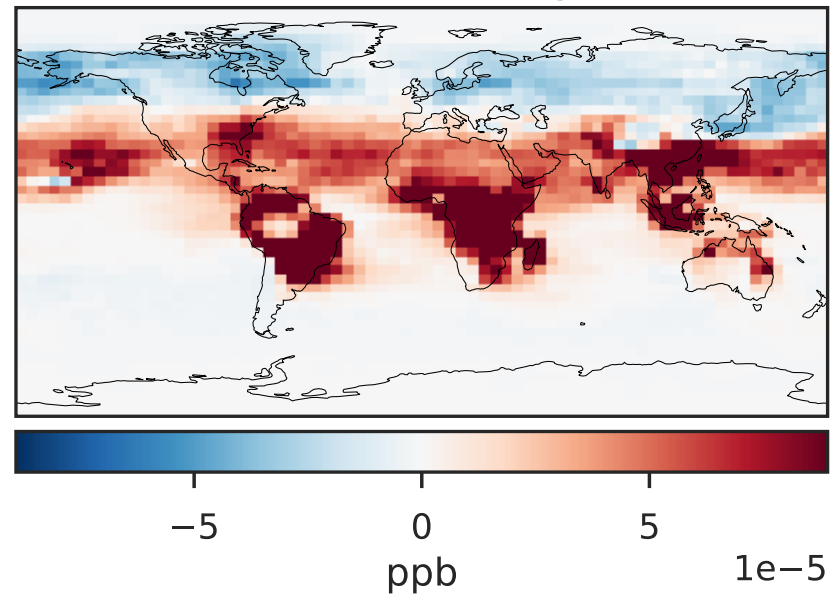
14.3.0-rc.0 (Dev)
4.0x5.0



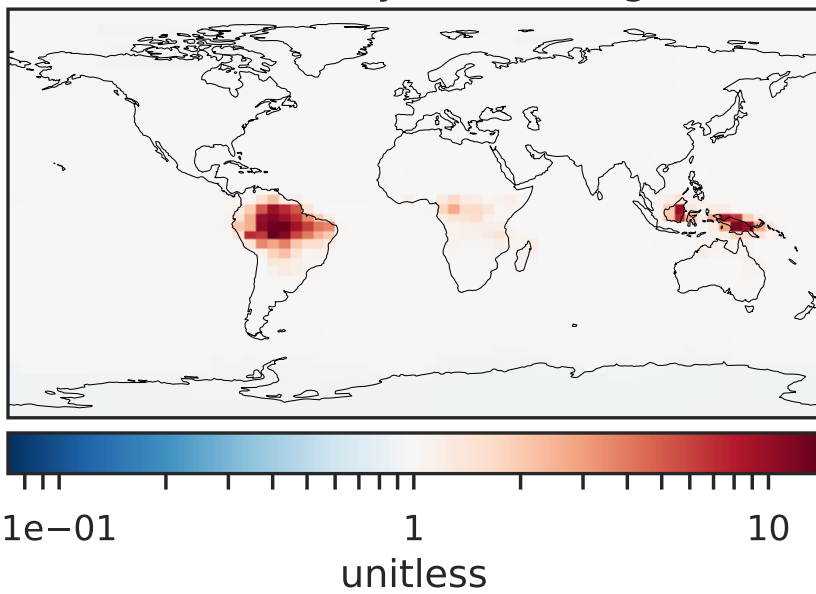
Difference
Dev - Ref, Dynamic Range



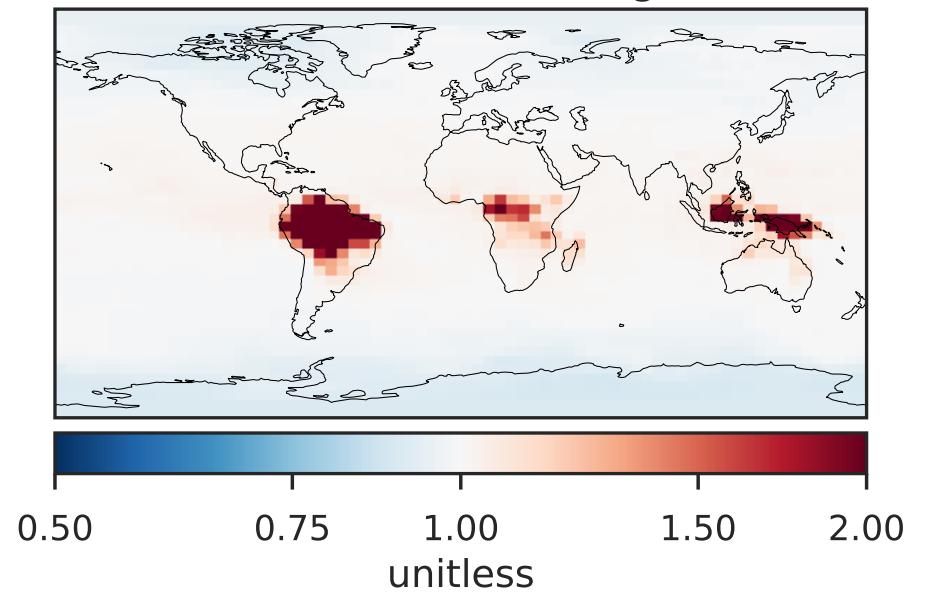
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

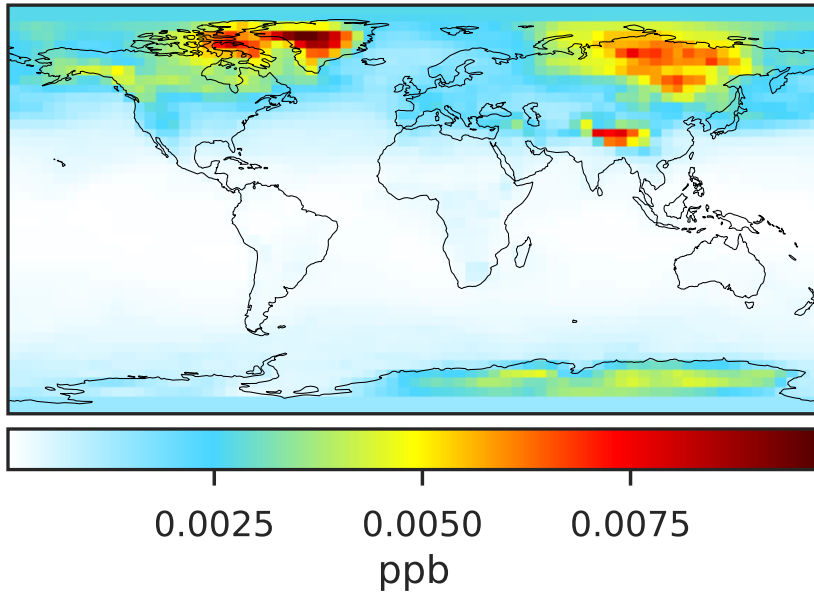


Ratio
Dev/Ref, Fixed Range

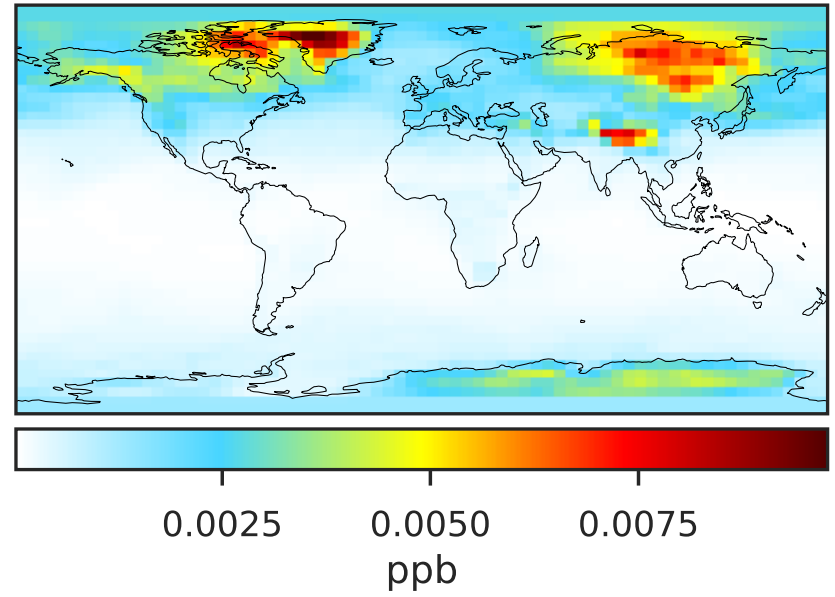


SpeciesConcVW_MPN (Apr2019)

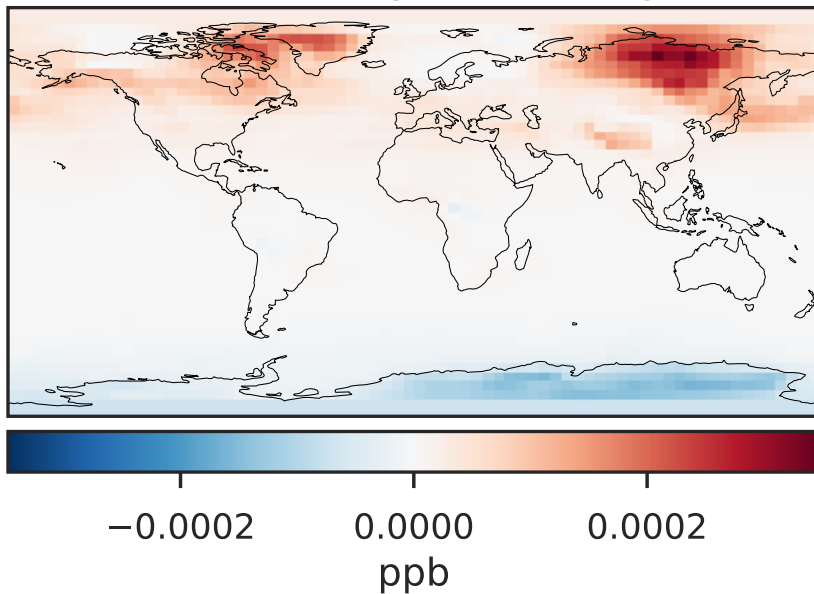
14.2.0-rc.2 (Ref)
4.0x5.0



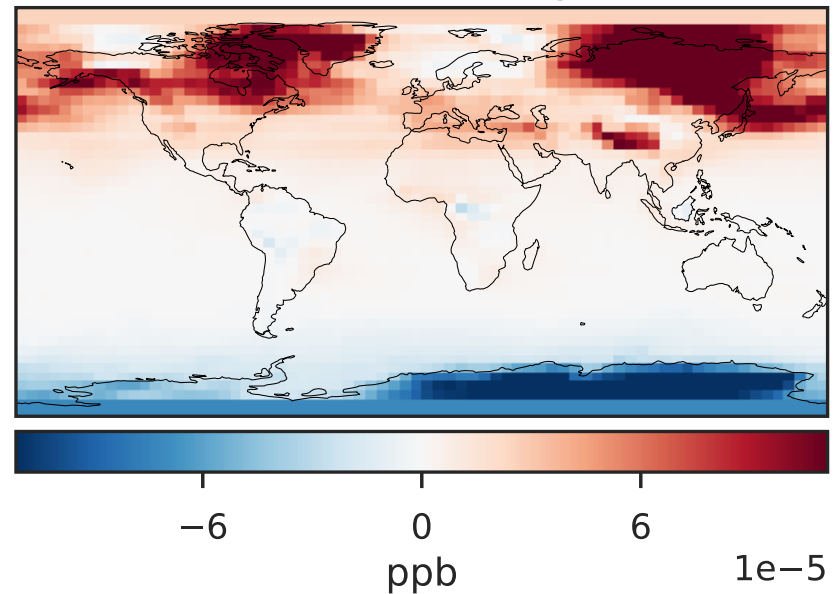
14.3.0-rc.0 (Dev)
4.0x5.0



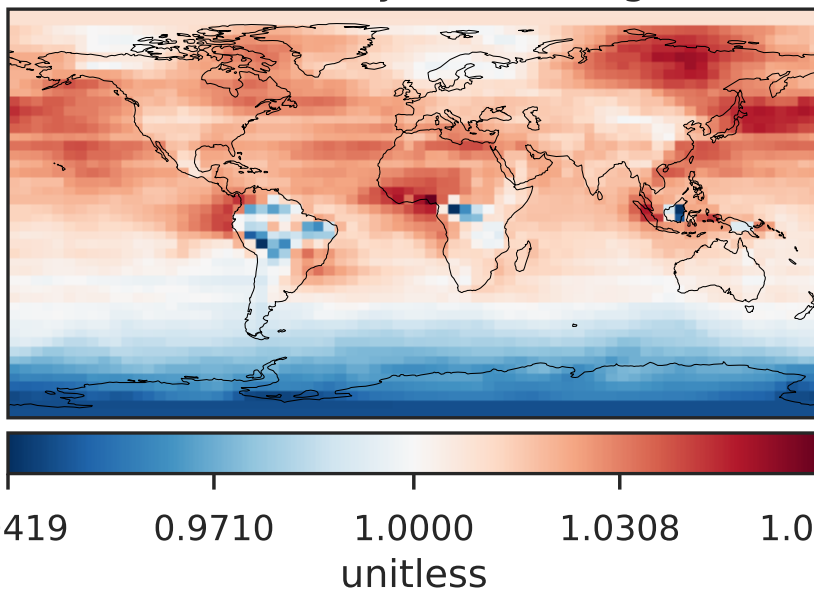
Difference
Dev - Ref, Dynamic Range



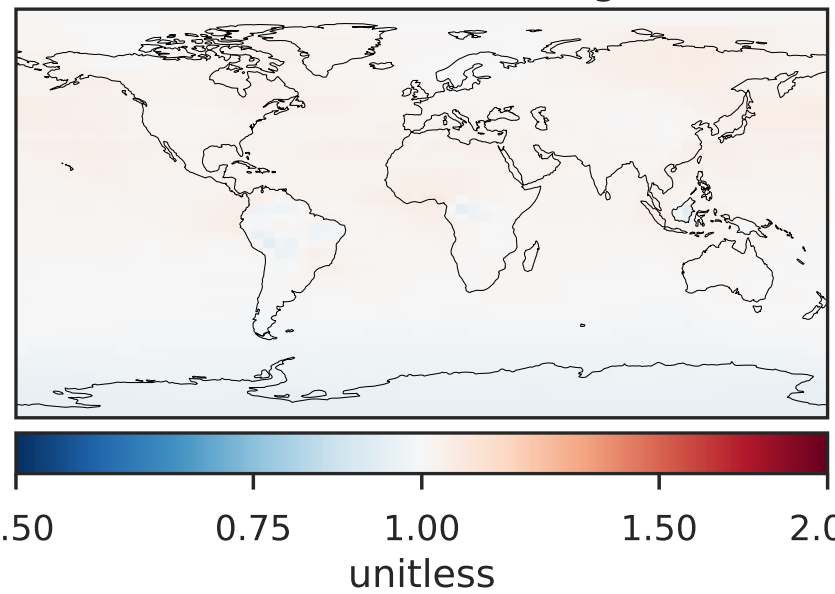
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

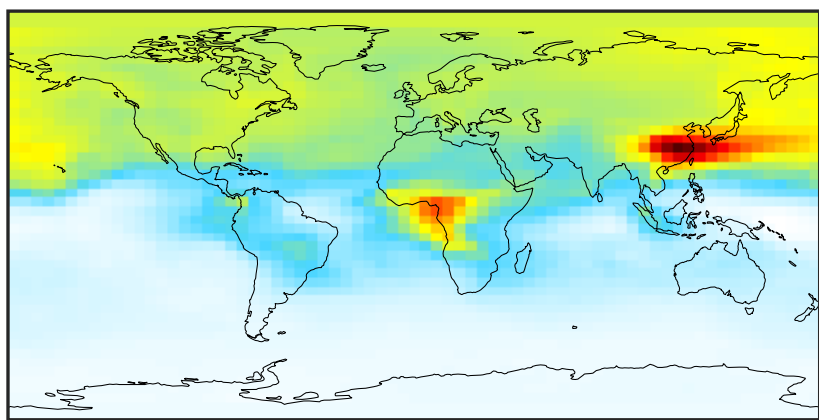


Ratio
Dev/Ref, Fixed Range



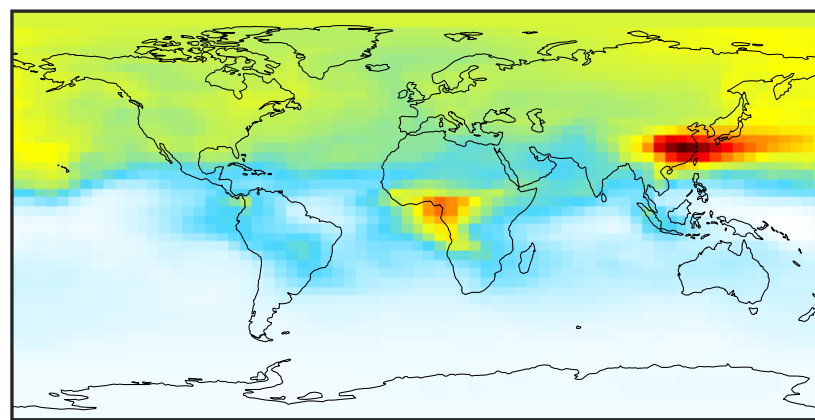
SpeciesConcVV_PAN (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



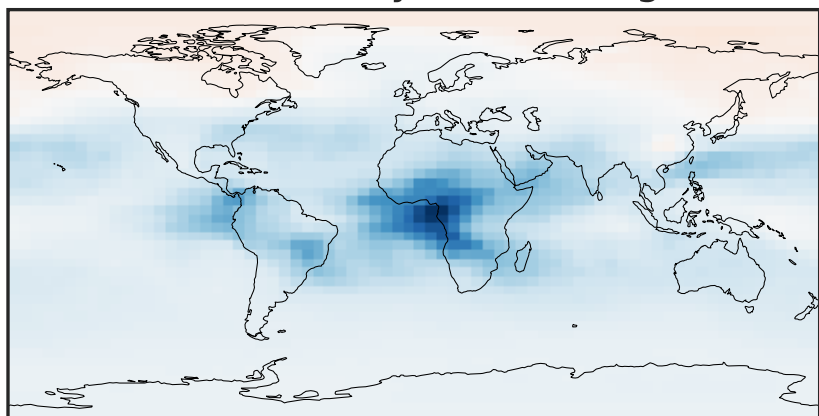
0.0056 0.1446 0.2837 0.4228 0.5619
ppb

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



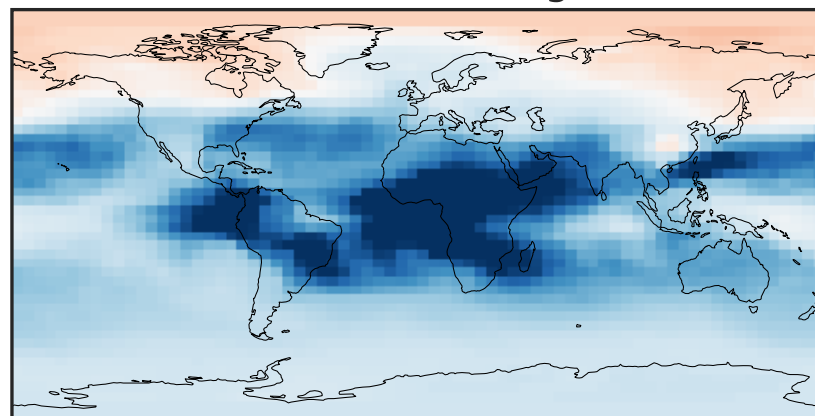
0.0056 0.1446 0.2837 0.4228 0.5619
ppb

Difference
Dev - Ref, Dynamic Range



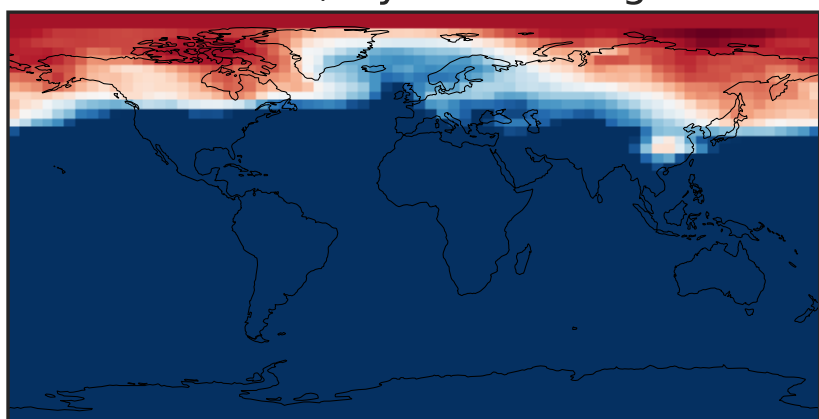
-0.01 0.00 0.01
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



-0.004 0.000 0.004
ppb

Ratio
Dev/Ref, Dynamic Range



0.99295 0.99647 1.00000 1.00355 1.00710
unitless

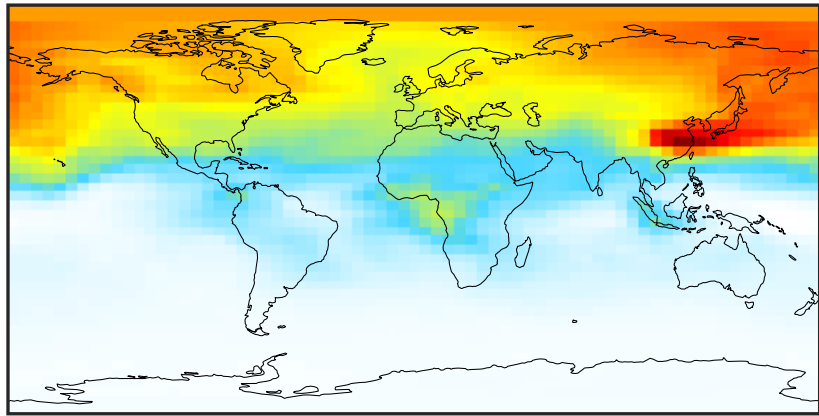
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

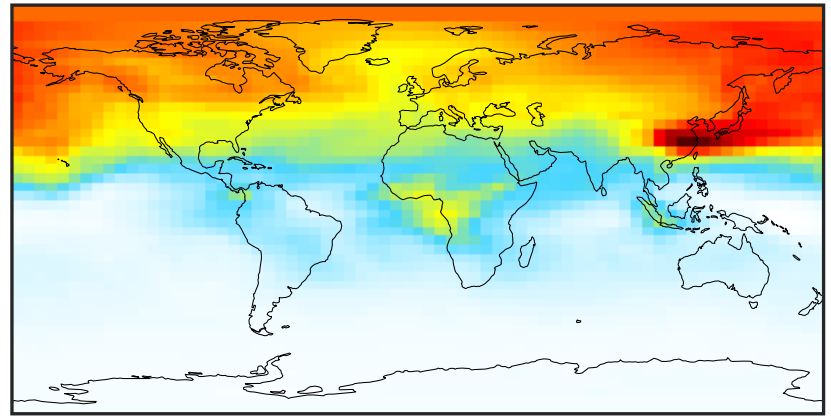
SpeciesConcVV_PPN (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



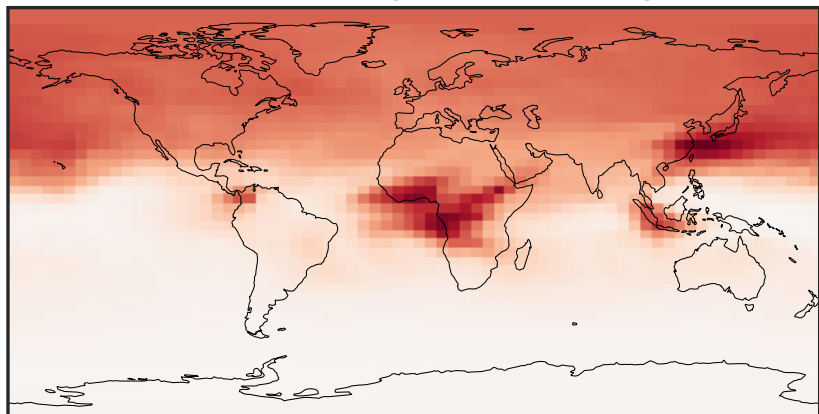
0.0005 0.0258 0.0510 0.0762 0.1014
ppb

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



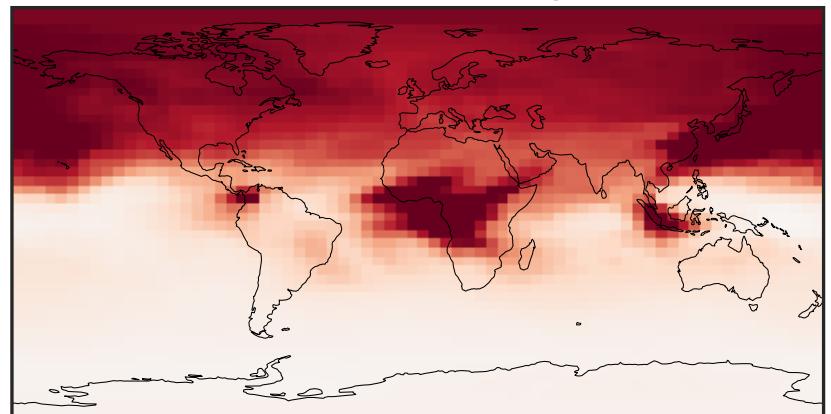
0.0005 0.0258 0.0510 0.0762 0.1014
ppb

Difference
Dev - Ref, Dynamic Range



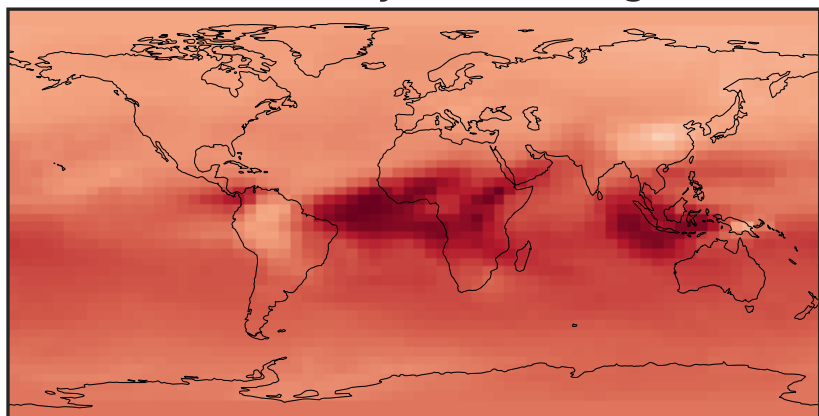
-0.005 0.000 0.005
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



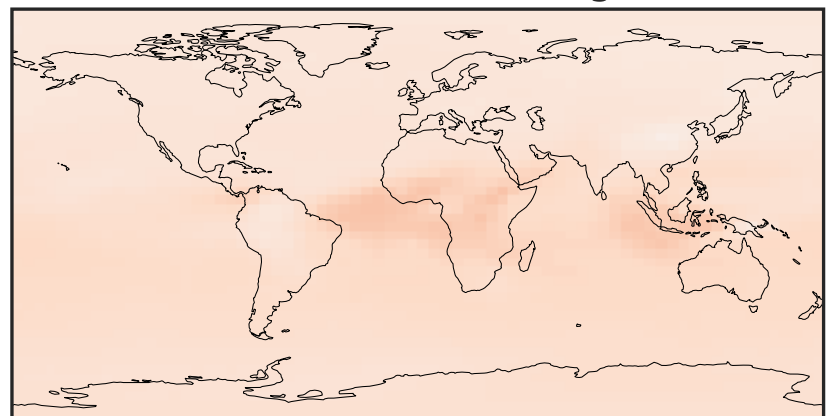
-0.003 0.000 0.003
ppb

Ratio
Dev/Ref, Dynamic Range



0.8195 0.9097 1.0000 1.1101 1.2203
unitless

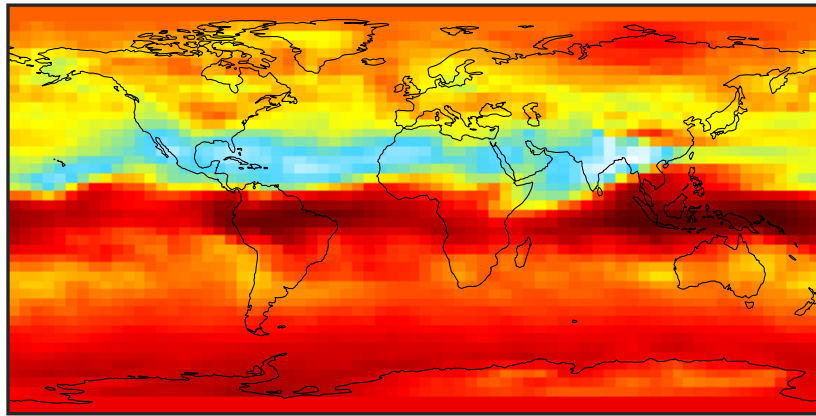
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

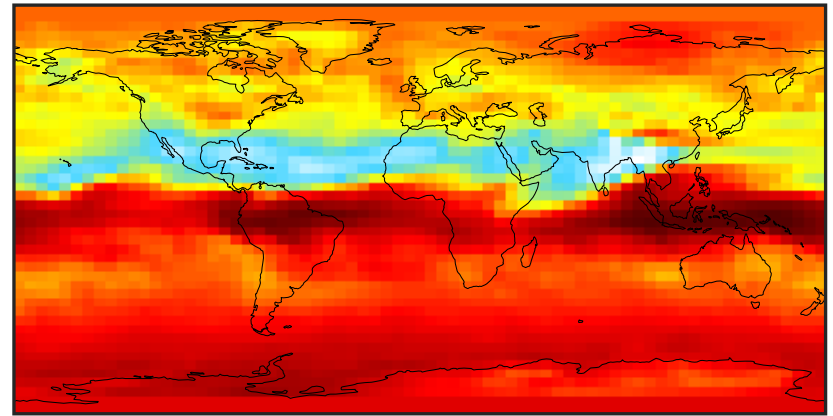
SpeciesConcVW_N2O (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



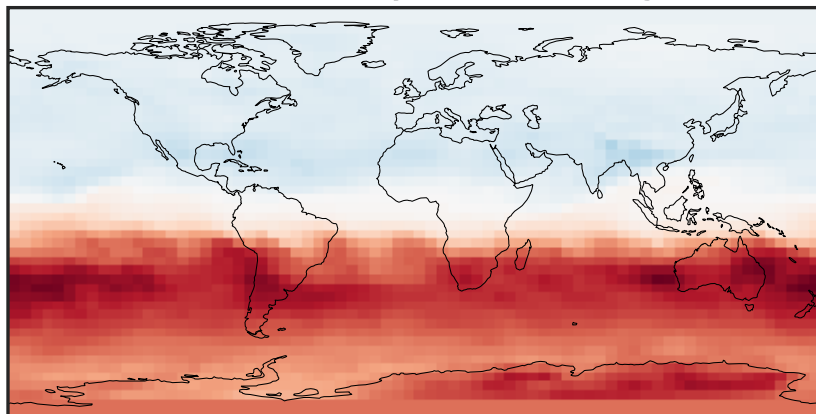
329.019 329.283 329.548 329.813 330.078
ppb

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



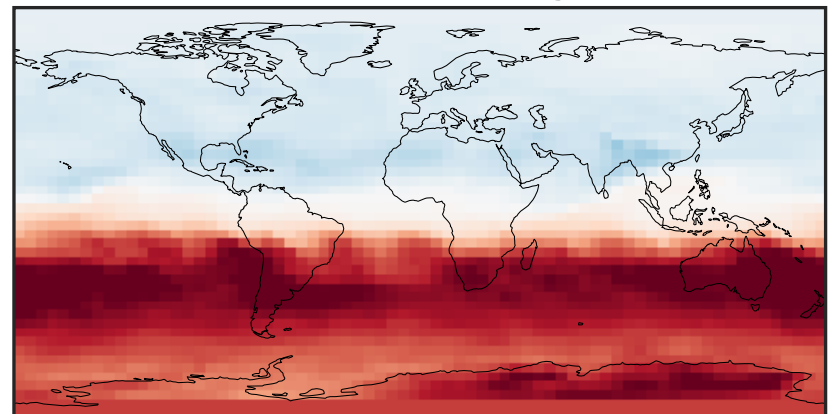
329.019 329.283 329.548 329.813 330.078
ppb

Difference
Dev - Ref, Dynamic Range



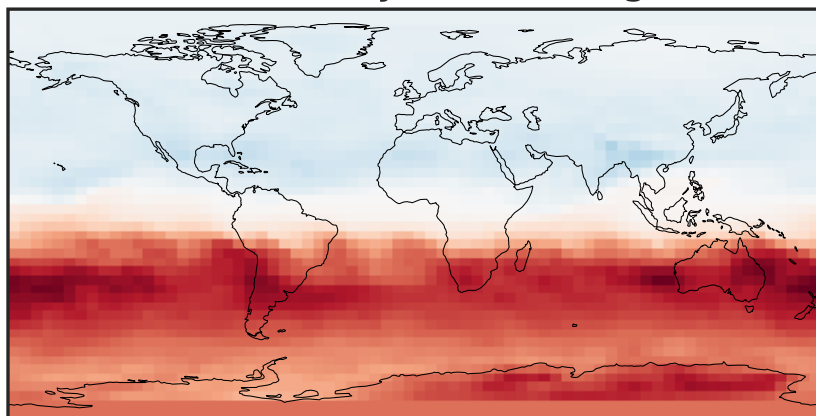
-0.025 0.000 0.025
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



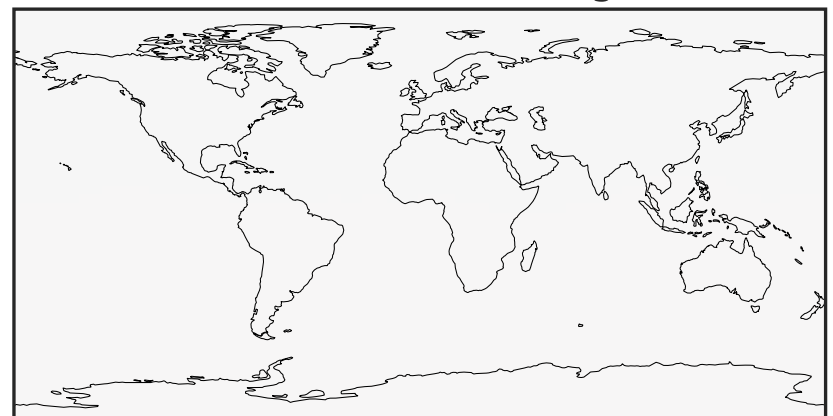
-0.02 0.00 0.02
ppb

Ratio
Dev/Ref, Dynamic Range



0.9998766 1.000000 1.0001234
unitless

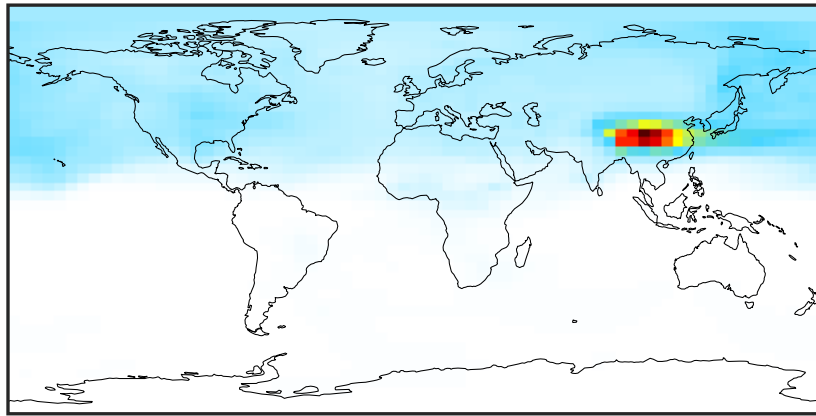
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

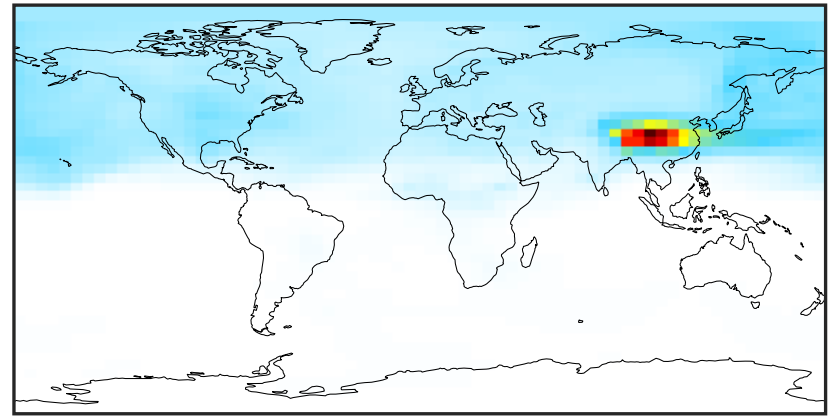
SpeciesConcVV_NHx (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



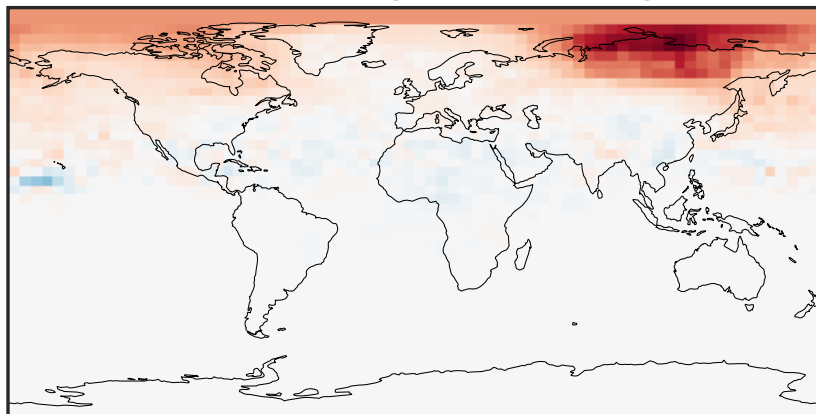
0.000 0.509 1.018 1.527 2.035
ppb

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



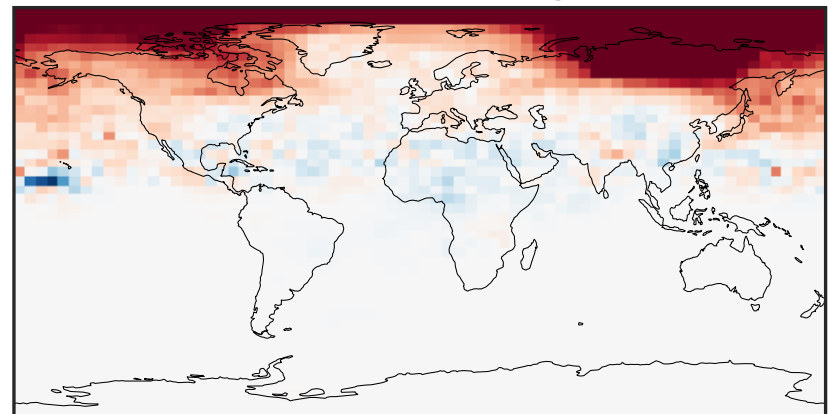
0.000 0.509 1.018 1.527 2.035
ppb

Difference
Dev - Ref, Dynamic Range



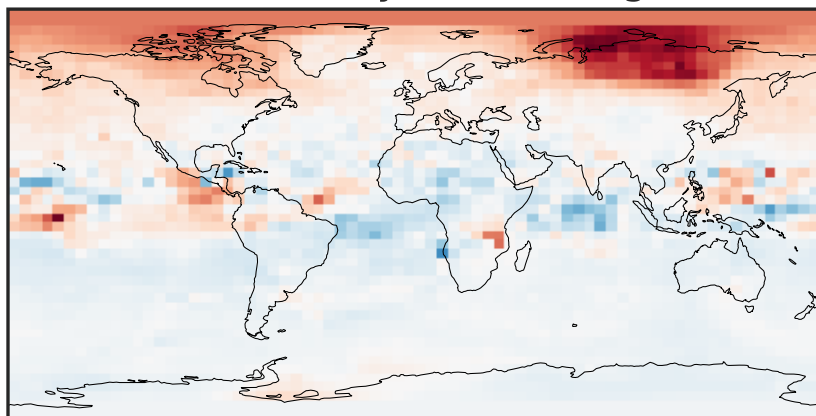
-0.002 0.000 0.002
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



-0.001 0.000 0.001
ppb

Ratio
Dev/Ref, Dynamic Range



0.98699 0.99350 1.00000 1.00659 1.01318
unitless

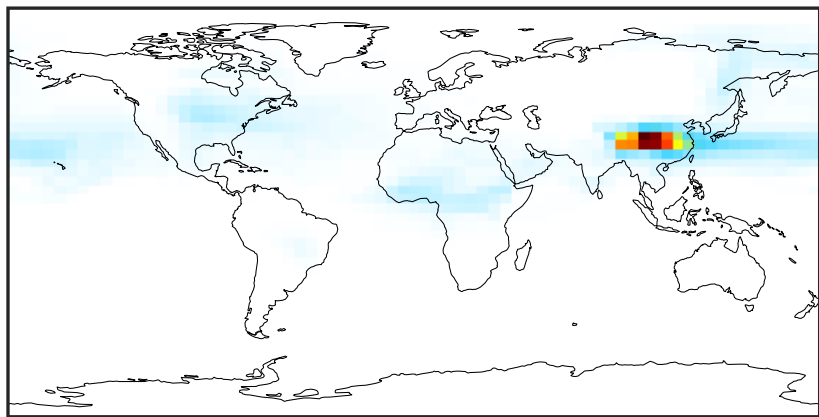
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

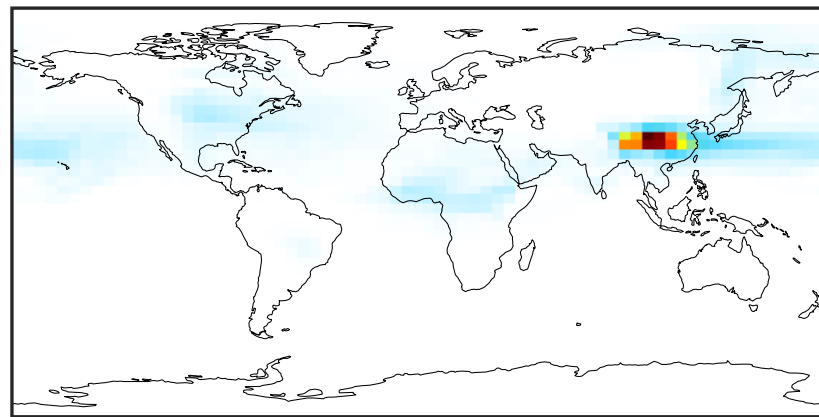
SpeciesConcVV_NH3 (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



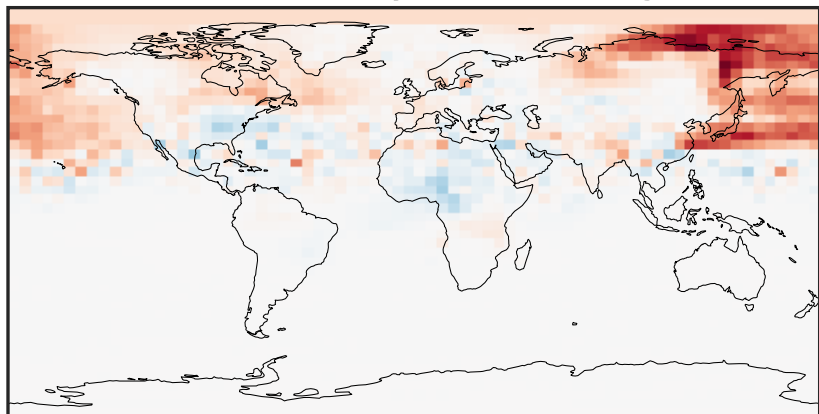
0.000 0.243 0.486 0.729 0.972
ppb

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



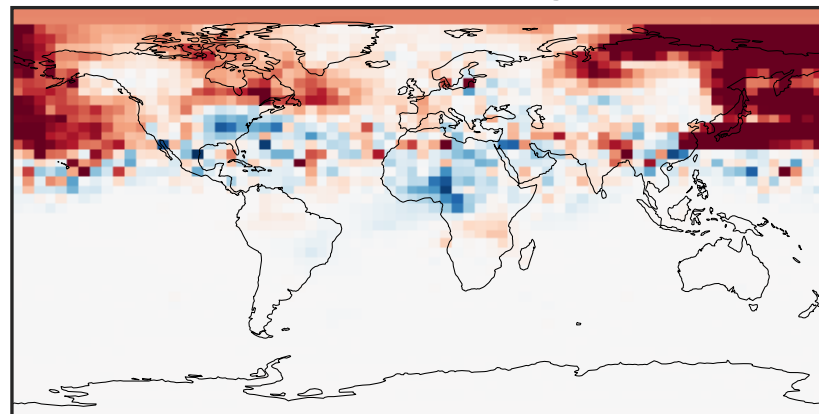
0.000 0.243 0.486 0.729 0.972
ppb

Difference
Dev - Ref, Dynamic Range



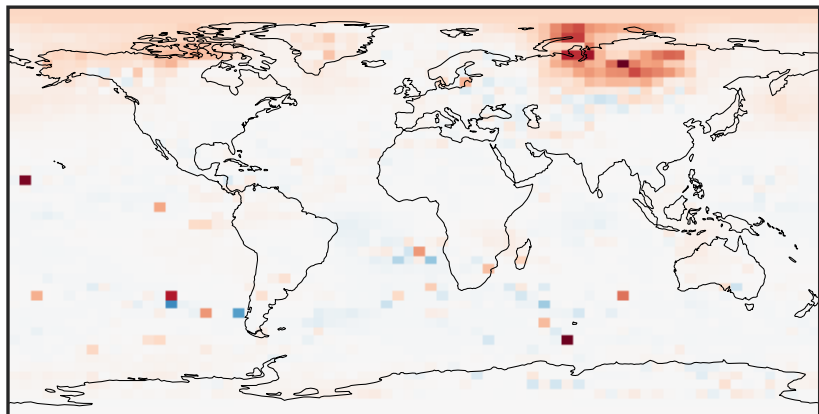
-0.0015 0.0000 0.0015
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



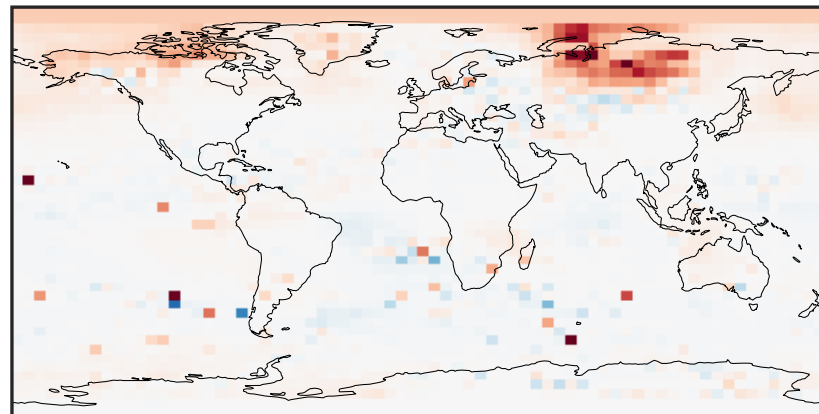
-0.0004 0.0000 0.0004
ppb

Ratio
Dev/Ref, Dynamic Range



0.426 0.713 1.000 1.673 2.345
unitless

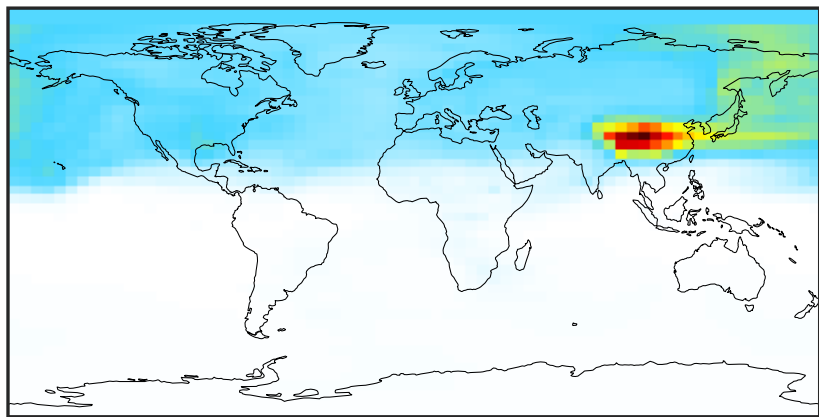
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

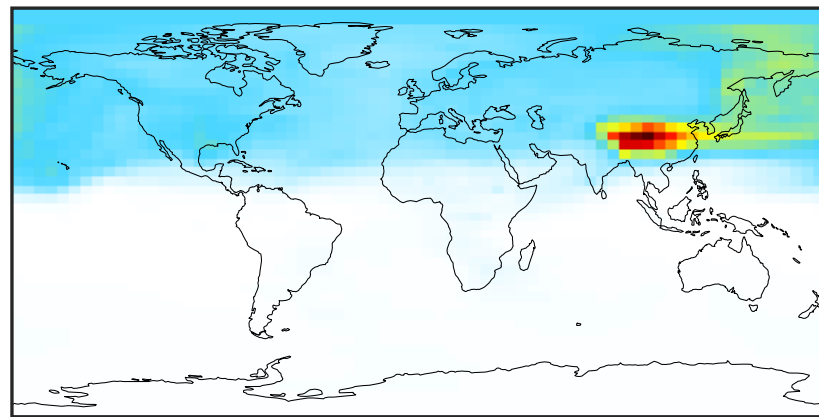
SpeciesConcVV_NH4 (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



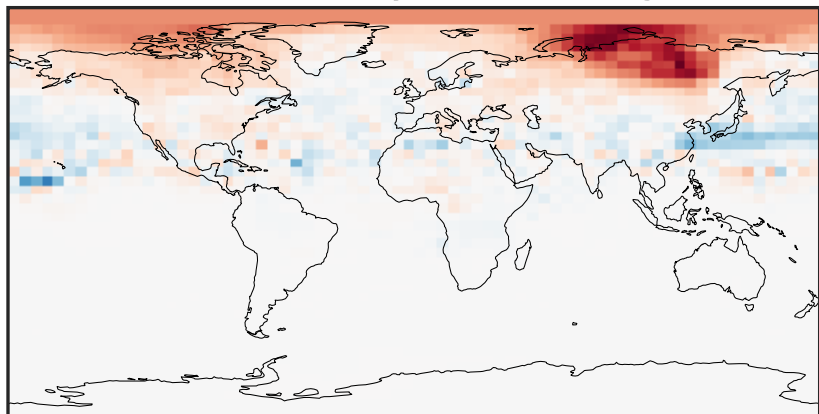
0.000 0.266 0.532 0.798 1.063
ppb

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



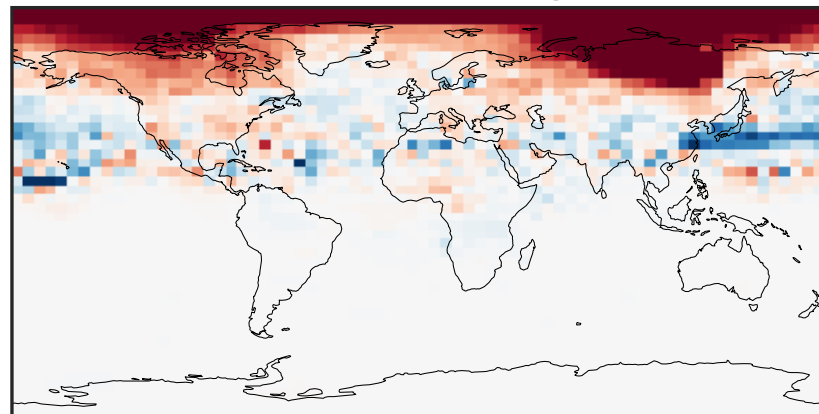
0.000 0.266 0.532 0.798 1.063
ppb

Difference
Dev - Ref, Dynamic Range



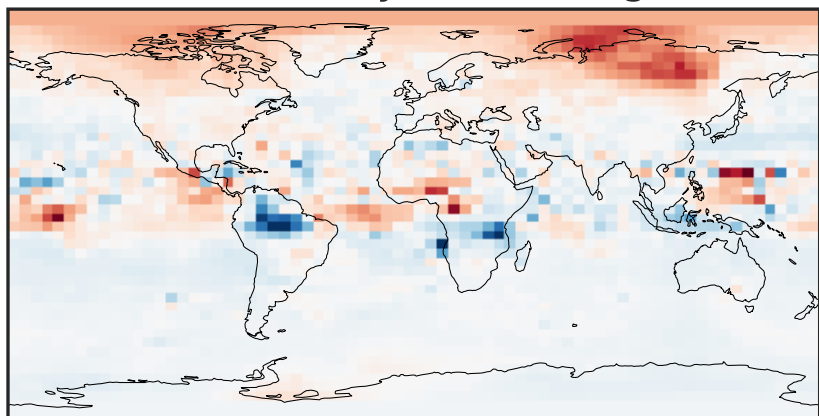
-0.0015 0.0000 0.0015
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



-0.0008 0.0000 0.0008
ppb

Ratio
Dev/Ref, Dynamic Range



0.98494 0.99247 1.00000 1.00765 1.01529
unitless

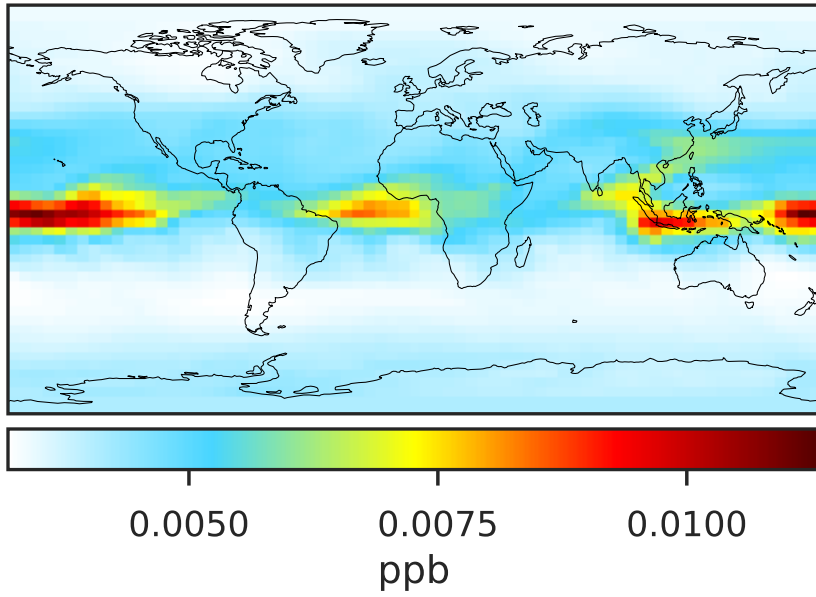
Ratio
Dev/Ref, Fixed Range



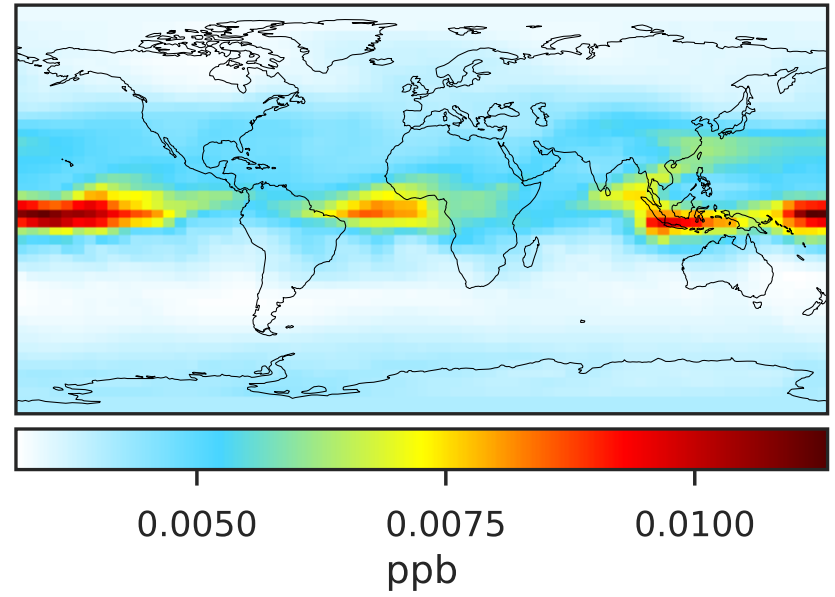
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_MENO3 (Apr2019)

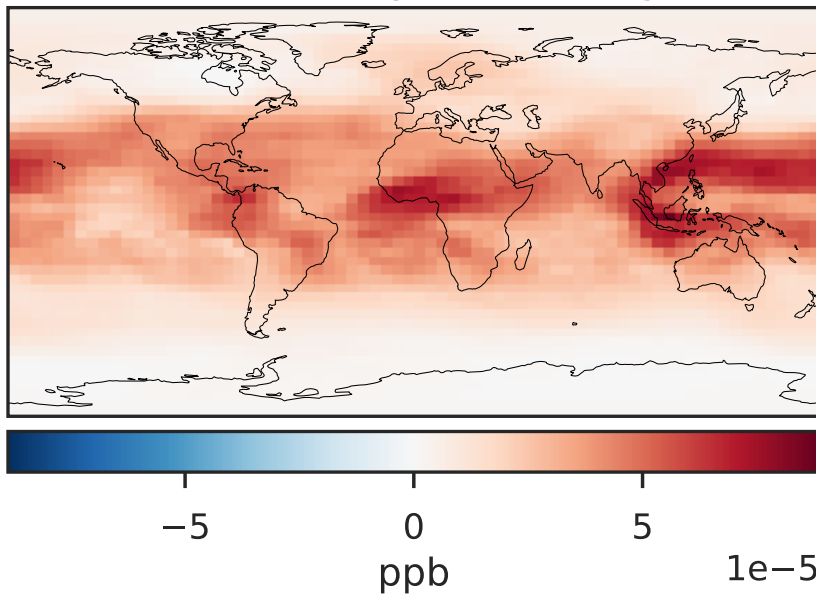
14.2.0-rc.2 (Ref)
4.0x5.0



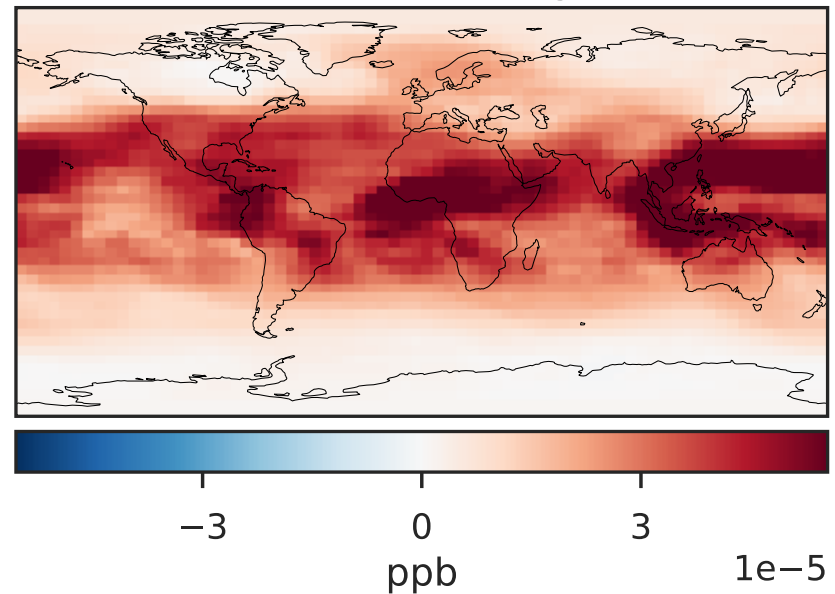
14.3.0-rc.0 (Dev)
4.0x5.0



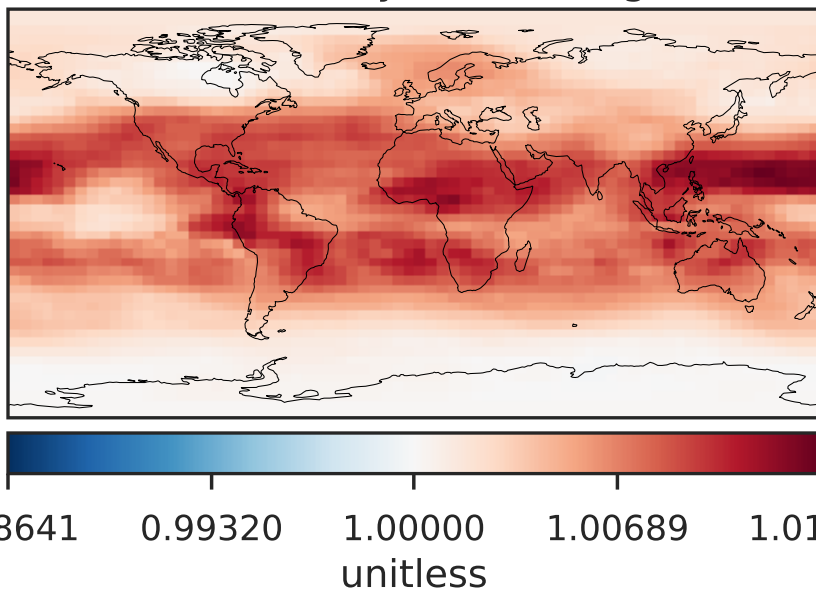
Difference
Dev - Ref, Dynamic Range



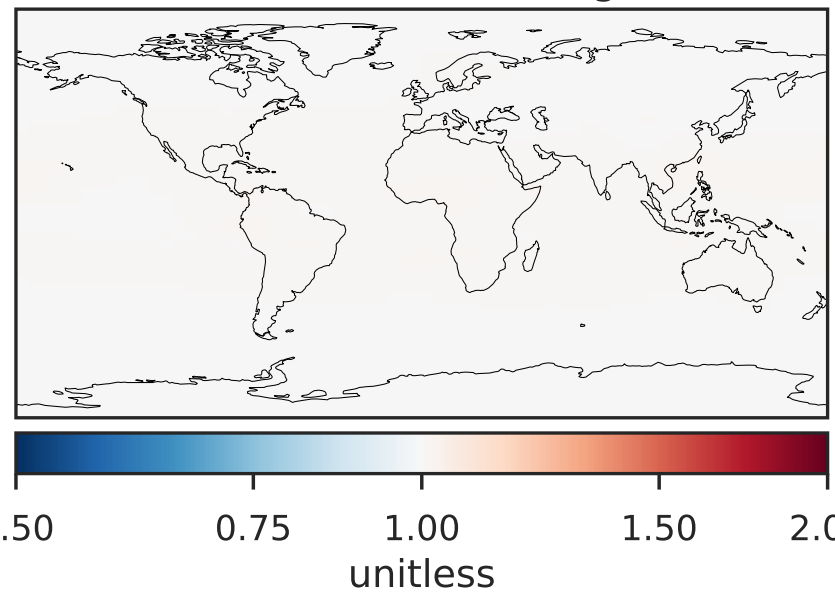
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

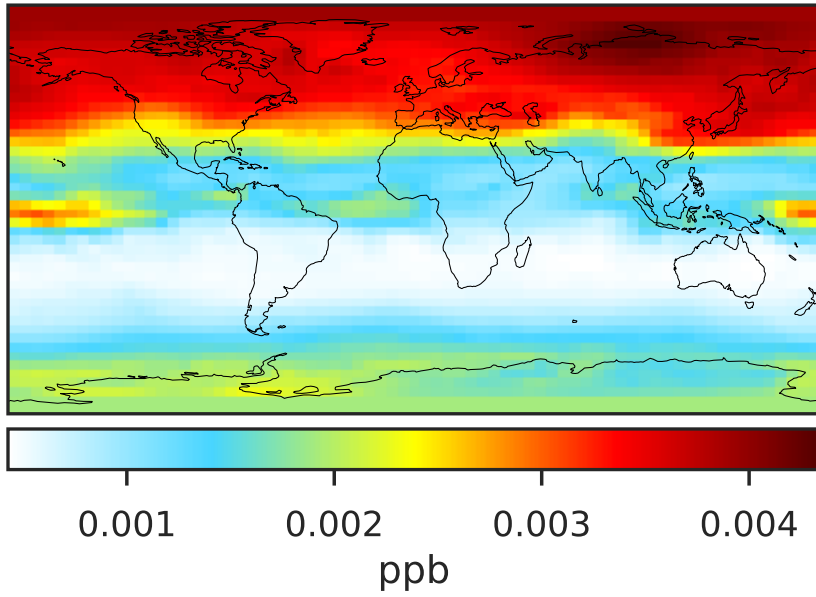


Ratio
Dev/Ref, Fixed Range

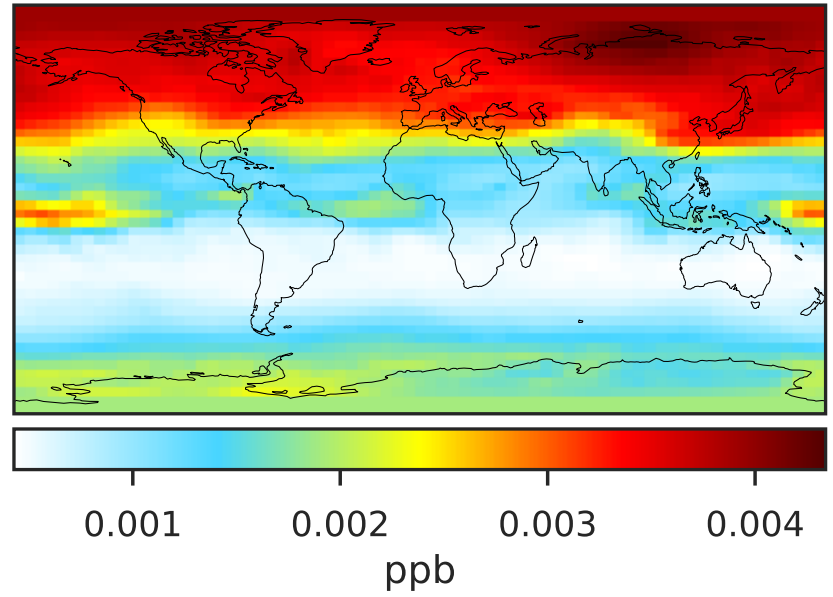


SpeciesConcVV_ETNO3 (Apr2019)

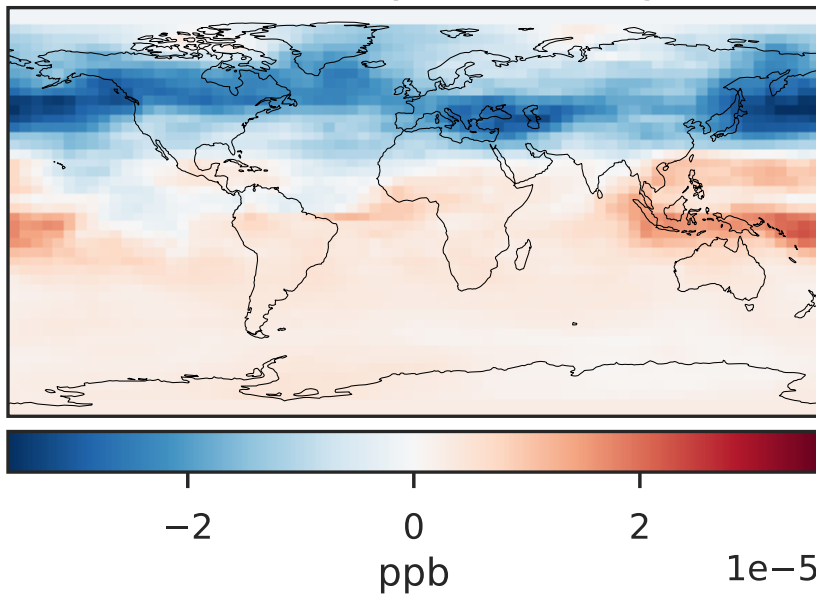
14.2.0-rc.2 (Ref)
4.0x5.0



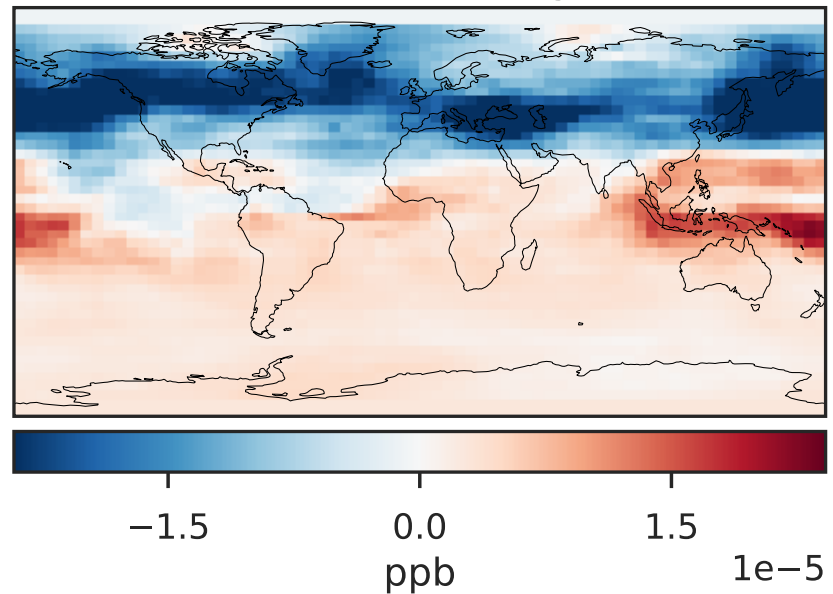
14.3.0-rc.0 (Dev)
4.0x5.0



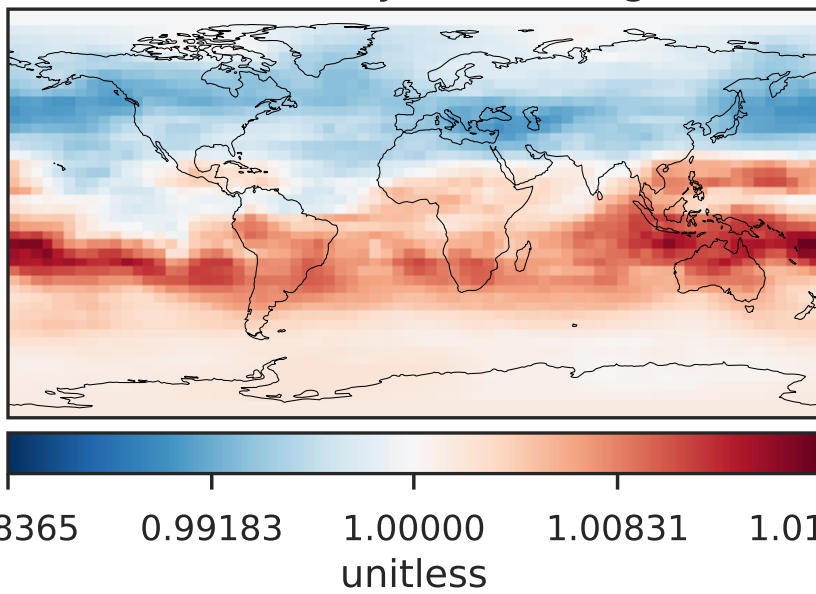
Difference
Dev - Ref, Dynamic Range



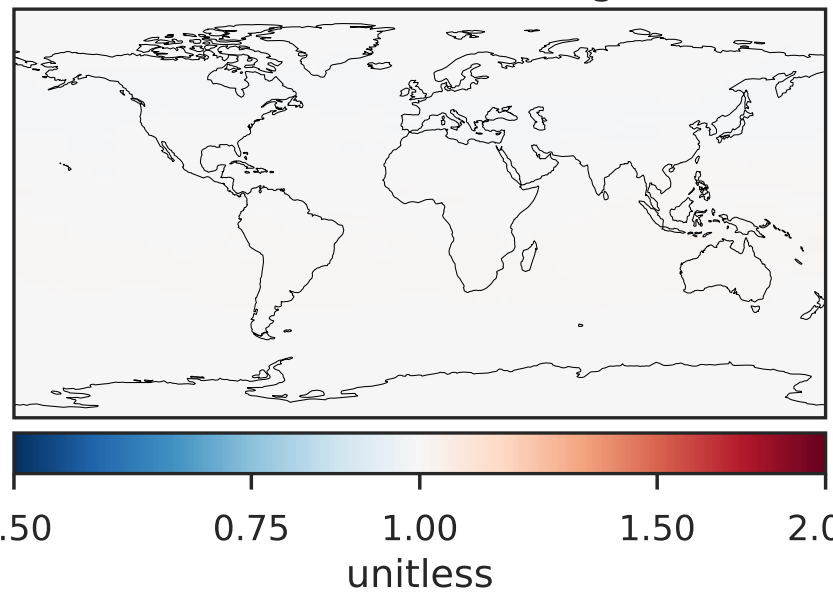
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

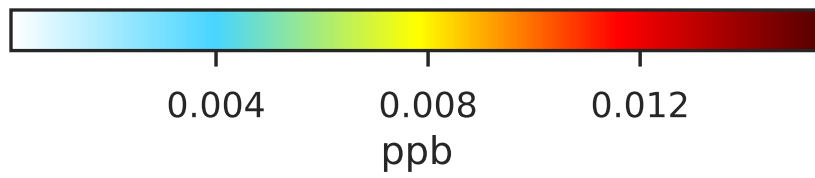
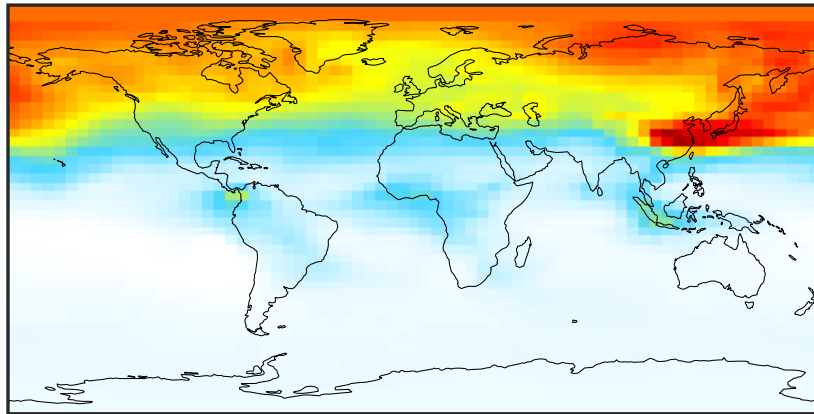


Ratio
Dev/Ref, Fixed Range

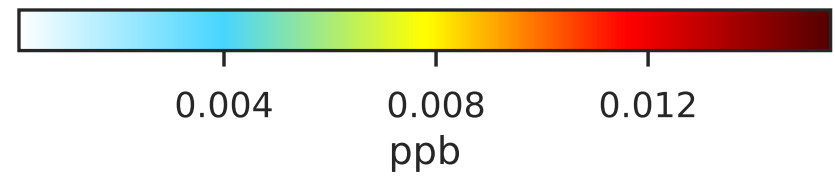
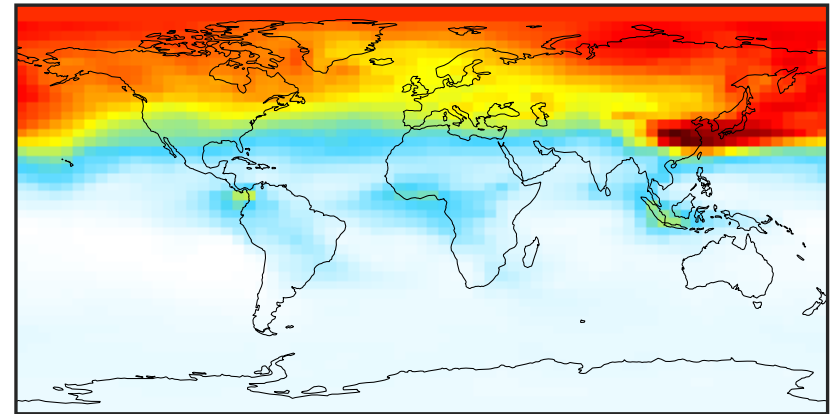


SpeciesConcVV_IPRNO3 (Apr2019)

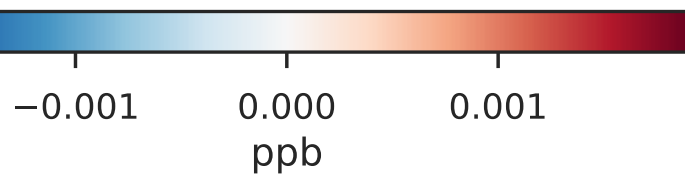
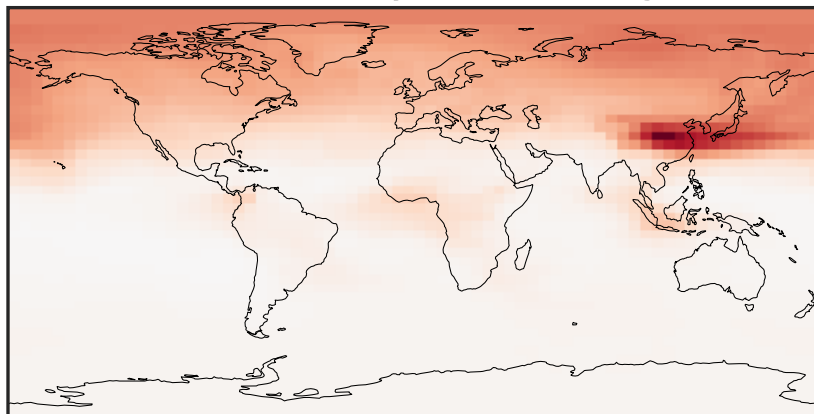
14.2.0-rc.2 (Ref)
4.0x5.0



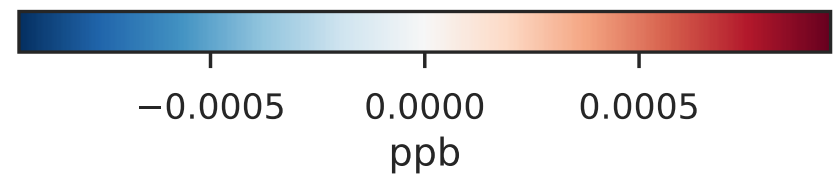
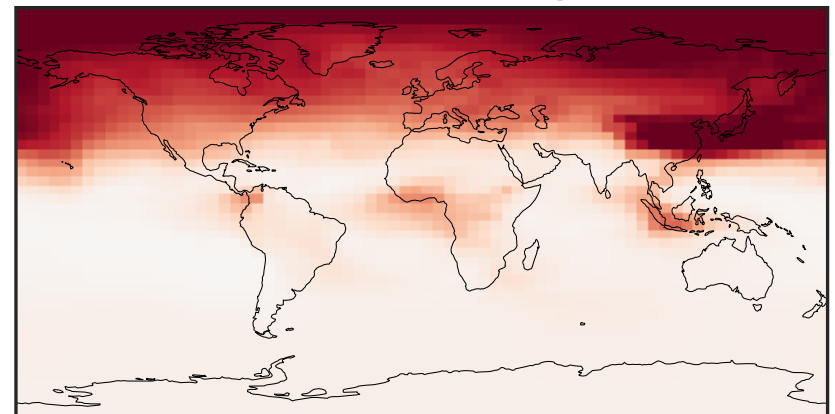
14.3.0-rc.0 (Dev)
4.0x5.0



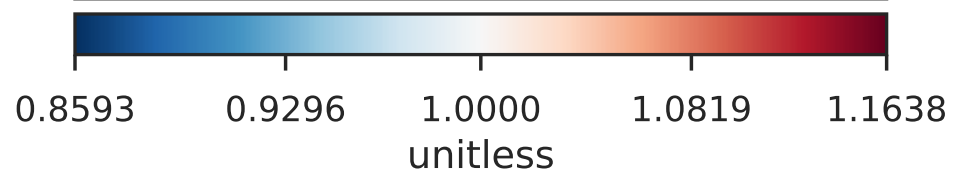
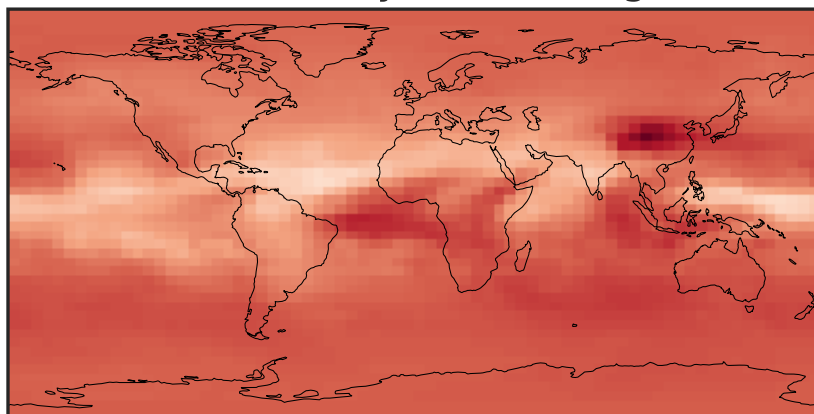
Difference
Dev - Ref, Dynamic Range



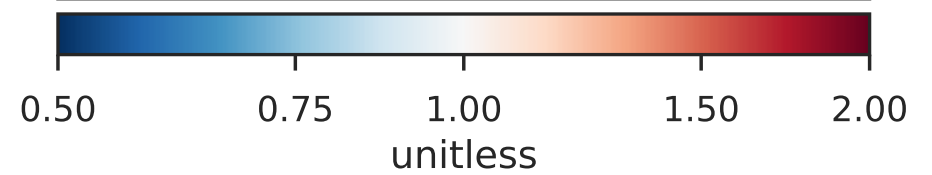
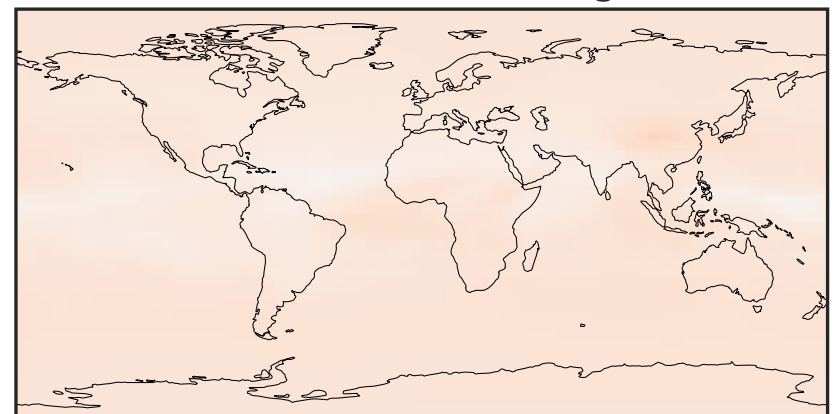
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

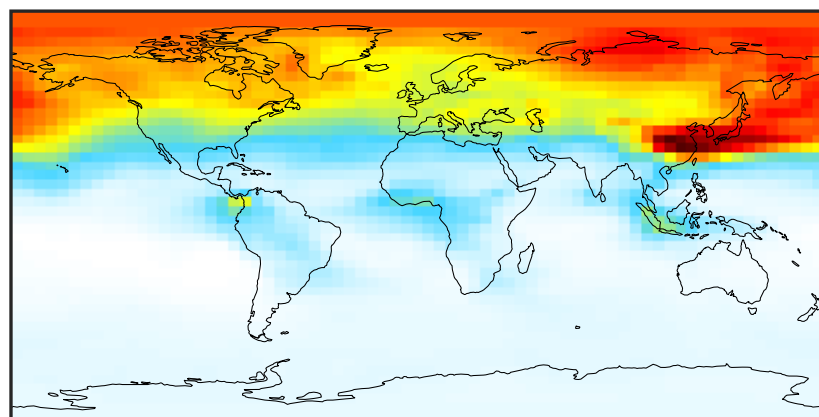


Ratio
Dev/Ref, Fixed Range



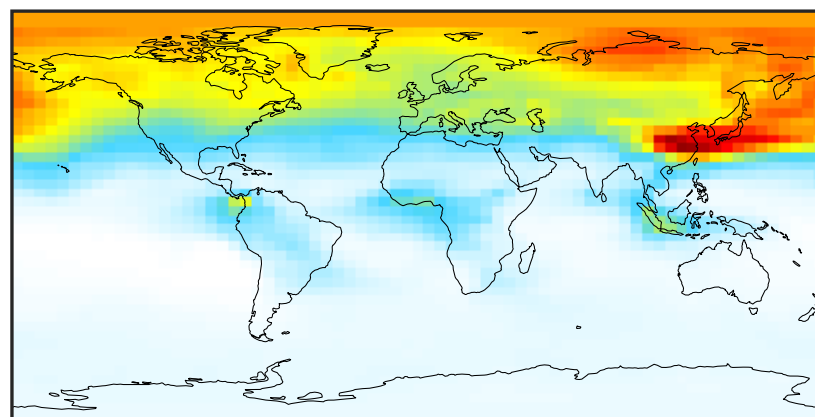
SpeciesConcVV_NPRNO3 (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



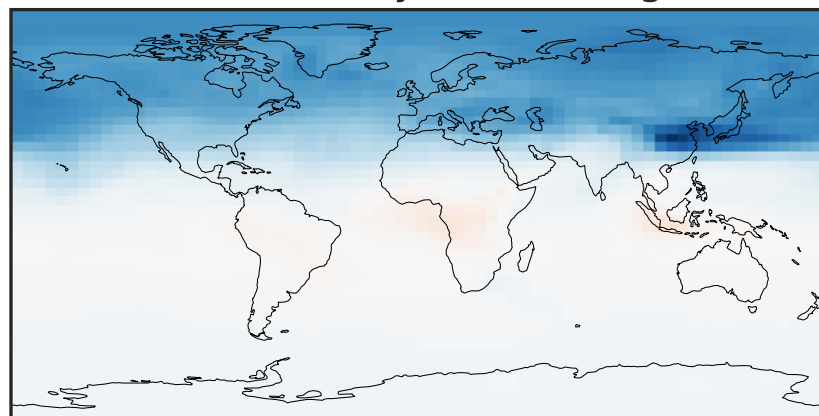
0.001 0.002 0.003
ppb

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



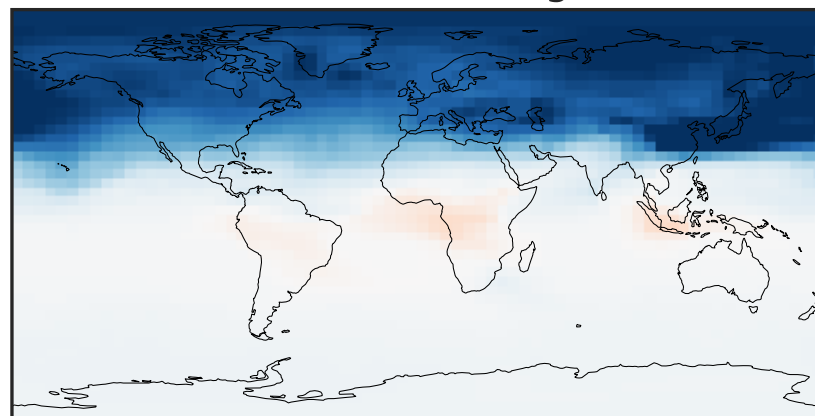
0.001 0.002 0.003
ppb

Difference
Dev - Ref, Dynamic Range



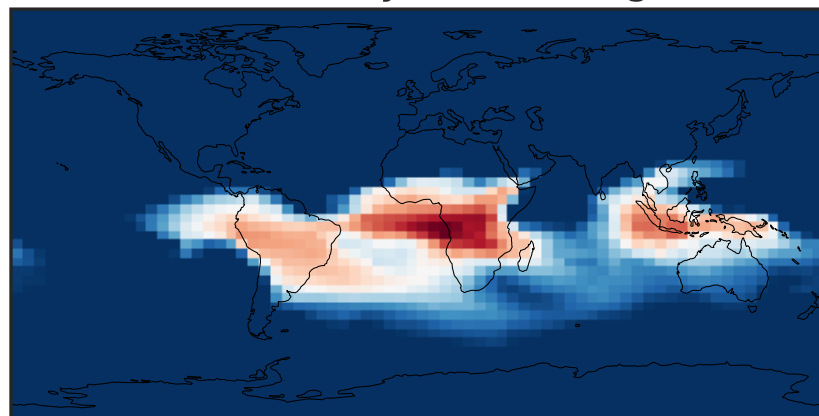
-0.0002 0.0000 0.0002
ppb

Difference
Dev - Ref, Restricted Range [5%,95%]



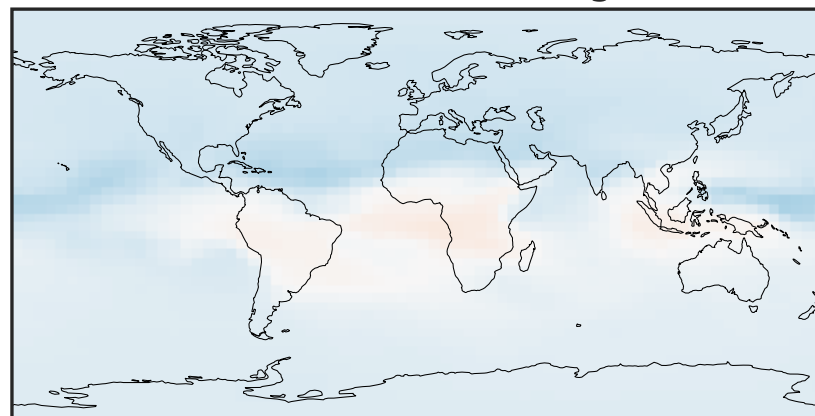
-0.00015 0.00000 0.00015
ppb

Ratio
Dev/Ref, Dynamic Range



0.9342 0.9671 1.0000 1.0352 1.0704
unitless

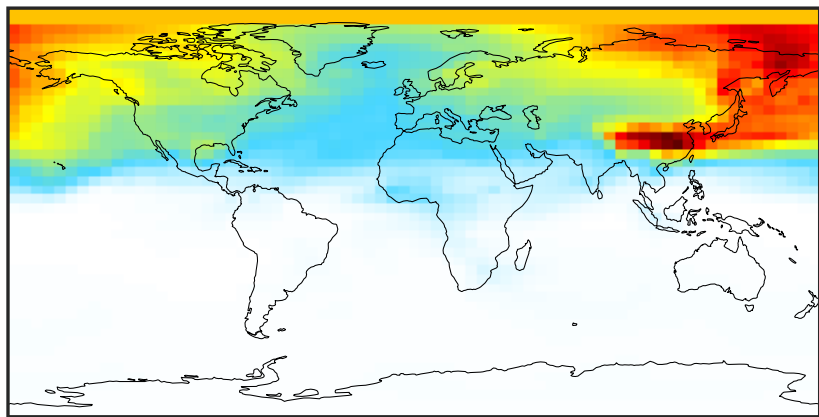
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

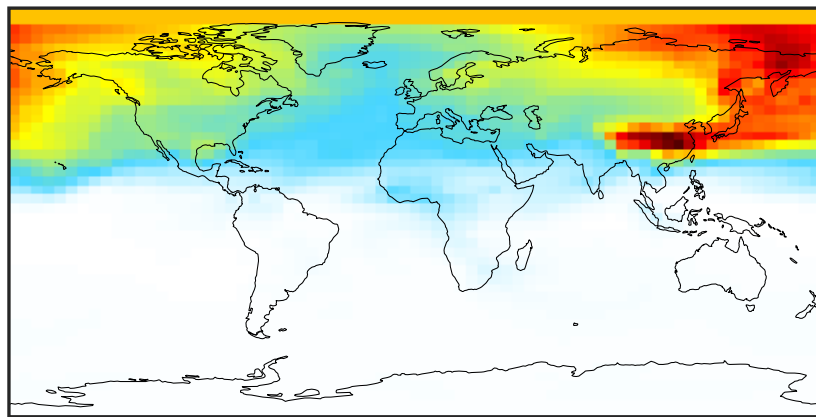
SpeciesConcVV_AONITA (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



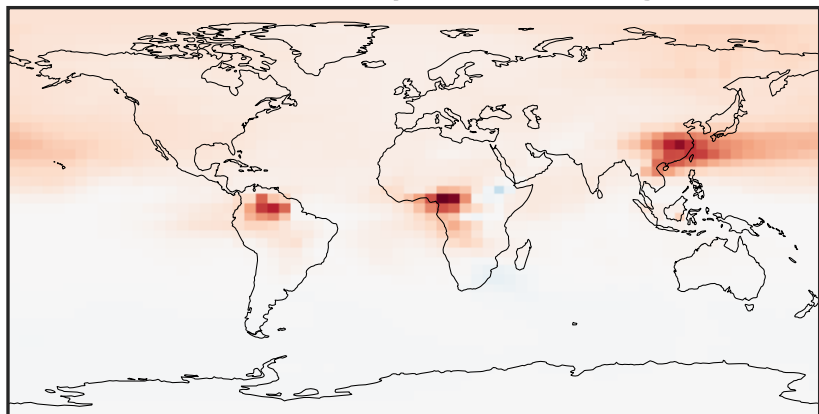
0.0015 0.0030 0.0045
ppb

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



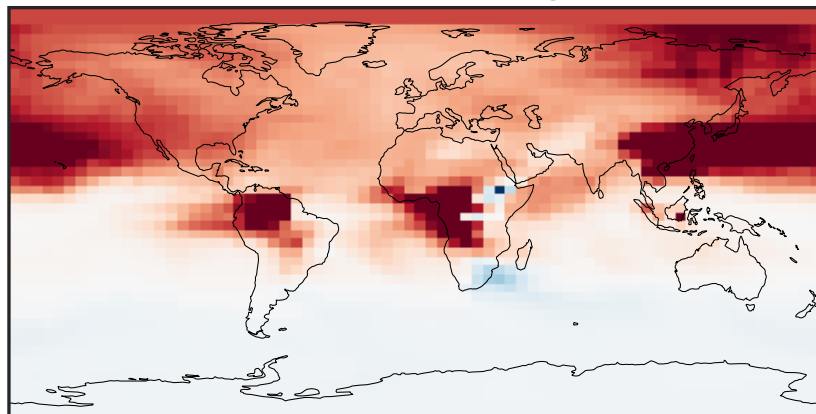
0.0015 0.0030 0.0045
ppb

Difference
Dev - Ref, Dynamic Range



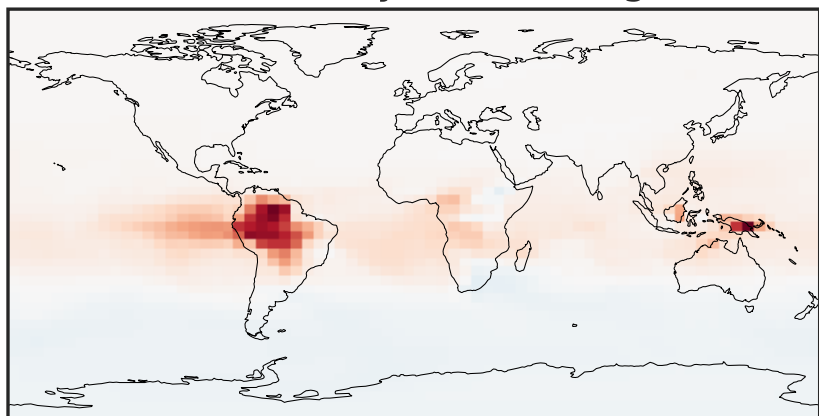
-5 0 5
ppb $1e-5$

Difference
Dev - Ref, Restricted Range [5%,95%]



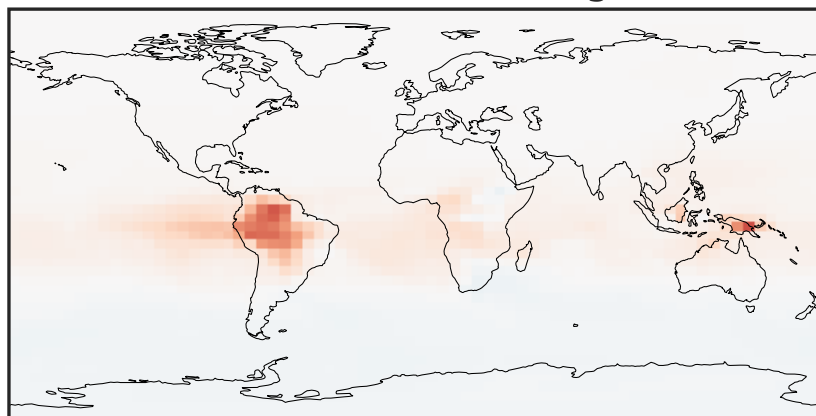
-1.5 0.0 1.5
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.6411 0.8206 1.0000 1.2799 1.5597
unitless

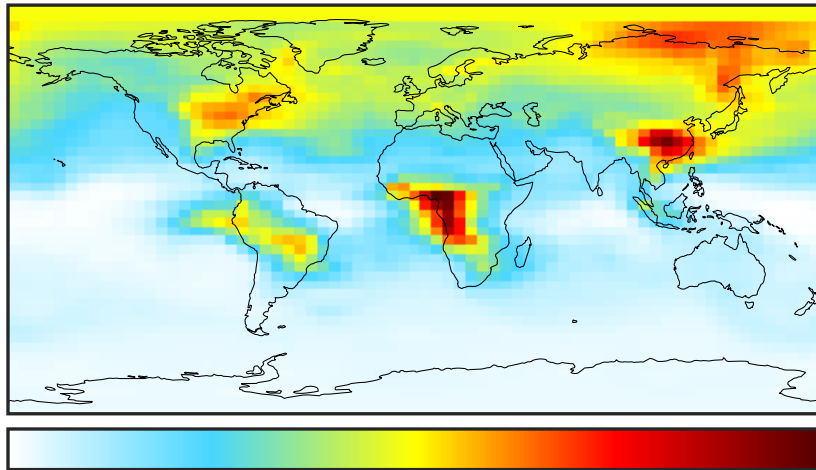
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

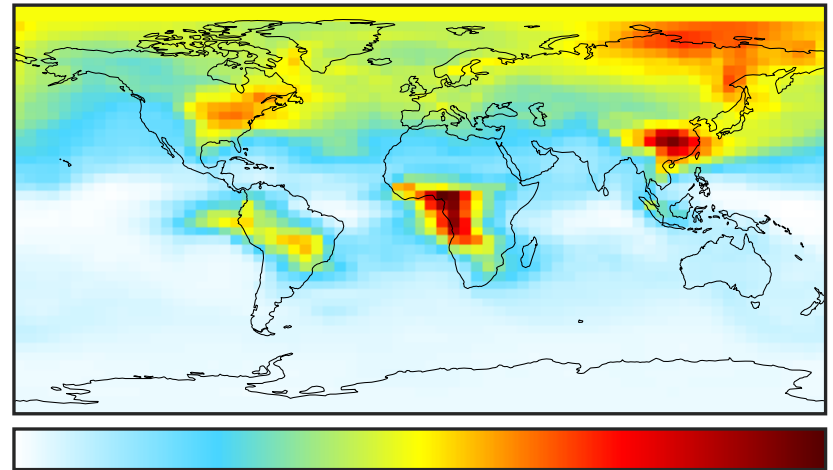
SpeciesConcVV_ETHN (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



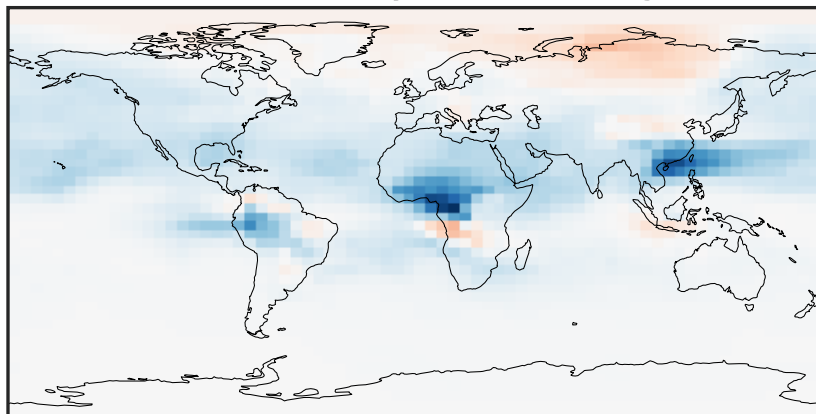
0.00015 0.00030
ppb

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



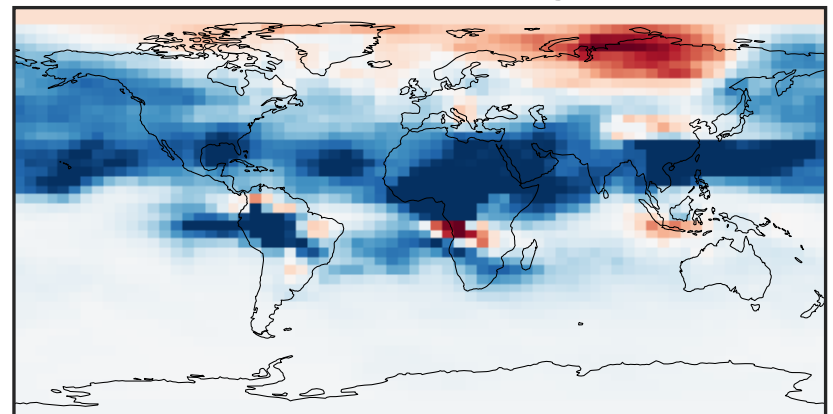
0.00015 0.00030
ppb

Difference
Dev - Ref, Dynamic Range



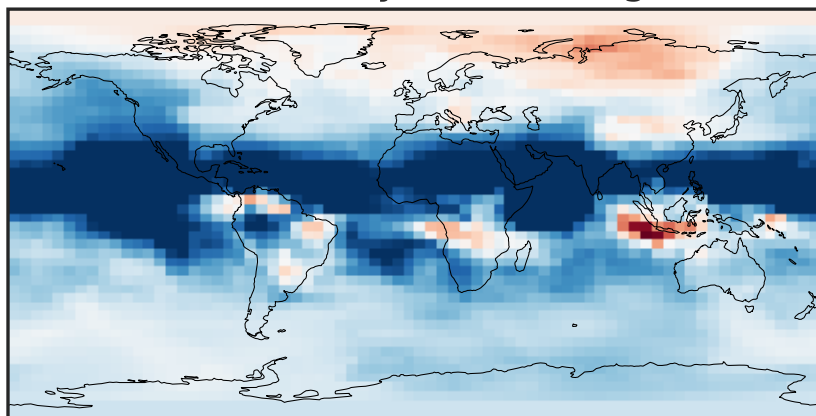
-3 0 3
ppb $1e-6$

Difference
Dev - Ref, Restricted Range [5%,95%]



-8 0 8
ppb $1e-7$

Ratio
Dev/Ref, Dynamic Range



0.98457 0.99228 1.00000 1.00784 1.01568
unitless

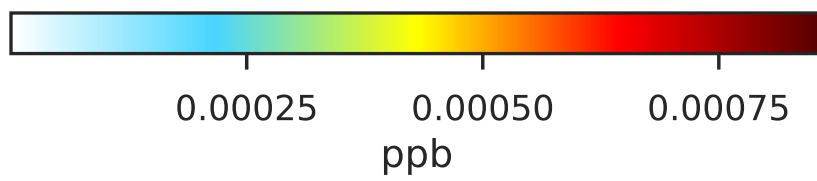
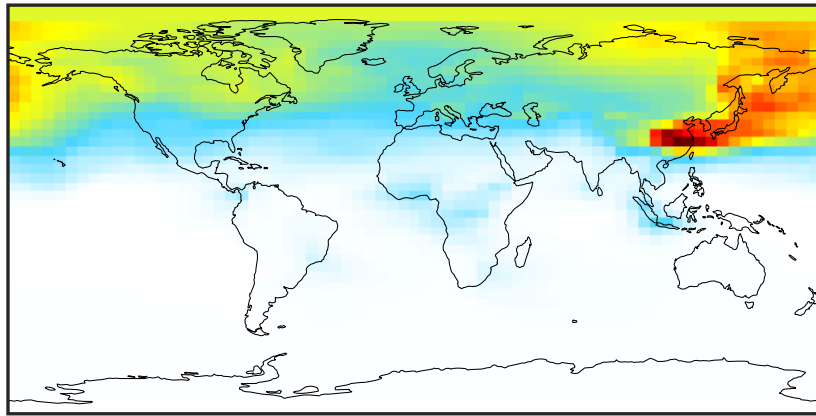
Ratio
Dev/Ref, Fixed Range



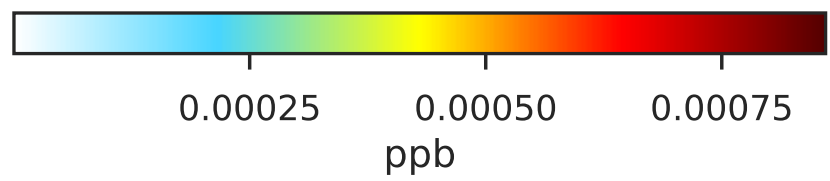
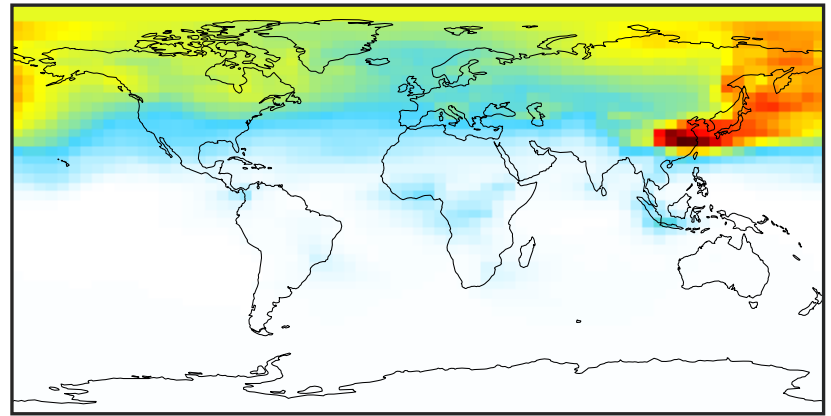
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_BZPAN (Apr2019)

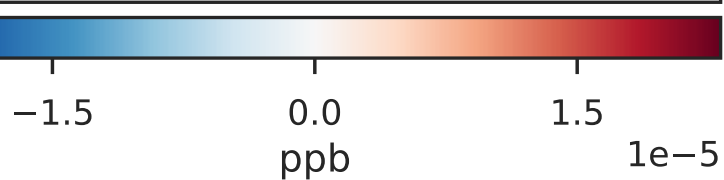
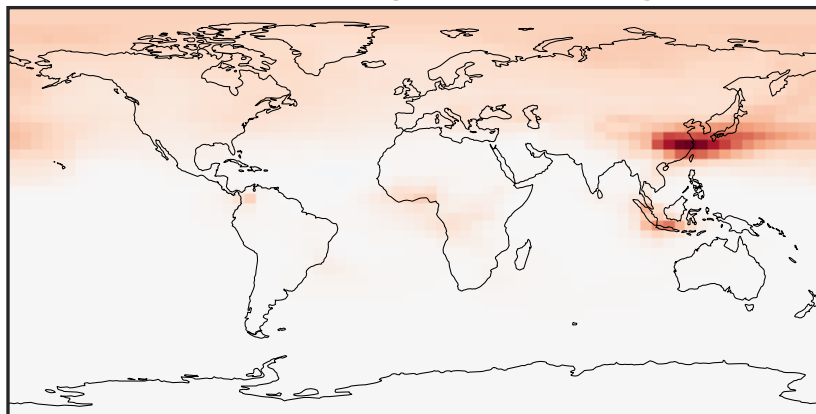
14.2.0-rc.2 (Ref)
4.0x5.0



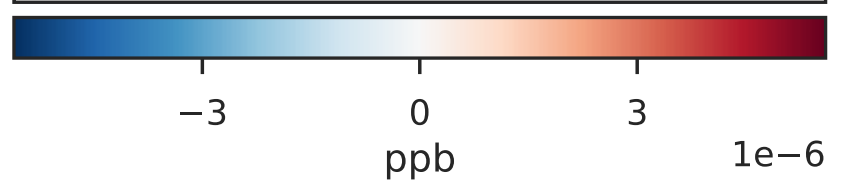
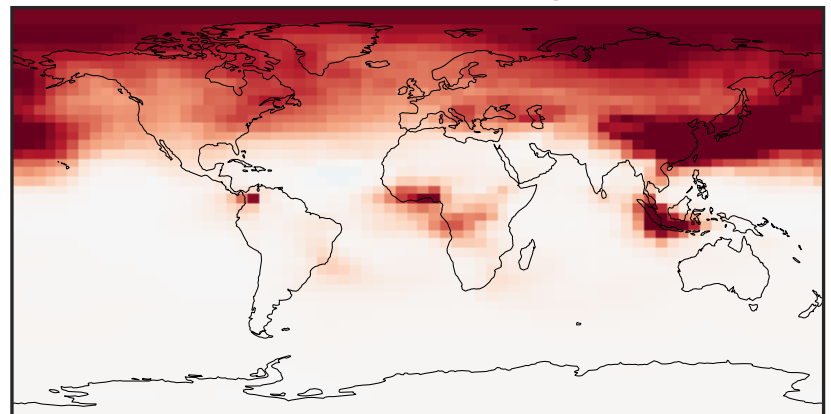
14.3.0-rc.0 (Dev)
4.0x5.0



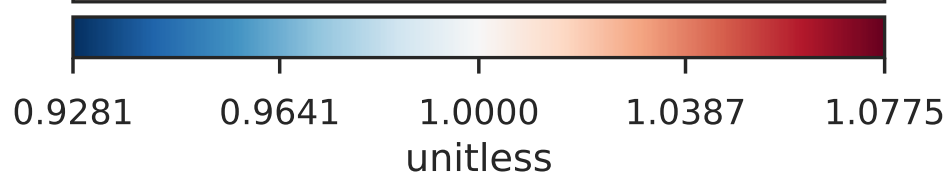
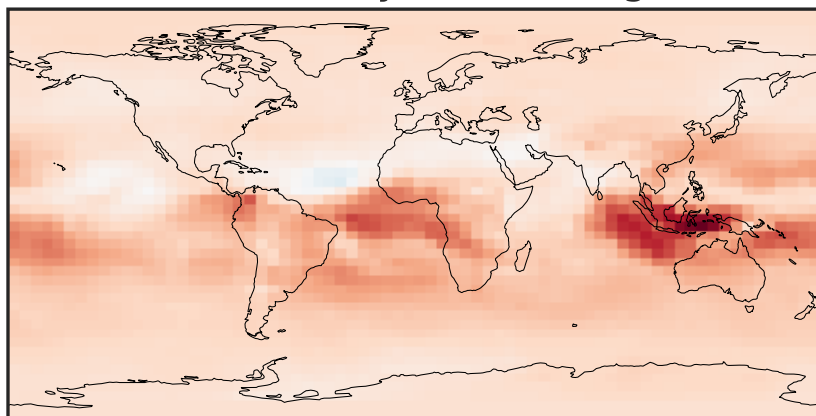
Difference
Dev - Ref, Dynamic Range



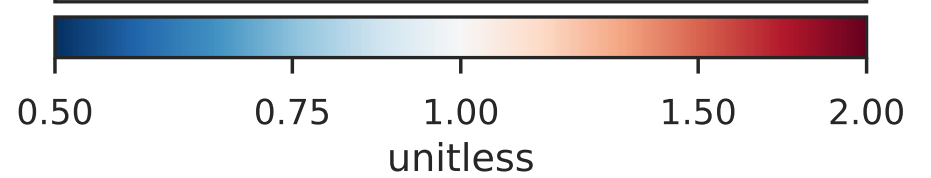
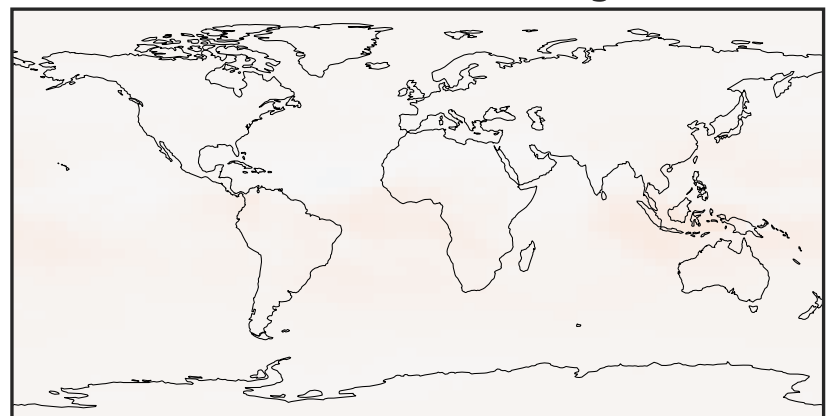
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

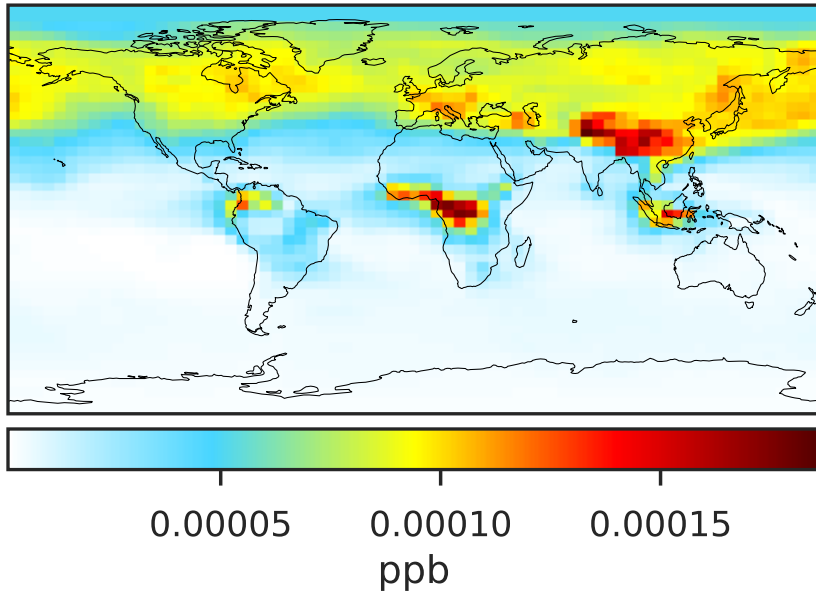


Ratio
Dev/Ref, Fixed Range

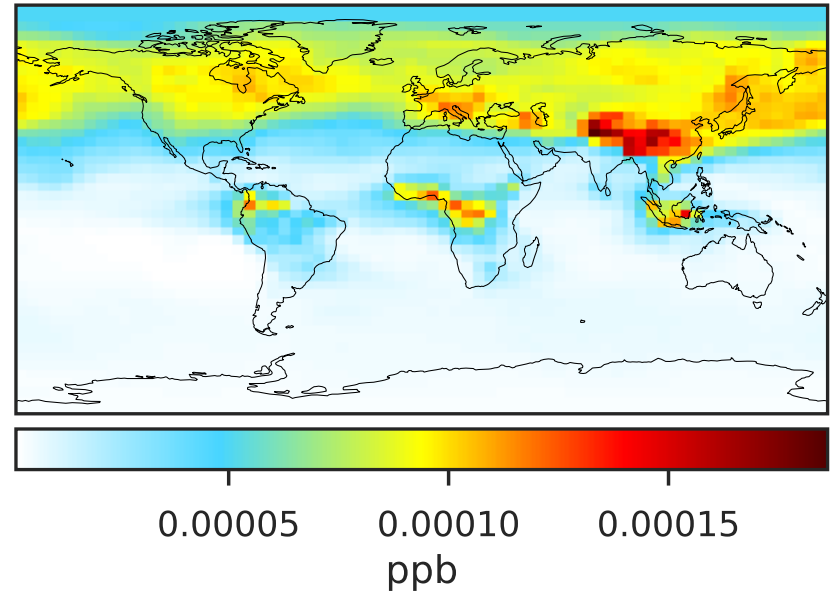


SpeciesConcVV_NPHEN (Apr2019)

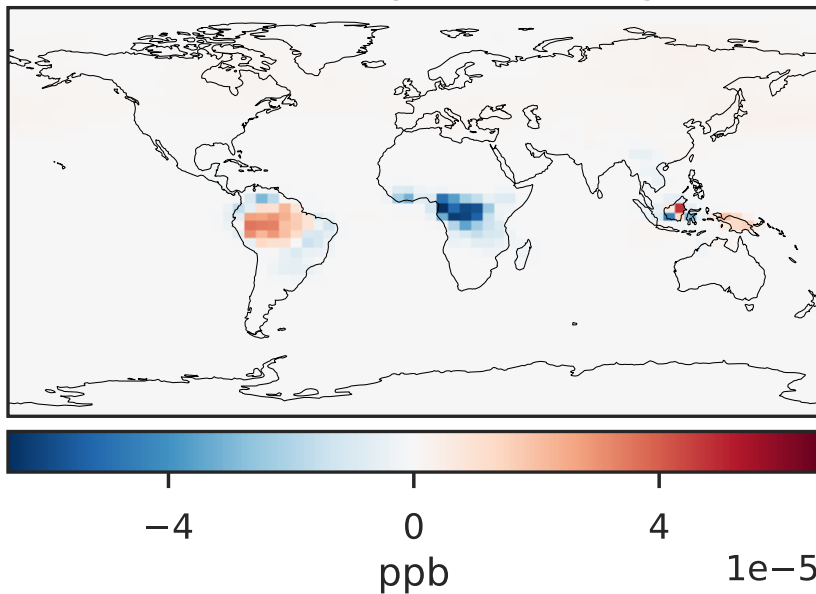
14.2.0-rc.2 (Ref)
4.0x5.0



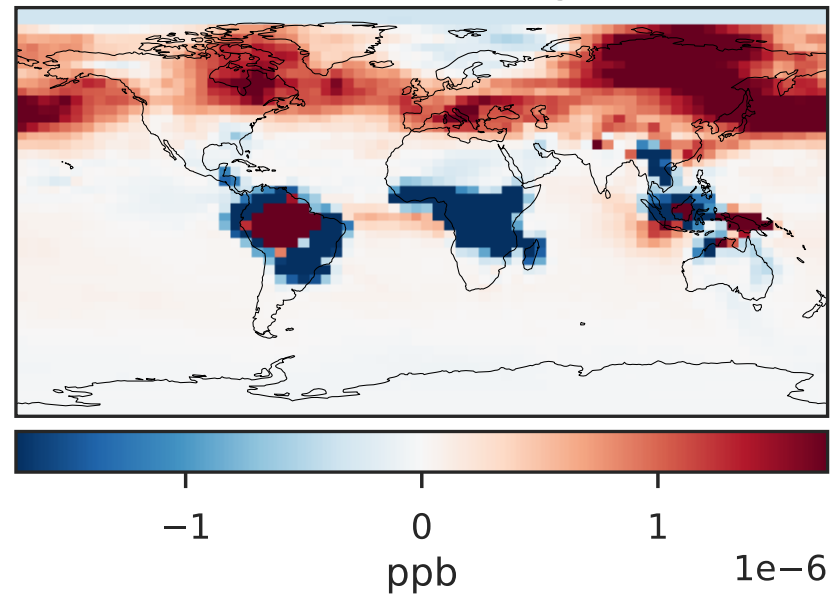
14.3.0-rc.0 (Dev)
4.0x5.0



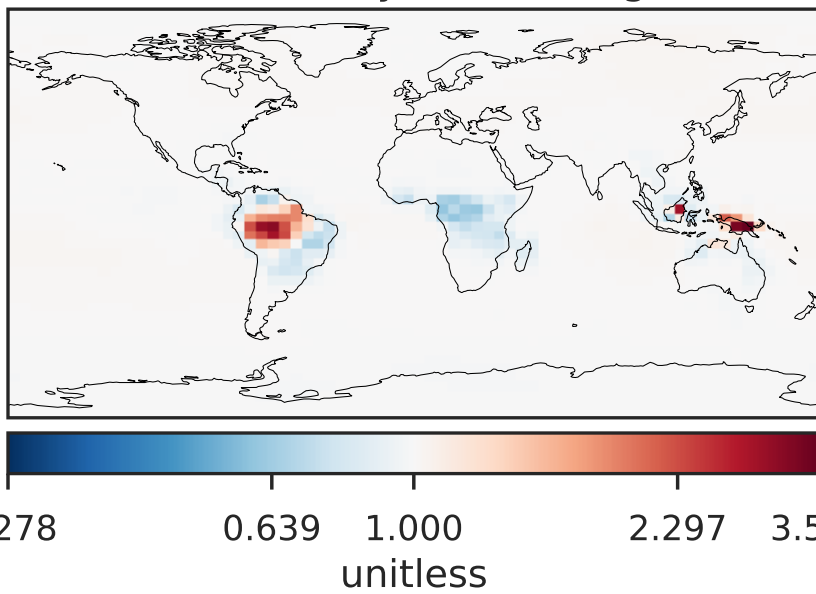
Difference
Dev - Ref, Dynamic Range



Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

