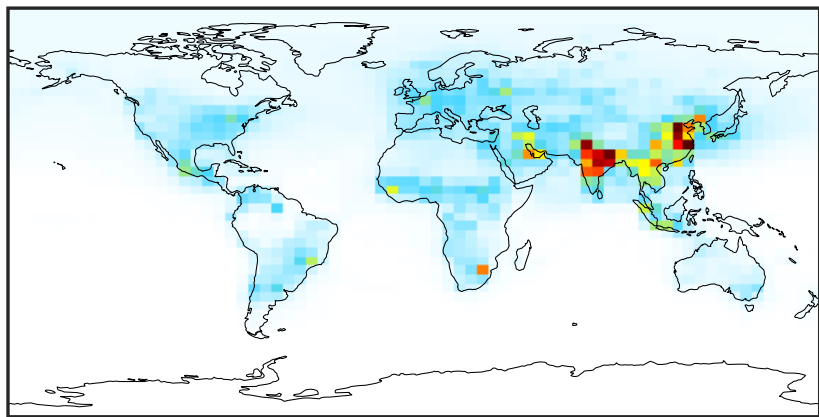


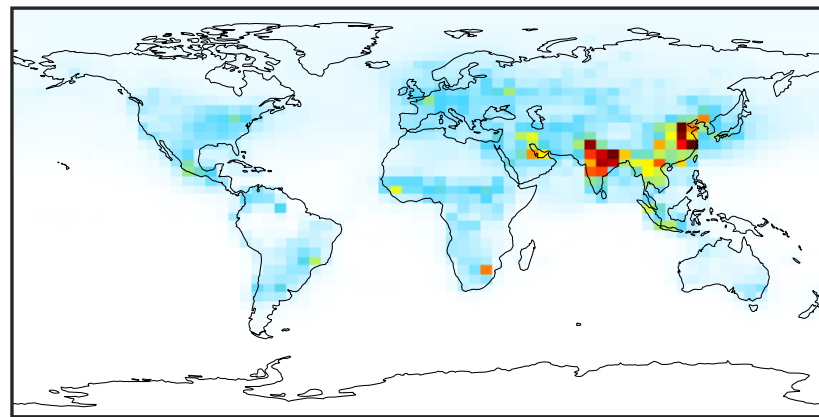
SpeciesConcVV_NOy (Apr2019)

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



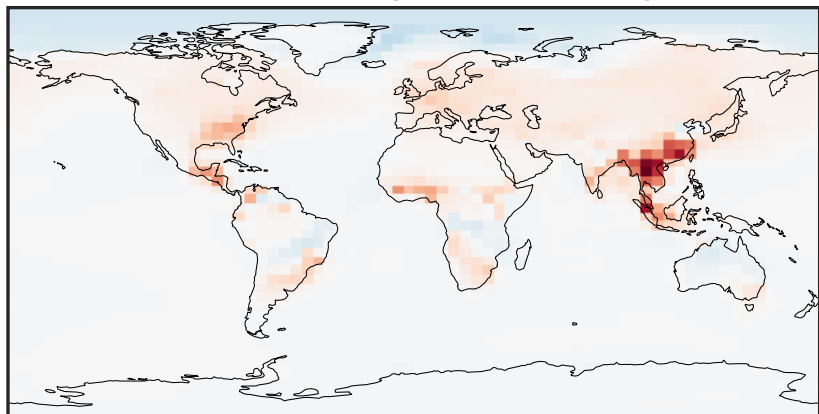
0.01 2.80 5.58 8.36 11.14
ppb

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



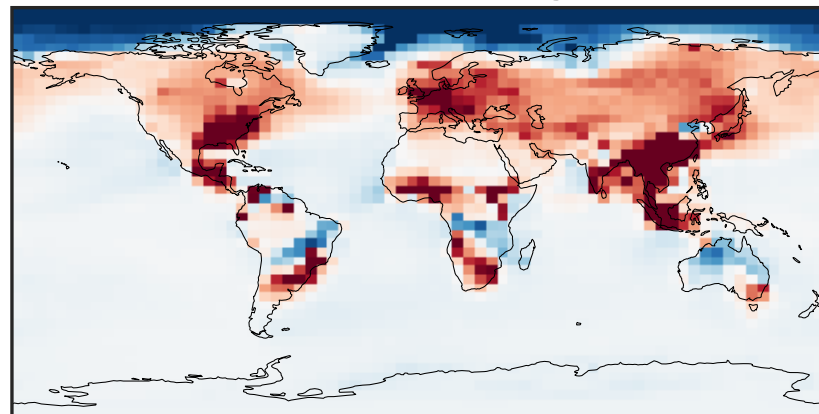
0.01 2.80 5.58 8.36 11.14
ppb

Difference
Dev - Ref, Dynamic Range



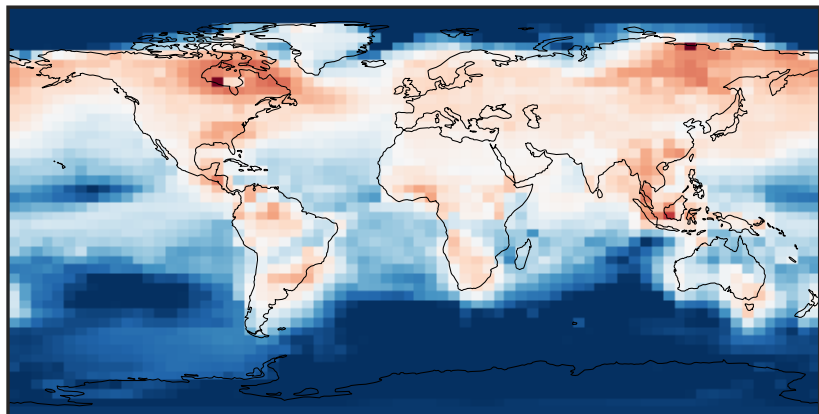
-0.0868 -0.0434 0.0000 0.0434 0.0868
ppb

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



-0.008 0.000 0.008
ppb

Ratio
Dev/Ref, Dynamic Range



0.96312 0.98156 1.00000 1.01915 1.03829
unitless

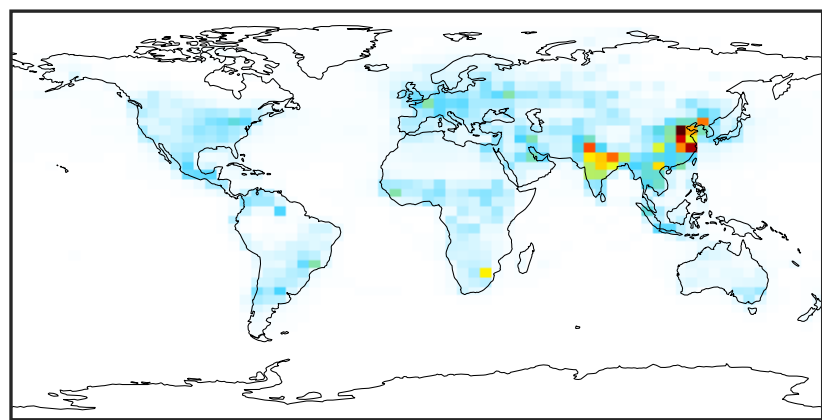
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

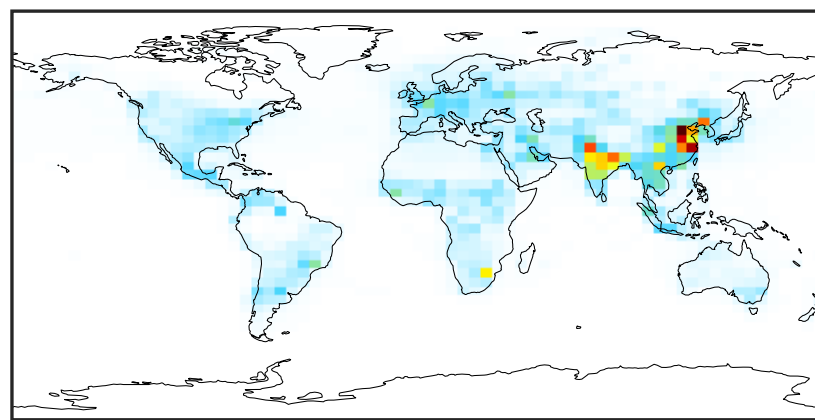
SpeciesConcVV_NOx (Apr2019)

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



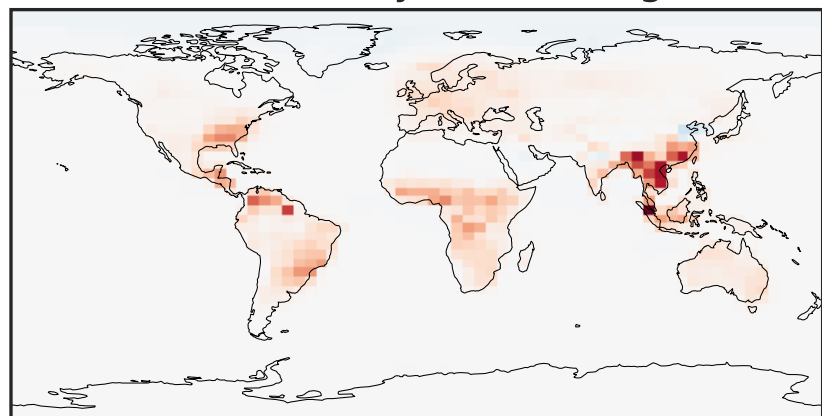
0.000 2.158 4.316 6.475 8.633
ppb

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



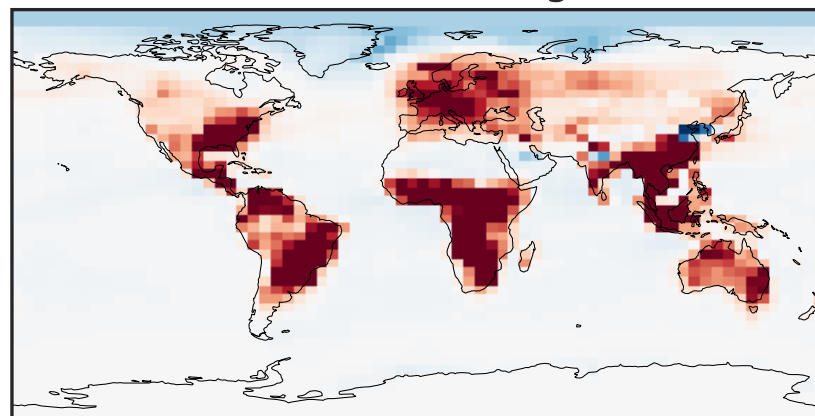
0.000 2.158 4.316 6.475 8.633
ppb

Difference
Dev - Ref, Dynamic Range



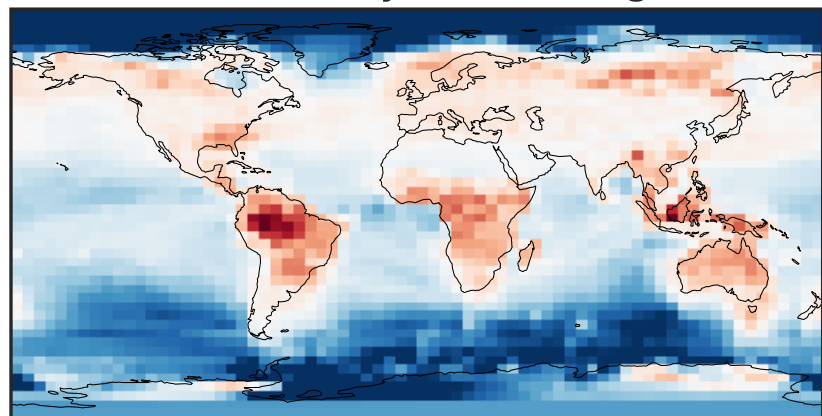
-0.1188 -0.0594 0.0000 0.0594 0.1188
ppb

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



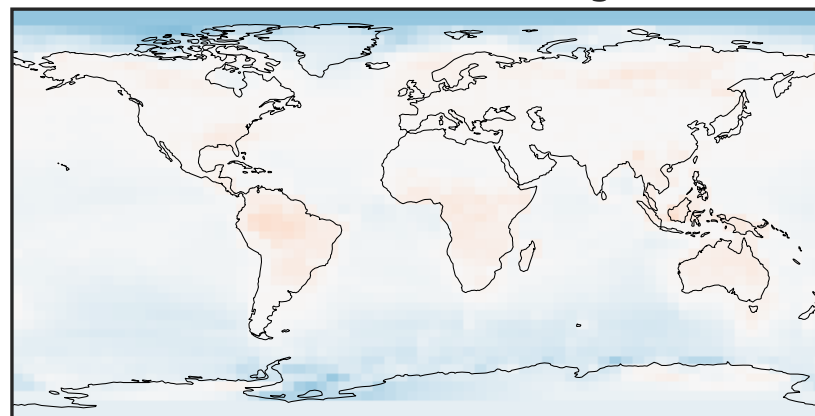
-0.01 0.00 0.01
ppb

Ratio
Dev/Ref, Dynamic Range



0.8927 0.9464 1.0000 1.0601 1.1202
unitless

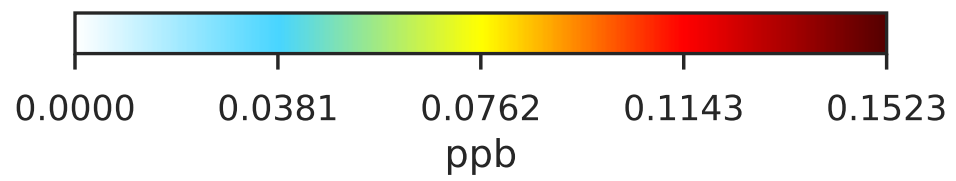
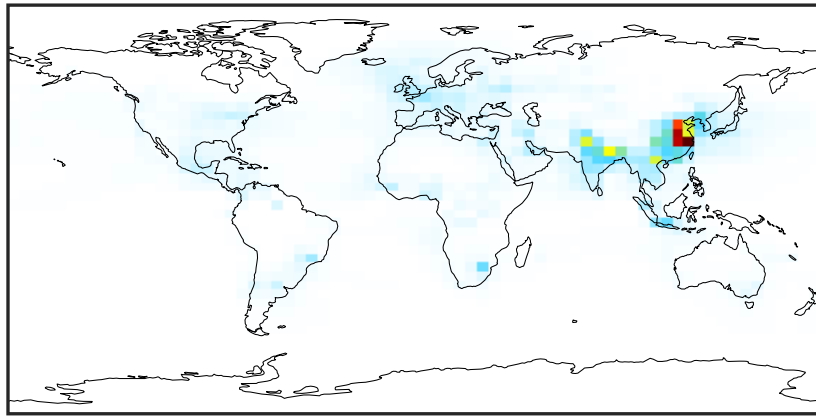
Ratio
Dev/Ref, Fixed Range



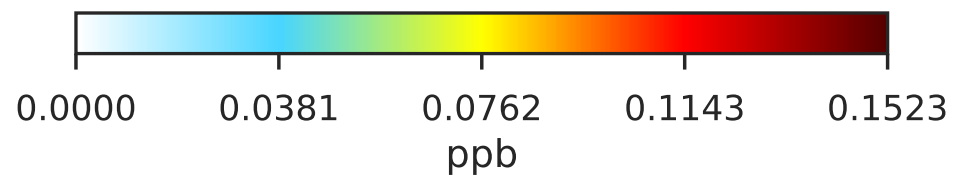
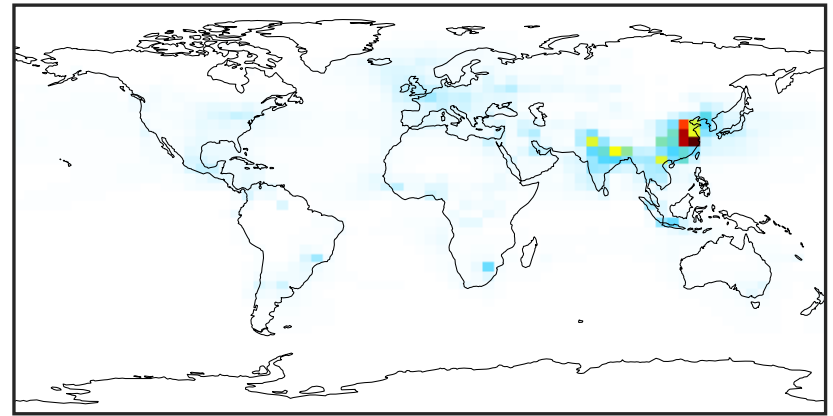
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO2 (Apr2019)

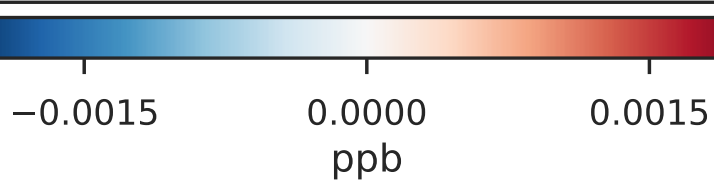
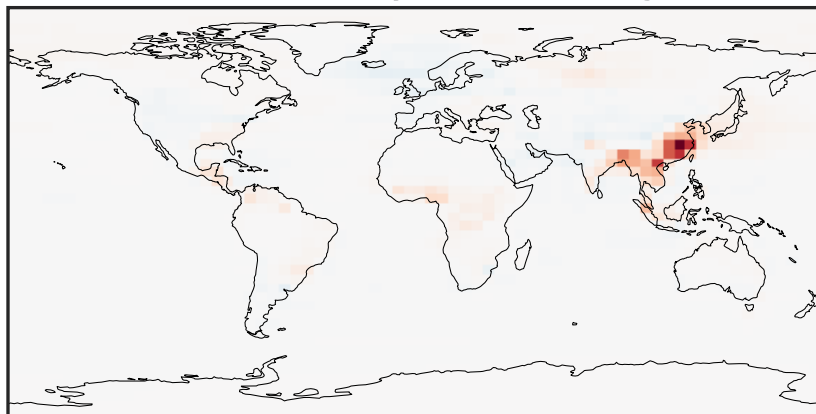
14.2.0-rc.2 (Ref)
4.0x5.0



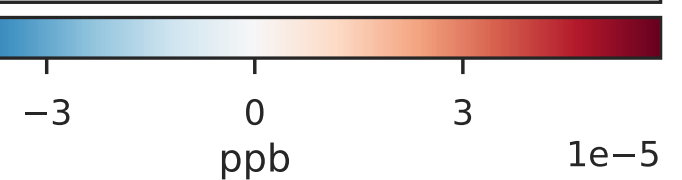
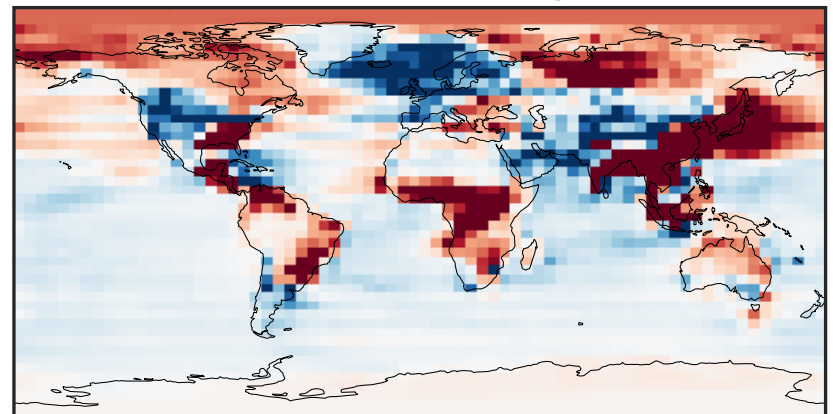
14.3.0-rc.0 (Dev)
4.0x5.0



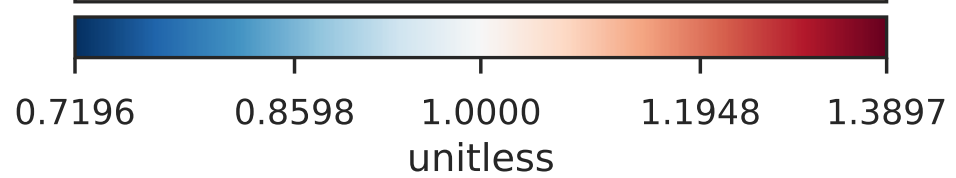
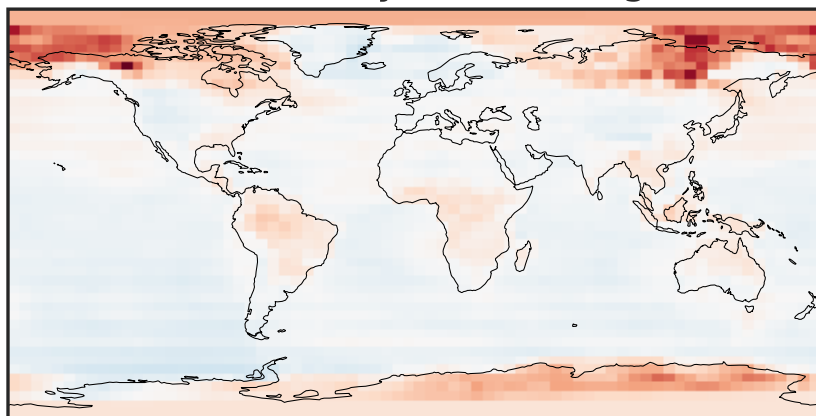
Difference
Dev - Ref, Dynamic Range



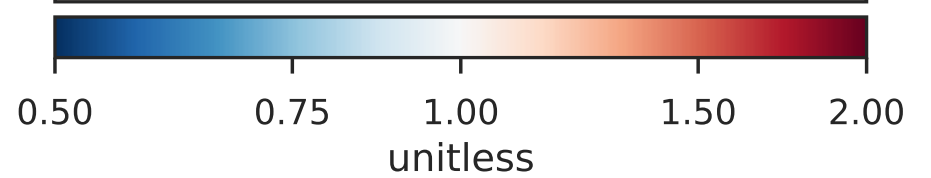
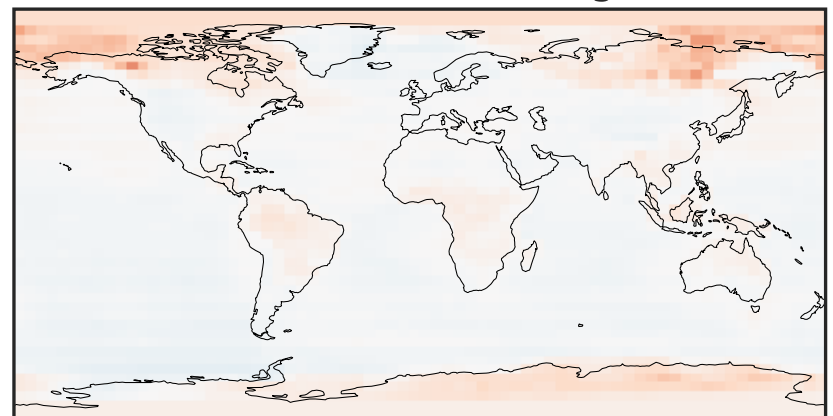
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

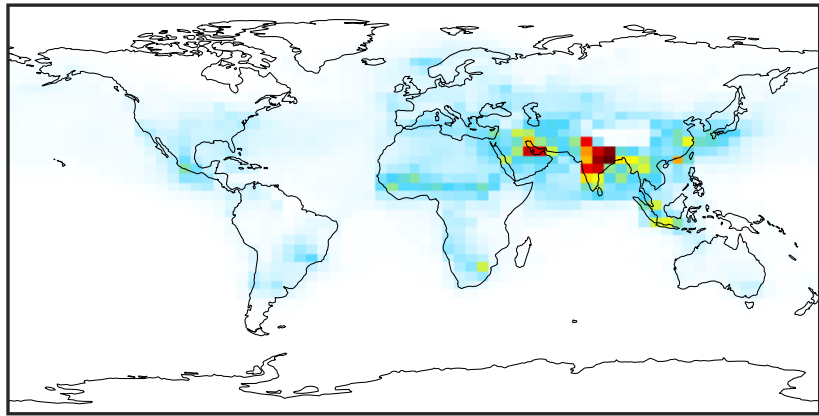


Ratio
Dev/Ref, Fixed Range



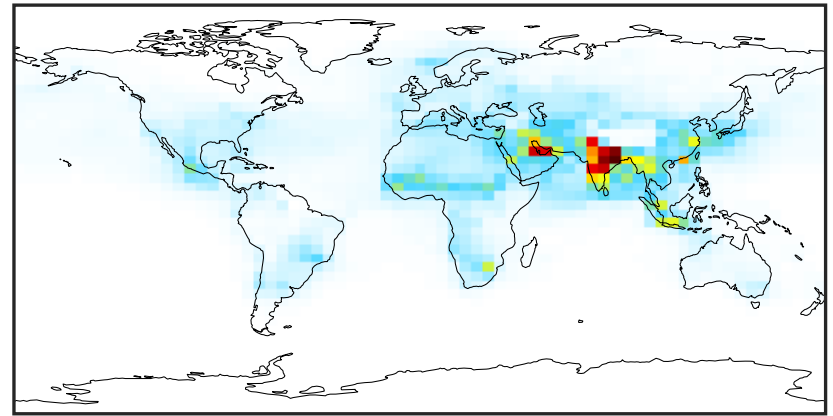
SpeciesConcVV_HNO3 (Apr2019)

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



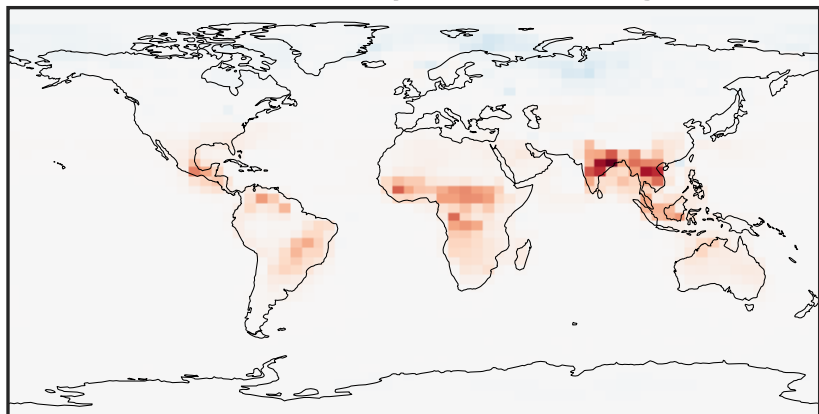
0.00 1.07 2.14 3.21 4.28
ppb

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



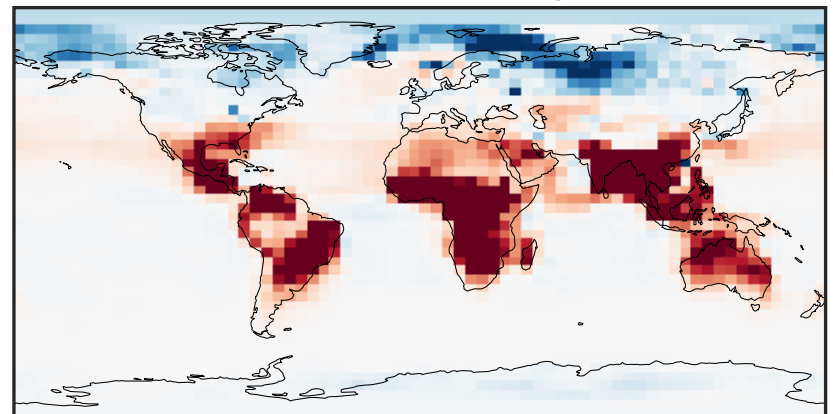
0.00 1.07 2.14 3.21 4.28
ppb

Difference
Dev - Ref, Dynamic Range



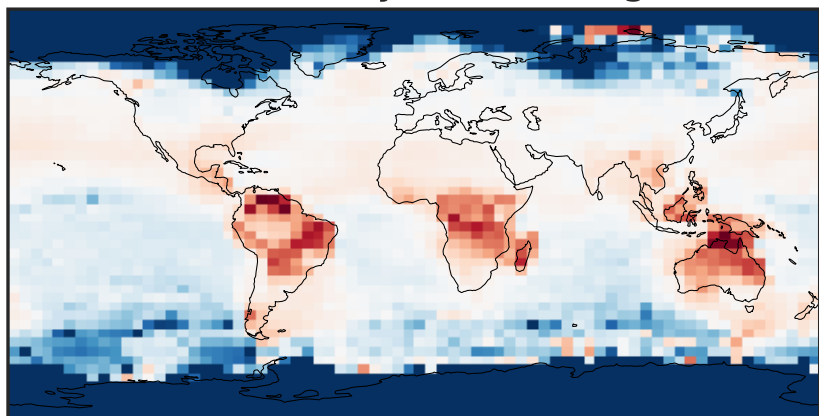
-0.0621 -0.0311 0.0000 0.0311 0.0621
ppb

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



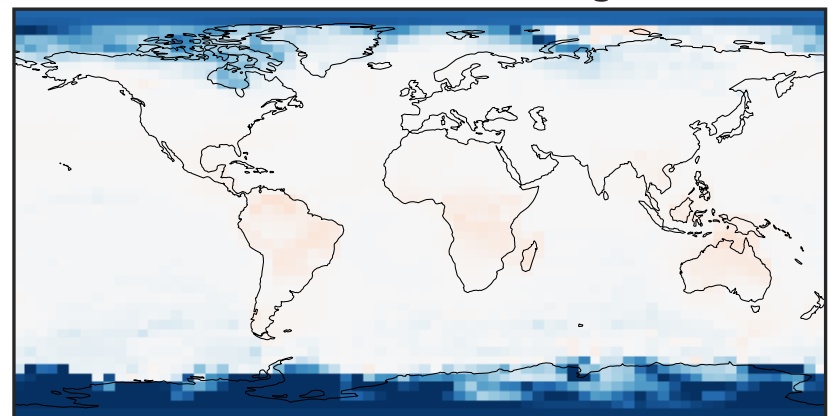
-0.003 0.000 0.003
ppb

Ratio
Dev/Ref, Dynamic Range



0.9105 0.9553 1.0000 1.0491 1.0983
unitless

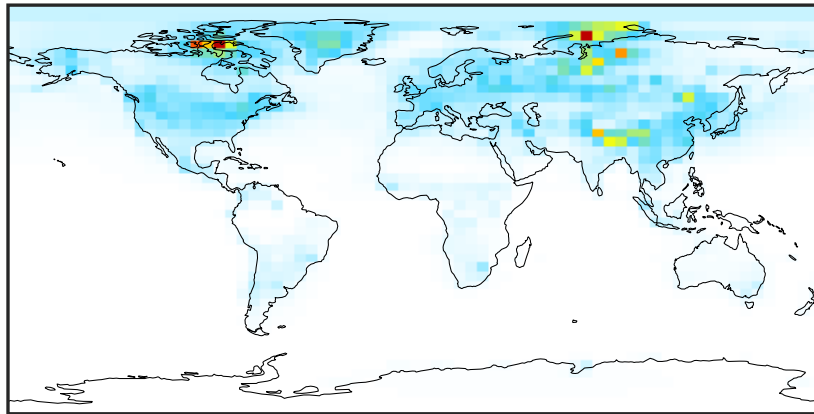
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

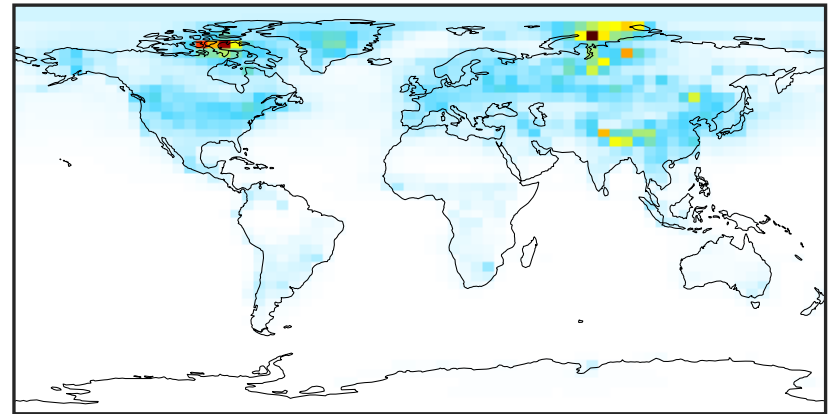
SpeciesConcVV_HNO4 (Apr2019)

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



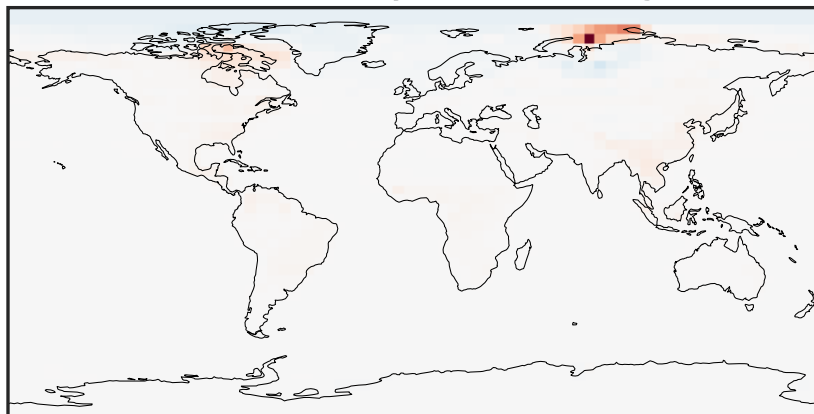
0.006 0.012 0.018
ppb

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



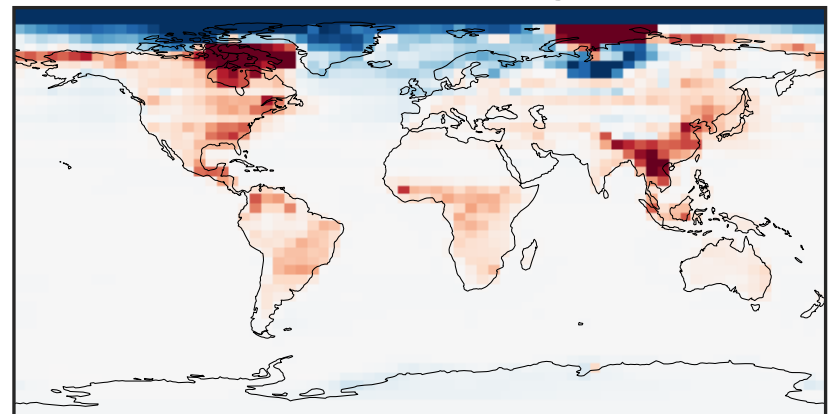
0.006 0.012 0.018
ppb

Difference
Dev - Ref, Dynamic Range



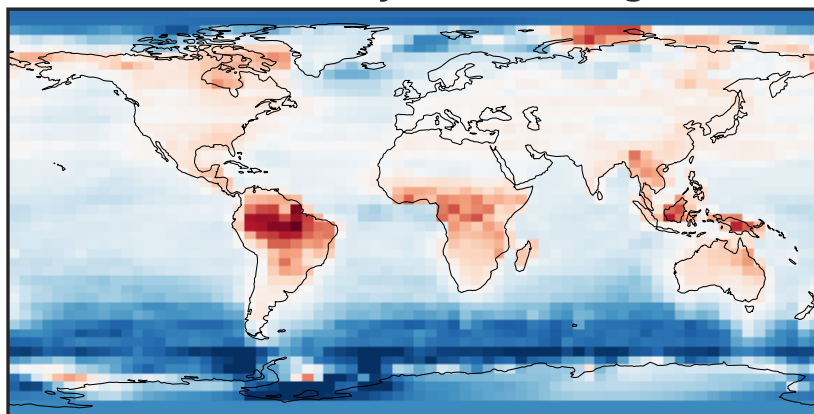
-0.002 0.000 0.002
ppb

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



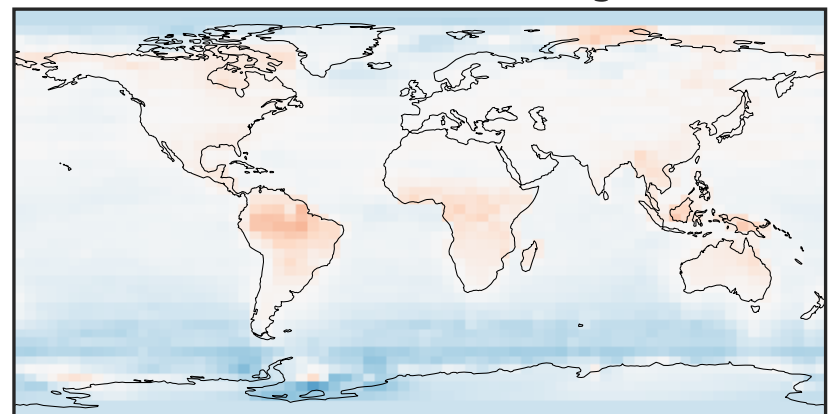
-0.00015 0.00000 0.00015
ppb

Ratio
Dev/Ref, Dynamic Range



0.7951 0.8976 1.0000 1.1288 1.2577
unitless

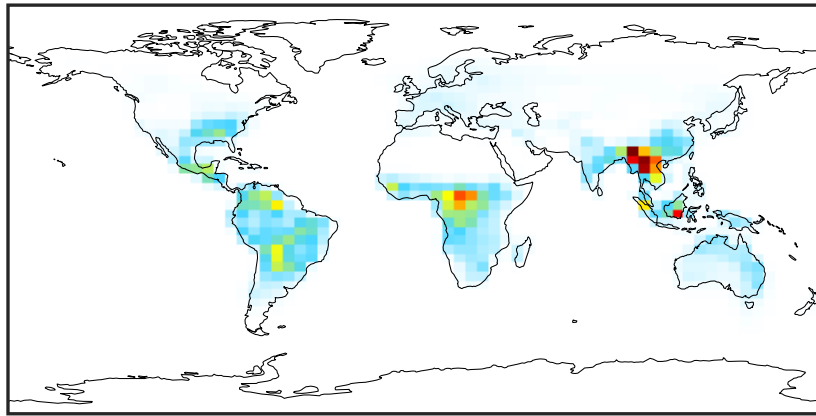
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

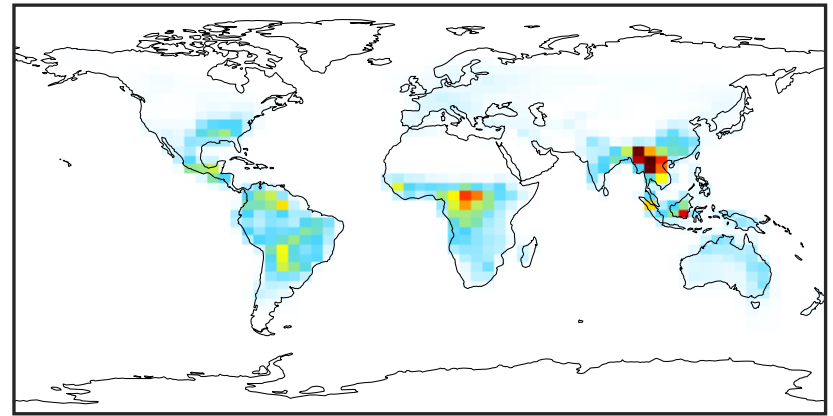
SpeciesConcVV_MPAN (Apr2019)

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



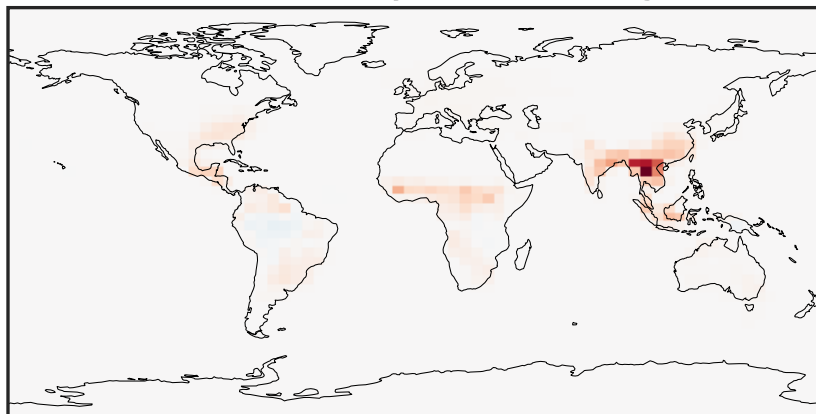
0.000 0.015 0.030
ppb

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



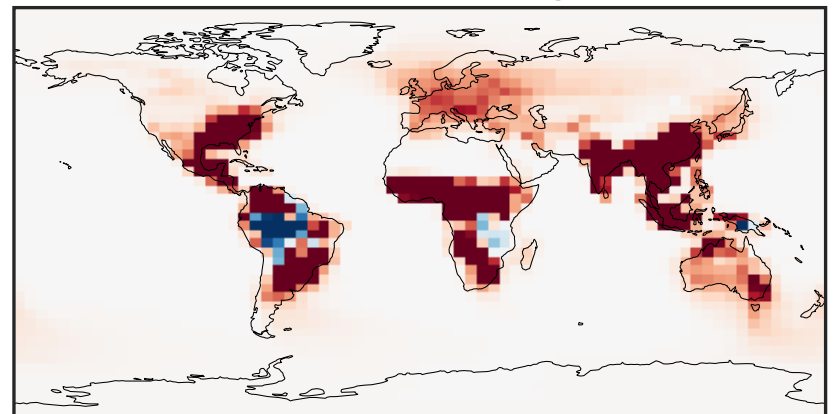
0.000 0.015 0.030
ppb

Difference
Dev - Ref, Dynamic Range



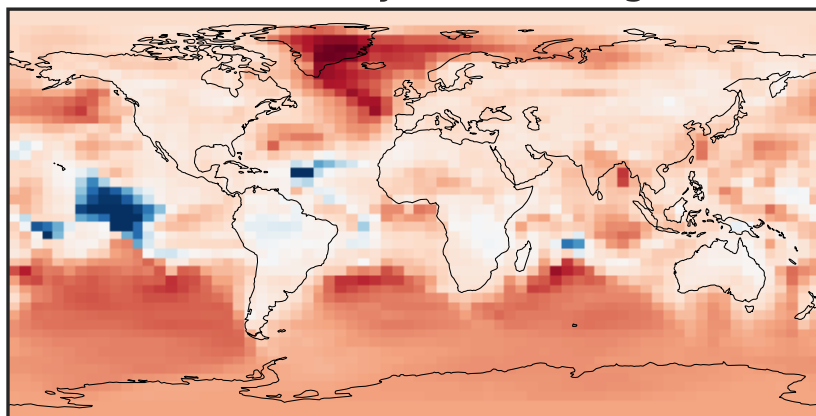
-0.0025 0.0000 0.0025
ppb

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



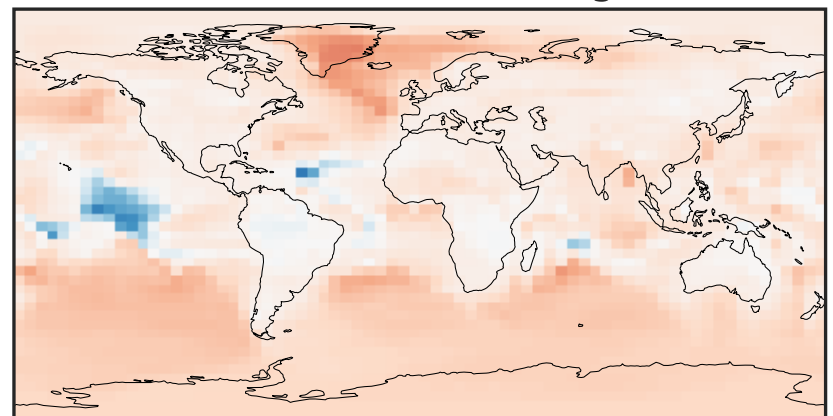
-8 0 8
ppb 1e-5

Ratio
Dev/Ref, Dynamic Range



0.7064 0.8532 1.0000 1.2078 1.4157
unitless

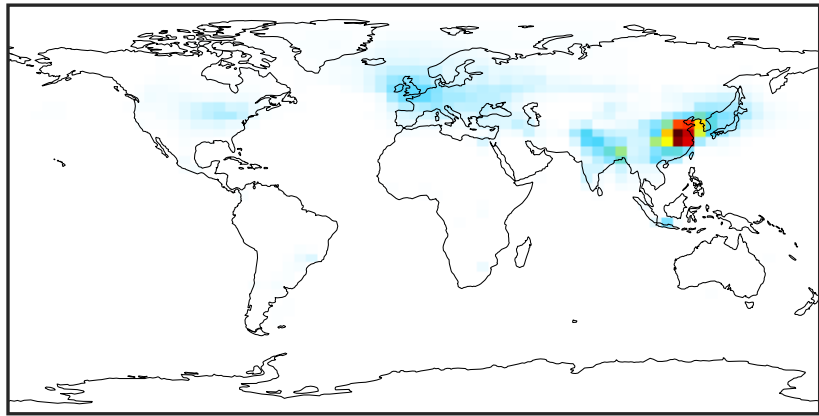
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

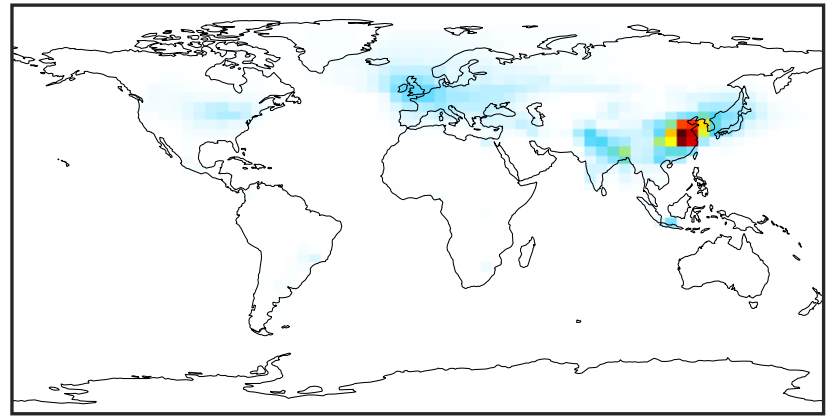
SpeciesConcVV_NIT (Apr2019)

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



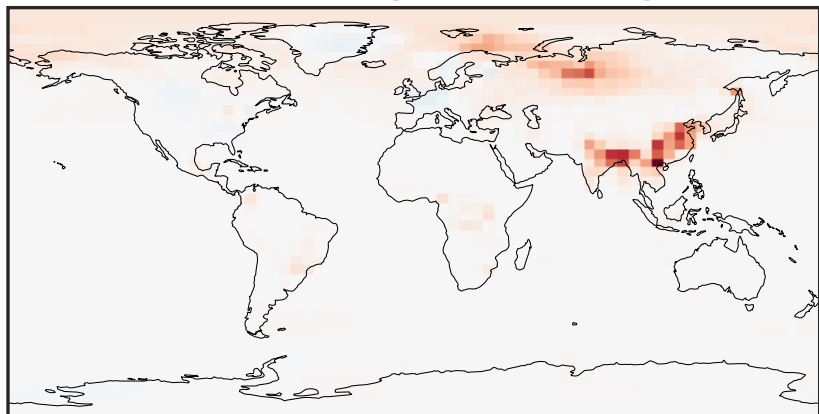
0.00 2.84 5.68 8.52 11.36
ppb

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



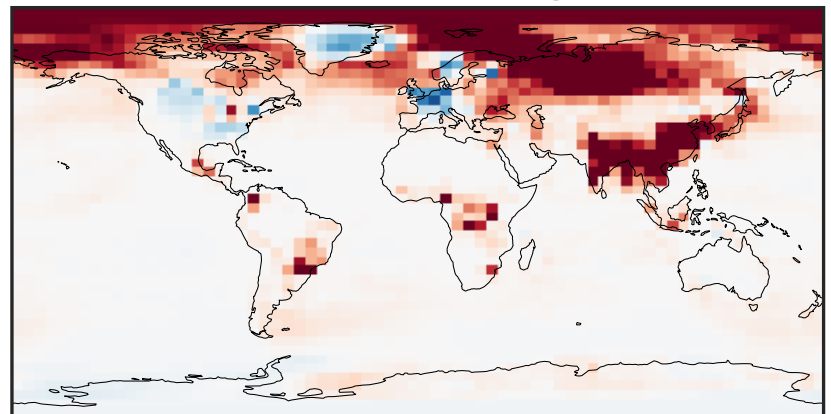
0.00 2.84 5.68 8.52 11.36
ppb

Difference
Dev - Ref, Dynamic Range



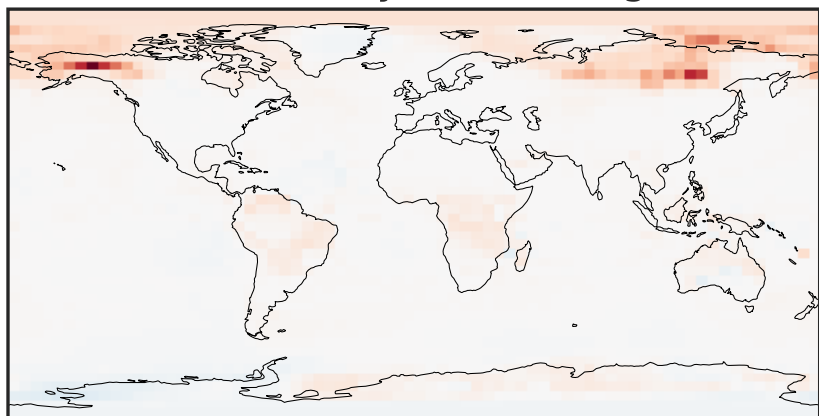
-0.0568 -0.0284 0.0000 0.0284 0.0568
ppb

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



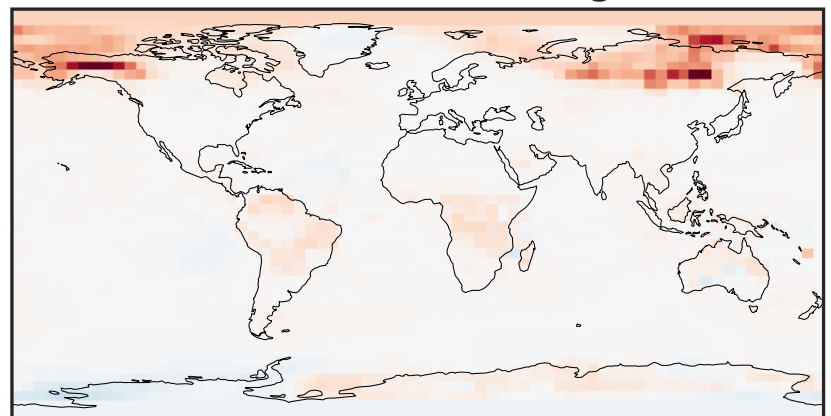
-0.004 0.000 0.004
ppb

Ratio
Dev/Ref, Dynamic Range



0.341 0.671 1.000 1.965 2.931
unitless

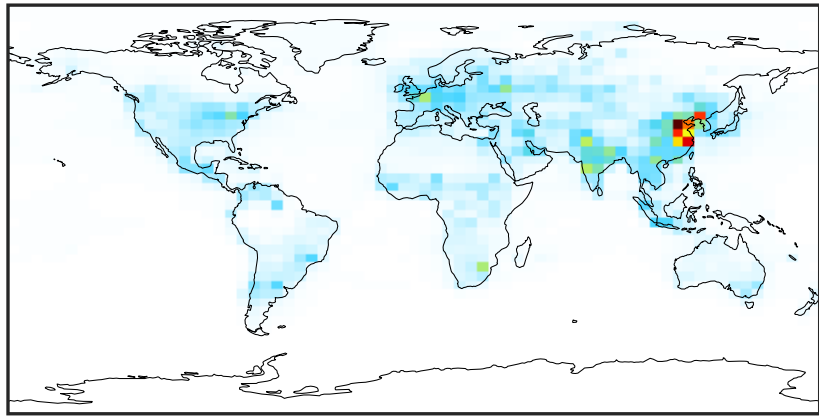
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

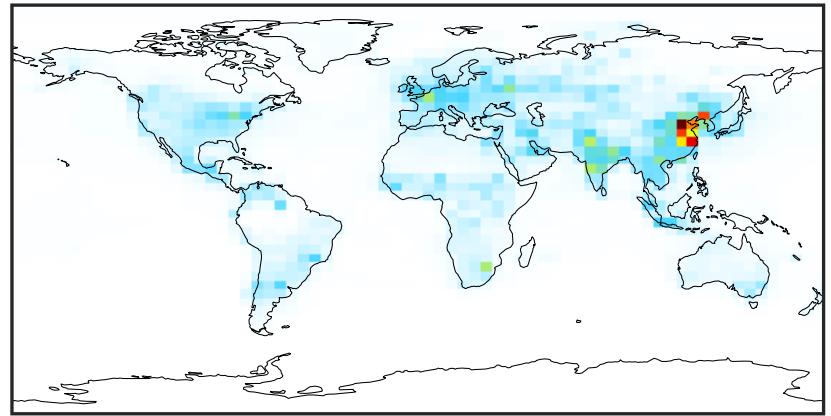
SpeciesConcVV_NO (Apr2019)

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



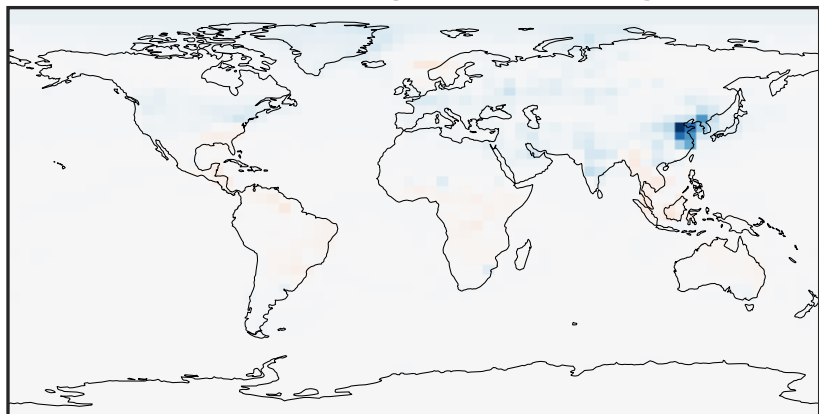
0.0000 0.1735 0.3470 0.5205 0.6940
ppb

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



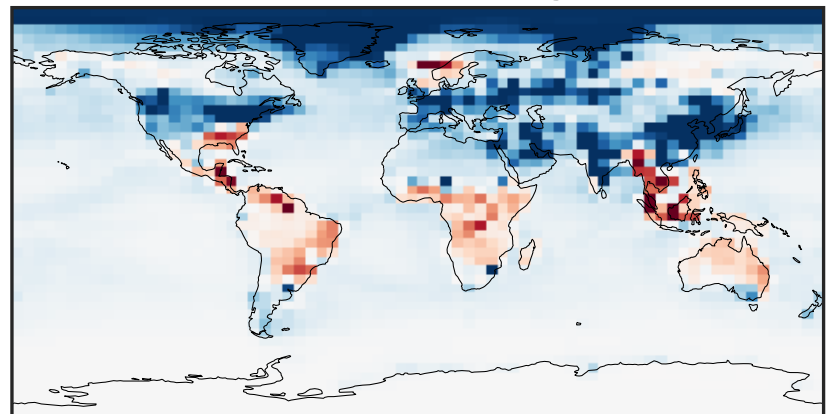
0.0000 0.1735 0.3470 0.5205 0.6940
ppb

Difference
Dev - Ref, Dynamic Range



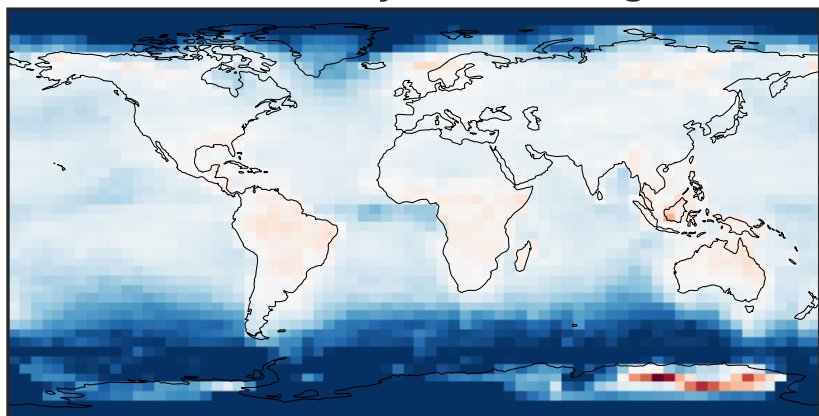
-0.01 0.00 0.01
ppb

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



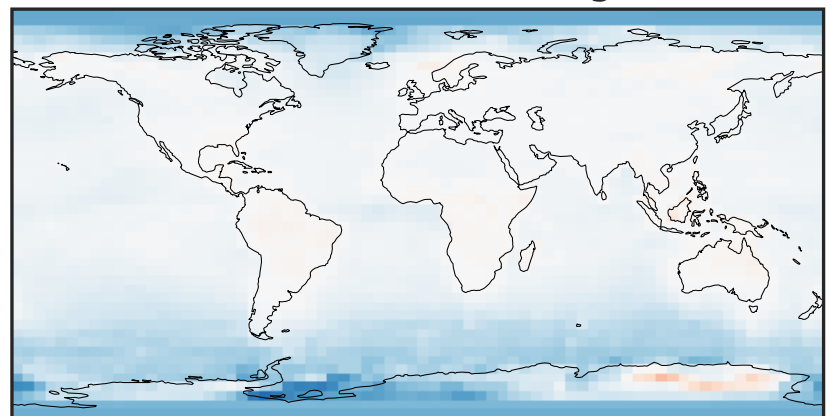
-0.0008 0.0000 0.0008
ppb

Ratio
Dev/Ref, Dynamic Range



0.8079 0.9040 1.0000 1.1189 1.2377
unitless

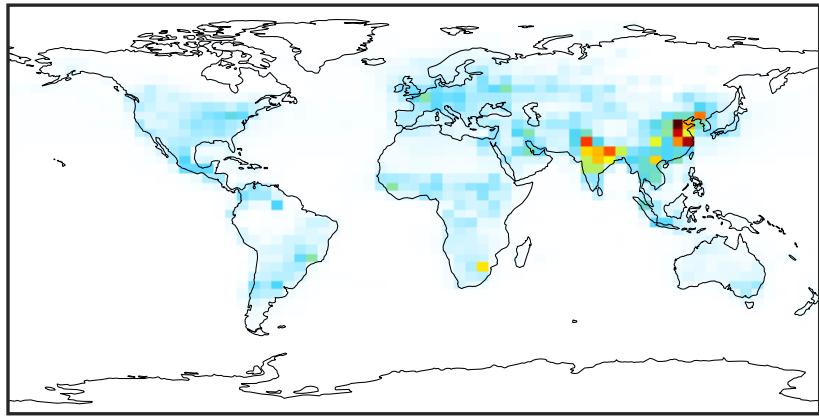
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

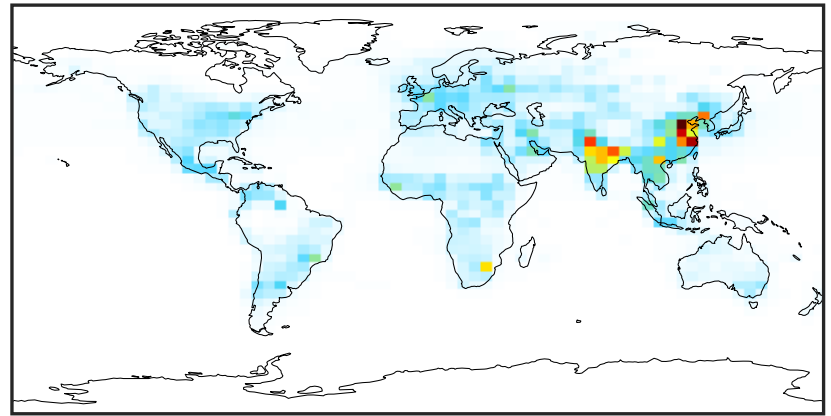
SpeciesConcVW_NO2 (Apr2019)

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



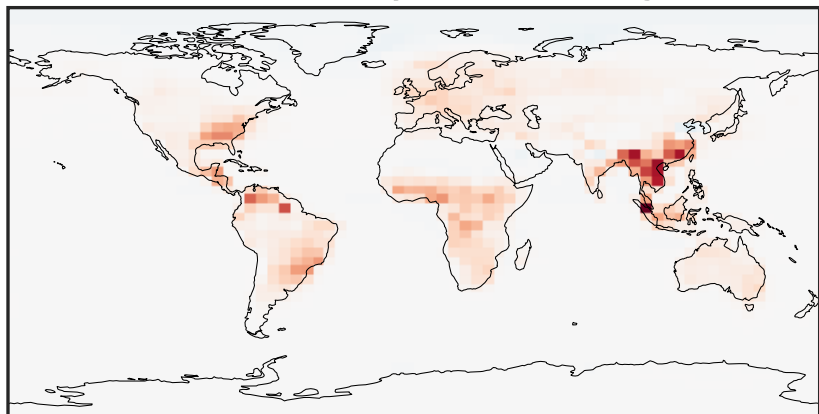
0.000 1.956 3.911 5.867 7.822
ppb

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



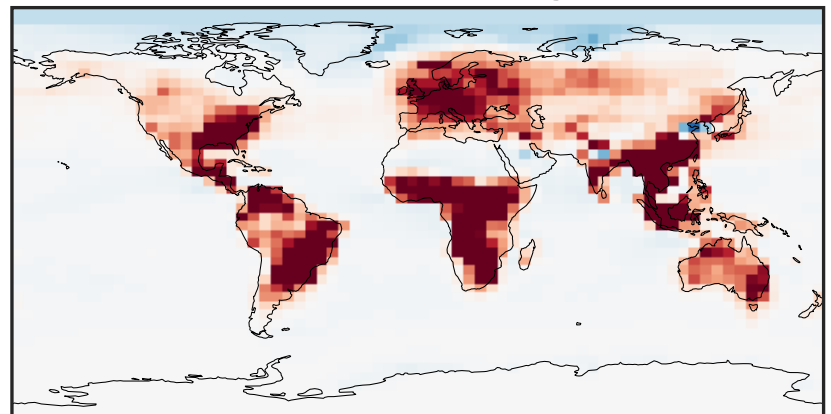
0.000 1.956 3.911 5.867 7.822
ppb

Difference
Dev - Ref, Dynamic Range



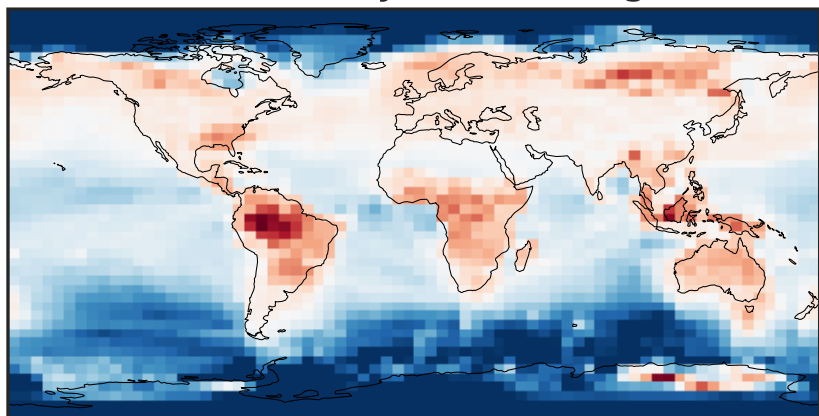
-0.1153 -0.0576 0.0000 0.0576 0.1153
ppb

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



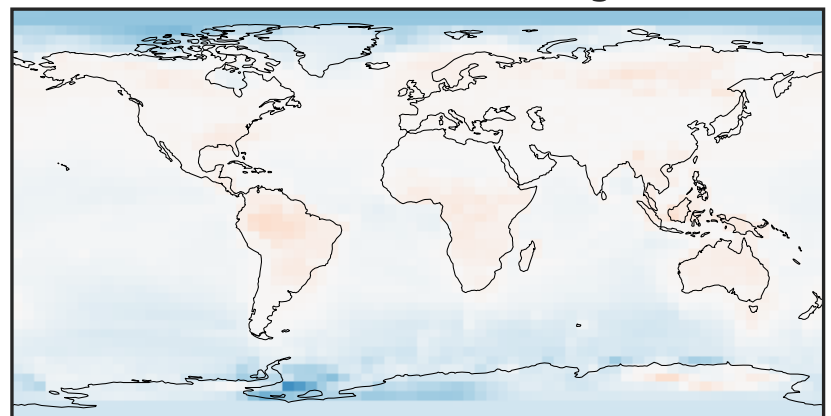
-0.008 0.000 0.008
ppb

Ratio
Dev/Ref, Dynamic Range



0.8888 0.9444 1.0000 1.0626 1.1251
unitless

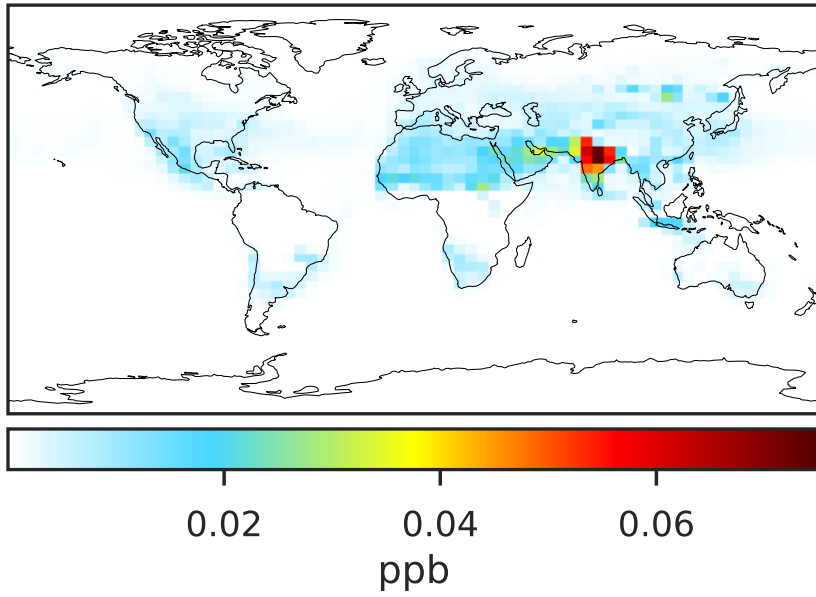
Ratio
Dev/Ref, Fixed Range



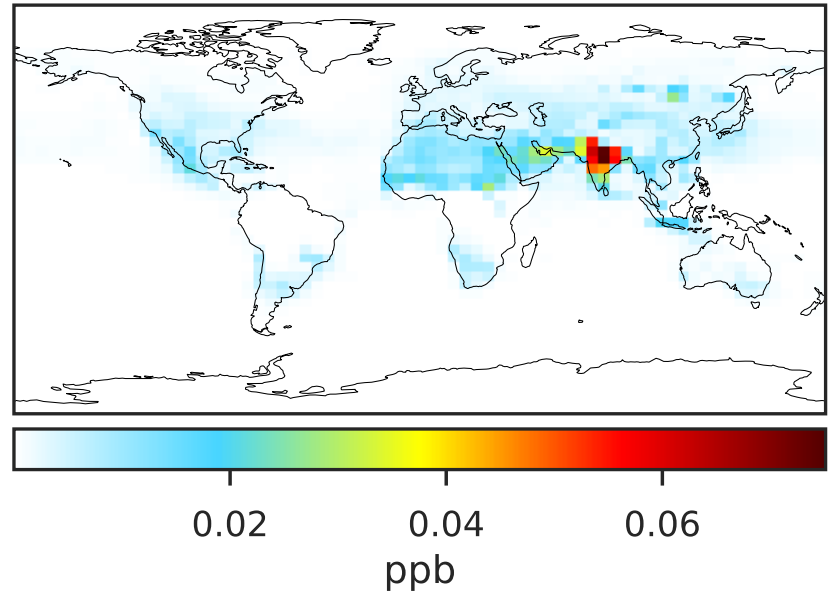
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVW_NO3 (Apr2019)

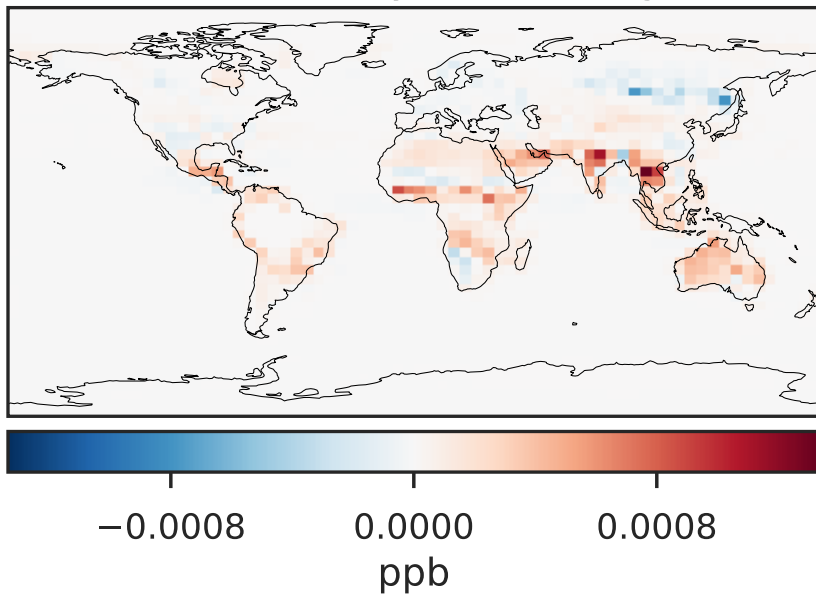
14.2.0-rc.2 (Ref)
4.0x5.0



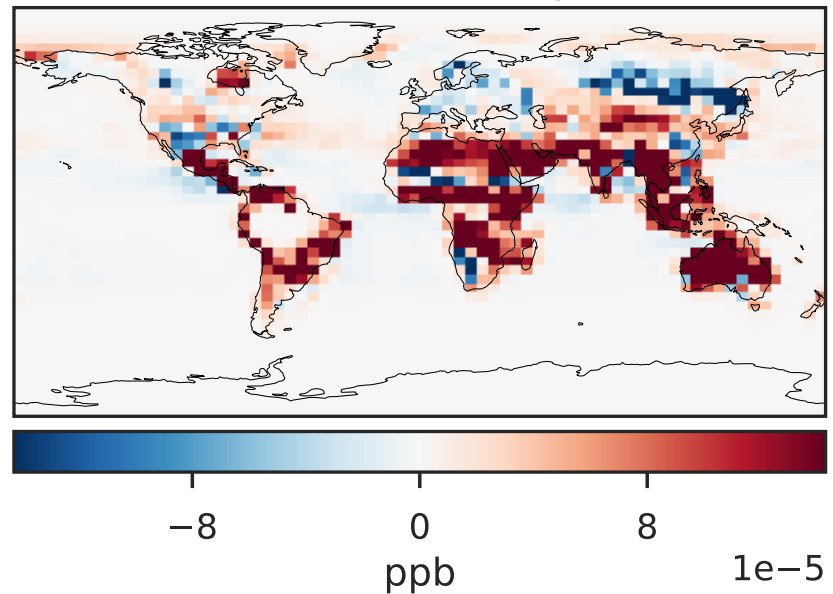
14.3.0-rc.0 (Dev)
4.0x5.0



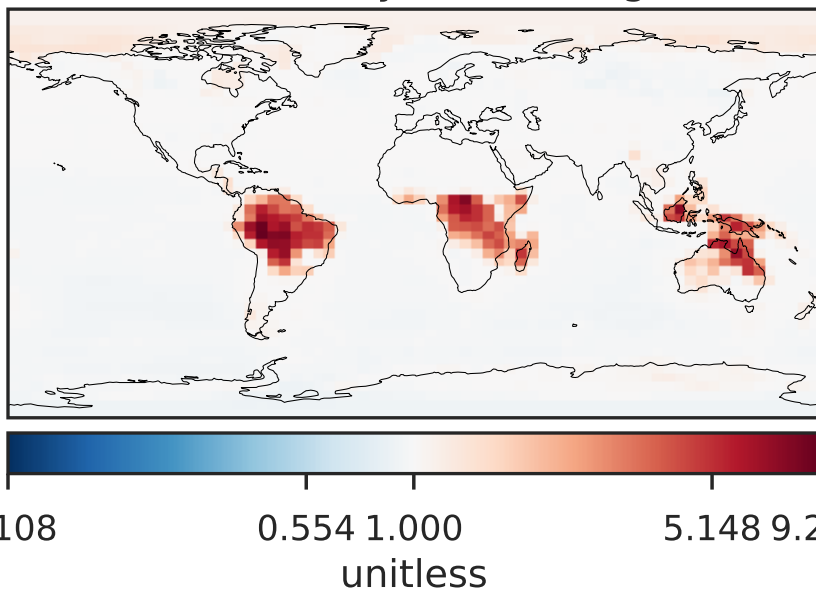
Difference
Dev - Ref, Dynamic Range



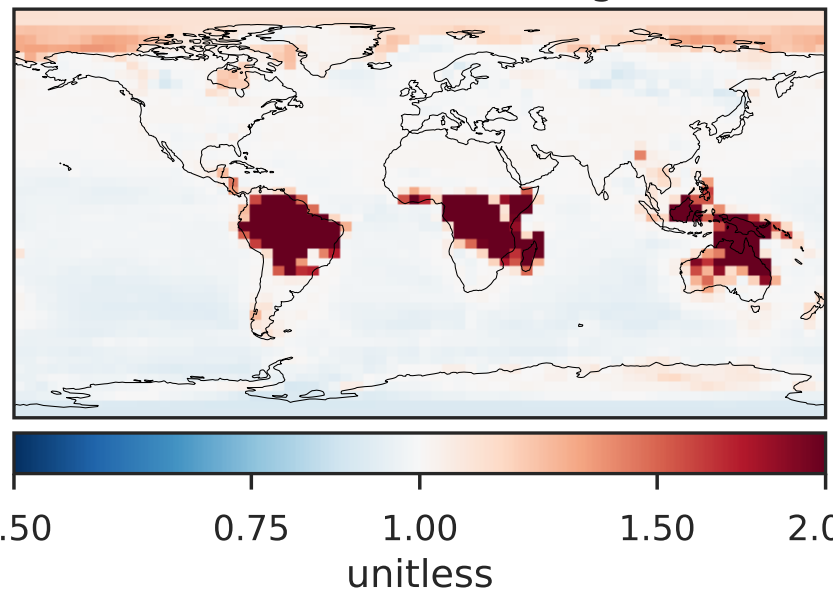
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

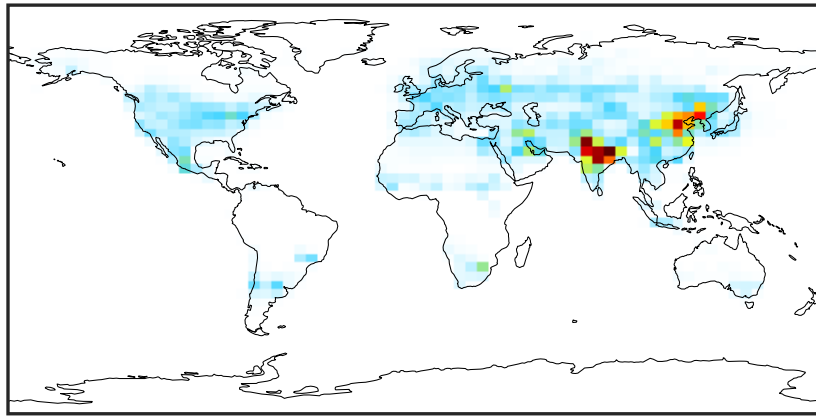


Ratio
Dev/Ref, Fixed Range



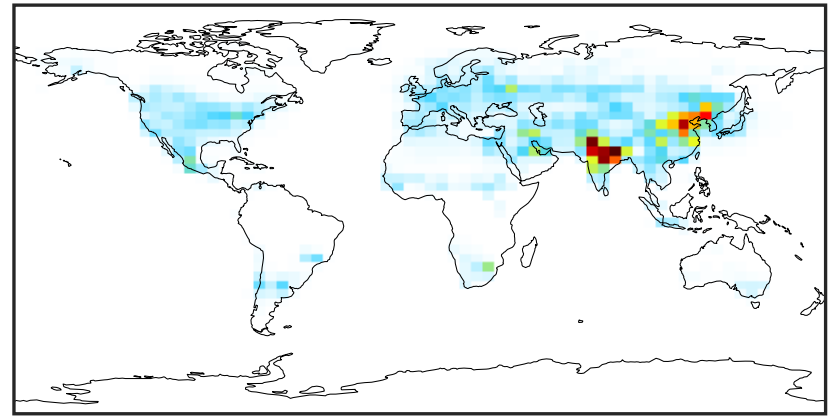
SpeciesConcVV_N2O5 (Apr2019)

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



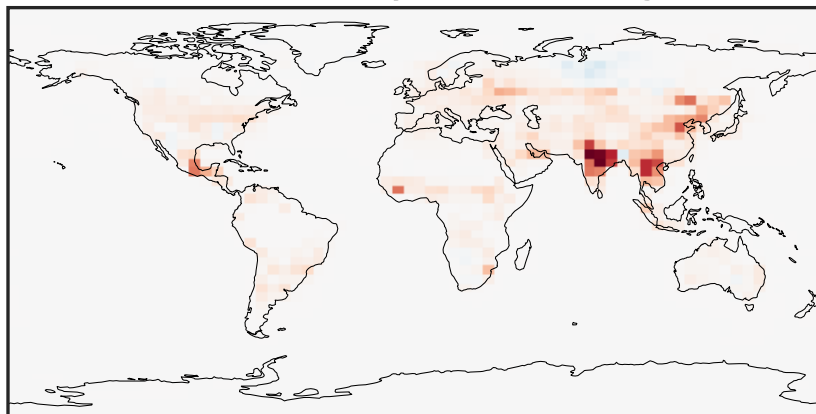
0.0000 0.0596 0.1193 0.1789 0.2385
ppb

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



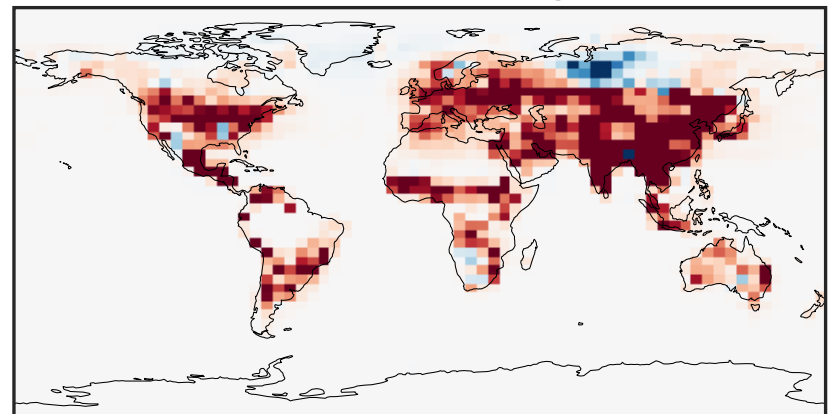
0.0000 0.0596 0.1193 0.1789 0.2385
ppb

Difference
Dev - Ref, Dynamic Range



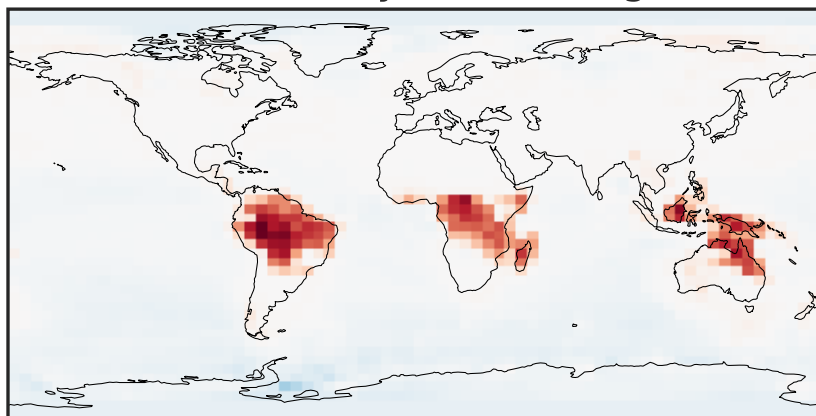
-0.0025 0.0000 0.0025
ppb

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



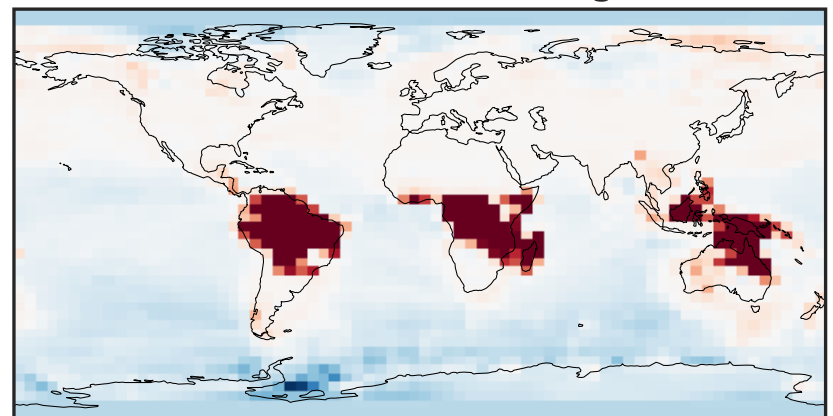
-0.0002 0.0000 0.0002
ppb

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

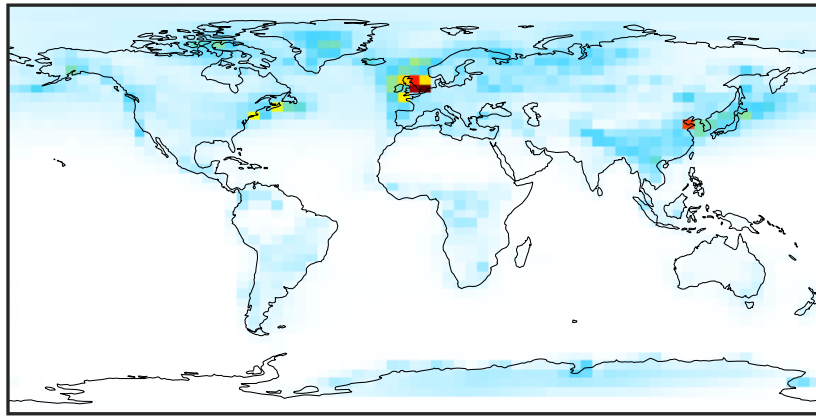
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

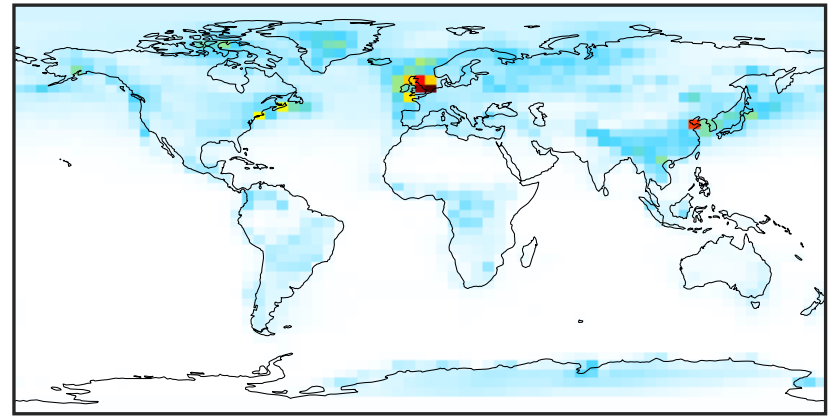
SpeciesConcVV_MPN (Apr2019)

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



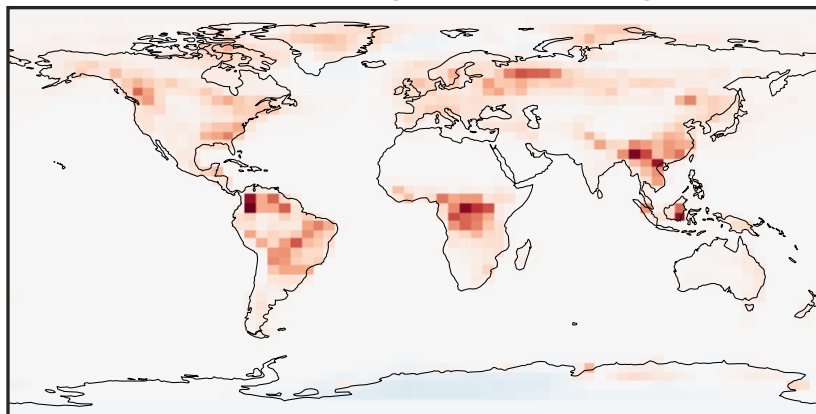
0.001 0.002 0.003
ppb

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



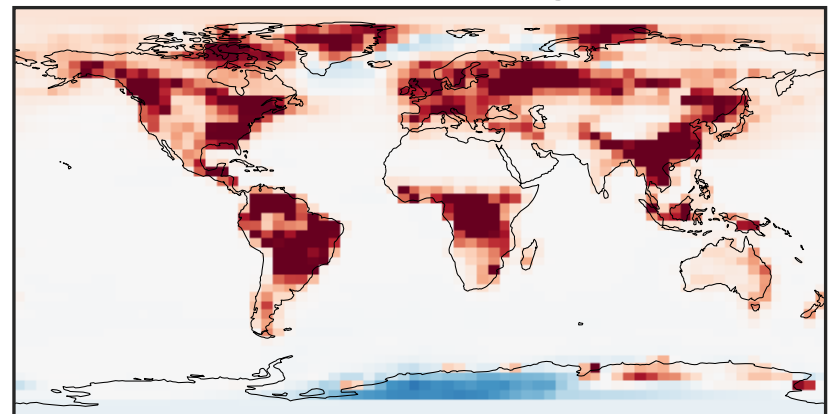
0.001 0.002 0.003
ppb

Difference
Dev - Ref, Dynamic Range



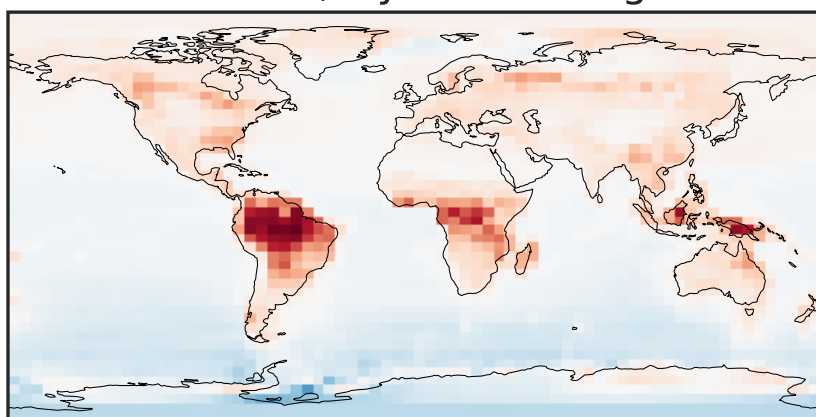
-0.00015 0.00000 0.00015
ppb

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



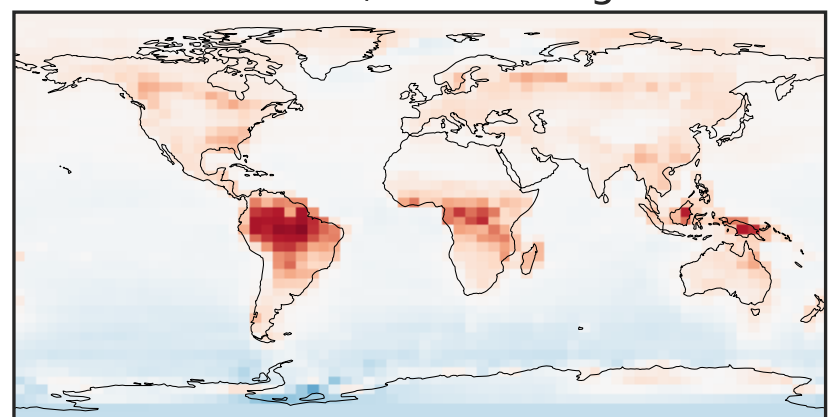
-2.5 0.0 2.5
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.536 0.768 1.000 1.433 1.866
unitless

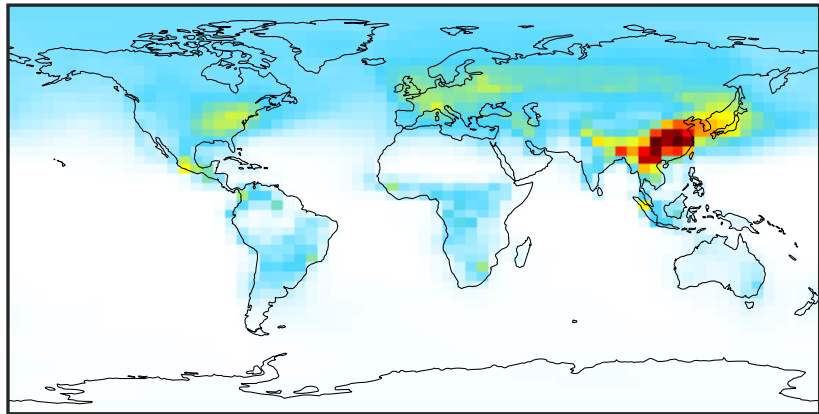
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

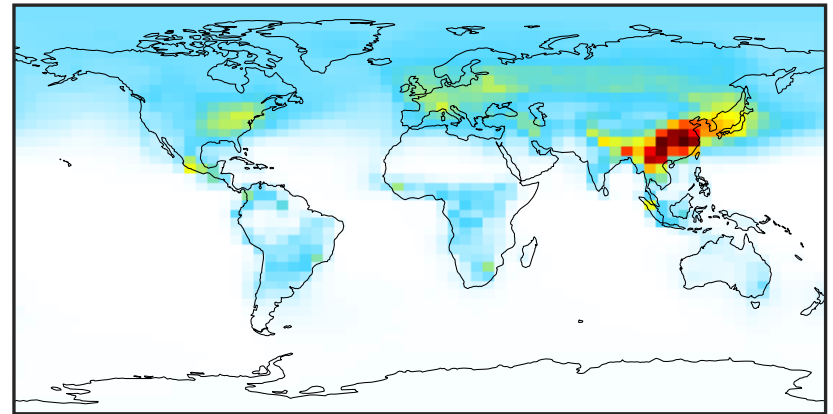
SpeciesConcVV_PAN (Apr2019)

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



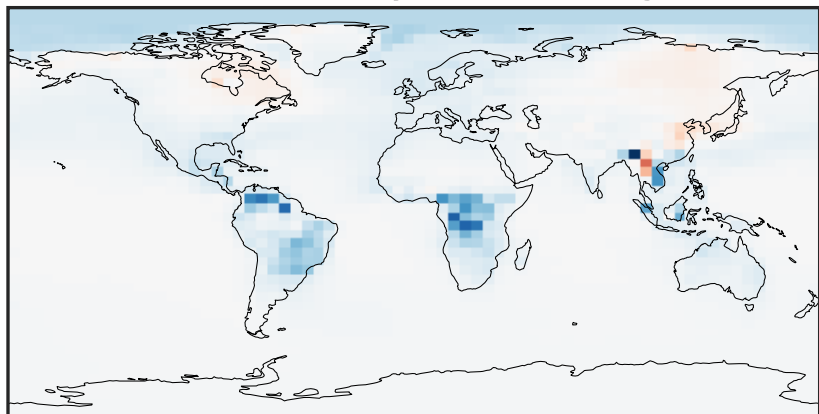
0.000 0.263 0.525 0.788 1.051
ppb

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



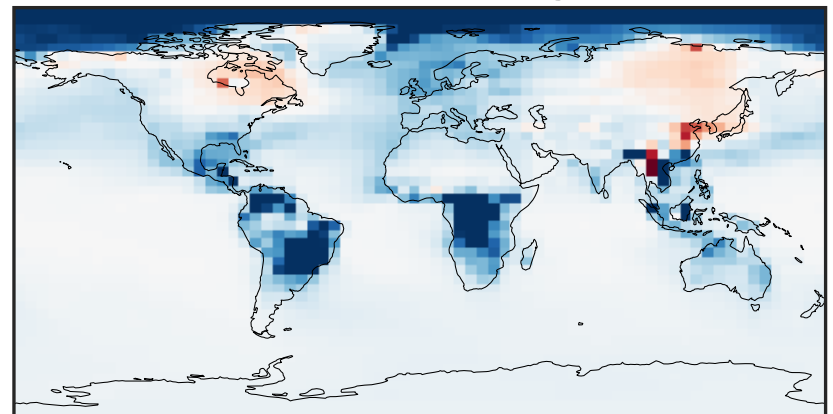
0.000 0.263 0.525 0.788 1.051
ppb

Difference
Dev - Ref, Dynamic Range



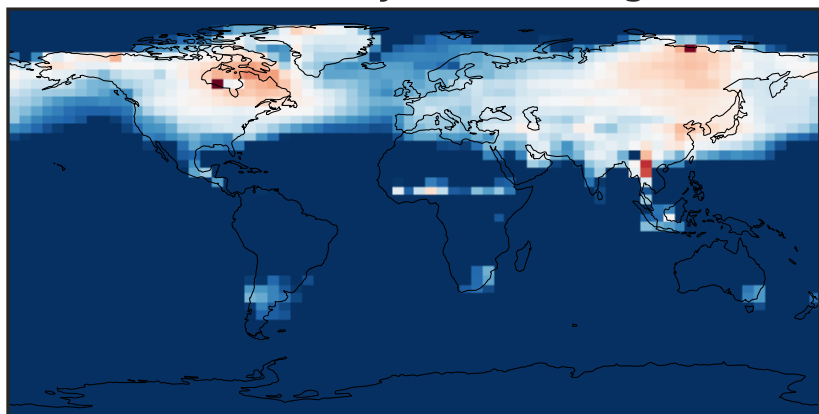
-0.02 0.00 0.02
ppb

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



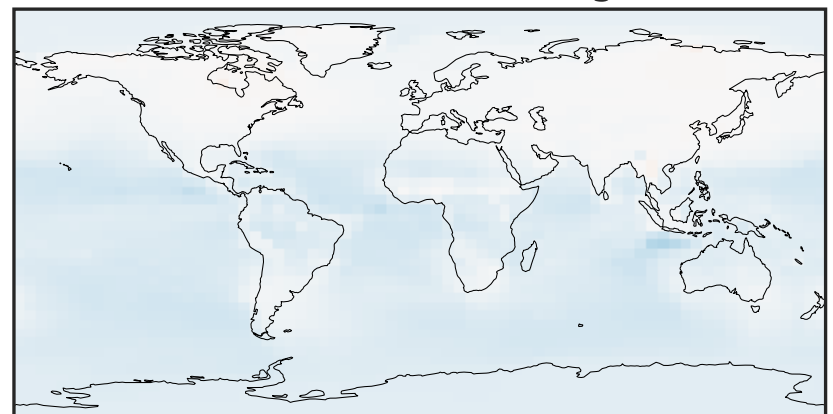
-0.006 0.000 0.006
ppb

Ratio
Dev/Ref, Dynamic Range



0.96736 0.98368 1.00000 1.01687 1.03374
unitless

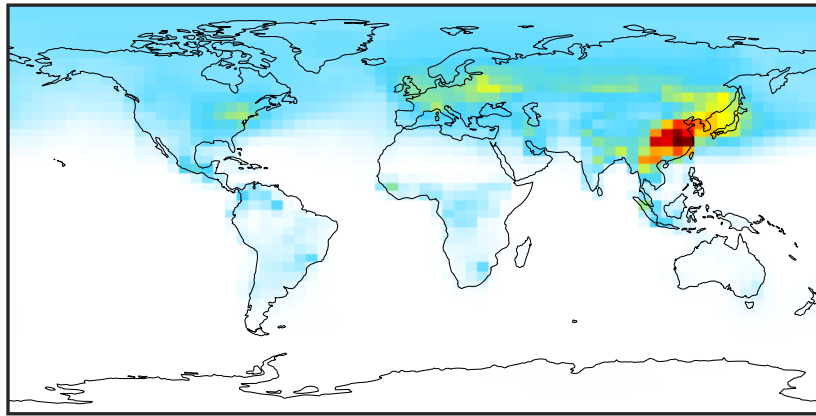
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

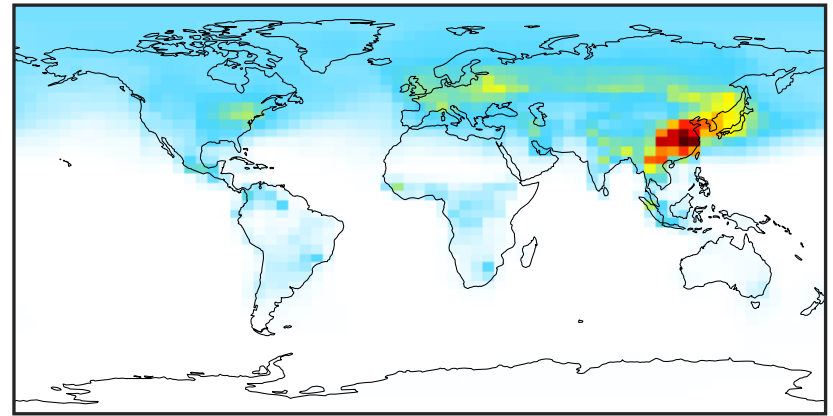
SpeciesConcVV_PPN (Apr2019)

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



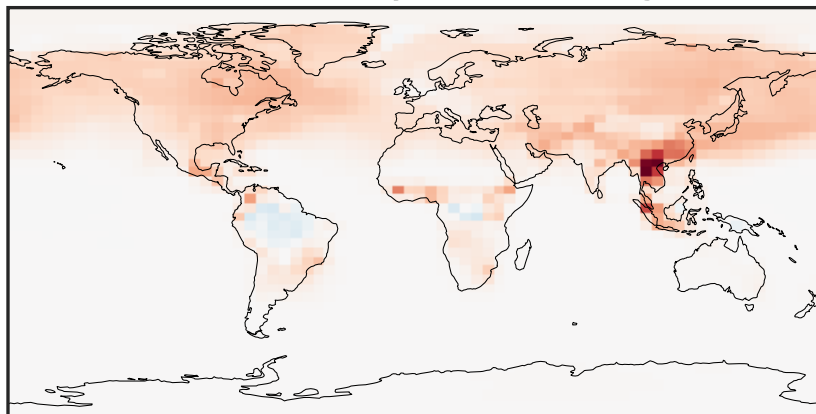
0.0000 0.0648 0.1297 0.1945 0.2593
ppb

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



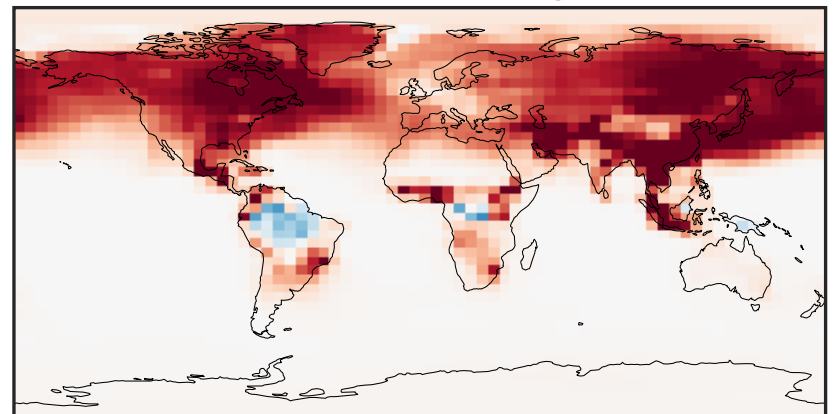
0.0000 0.0648 0.1297 0.1945 0.2593
ppb

Difference
Dev - Ref, Dynamic Range



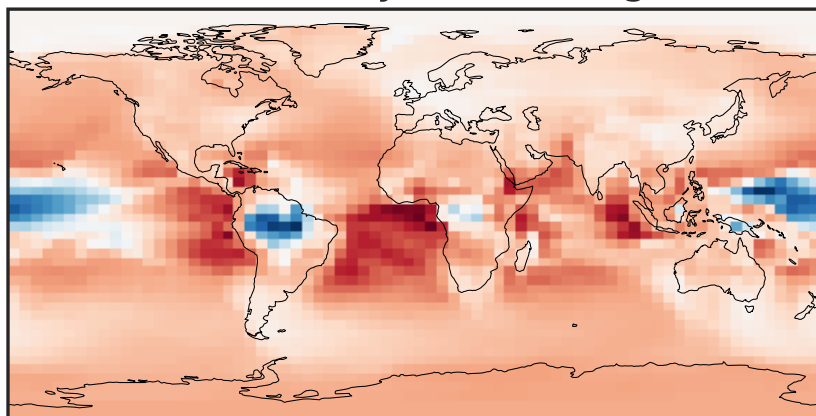
-0.008 0.000 0.008
ppb

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



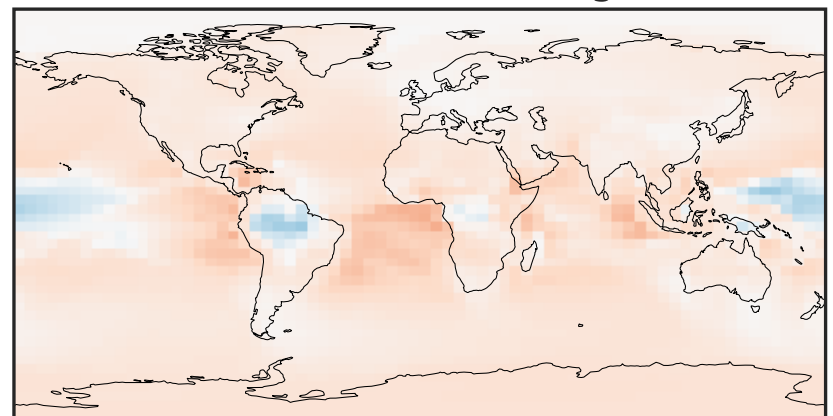
-0.002 0.000 0.002
ppb

Ratio
Dev/Ref, Dynamic Range



0.7766 0.8883 1.0000 1.1439 1.2877
unitless

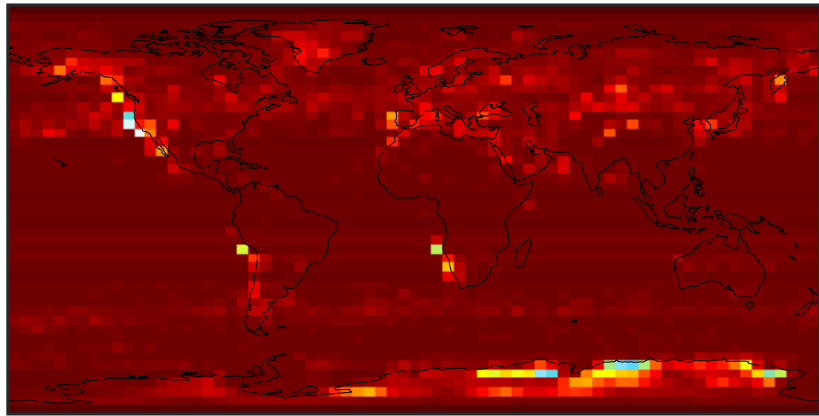
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

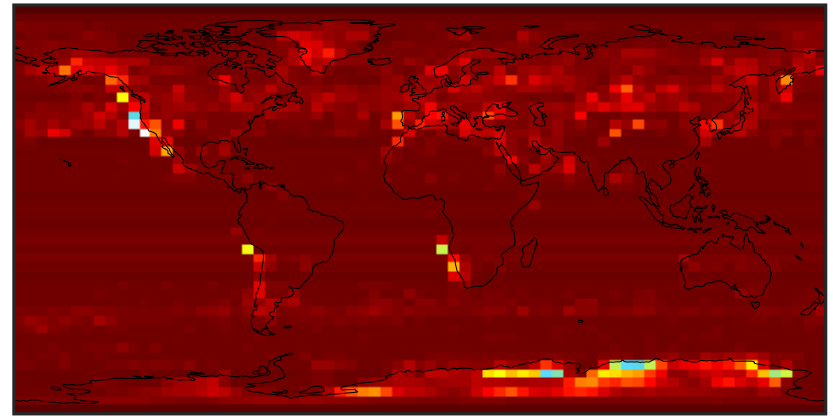
SpeciesConcVW_N2O (Apr2019)

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



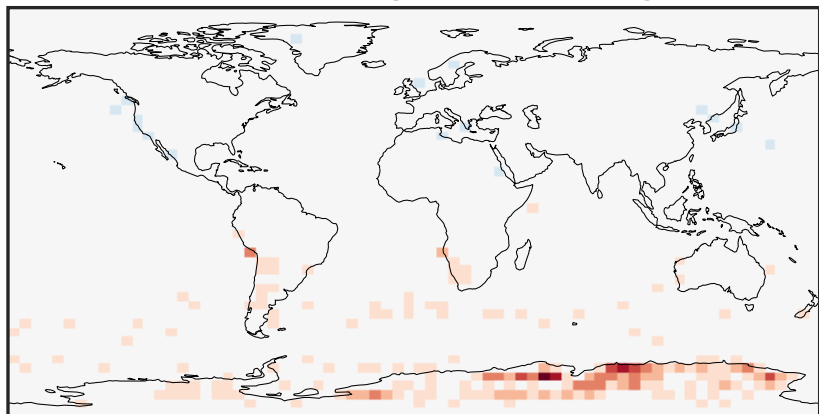
0.0080 0.0088 0.0096
ppb +3.3014e2

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



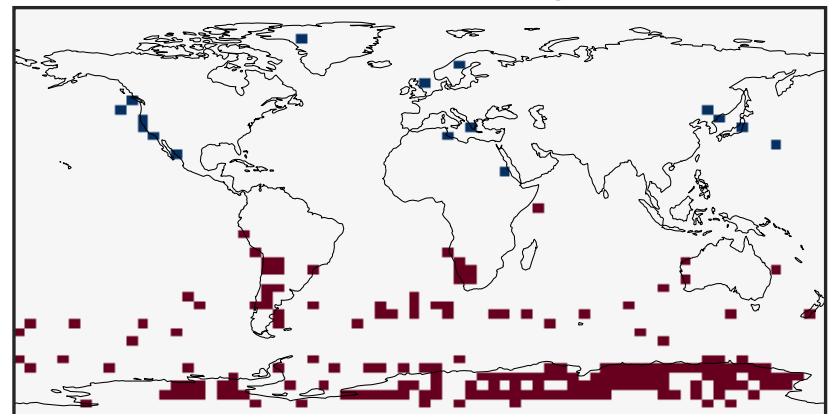
0.0080 0.0088 0.0096
ppb +3.3014e2

Difference
Dev - Ref, Dynamic Range



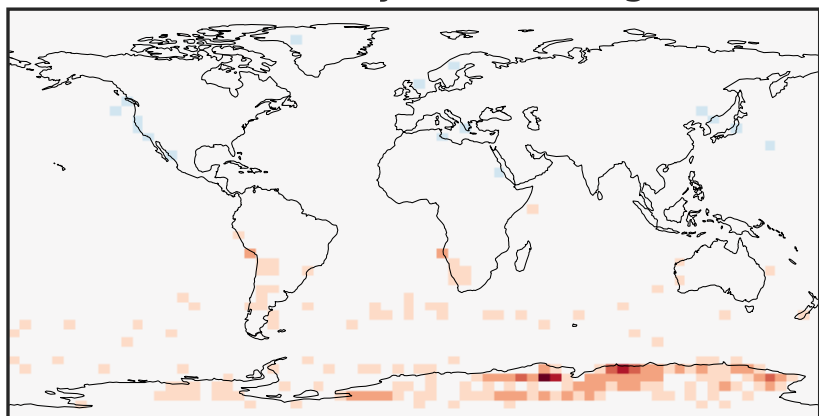
-0.0001 0.0000 0.0001
ppb

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



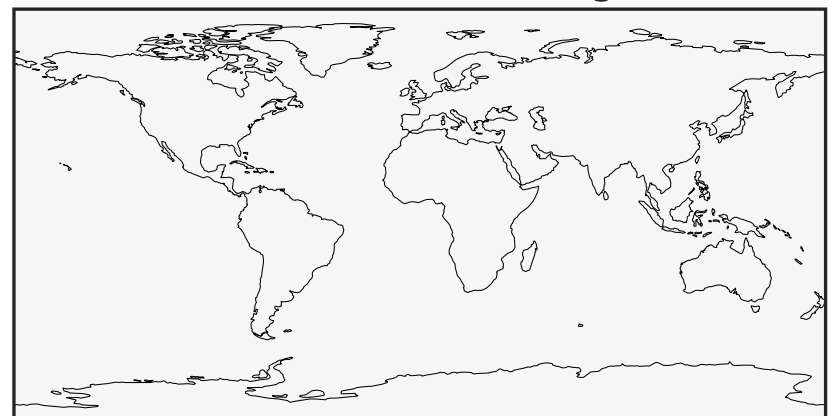
-2 0 2
ppb 1e-5

Ratio
Dev/Ref, Dynamic Range



0.999999404 1.000000000 1.000000596
unitless

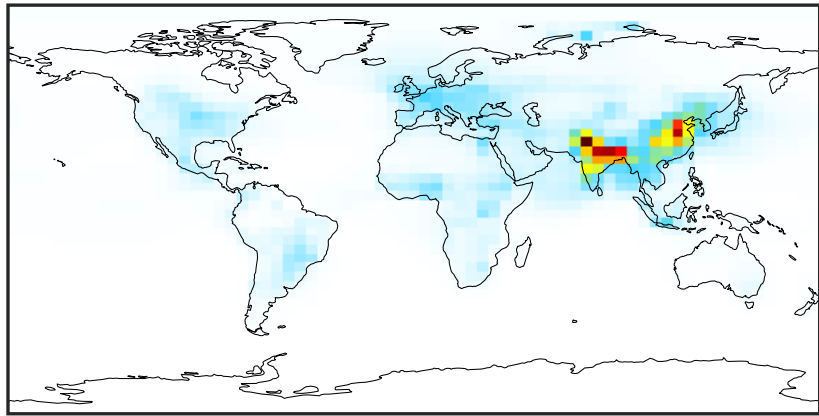
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

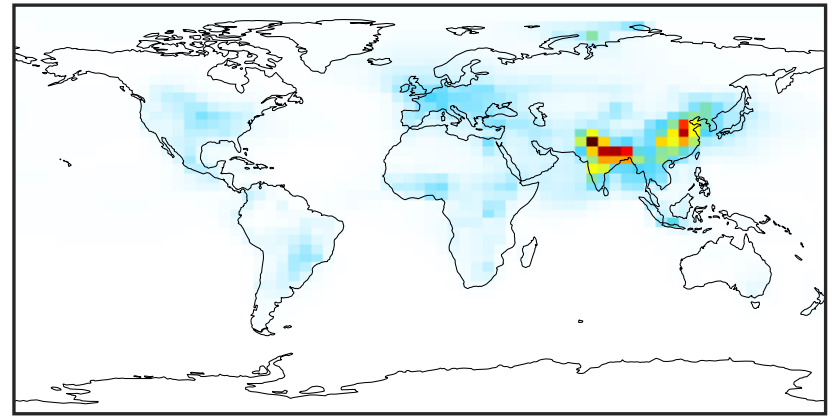
SpeciesConcVV_NHx (Apr2019)

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



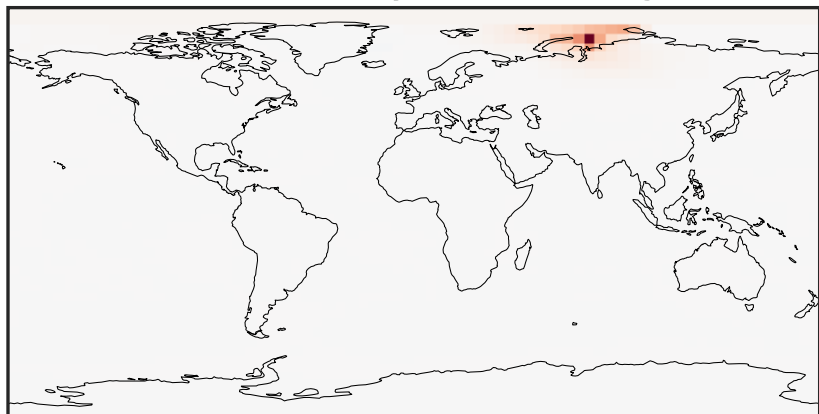
0.00 11.26 22.52 33.78 45.03
ppb

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



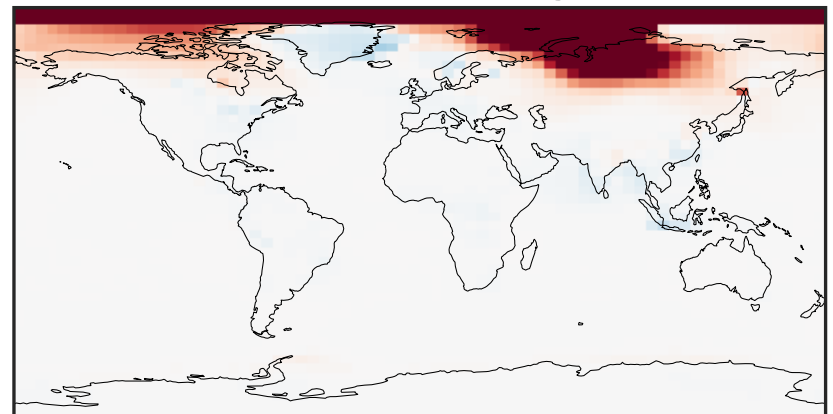
0.00 11.26 22.52 33.78 45.03
ppb

Difference
Dev - Ref, Dynamic Range



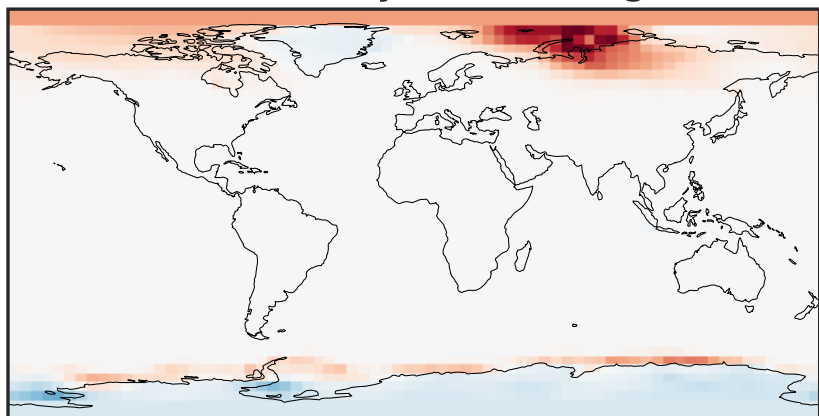
-4.447 -2.224 0.000 2.224 4.447
ppb

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



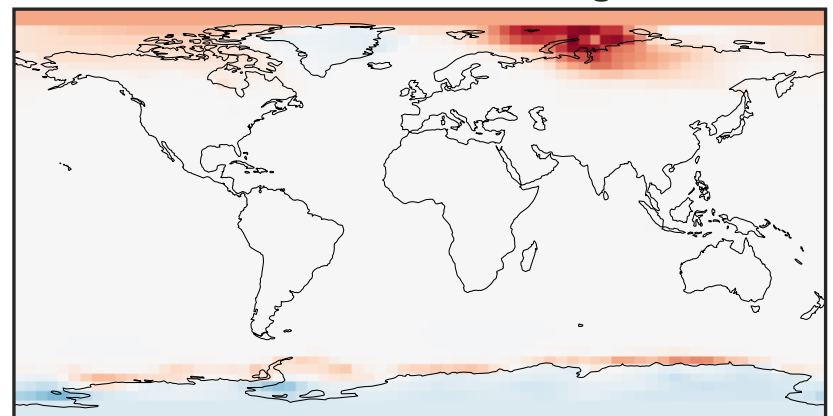
-0.116 -0.058 0.000 0.058 0.116
ppb

Ratio
Dev/Ref, Dynamic Range



0.527 0.764 1.000 1.448 1.896
unitless

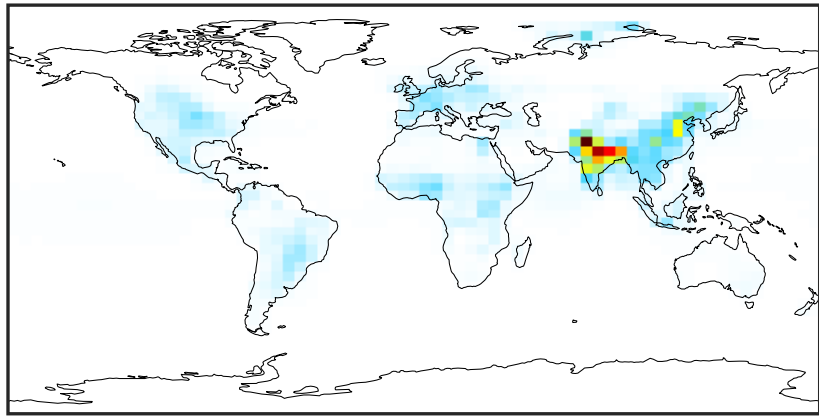
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

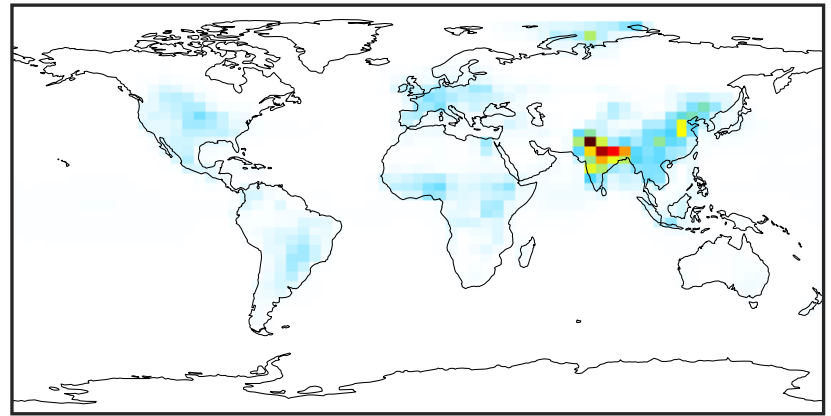
SpeciesConcVV_NH3 (Apr2019)

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



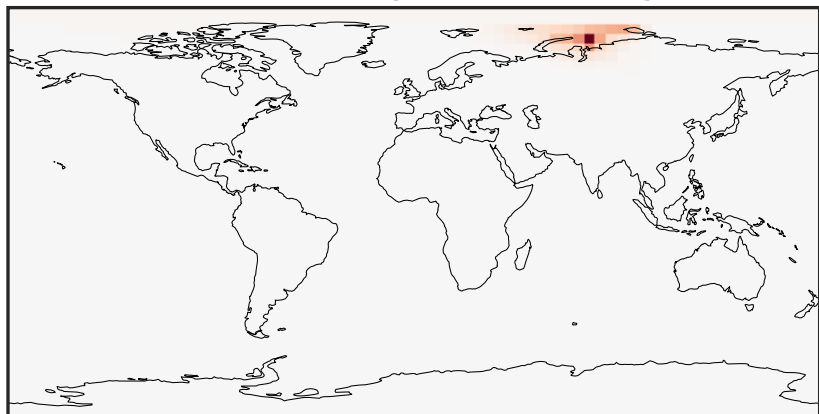
0.00 9.22 18.45 27.67 36.89
ppb

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



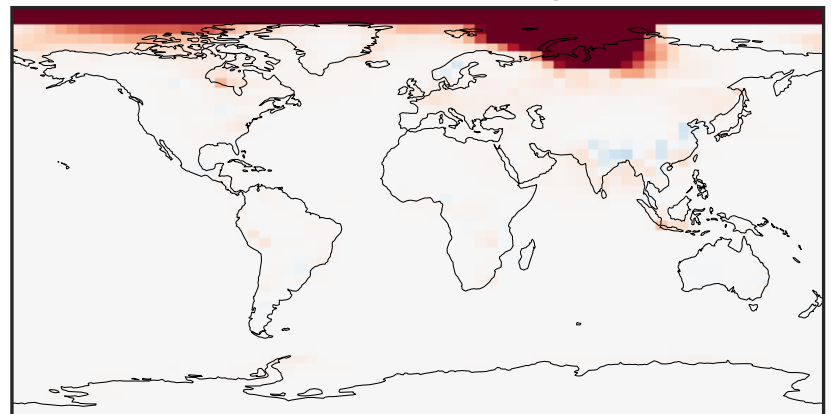
0.00 9.22 18.45 27.67 36.89
ppb

Difference
Dev - Ref, Dynamic Range



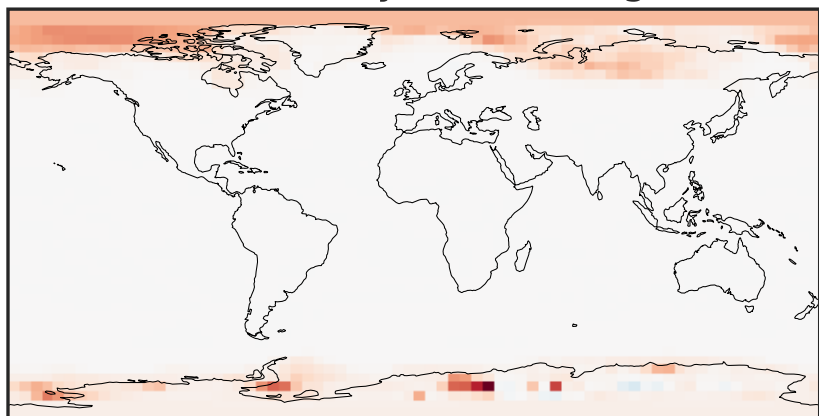
-4.433 -2.217 0.000 2.217 4.433
ppb

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



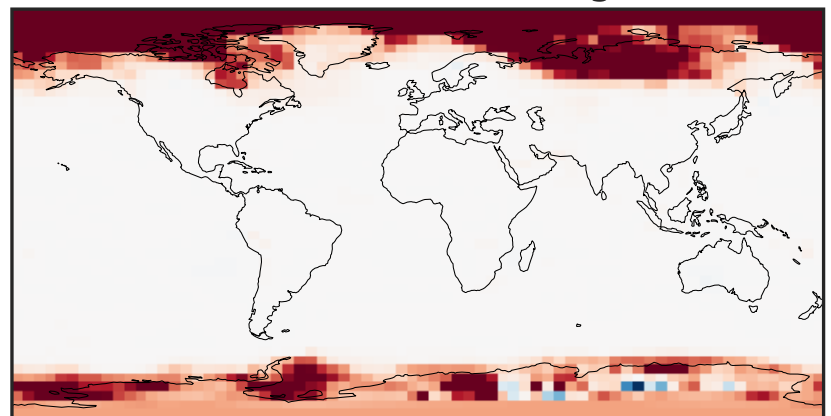
-0.0886 -0.0443 0.0000 0.0443 0.0886
ppb

Ratio
Dev/Ref, Dynamic Range



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

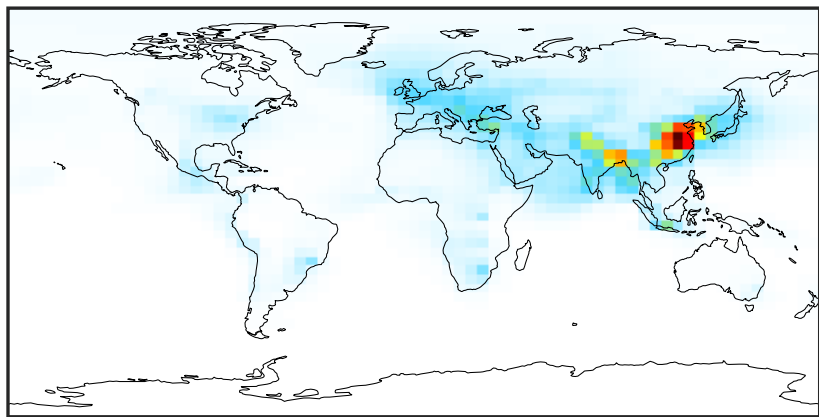
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

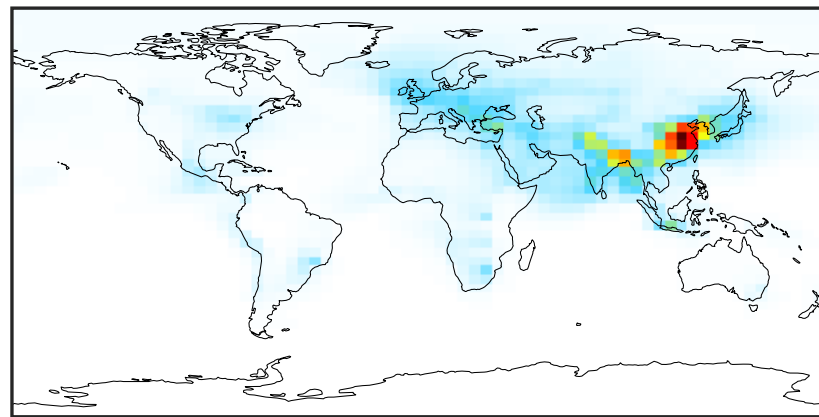
SpeciesConcVV_NH4 (Apr2019)

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



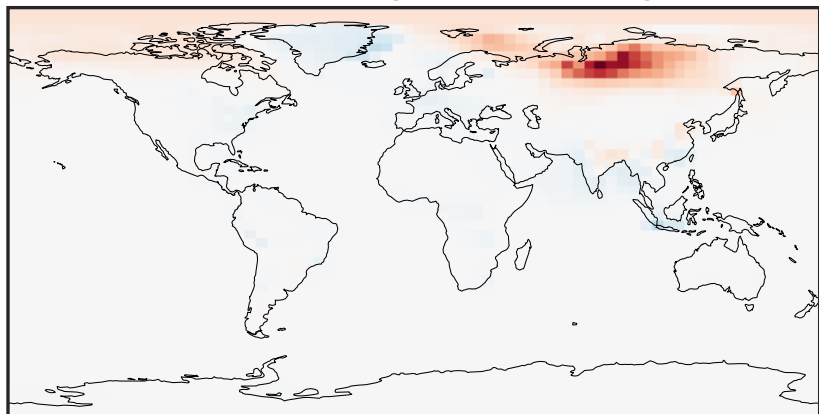
0.00 5.13 10.26 15.39 20.52
ppb

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



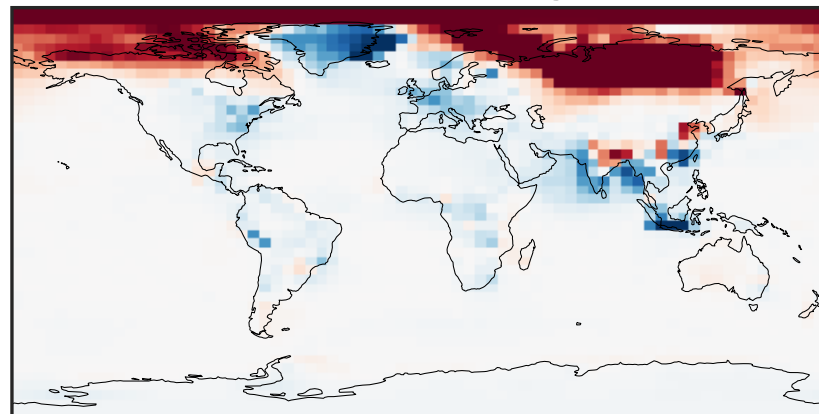
0.00 5.13 10.26 15.39 20.52
ppb

Difference
Dev - Ref, Dynamic Range



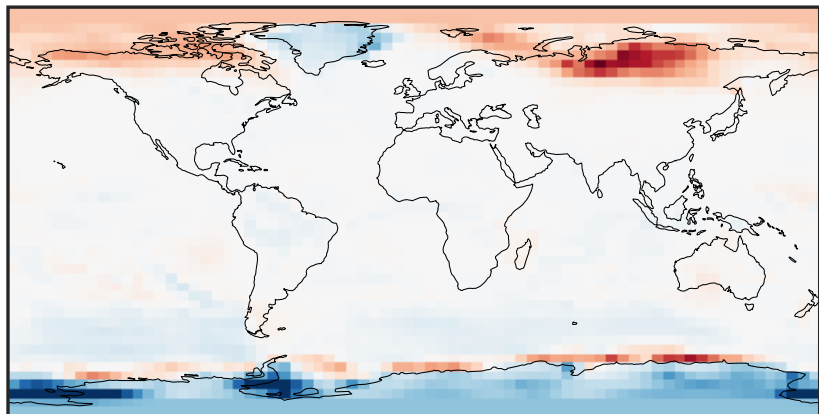
-0.2036 -0.1018 0.0000 0.1018 0.2036
ppb

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



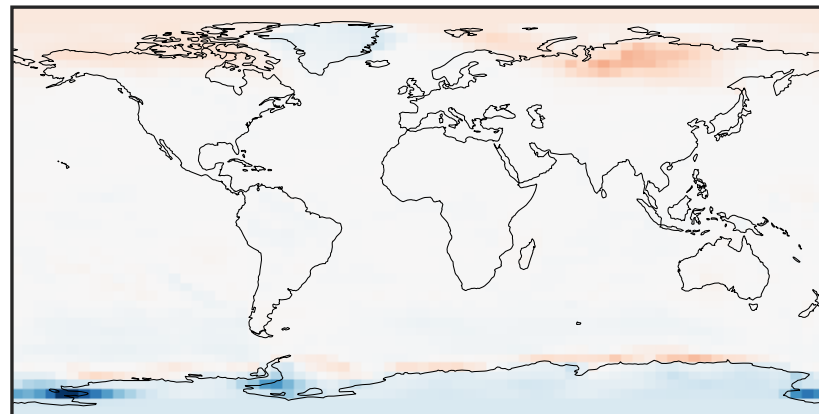
-0.015 0.000 0.015
ppb

Ratio
Dev/Ref, Dynamic Range



0.7723 0.8861 1.0000 1.1474 1.2949
unitless

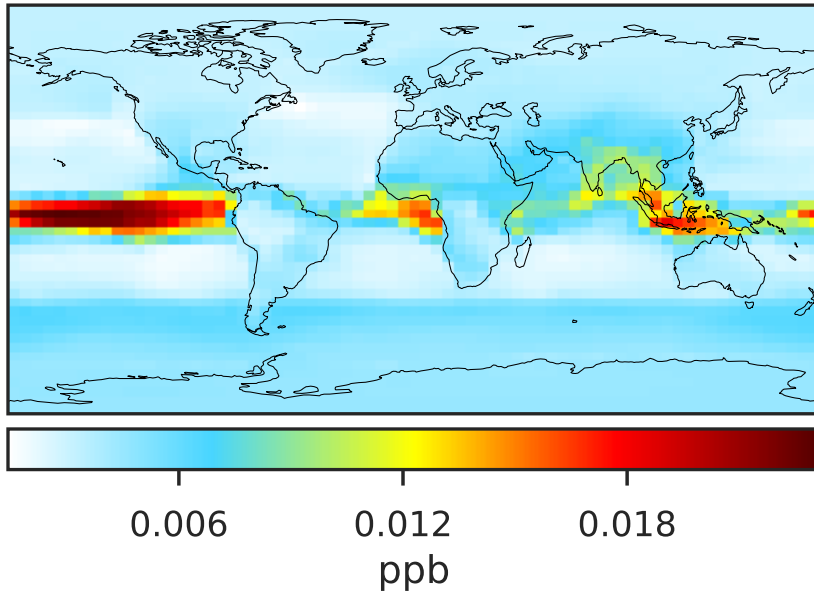
Ratio
Dev/Ref, Fixed Range



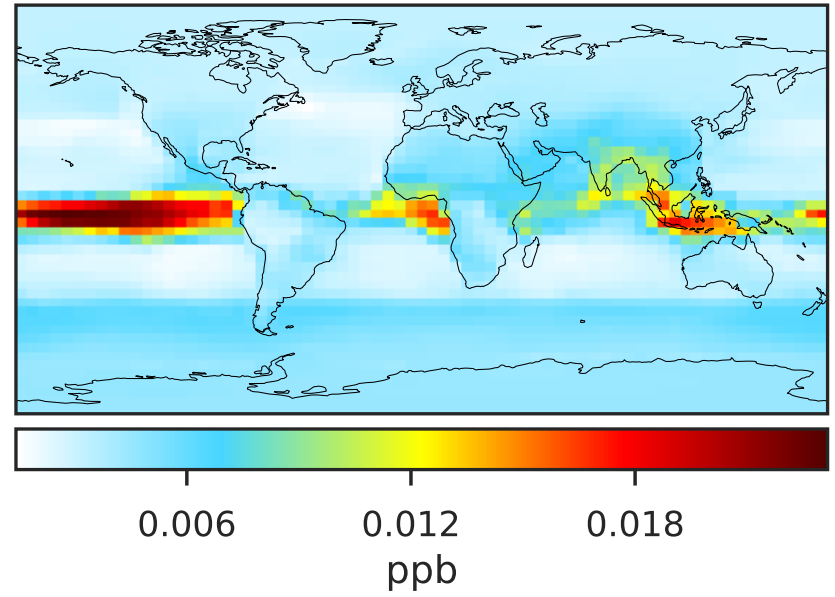
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_MENO3 (Apr2019)

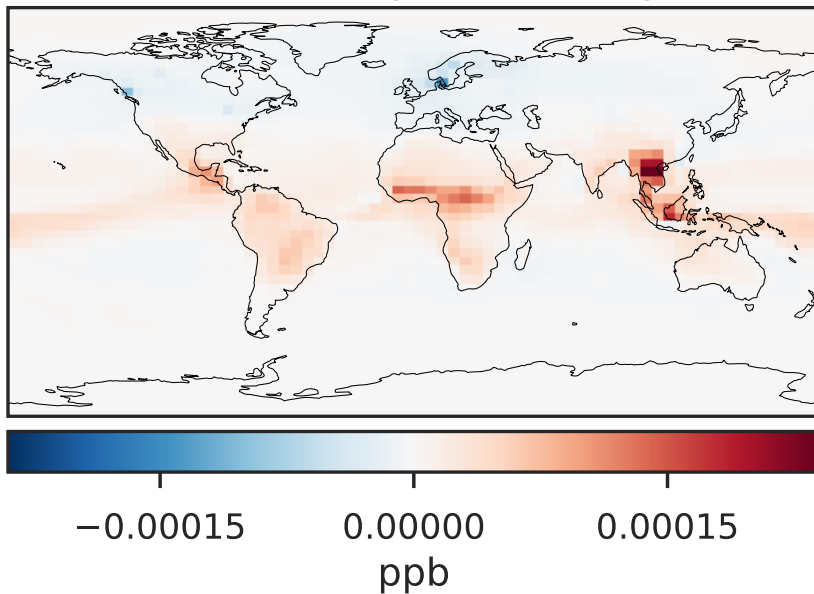
14.2.0-rc.2 (Ref)
4.0x5.0



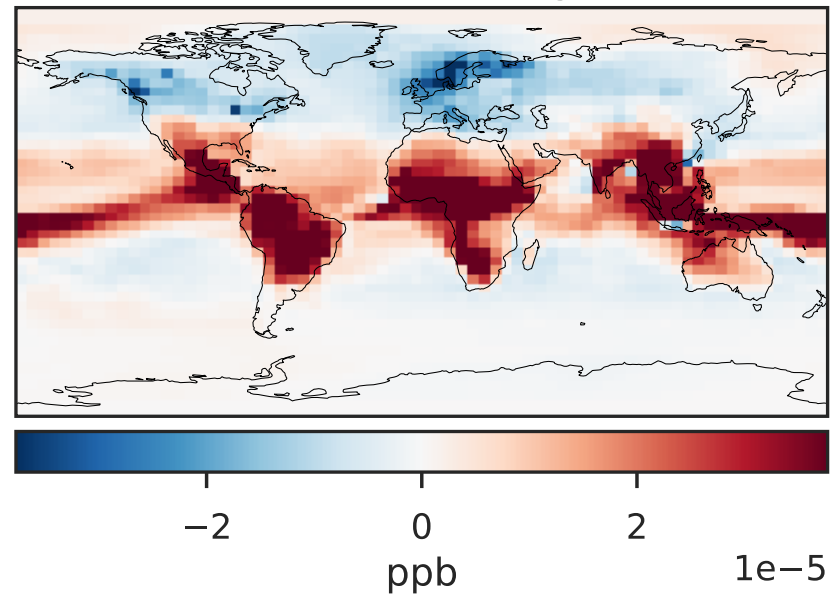
14.3.0-rc.0 (Dev)
4.0x5.0



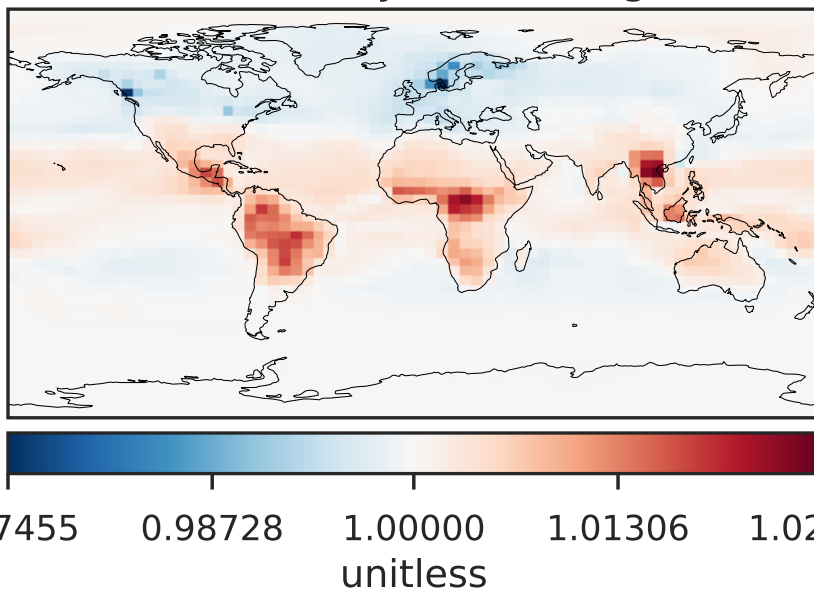
Difference
Dev - Ref, Dynamic Range



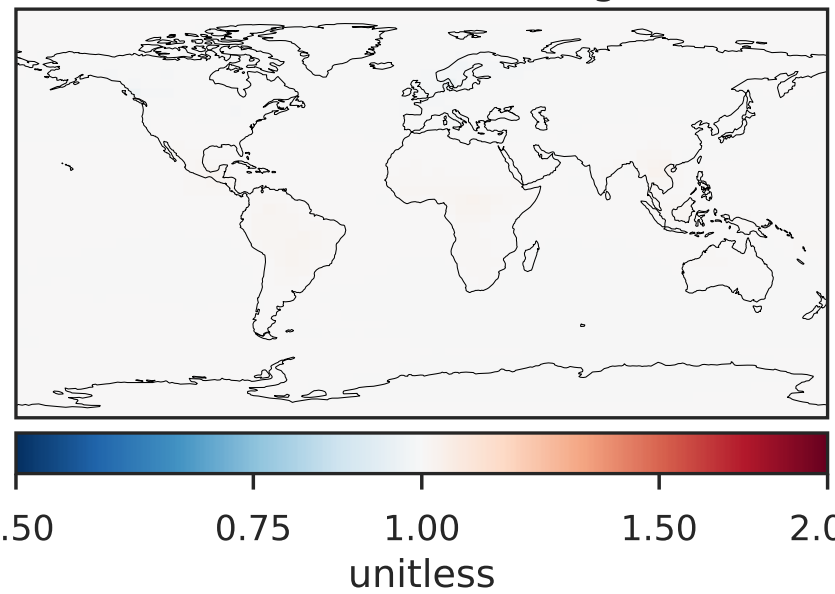
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

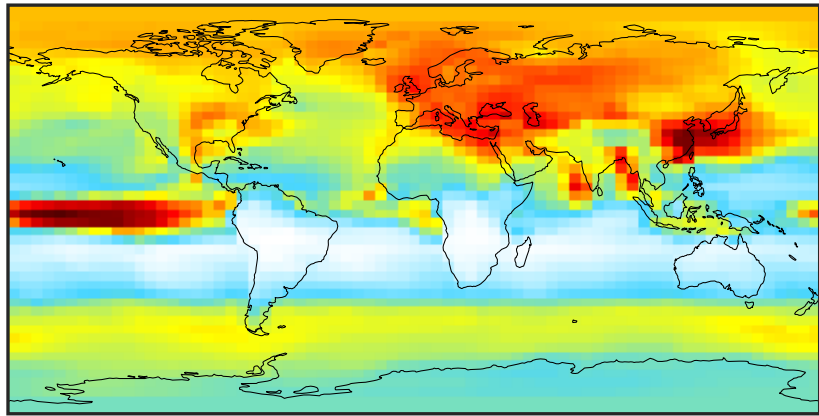


Ratio
Dev/Ref, Fixed Range



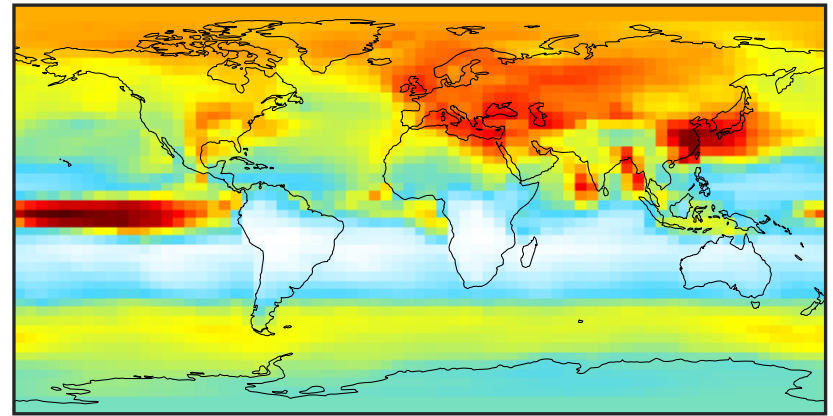
SpeciesConcVV_ETNO3 (Apr2019)

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



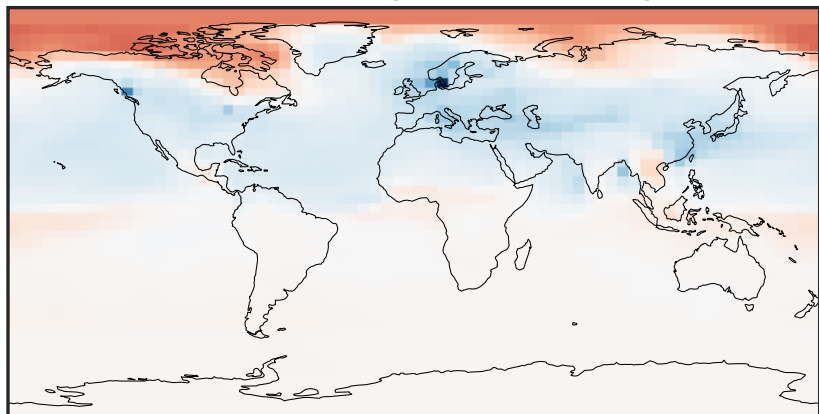
0.002 0.004 0.006 0.008
ppb

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



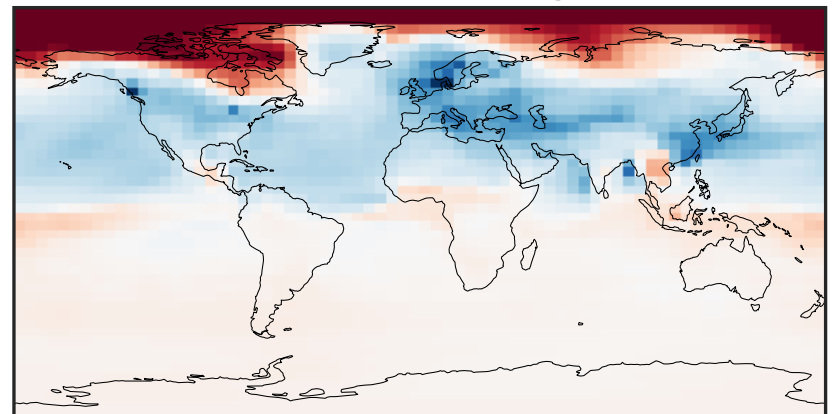
0.002 0.004 0.006 0.008
ppb

Difference
Dev - Ref, Dynamic Range



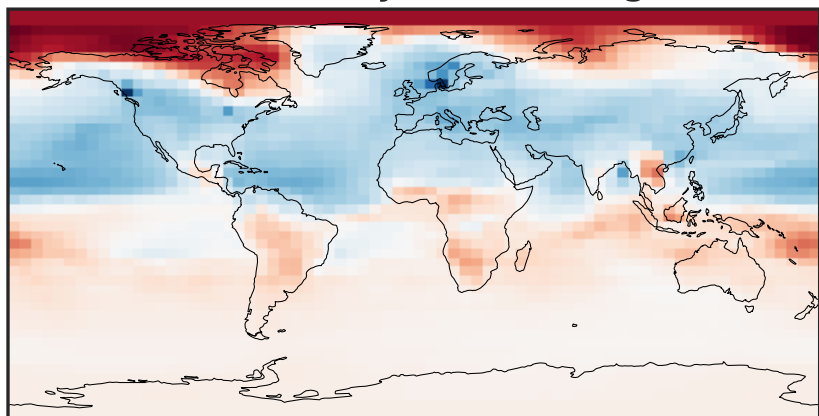
-0.00015 0.00000 0.00015
ppb

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



-6 0 6
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.97284 0.98642 1.00000 1.01396 1.02791
unitless

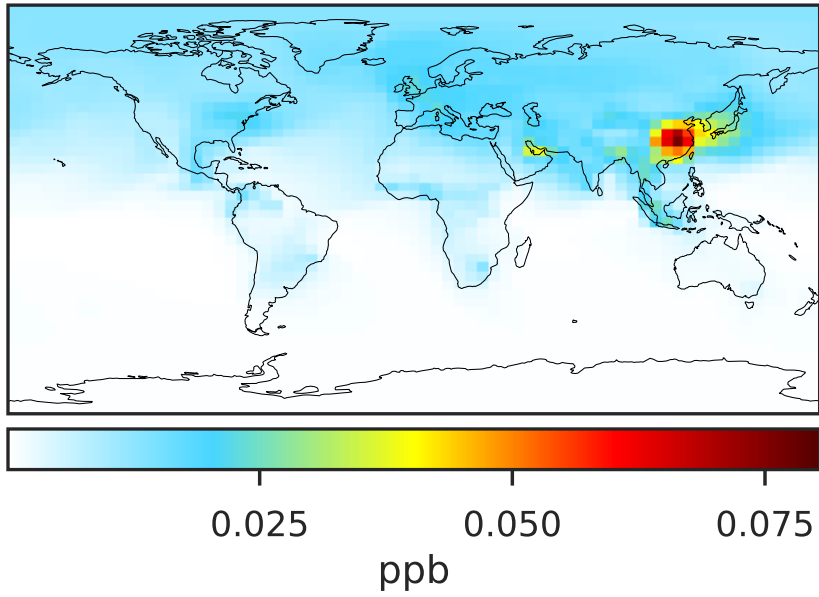
Ratio
Dev/Ref, Fixed Range



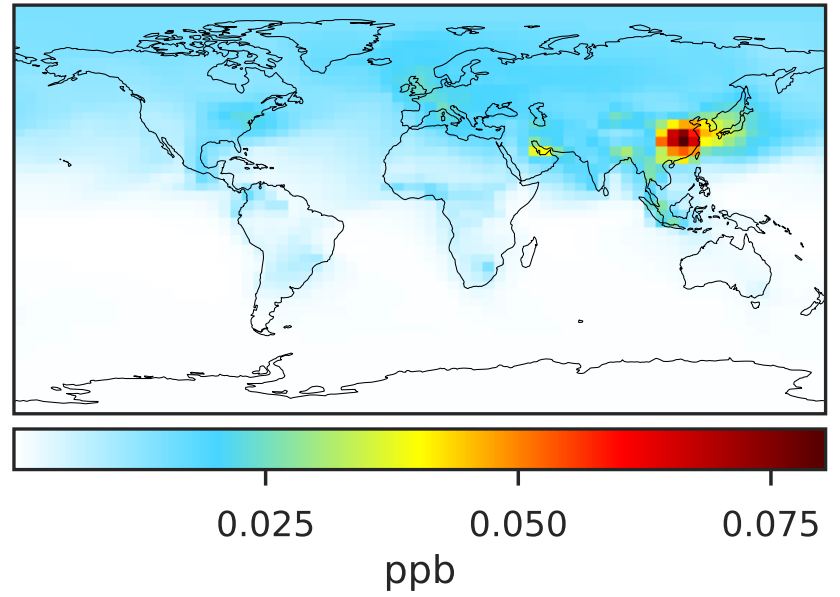
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_IPRNO3 (Apr2019)

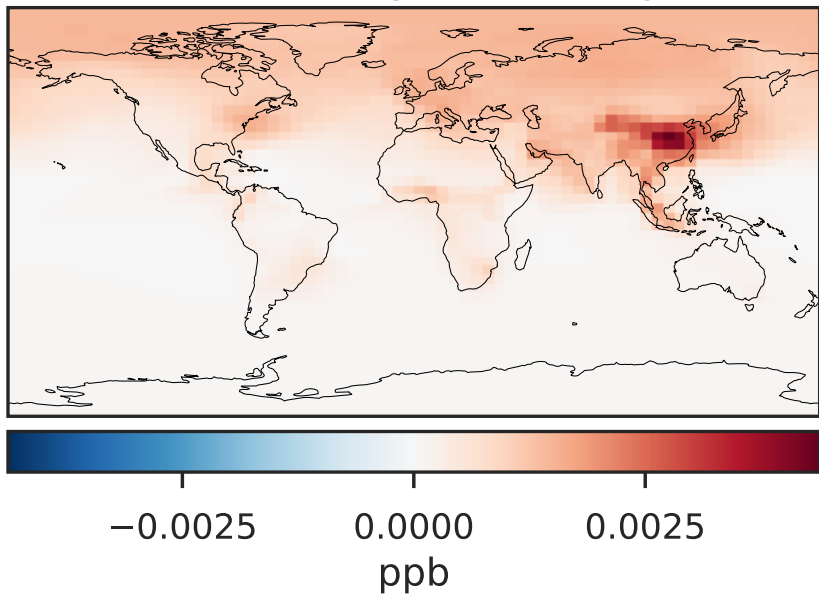
14.2.0-rc.2 (Ref)
4.0x5.0



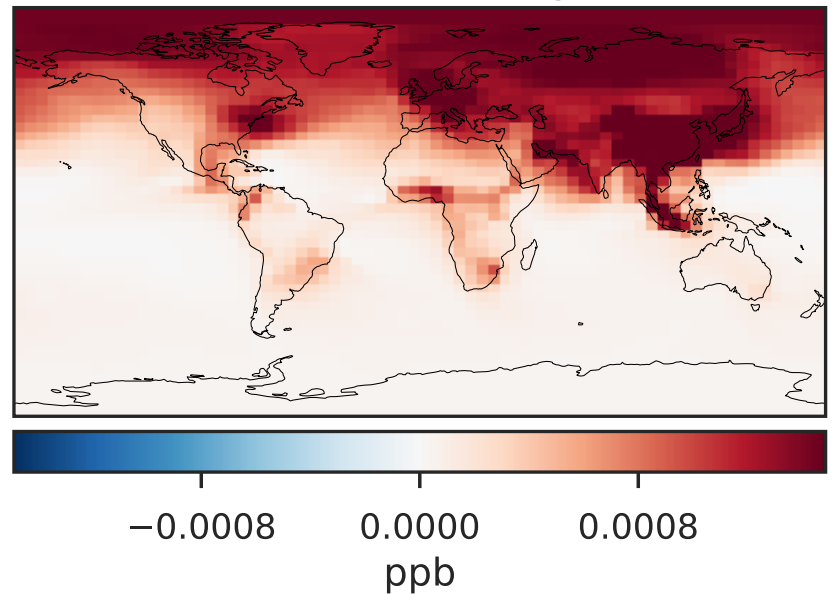
14.3.0-rc.0 (Dev)
4.0x5.0



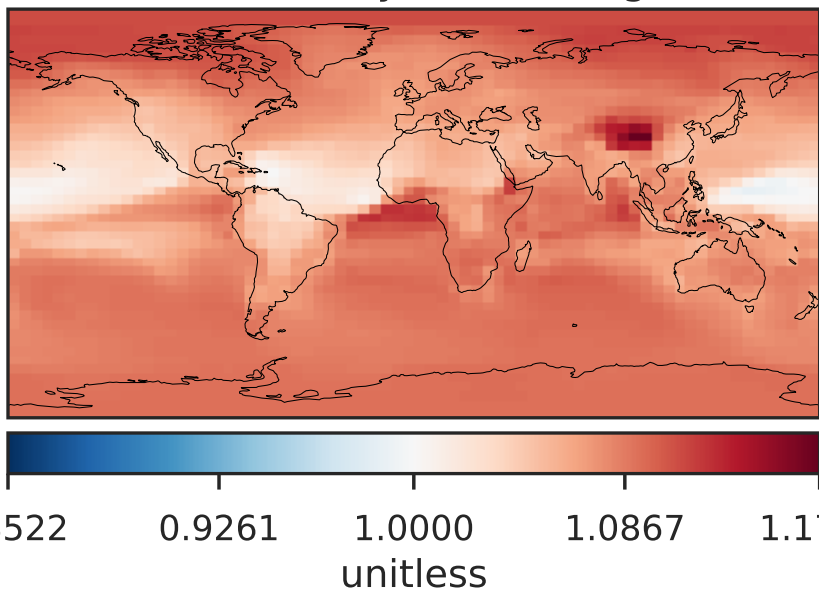
Difference
Dev - Ref, Dynamic Range



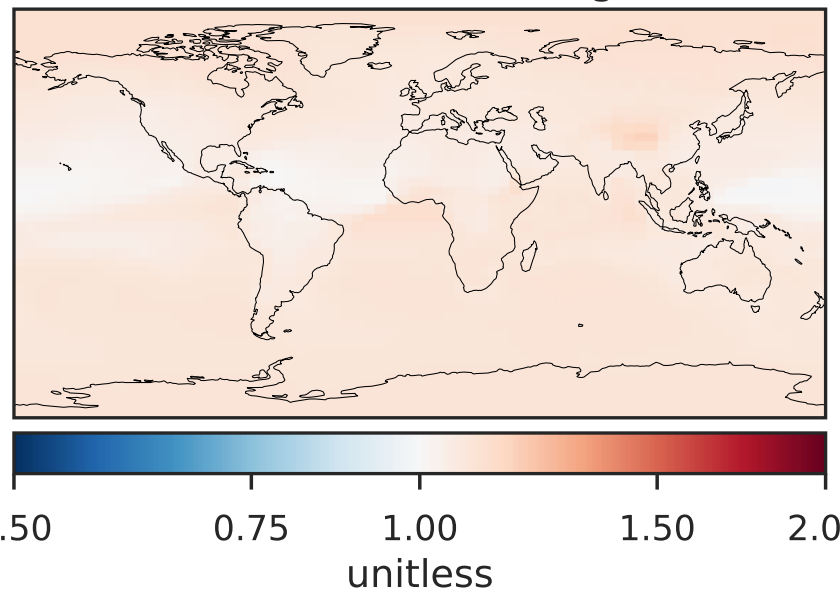
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

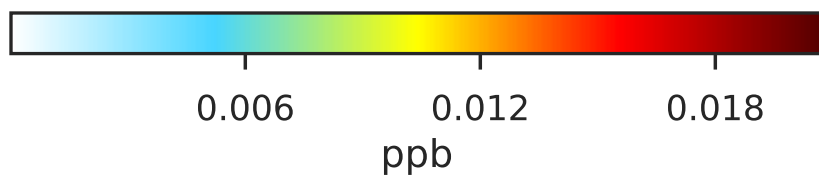
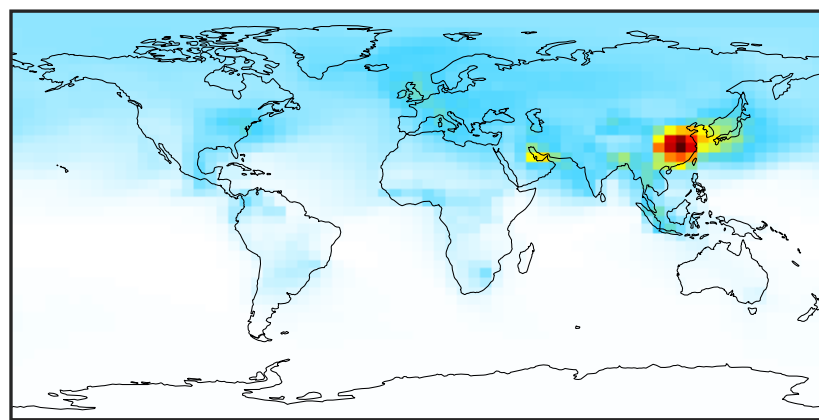


Ratio
Dev/Ref, Fixed Range

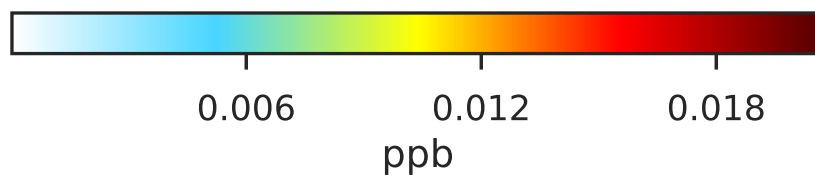
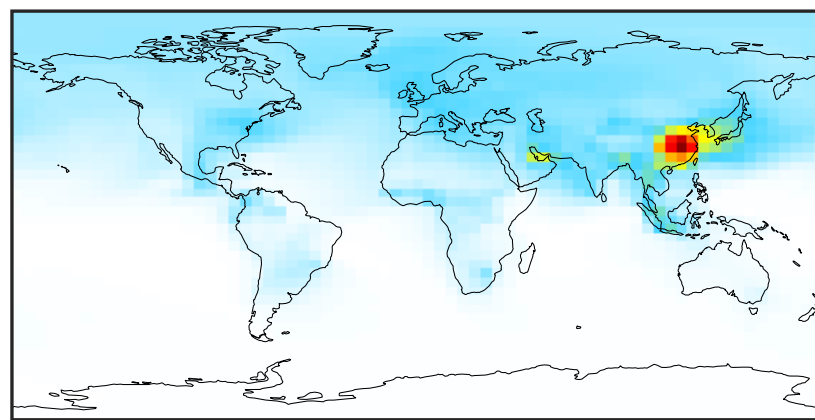


SpeciesConcVV_NPRNO3 (Apr2019)

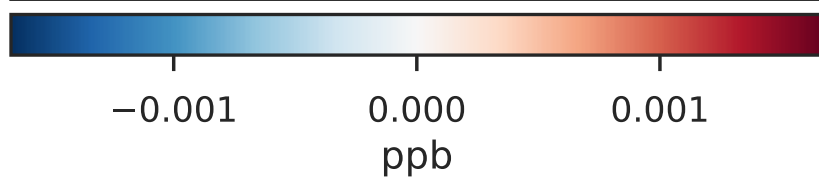
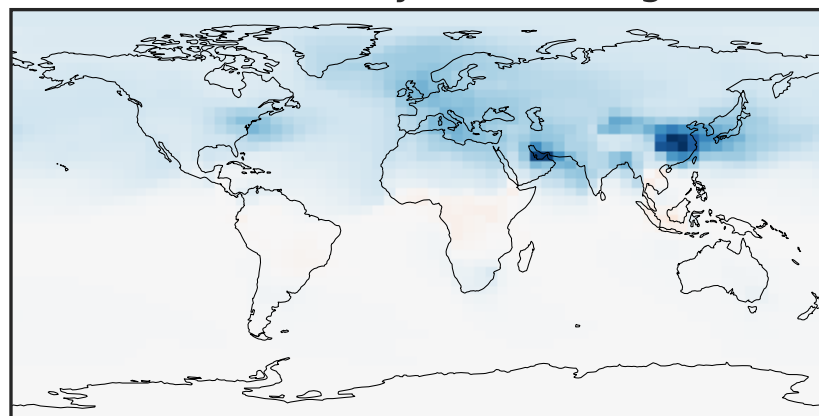
14.2.0-rc.2 (Ref)
4.0x5.0



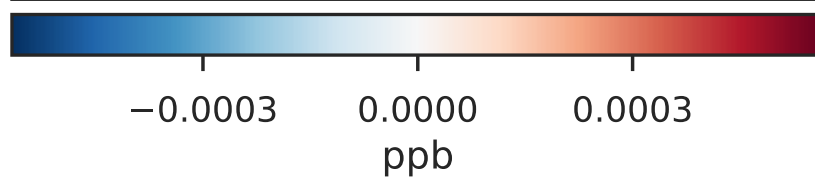
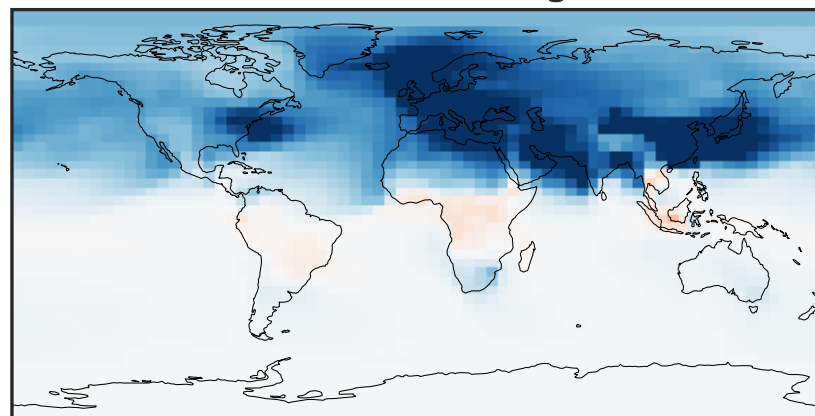
14.3.0-rc.0 (Dev)
4.0x5.0



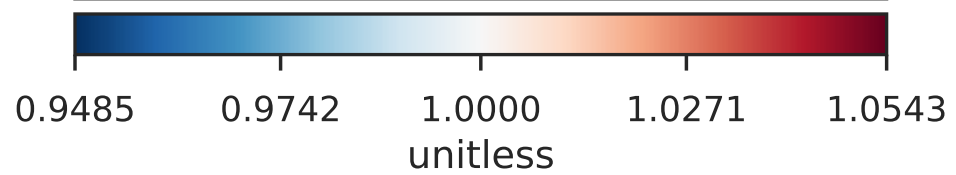
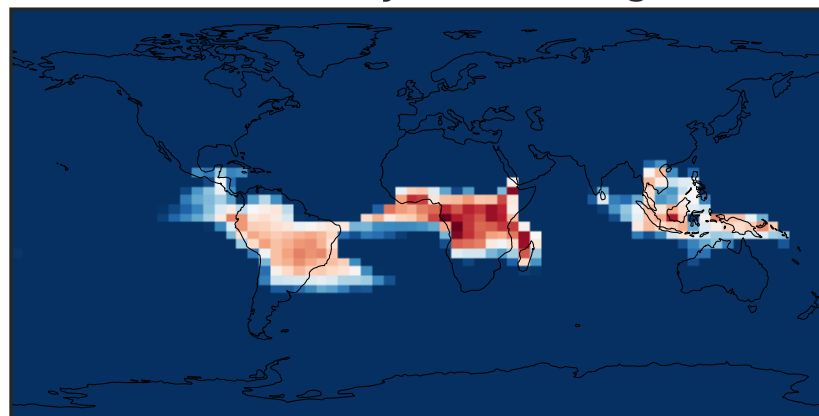
Difference
Dev - Ref, Dynamic Range



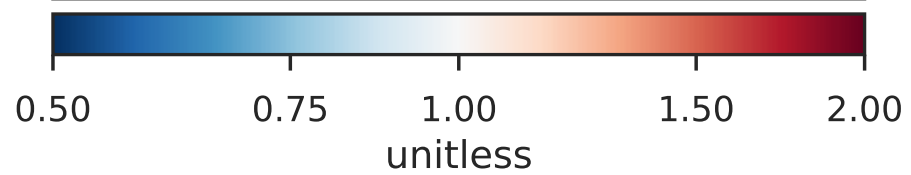
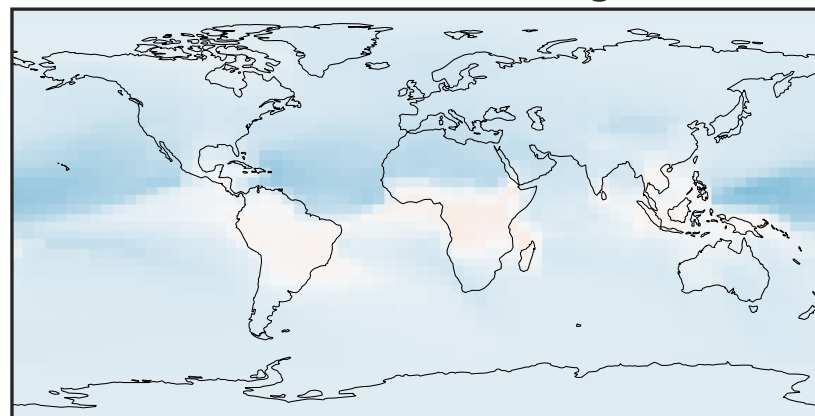
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

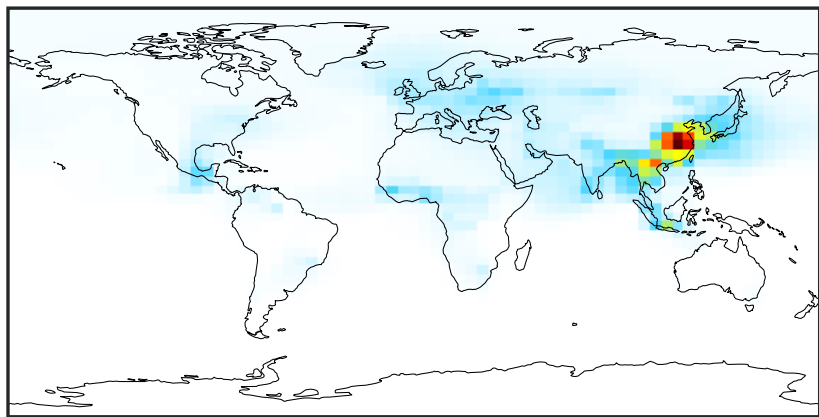


Ratio
Dev/Ref, Fixed Range



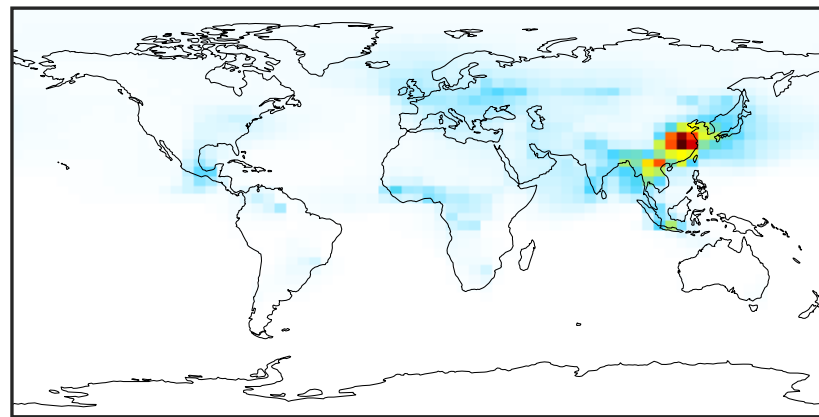
SpeciesConcVV_AONITA (Apr2019)

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



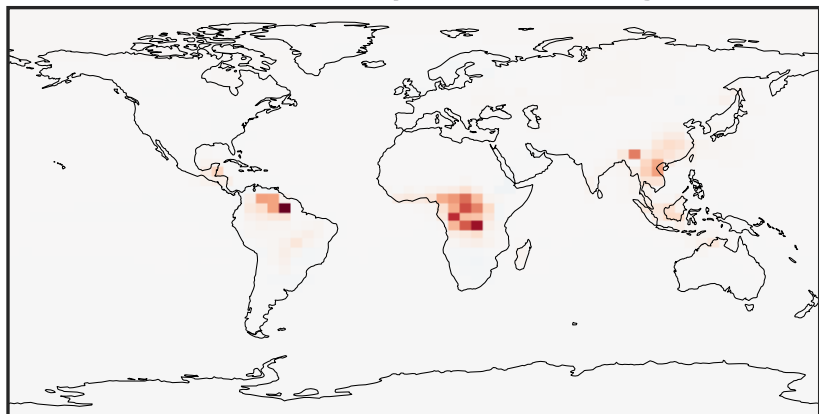
0.0000 0.0541 0.1082 0.1623 0.2164
ppb

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



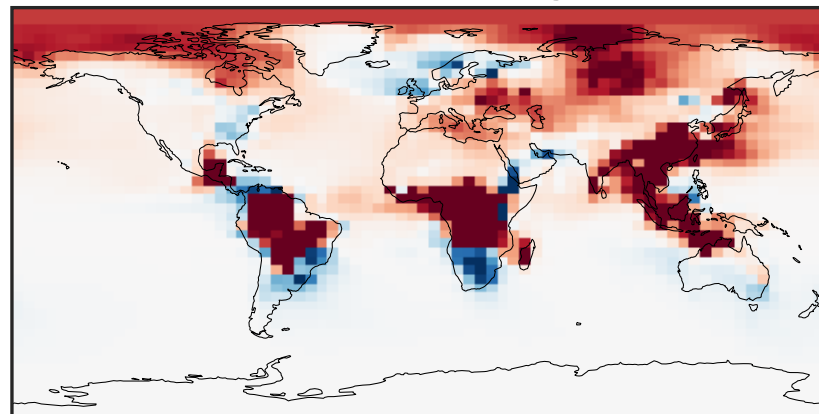
0.0000 0.0541 0.1082 0.1623 0.2164
ppb

Difference
Dev - Ref, Dynamic Range



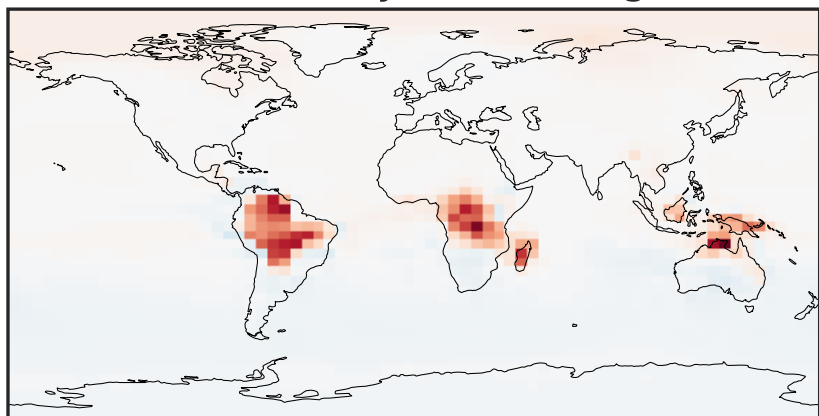
-0.008 0.000 0.008
ppb

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



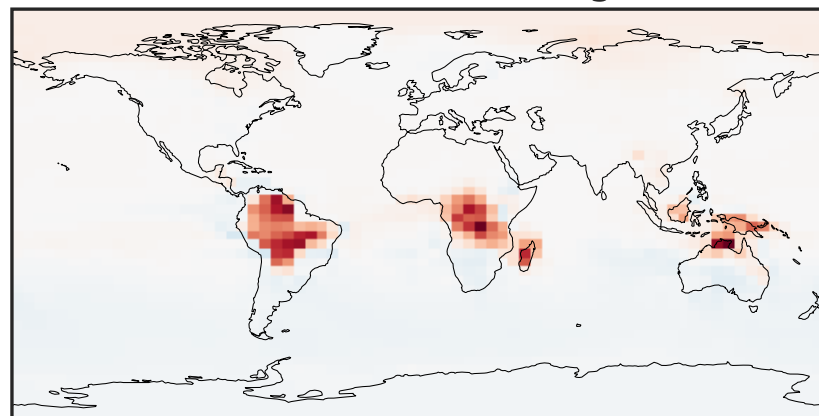
-0.00015 0.00000 0.00015
ppb

Ratio
Dev/Ref, Dynamic Range



0.482 0.741 1.000 1.538 2.075
unitless

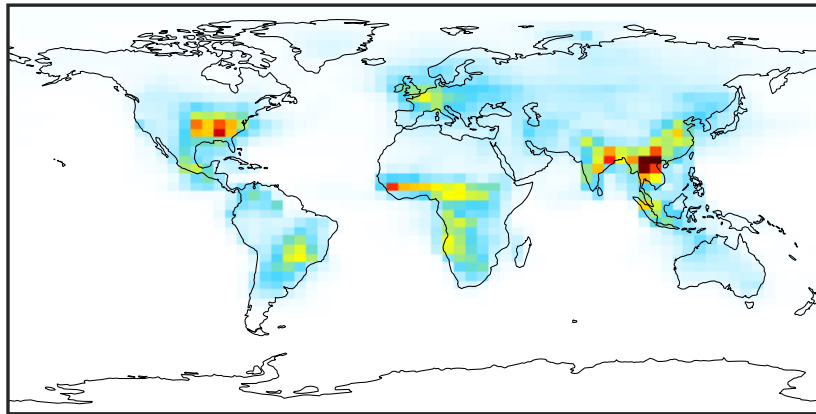
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

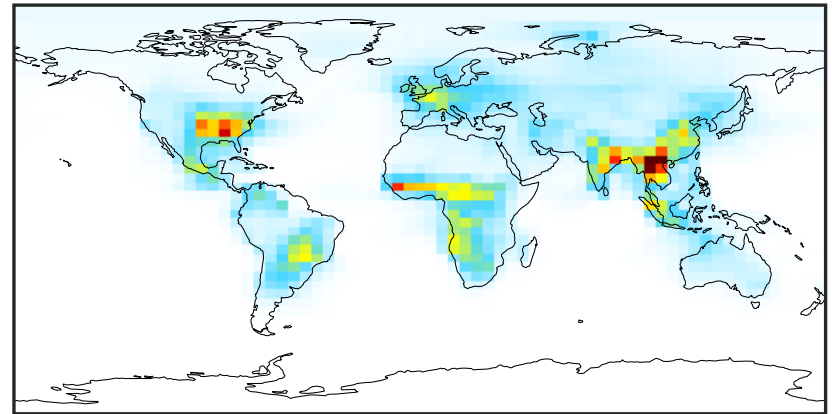
SpeciesConcVV_ETHN (Apr2019)

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



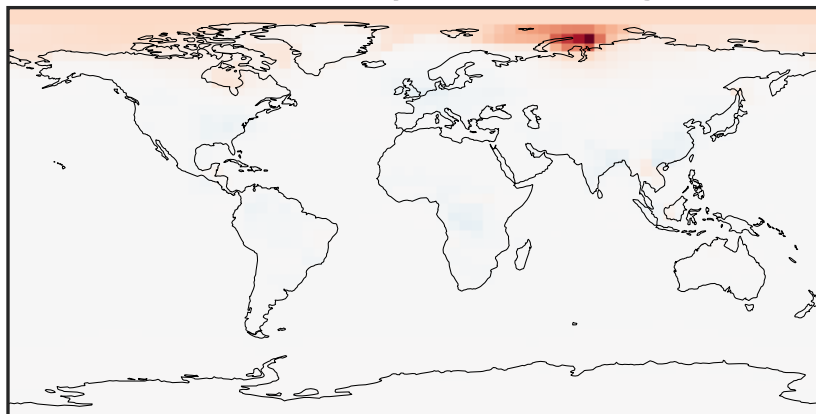
0.0015 0.0030 0.0045
ppb

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



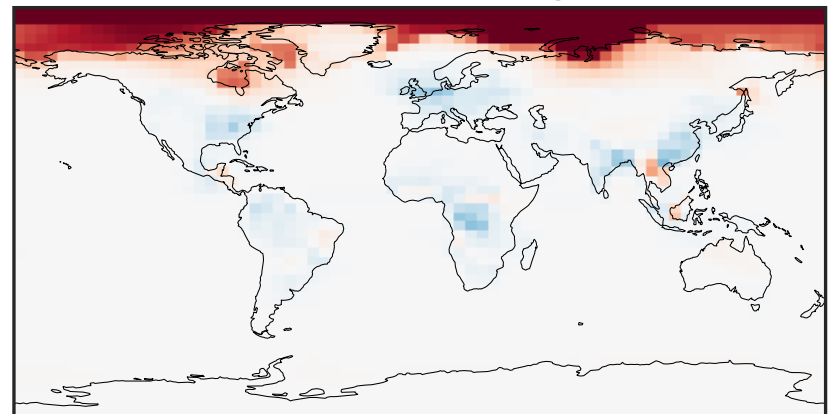
0.0015 0.0030 0.0045
ppb

Difference
Dev - Ref, Dynamic Range



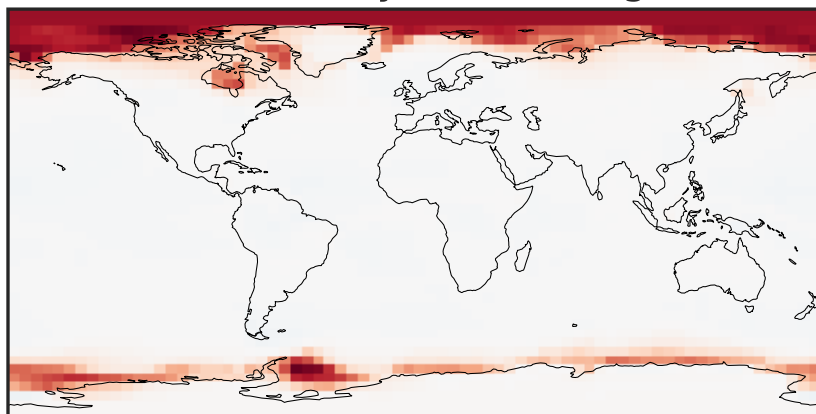
-0.0003 0.0000 0.0003
ppb

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



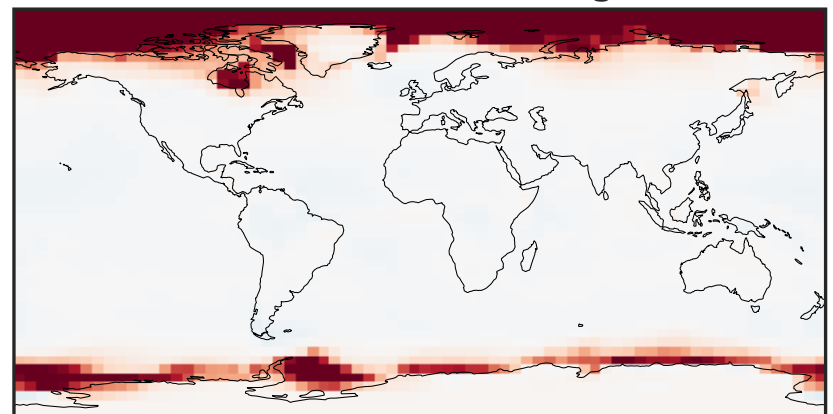
-6 0 6
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.273 0.637 1.000 2.330 3.660
unitless

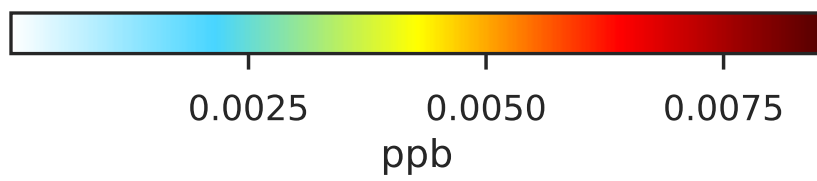
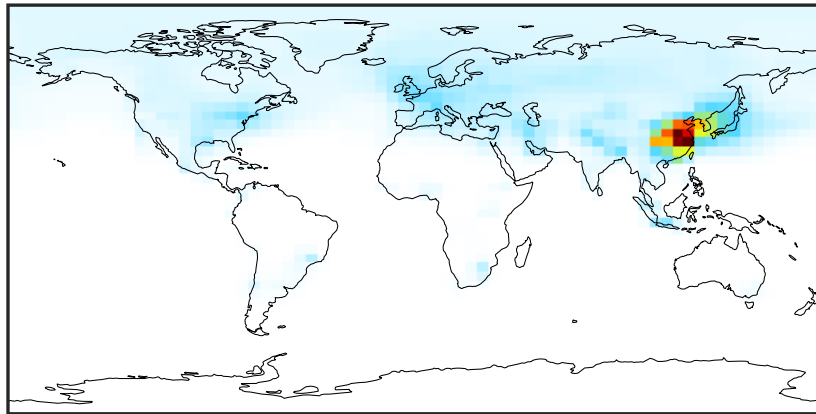
Ratio
Dev/Ref, Fixed Range



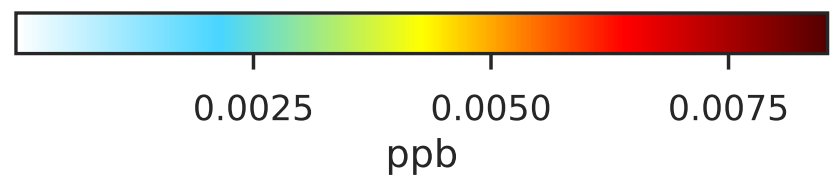
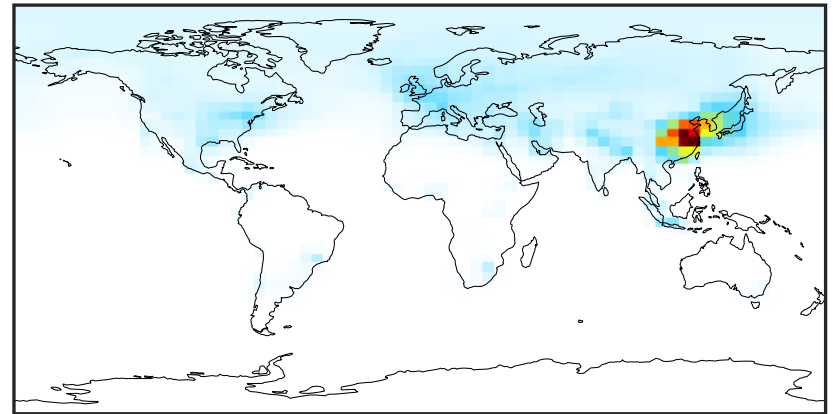
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_BZPAN (Apr2019)

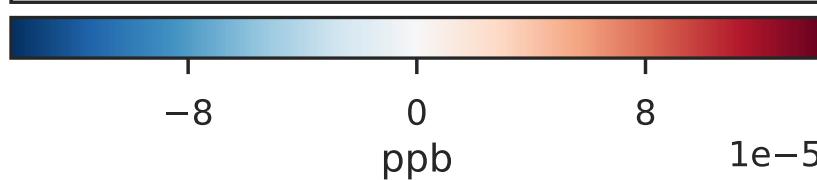
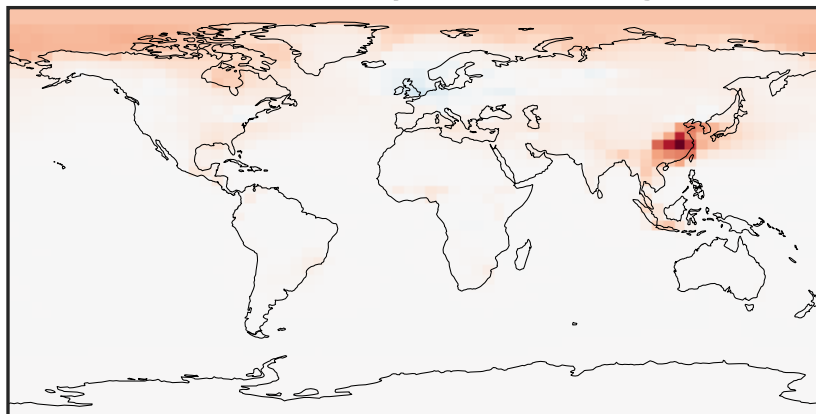
14.2.0-rc.2 (Ref)
4.0x5.0



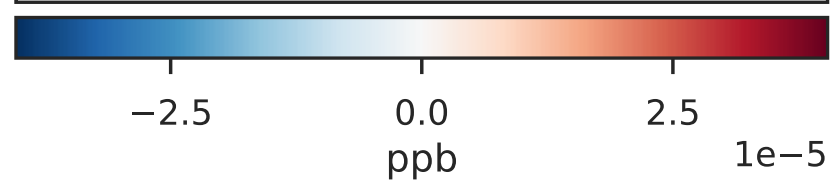
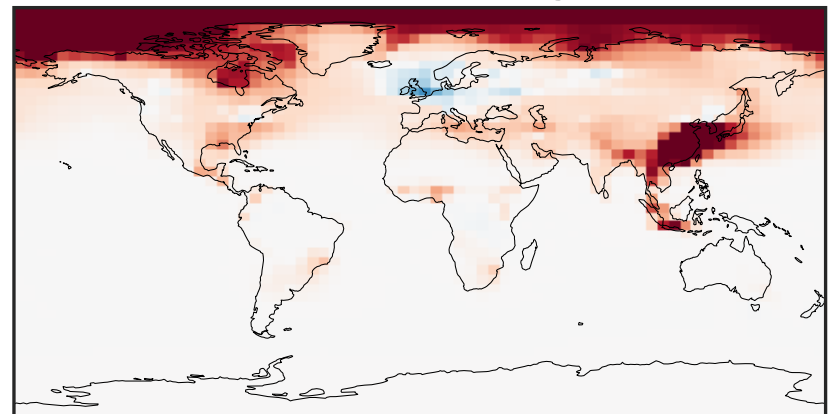
14.3.0-rc.0 (Dev)
4.0x5.0



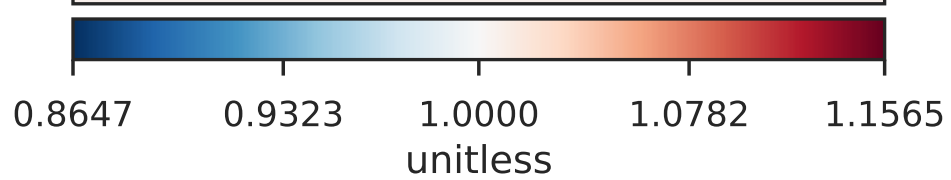
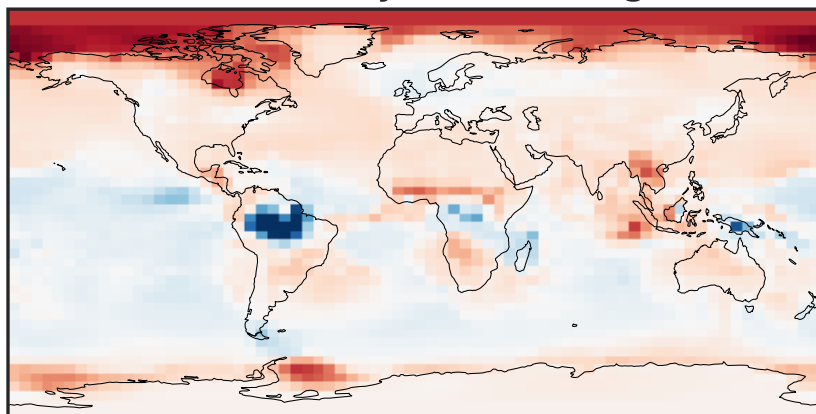
Difference
Dev - Ref, Dynamic Range



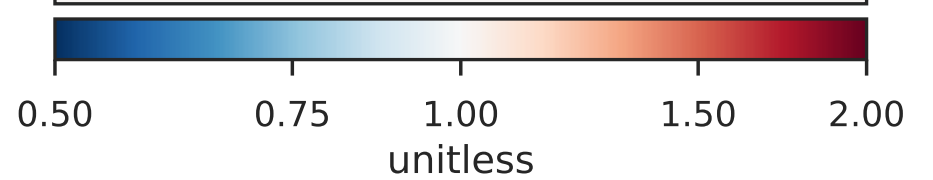
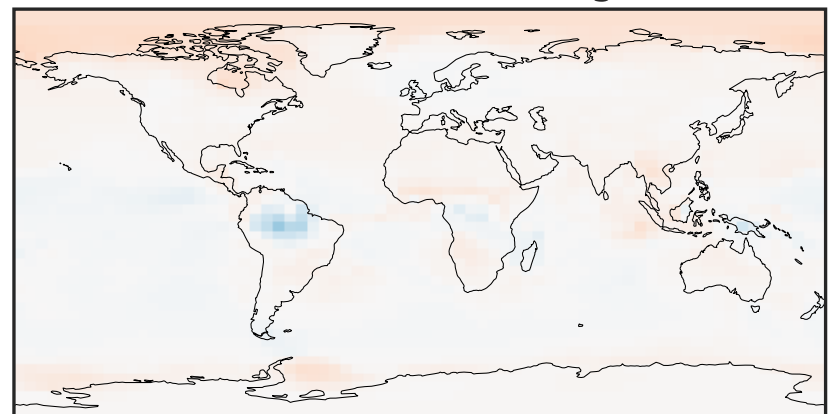
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

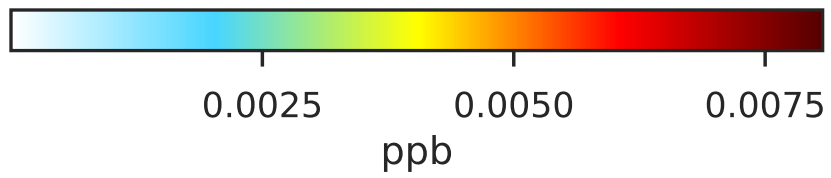
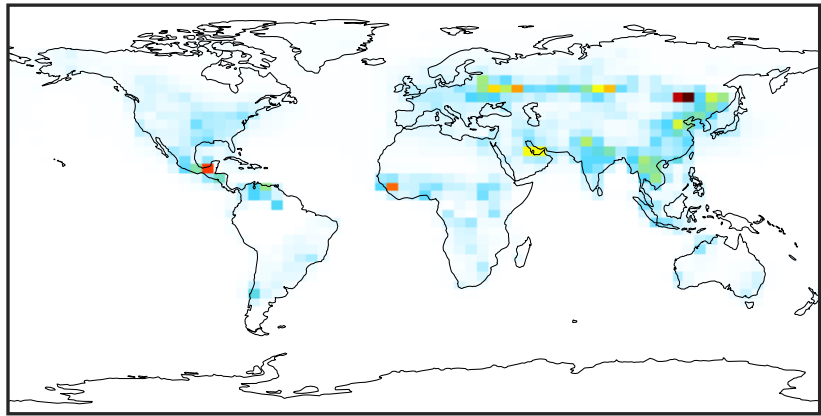


Ratio
Dev/Ref, Fixed Range

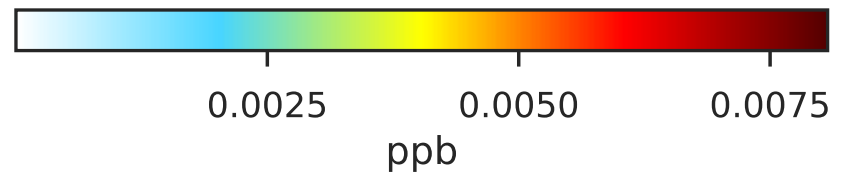
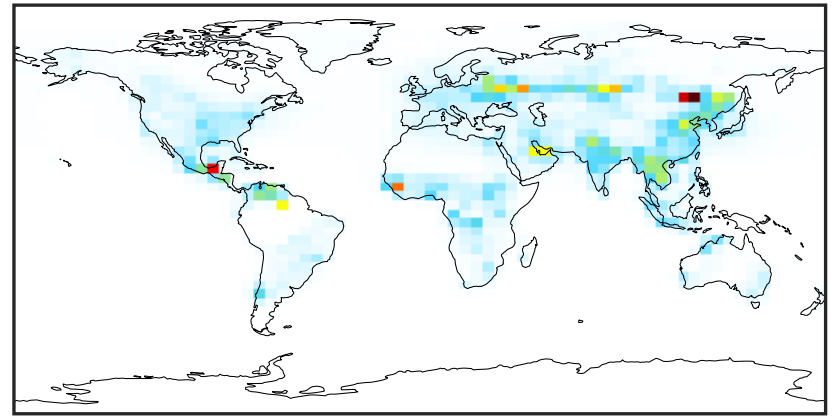


SpeciesConcVV_NPHEN (Apr2019)

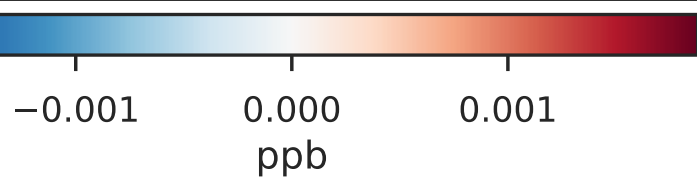
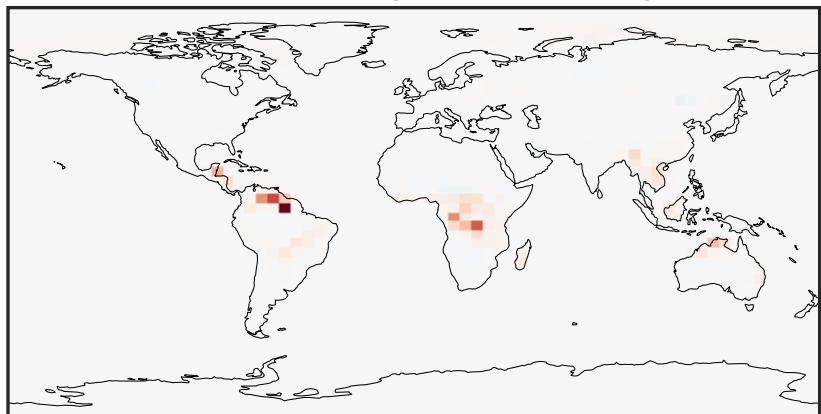
14.2.0-rc.2 (Ref)
4.0x5.0



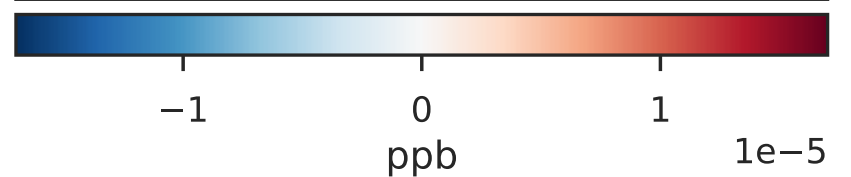
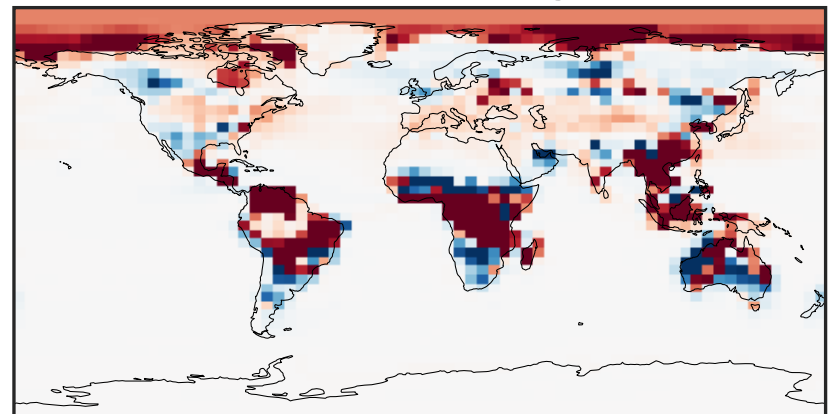
14.3.0-rc.0 (Dev)
4.0x5.0



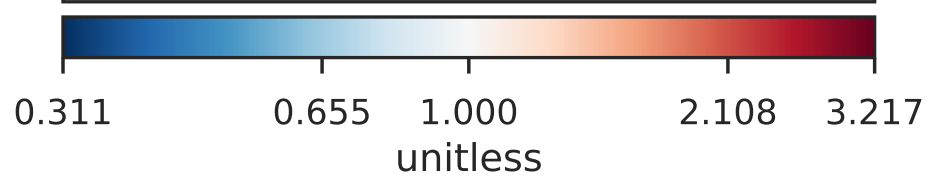
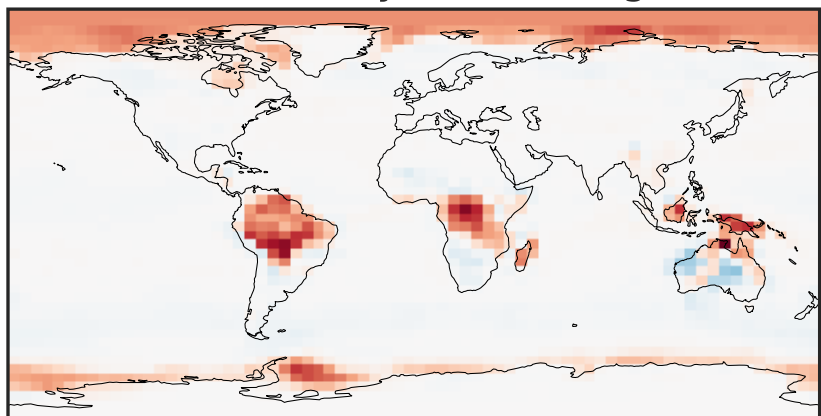
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

