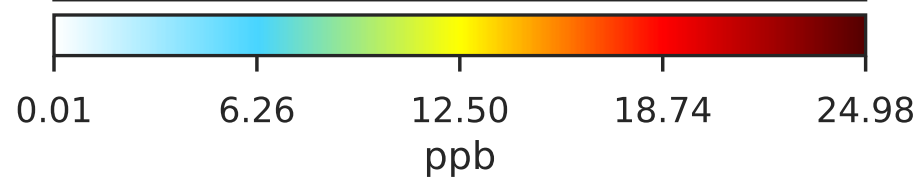
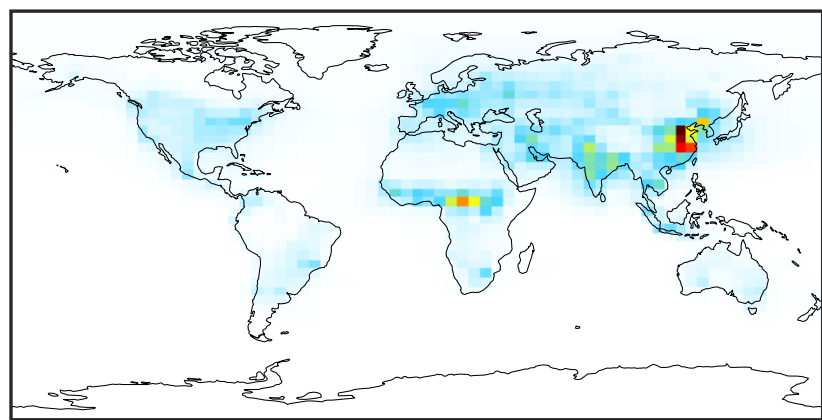
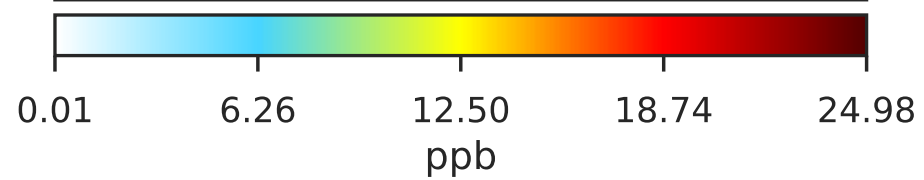
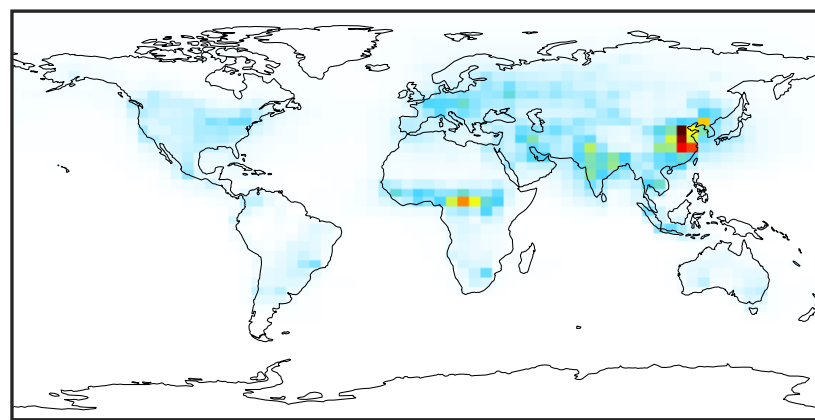


SpeciesConcVV_NOy (Jan2019)

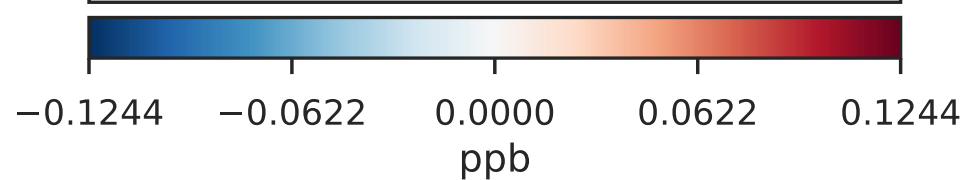
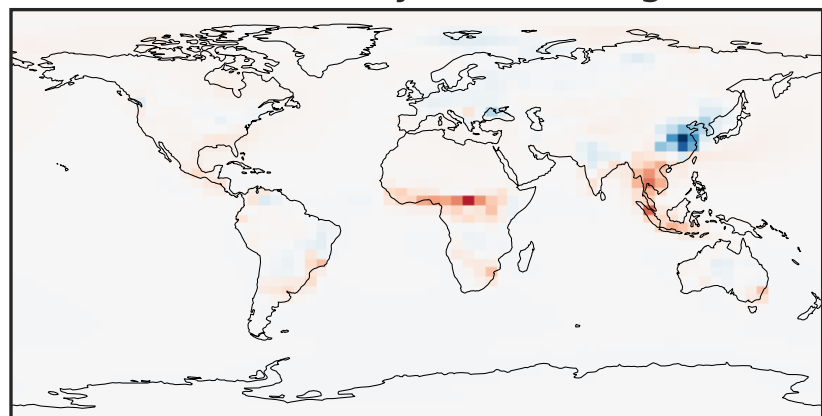
14.2.0-rc.2 (Ref)
4.0x5.0



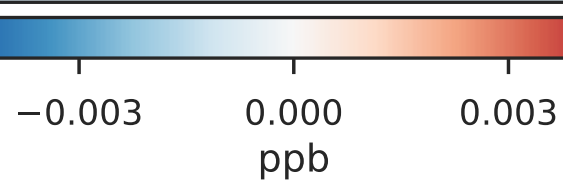
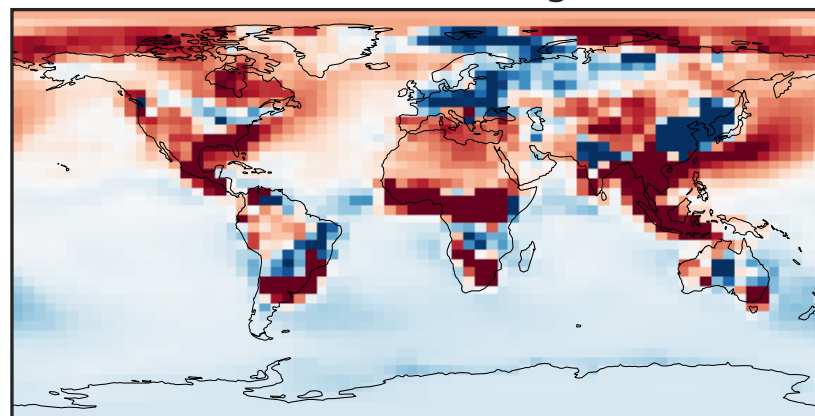
14.3.0-rc.0 (Dev)
4.0x5.0



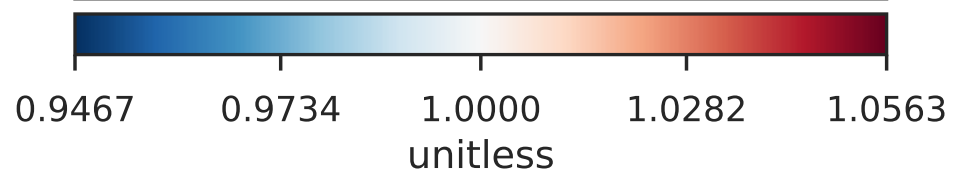
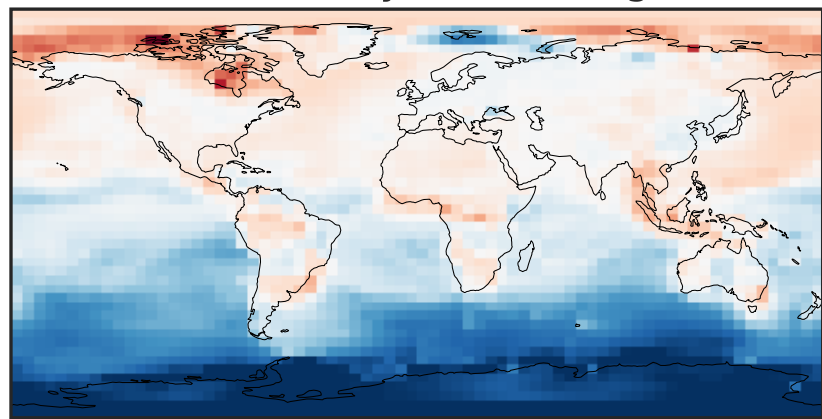
Difference
Dev - Ref, Dynamic Range



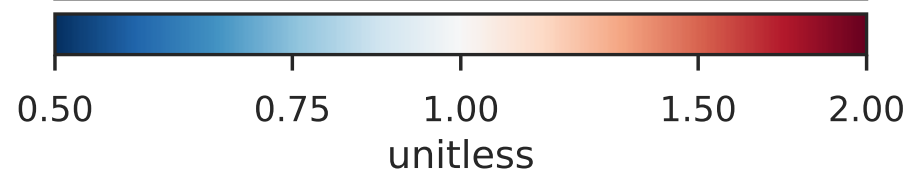
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

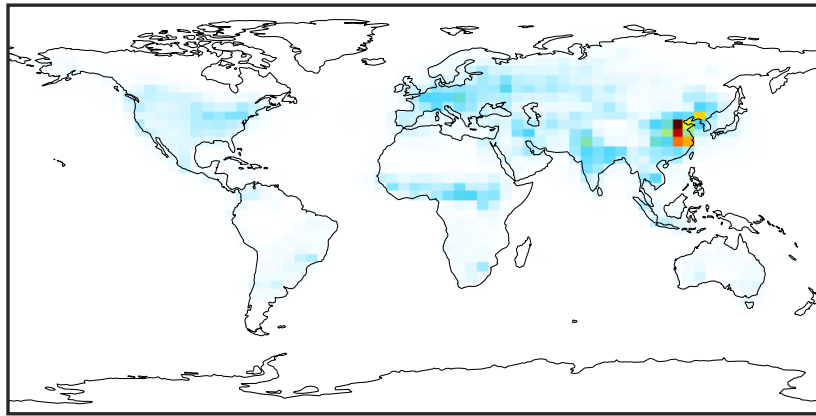


Ratio
Dev/Ref, Fixed Range



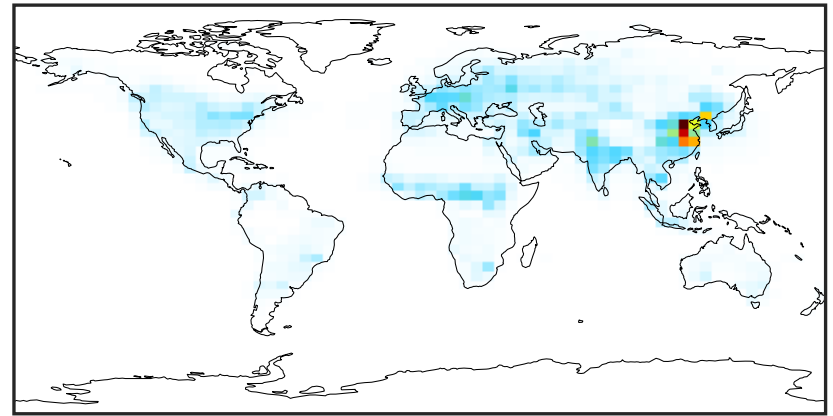
SpeciesConcVV_NOx (Jan2019)

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



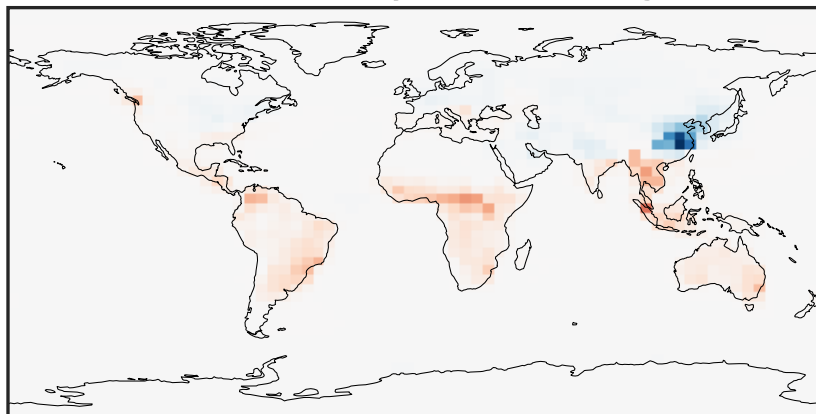
0.00 6.00 12.01 18.01 24.02
ppb

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



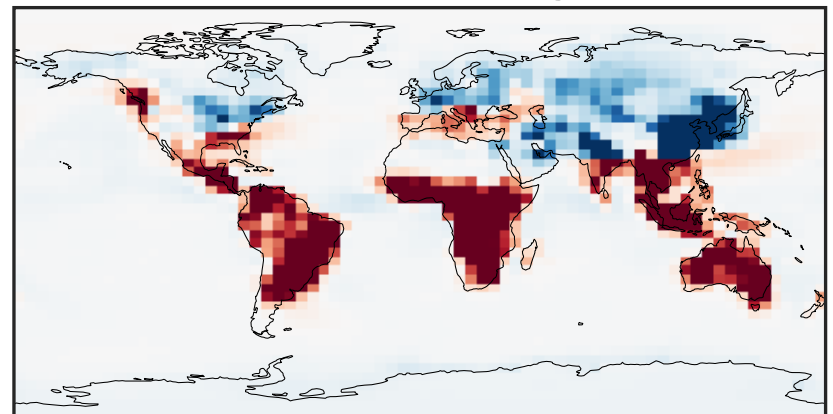
0.00 6.00 12.01 18.01 24.02
ppb

Difference
Dev - Ref, Dynamic Range



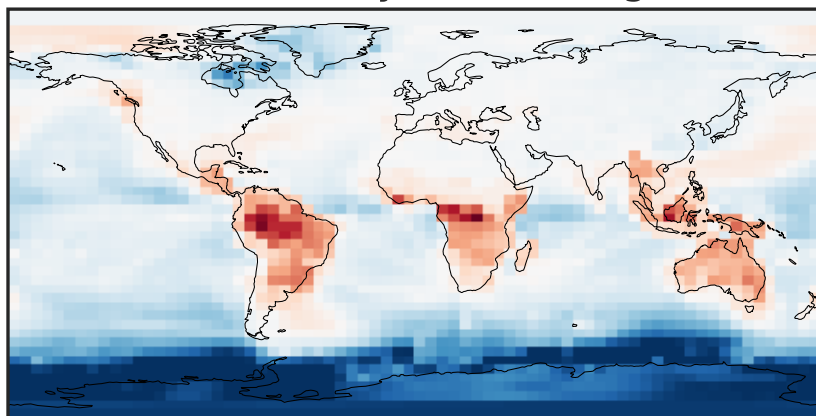
-0.1933 -0.0967 0.0000 0.0967 0.1933
ppb

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



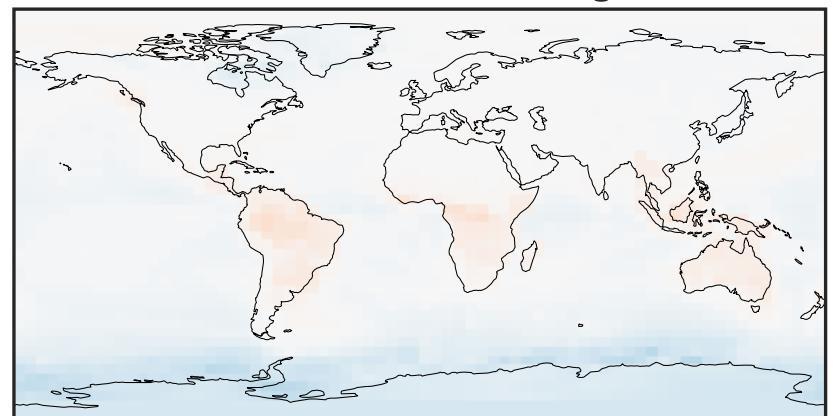
-0.006 0.000 0.006
ppb

Ratio
Dev/Ref, Dynamic Range



0.8854 0.9427 1.0000 1.0647 1.1295
unitless

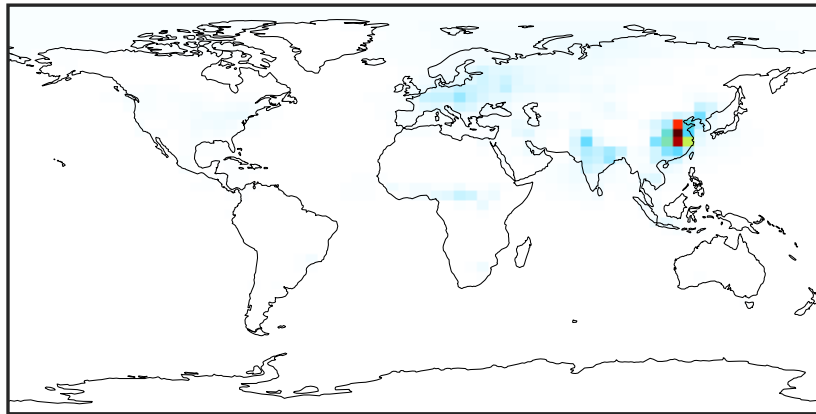
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

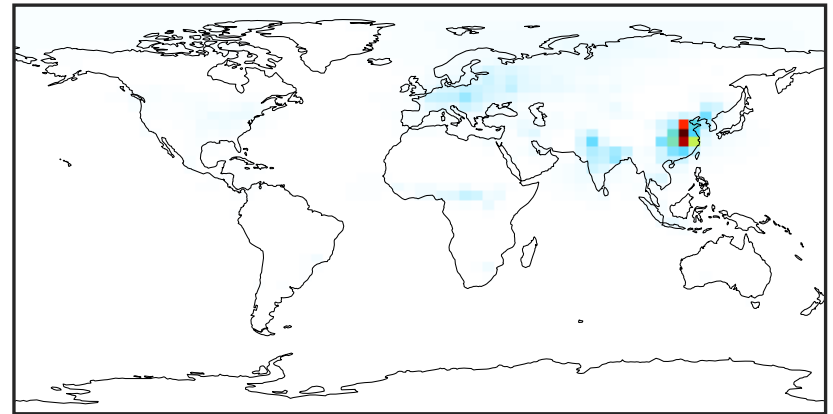
SpeciesConcVV_HNO2 (Jan2019)

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



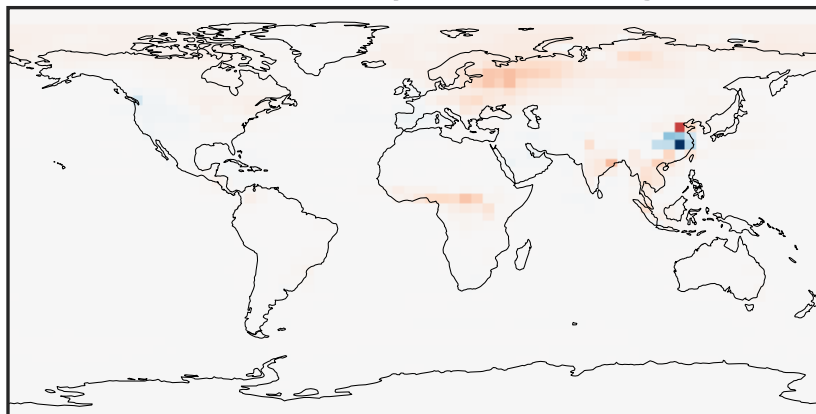
0.0000 0.2246 0.4492 0.6738 0.8985
ppb

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



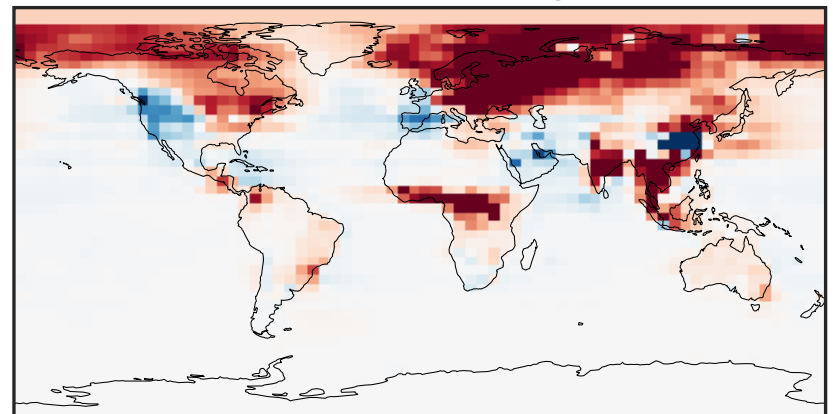
0.0000 0.2246 0.4492 0.6738 0.8985
ppb

Difference
Dev - Ref, Dynamic Range



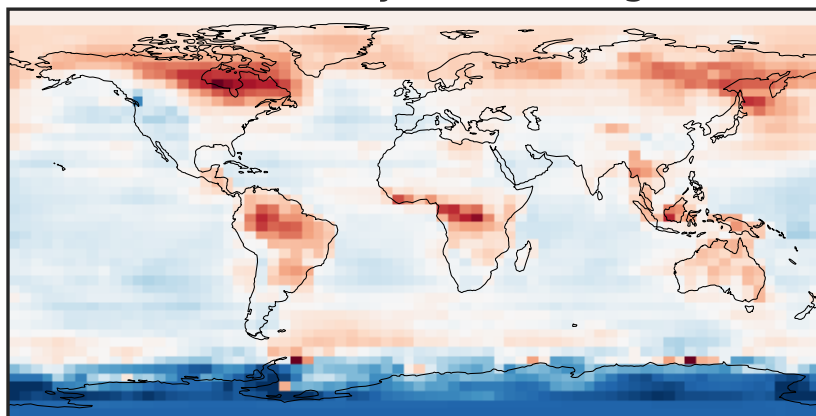
-0.0025 0.0000 0.0025
ppb

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



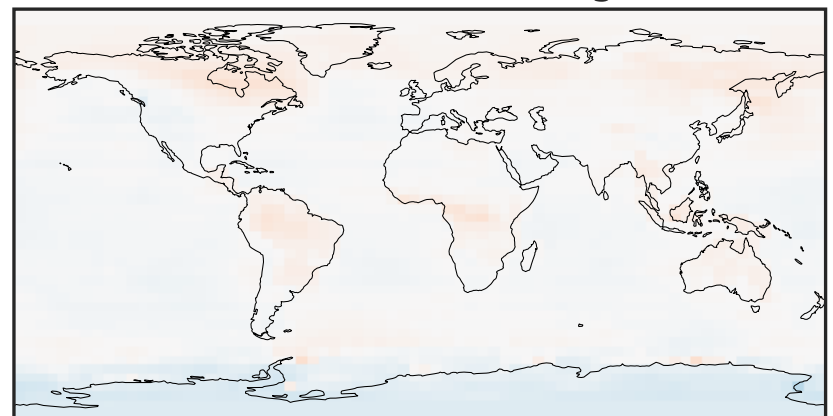
-0.00015 0.00000 0.00015
ppb

Ratio
Dev/Ref, Dynamic Range



0.8931 0.9466 1.0000 1.0598 1.1197
unitless

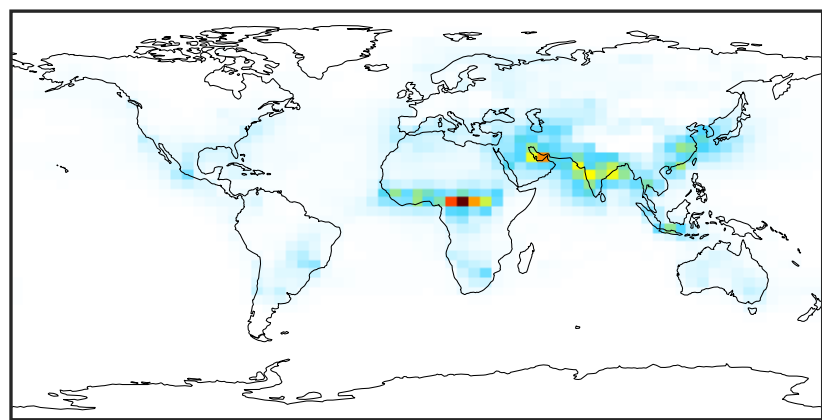
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

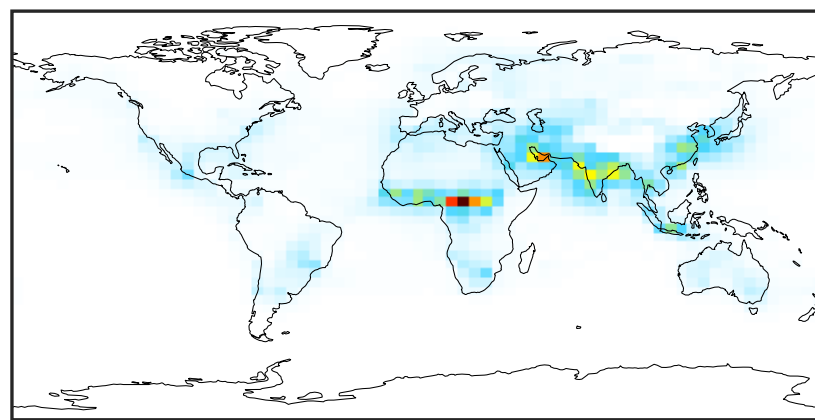
SpeciesConcVV_HNO3 (Jan2019)

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



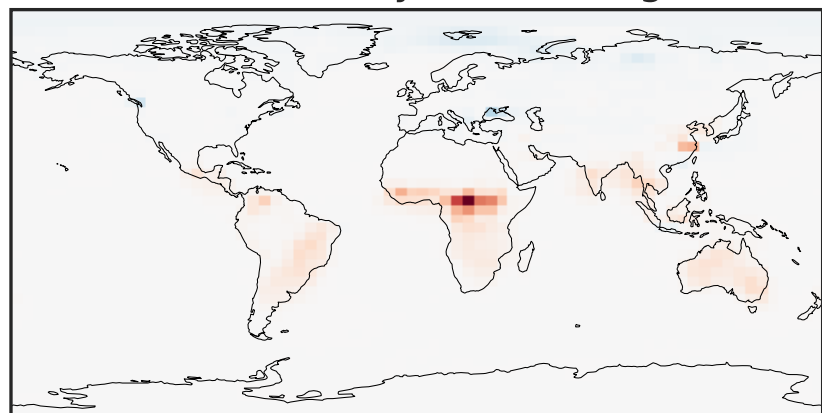
0.001 1.558 3.115 4.672 6.229
ppb

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



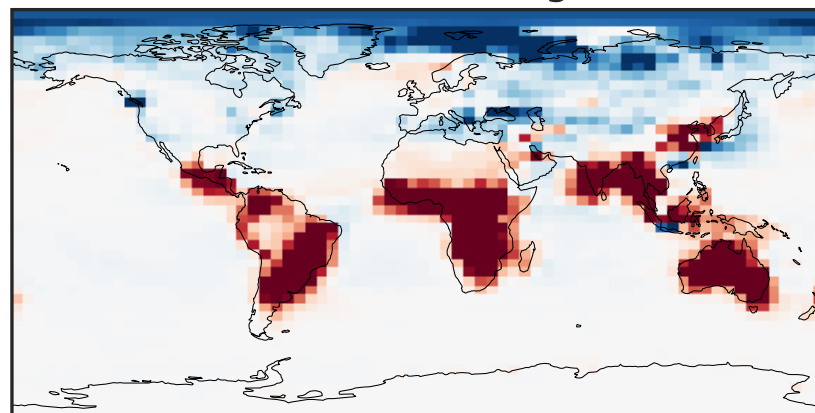
0.001 1.558 3.115 4.672 6.229
ppb

Difference
Dev - Ref, Dynamic Range



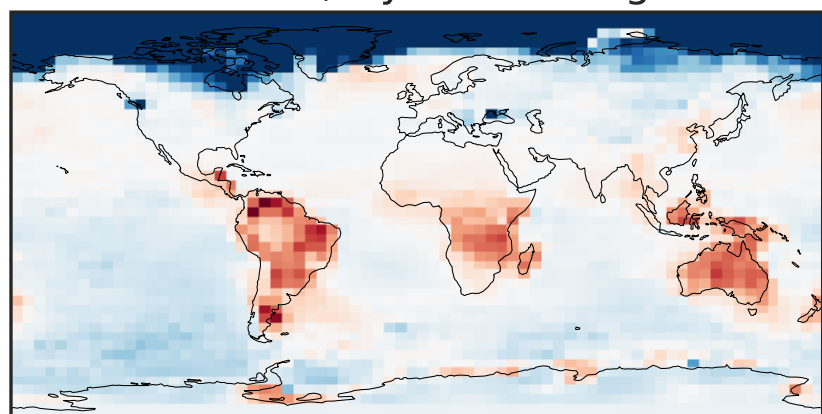
-0.128 -0.064 0.000 0.064 0.128
ppb

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



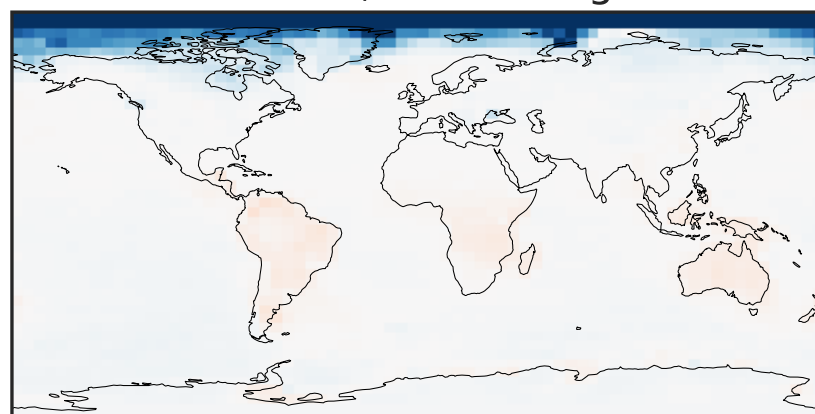
-0.003 0.000 0.003
ppb

Ratio
Dev/Ref, Dynamic Range



0.9090 0.9545 1.0000 1.0501 1.1001
unitless

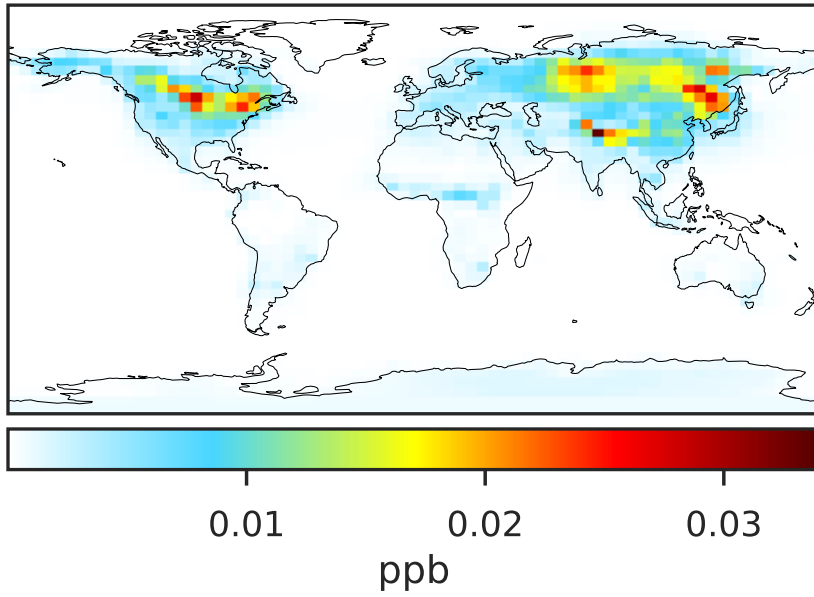
Ratio
Dev/Ref, Fixed Range



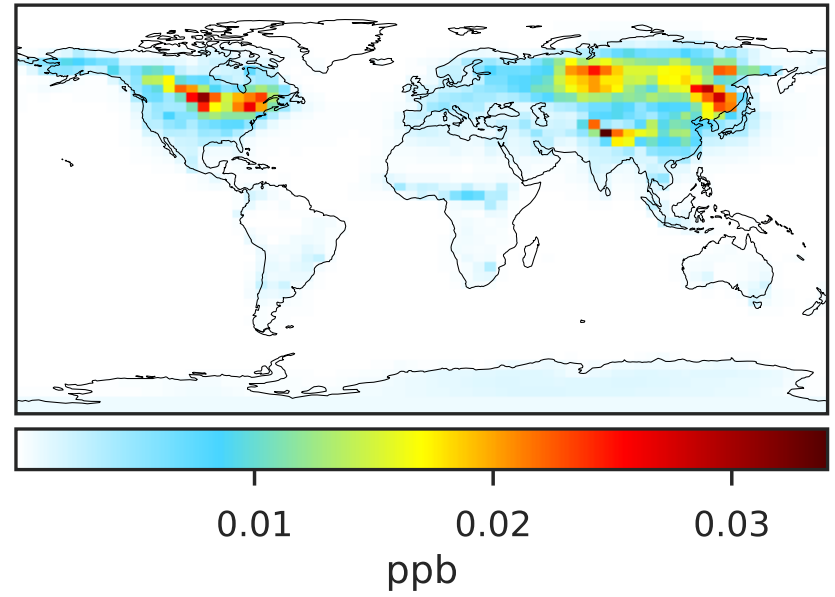
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO4 (Jan2019)

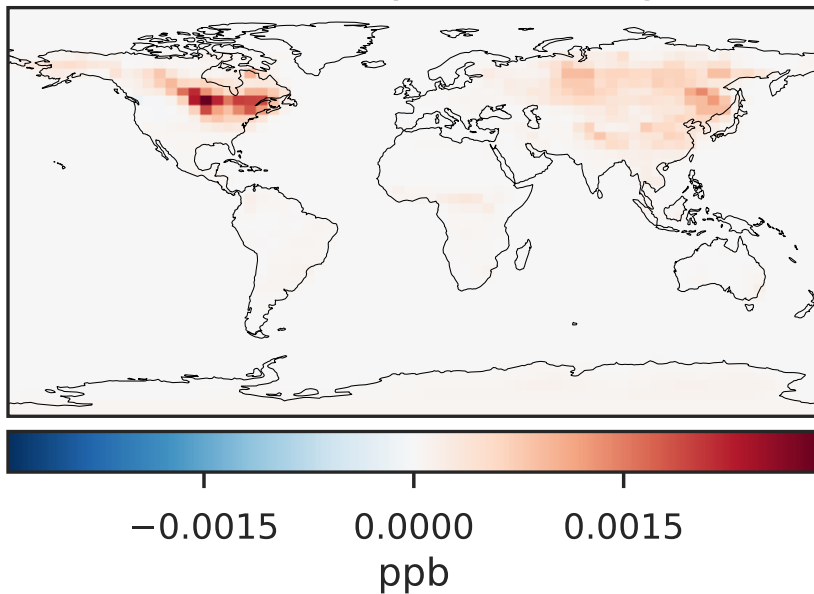
14.2.0-rc.2 (Ref)
4.0x5.0



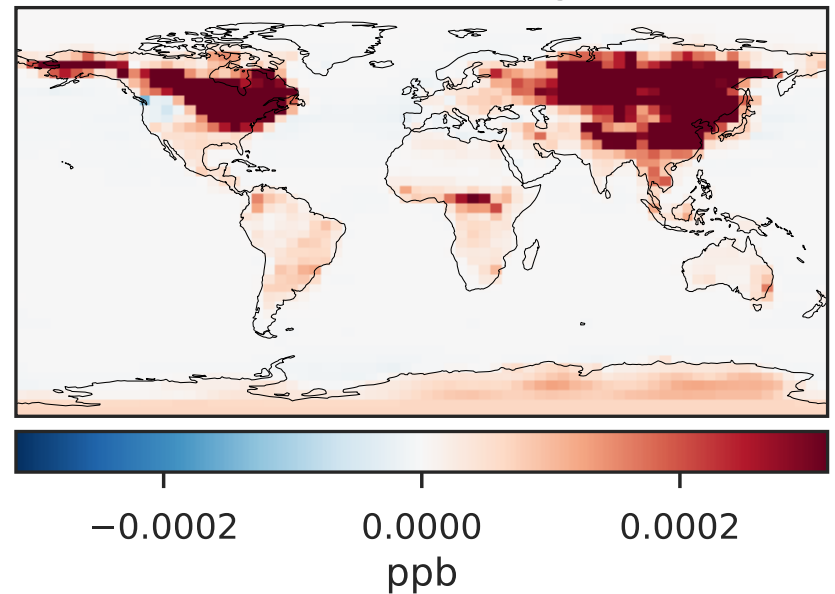
14.3.0-rc.0 (Dev)
4.0x5.0



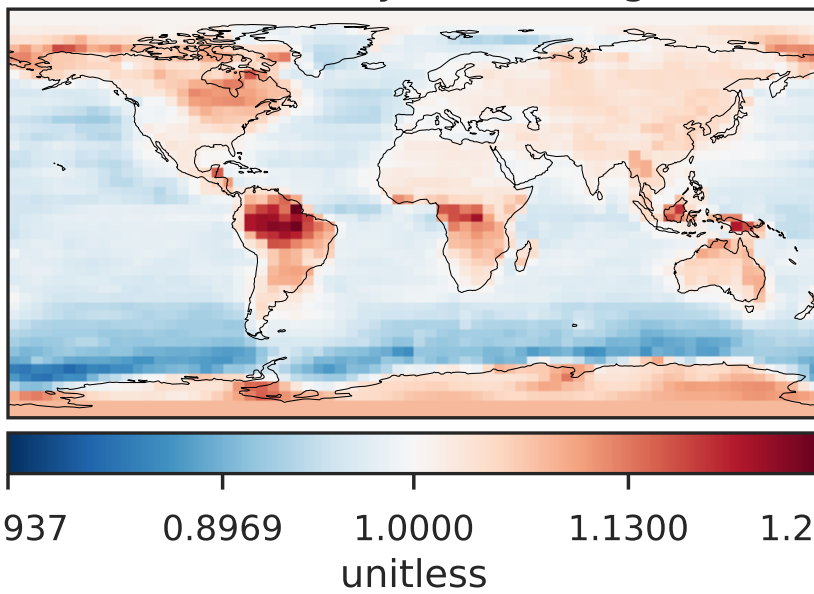
Difference
Dev - Ref, Dynamic Range



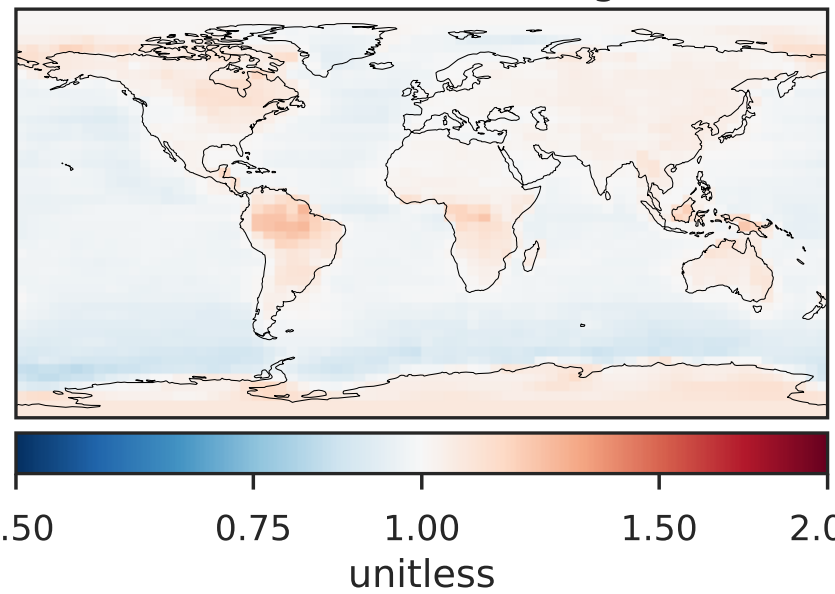
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

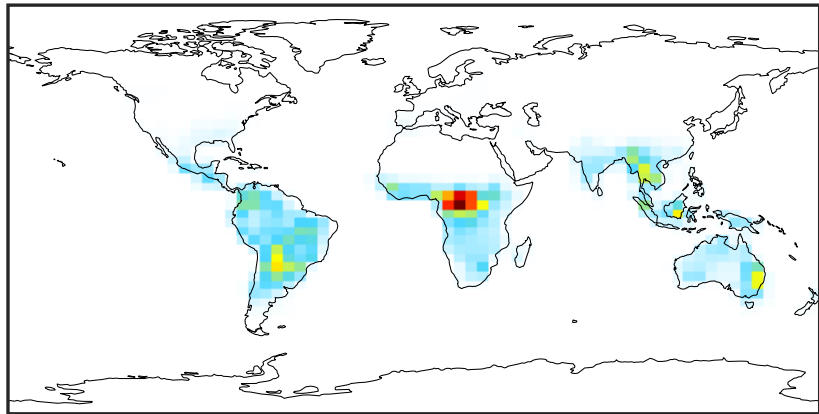


Ratio
Dev/Ref, Fixed Range



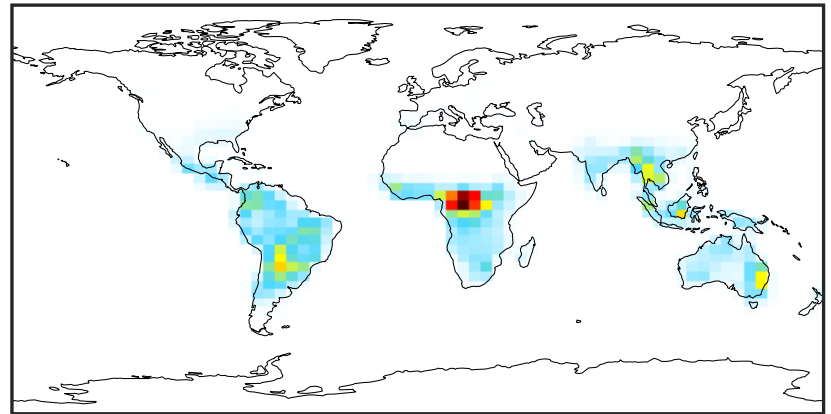
SpeciesConcVV_MPAN (Jan2019)

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



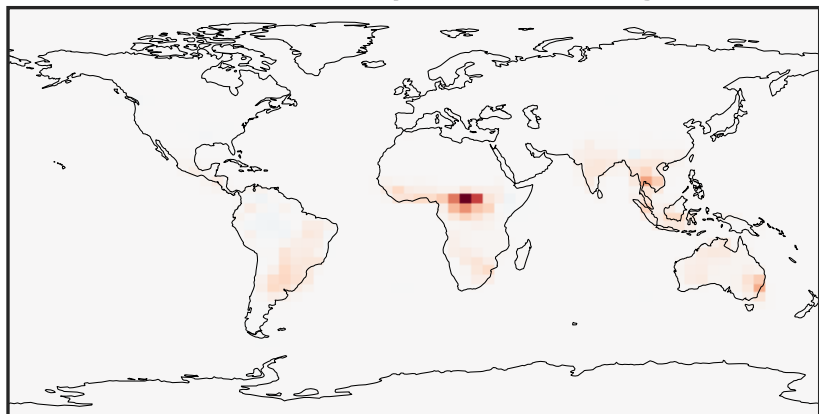
0.000 0.015 0.030 0.045
ppb

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



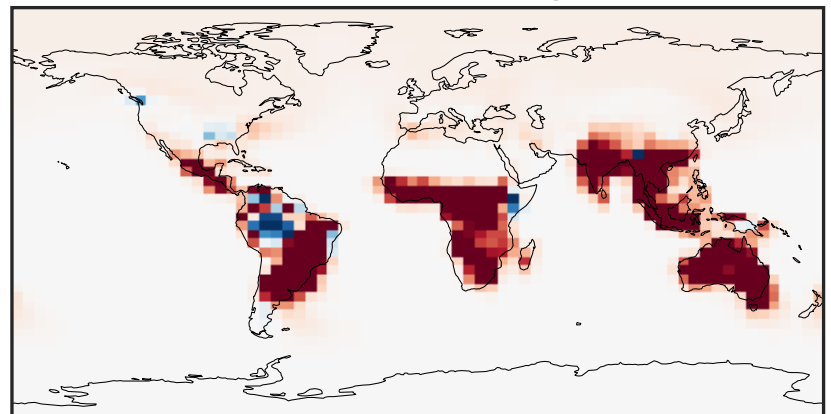
0.000 0.015 0.030 0.045
ppb

Difference
Dev - Ref, Dynamic Range



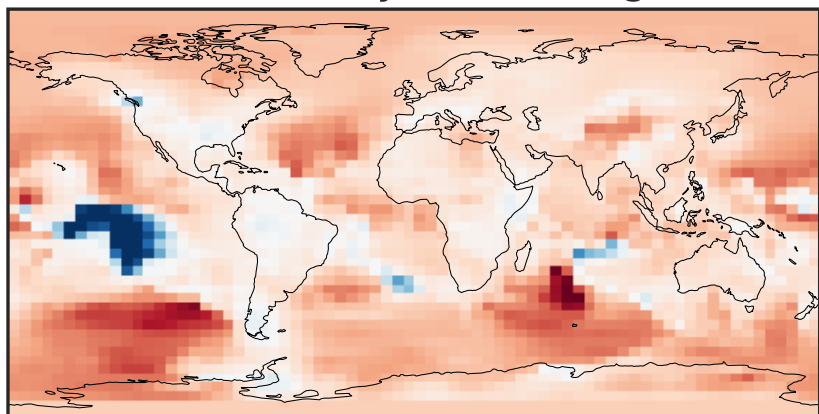
-0.0025 0.0000 0.0025
ppb

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



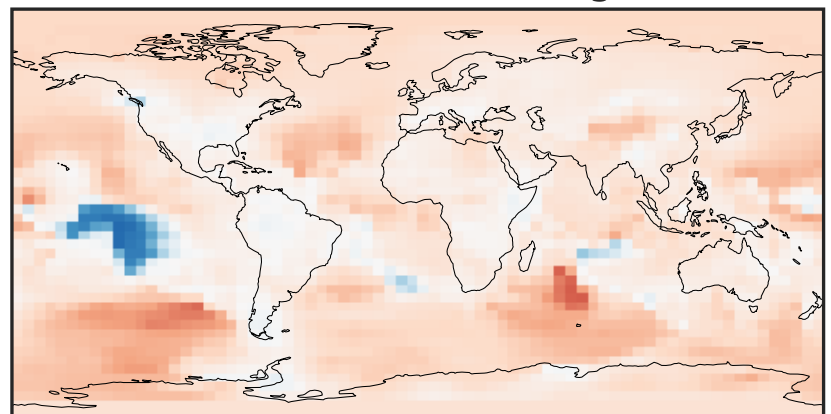
-6 0 6
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.6565 0.8283 1.0000 1.2616 1.5231
unitless

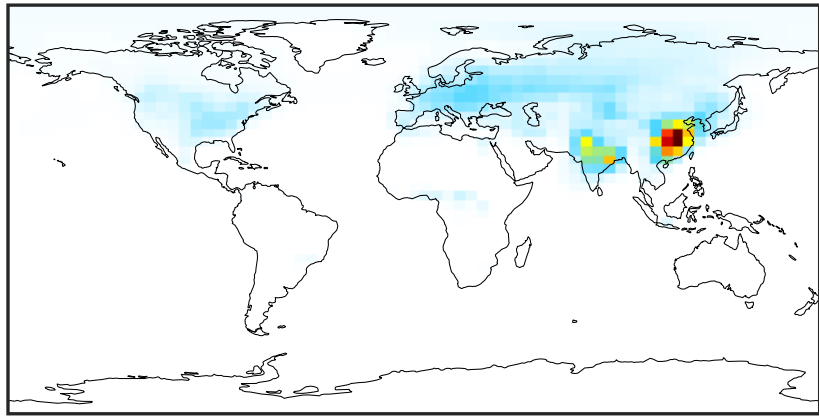
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

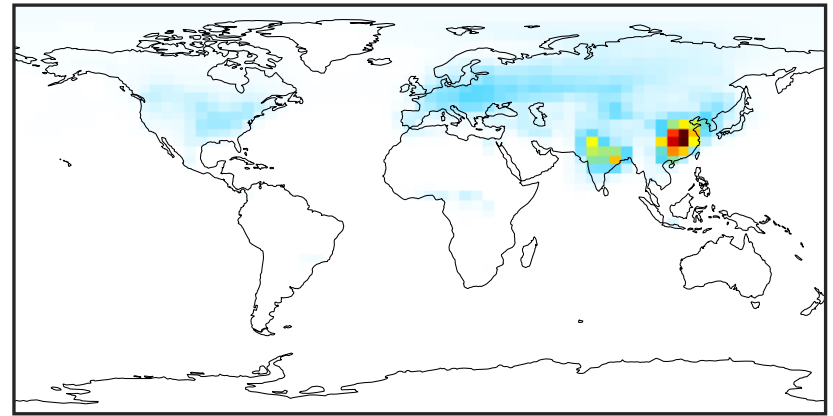
SpeciesConcVV_NIT (Jan2019)

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



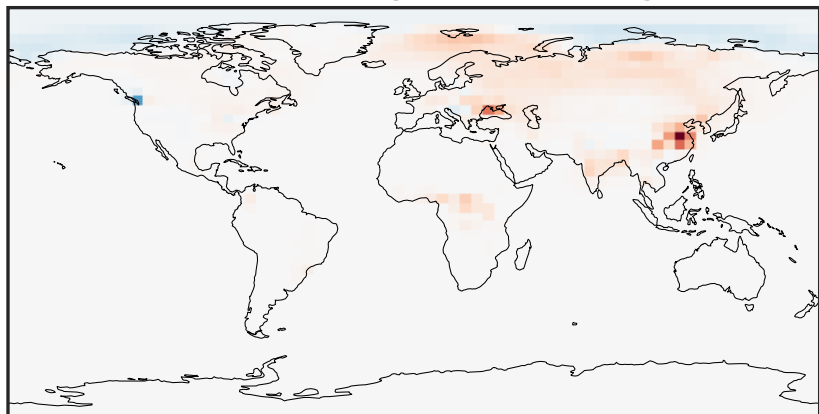
0.00 3.68 7.35 11.03 14.71
ppb

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



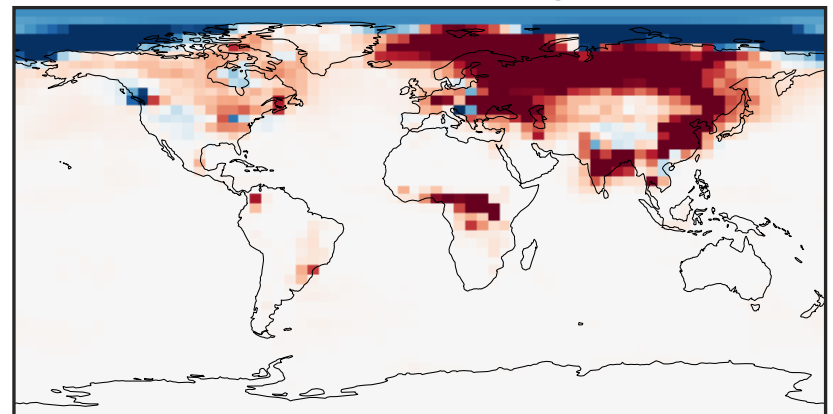
0.00 3.68 7.35 11.03 14.71
ppb

Difference
Dev - Ref, Dynamic Range



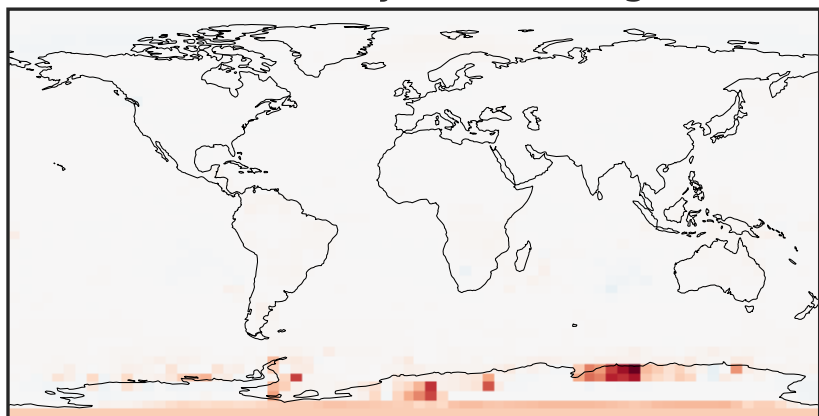
-0.1259 -0.0629 0.0000 0.0629 0.1259
ppb

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



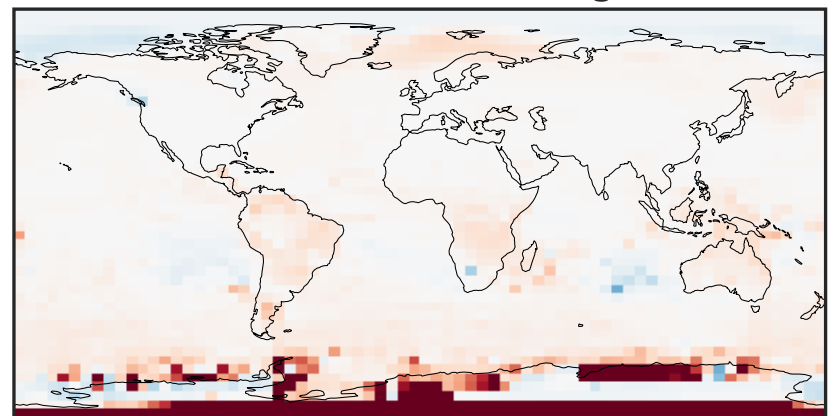
-0.006 0.000 0.006
ppb

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

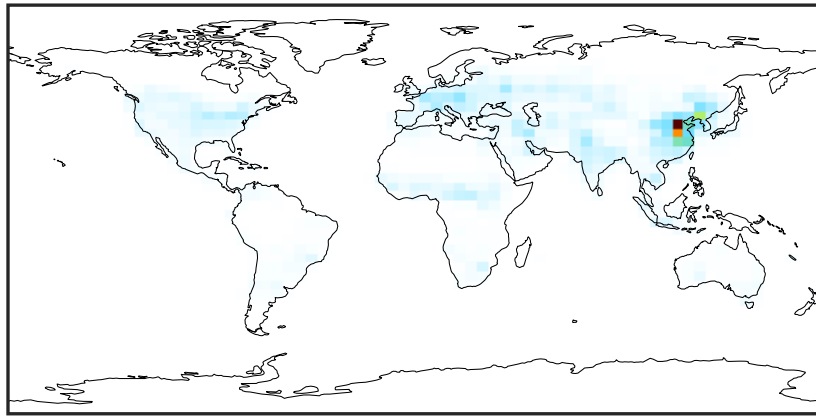
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

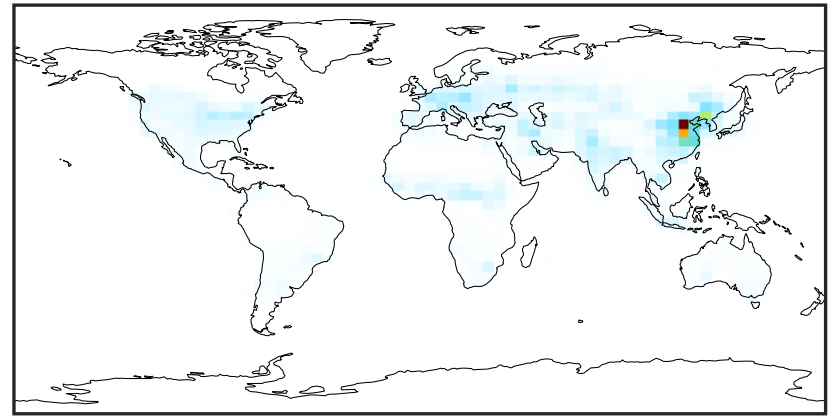
SpeciesConcVV_NO (Jan2019)

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



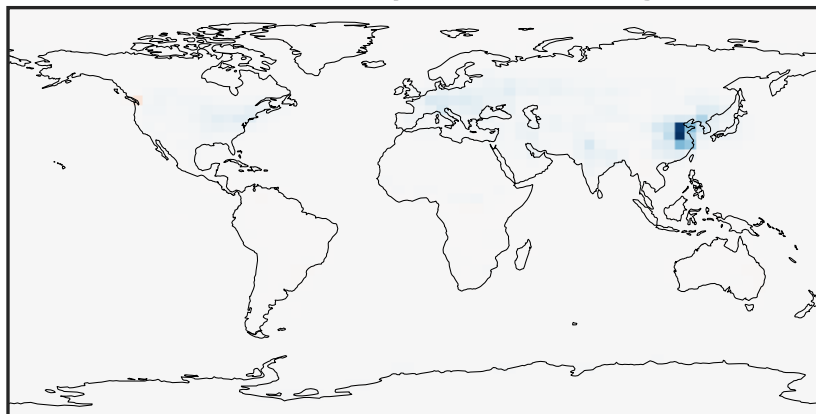
0.000 1.067 2.134 3.201 4.268
ppb

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



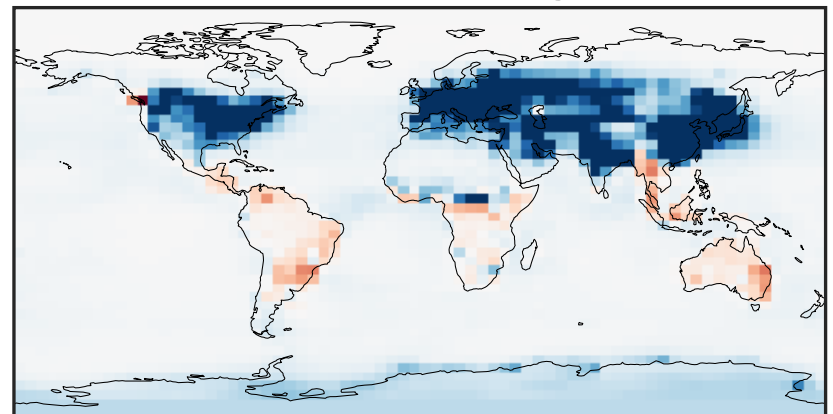
0.000 1.067 2.134 3.201 4.268
ppb

Difference
Dev - Ref, Dynamic Range



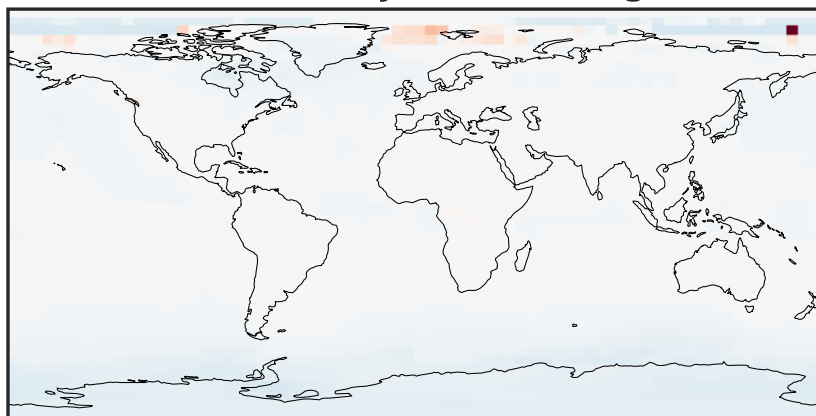
-0.1115 -0.0558 0.0000 0.0558 0.1115
ppb

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



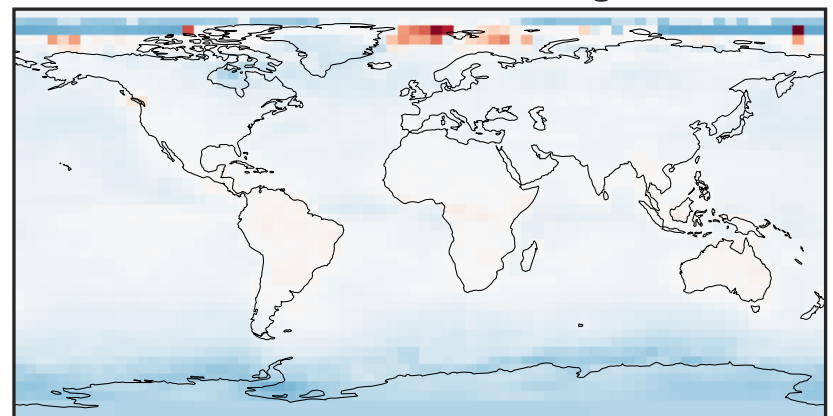
-0.0015 0.0000 0.0015
ppb

Ratio
Dev/Ref, Dynamic Range



0.131 0.565 1.000 4.331 7.663
unitless

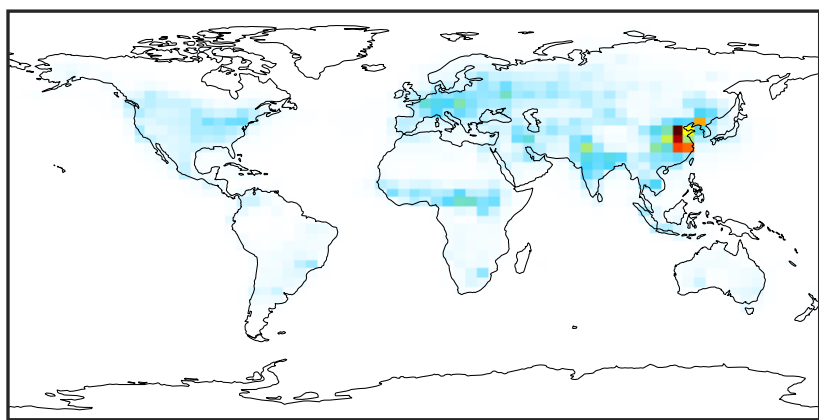
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

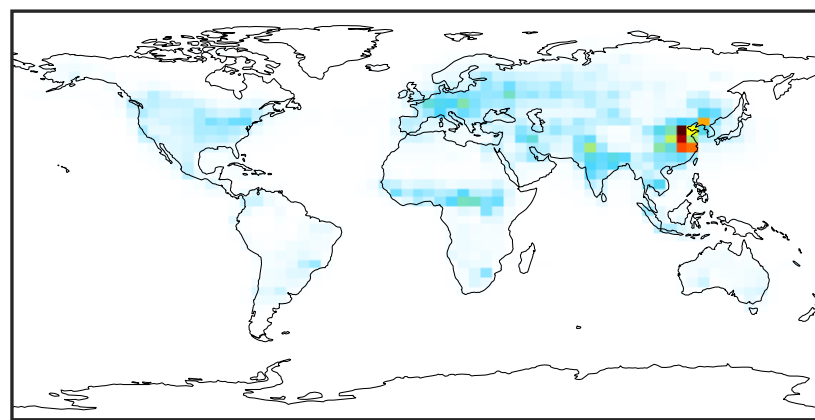
SpeciesConcVV_NO2 (Jan2019)

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



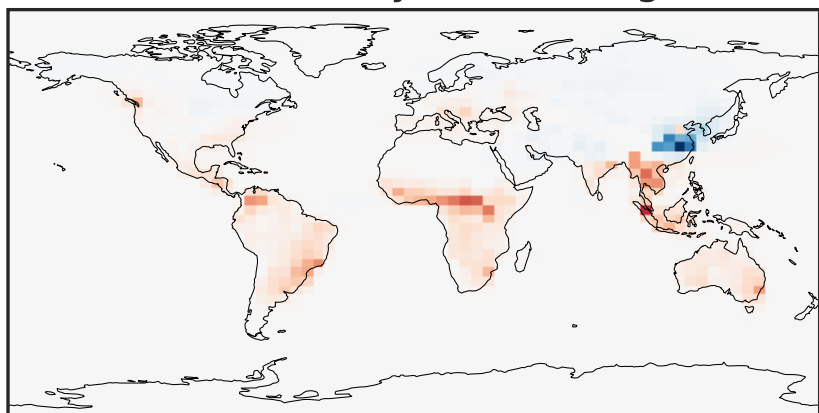
0.00 4.78 9.56 14.34 19.12
ppb

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



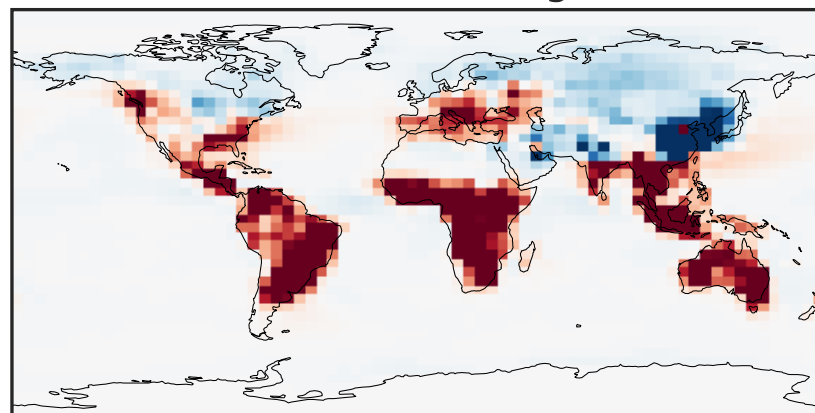
0.00 4.78 9.56 14.34 19.12
ppb

Difference
Dev - Ref, Dynamic Range



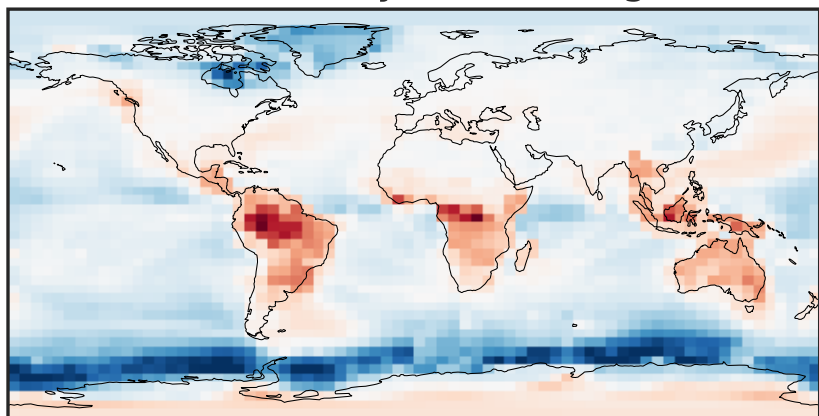
-0.1388 -0.0694 0.0000 0.0694 0.1388
ppb

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



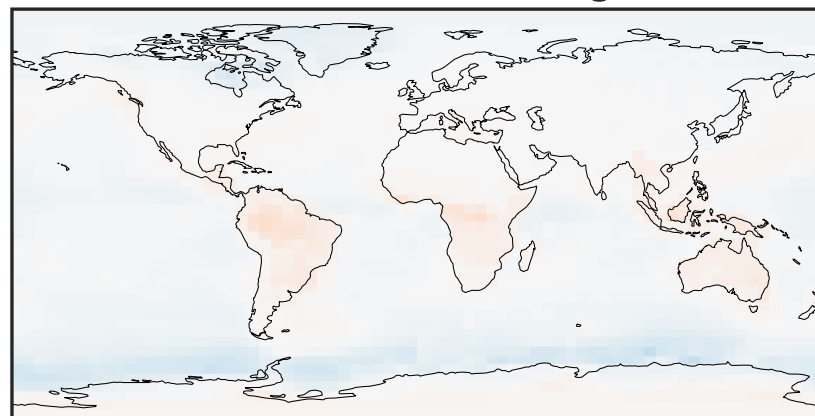
-0.006 0.000 0.006
ppb

Ratio
Dev/Ref, Dynamic Range



0.8852 0.9426 1.0000 1.0648 1.1297
unitless

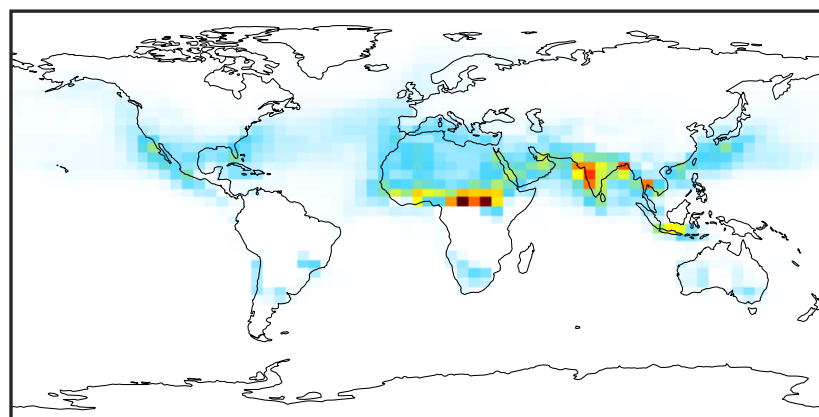
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

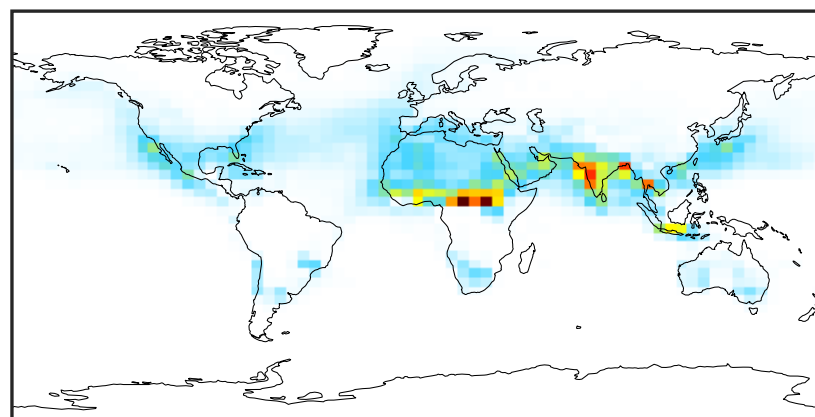
SpeciesConcVV_NO3 (Jan2019)

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



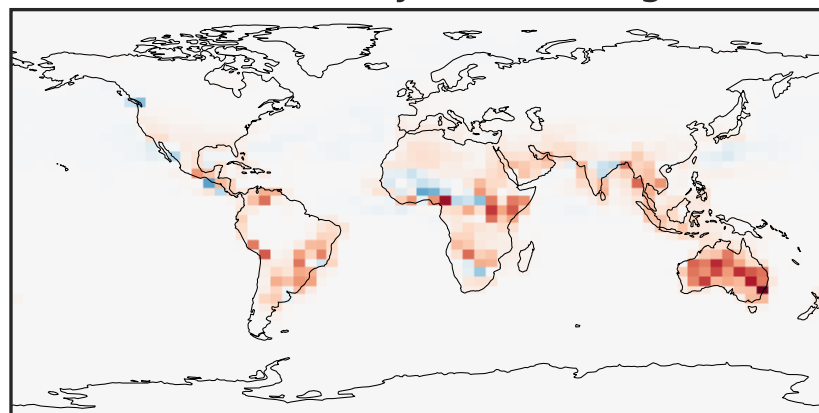
0.015 0.030
ppb

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



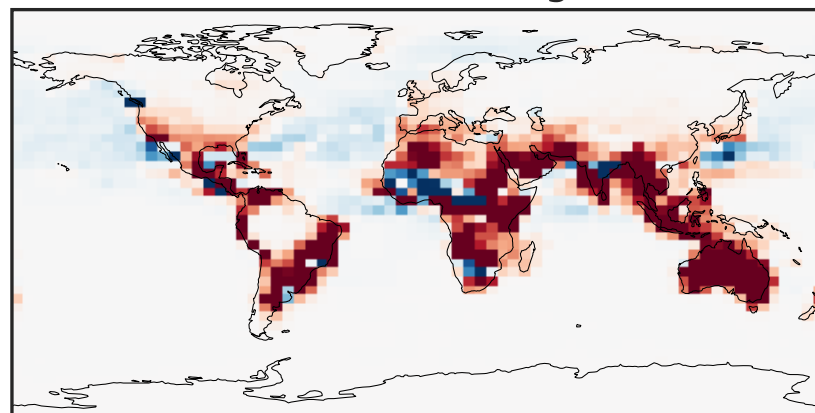
0.015 0.030
ppb

Difference
Dev - Ref, Dynamic Range



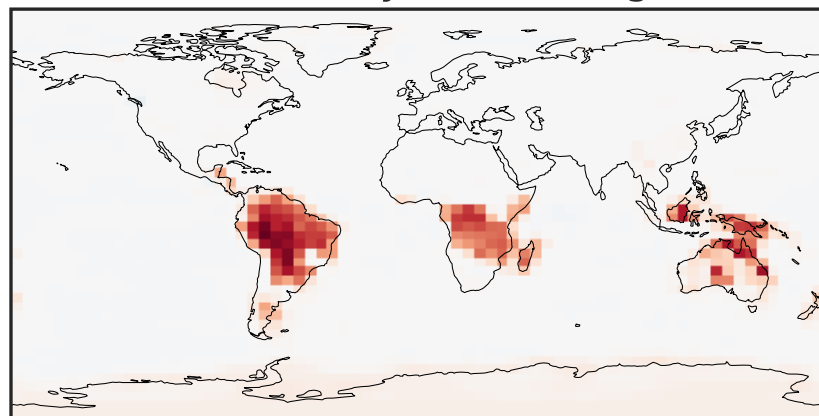
-0.0005 0.0000 0.0005
ppb

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



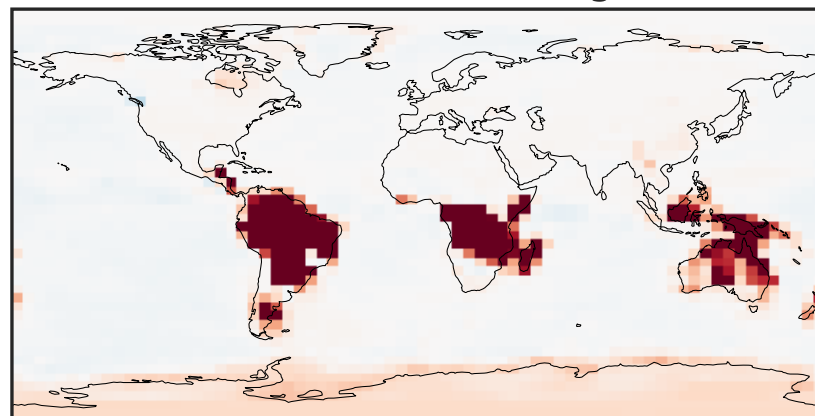
-8 0 8
ppb 1e-5

Ratio
Dev/Ref, Dynamic Range



0.106 0.553 1.000 5.211 9.422
unitless

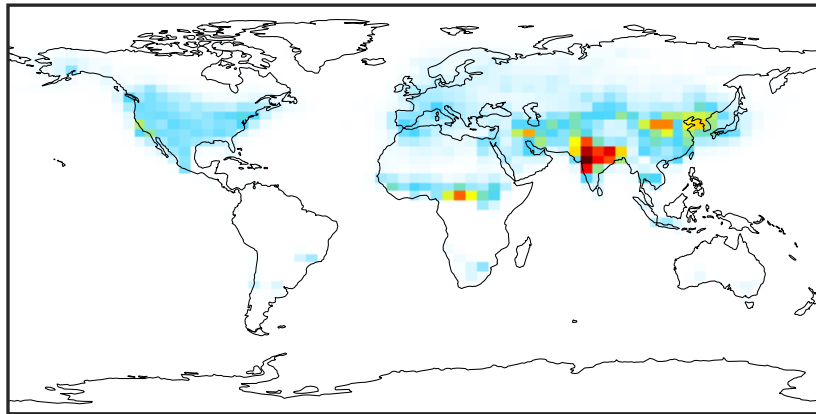
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

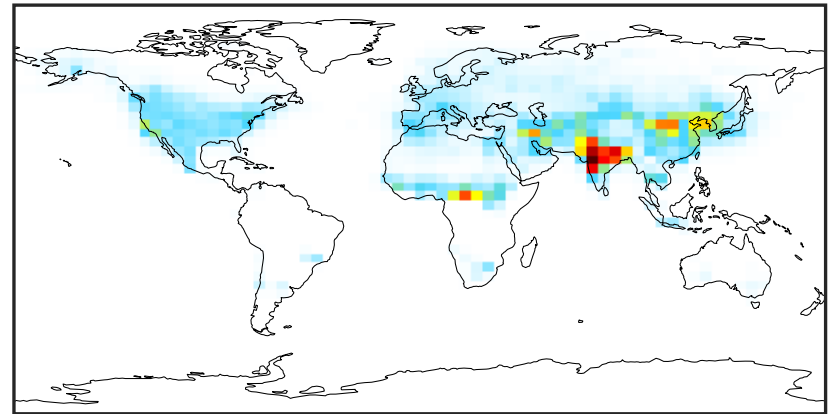
SpeciesConcVV_N2O5 (Jan2019)

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



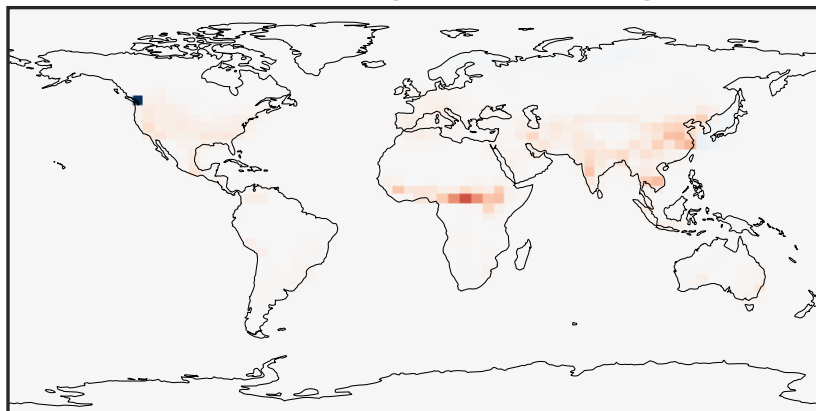
0.0000 0.0789 0.1578 0.2367 0.3156
ppb

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



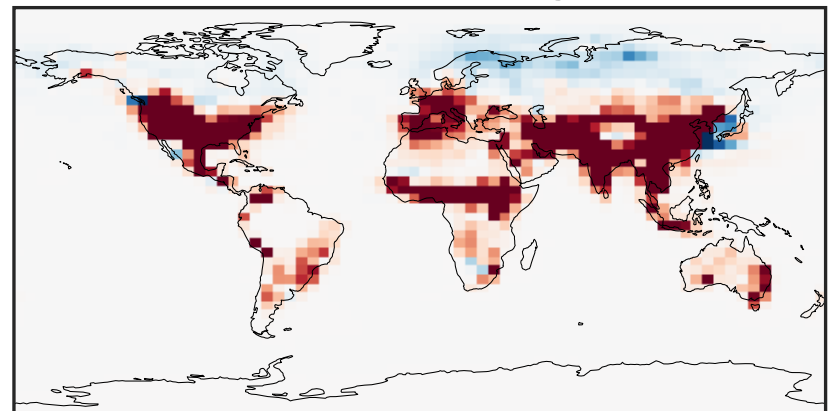
0.0000 0.0789 0.1578 0.2367 0.3156
ppb

Difference
Dev - Ref, Dynamic Range



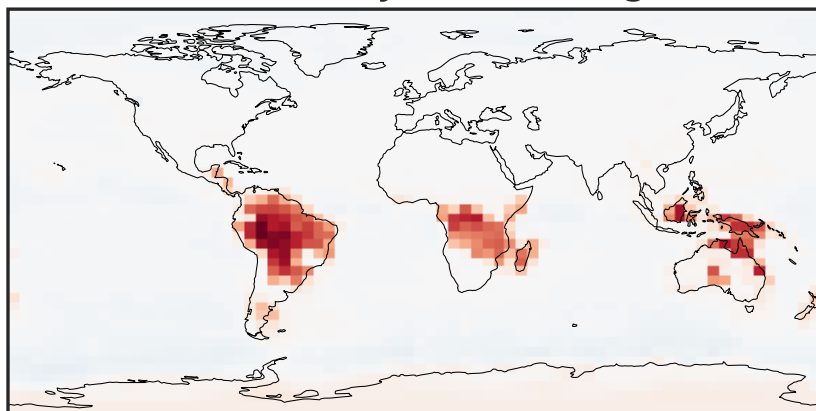
-0.006 0.000 0.006
ppb

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



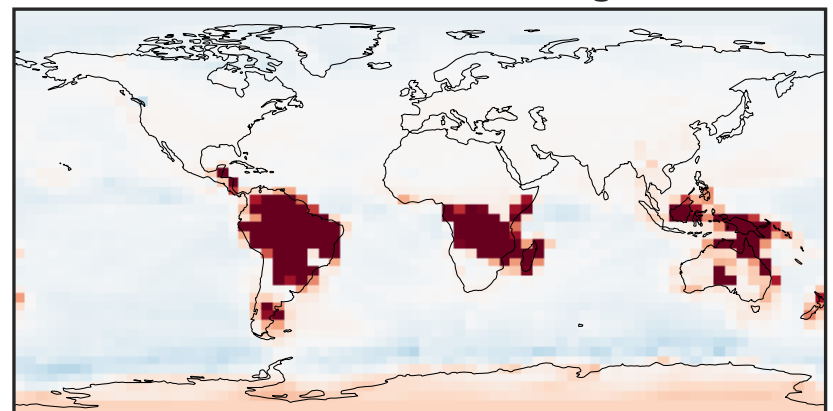
-0.00025 0.00000 0.00025
ppb

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

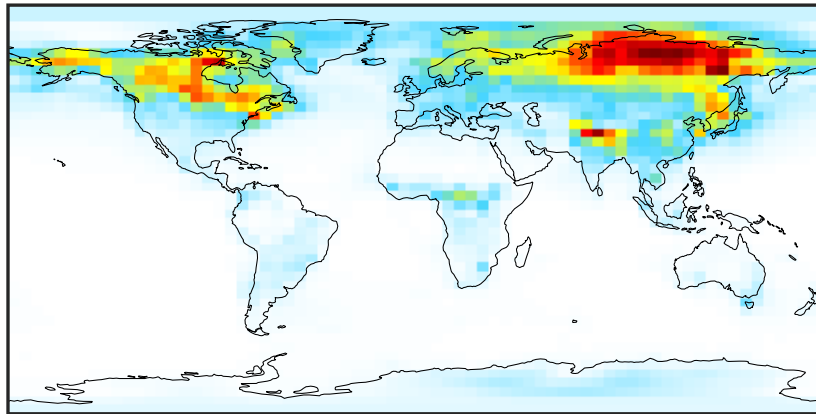
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

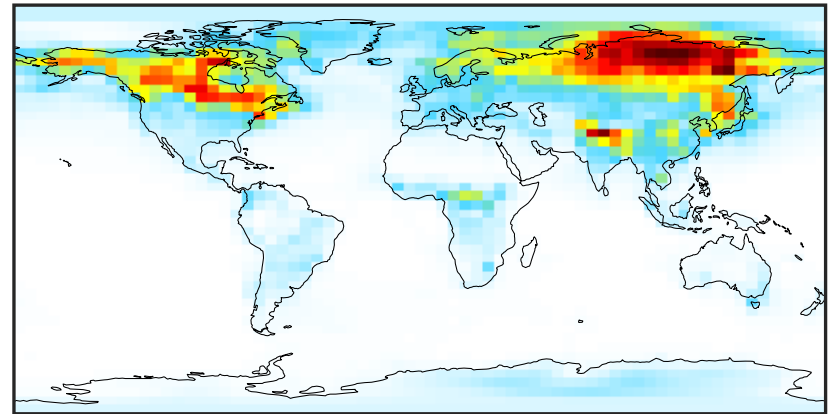
SpeciesConcVV_MPN (Jan2019)

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



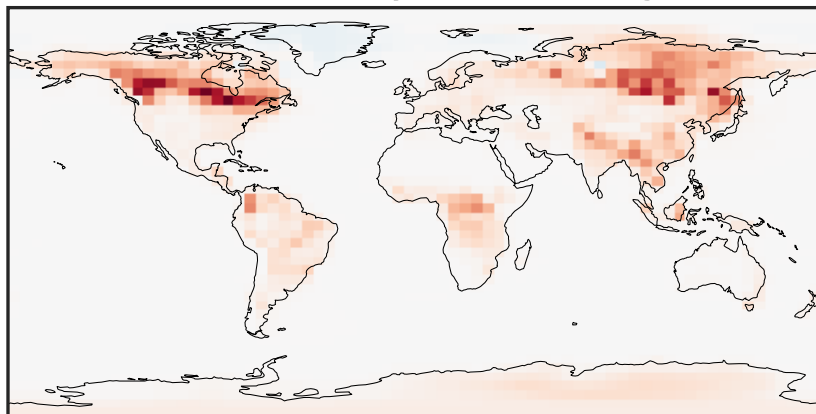
0.0008 0.0016 0.0024
ppb

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



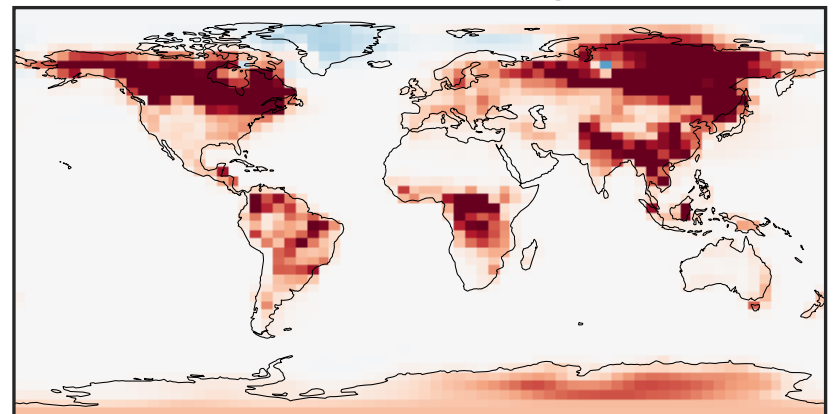
0.0008 0.0016 0.0024
ppb

Difference
Dev - Ref, Dynamic Range



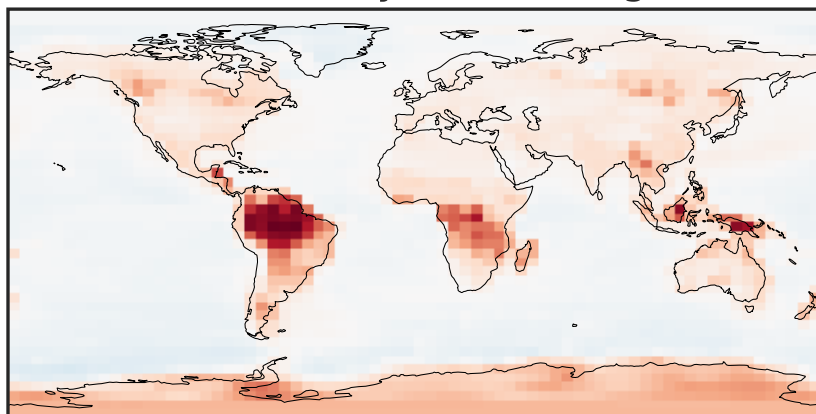
-0.0002 0.0000 0.0002
ppb

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



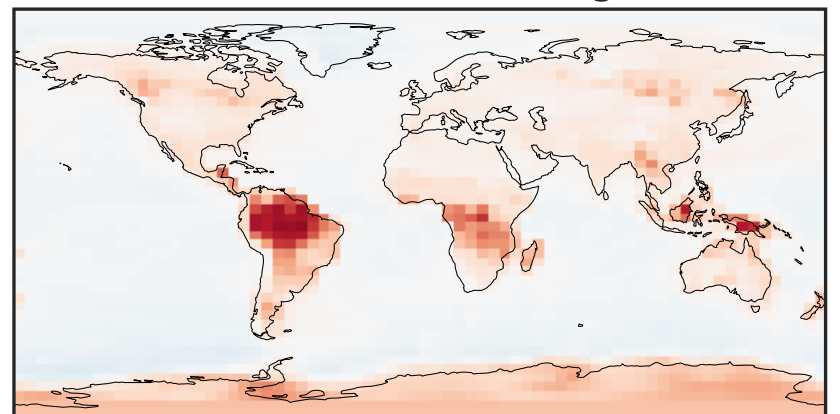
-5 0 5
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.542 0.771 1.000 1.422 1.845
unitless

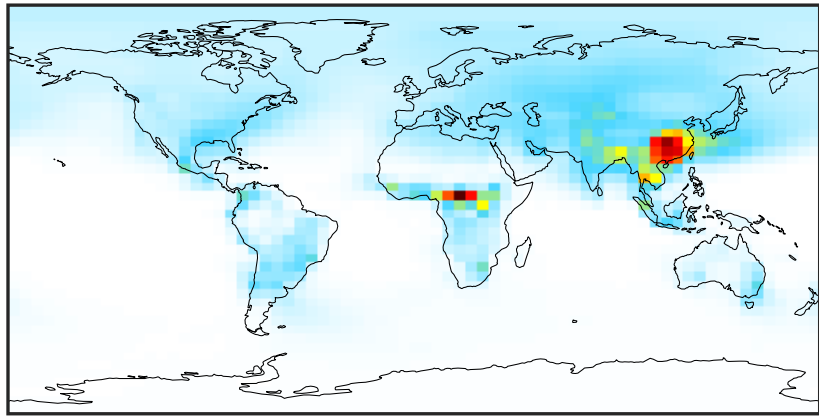
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

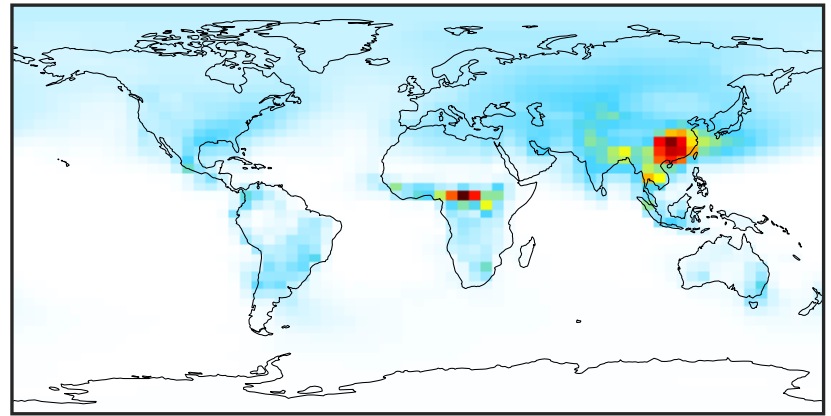
SpeciesConcVV_PAN (Jan2019)

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



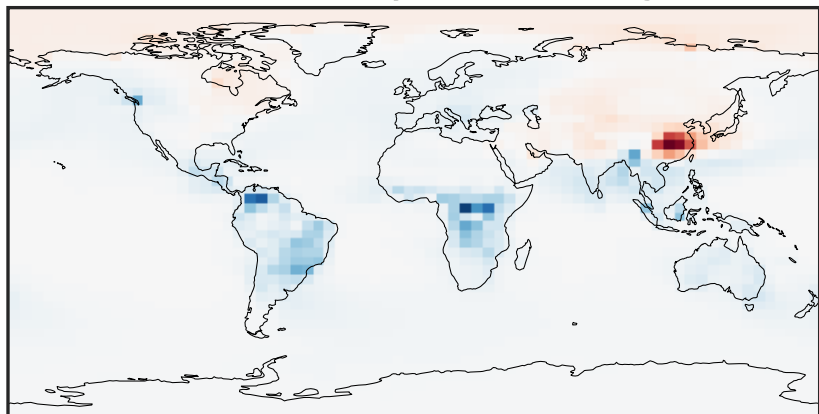
0.000 0.327 0.653 0.979 1.306
ppb

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



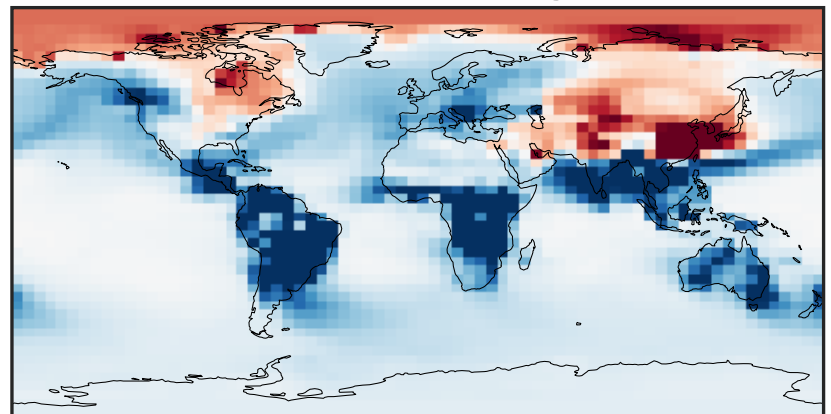
0.000 0.327 0.653 0.979 1.306
ppb

Difference
Dev - Ref, Dynamic Range



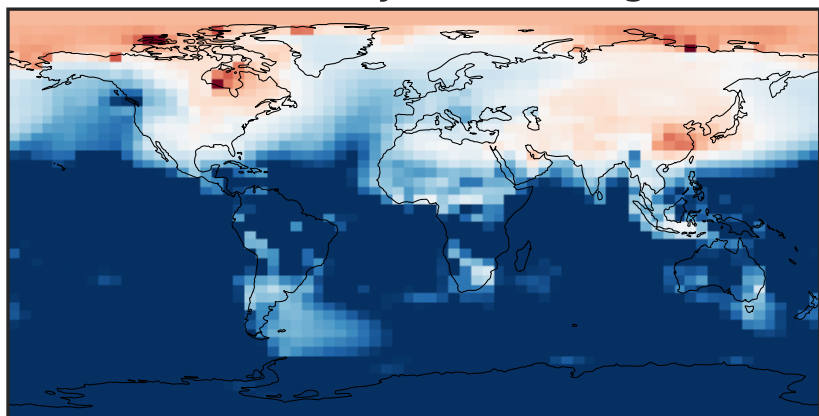
-0.02 0.00 0.02
ppb

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



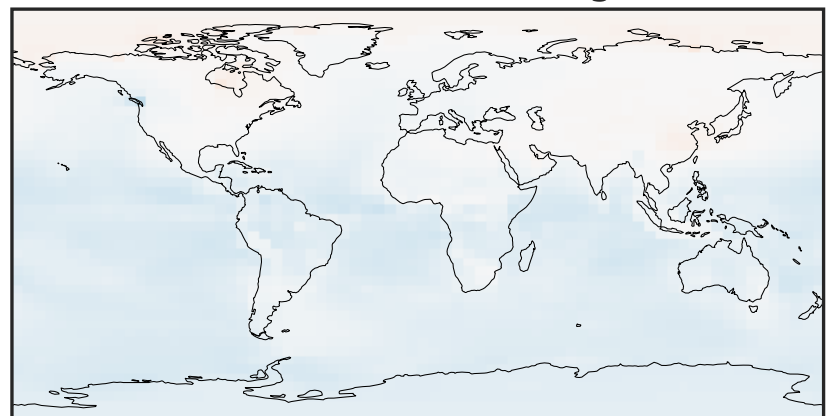
-0.0025 0.0000 0.0025
ppb

Ratio
Dev/Ref, Dynamic Range



0.9361 0.9681 1.0000 1.0341 1.0682
unitless

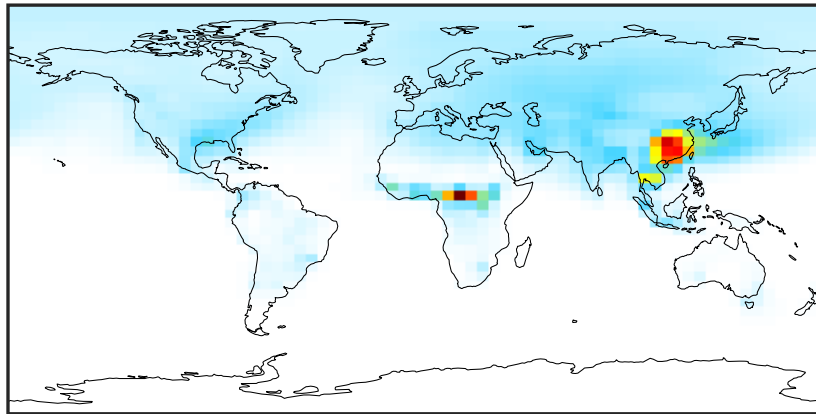
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

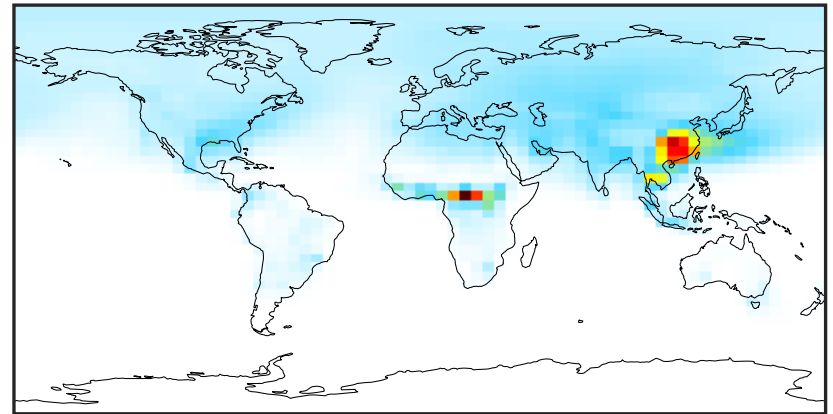
SpeciesConcVV_PPN (Jan2019)

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



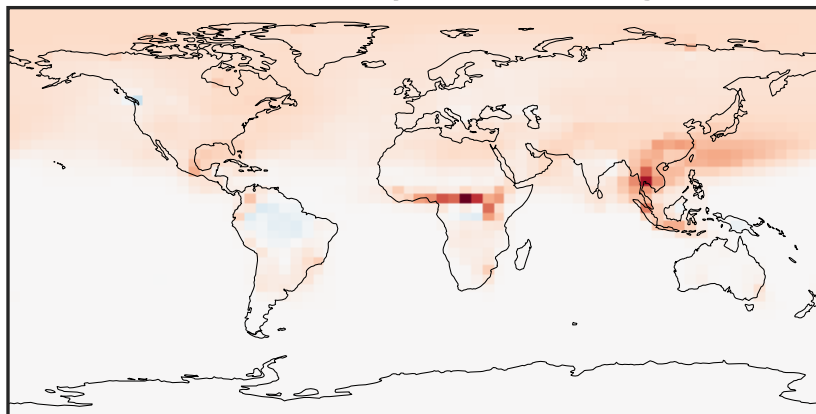
0.0000 0.1113 0.2227 0.3340 0.4453
ppb

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



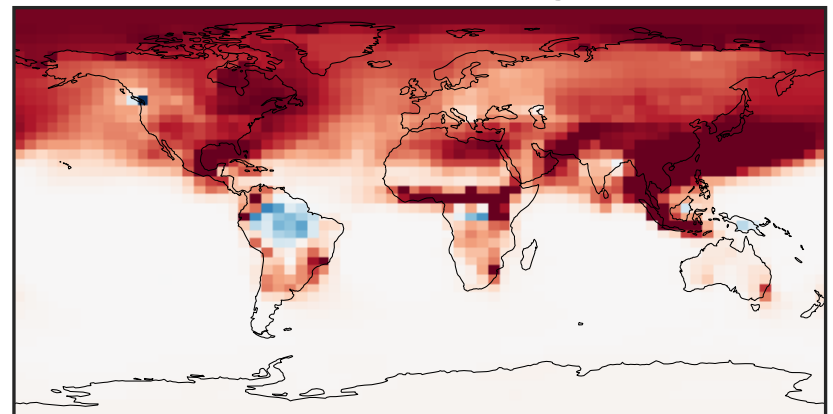
0.0000 0.1113 0.2227 0.3340 0.4453
ppb

Difference
Dev - Ref, Dynamic Range



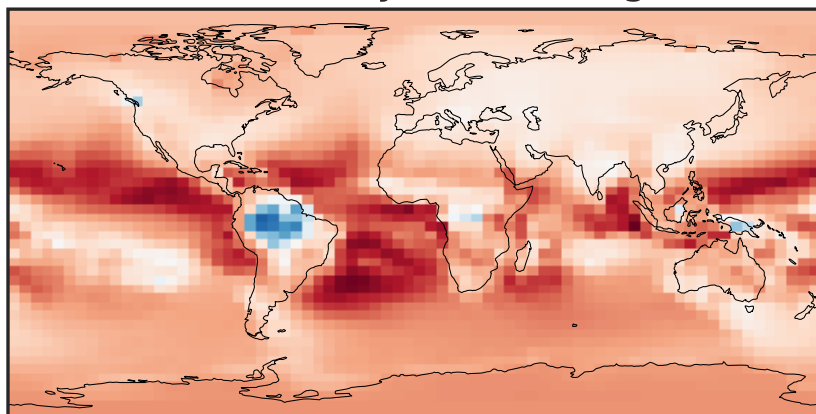
-0.008 0.000 0.008
ppb

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



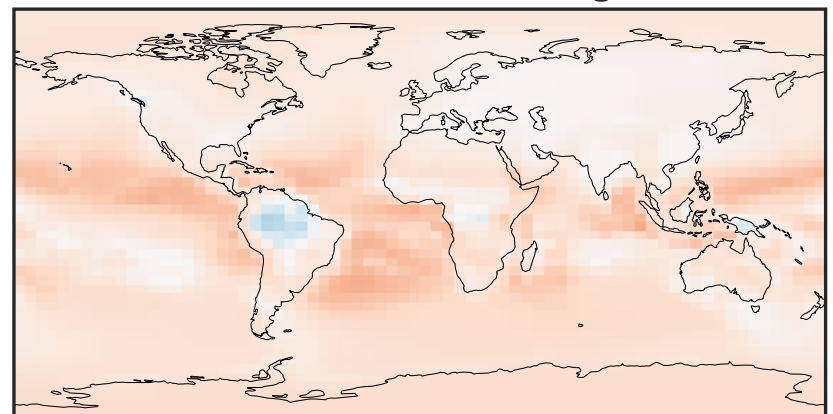
-0.002 0.000 0.002
ppb

Ratio
Dev/Ref, Dynamic Range



0.7741 0.8870 1.0000 1.1459 1.2918
unitless

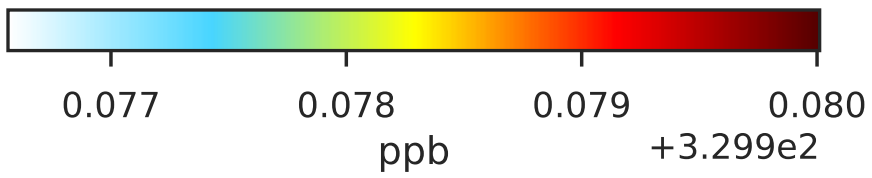
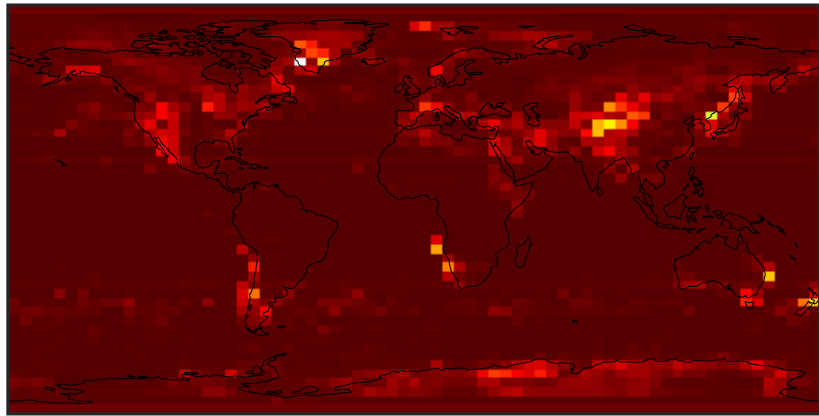
Ratio
Dev/Ref, Fixed Range



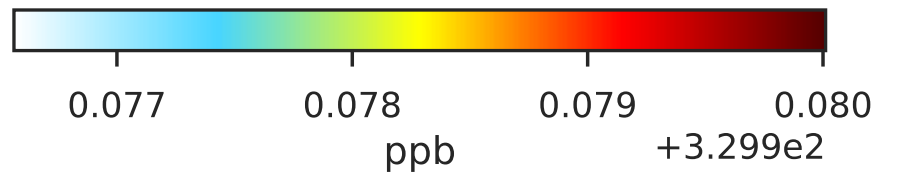
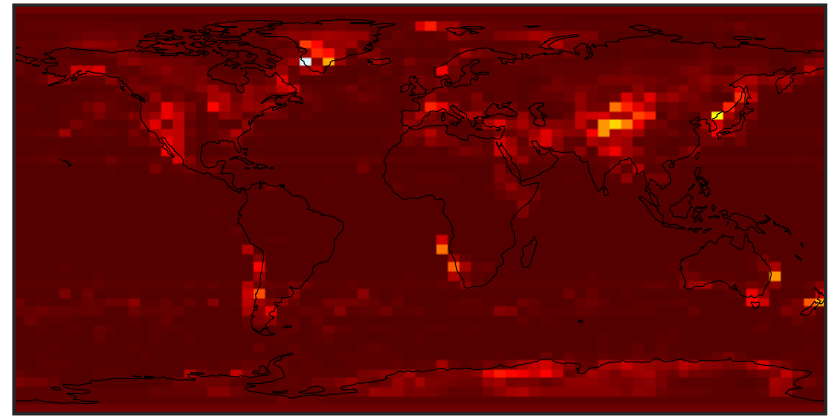
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_N2O (Jan2019)

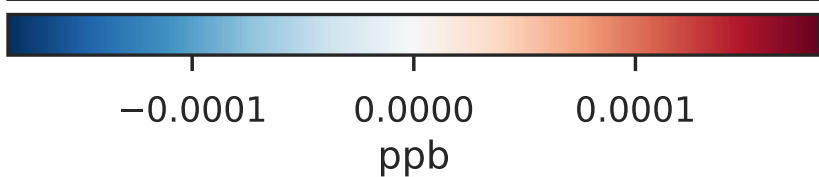
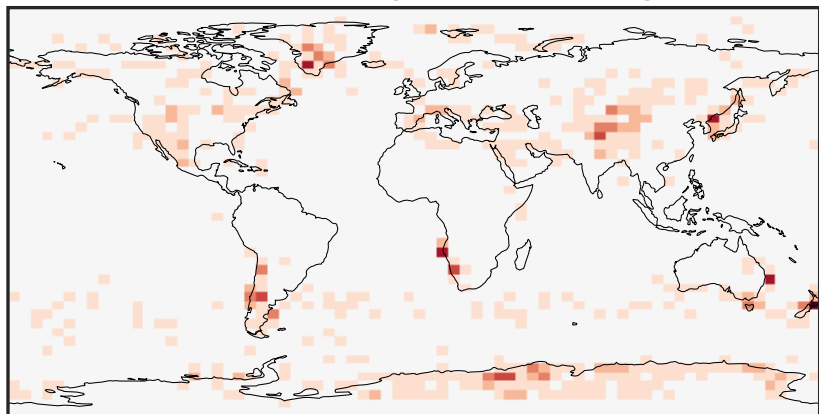
14.2.0-rc.2 (Ref)
4.0x5.0



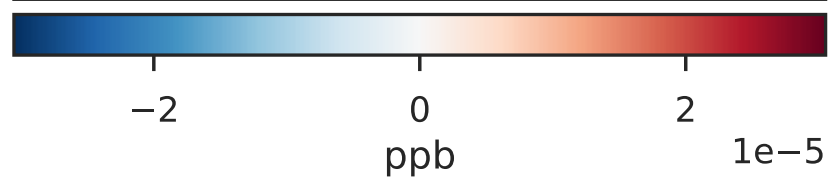
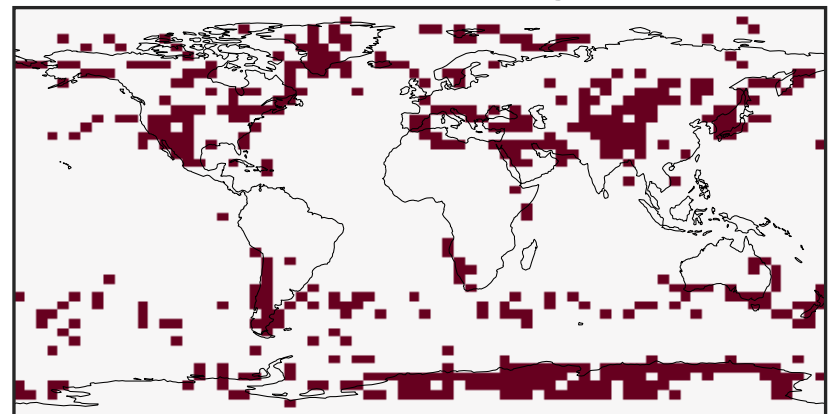
14.3.0-rc.0 (Dev)
4.0x5.0



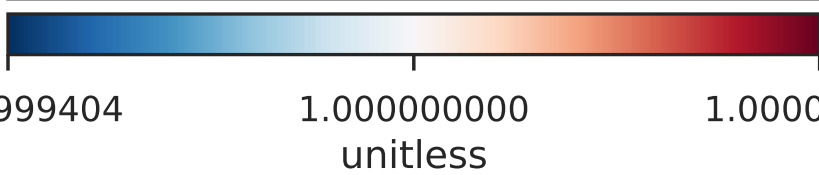
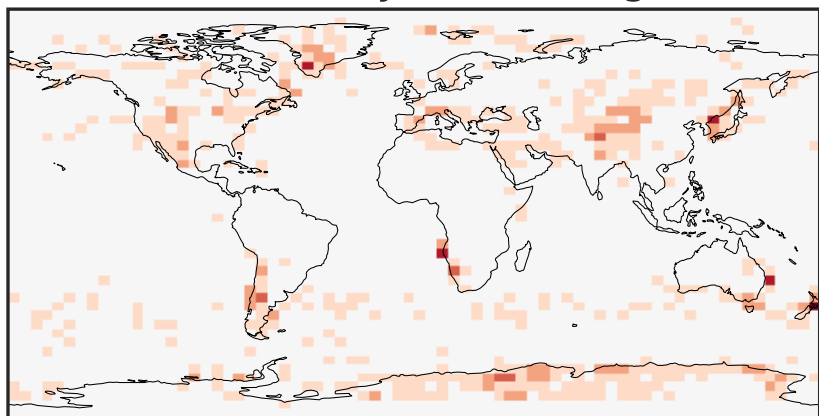
Difference
Dev - Ref, Dynamic Range



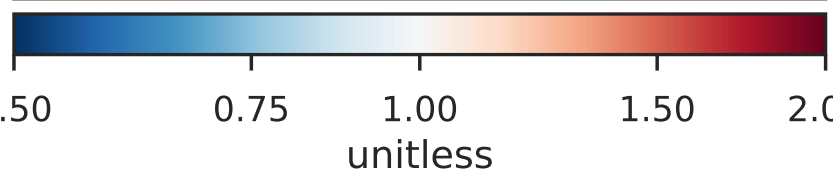
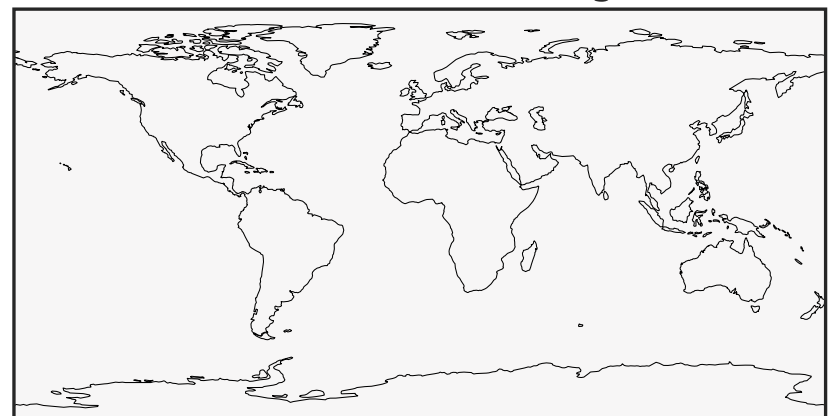
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



0.999999404

1.000000000

1.000000596

0.50

0.75

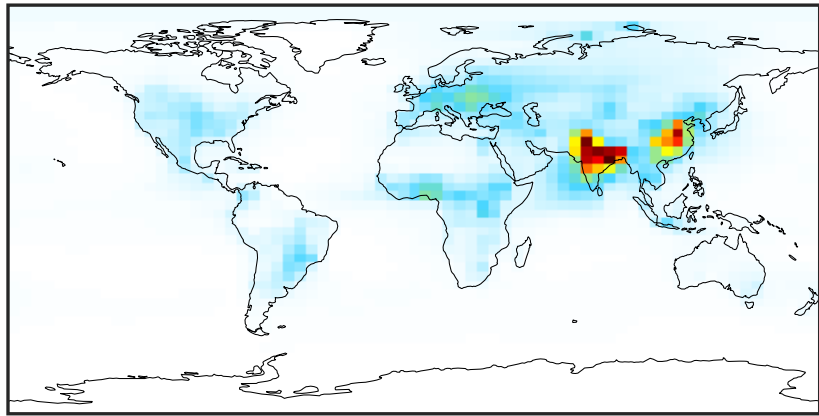
1.00

1.50

2.00

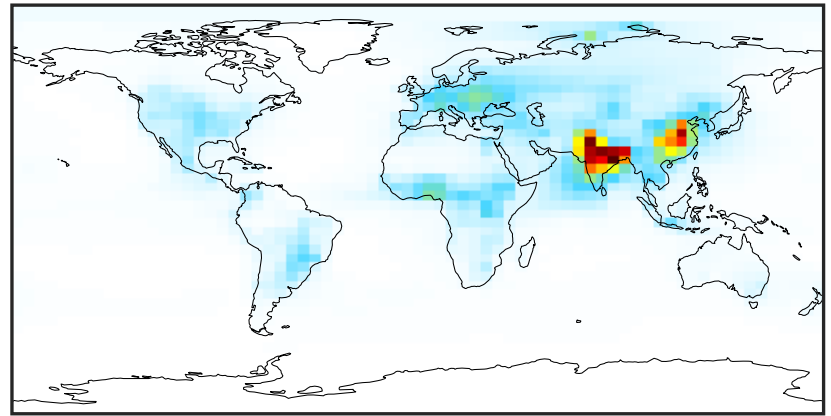
SpeciesConcVV_NHx (Jan2019)

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



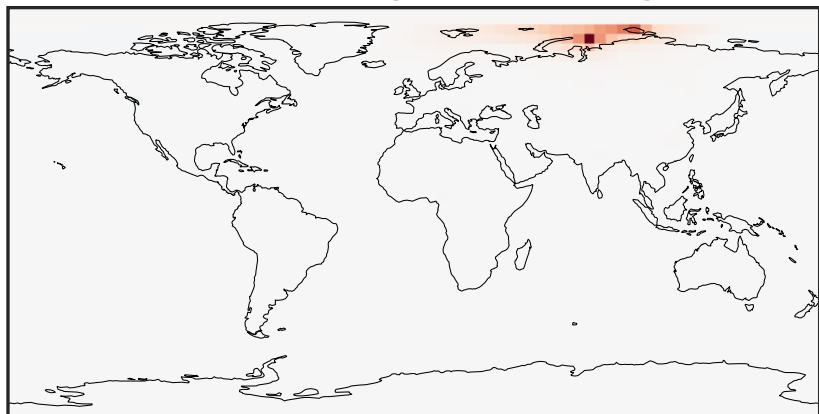
0.01 7.22 14.42 21.63 28.84
ppb

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



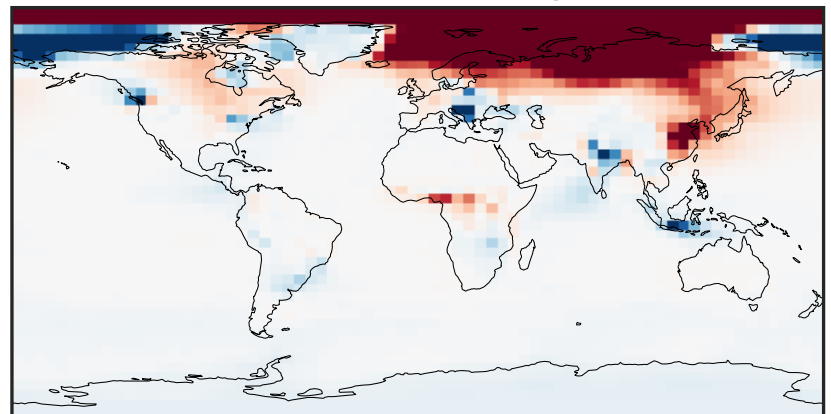
0.01 7.22 14.42 21.63 28.84
ppb

Difference
Dev - Ref, Dynamic Range



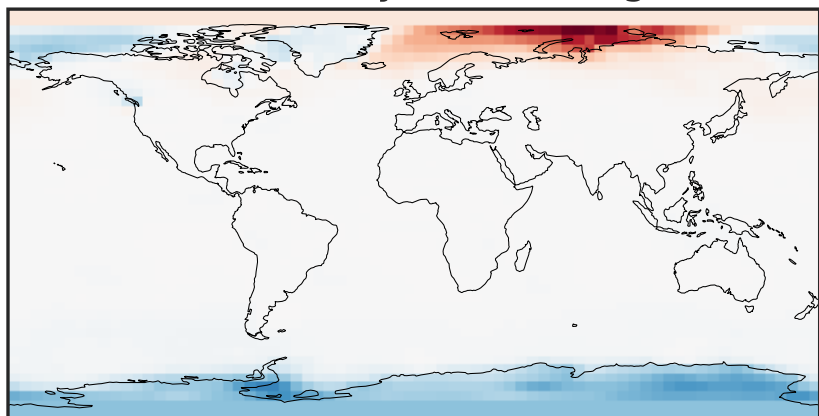
-2.566 -1.283 0.000 1.283 2.566
ppb

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



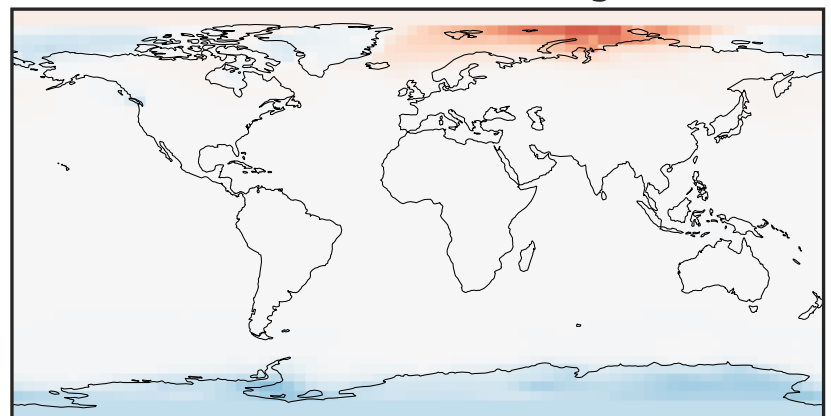
-0.015 0.000 0.015
ppb

Ratio
Dev/Ref, Dynamic Range



0.6570 0.8285 1.0000 1.2610 1.5221
unitless

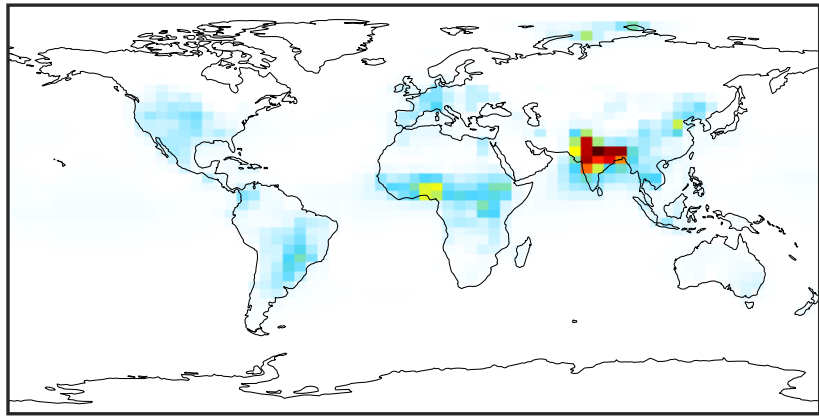
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

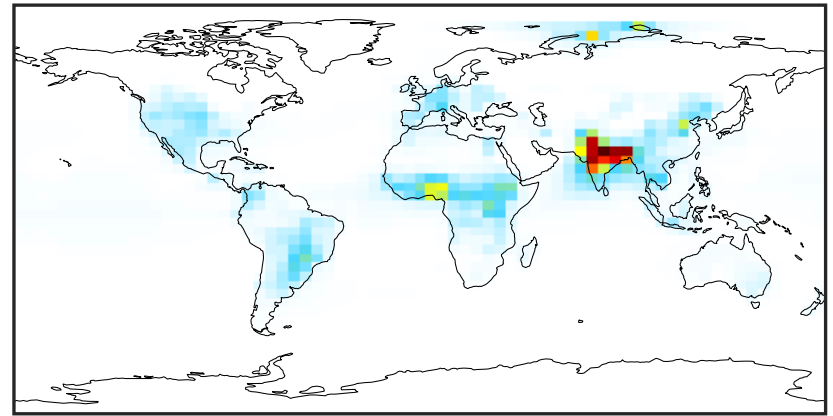
SpeciesConcVV_NH3 (Jan2019)

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



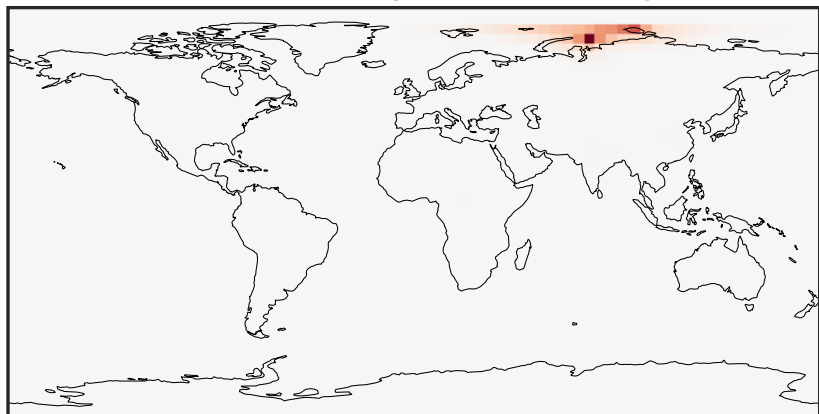
0.00 4.29 8.57 12.86 17.15
ppb

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



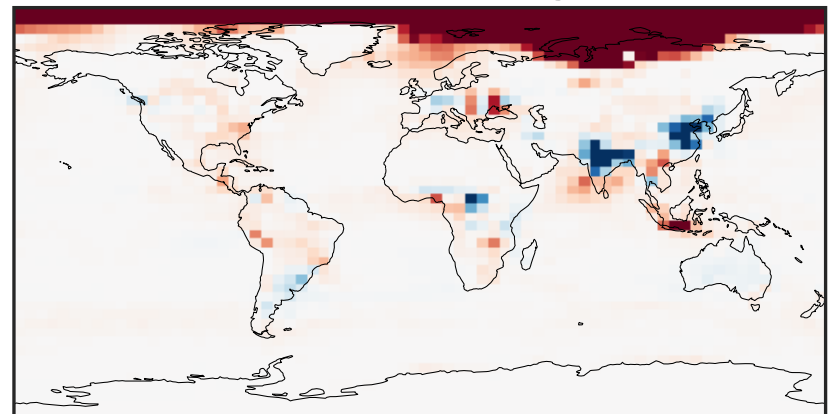
0.00 4.29 8.57 12.86 17.15
ppb

Difference
Dev - Ref, Dynamic Range



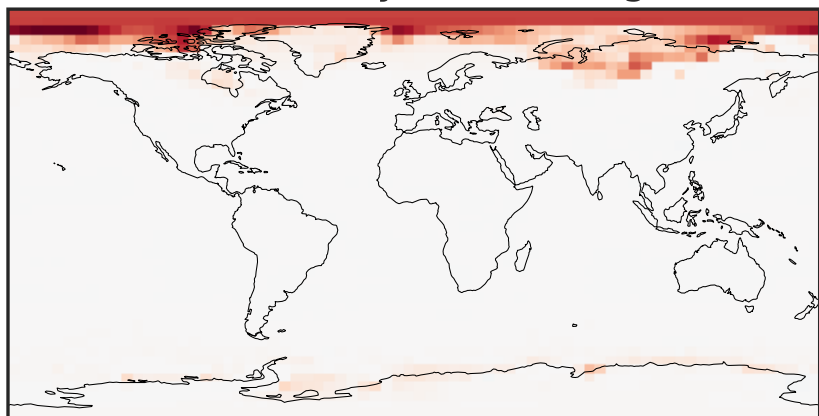
-2.571 -1.286 0.000 1.286 2.571
ppb

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



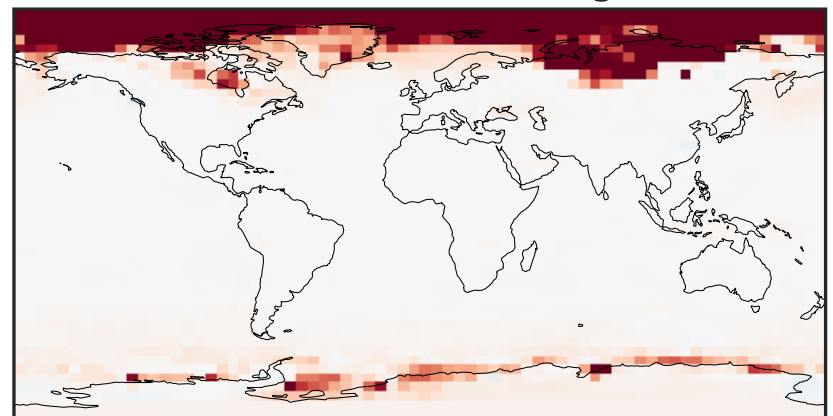
-0.01 0.00 0.01
ppb

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

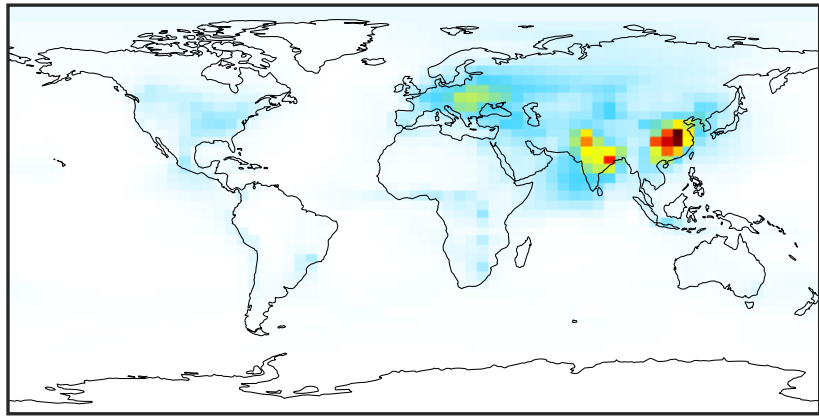
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

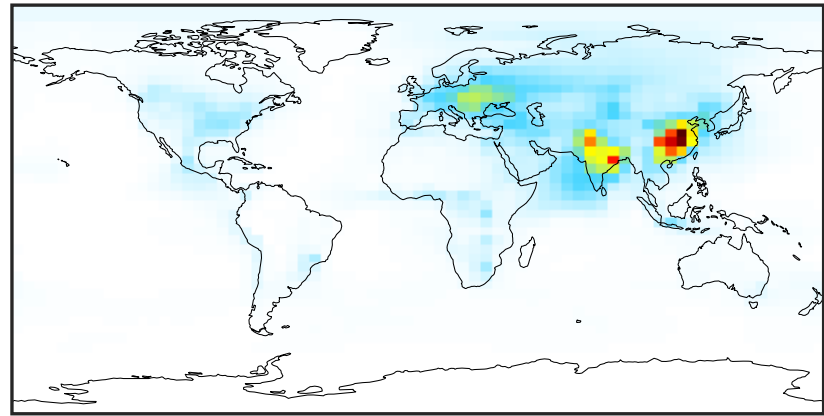
SpeciesConcVV_NH4 (Jan2019)

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



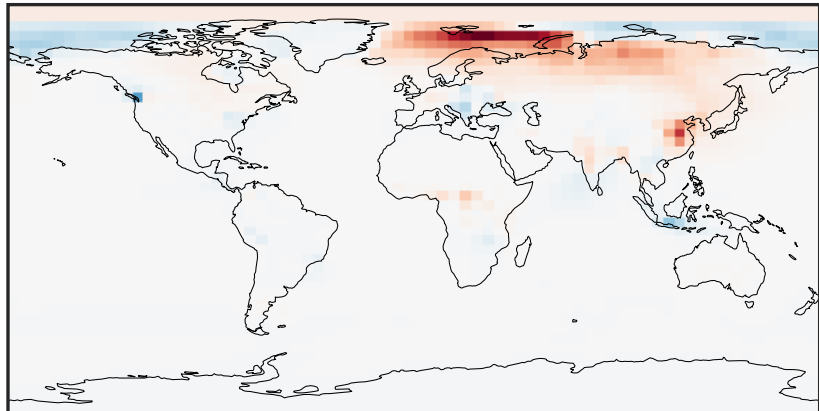
0.01 5.20 10.38 15.57 20.76
ppb

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



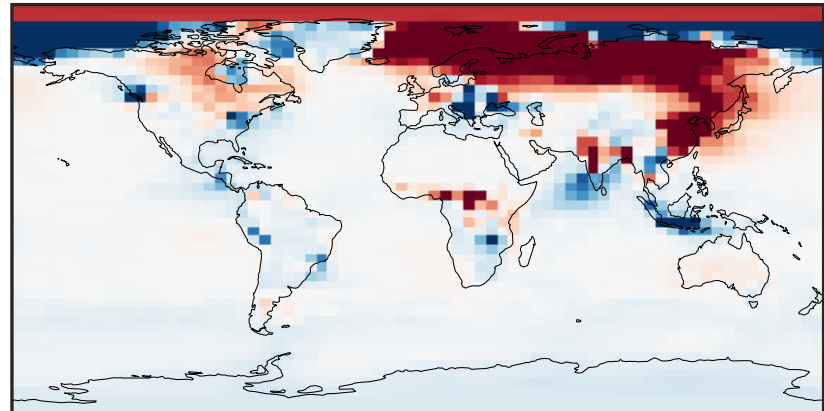
0.01 5.20 10.38 15.57 20.76
ppb

Difference
Dev - Ref, Dynamic Range



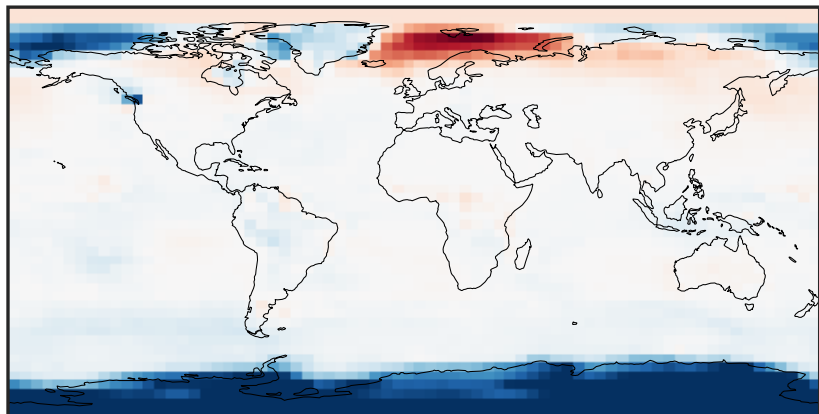
-0.1461 -0.0731 0.0000 0.0731 0.1461
ppb

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



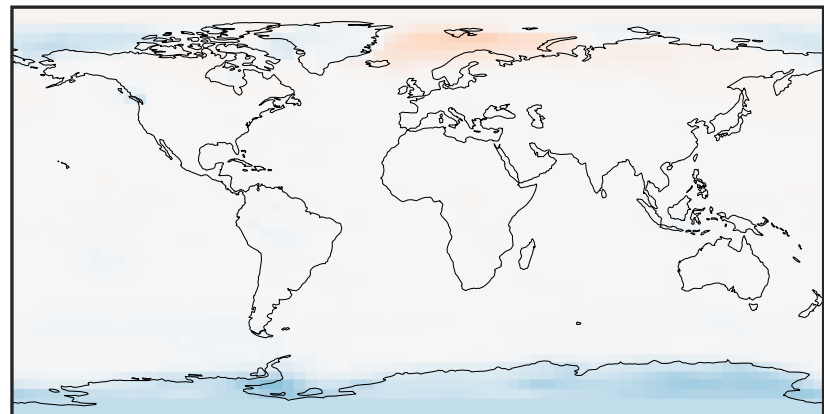
-0.01 0.00 0.01
ppb

Ratio
Dev/Ref, Dynamic Range



0.8547 0.9273 1.0000 1.0850 1.1701
unitless

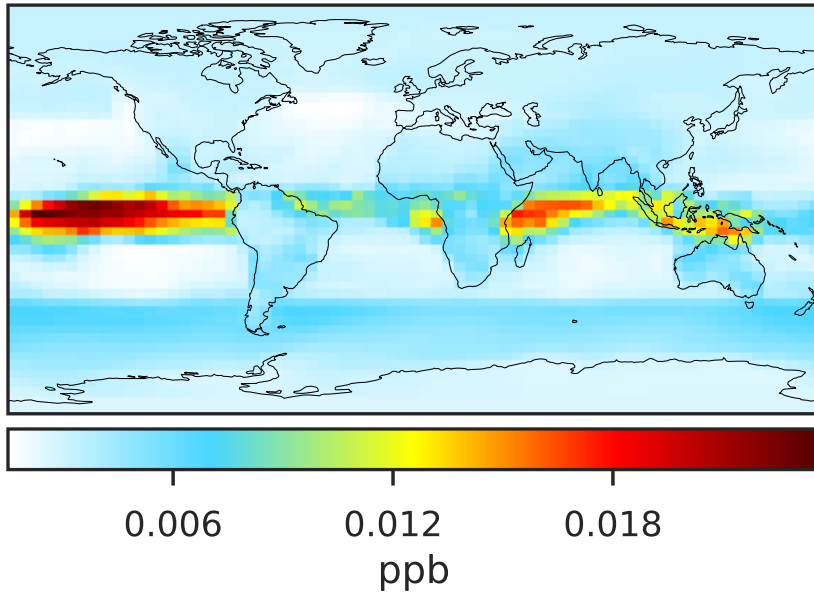
Ratio
Dev/Ref, Fixed Range



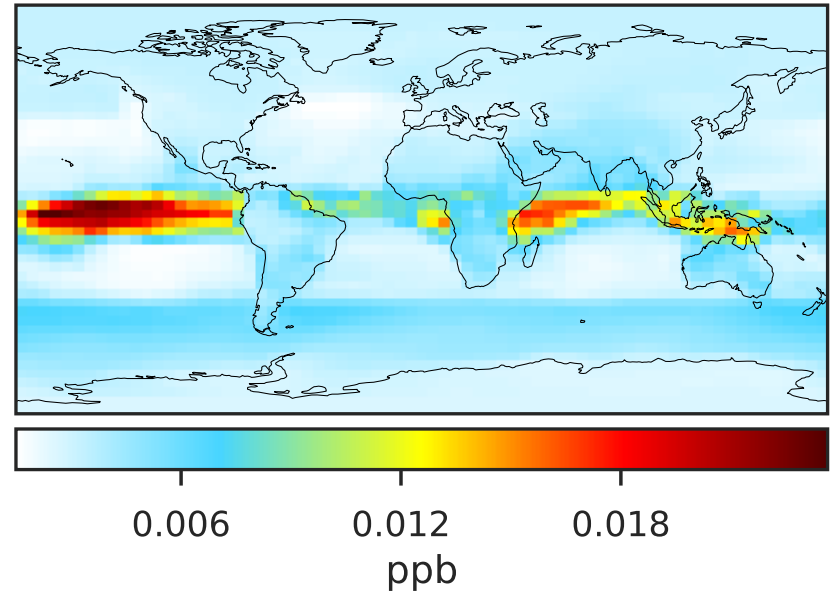
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_MENO3 (Jan2019)

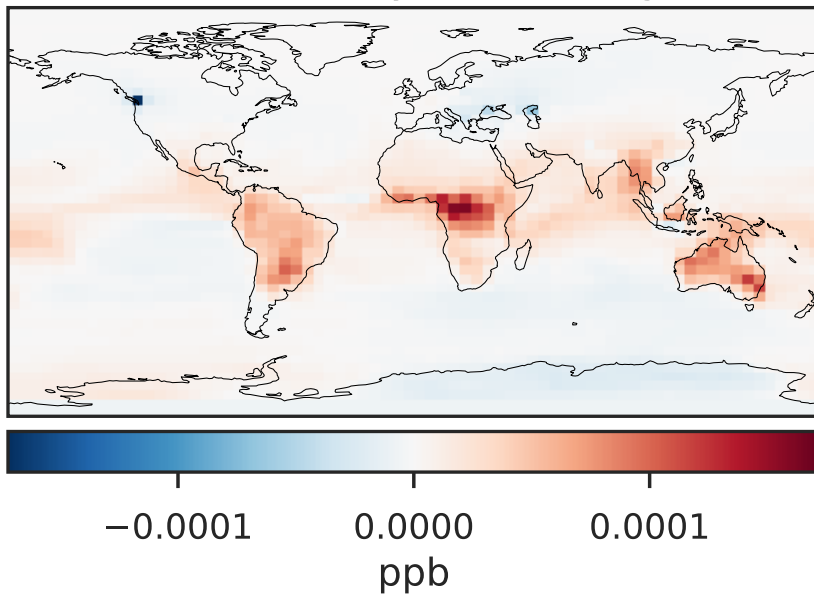
14.2.0-rc.2 (Ref)
4.0x5.0



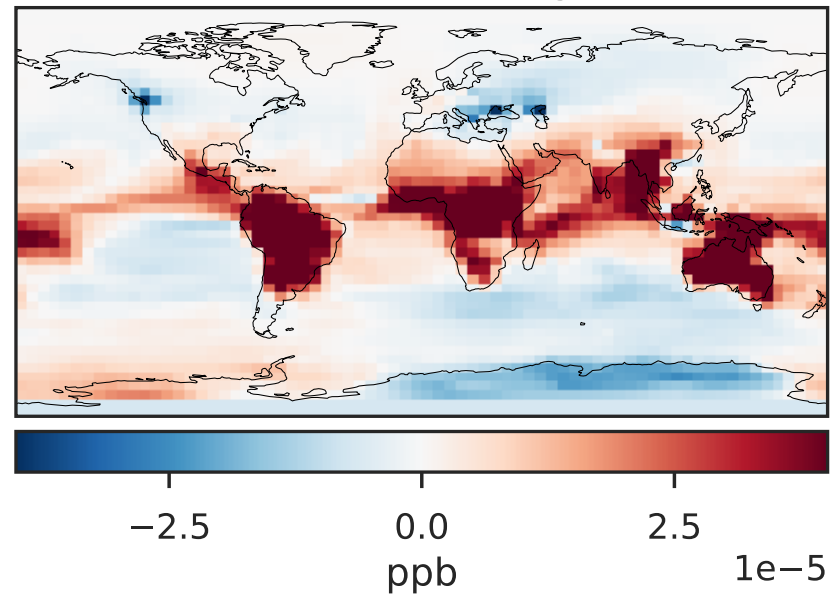
14.3.0-rc.0 (Dev)
4.0x5.0



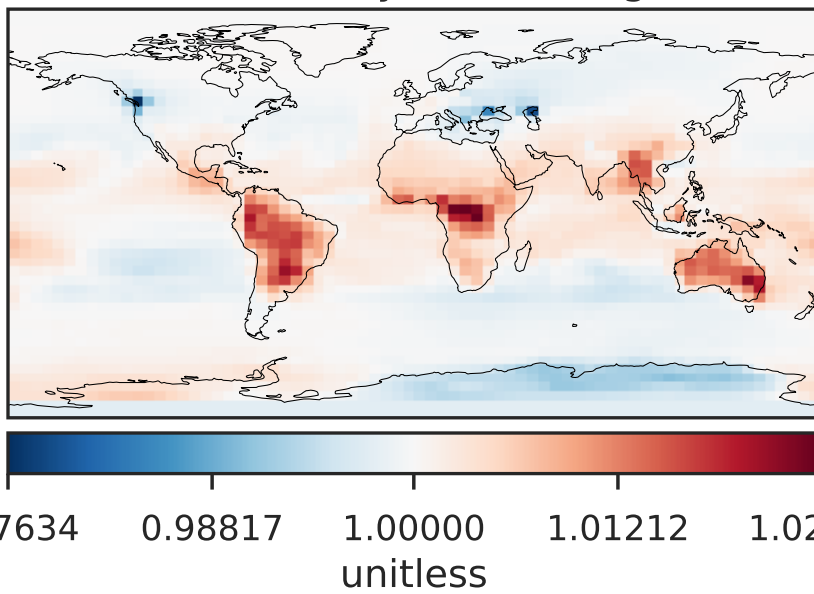
Difference
Dev - Ref, Dynamic Range



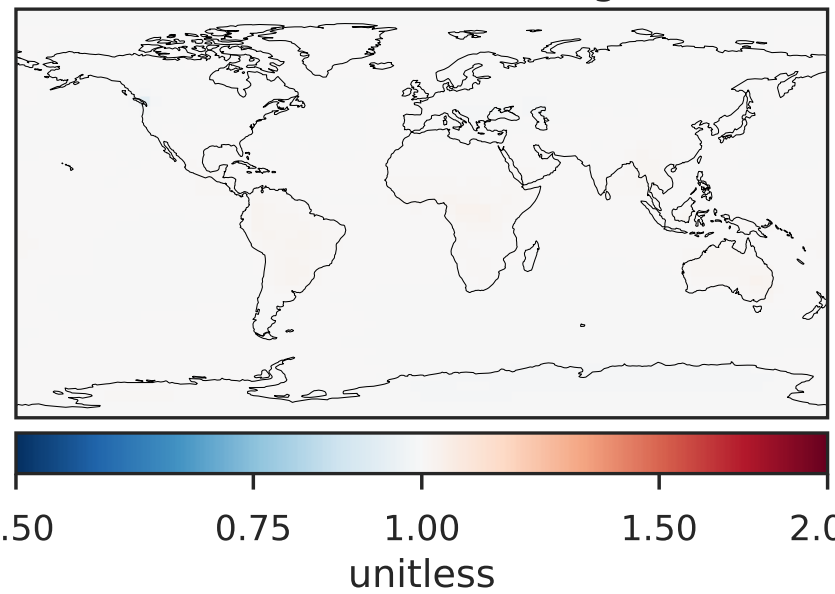
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

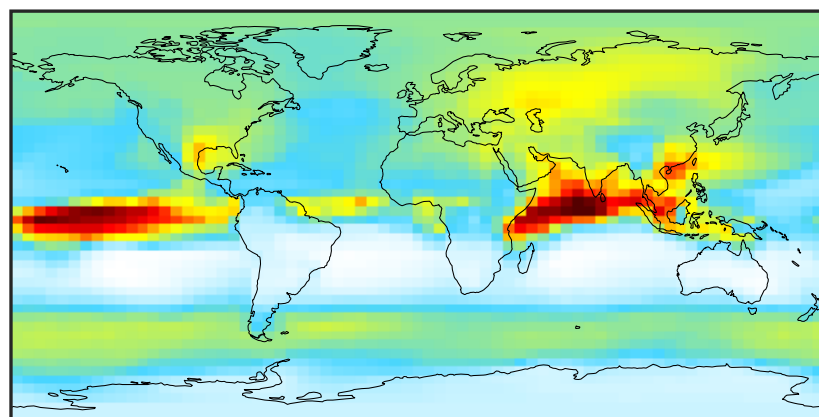


Ratio
Dev/Ref, Fixed Range



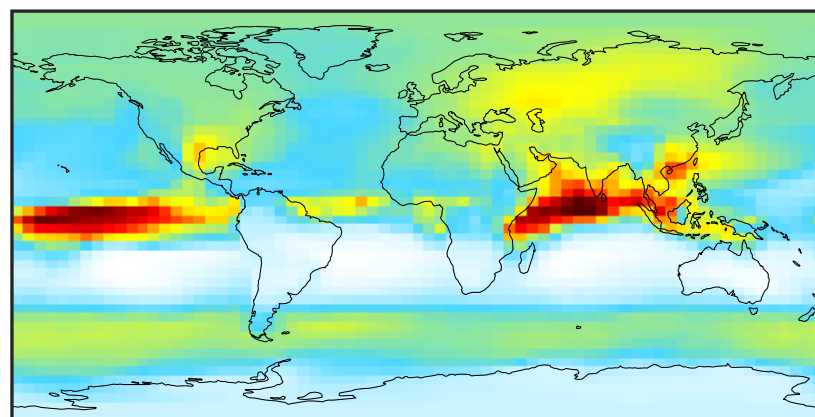
SpeciesConcVV_ETNO3 (Jan2019)

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



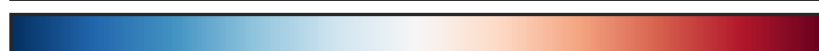
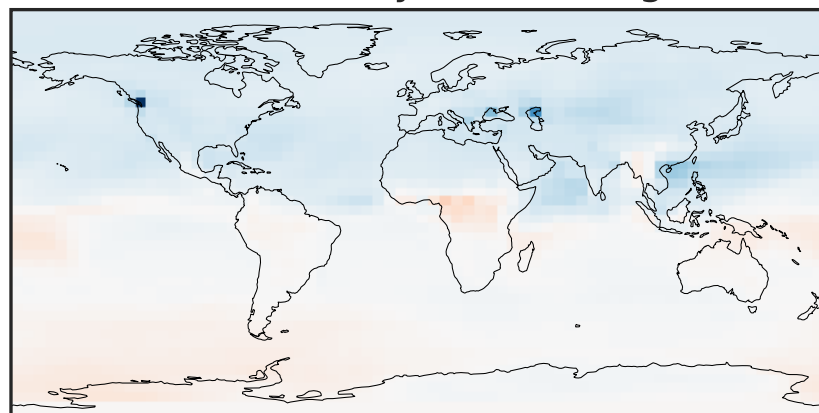
0.0025 0.0050 0.0075
ppb

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



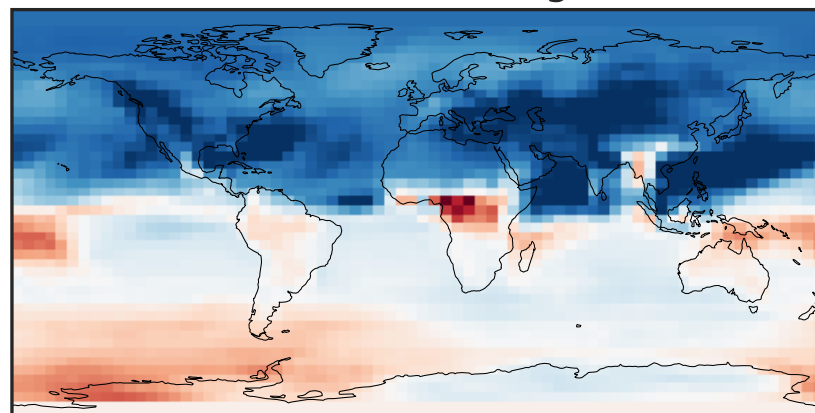
0.0025 0.0050 0.0075
ppb

Difference
Dev - Ref, Dynamic Range



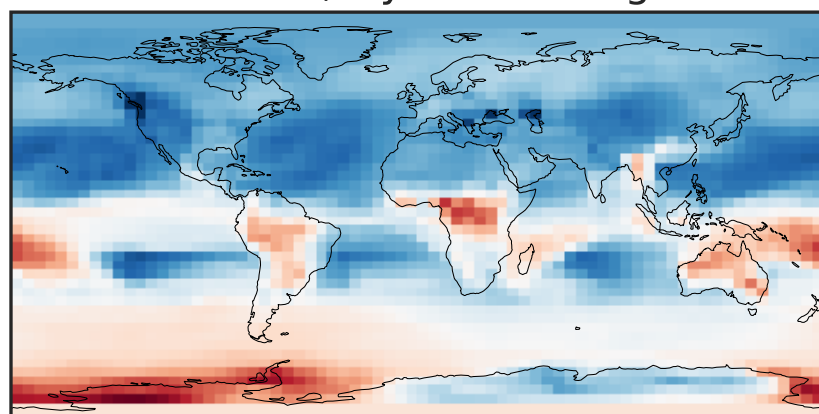
-0.00015 0.00000 0.00015
ppb

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



-2.5 0.0 2.5
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.98034 0.99017 1.00000 1.01003 1.02006
unitless

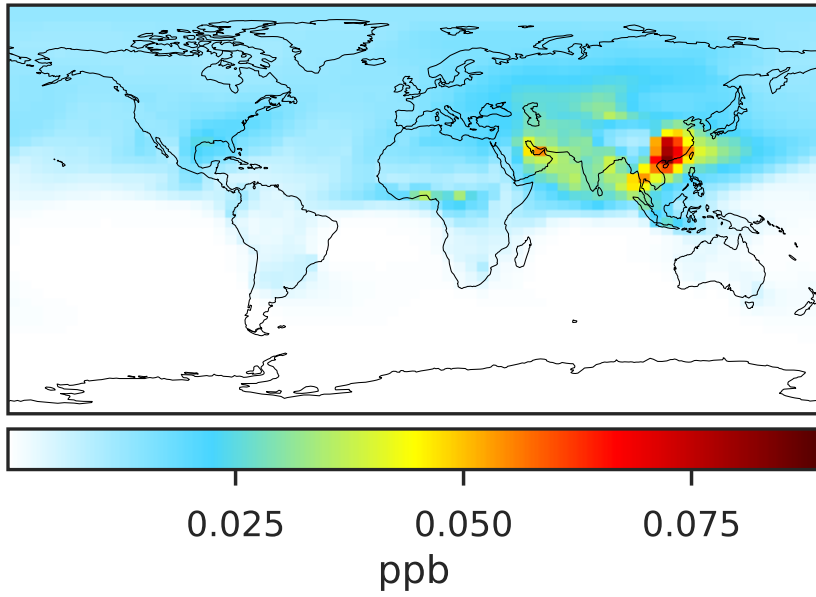
Ratio
Dev/Ref, Fixed Range



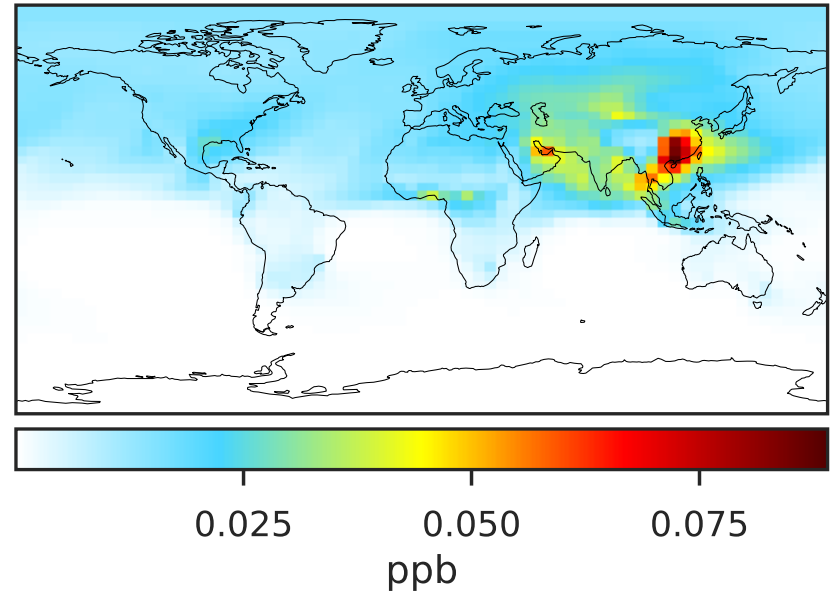
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_IPRNO3 (Jan2019)

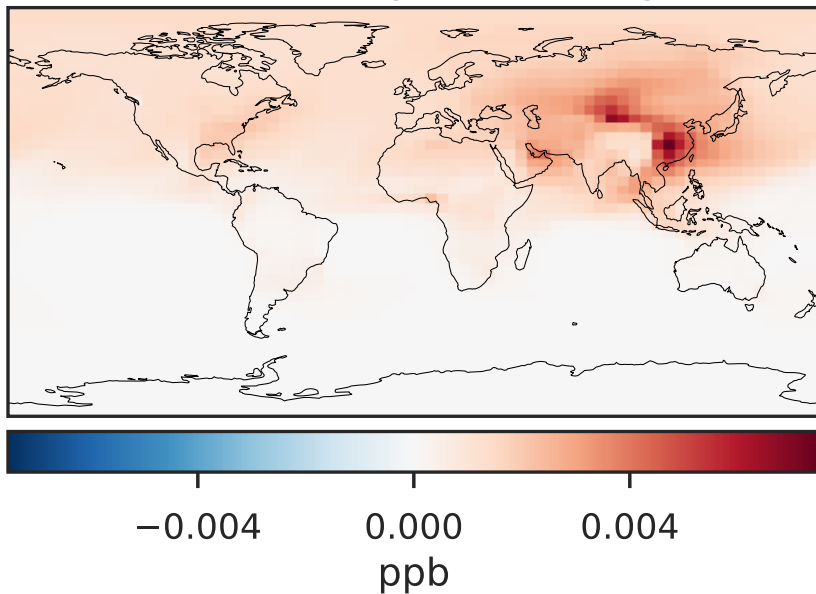
14.2.0-rc.2 (Ref)
4.0x5.0



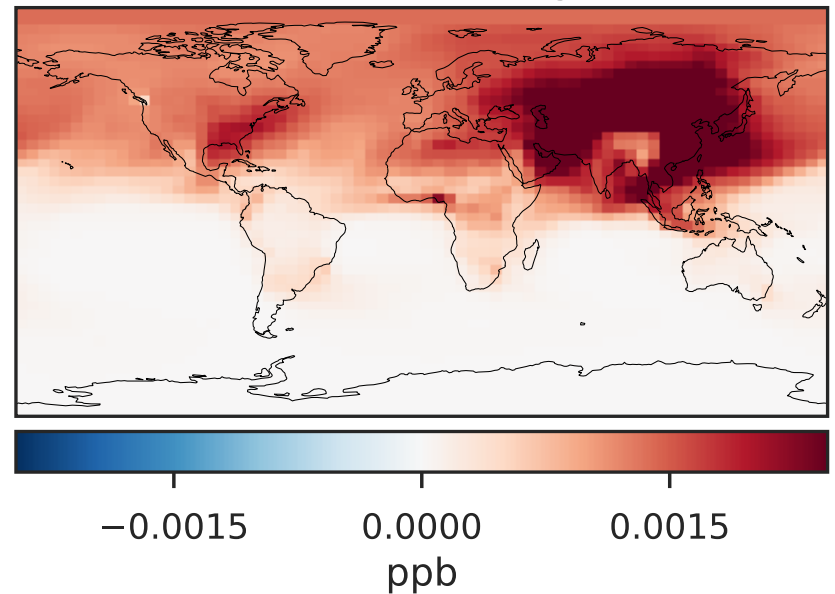
14.3.0-rc.0 (Dev)
4.0x5.0



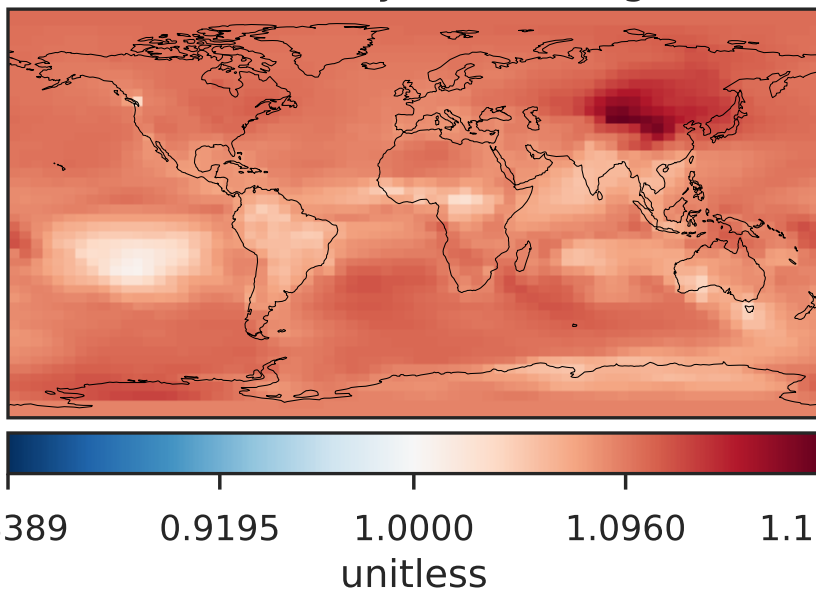
Difference
Dev - Ref, Dynamic Range



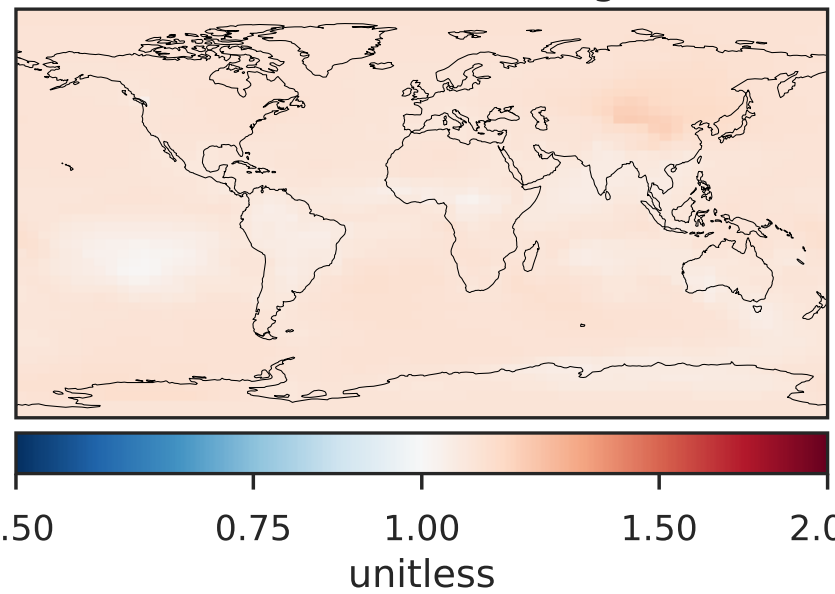
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

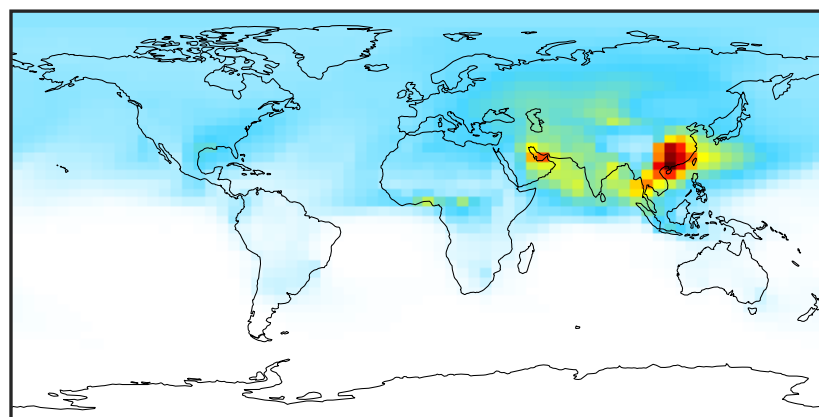


Ratio
Dev/Ref, Fixed Range



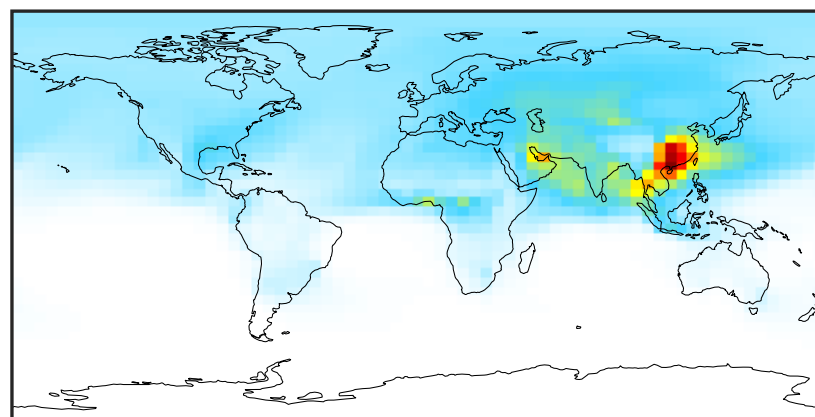
SpeciesConcVV_NPRNO3 (Jan2019)

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



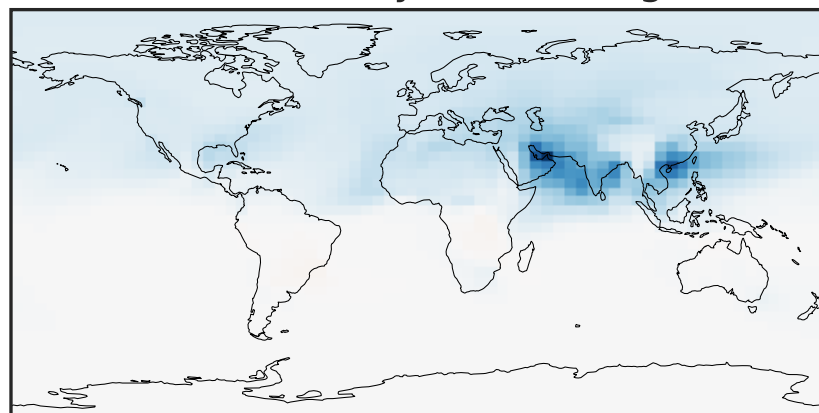
0.006 0.012 0.018
ppb

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



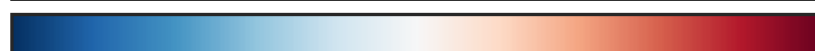
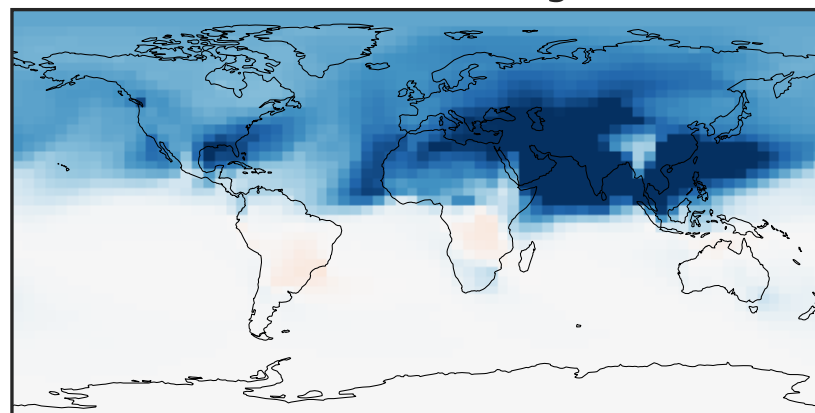
0.006 0.012 0.018
ppb

Difference
Dev - Ref, Dynamic Range



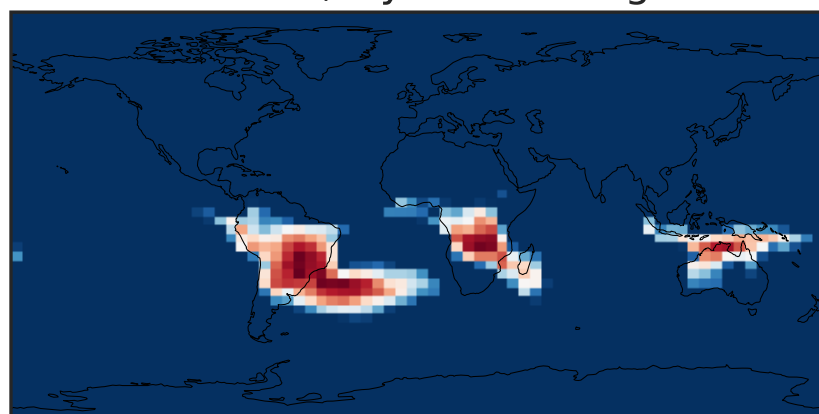
-0.001 0.000 0.001
ppb

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



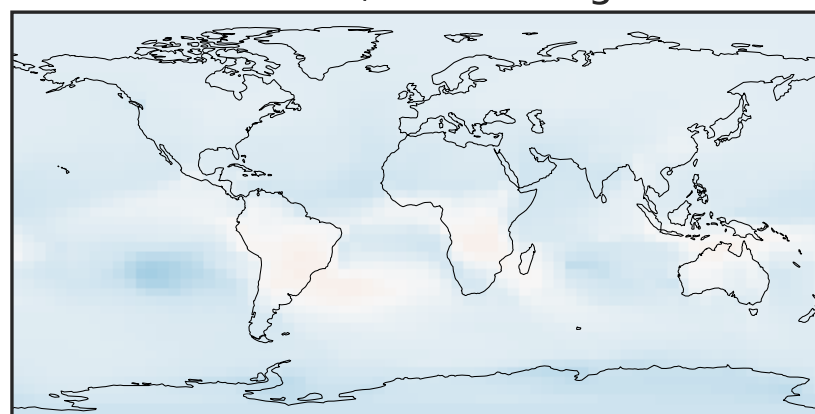
-0.0003 0.0000 0.0003
ppb

Ratio
Dev/Ref, Dynamic Range



0.96731 0.98366 1.00000 1.01690 1.03379
unitless

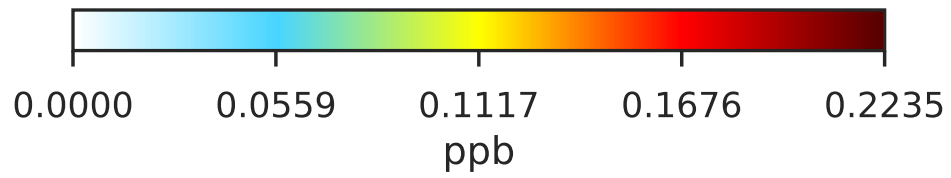
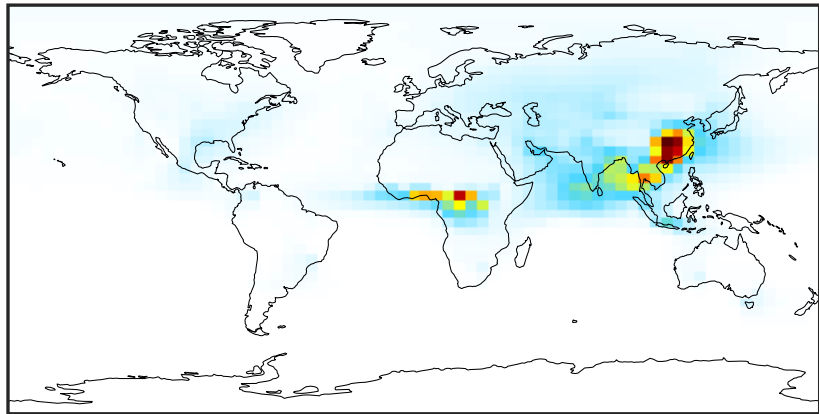
Ratio
Dev/Ref, Fixed Range



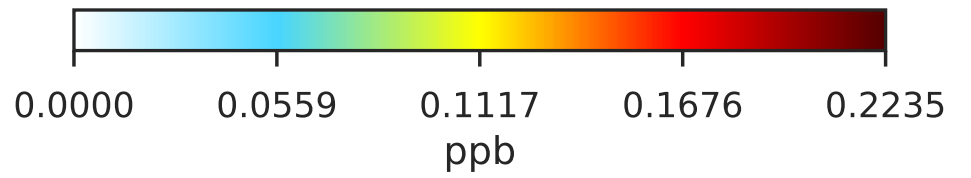
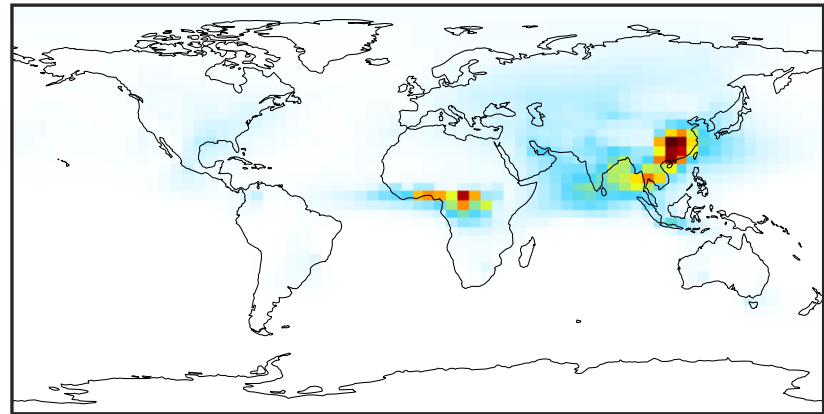
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_AONITA (Jan2019)

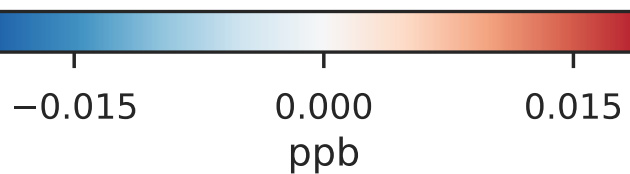
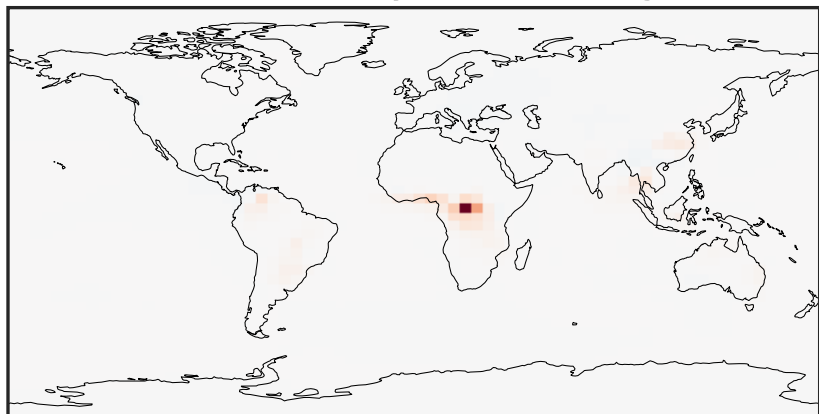
14.2.0-rc.2 (Ref)
4.0x5.0



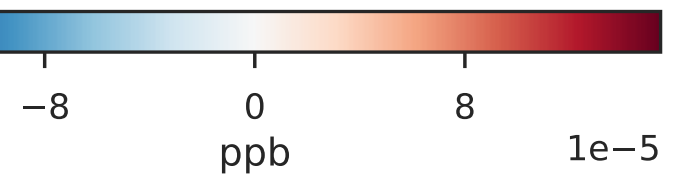
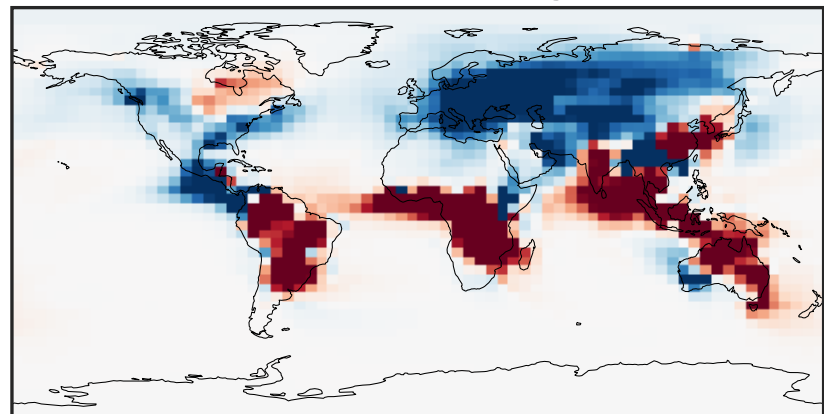
14.3.0-rc.0 (Dev)
4.0x5.0



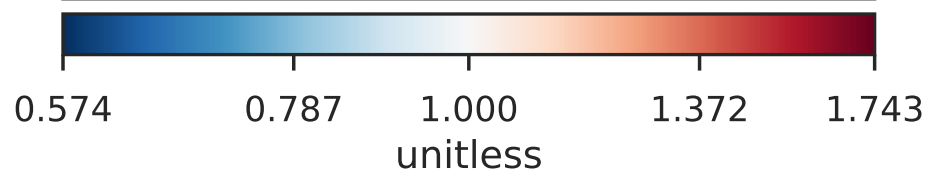
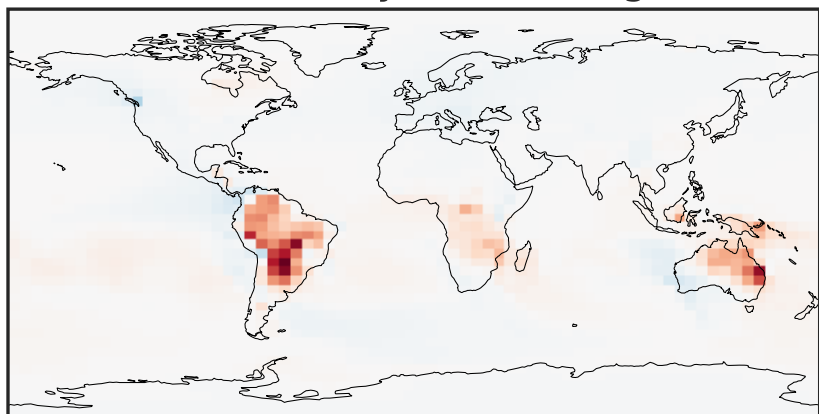
Difference
Dev - Ref, Dynamic Range



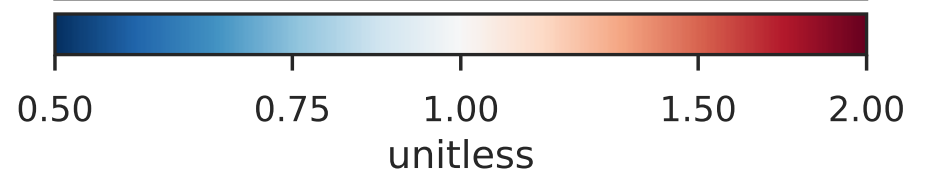
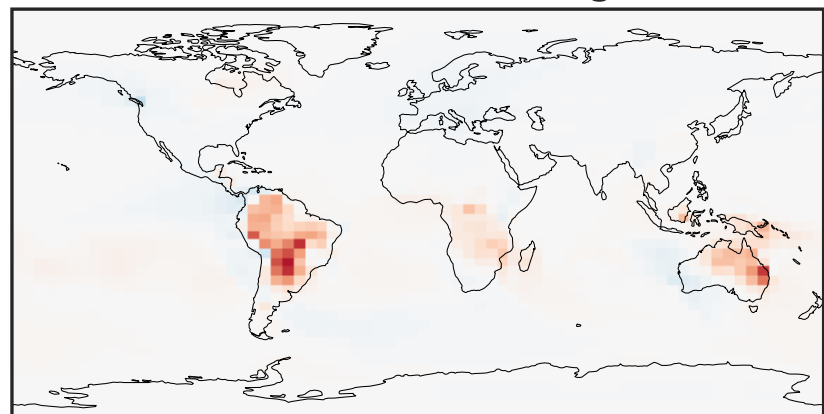
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

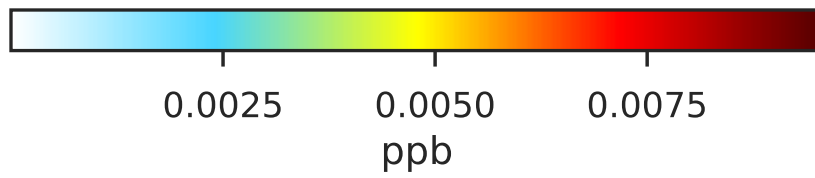
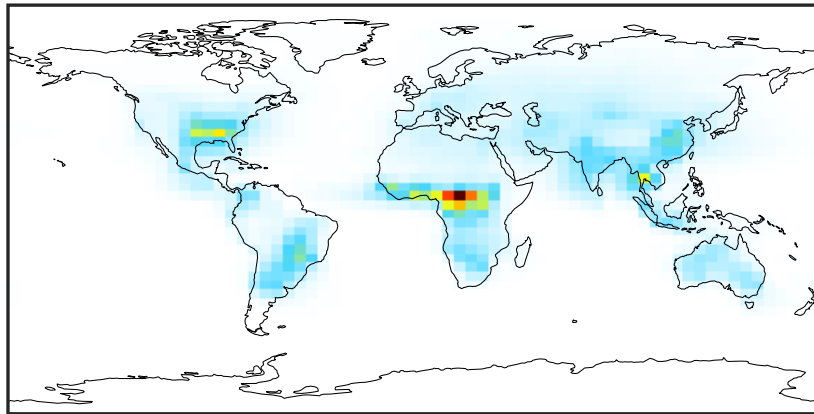


Ratio
Dev/Ref, Fixed Range

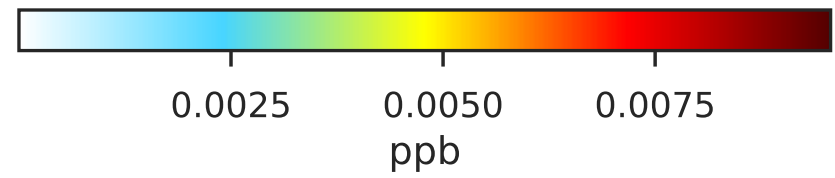
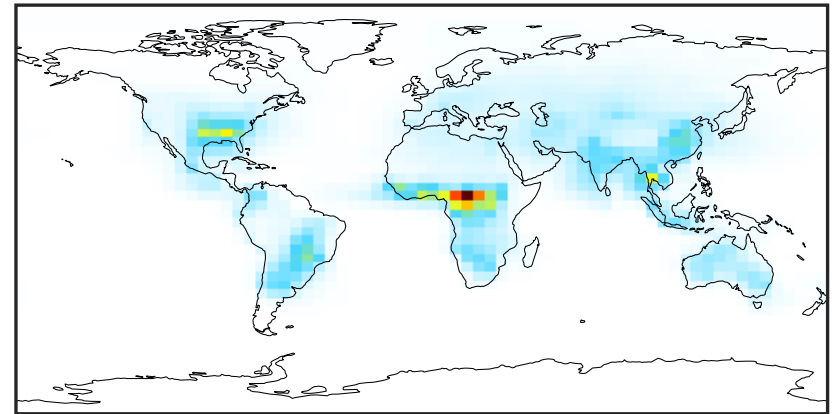


SpeciesConcVV_ETHN (Jan2019)

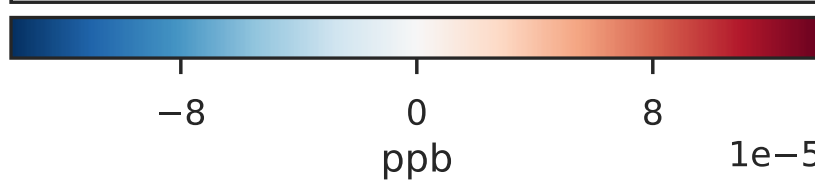
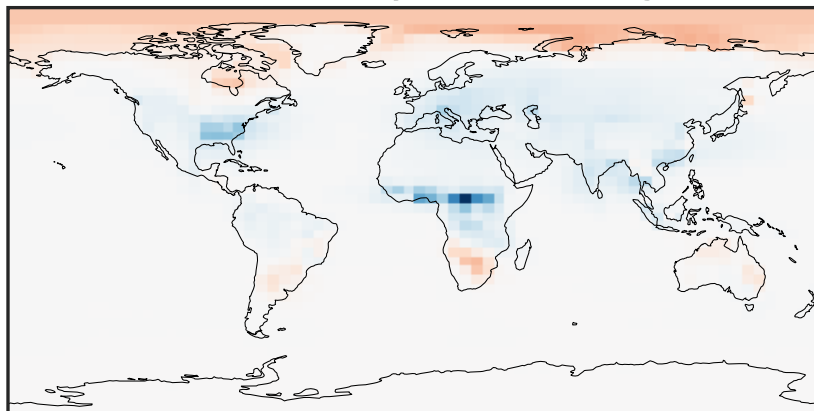
14.2.0-rc.2 (Ref)
4.0x5.0



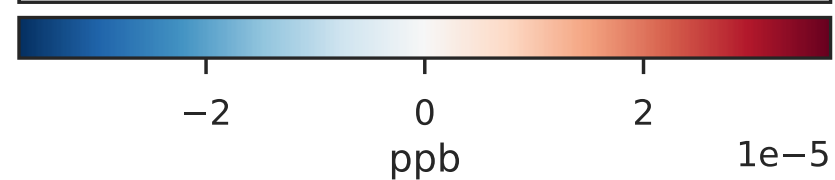
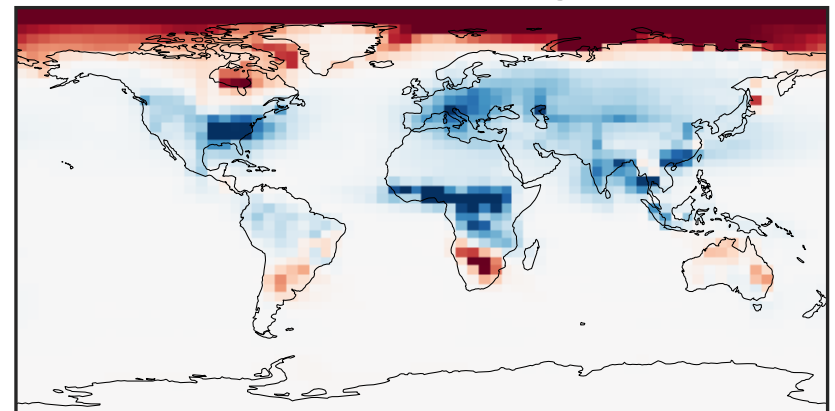
14.3.0-rc.0 (Dev)
4.0x5.0



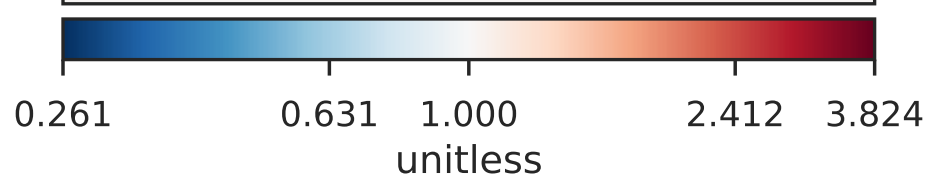
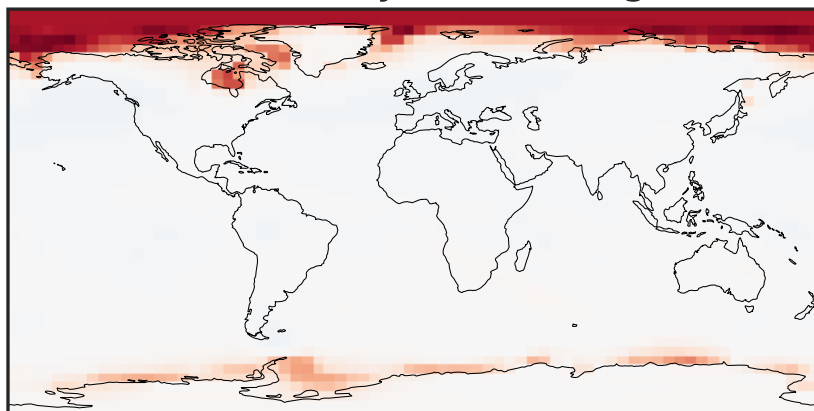
Difference
Dev - Ref, Dynamic Range



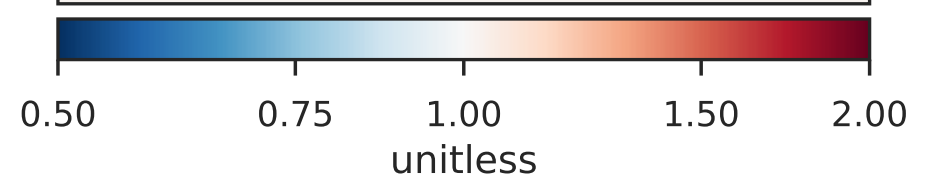
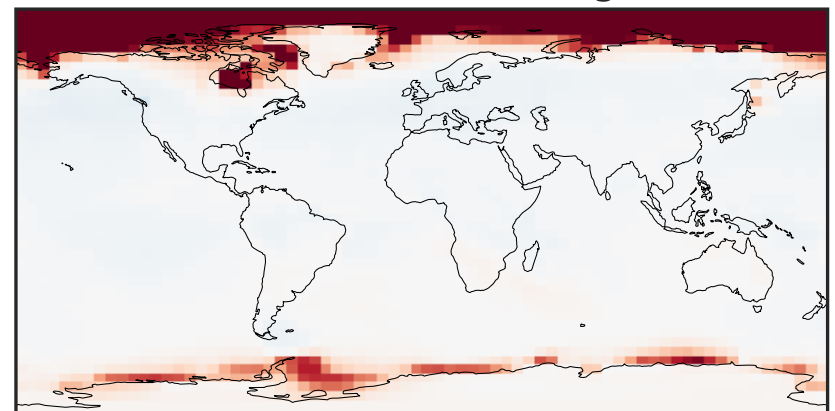
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

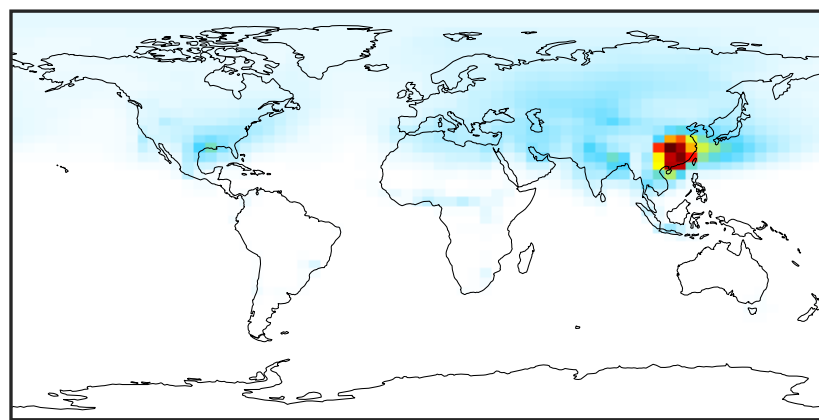


Ratio
Dev/Ref, Fixed Range



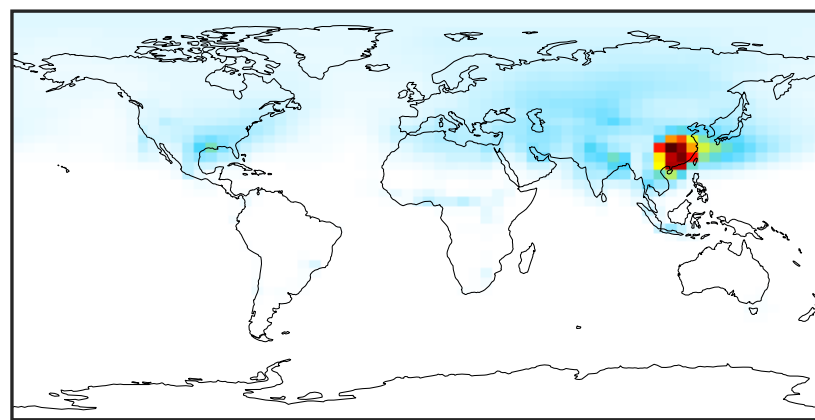
SpeciesConcVW_BZPAN (Jan2019)

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



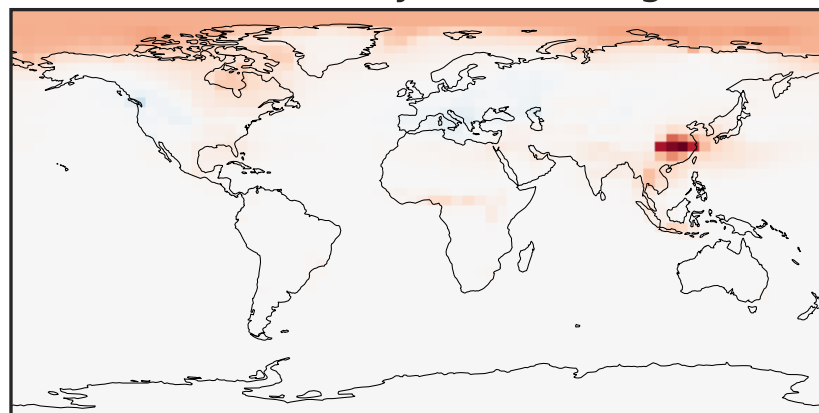
0.003 0.006 0.009
ppb

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



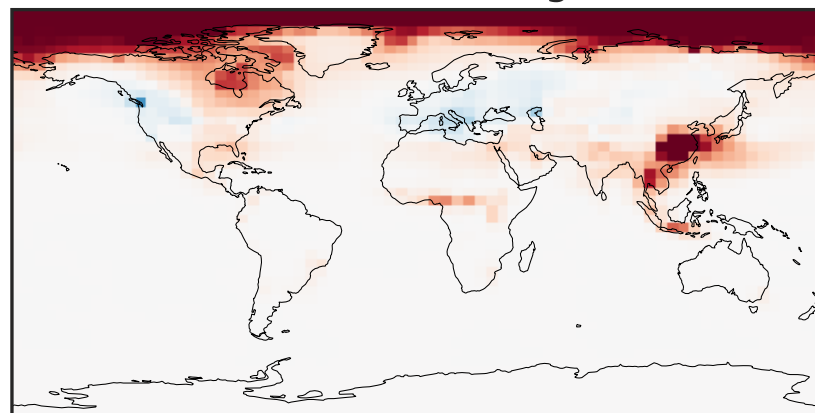
0.003 0.006 0.009
ppb

Difference
Dev - Ref, Dynamic Range



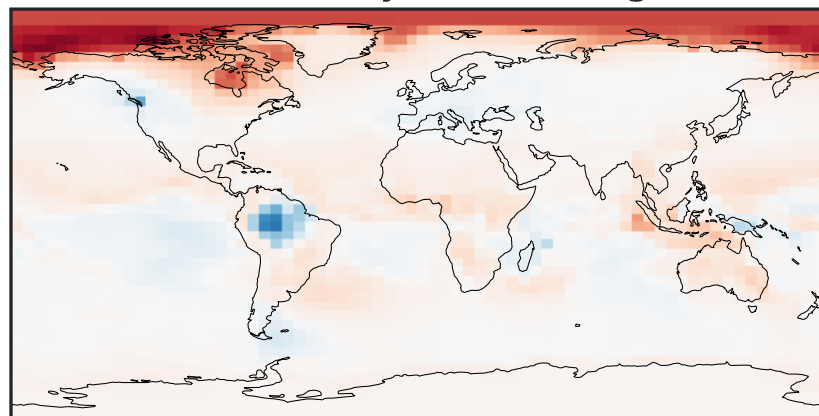
-0.00015 0.00000 0.00015
ppb

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



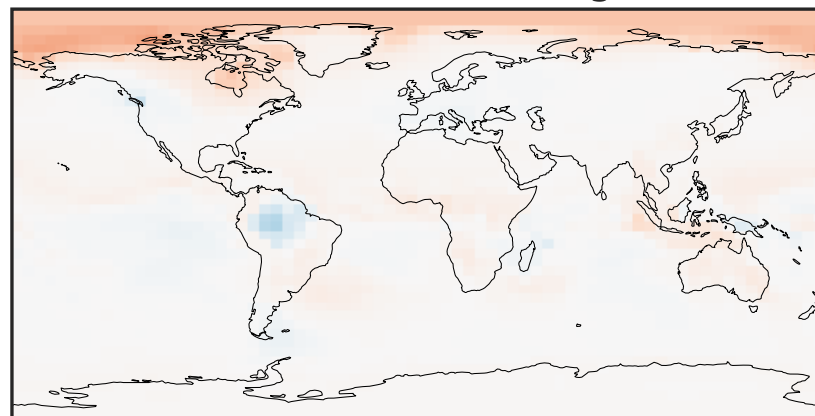
-5 0 5
ppb 1e-5

Ratio
Dev/Ref, Dynamic Range



0.7482 0.8741 1.0000 1.1683 1.3366
unitless

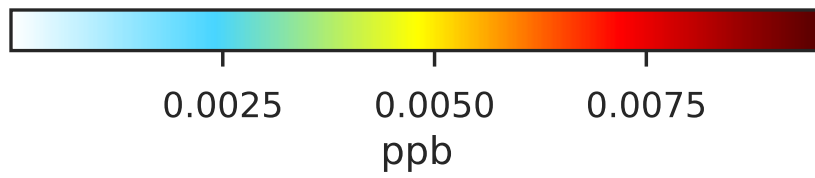
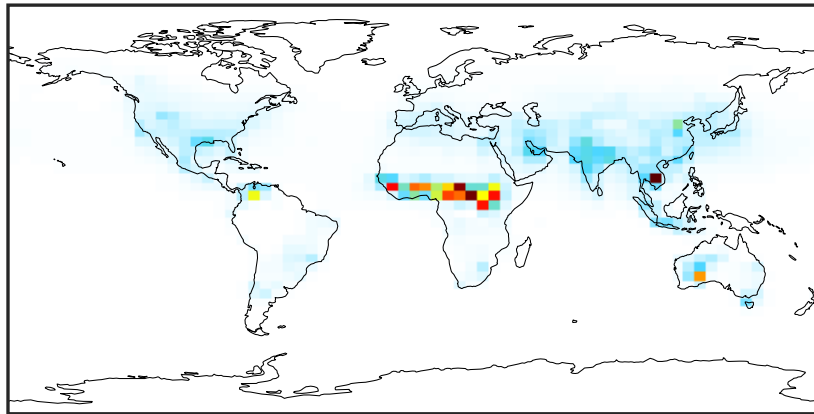
Ratio
Dev/Ref, Fixed Range



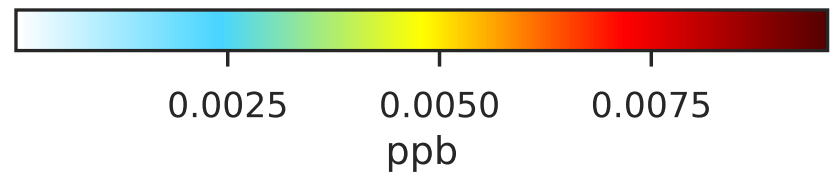
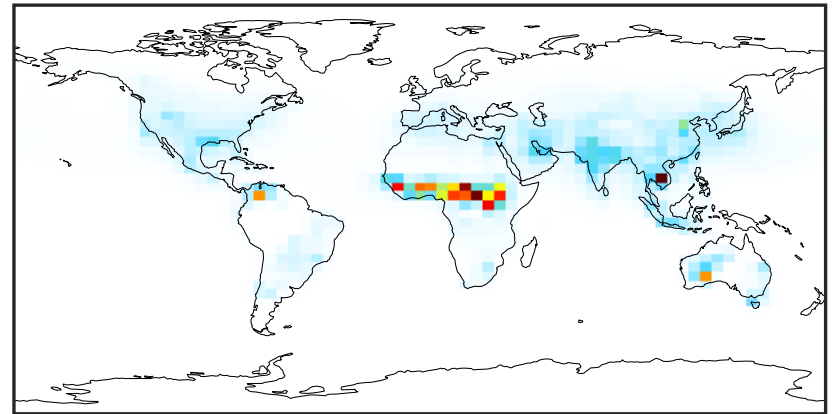
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NPHEN (Jan2019)

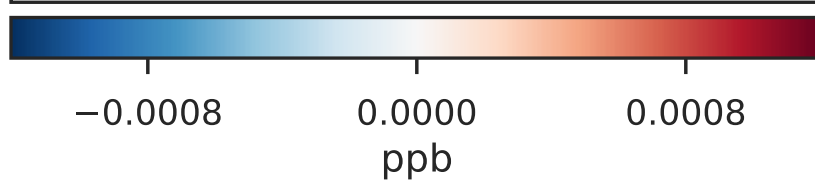
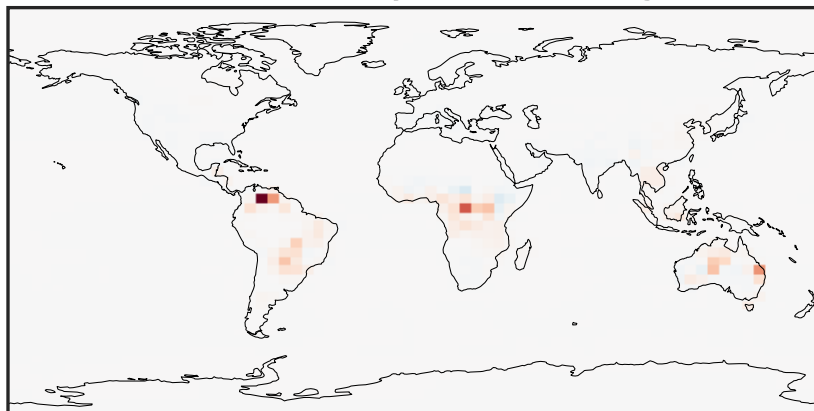
14.2.0-rc.2 (Ref)
4.0x5.0



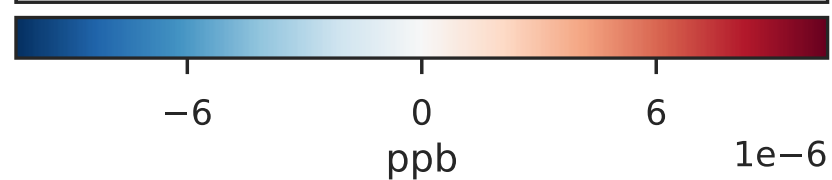
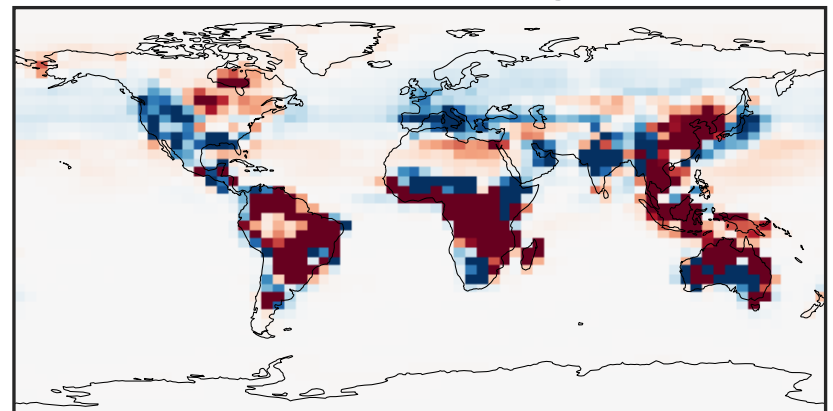
14.3.0-rc.0 (Dev)
4.0x5.0



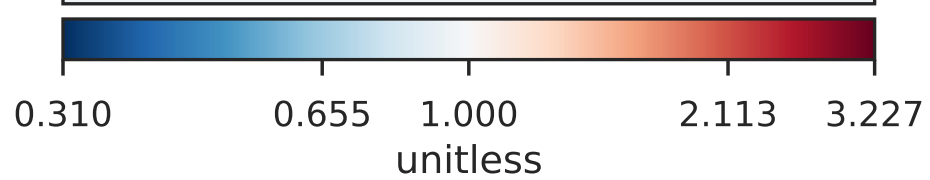
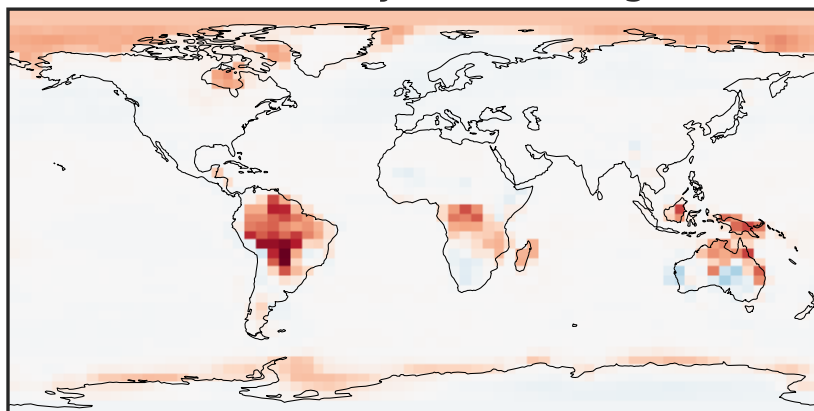
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

