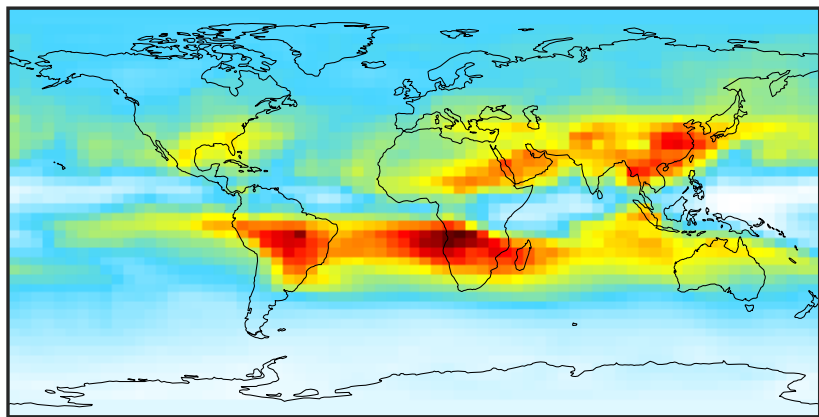


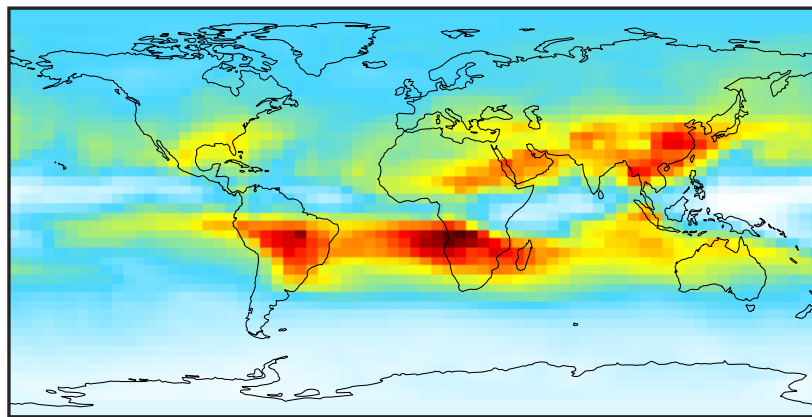
SpeciesConcVV_NOy (Oct2019)

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



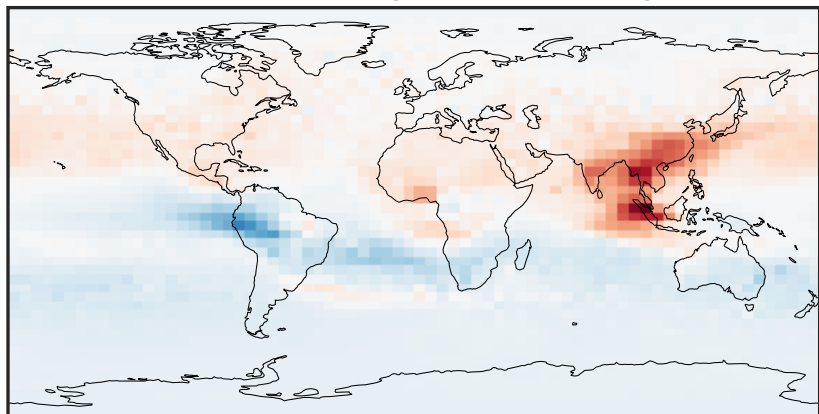
0.0405 0.2556 0.4707 0.6859 0.9010
ppb

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



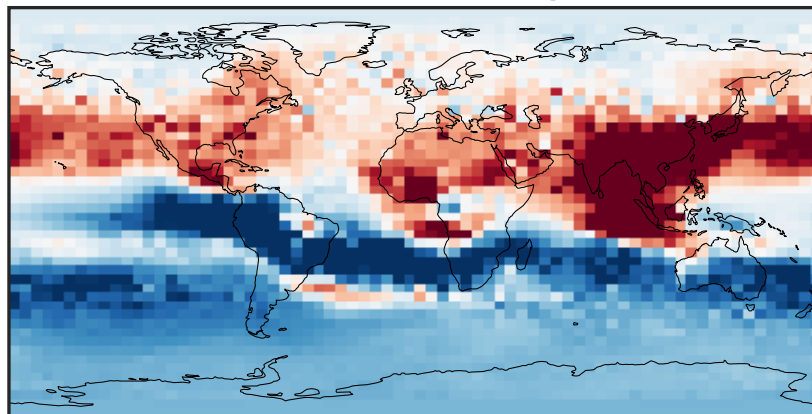
0.0405 0.2556 0.4707 0.6859 0.9010
ppb

Difference
Dev - Ref, Dynamic Range



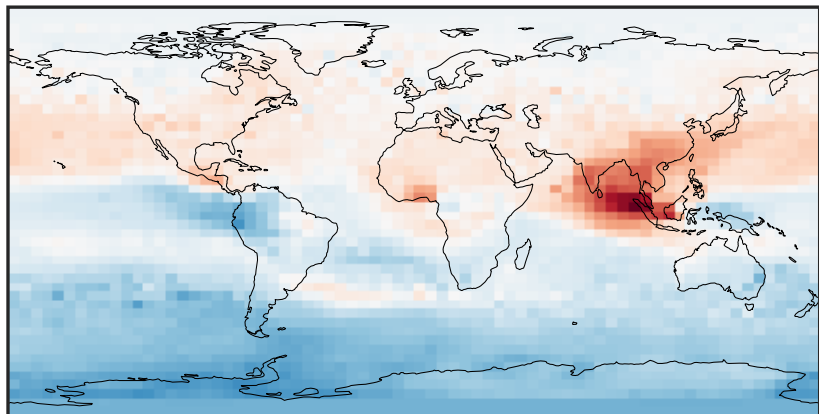
-0.008 0.000 0.008
ppb

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



-0.0015 0.0000 0.0015
ppb

Ratio
Dev/Ref, Dynamic Range



0.97008 0.98504 1.00000 1.01542 1.03084
unitless

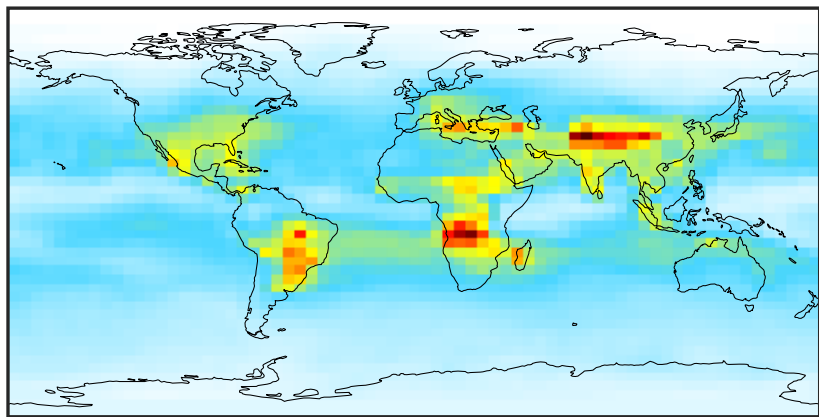
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

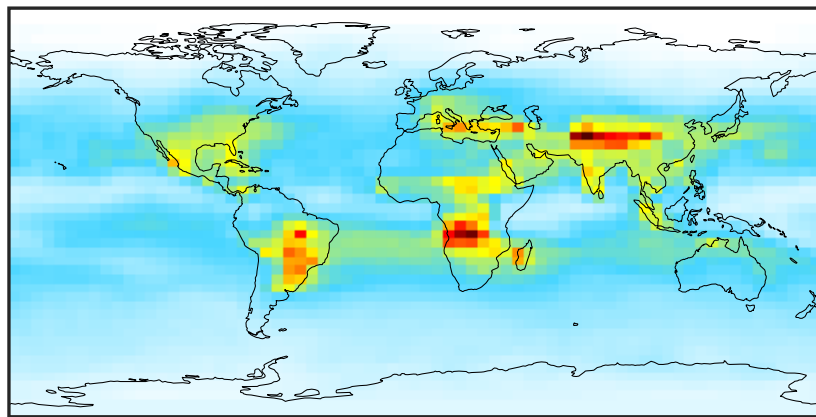
SpeciesConcVV_NOx (Oct2019)

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



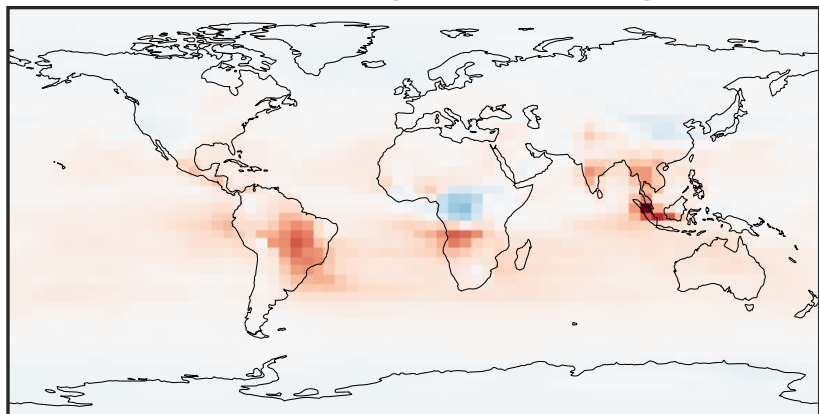
0.0021 0.0435 0.0850 0.1265 0.1679
ppb

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



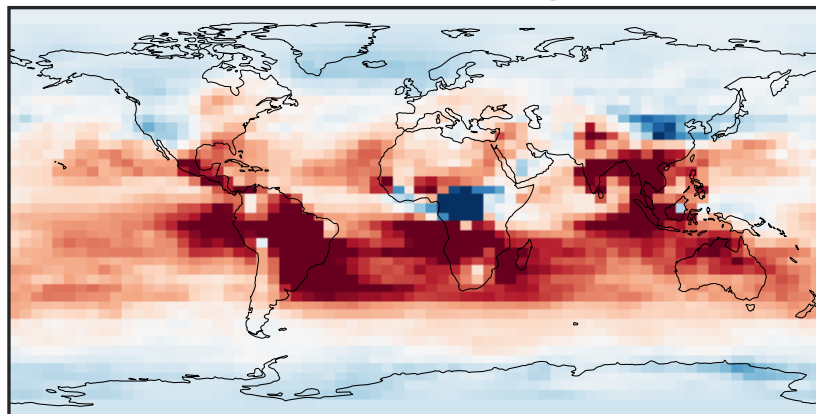
0.0021 0.0435 0.0850 0.1265 0.1679
ppb

Difference
Dev - Ref, Dynamic Range



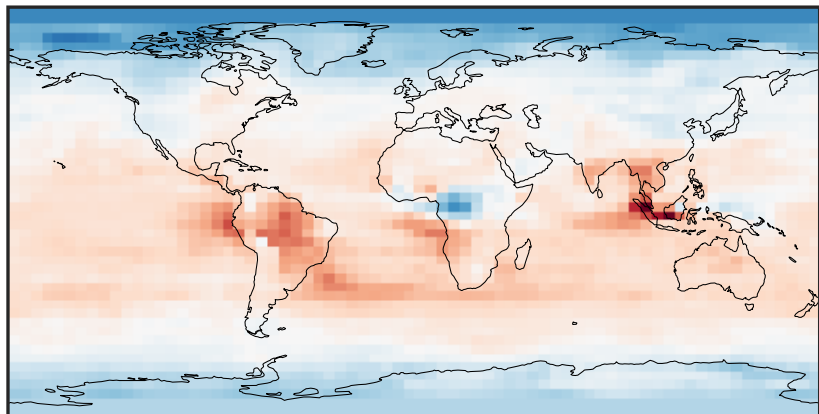
-0.0025 0.0000 0.0025
ppb

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



-0.0004 0.0000 0.0004
ppb

Ratio
Dev/Ref, Dynamic Range



0.9446 0.9723 1.0000 1.0293 1.0587
unitless

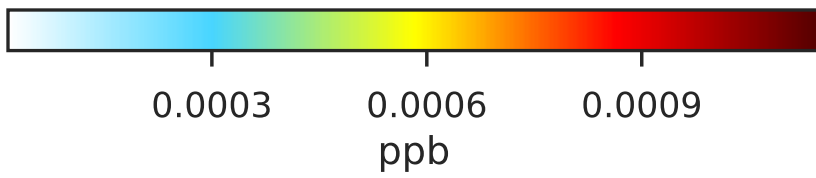
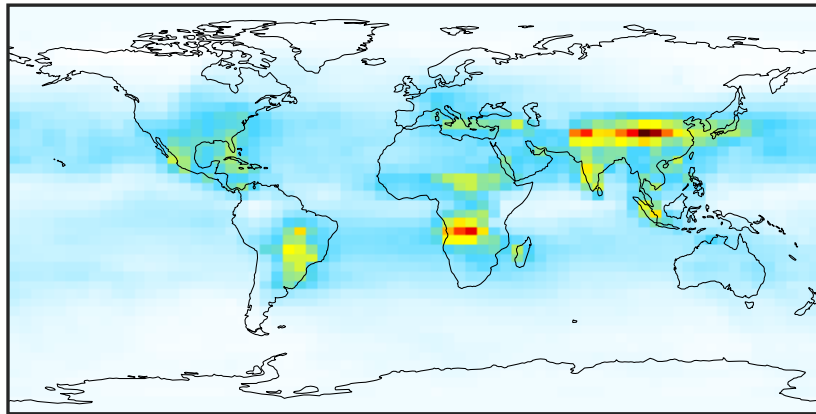
Ratio
Dev/Ref, Fixed Range



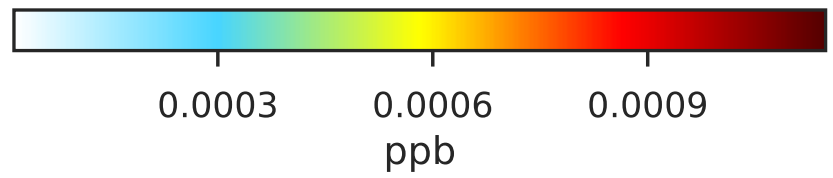
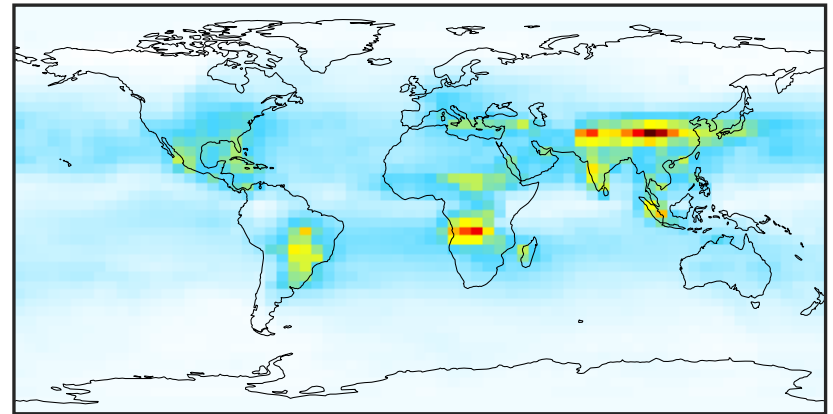
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO2 (Oct2019)

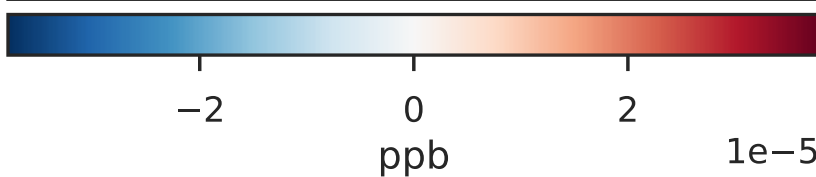
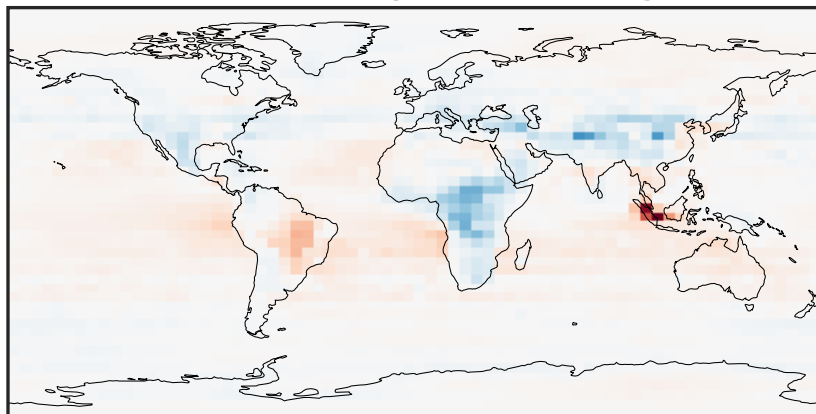
14.2.0-rc.2 (Ref)
4.0x5.0



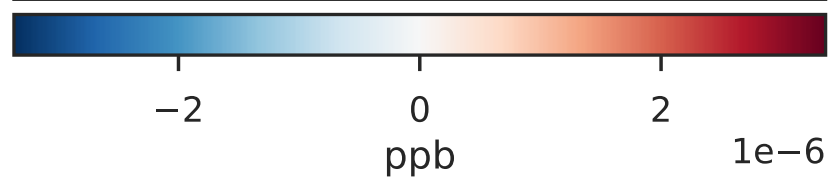
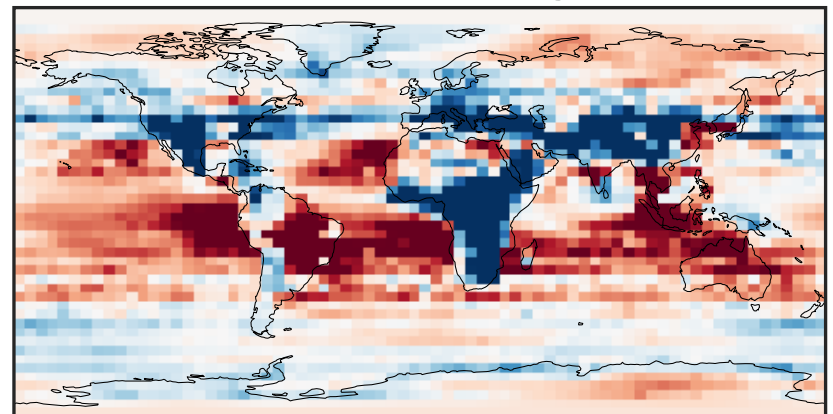
14.3.0-rc.0 (Dev)
4.0x5.0



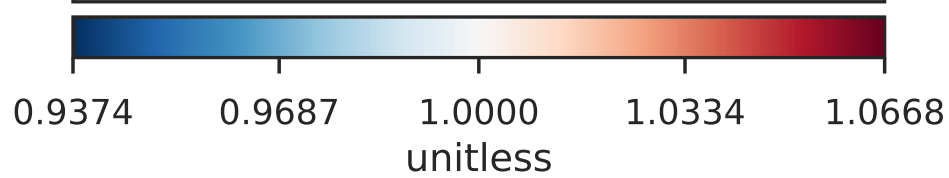
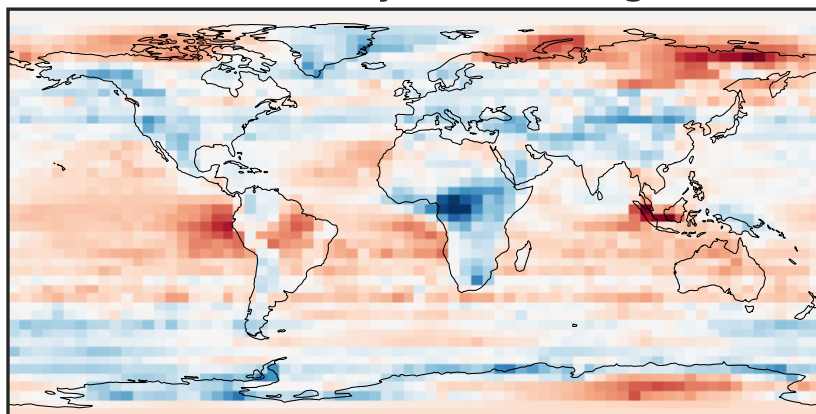
Difference
Dev - Ref, Dynamic Range



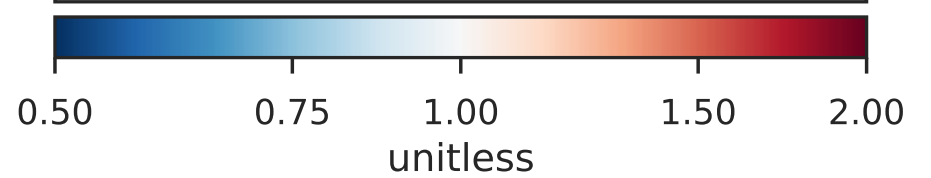
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

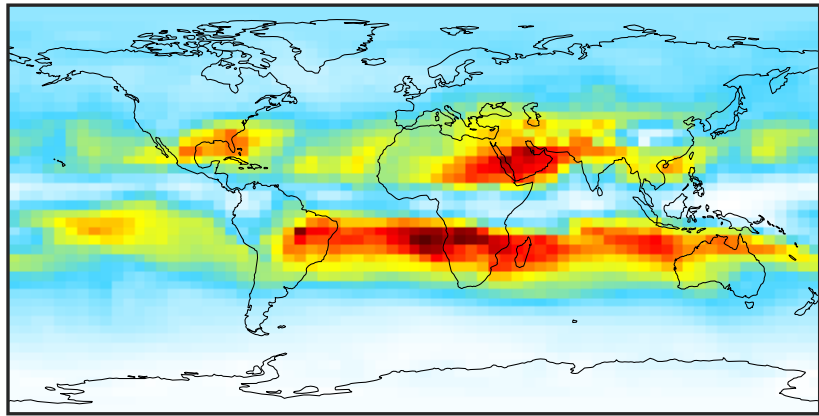


Ratio
Dev/Ref, Fixed Range



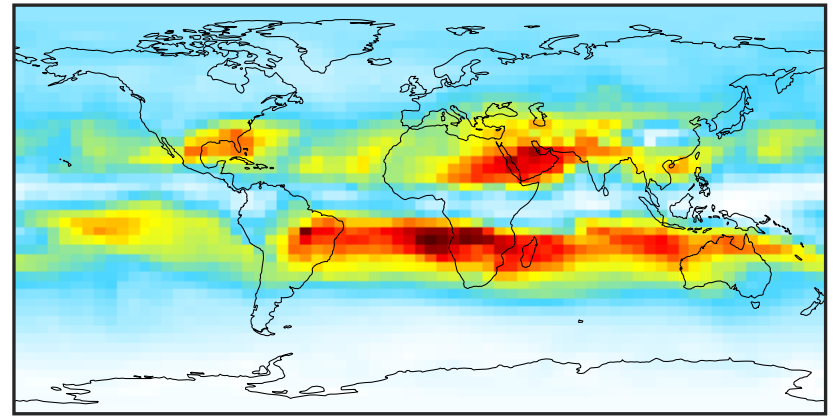
SpeciesConcVV_HNO3 (Oct2019)

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



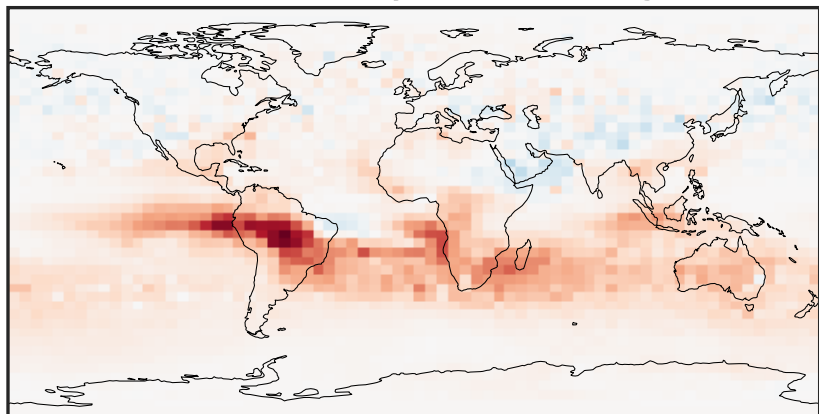
0.0066 0.0928 0.1791 0.2653 0.3516
ppb

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



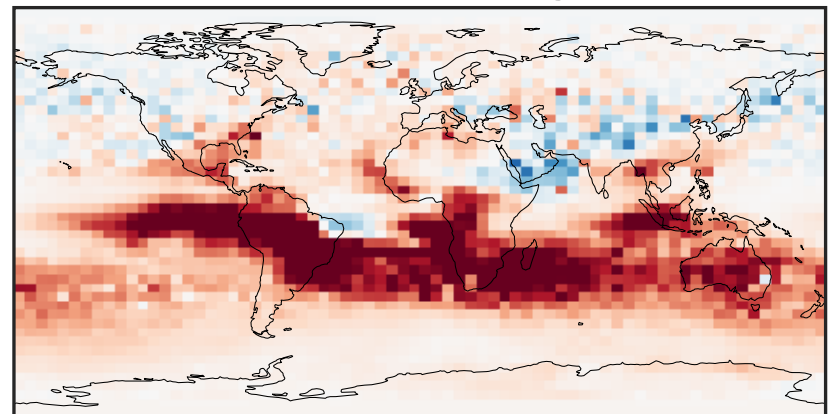
0.0066 0.0928 0.1791 0.2653 0.3516
ppb

Difference
Dev - Ref, Dynamic Range



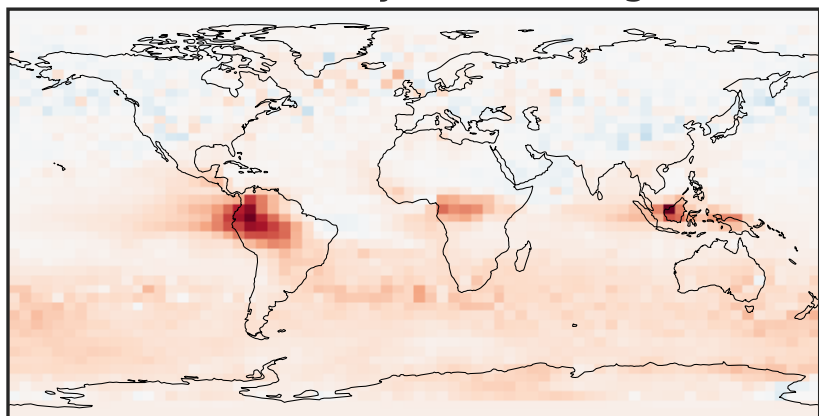
-0.004 0.000 0.004
ppb

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



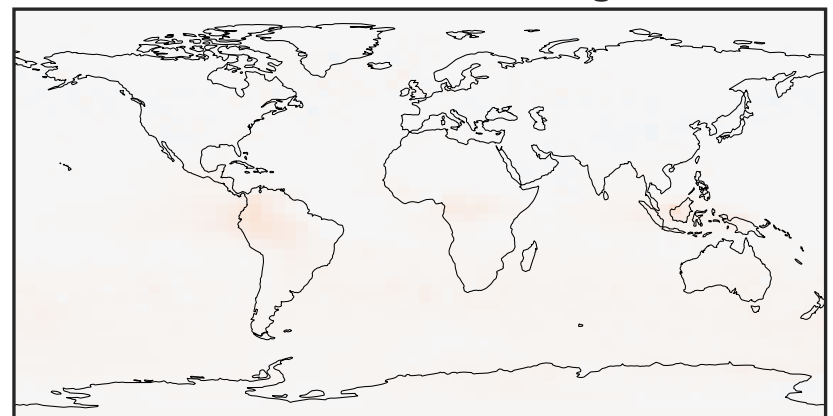
-0.0015 0.0000 0.0015
ppb

Ratio
Dev/Ref, Dynamic Range



0.9109 0.9554 1.0000 1.0489 1.0978
unitless

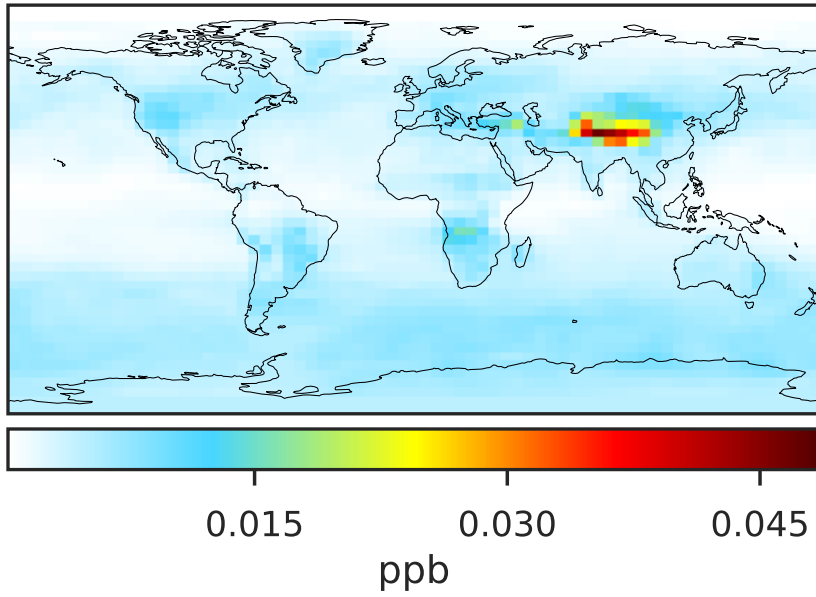
Ratio
Dev/Ref, Fixed Range



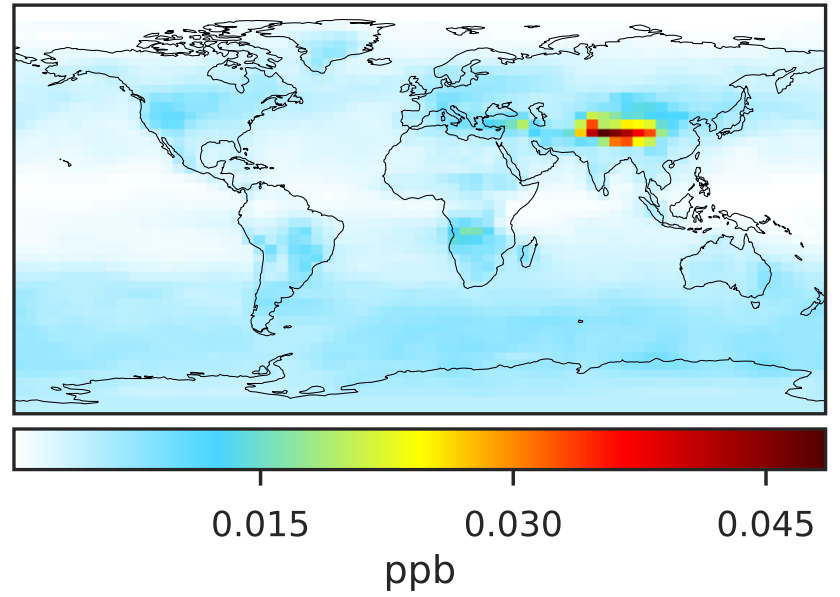
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO4 (Oct2019)

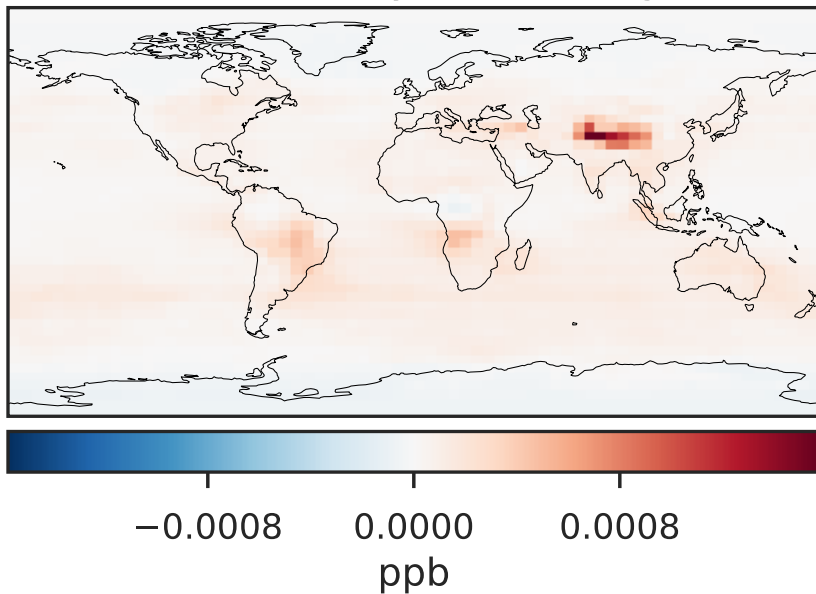
14.2.0-rc.2 (Ref)
4.0x5.0



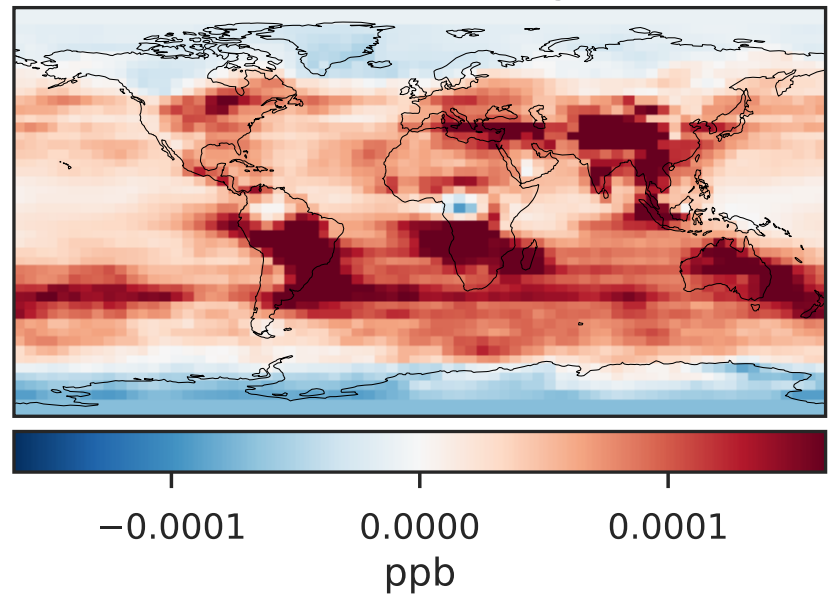
14.3.0-rc.0 (Dev)
4.0x5.0



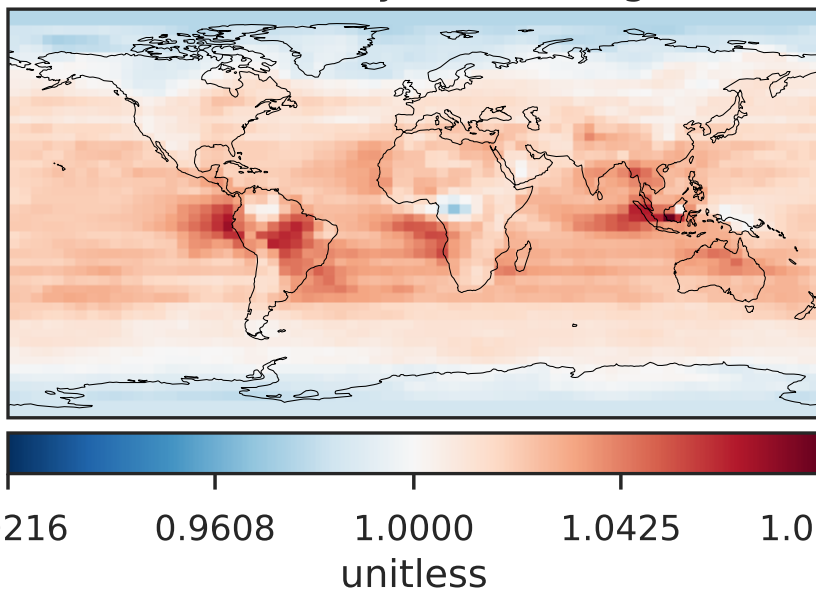
Difference
Dev - Ref, Dynamic Range



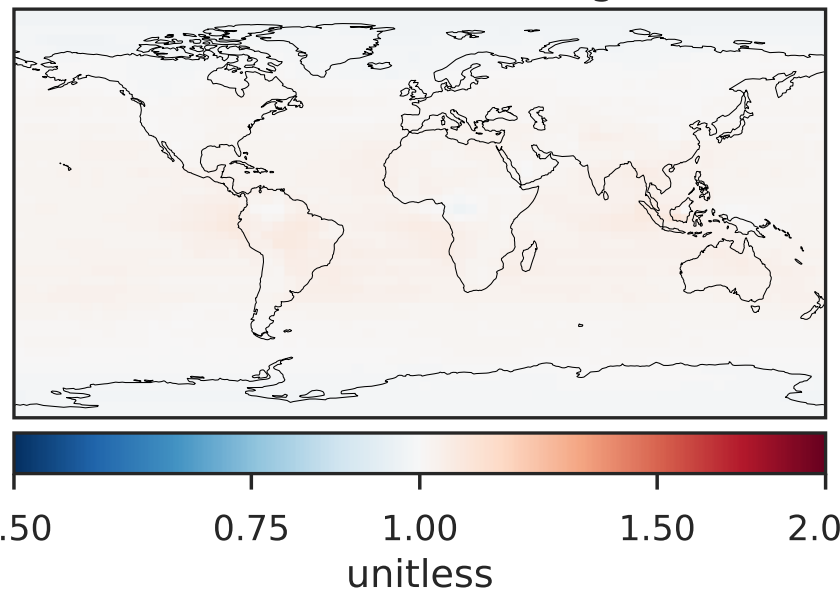
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

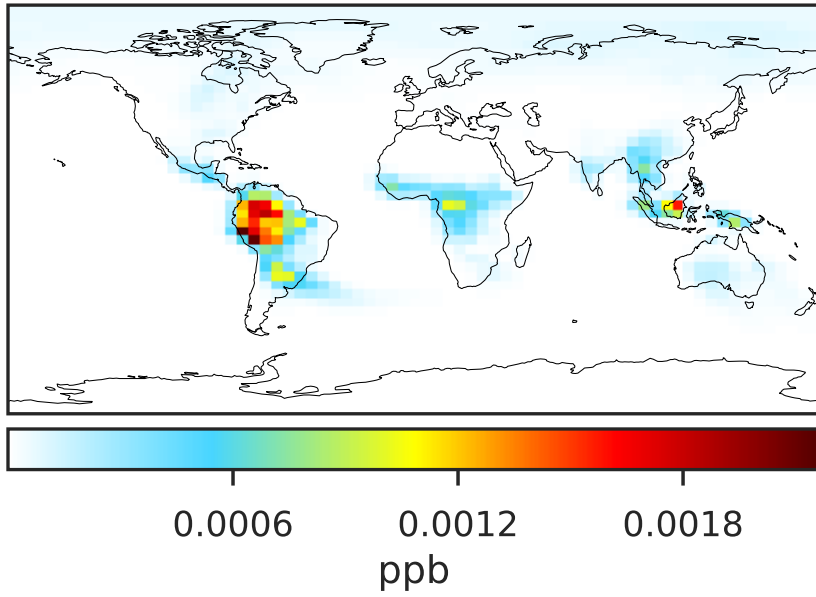


0.9216 0.9608 1.0000 1.0425 1.0851
unitless

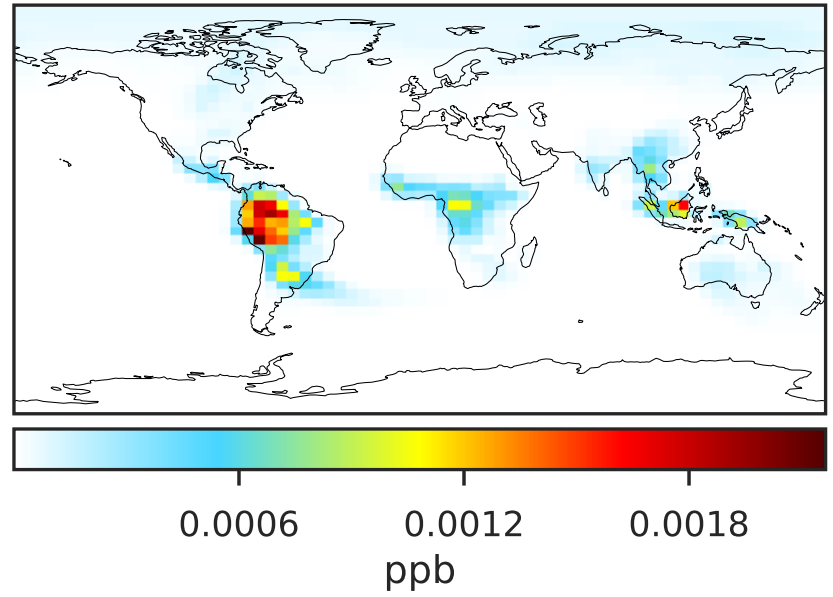
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_MPAN (Oct2019)

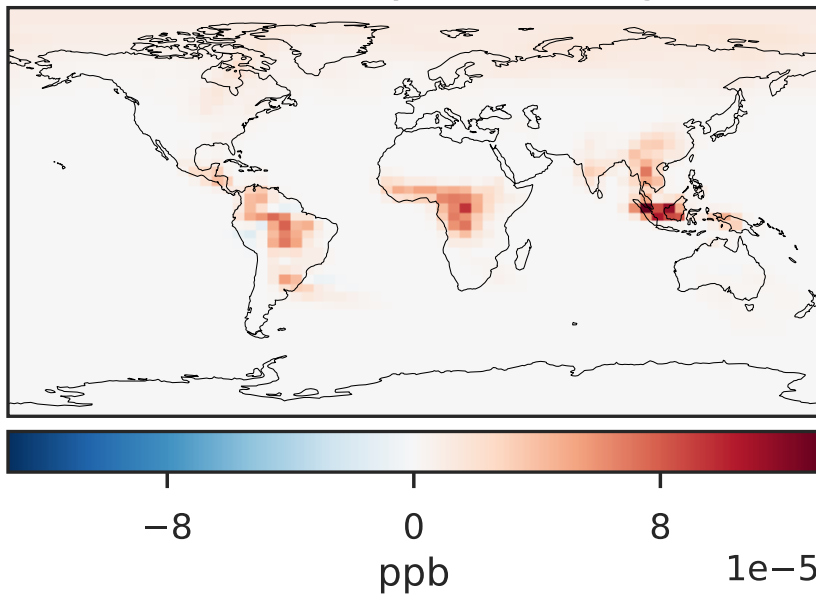
14.2.0-rc.2 (Ref)
4.0x5.0



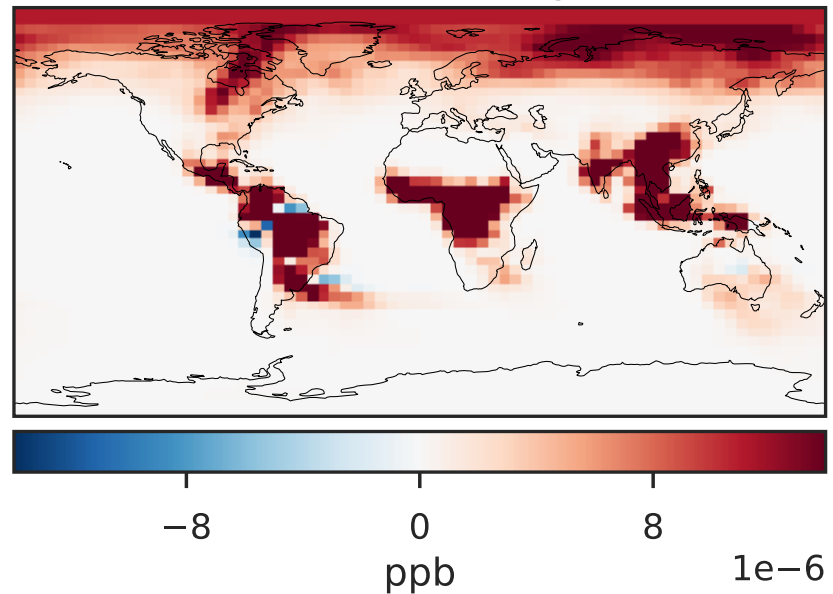
14.3.0-rc.0 (Dev)
4.0x5.0



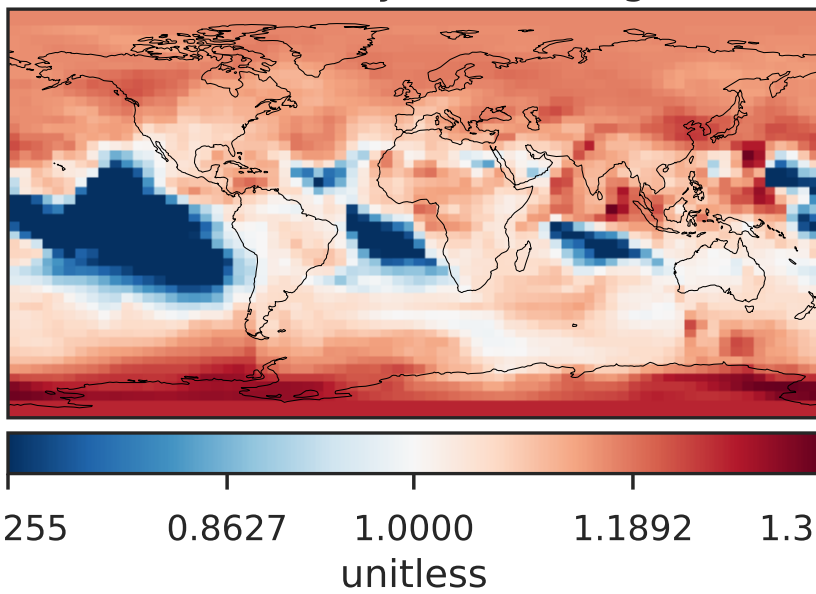
Difference
Dev - Ref, Dynamic Range



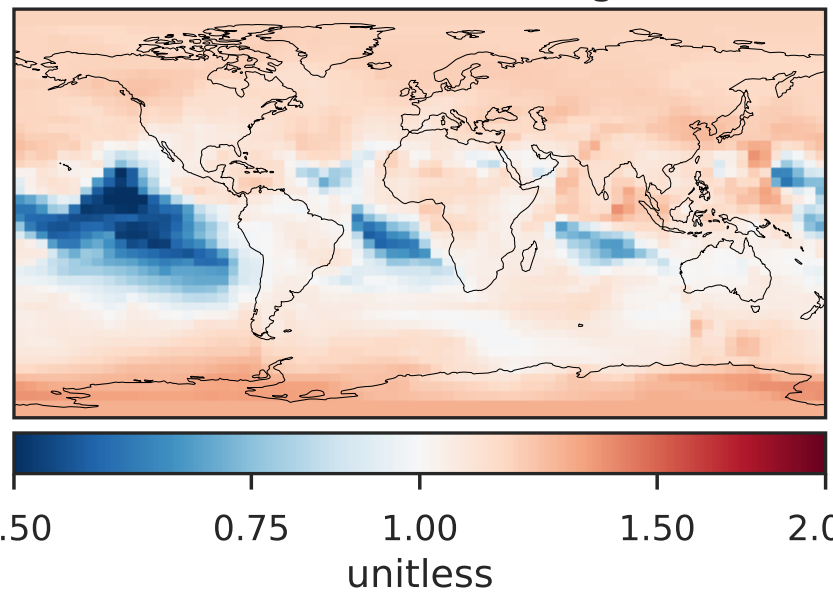
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

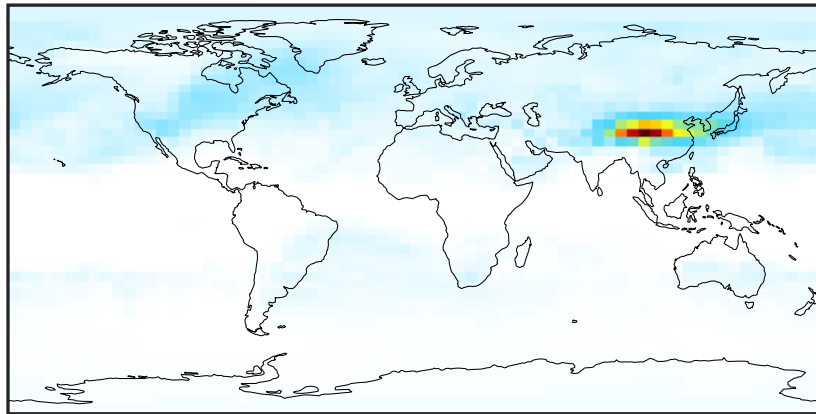


Ratio
Dev/Ref, Fixed Range



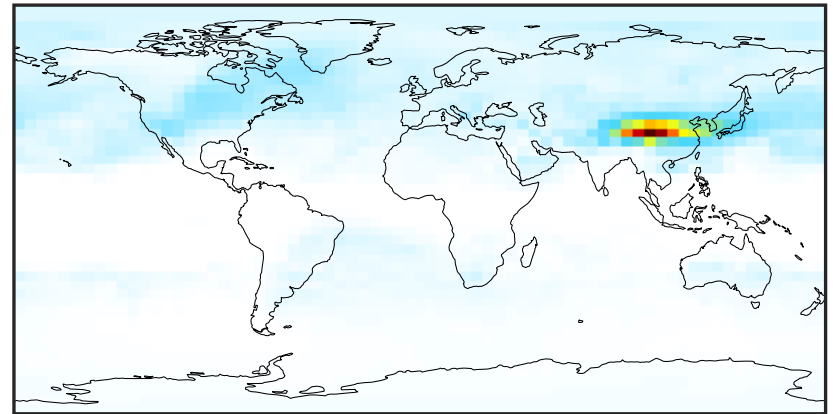
SpeciesConcVV_NIT (Oct2019)

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



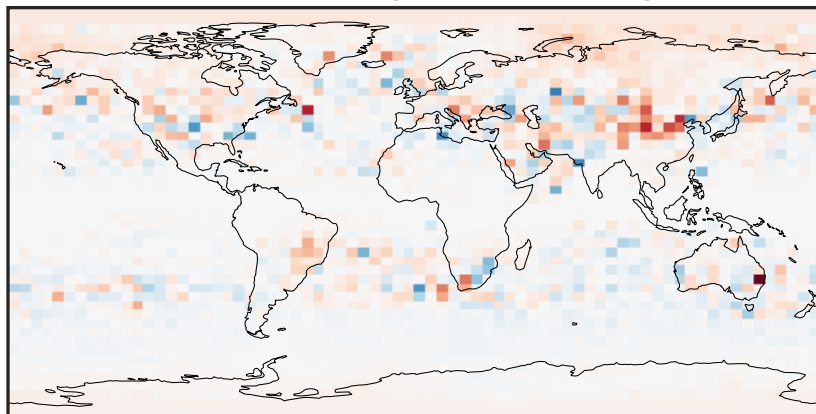
0.0000 0.1306 0.2611 0.3917 0.5223
ppb

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



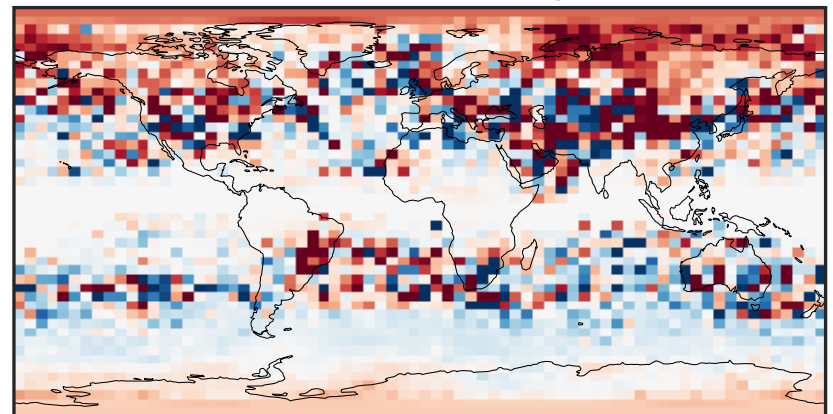
0.0000 0.1306 0.2611 0.3917 0.5223
ppb

Difference
Dev - Ref, Dynamic Range



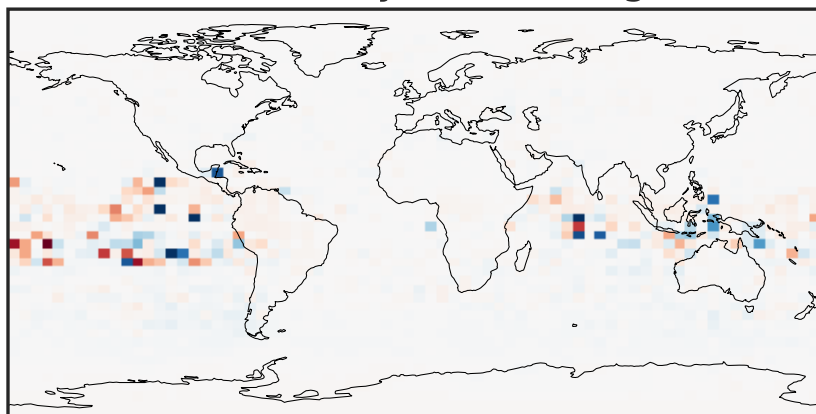
-0.0015 0.0000 0.0015
ppb

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



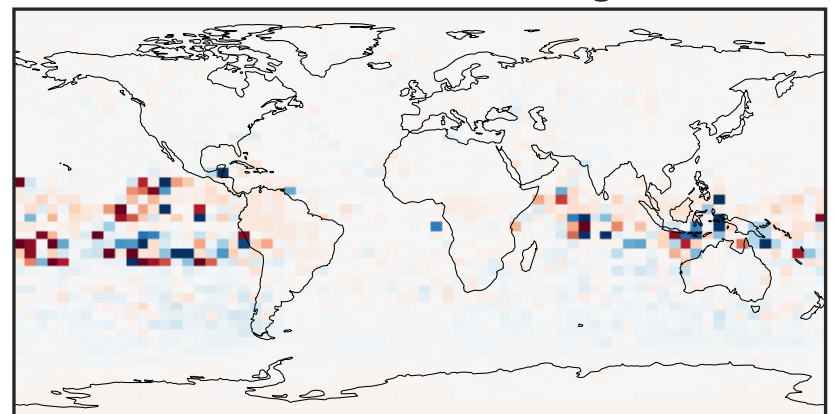
-0.00025 0.00000 0.00025
ppb

Ratio
Dev/Ref, Dynamic Range



0.200 0.600 1.000 2.996 4.993
unitless

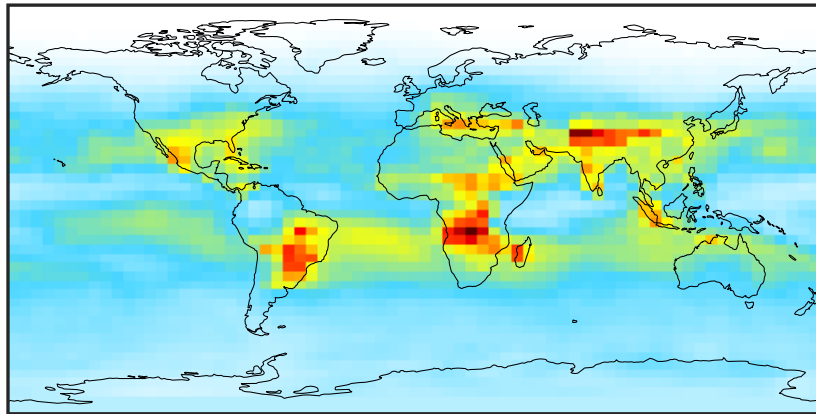
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

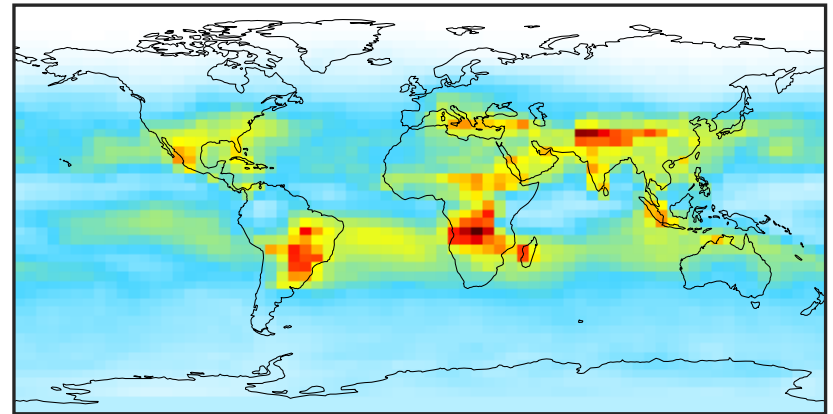
SpeciesConcVV_NO (Oct2019)

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



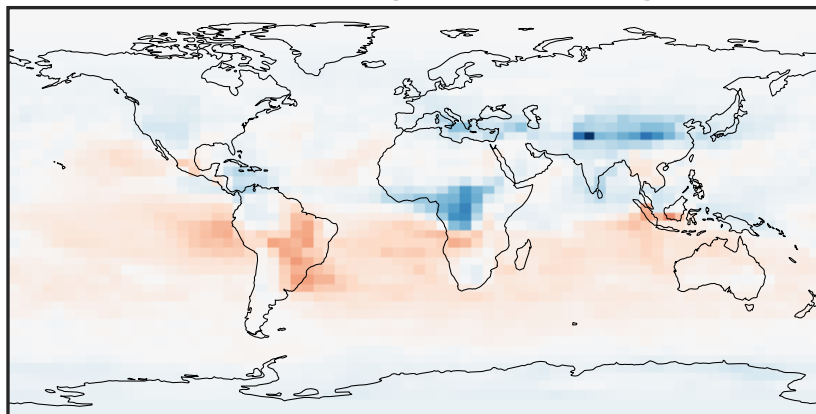
0.008 0.016 0.024
ppb

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



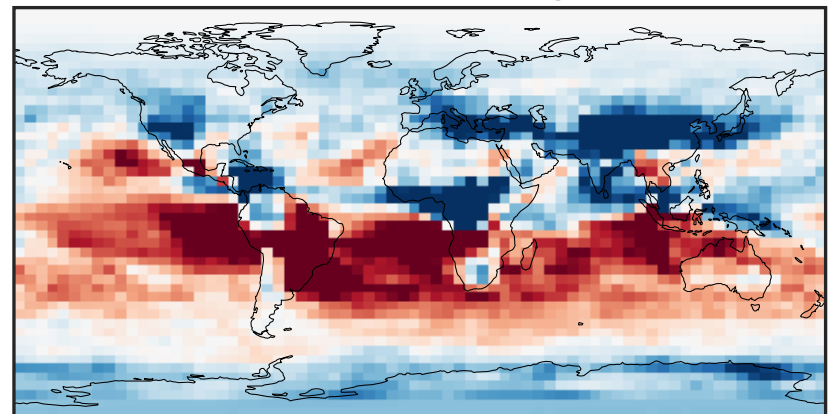
0.008 0.016 0.024
ppb

Difference
Dev - Ref, Dynamic Range



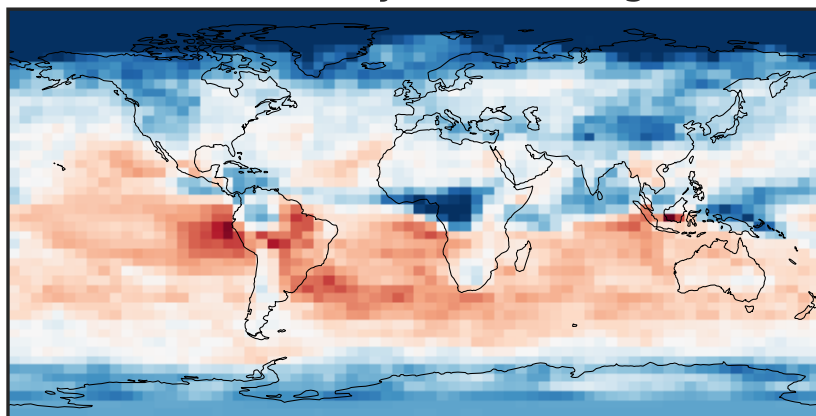
-0.0005 0.0000 0.0005
ppb

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



-8 0 8
ppb 1e-5

Ratio
Dev/Ref, Dynamic Range



0.96310 0.98155 1.00000 1.01916 1.03832
unitless

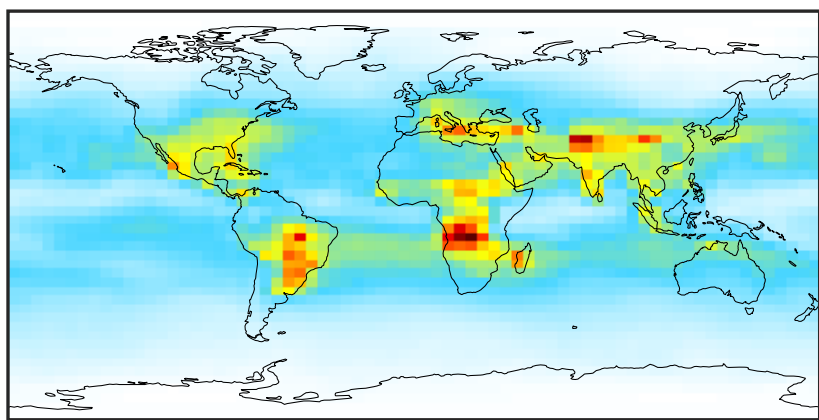
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

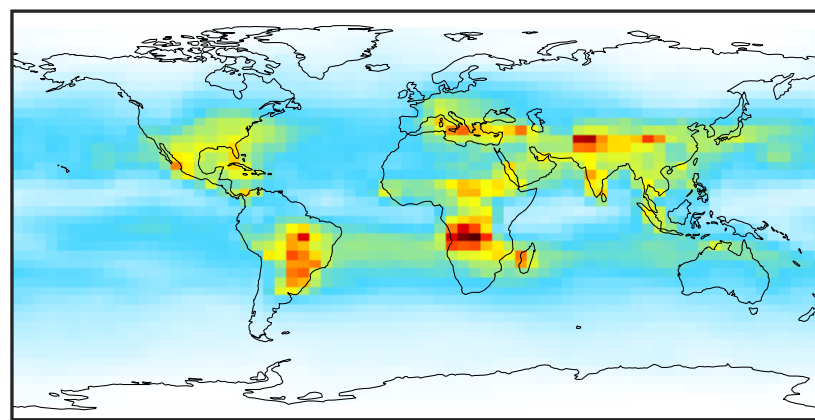
SpeciesConcVW_NO2 (Oct2019)

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



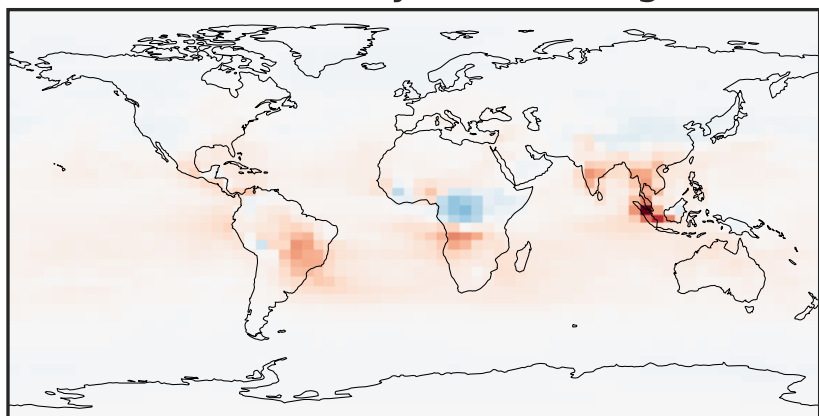
0.0012 0.0292 0.0572 0.0851 0.1131
ppb

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



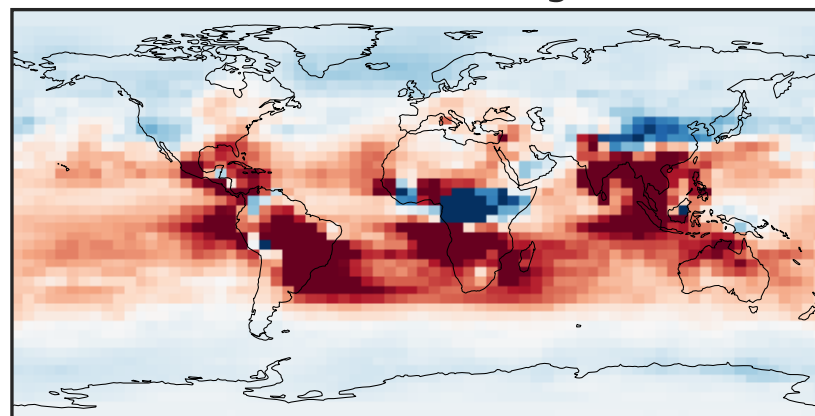
0.0012 0.0292 0.0572 0.0851 0.1131
ppb

Difference
Dev - Ref, Dynamic Range



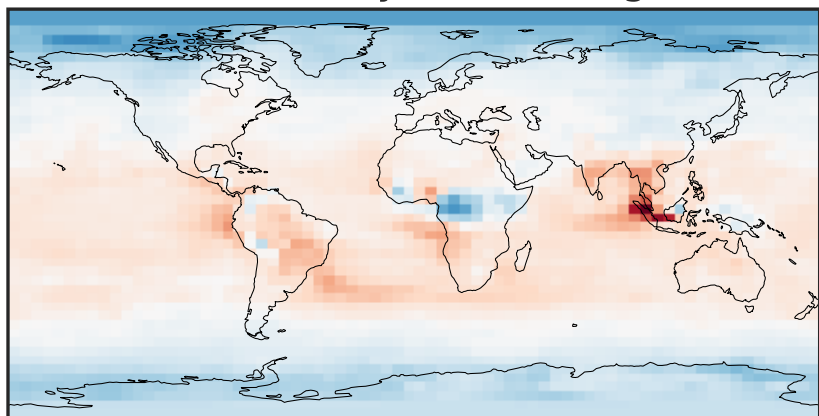
-0.0025 0.0000 0.0025
ppb

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



-0.00025 0.00000 0.00025
ppb

Ratio
Dev/Ref, Dynamic Range



0.9273 0.9637 1.0000 1.0392 1.0784
unitless

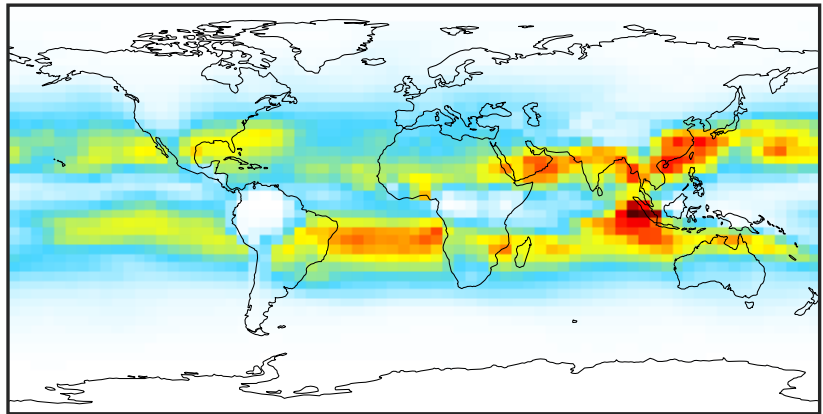
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

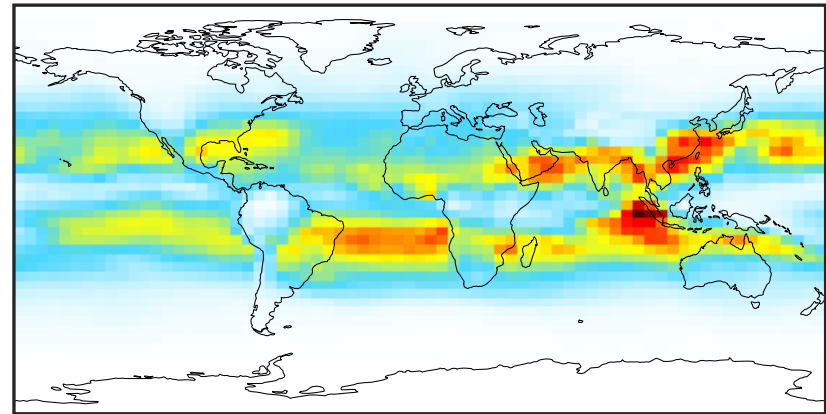
SpeciesConcVW_NO3 (Oct2019)

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



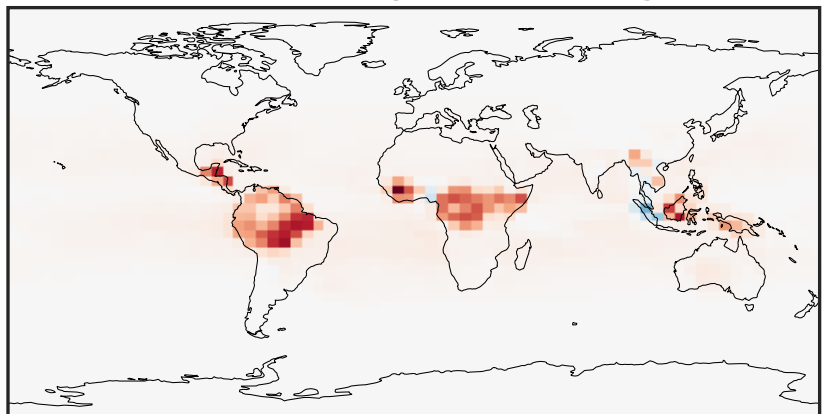
0.0015 0.0030 0.0045
ppb

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



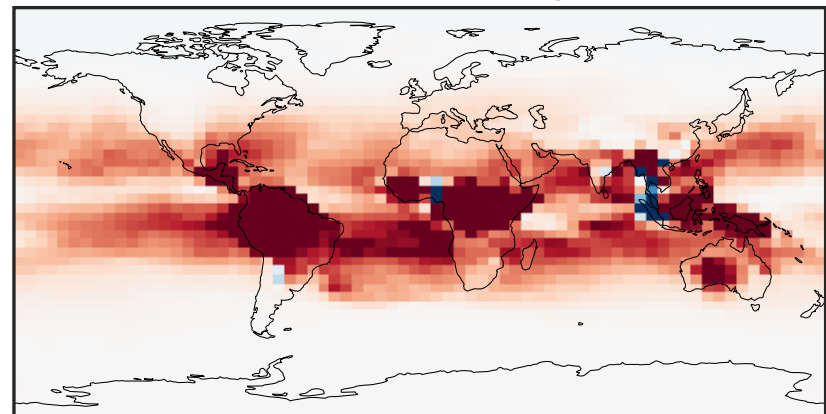
0.0015 0.0030 0.0045
ppb

Difference
Dev - Ref, Dynamic Range



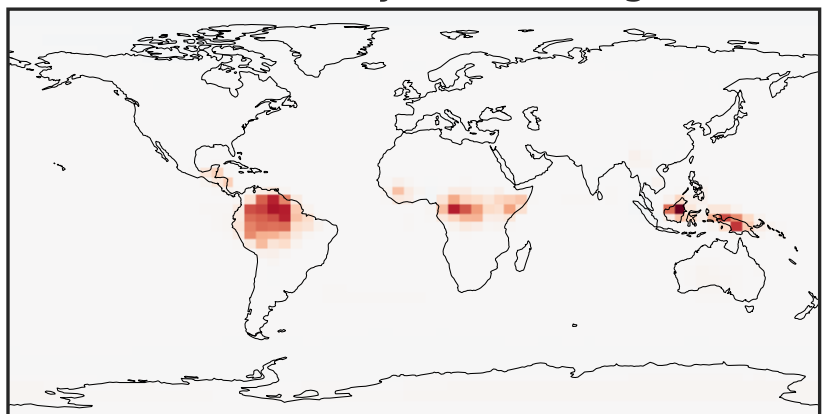
-0.0004 0.0000 0.0004
ppb

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



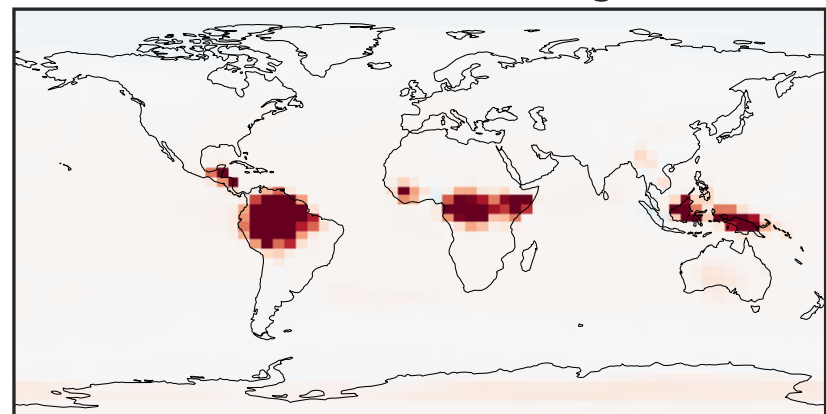
-2.5 0.0 2.5
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

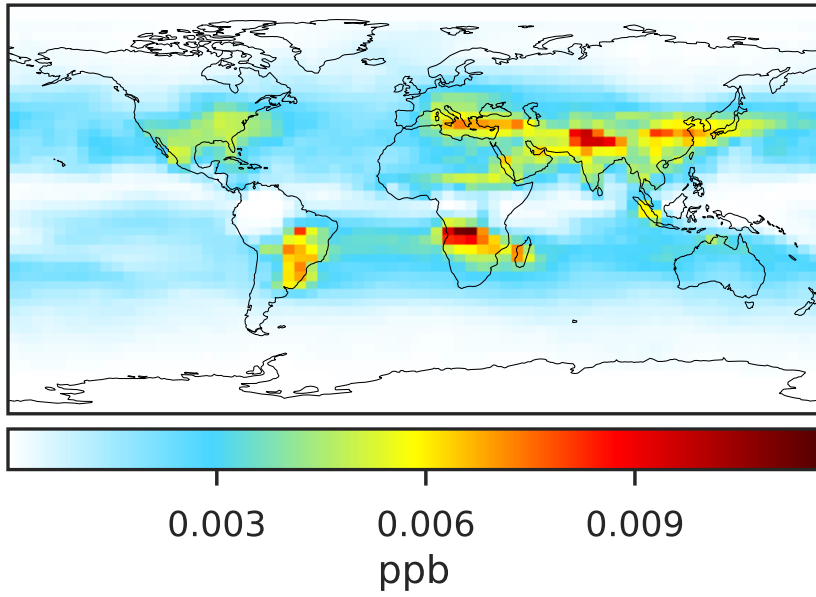
Ratio
Dev/Ref, Fixed Range



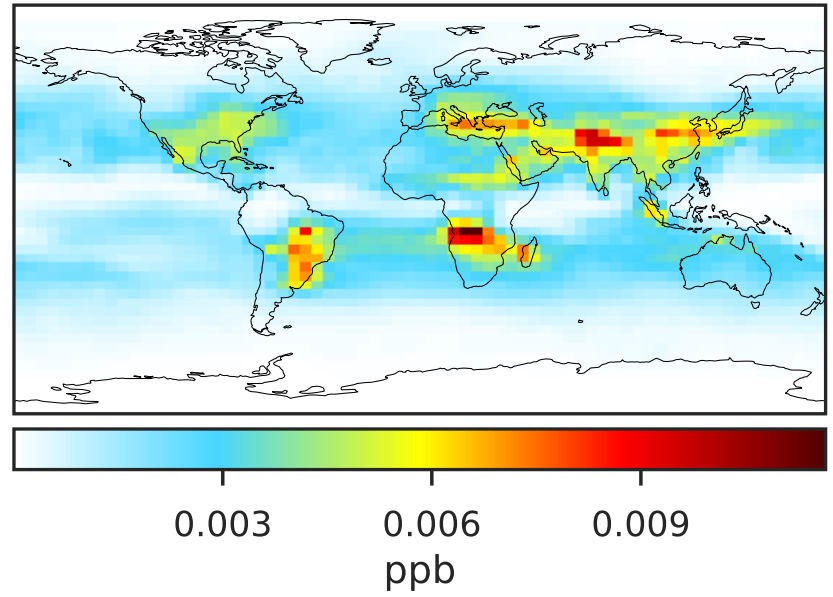
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_N2O5 (Oct2019)

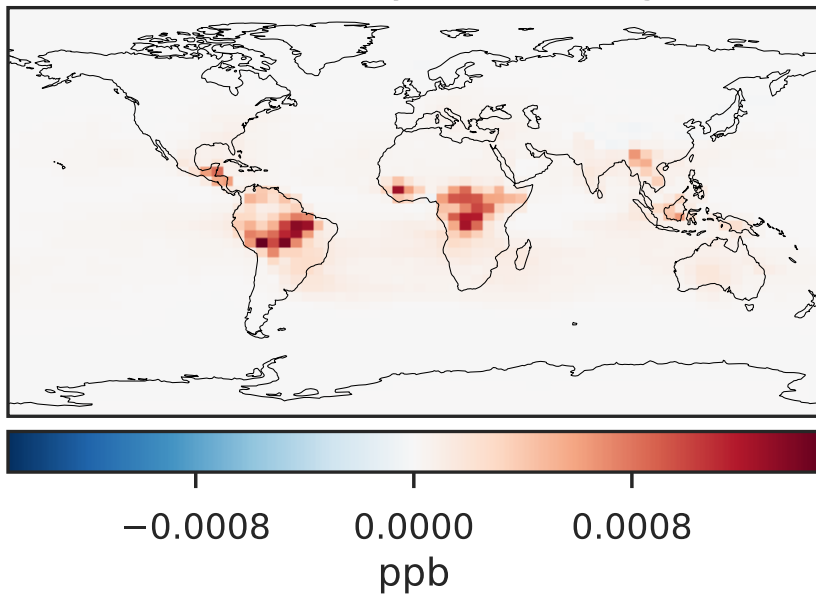
14.2.0-rc.2 (Ref)
4.0x5.0



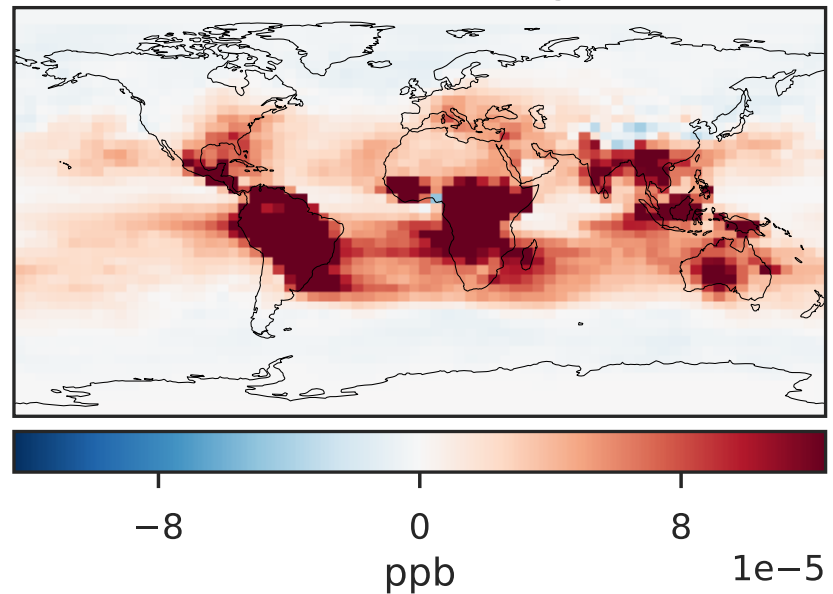
14.3.0-rc.0 (Dev)
4.0x5.0



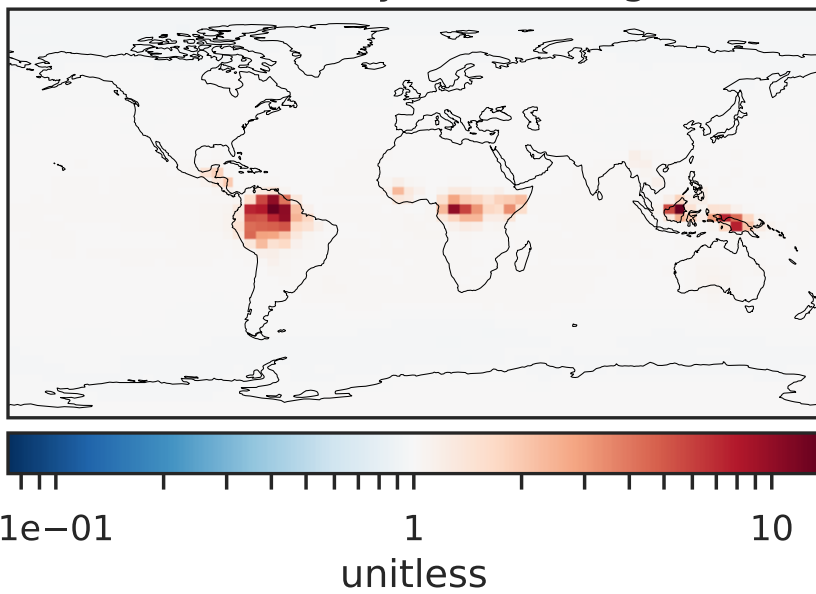
Difference
Dev - Ref, Dynamic Range



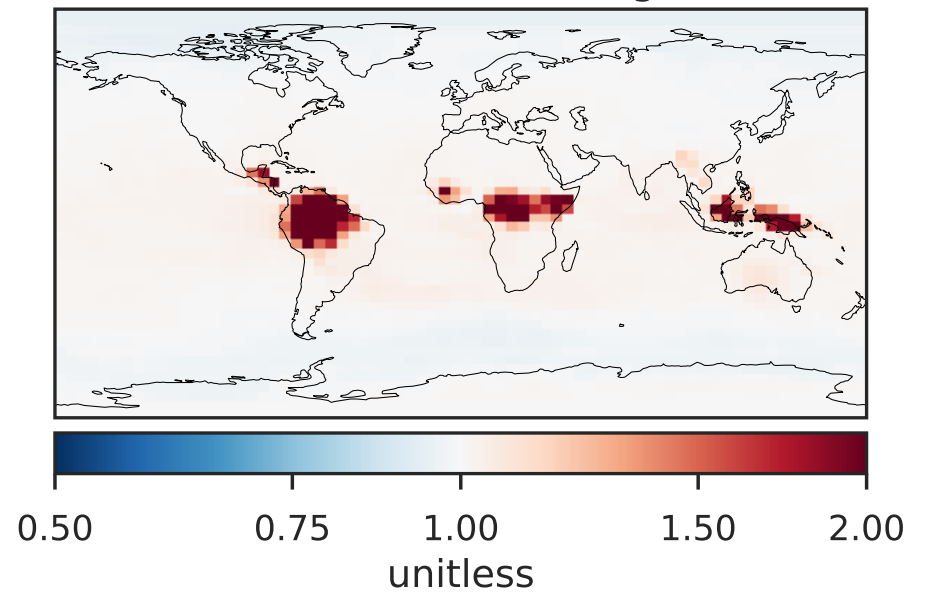
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

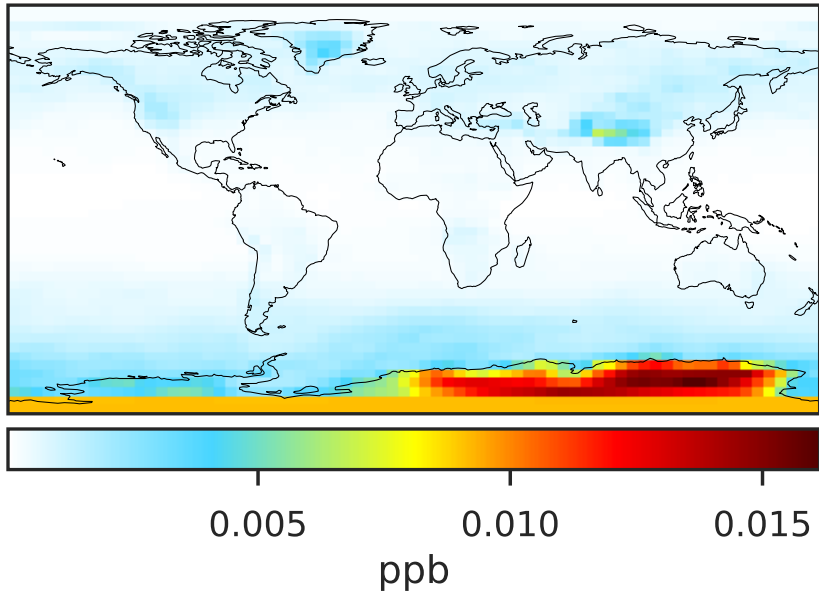


Ratio
Dev/Ref, Fixed Range

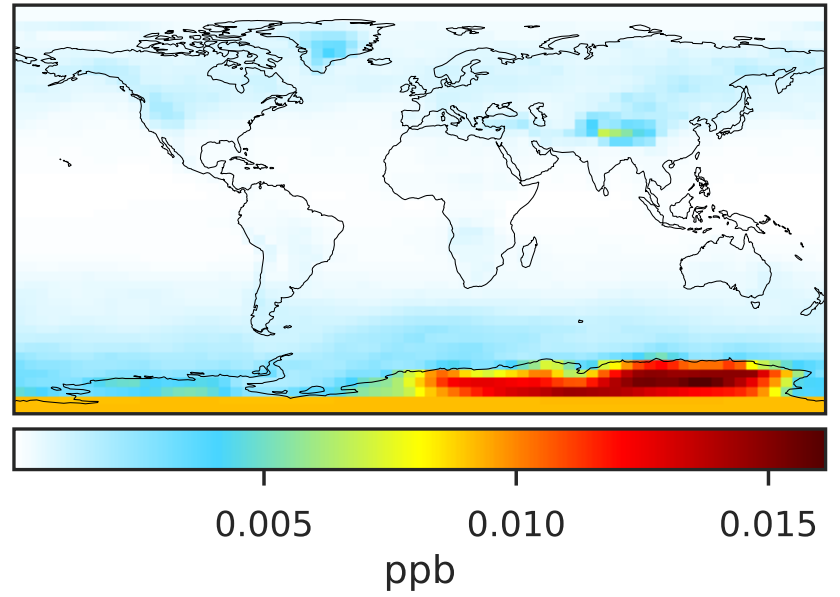


SpeciesConcVW_MPN (Oct2019)

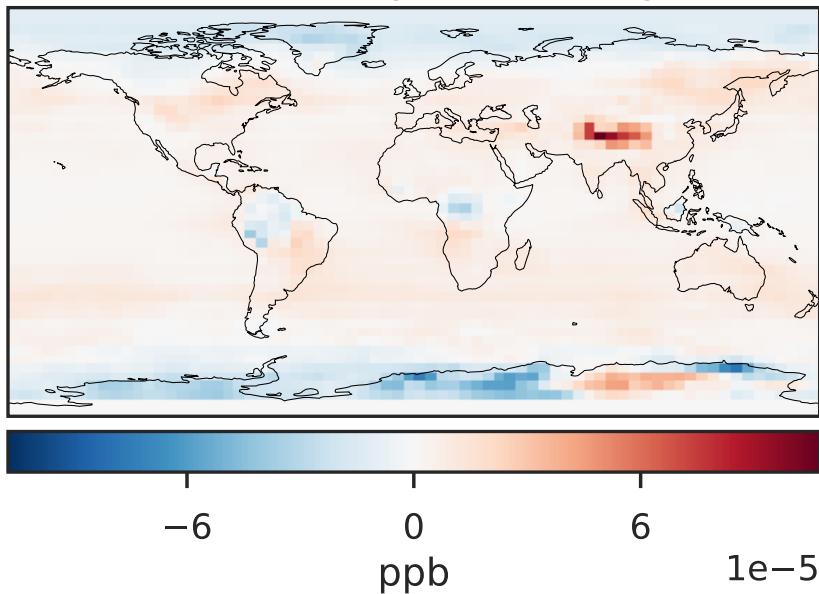
14.2.0-rc.2 (Ref)
4.0x5.0



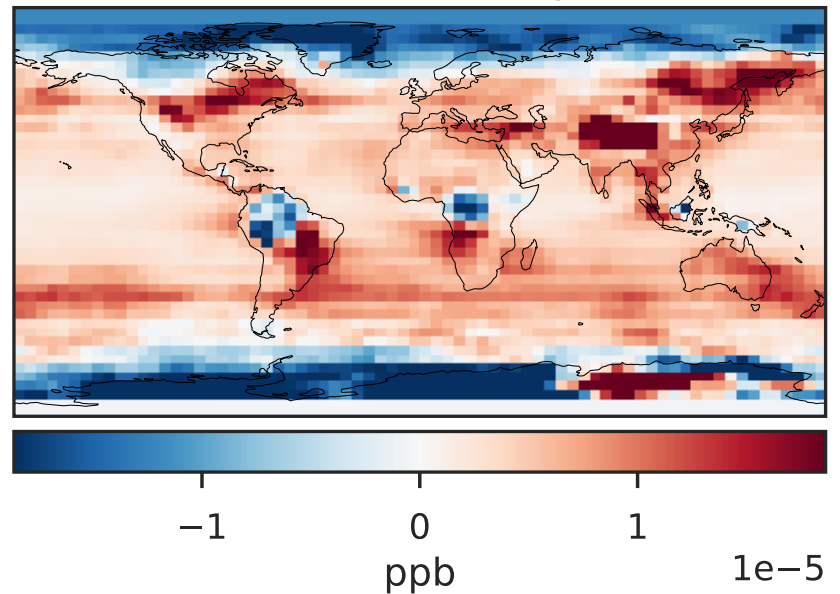
14.3.0-rc.0 (Dev)
4.0x5.0



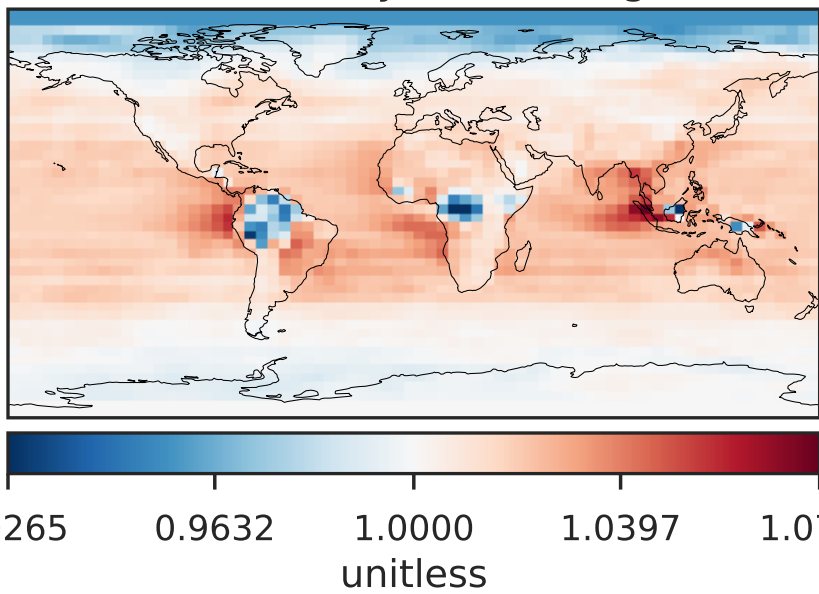
Difference
Dev - Ref, Dynamic Range



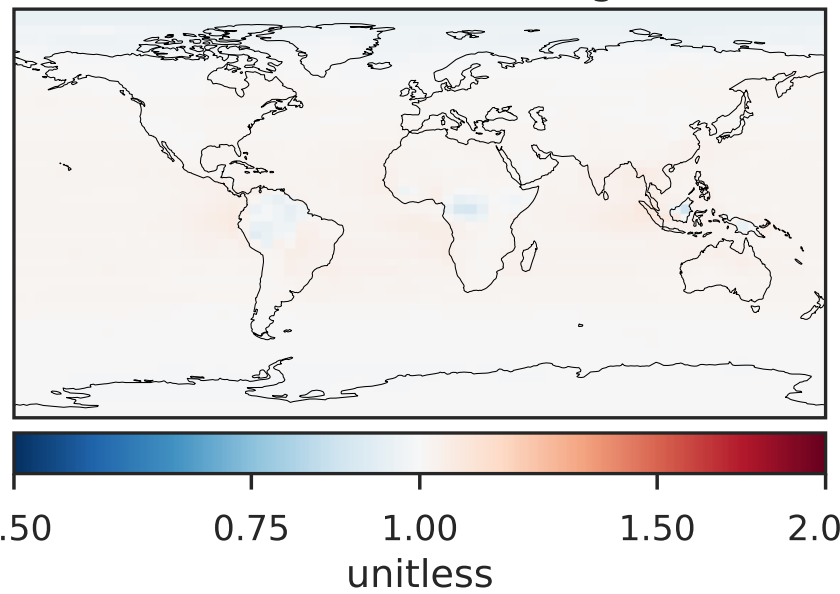
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

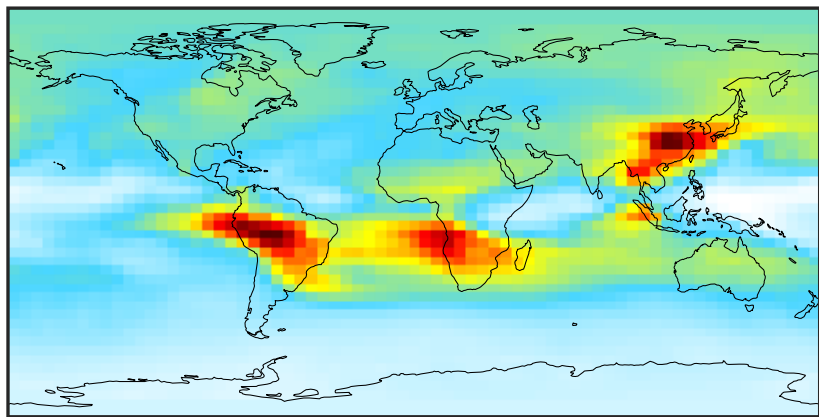


Ratio
Dev/Ref, Fixed Range



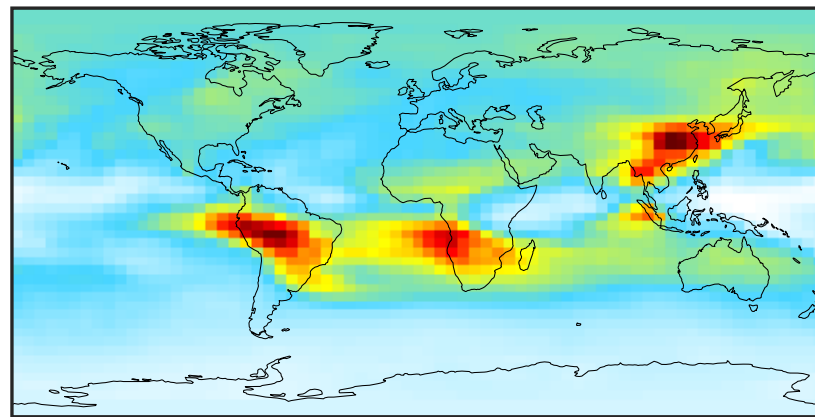
SpeciesConcVV_PAN (Oct2019)

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



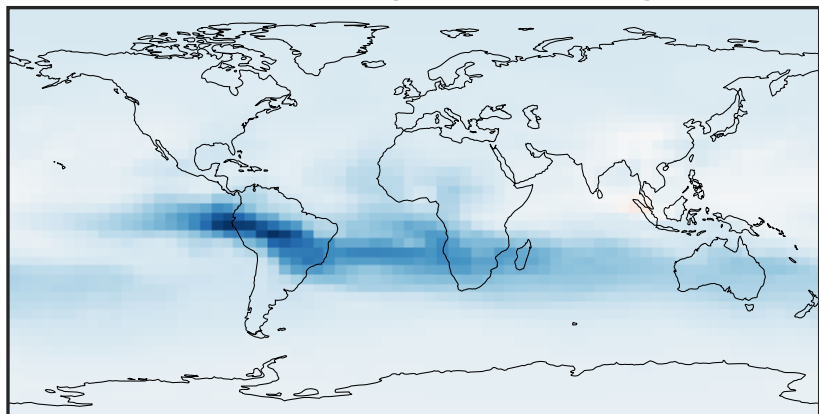
0.0103 0.1187 0.2271 0.3355 0.4439
ppb

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



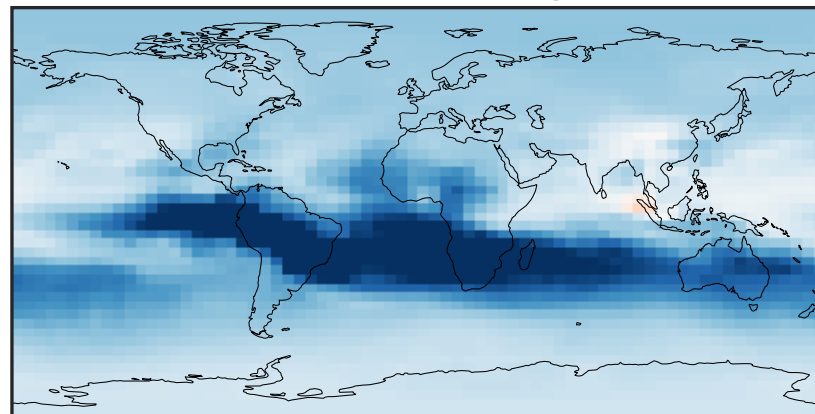
0.0103 0.1187 0.2271 0.3355 0.4439
ppb

Difference
Dev - Ref, Dynamic Range



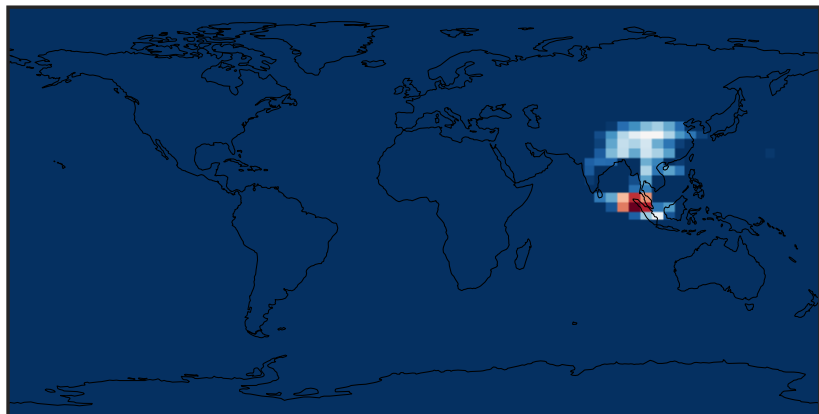
-0.01 0.00 0.01
ppb

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



-0.004 0.000 0.004
ppb

Ratio
Dev/Ref, Dynamic Range



0.99304 0.99652 1.00000 1.00351 1.00701
unitless

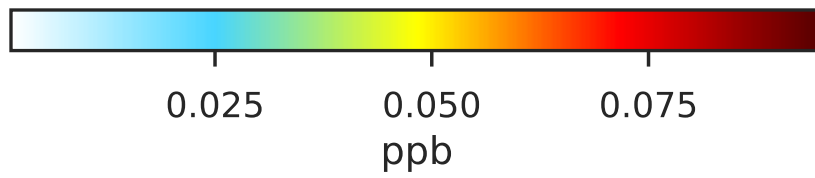
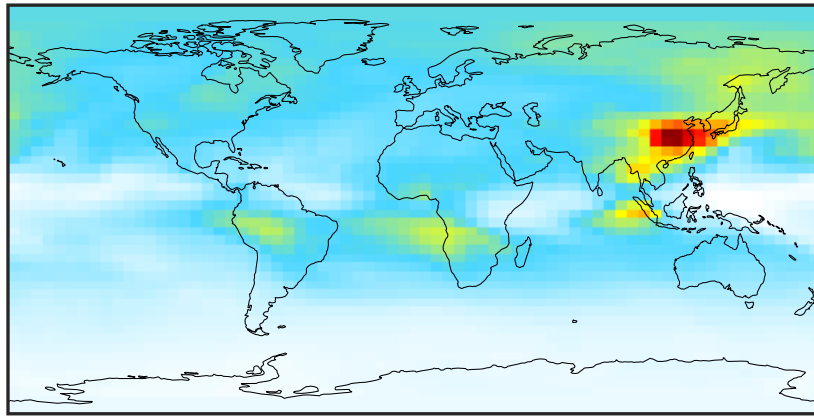
Ratio
Dev/Ref, Fixed Range



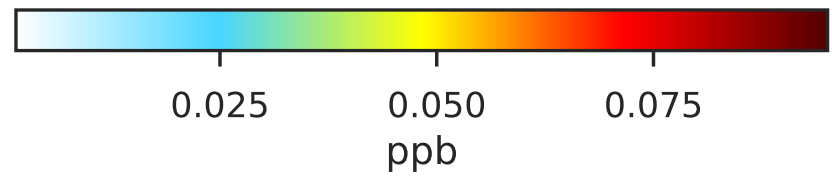
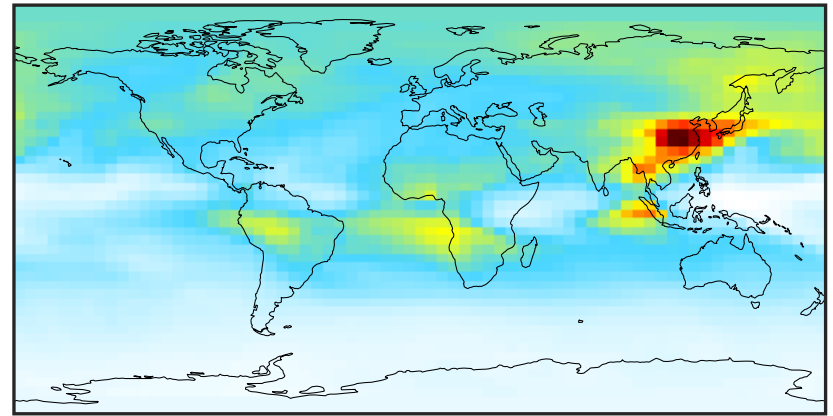
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_PPN (Oct2019)

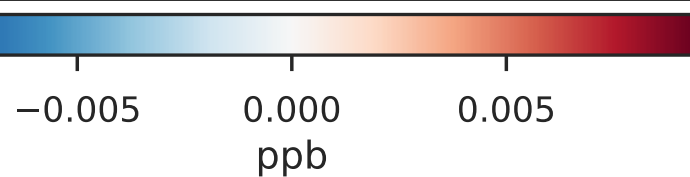
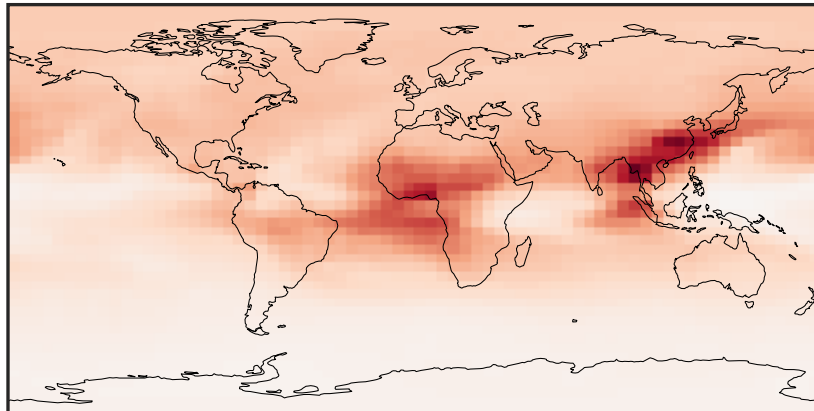
14.2.0-rc.2 (Ref)
4.0x5.0



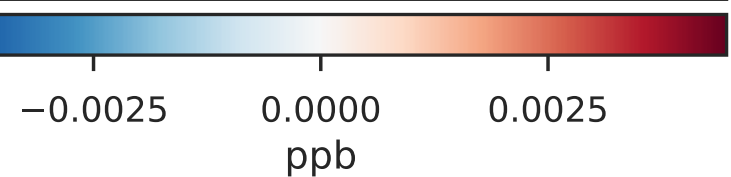
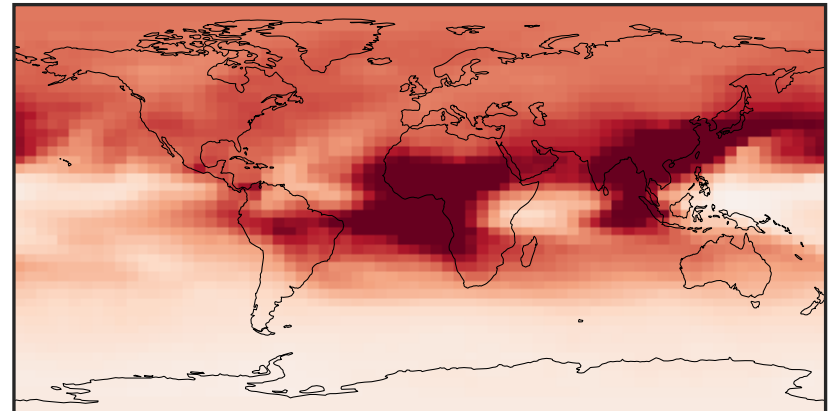
14.3.0-rc.0 (Dev)
4.0x5.0



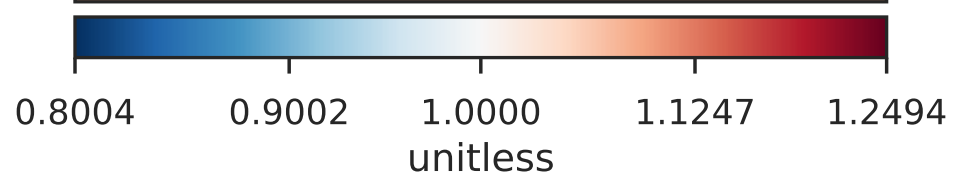
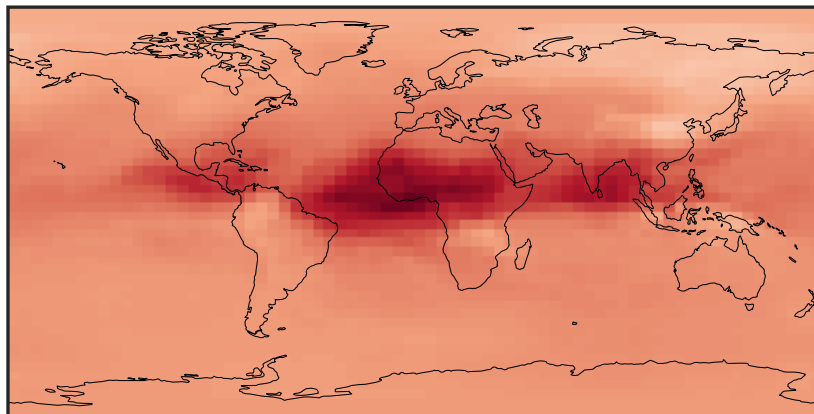
Difference
Dev - Ref, Dynamic Range



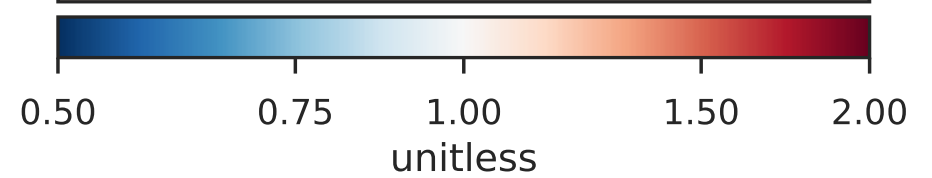
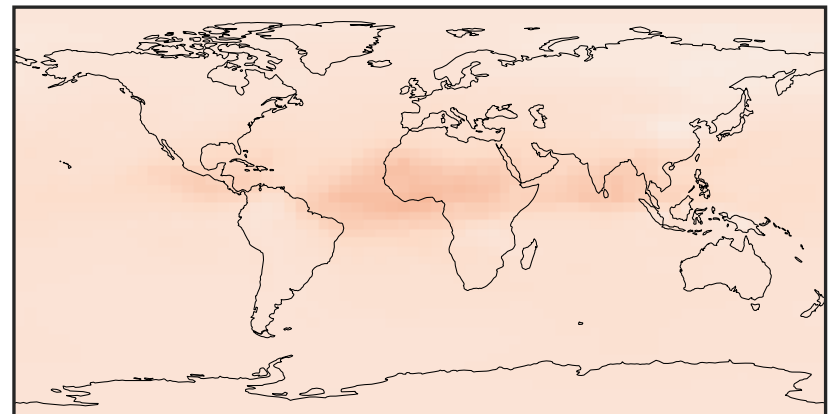
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

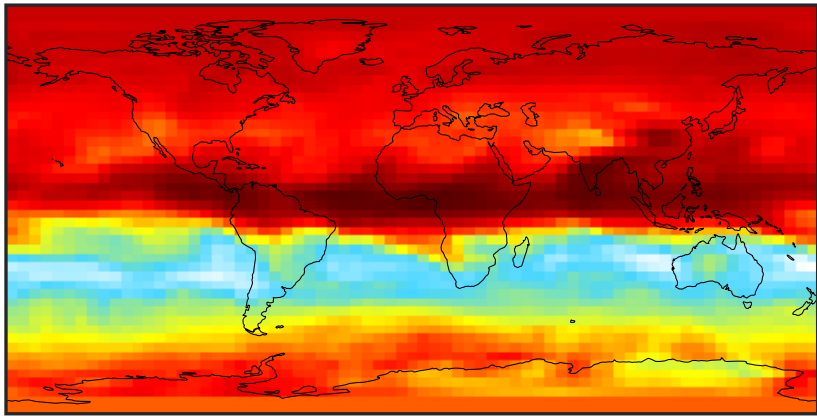


Ratio
Dev/Ref, Fixed Range



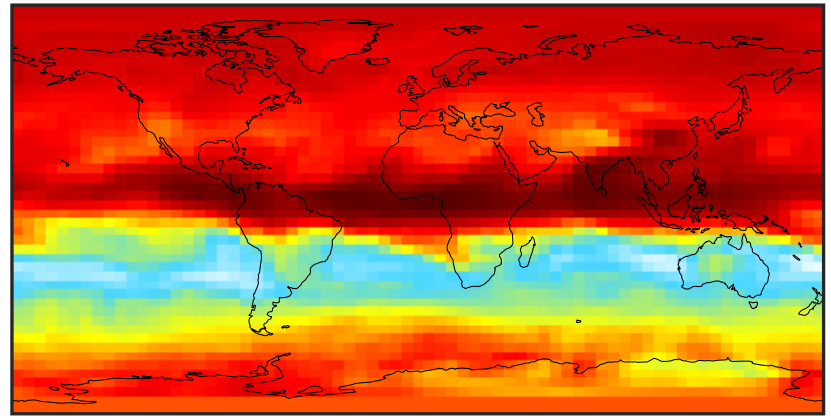
SpeciesConcVW_N2O (Oct2019)

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

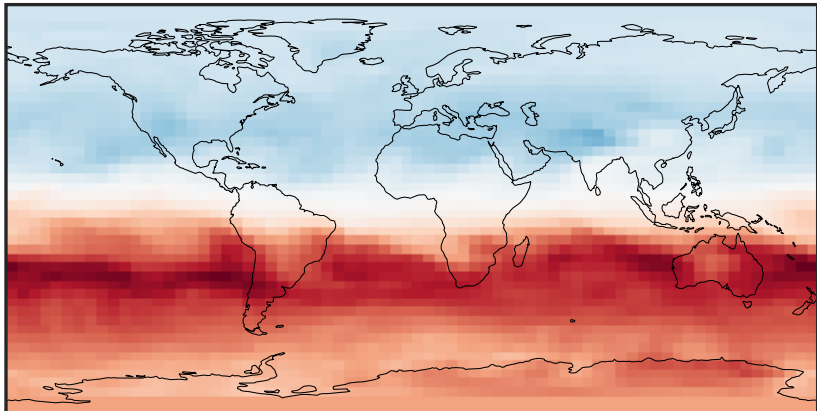


329.5757 329.7973 330.0190 330.2406 330.4623 329.5757 329.7973 330.0190 330.2406 330.4623
ppb

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

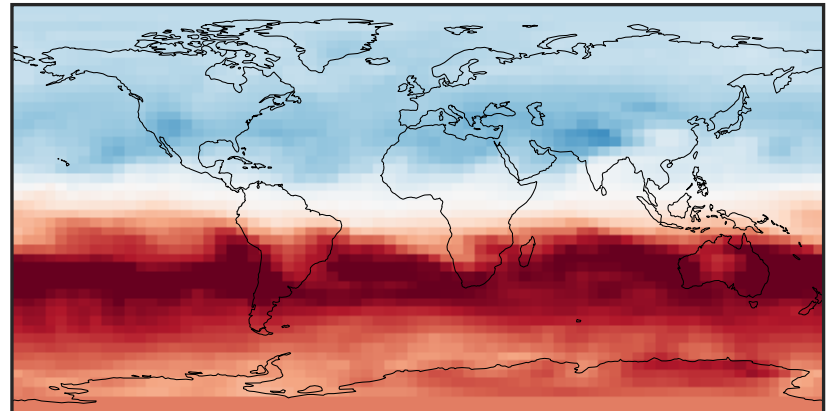


Difference
Dev - Ref, Dynamic Range



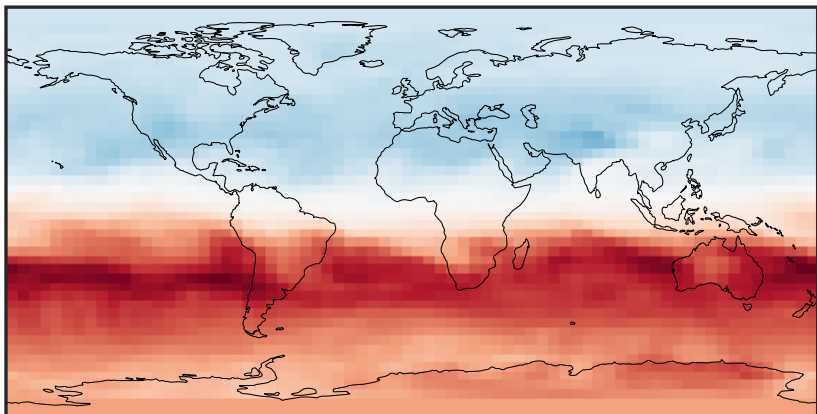
-0.015 0.000 0.015
ppb

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



-0.01 0.00 0.01
ppb

Ratio
Dev/Ref, Dynamic Range



0.9999303 1.000000 1.0000697
unitless

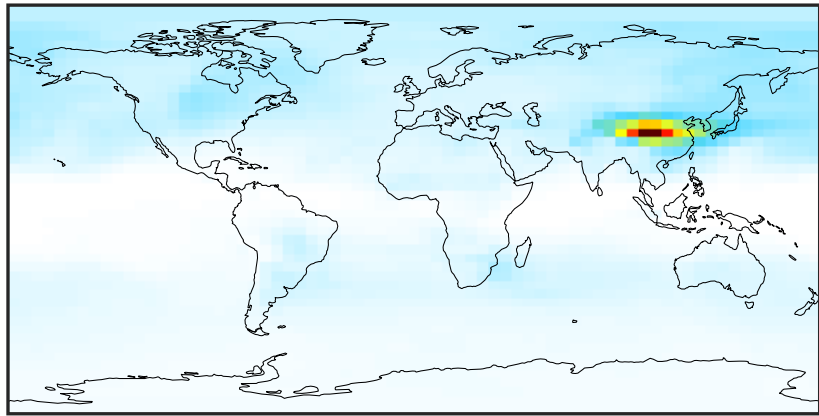
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

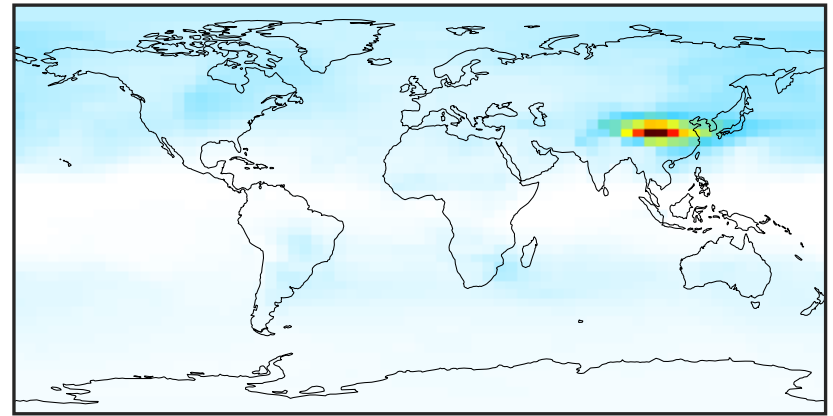
SpeciesConcVV_NHx (Oct2019)

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



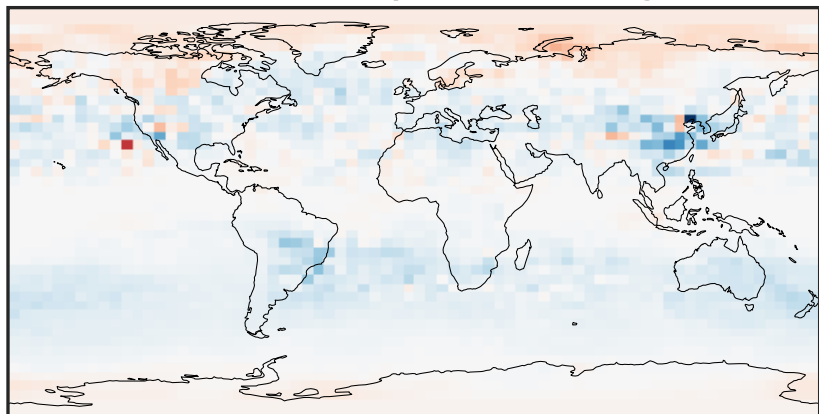
0.001 0.343 0.685 1.028 1.370
ppb

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



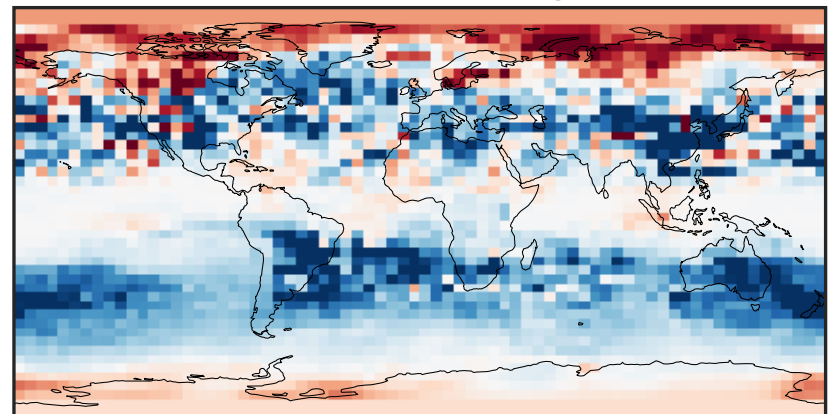
0.001 0.343 0.685 1.028 1.370
ppb

Difference
Dev - Ref, Dynamic Range



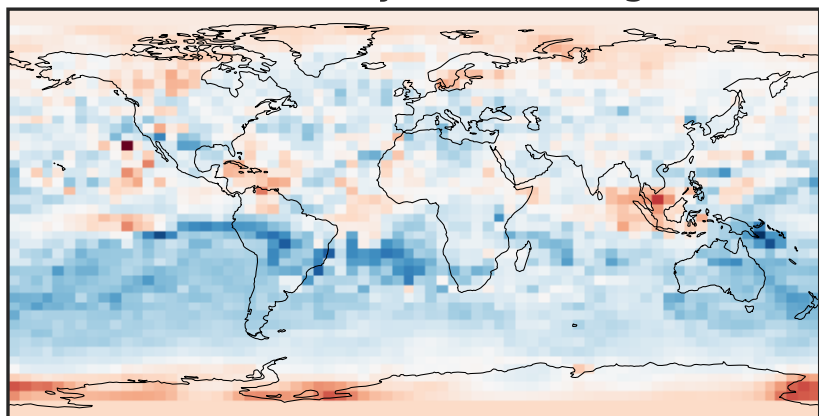
-0.0006 0.0000 0.0006
ppb

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



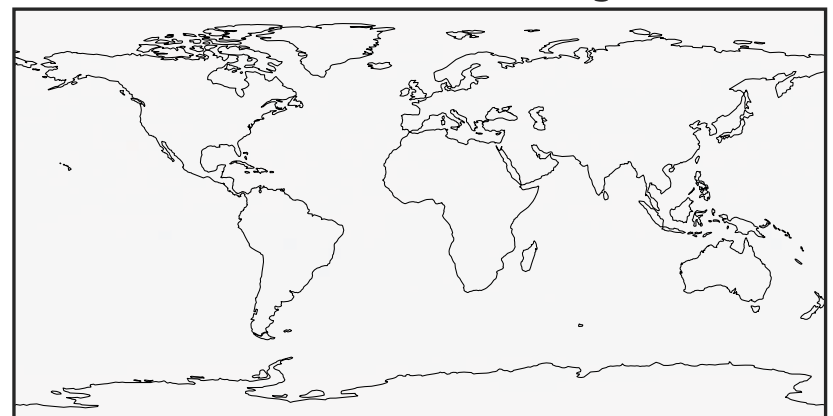
-0.0001 0.0000 0.0001
ppb

Ratio
Dev/Ref, Dynamic Range



0.99280 0.99640 1.00000 1.00363 1.00725
unitless

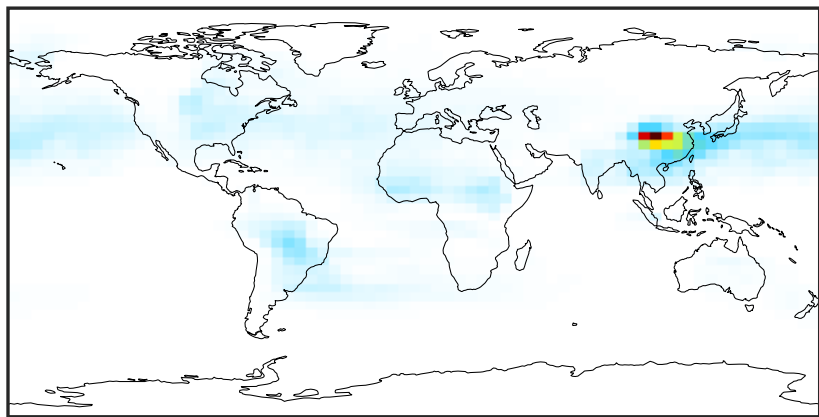
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

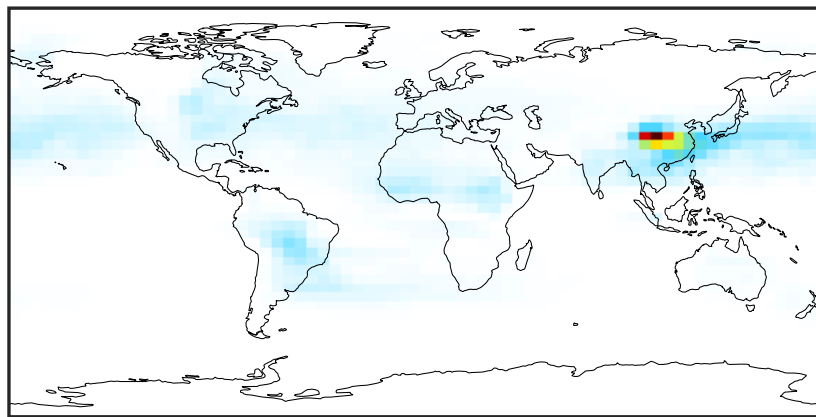
SpeciesConcVV_NH3 (Oct2019)

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



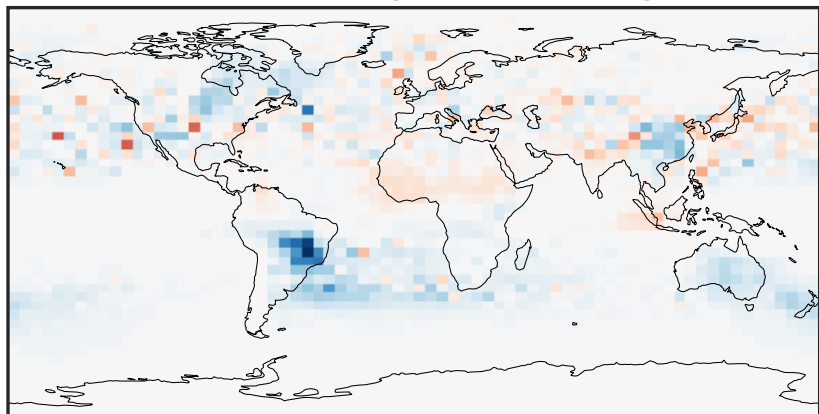
0.0000 0.1016 0.2033 0.3049 0.4066
ppb

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



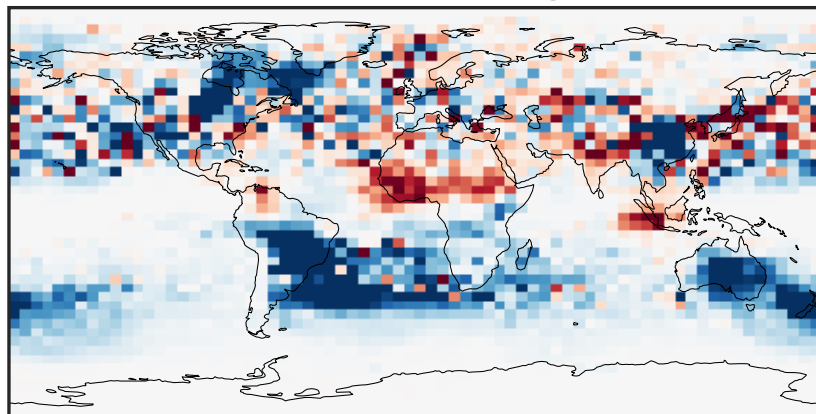
0.0000 0.1016 0.2033 0.3049 0.4066
ppb

Difference
Dev - Ref, Dynamic Range



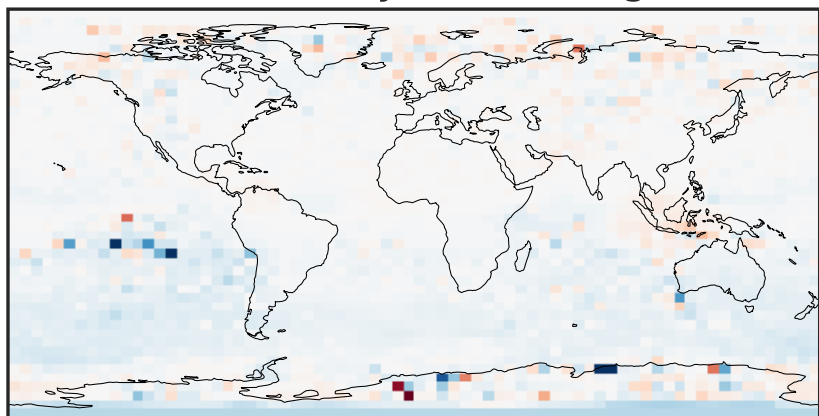
-0.0005 0.0000 0.0005
ppb

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



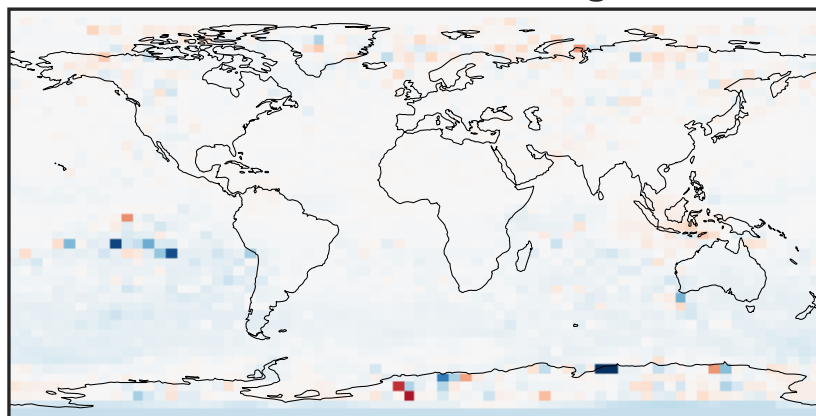
-0.0001 0.0000 0.0001
ppb

Ratio
Dev/Ref, Dynamic Range



0.568 0.784 1.000 1.381 1.762
unitless

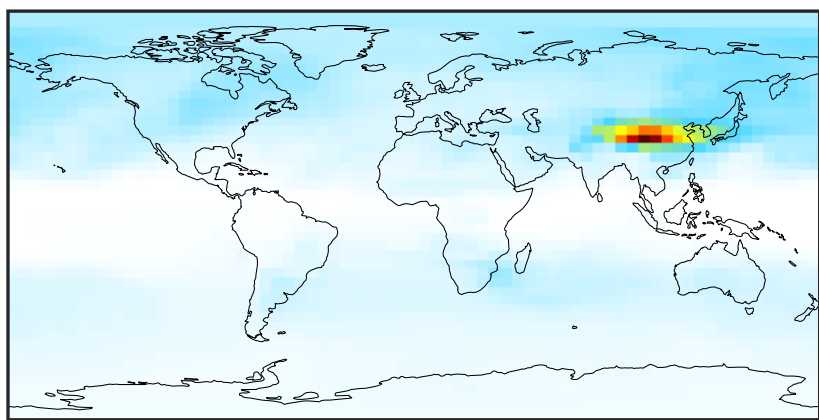
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

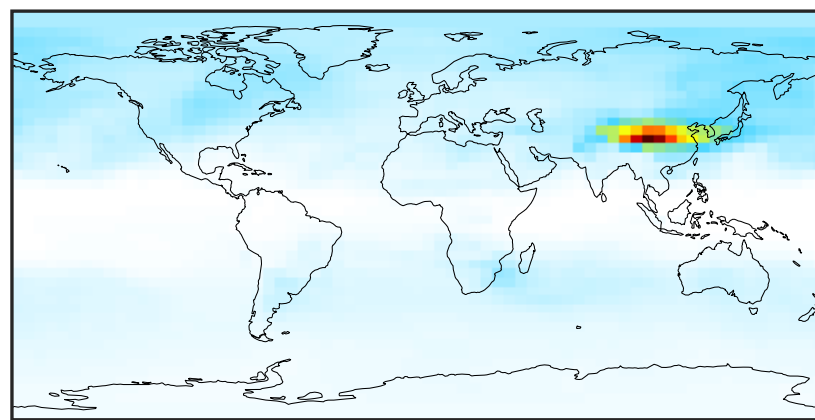
SpeciesConcVV_NH4 (Oct2019)

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



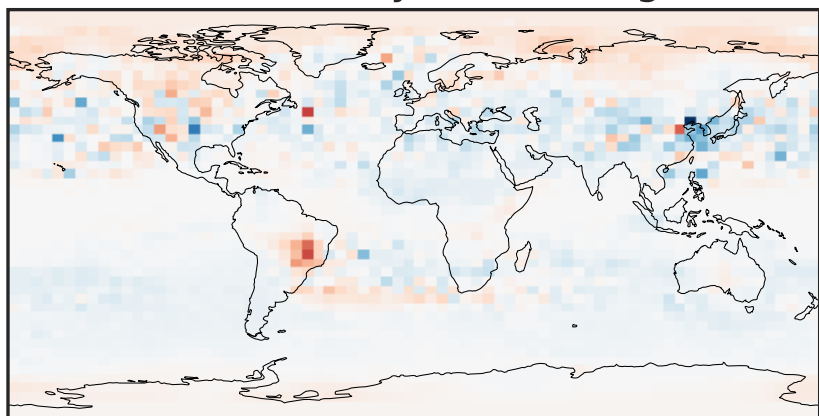
0.00 0.26 0.52 0.78 1.04
ppb

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



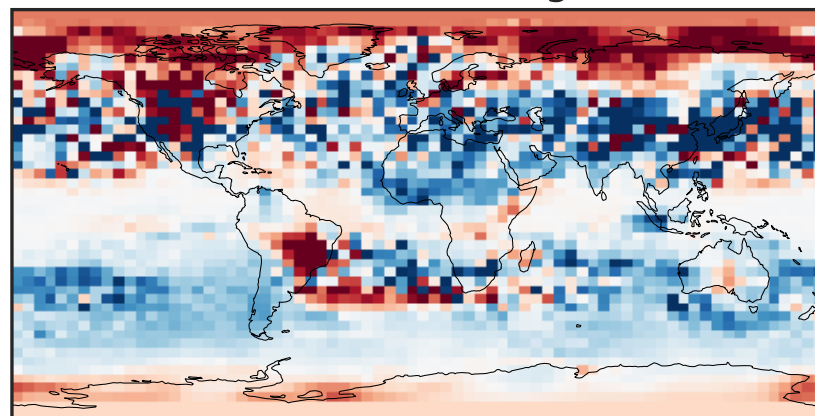
0.00 0.26 0.52 0.78 1.04
ppb

Difference
Dev - Ref, Dynamic Range



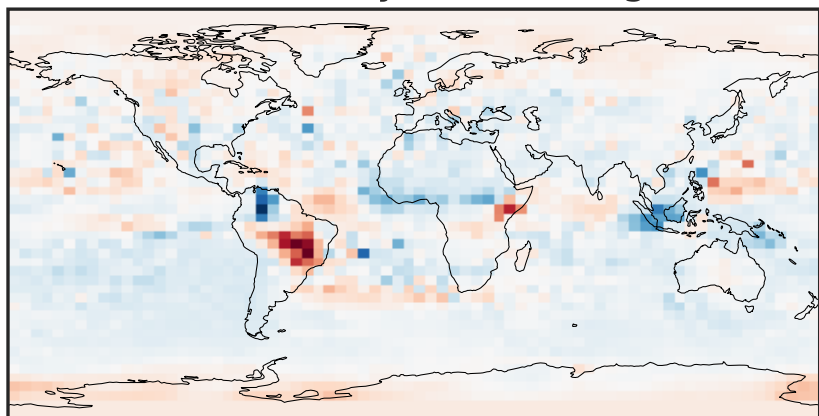
-0.0006 0.0000 0.0006
ppb

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



-0.0001 0.0000 0.0001
ppb

Ratio
Dev/Ref, Dynamic Range



0.98433 0.99217 1.00000 1.00796 1.01592
unitless

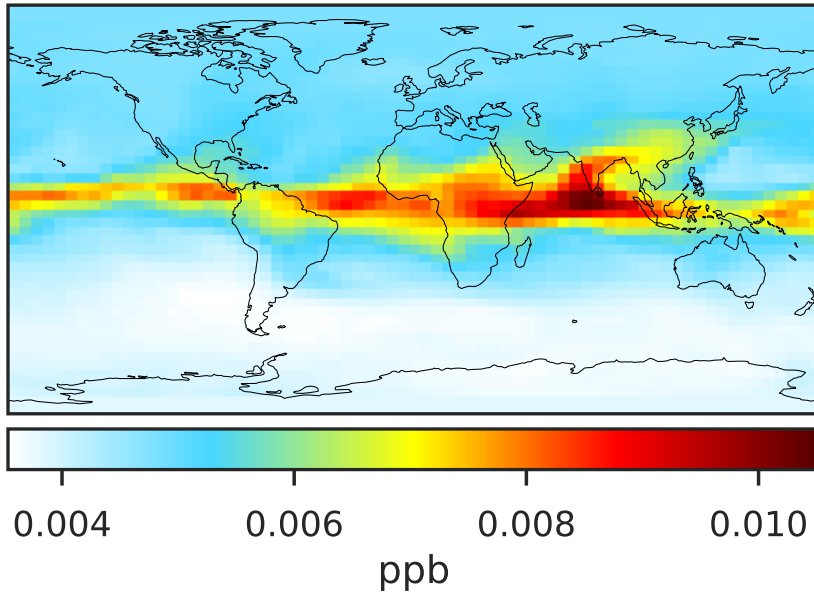
Ratio
Dev/Ref, Fixed Range



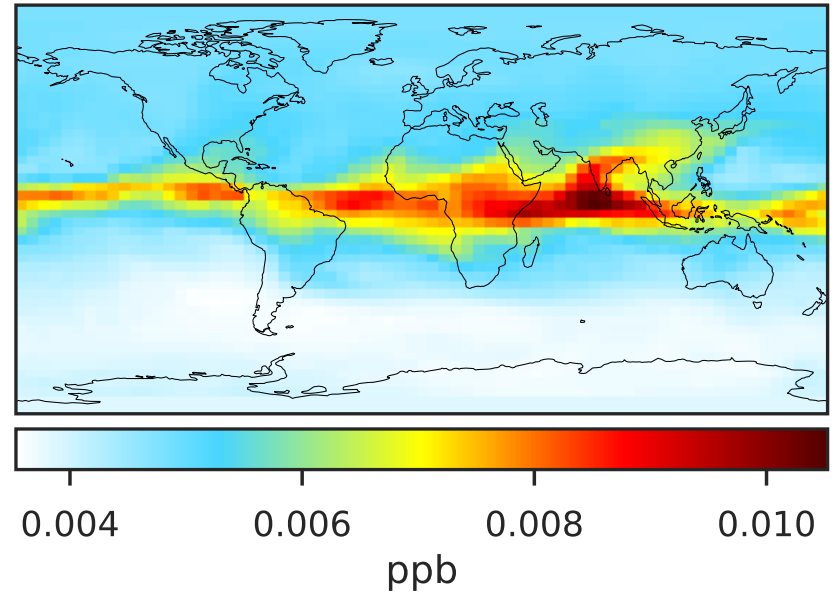
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_MENO3 (Oct2019)

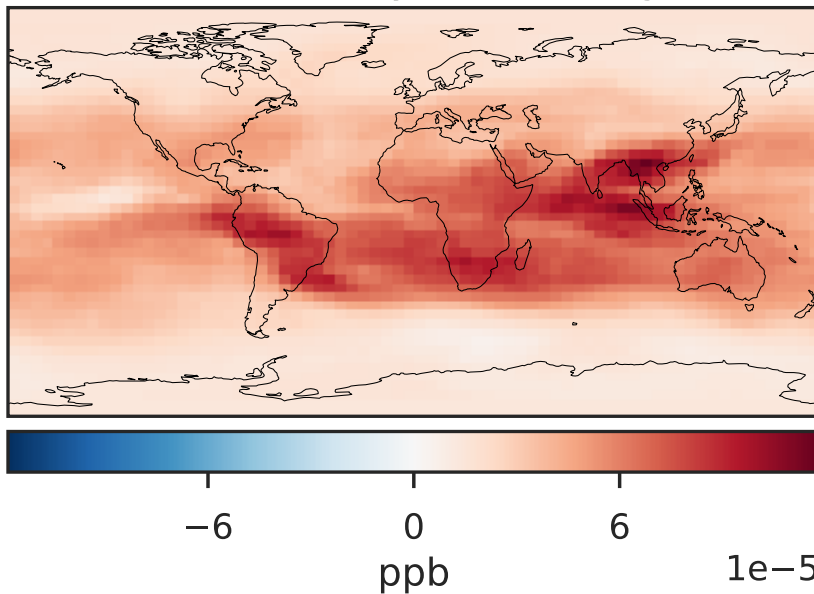
14.2.0-rc.2 (Ref)
4.0x5.0



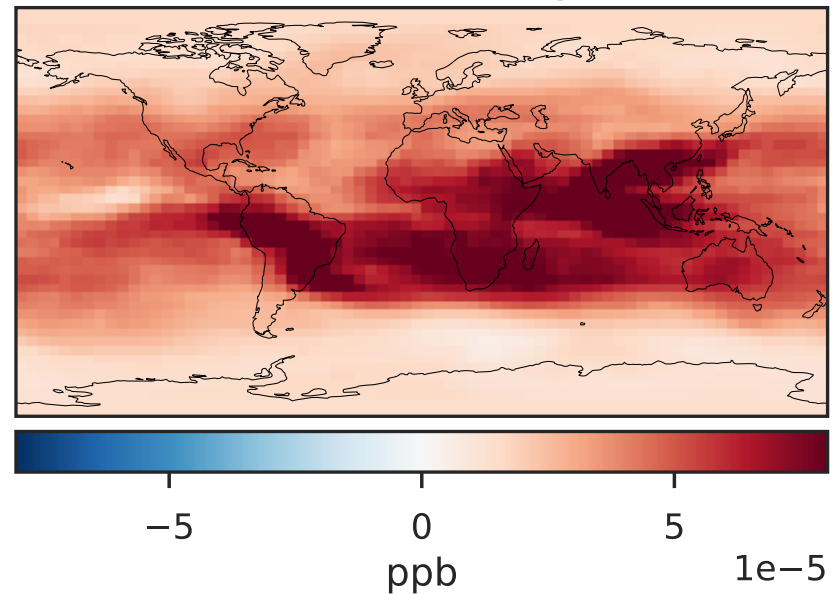
14.3.0-rc.0 (Dev)
4.0x5.0



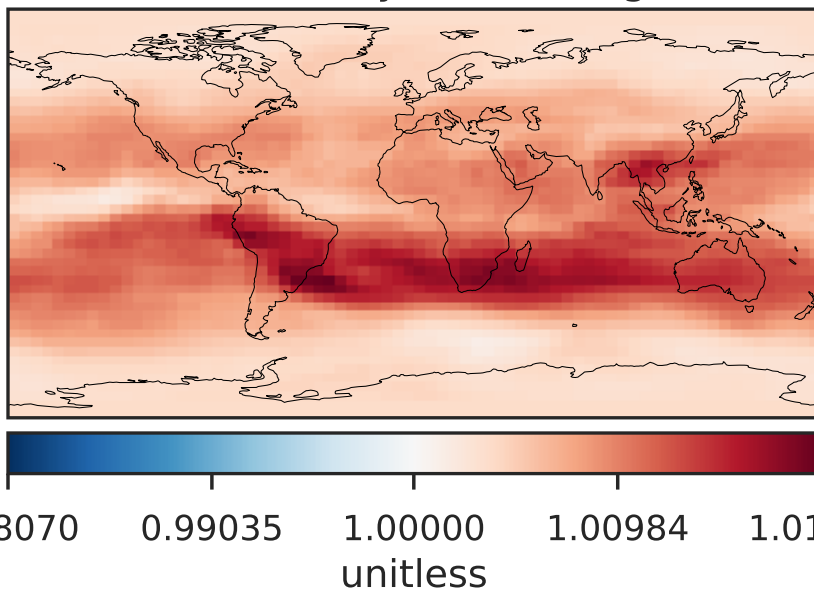
Difference
Dev - Ref, Dynamic Range



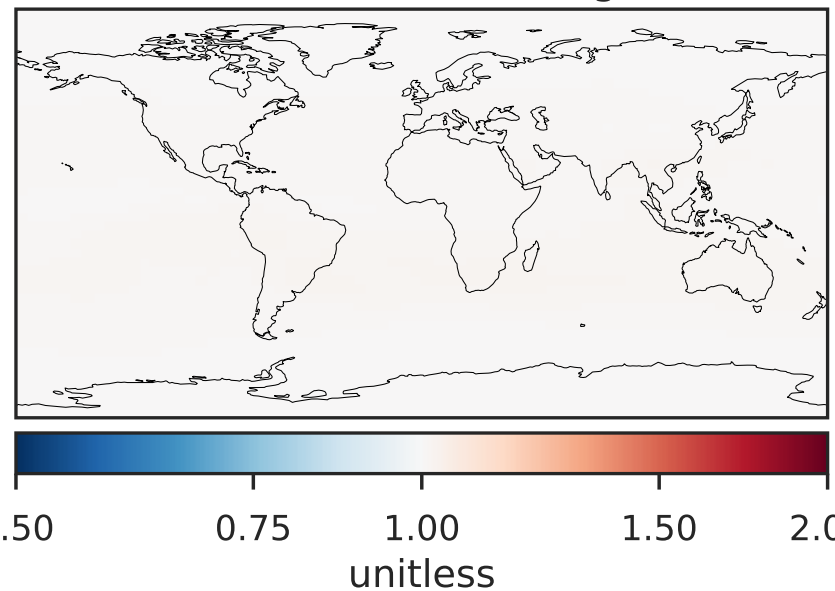
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

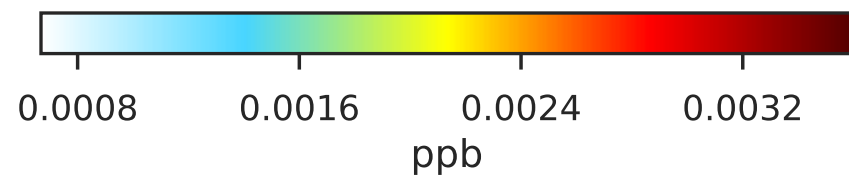
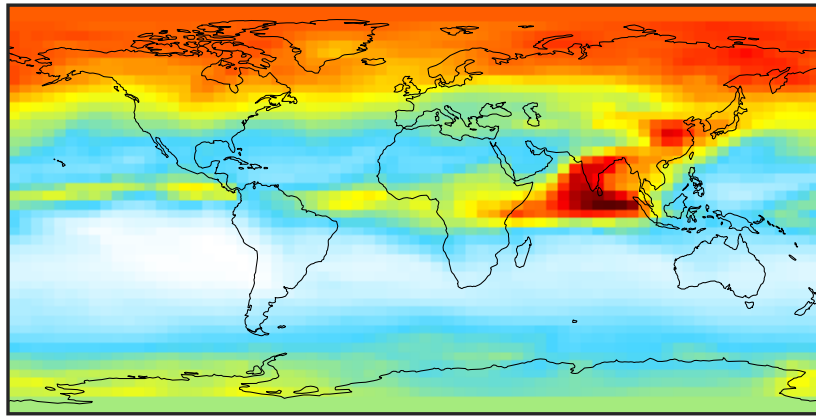


Ratio
Dev/Ref, Fixed Range

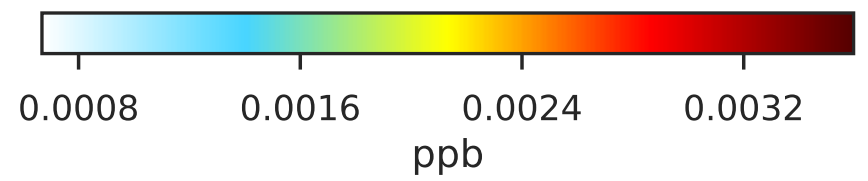
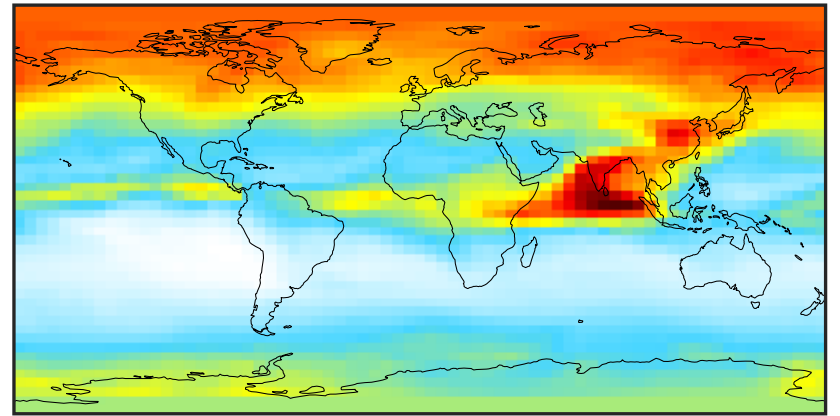


SpeciesConcVV_ETNO3 (Oct2019)

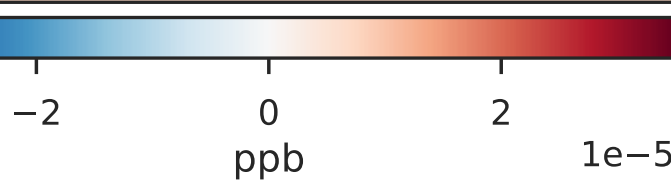
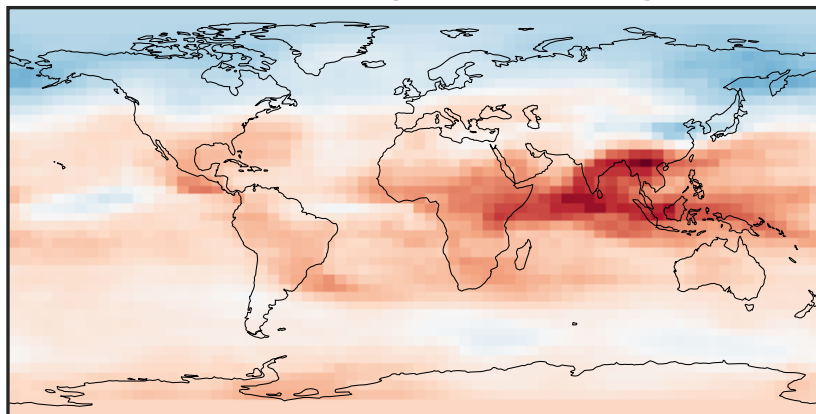
14.2.0-rc.2 (Ref)
4.0x5.0



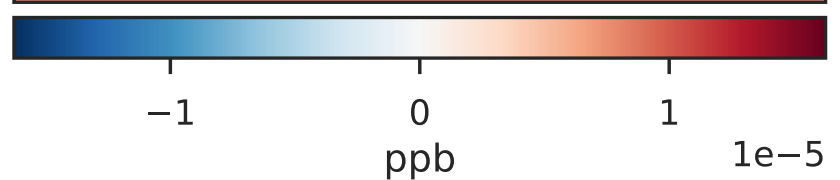
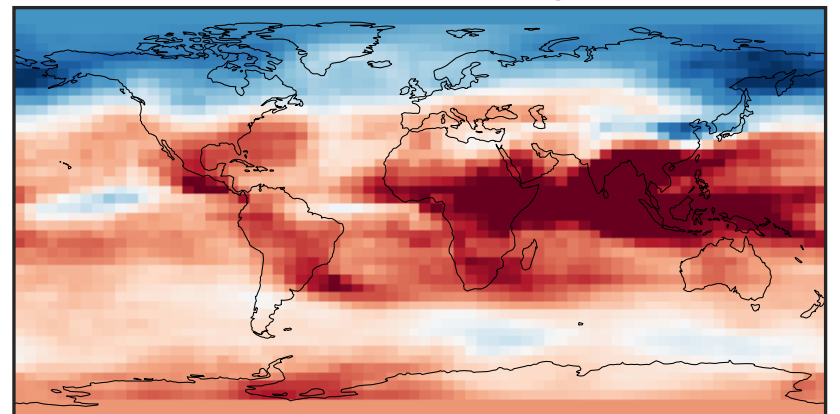
14.3.0-rc.0 (Dev)
4.0x5.0



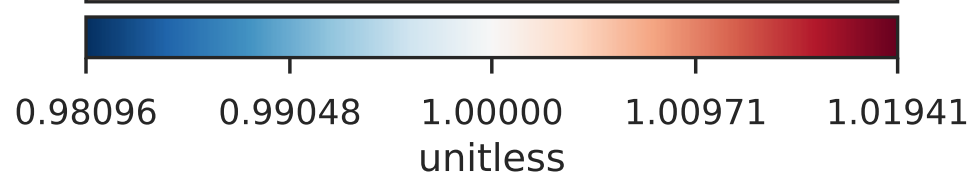
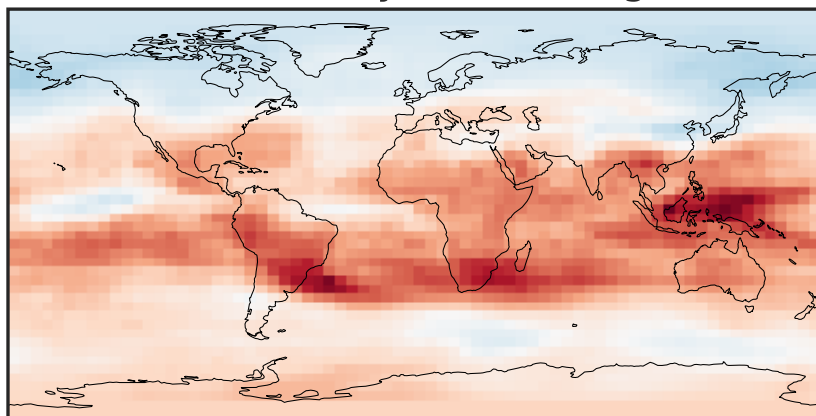
Difference
Dev - Ref, Dynamic Range



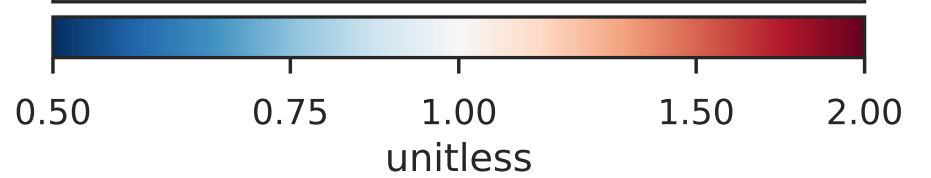
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

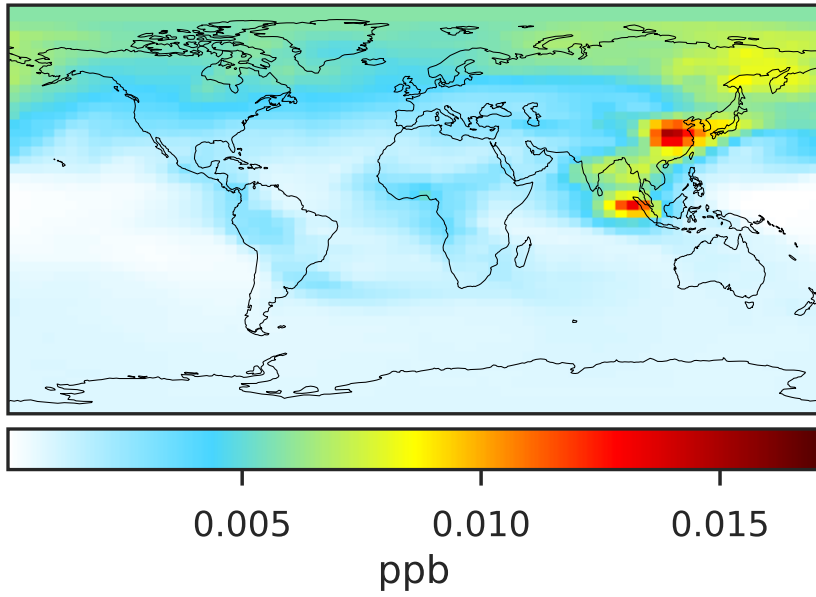


Ratio
Dev/Ref, Fixed Range

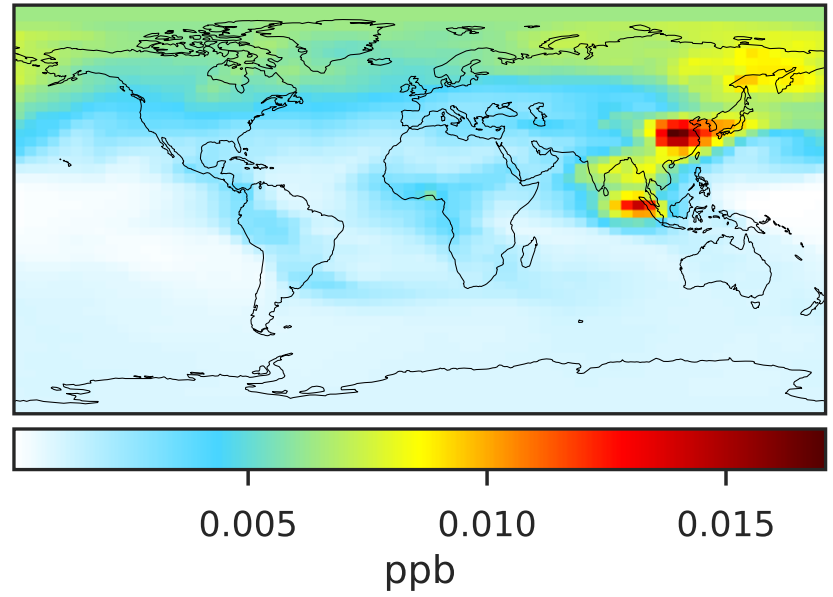


SpeciesConcVV_IPRNO3 (Oct2019)

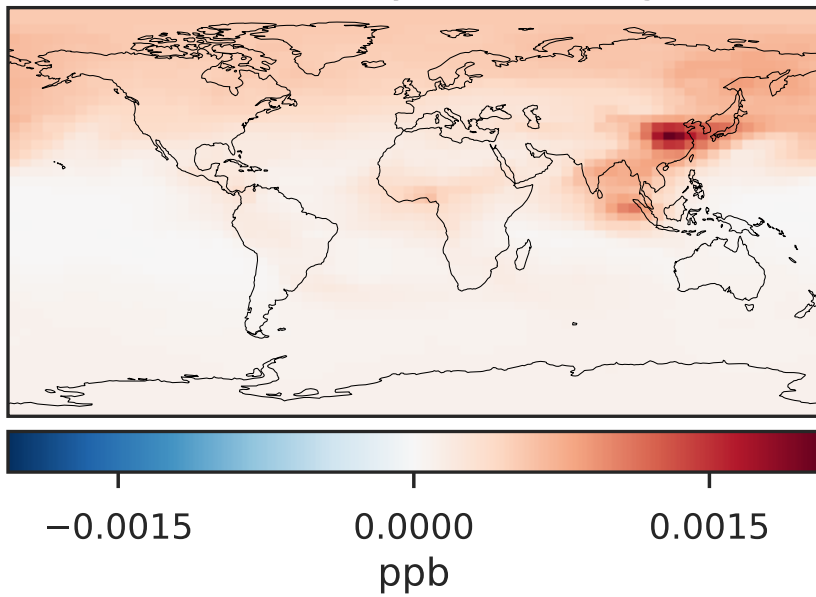
14.2.0-rc.2 (Ref)
4.0x5.0



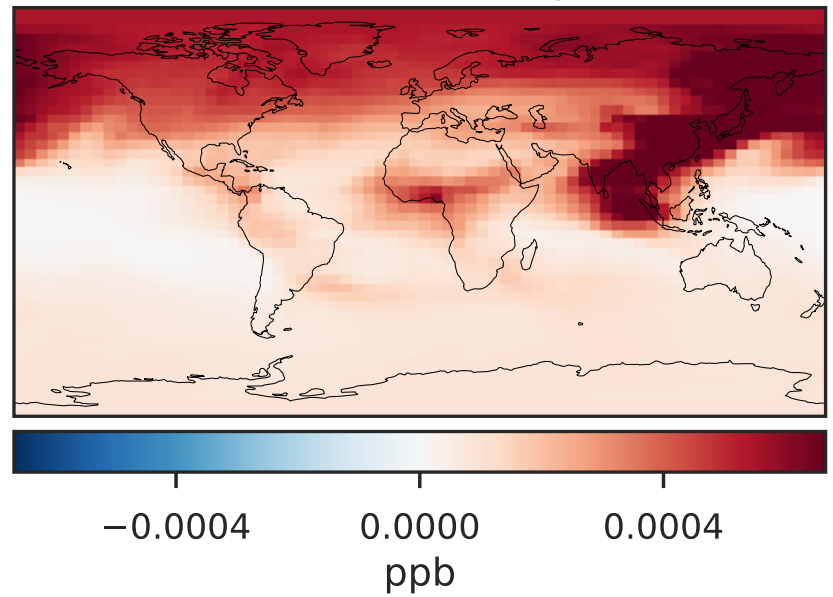
14.3.0-rc.0 (Dev)
4.0x5.0



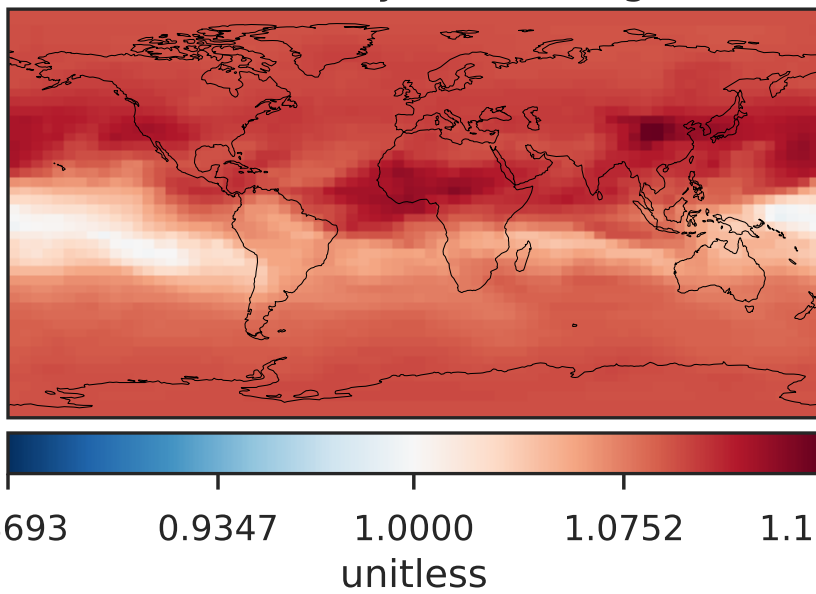
Difference
Dev - Ref, Dynamic Range



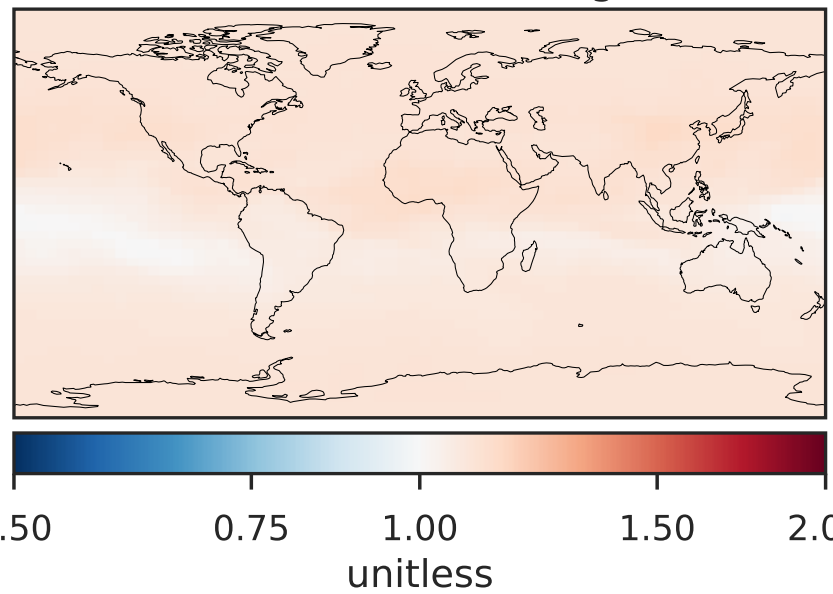
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

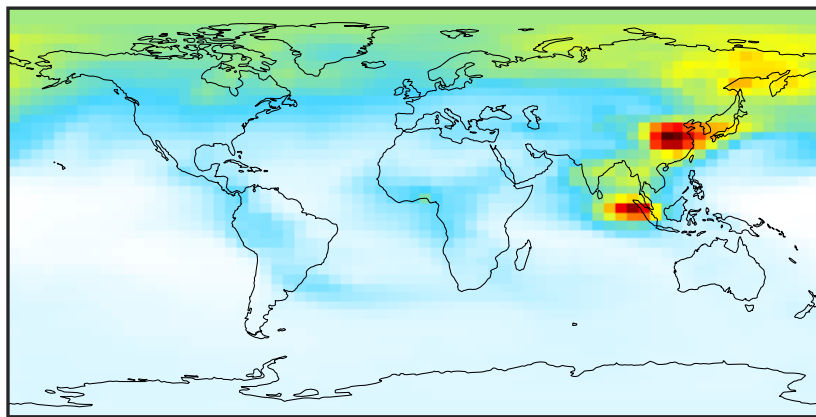


Ratio
Dev/Ref, Fixed Range



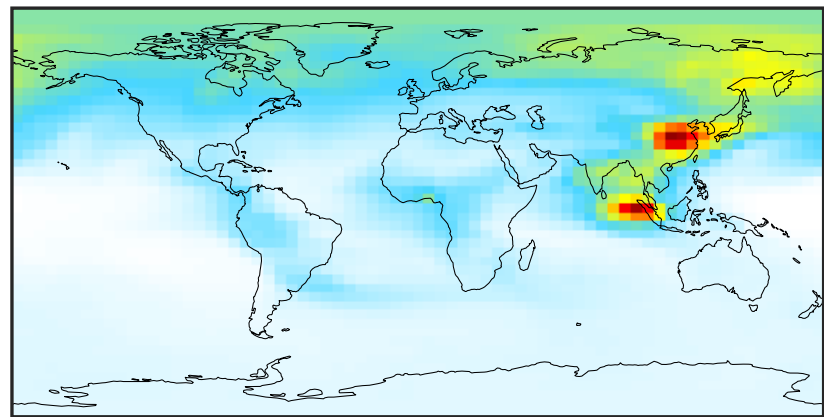
SpeciesConcVV_NPRNO3 (Oct2019)

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



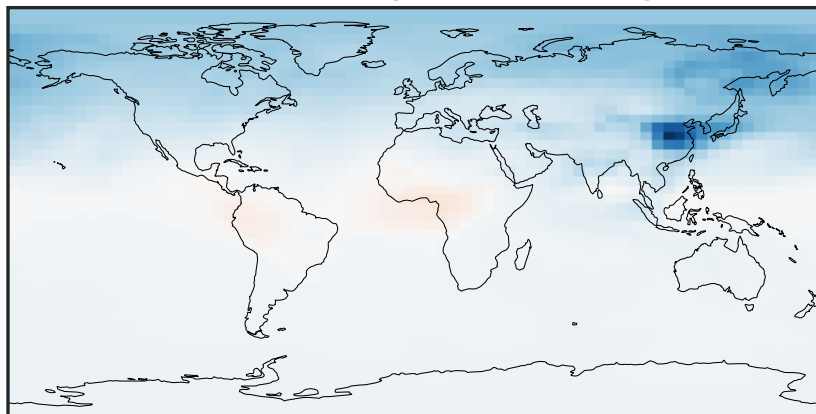
0.001 0.002 0.003
ppb

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



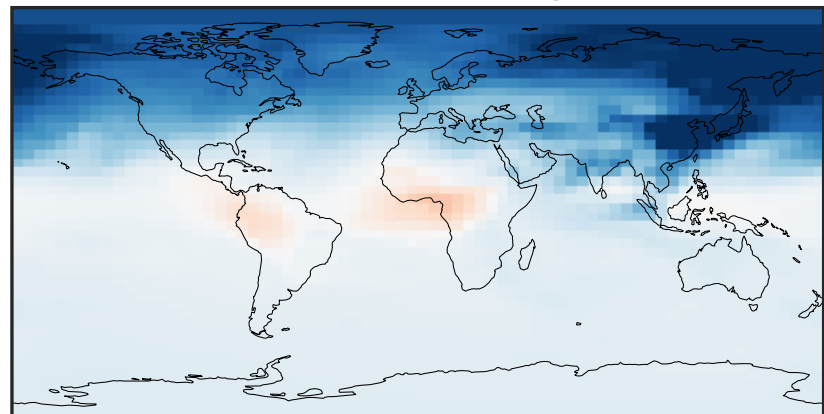
0.001 0.002 0.003
ppb

Difference
Dev - Ref, Dynamic Range



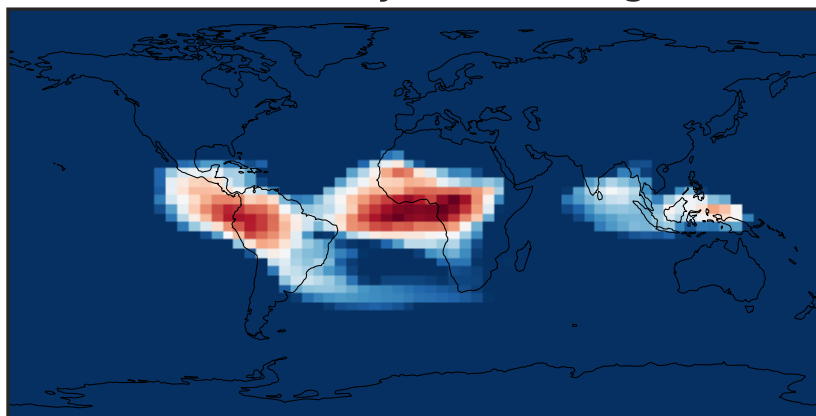
-0.0002 0.0000 0.0002
ppb

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



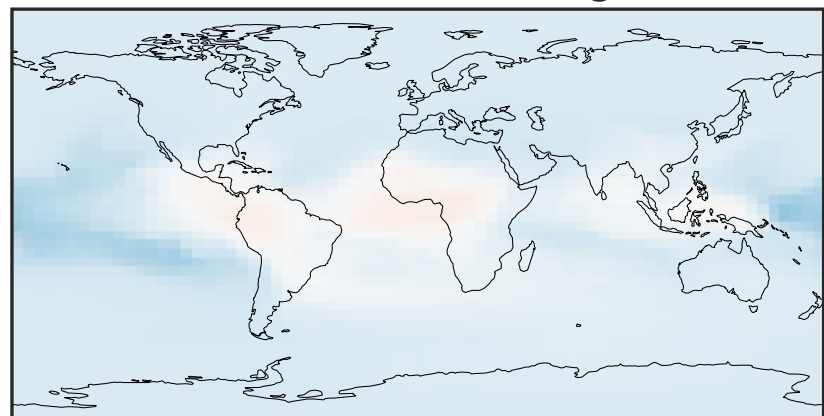
-8 0 8
ppb 1e-5

Ratio
Dev/Ref, Dynamic Range



0.95237 0.97618 1.00000 1.02501 1.05001
unitless

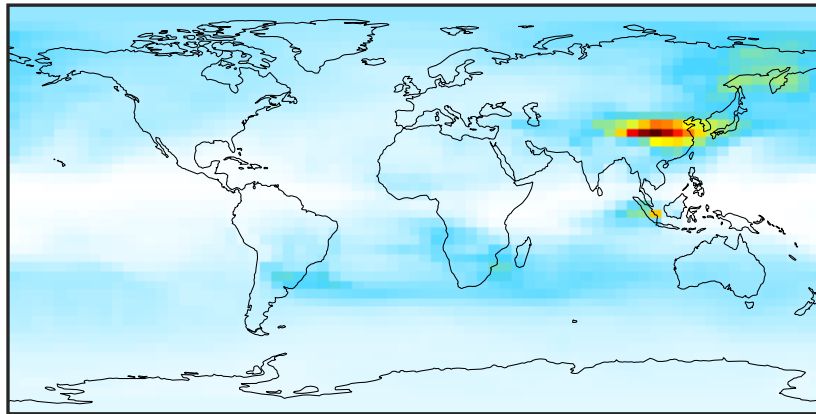
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

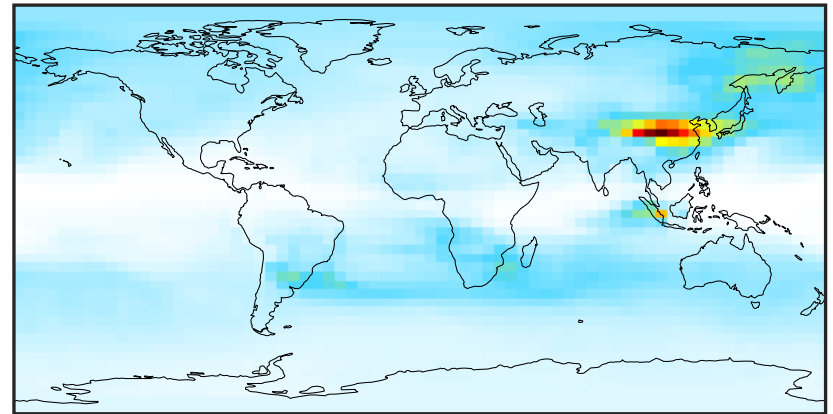
SpeciesConcVV_AONITA (Oct2019)

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



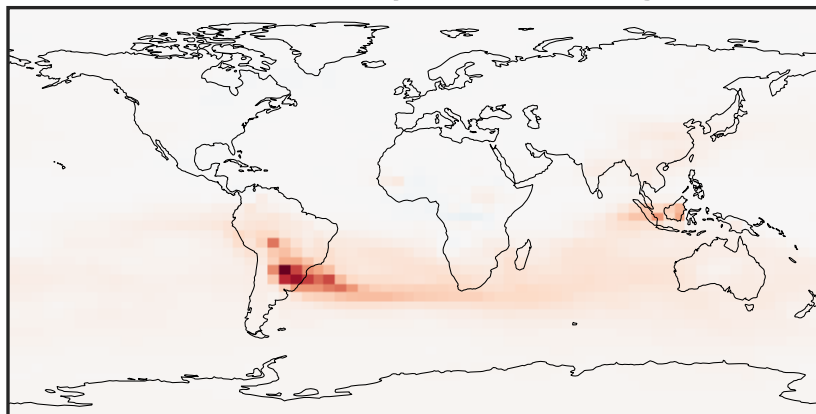
0.0015 0.0030 0.0045
ppb

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



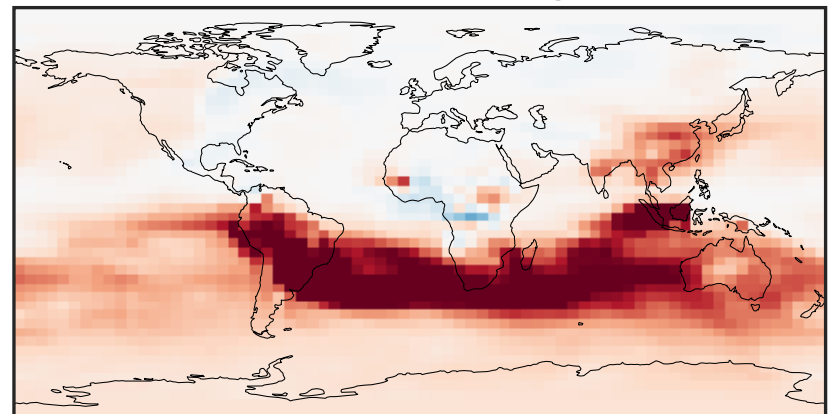
0.0015 0.0030 0.0045
ppb

Difference
Dev - Ref, Dynamic Range



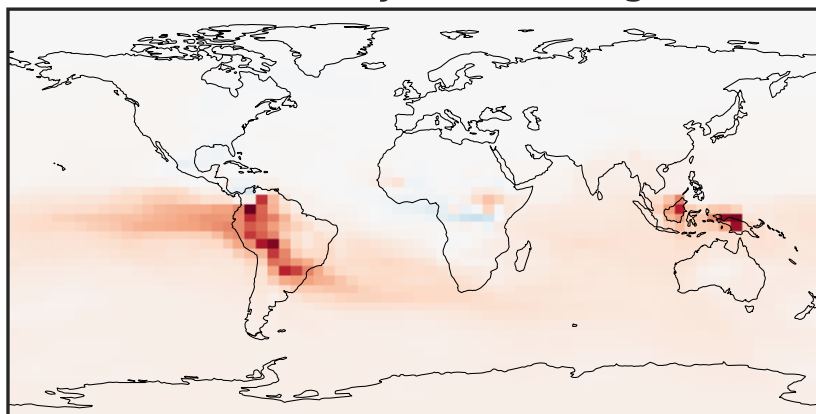
-0.00015 0.00000 0.00015
ppb

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



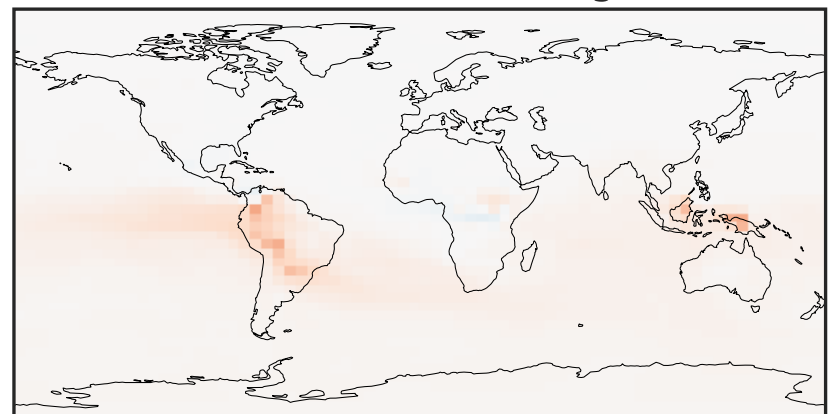
-1.5 0.0 1.5
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.7646 0.8823 1.0000 1.1539 1.3078
unitless

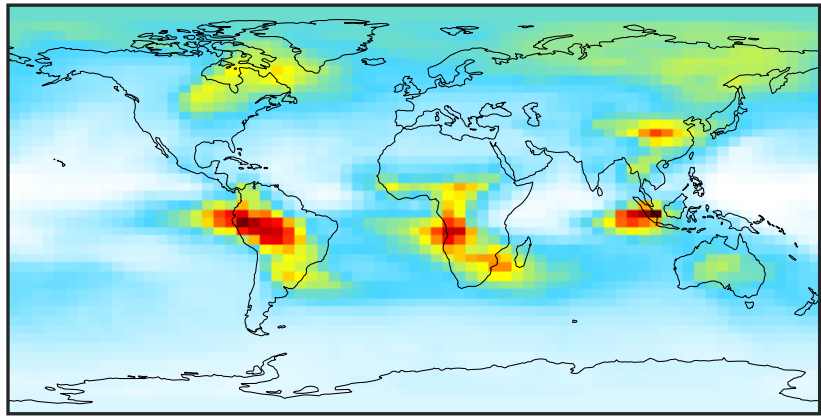
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

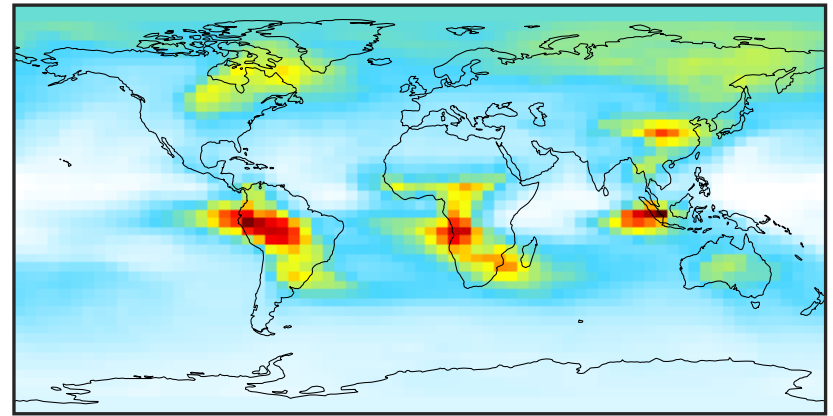
SpeciesConcVV_ETHN (Oct2019)

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



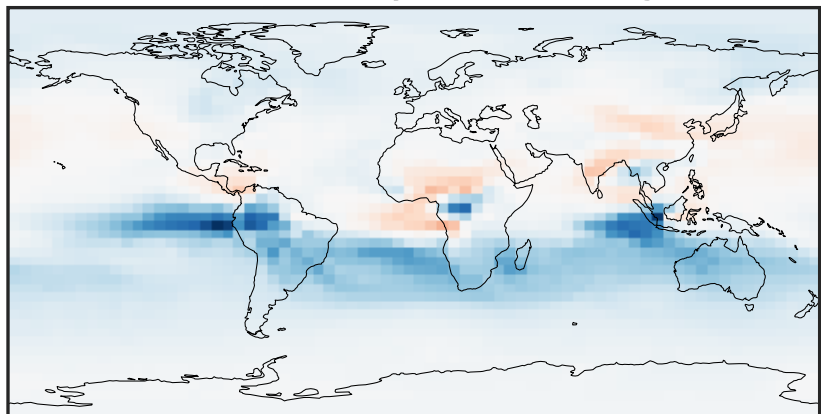
0.00015 0.00030 0.00045
ppb

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



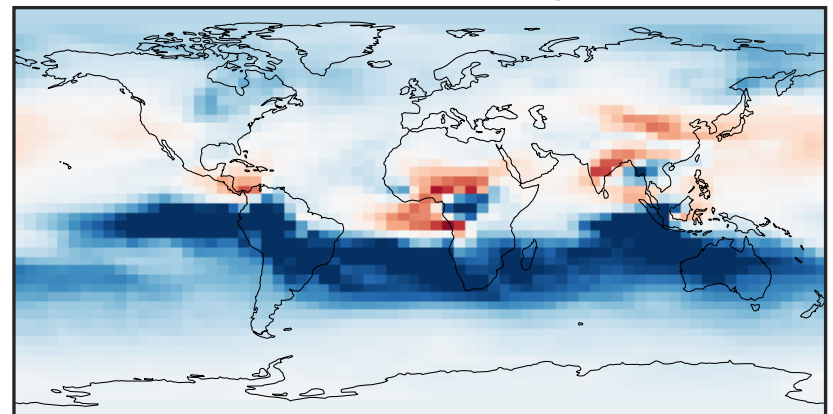
0.00015 0.00030 0.00045
ppb

Difference
Dev - Ref, Dynamic Range



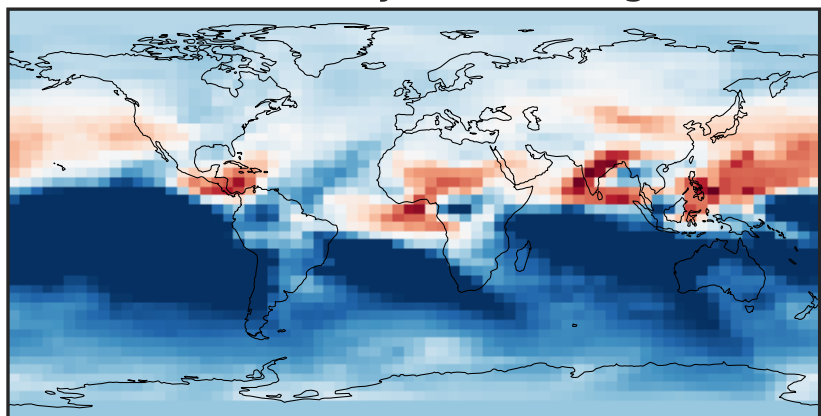
-4 0 4
ppb $1e-6$

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



-1.5 0.0 1.5
ppb $1e-6$

Ratio
Dev/Ref, Dynamic Range



0.98252 0.99126 1.00000 1.00890 1.01779
unitless

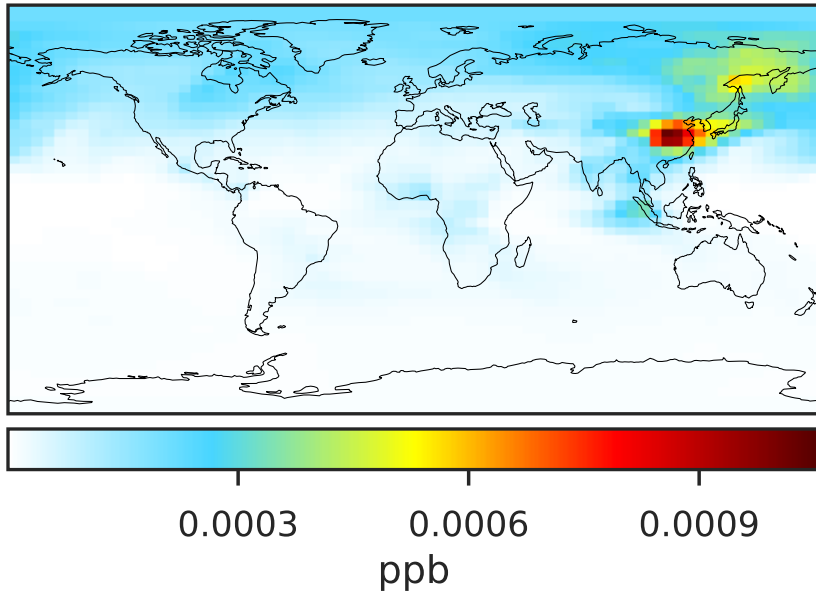
Ratio
Dev/Ref, Fixed Range



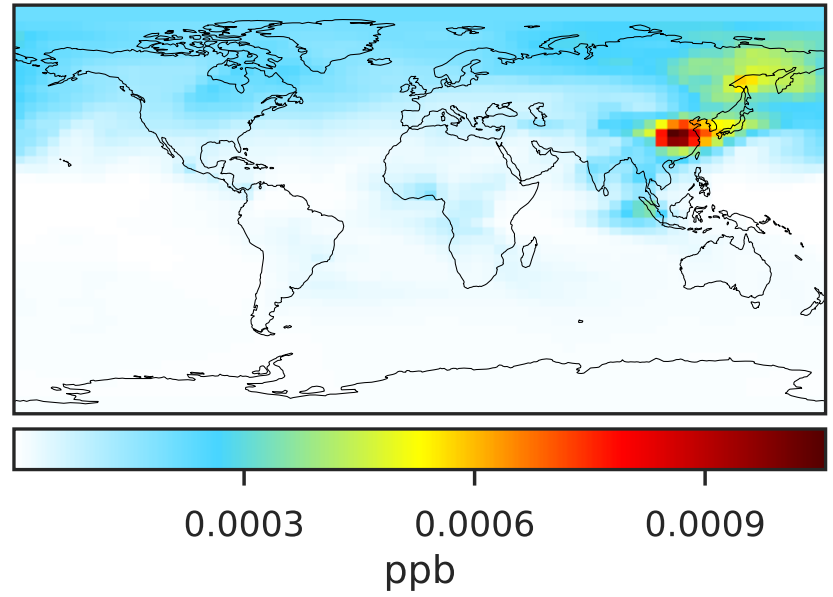
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_BZPAN (Oct2019)

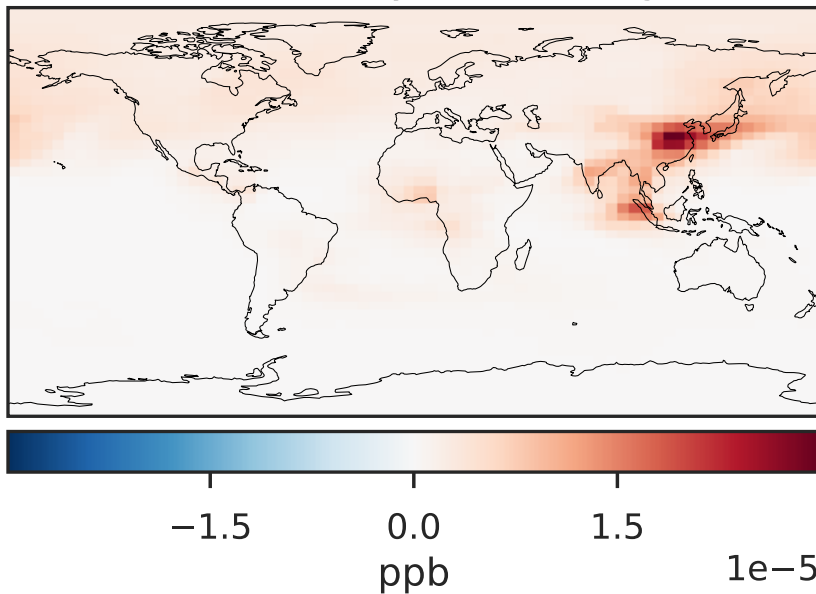
14.2.0-rc.2 (Ref)
4.0x5.0



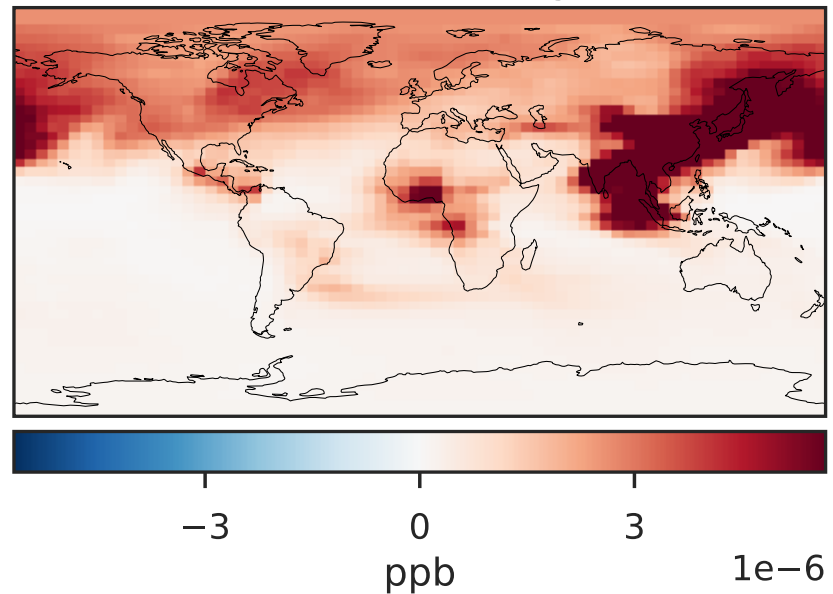
14.3.0-rc.0 (Dev)
4.0x5.0



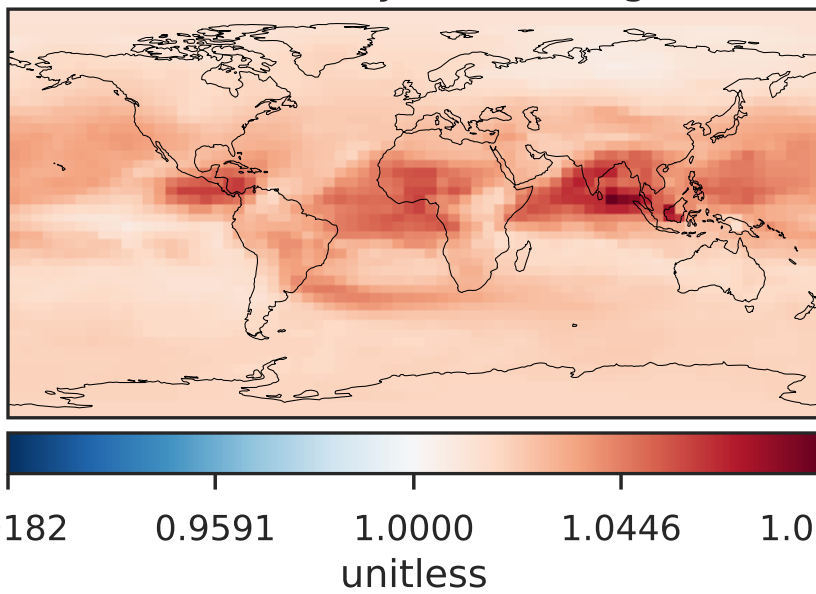
Difference
Dev - Ref, Dynamic Range



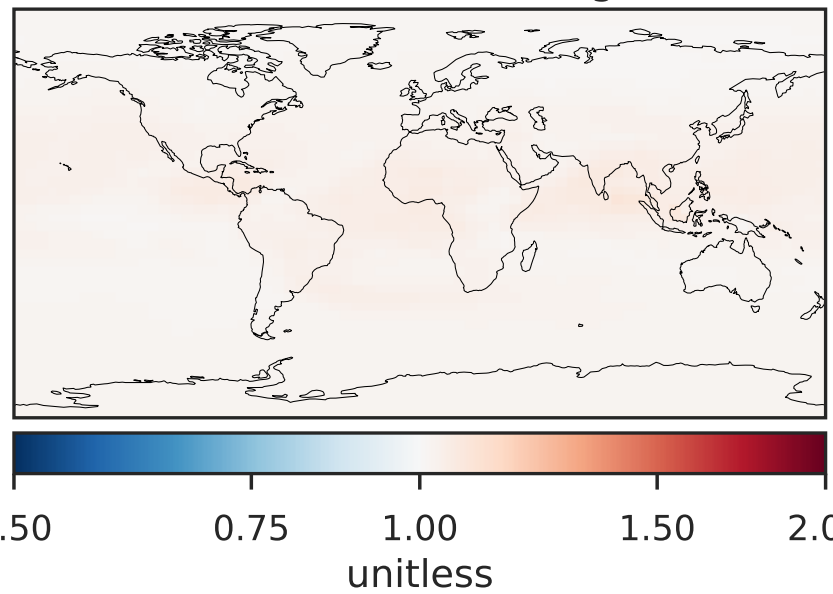
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

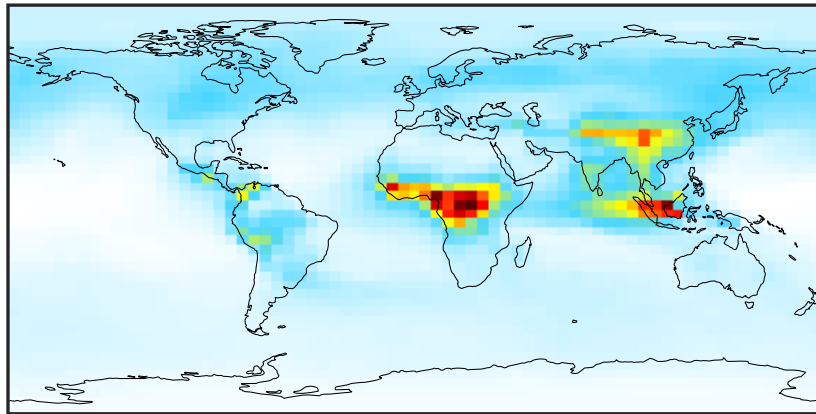


Ratio
Dev/Ref, Fixed Range



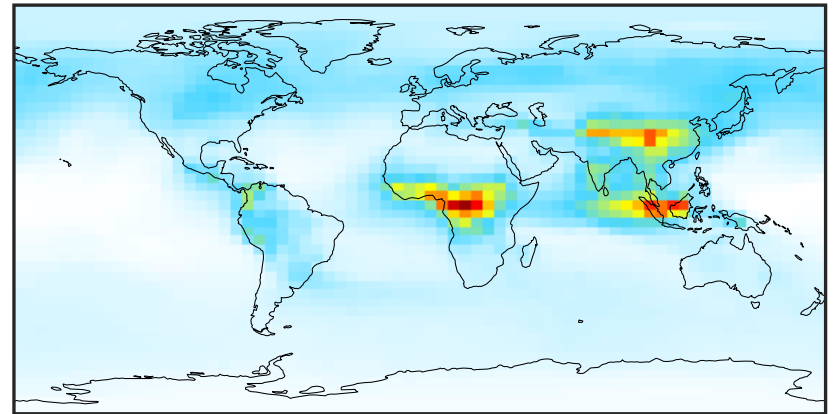
SpeciesConcVV_NPHEN (Oct2019)

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



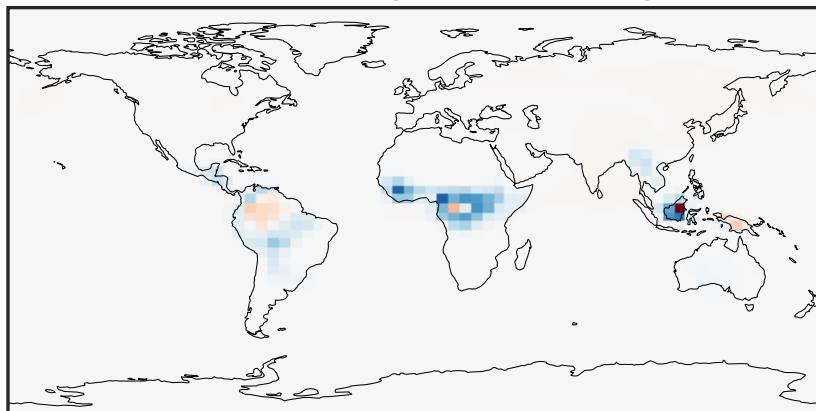
0.00008 0.00016 0.00024
ppb

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



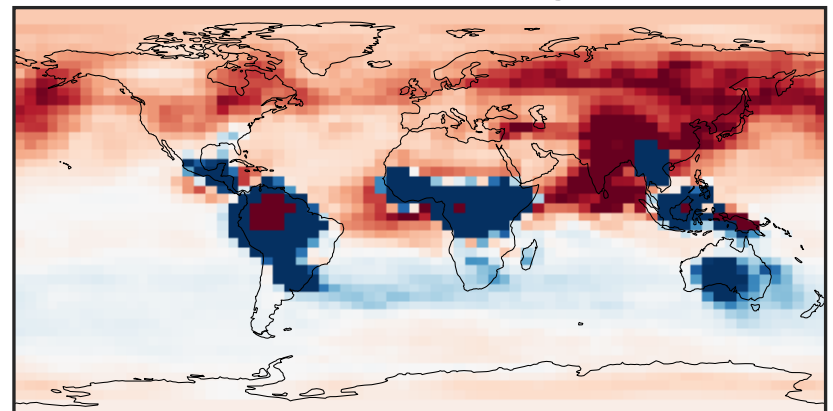
0.00008 0.00016 0.00024
ppb

Difference
Dev - Ref, Dynamic Range



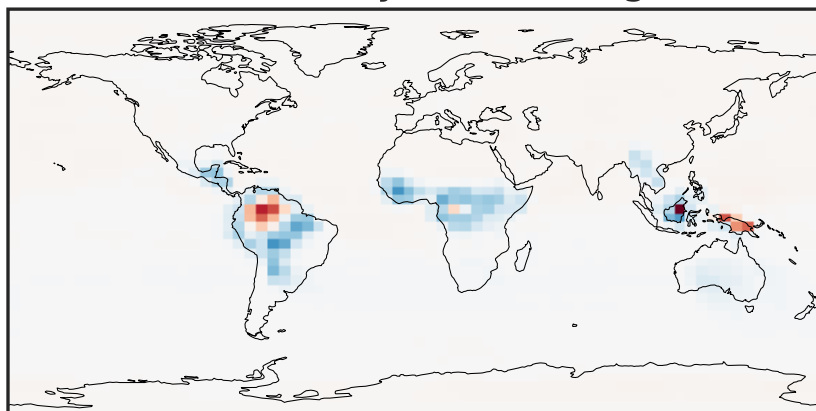
-6 0 6
ppb $1e-5$

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



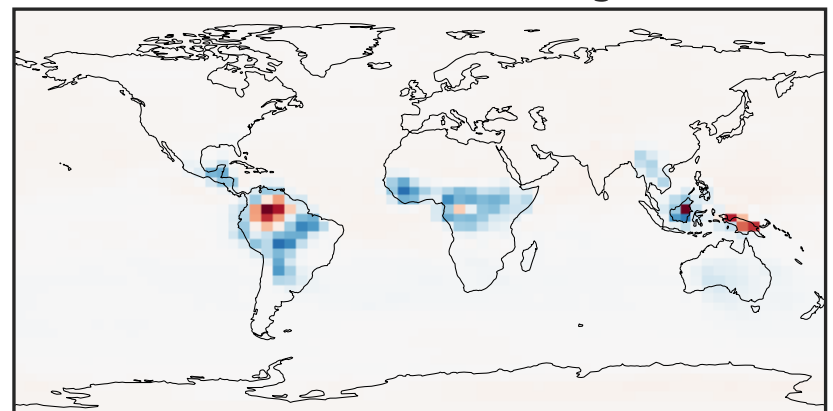
-6 0 6
ppb $1e-7$

Ratio
Dev/Ref, Dynamic Range



0.418 0.709 1.000 1.697 2.395
unitless

Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless