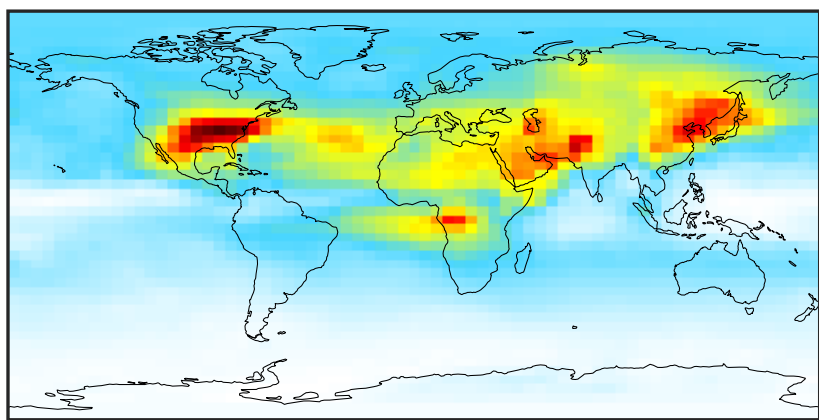


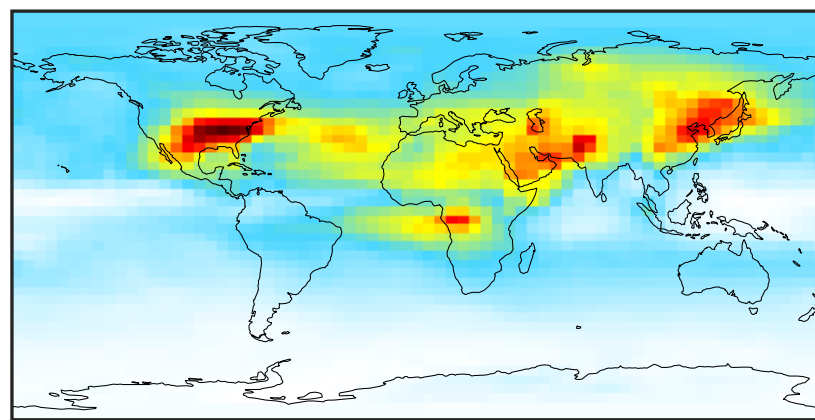
SpeciesConcVV_NOy (Jul2019)

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



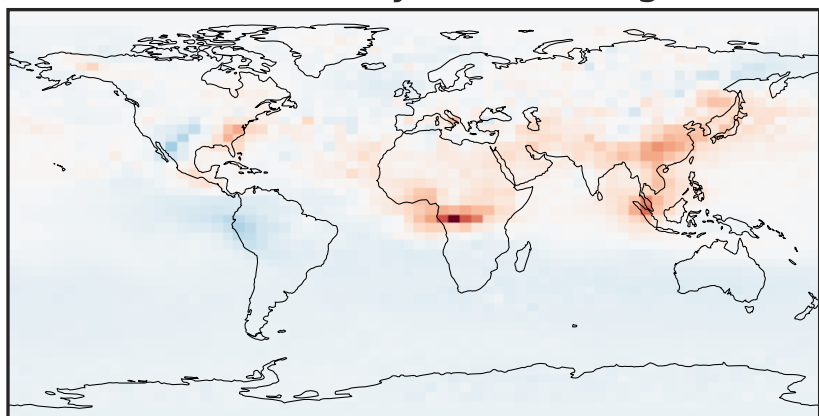
0.042 0.378 0.715 1.052 1.388
ppb

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



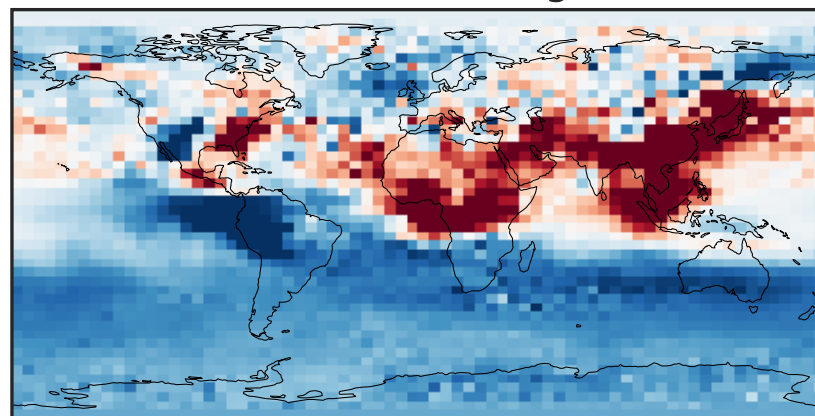
0.042 0.378 0.715 1.052 1.388
ppb

Difference
Dev - Ref, Dynamic Range



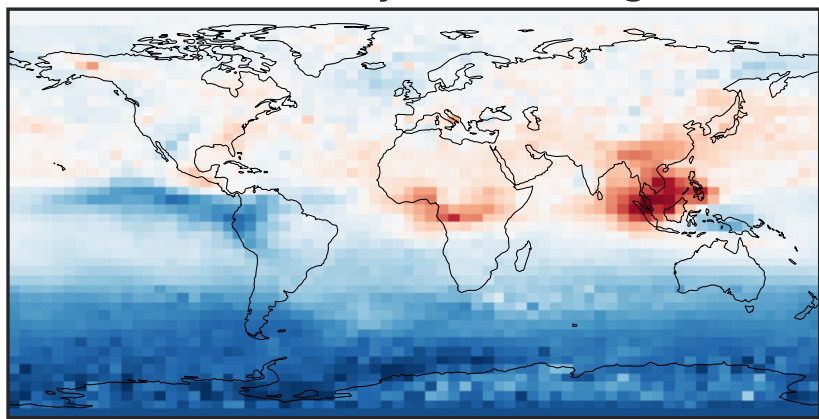
-0.01 0.00 0.01
ppb

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



-0.0015 0.0000 0.0015
ppb

Ratio
Dev/Ref, Dynamic Range



0.97874 0.98937 1.00000 1.01086 1.02173
unitless

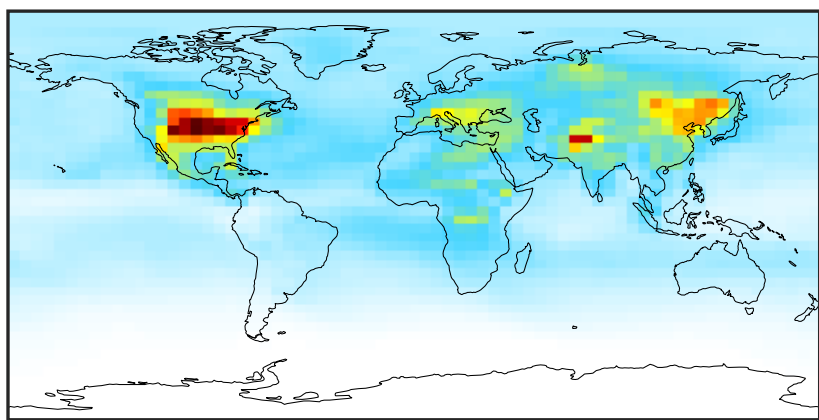
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

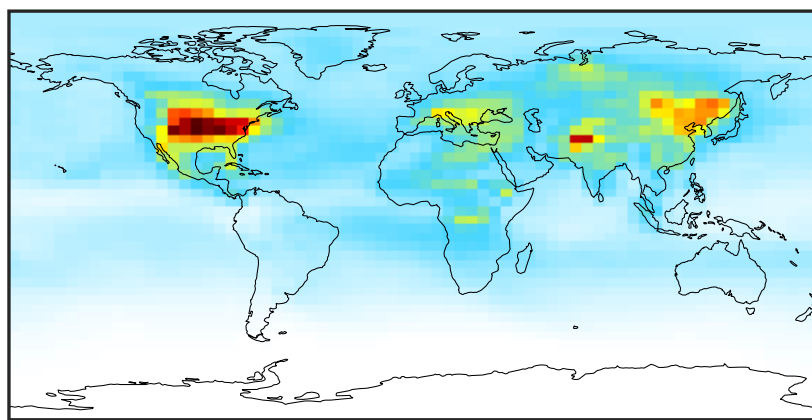
SpeciesConcVV_NOx (Jul2019)

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



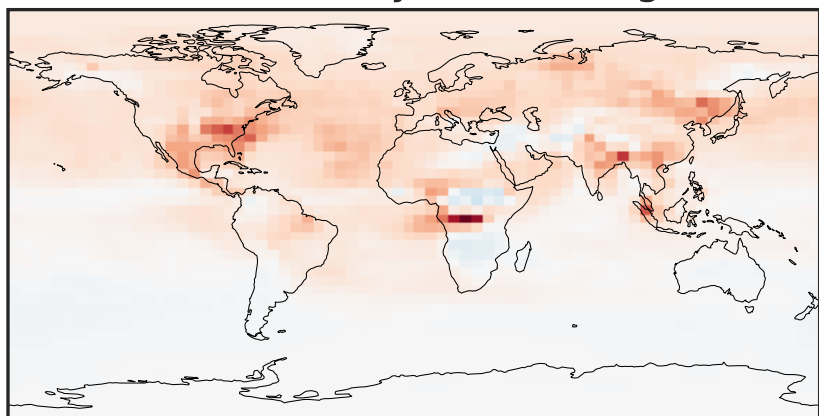
0.0002 0.0699 0.1395 0.2092 0.2788
ppb

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



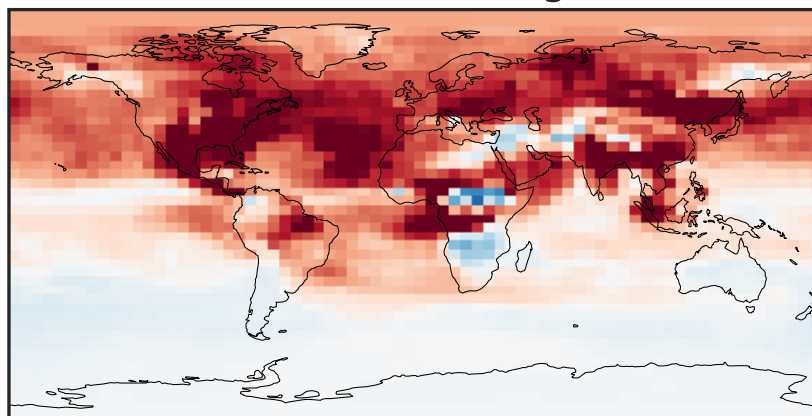
0.0002 0.0699 0.1395 0.2092 0.2788
ppb

Difference
Dev - Ref, Dynamic Range



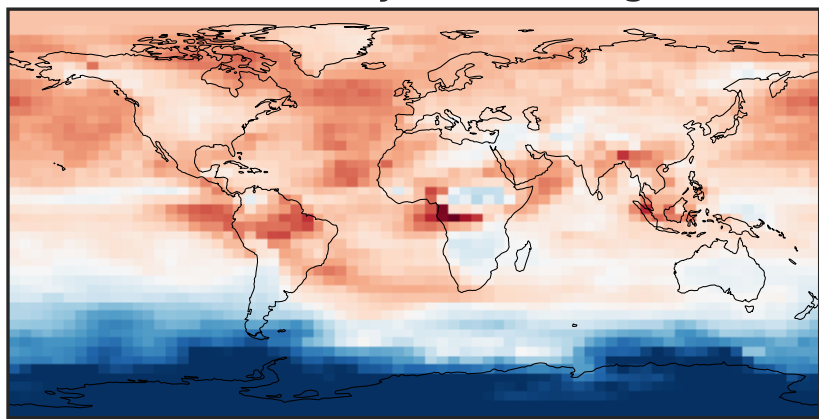
-0.0025 0.0000 0.0025
ppb

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



-0.0006 0.0000 0.0006
ppb

Ratio
Dev/Ref, Dynamic Range



0.95781 0.97891 1.00000 1.02202 1.04404
unitless

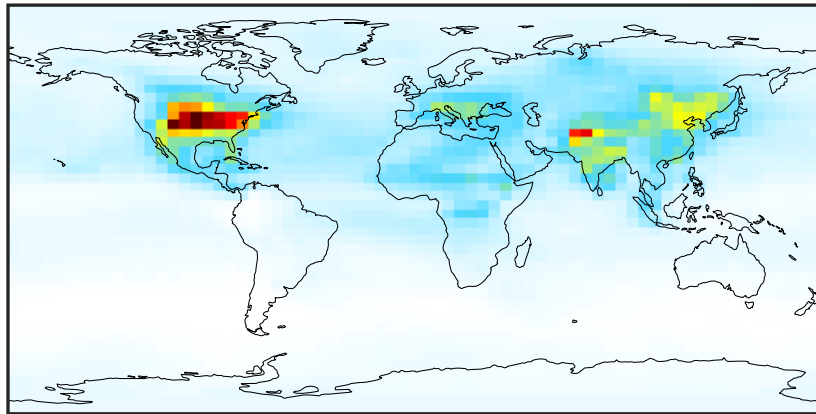
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

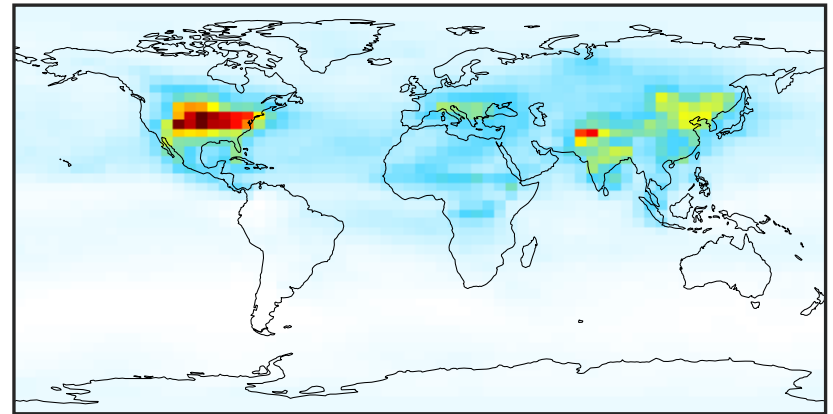
SpeciesConcVV_HNO2 (Jul2019)

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



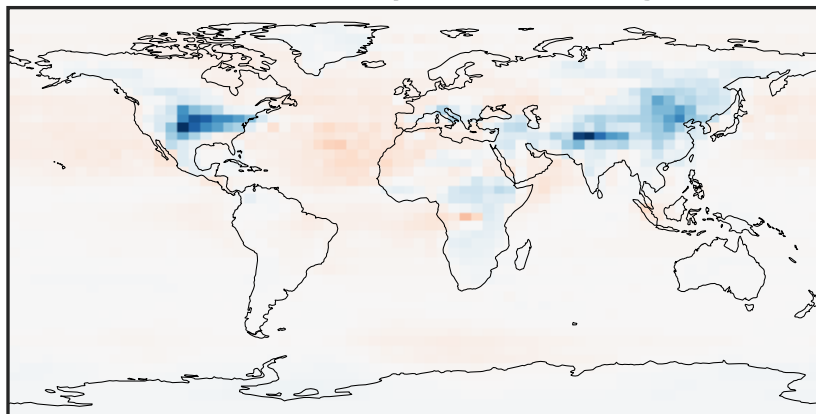
0.0006 0.0012 0.0018
ppb

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



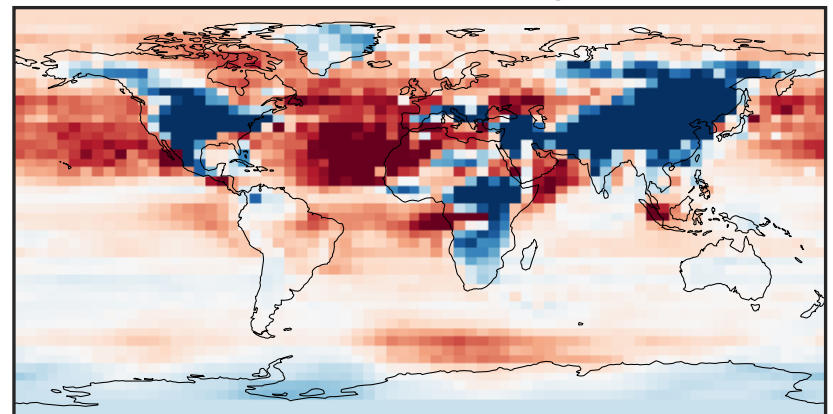
0.0006 0.0012 0.0018
ppb

Difference
Dev - Ref, Dynamic Range



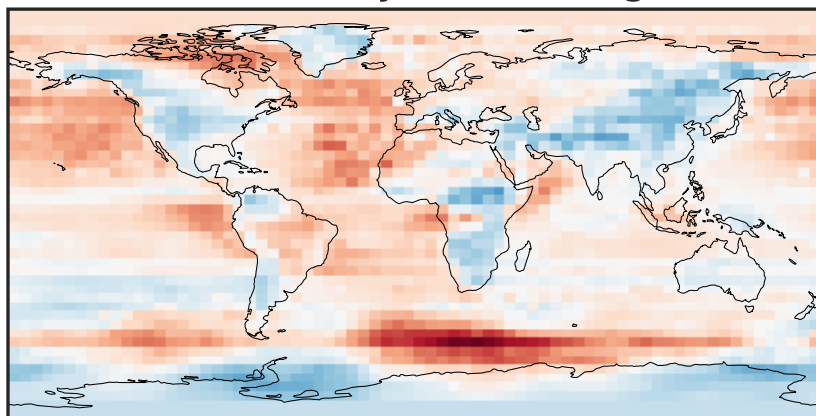
-3 0 3
ppb 1e-5

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



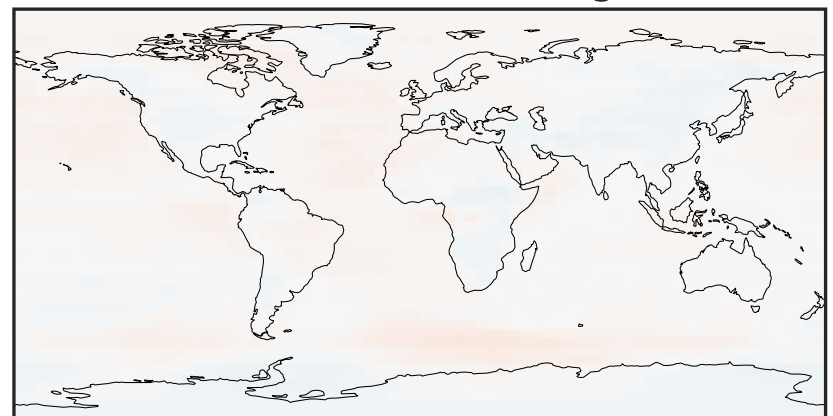
-3 0 3
ppb 1e-6

Ratio
Dev/Ref, Dynamic Range



0.9234 0.9617 1.0000 1.0415 1.0830
unitless

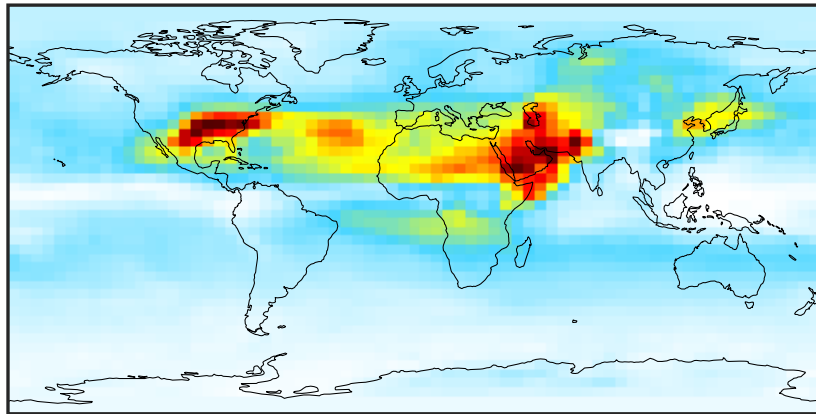
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

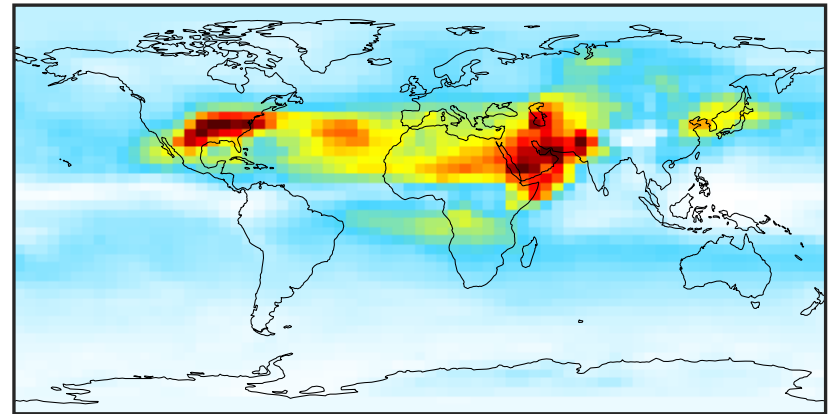
SpeciesConcVV_HNO3 (Jul2019)

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



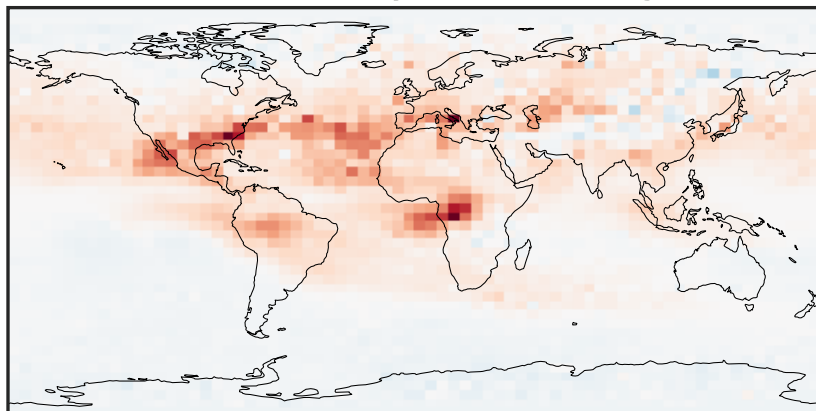
0.0065 0.1773 0.3481 0.5189 0.6897
ppb

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



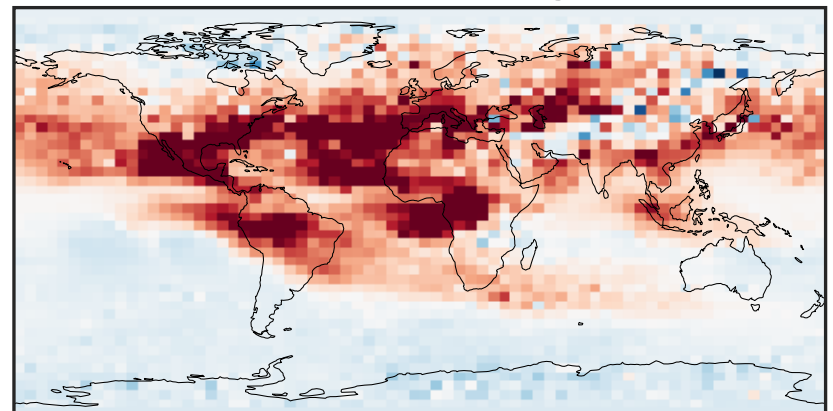
0.0065 0.1773 0.3481 0.5189 0.6897
ppb

Difference
Dev - Ref, Dynamic Range



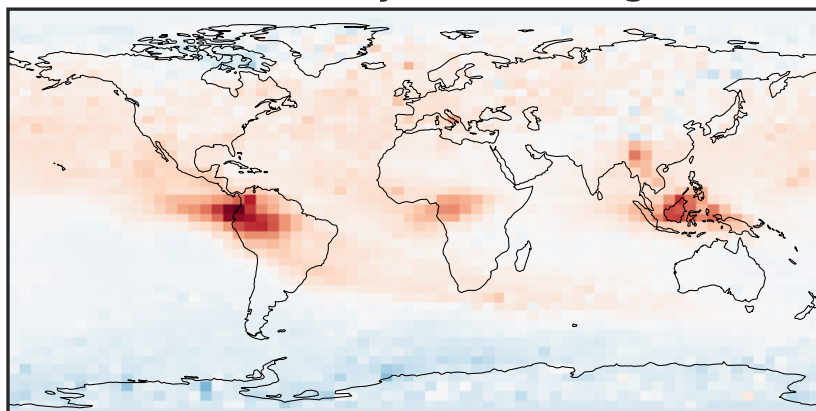
-0.005 0.000 0.005
ppb

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



-0.0015 0.0000 0.0015
ppb

Ratio
Dev/Ref, Dynamic Range



0.9290 0.9645 1.0000 1.0382 1.0764
unitless

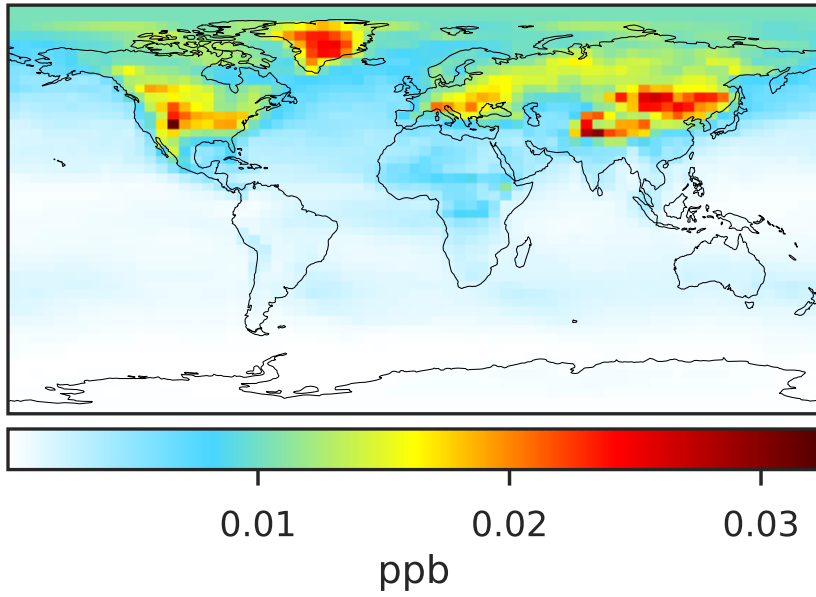
Ratio
Dev/Ref, Fixed Range



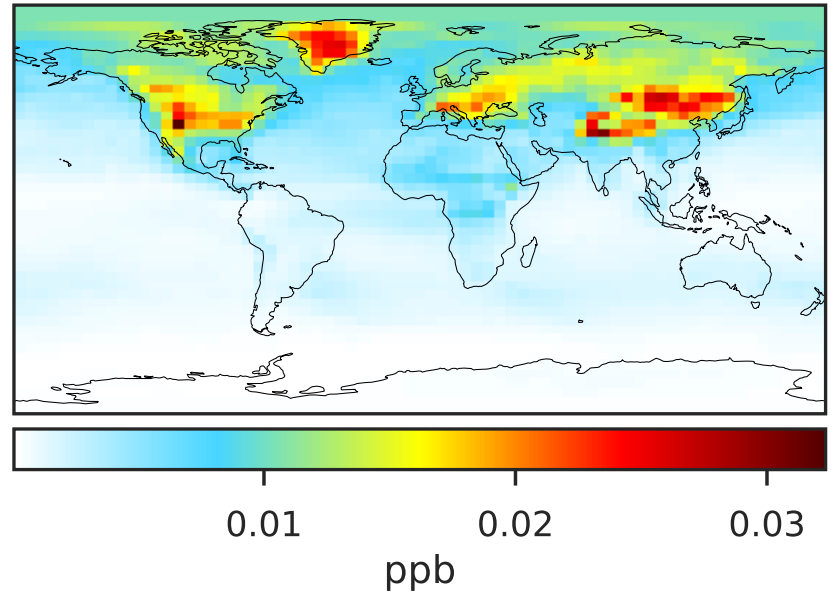
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO4 (Jul2019)

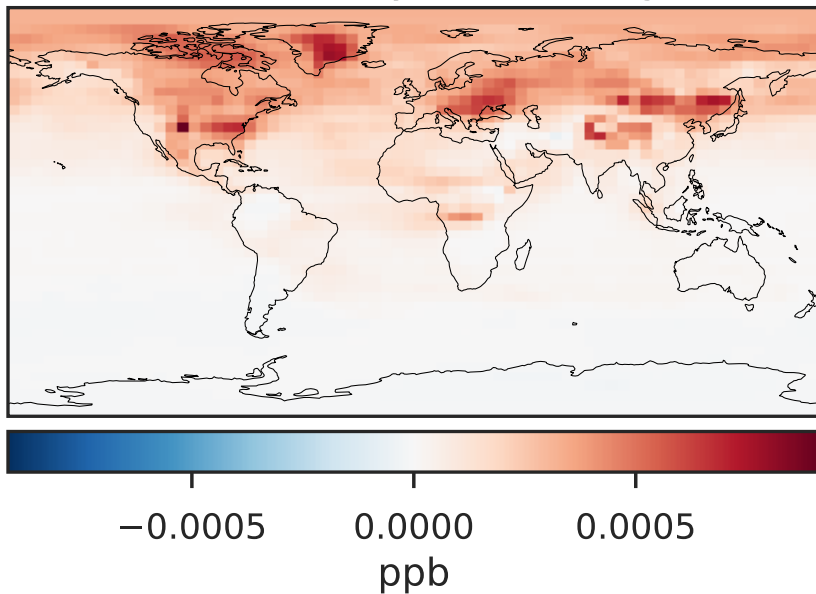
14.2.0-rc.2 (Ref)
4.0x5.0



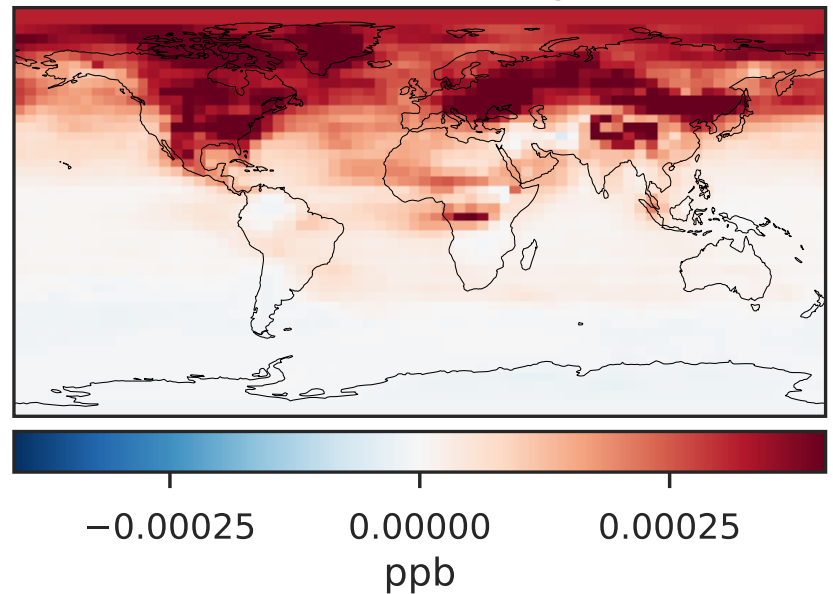
14.3.0-rc.0 (Dev)
4.0x5.0



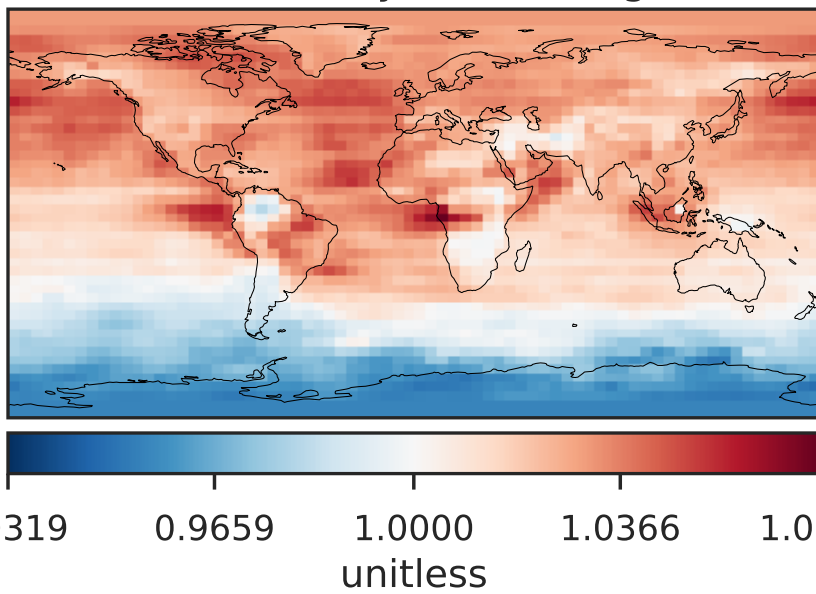
Difference
Dev - Ref, Dynamic Range



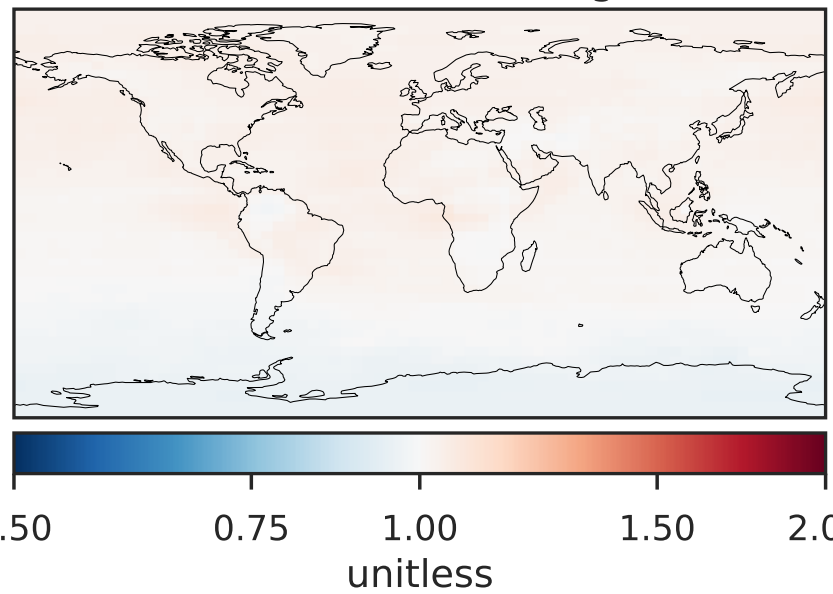
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

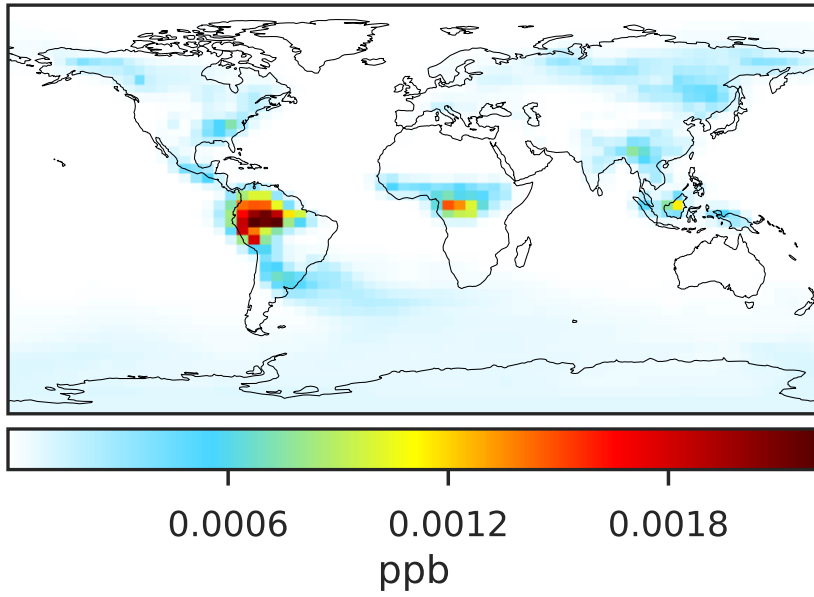


Ratio
Dev/Ref, Fixed Range

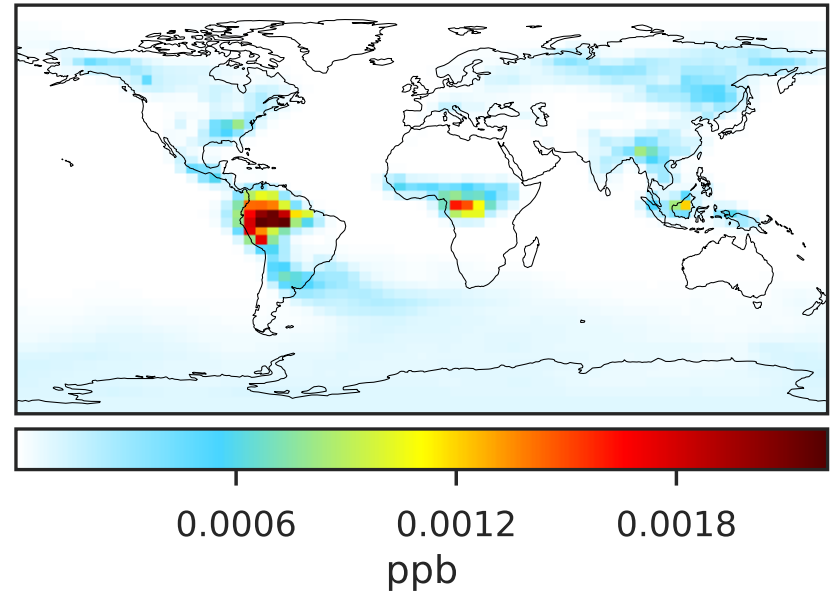


SpeciesConcVV_MPAN (Jul2019)

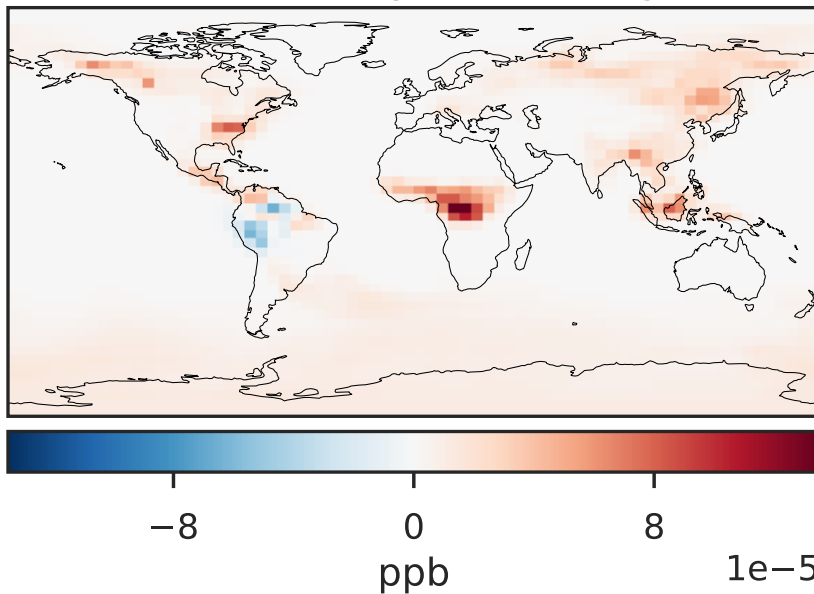
14.2.0-rc.2 (Ref)
4.0x5.0



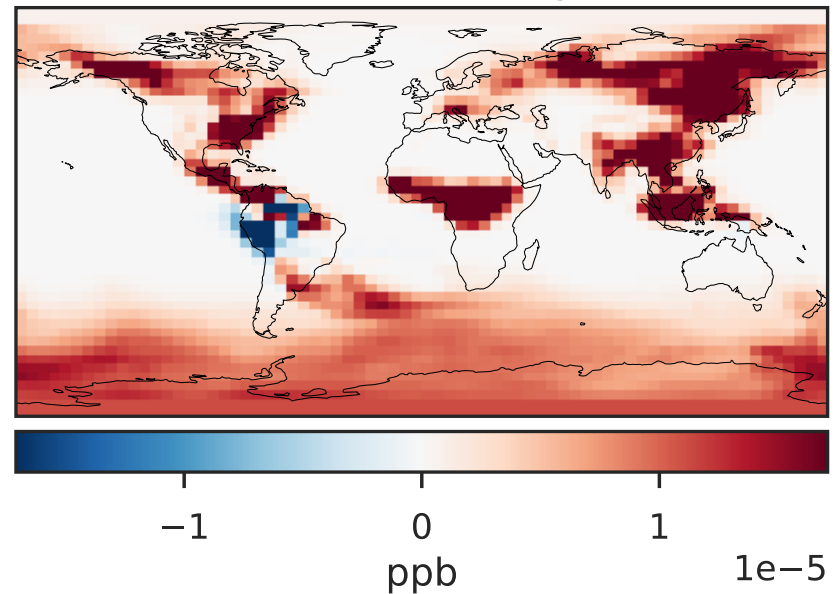
14.3.0-rc.0 (Dev)
4.0x5.0



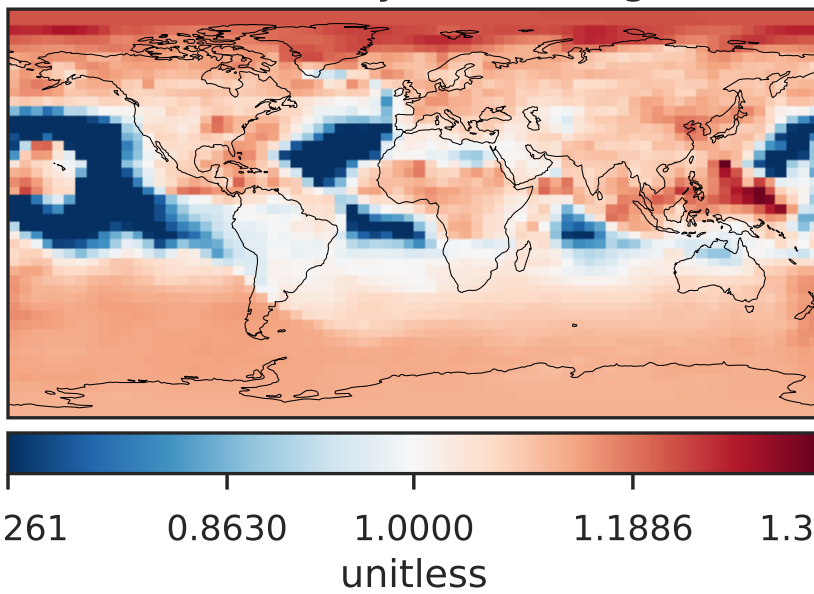
Difference
Dev - Ref, Dynamic Range



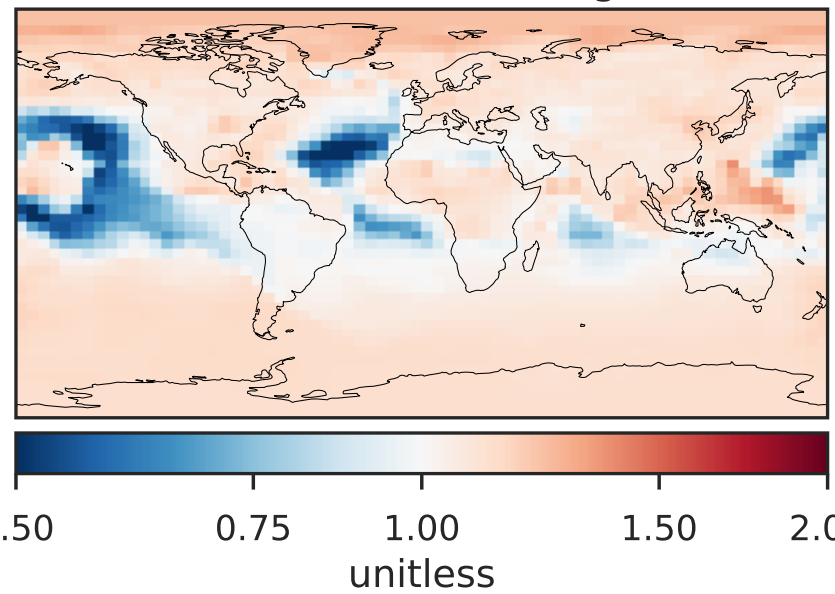
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

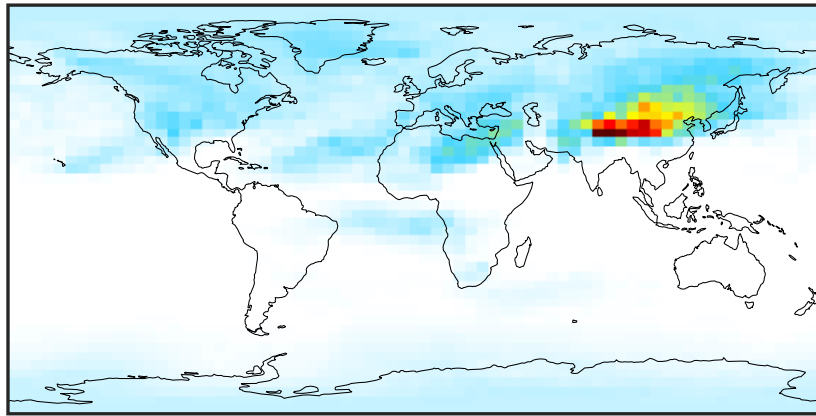


Ratio
Dev/Ref, Fixed Range



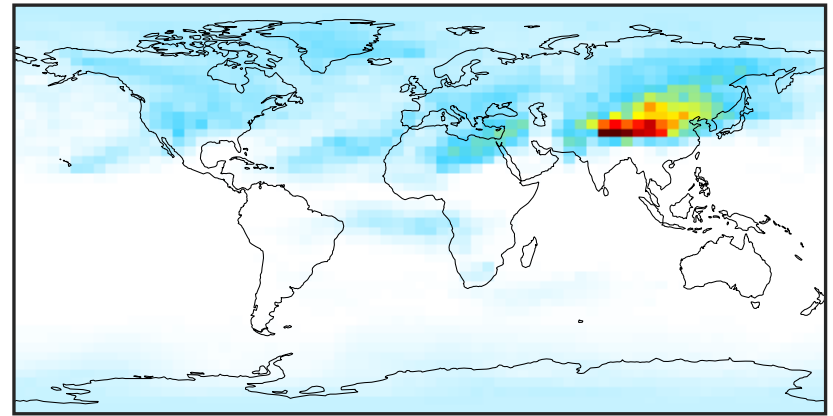
SpeciesConcVV_NIT (Jul2019)

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



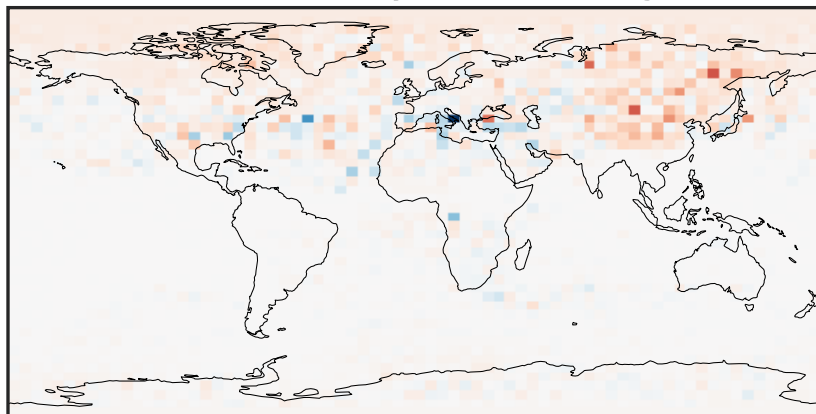
0.0000 0.0604 0.1209 0.1813 0.2417
ppb

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



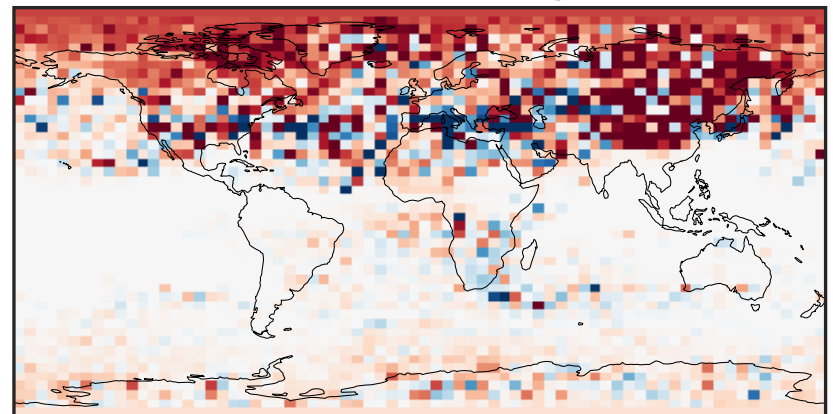
0.0000 0.0604 0.1209 0.1813 0.2417
ppb

Difference
Dev - Ref, Dynamic Range



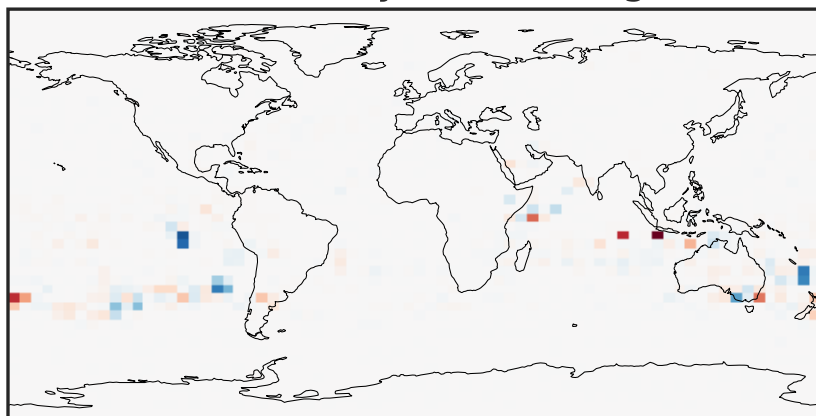
-0.003 0.000 0.003
ppb

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



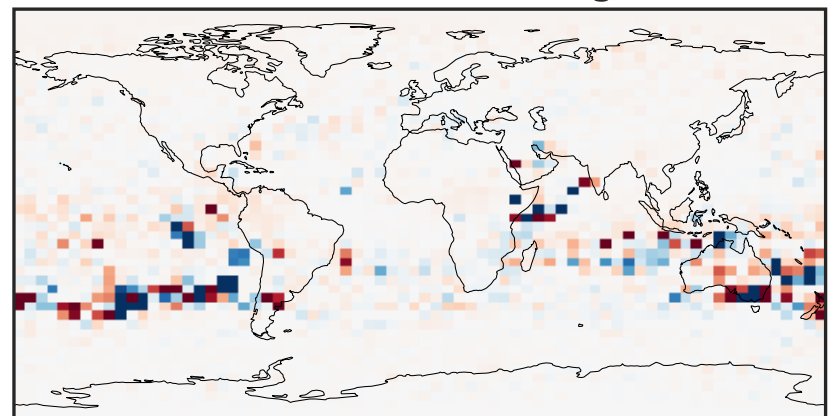
-0.0004 0.0000 0.0004
ppb

Ratio
Dev/Ref, Dynamic Range



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

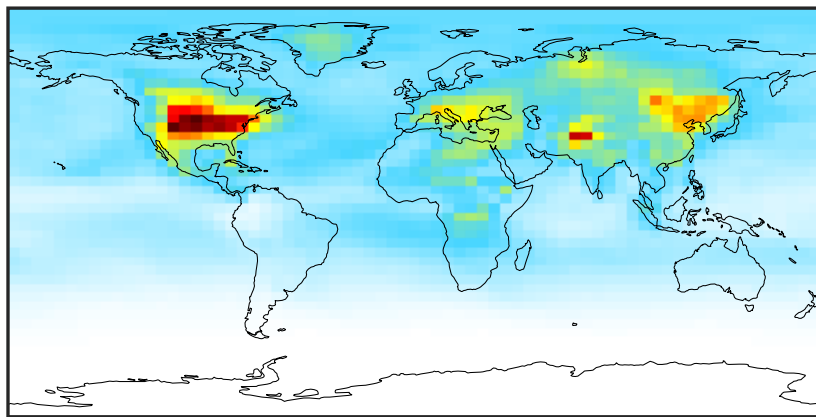
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

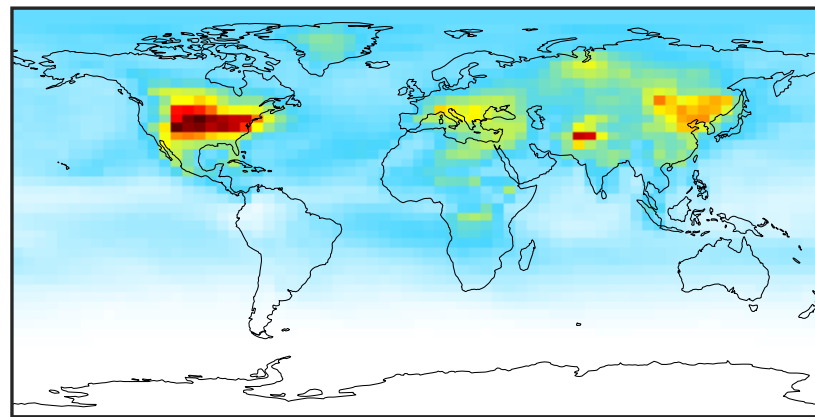
SpeciesConcVV_NO (Jul2019)

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



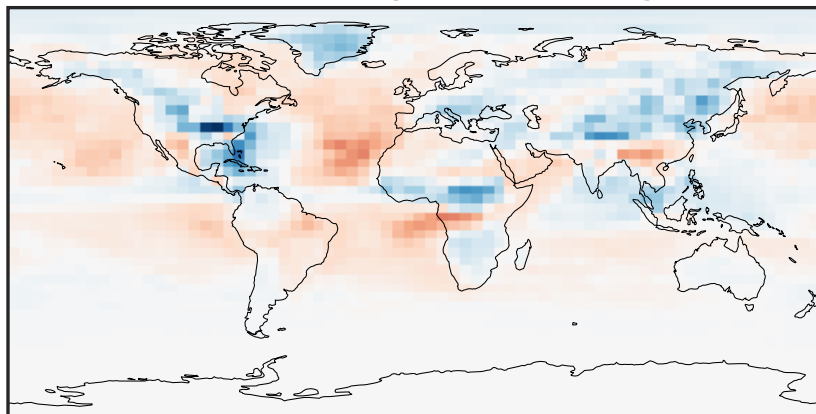
0.000 0.015 0.030 0.045
ppb

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



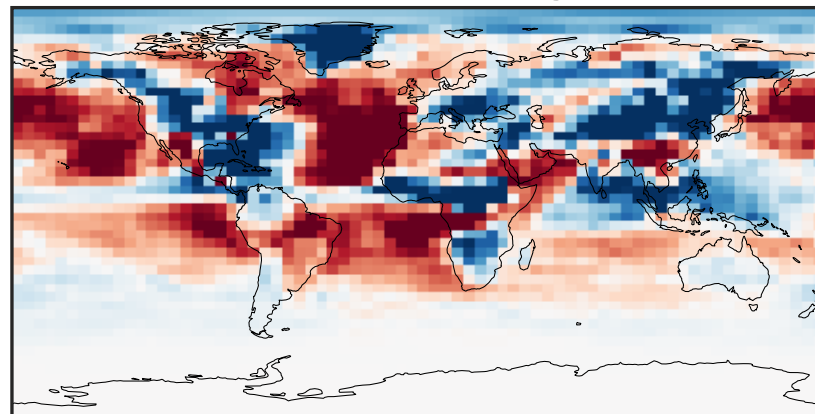
0.000 0.015 0.030 0.045
ppb

Difference
Dev - Ref, Dynamic Range



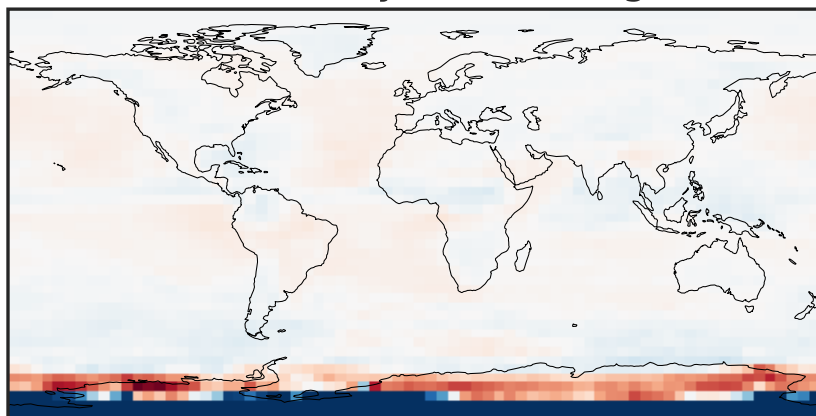
-0.0004 0.0000 0.0004
ppb

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



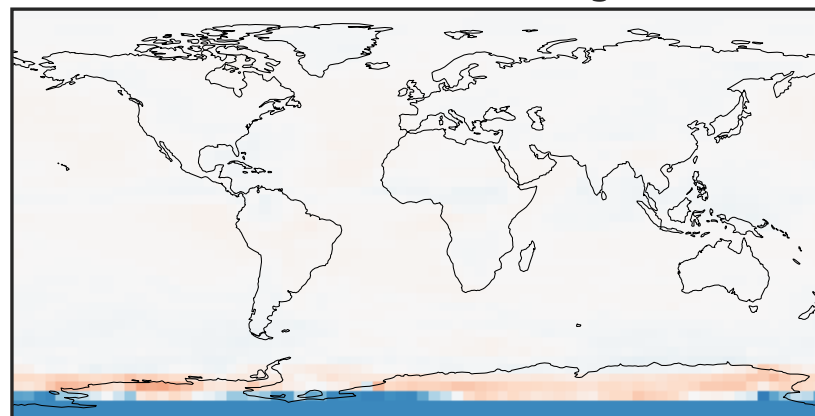
-8 0 8
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.7592 0.8796 1.000 1.1586 1.3172
unitless

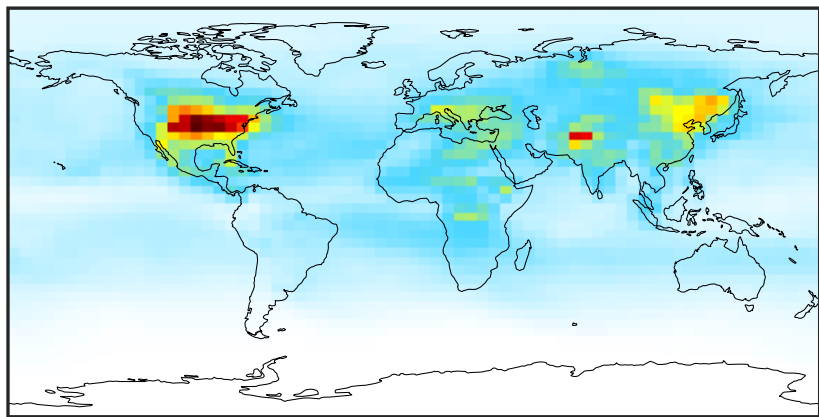
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

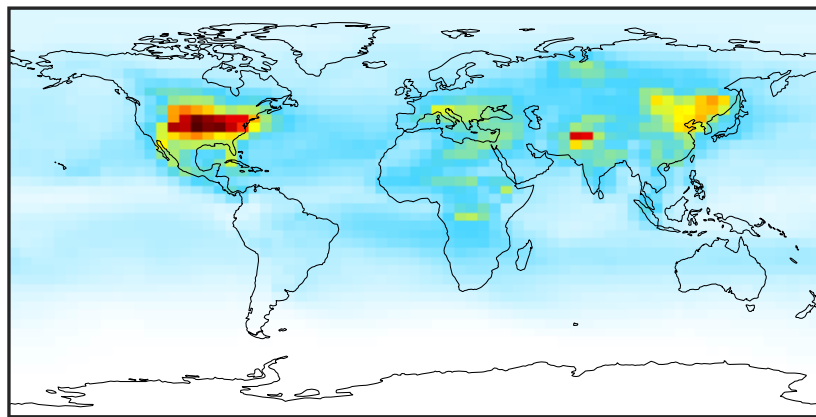
SpeciesConcVV_NO2 (Jul2019)

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



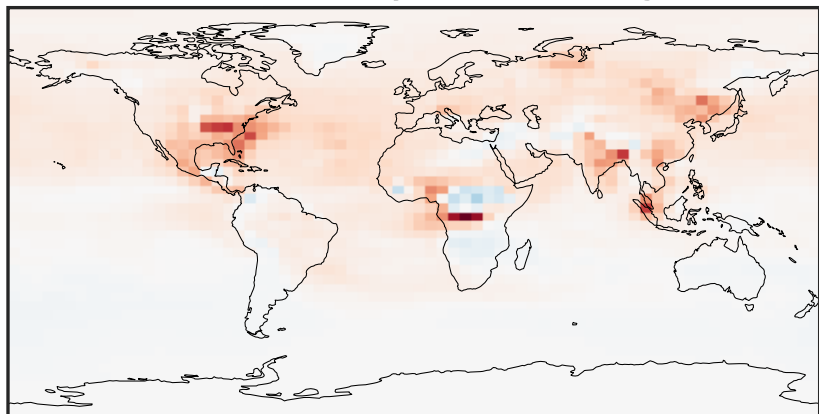
0.0001 0.0516 0.1032 0.1547 0.2063
ppb

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



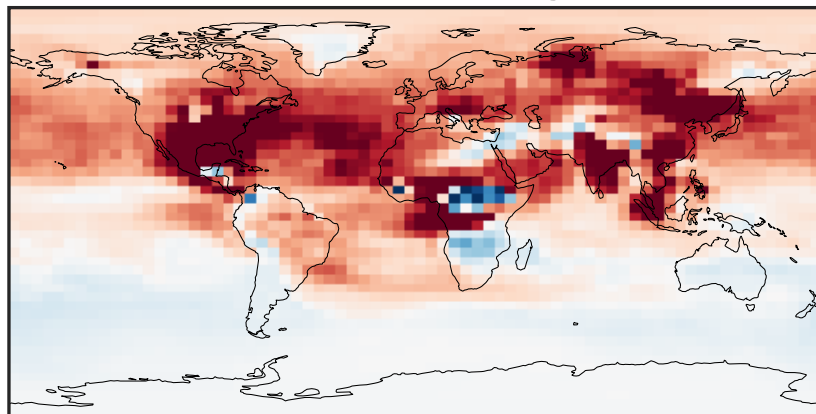
0.0001 0.0516 0.1032 0.1547 0.2063
ppb

Difference
Dev - Ref, Dynamic Range



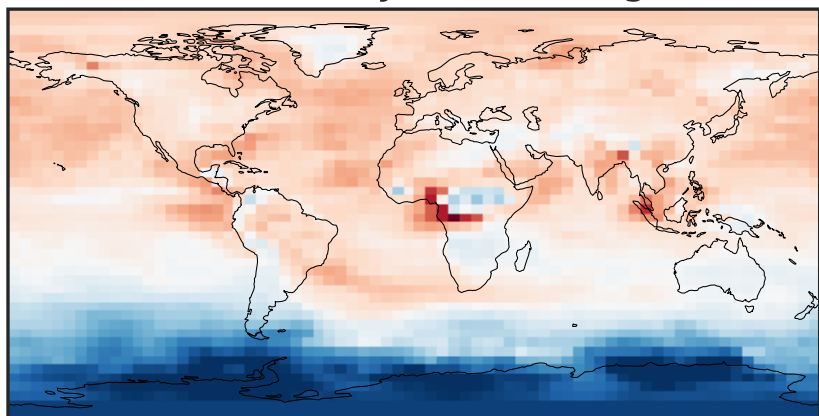
-0.002 0.000 0.002
ppb

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



-0.0004 0.0000 0.0004
ppb

Ratio
Dev/Ref, Dynamic Range



0.9437 0.9718 1.0000 1.0299 1.0597
unitless

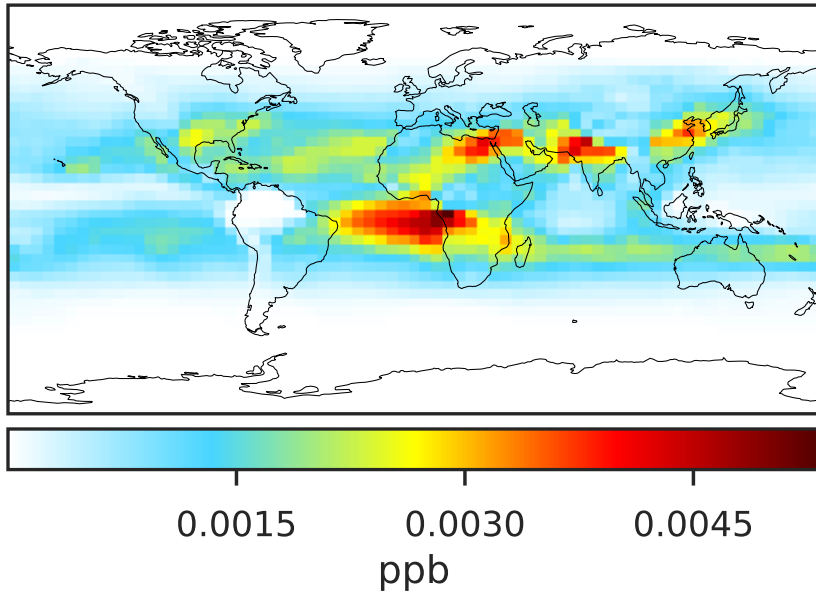
Ratio
Dev/Ref, Fixed Range



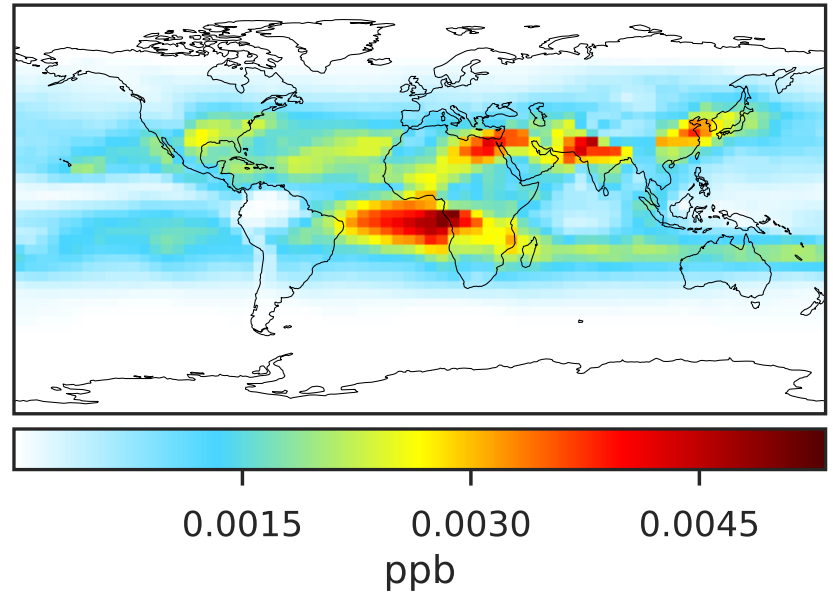
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NO3 (Jul2019)

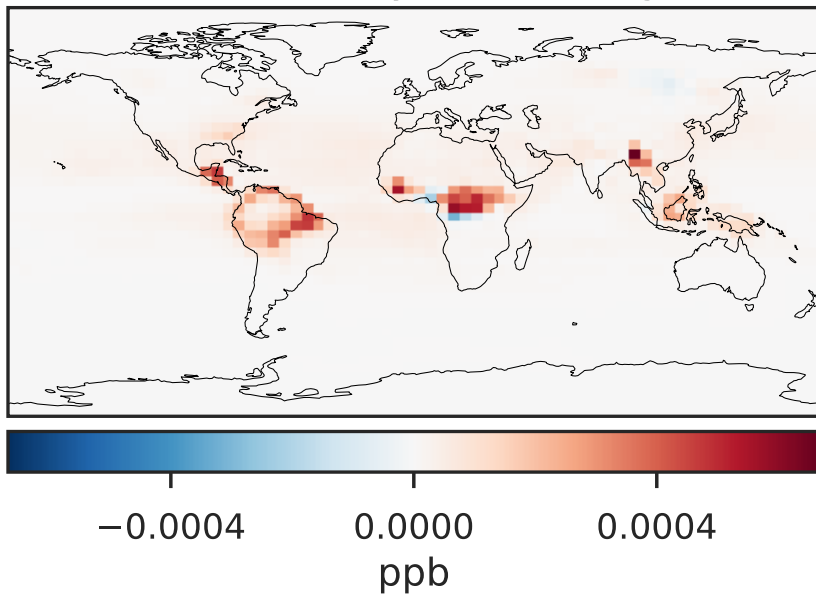
14.2.0-rc.2 (Ref)
4.0x5.0



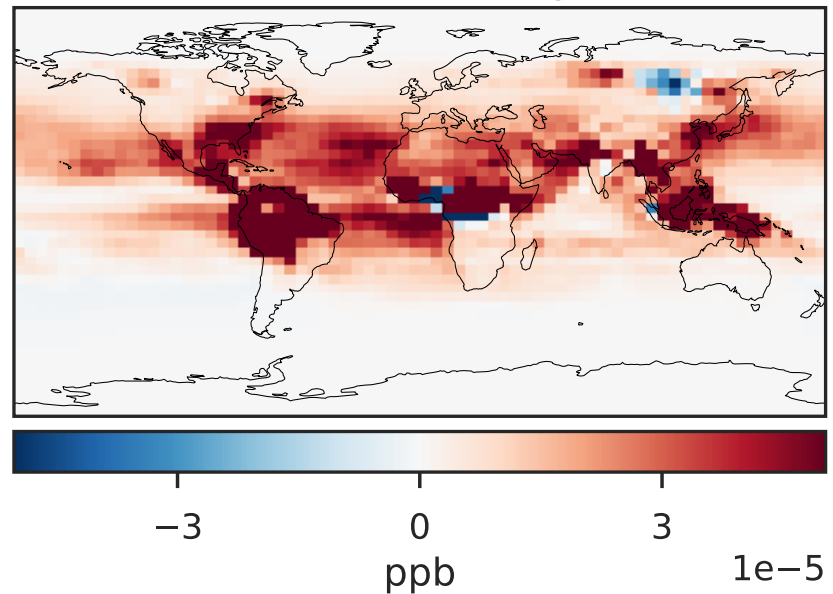
14.3.0-rc.0 (Dev)
4.0x5.0



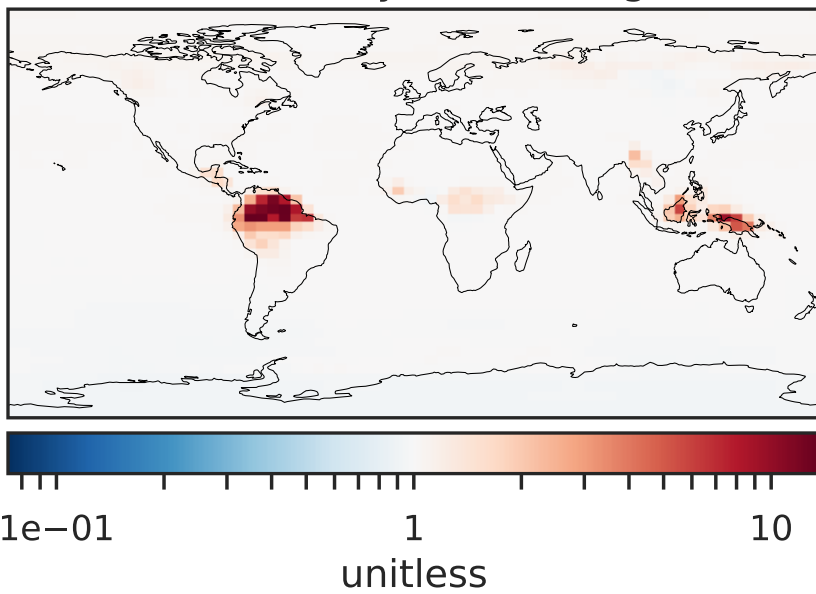
Difference
Dev - Ref, Dynamic Range



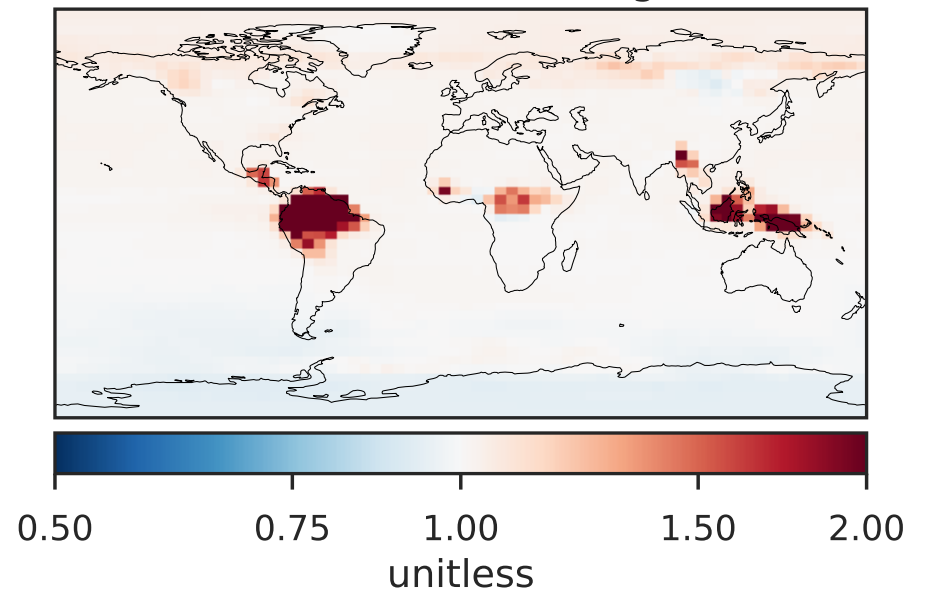
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

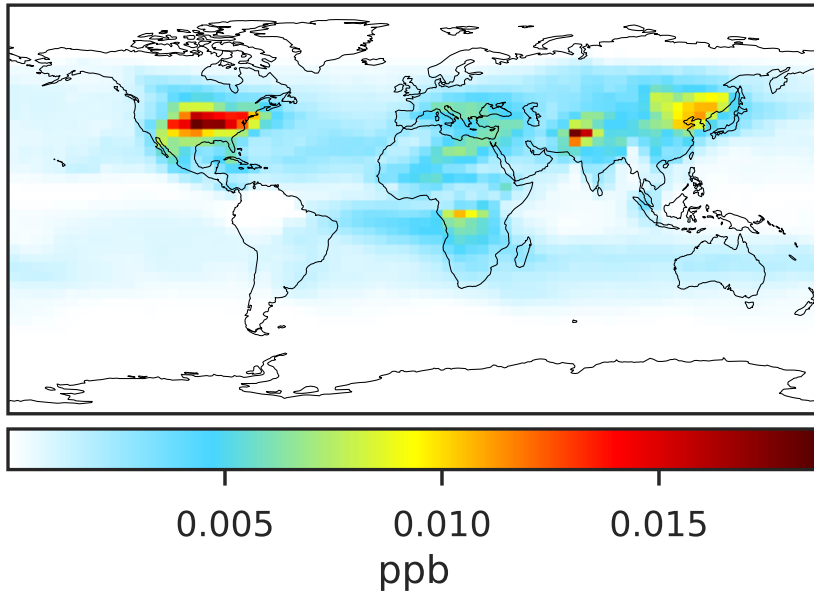


Ratio
Dev/Ref, Fixed Range

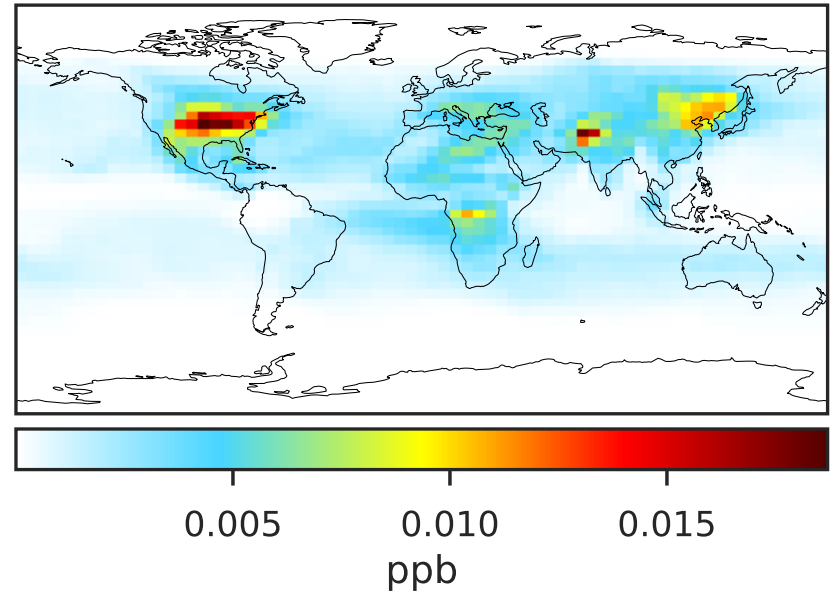


SpeciesConcVV_N2O5 (Jul2019)

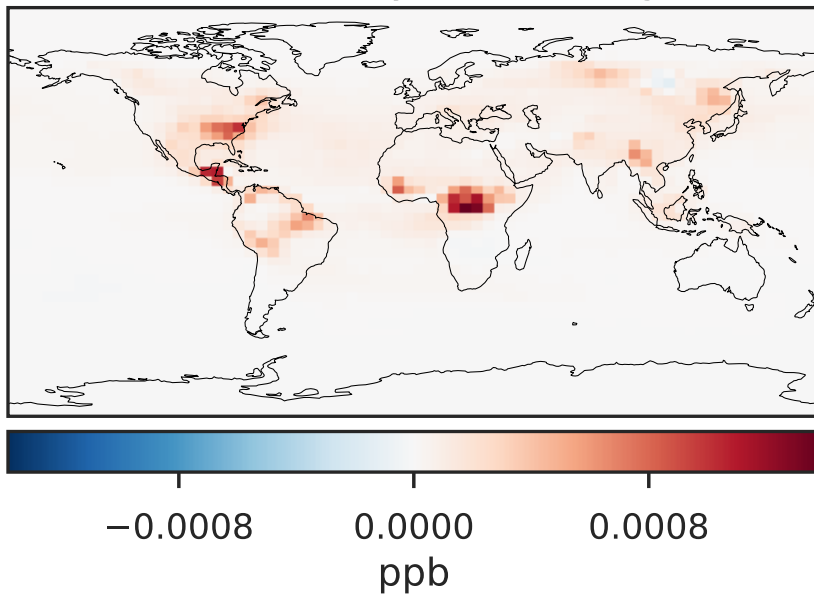
14.2.0-rc.2 (Ref)
4.0x5.0



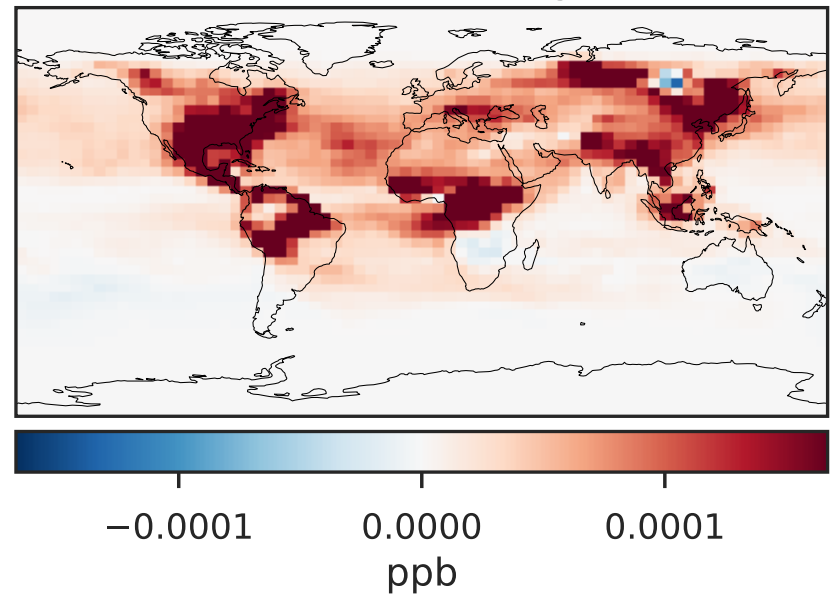
14.3.0-rc.0 (Dev)
4.0x5.0



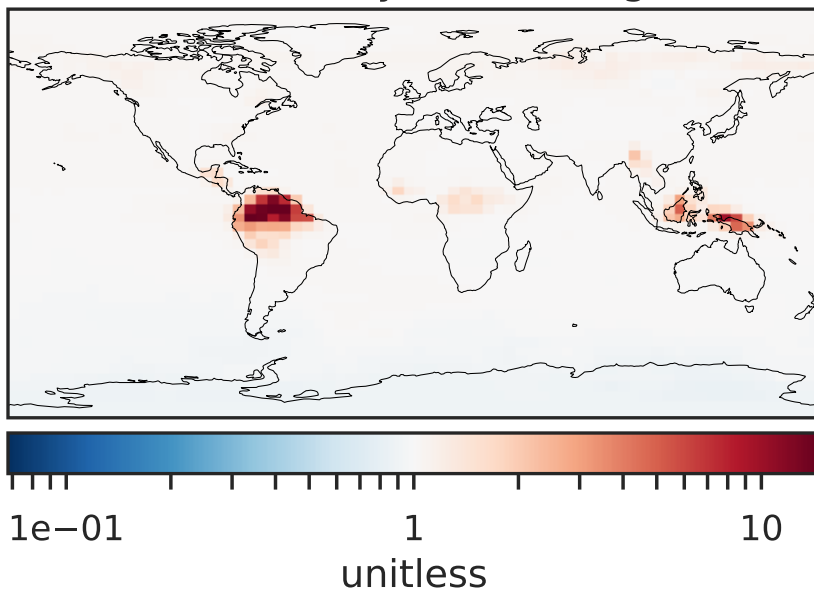
Difference
Dev - Ref, Dynamic Range



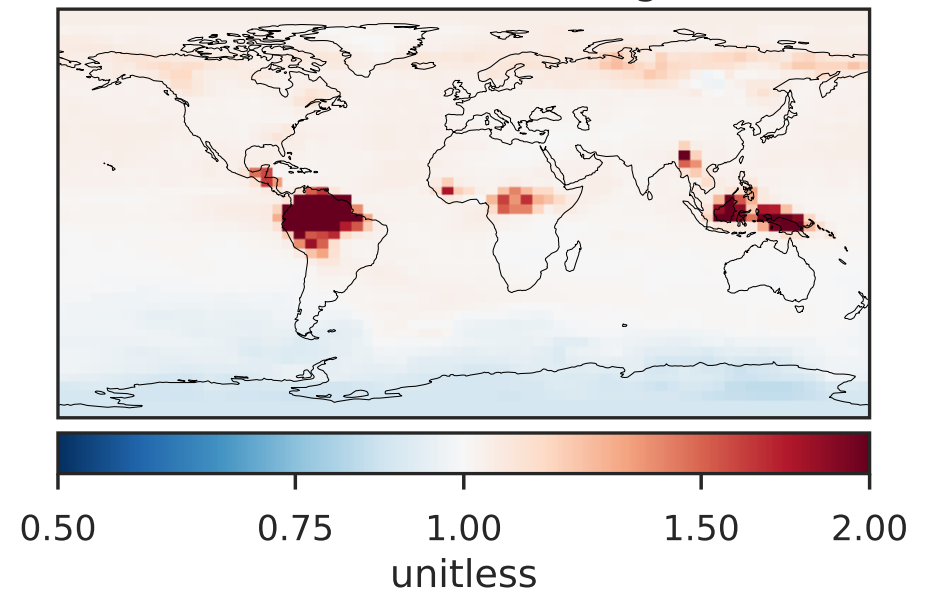
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

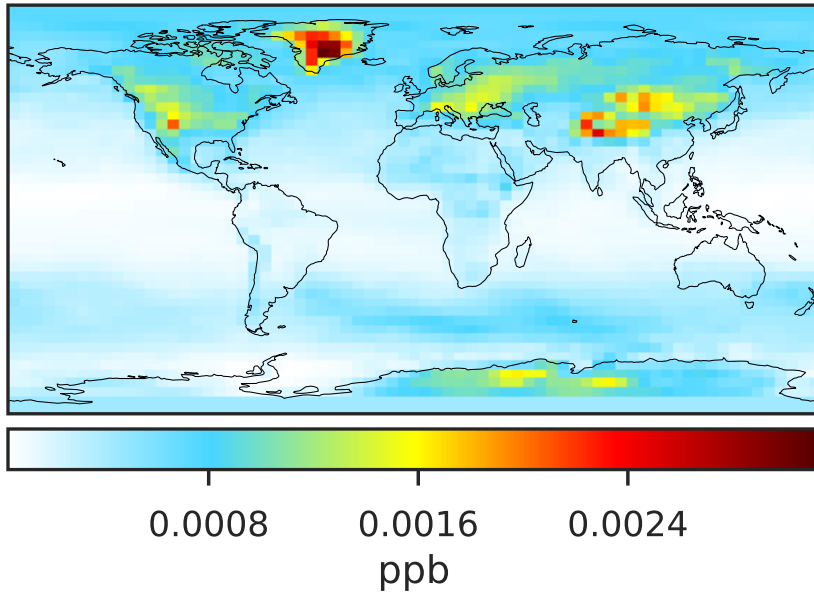


Ratio
Dev/Ref, Fixed Range

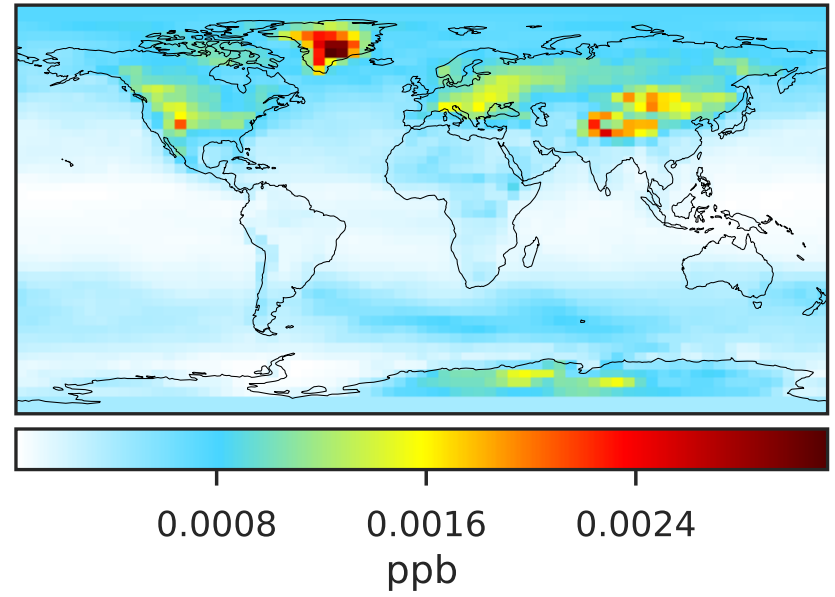


SpeciesConcVV_MPN (Jul2019)

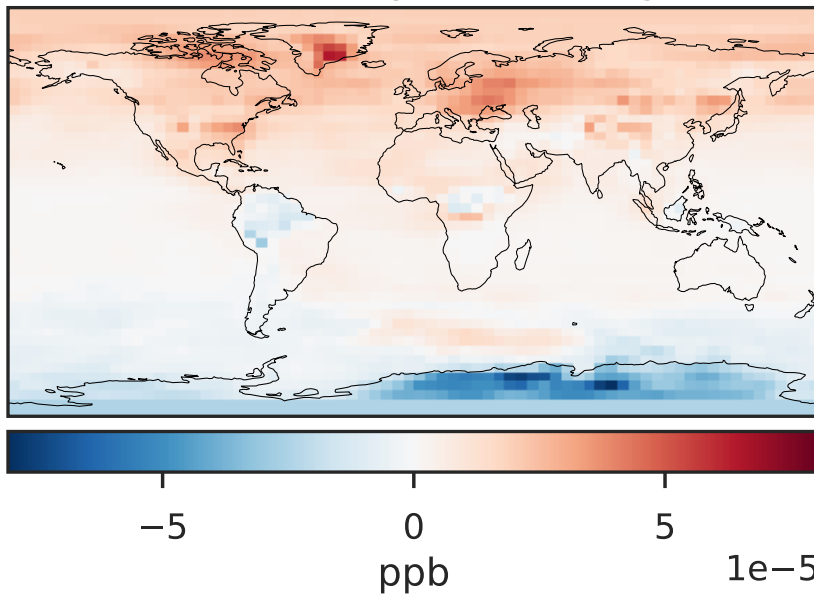
14.2.0-rc.2 (Ref)
4.0x5.0



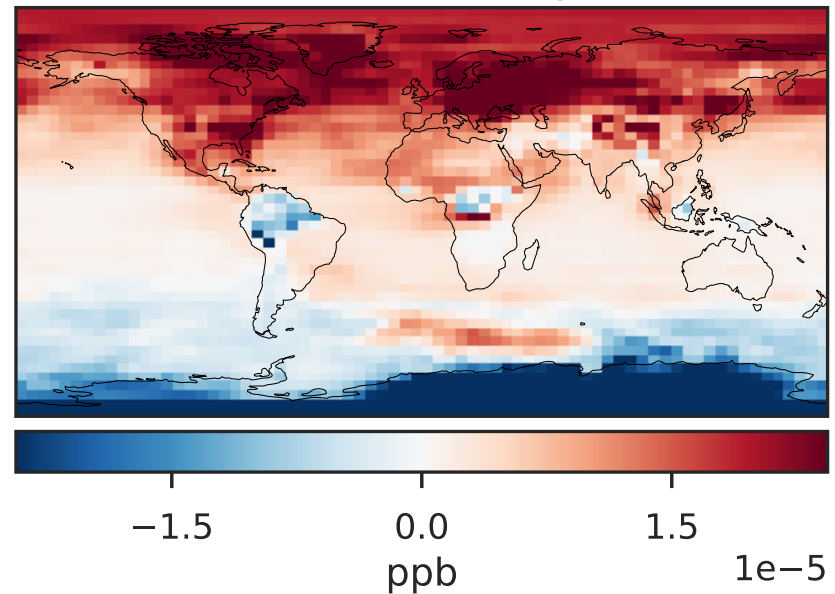
14.3.0-rc.0 (Dev)
4.0x5.0



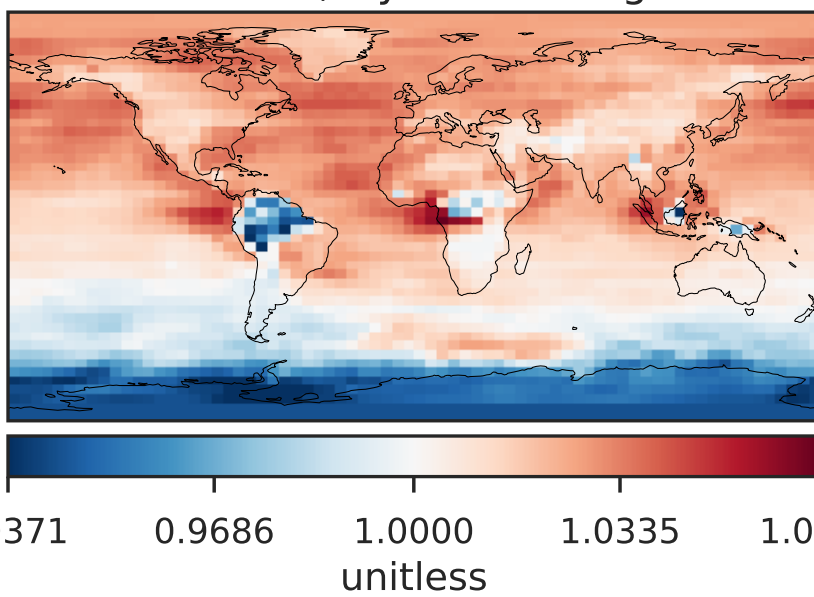
Difference
Dev - Ref, Dynamic Range



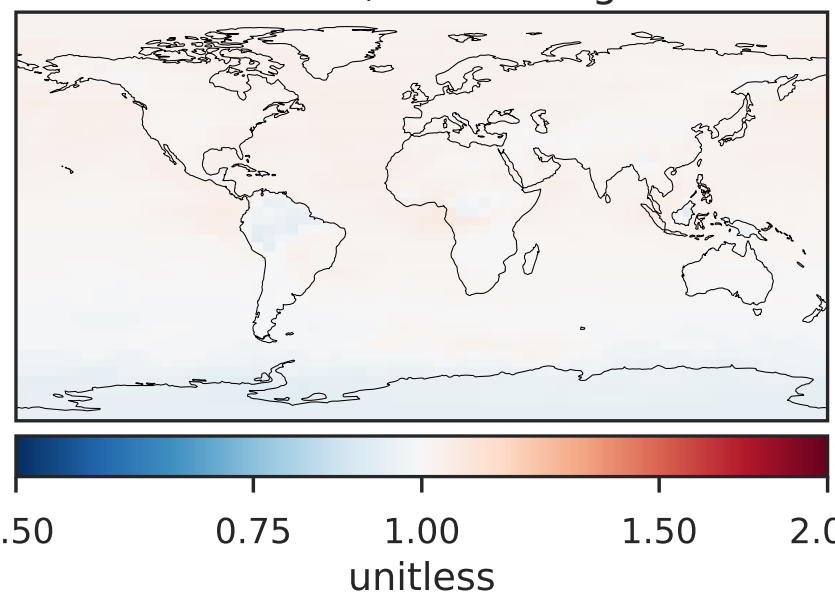
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

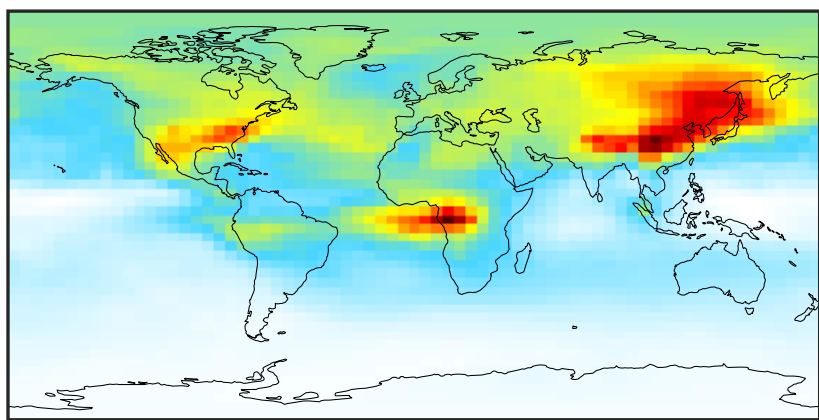


Ratio
Dev/Ref, Fixed Range



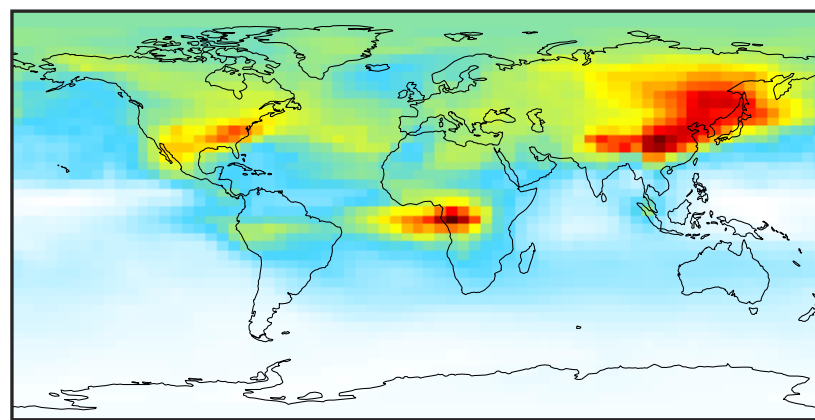
SpeciesConcVV_PAN (Jul2019)

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



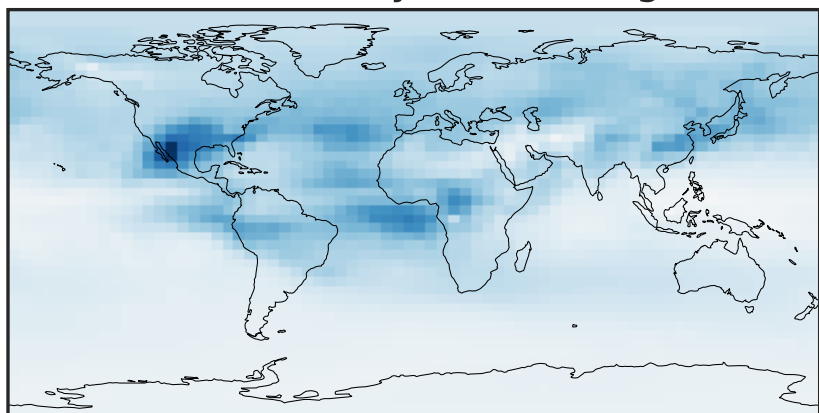
0.0126 0.1427 0.2728 0.4029 0.5330
ppb

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



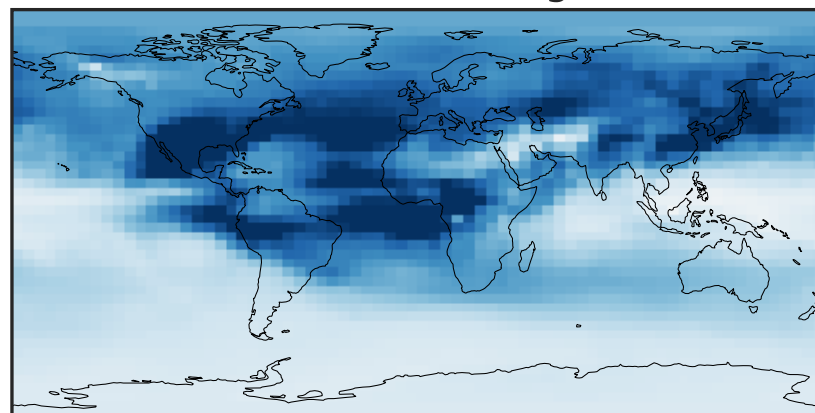
0.0126 0.1427 0.2728 0.4029 0.5330
ppb

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



0.997046 0.998523 1.000000 1.001481 1.002963
unitless

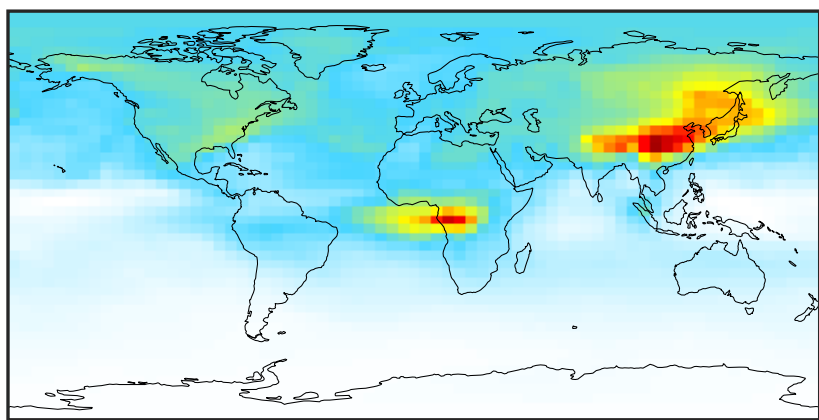
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

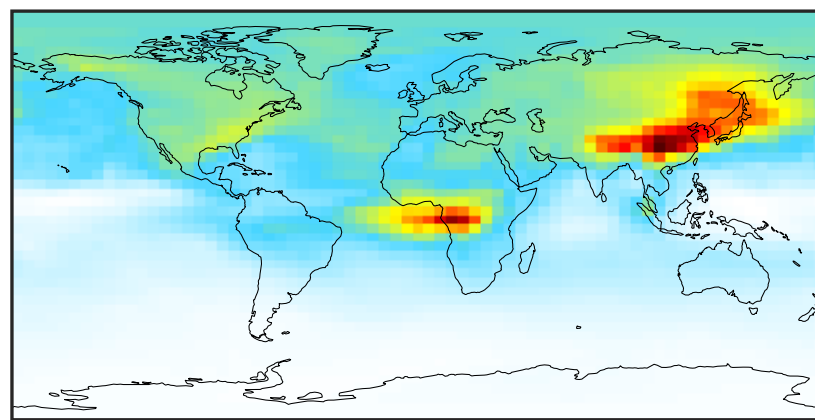
SpeciesConcVV_PPN (Jul2019)

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



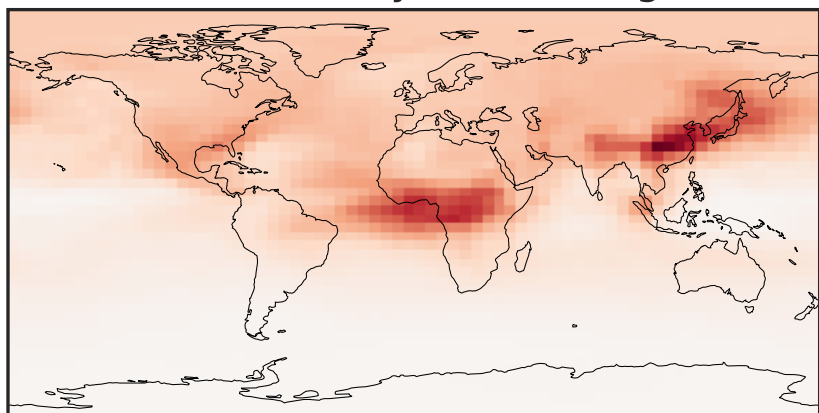
0.0018 0.0274 0.0531 0.0787 0.1043
ppb

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



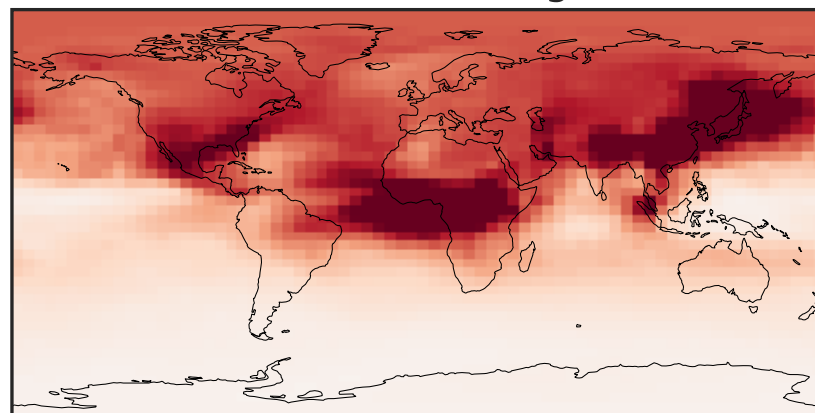
0.0018 0.0274 0.0531 0.0787 0.1043
ppb

Difference
Dev - Ref, Dynamic Range



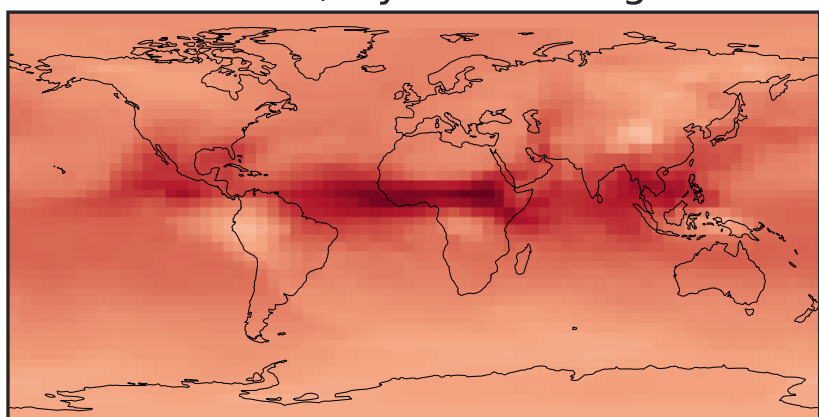
-0.008 0.000 0.008
ppb

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



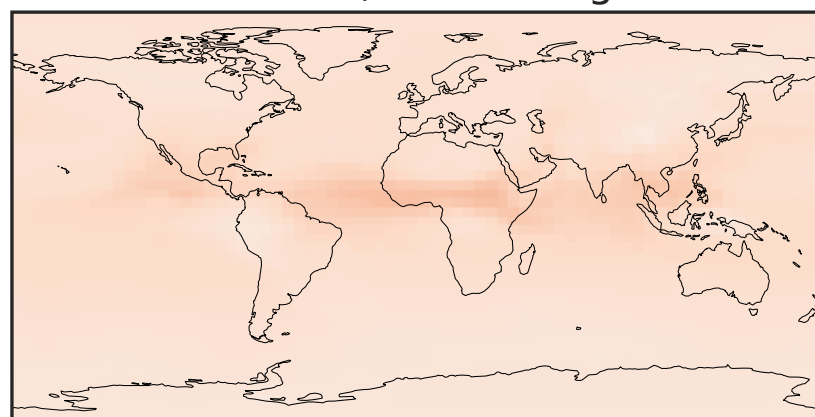
-0.003 0.000 0.003
ppb

Ratio
Dev/Ref, Dynamic Range



0.8027 0.9013 1.0000 1.1229 1.2459
unitless

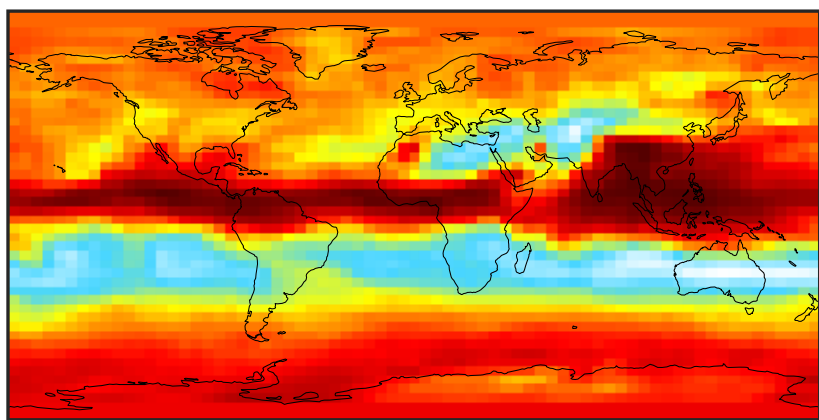
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

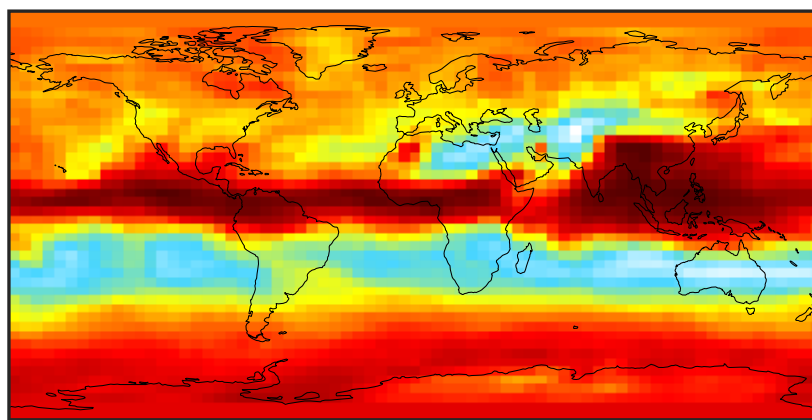
SpeciesConcVV_N2O (Jul2019)

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



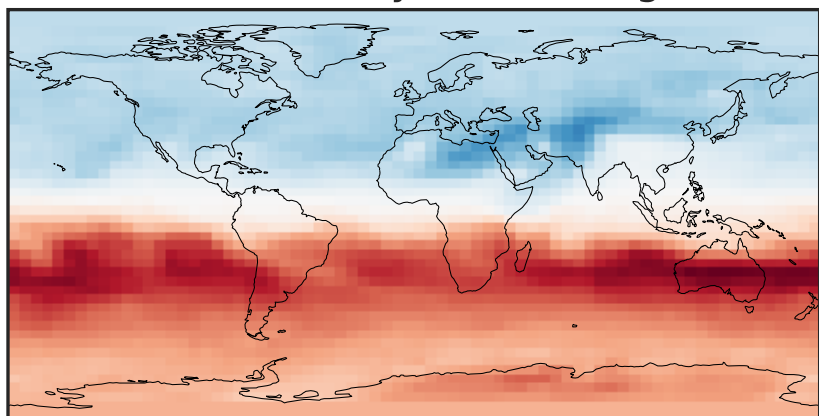
329.4386 329.6417 329.8449 330.0480 330.2511
ppb

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



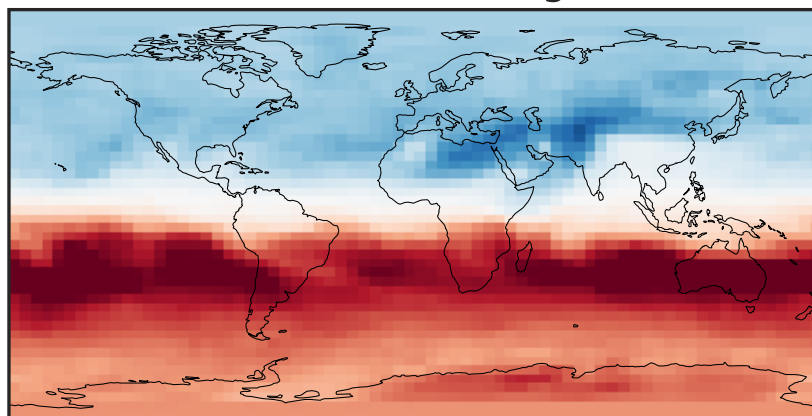
329.4386 329.6417 329.8449 330.0480 330.2511
ppb

Difference
Dev - Ref, Dynamic Range



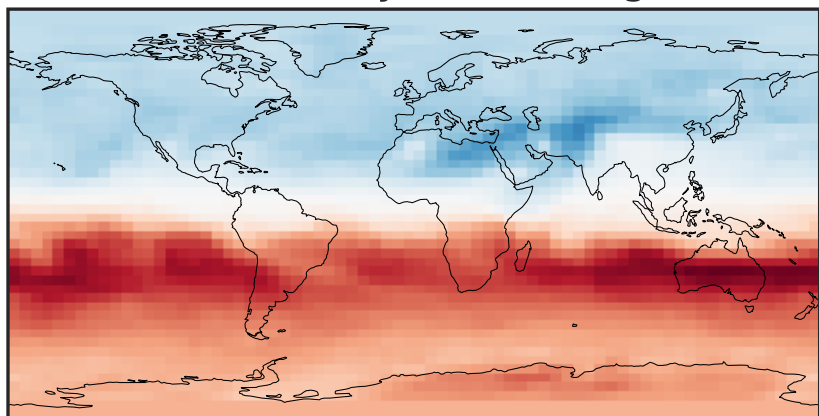
-0.02 0.00 0.02
ppb

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



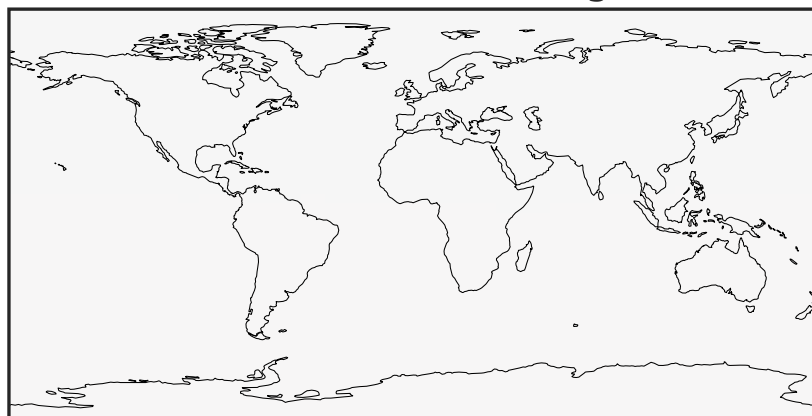
-0.015 0.000 0.015
ppb

Ratio
Dev/Ref, Dynamic Range



0.9998943 1.000000 1.0001057
unitless

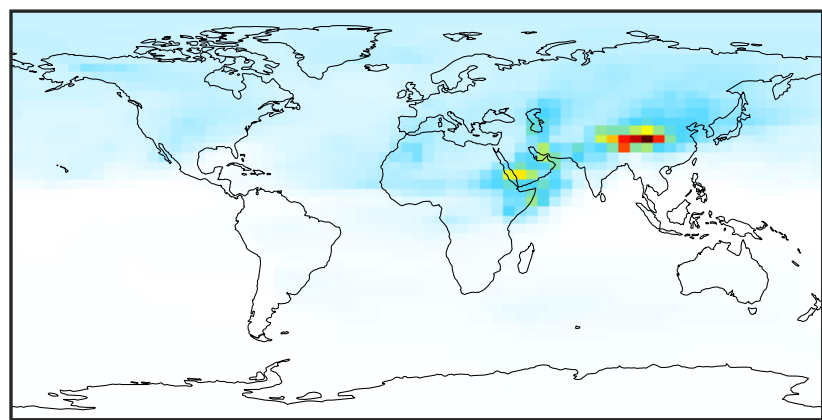
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

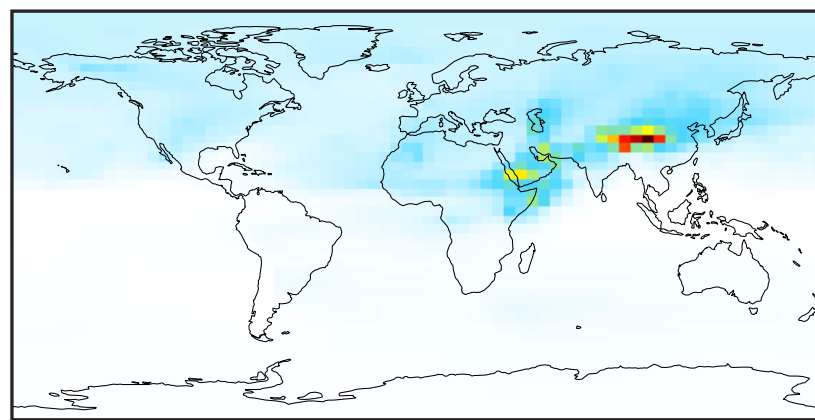
SpeciesConcVV_NHx (Jul2019)

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



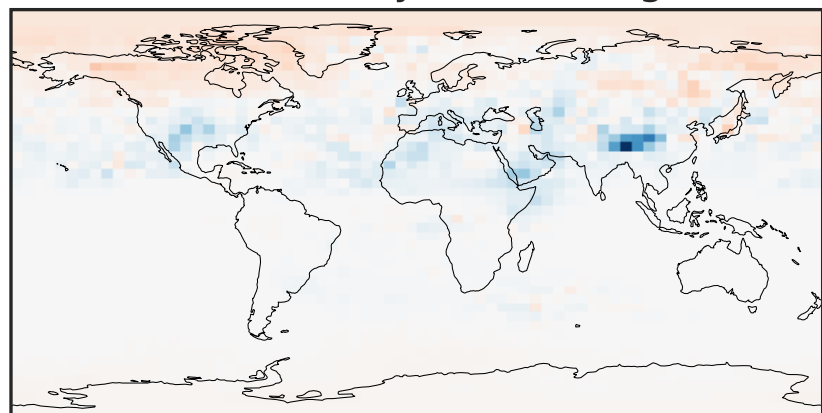
0.001 0.292 0.583 0.875 1.166
ppb

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



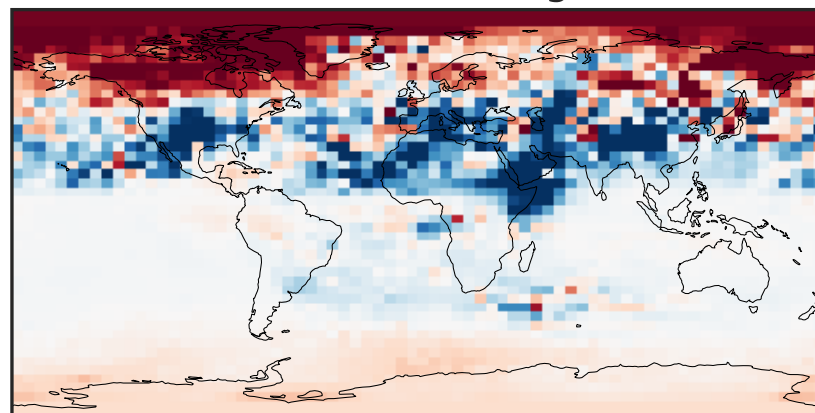
0.001 0.292 0.583 0.875 1.166
ppb

Difference
Dev - Ref, Dynamic Range



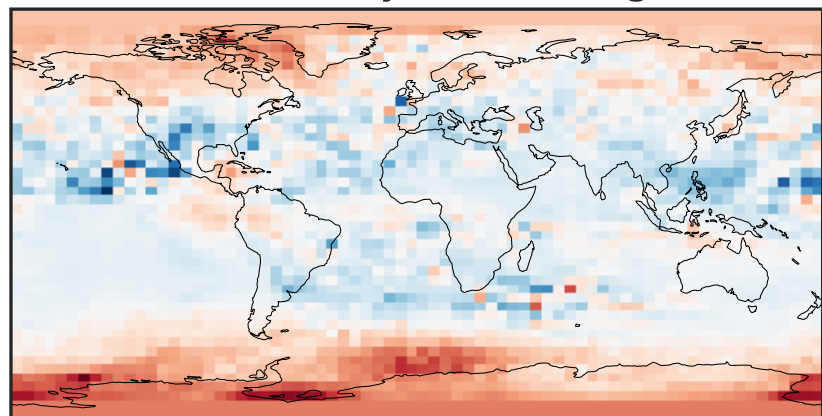
-0.001 0.000 0.001
ppb

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



-0.0001 0.0000 0.0001
ppb

Ratio
Dev/Ref, Dynamic Range



0.99241 0.99620 1.00000 1.00382 1.00765
unitless

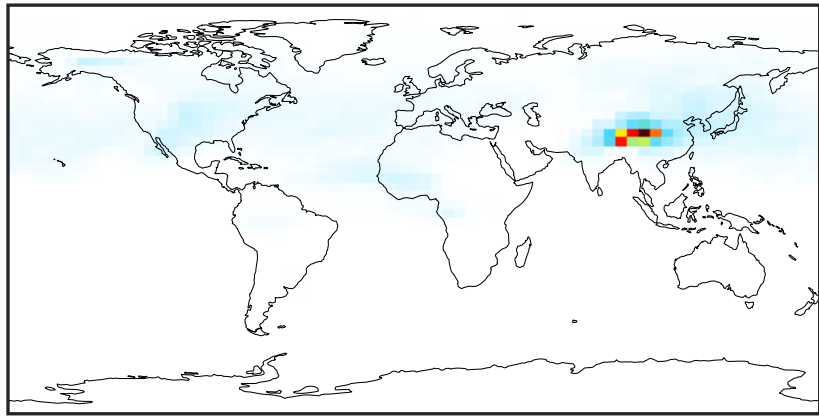
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

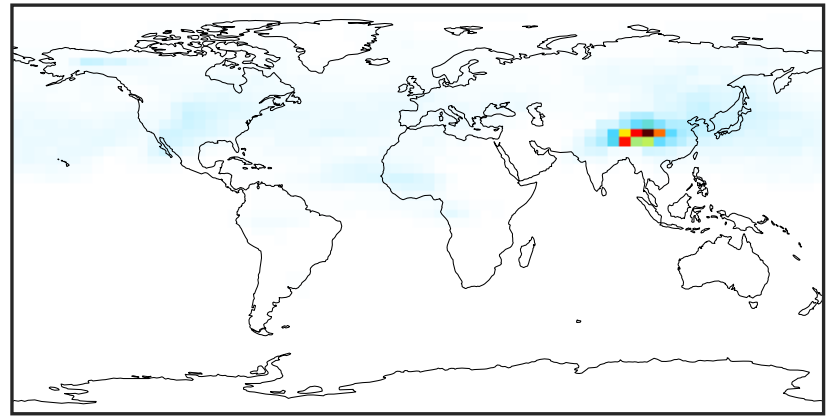
SpeciesConcVV_NH3 (Jul2019)

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



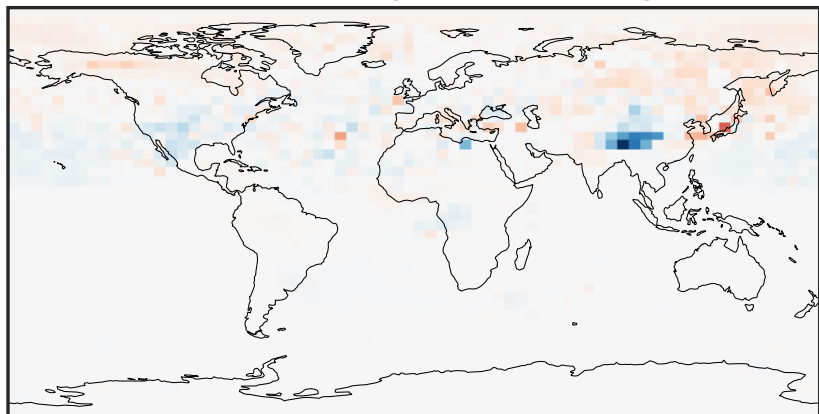
0.0000 0.2149 0.4297 0.6446 0.8595
ppb

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



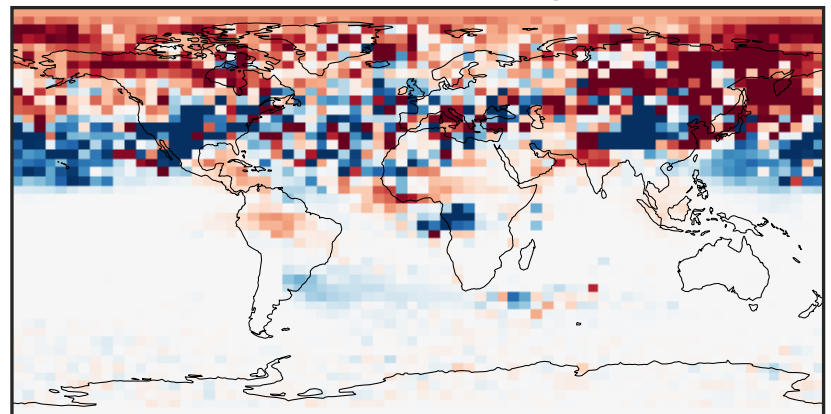
0.0000 0.2149 0.4297 0.6446 0.8595
ppb

Difference
Dev - Ref, Dynamic Range



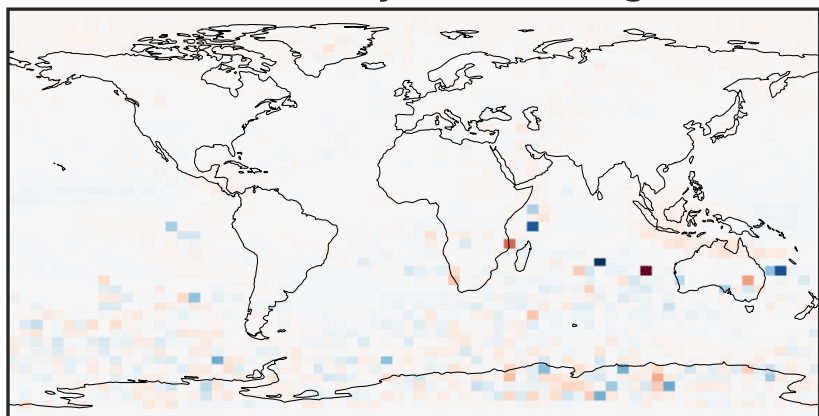
-0.0015 0.0000 0.0015
ppb

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



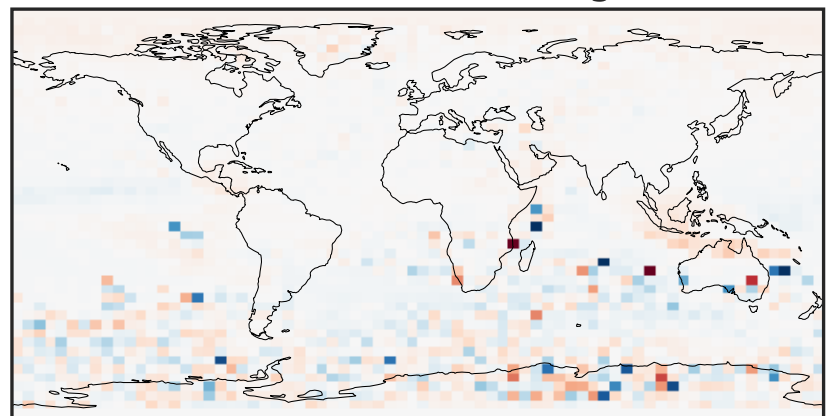
-0.0001 0.0000 0.0001
ppb

Ratio
Dev/Ref, Dynamic Range



0.294 0.647 1.000 2.203 3.406
unitless

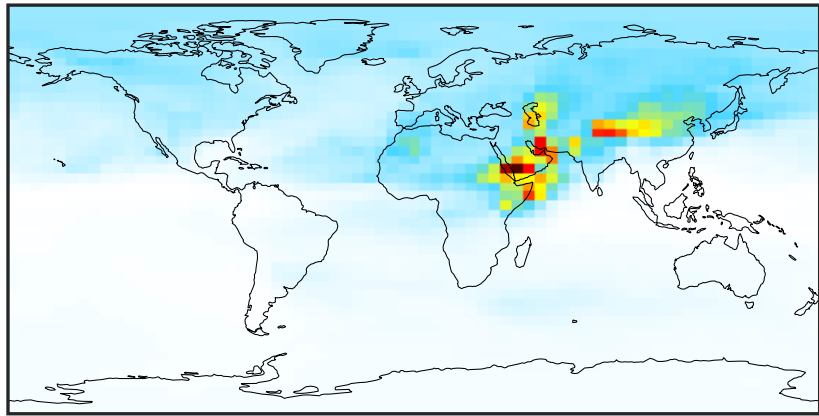
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

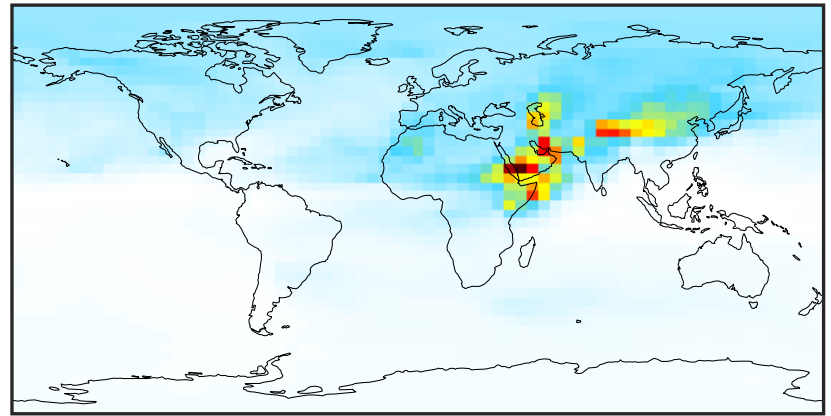
SpeciesConcVV_NH4 (Jul2019)

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



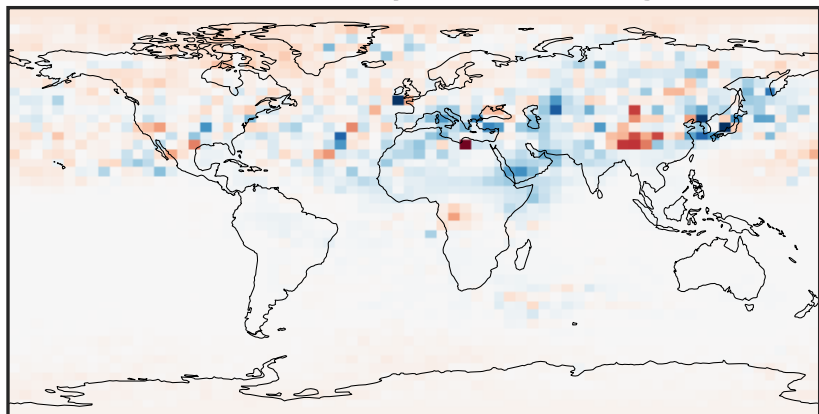
0.0006 0.1519 0.3032 0.4546 0.6059
ppb

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



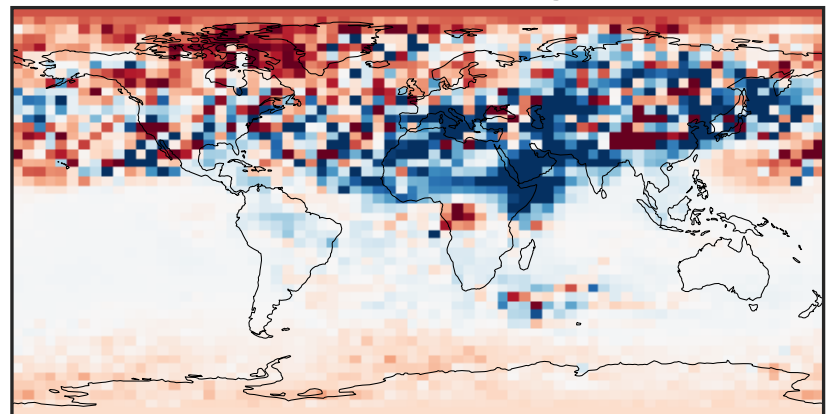
0.0006 0.1519 0.3032 0.4546 0.6059
ppb

Difference
Dev - Ref, Dynamic Range



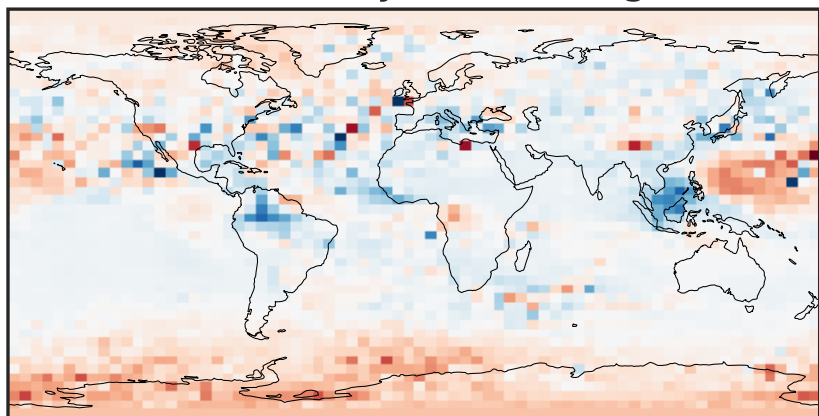
-0.0006 0.0000 0.0006
ppb

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



-0.0001 0.0000 0.0001
ppb

Ratio
Dev/Ref, Dynamic Range



0.98618 0.99309 1.00000 1.00701 1.01402
unitless

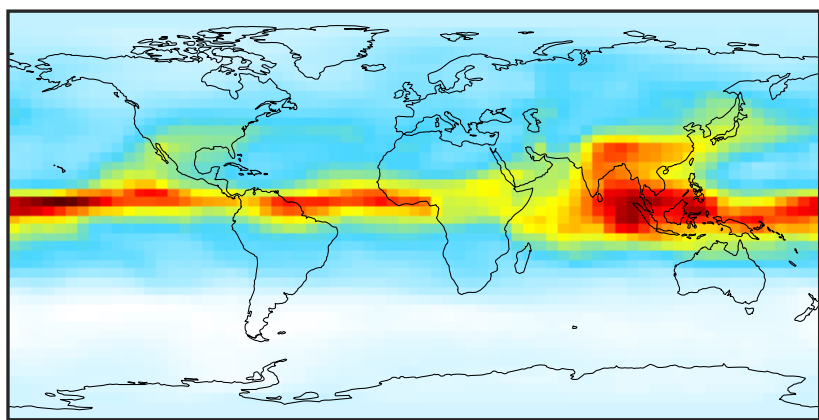
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

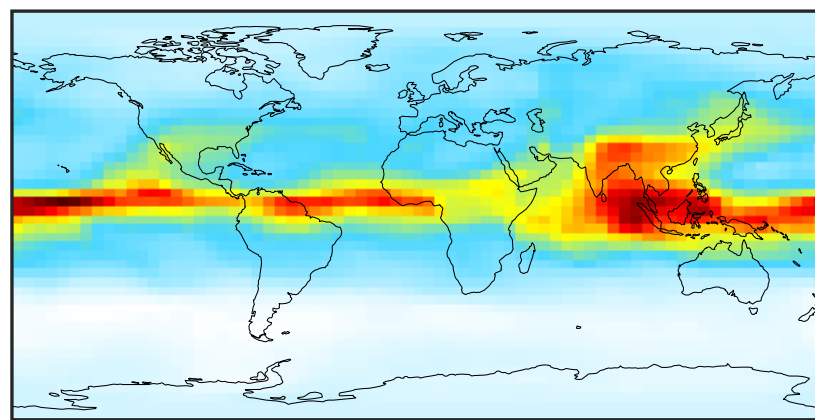
SpeciesConcVW_MENO3 (Jul2019)

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



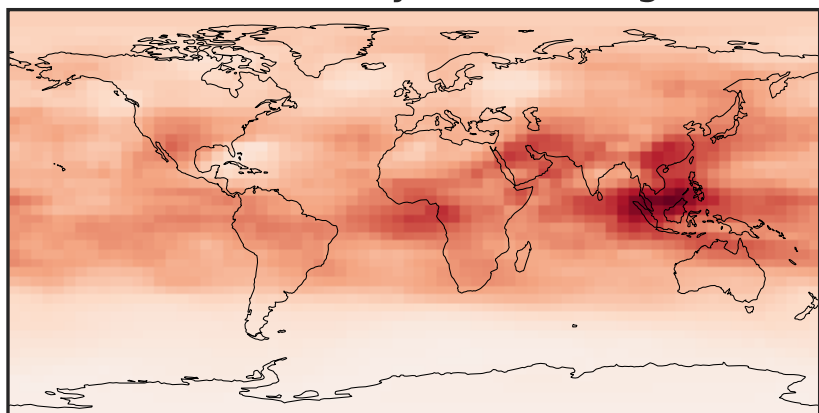
0.004 0.006 0.008 0.010
ppb

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



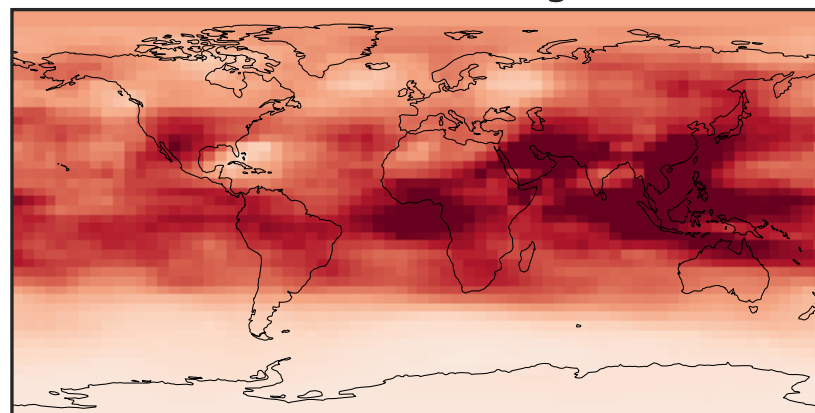
0.004 0.006 0.008 0.010
ppb

Difference
Dev - Ref, Dynamic Range



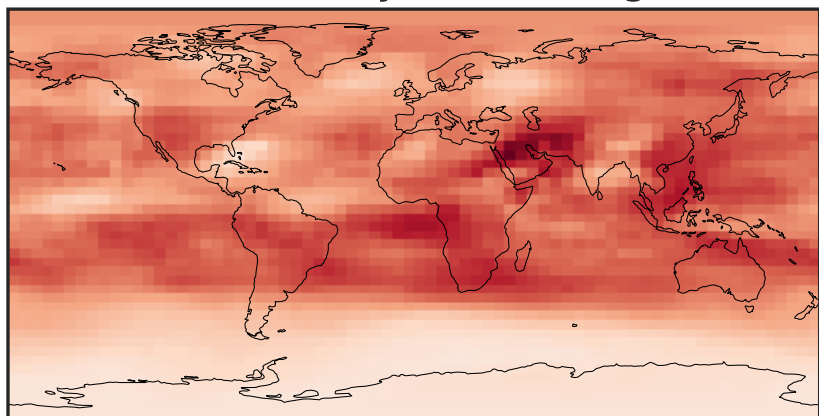
-8 0 8
ppb $1e-5$

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



-4 0 4
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.98556 0.99278 1.00000 1.00732 1.01465
unitless

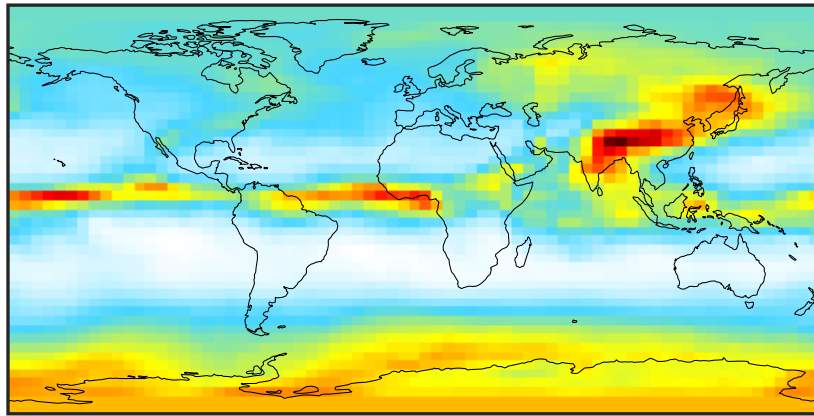
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

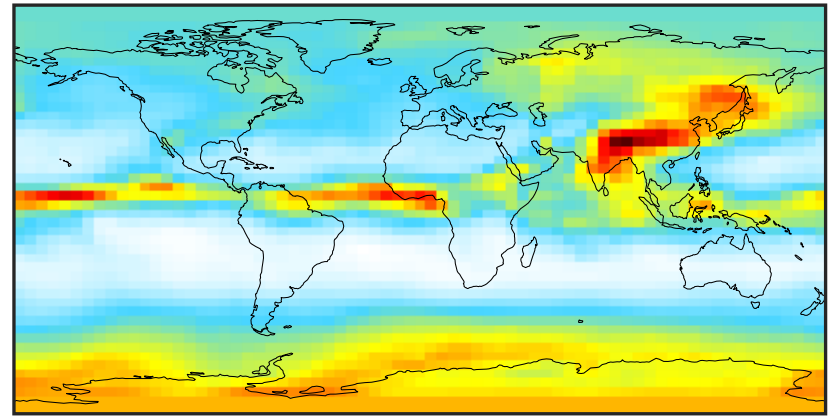
SpeciesConcVV_ETNO3 (Jul2019)

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



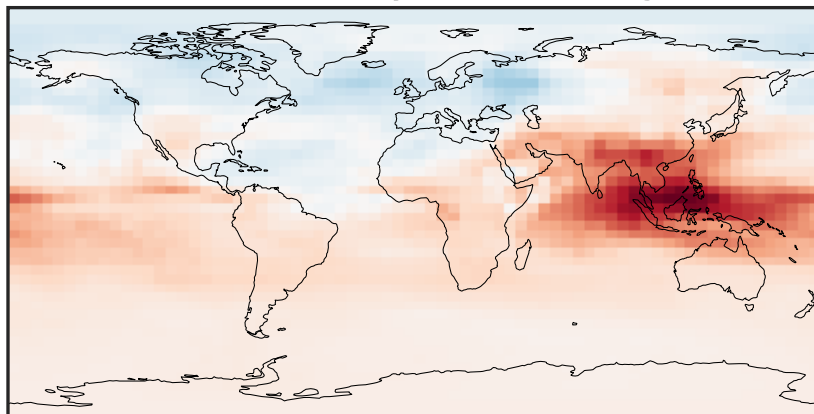
0.0016 0.0024 0.0032
ppb

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



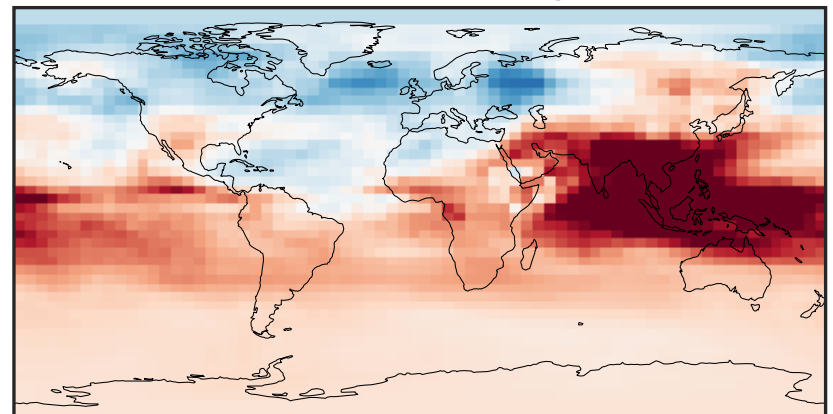
0.0016 0.0024 0.0032
ppb

Difference
Dev - Ref, Dynamic Range



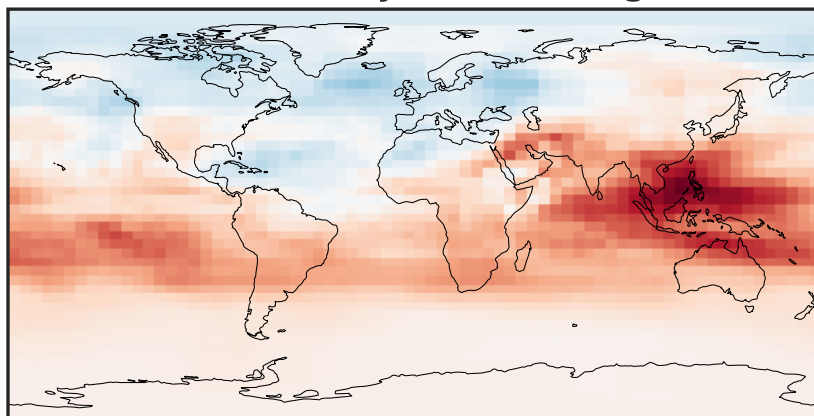
-2.5 0.0 2.5
ppb $1e-5$

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



-1.5 0.0 1.5
ppb $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.97773 0.98886 1.00000 1.01139 1.02278
unitless

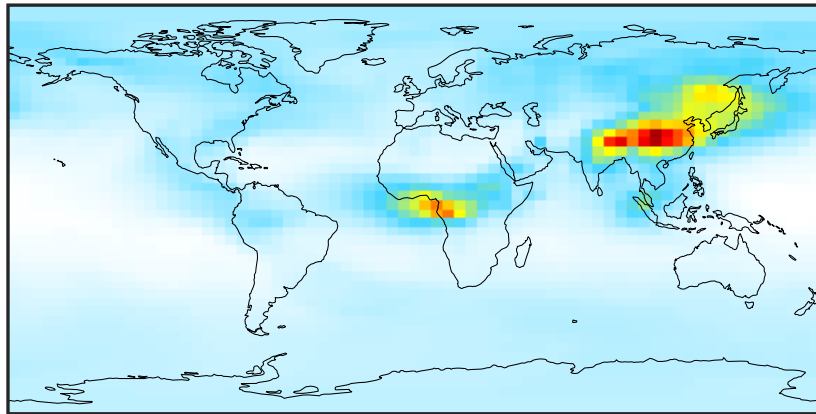
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

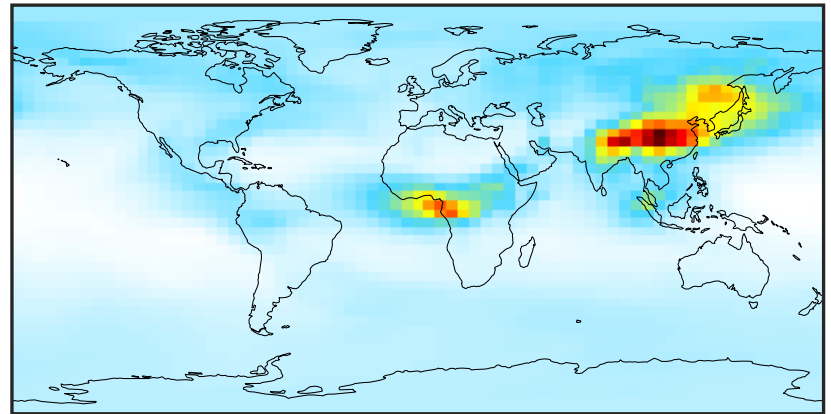
SpeciesConcVV_IPRNO3 (Jul2019)

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



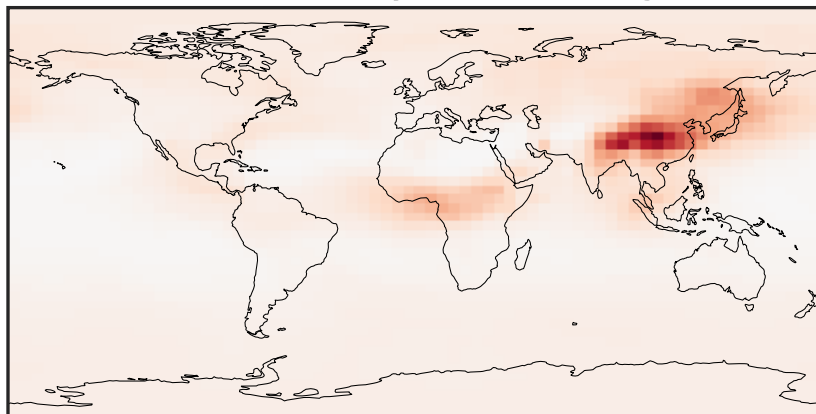
0.004 0.008 0.012
ppb

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



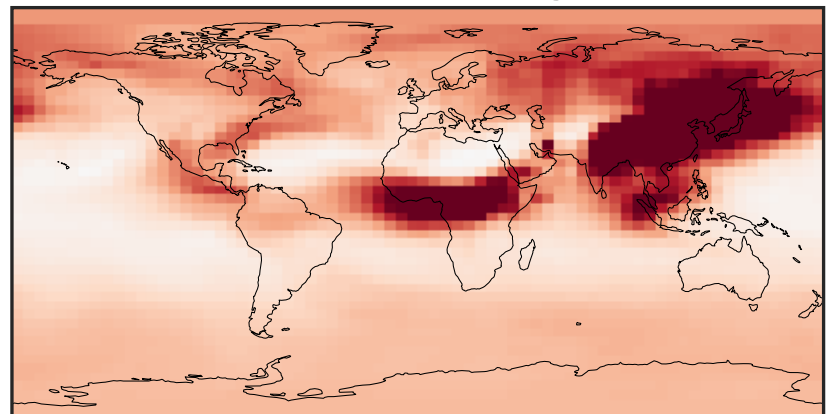
0.004 0.008 0.012
ppb

Difference
Dev - Ref, Dynamic Range



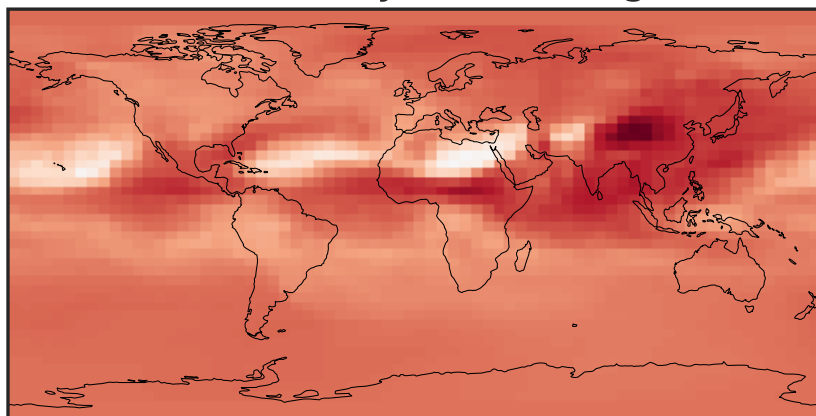
-0.001 0.000 0.001
ppb

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



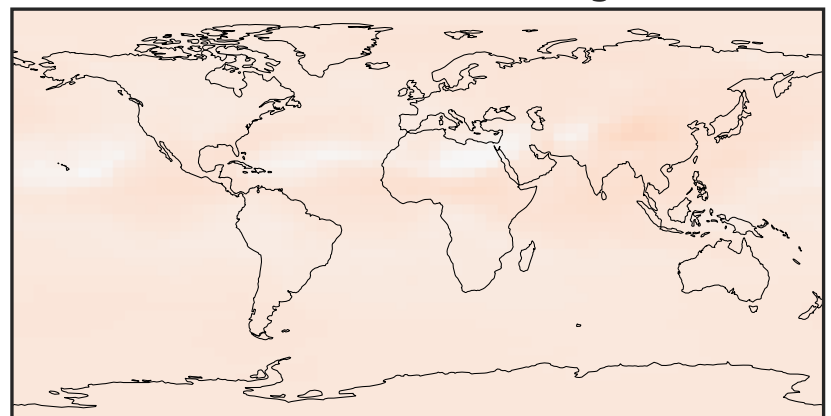
-0.0002 0.0000 0.0002
ppb

Ratio
Dev/Ref, Dynamic Range



0.8659 0.9330 1.0000 1.0774 1.1549
unitless

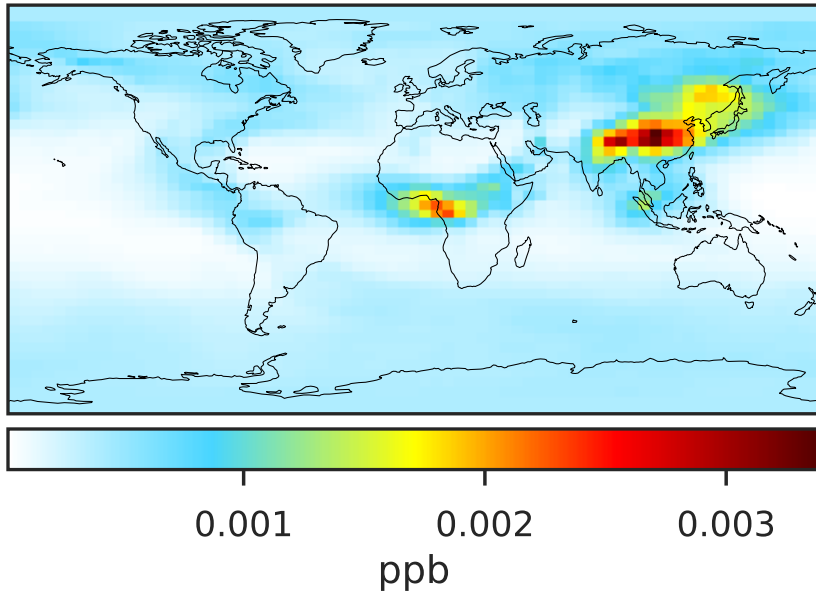
Ratio
Dev/Ref, Fixed Range



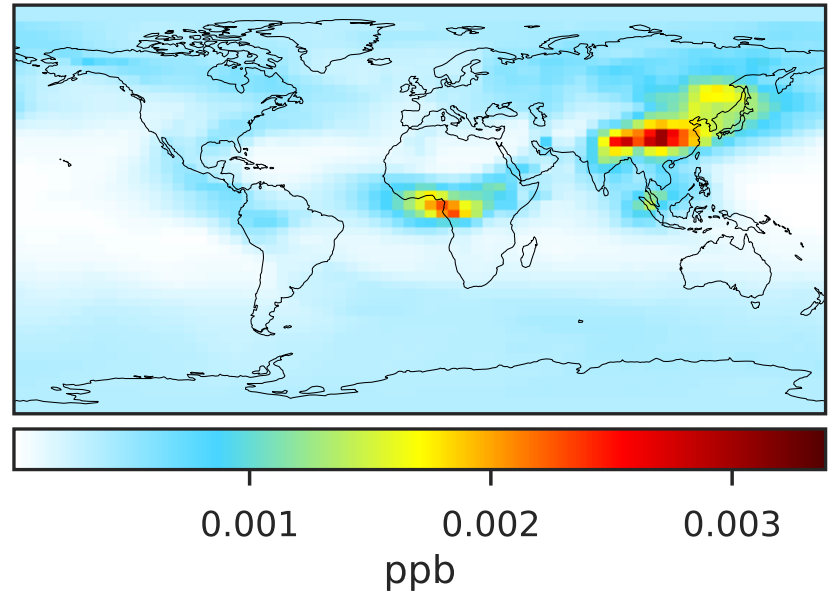
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NPRNO3 (Jul2019)

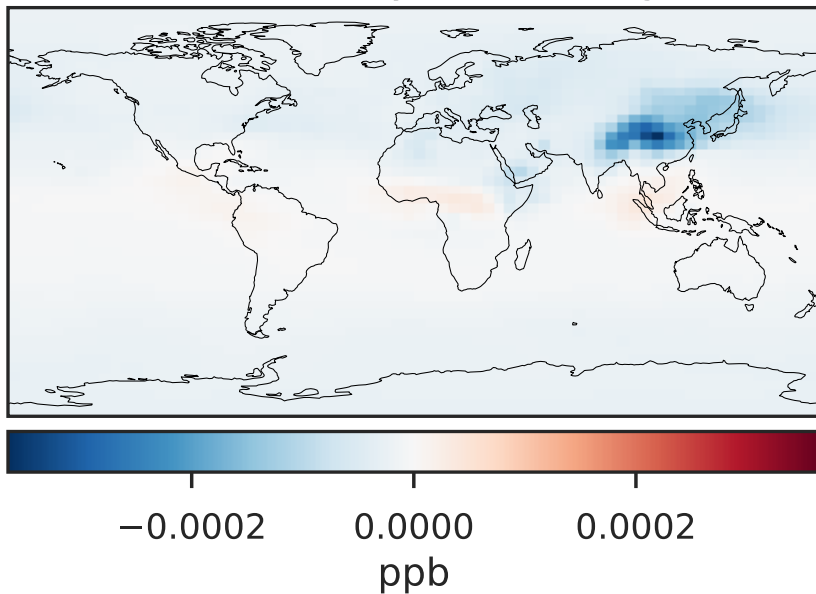
14.2.0-rc.2 (Ref)
4.0x5.0



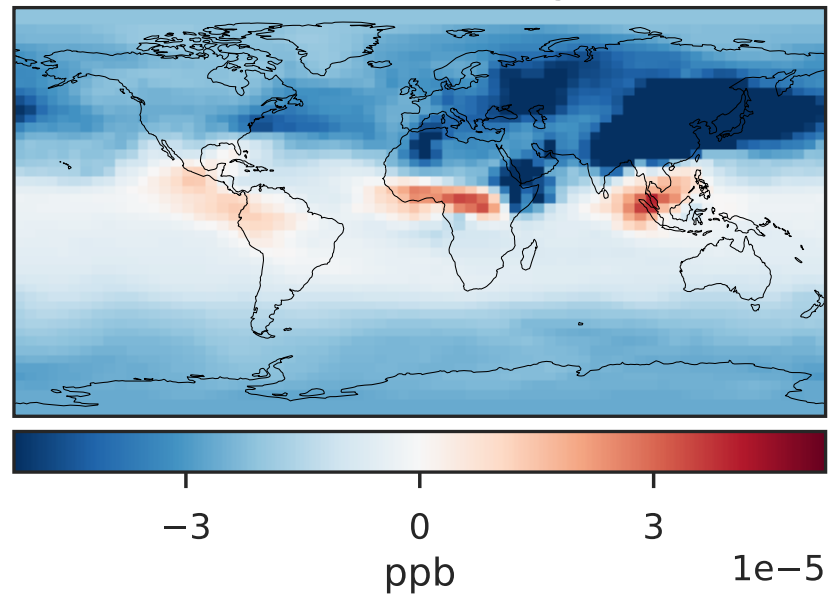
14.3.0-rc.0 (Dev)
4.0x5.0



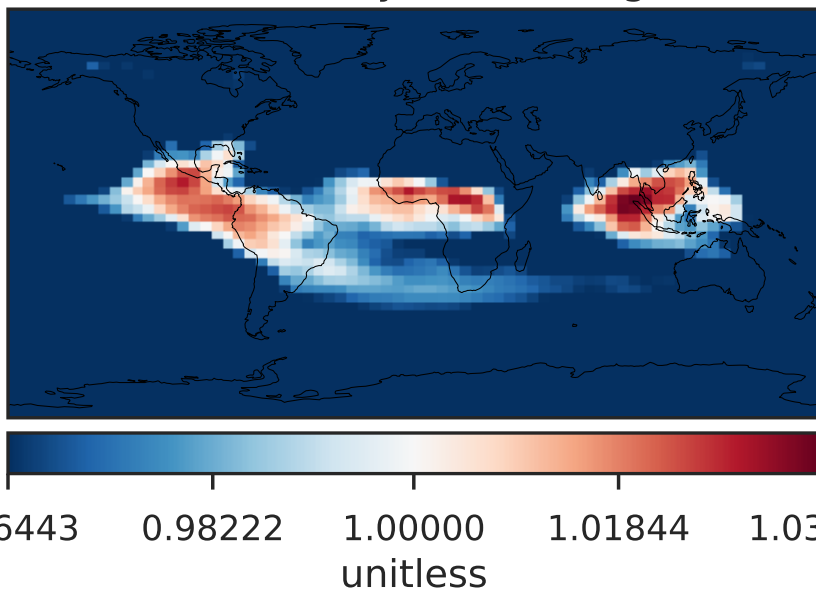
Difference
Dev - Ref, Dynamic Range



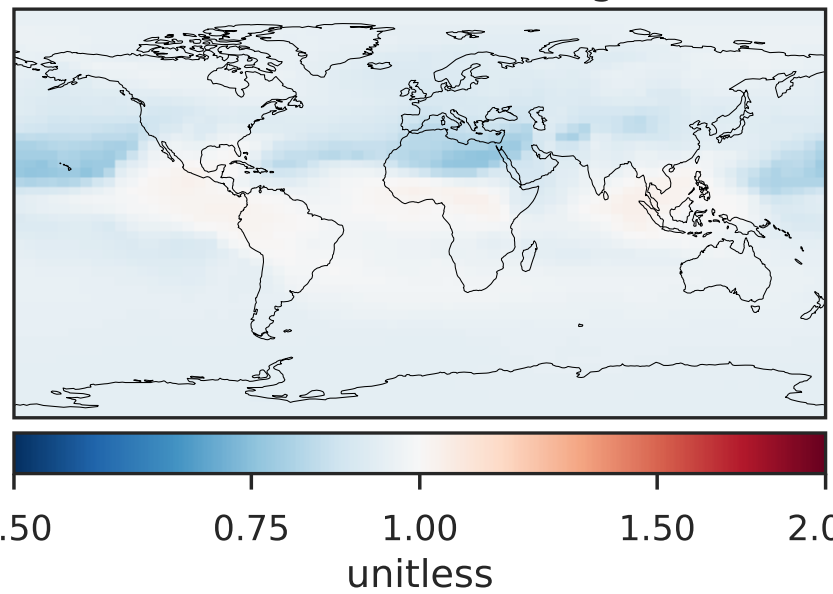
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

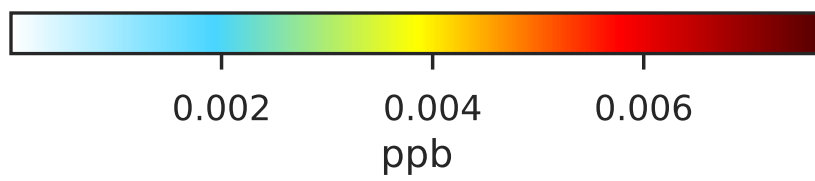
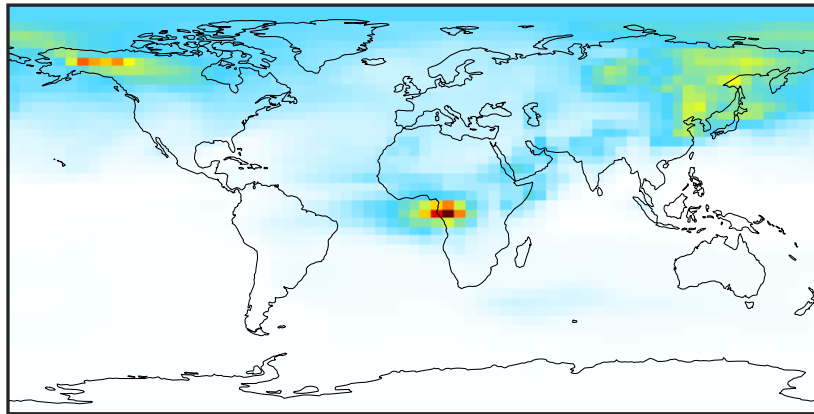


Ratio
Dev/Ref, Fixed Range

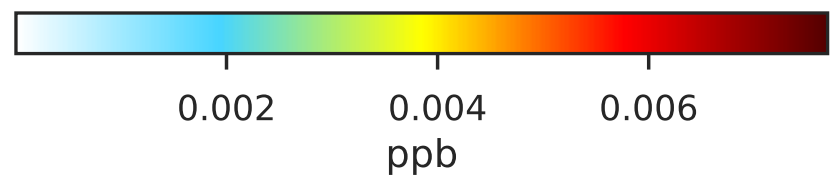
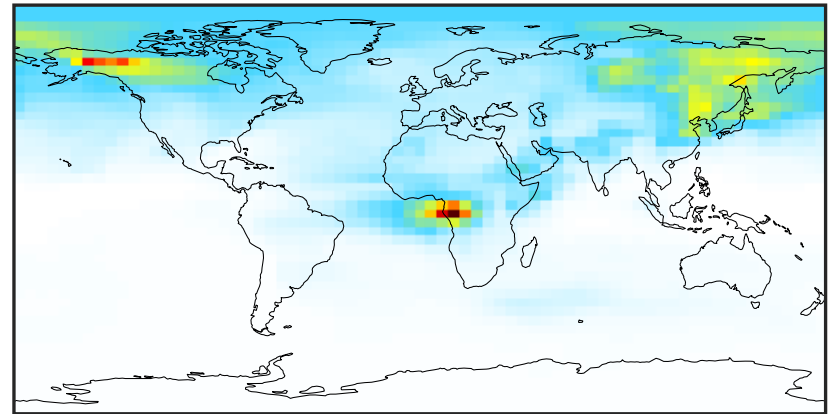


SpeciesConcVV_AONITA (Jul2019)

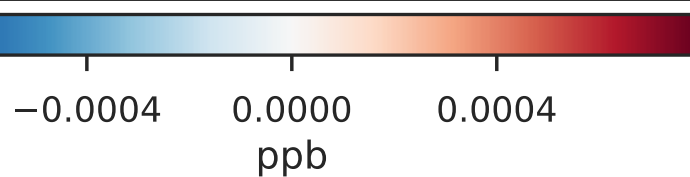
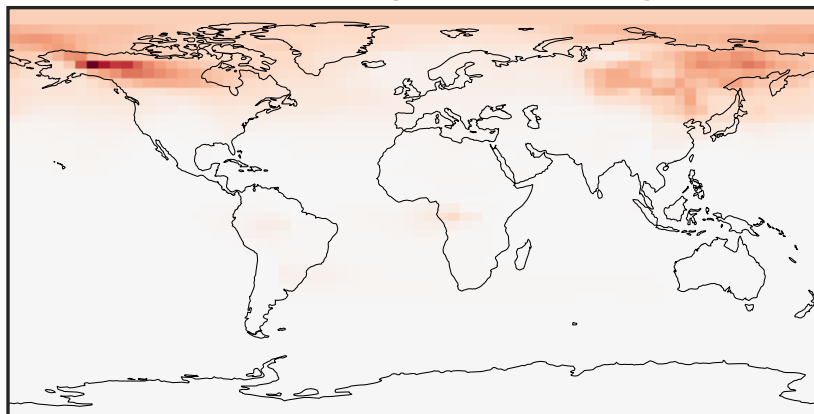
14.2.0-rc.2 (Ref)
4.0x5.0



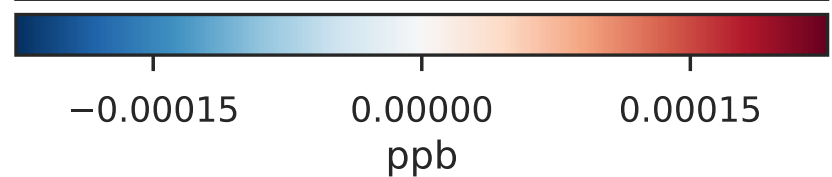
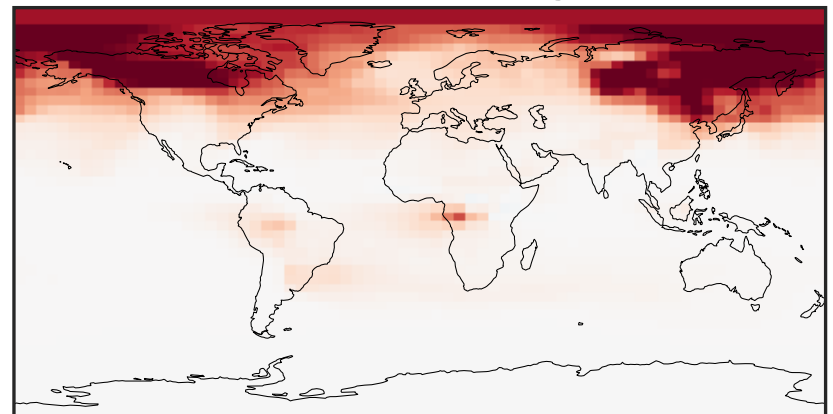
14.3.0-rc.0 (Dev)
4.0x5.0



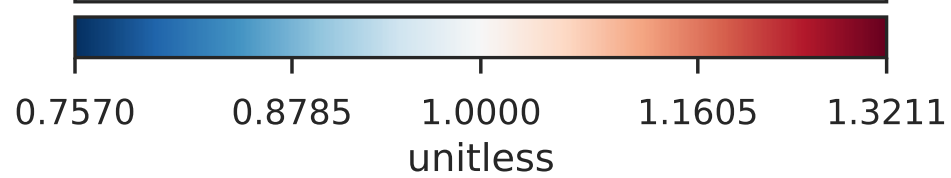
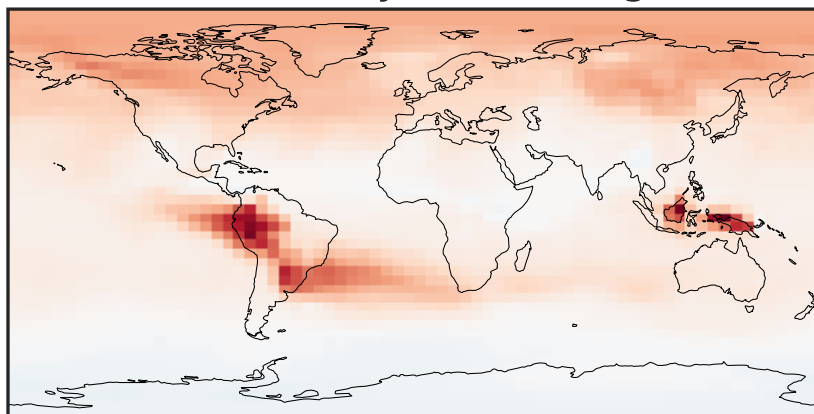
Difference
Dev - Ref, Dynamic Range



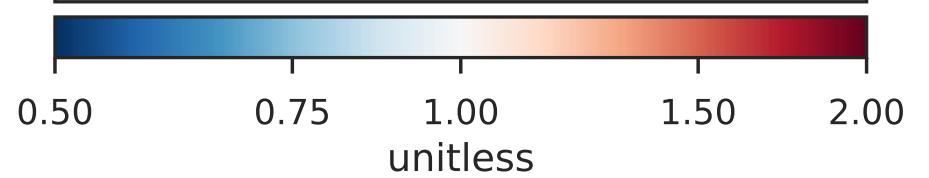
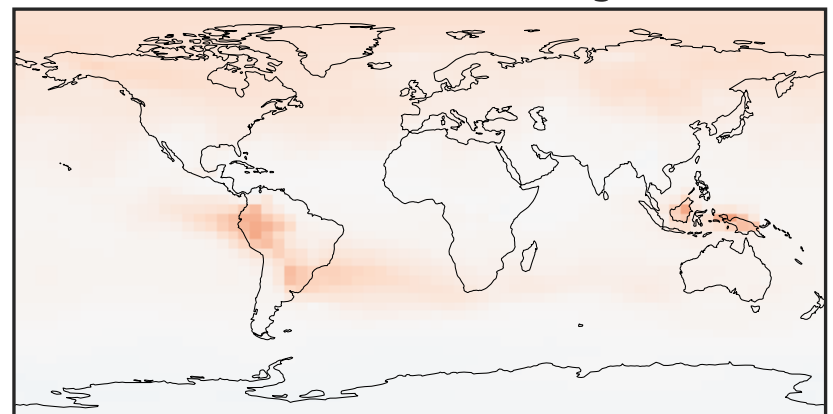
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

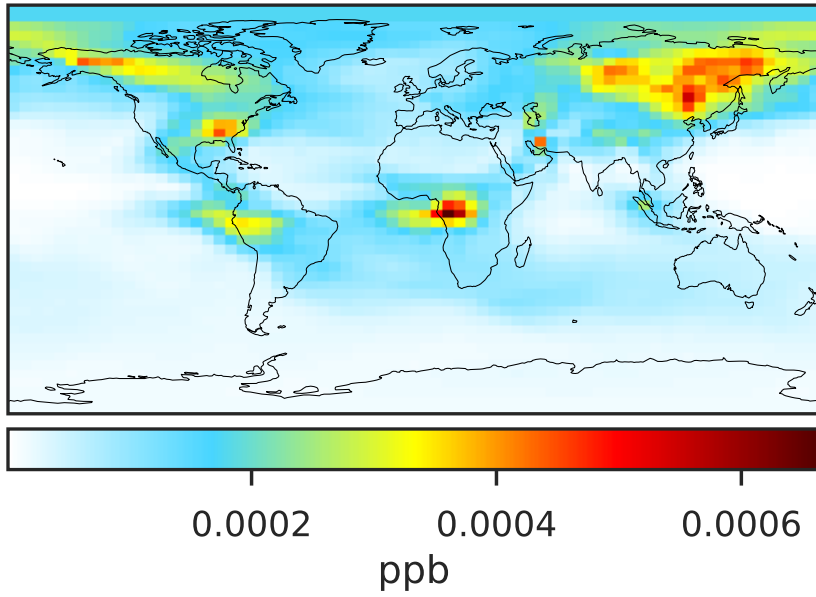


Ratio
Dev/Ref, Fixed Range

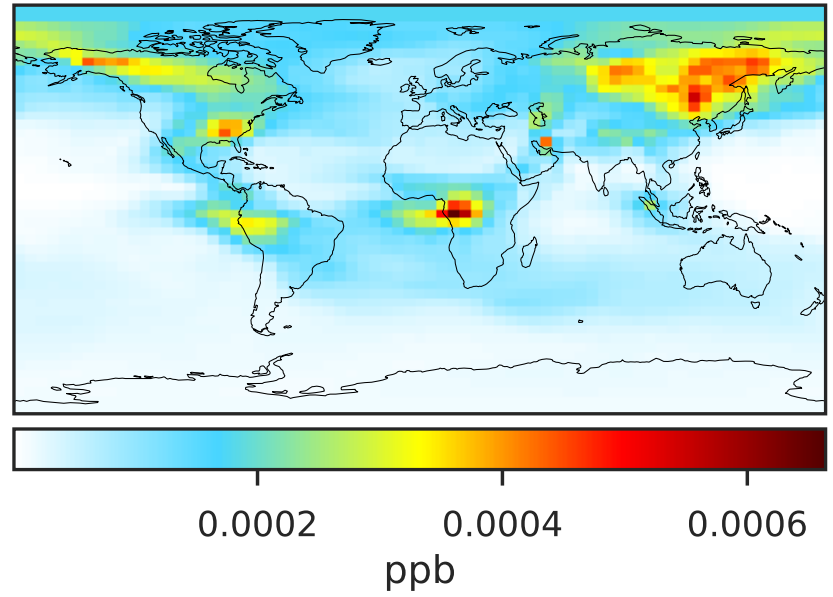


SpeciesConcVV_ETHN (Jul2019)

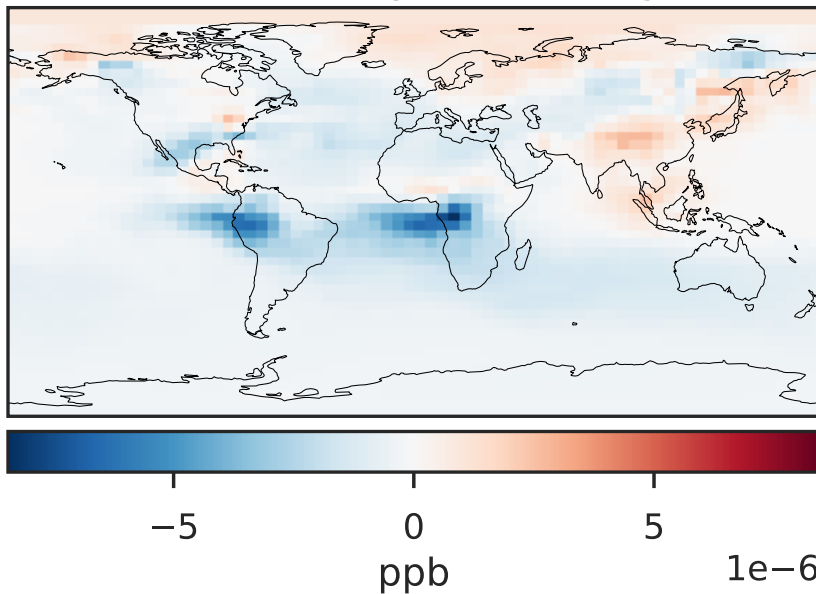
14.2.0-rc.2 (Ref)
4.0x5.0



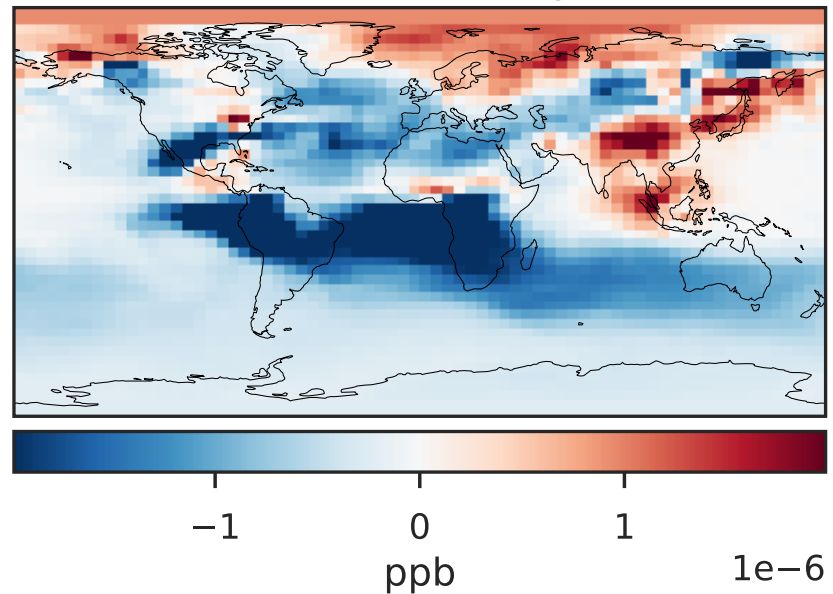
14.3.0-rc.0 (Dev)
4.0x5.0



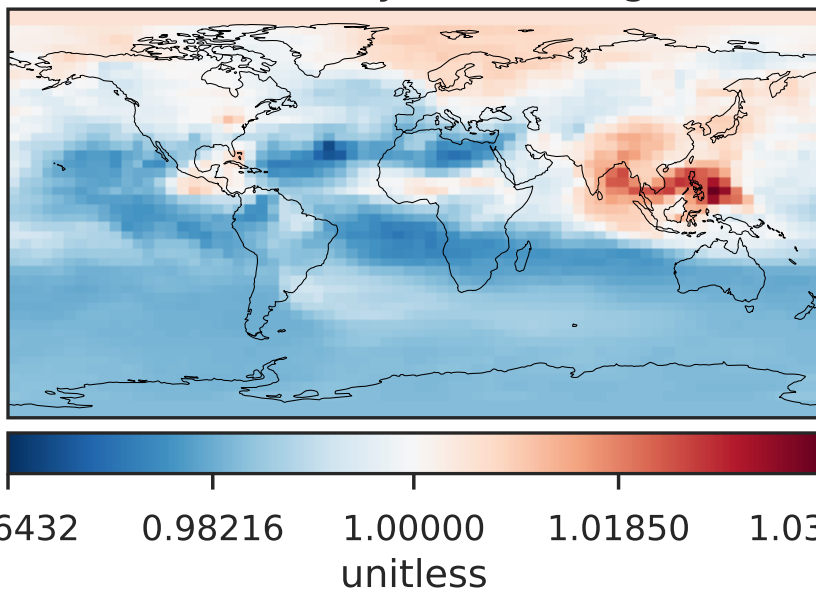
Difference
Dev - Ref, Dynamic Range



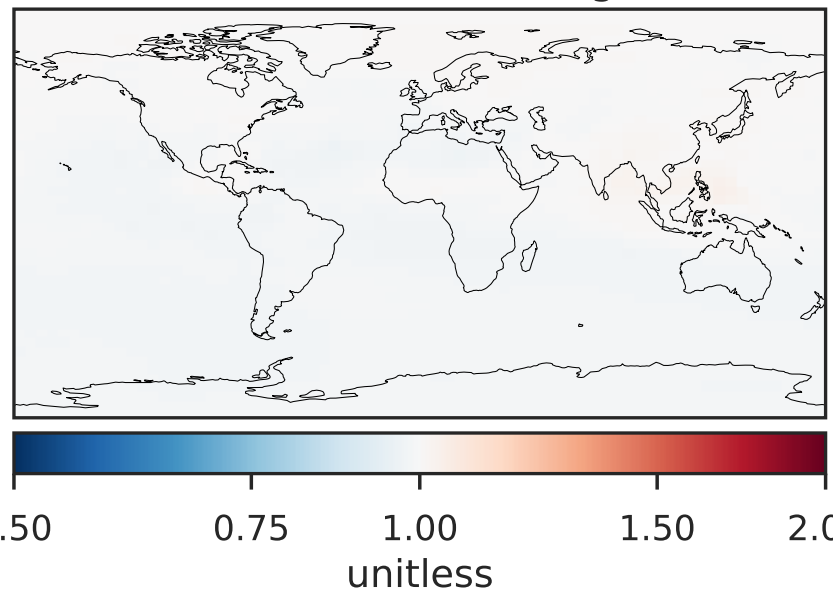
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

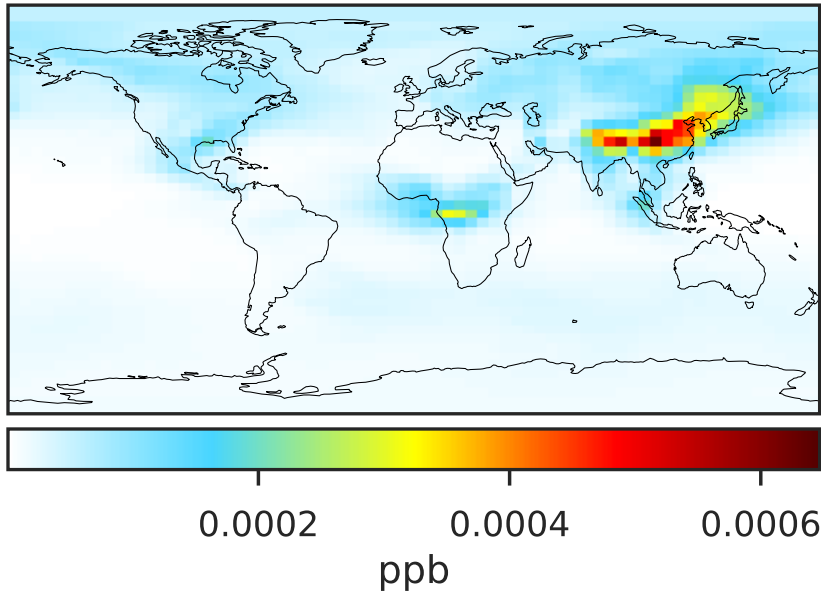


Ratio
Dev/Ref, Fixed Range

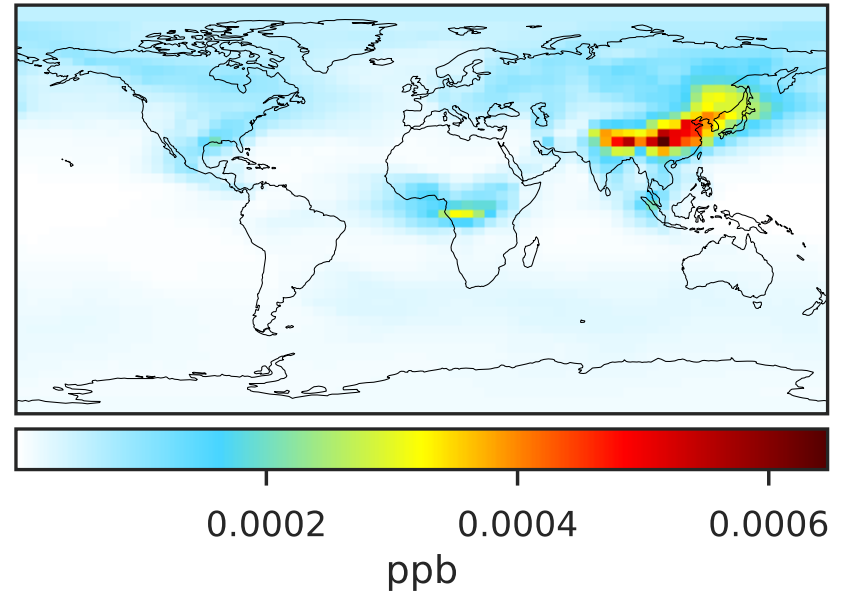


SpeciesConcVV_BZPAN (Jul2019)

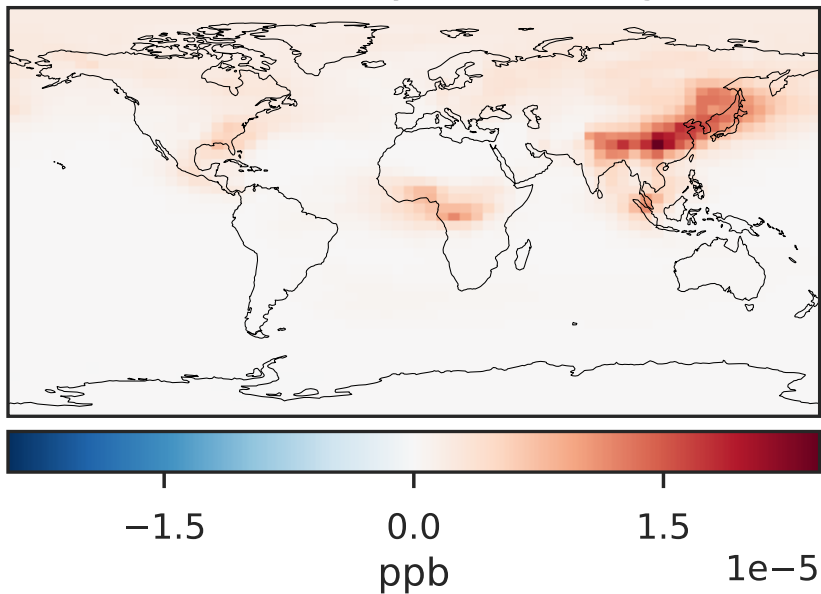
14.2.0-rc.2 (Ref)
4.0x5.0



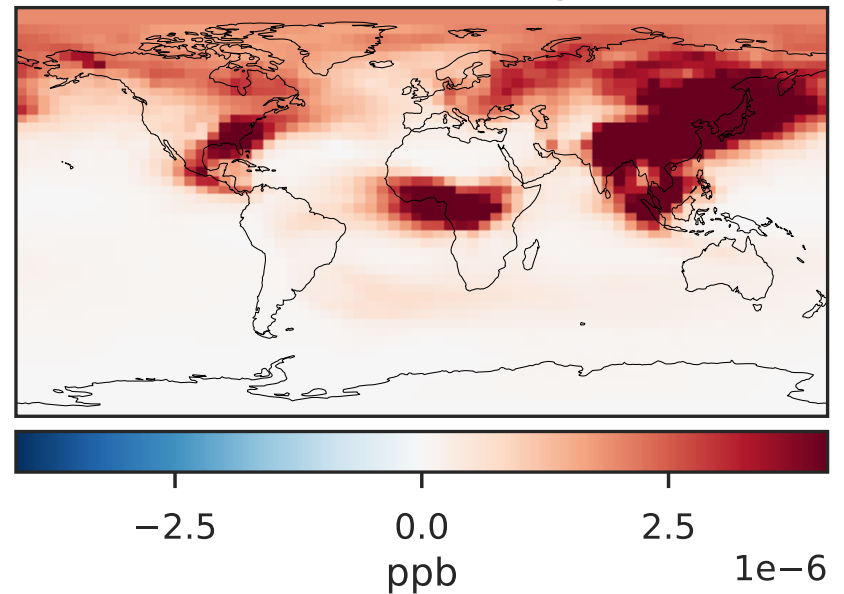
14.3.0-rc.0 (Dev)
4.0x5.0



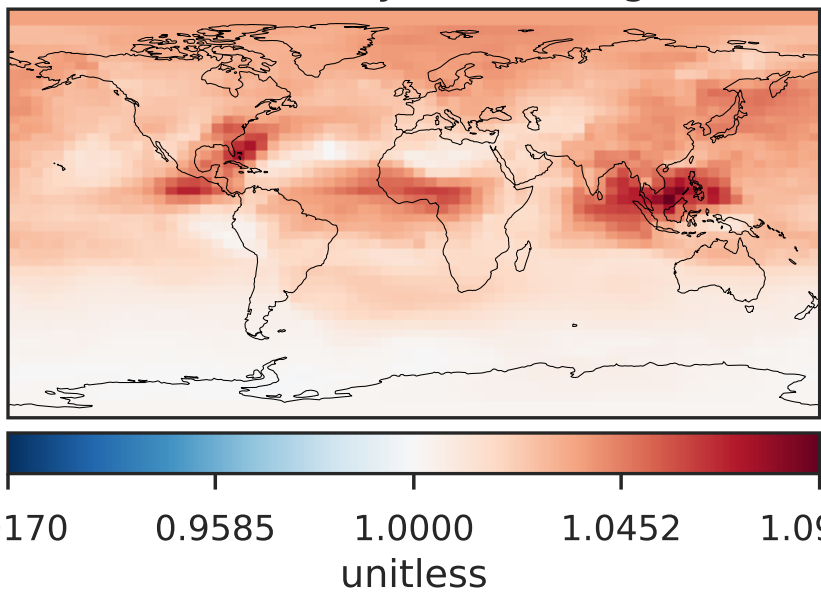
Difference
Dev - Ref, Dynamic Range



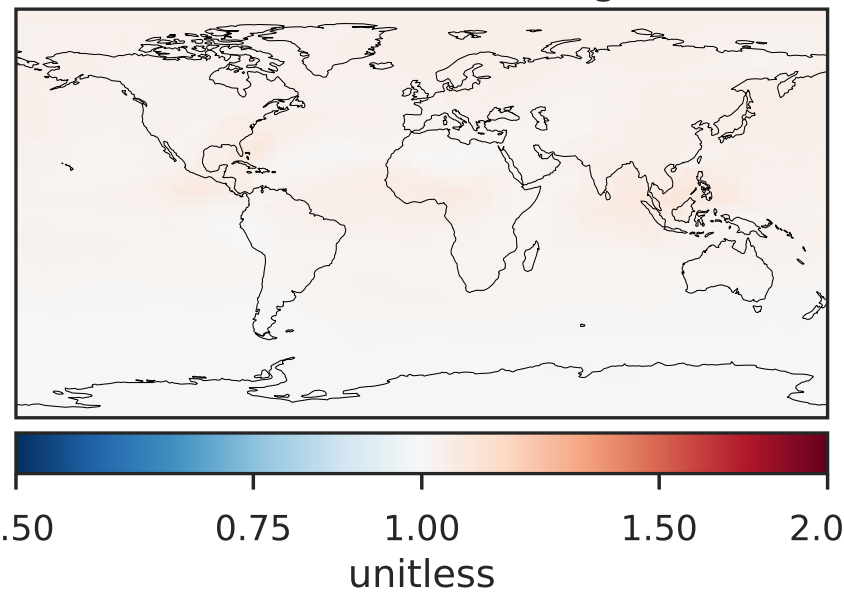
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

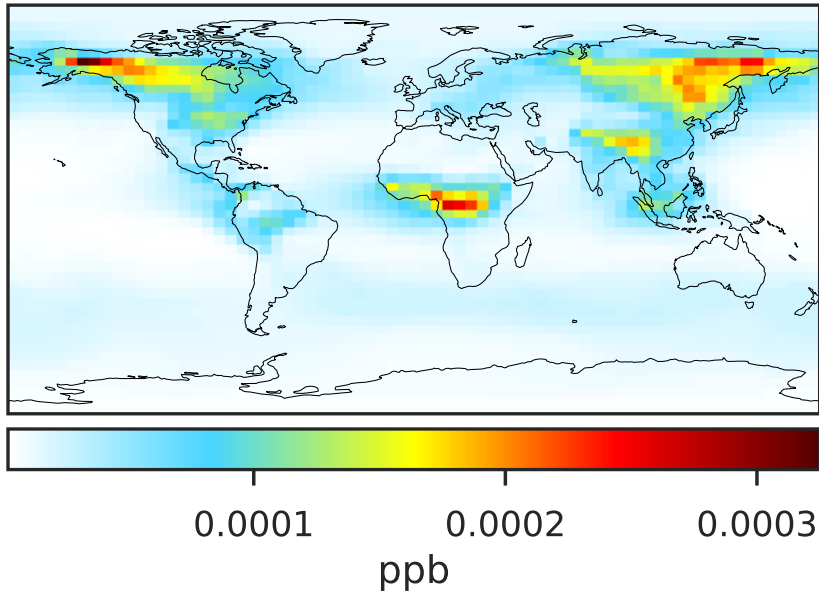


Ratio
Dev/Ref, Fixed Range

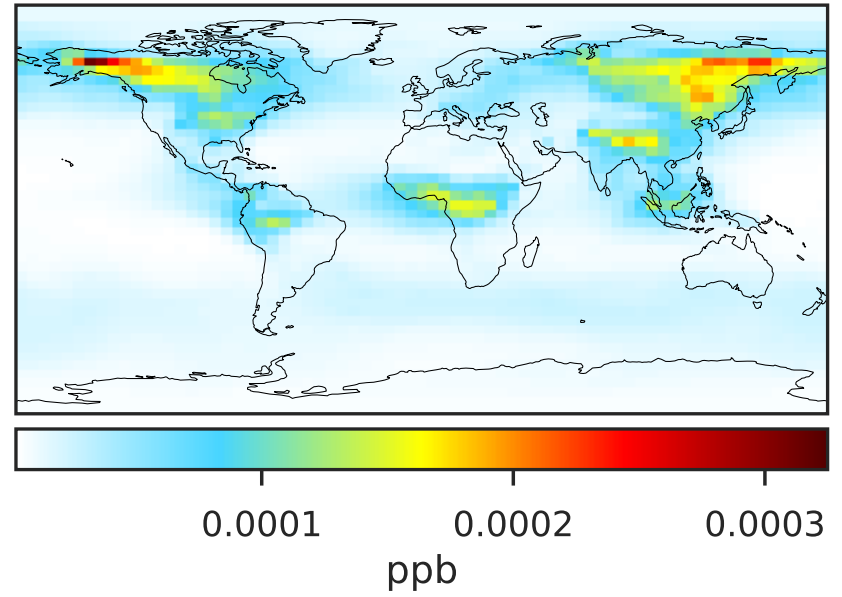


SpeciesConcVV_NPHEN (Jul2019)

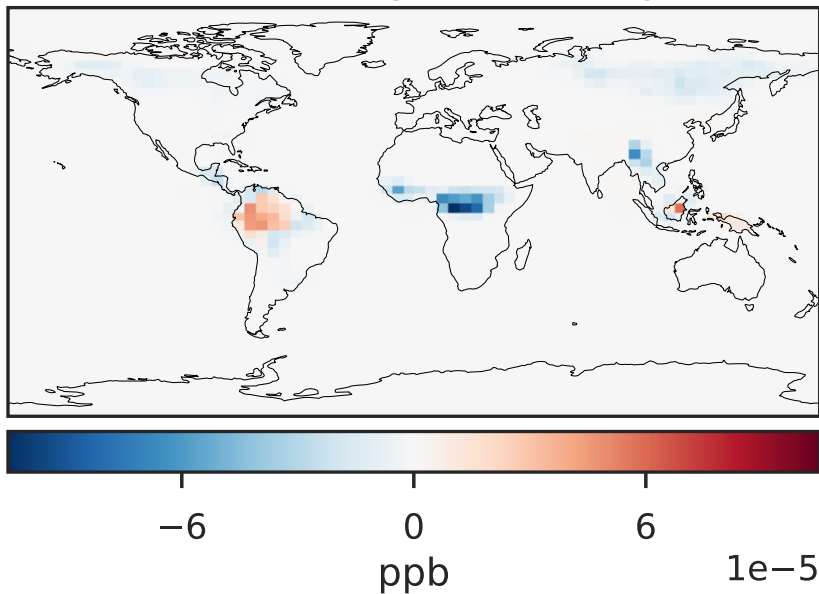
14.2.0-rc.2 (Ref)
4.0x5.0



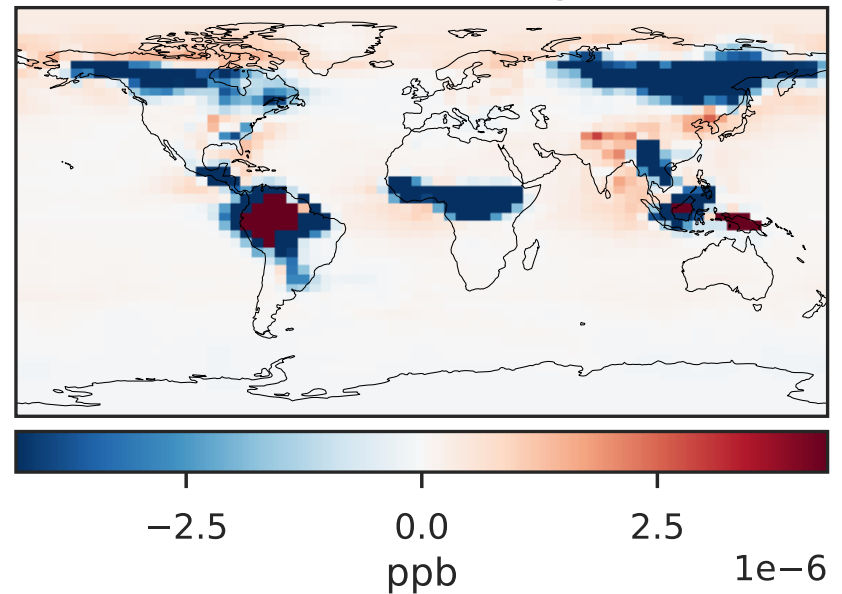
14.3.0-rc.0 (Dev)
4.0x5.0



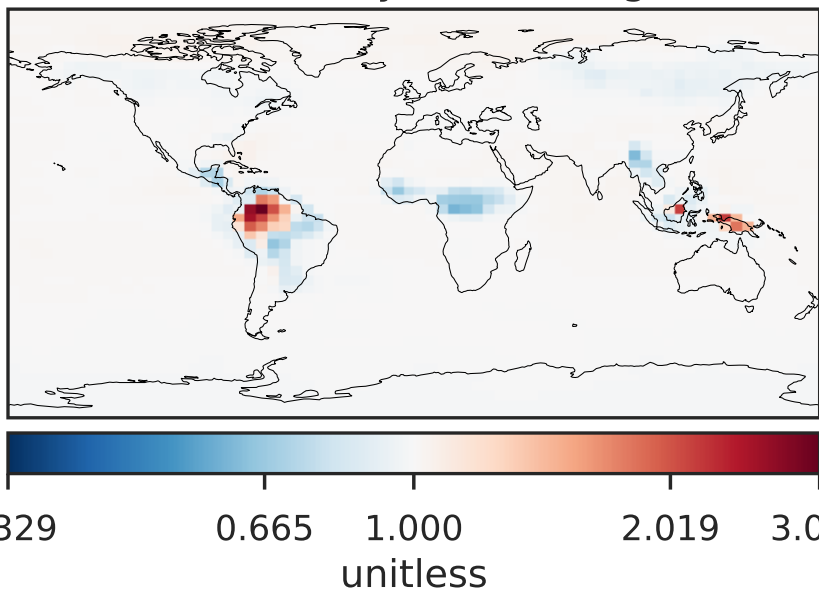
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

