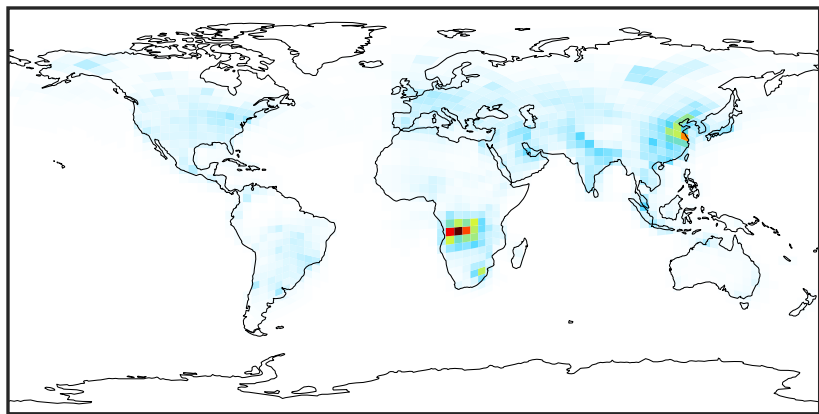


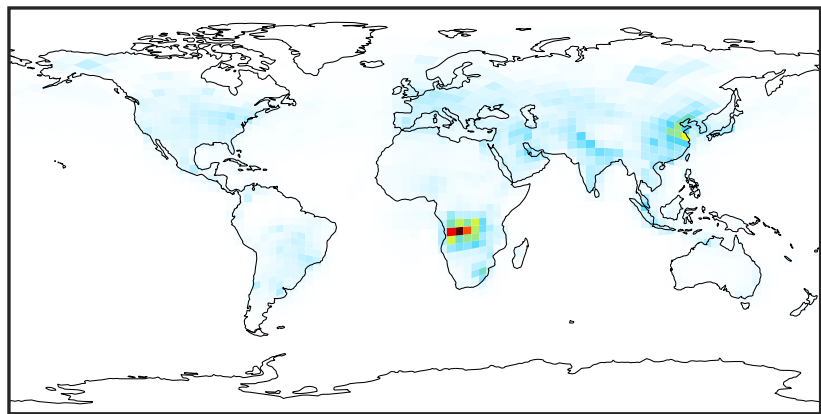
SpeciesConcVV_NOy

gchp-c24-1Mon-14.1.1 (Ref)
c24



0.01 9.73 19.46 29.19 38.93
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



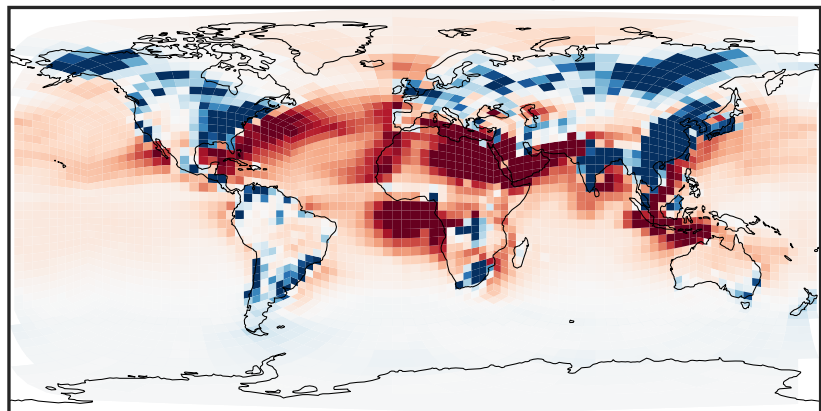
0.01 9.73 19.46 29.19 38.93
ppb

Difference
Dev - Ref, Dynamic Range



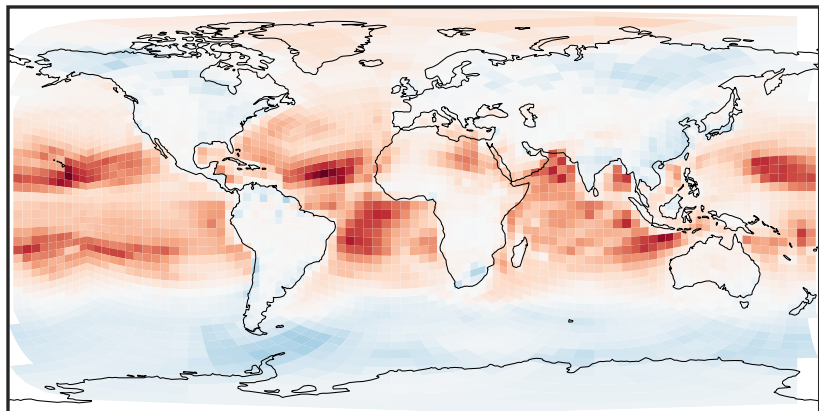
-5.12 -2.56 0.00 2.56 5.12
ppb

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



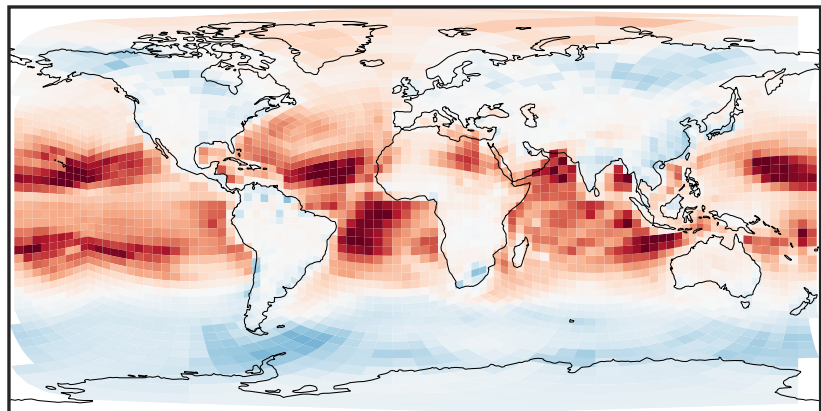
-0.1095 -0.0548 0.0000 0.0548 0.1095
ppb

Ratio
Dev/Ref, Dynamic Range



0.380 0.690 1.000 1.817 2.634
unitless

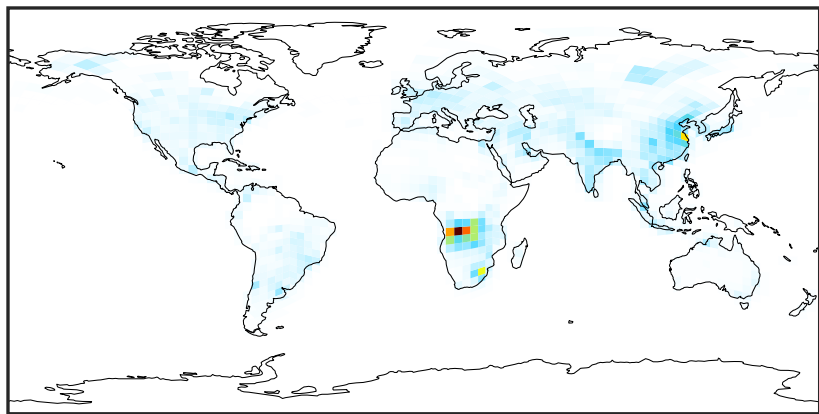
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

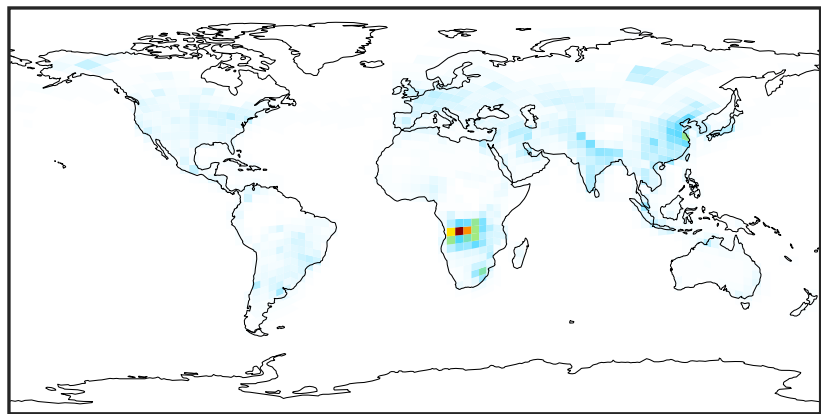
SpeciesConcVV_NOx

gchp-c24-1Mon-14.1.1 (Ref)
c24



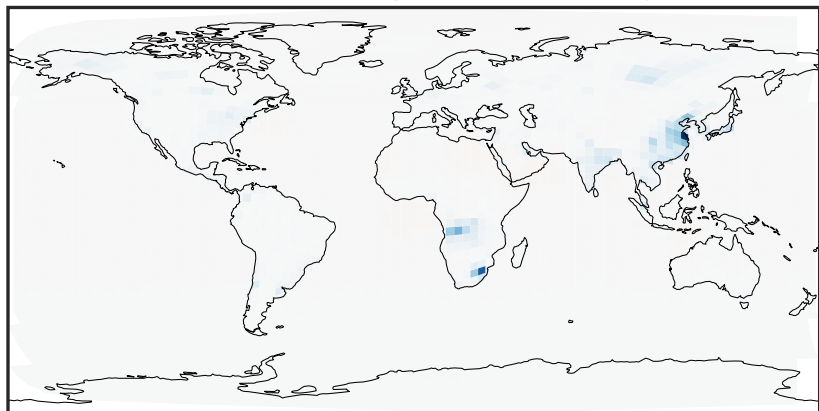
0.00 7.43 14.85 22.28 29.70
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



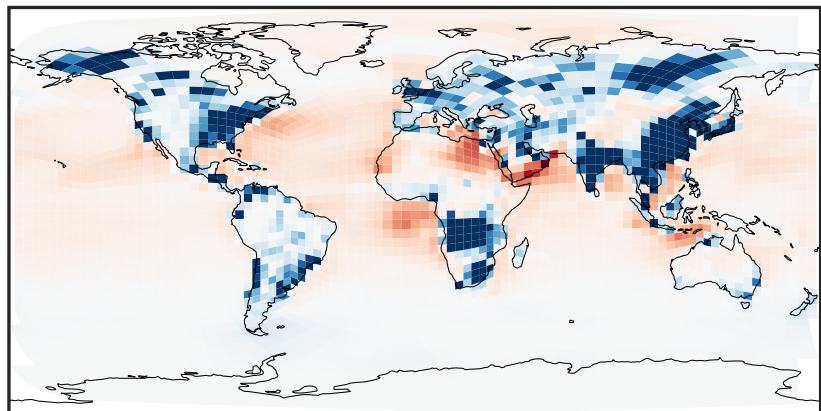
0.00 7.43 14.85 22.28 29.70
ppb

Difference
Dev - Ref, Dynamic Range



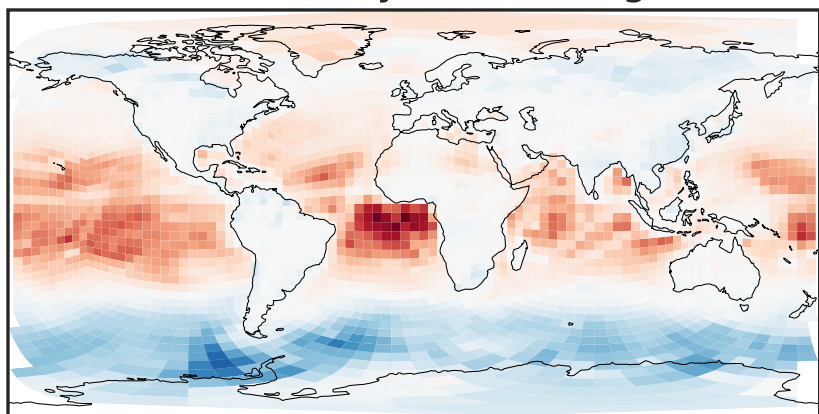
-5.05 -2.53 0.00 2.53 5.05
ppb

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



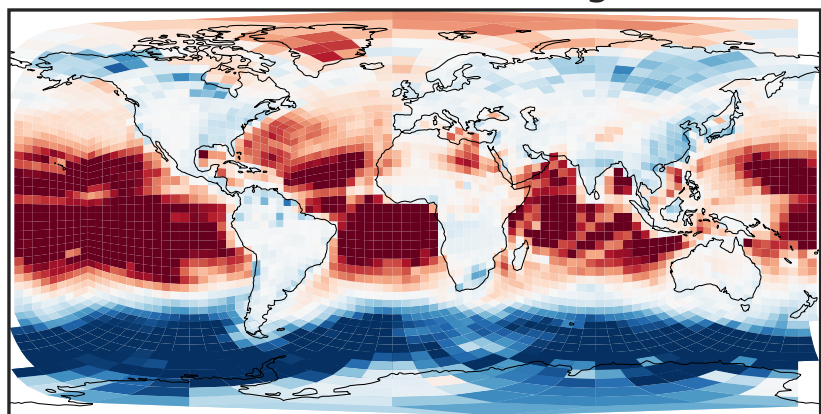
-0.1372 -0.0686 0.0000 0.0686 0.1372
ppb

Ratio
Dev/Ref, Dynamic Range



0.101 0.551 1.000 5.440 9.880
unitless

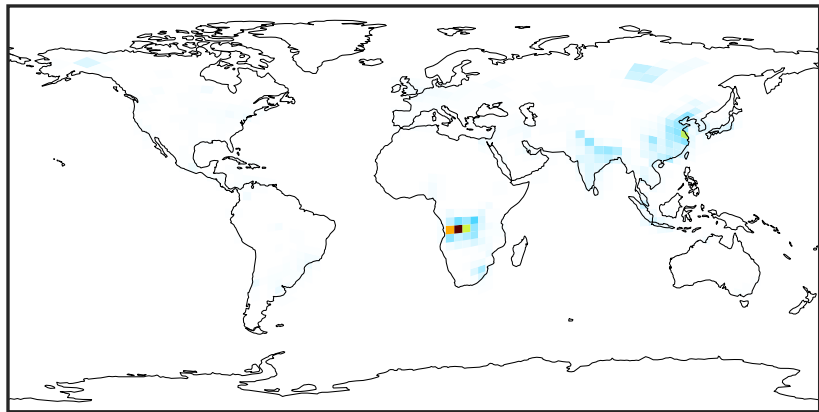
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

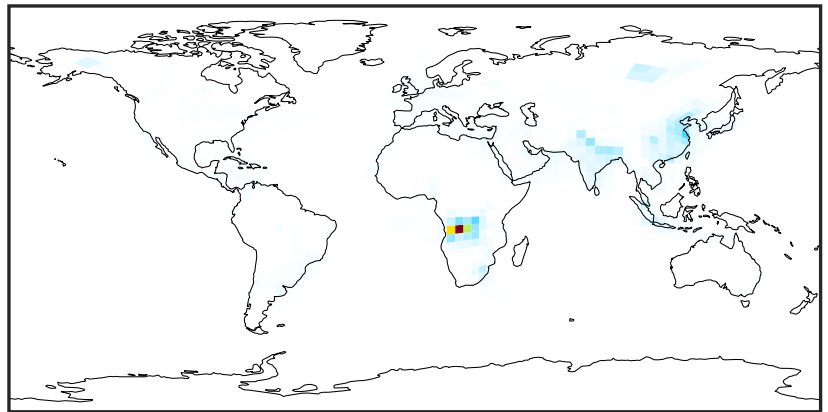
SpeciesConcVV_HNO2

gchp-c24-1Mon-14.1.1 (Ref)
c24



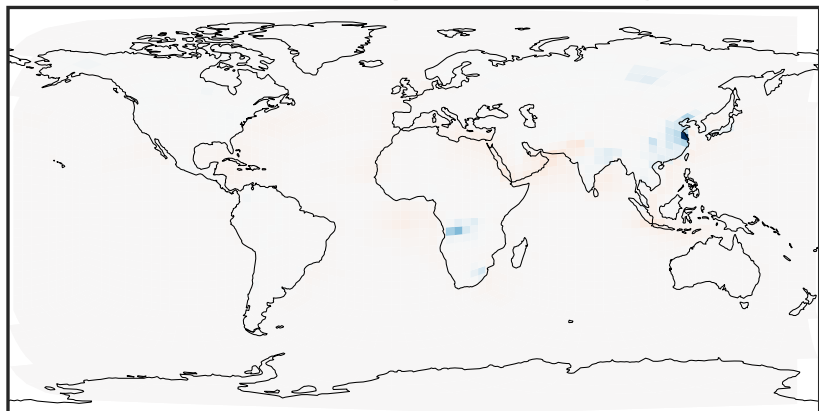
0.0000 0.1605 0.3210 0.4815 0.6420
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



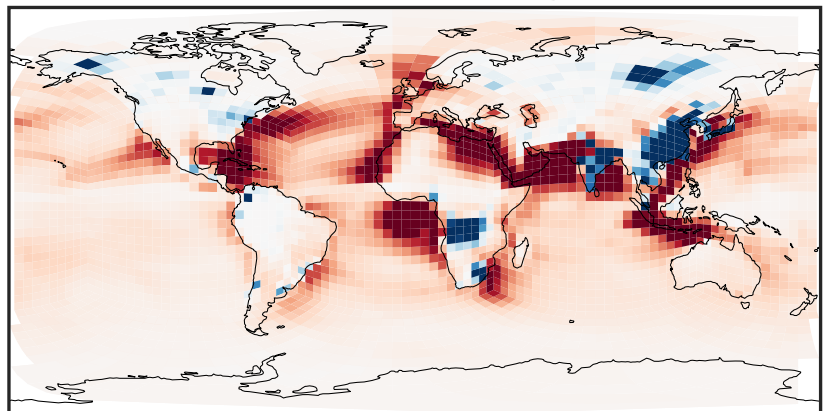
0.0000 0.1605 0.3210 0.4815 0.6420
ppb

Difference
Dev - Ref, Dynamic Range



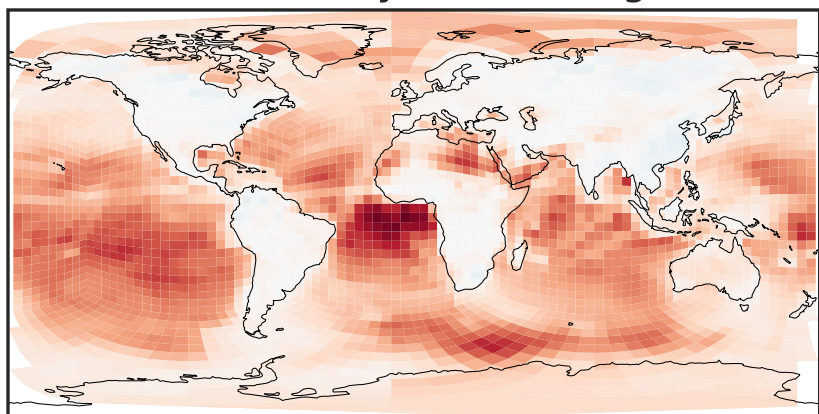
-0.1013 -0.0506 0.0000 0.0506 0.1013
ppb

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



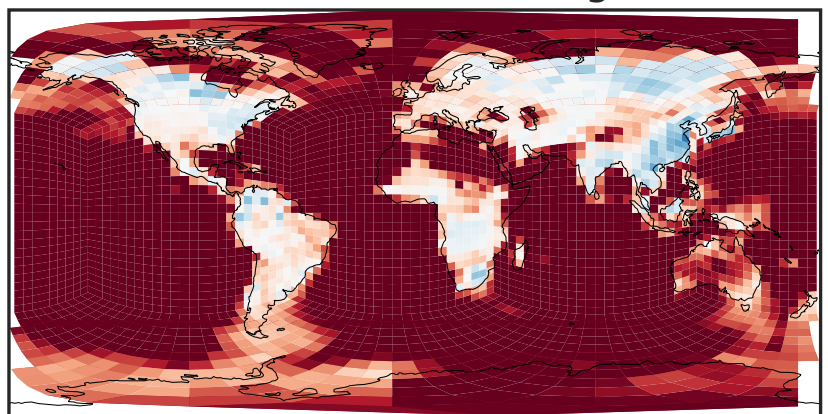
-0.0015 0.0000 0.0015
ppb

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

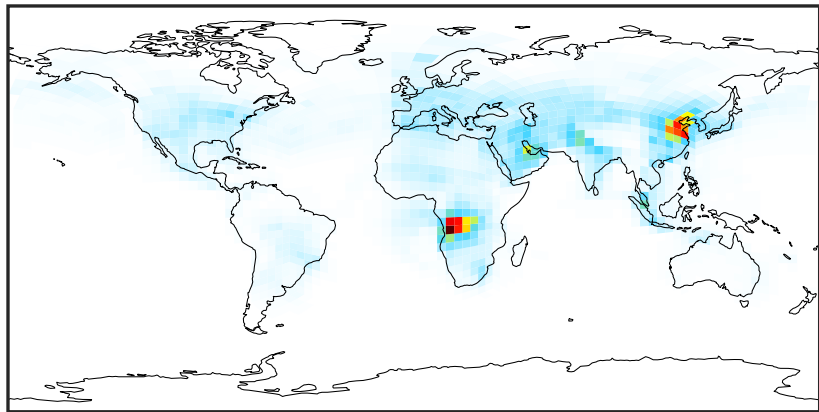
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

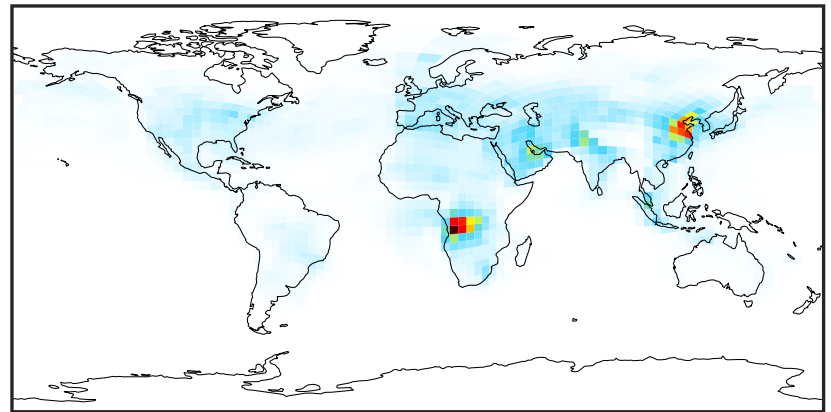
SpeciesConcVV_HNO3

gchp-c24-1Mon-14.1.1 (Ref)
c24



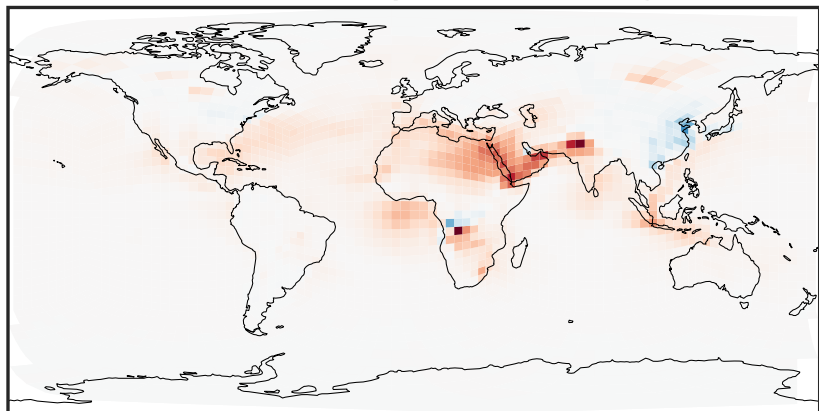
0.000 2.269 4.539 6.808 9.077
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



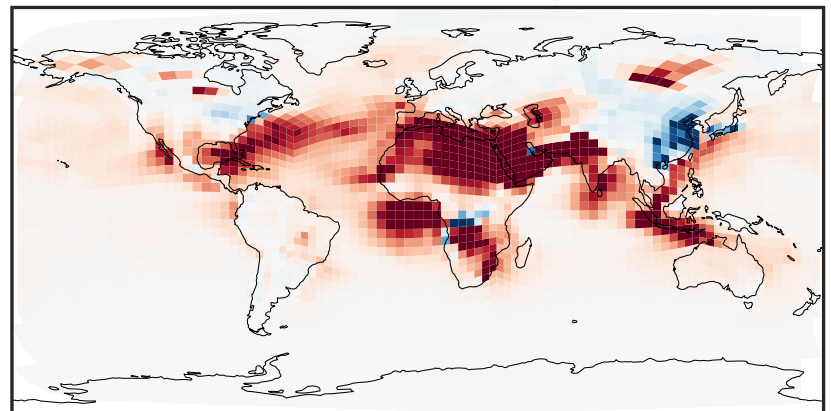
0.000 2.269 4.539 6.808 9.077
ppb

Difference
Dev - Ref, Dynamic Range



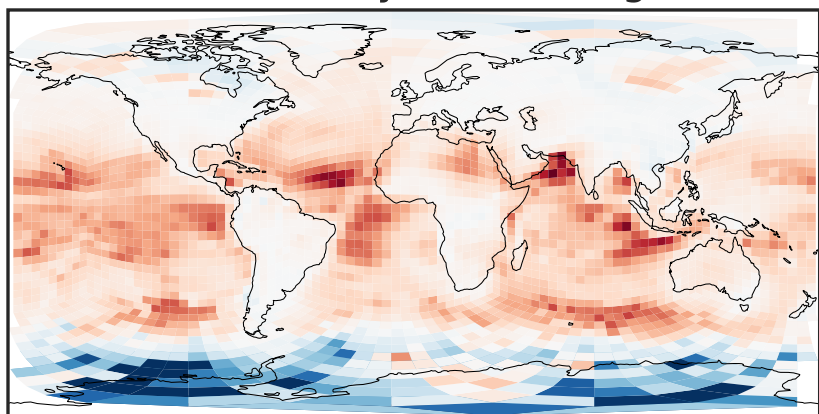
-0.4237 -0.2119 0.0000 0.2119 0.4237
ppb

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



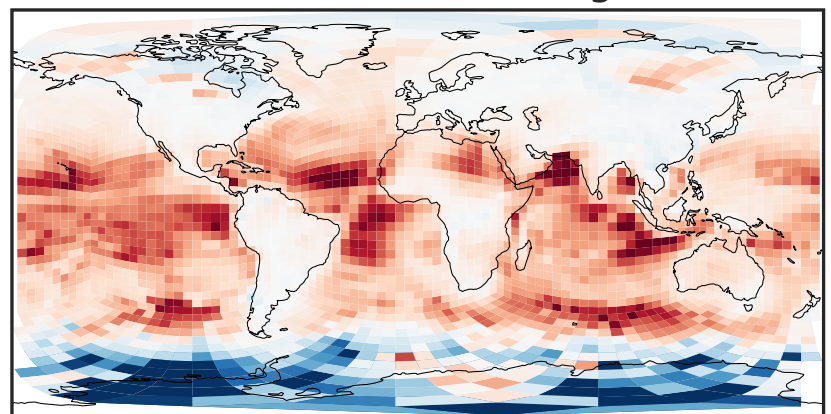
-0.0723 -0.0361 0.0000 0.0361 0.0723
ppb

Ratio
Dev/Ref, Dynamic Range



0.361 0.681 1.000 1.883 2.767
unitless

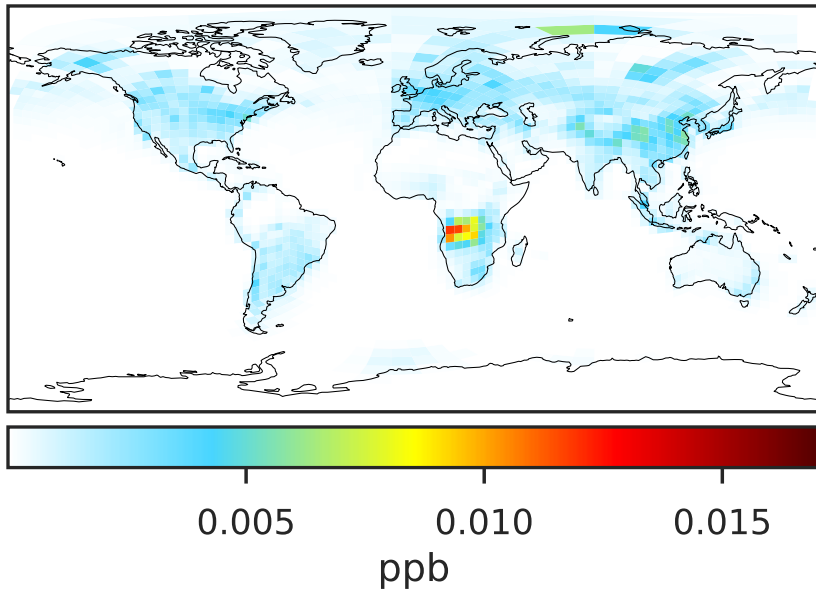
Ratio
Dev/Ref, Fixed Range



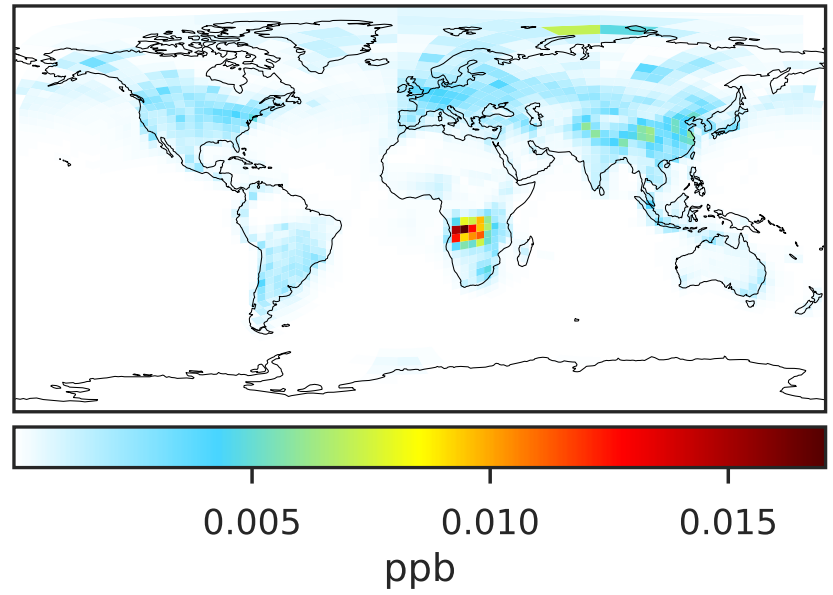
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HNO4

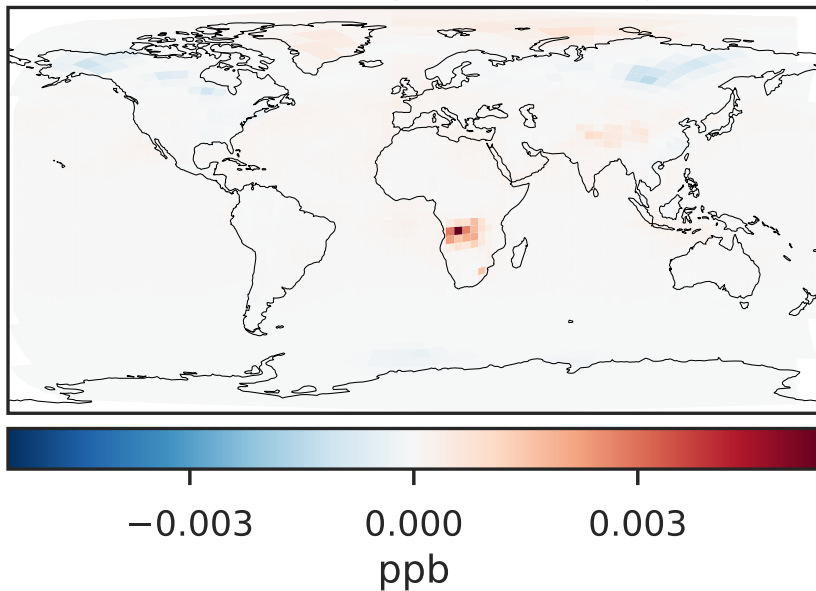
gchp-c24-1Mon-14.1.1 (Ref)
c24



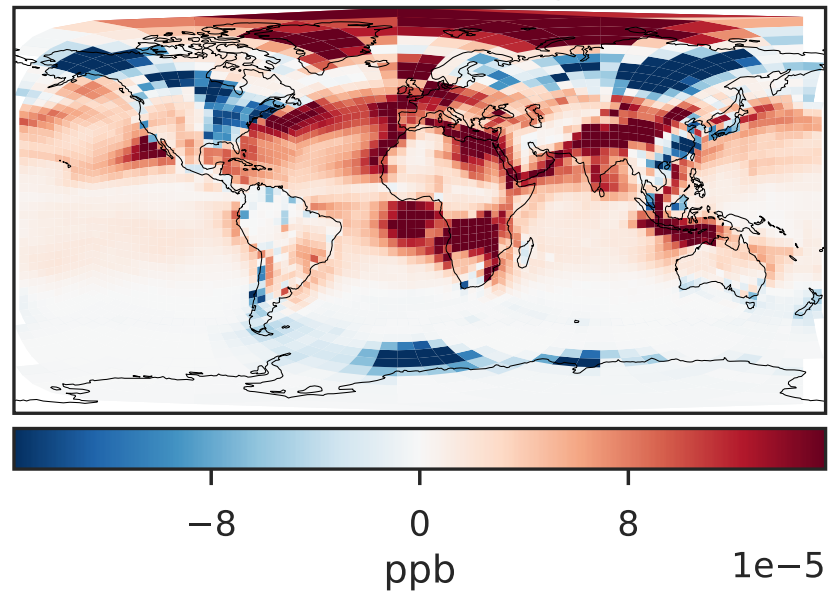
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



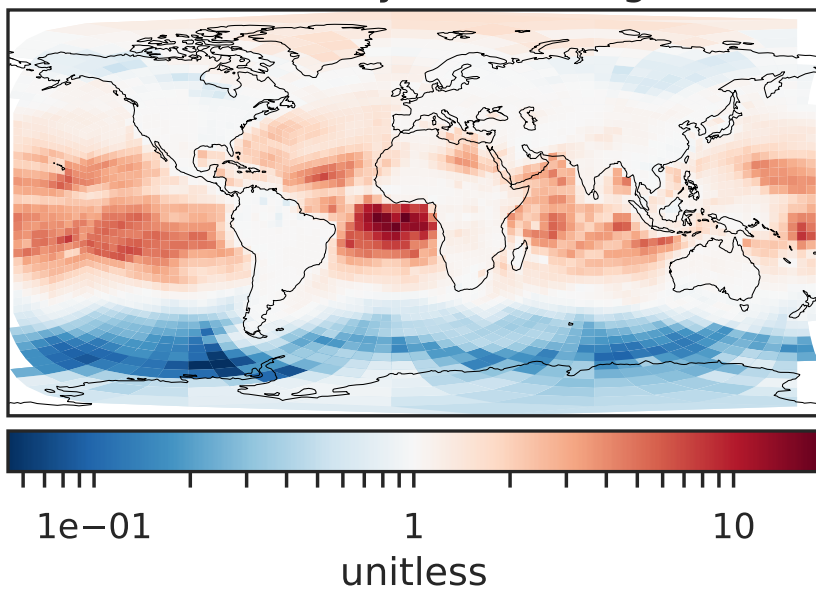
Difference
Dev - Ref, Dynamic Range



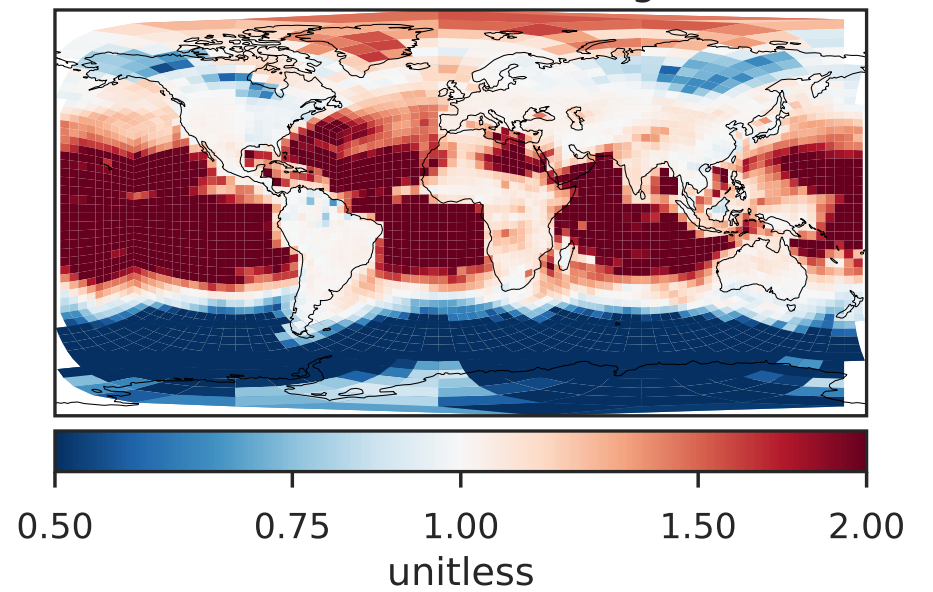
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

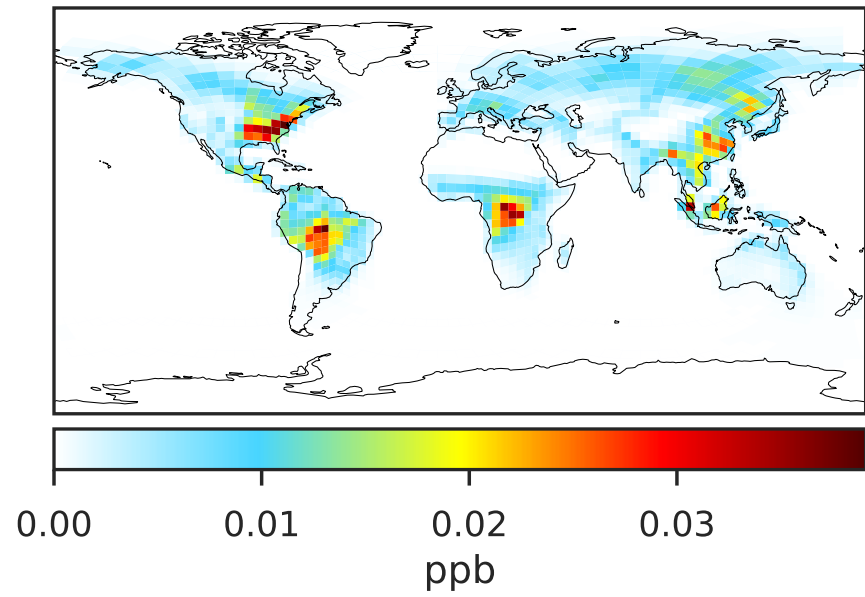


Ratio
Dev/Ref, Fixed Range

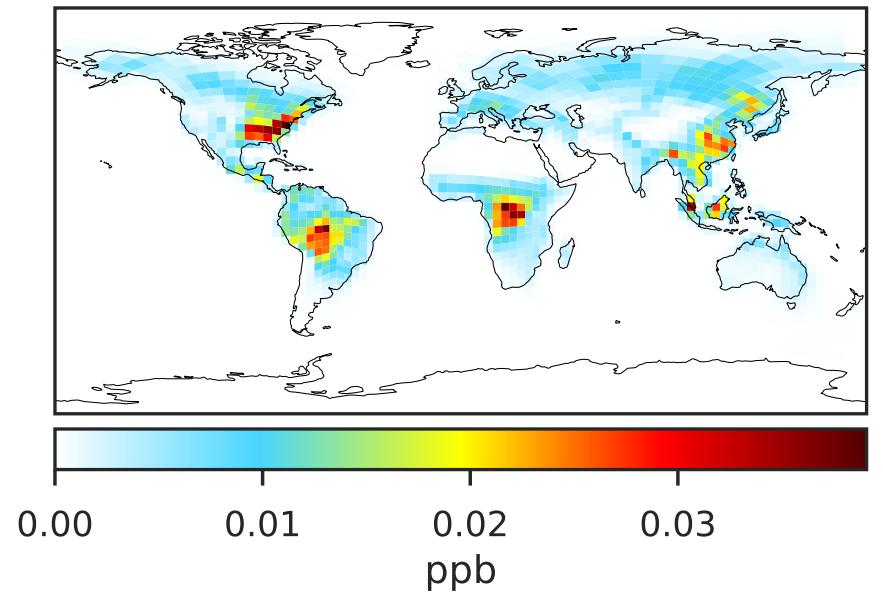


SpeciesConcVV_MPAN

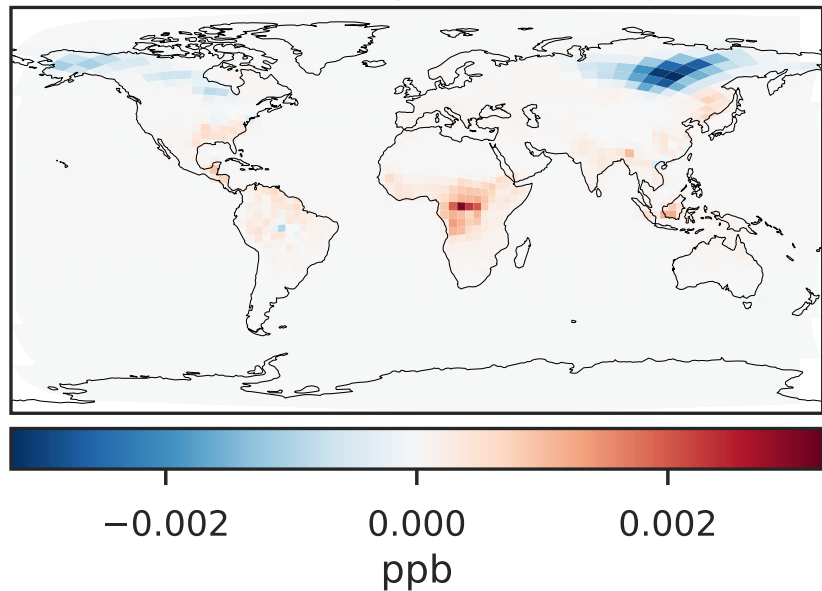
gchp-c24-1Mon-14.1.1 (Ref)
c24



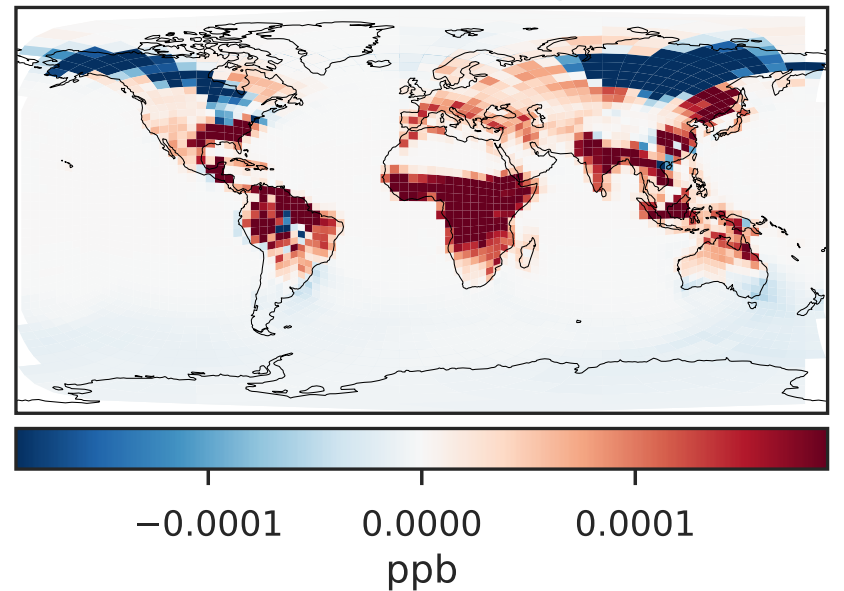
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



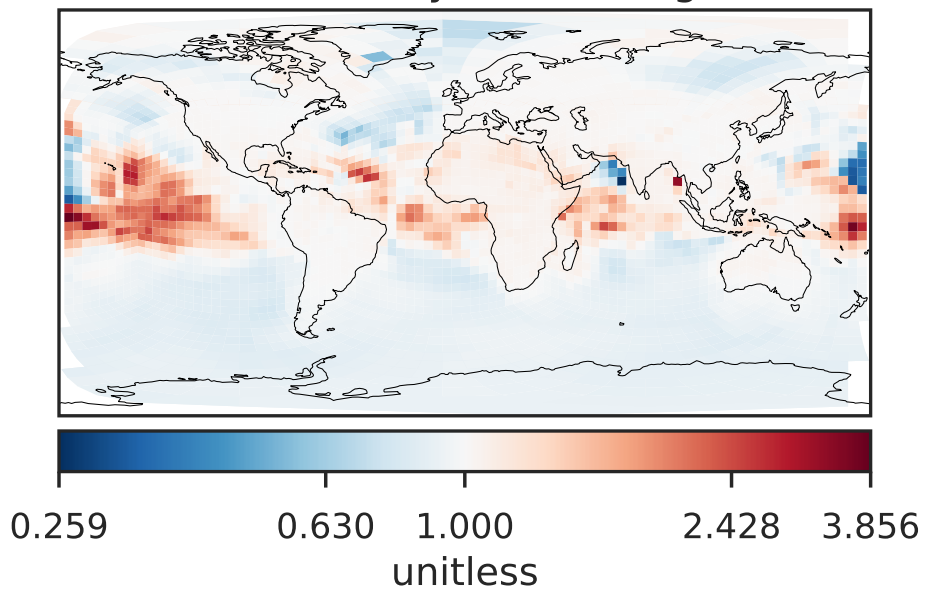
Difference
Dev - Ref, Dynamic Range



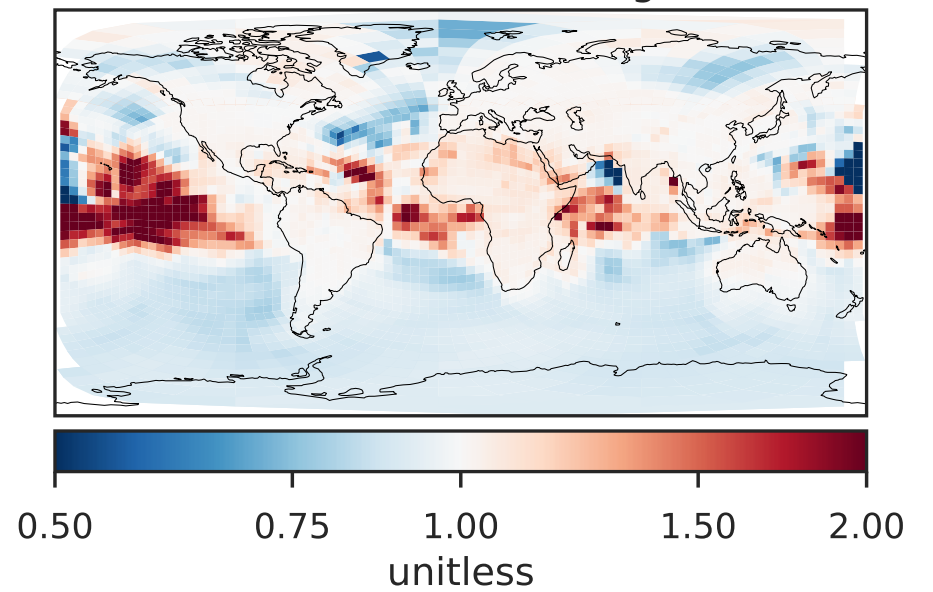
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

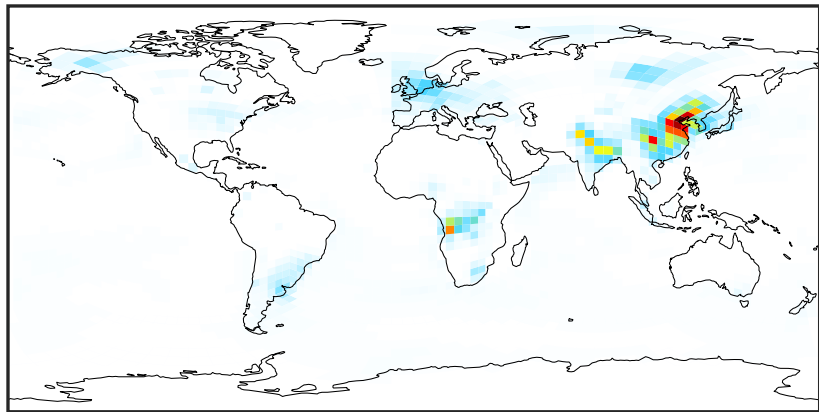


Ratio
Dev/Ref, Fixed Range



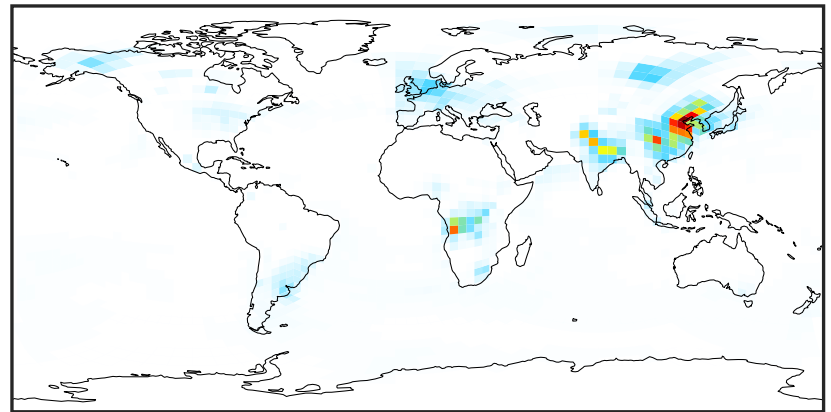
SpeciesConcVV_NIT

gchp-c24-1Mon-14.1.1 (Ref)
c24



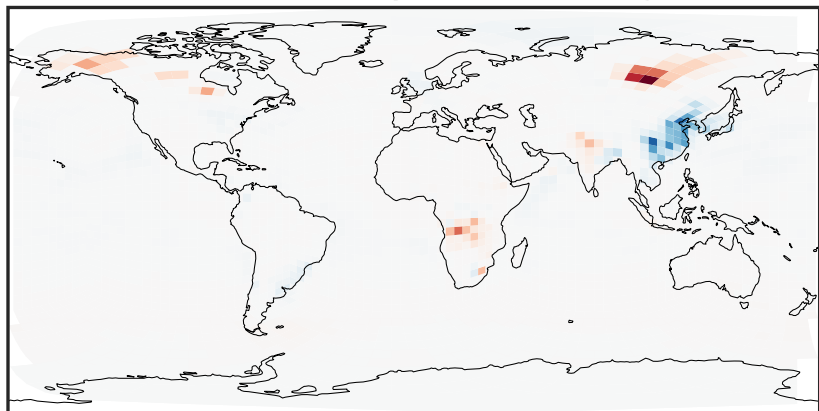
0.000 1.179 2.358 3.536 4.715
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



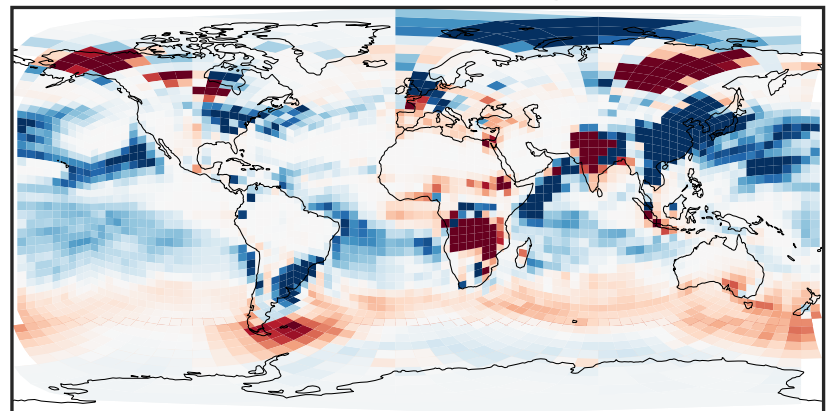
0.000 1.179 2.358 3.536 4.715
ppb

Difference
Dev - Ref, Dynamic Range



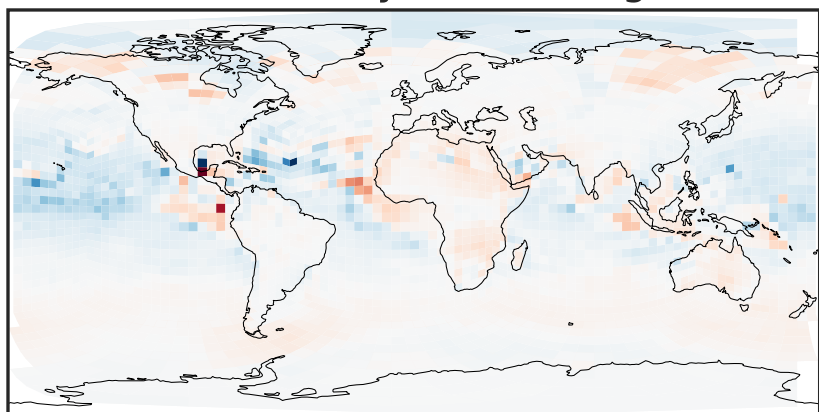
-0.4092 -0.2046 0.0000 0.2046 0.4092
ppb

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



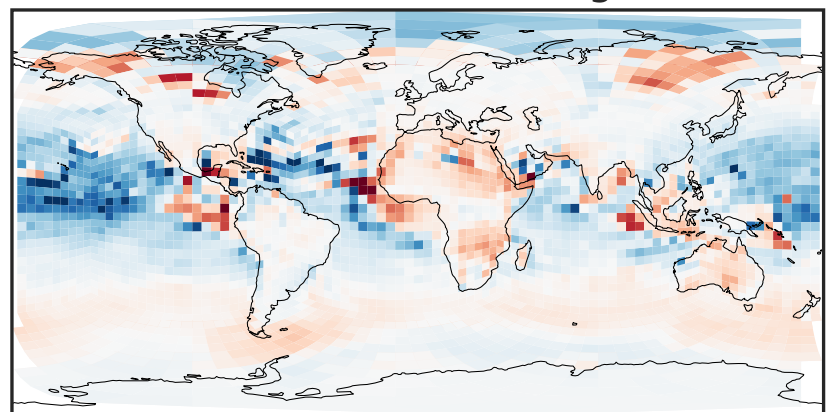
-0.004 0.000 0.004
ppb

Ratio
Dev/Ref, Dynamic Range



0.146 0.573 1.000 3.925 6.850
unitless

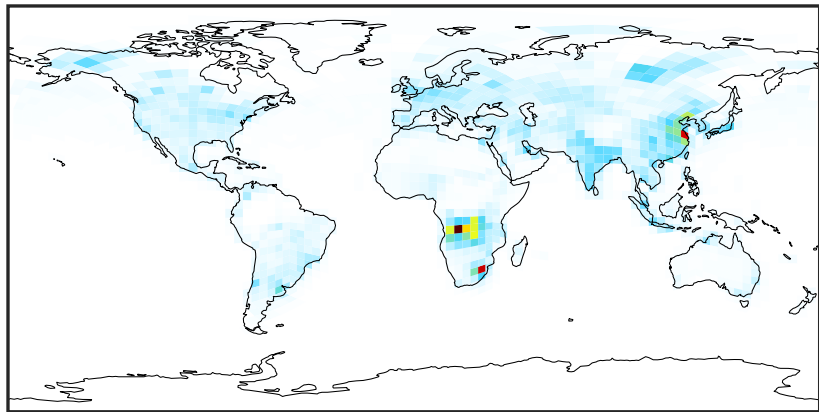
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

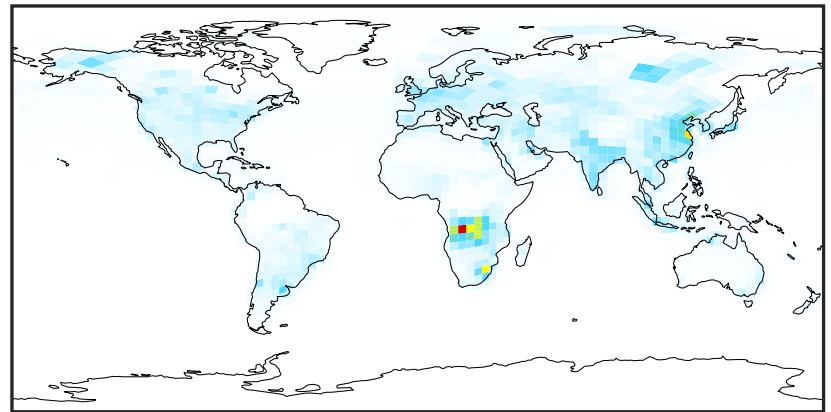
SpeciesConcVV_NO

gchp-c24-1Mon-14.1.1 (Ref)
c24



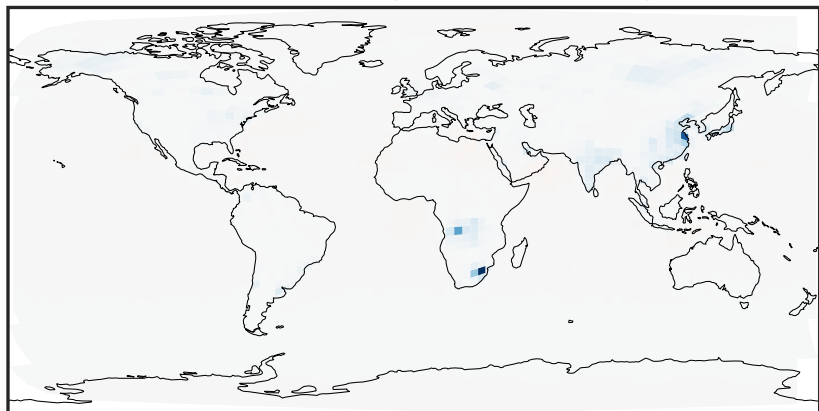
0.000 0.362 0.725 1.087 1.450
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



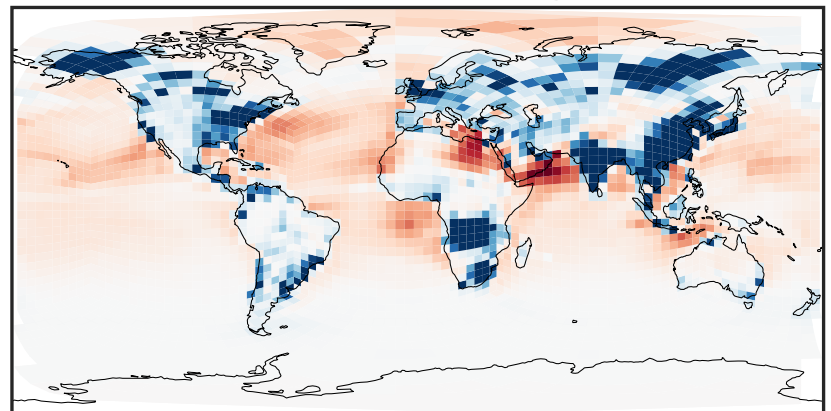
0.000 0.362 0.725 1.087 1.450
ppb

Difference
Dev - Ref, Dynamic Range



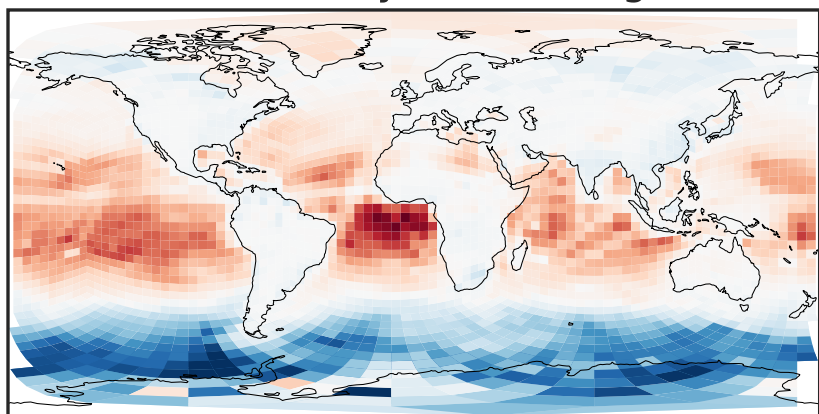
-0.4774 -0.2387 0.0000 0.2387 0.4774
ppb

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



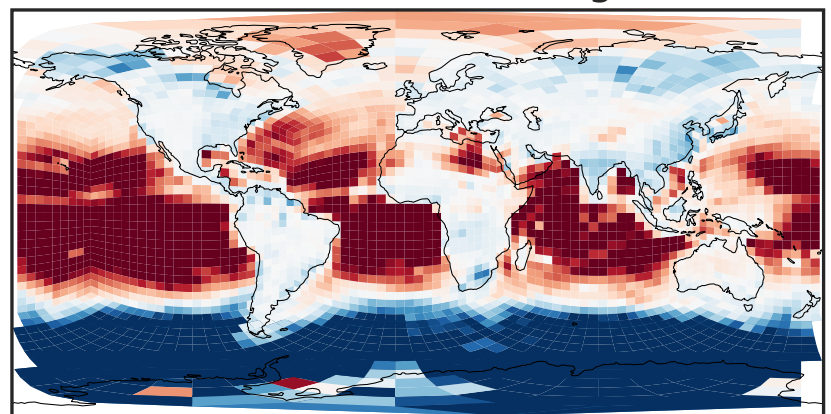
-0.006 0.000 0.006
ppb

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

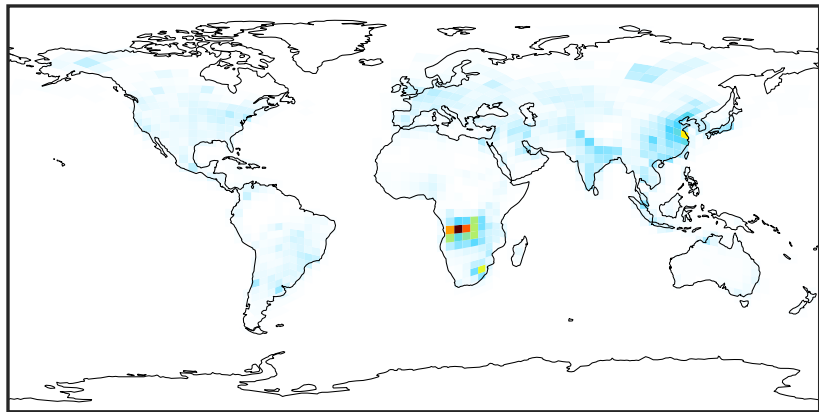
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

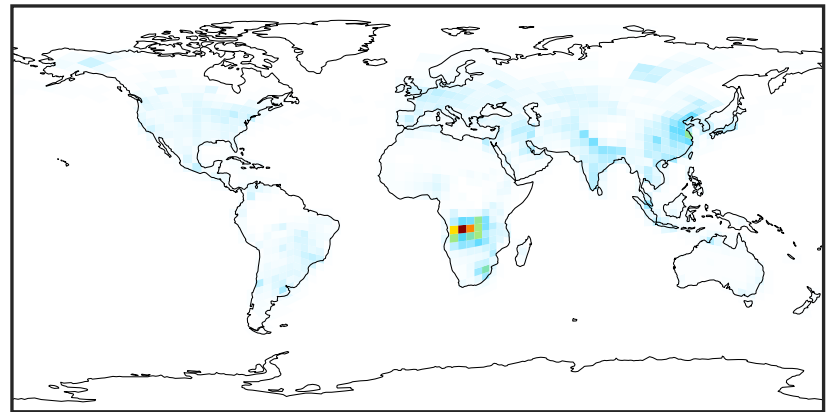
SpeciesConcVV_NO2

gchp-c24-1Mon-14.1.1 (Ref)
c24



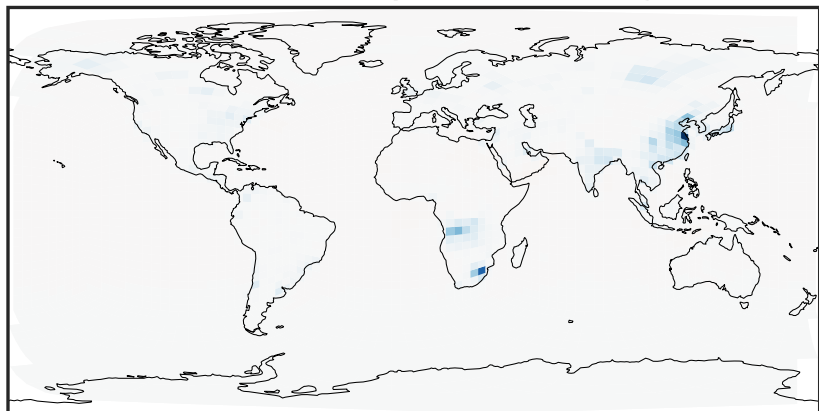
0.00 6.89 13.79 20.68 27.57
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



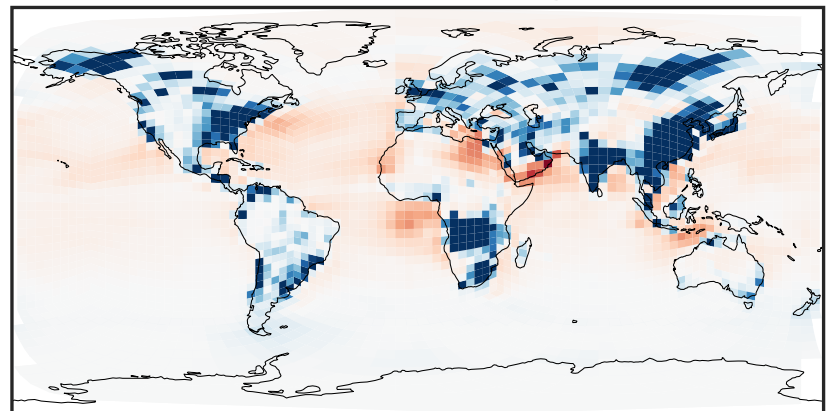
0.00 6.89 13.79 20.68 27.57
ppb

Difference
Dev - Ref, Dynamic Range



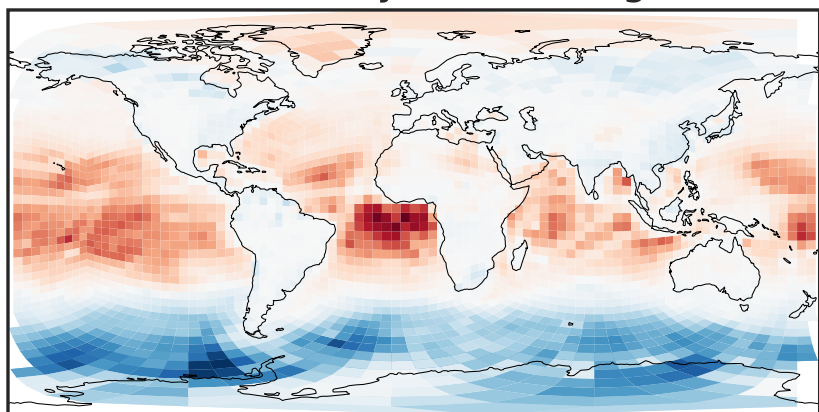
-4.552 -2.276 0.000 2.276 4.552
ppb

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



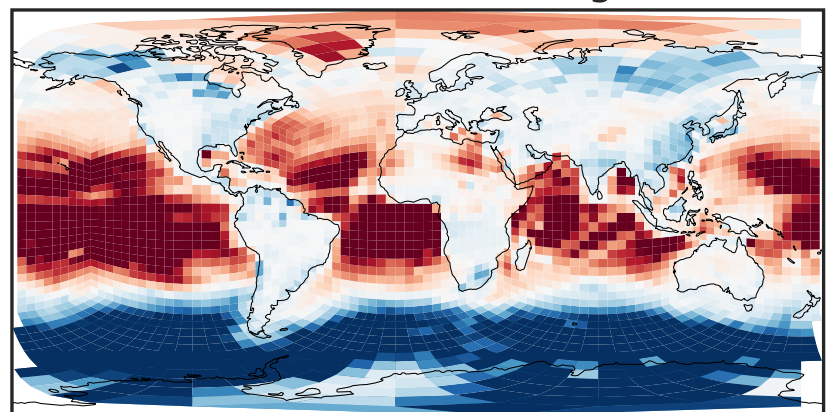
-0.1270 -0.0635 0.0000 0.0635 0.1270
ppb

Ratio
Dev/Ref, Dynamic Range



0.110 0.555 1.000 5.056 9.111
unitless

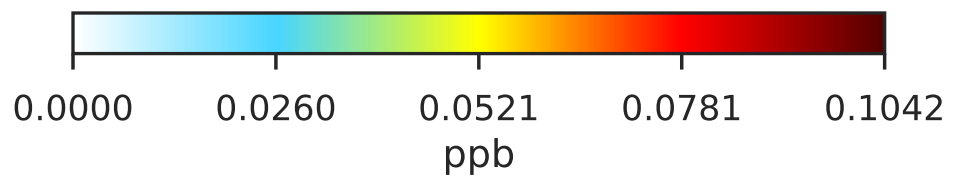
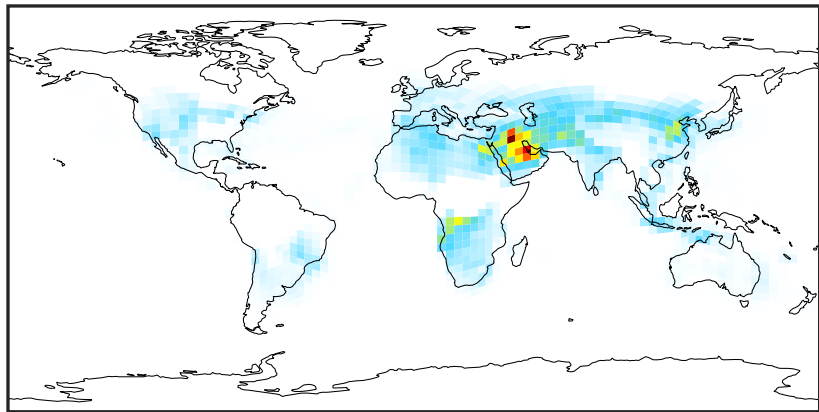
Ratio
Dev/Ref, Fixed Range



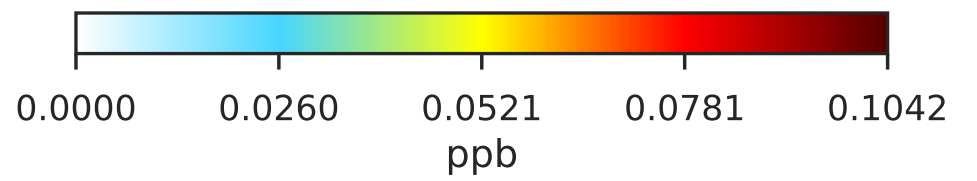
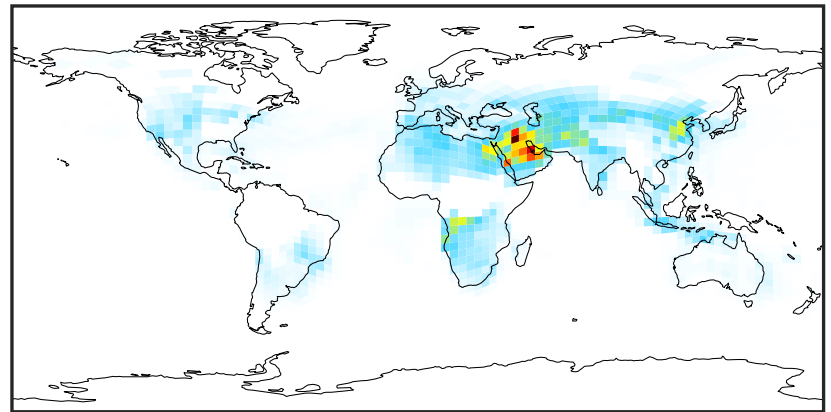
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_NO3

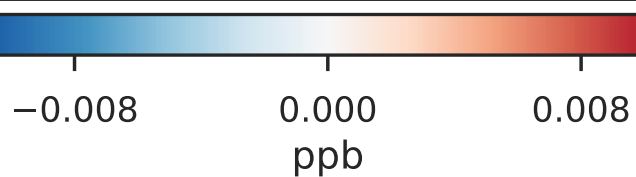
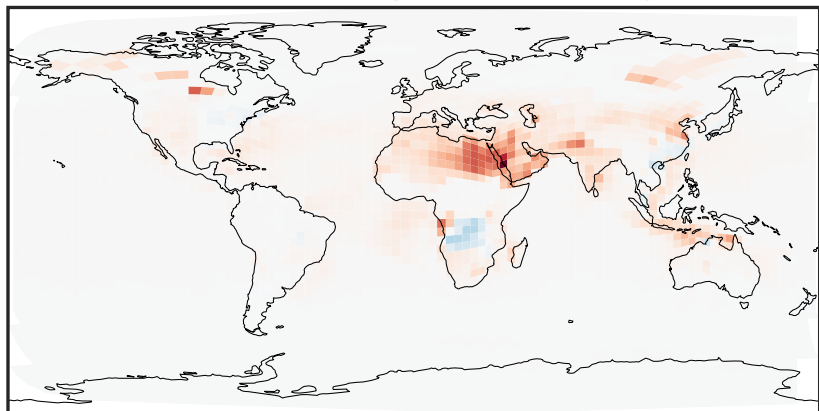
gchp-c24-1Mon-14.1.1 (Ref)
c24



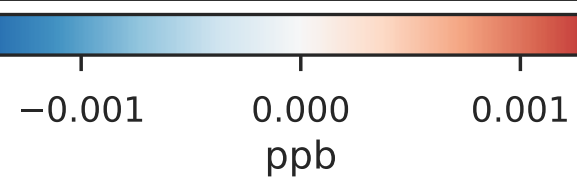
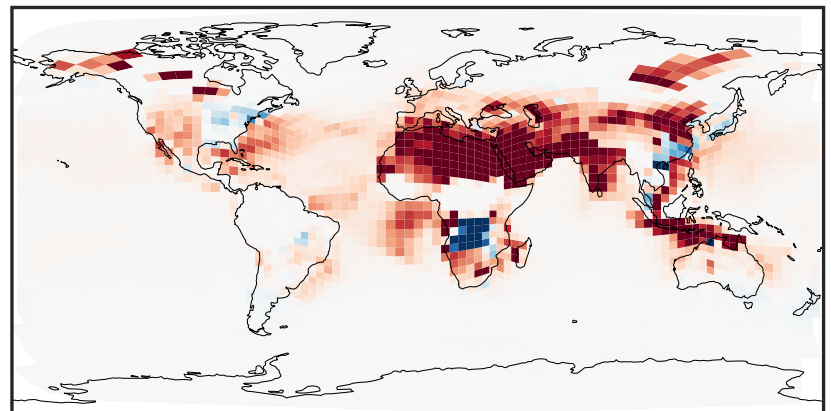
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



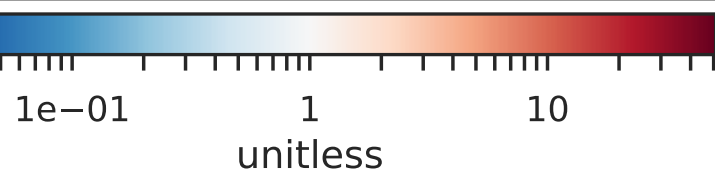
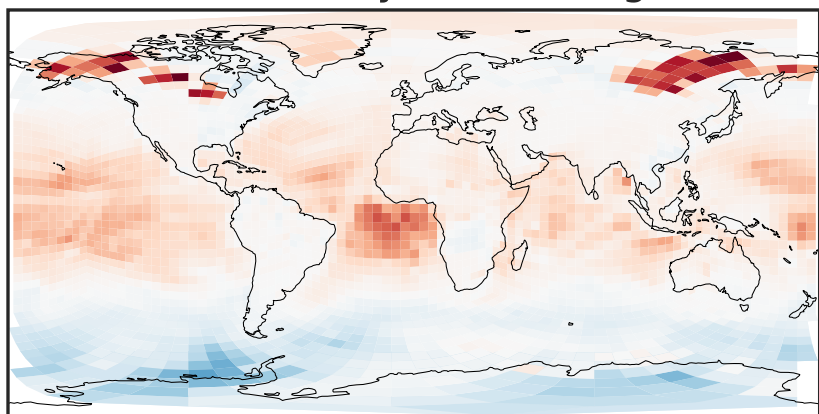
Difference
Dev - Ref, Dynamic Range



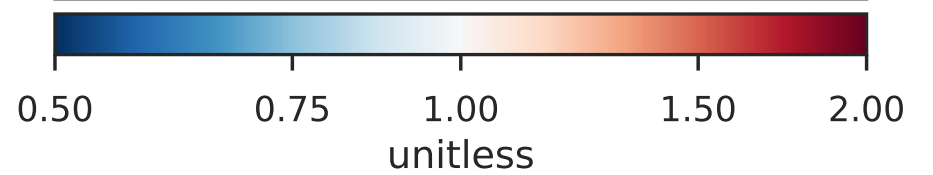
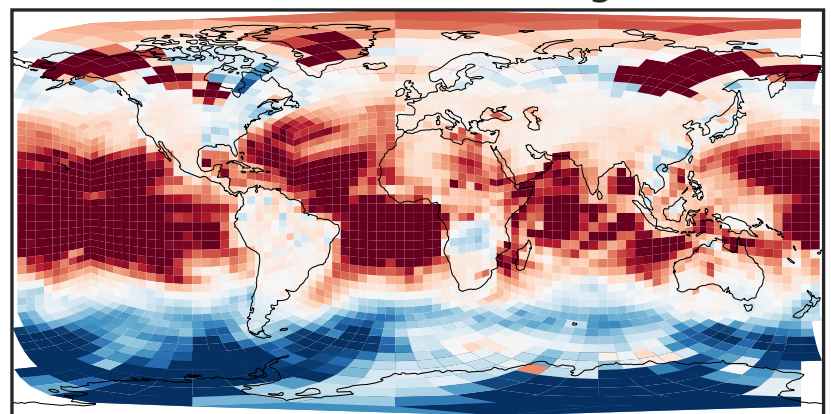
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

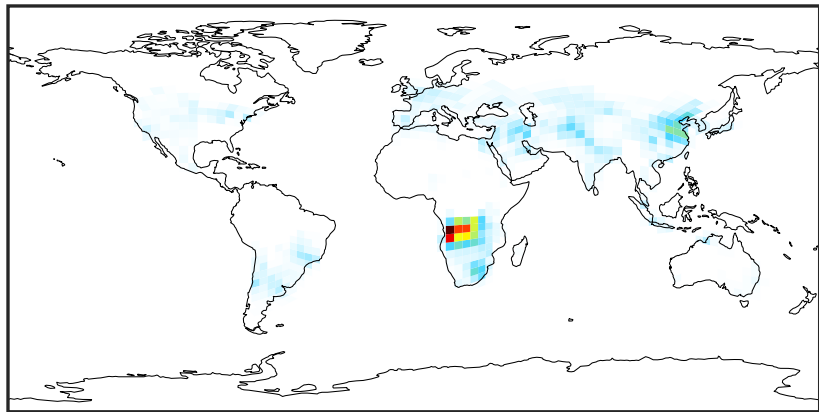


Ratio
Dev/Ref, Fixed Range



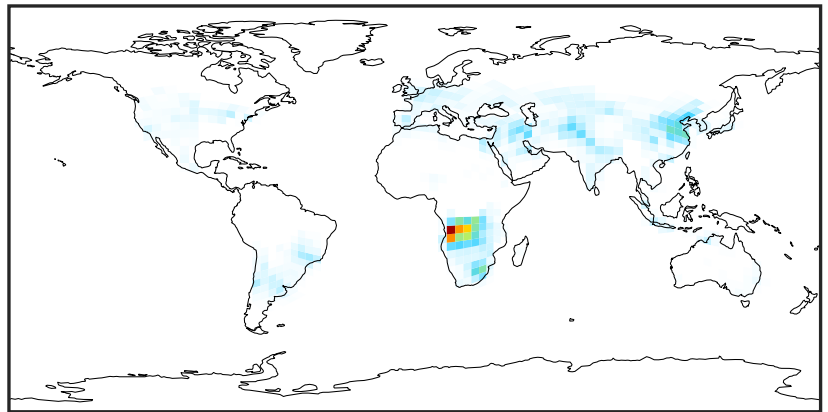
SpeciesConcVV_N2O5

gchp-c24-1Mon-14.1.1 (Ref)
c24



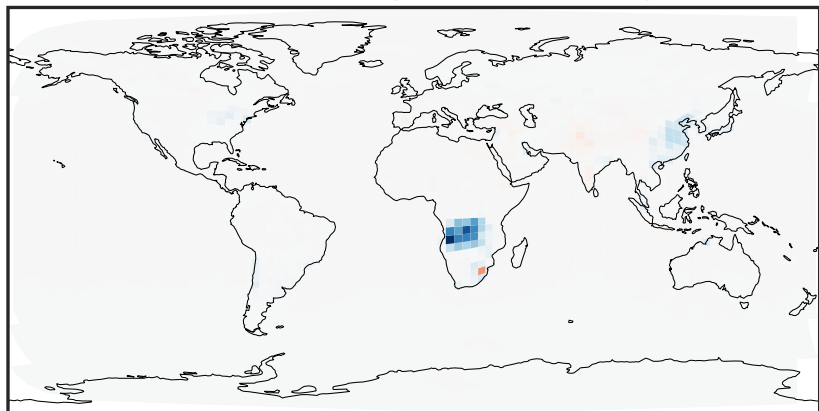
0.0000 0.1934 0.3867 0.5801 0.7735
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



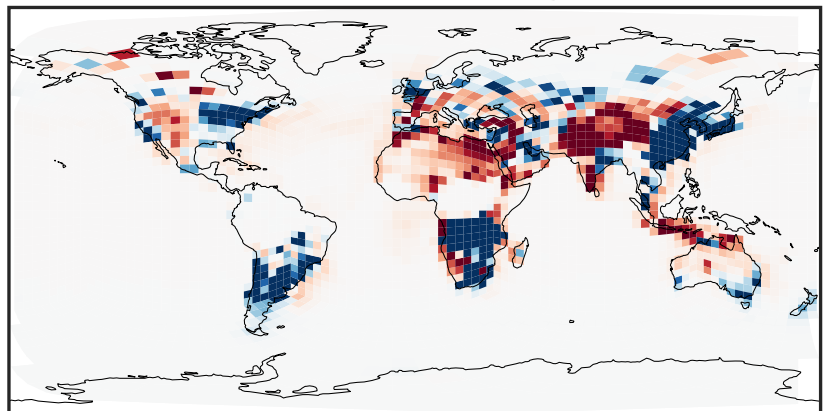
0.0000 0.1934 0.3867 0.5801 0.7735
ppb

Difference
Dev - Ref, Dynamic Range



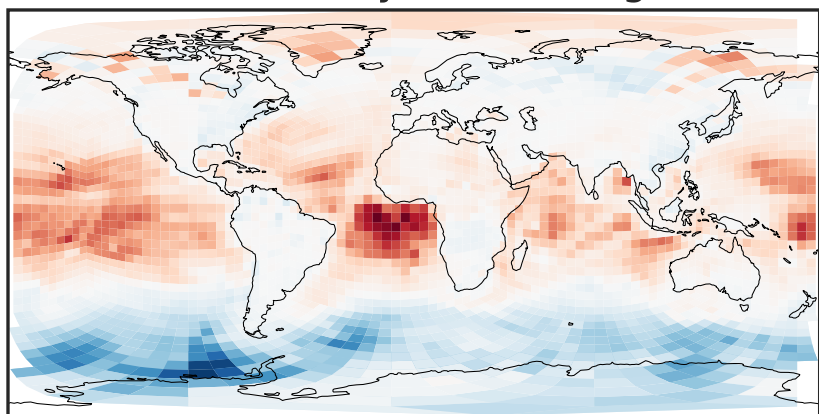
-0.1298 -0.0649 0.0000 0.0649 0.1298
ppb

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



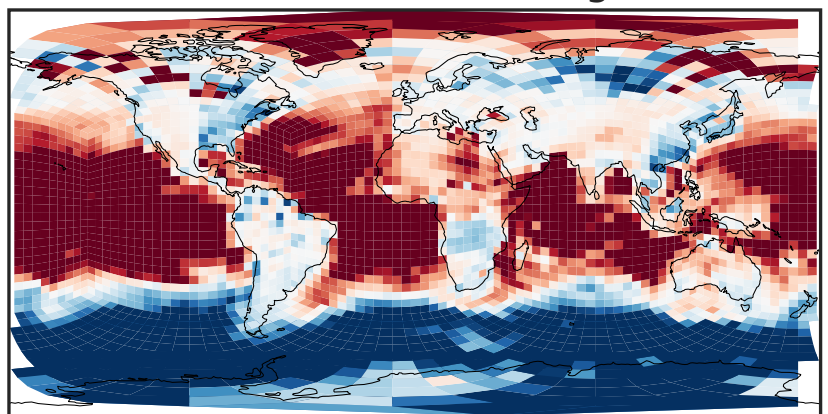
-0.0008 0.0000 0.0008
ppb

Ratio
Dev/Ref, Dynamic Range



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

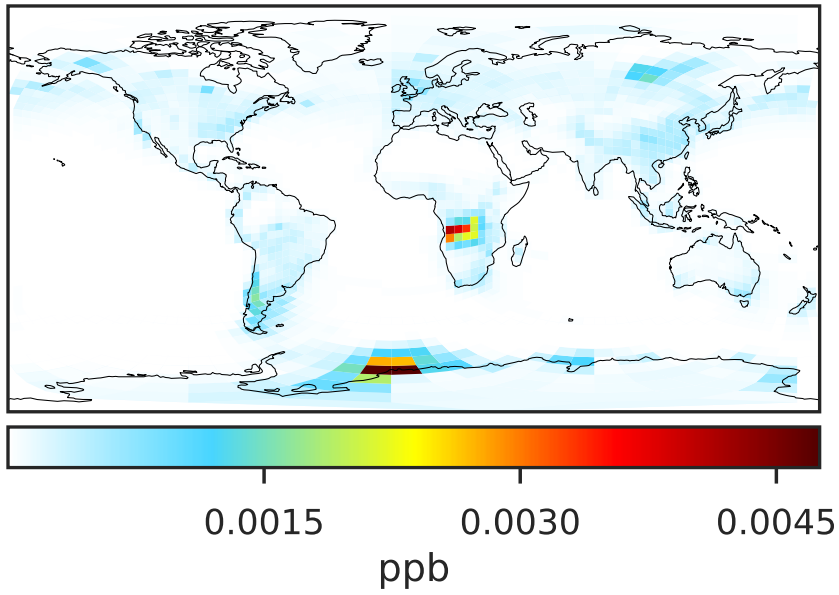
Ratio
Dev/Ref, Fixed Range



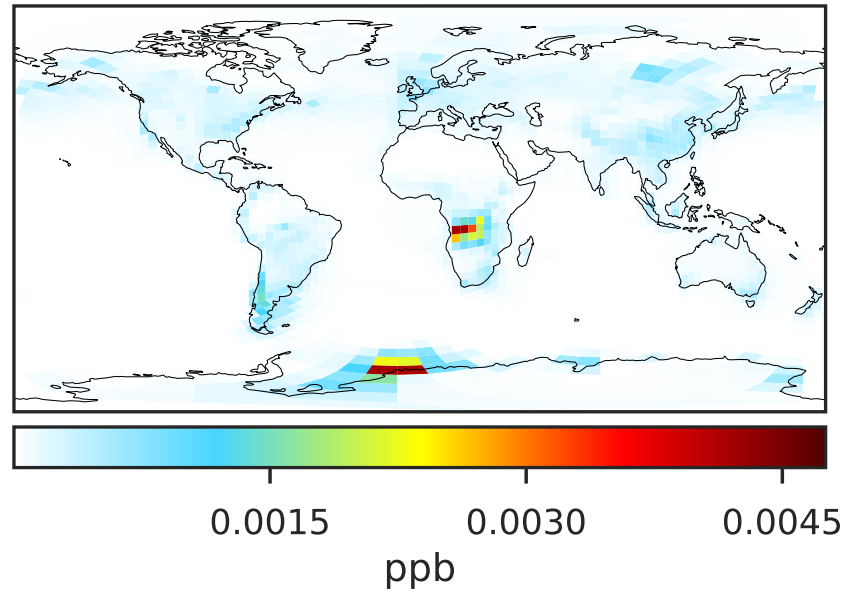
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_MPN

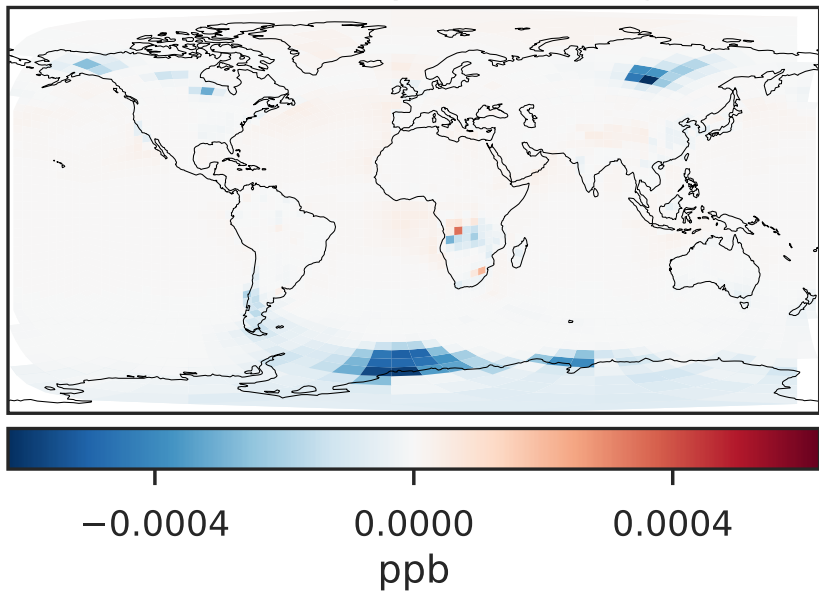
gchp-c24-1Mon-14.1.1 (Ref)
c24



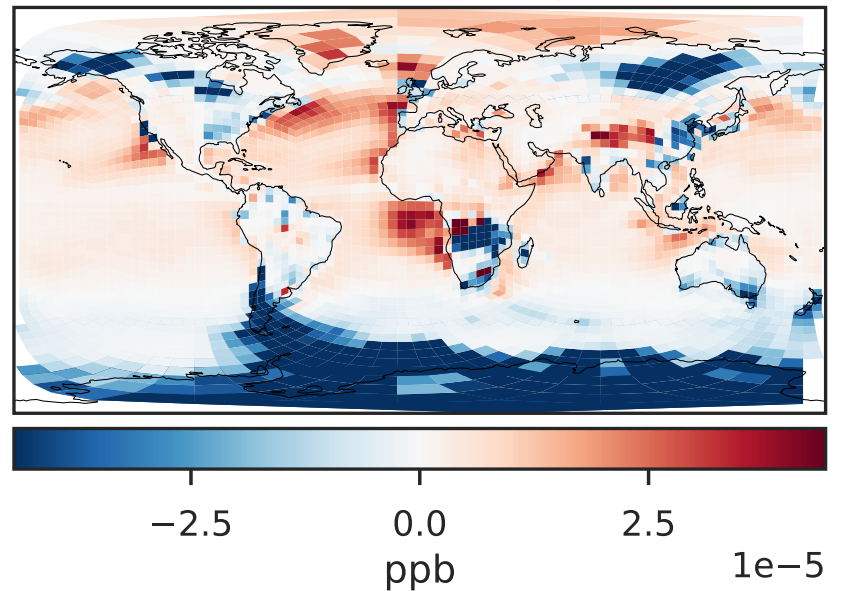
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



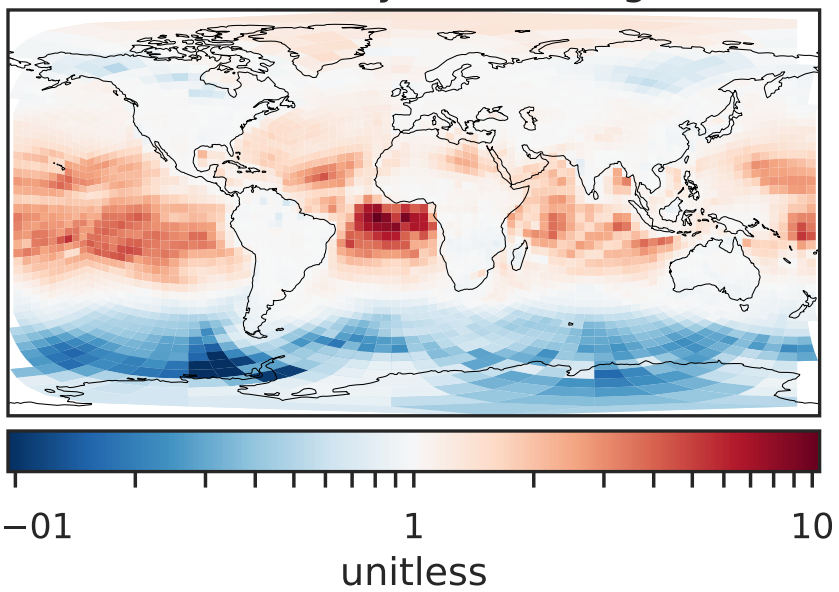
Difference
Dev - Ref, Dynamic Range



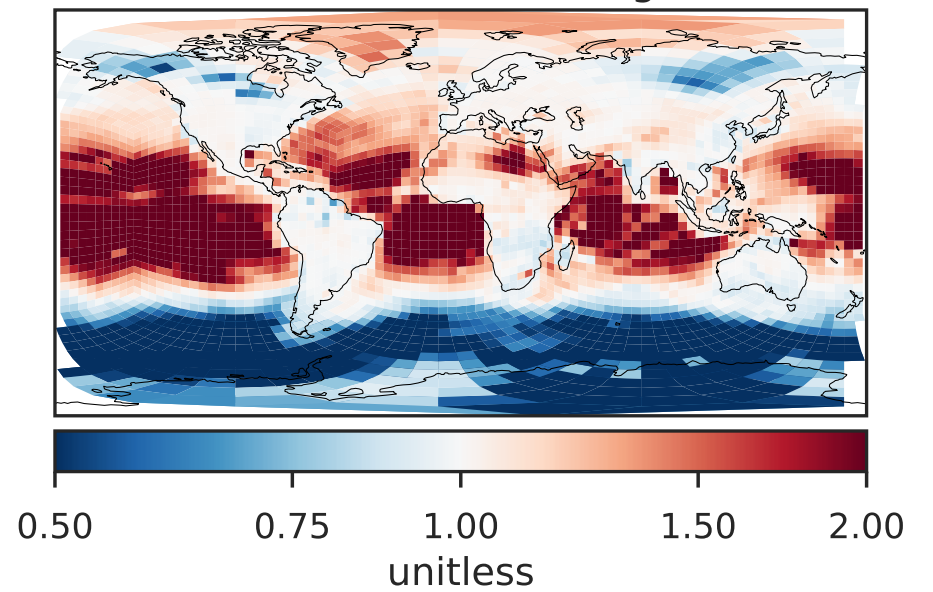
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

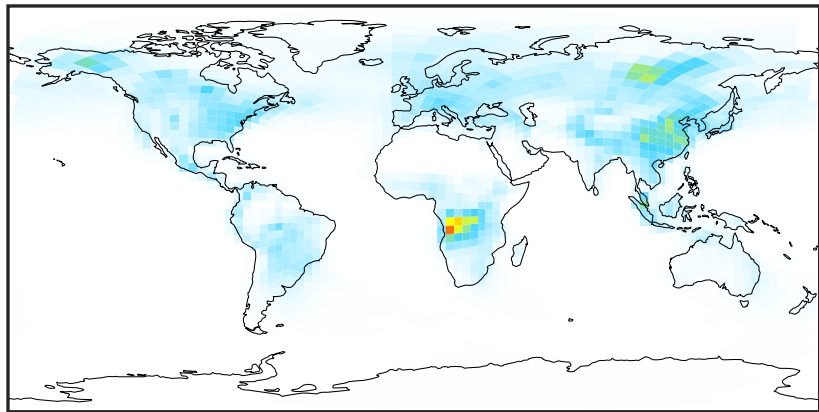


Ratio
Dev/Ref, Fixed Range



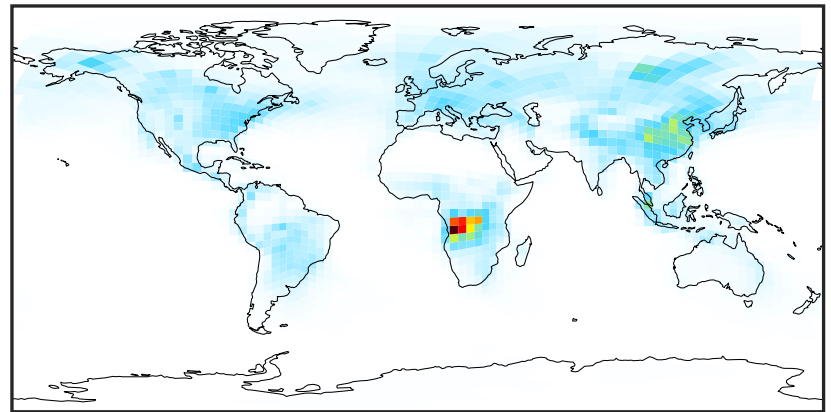
SpeciesConcVV_PAN

gchp-c24-1Mon-14.1.1 (Ref)
c24



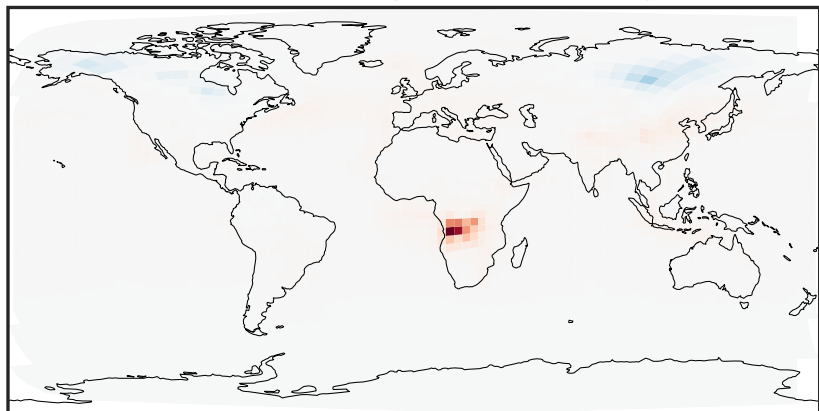
0.000 0.569 1.138 1.707 2.276
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



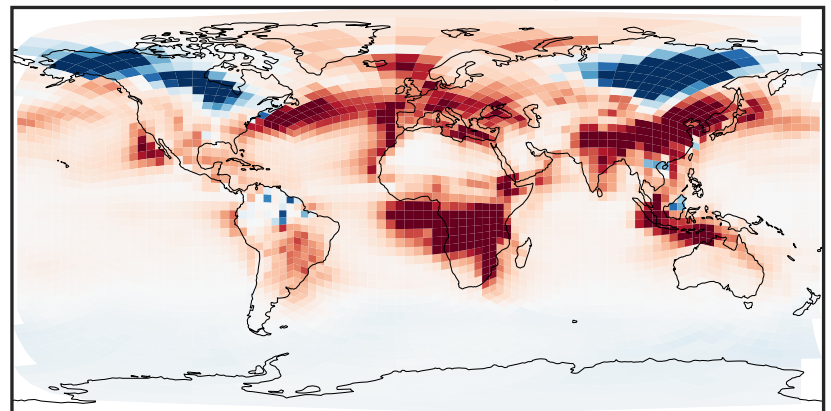
0.000 0.569 1.138 1.707 2.276
ppb

Difference
Dev - Ref, Dynamic Range



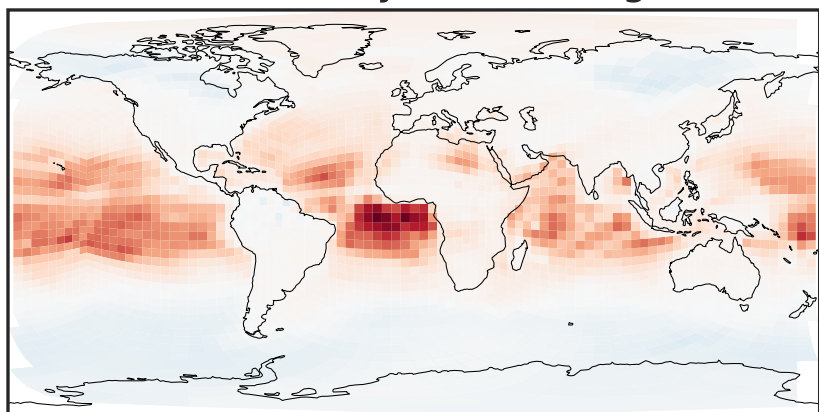
-0.814 -0.407 0.000 0.407 0.814
ppb

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



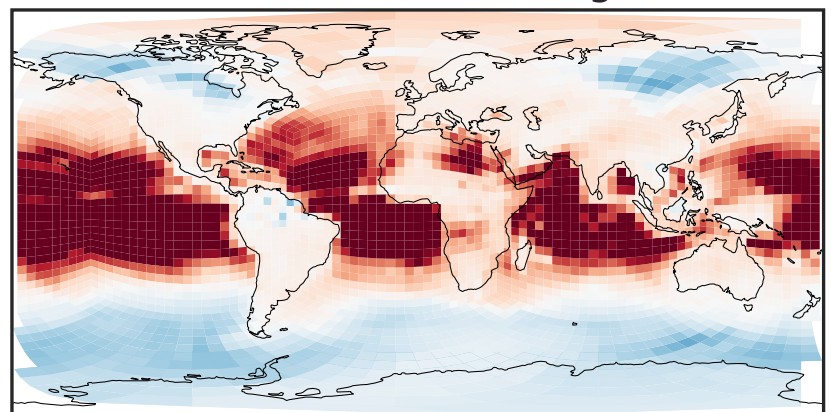
-0.015 0.000 0.015
ppb

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

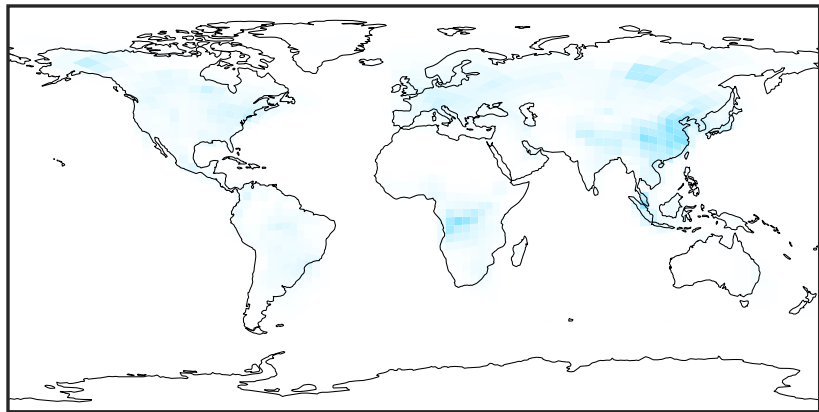
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

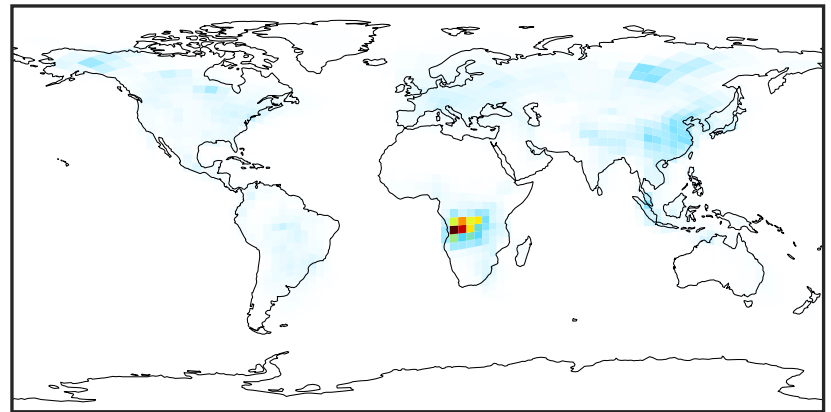
SpeciesConcVV_PPN

gchp-c24-1Mon-14.1.1 (Ref)
c24



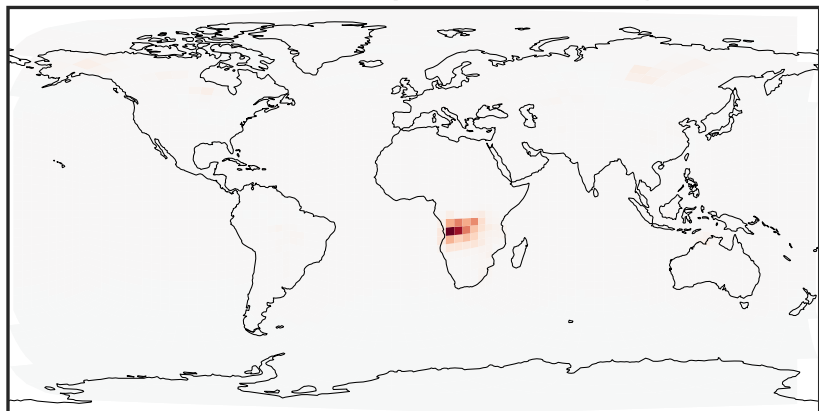
0.000 0.269 0.539 0.808 1.077
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



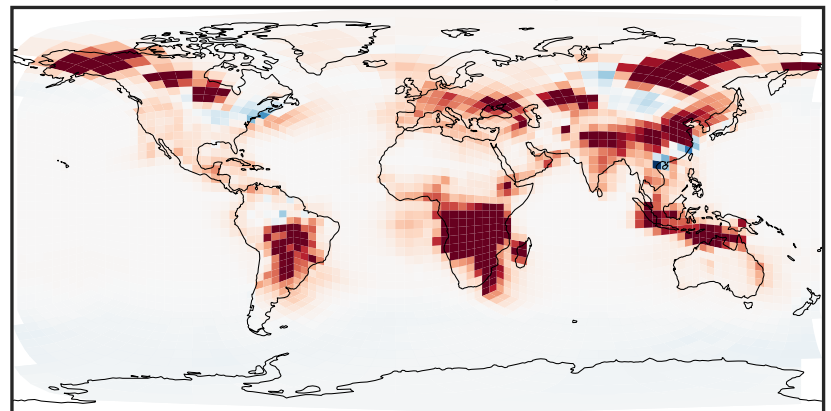
0.000 0.269 0.539 0.808 1.077
ppb

Difference
Dev - Ref, Dynamic Range



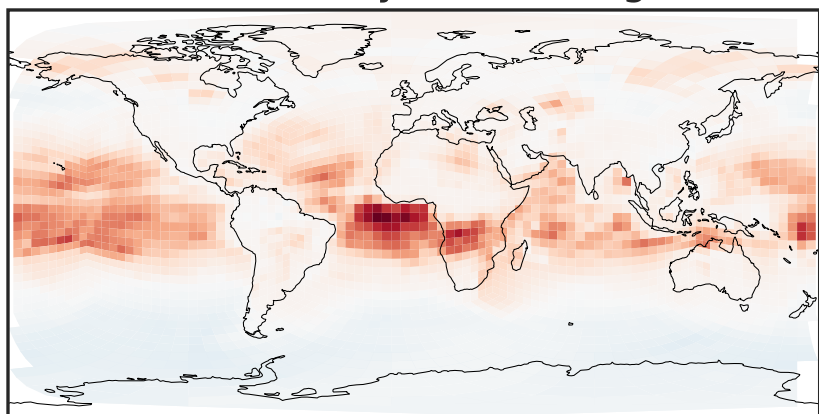
-0.947 -0.473 0.000 0.473 0.947
ppb

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



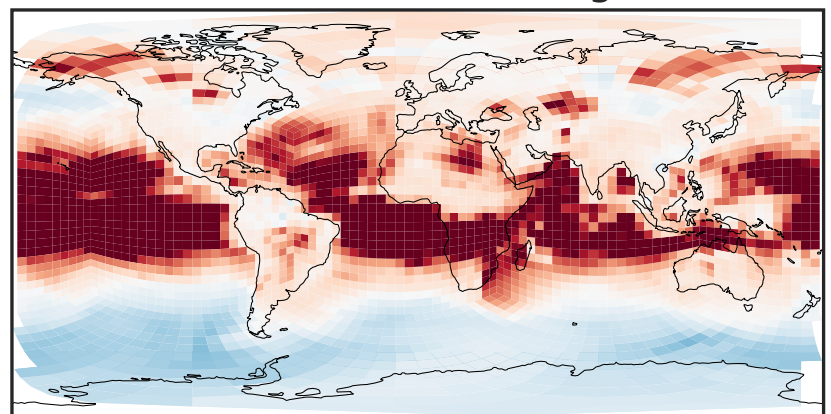
-0.003 0.000 0.003
ppb

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

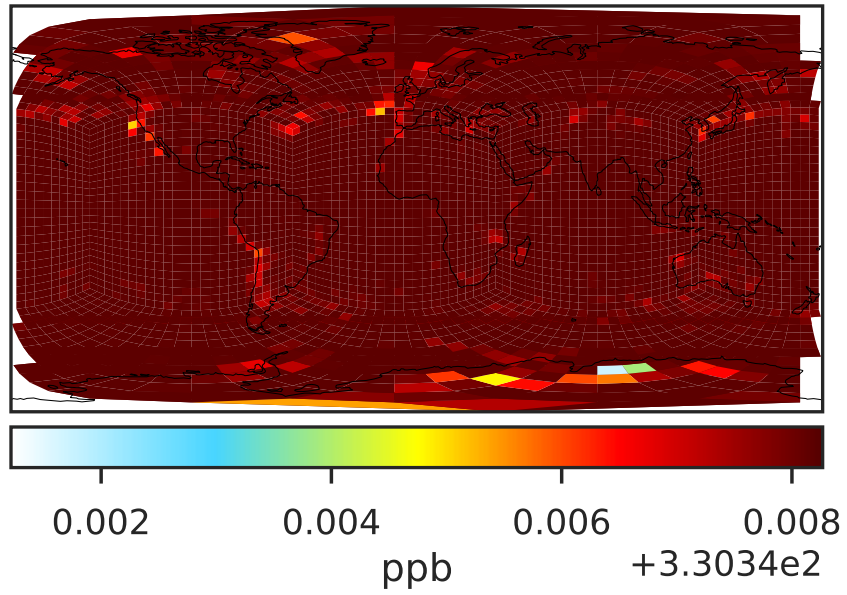
Ratio
Dev/Ref, Fixed Range



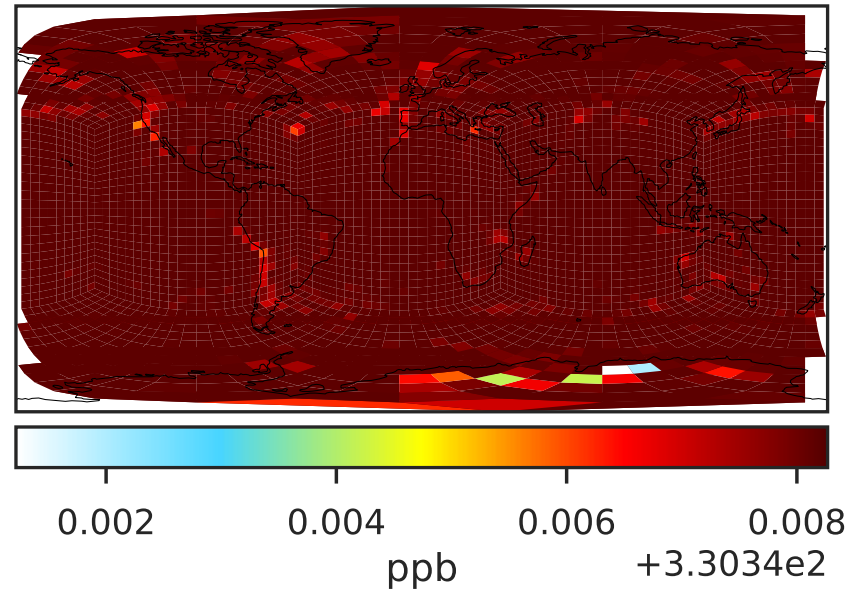
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_N2O

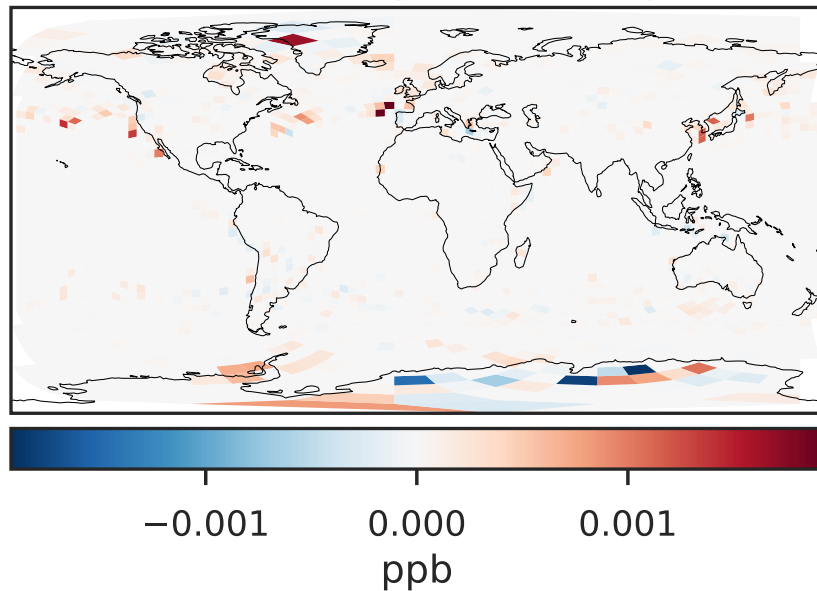
gchp-c24-1Mon-14.1.1 (Ref)
c24



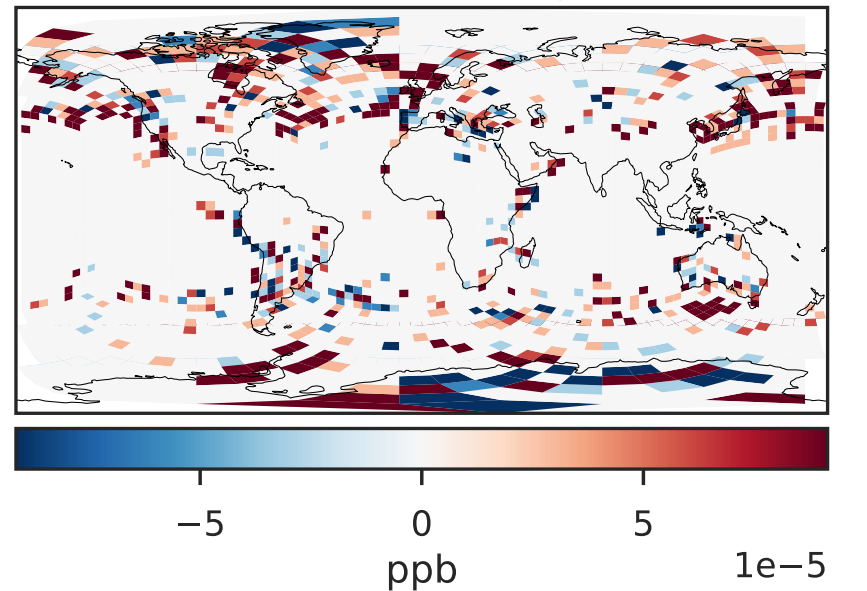
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



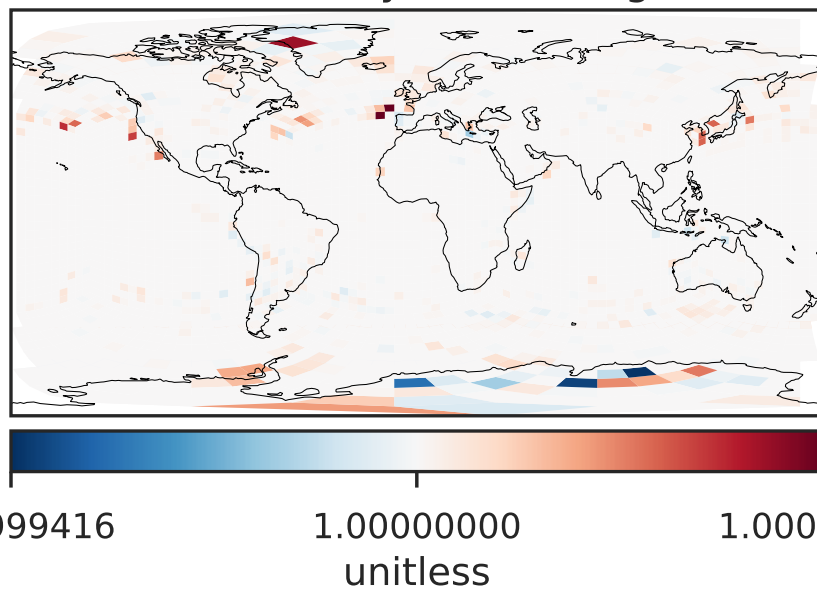
Difference
Dev - Ref, Dynamic Range



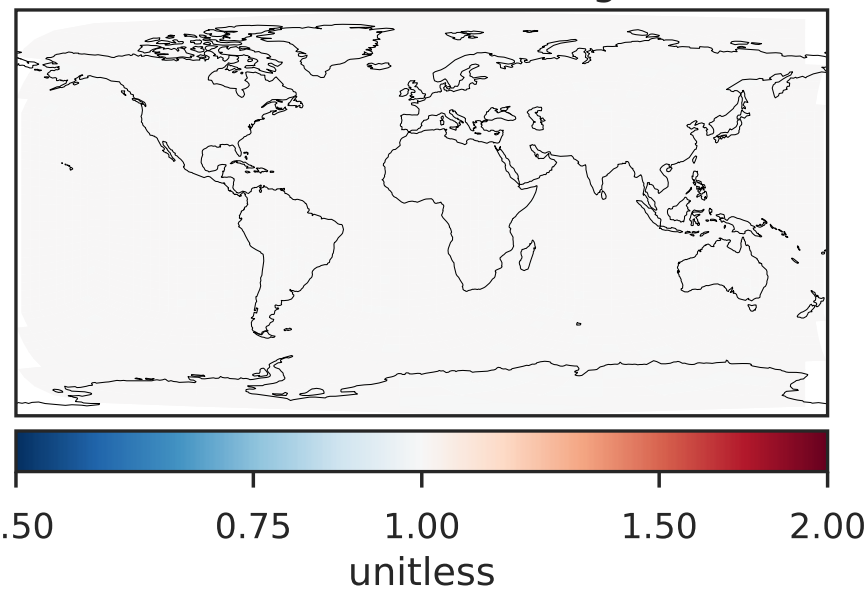
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

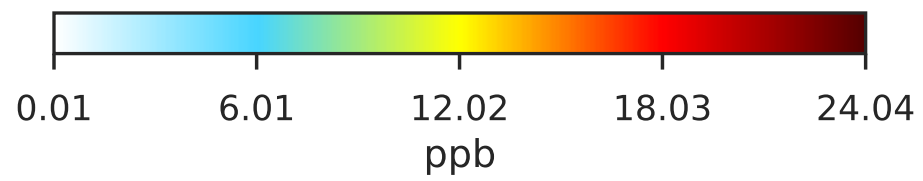
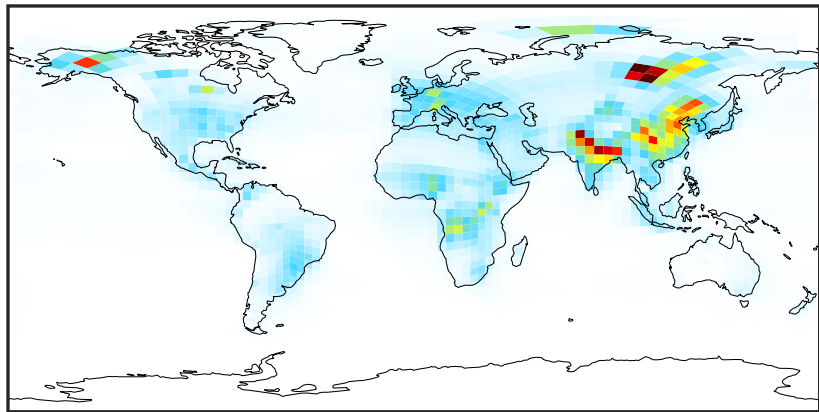


Ratio
Dev/Ref, Fixed Range

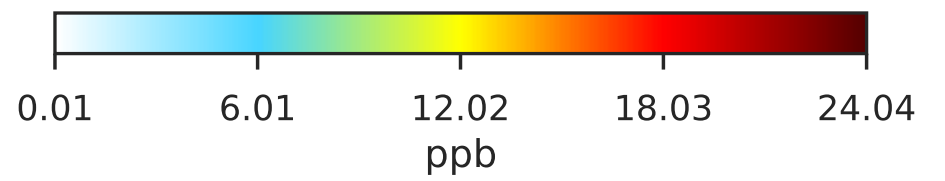
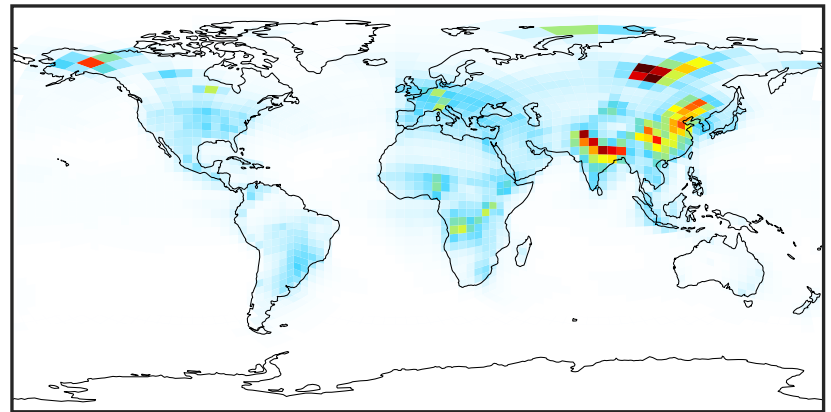


SpeciesConcVV_NHx

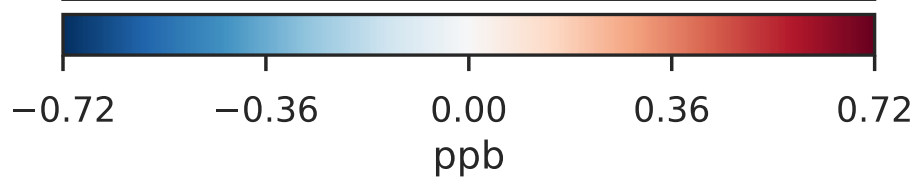
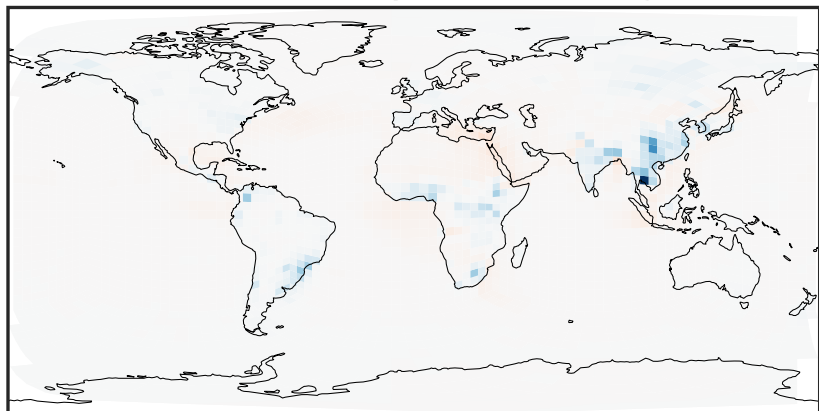
gchp-c24-1Mon-14.1.1 (Ref)
c24



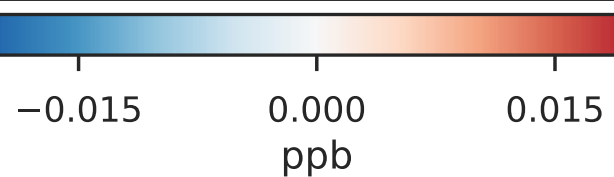
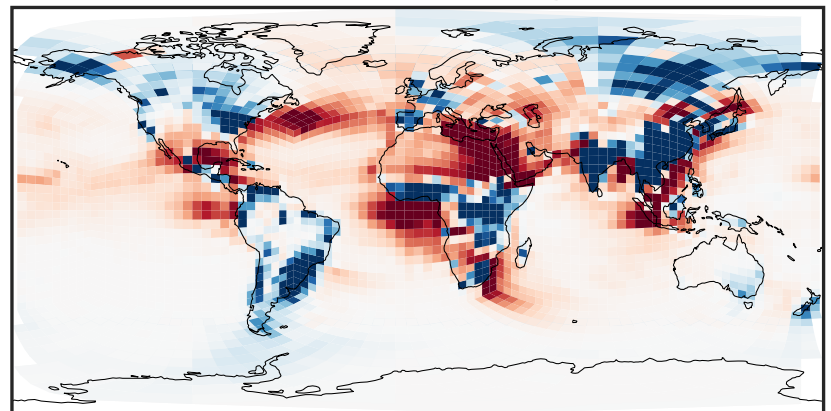
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



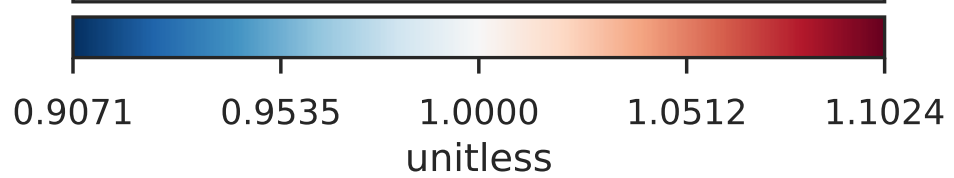
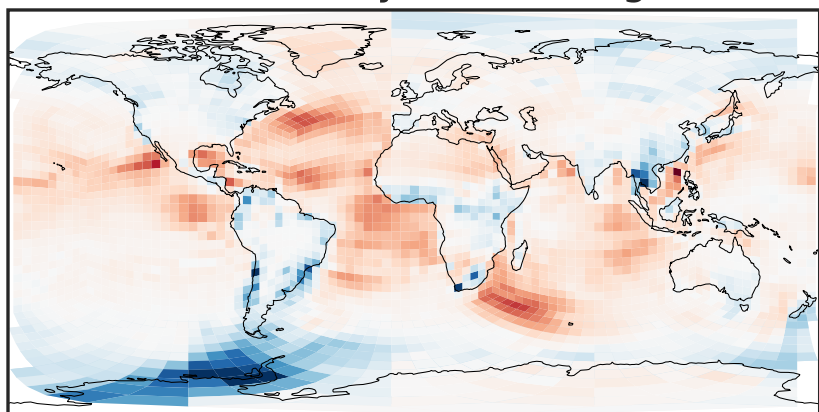
Difference
Dev - Ref, Dynamic Range



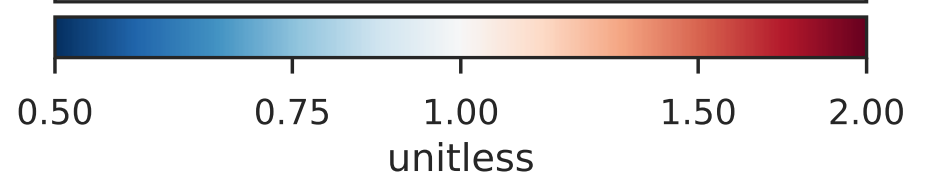
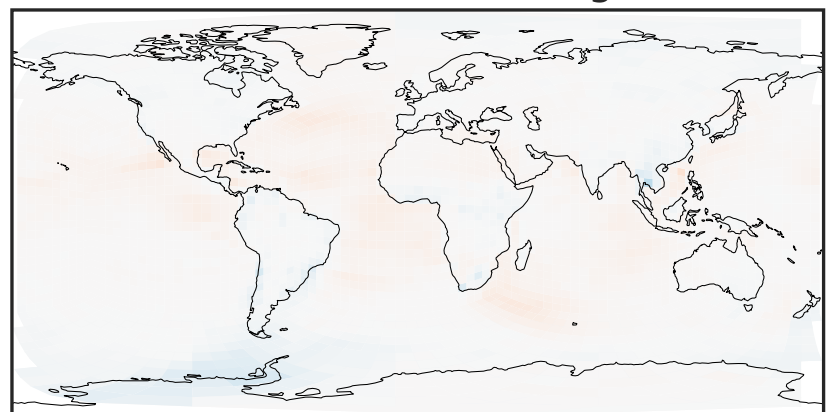
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

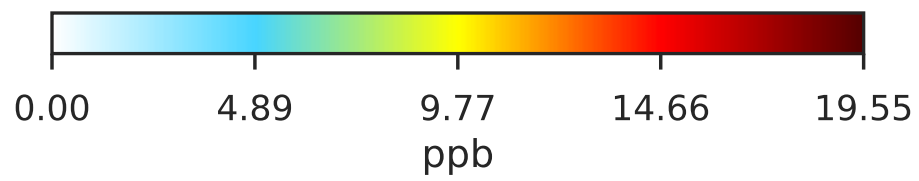
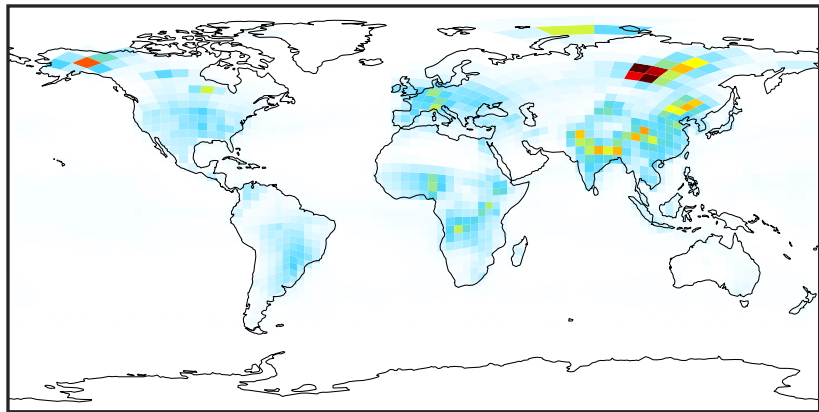


Ratio
Dev/Ref, Fixed Range

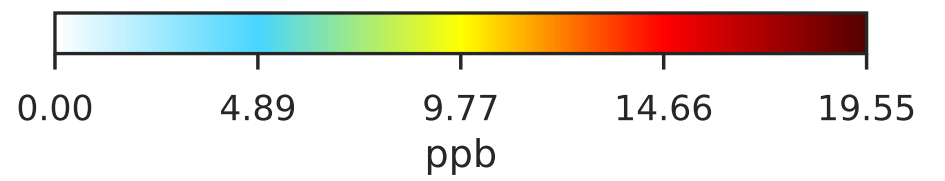
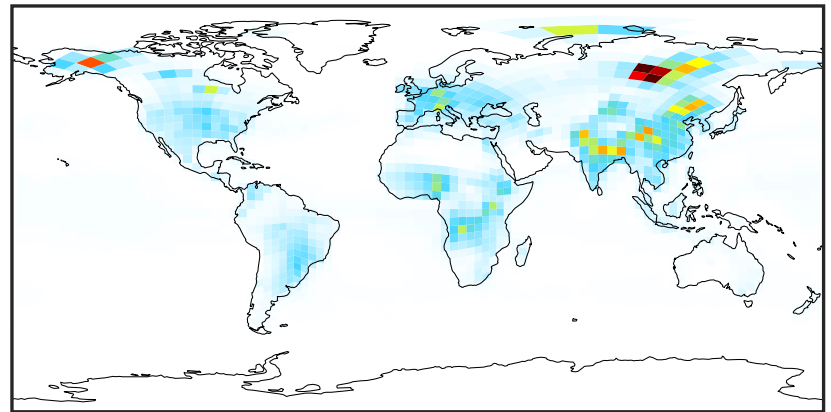


SpeciesConcVV_NH3

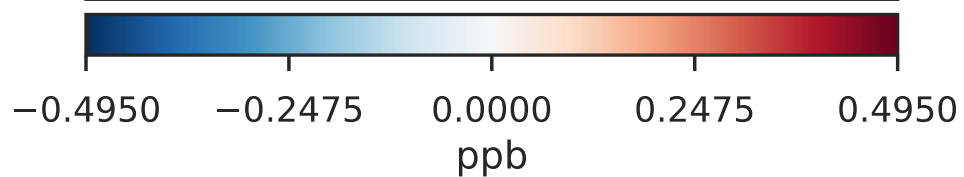
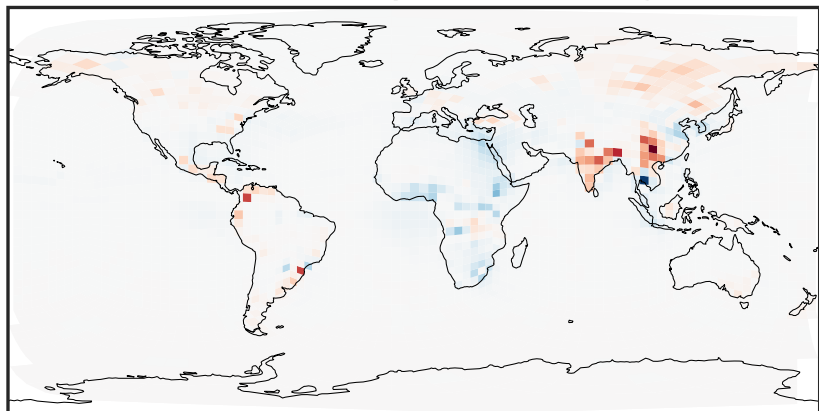
gchp-c24-1Mon-14.1.1 (Ref)
c24



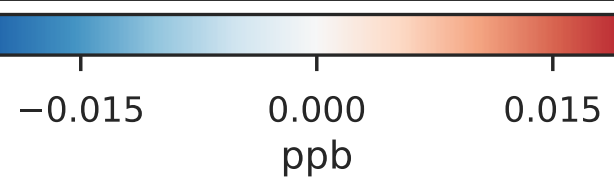
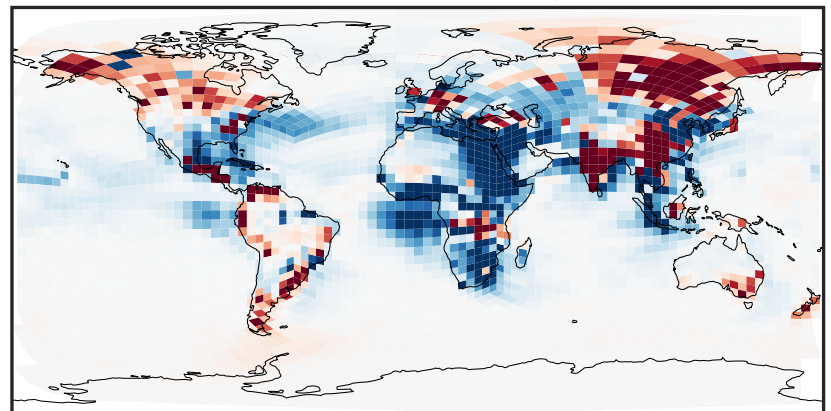
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



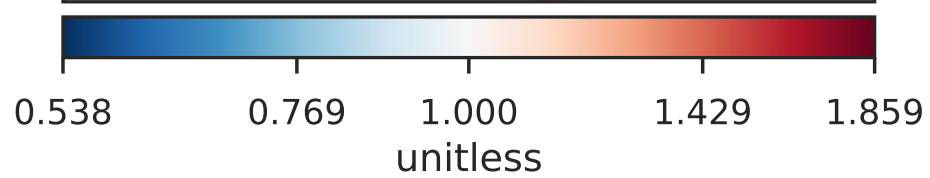
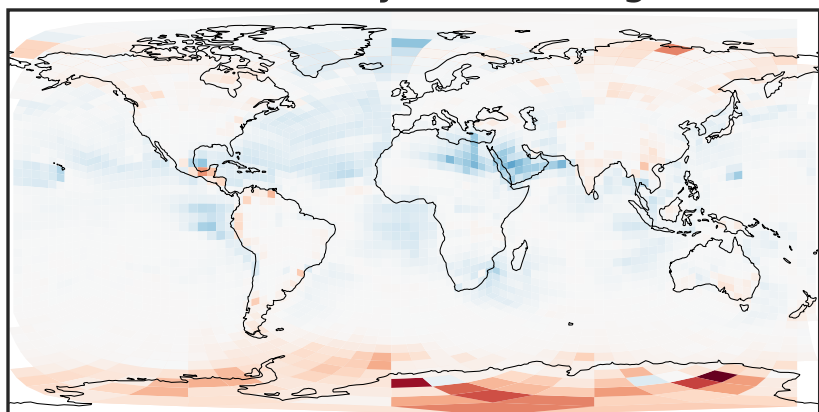
Difference
Dev - Ref, Dynamic Range



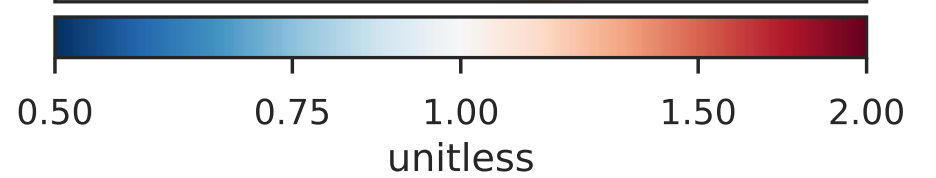
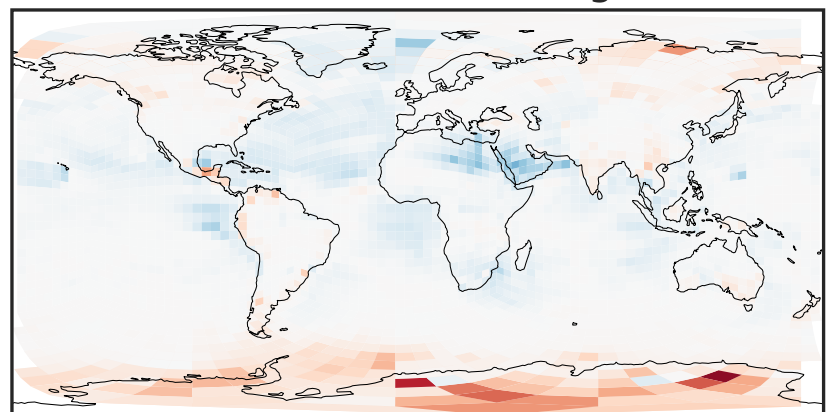
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

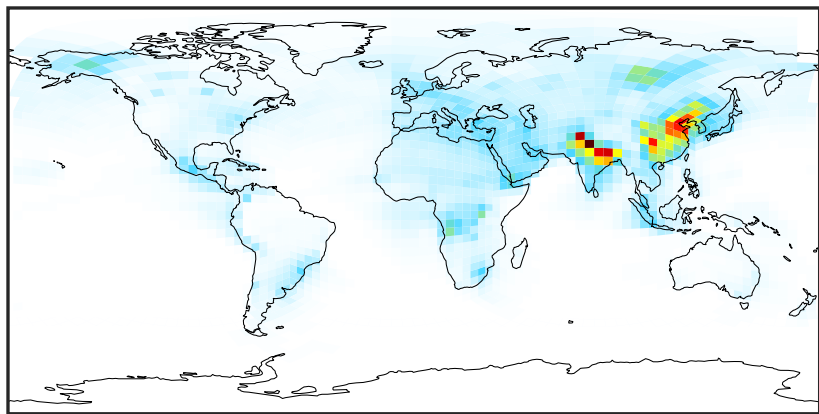


Ratio
Dev/Ref, Fixed Range



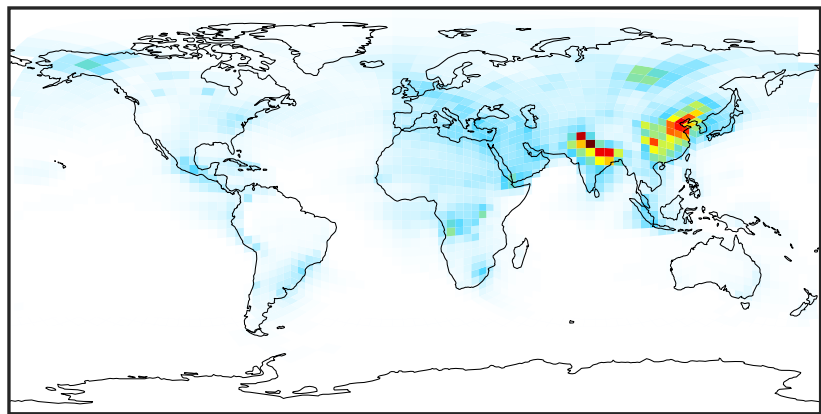
SpeciesConcVV_NH4

gchp-c24-1Mon-14.1.1 (Ref)
c24



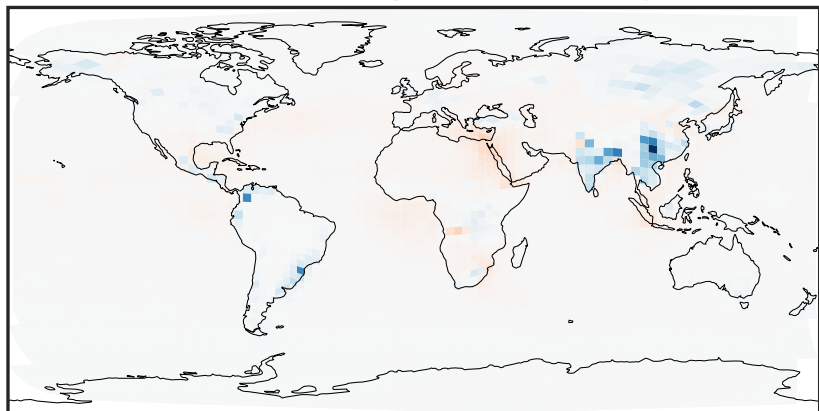
0.00 3.13 6.26 9.39 12.52
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



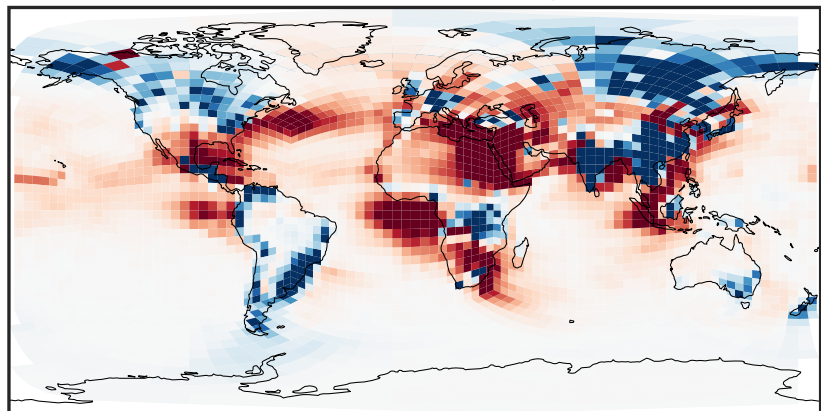
0.00 3.13 6.26 9.39 12.52
ppb

Difference
Dev - Ref, Dynamic Range



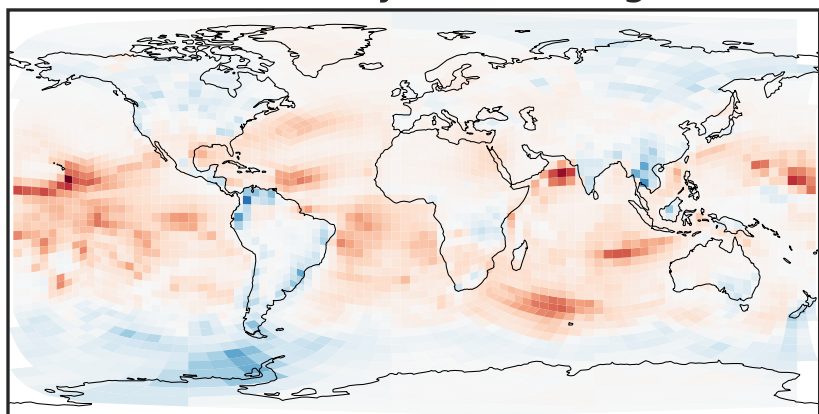
-0.94 -0.47 0.00 0.47 0.94
ppb

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



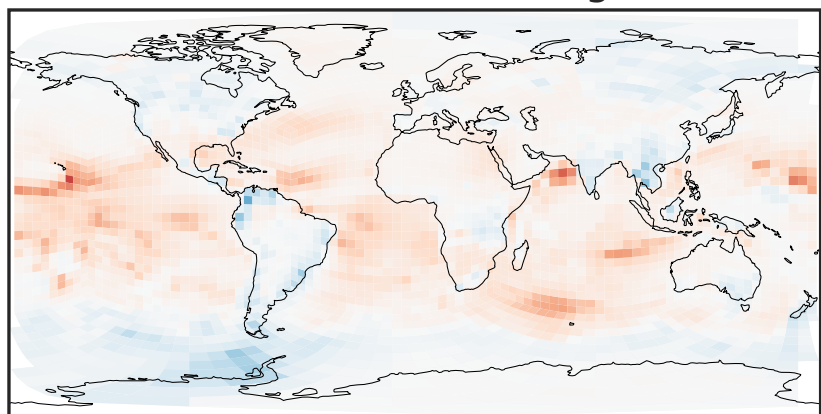
-0.02 0.00 0.02
ppb

Ratio
Dev/Ref, Dynamic Range



0.6248 0.8124 1.0000 1.3002 1.6005
unitless

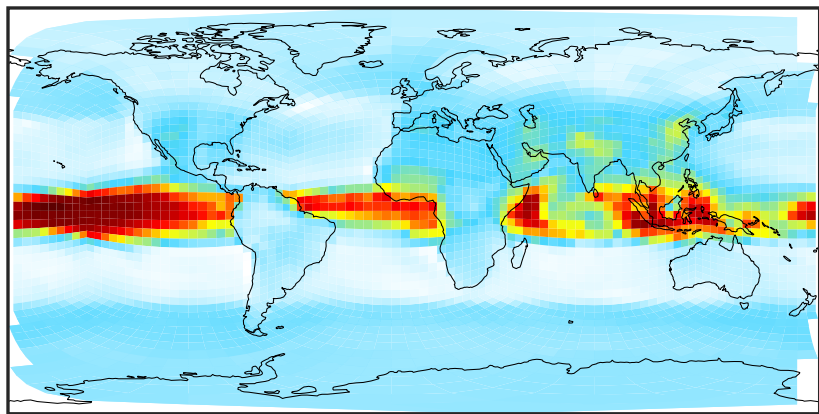
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

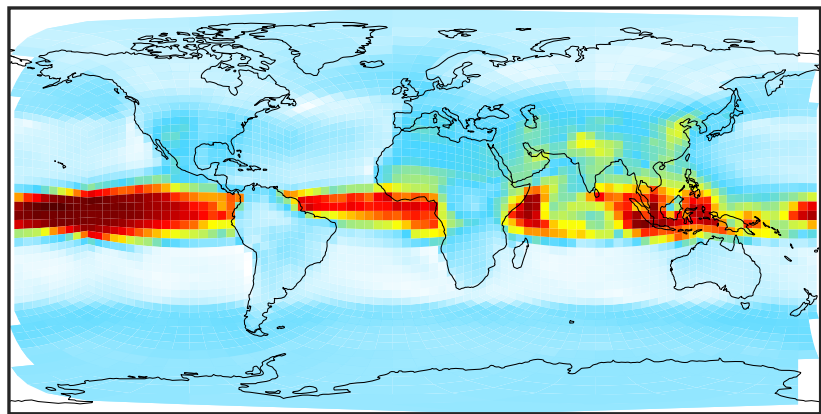
SpeciesConcVV_MENO3

gchp-c24-1Mon-14.1.1 (Ref)
c24



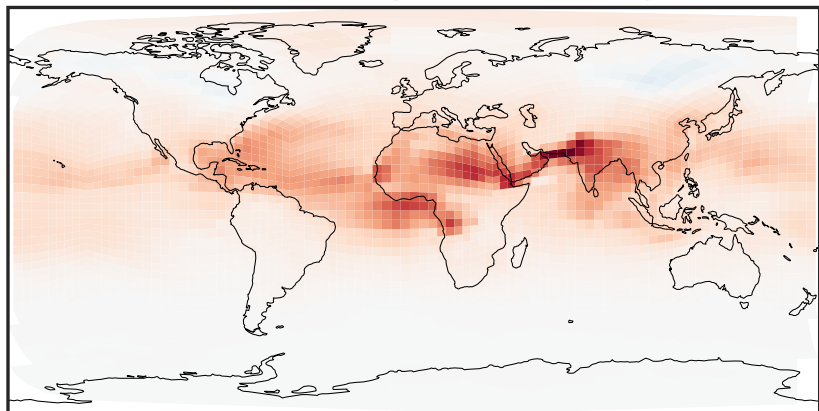
0.006 0.012 0.018
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



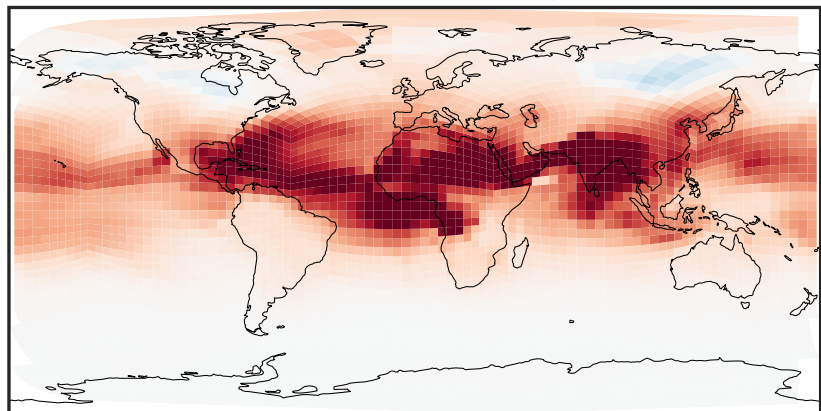
0.006 0.012 0.018
ppb

Difference
Dev - Ref, Dynamic Range



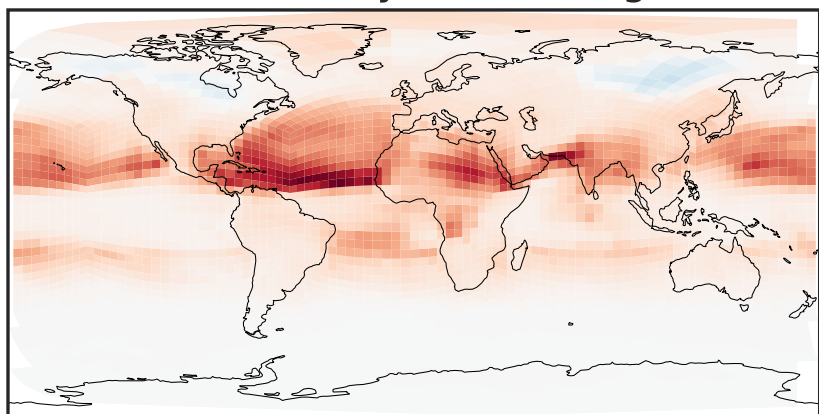
-0.0008 0.0000 0.0008
ppb

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



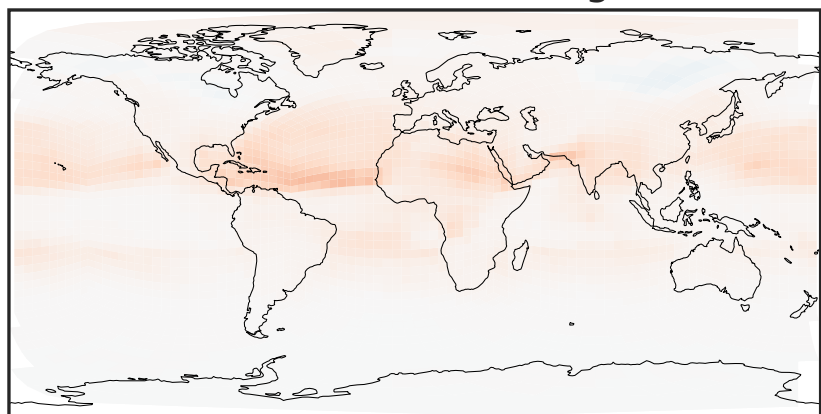
-0.0004 0.0000 0.0004
ppb

Ratio
Dev/Ref, Dynamic Range



0.8066 0.9033 1.0000 1.1199 1.2398
unitless

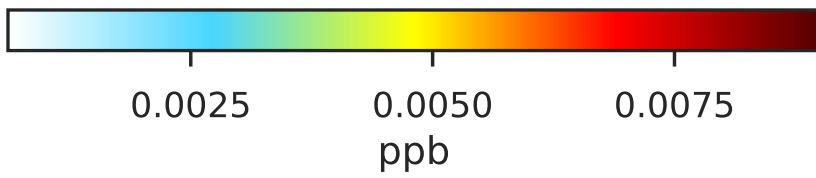
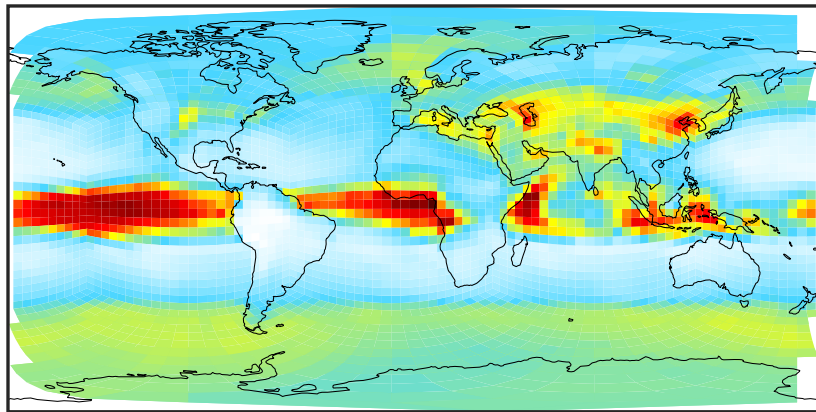
Ratio
Dev/Ref, Fixed Range



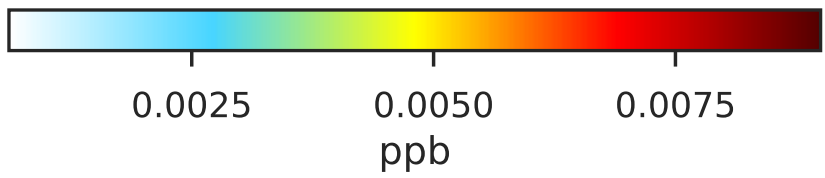
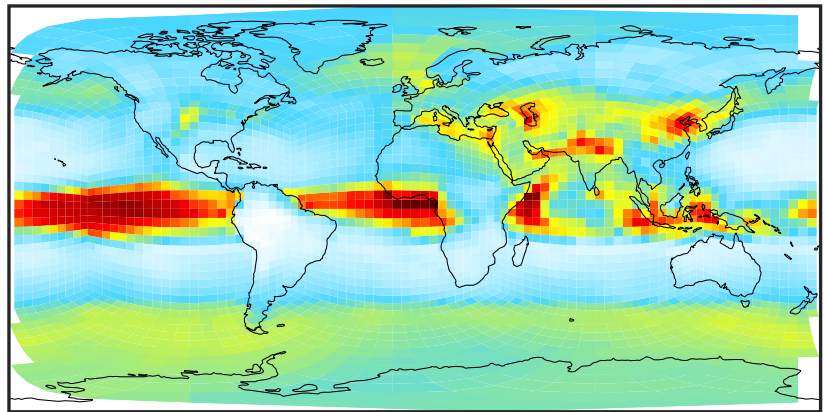
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ETNO3

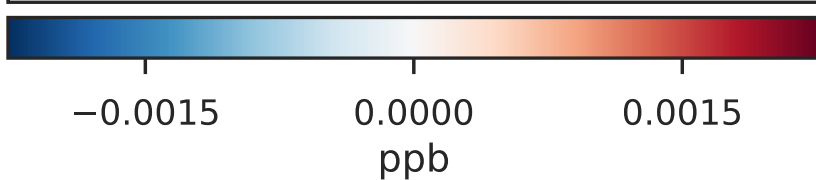
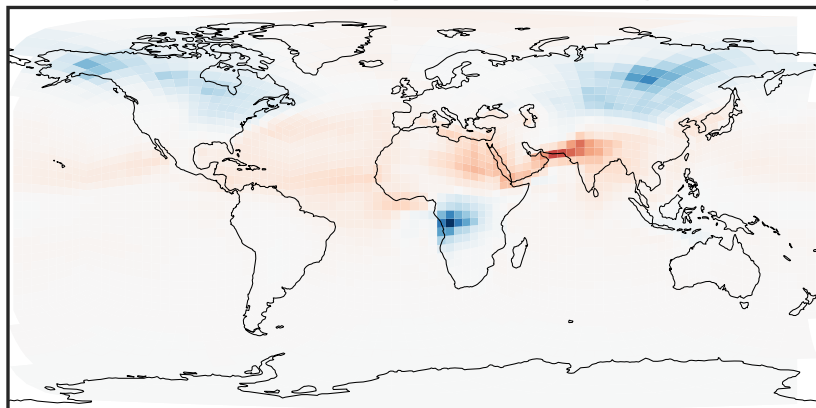
gchp-c24-1Mon-14.1.1 (Ref)
c24



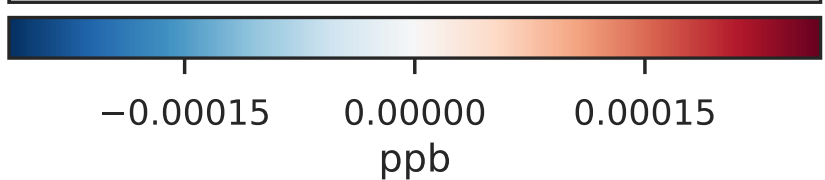
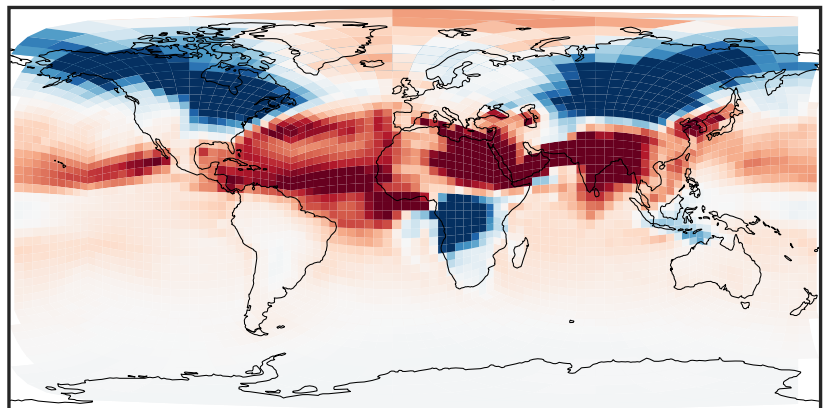
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



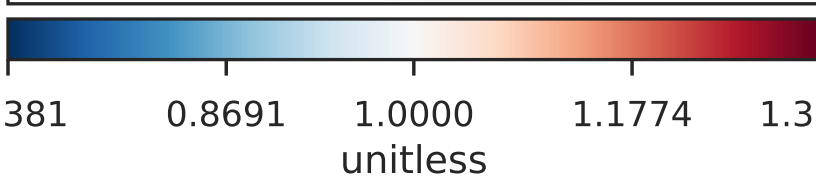
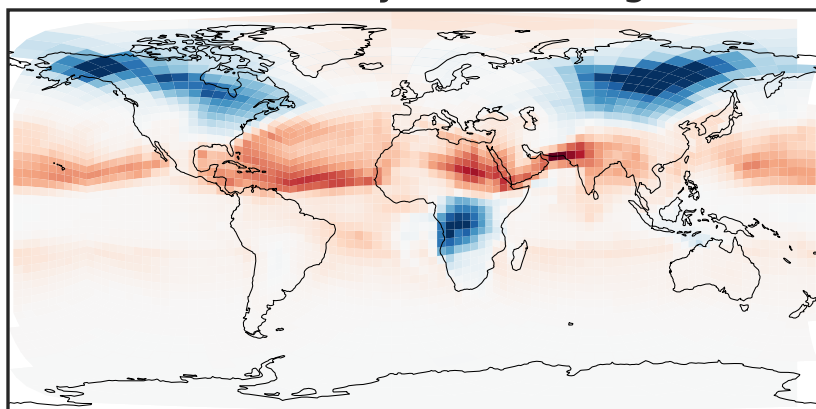
Difference
Dev - Ref, Dynamic Range



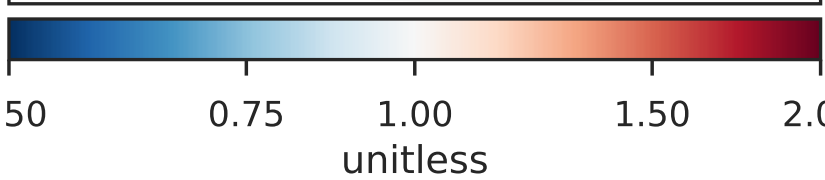
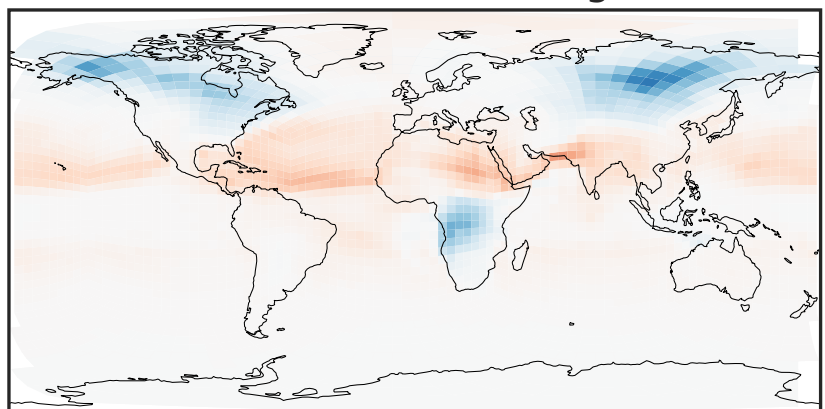
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

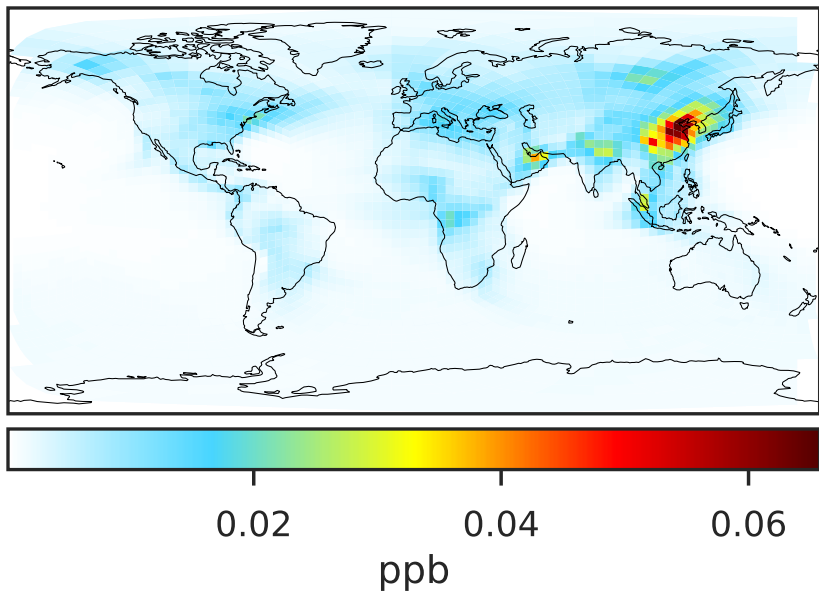


0.7381 0.8691 1.0000 1.1774 1.3548
unitless

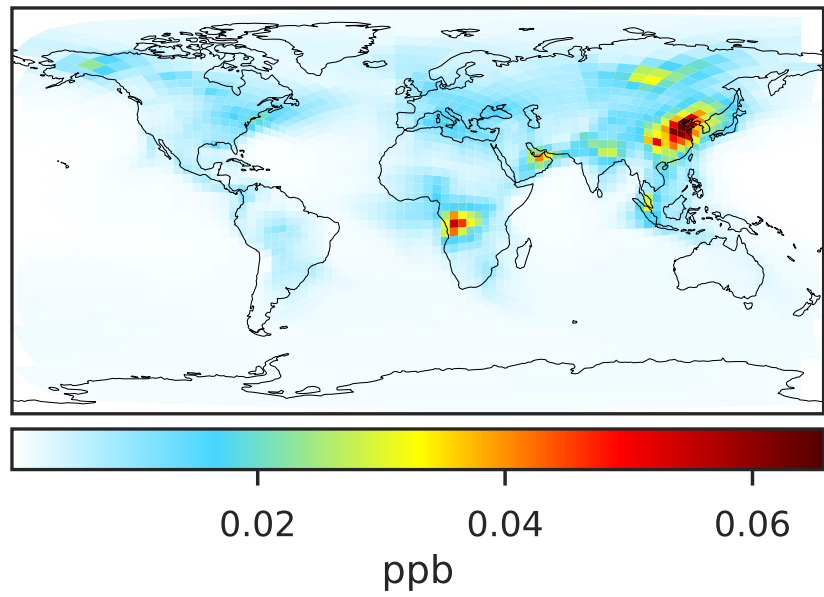
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_IPRNO3

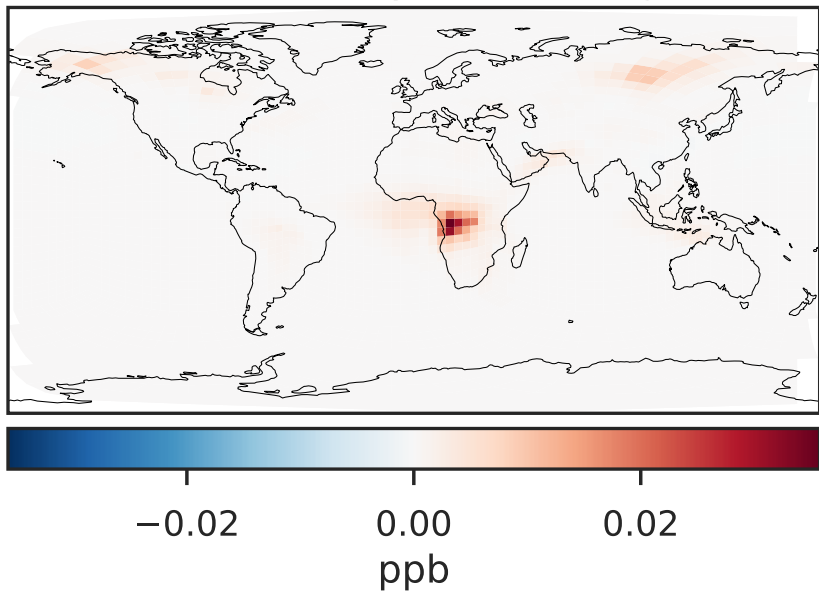
gchp-c24-1Mon-14.1.1 (Ref)
c24



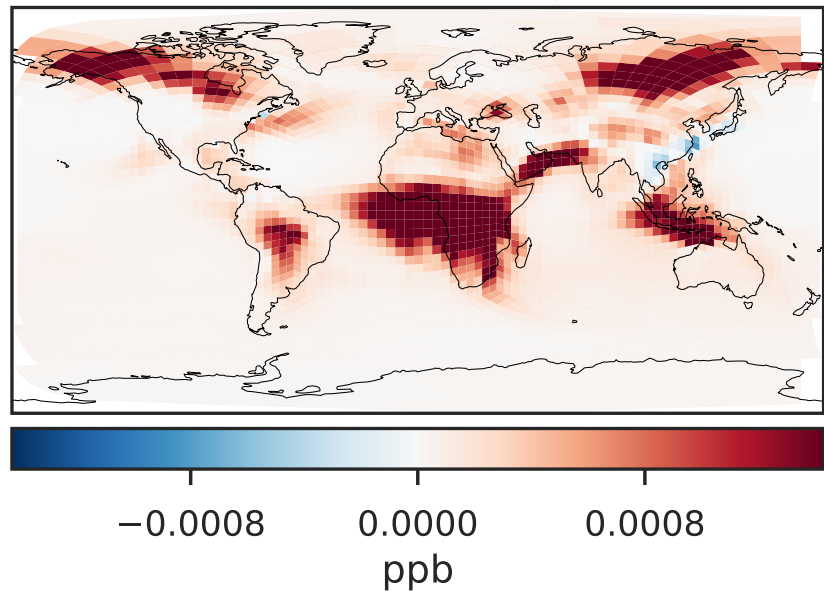
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



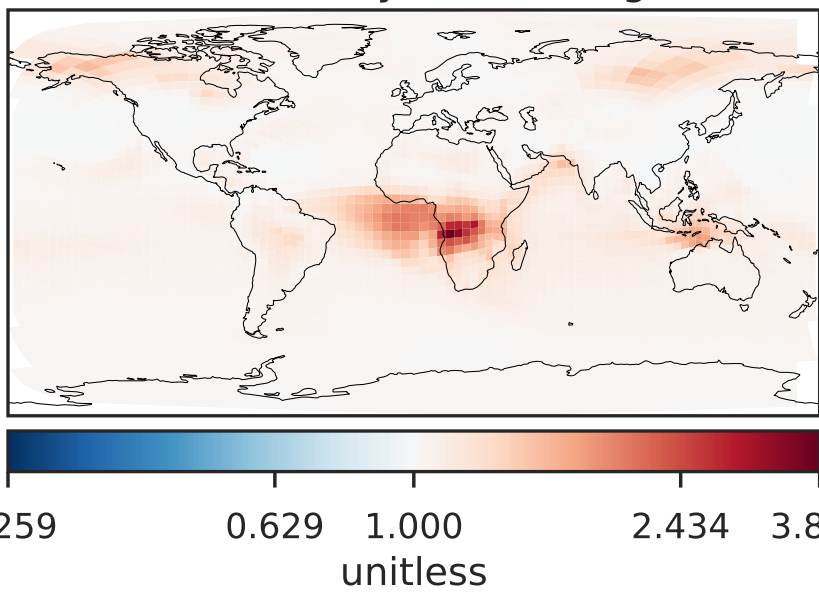
Difference
Dev - Ref, Dynamic Range



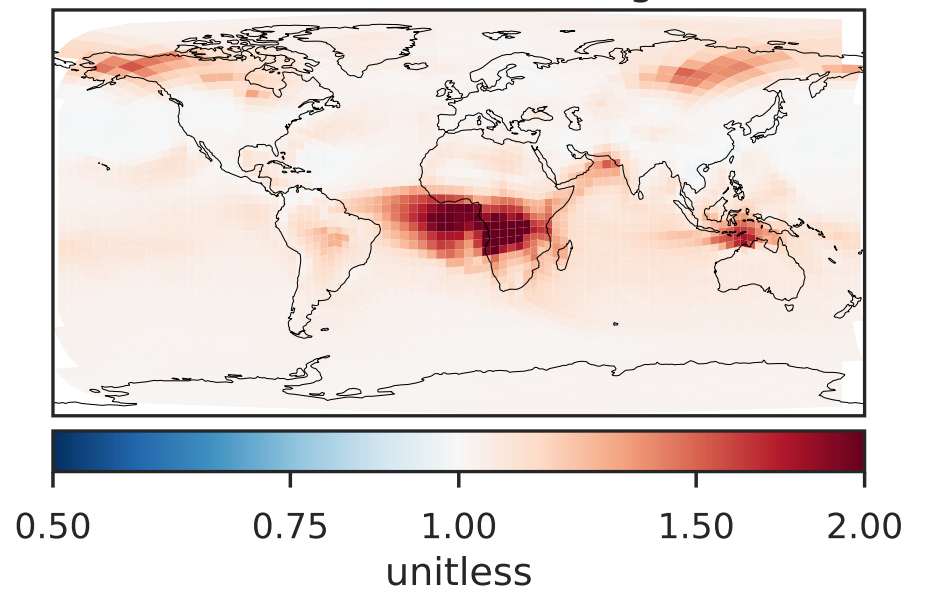
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

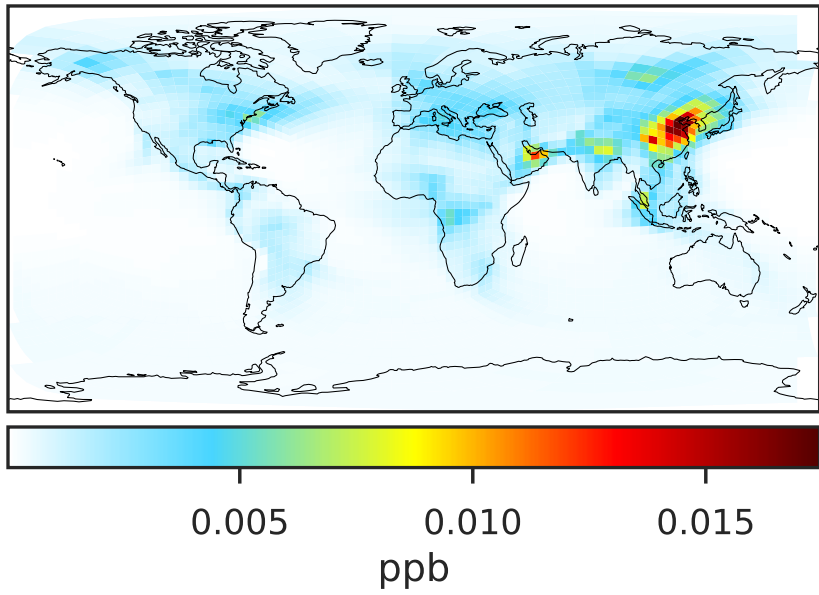


Ratio
Dev/Ref, Fixed Range

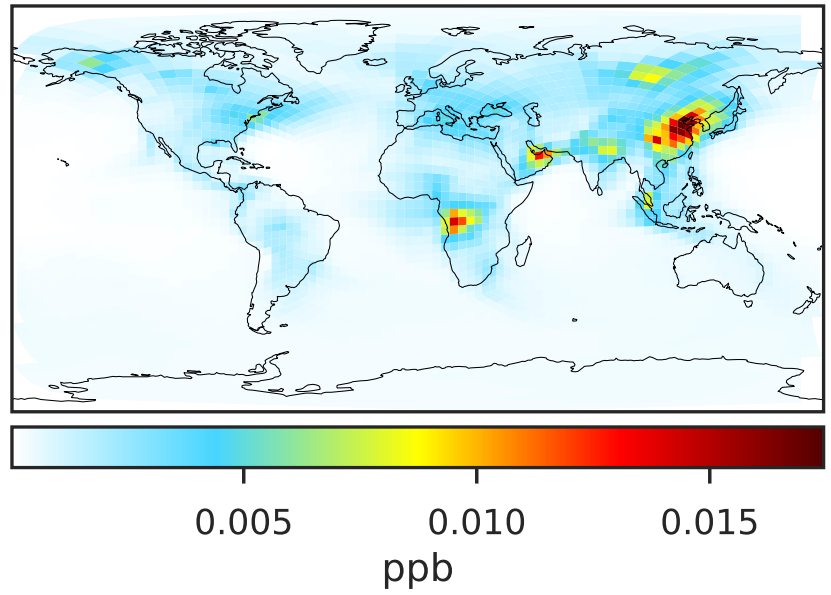


SpeciesConcVW_NPRNO3

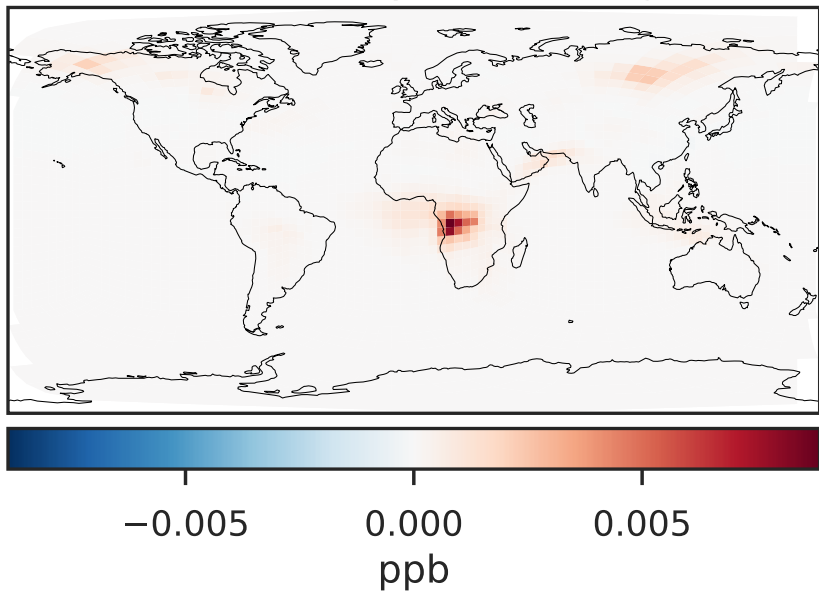
gchp-c24-1Mon-14.1.1 (Ref)
c24



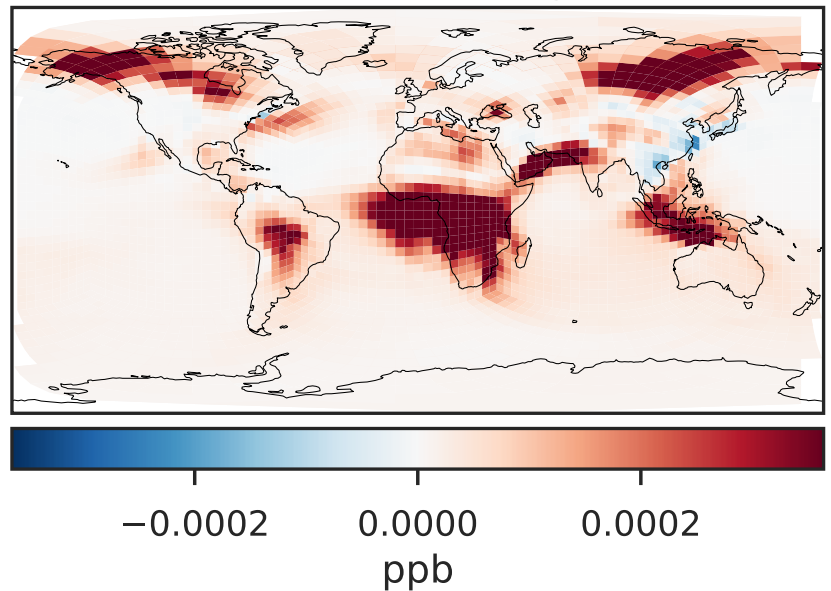
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



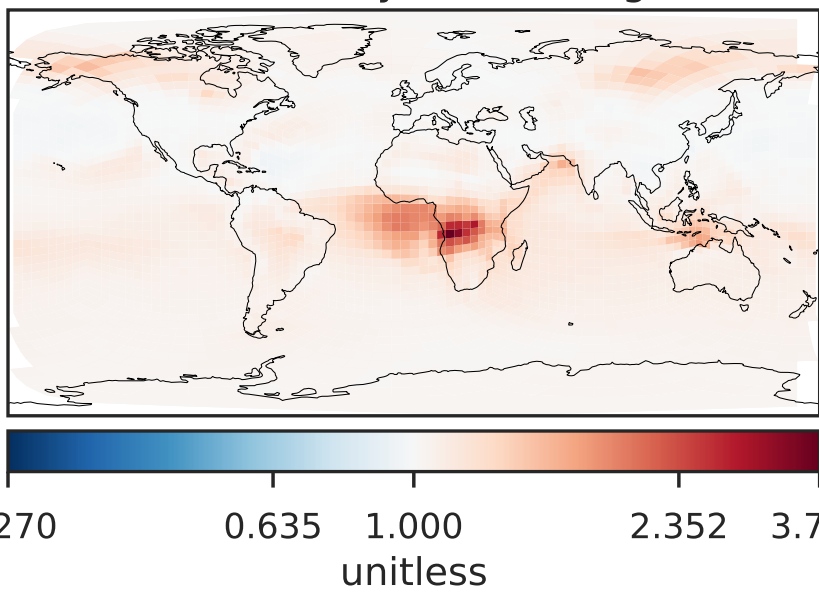
Difference
Dev - Ref, Dynamic Range



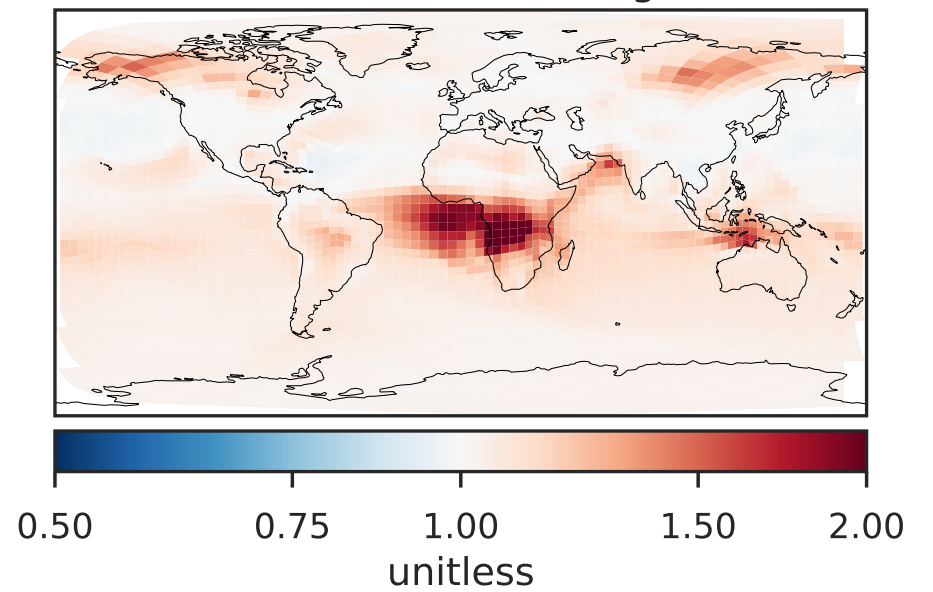
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

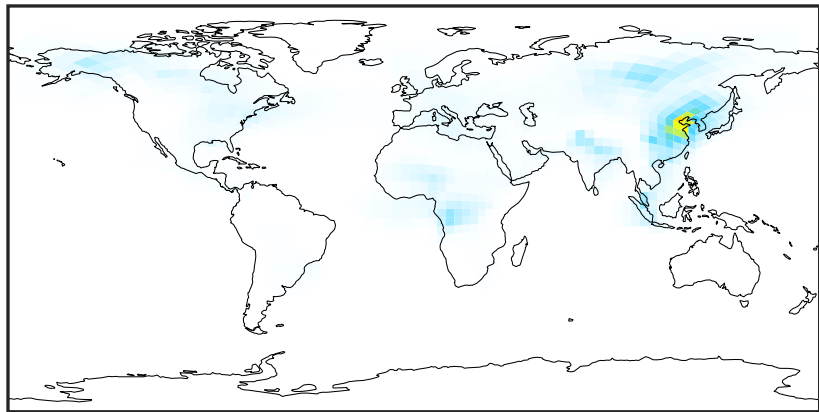


Ratio
Dev/Ref, Fixed Range



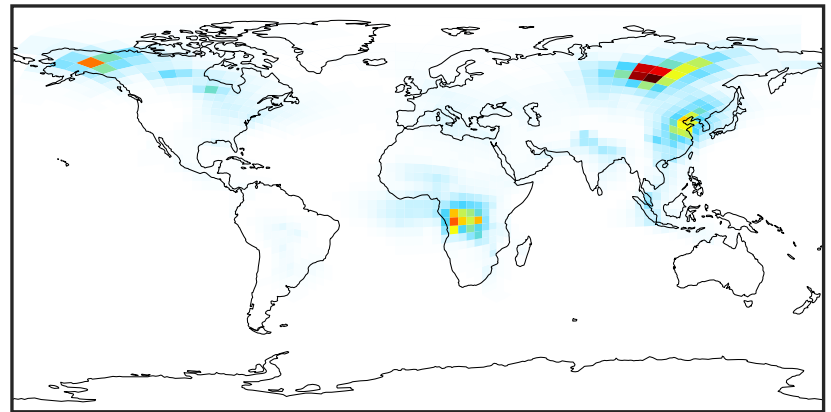
SpeciesConcVW_AONITA

gchp-c24-1Mon-14.1.1 (Ref)
c24



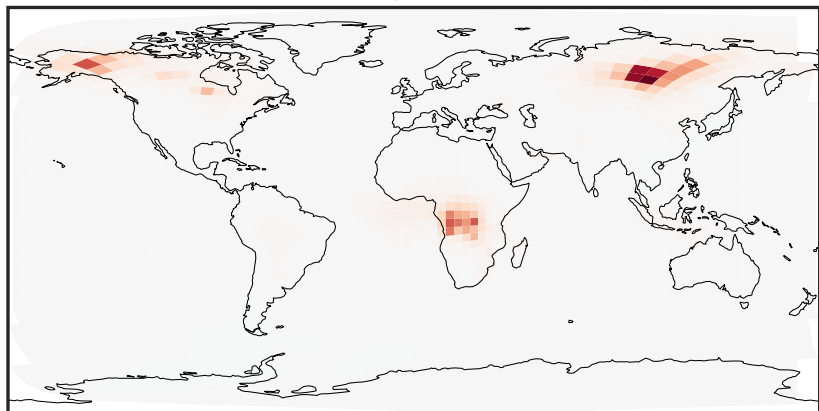
0.0000 0.1199 0.2399 0.3598 0.4797
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



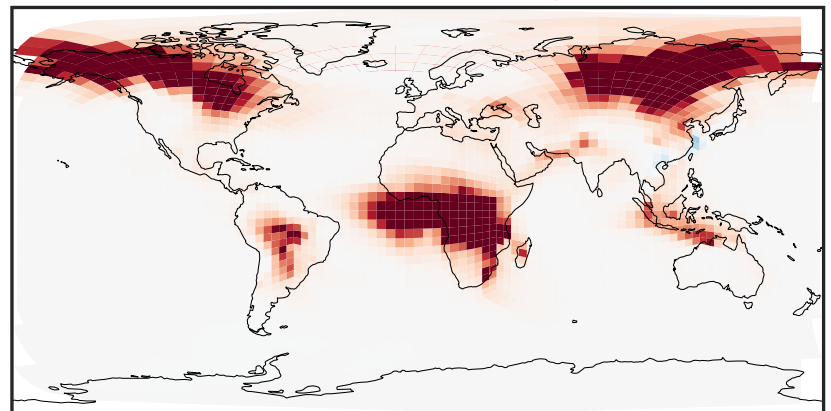
0.0000 0.1199 0.2399 0.3598 0.4797
ppb

Difference
Dev - Ref, Dynamic Range



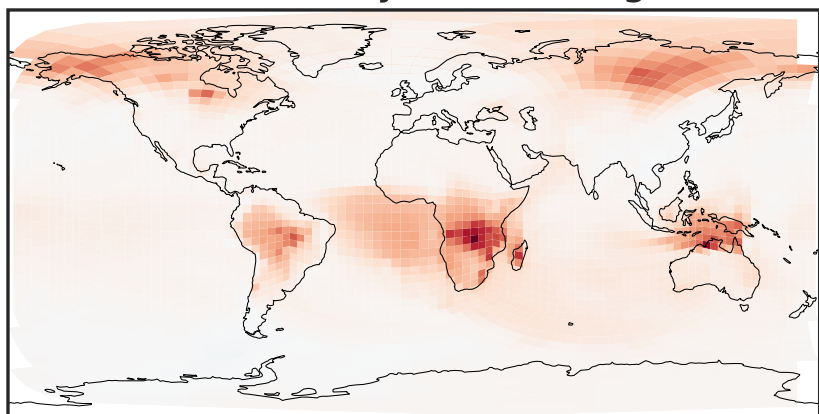
-0.4073 -0.2036 0.0000 0.2036 0.4073
ppb

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



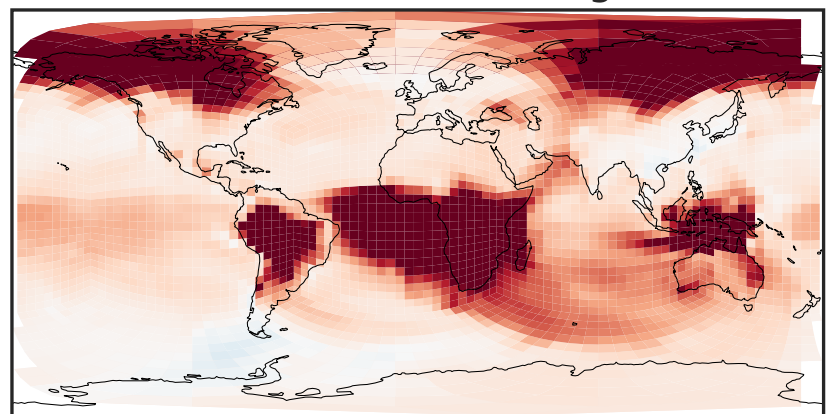
-0.006 0.000 0.006
ppb

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

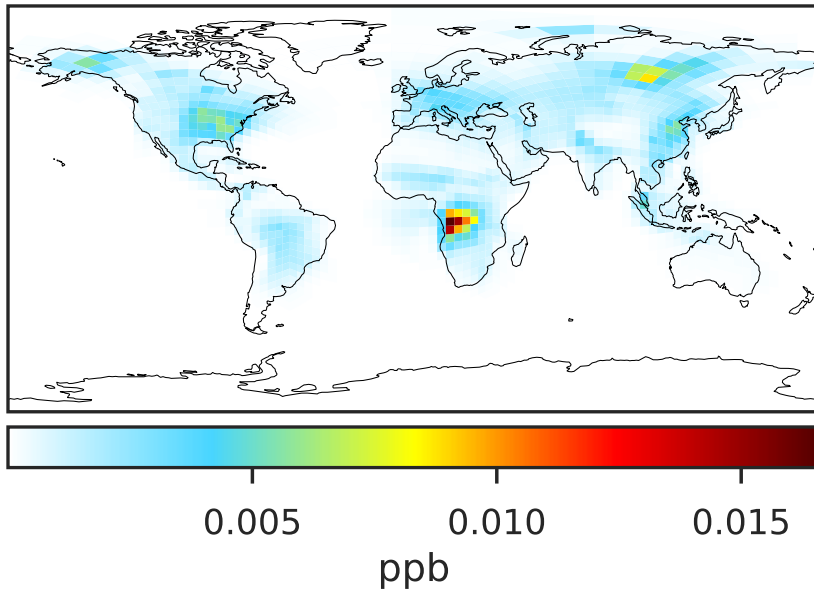
Ratio
Dev/Ref, Fixed Range



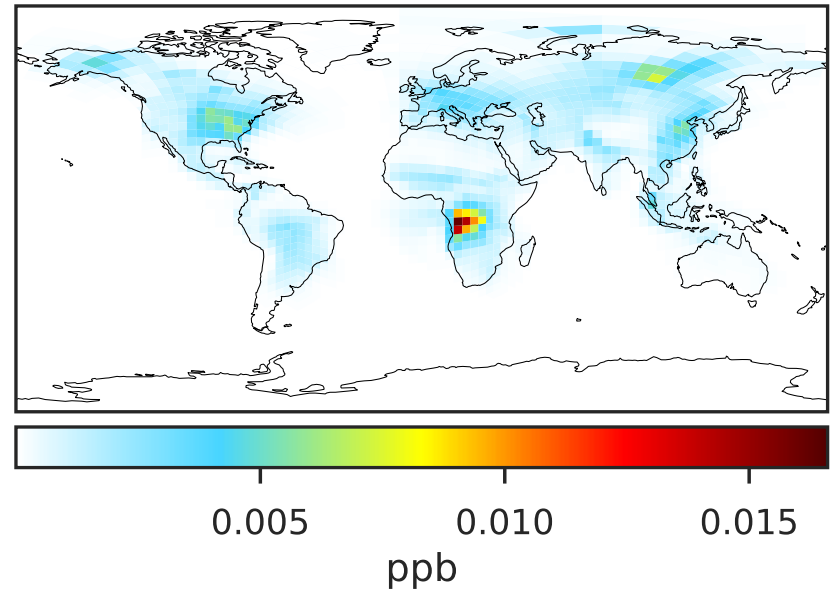
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVW_ETHN

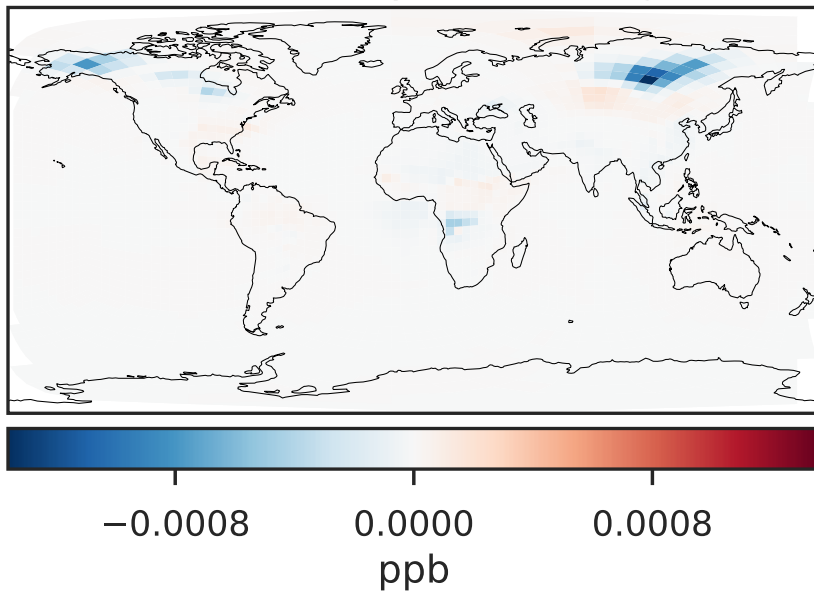
gchp-c24-1Mon-14.1.1 (Ref)
c24



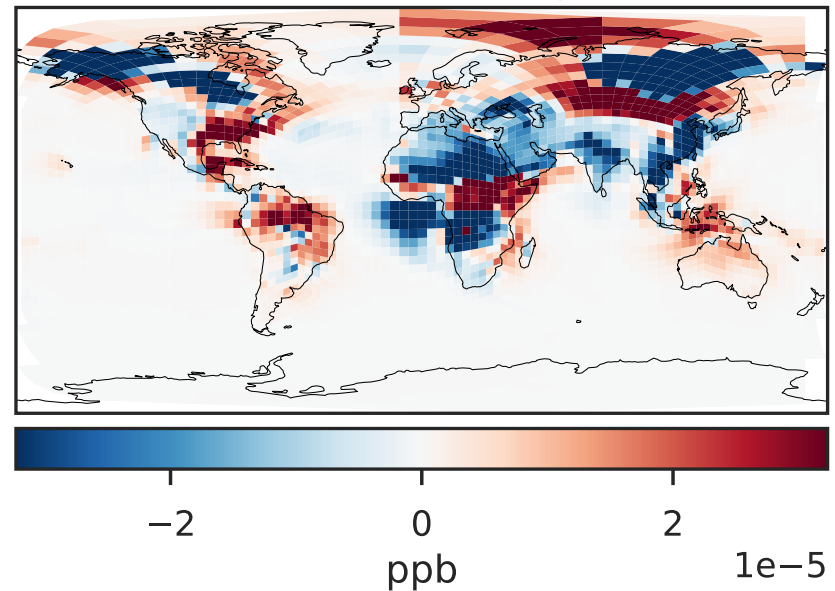
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



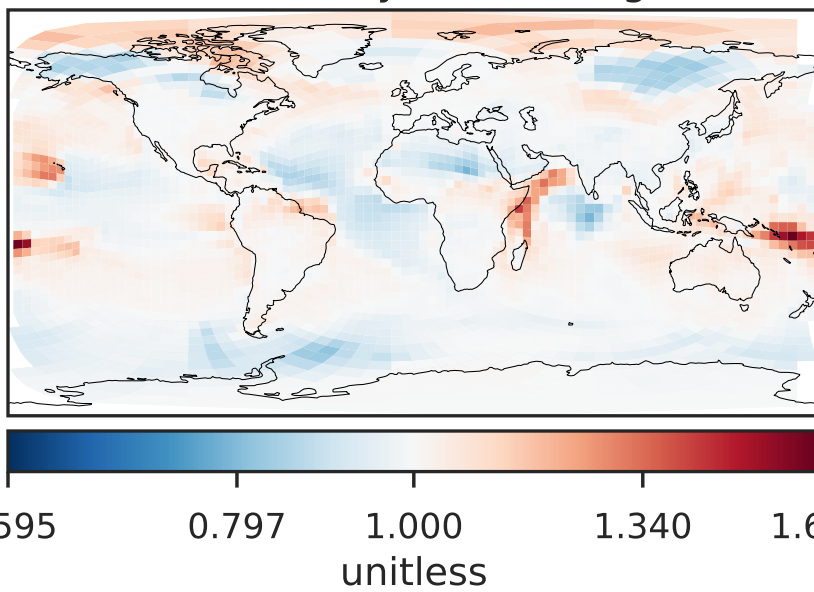
Difference
Dev - Ref, Dynamic Range



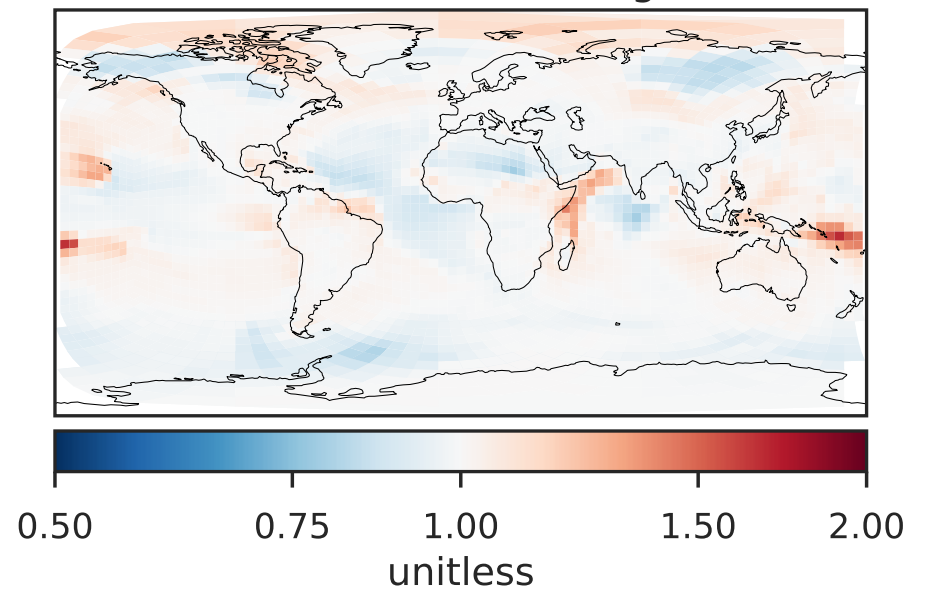
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

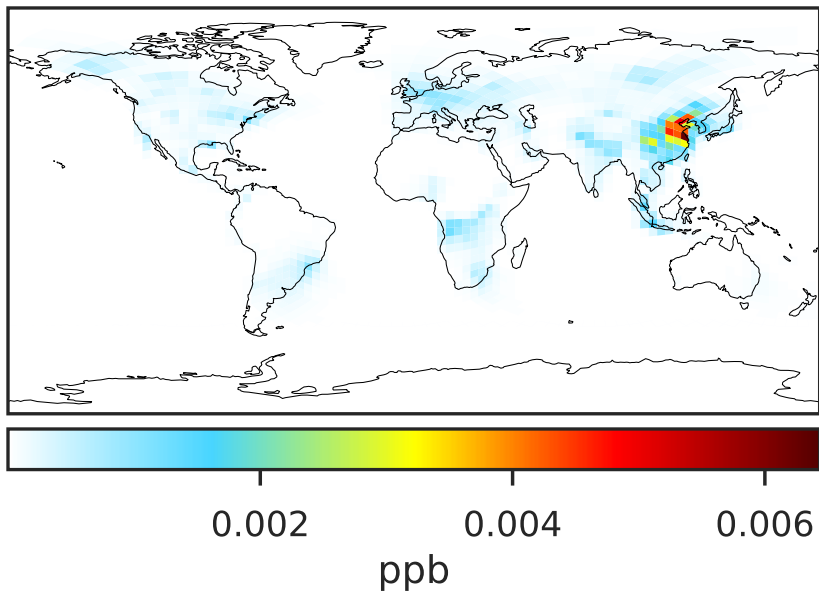


Ratio
Dev/Ref, Fixed Range

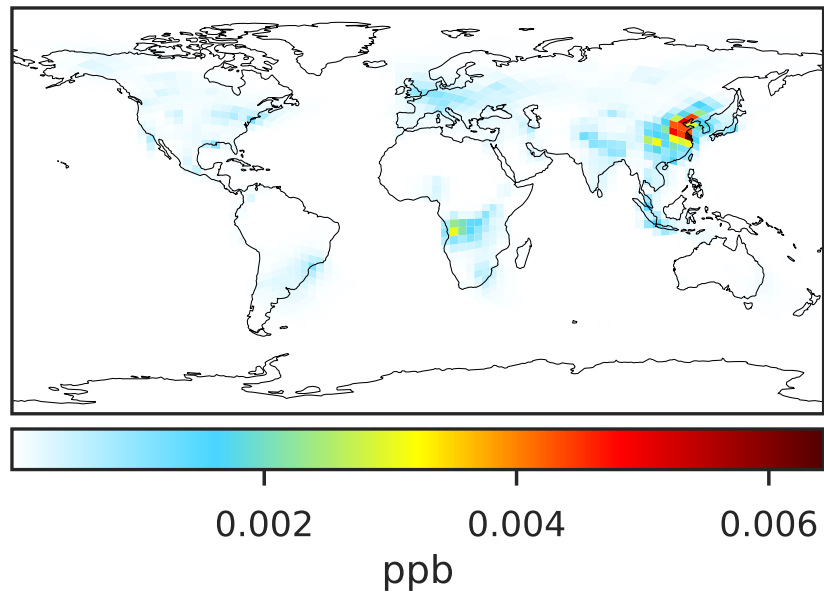


SpeciesConcVV_BZPAN

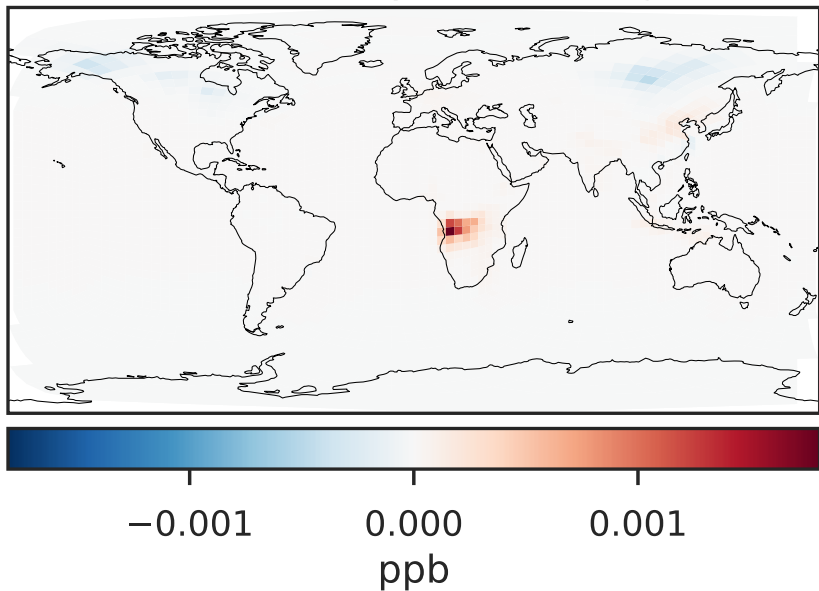
gchp-c24-1Mon-14.1.1 (Ref)
c24



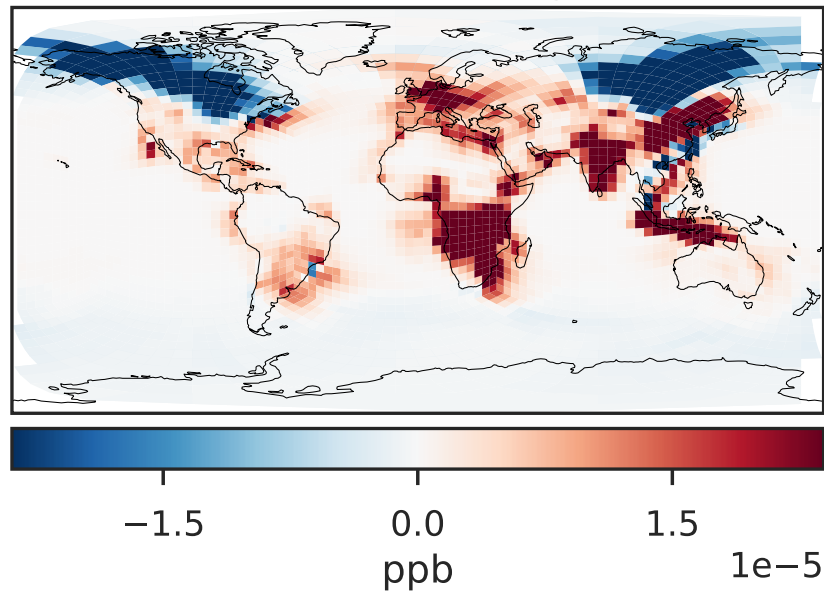
gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



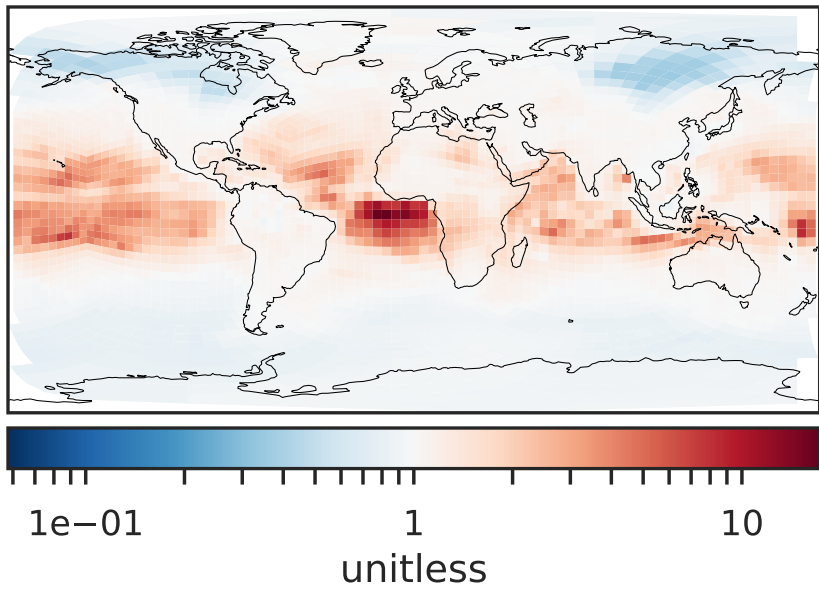
Difference
Dev - Ref, Dynamic Range



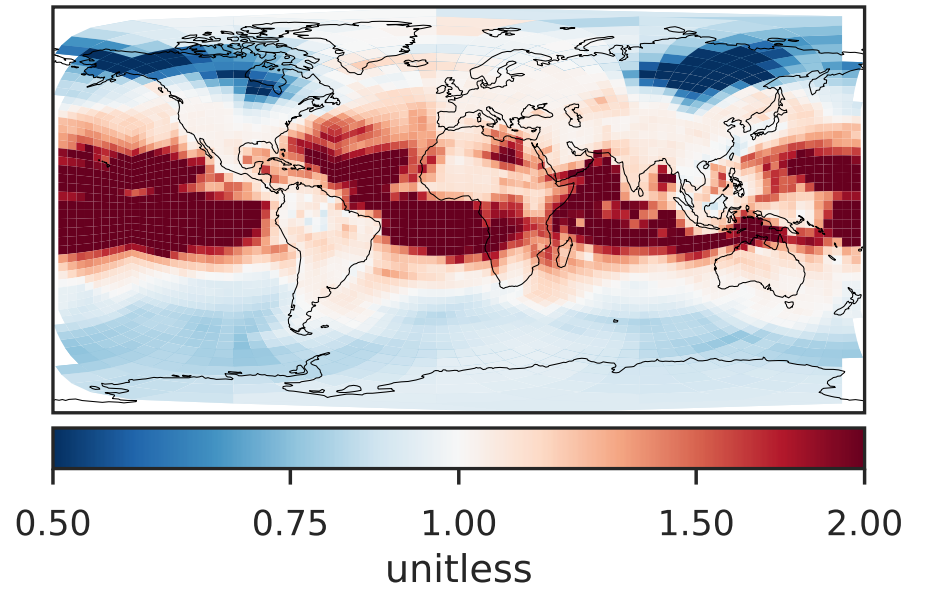
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



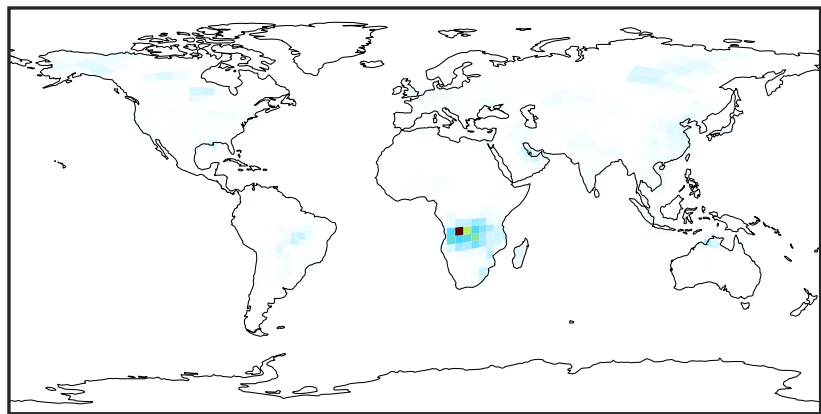
SpeciesConcVV_NPHEN

gchp-c24-1Mon-14.1.1 (Ref)
c24



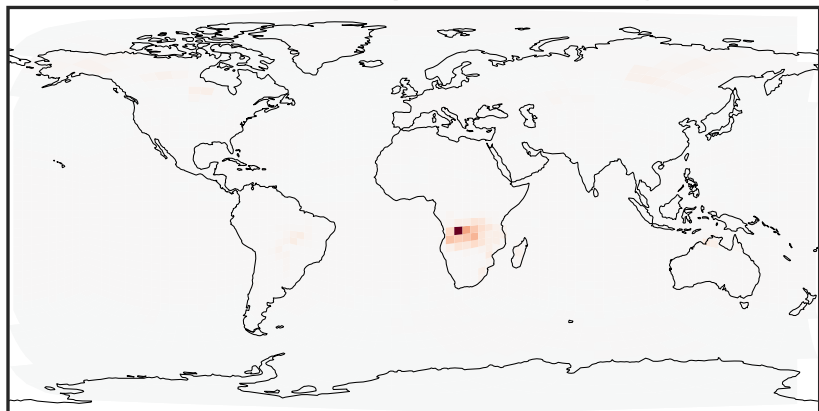
0.025 0.050 0.075
ppb

gchp-c24-1Mon-14.2.0-alpha.20 (Dev)
c24



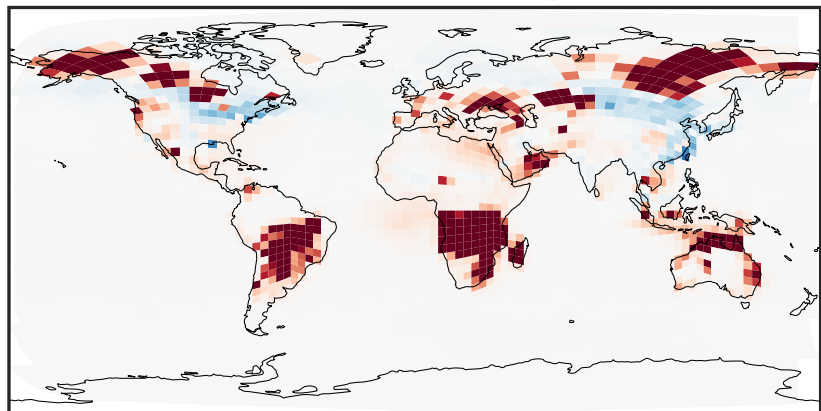
0.025 0.050 0.075
ppb

Difference
Dev - Ref, Dynamic Range



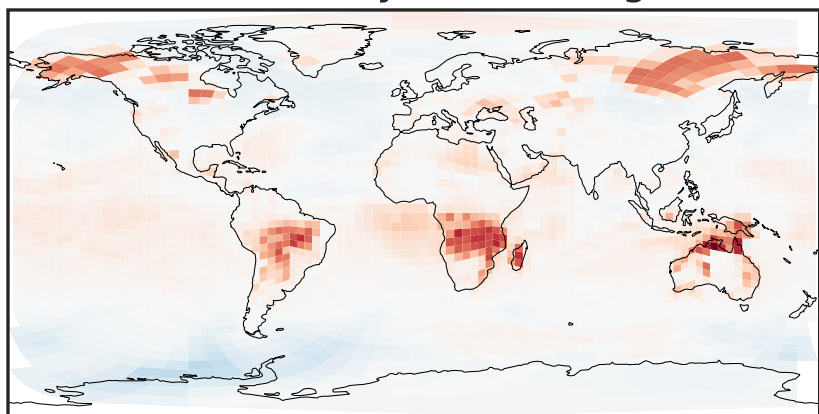
-0.0778 -0.0389 0.0000 0.0389 0.0778
ppb

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



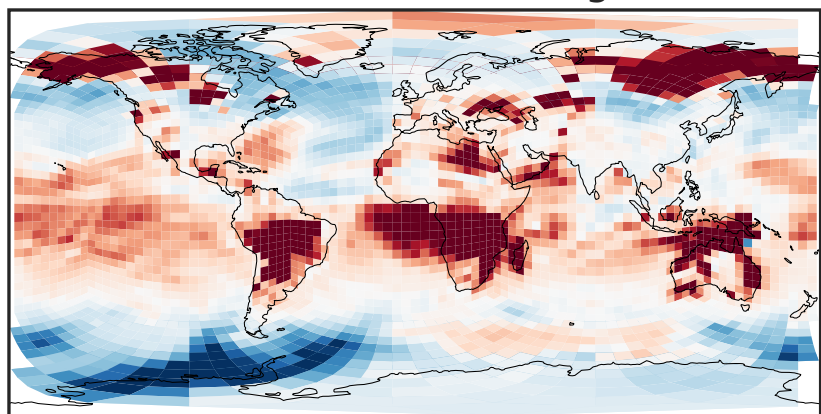
-0.0002 0.0000 0.0002
ppb

Ratio
Dev/Ref, Dynamic Range



1e-01 1 10
unitless

Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless