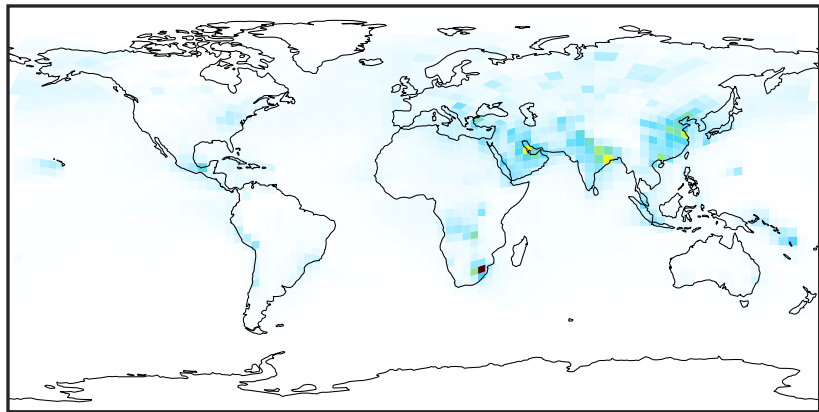


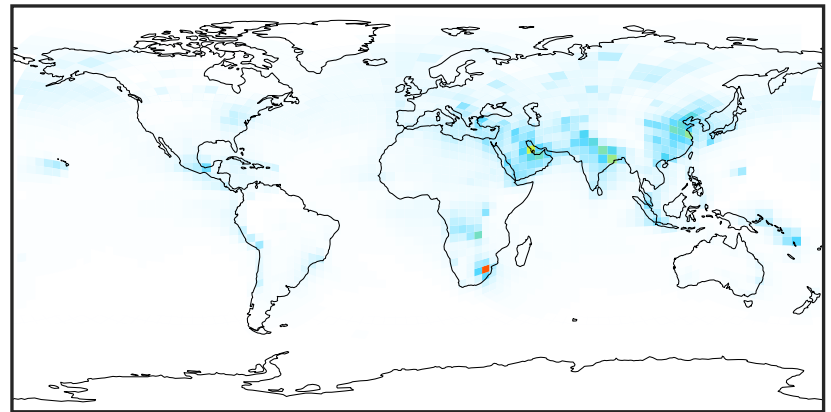
SpeciesConcVV_SOx (Jul2019)

GCHP_14.0.0 (Ref)
c24



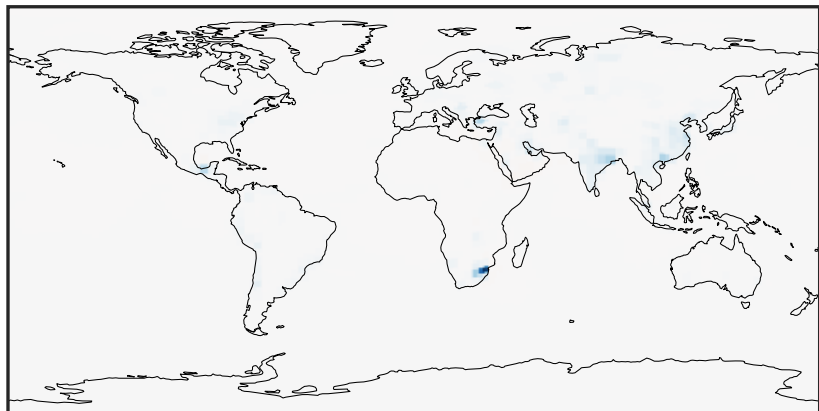
0.01 5.17 10.34 15.51 20.69
ppb

GCHP_14.2.0 (Dev)
c24



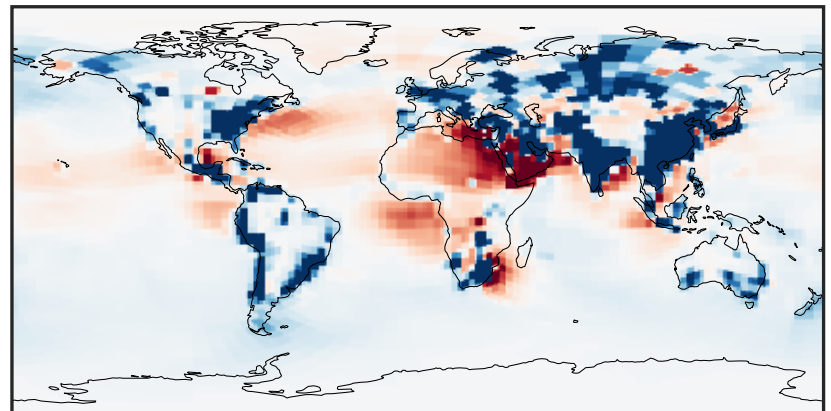
0.01 5.17 10.34 15.51 20.69
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



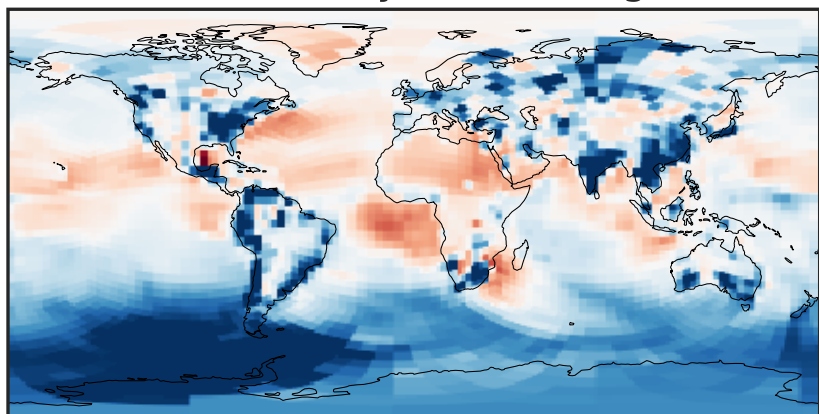
-6.94 -3.47 0.00 3.47 6.94
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



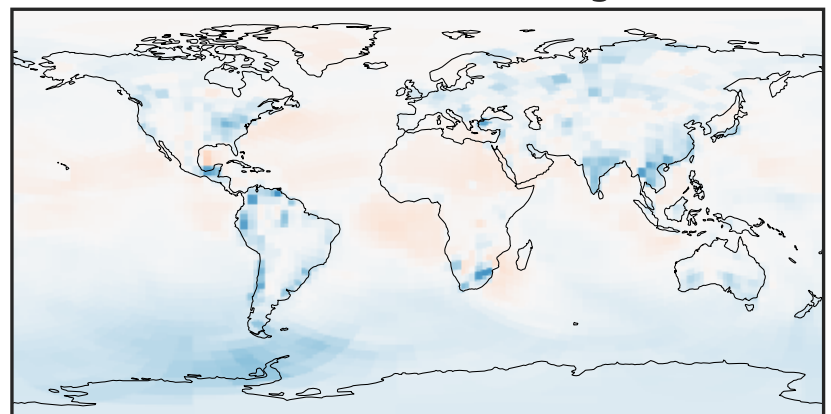
-0.0592 -0.0296 0.0000 0.0296 0.0592
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.8602 0.9301 1.0000 1.0812 1.1625
unitless

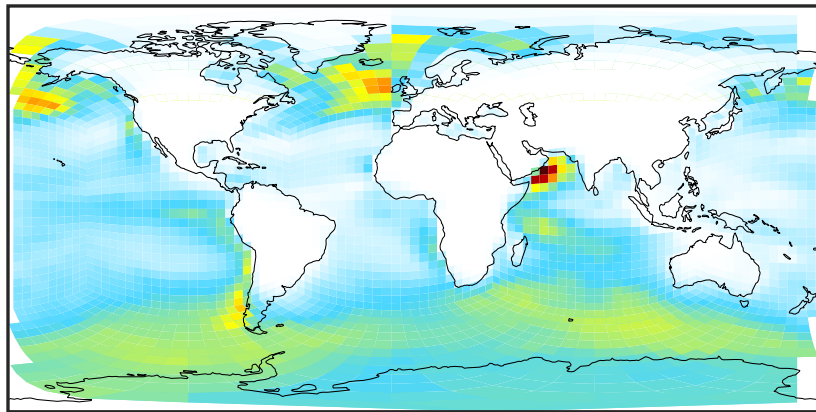
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

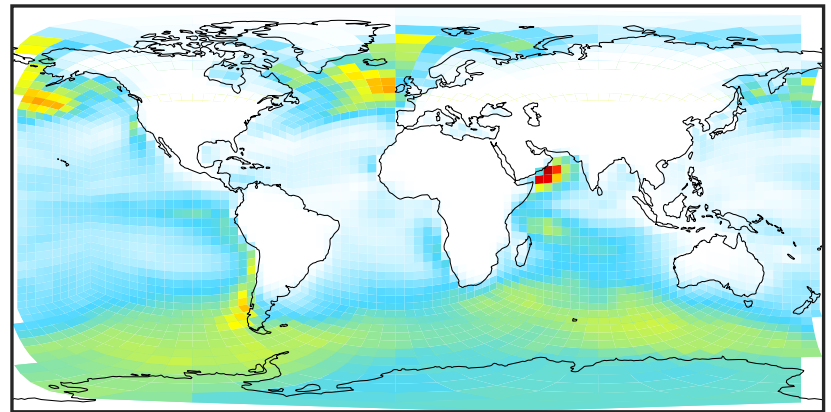
SpeciesConcVV_DMS (Jul2019)

GCHP_14.0.0 (Ref)
c24



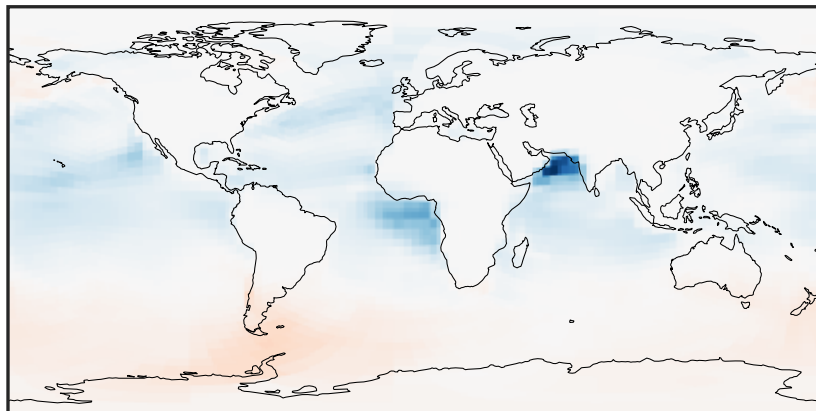
0.0000 0.1698 0.3397 0.5095 0.6794
ppb

GCHP_14.2.0 (Dev)
c24



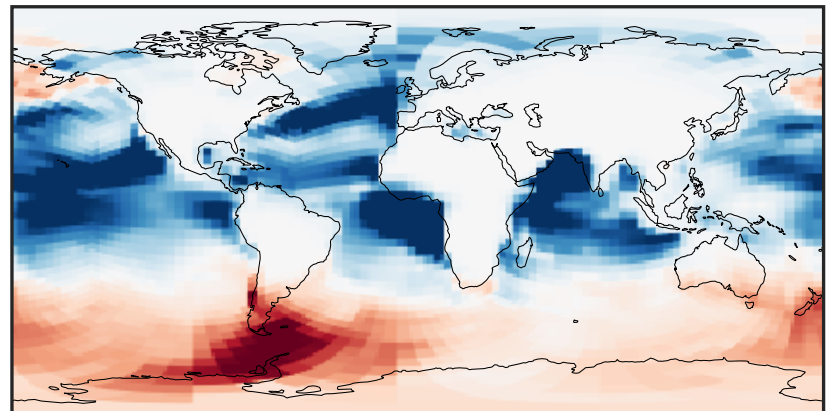
0.0000 0.1698 0.3397 0.5095 0.6794
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



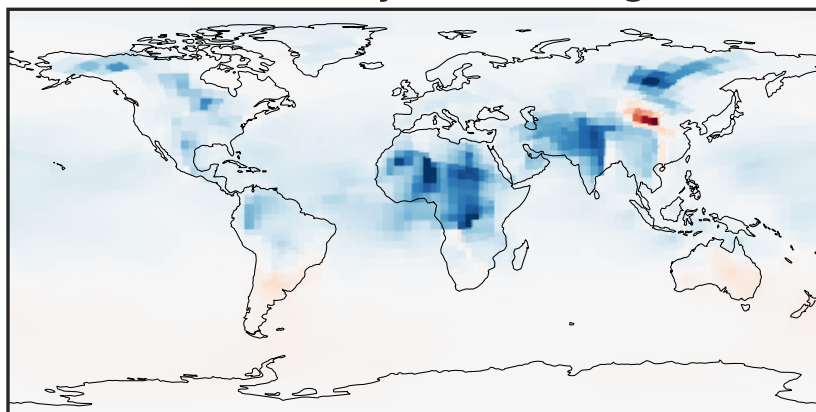
-0.10 -0.05 0.00 0.05 0.10
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



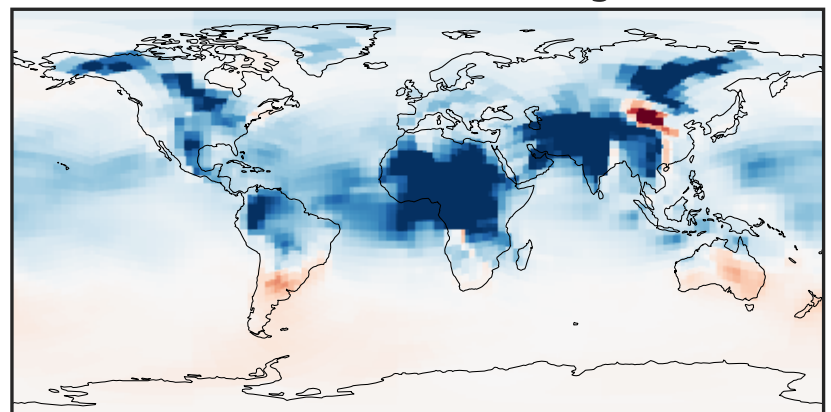
-0.01 0.00 0.01
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.142 0.571 1.000 4.024 7.047
unitless

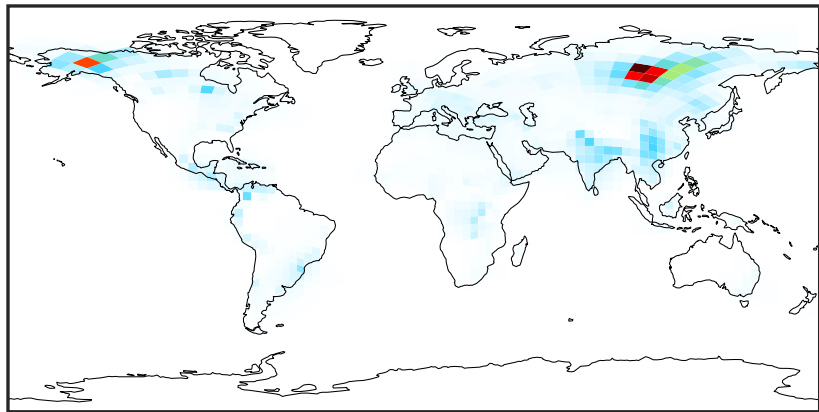
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

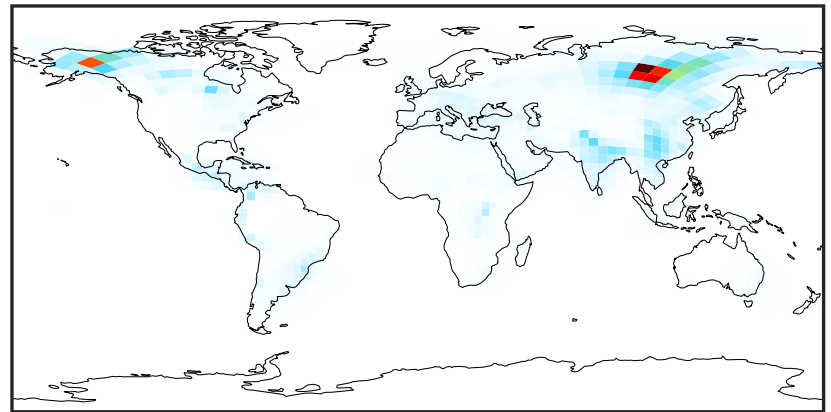
SpeciesConcVV_HMS (Jul2019)

GCHP_14.0.0 (Ref)
c24



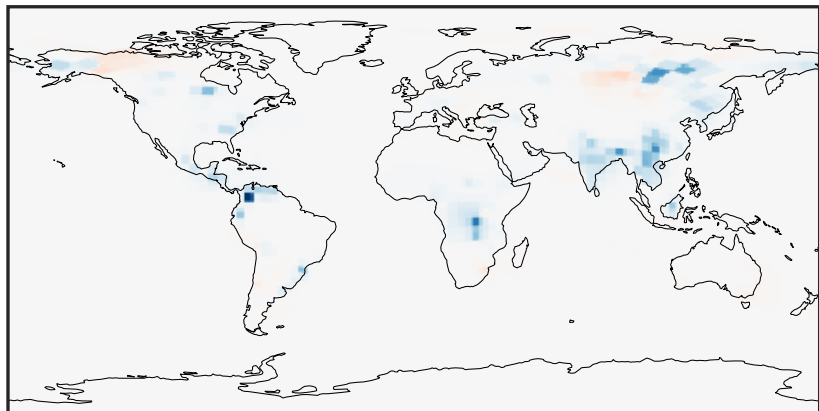
0.000 0.516 1.033 1.549 2.066
ppb

GCHP_14.2.0 (Dev)
c24



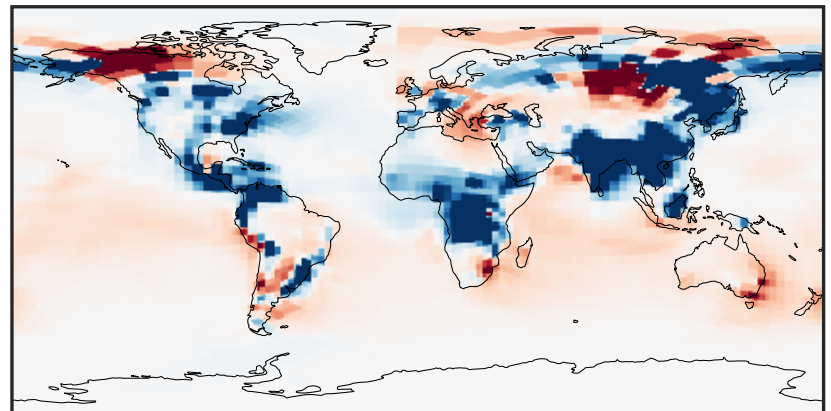
0.000 0.516 1.033 1.549 2.066
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



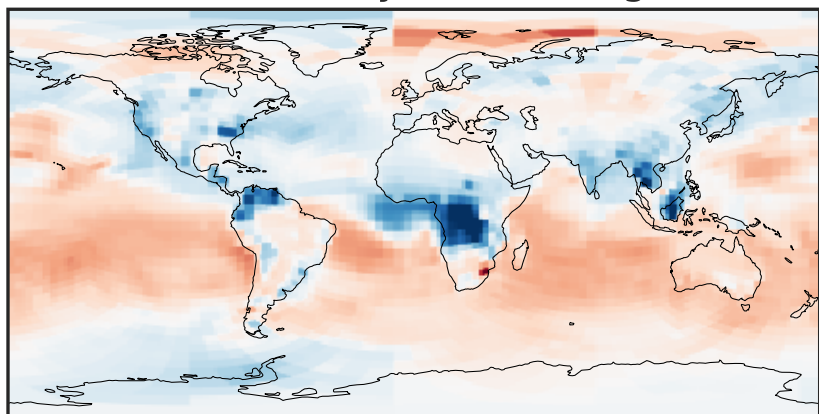
-0.1545 -0.0773 0.0000 0.0773 0.1545
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



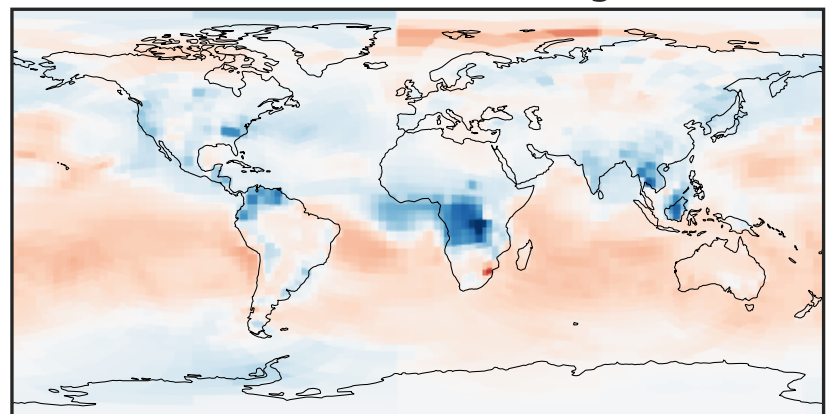
-0.003 0.000 0.003
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.602 0.801 1.000 1.331 1.661
unitless

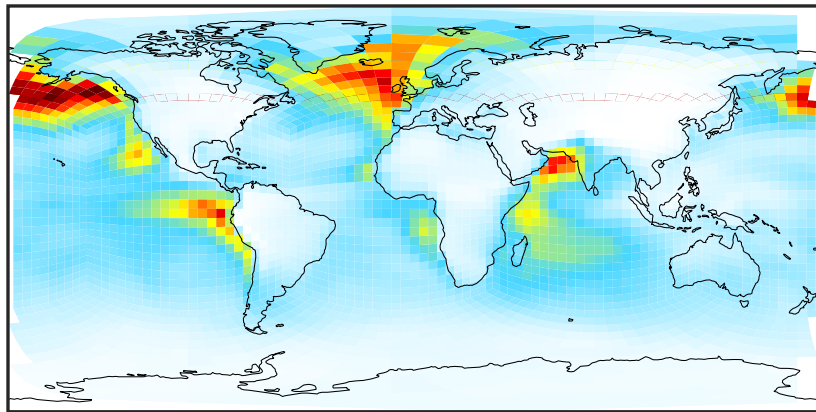
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

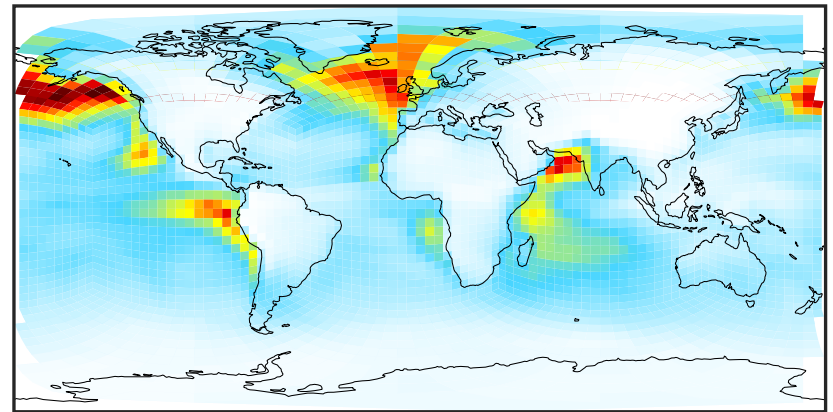
SpeciesConcVV_MSA (Jul2019)

GCHP_14.0.0 (Ref)
c24



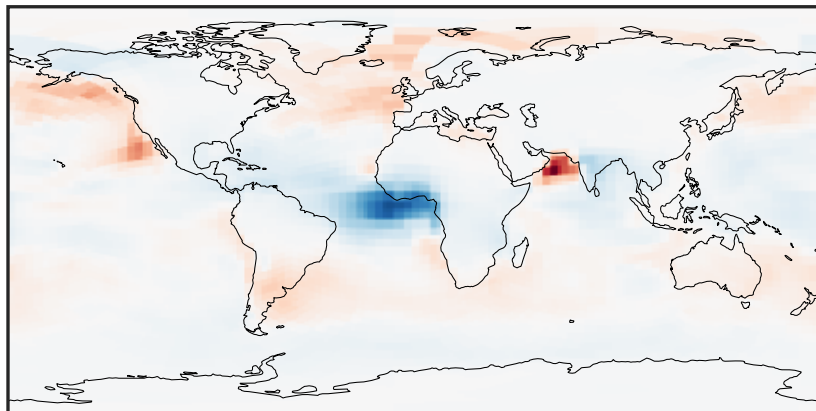
0.015 0.030 0.045
ppb

GCHP_14.2.0 (Dev)
c24



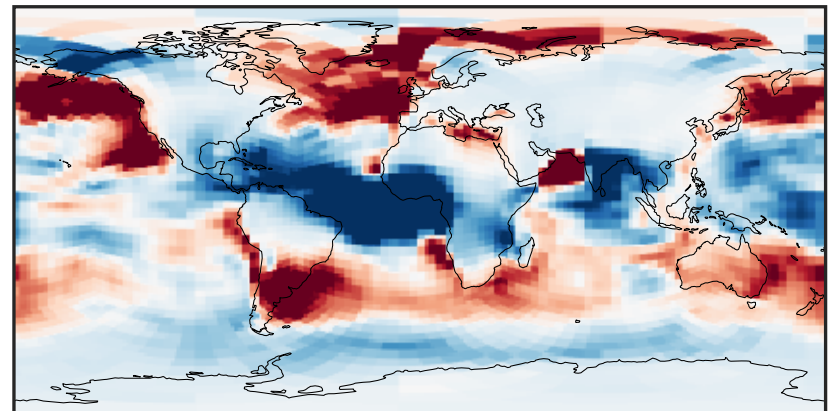
0.015 0.030 0.045
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



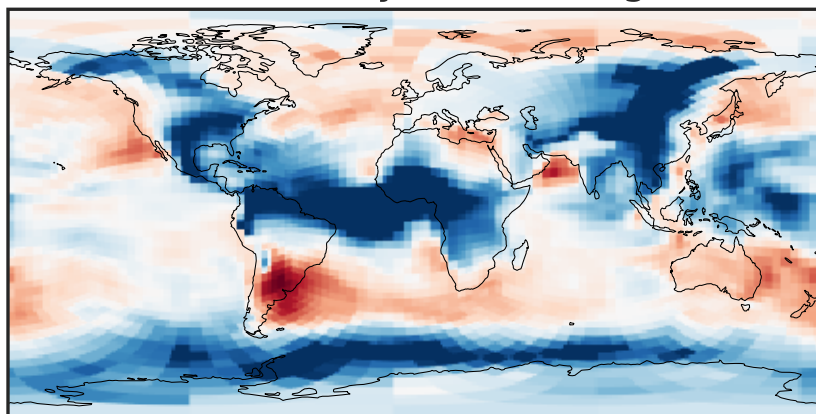
-0.0025 0.0000 0.0025
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



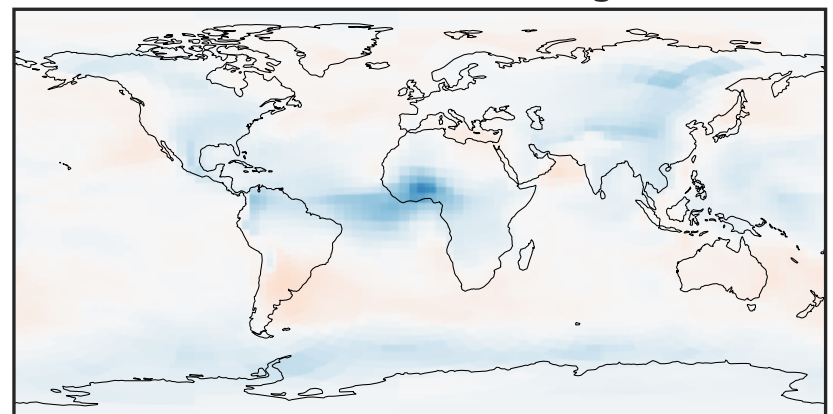
-0.0003 0.0000 0.0003
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.8921 0.9461 1.0000 1.0605 1.1209
unitless

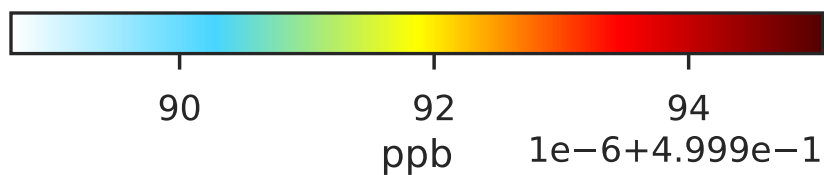
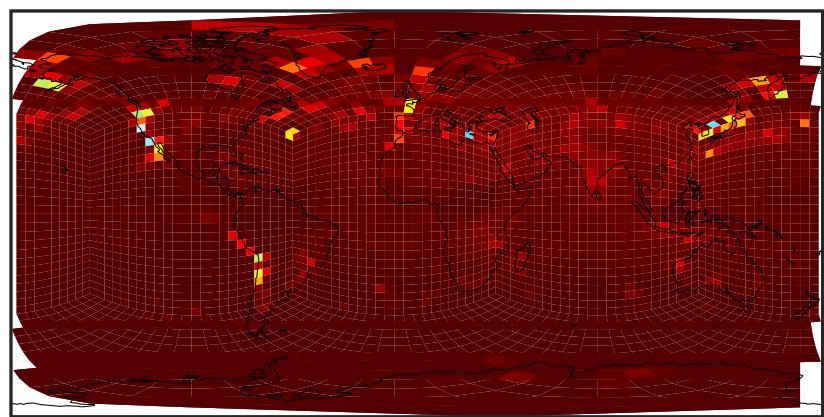
Ratio (1x1.25)
Dev/Ref, Fixed Range



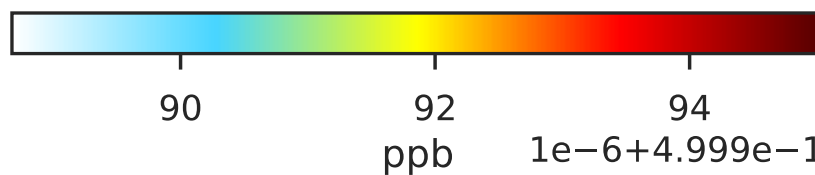
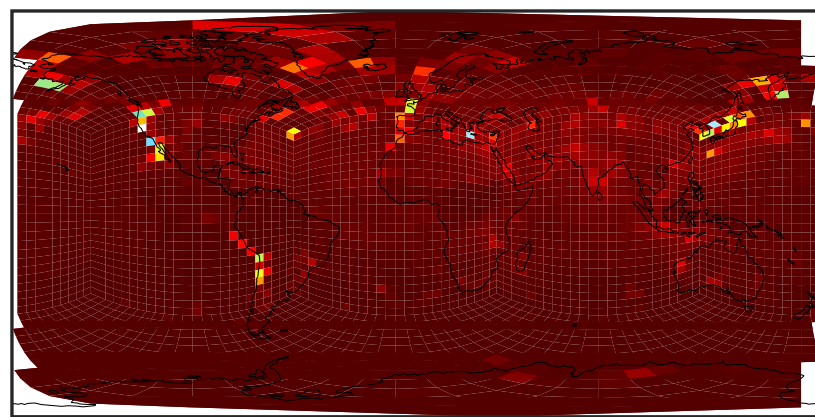
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_OCS (Jul2019)

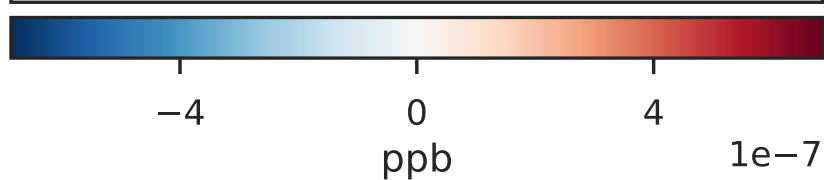
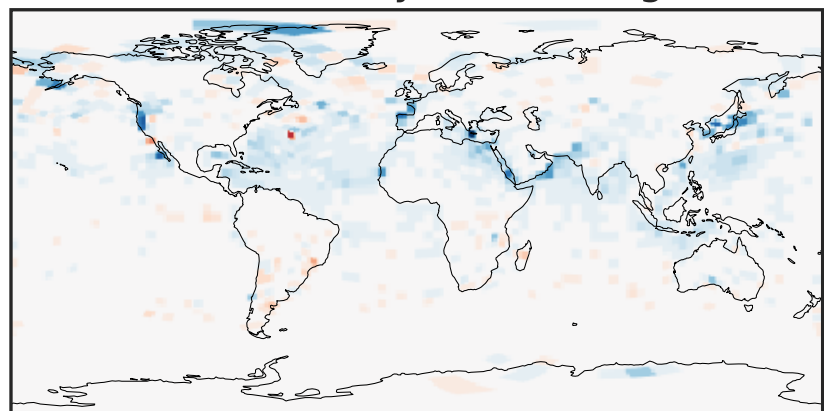
GCHP_14.0.0 (Ref)
c24



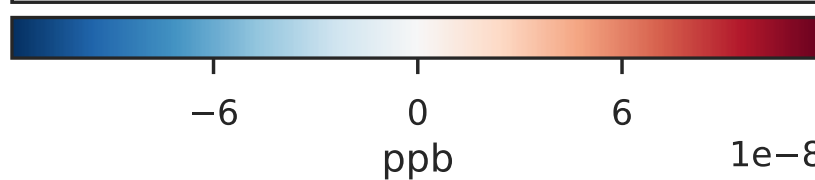
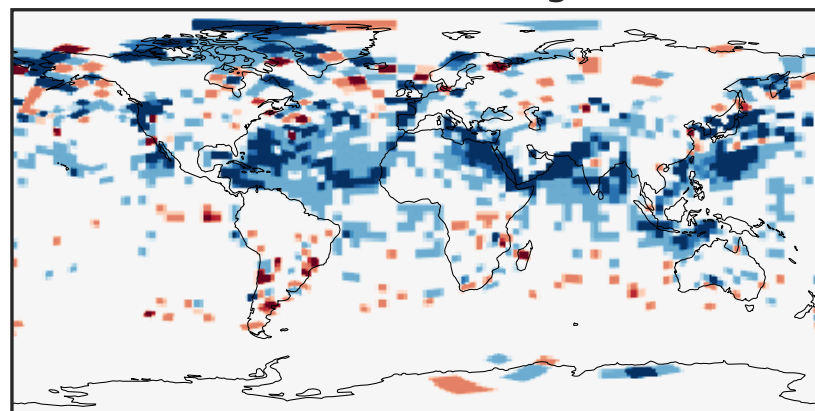
GCHP_14.2.0 (Dev)
c24



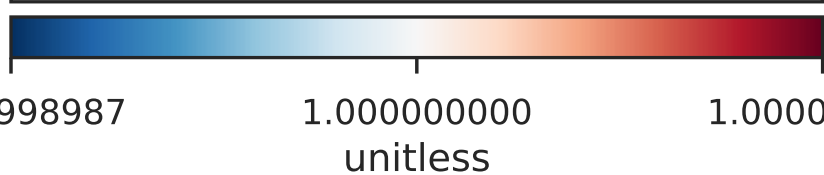
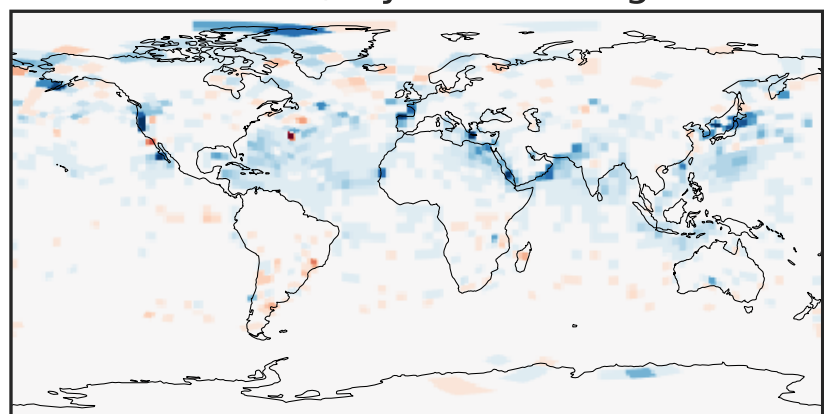
Difference (1x1.25)
Dev - Ref, Dynamic Range



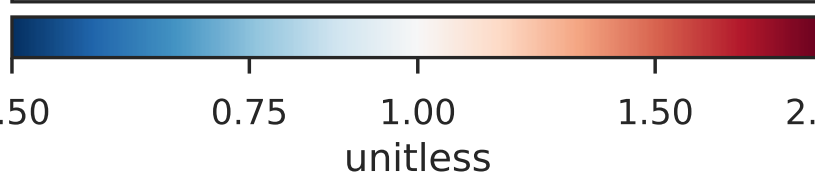
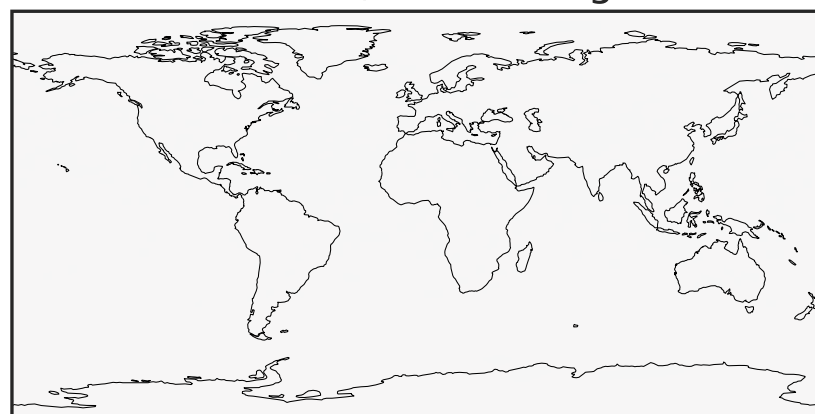
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range



Ratio (1x1.25)
Dev/Ref, Fixed Range



0.999998987

1.000000000

1.000001013

0.50

0.75

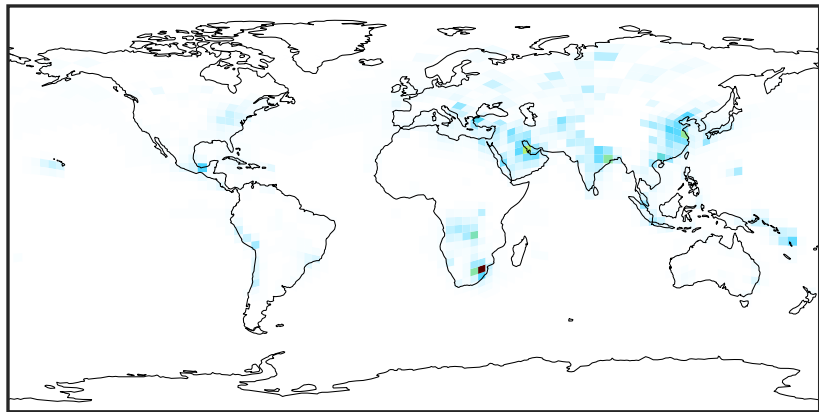
1.00

1.50

2.00

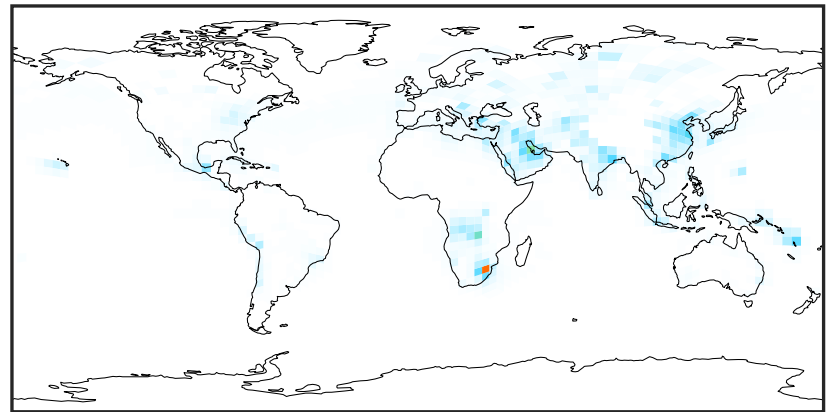
SpeciesConcVV_SO2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



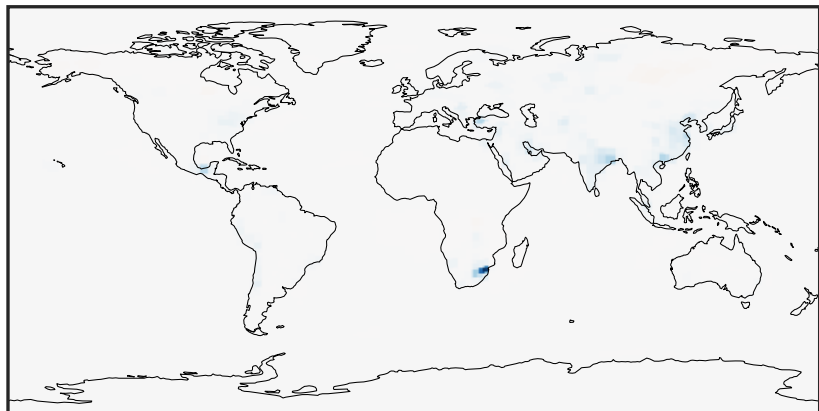
0.00 4.83 9.66 14.49 19.32
ppb

GCHP_14.2.0 (Dev)
c24



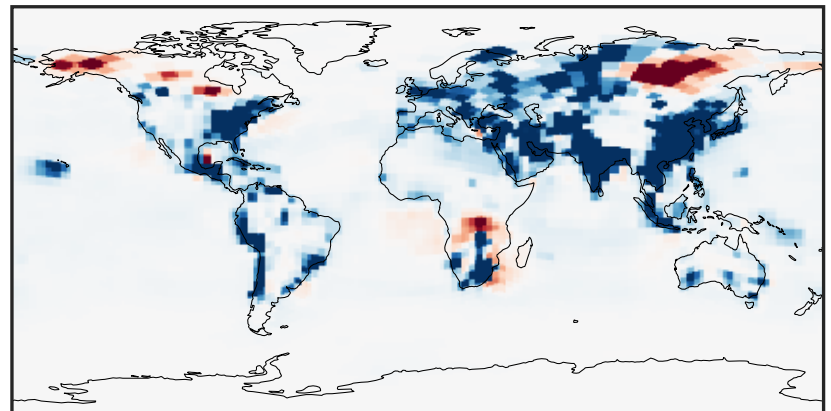
0.00 4.83 9.66 14.49 19.32
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



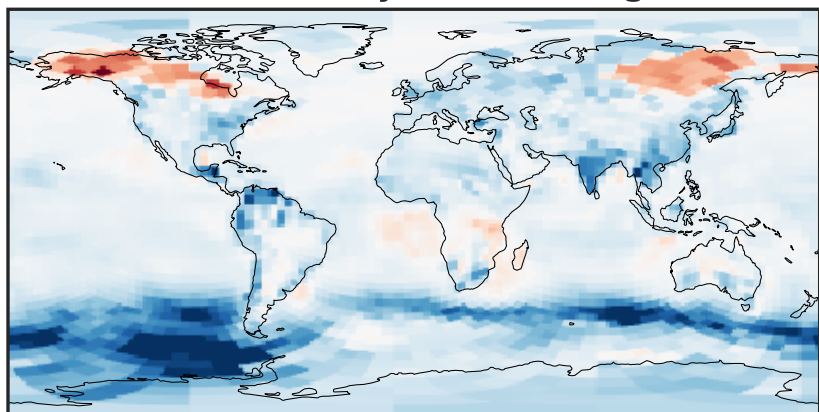
-6.86 -3.43 0.00 3.43 6.86
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



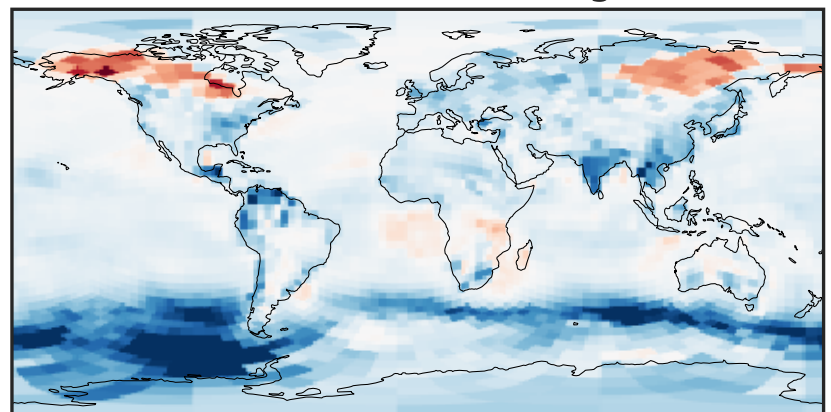
-0.0618 -0.0309 0.0000 0.0309 0.0618
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.469 0.734 1.000 1.567 2.133
unitless

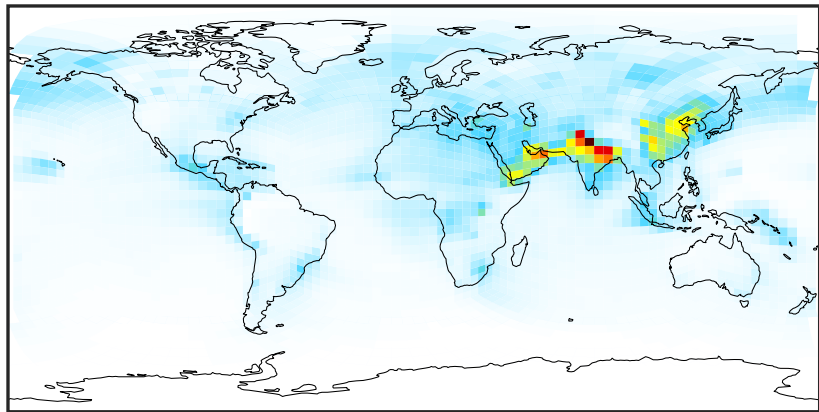
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

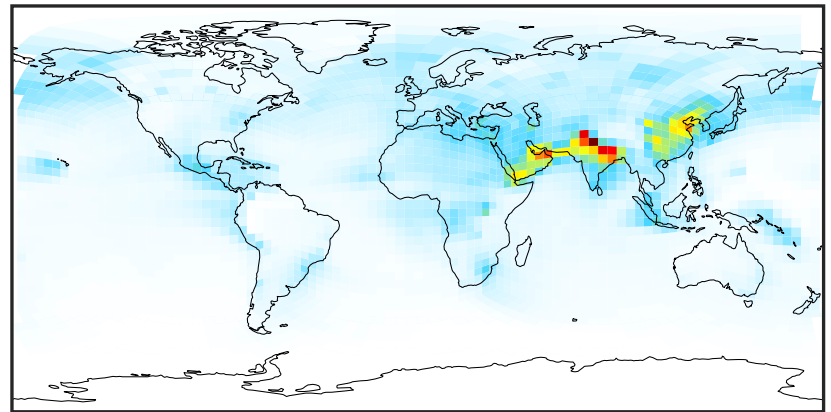
SpeciesConcVV_SO4 (Jul2019)

GCHP_14.0.0 (Ref)
c24



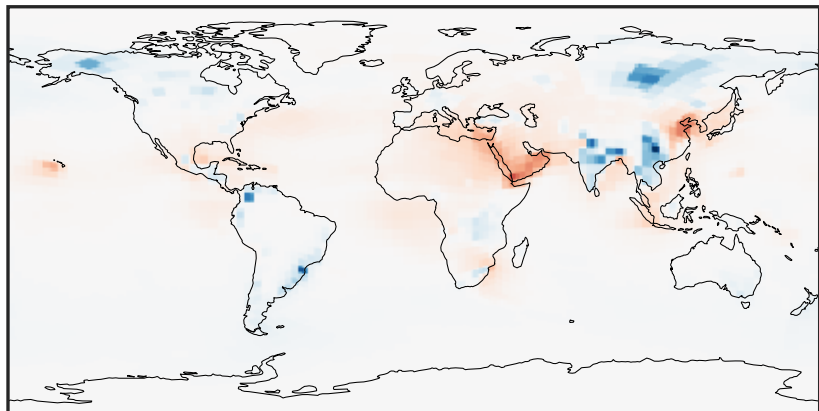
0.008 1.224 2.449 3.673 4.905
ppb

GCHP_14.2.0 (Dev)
c24



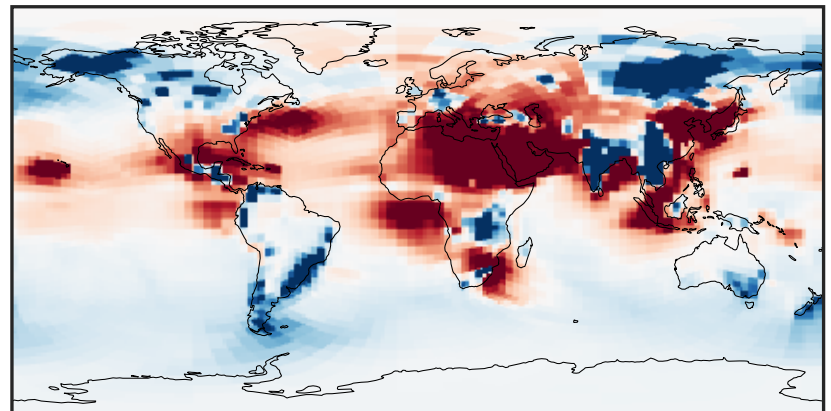
0.008 1.224 2.449 3.673 4.905
ppb

Difference (1x1.25)
Dev - Ref, Dynamic Range



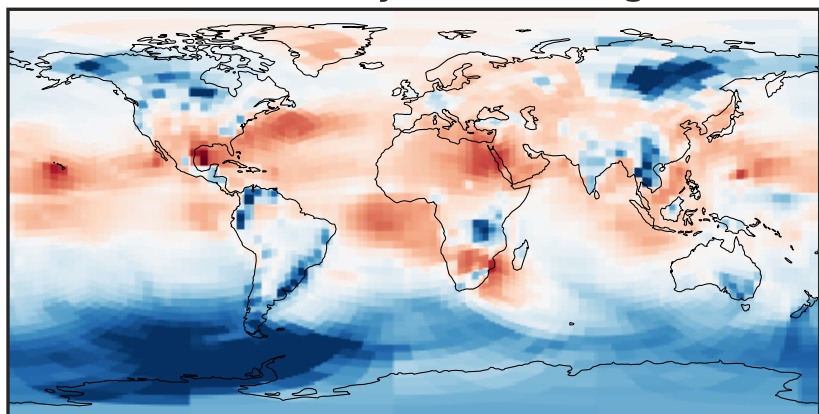
-0.3136 -0.1568 0.0000 0.1568 0.3136
ppb

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



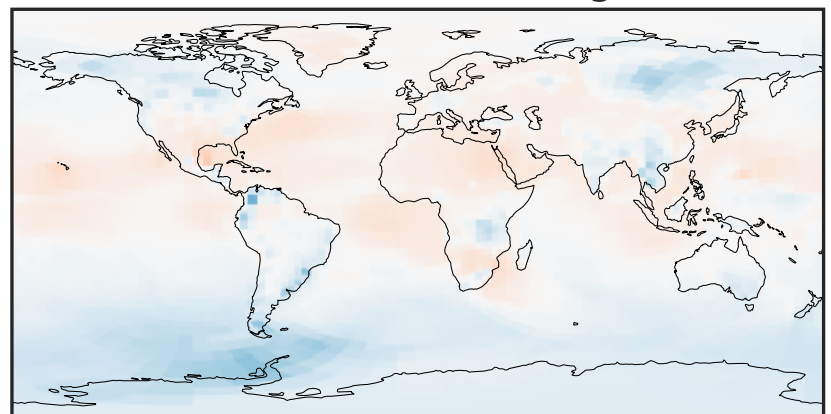
-0.015 0.000 0.015
ppb

Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.8453 0.9227 1.0000 1.0915 1.1829
unitless

Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless