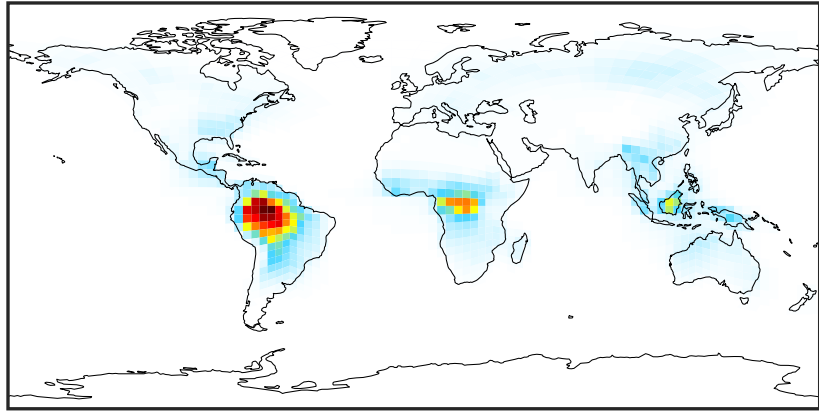


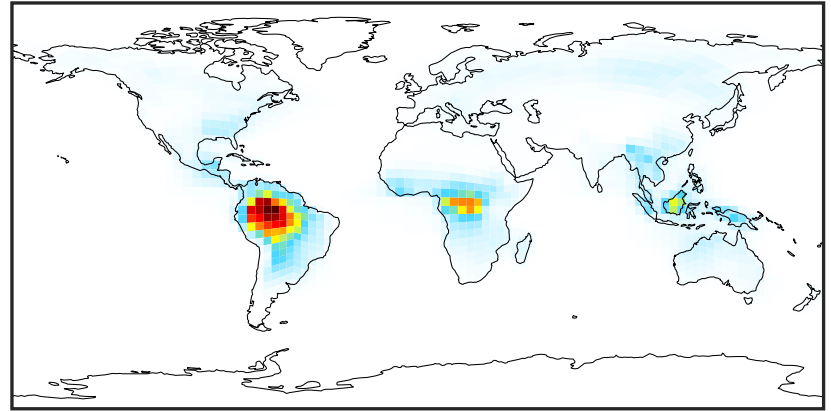
SpeciesConcVV_TSOA0 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



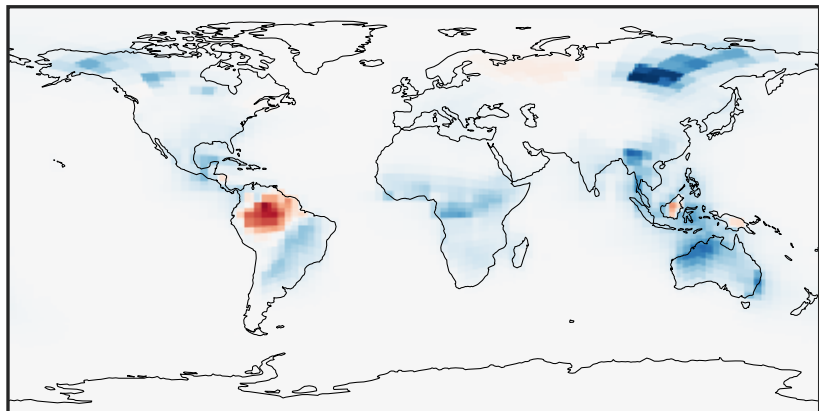
0.000 0.569 1.139 1.708 2.277
µg/m3

GCHP_14.2.0 (Dev)
c24



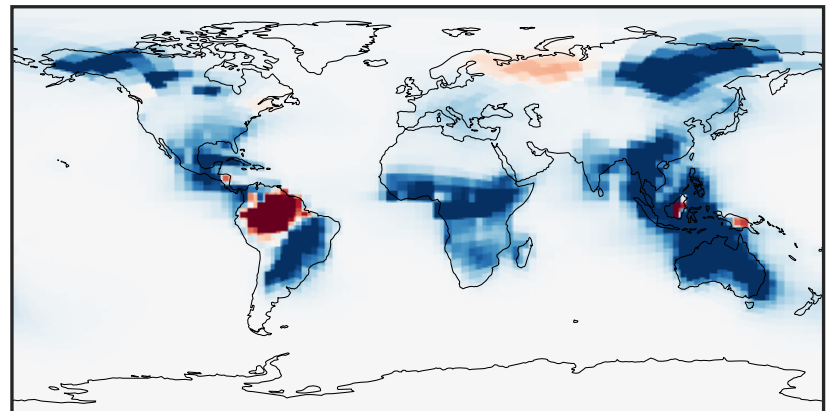
0.000 0.569 1.139 1.708 2.277
µg/m3

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



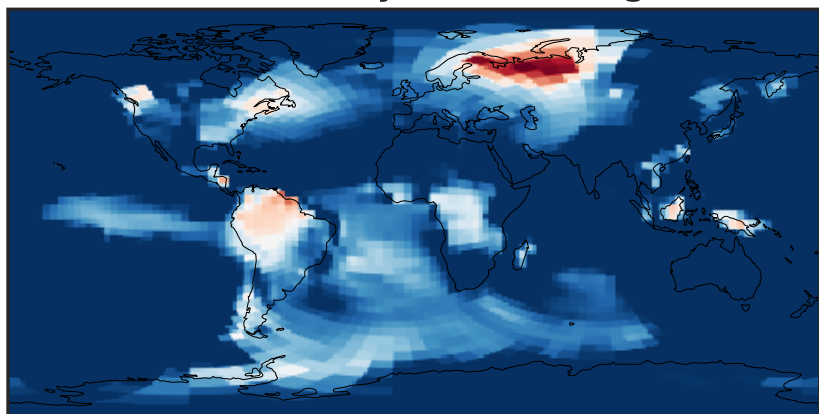
-0.01 0.00 0.01
µg/m3

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



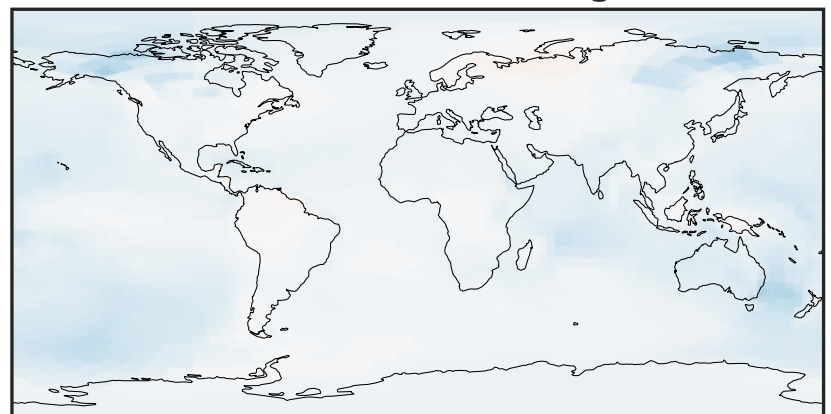
-0.0025 0.0000 0.0025
µg/m3

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



0.96748 0.98374 1.00000 1.01681 1.03361
unitless

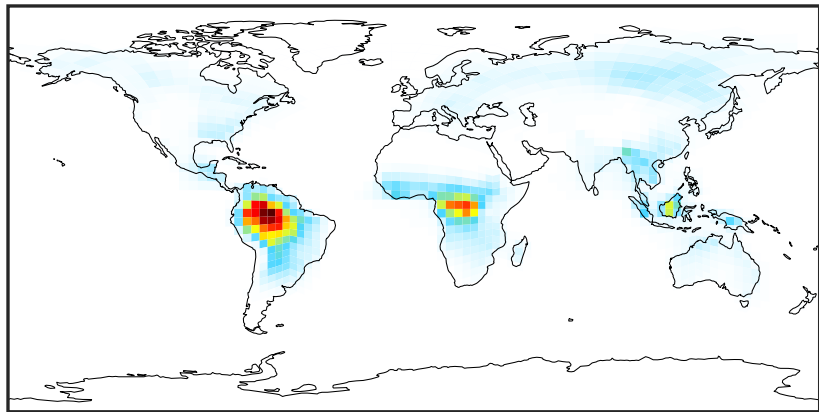
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

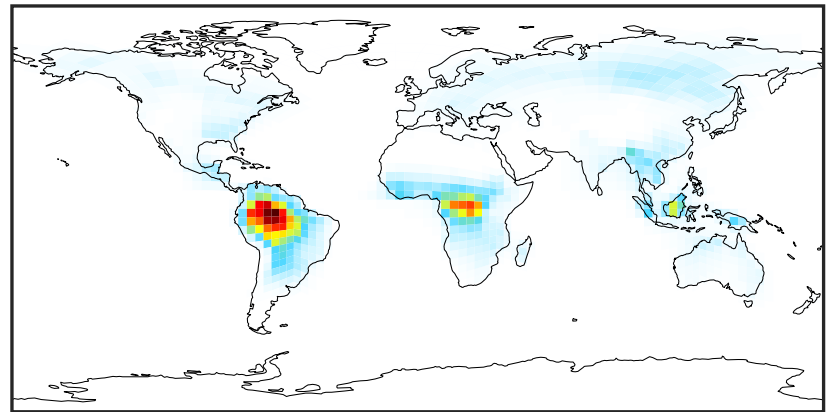
SpeciesConcVV_TSOA1 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



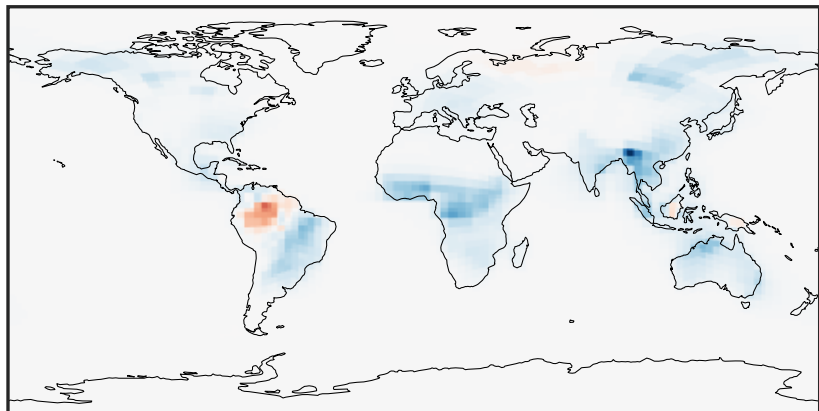
0.0000 0.2296 0.4593 0.6889 0.9186
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



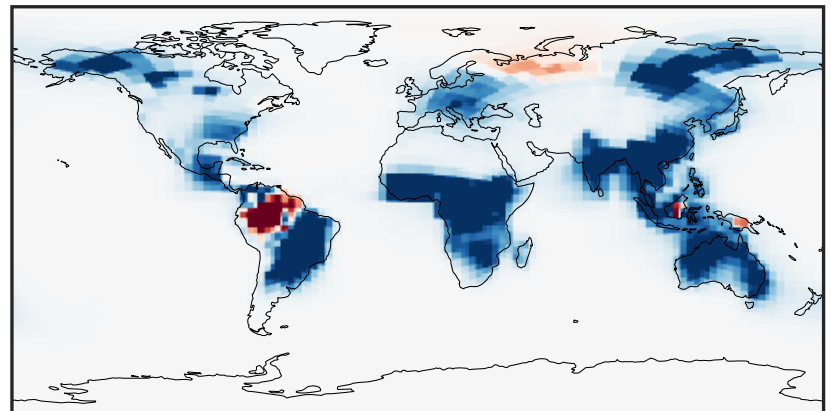
0.0000 0.2296 0.4593 0.6889 0.9186
 $\mu\text{g}/\text{m}^3$

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



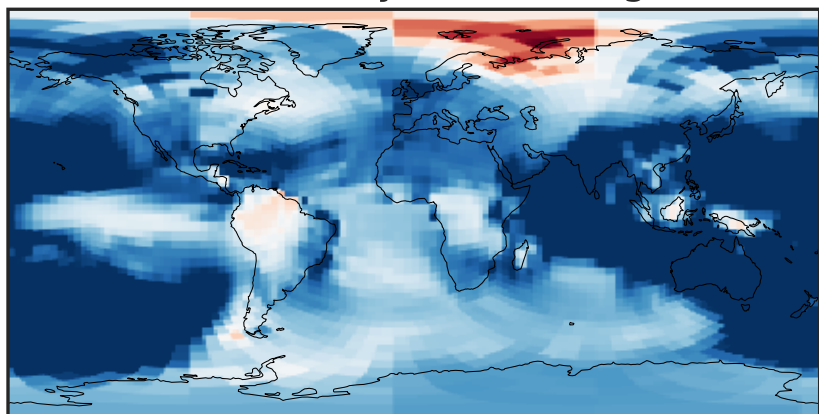
-0.008 0.000 0.008
 $\mu\text{g}/\text{m}^3$

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



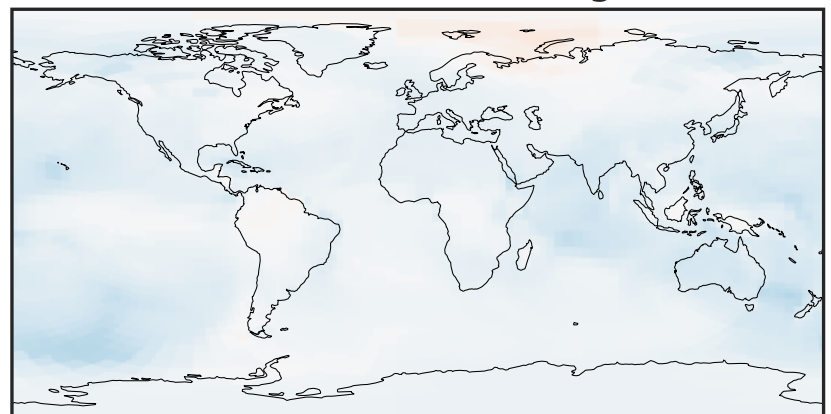
-0.0015 0.0000 0.0015
 $\mu\text{g}/\text{m}^3$

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



0.9282 0.9641 1.0000 1.0387 1.0773
unitless

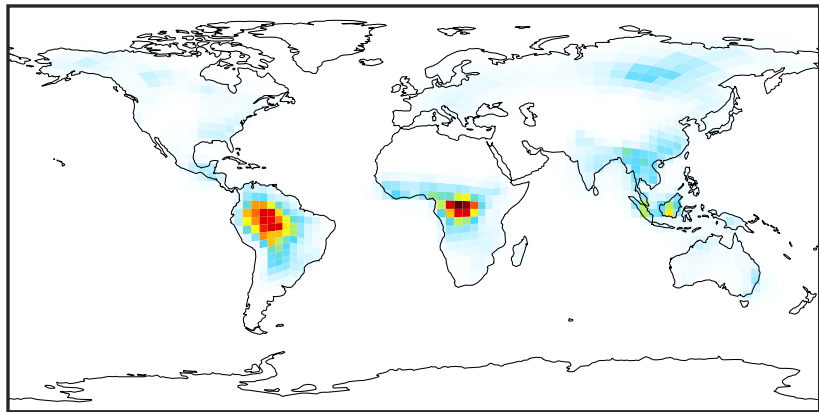
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

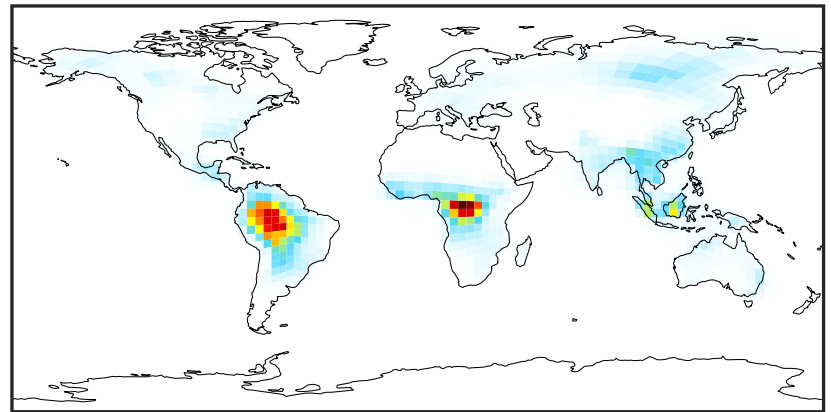
SpeciesConcVV_TSOA2 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



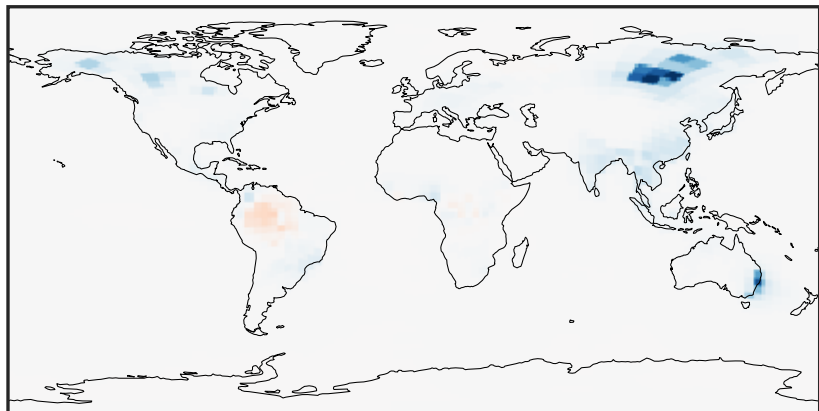
0.000 0.835 1.670 2.505 3.340
µg/m3

GCHP_14.2.0 (Dev)
c24



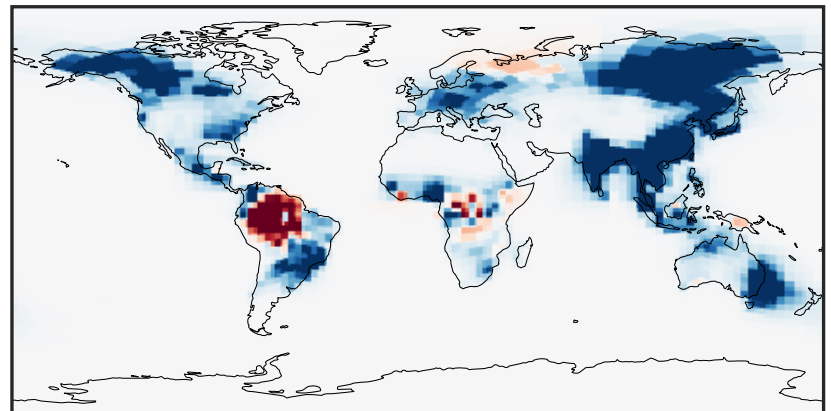
0.000 0.835 1.670 2.505 3.340
µg/m3

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



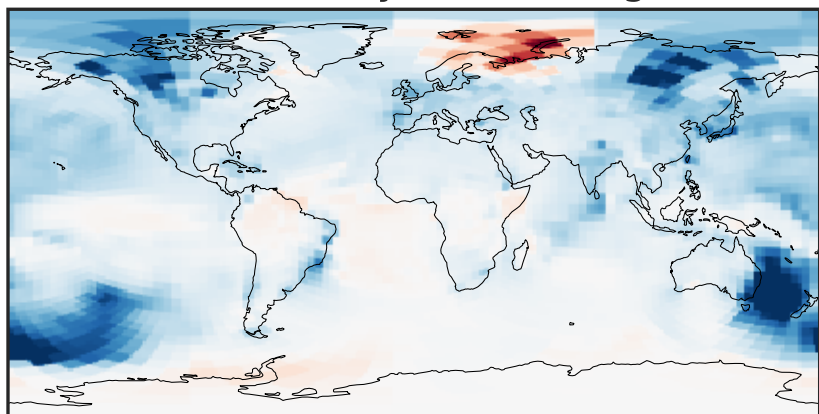
-0.1538 -0.0769 0.0000 0.0769 0.1538
µg/m3

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



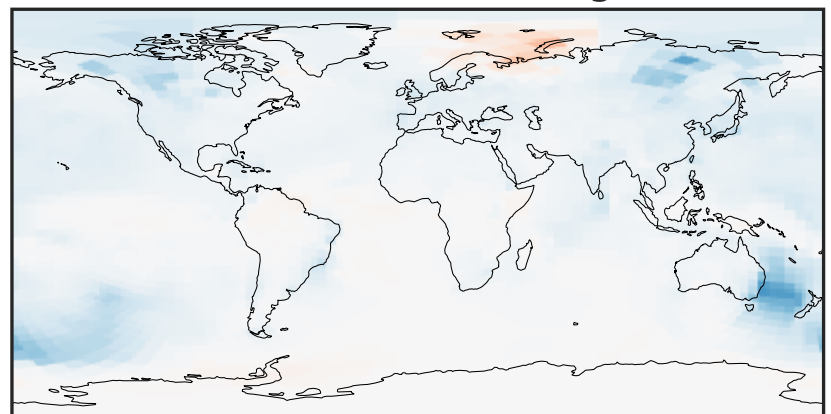
-0.004 0.000 0.004
µg/m3

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



0.8066 0.9033 1.0000 1.1199 1.2398
unitless

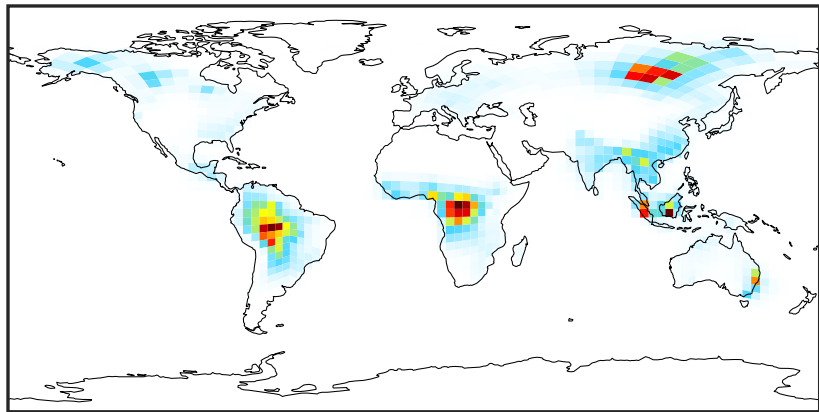
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

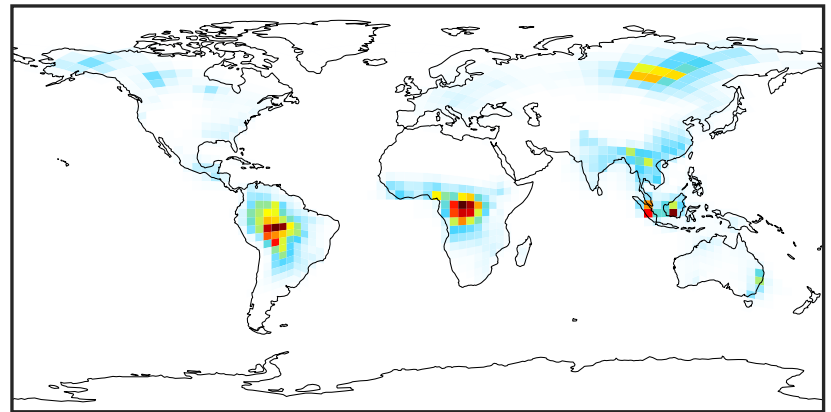
SpeciesConcVV_TSOA3 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



0.000 0.270 0.541 0.811 1.082
µg/m3

GCHP_14.2.0 (Dev)
c24



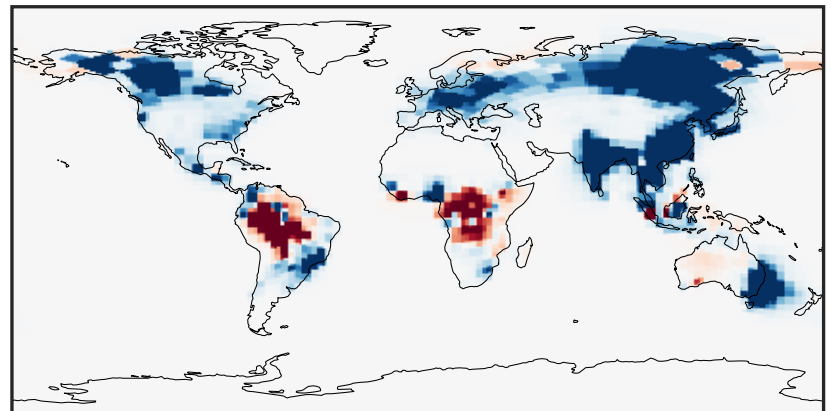
0.000 0.270 0.541 0.811 1.082
µg/m3

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



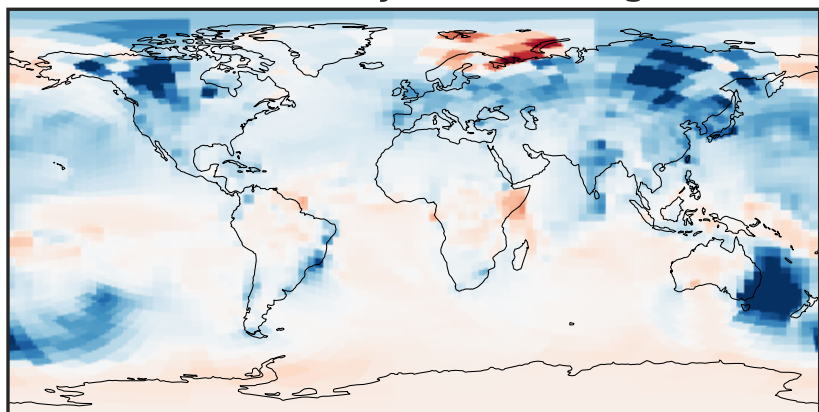
-0.2949 -0.1475 0.0000 0.1475 0.2949
µg/m3

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



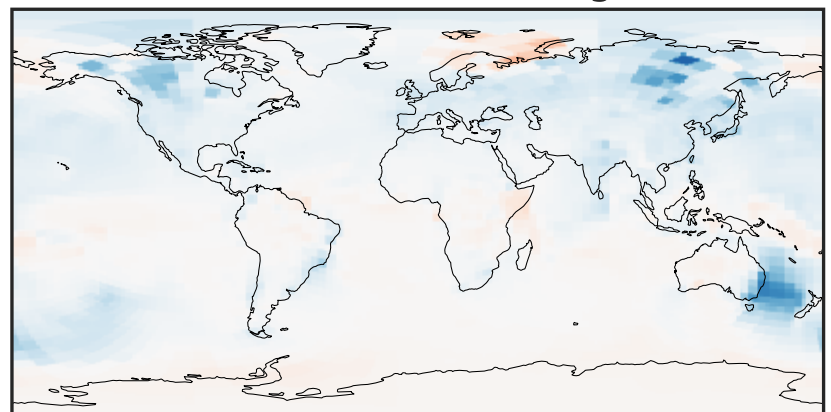
-0.002 0.000 0.002
µg/m3

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



0.7948 0.8974 1.0000 1.1291 1.2582
unitless

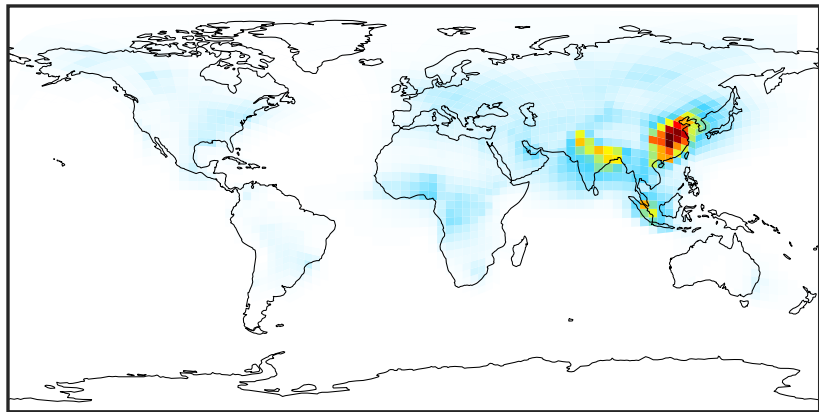
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

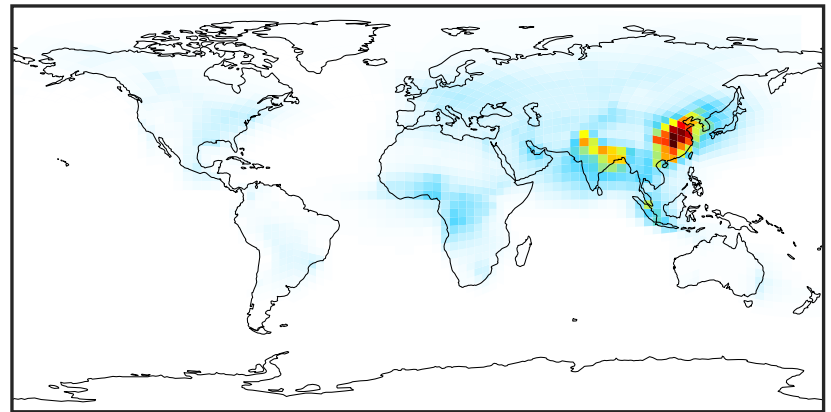
SpeciesConcVV_ASOA1 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



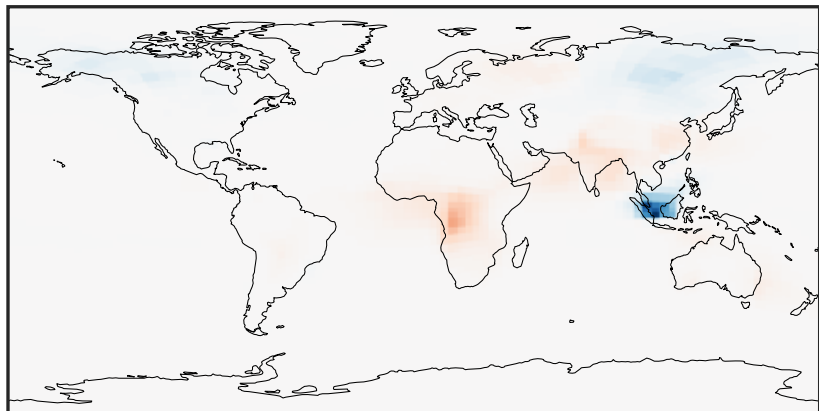
0.0000 0.0329 0.0658 0.0987 0.1315
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



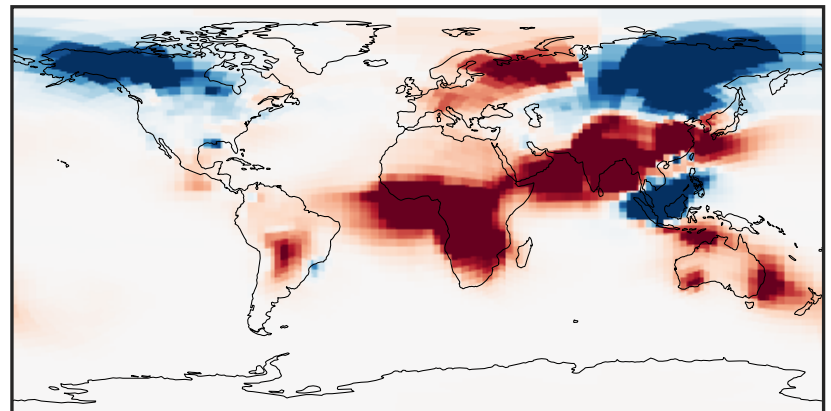
0.0000 0.0329 0.0658 0.0987 0.1315
 $\mu\text{g}/\text{m}^3$

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



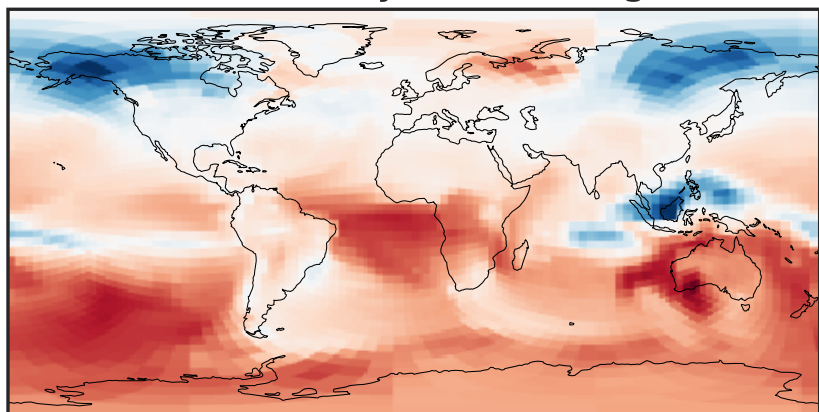
-0.015 0.000 0.015
 $\mu\text{g}/\text{m}^3$

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



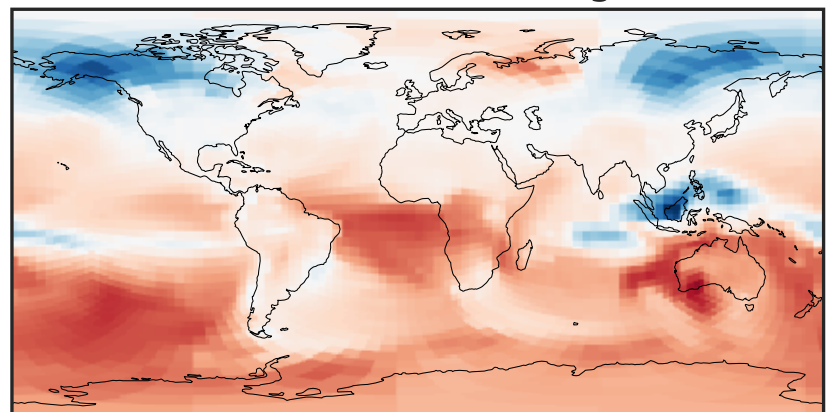
-0.0004 0.0000 0.0004
 $\mu\text{g}/\text{m}^3$

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



0.540 0.770 1.000 1.426 1.852
unitless

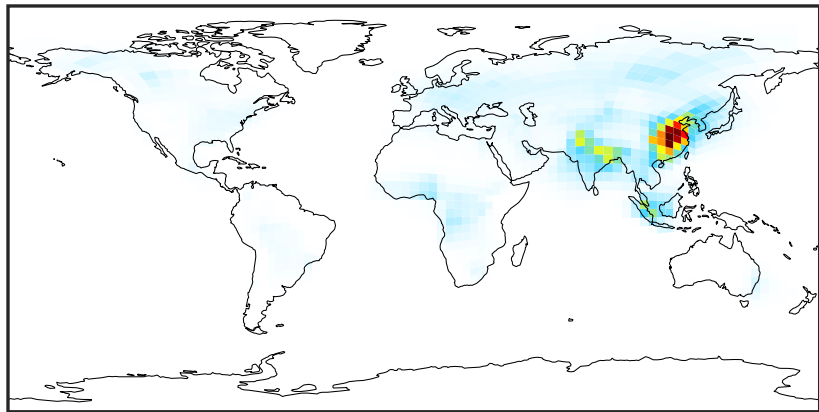
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

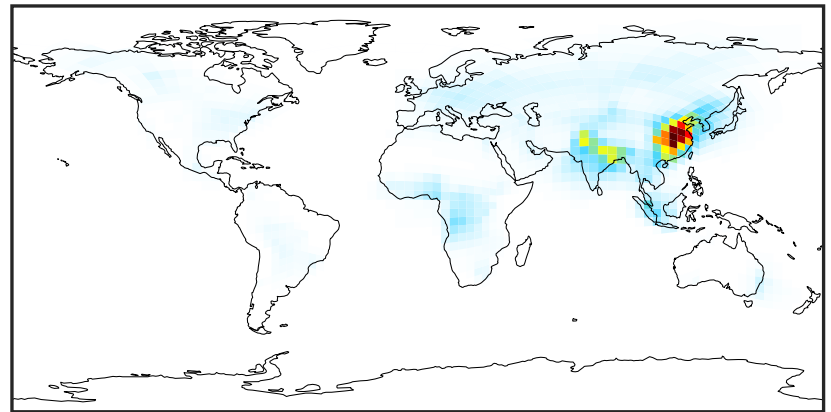
SpeciesConcVV_ASOA2 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



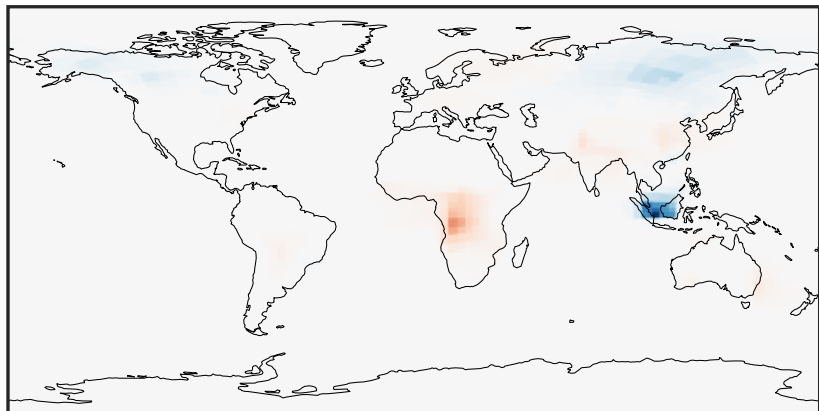
0.0000 0.0319 0.0638 0.0957 0.1276
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



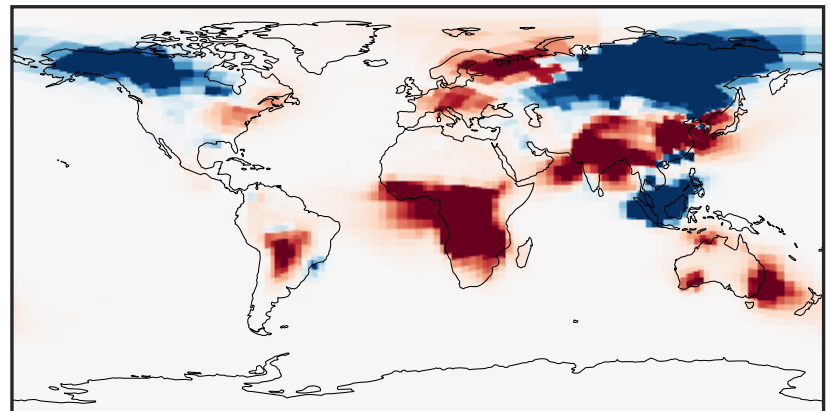
0.0000 0.0319 0.0638 0.0957 0.1276
 $\mu\text{g}/\text{m}^3$

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



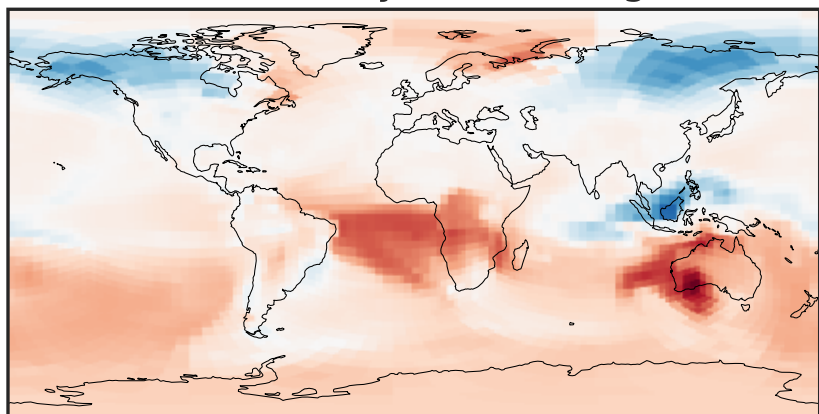
-0.01 0.00 0.01
 $\mu\text{g}/\text{m}^3$

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



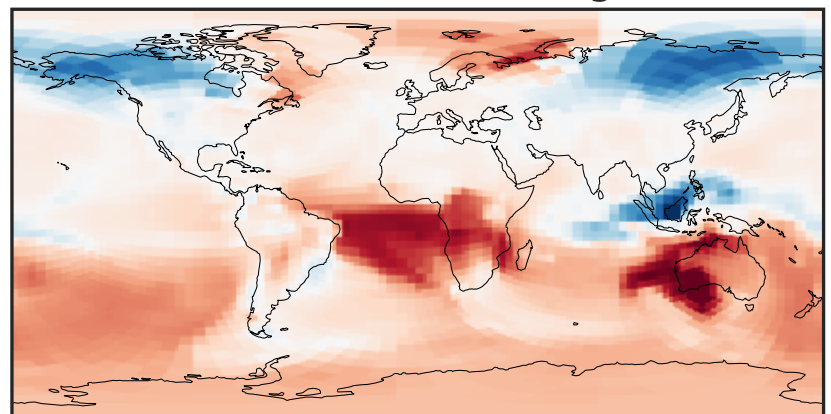
-0.00025 0.00000 0.00025
 $\mu\text{g}/\text{m}^3$

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



0.386 0.693 1.000 1.796 2.592
unitless

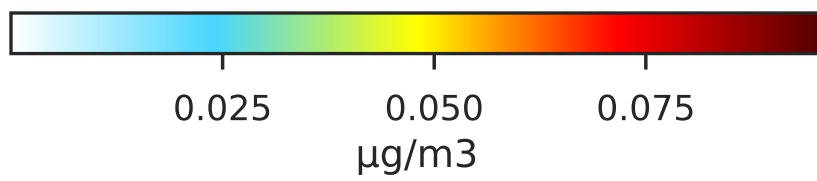
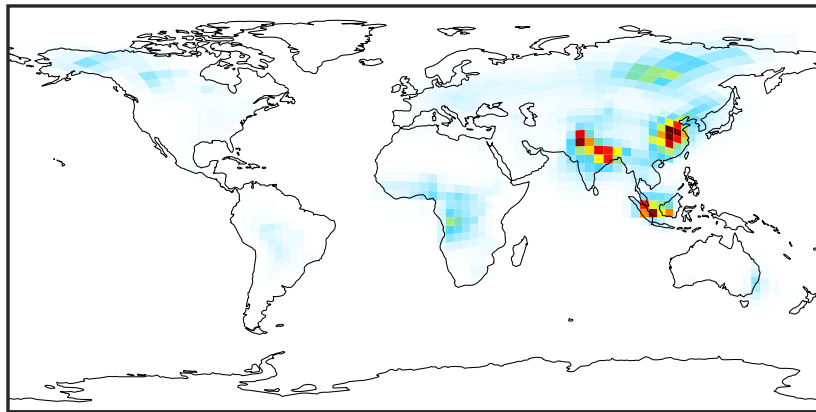
Ratio (1x1.25)
Dev/Ref, Fixed Range



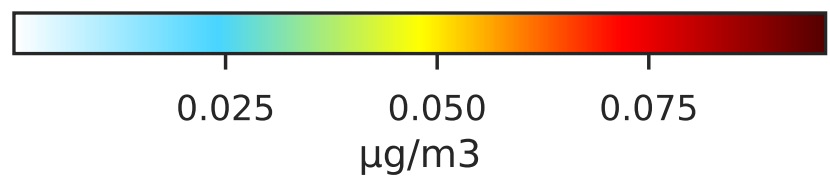
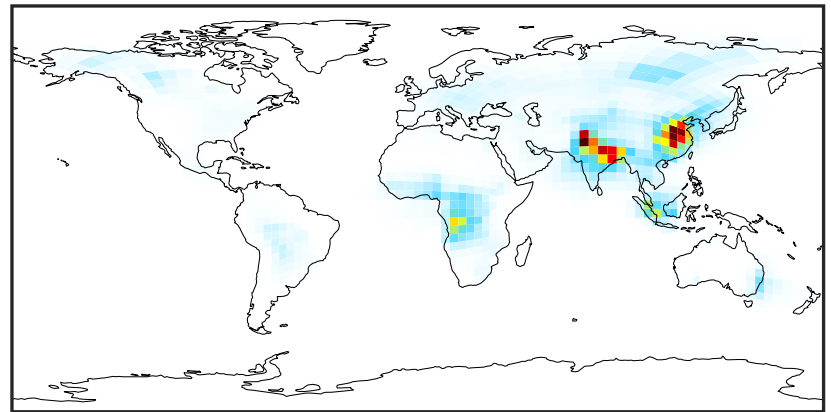
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ASOA3 (AnnualMean)

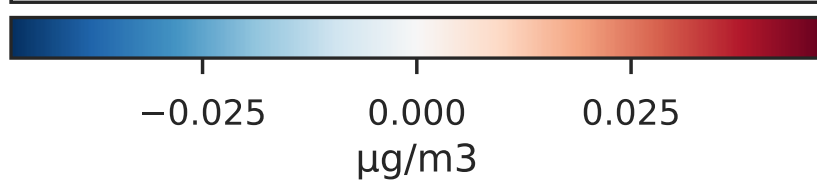
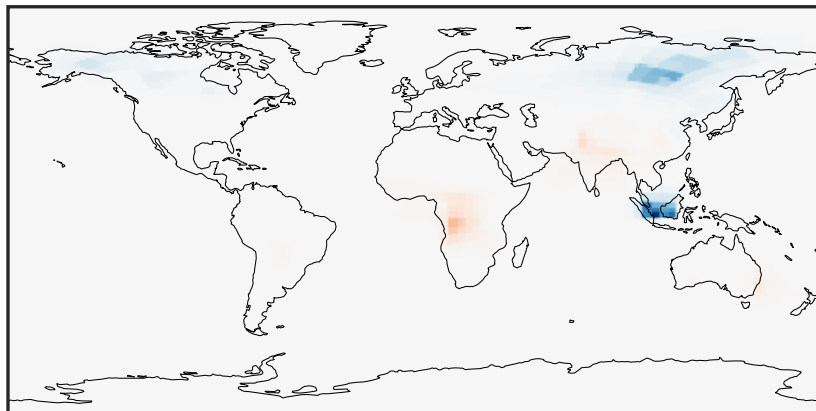
GCHP_14.0.0 (Ref)
c24



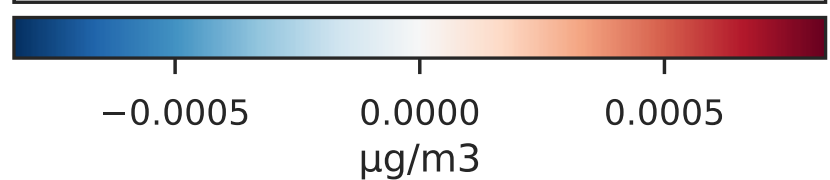
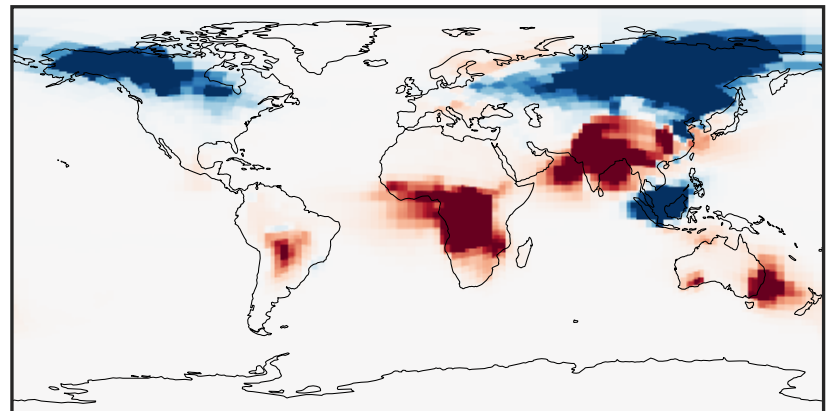
GCHP_14.2.0 (Dev)
c24



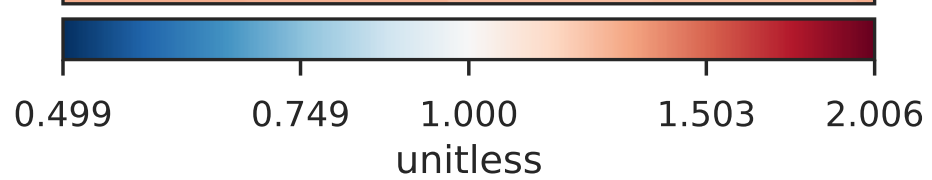
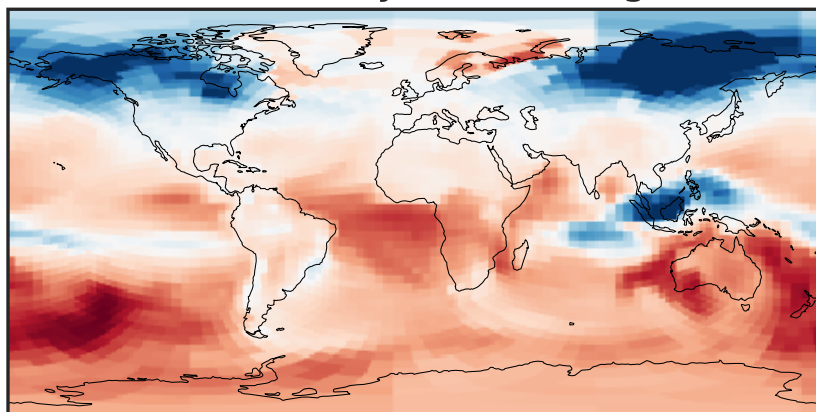
Difference (1x1.25)
Dev - Ref, Dynamic Range



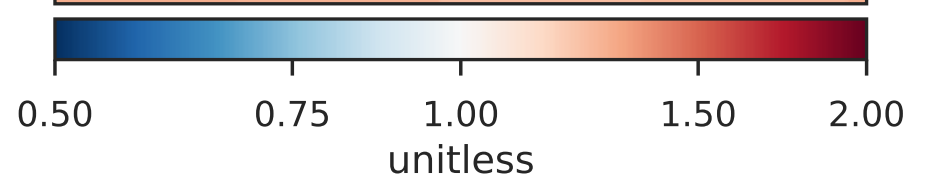
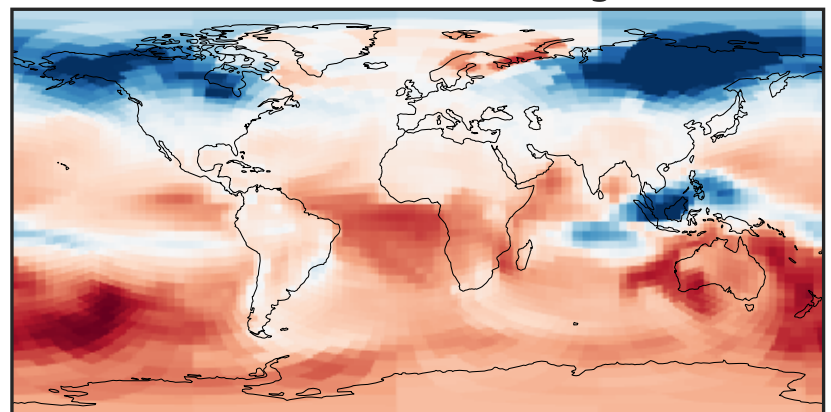
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

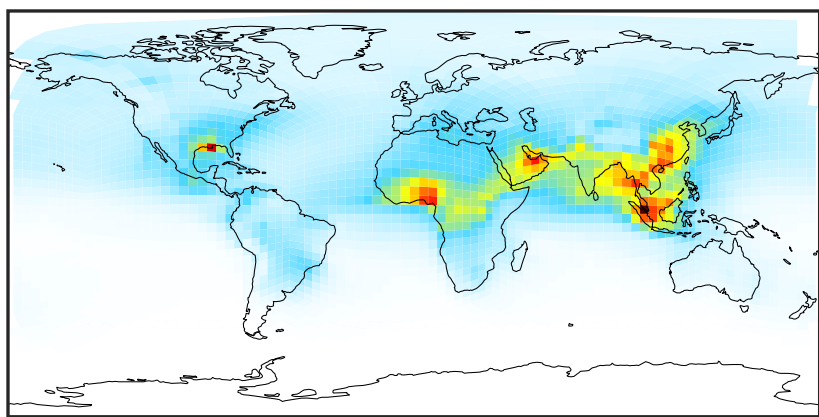


Ratio (1x1.25)
Dev/Ref, Fixed Range



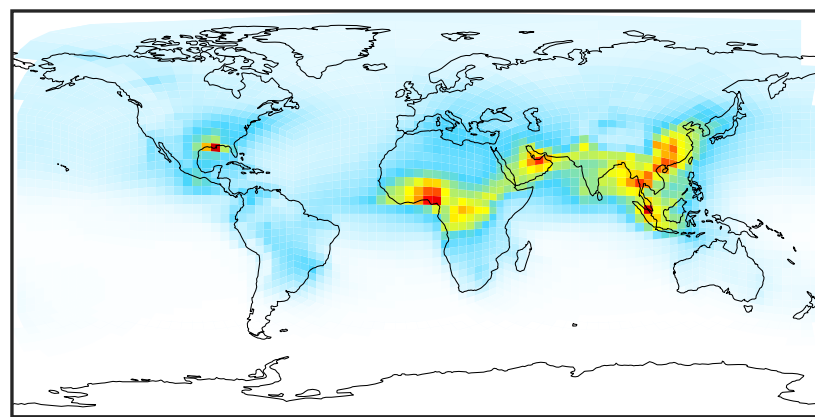
SpeciesConcVV_ASOAN (AnnualMean)

GCHP_14.0.0 (Ref)
c24



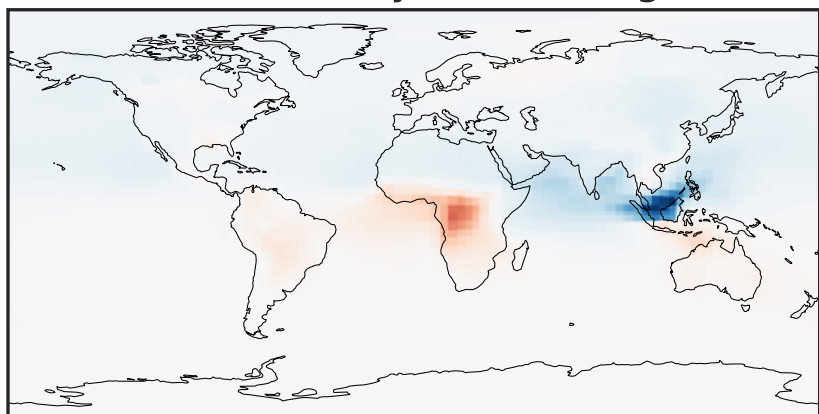
0.0004 0.0558 0.1117 0.1675 0.2238
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



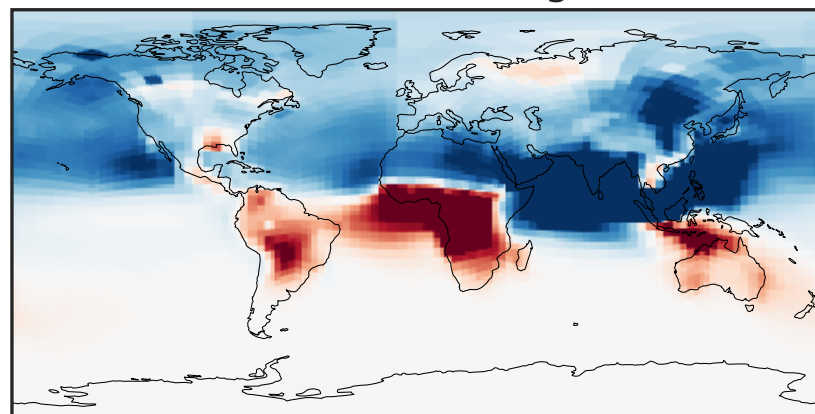
0.0004 0.0558 0.1117 0.1675 0.2238
 $\mu\text{g}/\text{m}^3$

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



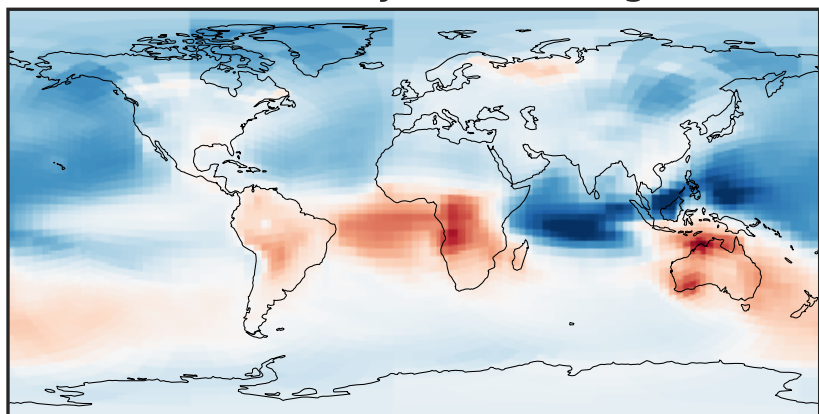
-0.025 0.000 0.025
 $\mu\text{g}/\text{m}^3$

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



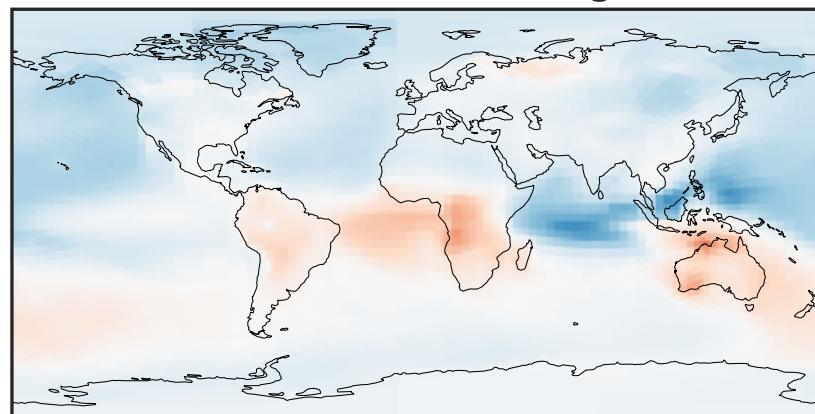
-0.0025 0.0000 0.0025
 $\mu\text{g}/\text{m}^3$

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



0.6957 0.8479 1.0000 1.2187 1.4374
unitless

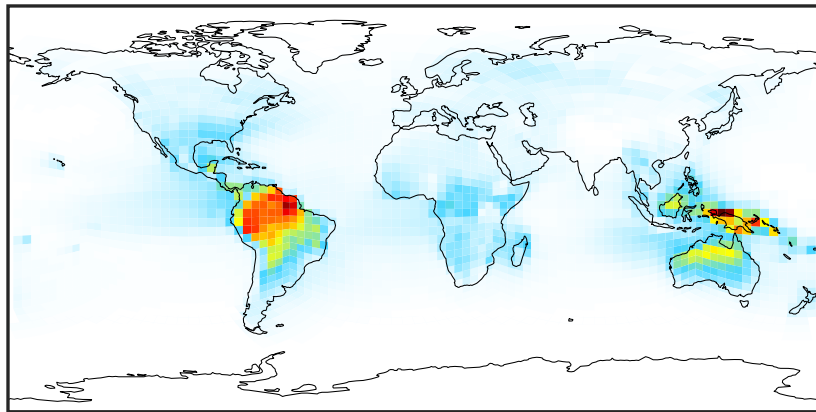
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

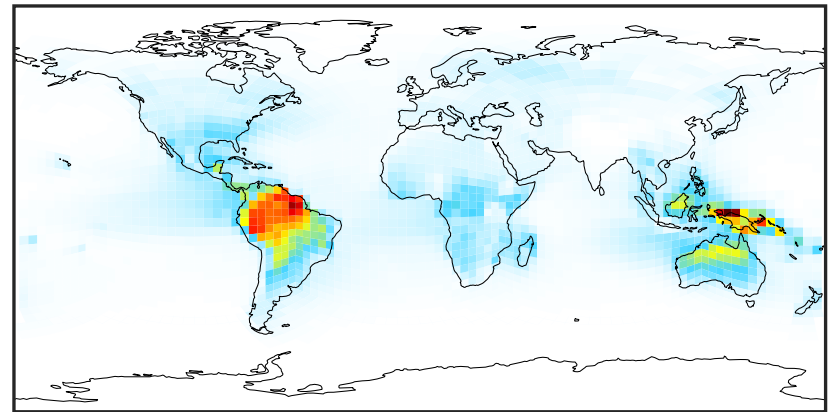
SpeciesConcVV_TSOG0 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



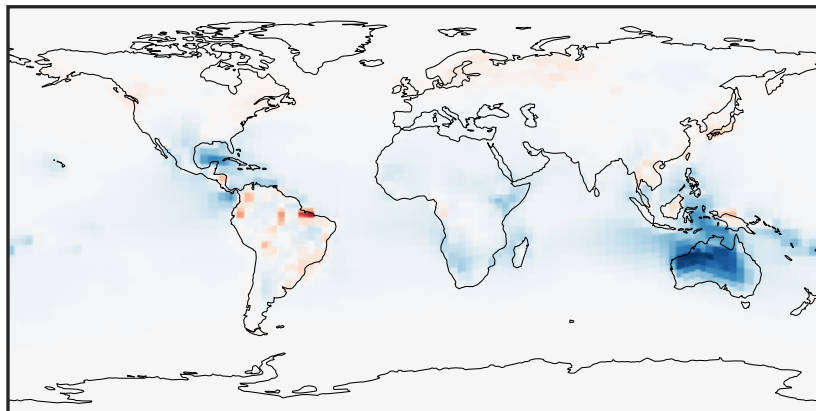
0.015 0.030 0.045
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



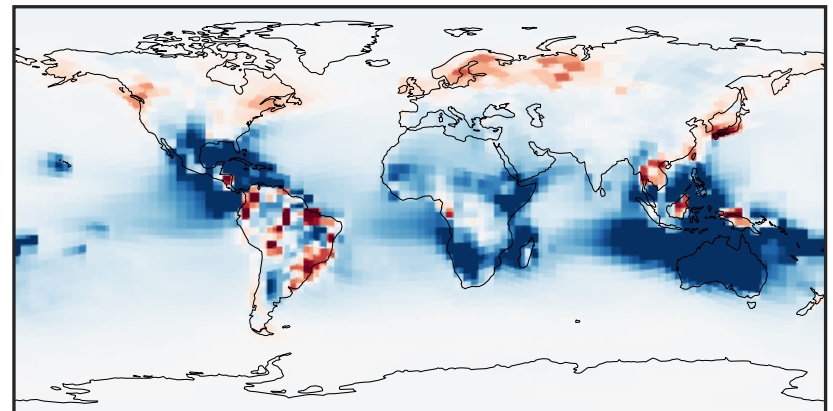
0.015 0.030 0.045
 $\mu\text{g}/\text{m}^3$

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



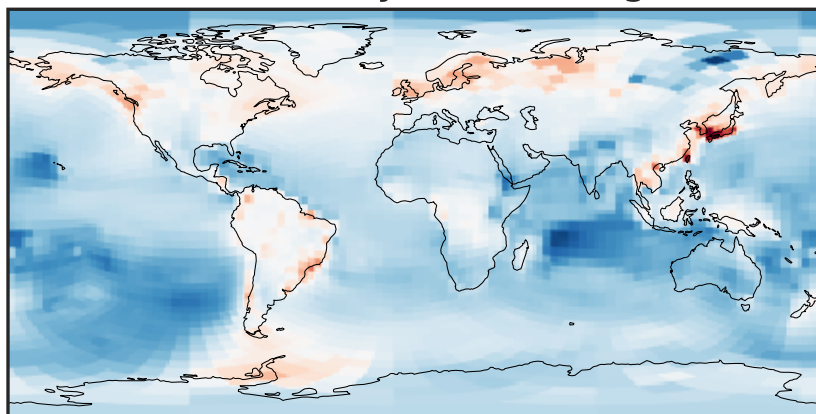
-0.0008 0.0000 0.0008
 $\mu\text{g}/\text{m}^3$

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



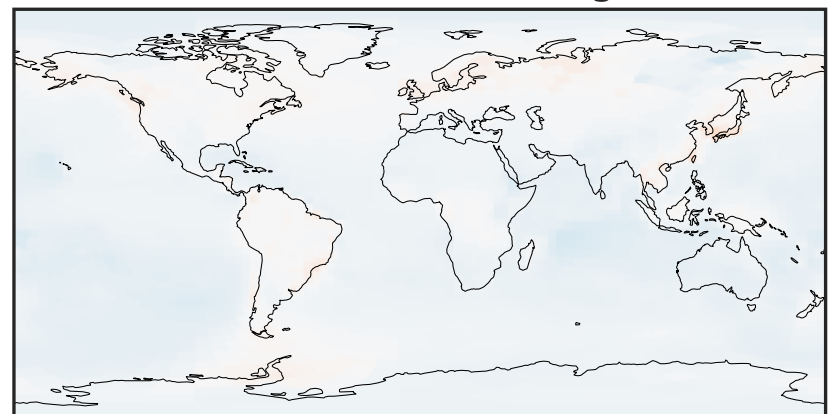
-0.00015 0.00000 0.00015
 $\mu\text{g}/\text{m}^3$

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



0.8842 0.9421 1.0000 1.0655 1.1310
unitless

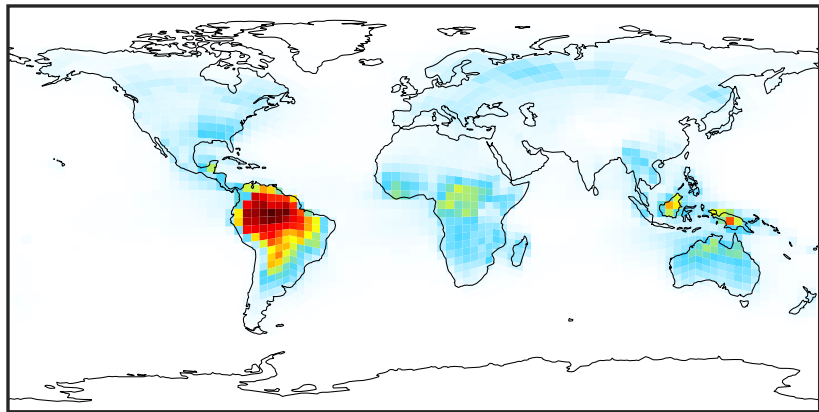
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

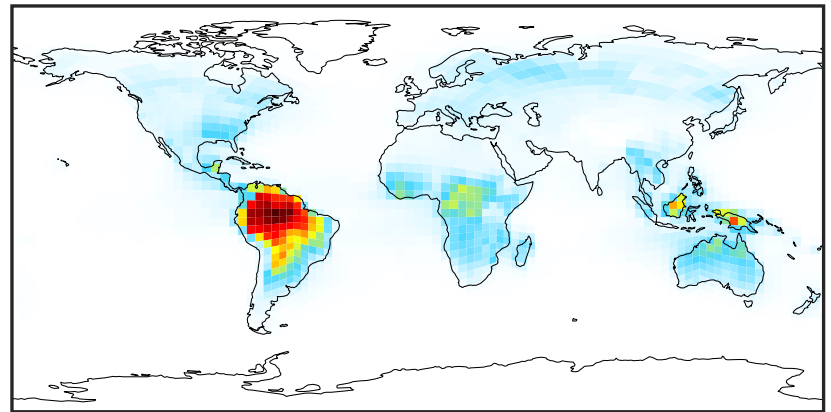
SpeciesConcVV_TSOG1 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



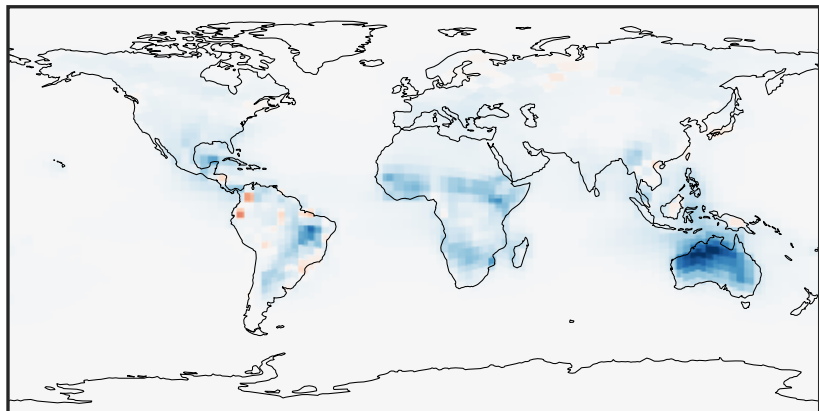
0.0000 0.0358 0.0716 0.1074 0.1433
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



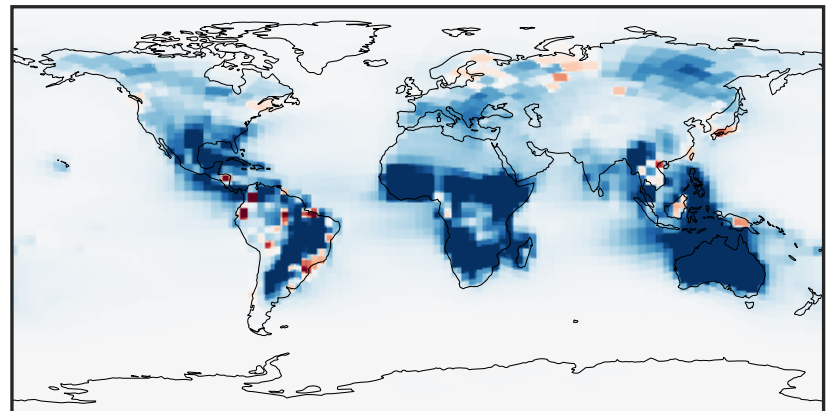
0.0000 0.0358 0.0716 0.1074 0.1433
 $\mu\text{g}/\text{m}^3$

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



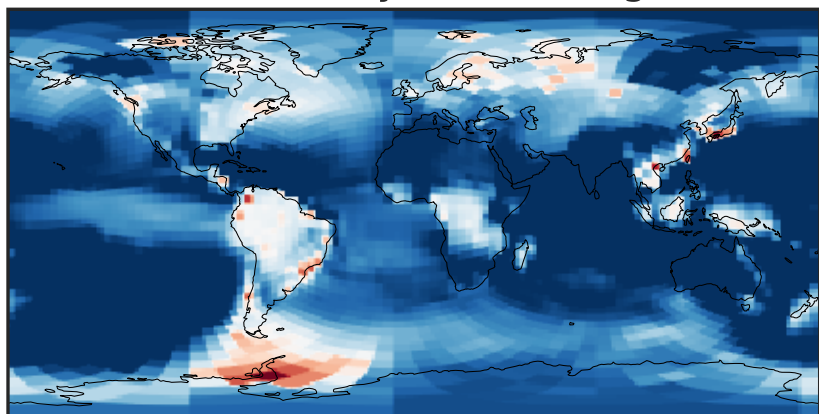
-0.002 0.000 0.002
 $\mu\text{g}/\text{m}^3$

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



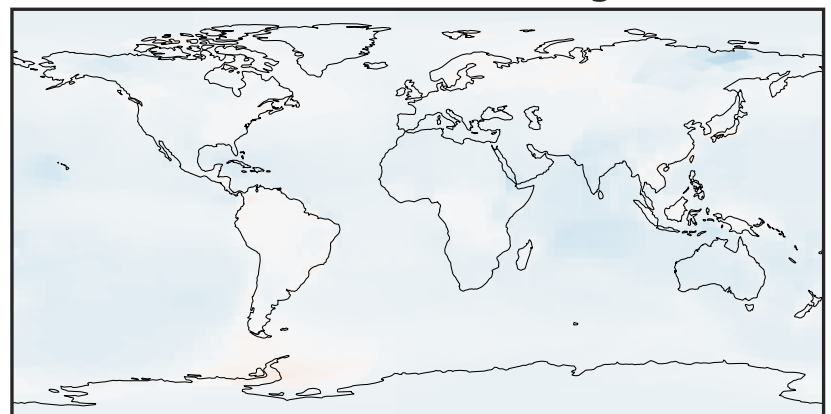
-0.0004 0.0000 0.0004
 $\mu\text{g}/\text{m}^3$

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



0.9488 0.9744 1.0000 1.0270 1.0540
unitless

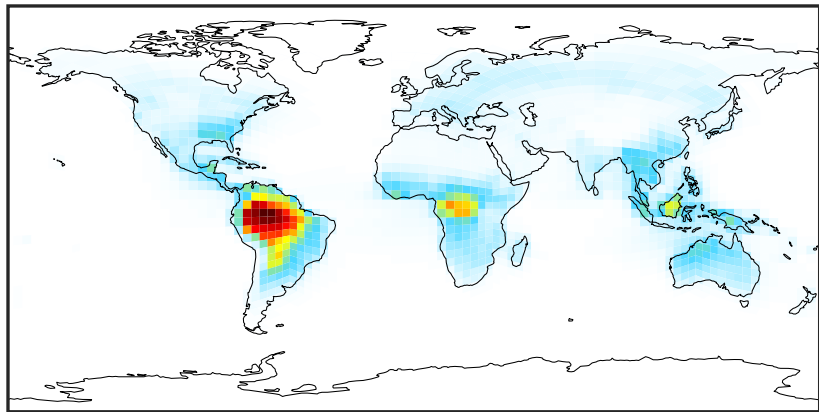
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

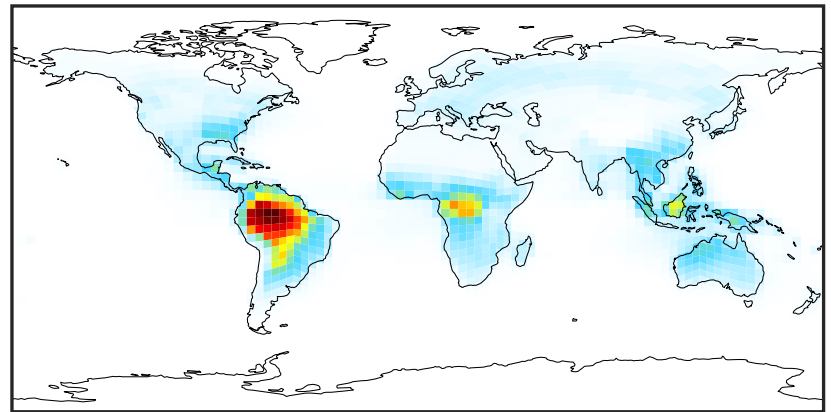
SpeciesConcVV_TSOG2 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



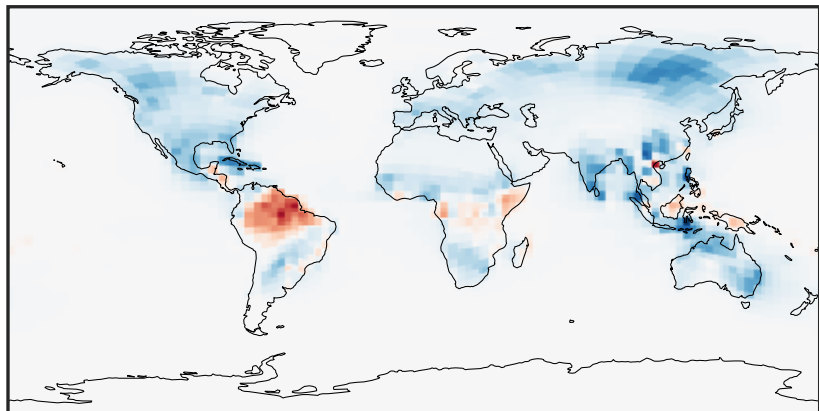
0.000 0.889 1.778 2.667 3.556
µg/m3

GCHP_14.2.0 (Dev)
c24



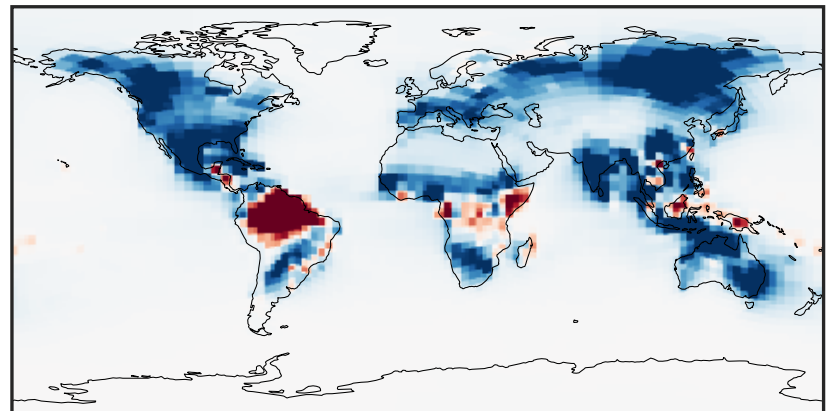
0.000 0.889 1.778 2.667 3.556
µg/m3

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



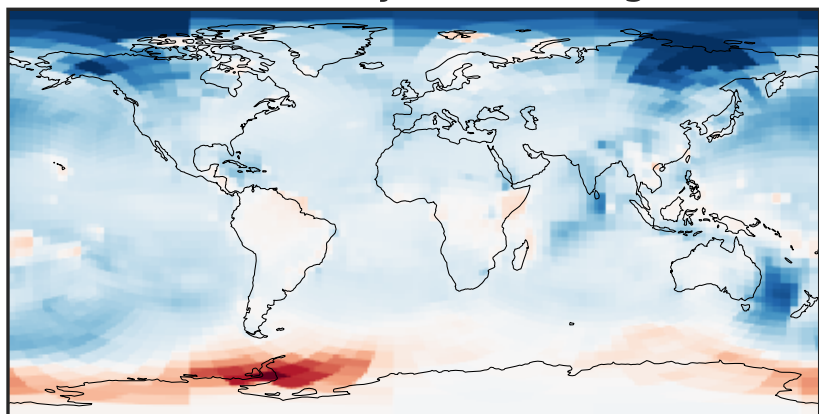
-0.015 0.000 0.015
µg/m3

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



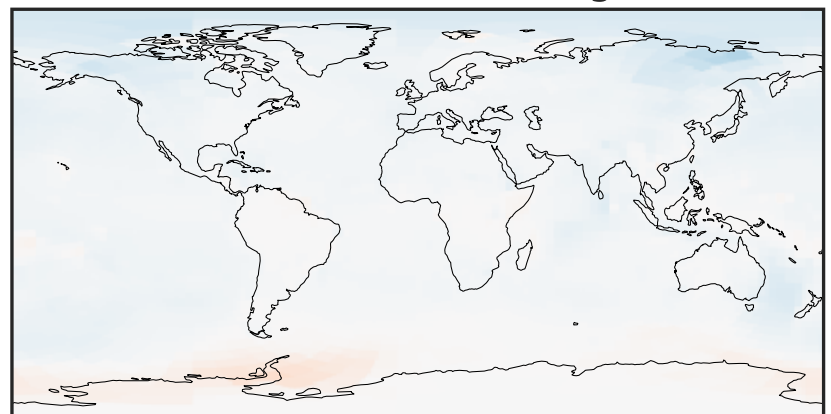
-0.004 0.000 0.004
µg/m3

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



0.8902 0.9451 1.0000 1.0617 1.1234
unitless

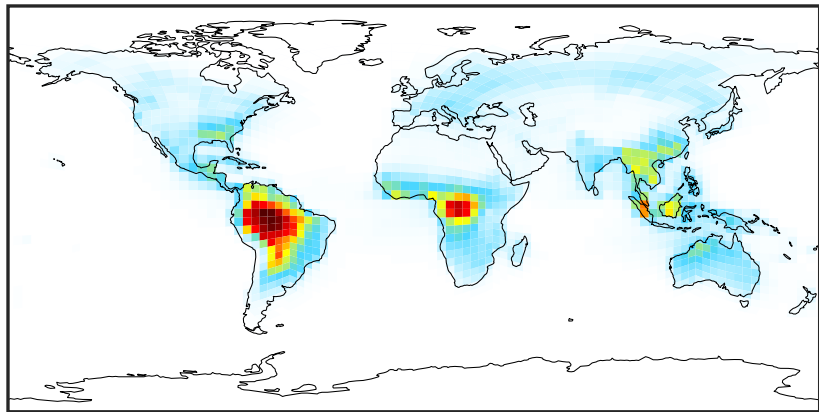
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

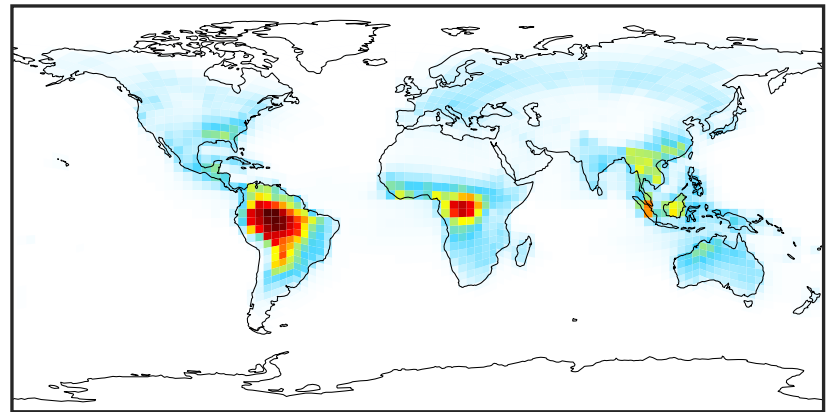
SpeciesConcVV_TSOG3 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



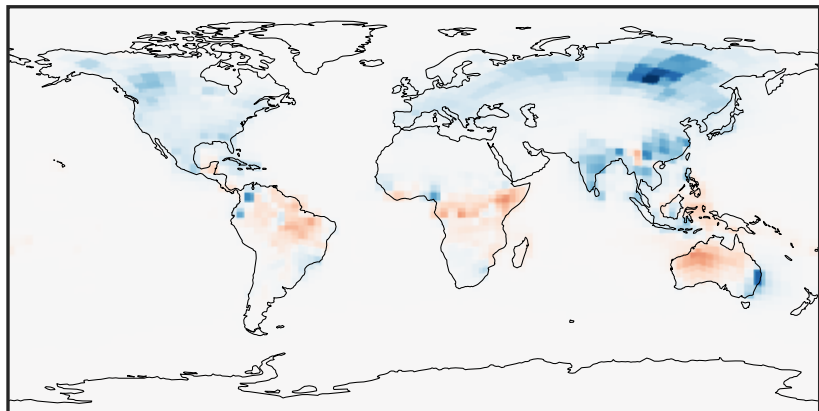
0.000 1.584 3.169 4.753 6.338
µg/m3

GCHP_14.2.0 (Dev)
c24



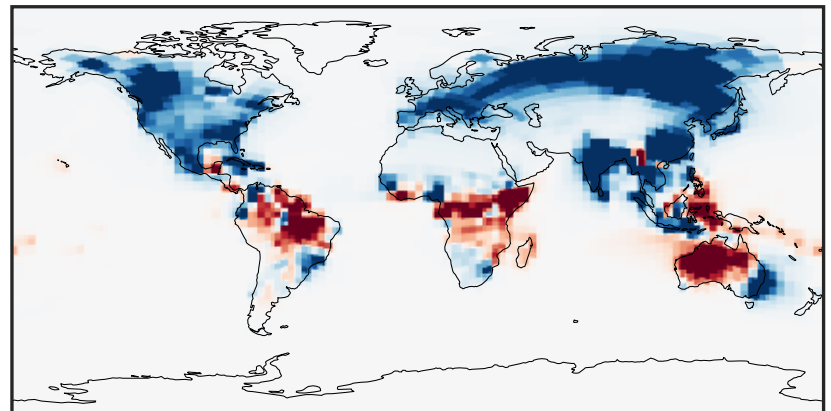
0.000 1.584 3.169 4.753 6.338
µg/m3

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



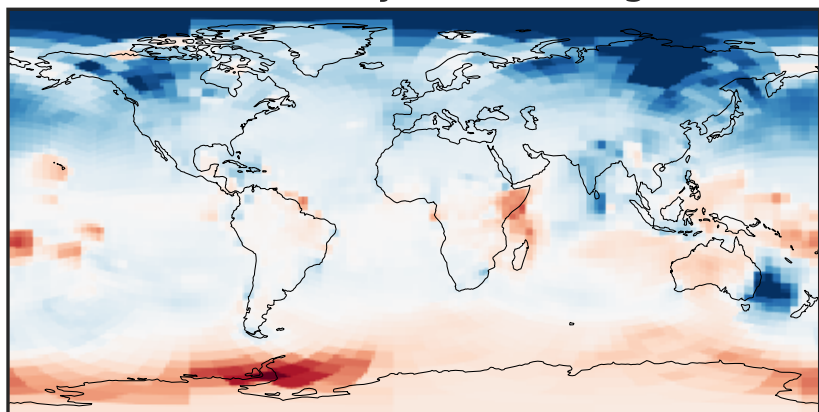
-0.138 -0.069 0.000 0.069 0.138
µg/m3

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



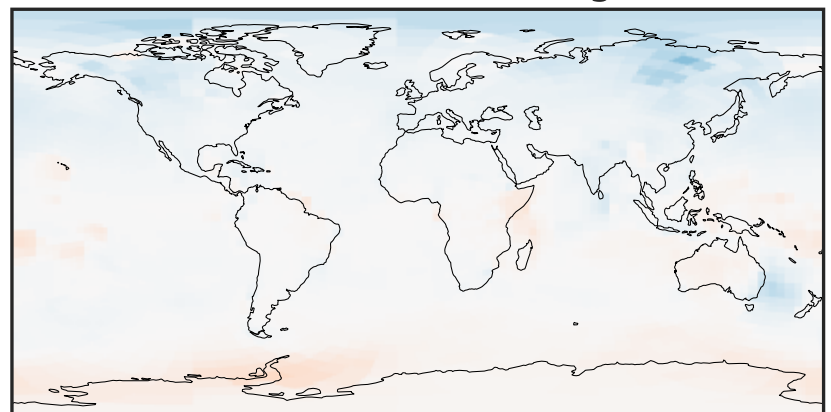
-0.015 0.000 0.015
µg/m3

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



0.8713 0.9357 1.000 1.0738 1.1477
unitless

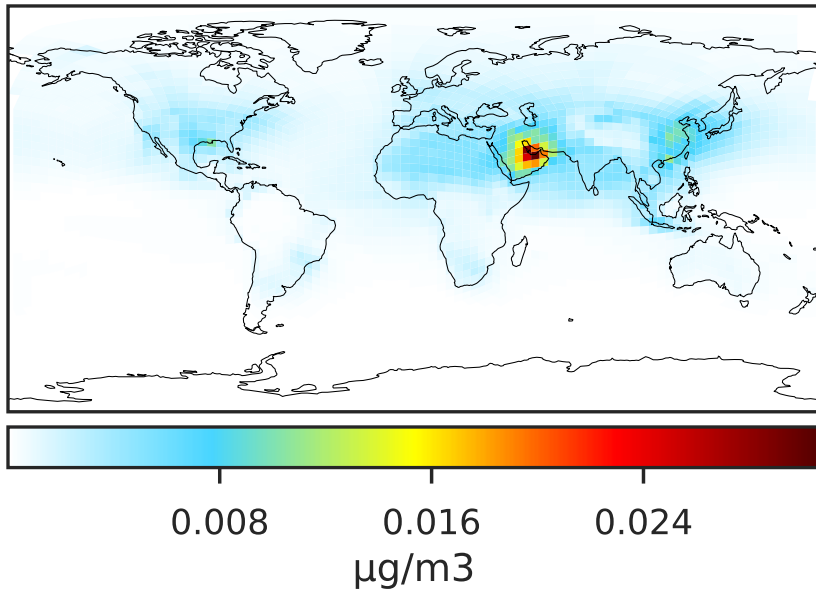
Ratio (1x1.25)
Dev/Ref, Fixed Range



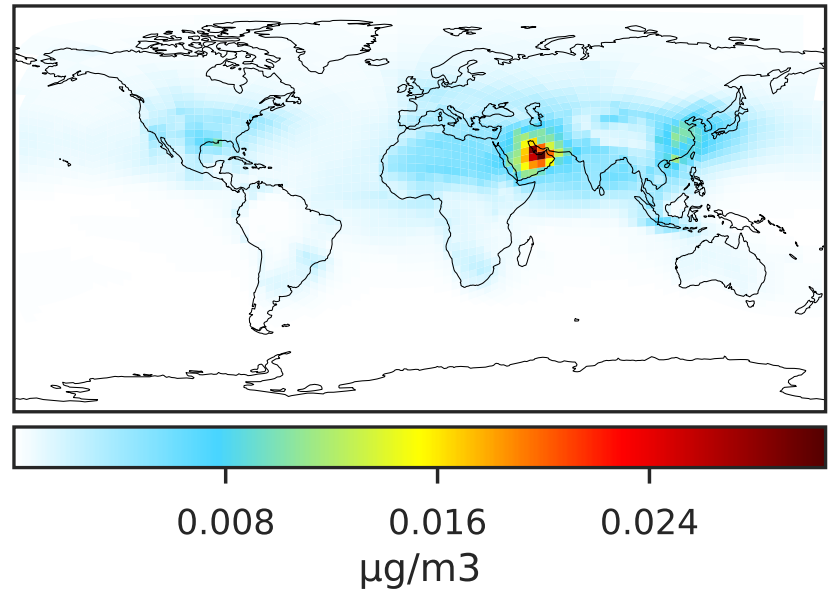
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ASOG1 (AnnualMean)

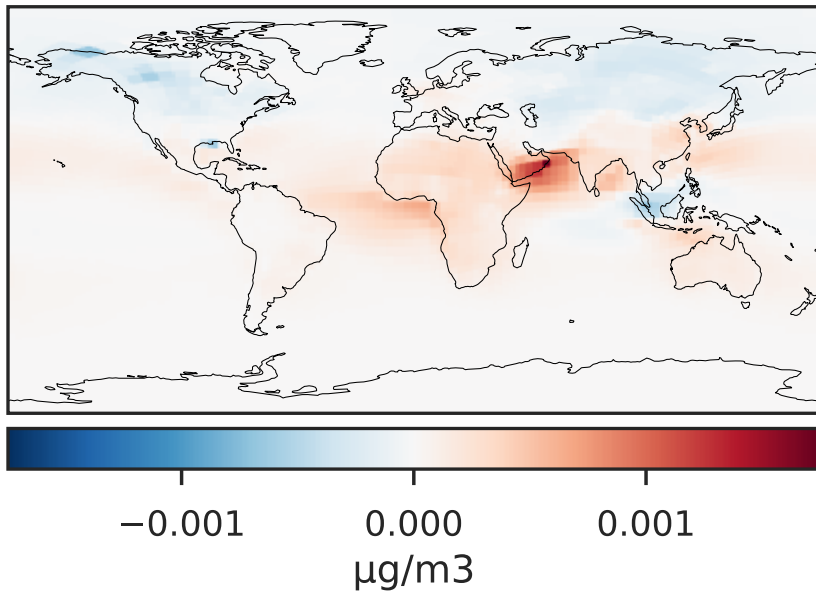
GCHP_14.0.0 (Ref)
c24



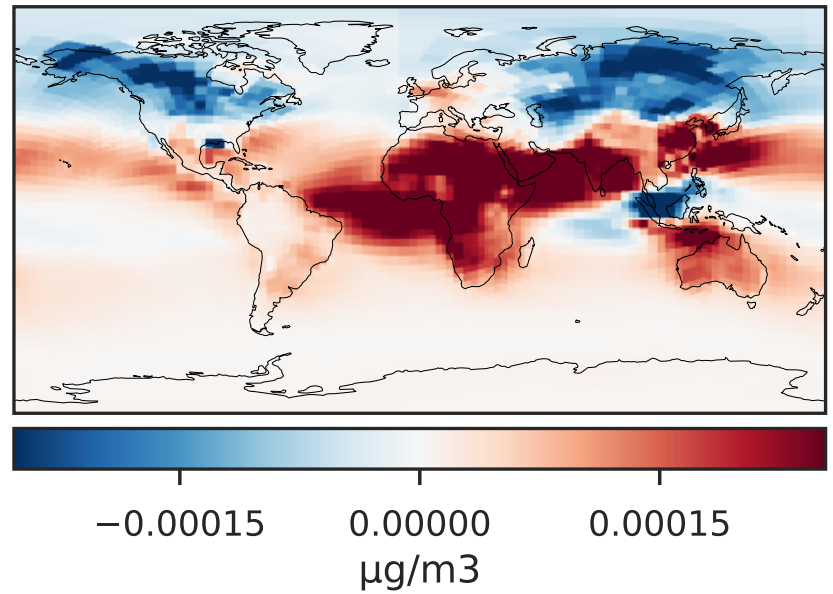
GCHP_14.2.0 (Dev)
c24



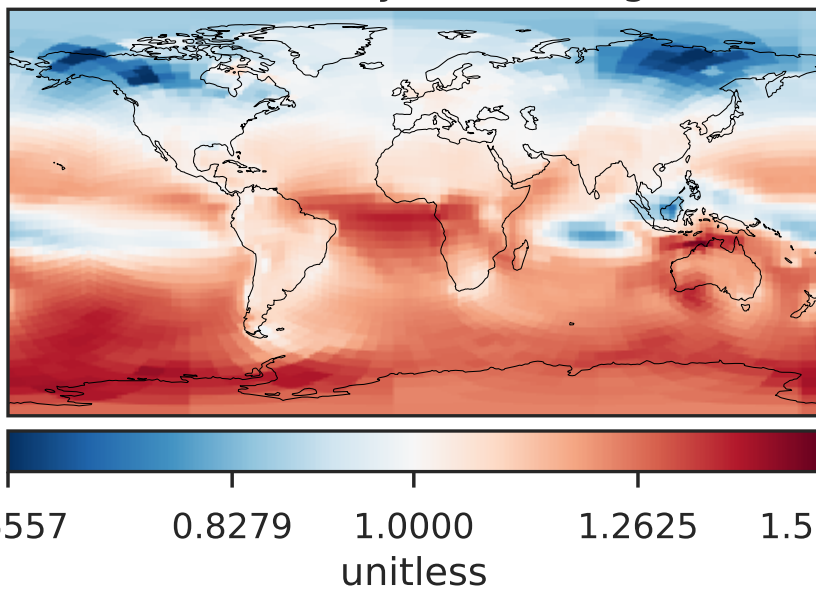
Difference (1x1.25)
Dev - Ref, Dynamic Range



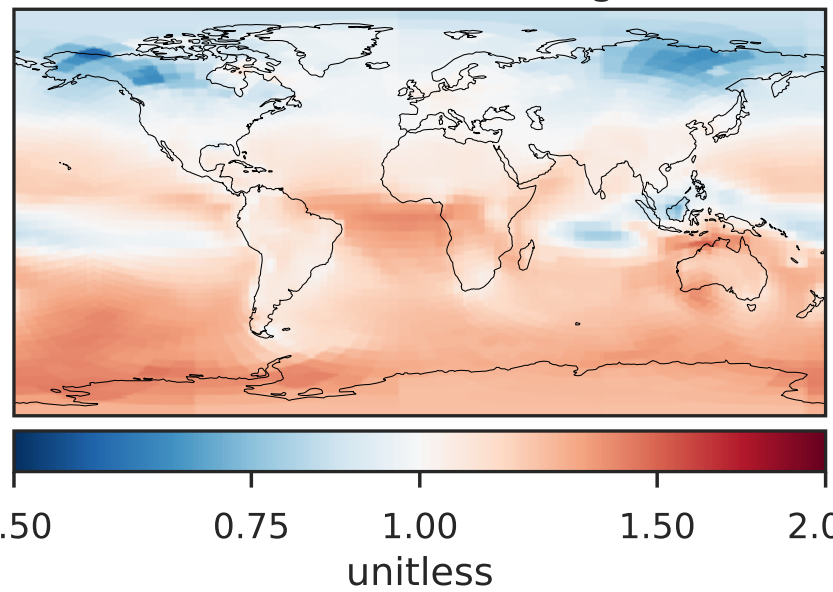
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

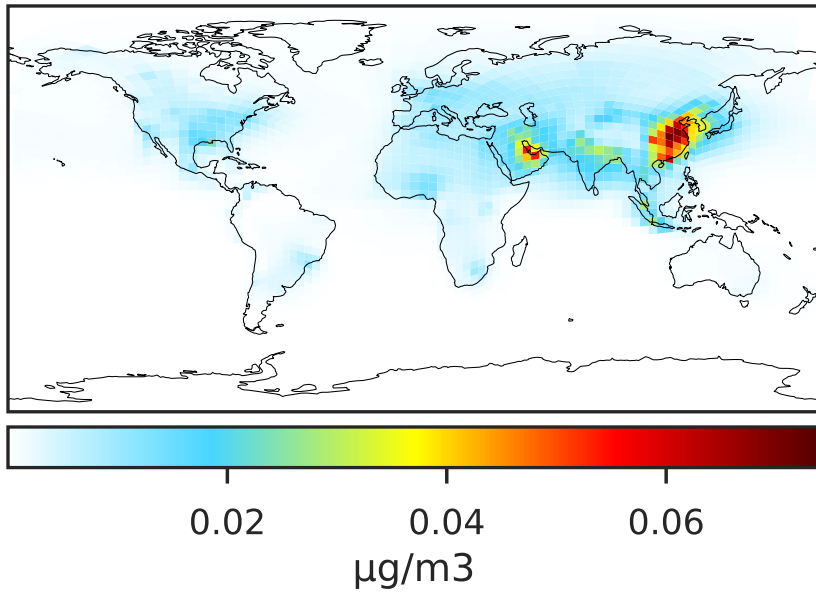


Ratio (1x1.25)
Dev/Ref, Fixed Range

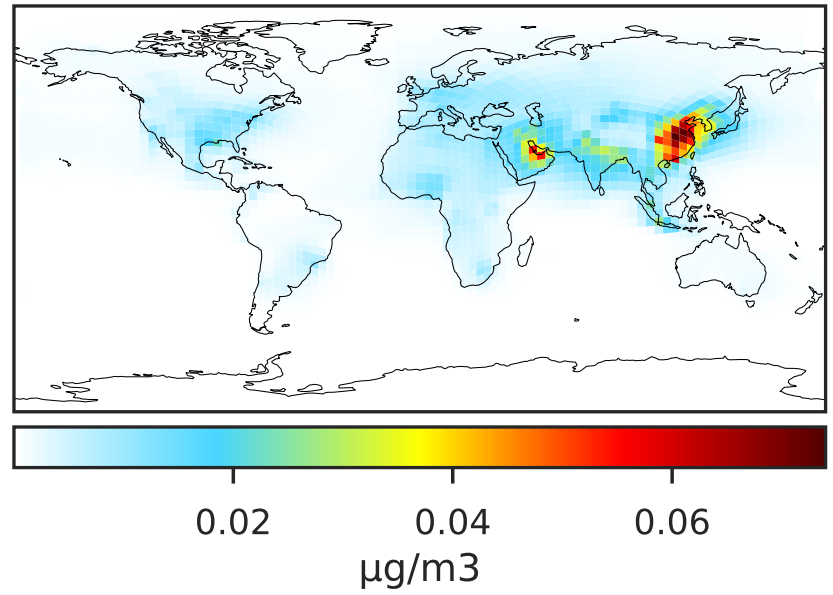


SpeciesConcVV_ASOG2 (AnnualMean)

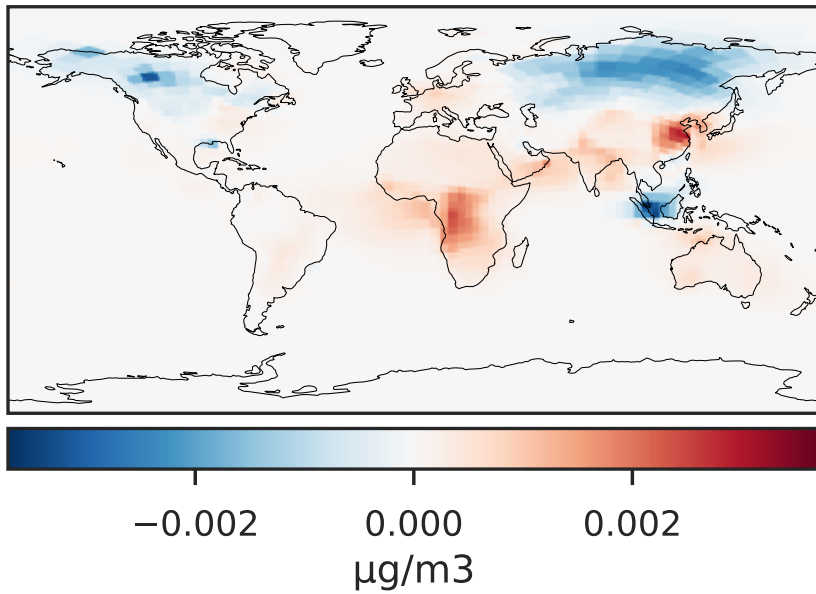
GCHP_14.0.0 (Ref)
c24



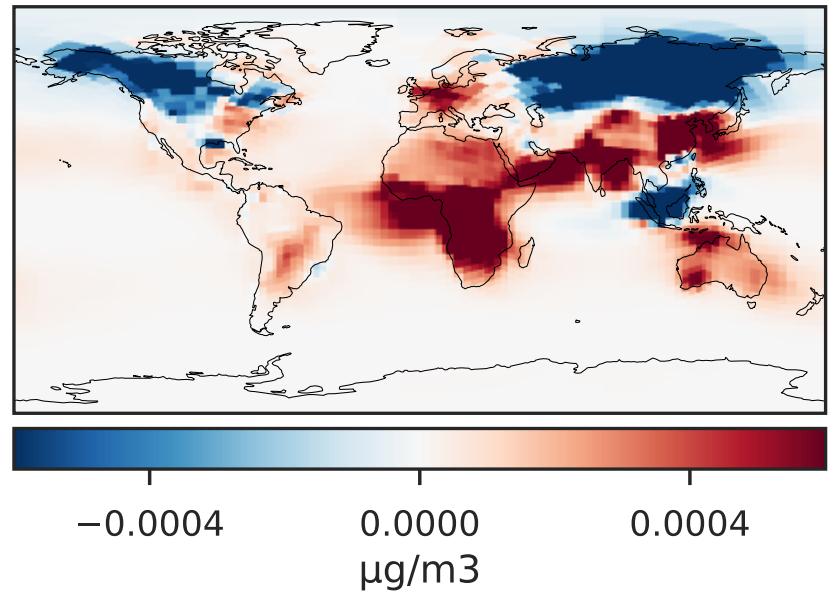
GCHP_14.2.0 (Dev)
c24



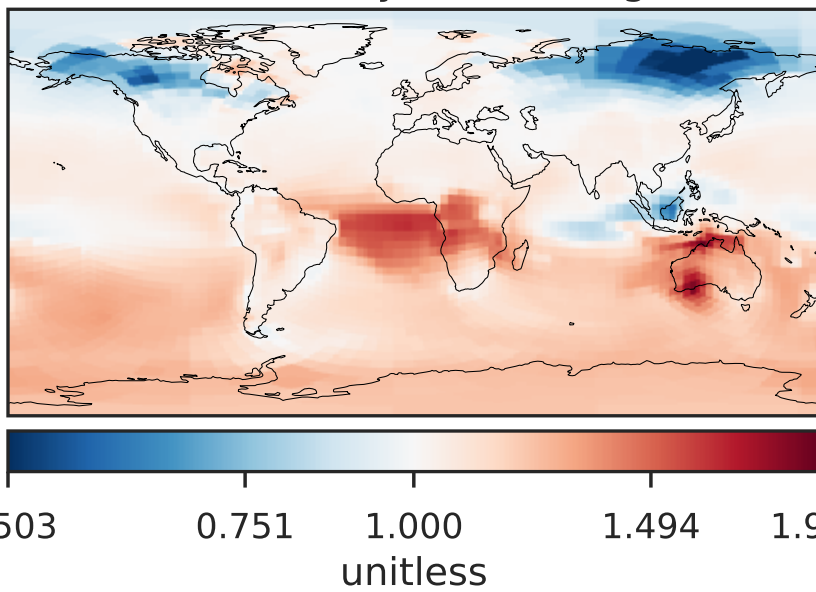
Difference (1x1.25)
Dev - Ref, Dynamic Range



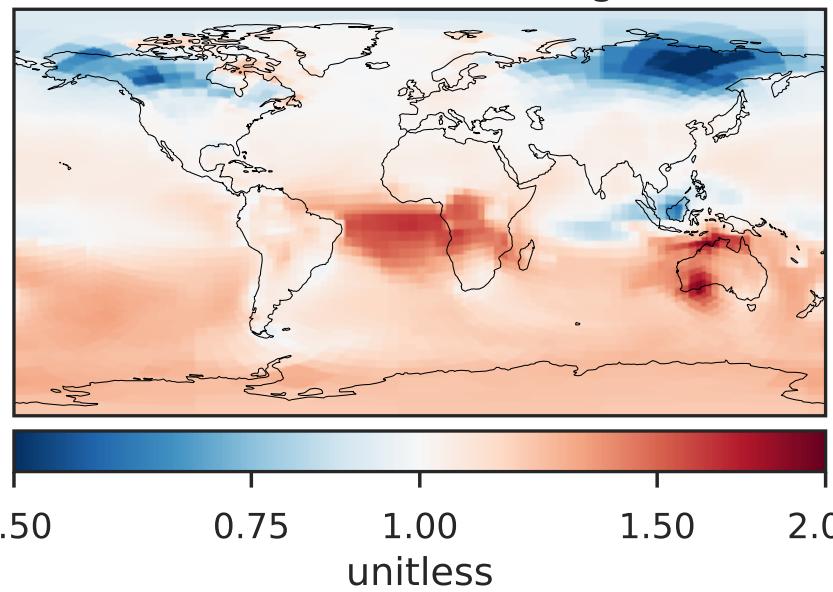
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

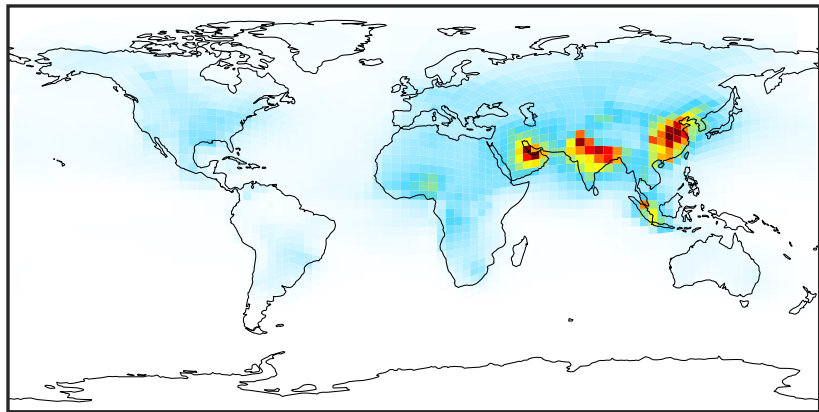


Ratio (1x1.25)
Dev/Ref, Fixed Range



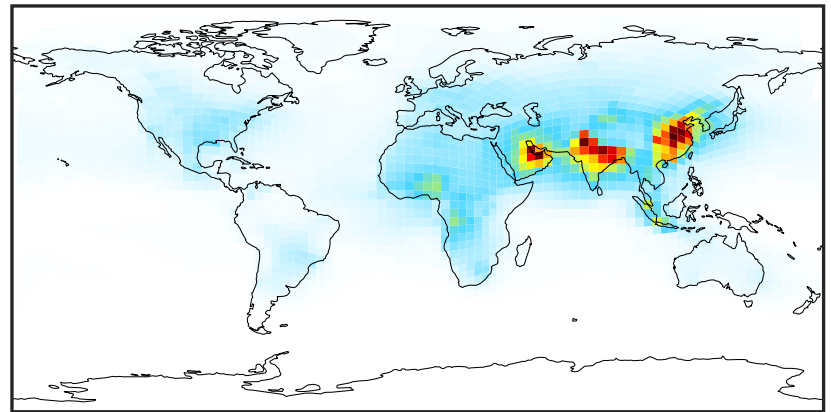
SpeciesConcVV_ASOG3 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



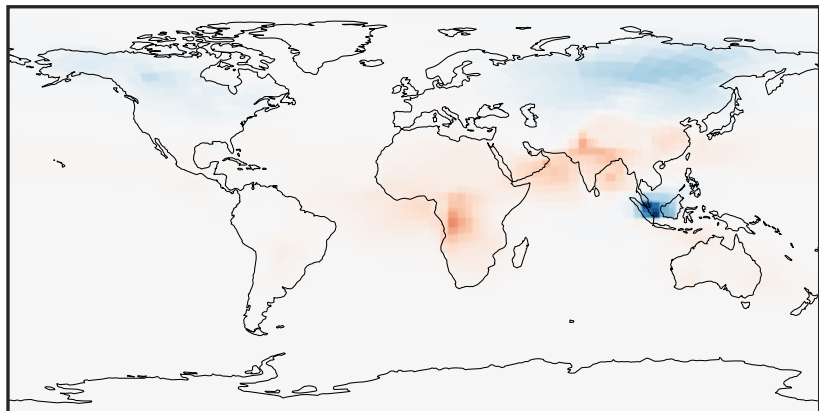
0.0001 0.0900 0.1799 0.2699 0.3599
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



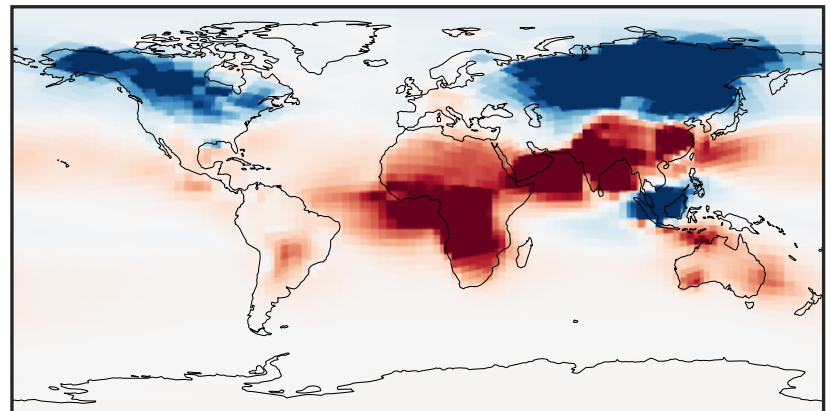
0.0001 0.0900 0.1799 0.2699 0.3599
 $\mu\text{g}/\text{m}^3$

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



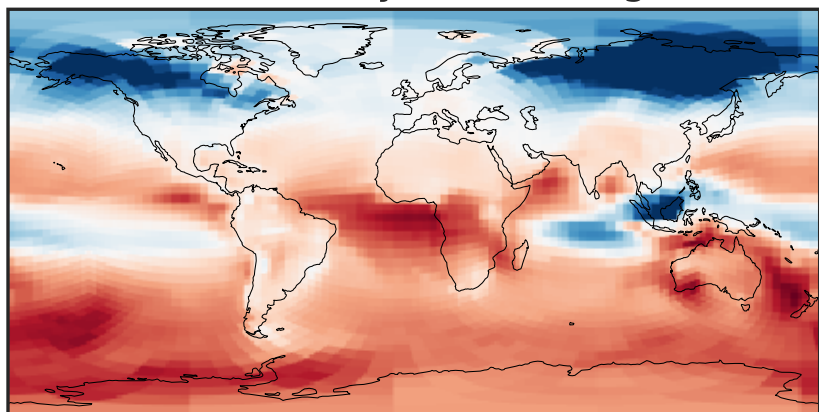
-0.0729 -0.0364 0.0000 0.0364 0.0729
 $\mu\text{g}/\text{m}^3$

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



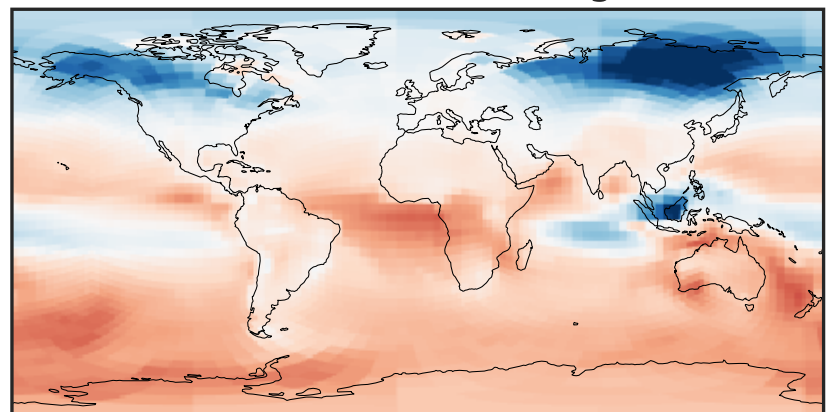
-0.004 0.000 0.004
 $\mu\text{g}/\text{m}^3$

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



0.6424 0.8212 1.0000 1.2784 1.5567
unitless

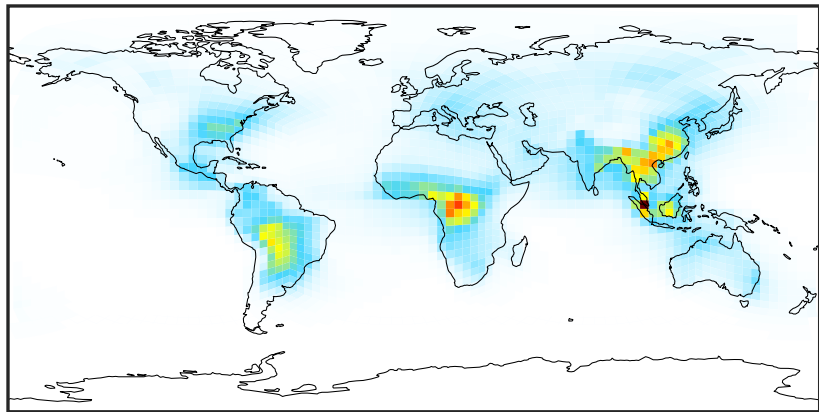
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

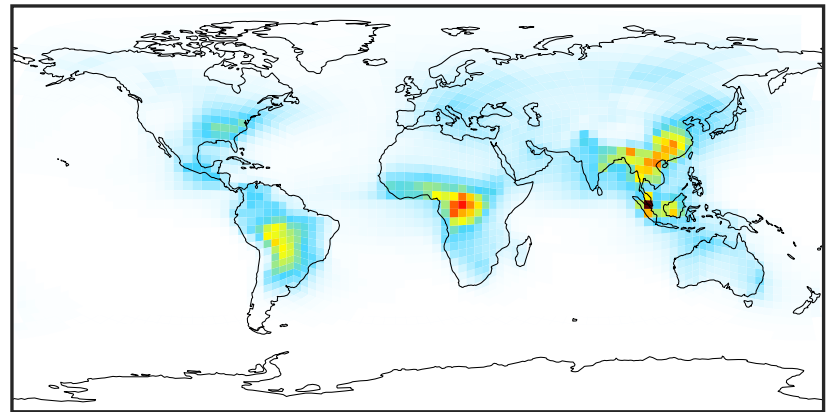
SpeciesConcVV_INDIOL (AnnualMean)

GCHP_14.0.0 (Ref)
c24



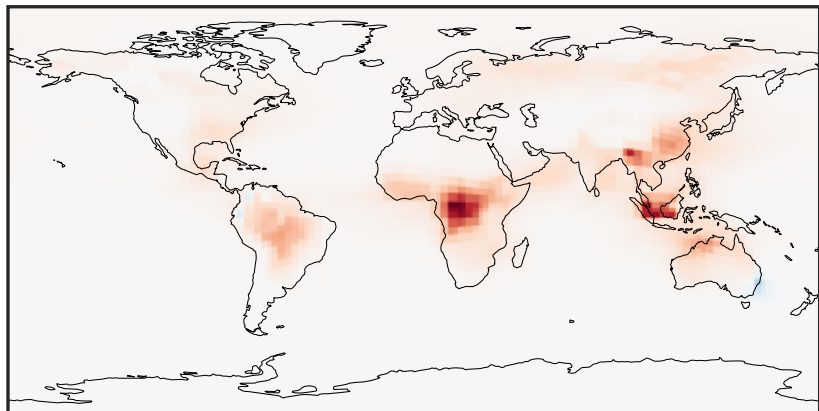
0.003 1.874 3.748 5.622 7.499
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



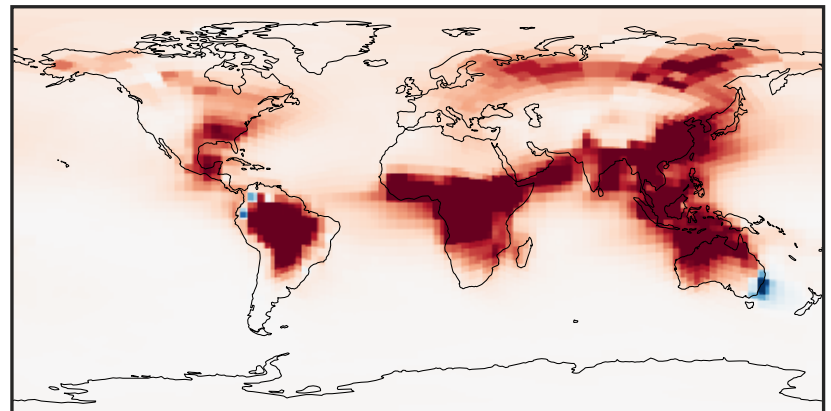
0.003 1.874 3.748 5.622 7.499
 $\mu\text{g}/\text{m}^3$

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



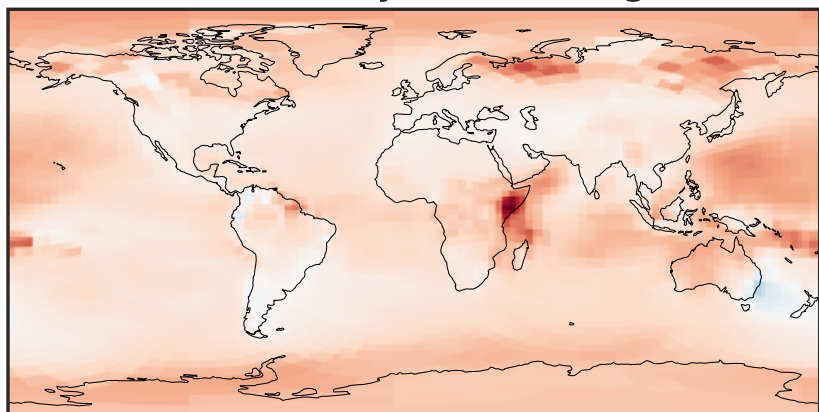
-0.3211 -0.1606 0.0000 0.1606 0.3211
 $\mu\text{g}/\text{m}^3$

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



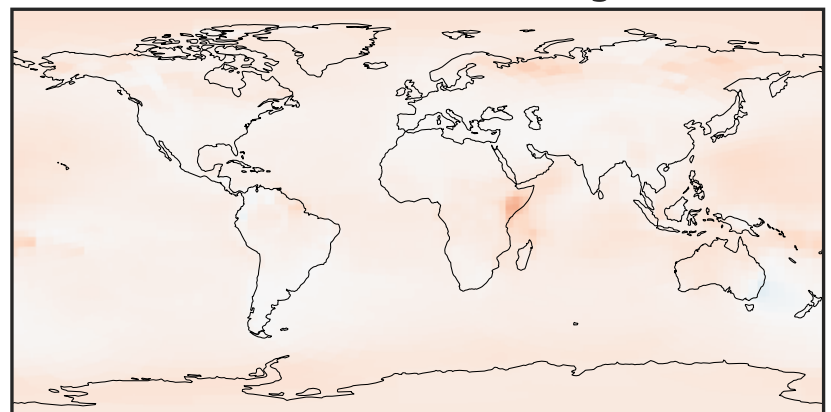
-0.0503 -0.0252 0.0000 0.0252 0.0503
 $\mu\text{g}/\text{m}^3$

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



0.7798 0.8899 1.0000 1.1412 1.2824
unitless

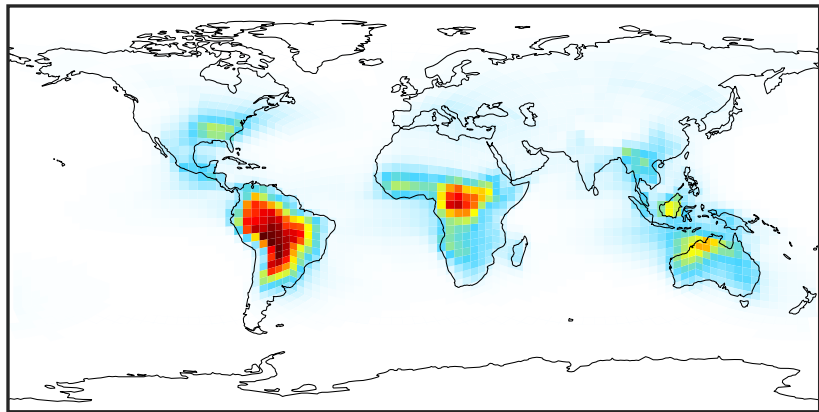
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

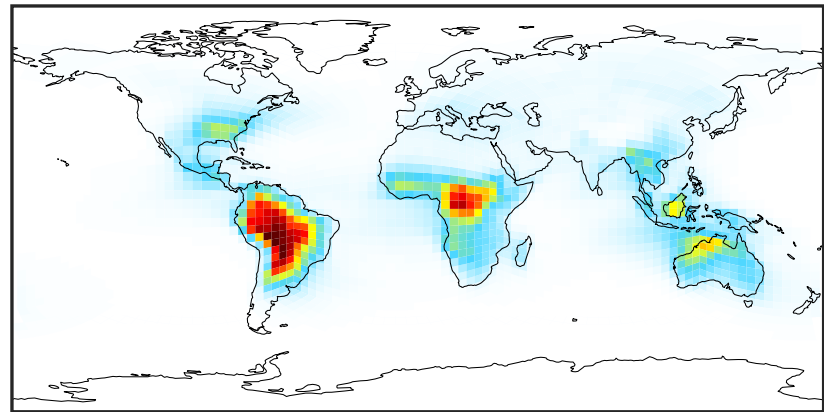
SpeciesConcVV_LVOCOA (AnnualMean)

GCHP_14.0.0 (Ref)
c24



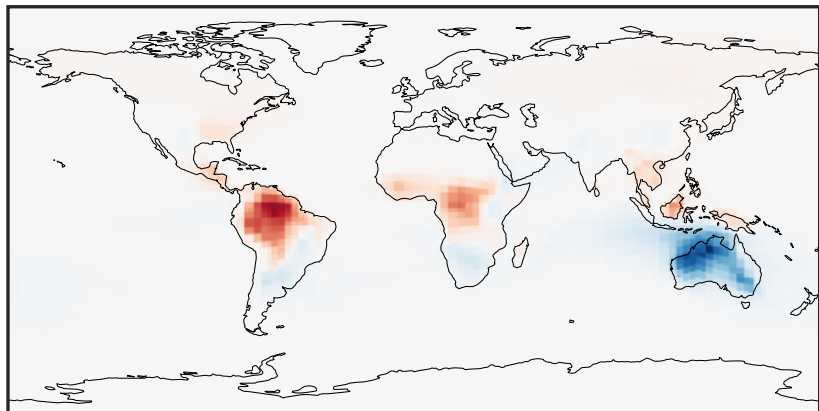
0.0001 0.0449 0.0897 0.1346 0.1795
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



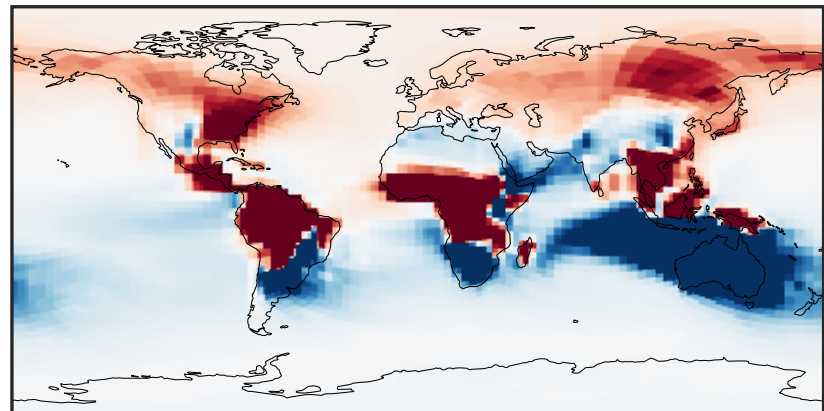
0.0001 0.0449 0.0897 0.1346 0.1795
 $\mu\text{g}/\text{m}^3$

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



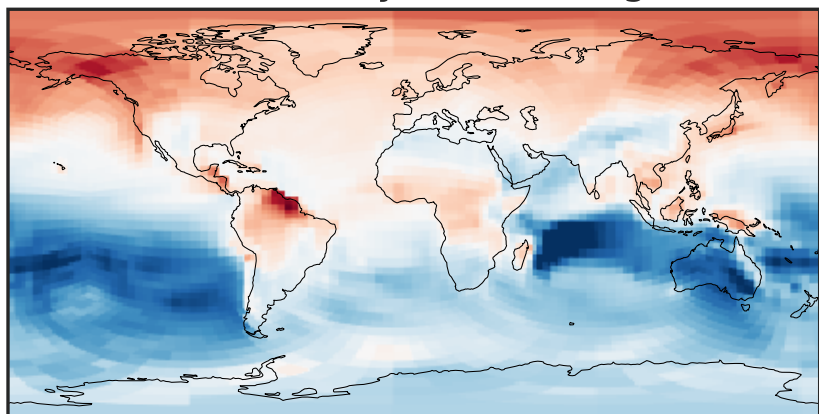
-0.003 0.000 0.003
 $\mu\text{g}/\text{m}^3$

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



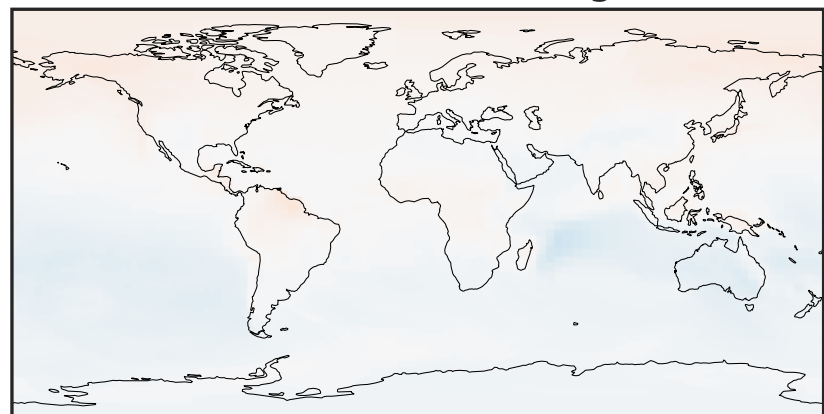
-0.00015 0.00000 0.00015
 $\mu\text{g}/\text{m}^3$

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



0.9195 0.9597 1.0000 1.0438 1.0876
unitless

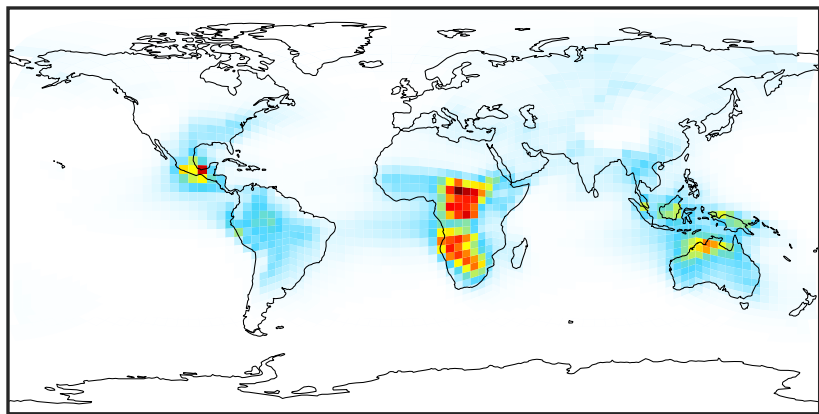
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

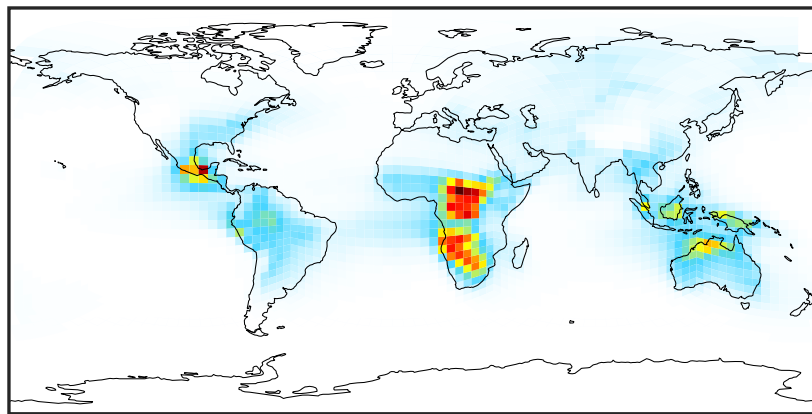
SpeciesConcVV_SOAIE (AnnualMean)

GCHP_14.0.0 (Ref)
c24



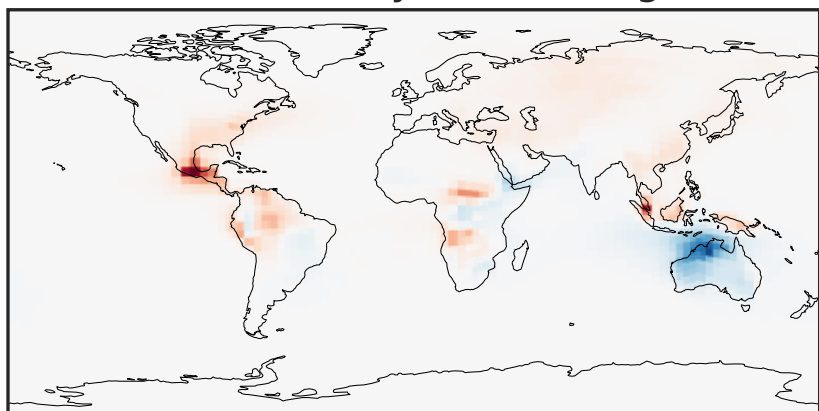
0.001 0.642 1.284 1.926 2.569
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



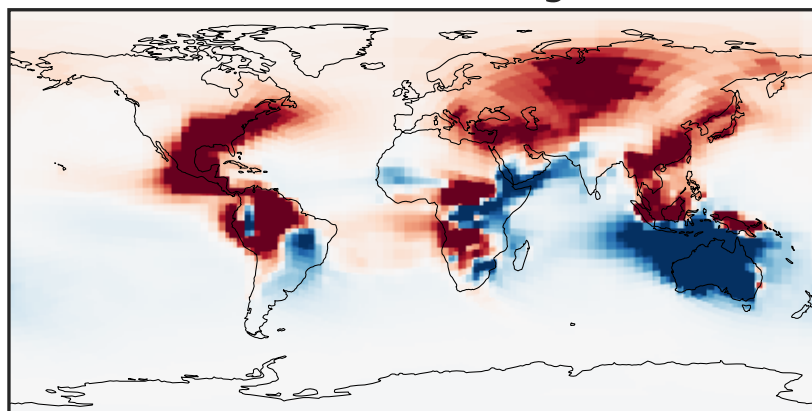
0.001 0.642 1.284 1.926 2.569
 $\mu\text{g}/\text{m}^3$

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



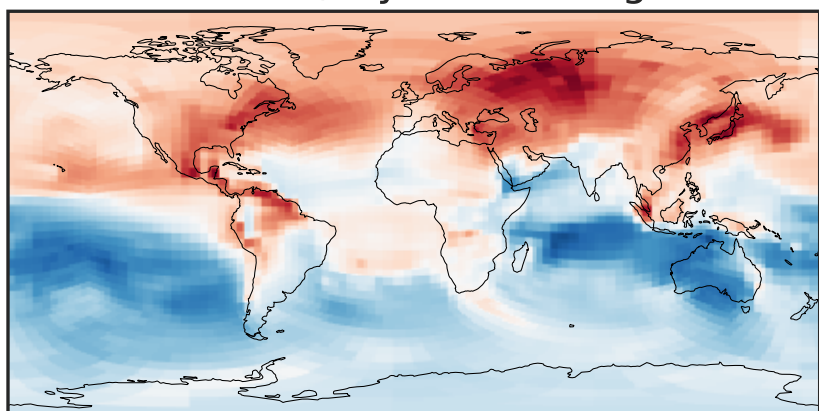
-0.1736 -0.0868 0.0000 0.0868 0.1736
 $\mu\text{g}/\text{m}^3$

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



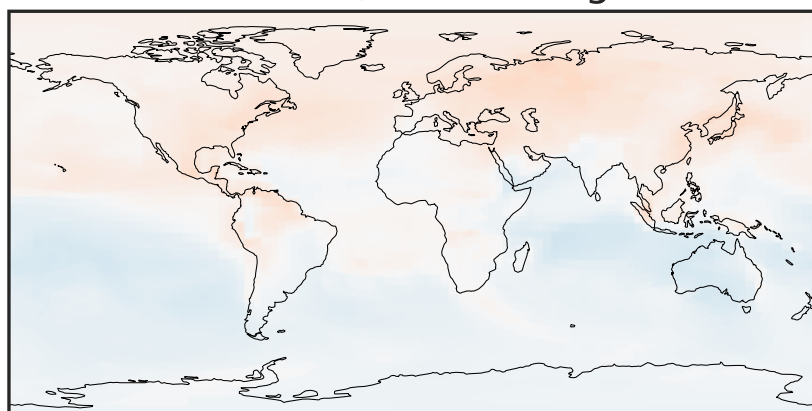
-0.006 0.000 0.006
 $\mu\text{g}/\text{m}^3$

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



0.8641 0.9321 1.0000 1.0786 1.1573
unitless

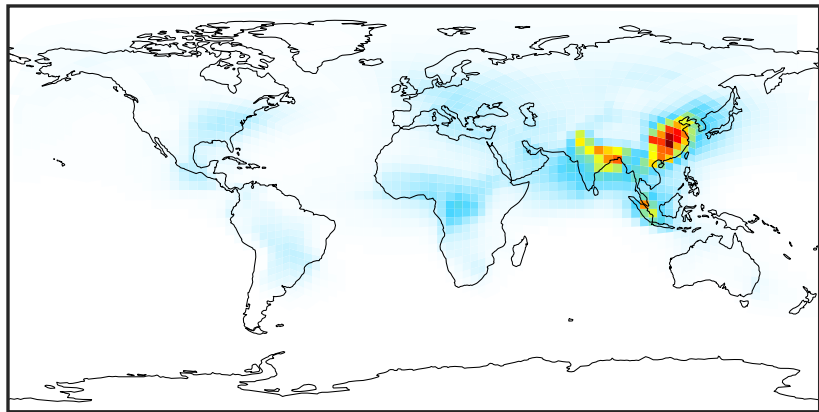
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

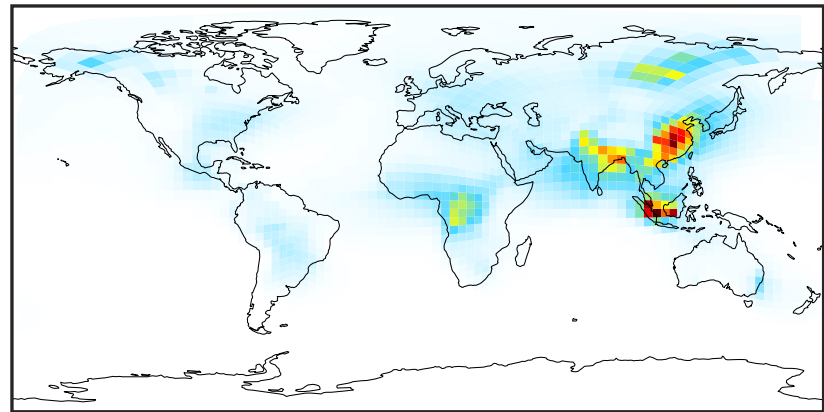
SpeciesConcVV_SOAGX (AnnualMean)

GCHP_14.0.0 (Ref)
c24



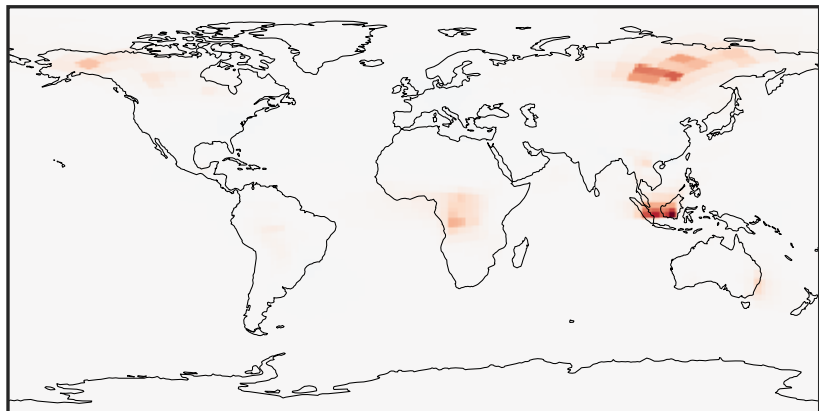
0.000 0.258 0.516 0.774 1.032
µg/m3

GCHP_14.2.0 (Dev)
c24



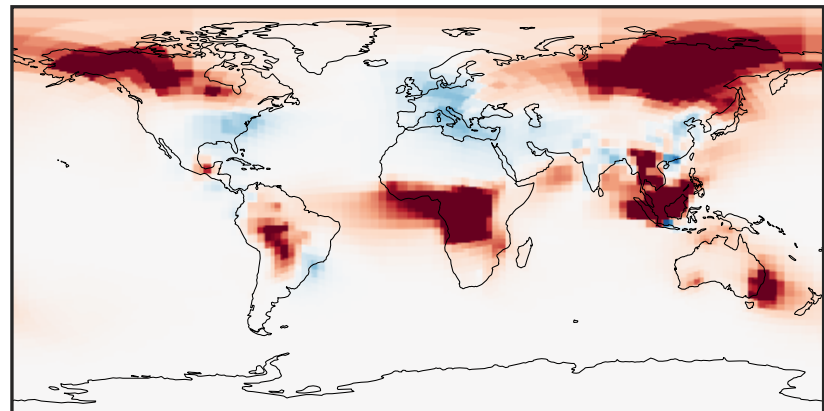
0.000 0.258 0.516 0.774 1.032
µg/m3

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



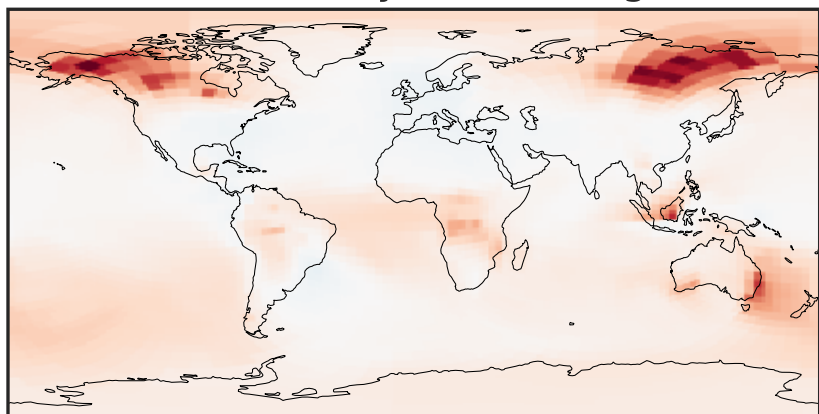
-0.734 -0.367 0.000 0.367 0.734
µg/m3

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



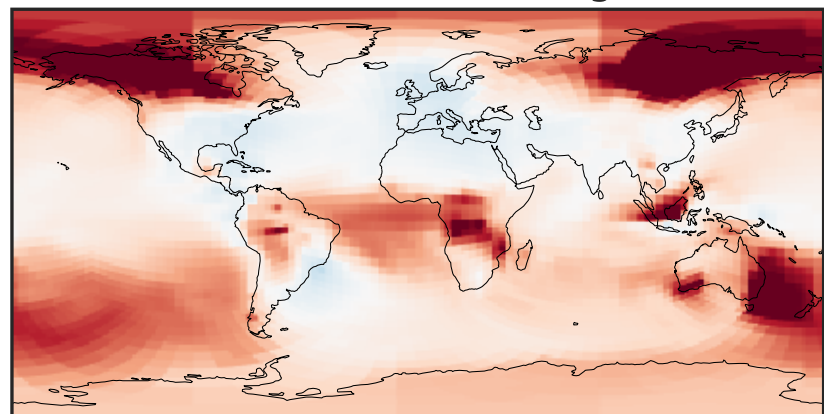
-0.015 0.000 0.015
µg/m3

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



0.108 0.554 1.000 5.120 9.239
unitless

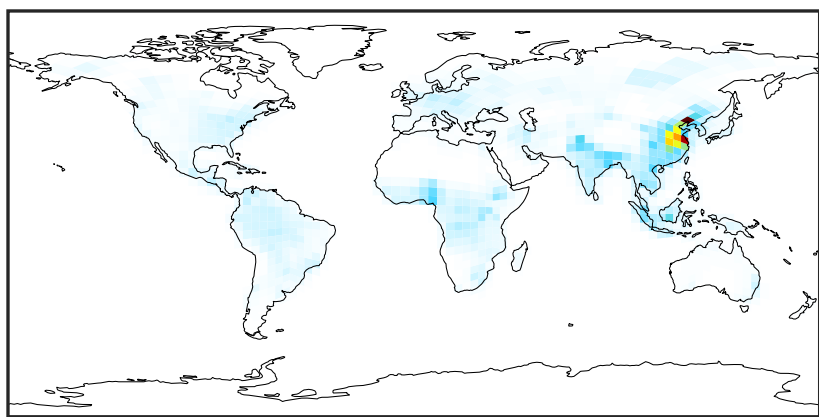
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

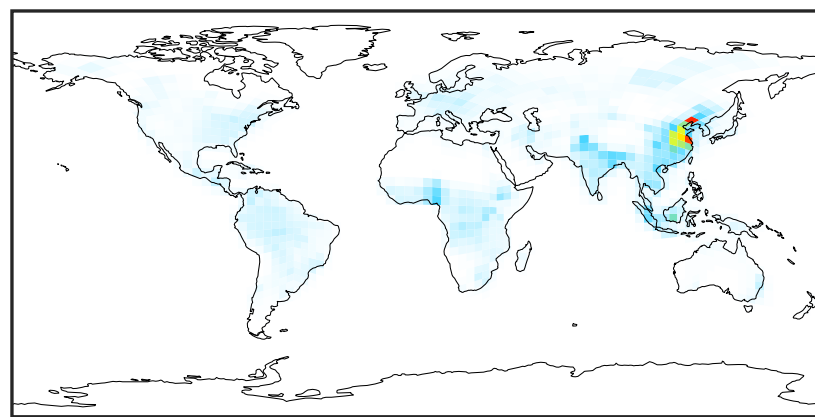
SpeciesConcVV_SOAP (AnnualMean)

GCHP_14.0.0 (Ref)
c24



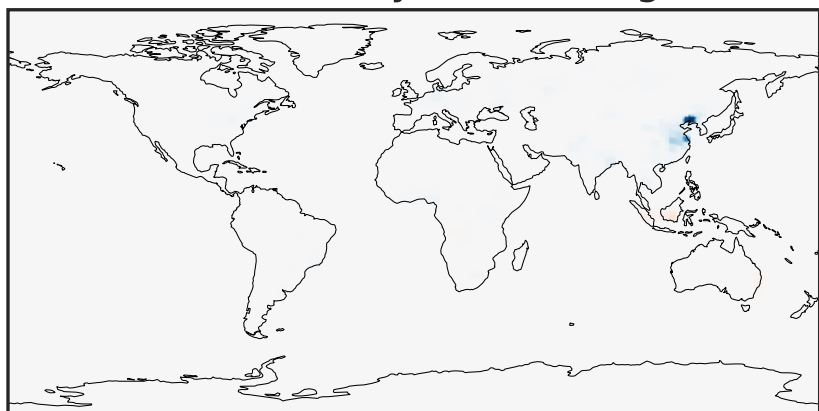
0.00 6.72 13.44 20.16 26.89
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



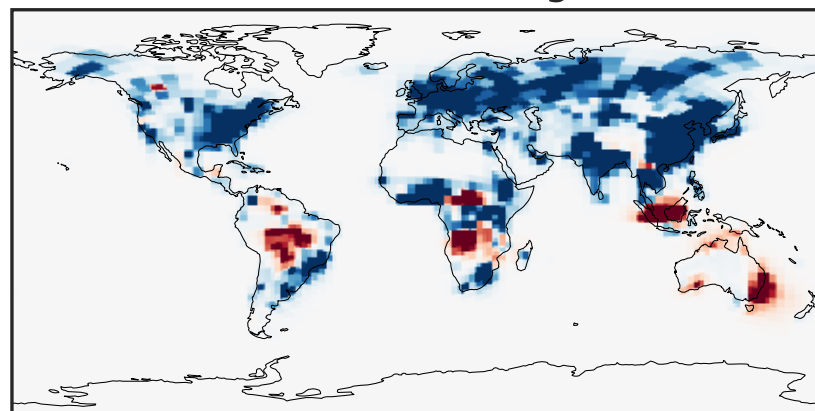
0.00 6.72 13.44 20.16 26.89
 $\mu\text{g}/\text{m}^3$

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



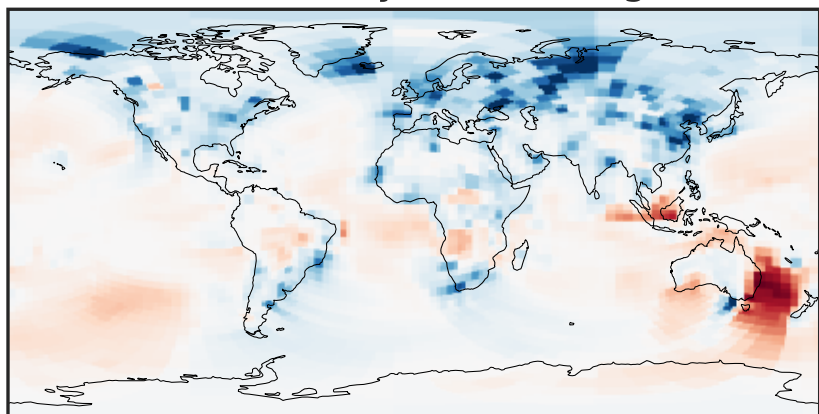
-7.71 -3.85 0.00 3.85 7.71
 $\mu\text{g}/\text{m}^3$

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



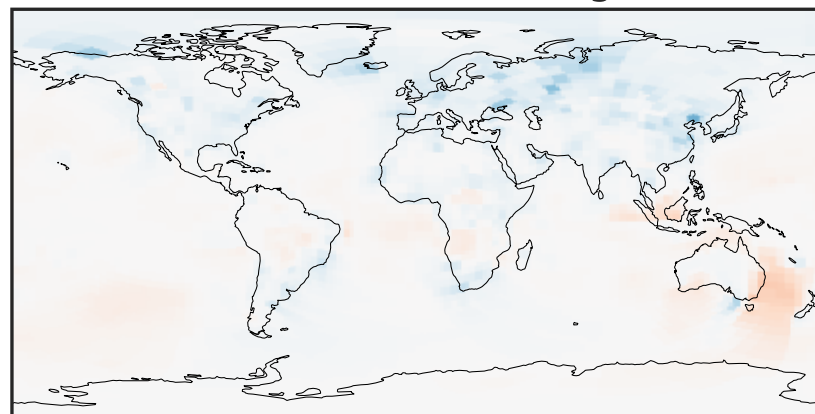
-0.02 0.00 0.02
 $\mu\text{g}/\text{m}^3$

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



0.8357 0.9178 1.0000 1.0983 1.1966
unitless

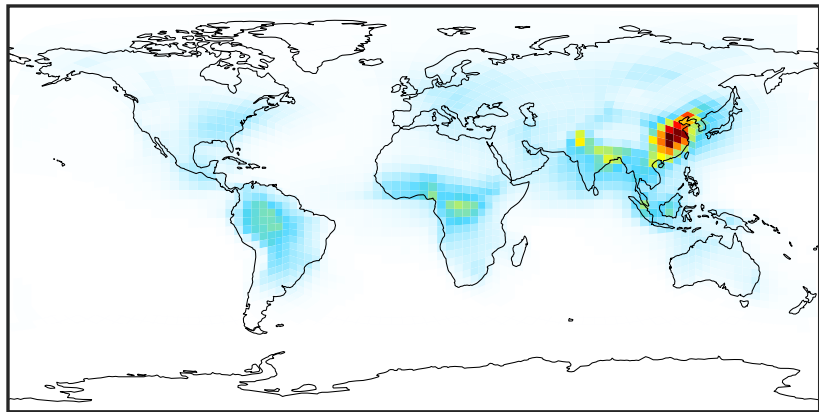
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

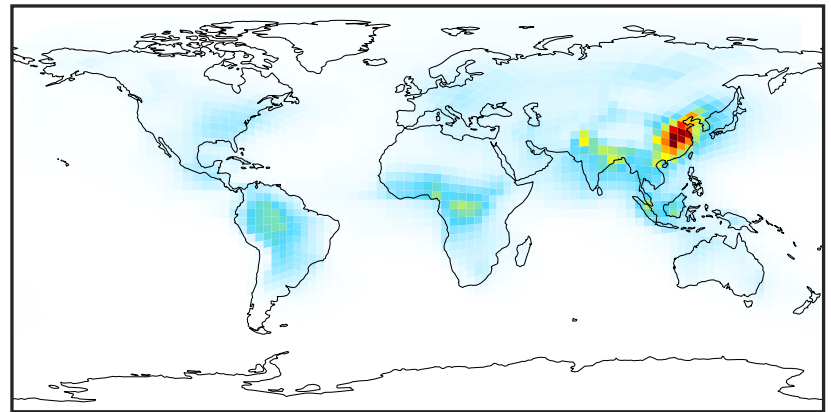
SpeciesConcVV_SOAS (AnnualMean)

GCHP_14.0.0 (Ref)
c24



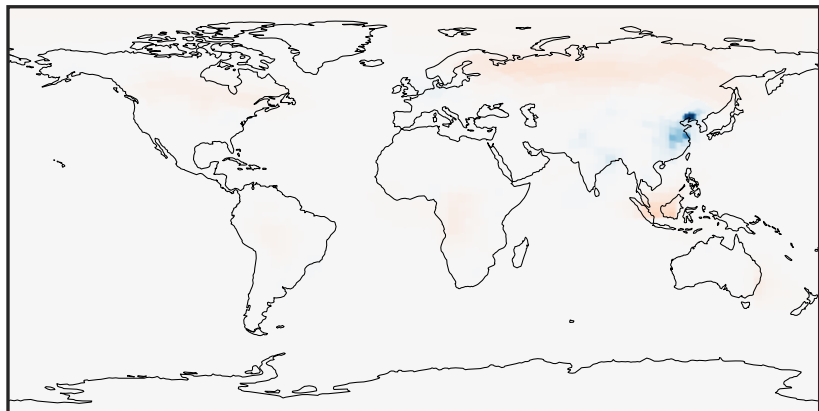
0.01 4.48 8.97 13.45 17.94
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



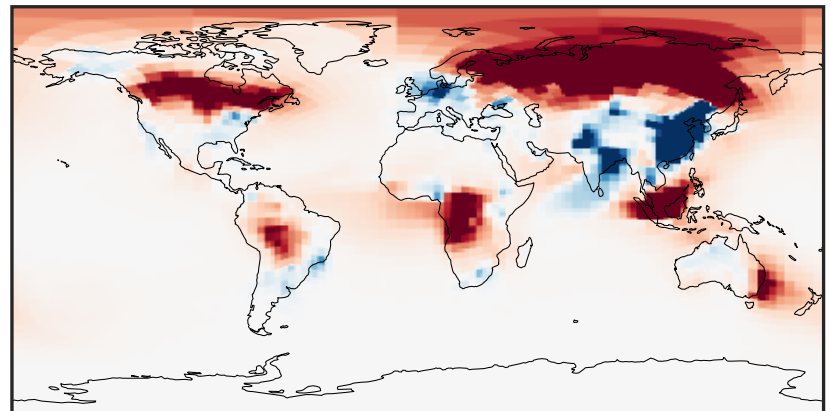
0.01 4.48 8.97 13.45 17.94
 $\mu\text{g}/\text{m}^3$

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



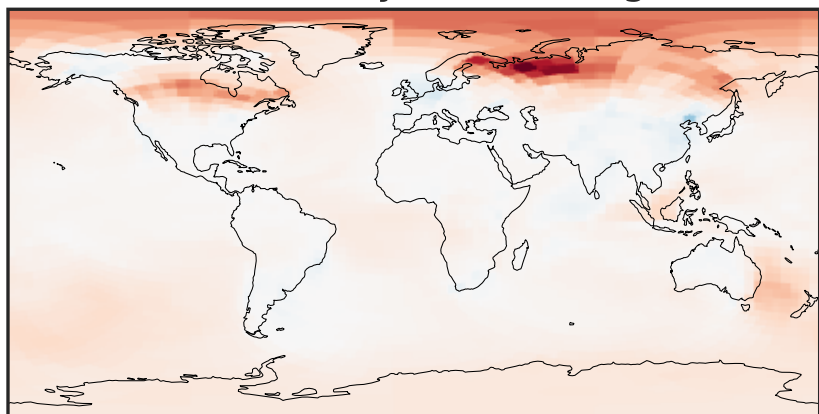
-1.653 -0.827 0.000 0.827 1.653
 $\mu\text{g}/\text{m}^3$

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



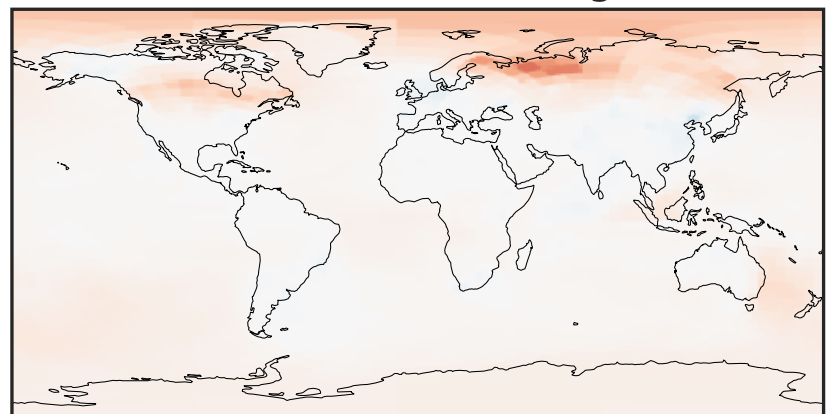
-0.0605 -0.0303 0.0000 0.0303 0.0605
 $\mu\text{g}/\text{m}^3$

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



0.6852 0.8426 1.0000 1.2298 1.4595
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless