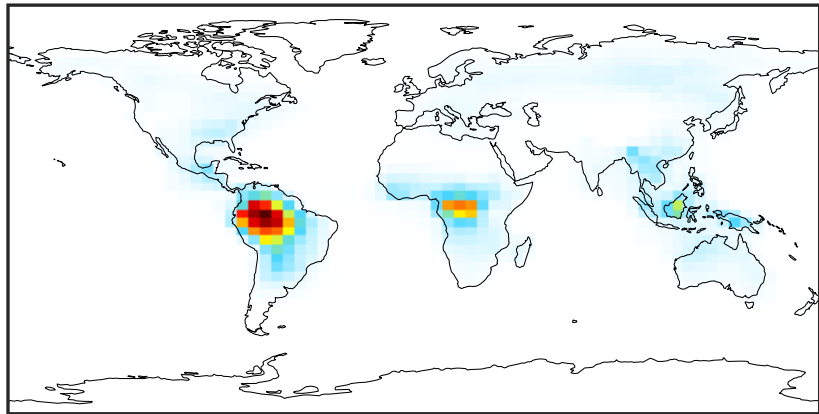


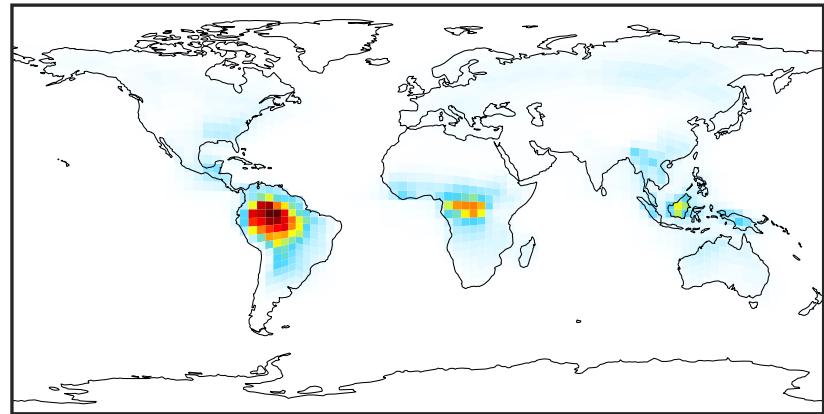
SpeciesConcVV_TSOA0 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



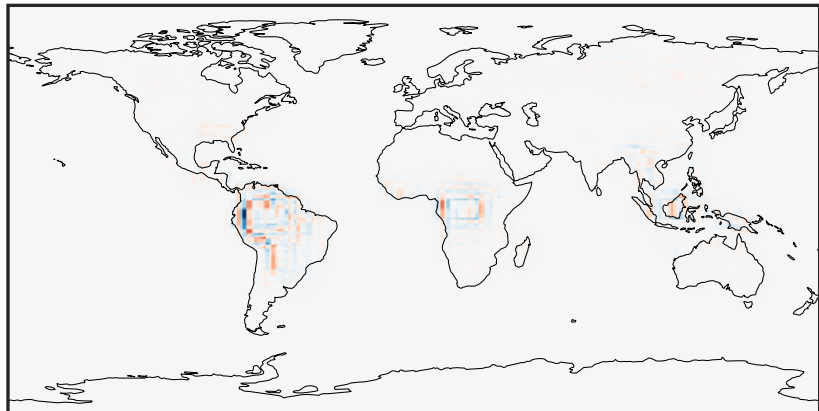
0.000 0.569 1.138 1.707 2.276
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



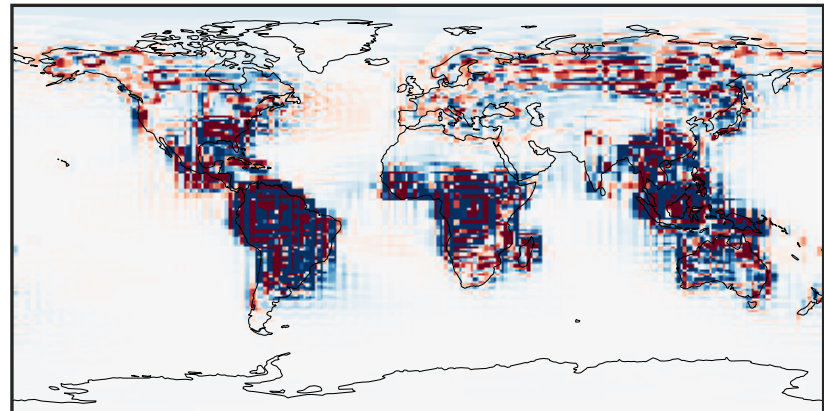
0.000 0.569 1.138 1.707 2.276
 $\mu\text{g}/\text{m}^3$

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



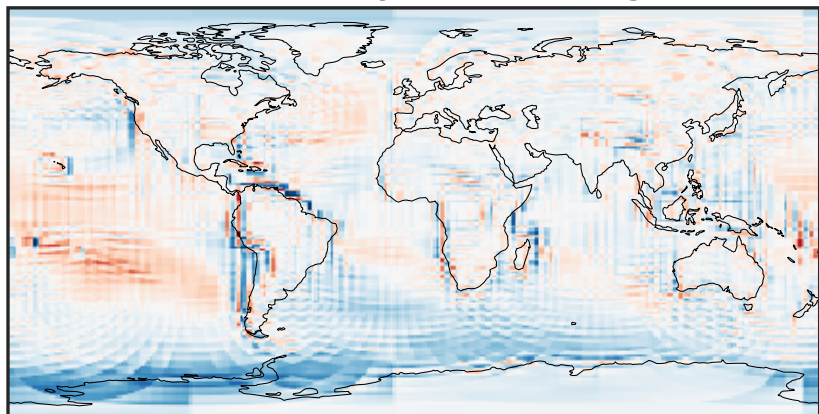
-0.950 -0.475 0.000 0.475 0.950
 $\mu\text{g}/\text{m}^3$

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



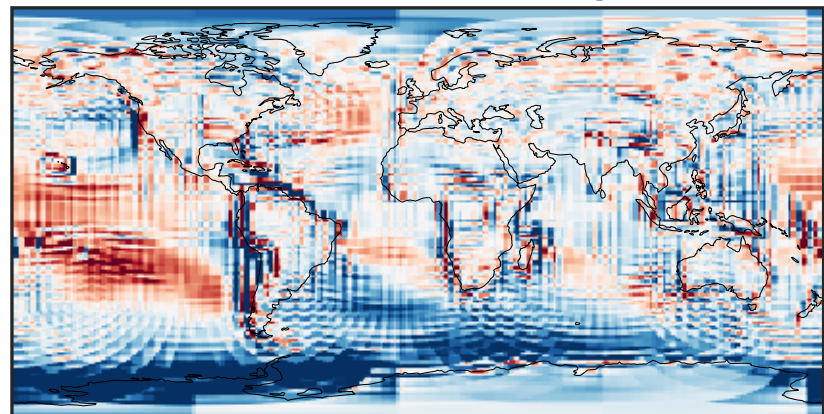
-0.006 0.000 0.006
 $\mu\text{g}/\text{m}^3$

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



0.156 0.578 1.000 3.700 6.399
unitless

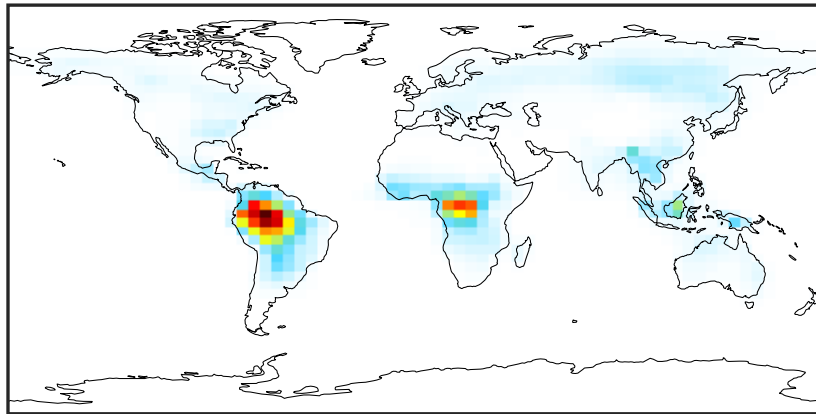
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

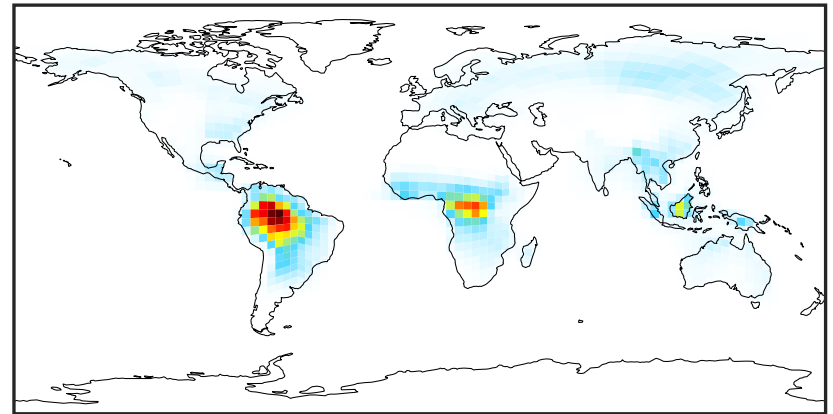
SpeciesConcVV_TSOA1 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



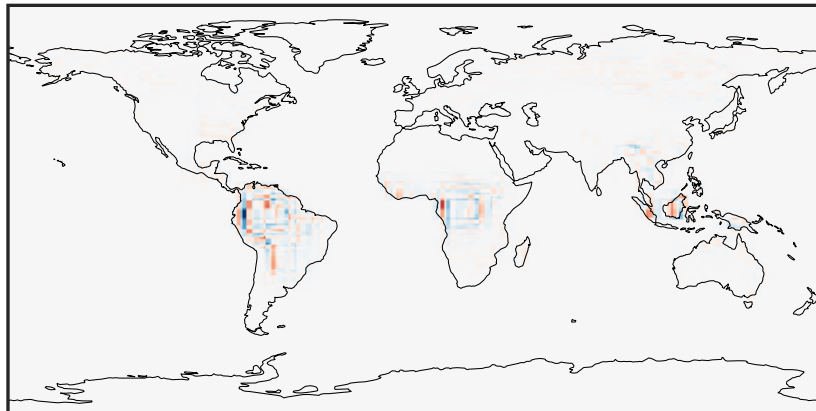
0.0000 0.2285 0.4570 0.6854 0.9139
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



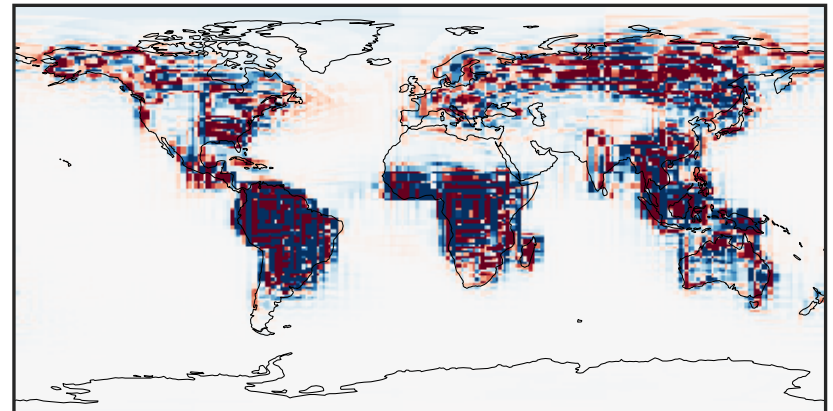
0.0000 0.2285 0.4570 0.6854 0.9139
 $\mu\text{g}/\text{m}^3$

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



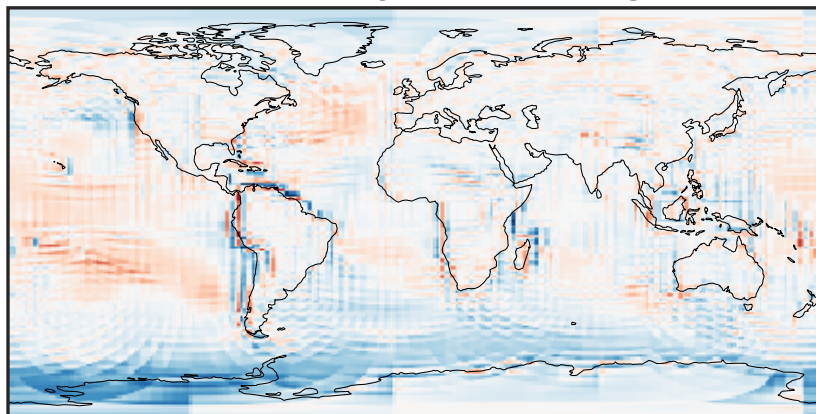
-0.3559 -0.1779 0.0000 0.1779 0.3559
 $\mu\text{g}/\text{m}^3$

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



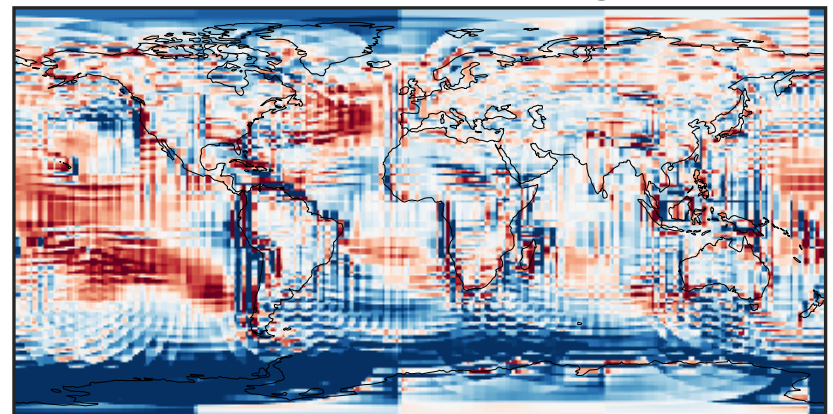
-0.0025 0.0000 0.0025
 $\mu\text{g}/\text{m}^3$

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



1e-01 1 10
unitless

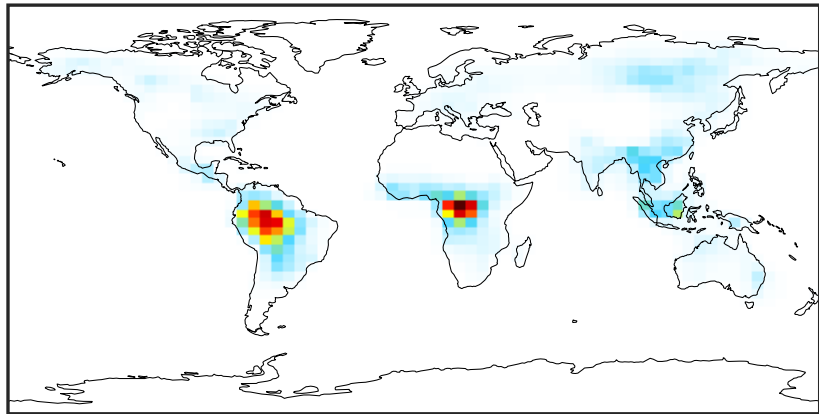
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

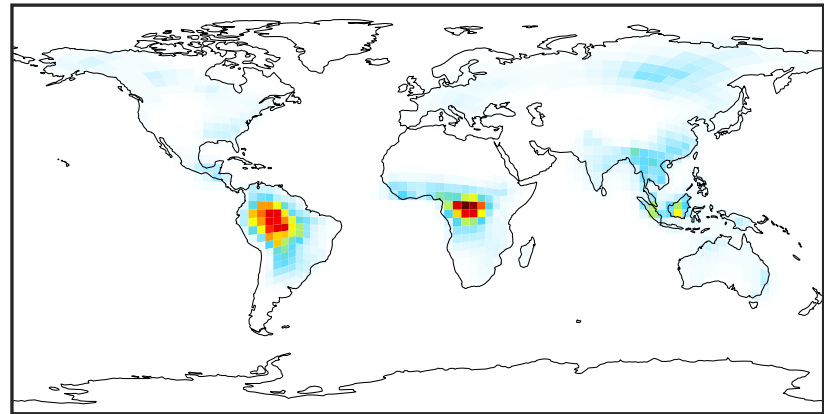
SpeciesConcVV_TSOA2 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



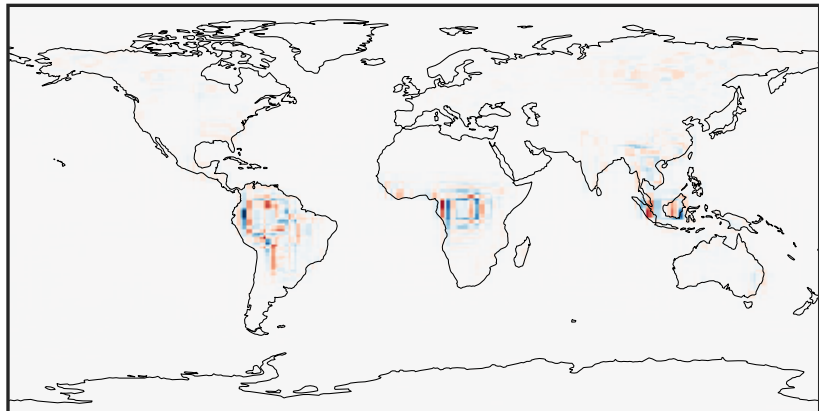
0.000 0.854 1.707 2.561 3.414
µg/m3

GCHP_14.2.0 (Dev)
c24



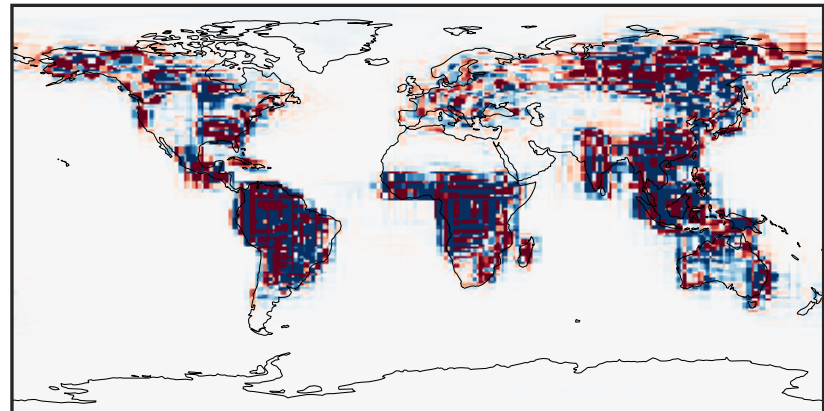
0.000 0.854 1.707 2.561 3.414
µg/m3

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



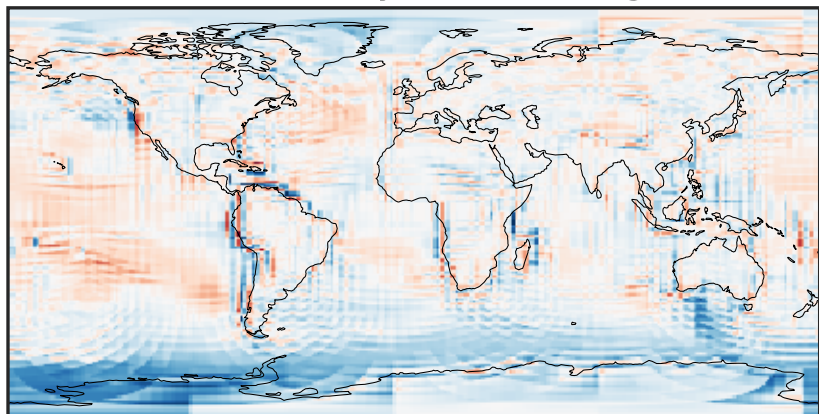
-1.107 -0.554 0.000 0.554 1.107
µg/m3

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



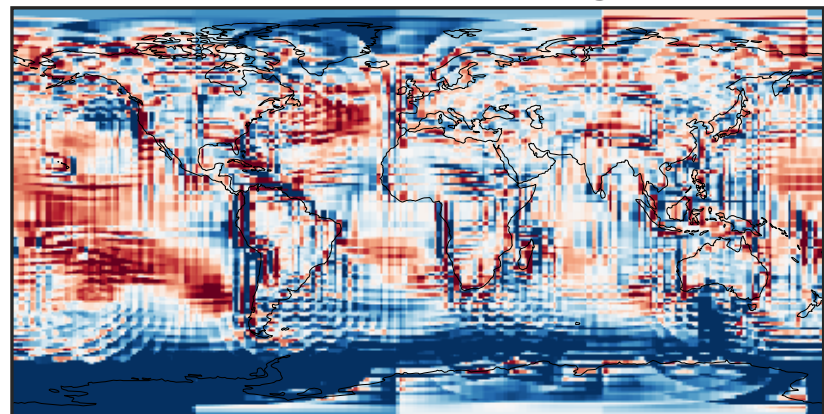
-0.01 0.00 0.01
µg/m3

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



1e-01 1 10
unitless

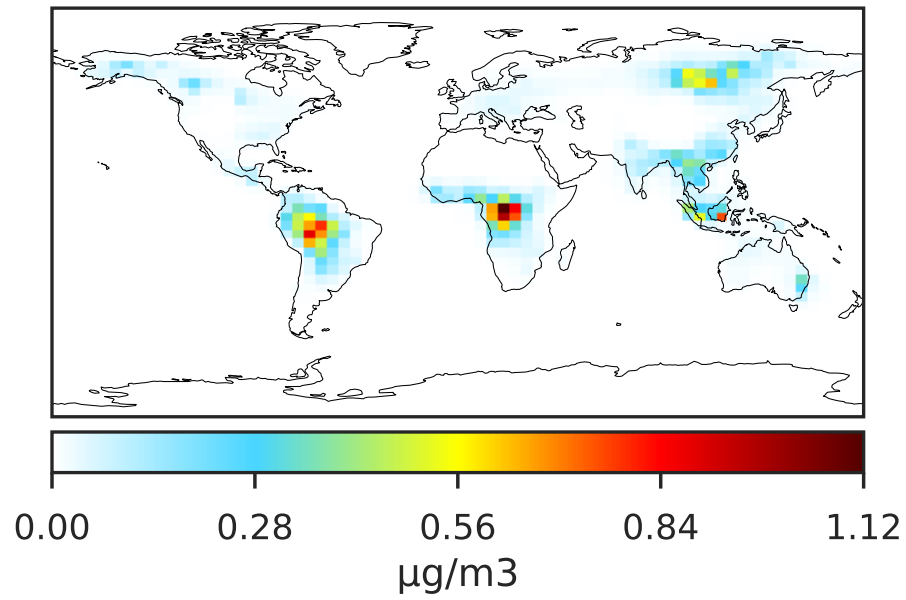
Ratio (1x1.25)
Dev/Ref, Fixed Range



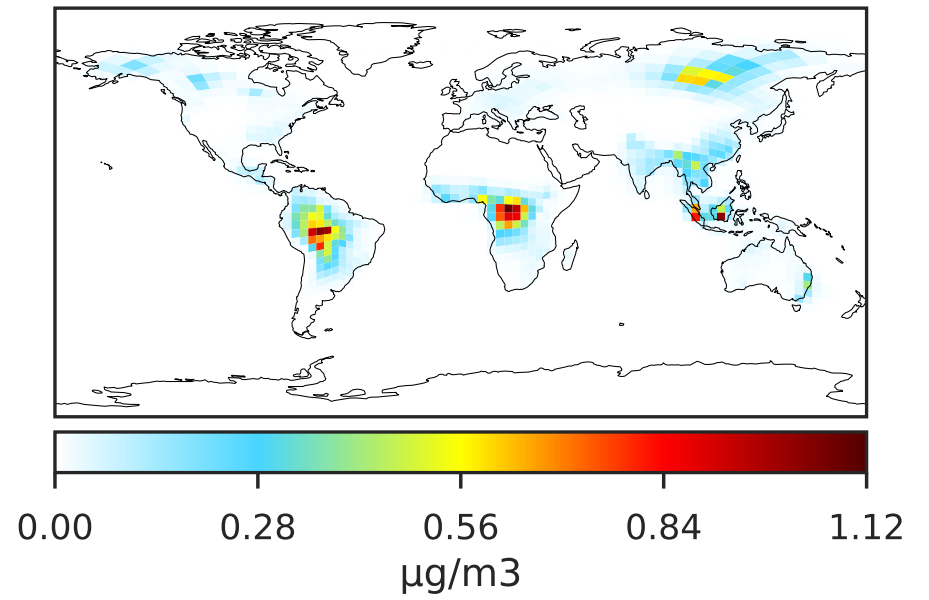
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_TSOA3 (AnnualMean)

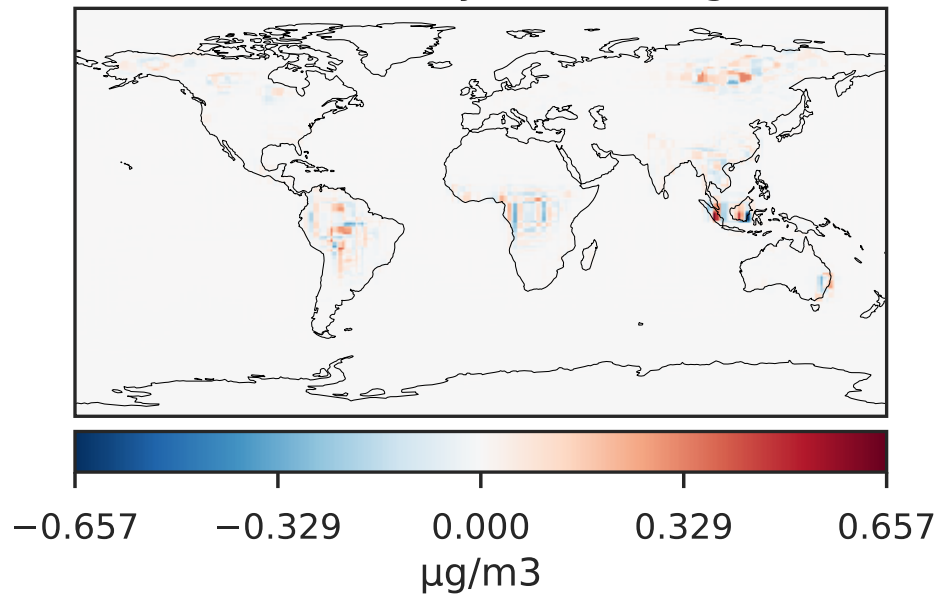
GCC_14.2.0 (Ref)
4.0x5.0



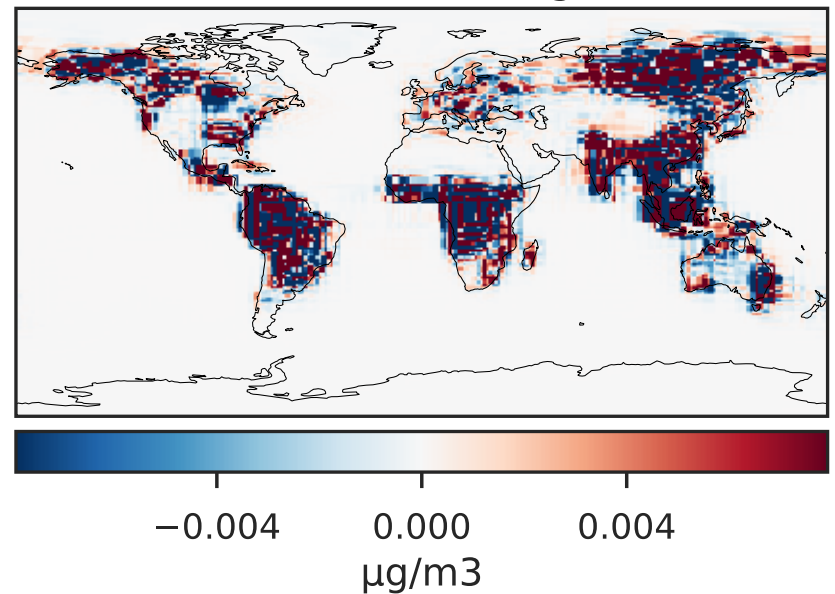
GCHP_14.2.0 (Dev)
c24



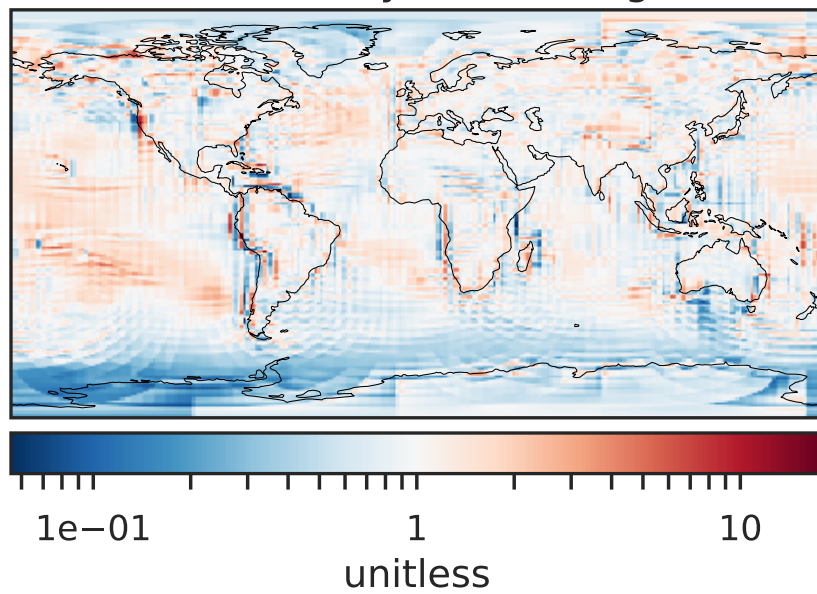
Difference (1x1.25)
Dev - Ref, Dynamic Range



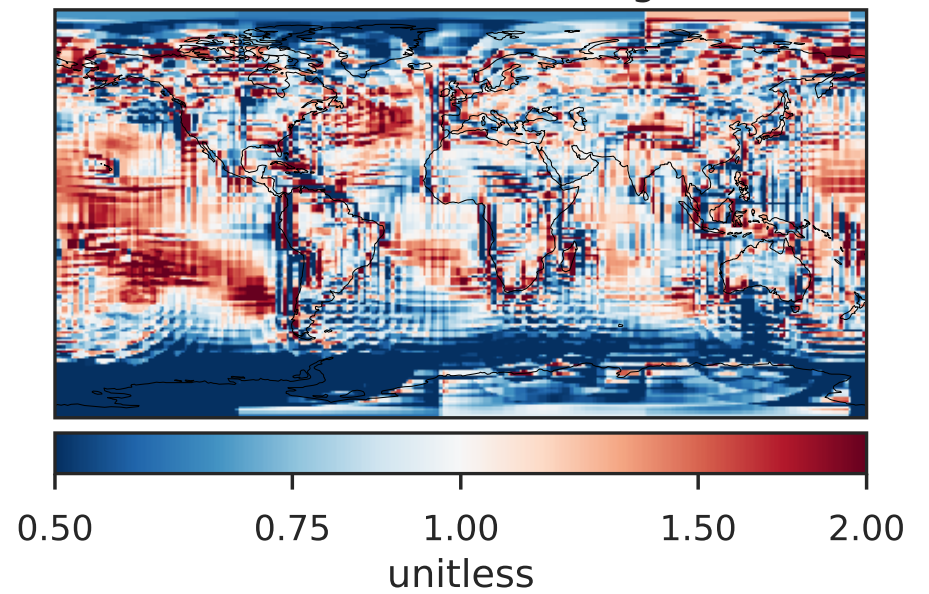
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

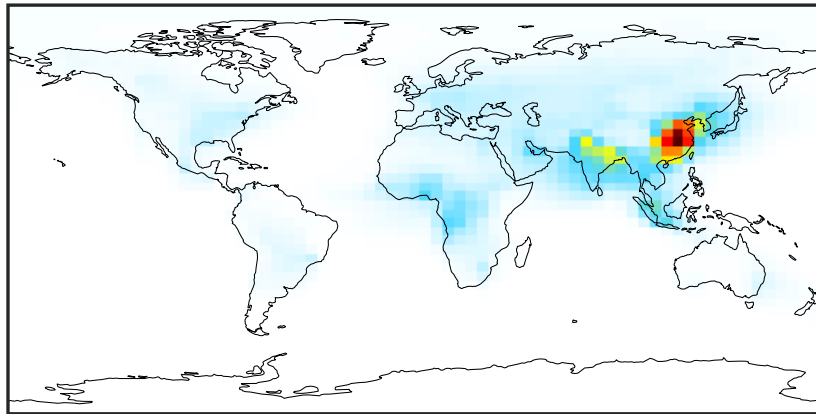


Ratio (1x1.25)
Dev/Ref, Fixed Range



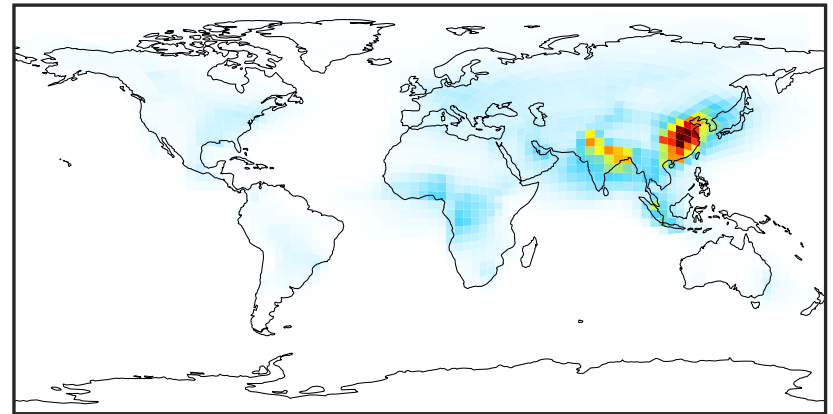
SpeciesConcVV_ASOA1 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



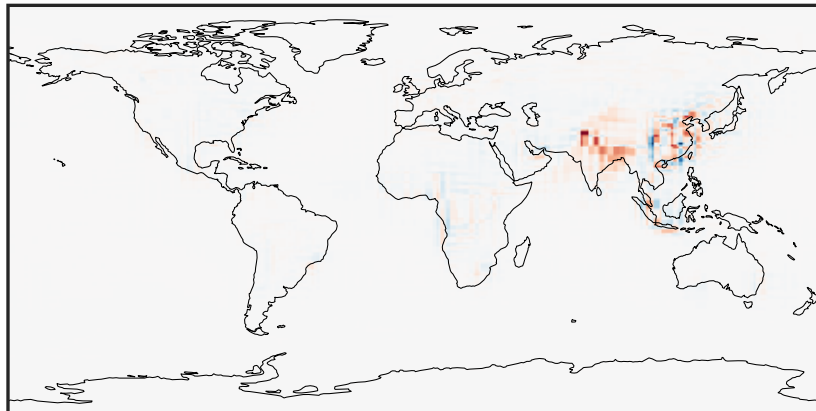
0.0000 0.0318 0.0636 0.0954 0.1272
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



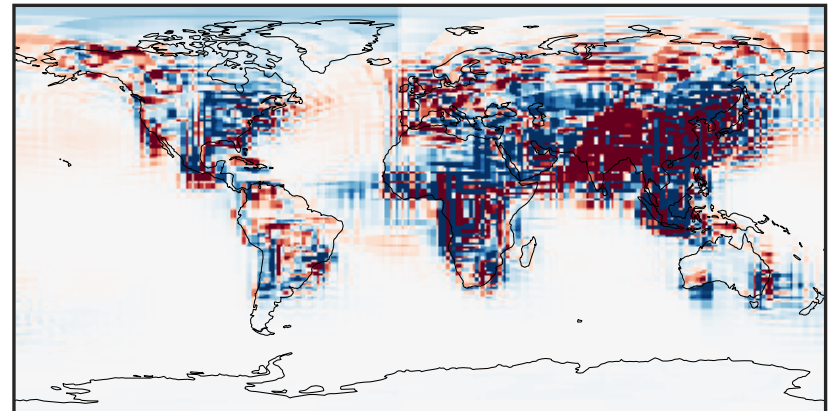
0.0000 0.0318 0.0636 0.0954 0.1272
 $\mu\text{g}/\text{m}^3$

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



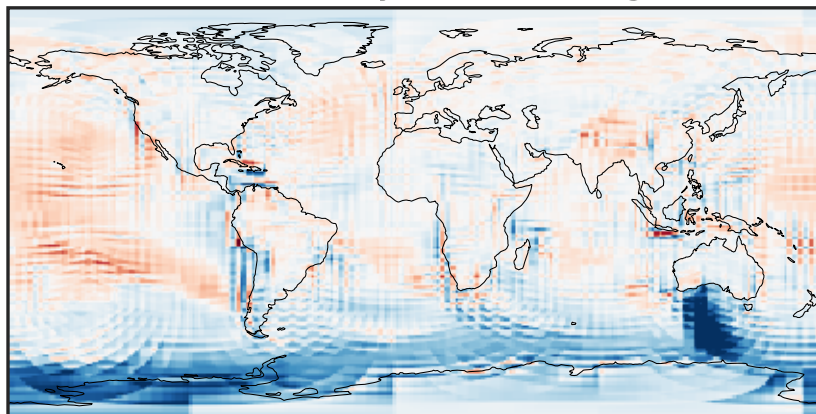
-0.025 0.000 0.025
 $\mu\text{g}/\text{m}^3$

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



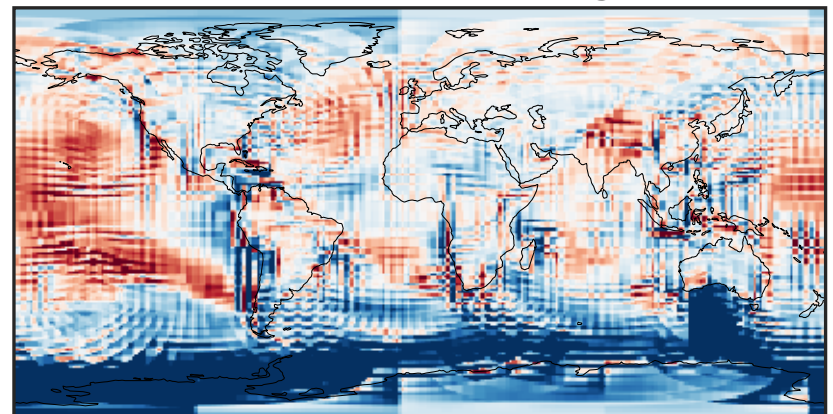
-0.0005 0.0000 0.0005
 $\mu\text{g}/\text{m}^3$

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



0.156 0.578 1.000 3.713 6.425
unitless

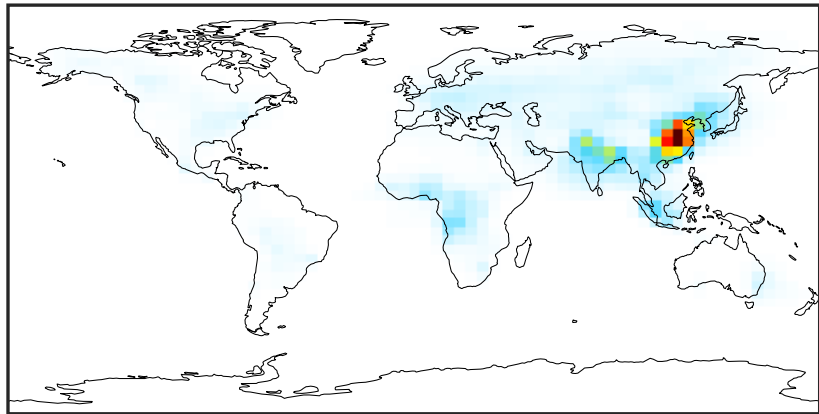
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

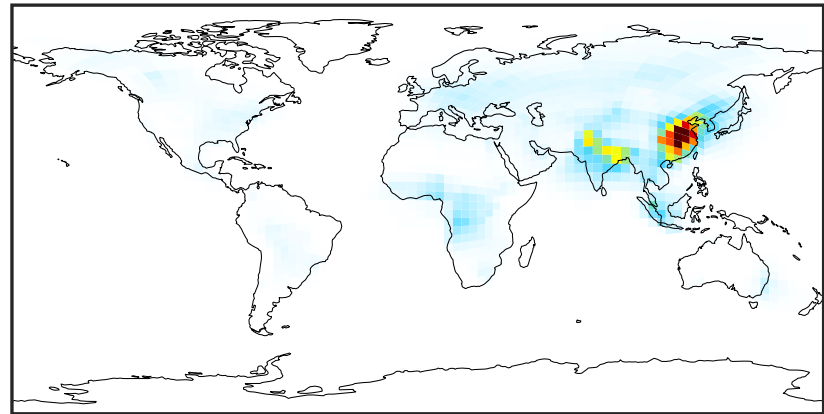
SpeciesConcVV_ASOA2 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



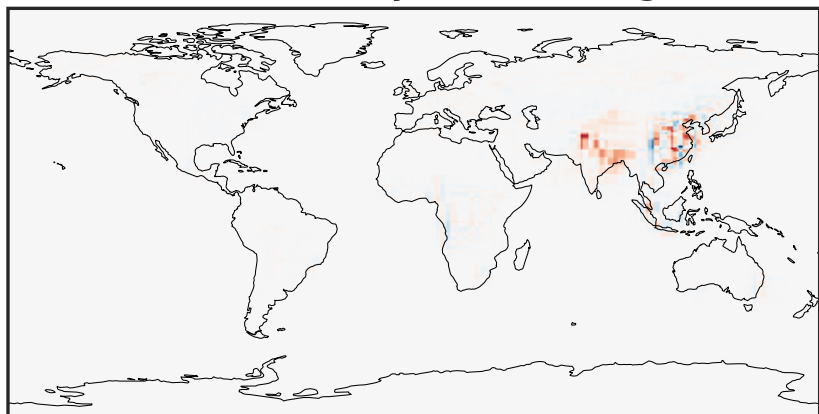
0.0000 0.0292 0.0585 0.0877 0.1170
µg/m3

GCHP_14.2.0 (Dev)
c24



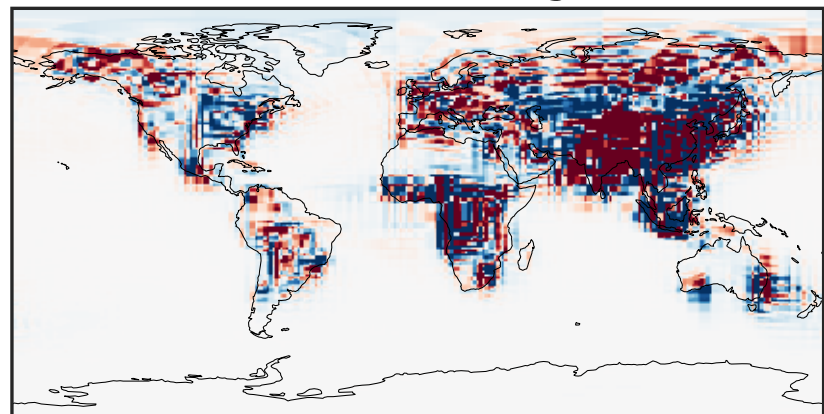
0.0000 0.0292 0.0585 0.0877 0.1170
µg/m3

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



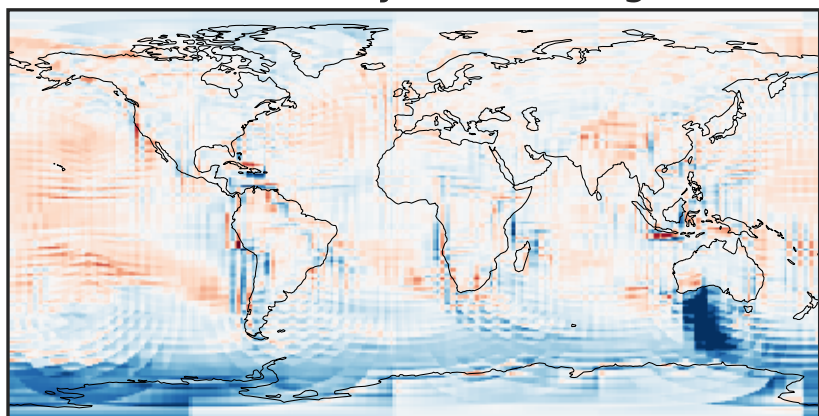
-0.025 0.000 0.025
µg/m3

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



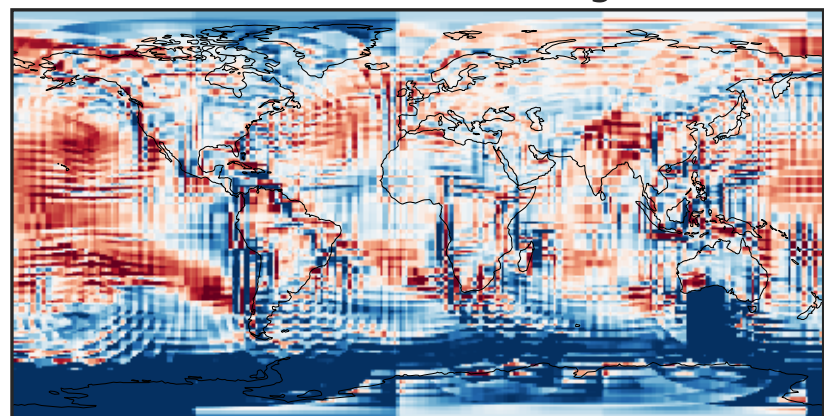
-0.0003 0.0000 0.0003
µg/m3

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



1e-01 1 10
unitless

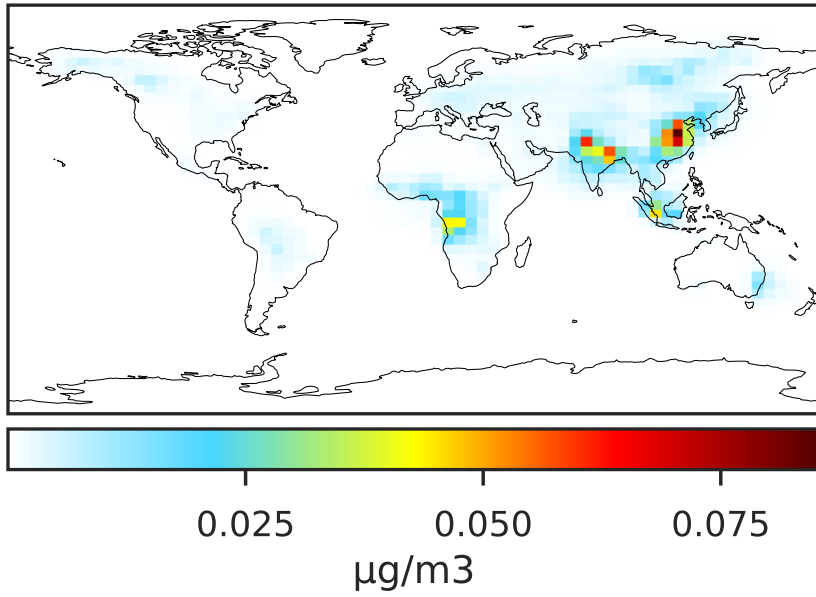
Ratio (1x1.25)
Dev/Ref, Fixed Range



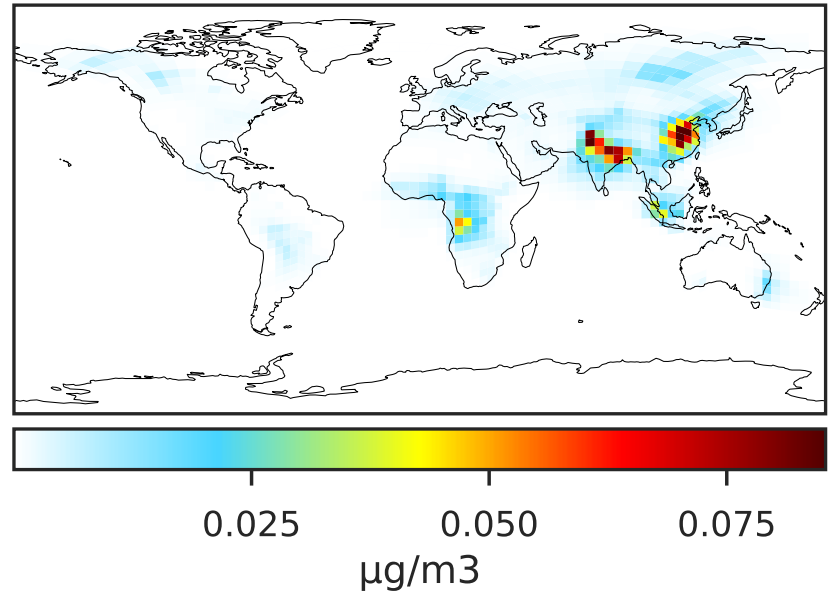
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ASOA3 (AnnualMean)

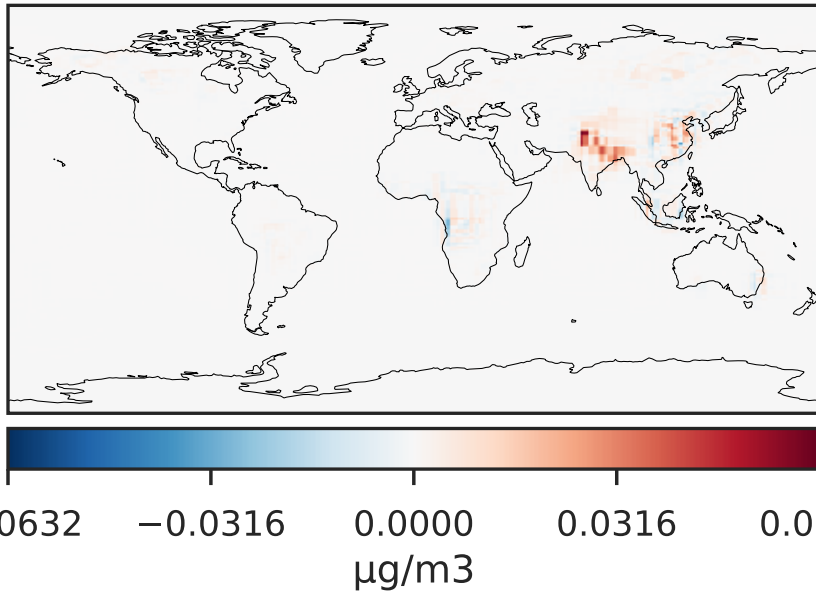
GCC_14.2.0 (Ref)
4.0x5.0



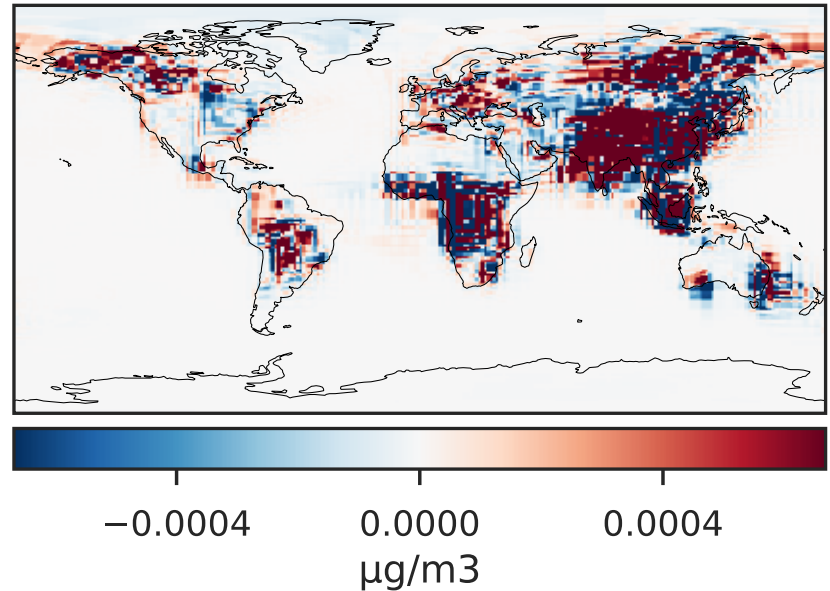
GCHP_14.2.0 (Dev)
c24



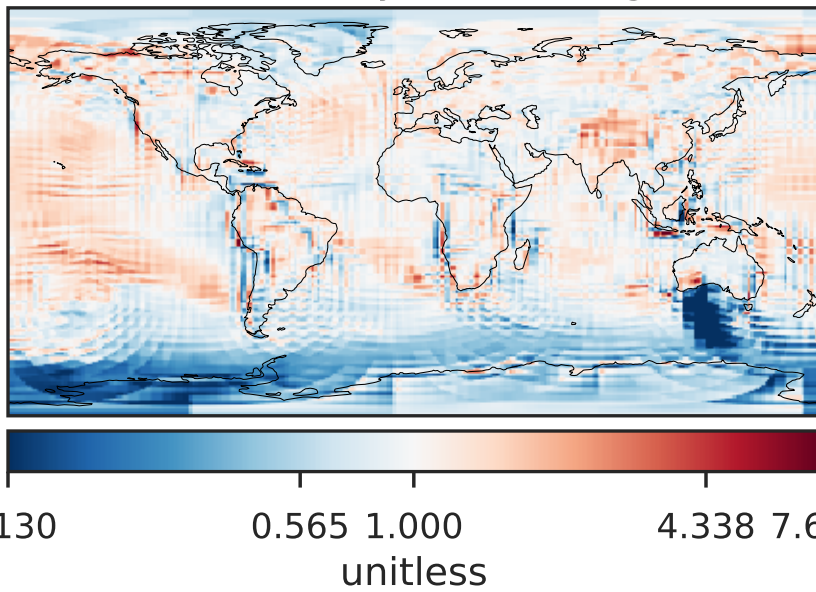
Difference (1x1.25)
Dev - Ref, Dynamic Range



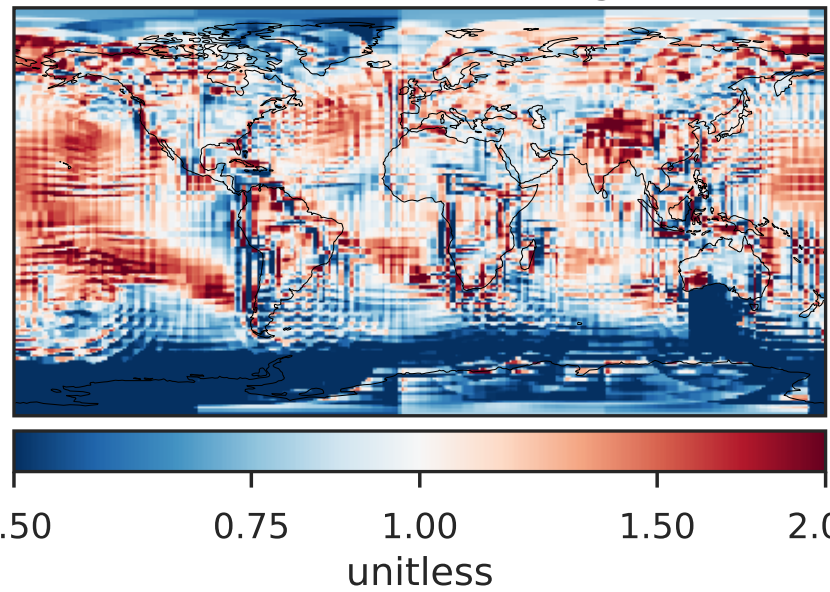
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

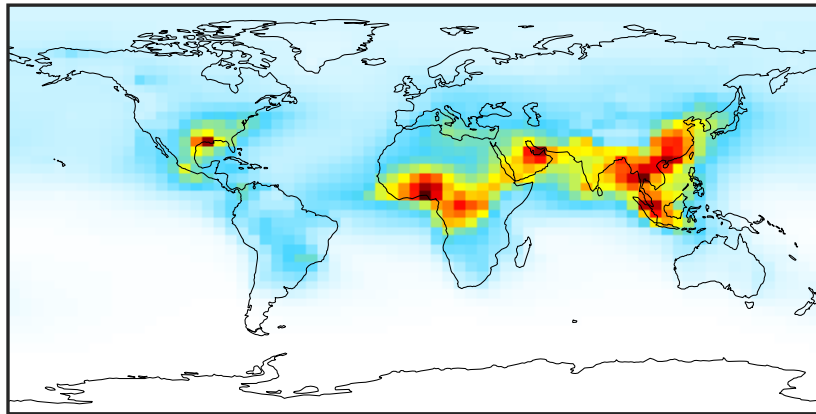


Ratio (1x1.25)
Dev/Ref, Fixed Range



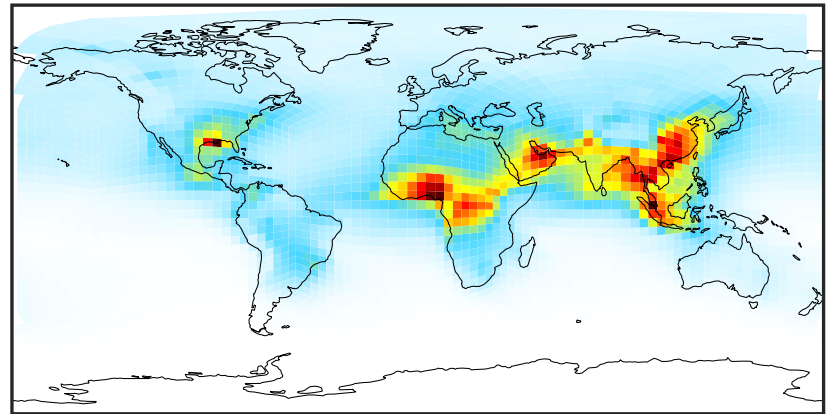
SpeciesConcVV_ASOAN (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



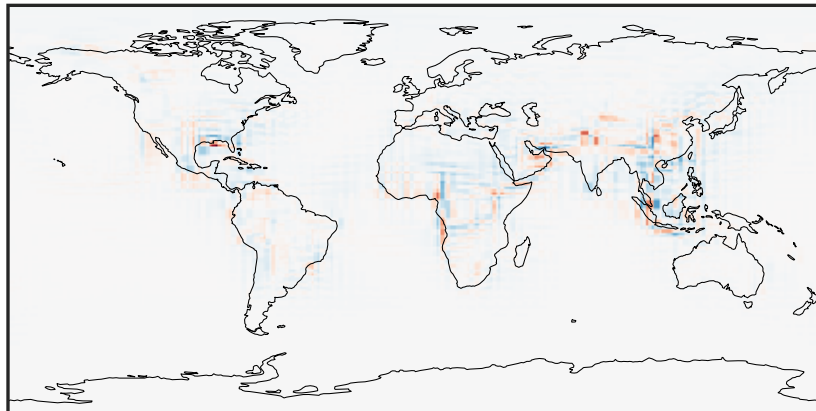
0.0005 0.0432 0.0863 0.1295 0.1732
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



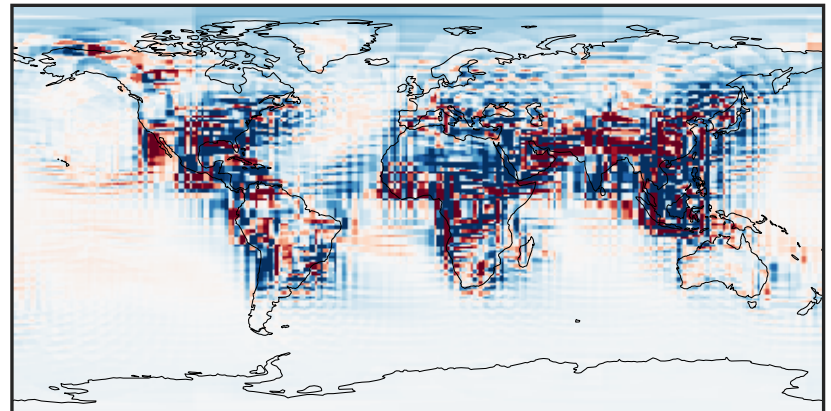
0.0005 0.0432 0.0863 0.1295 0.1732
 $\mu\text{g}/\text{m}^3$

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



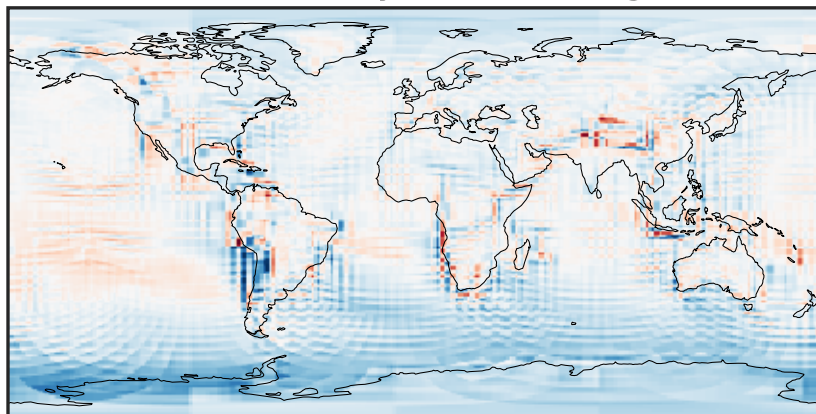
-0.0687 -0.0344 0.0000 0.0344 0.0687
 $\mu\text{g}/\text{m}^3$

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



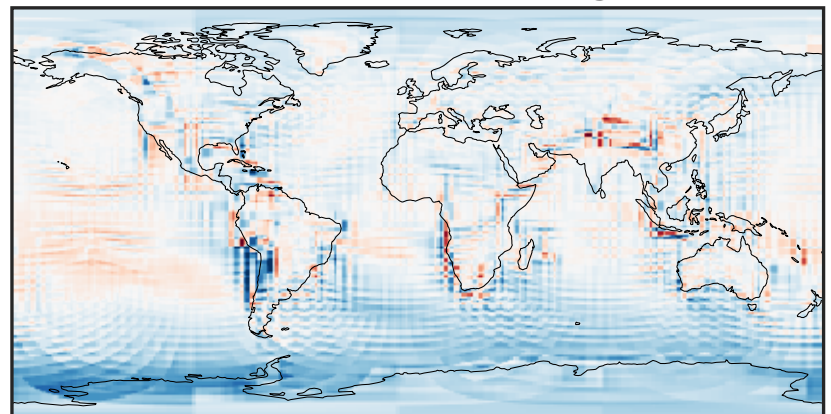
-0.0025 0.0000 0.0025
 $\mu\text{g}/\text{m}^3$

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



0.470 0.735 1.000 1.564 2.128
unitless

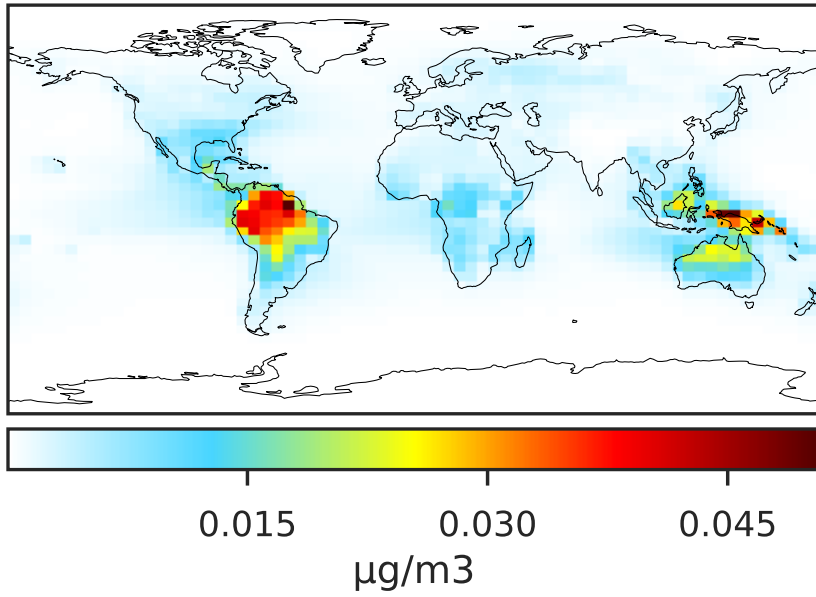
Ratio (1x1.25)
Dev/Ref, Fixed Range



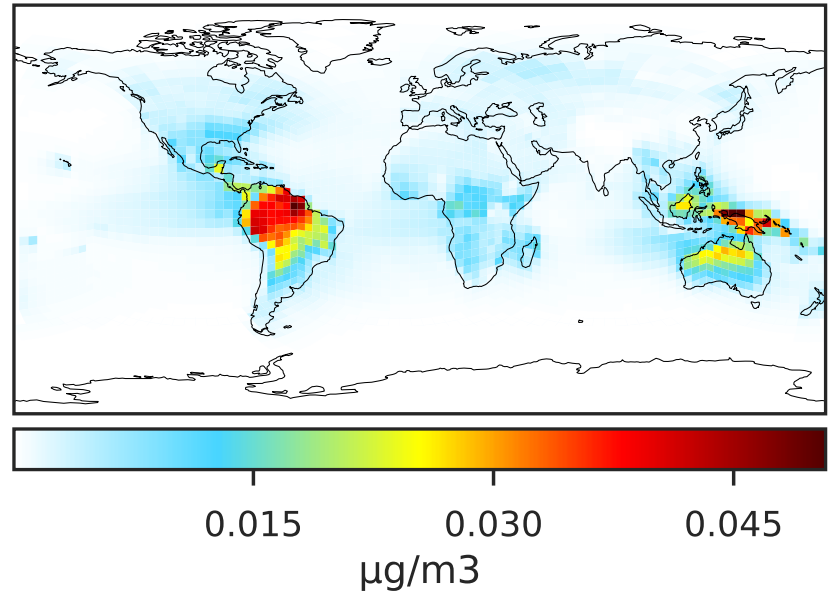
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_TSOG0 (AnnualMean)

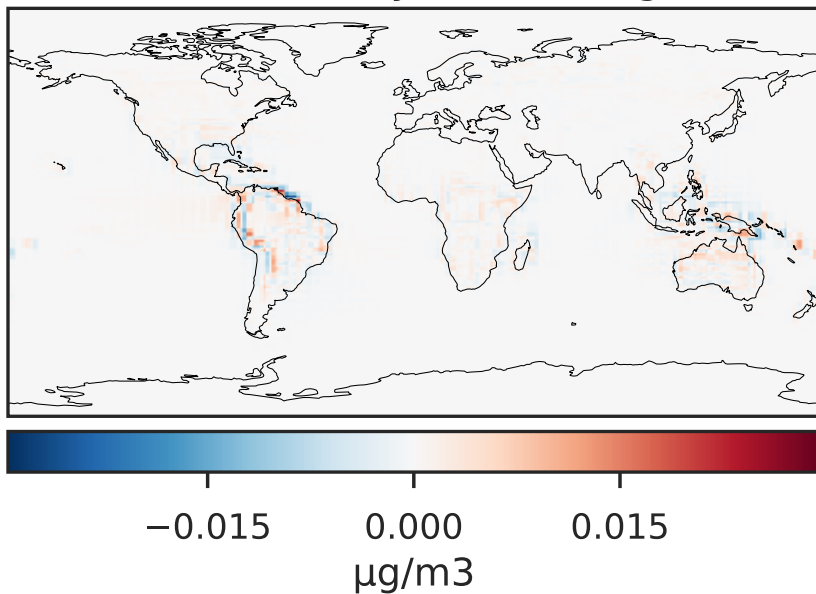
GCC_14.2.0 (Ref)
4.0x5.0



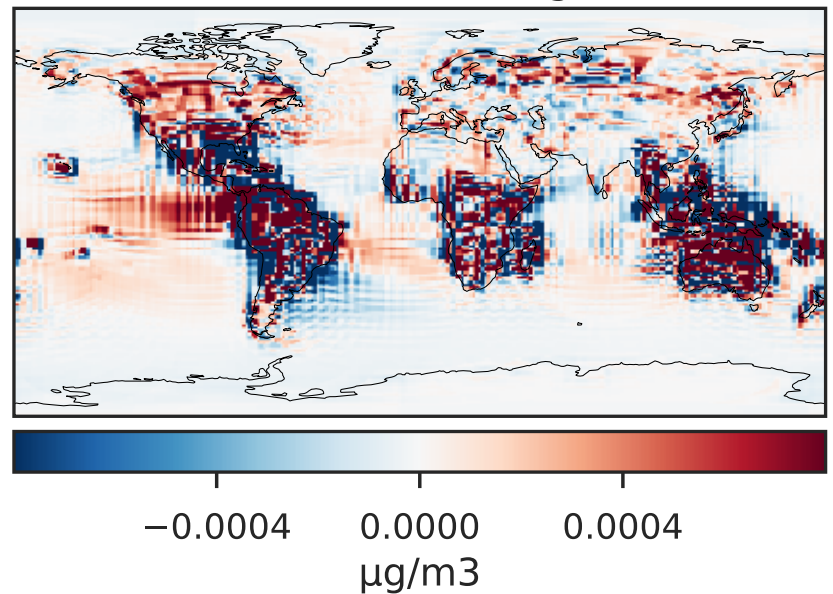
GCHP_14.2.0 (Dev)
c24



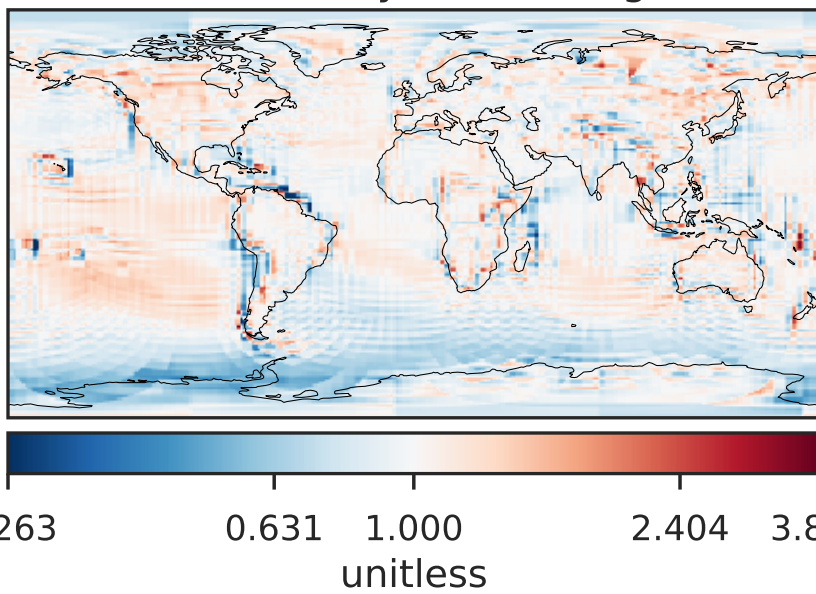
Difference (1x1.25)
Dev - Ref, Dynamic Range



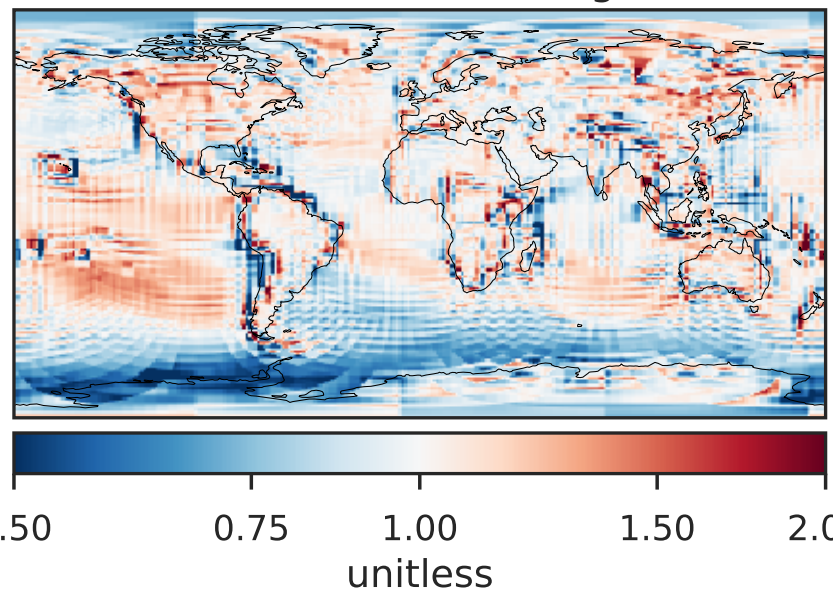
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

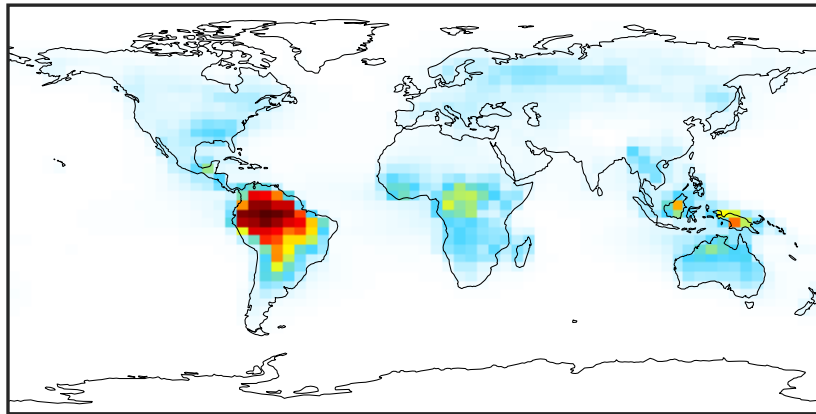


Ratio (1x1.25)
Dev/Ref, Fixed Range



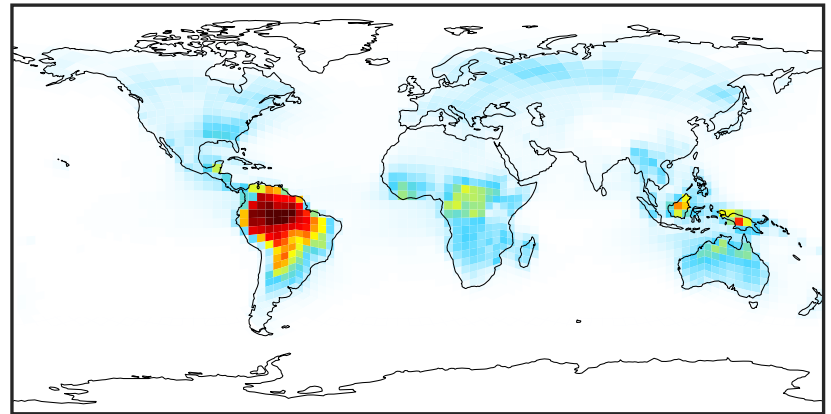
SpeciesConcVV_TSOG1 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



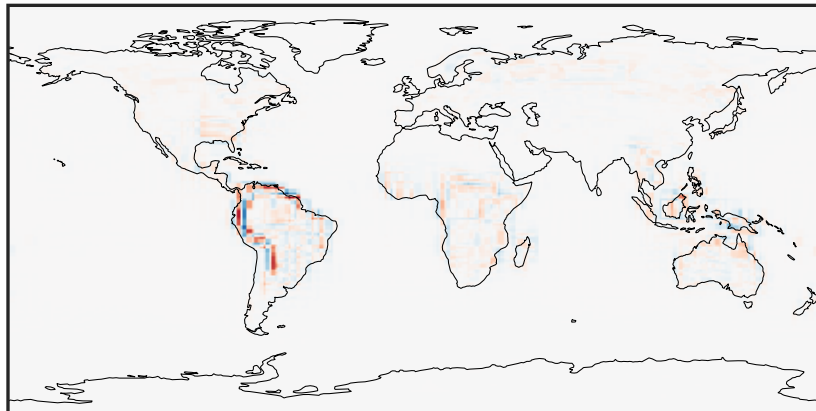
0.0000 0.0338 0.0677 0.1015 0.1354
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



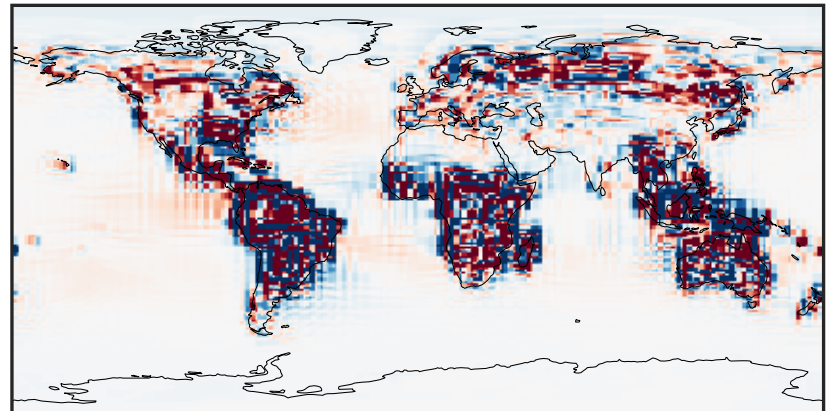
0.0000 0.0338 0.0677 0.1015 0.1354
 $\mu\text{g}/\text{m}^3$

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



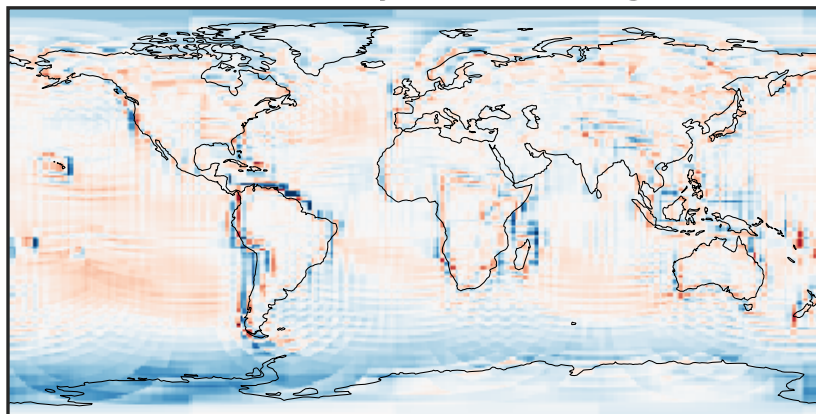
-0.0627 -0.0313 0.0000 0.0313 0.0627
 $\mu\text{g}/\text{m}^3$

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



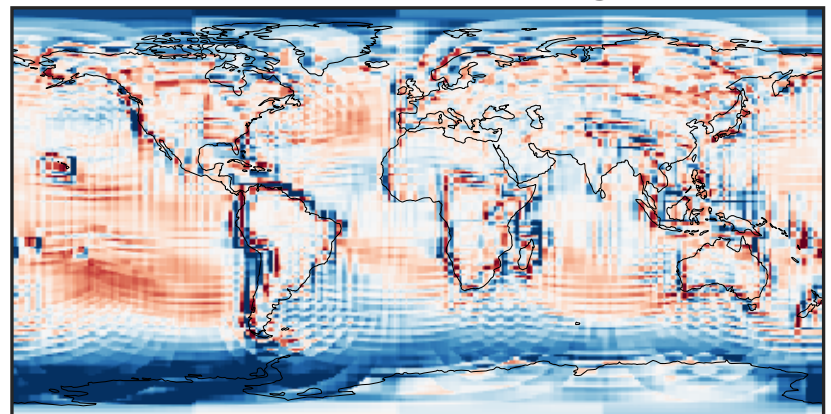
-0.001 0.000 0.001
 $\mu\text{g}/\text{m}^3$

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



0.194 0.597 1.000 3.075 5.149
unitless

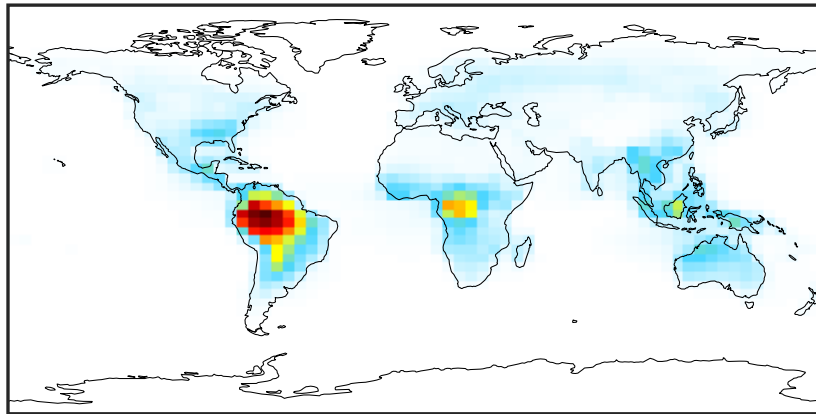
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

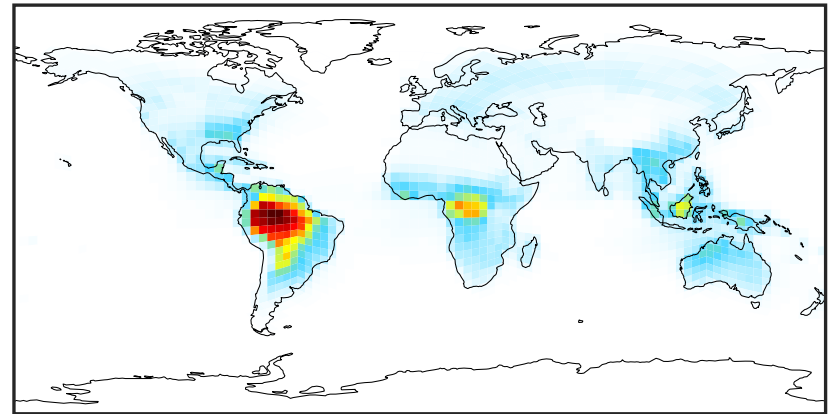
SpeciesConcVV_TSOG2 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



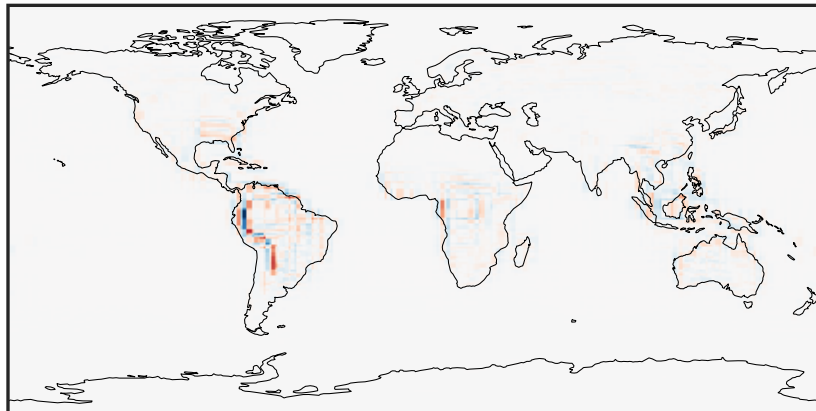
0.000 0.882 1.763 2.645 3.527
µg/m3

GCHP_14.2.0 (Dev)
c24



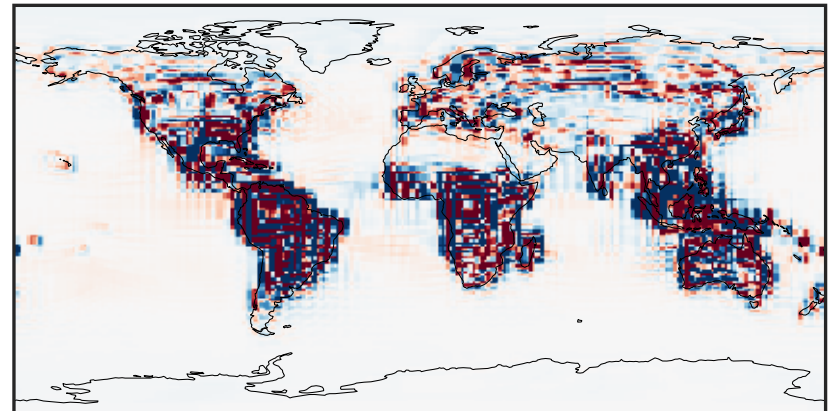
0.000 0.882 1.763 2.645 3.527
µg/m3

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



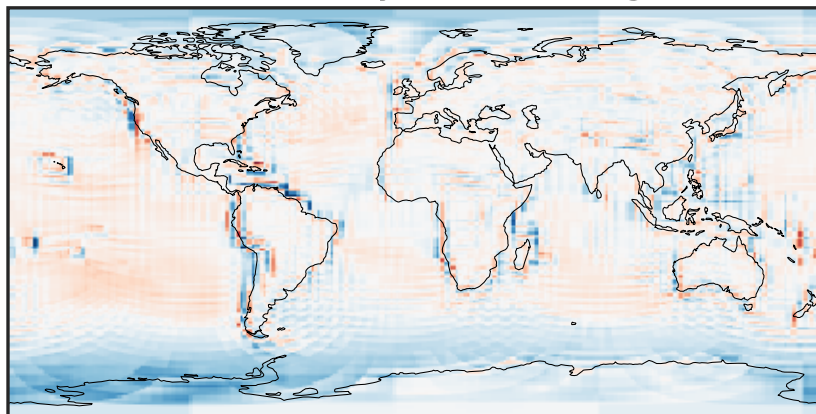
-1.506 -0.753 0.000 0.753 1.506
µg/m3

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



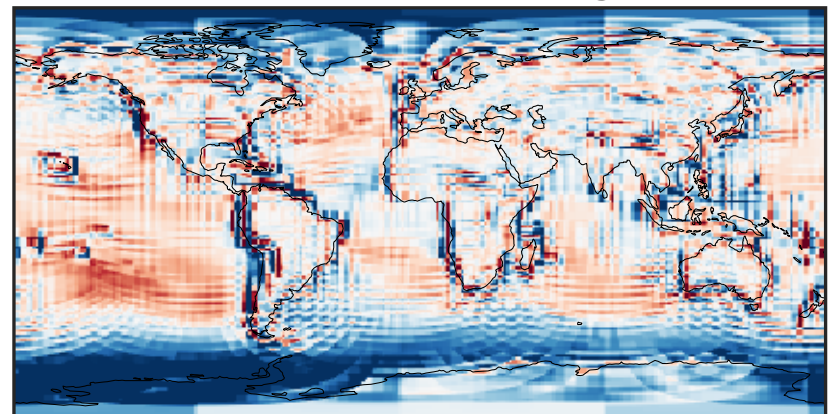
-0.02 0.00 0.02
µg/m3

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



0.116 0.558 1.000 4.801 8.603
unitless

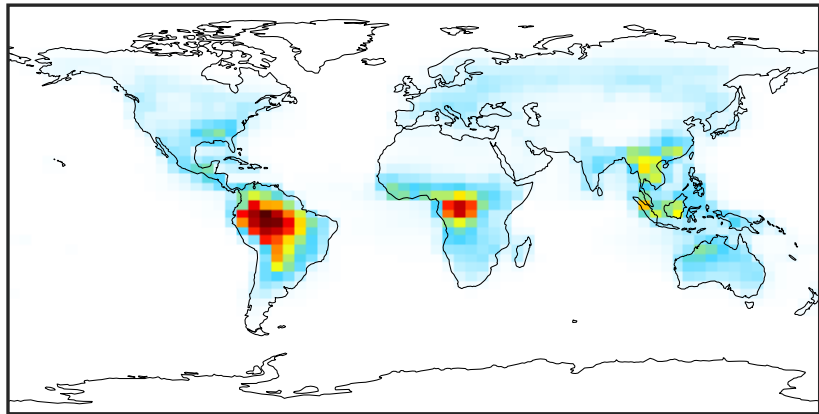
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

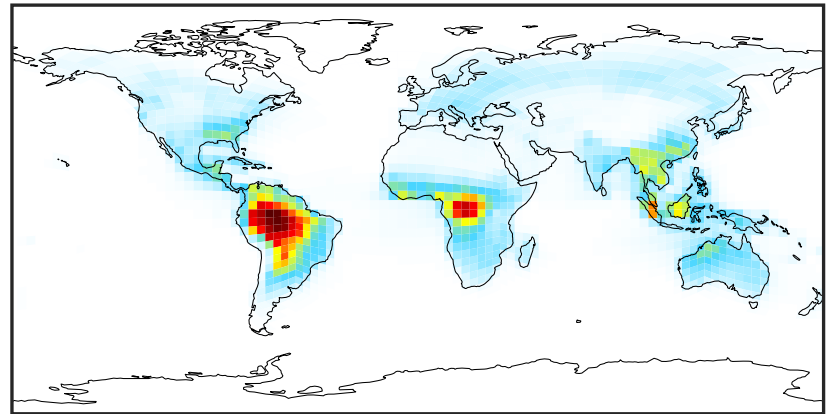
SpeciesConcVV_TSOG3 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



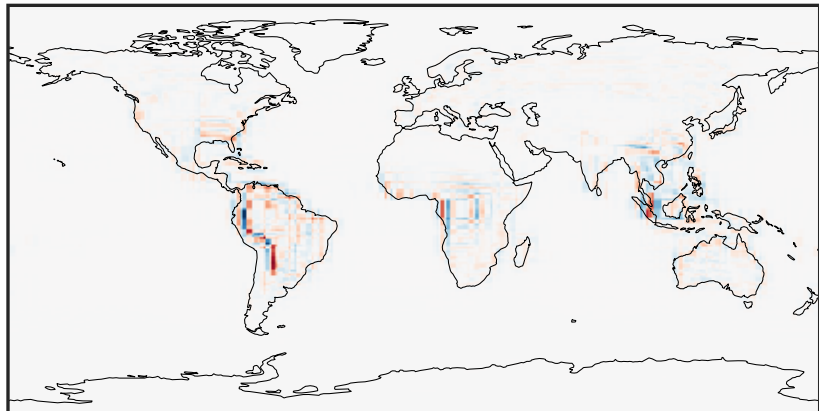
0.001 1.599 3.197 4.796 6.396
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



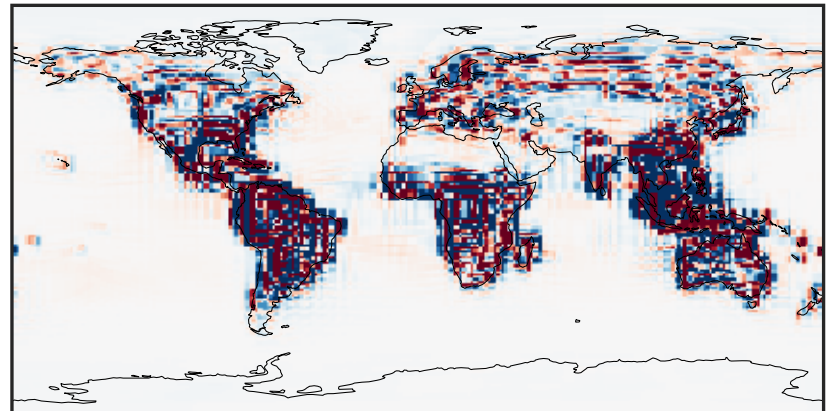
0.001 1.599 3.197 4.796 6.396
 $\mu\text{g}/\text{m}^3$

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



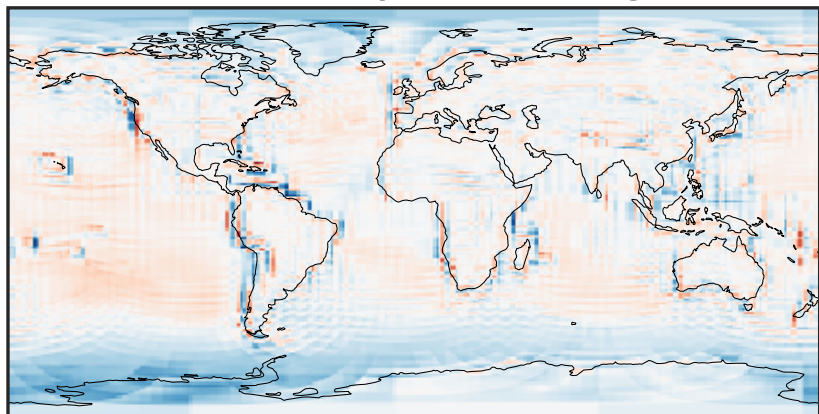
-2.456 -1.228 0.000 1.228 2.456
 $\mu\text{g}/\text{m}^3$

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



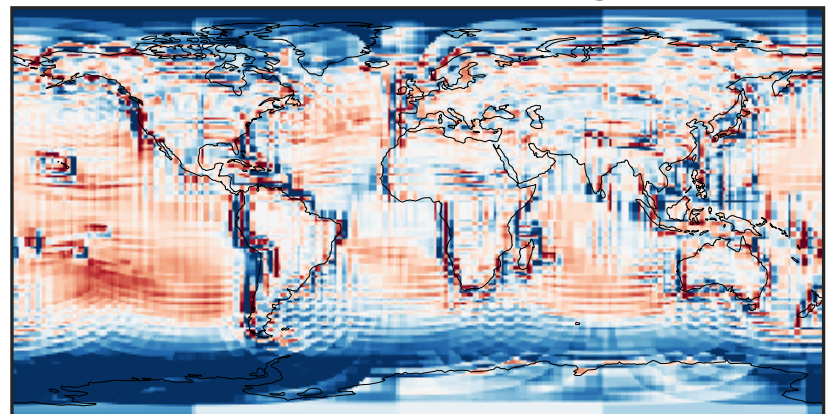
-0.0917 -0.0459 0.0000 0.0459 0.0917
 $\mu\text{g}/\text{m}^3$

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



0.106 0.553 1.000 5.215 9.431
unitless

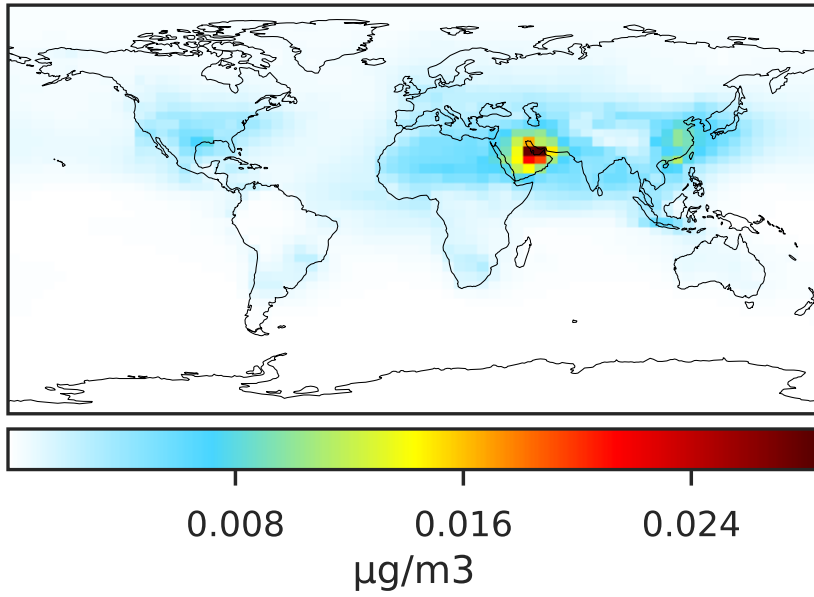
Ratio (1x1.25)
Dev/Ref, Fixed Range



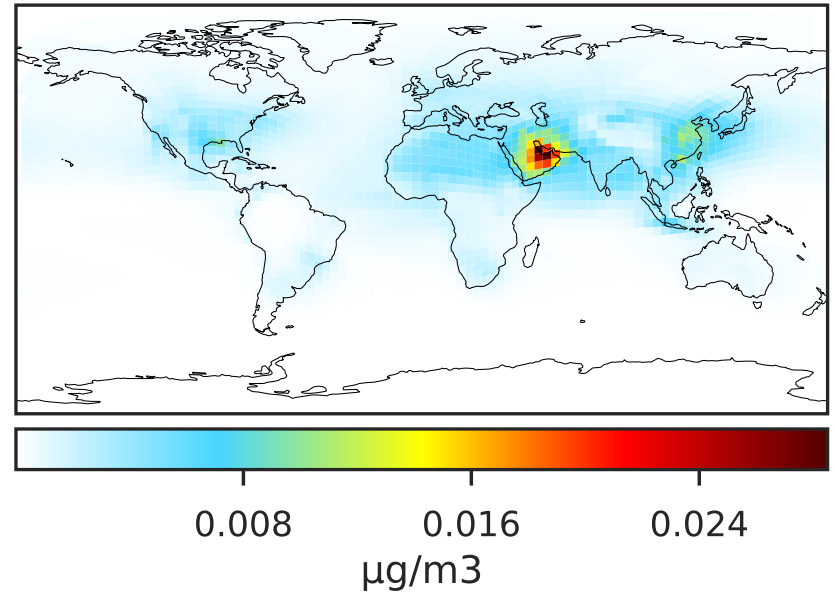
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ASOG1 (AnnualMean)

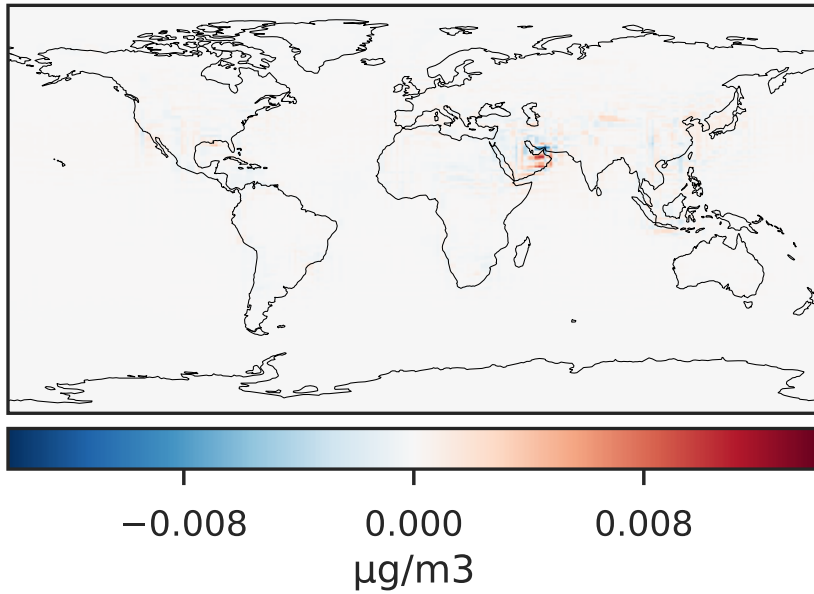
GCC_14.2.0 (Ref)
4.0x5.0



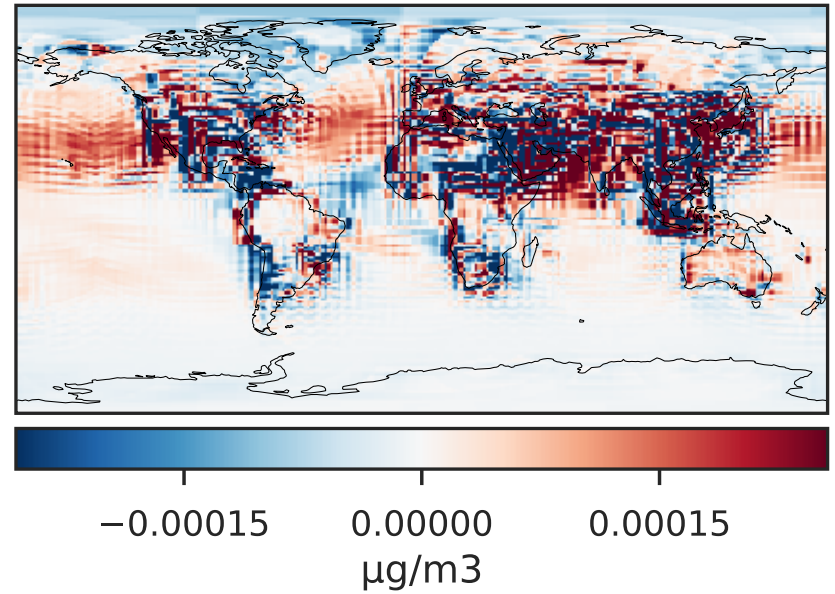
GCHP_14.2.0 (Dev)
c24



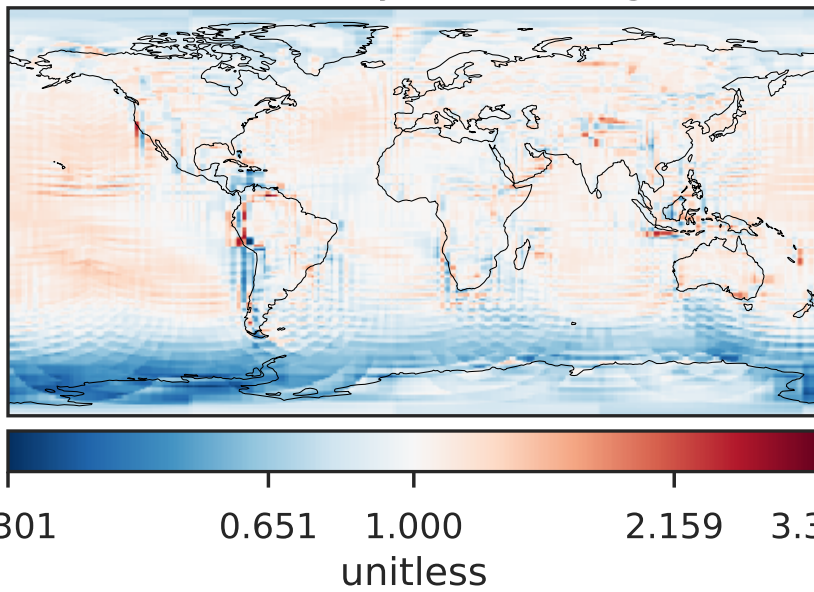
Difference (1x1.25)
Dev - Ref, Dynamic Range



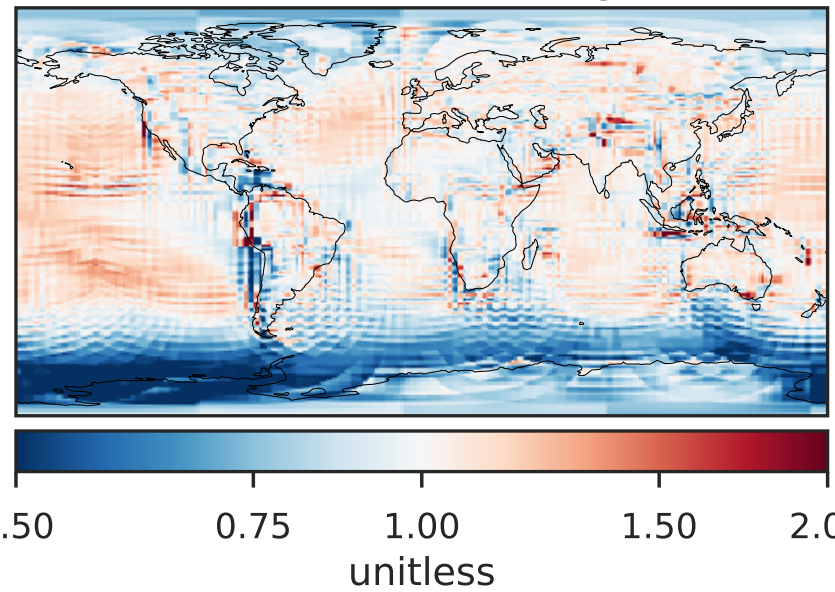
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

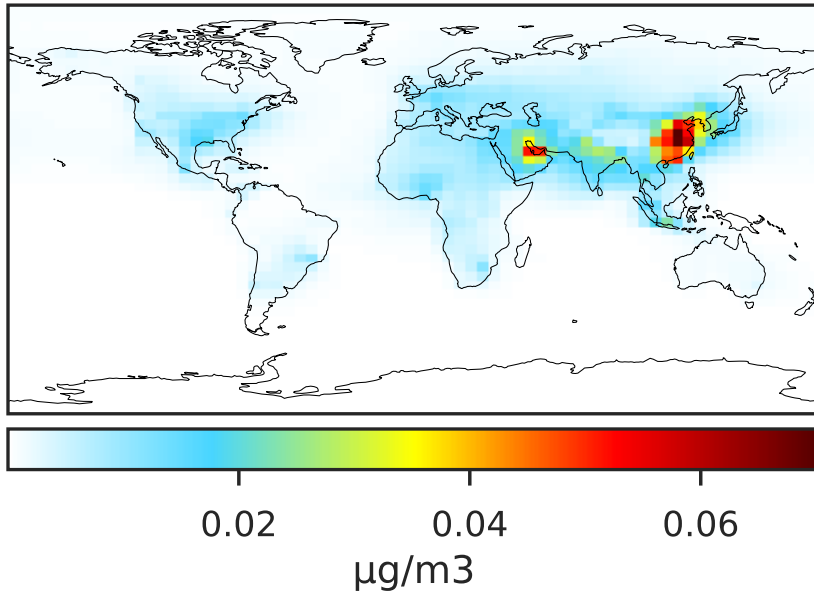


Ratio (1x1.25)
Dev/Ref, Fixed Range

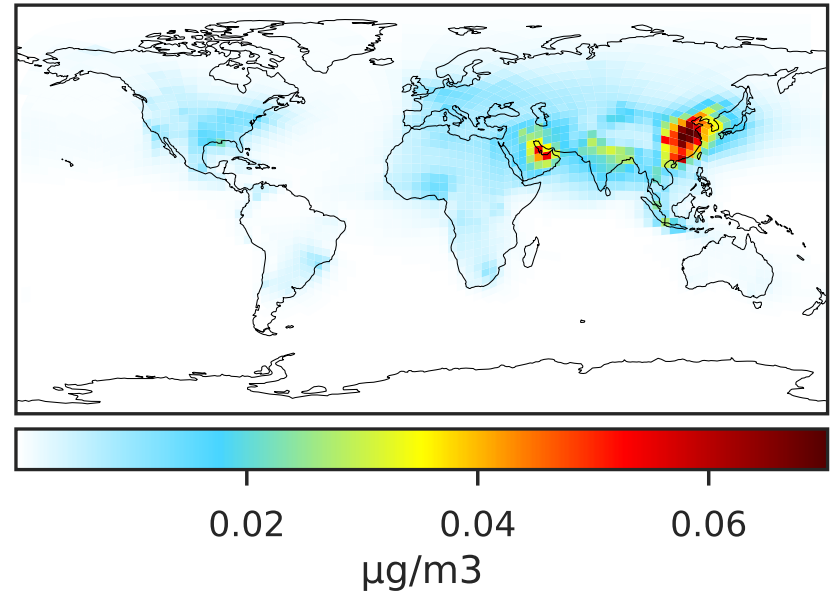


SpeciesConcVV_ASOG2 (AnnualMean)

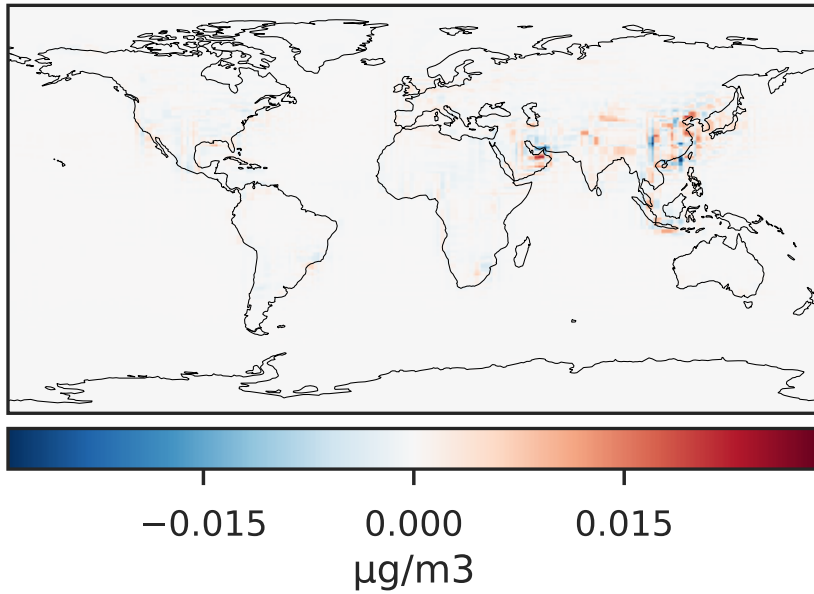
GCC_14.2.0 (Ref)
4.0x5.0



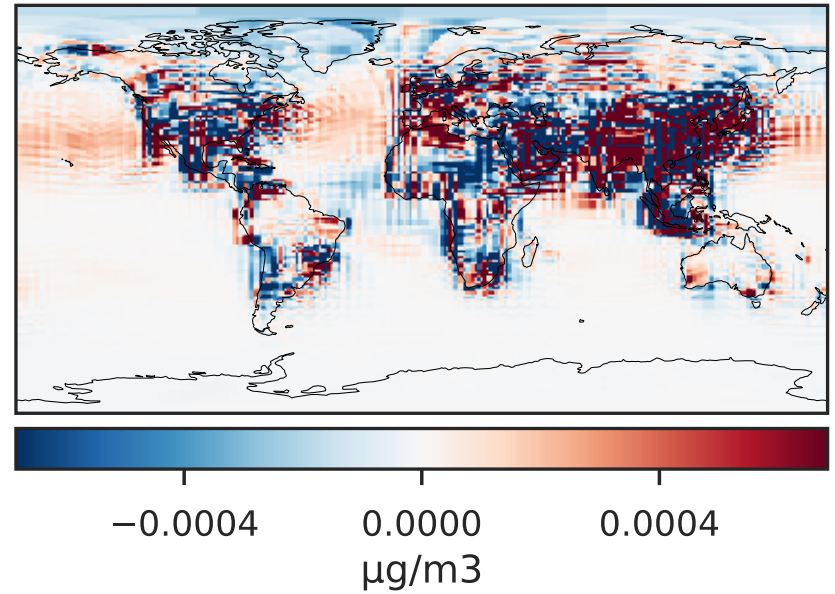
GCHP_14.2.0 (Dev)
c24



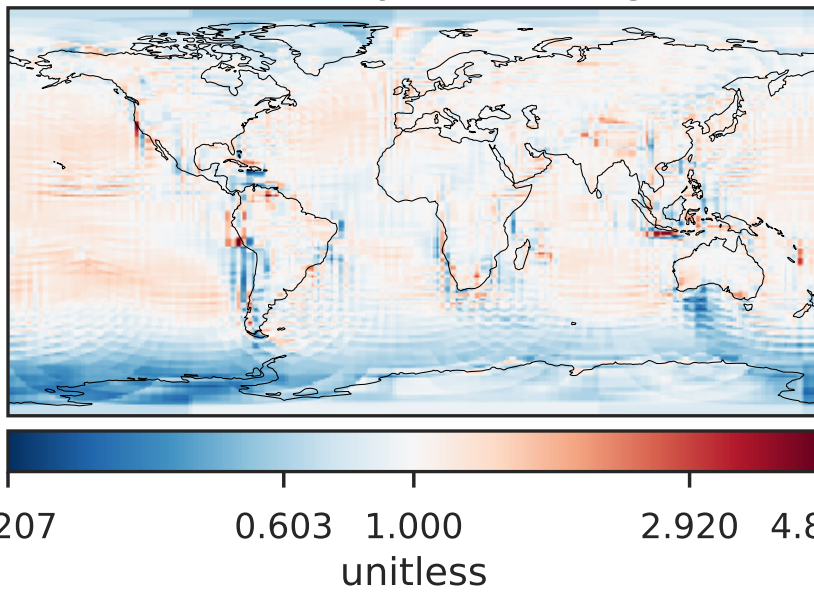
Difference (1x1.25)
Dev - Ref, Dynamic Range



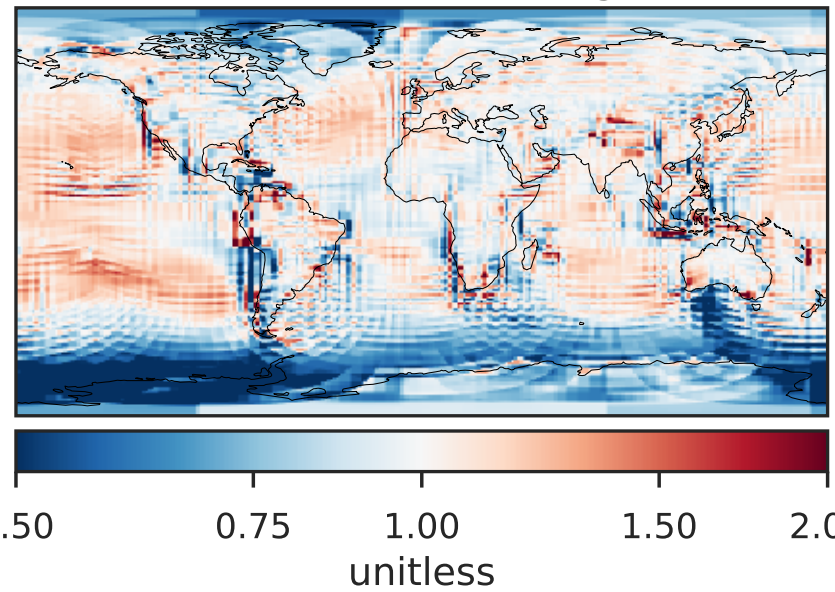
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

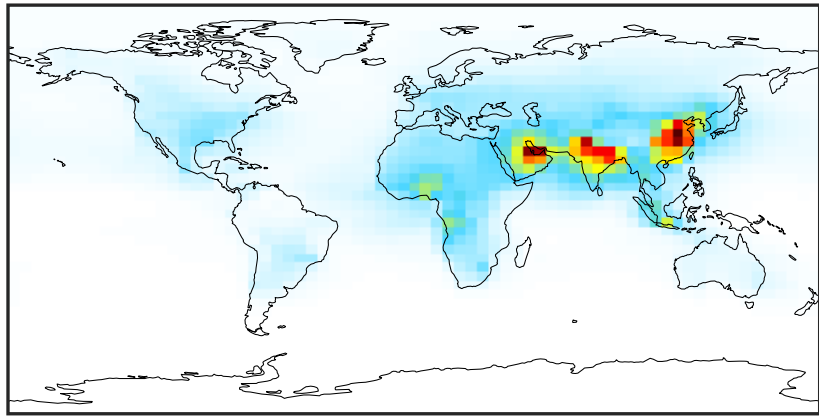


Ratio (1x1.25)
Dev/Ref, Fixed Range



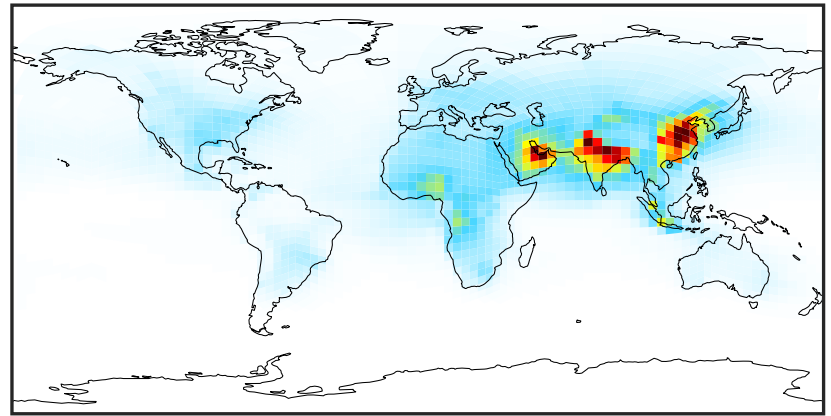
SpeciesConcVV_ASOG3 (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



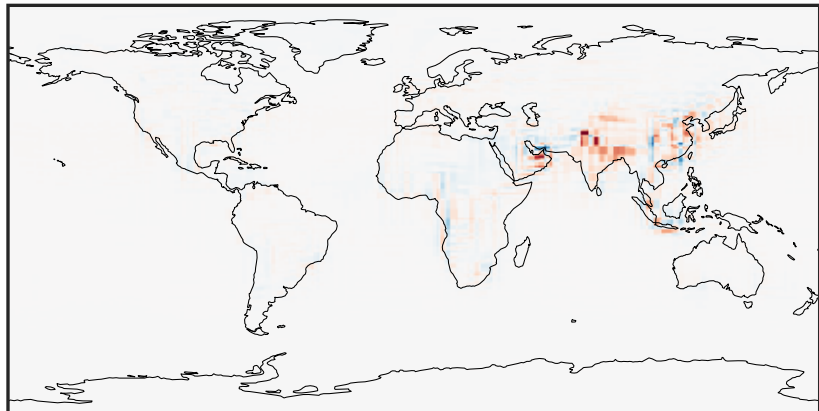
0.0002 0.0854 0.1707 0.2561 0.3416
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



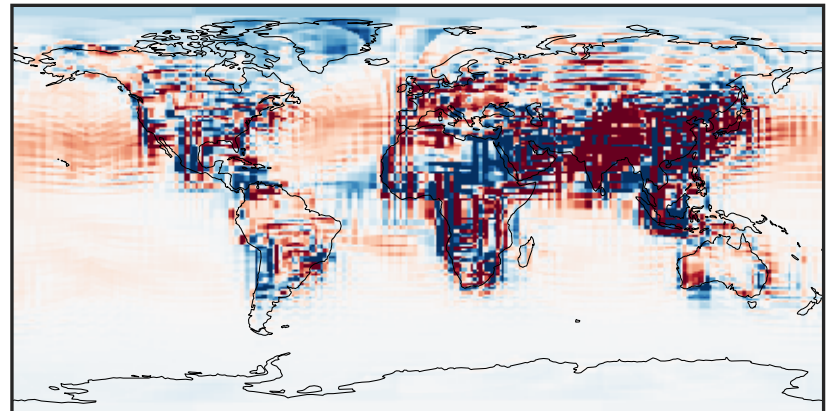
0.0002 0.0854 0.1707 0.2561 0.3416
 $\mu\text{g}/\text{m}^3$

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



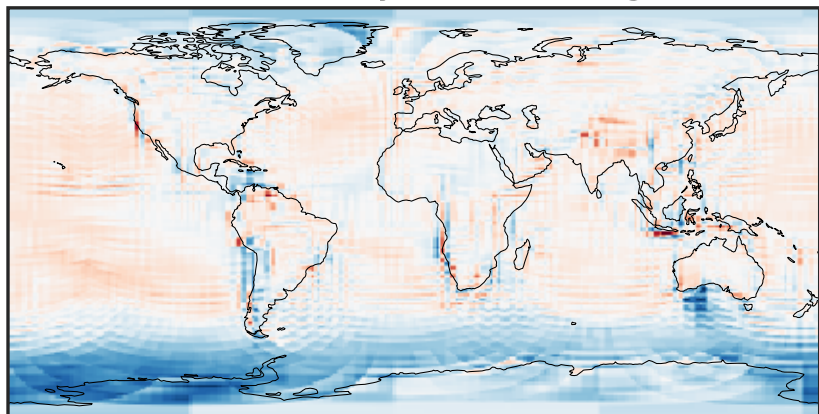
-0.1557 -0.0779 0.0000 0.0779 0.1557
 $\mu\text{g}/\text{m}^3$

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



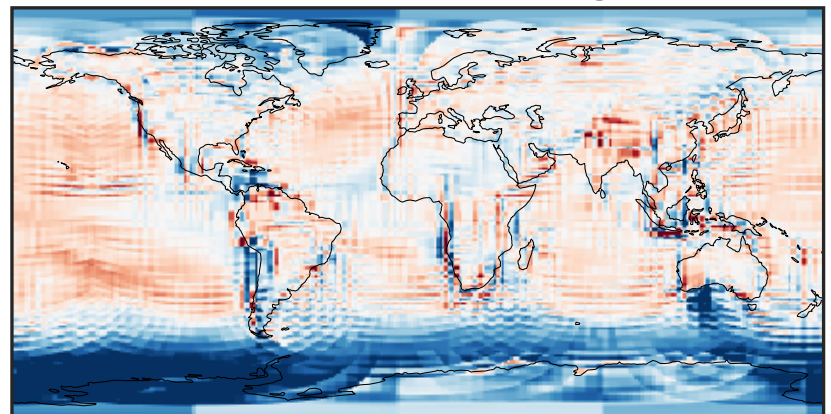
-0.0025 0.0000 0.0025
 $\mu\text{g}/\text{m}^3$

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



0.253 0.626 1.000 2.477 3.953
unitless

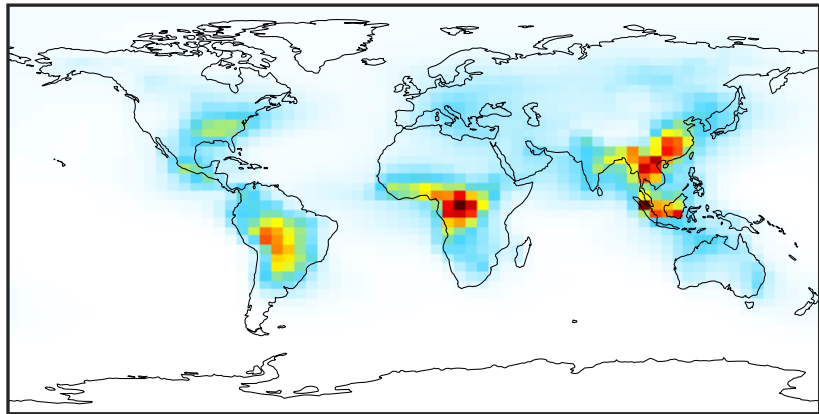
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

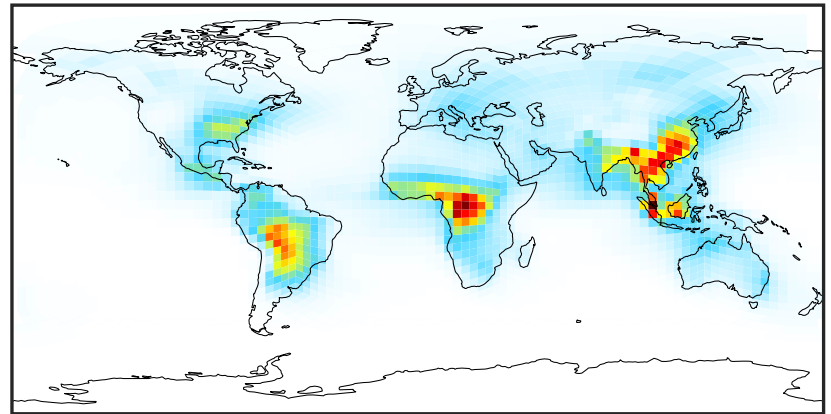
SpeciesConcVV_INDIOL (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



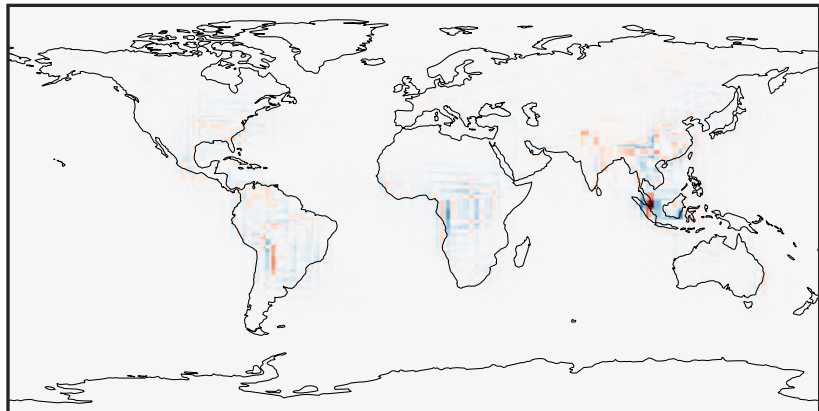
0.004 1.462 2.924 4.386 5.853
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



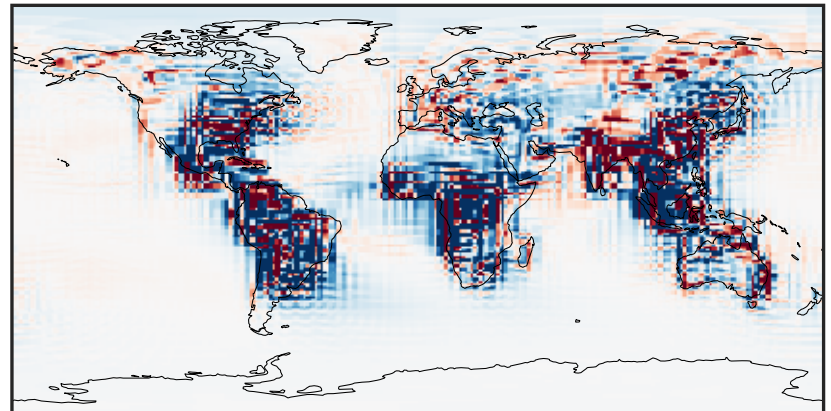
0.004 1.462 2.924 4.386 5.853
 $\mu\text{g}/\text{m}^3$

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



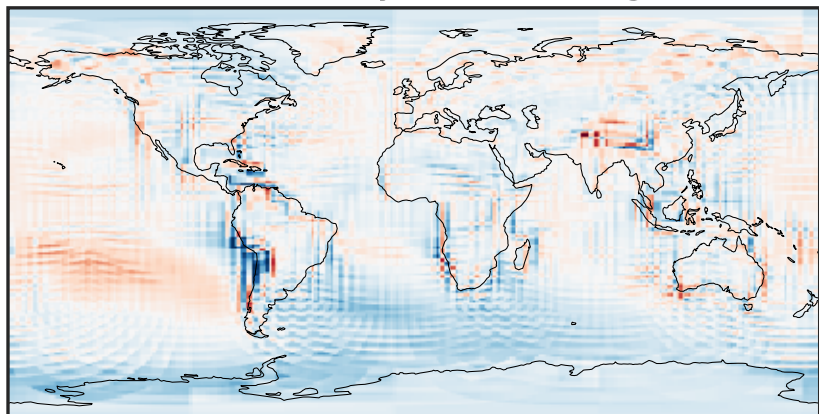
-3.308 -1.654 0.000 1.654 3.308
 $\mu\text{g}/\text{m}^3$

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



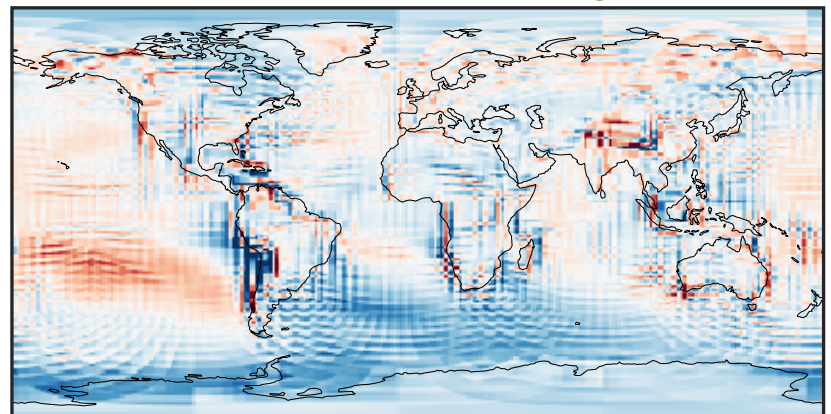
-0.124 -0.062 0.000 0.062 0.124
 $\mu\text{g}/\text{m}^3$

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



0.324 0.662 1.000 2.041 3.082
unitless

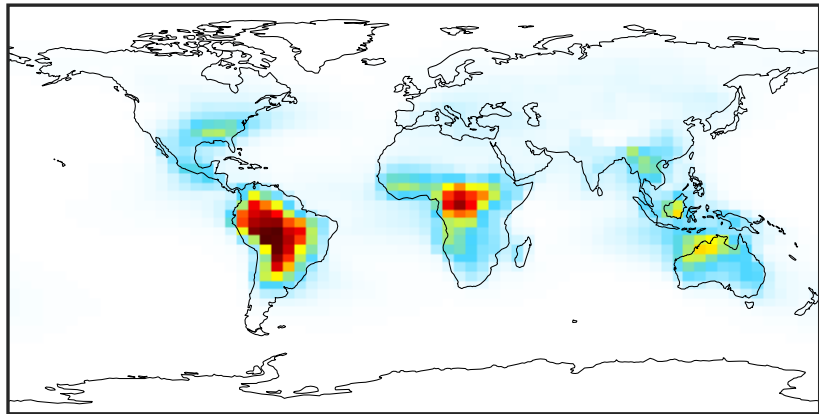
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

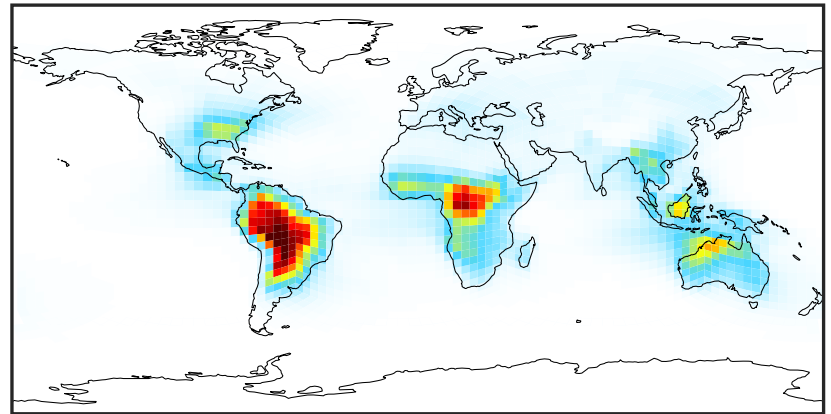
SpeciesConcVV_LVOCOA (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



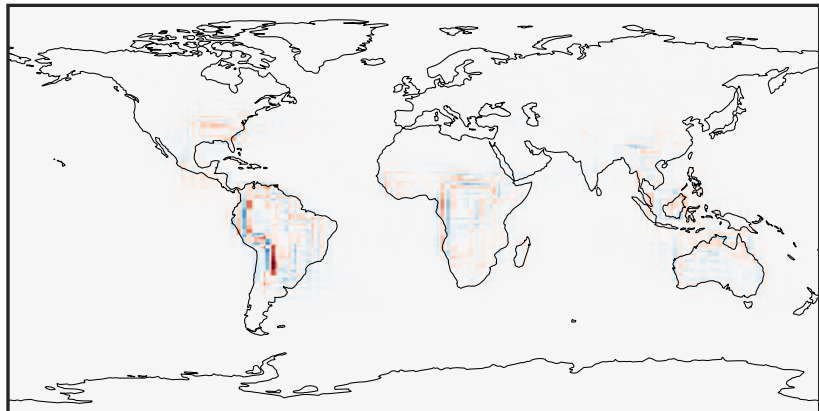
0.0001 0.0427 0.0853 0.1280 0.1708
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



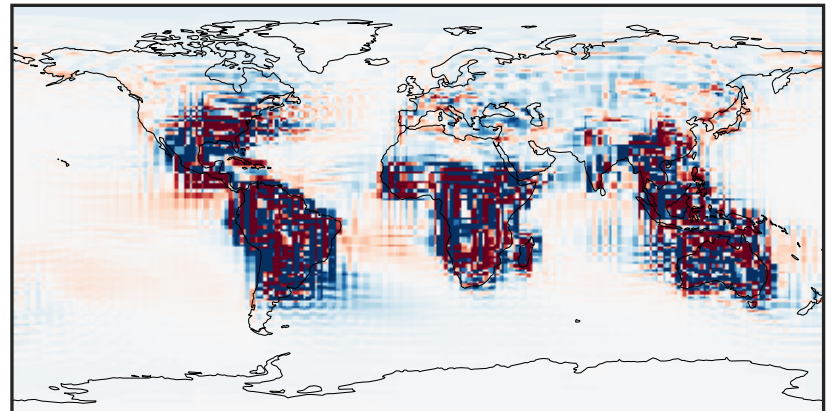
0.0001 0.0427 0.0853 0.1280 0.1708
 $\mu\text{g}/\text{m}^3$

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



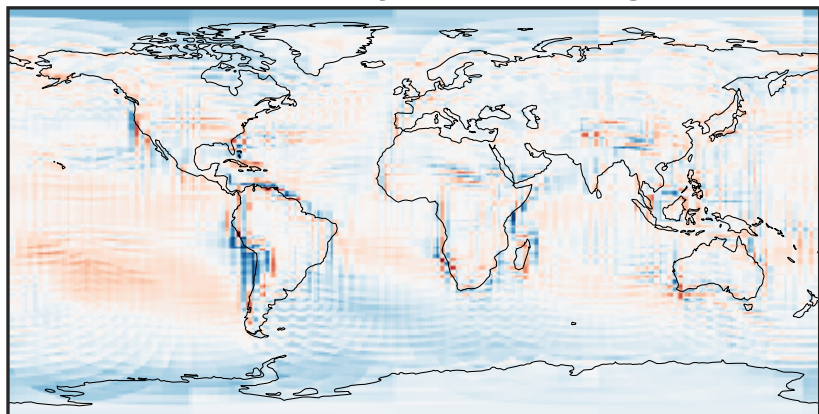
-0.0827 -0.0413 0.0000 0.0413 0.0827
 $\mu\text{g}/\text{m}^3$

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



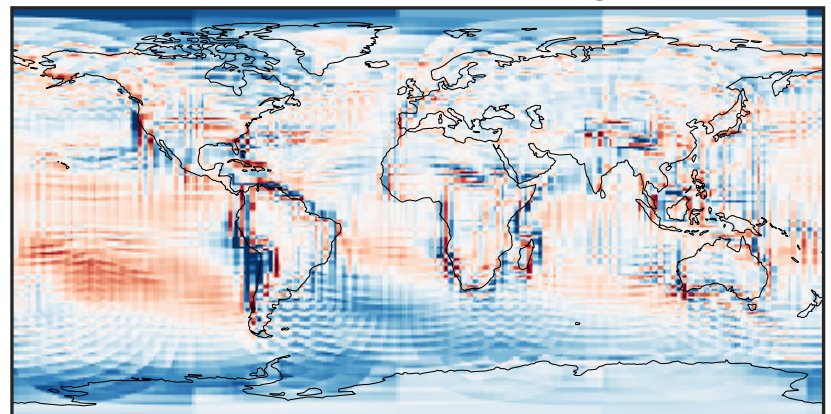
-0.0015 0.0000 0.0015
 $\mu\text{g}/\text{m}^3$

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



0.248 0.624 1.000 2.517 4.033
unitless

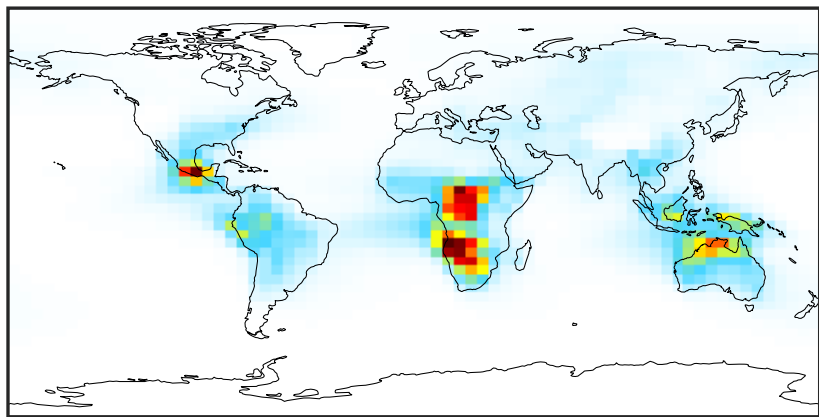
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

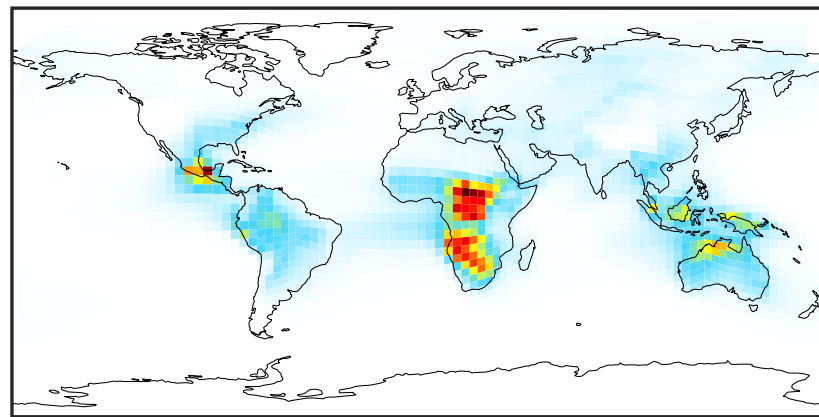
SpeciesConcVV_SOAIE (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



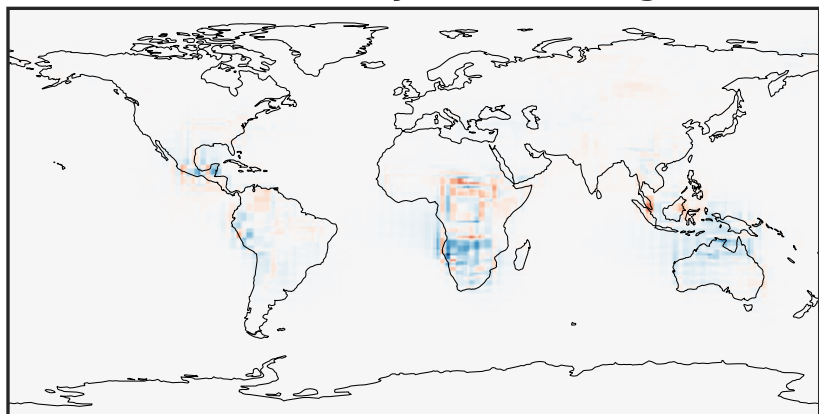
0.002 0.622 1.244 1.866 2.489
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



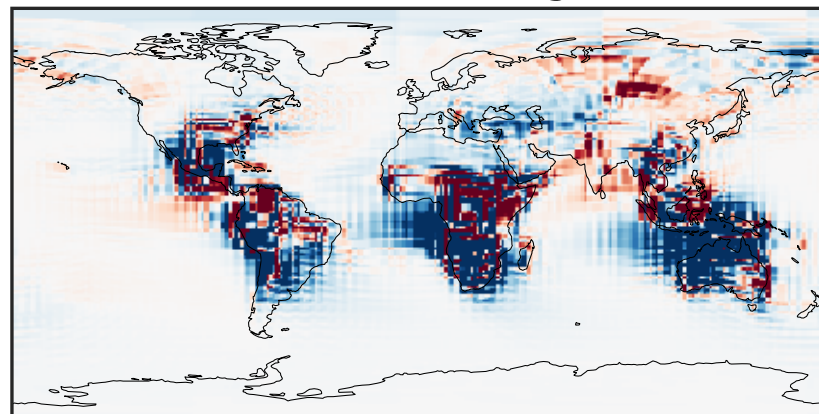
0.002 0.622 1.244 1.866 2.489
 $\mu\text{g}/\text{m}^3$

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



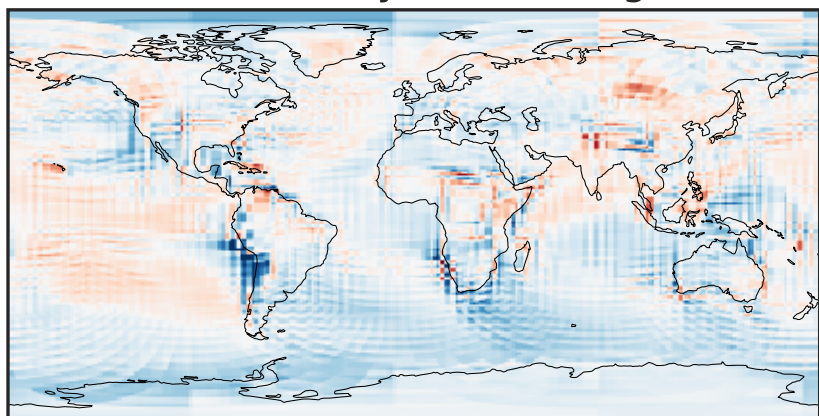
-1.388 -0.694 0.000 0.694 1.388
 $\mu\text{g}/\text{m}^3$

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



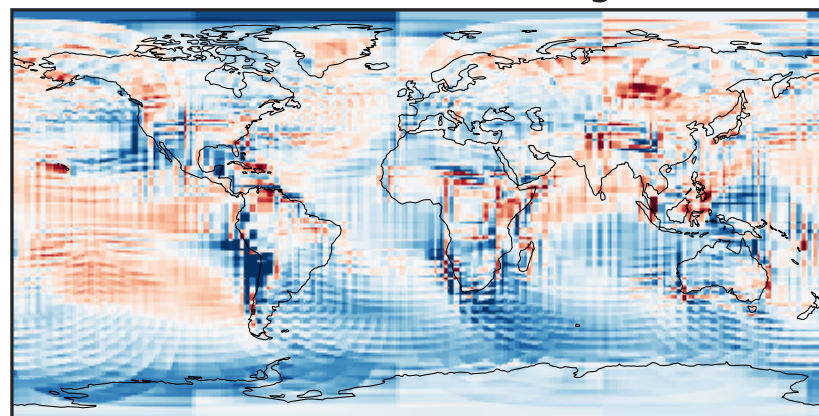
-0.0573 -0.0286 0.0000 0.0286 0.0573
 $\mu\text{g}/\text{m}^3$

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



0.273 0.636 1.000 2.332 3.664
unitless

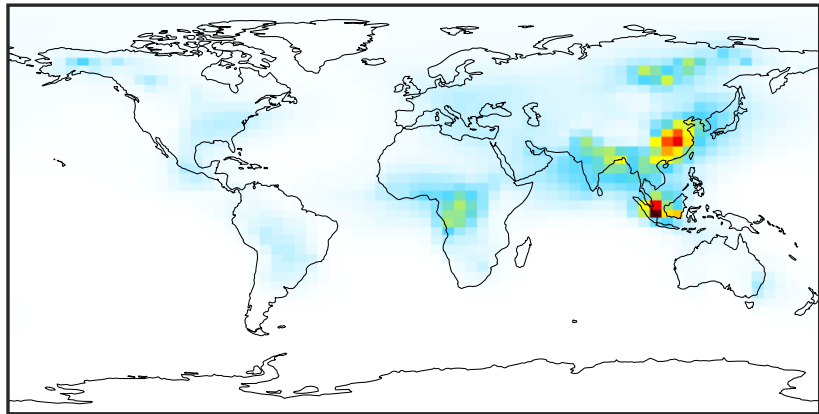
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

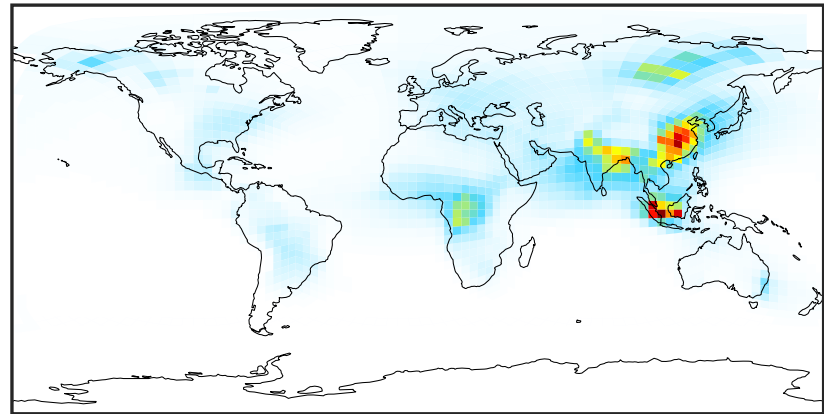
SpeciesConcVV_SOAGX (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



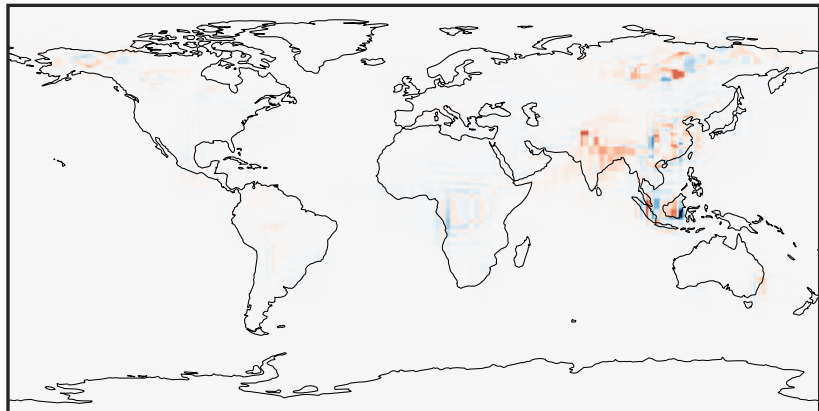
0.000 0.279 0.559 0.838 1.117
µg/m3

GCHP_14.2.0 (Dev)
c24



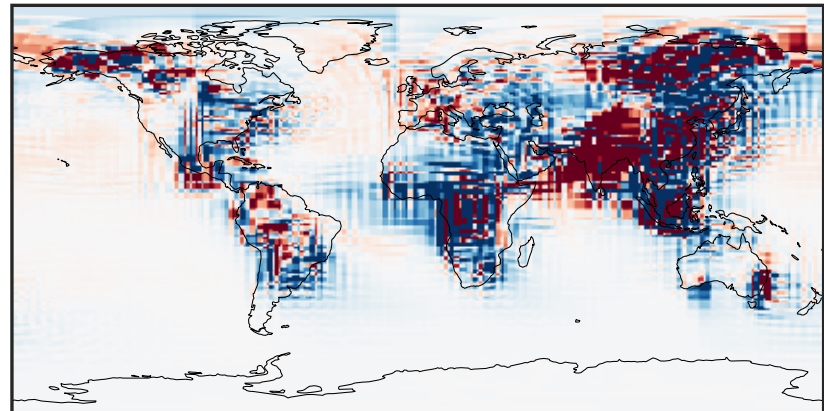
0.000 0.279 0.559 0.838 1.117
µg/m3

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



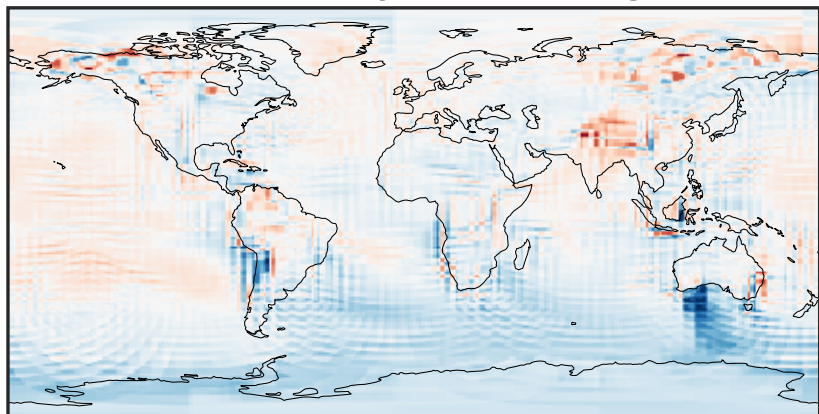
-0.523 -0.262 0.000 0.262 0.523
µg/m3

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



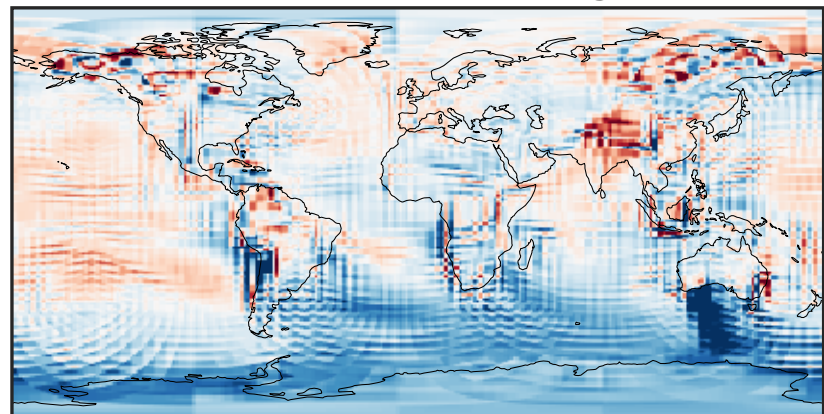
-0.006 0.000 0.006
µg/m3

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



0.227 0.613 1.000 2.705 4.409
unitless

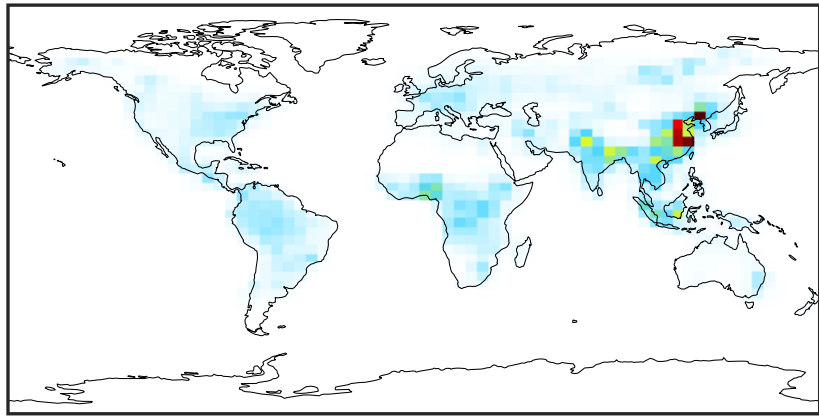
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

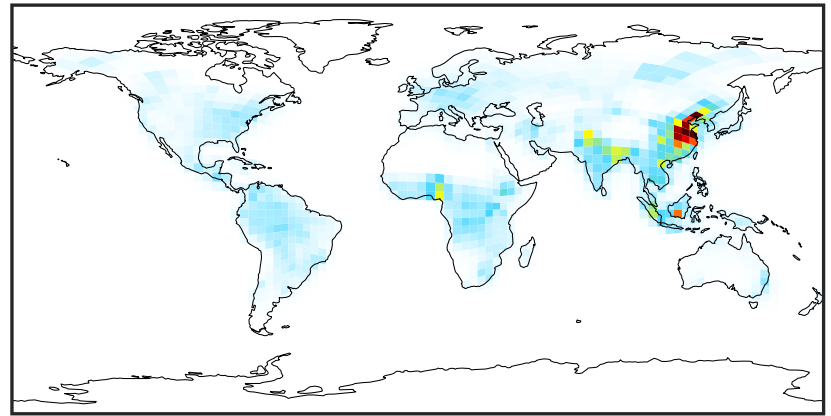
SpeciesConcVV_SOAP (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



0.00 3.33 6.66 9.99 13.32
µg/m3

GCHP_14.2.0 (Dev)
c24



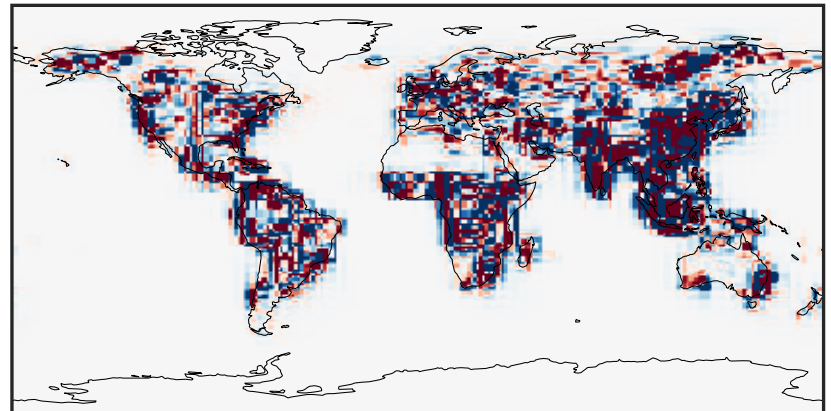
0.00 3.33 6.66 9.99 13.32
µg/m3

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



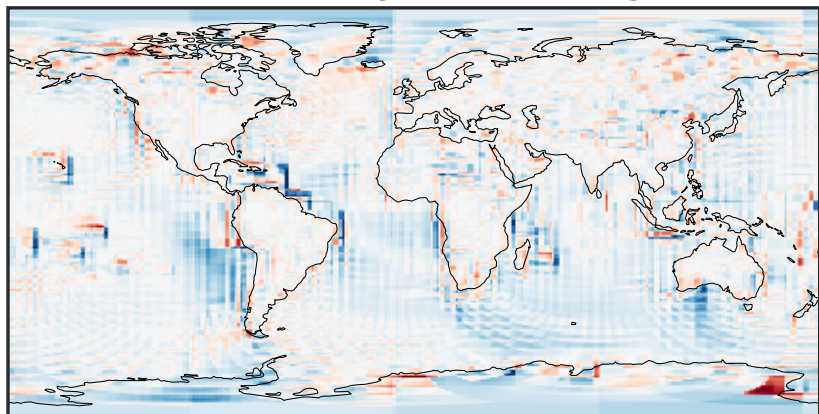
-16.2 -8.1 0.0 8.1 16.2
µg/m3

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



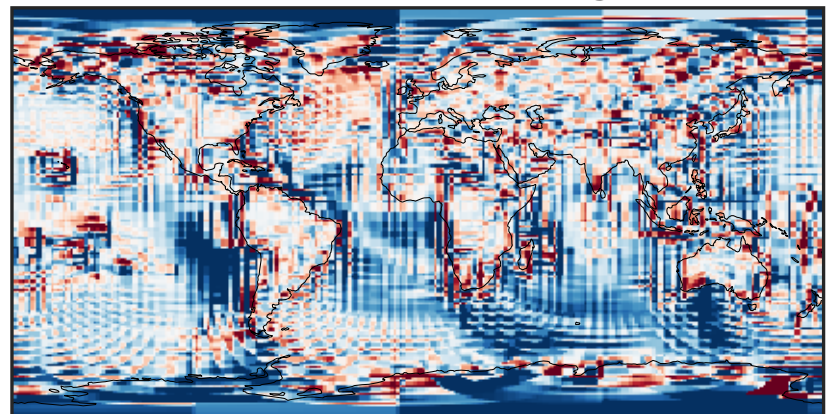
-0.1256 -0.0628 0.0000 0.0628 0.1256
µg/m3

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



1e-01 1 10
unitless

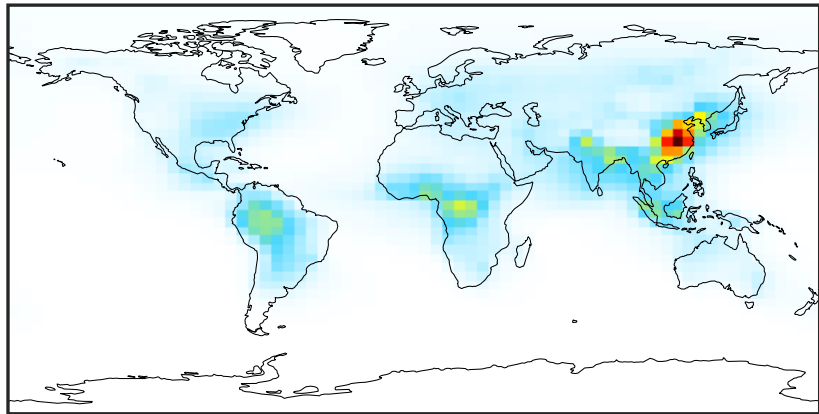
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

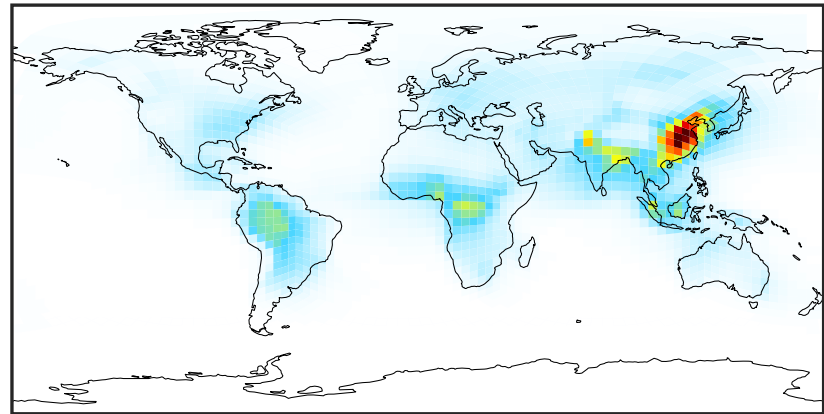
SpeciesConcVV_SOAS (AnnualMean)

GCC_14.2.0 (Ref)
4.0x5.0



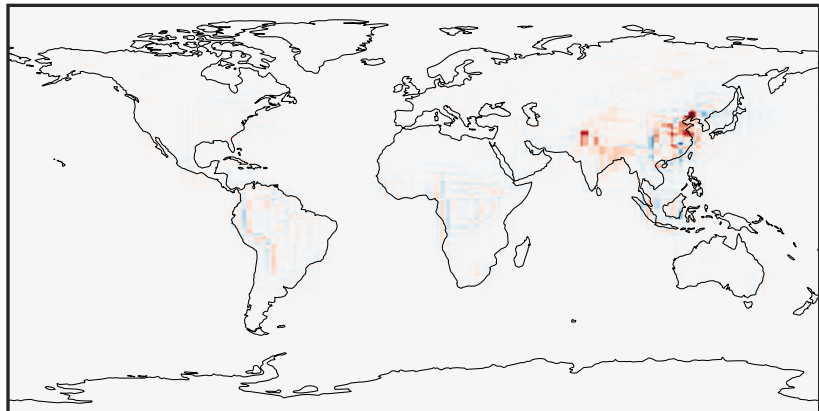
0.01 4.11 8.22 12.32 16.44
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



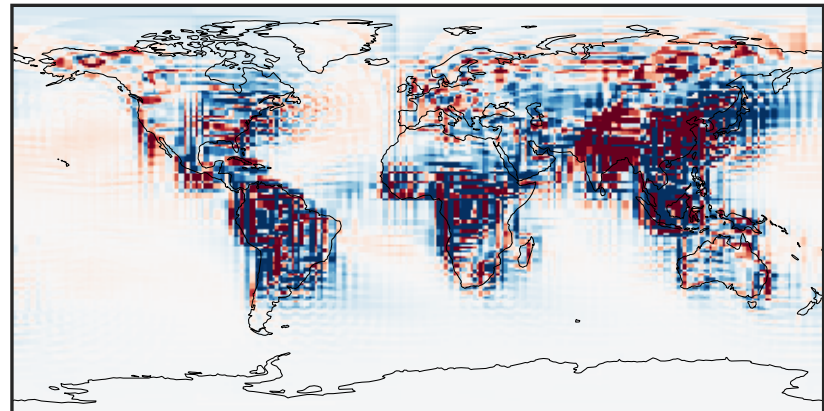
0.01 4.11 8.22 12.32 16.44
 $\mu\text{g}/\text{m}^3$

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



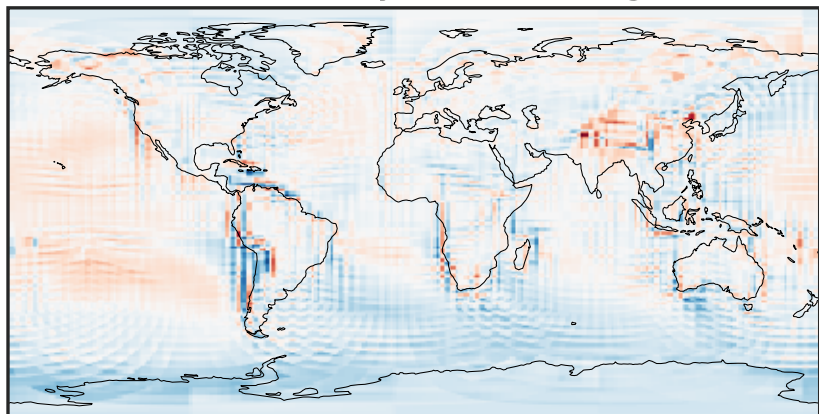
-6.70 -3.35 0.00 3.35 6.70
 $\mu\text{g}/\text{m}^3$

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



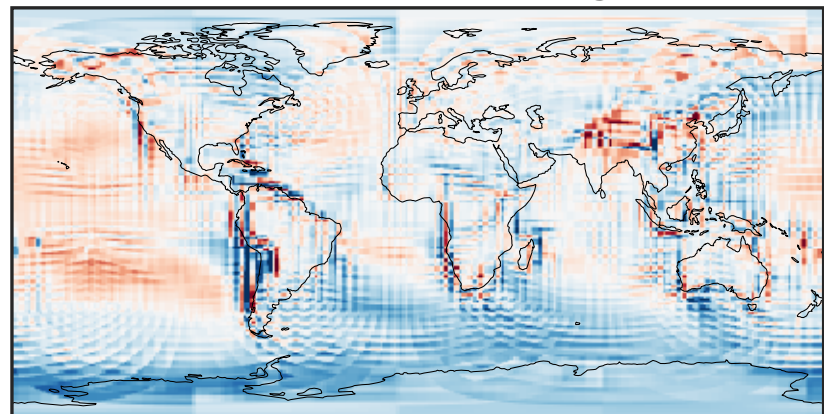
-0.176 -0.088 0.000 0.088 0.176
 $\mu\text{g}/\text{m}^3$

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



0.285 0.643 1.000 2.252 3.504
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless