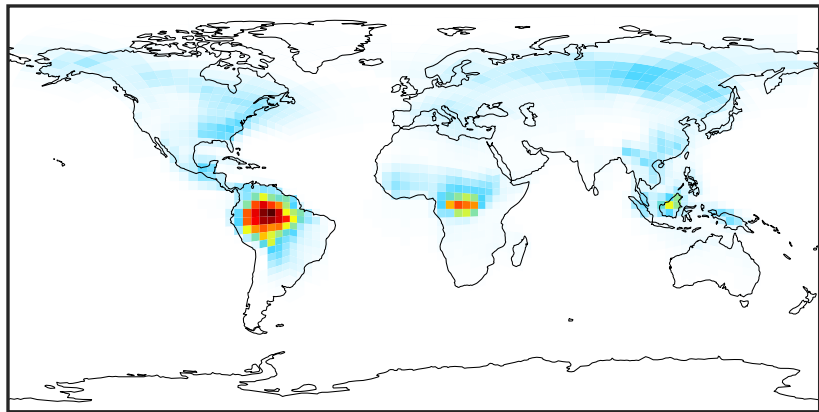


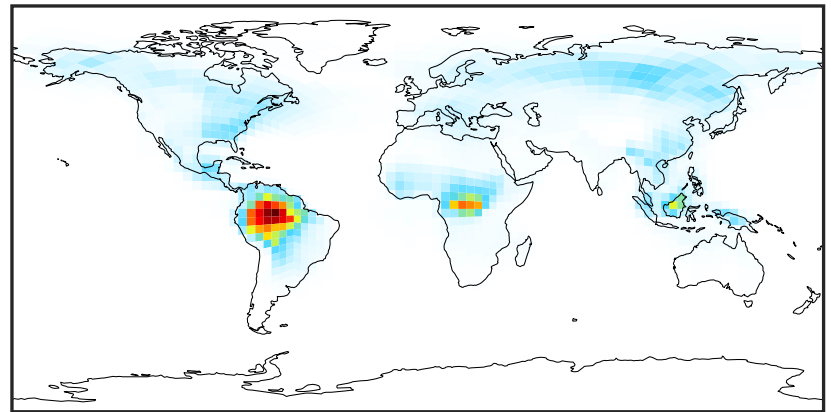
SpeciesConcVV_TSOA0 (Jul2019)

14.2.0-rc.2 (Ref)
c24



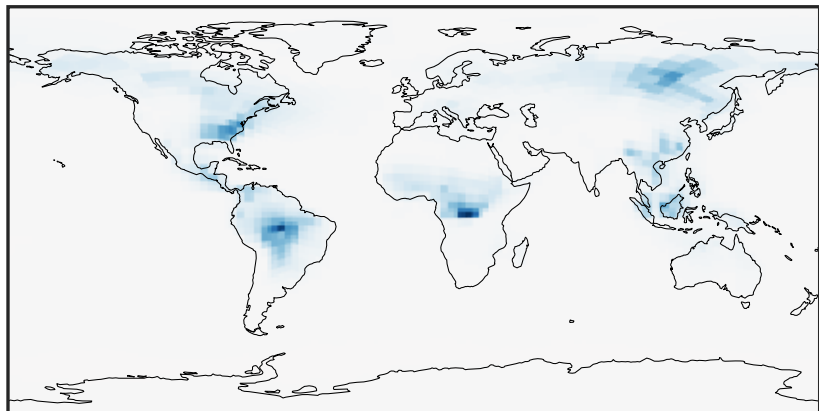
0.000 0.585 1.169 1.754 2.338
µg/m3

14.3.0-rc.0 (Dev)
c24



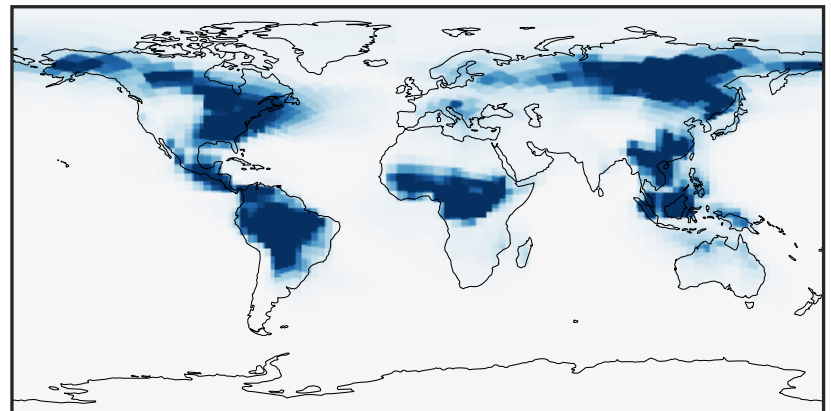
0.000 0.585 1.169 1.754 2.338
µg/m3

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



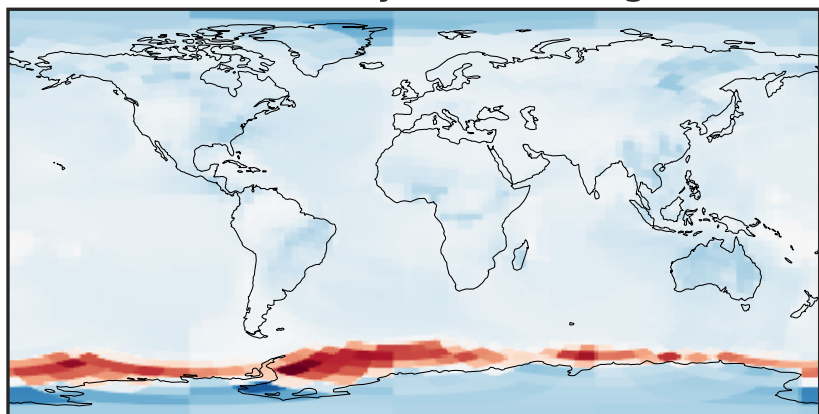
-0.1569 -0.0784 0.0000 0.0784 0.1569
µg/m3

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



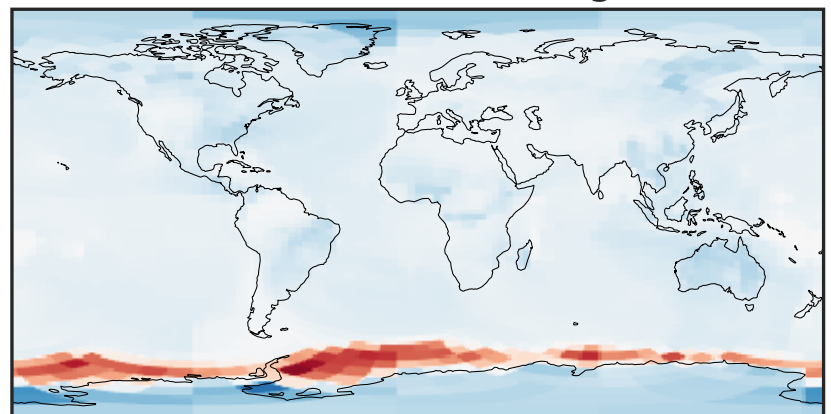
-0.015 0.000 0.015
µg/m3

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



0.538 0.769 1.000 1.430 1.860
unitless

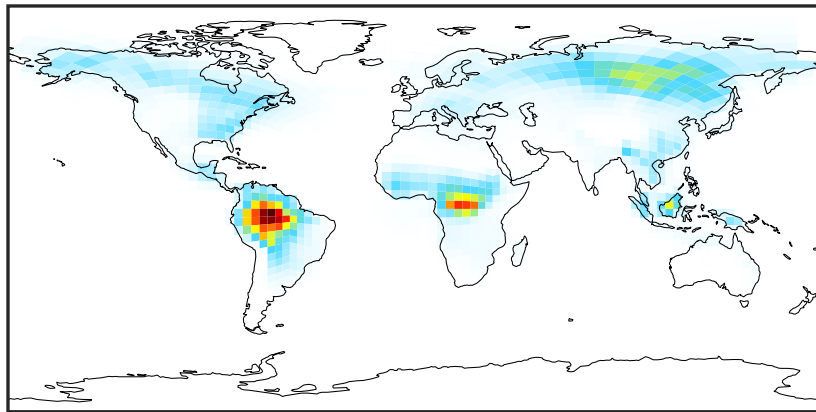
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

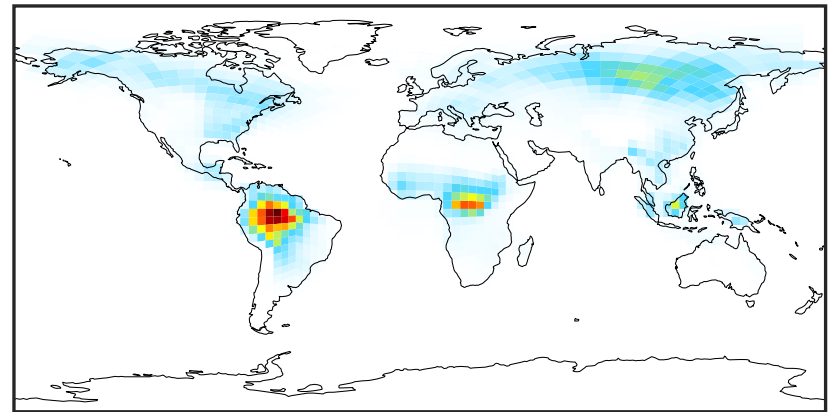
SpeciesConcVV_TSOA1 (Jul2019)

14.2.0-rc.2 (Ref)
c24



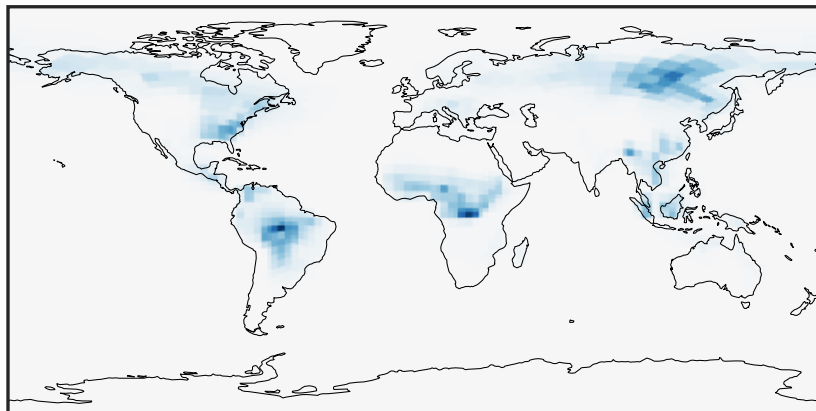
0.0000 0.2463 0.4927 0.7390 0.9853
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



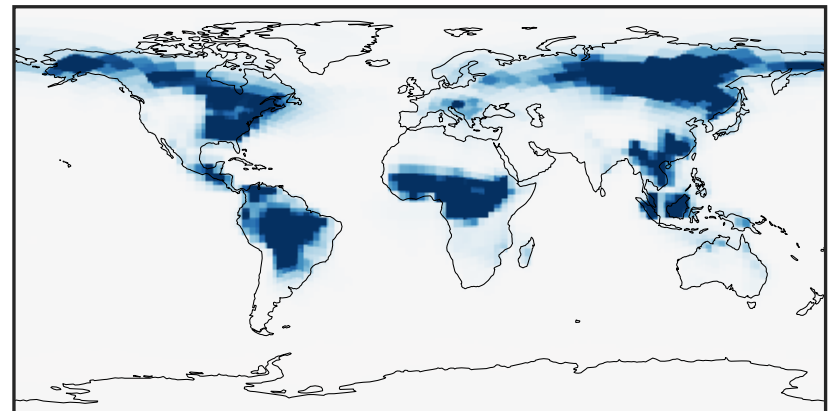
0.0000 0.2463 0.4927 0.7390 0.9853
 $\mu\text{g}/\text{m}^3$

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



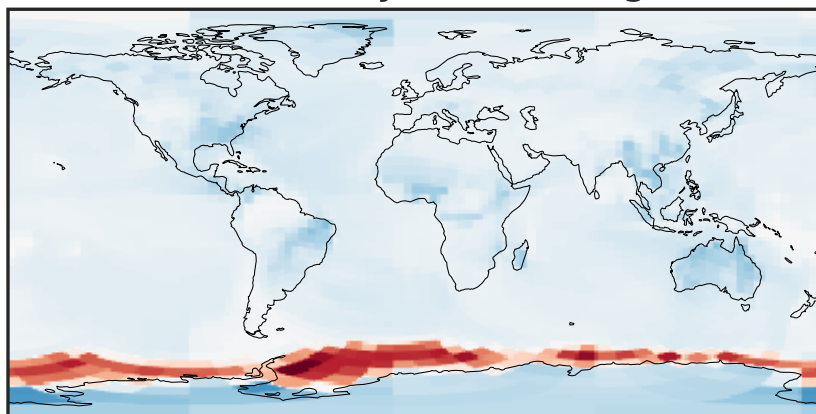
-0.0907 -0.0453 0.0000 0.0453 0.0907
 $\mu\text{g}/\text{m}^3$

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



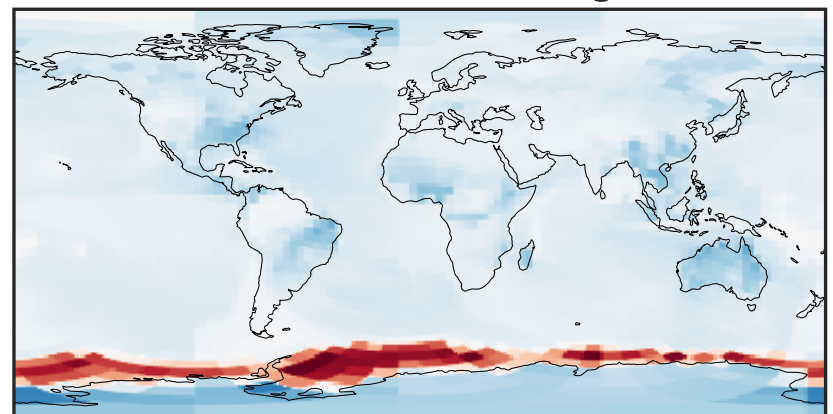
-0.008 0.000 0.008
 $\mu\text{g}/\text{m}^3$

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



0.446 0.723 1.000 1.622 2.243
unitless

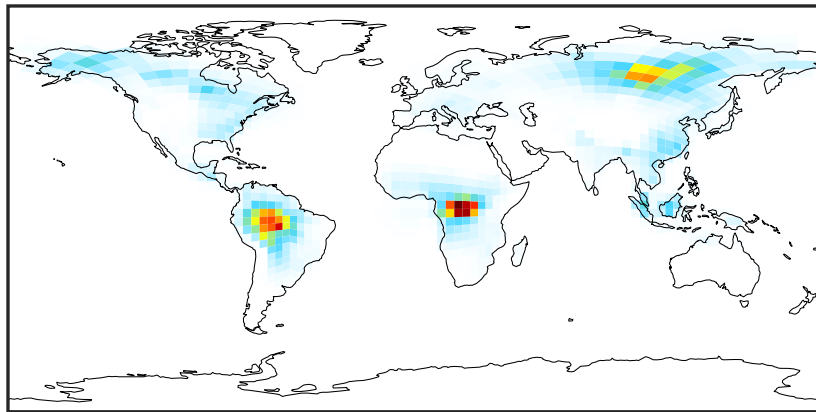
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

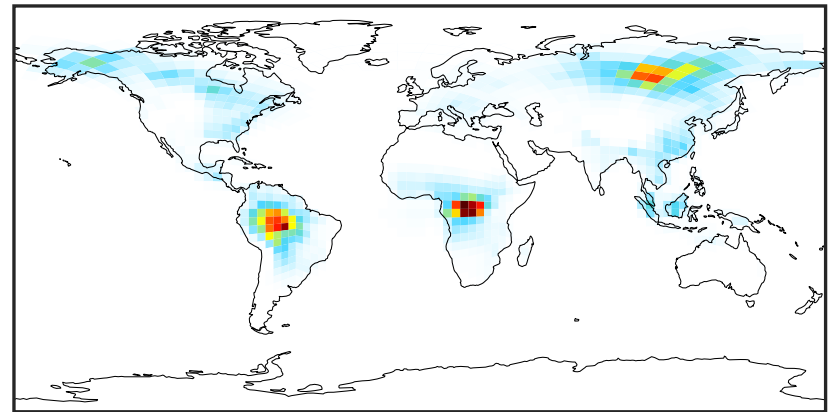
SpeciesConcVV_TSOA2 (Jul2019)

14.2.0-rc.2 (Ref)
c24



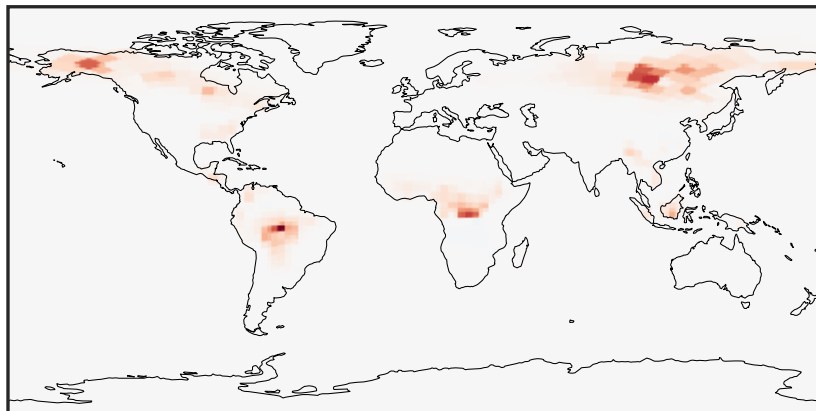
0.000 1.222 2.443 3.665 4.887
µg/m3

14.3.0-rc.0 (Dev)
c24



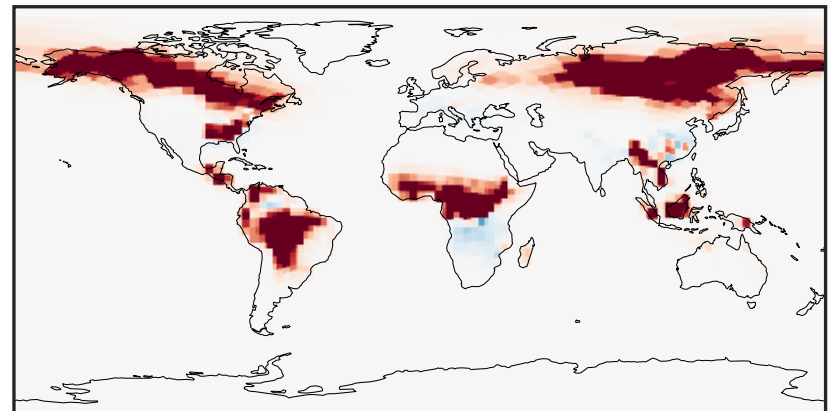
0.000 1.222 2.443 3.665 4.887
µg/m3

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



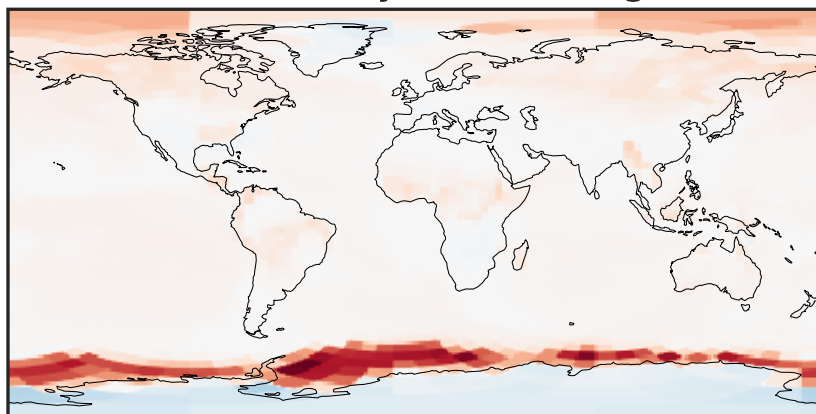
-0.4616 -0.2308 0.0000 0.2308 0.4616
µg/m3

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



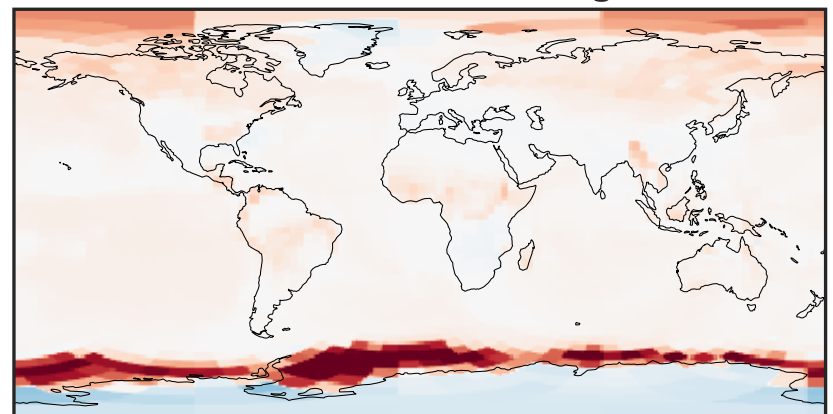
-0.015 0.000 0.015
µg/m3

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



0.402 0.701 1.000 1.744 2.489
unitless

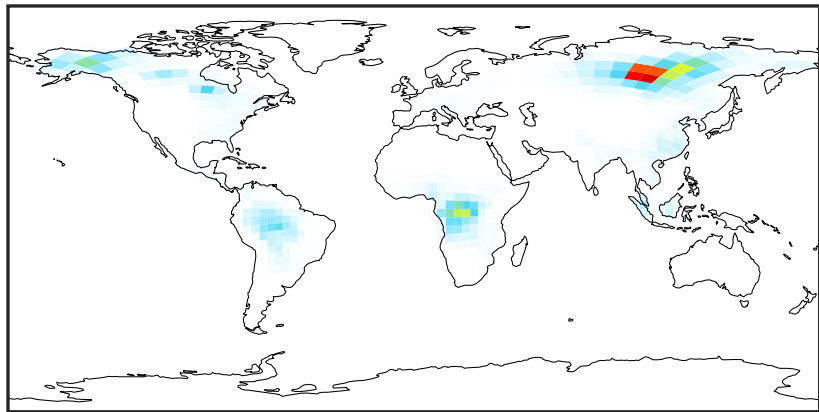
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

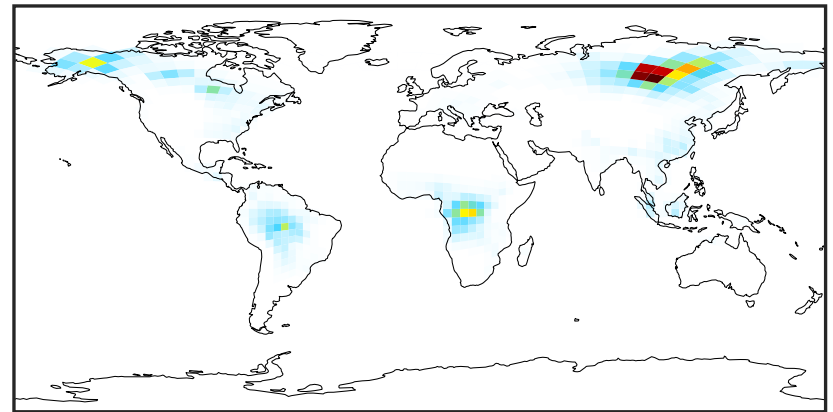
SpeciesConcVV_TSOA3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



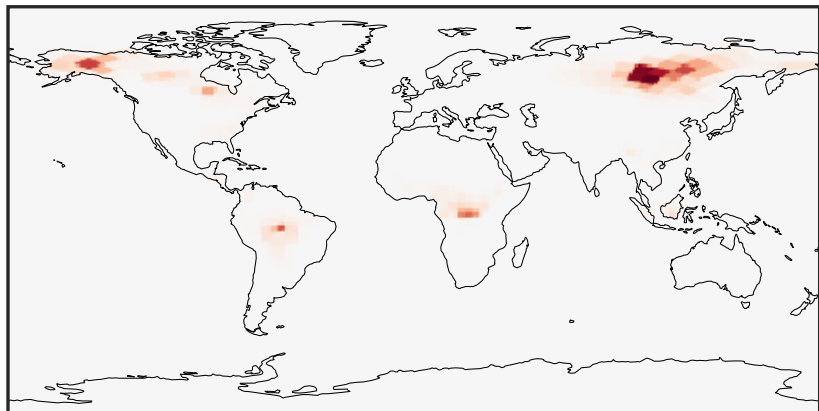
0.000 1.252 2.504 3.757 5.009
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



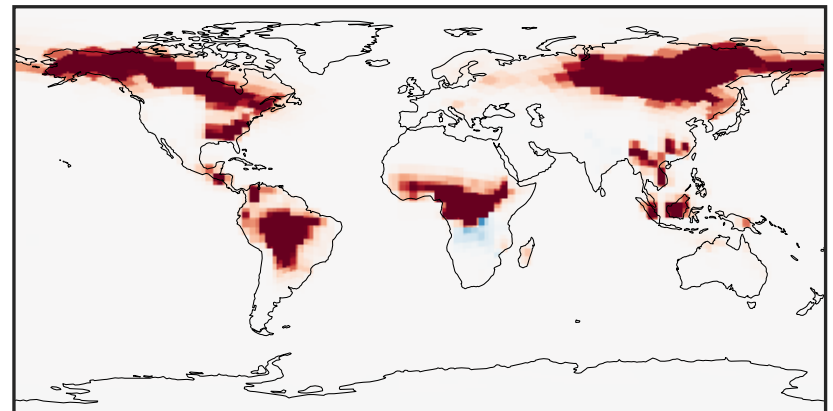
0.000 1.252 2.504 3.757 5.009
 $\mu\text{g}/\text{m}^3$

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



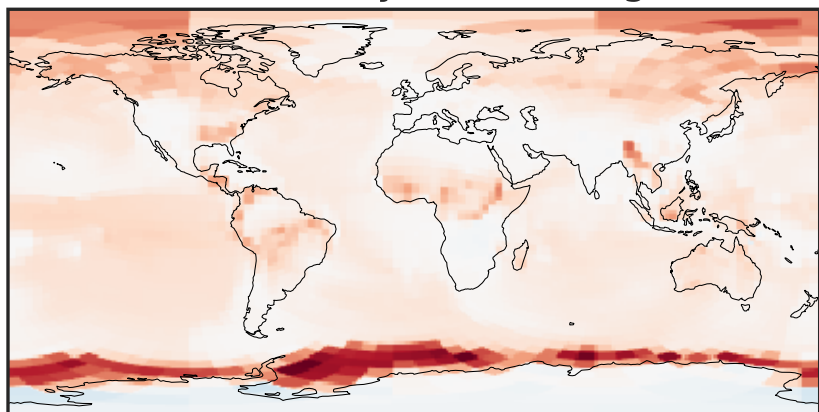
-1.004 -0.502 0.000 0.502 1.004
 $\mu\text{g}/\text{m}^3$

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



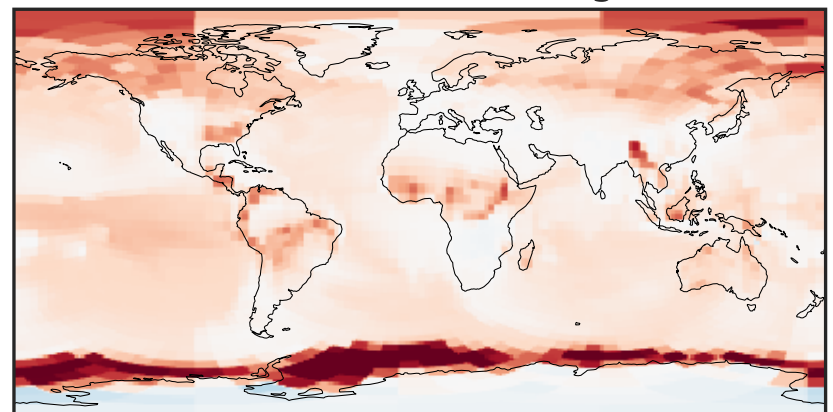
-0.015 0.000 0.015
 $\mu\text{g}/\text{m}^3$

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



0.384 0.692 1.000 1.803 2.605
unitless

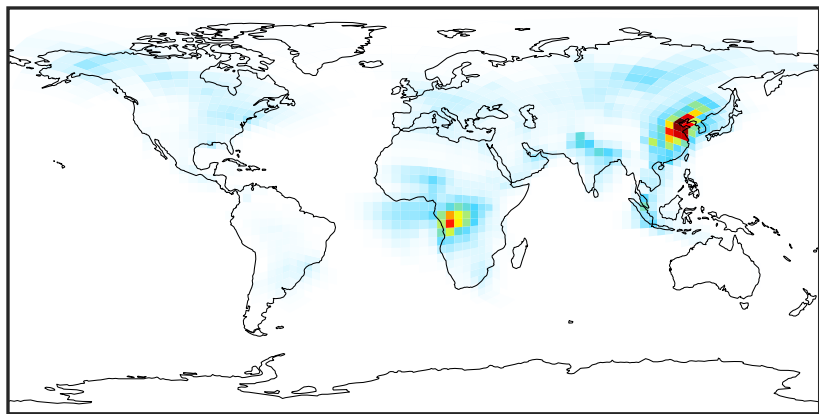
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

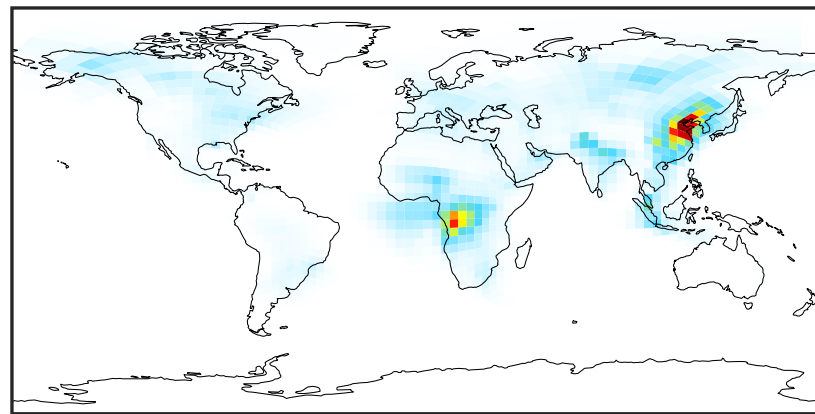
SpeciesConcVV_ASOA1 (Jul2019)

14.2.0-rc.2 (Ref)
c24



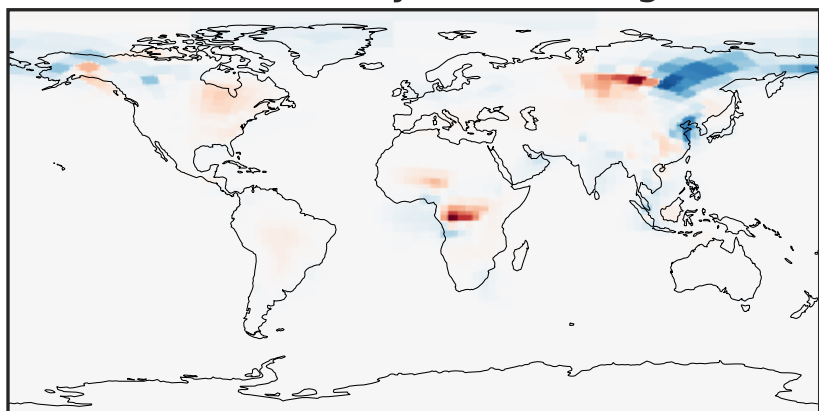
0.0000 0.0366 0.0733 0.1099 0.1466
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



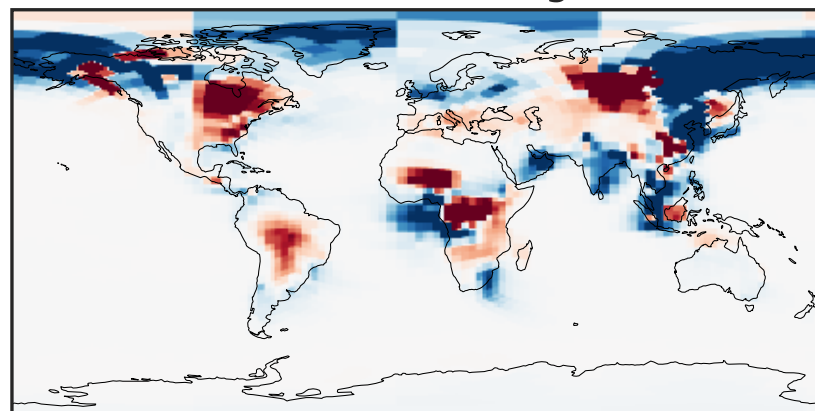
0.0000 0.0366 0.0733 0.1099 0.1466
 $\mu\text{g}/\text{m}^3$

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



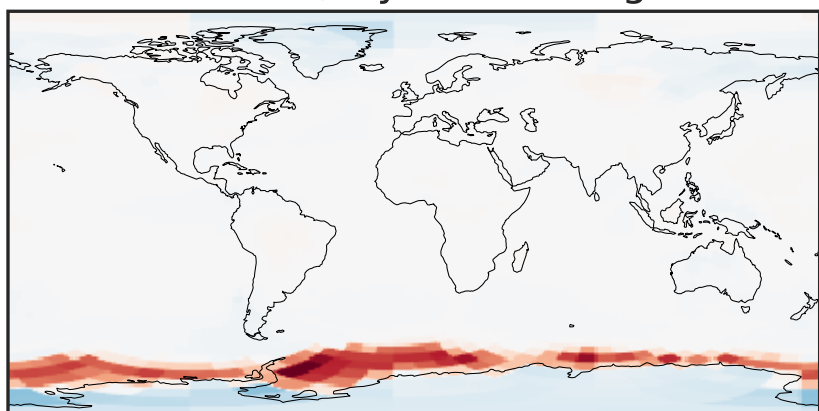
-0.0005 0.0000 0.0005
 $\mu\text{g}/\text{m}^3$

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



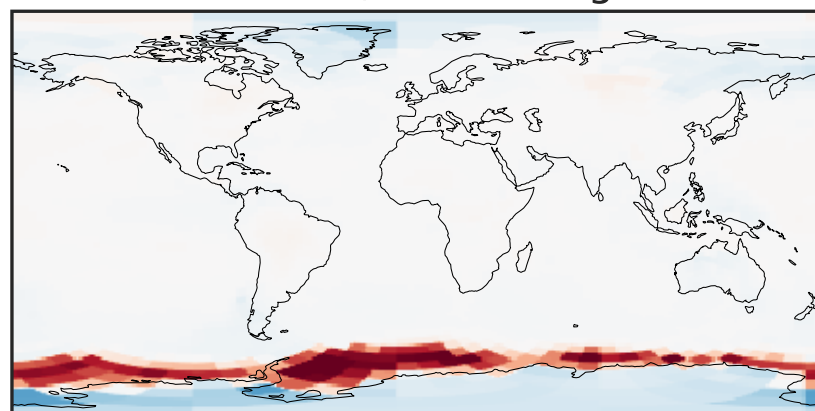
-4 0 4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



0.397 0.698 1.000 1.761 2.521
unitless

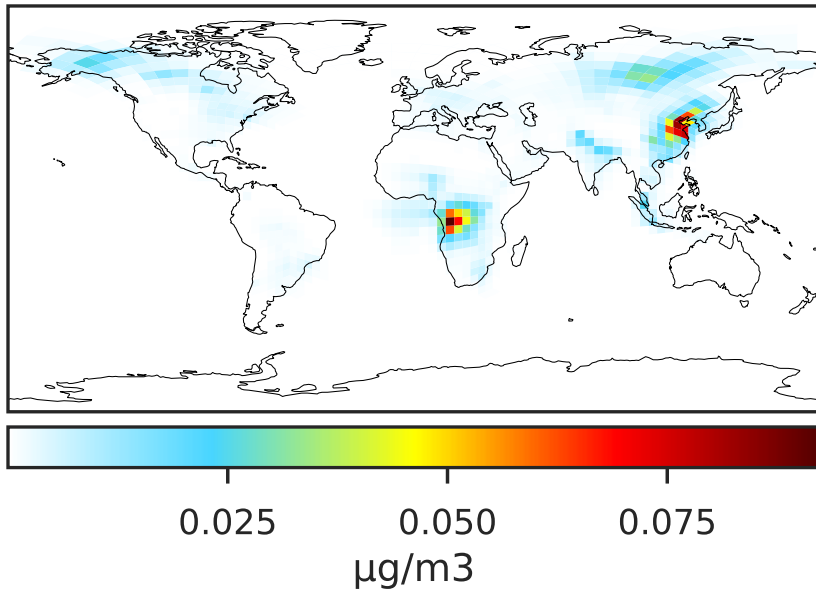
Ratio (1x1.25)
Dev/Ref, Fixed Range



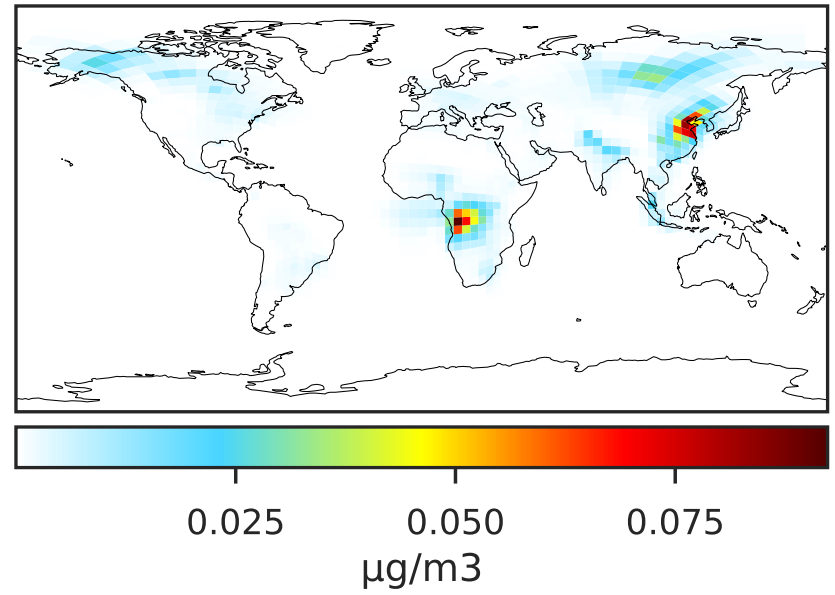
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ASOA2 (Jul2019)

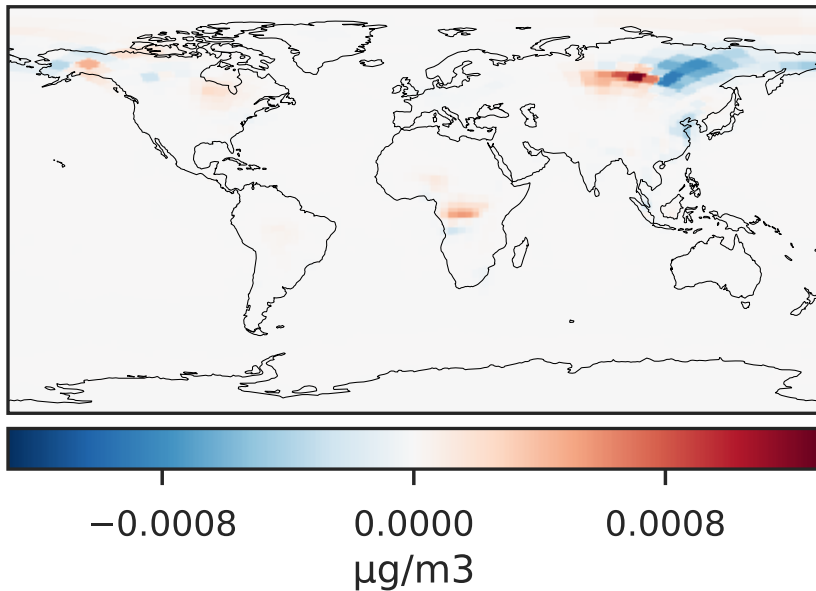
14.2.0-rc.2 (Ref)
c24



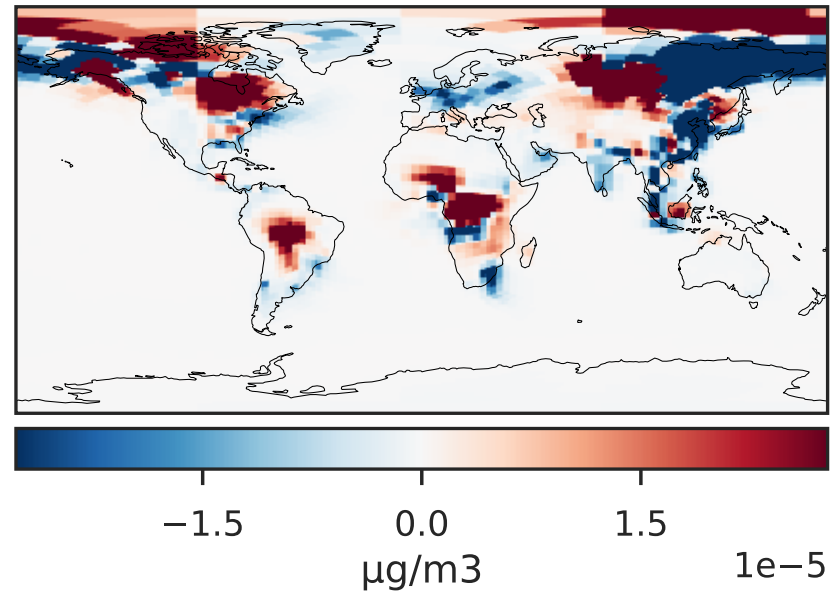
14.3.0-rc.0 (Dev)
c24



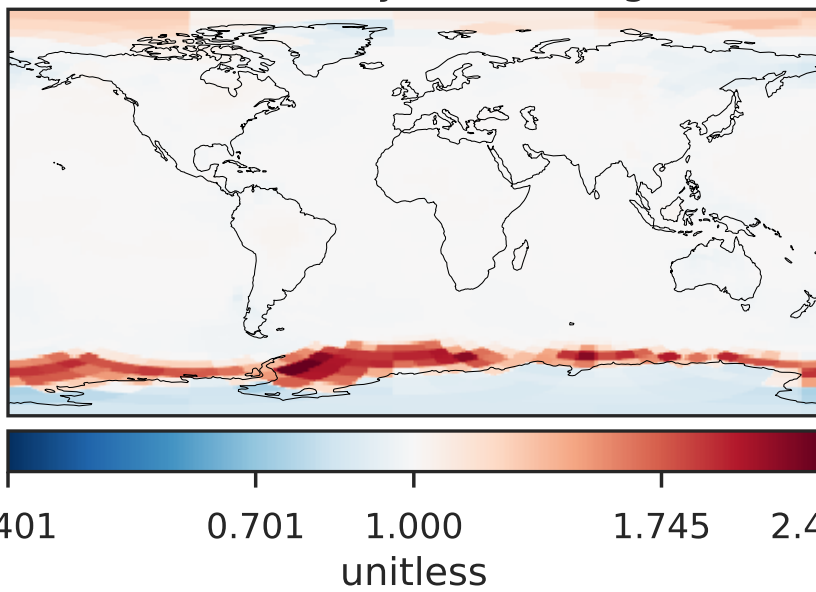
Difference (1x1.25)
Dev - Ref, Dynamic Range



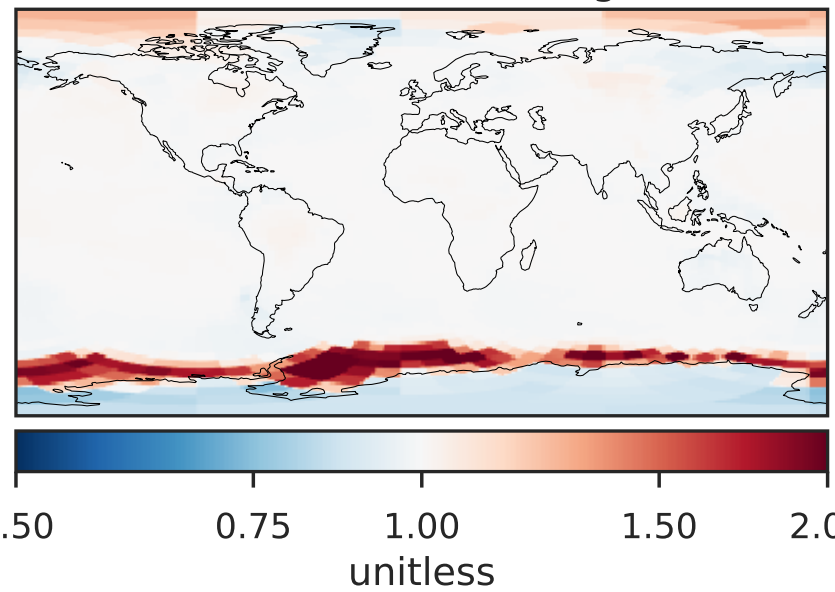
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

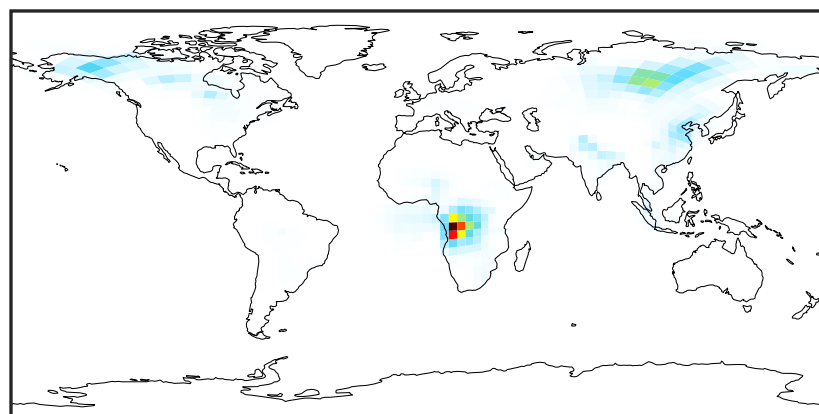


Ratio (1x1.25)
Dev/Ref, Fixed Range



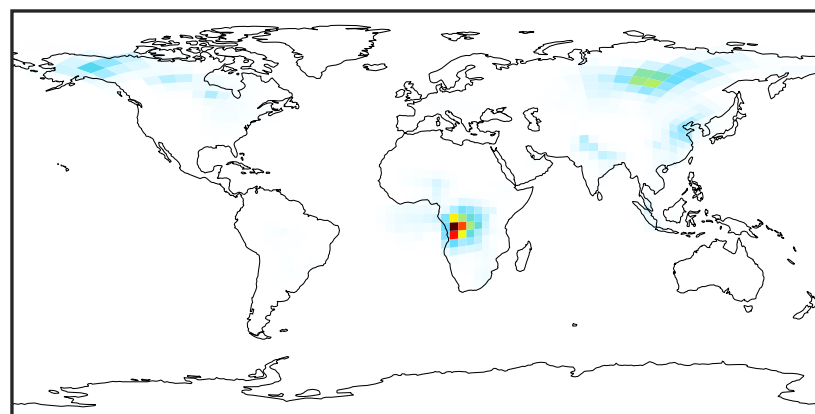
SpeciesConcVV_ASOA3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



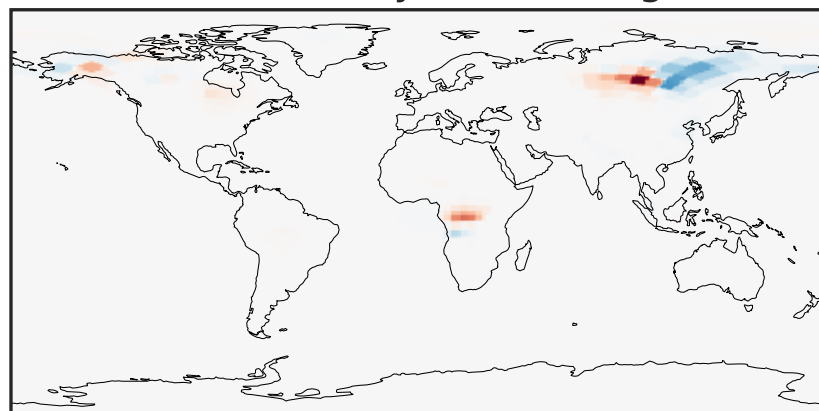
0.0000 0.0576 0.1153 0.1729 0.2306
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



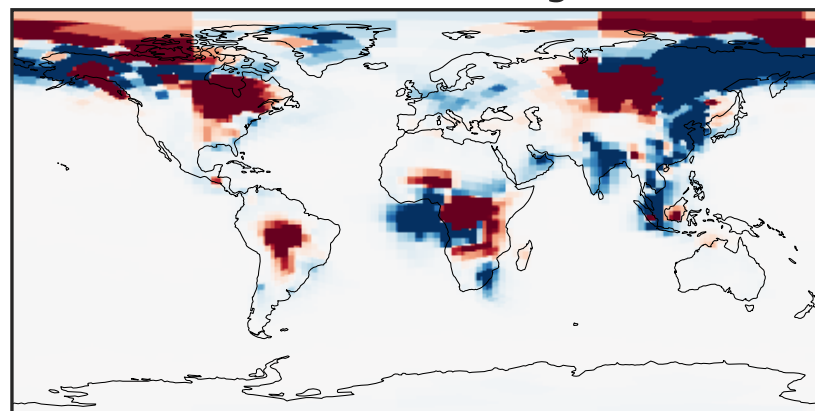
0.0000 0.0576 0.1153 0.1729 0.2306
 $\mu\text{g}/\text{m}^3$

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



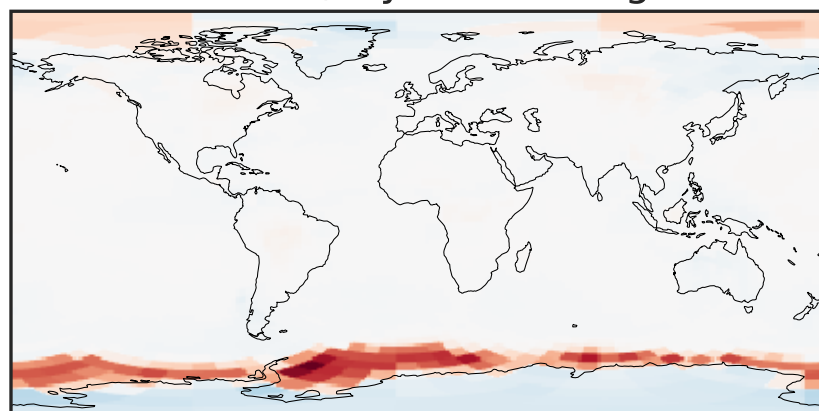
-0.002 0.000 0.002
 $\mu\text{g}/\text{m}^3$

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



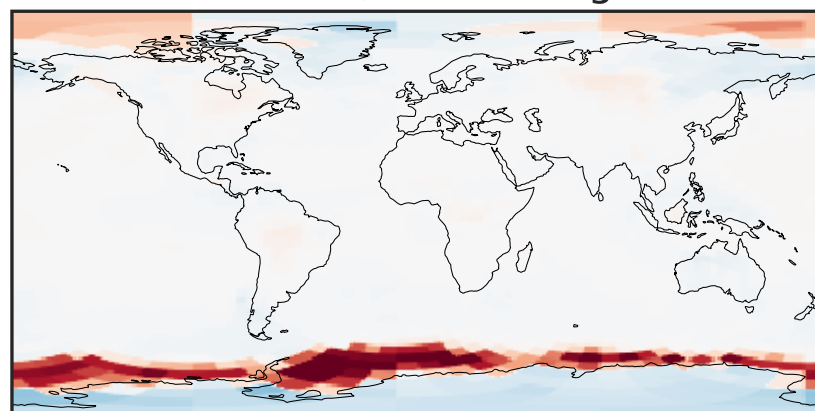
-1.5 0.0 1.5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



0.365 0.683 1.000 1.869 2.738
unitless

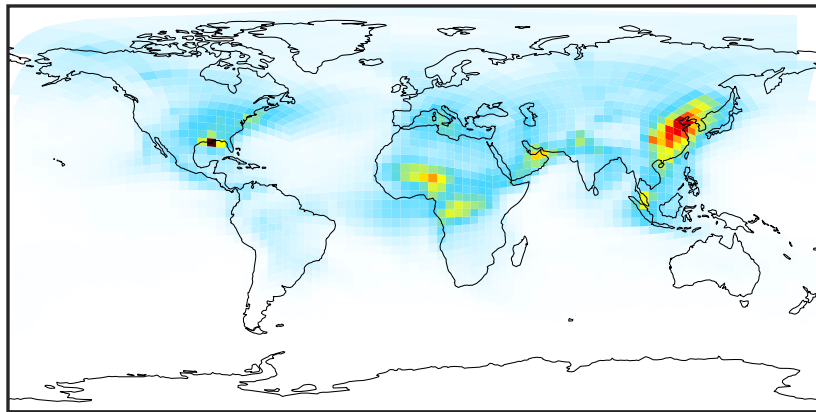
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

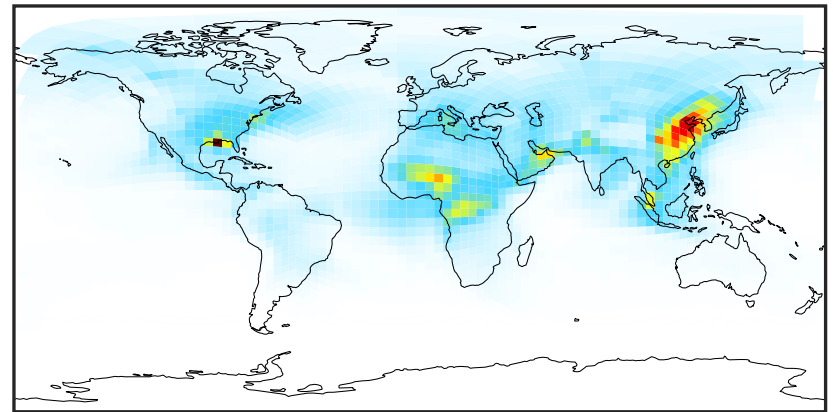
SpeciesConcVV_ASOAN (Jul2019)

14.2.0-rc.2 (Ref)
c24



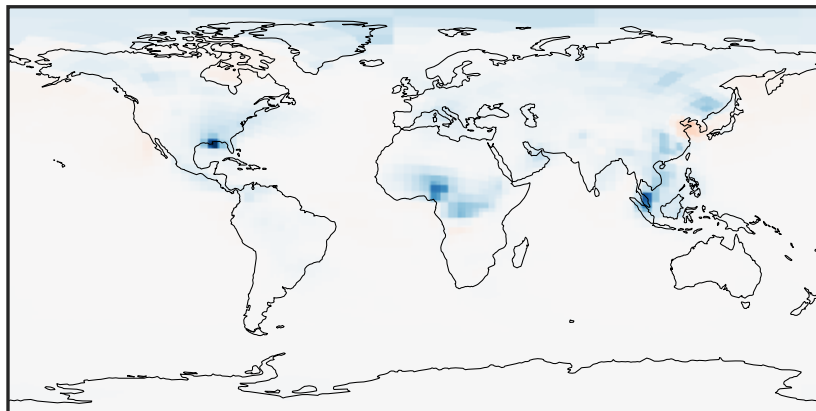
0.0002 0.0942 0.1883 0.2824 0.3765
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



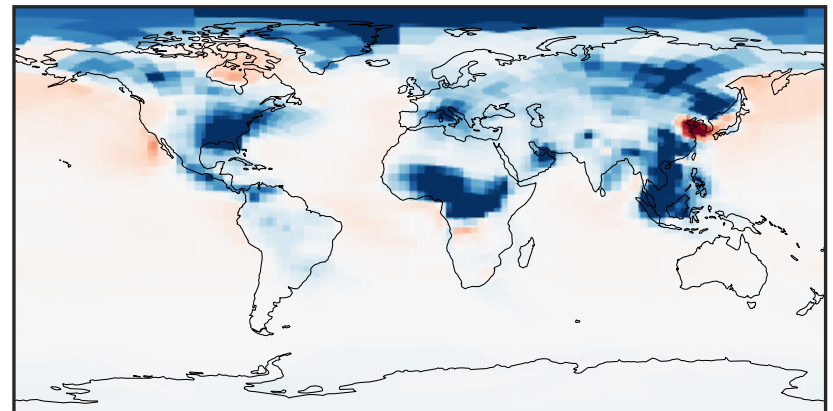
0.0002 0.0942 0.1883 0.2824 0.3765
 $\mu\text{g}/\text{m}^3$

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



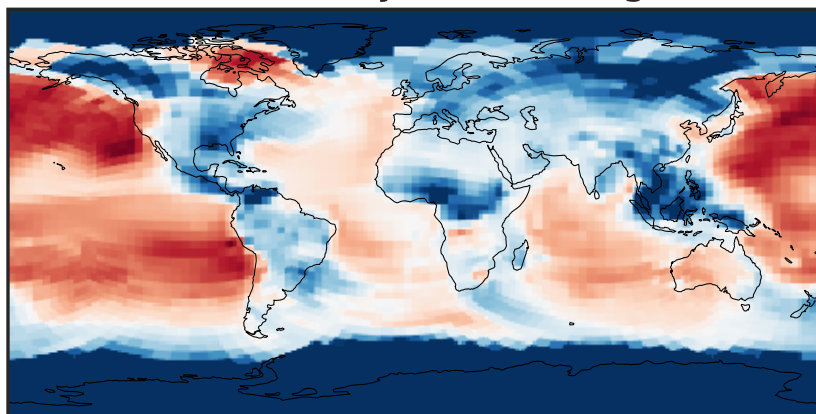
-0.005 0.000 0.005
 $\mu\text{g}/\text{m}^3$

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



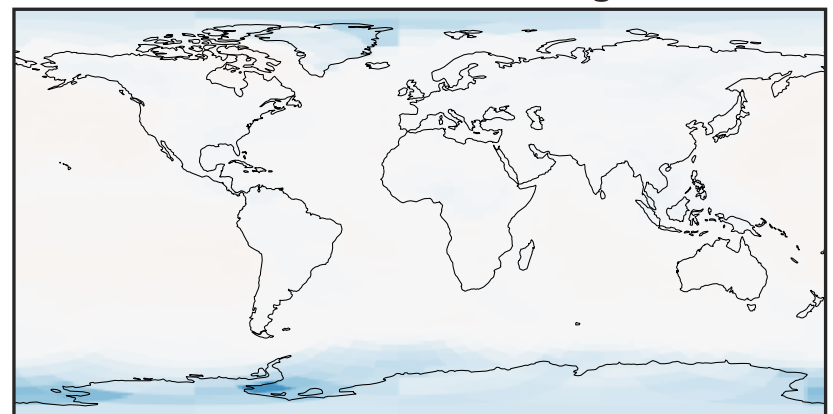
-0.0008 0.0000 0.0008
 $\mu\text{g}/\text{m}^3$

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



0.97855 0.98928 1.00000 1.01096 1.02192
unitless

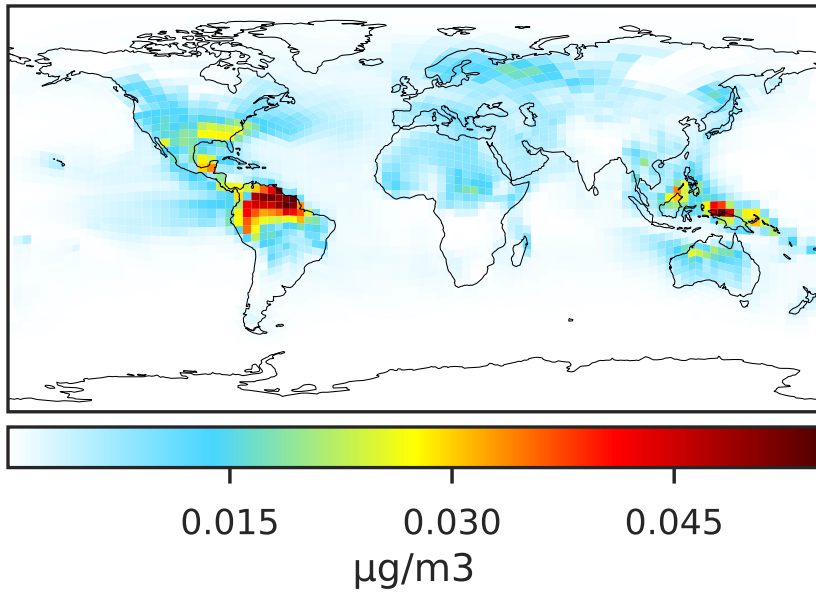
Ratio (1x1.25)
Dev/Ref, Fixed Range



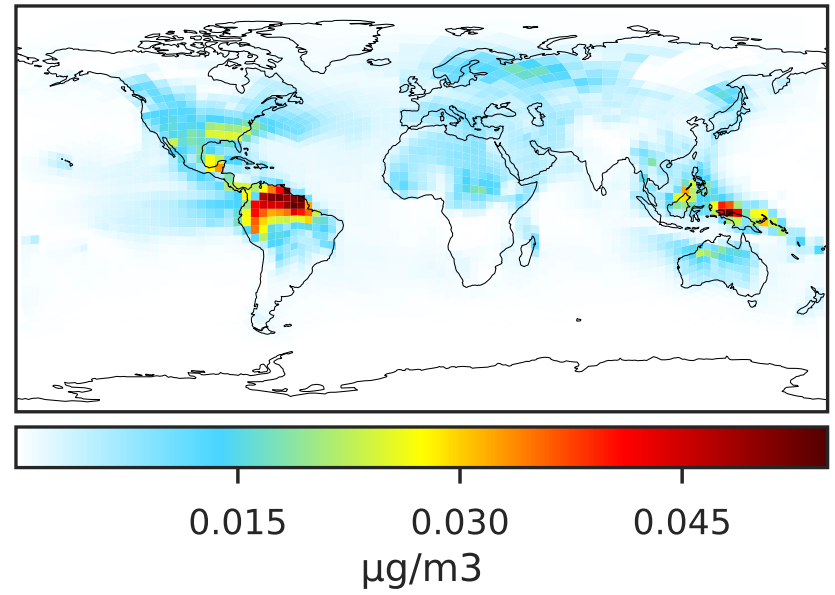
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_TSOG0 (Jul2019)

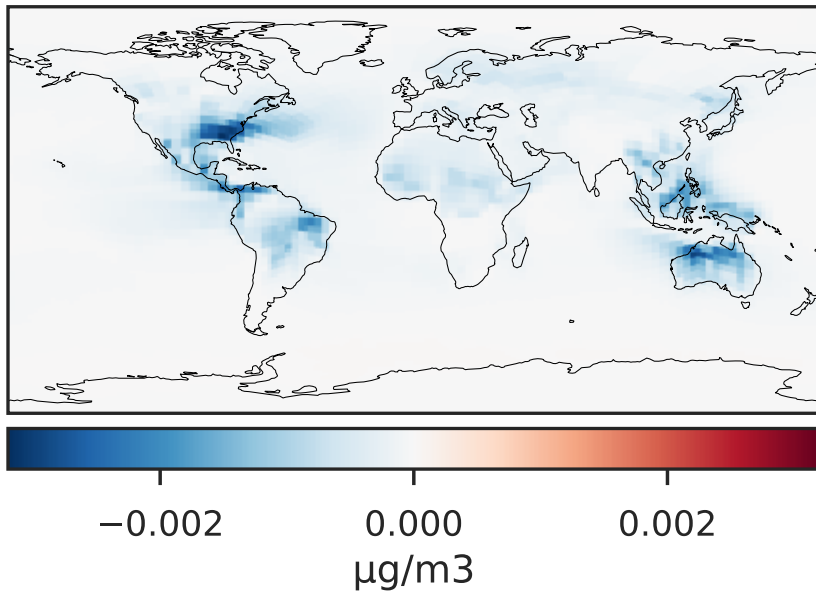
14.2.0-rc.2 (Ref)
c24



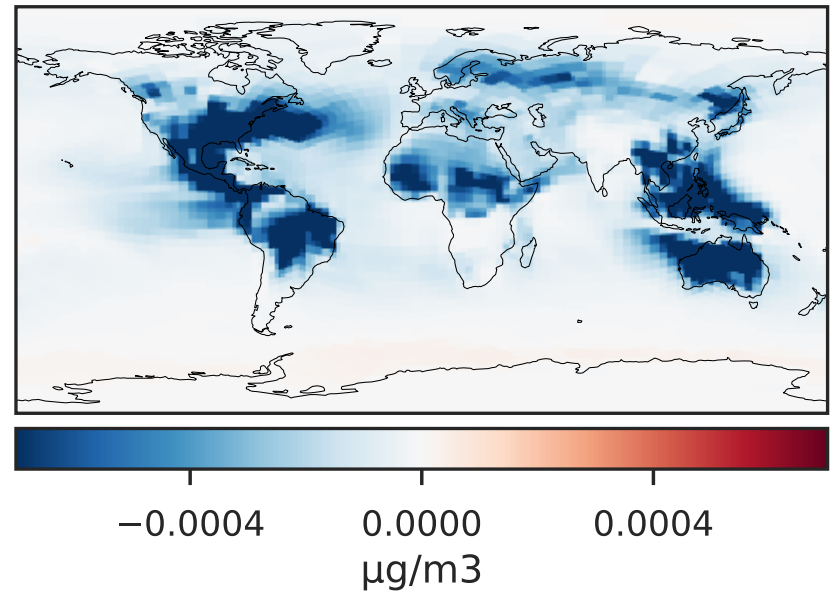
14.3.0-rc.0 (Dev)
c24



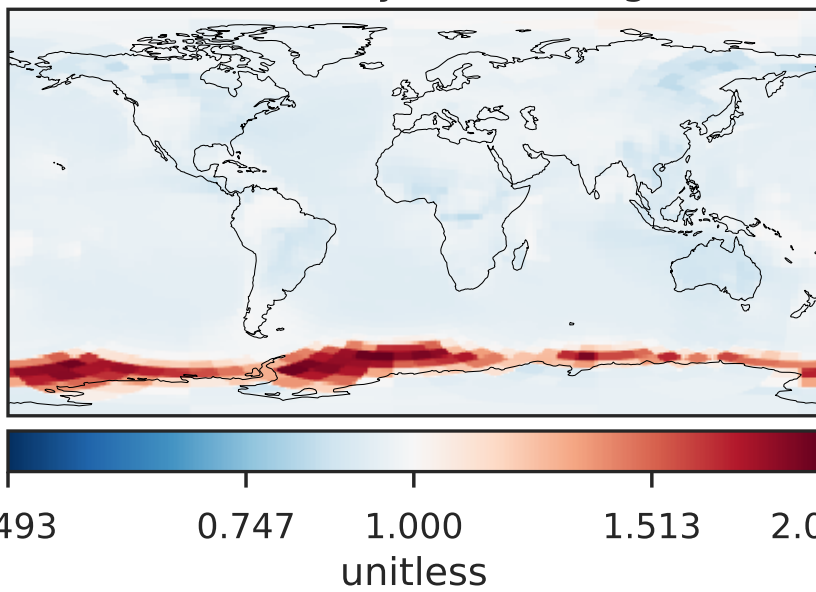
Difference (1x1.25)
Dev - Ref, Dynamic Range



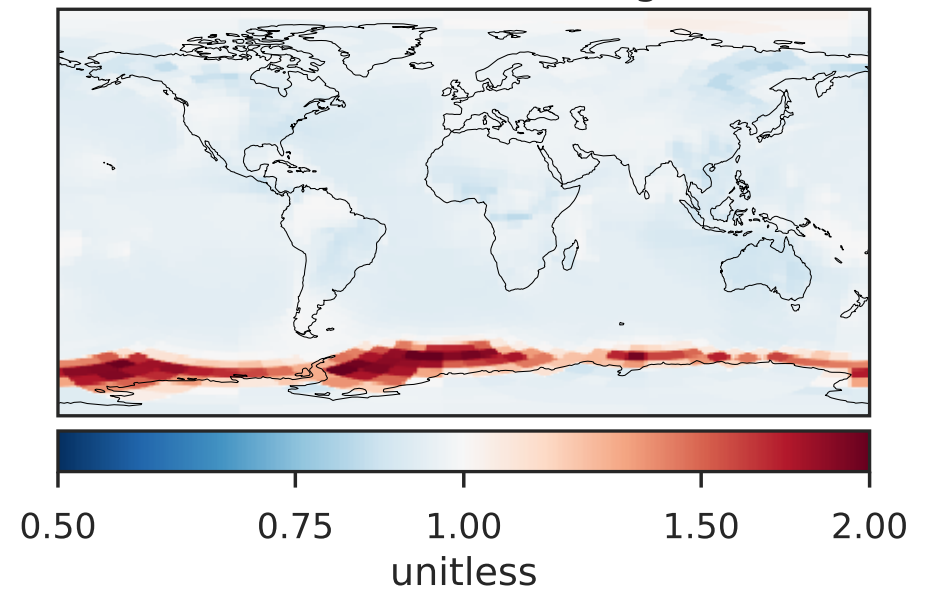
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

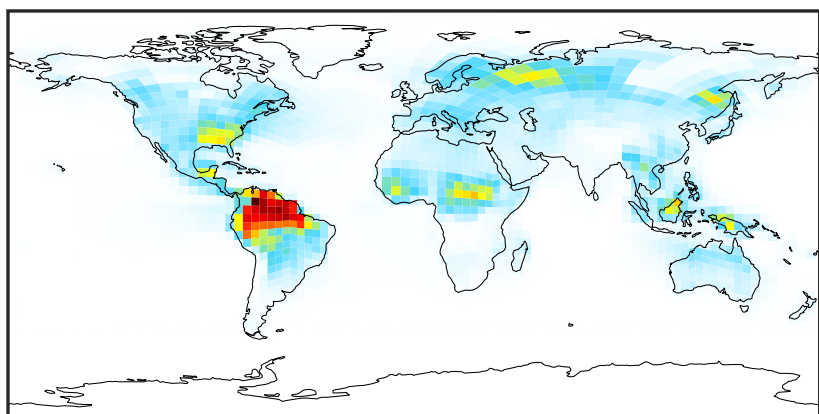


Ratio (1x1.25)
Dev/Ref, Fixed Range



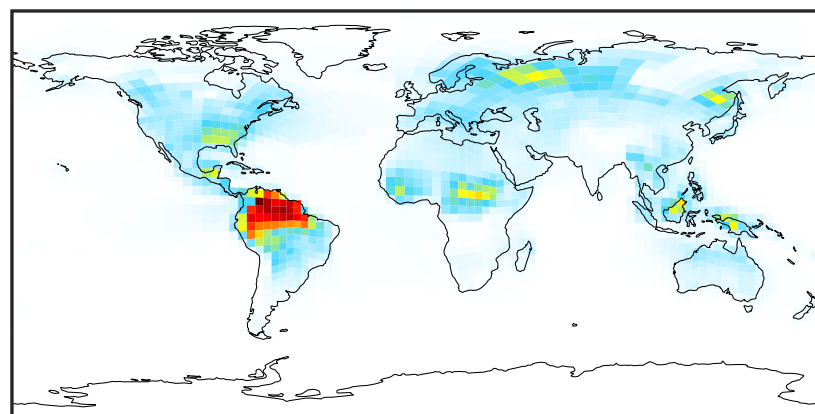
SpeciesConcVV_TSOG1 (Jul2019)

14.2.0-rc.2 (Ref)
c24



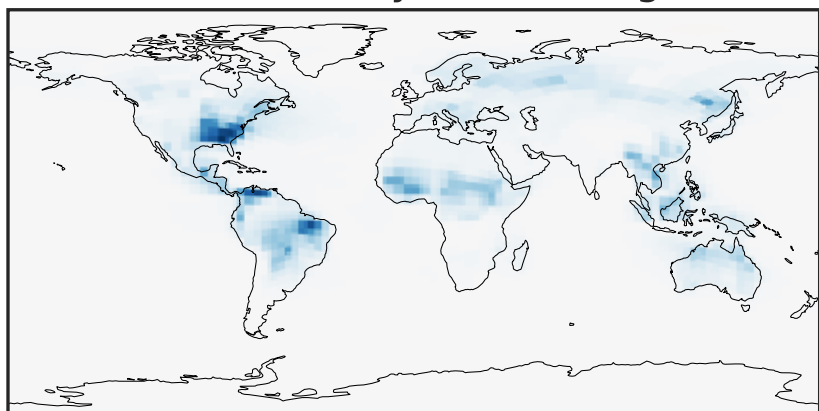
0.0000 0.0401 0.0802 0.1203 0.1604
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



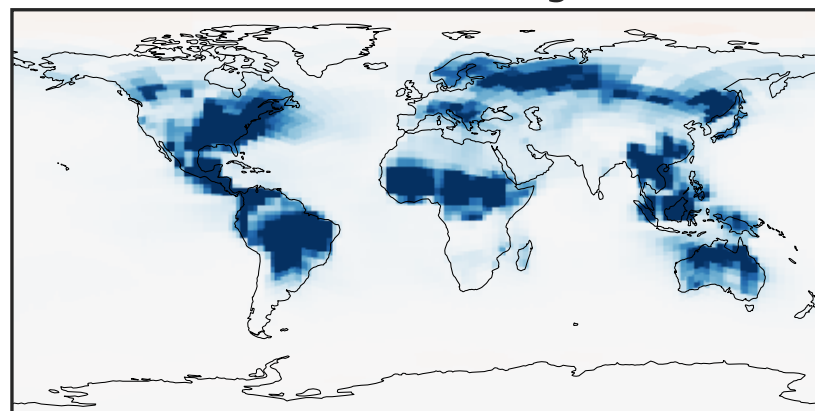
0.0000 0.0401 0.0802 0.1203 0.1604
 $\mu\text{g}/\text{m}^3$

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



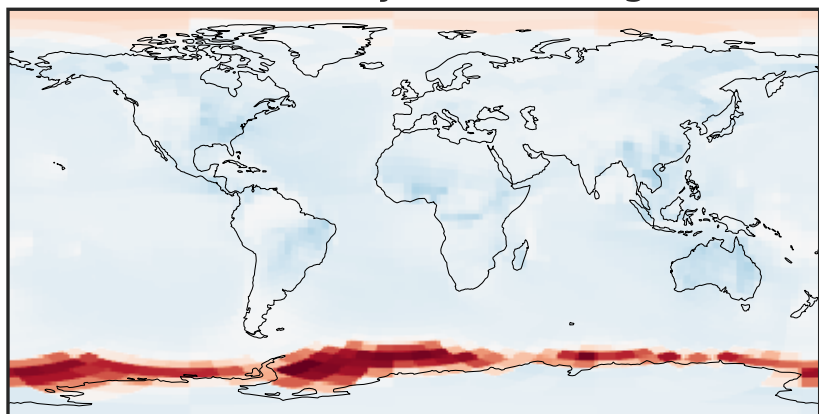
-0.01 0.00 0.01
 $\mu\text{g}/\text{m}^3$

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



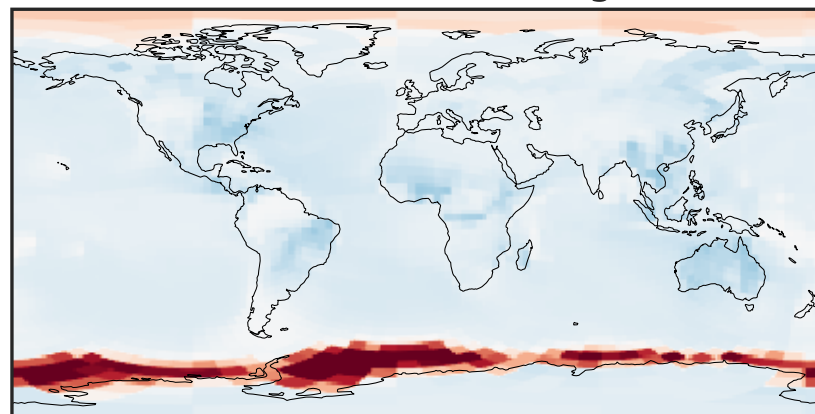
-0.0015 0.0000 0.0015
 $\mu\text{g}/\text{m}^3$

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



0.425 0.712 1.000 1.677 2.353
unitless

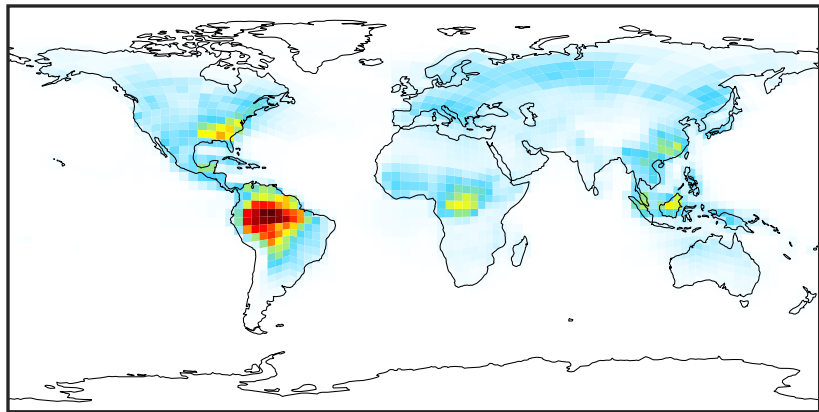
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

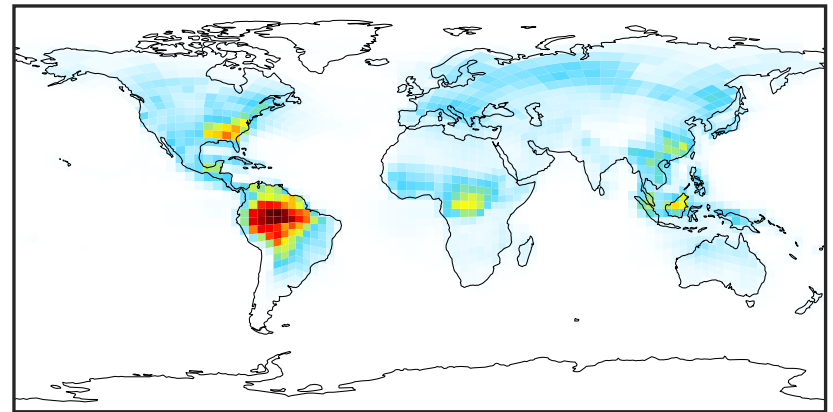
SpeciesConcVV_TSOG2 (Jul2019)

14.2.0-rc.2 (Ref)
c24



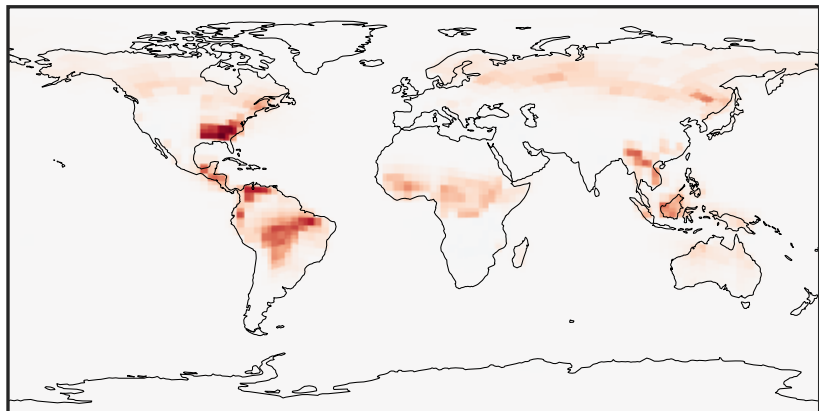
0.000 0.911 1.822 2.733 3.644
µg/m3

14.3.0-rc.0 (Dev)
c24



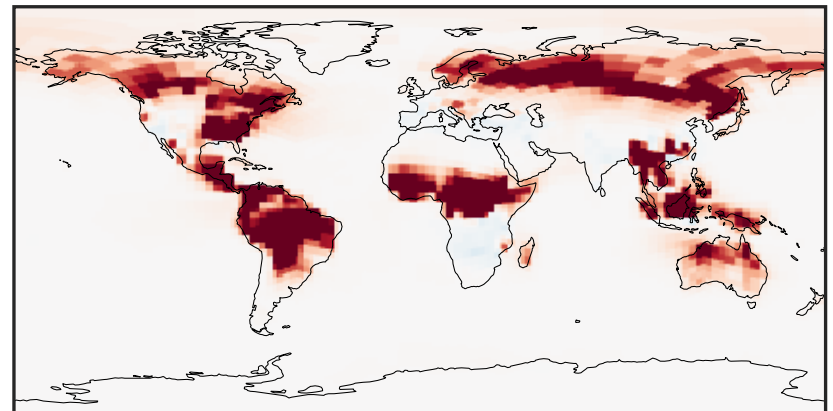
0.000 0.911 1.822 2.733 3.644
µg/m3

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



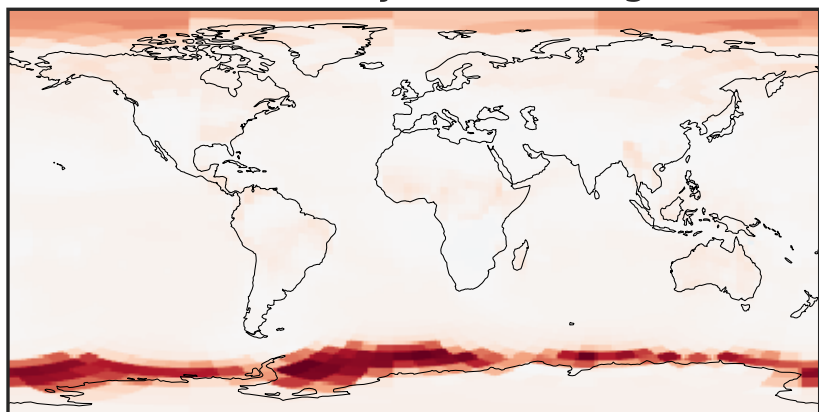
-0.198 -0.099 0.000 0.099 0.198
µg/m3

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



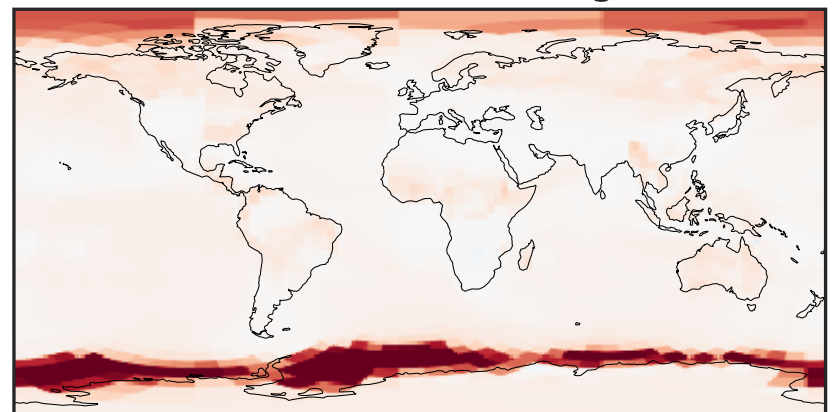
-0.015 0.000 0.015
µg/m3

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



0.381 0.690 1.000 1.813 2.626
unitless

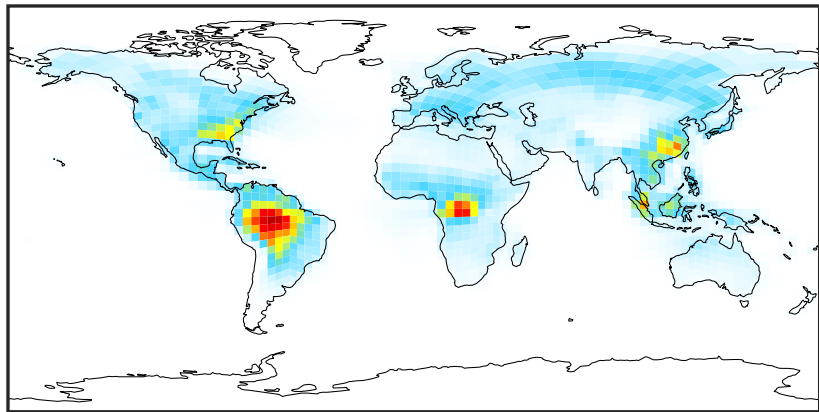
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

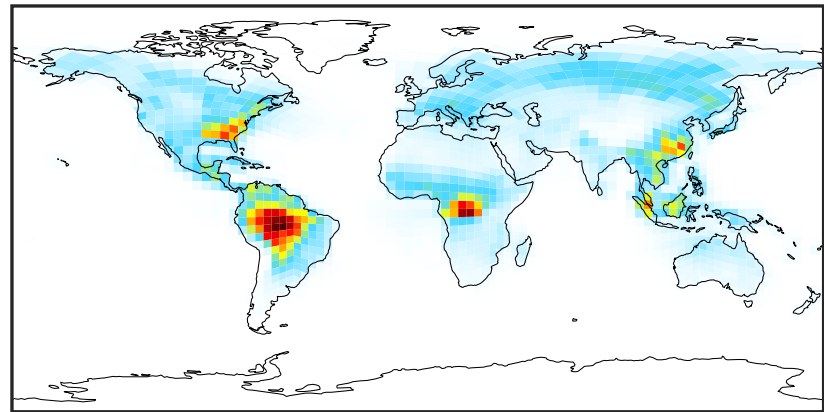
SpeciesConcVV_TSOG3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



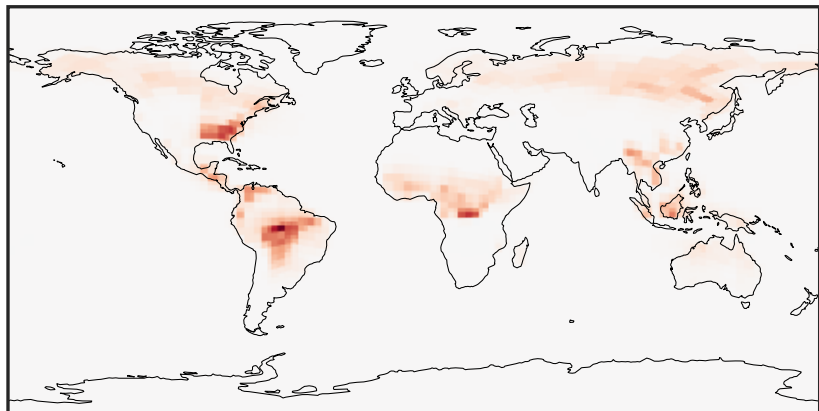
0.000 2.088 4.177 6.265 8.354
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



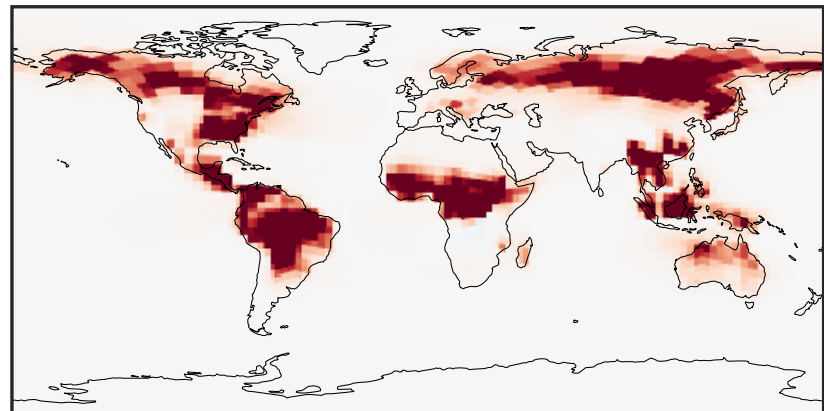
0.000 2.088 4.177 6.265 8.354
 $\mu\text{g}/\text{m}^3$

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



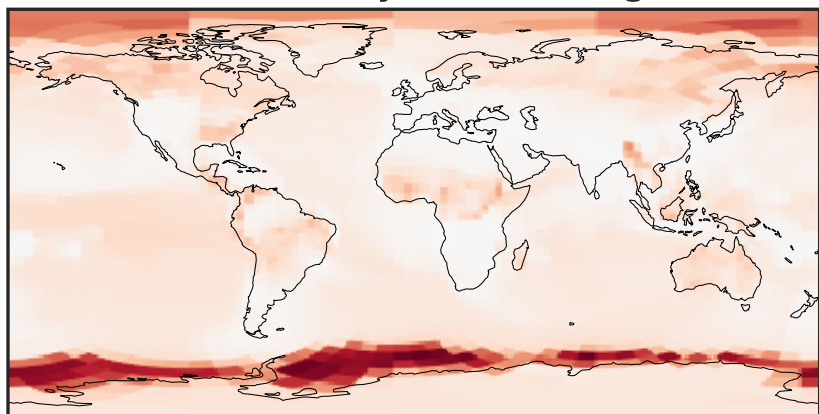
-1.939 -0.969 0.000 0.969 1.939
 $\mu\text{g}/\text{m}^3$

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



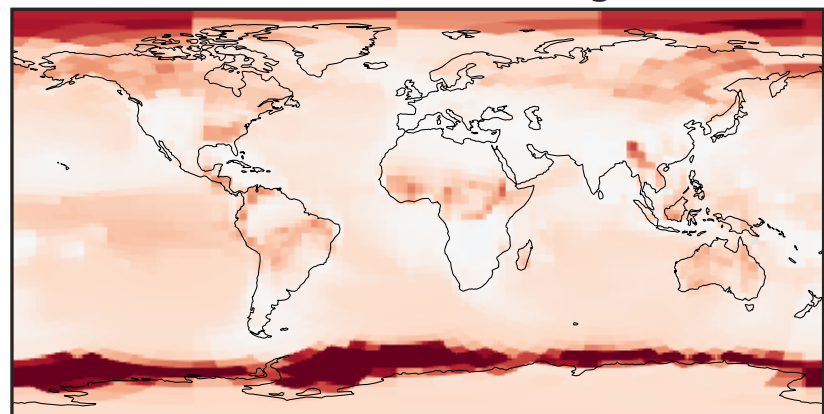
-0.224 -0.112 0.000 0.112 0.224
 $\mu\text{g}/\text{m}^3$

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



0.350 0.675 1.000 1.928 2.855
unitless

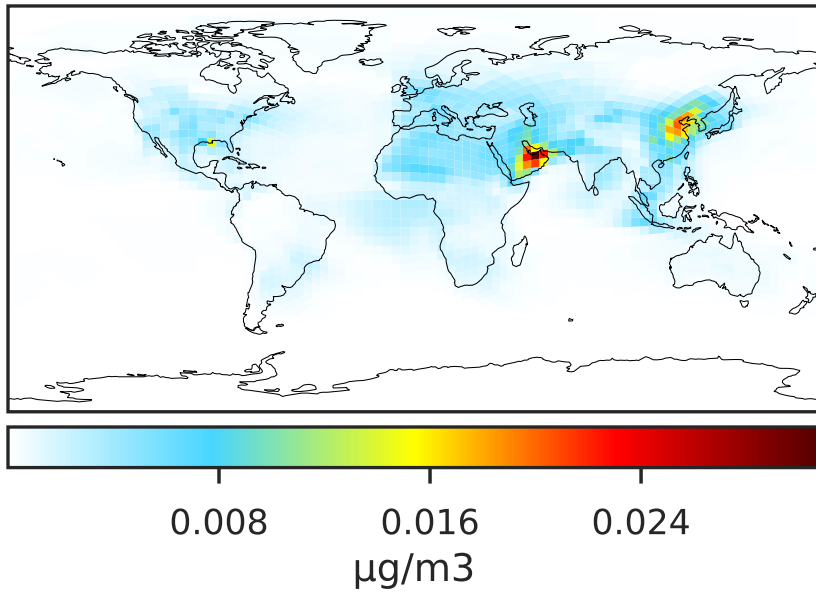
Ratio (1x1.25)
Dev/Ref, Fixed Range



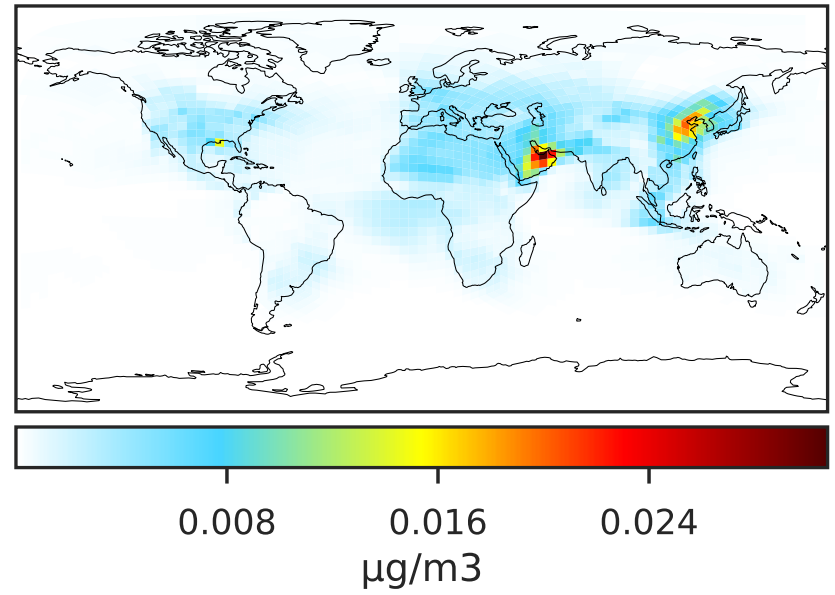
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ASOG1 (Jul2019)

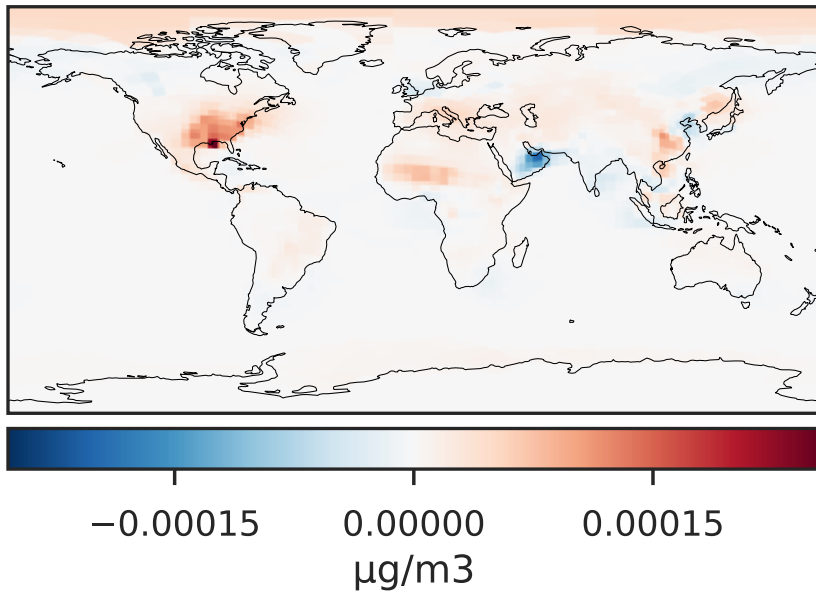
14.2.0-rc.2 (Ref)
c24



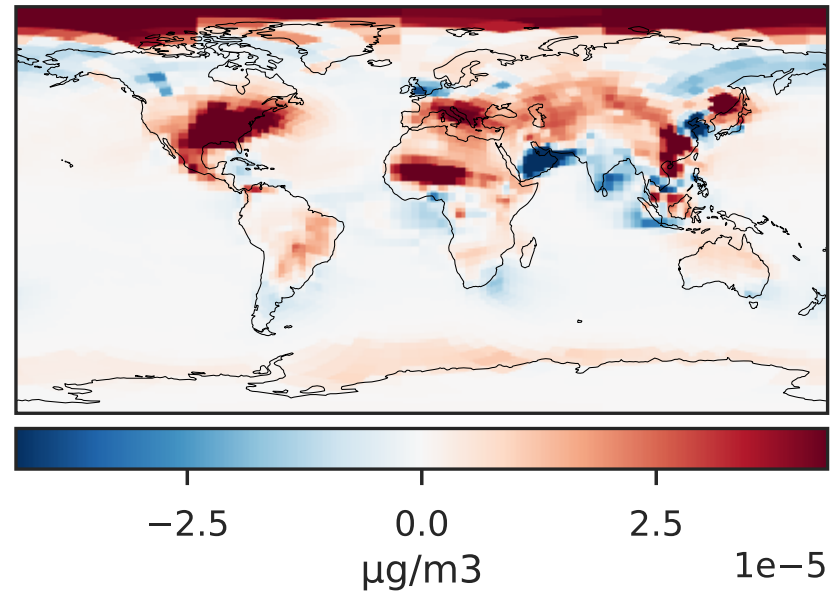
14.3.0-rc.0 (Dev)
c24



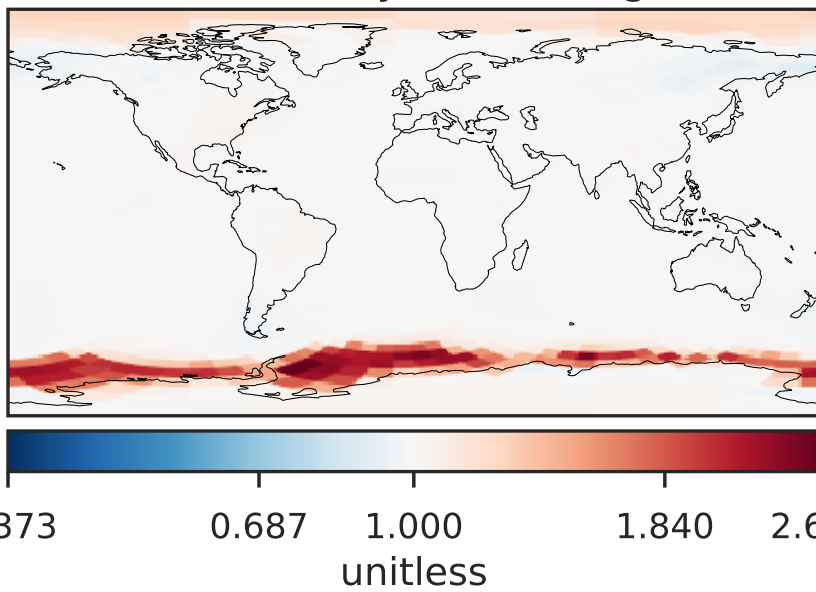
Difference (1x1.25)
Dev - Ref, Dynamic Range



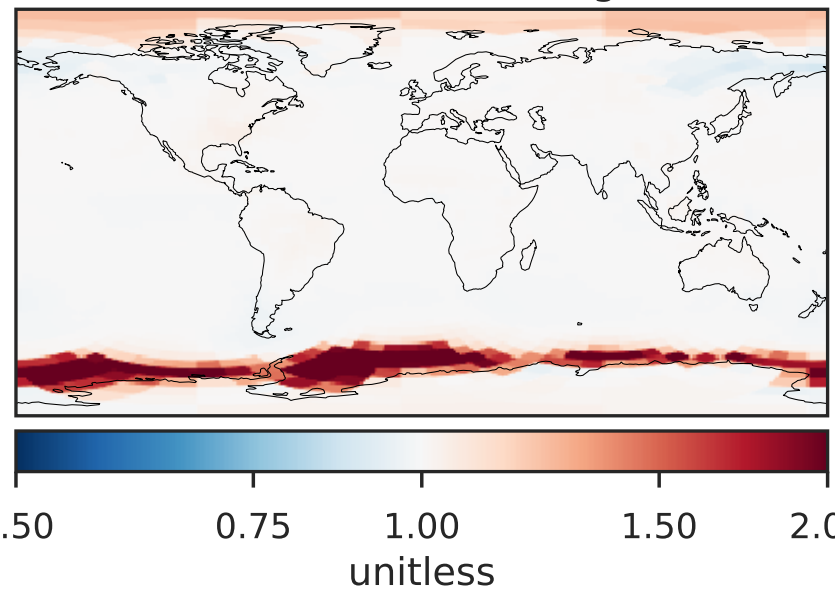
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

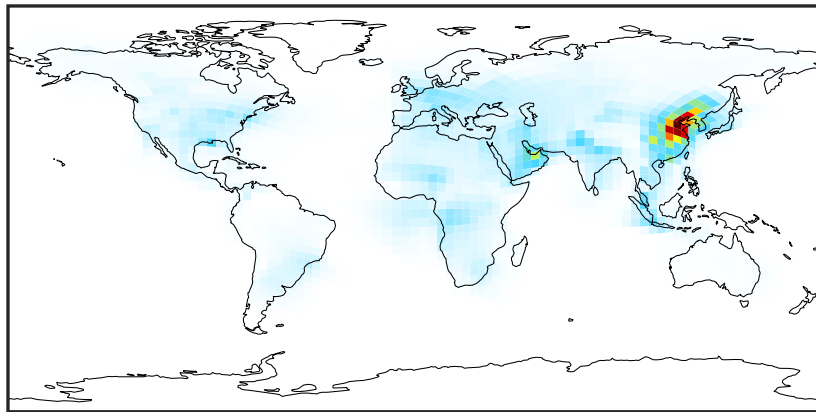


Ratio (1x1.25)
Dev/Ref, Fixed Range



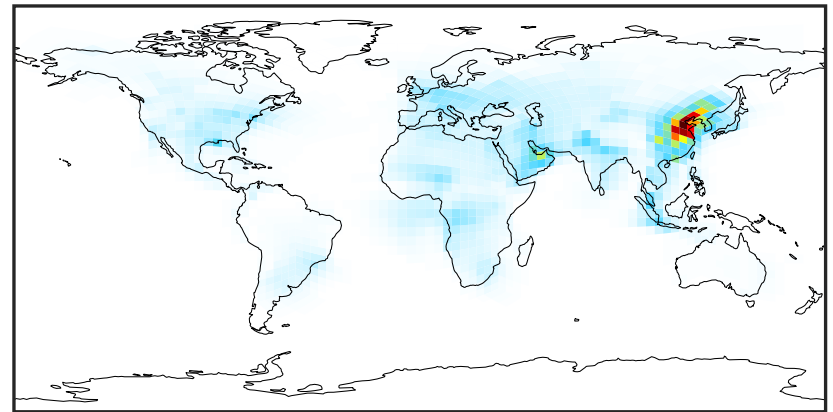
SpeciesConcVV_ASOG2 (Jul2019)

14.2.0-rc.2 (Ref)
c24



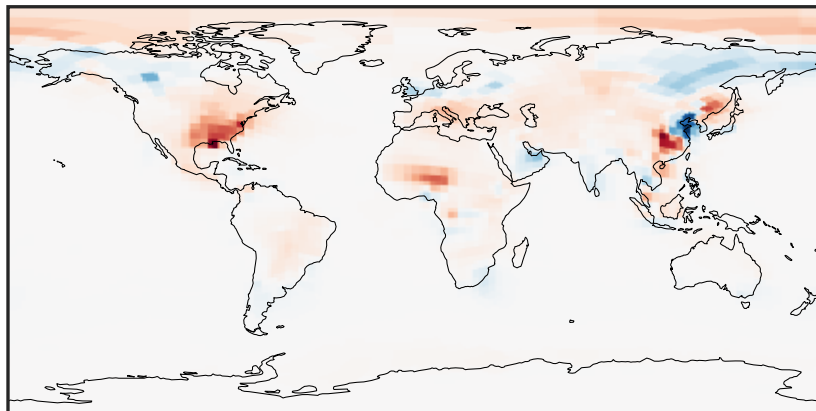
0.0000 0.0293 0.0587 0.0880 0.1174
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



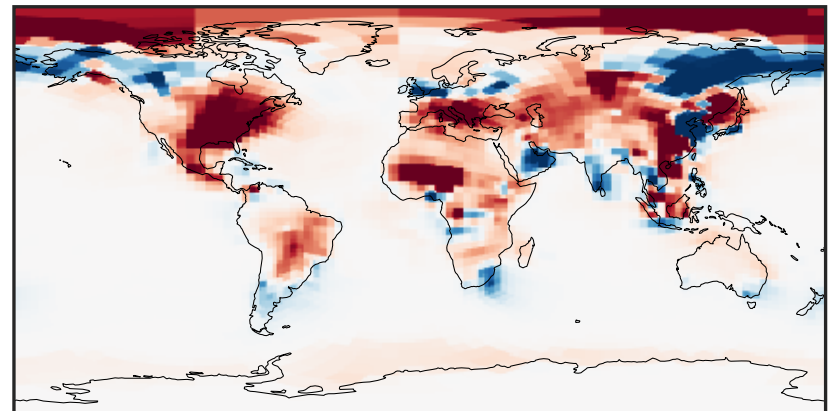
0.0000 0.0293 0.0587 0.0880 0.1174
 $\mu\text{g}/\text{m}^3$

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



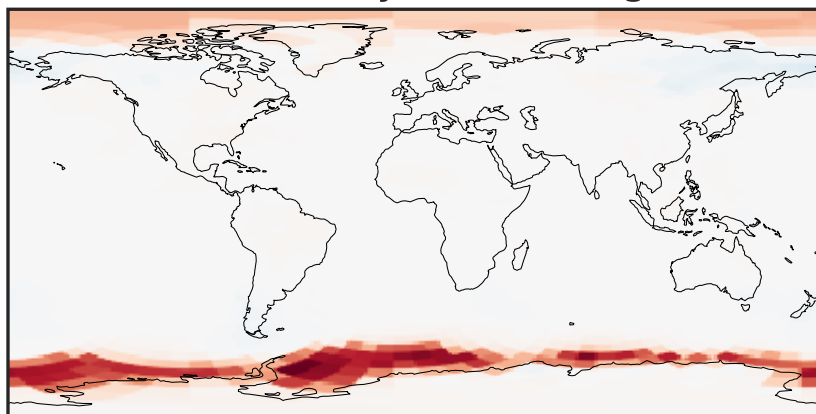
-0.00025 0.00000 0.00025
 $\mu\text{g}/\text{m}^3$

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



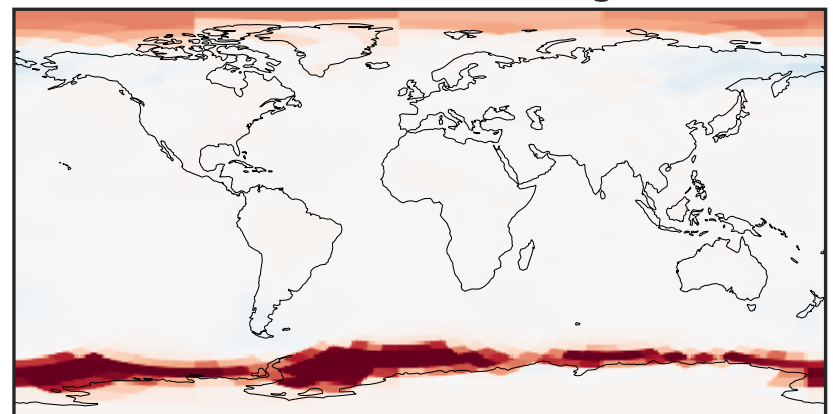
-4 0 4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



0.363 0.681 1.000 1.879 2.759
unitless

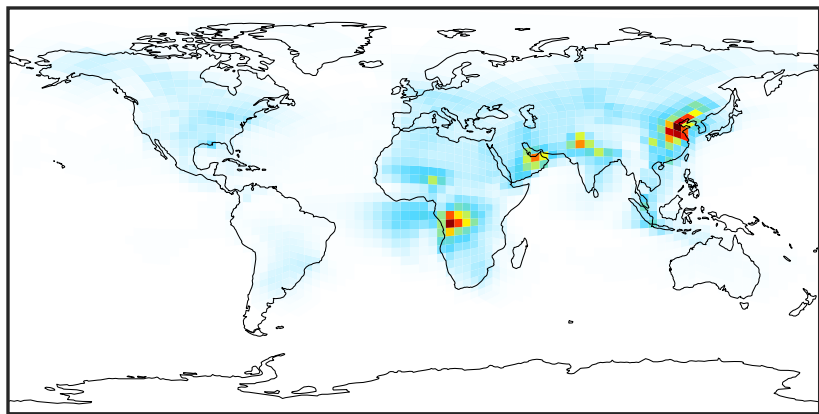
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

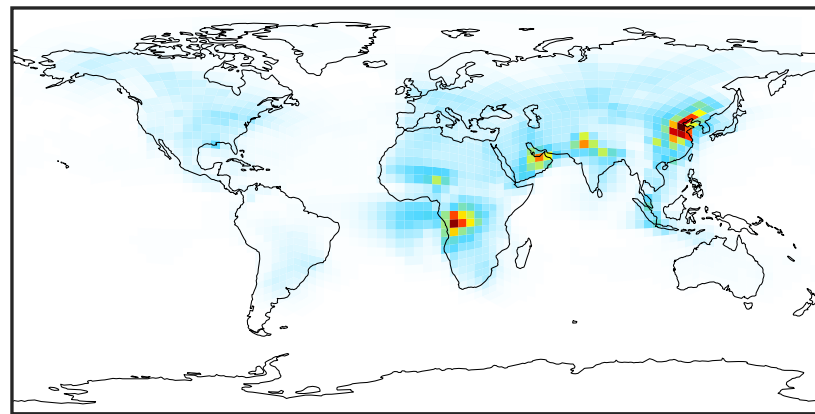
SpeciesConcVV_ASOG3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



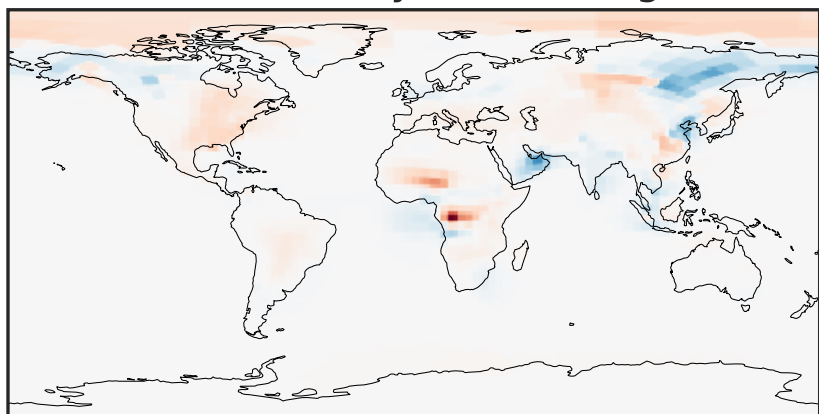
0.0000 0.1211 0.2423 0.3634 0.4845
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



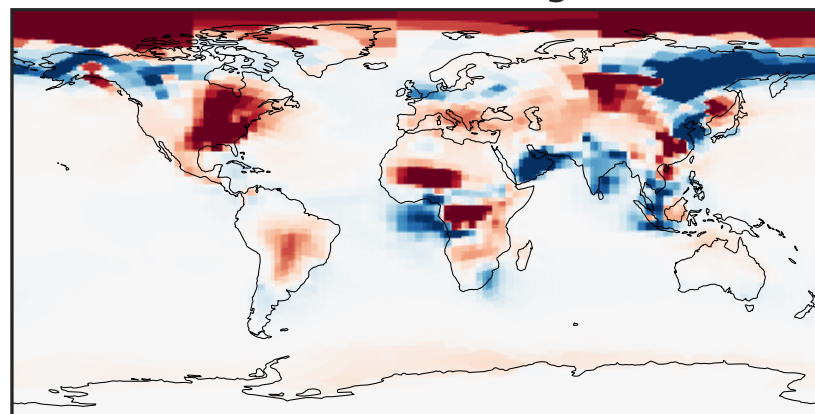
0.0000 0.1211 0.2423 0.3634 0.4845
 $\mu\text{g}/\text{m}^3$

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



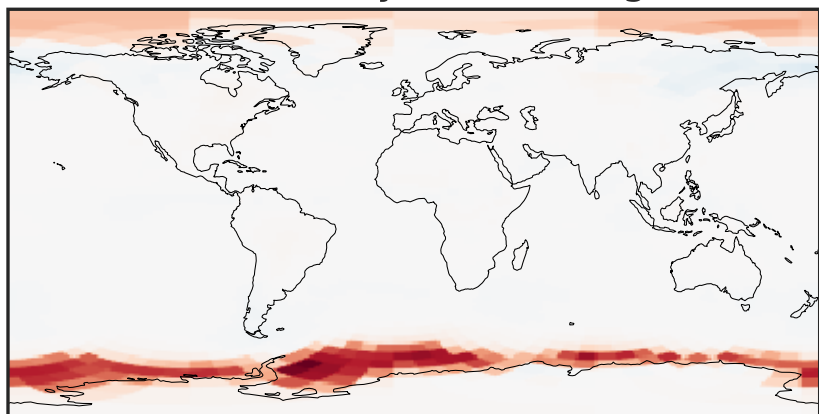
-0.0025 0.0000 0.0025
 $\mu\text{g}/\text{m}^3$

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



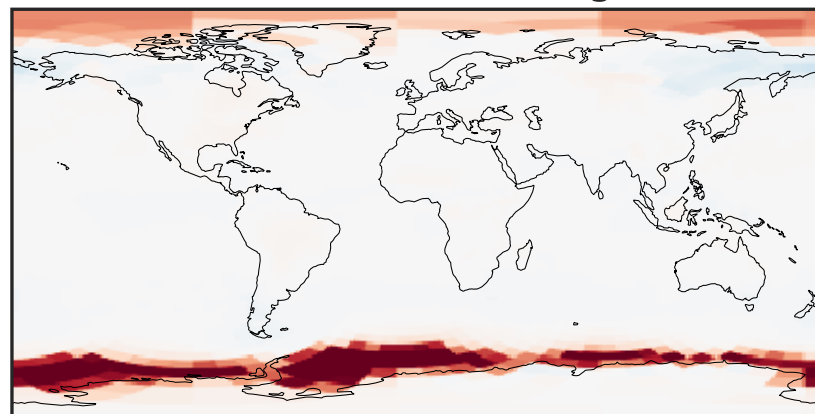
-0.0004 0.0000 0.0004
 $\mu\text{g}/\text{m}^3$

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



0.341 0.670 1.000 1.968 2.937
unitless

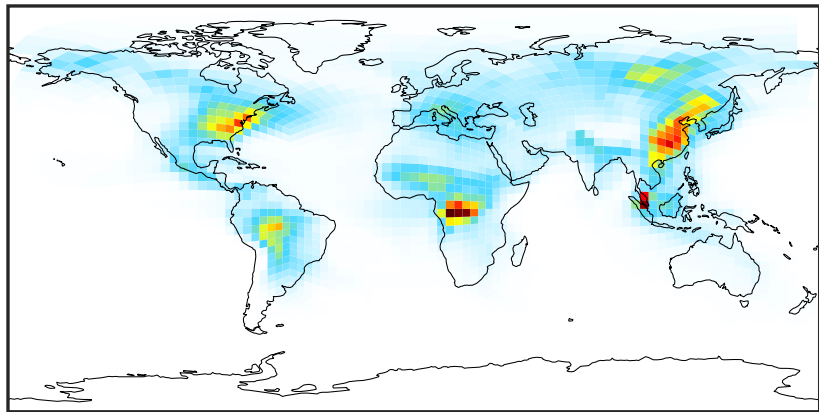
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

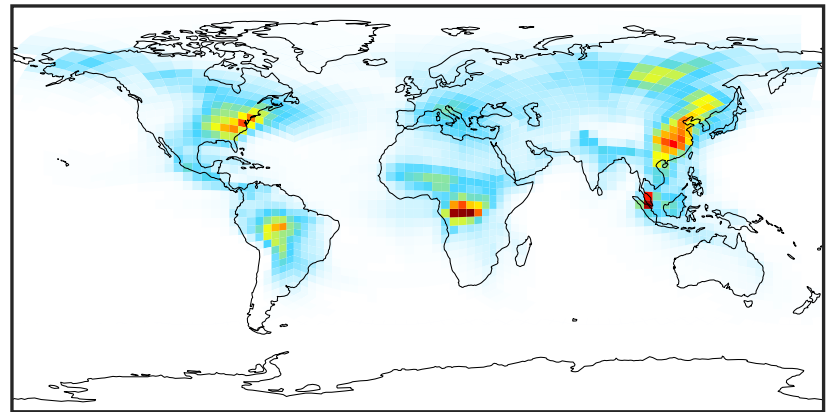
SpeciesConcVV_INDIOL (Jul2019)

14.2.0-rc.2 (Ref)
c24



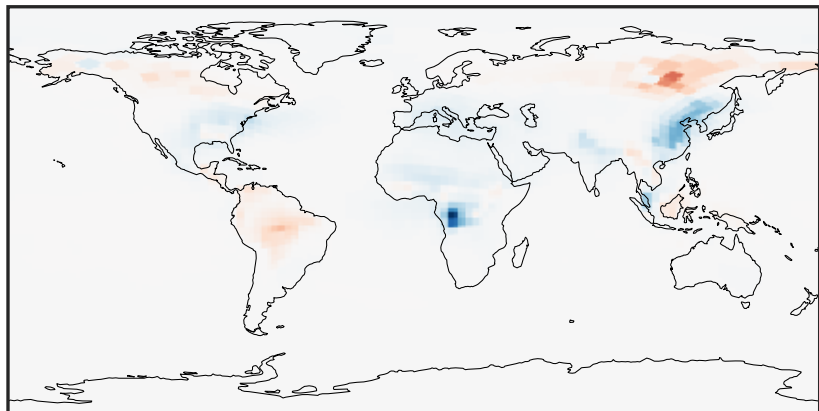
0.002 2.201 4.401 6.600 8.800
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



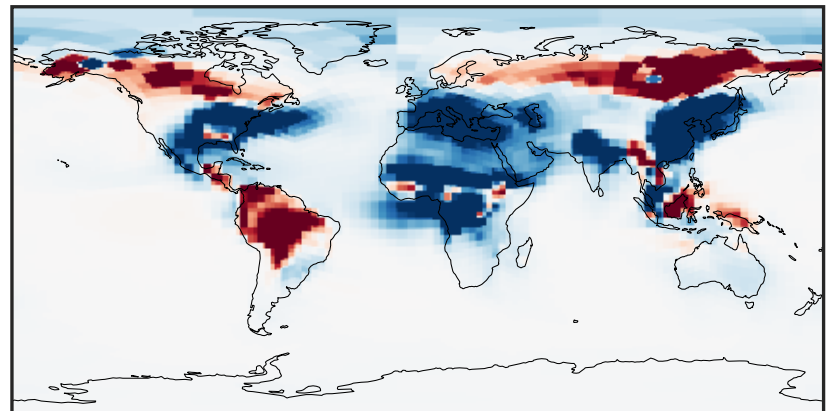
0.002 2.201 4.401 6.600 8.800
 $\mu\text{g}/\text{m}^3$

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



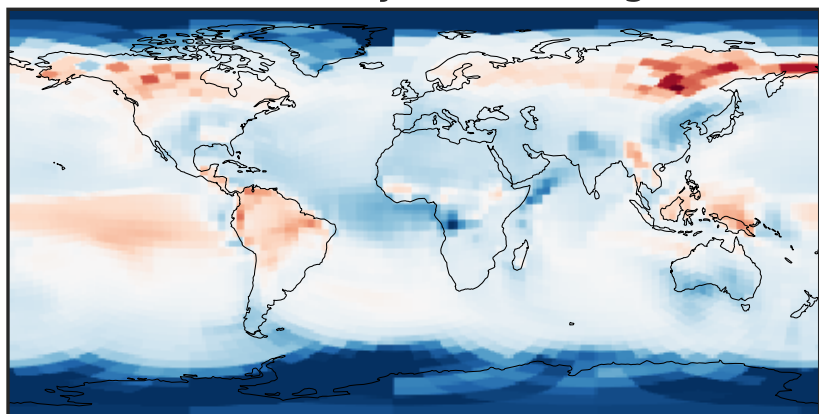
-0.869 -0.434 0.000 0.434 0.869
 $\mu\text{g}/\text{m}^3$

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



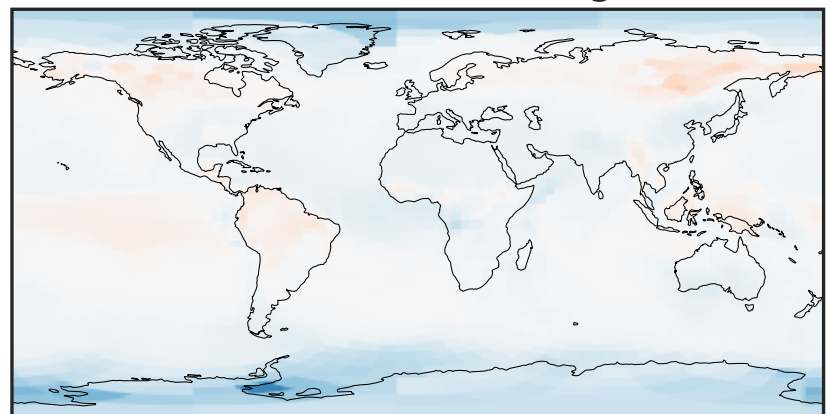
-0.025 0.000 0.025
 $\mu\text{g}/\text{m}^3$

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



0.8503 0.9252 1.0000 1.0880 1.1760
unitless

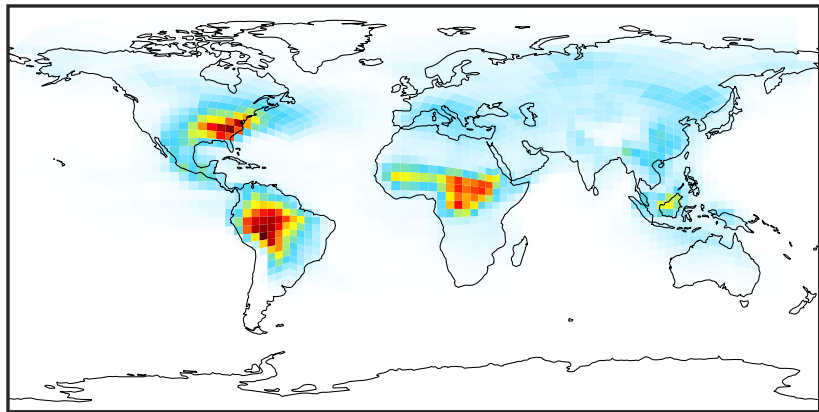
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

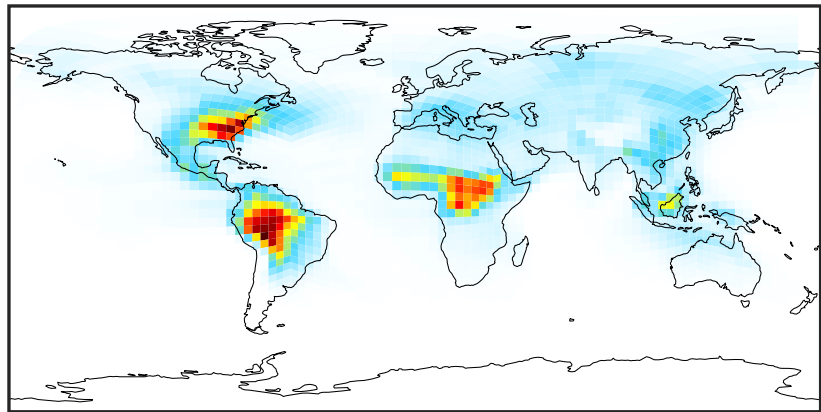
SpeciesConcVV_LVOCOA (Jul2019)

14.2.0-rc.2 (Ref)
c24



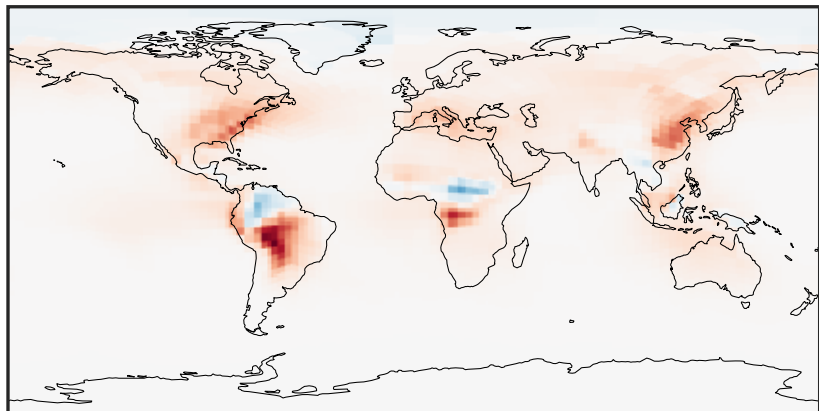
0.0000 0.0522 0.1044 0.1566 0.2088
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



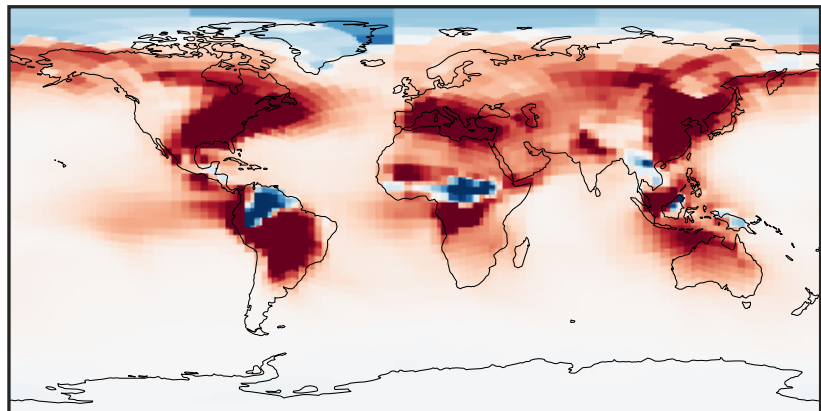
0.0000 0.0522 0.1044 0.1566 0.2088
 $\mu\text{g}/\text{m}^3$

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



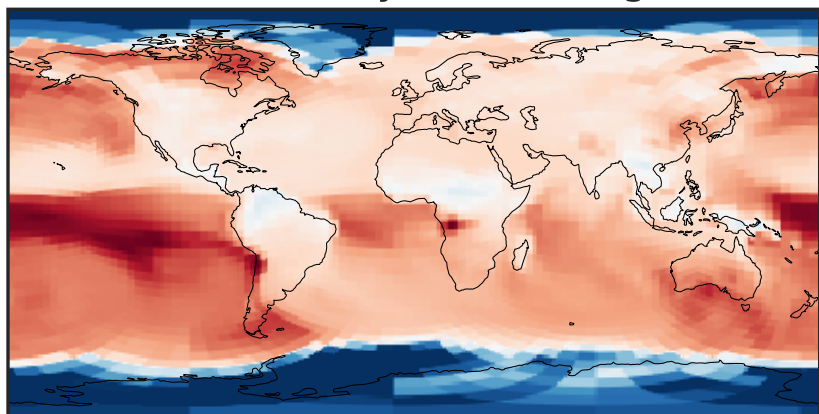
-0.002 0.000 0.002
 $\mu\text{g}/\text{m}^3$

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



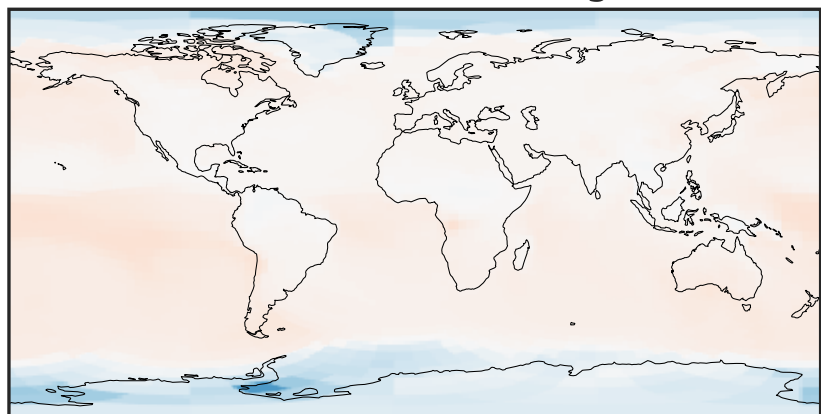
-0.00025 0.00000 0.00025
 $\mu\text{g}/\text{m}^3$

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



0.9025 0.9512 1.0000 1.0540 1.1080
unitless

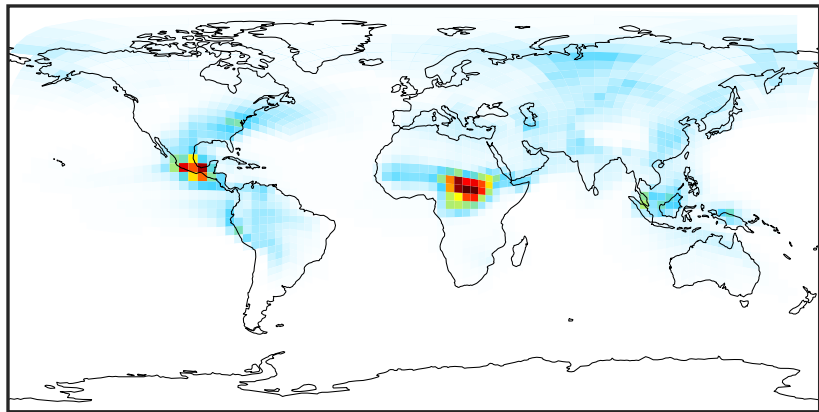
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

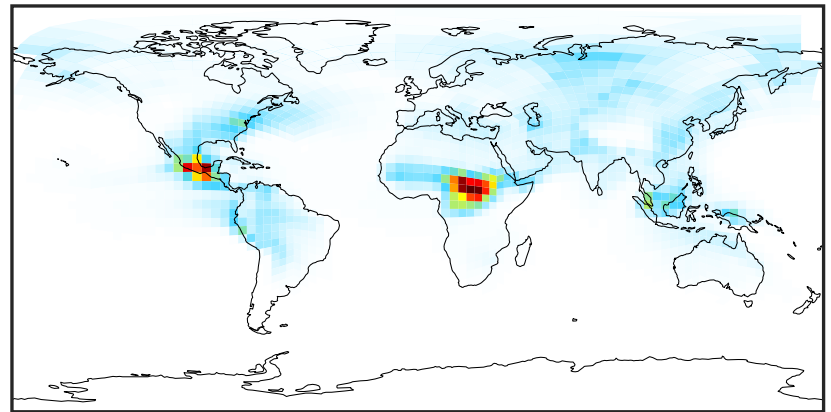
SpeciesConcVV_SOAIE (Jul2019)

14.2.0-rc.2 (Ref)
c24



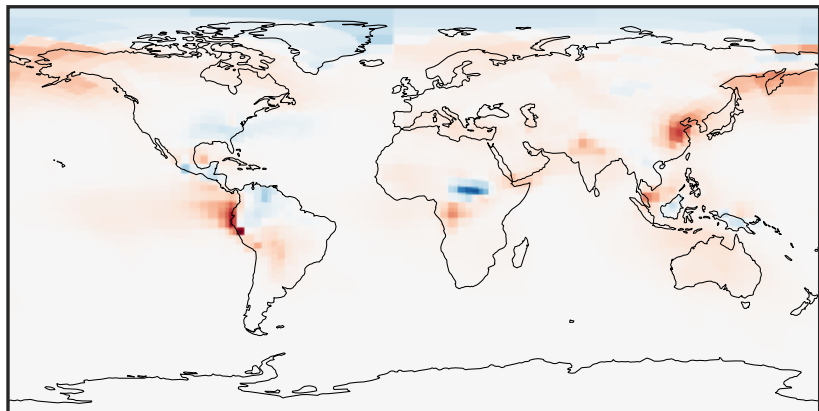
0.000 1.234 2.468 3.702 4.935
µg/m3

14.3.0-rc.0 (Dev)
c24



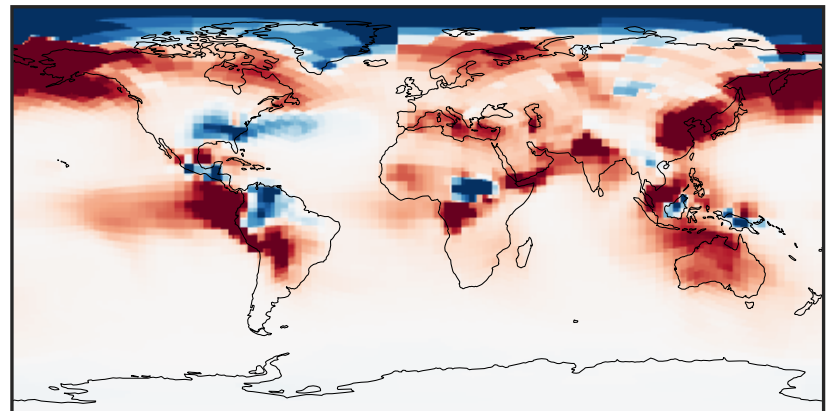
0.000 1.234 2.468 3.702 4.935
µg/m3

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



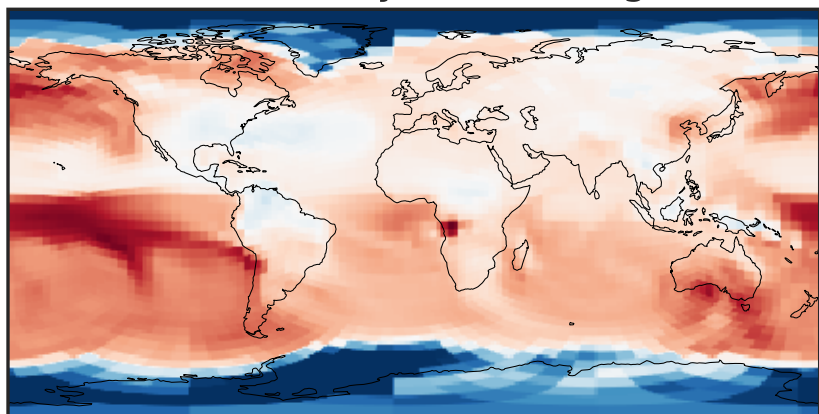
-0.025 0.000 0.025
µg/m3

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



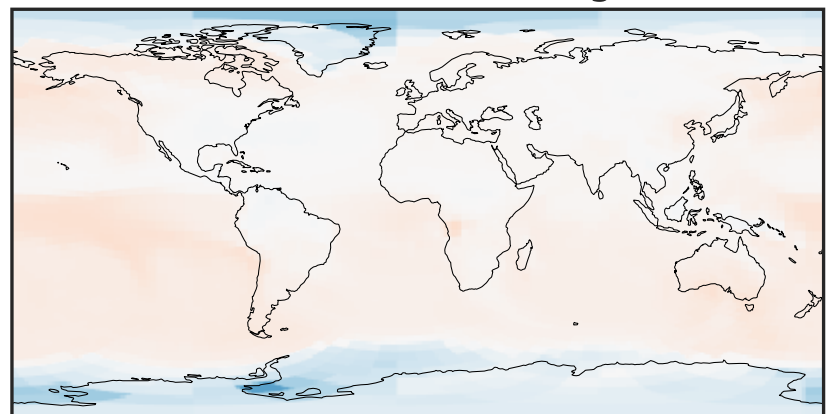
-0.004 0.000 0.004
µg/m3

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



0.8919 0.9460 1.0000 1.0606 1.1212
unitless

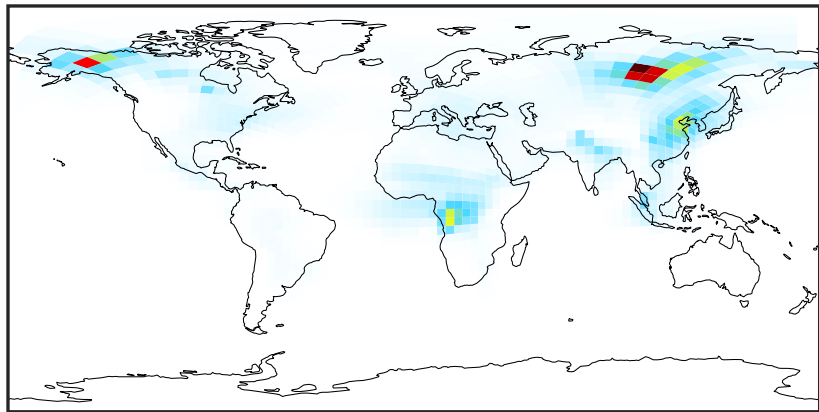
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

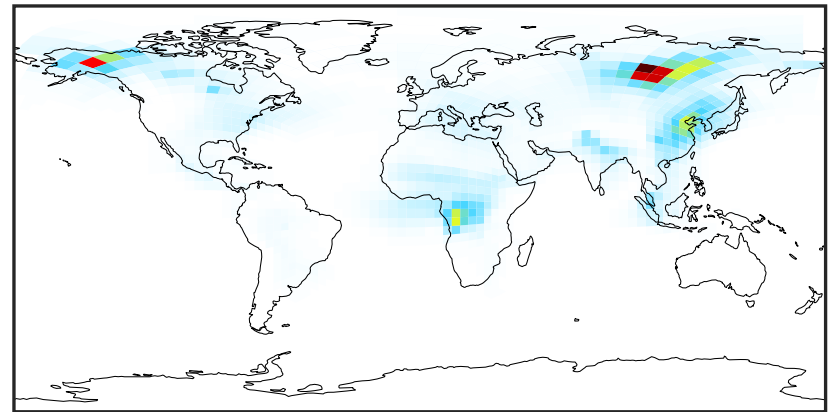
SpeciesConcVV_SOAGX (Jul2019)

14.2.0-rc.2 (Ref)
c24



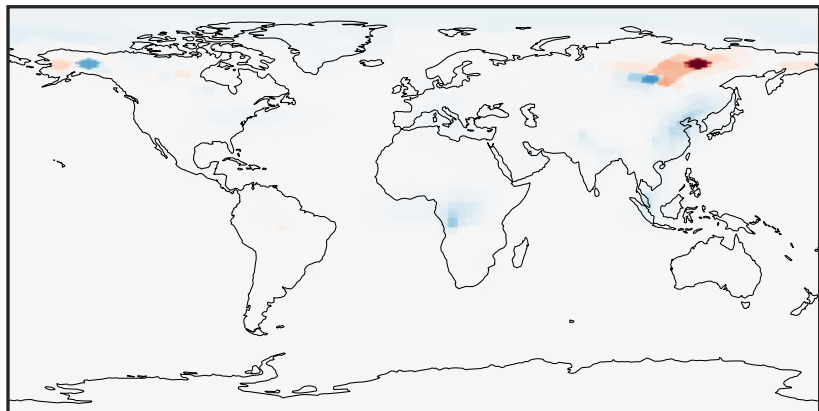
0.000 0.734 1.468 2.203 2.937
µg/m3

14.3.0-rc.0 (Dev)
c24



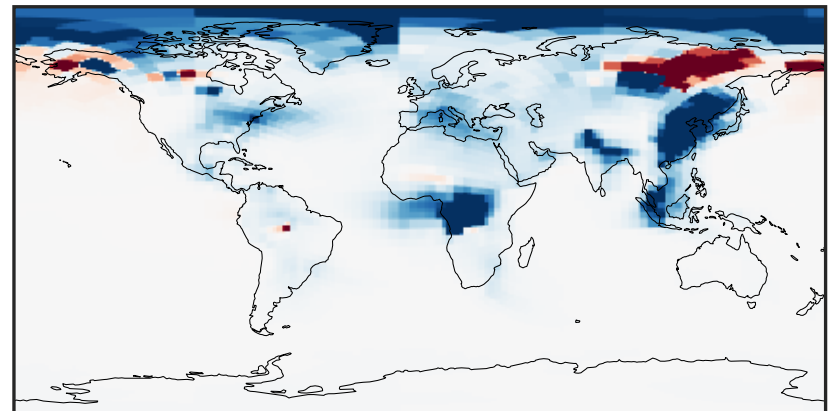
0.000 0.734 1.468 2.203 2.937
µg/m3

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



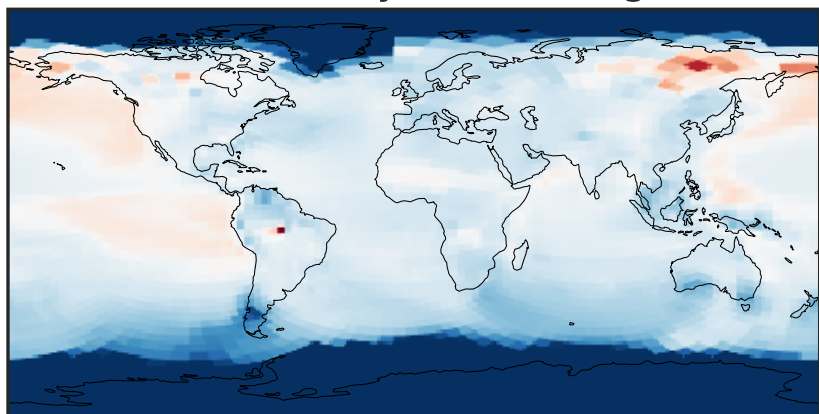
-0.025 0.000 0.025
µg/m3

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



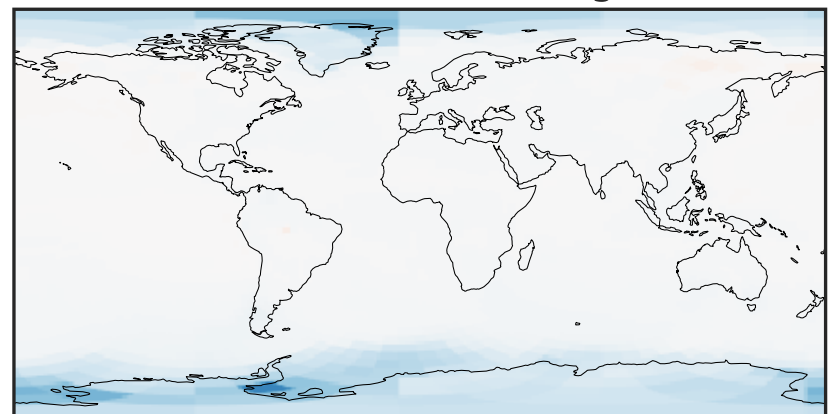
-0.0015 0.0000 0.0015
µg/m3

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



0.95464 0.97732 1.00000 1.02376 1.04751
unitless

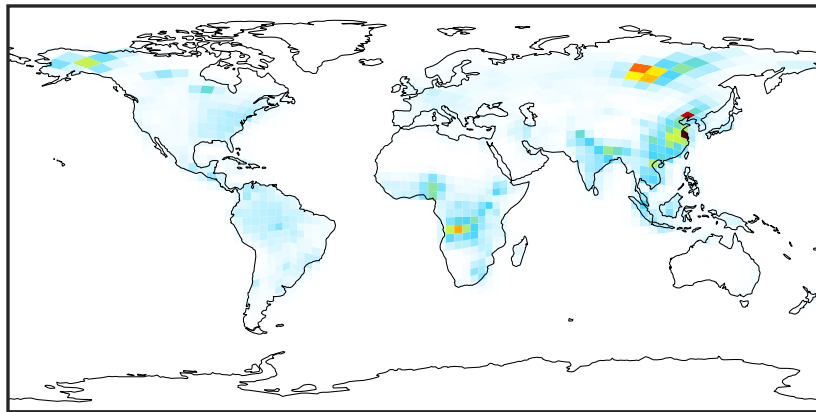
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

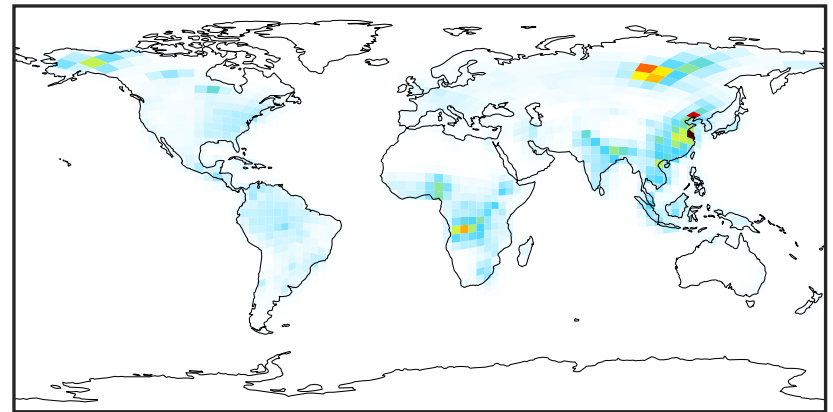
SpeciesConcVV_SOAP (Jul2019)

14.2.0-rc.2 (Ref)
c24



0.00 4.12 8.23 12.35 16.47
µg/m3

14.3.0-rc.0 (Dev)
c24



0.00 4.12 8.23 12.35 16.47
µg/m3

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



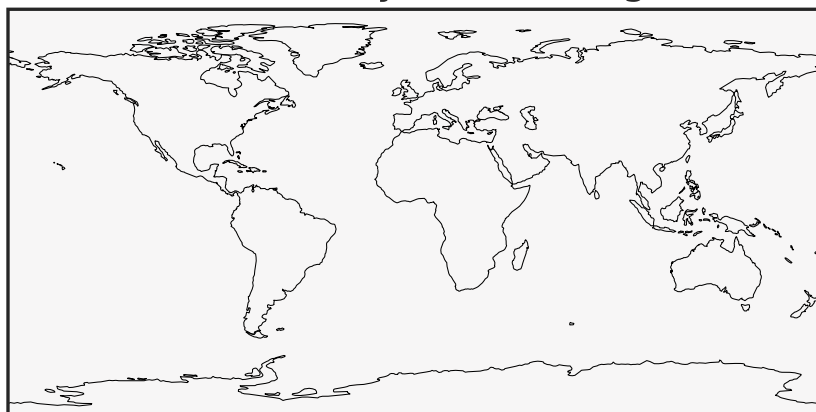
Zero throughout domain
µg/m3

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



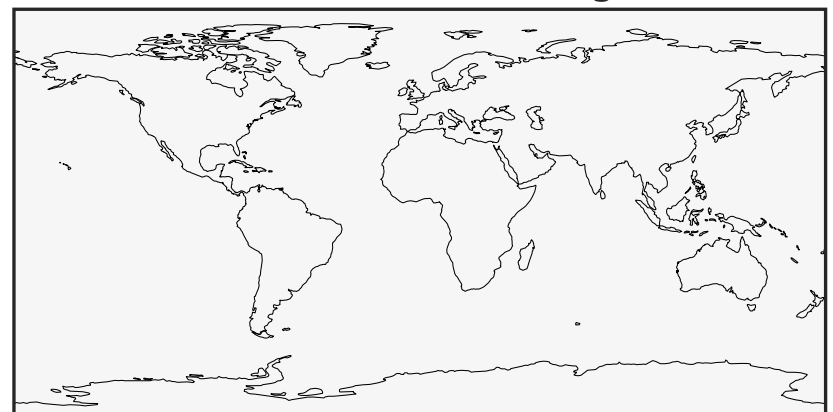
Zero throughout domain
µg/m3

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



Ref and Dev equal throughout domain
unitless

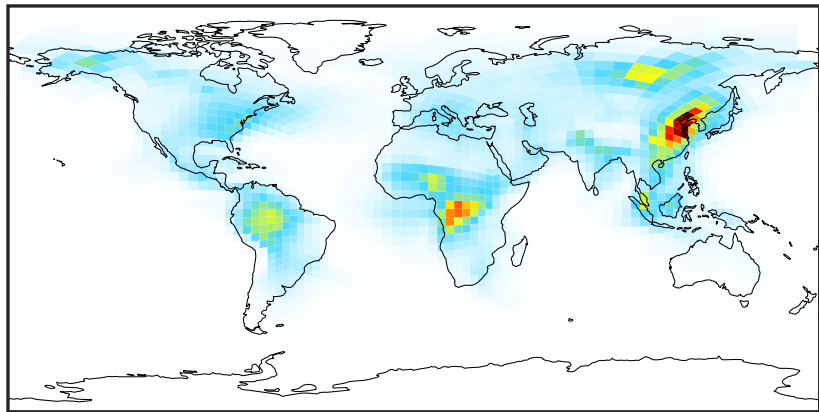
Ratio (1x1.25)
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

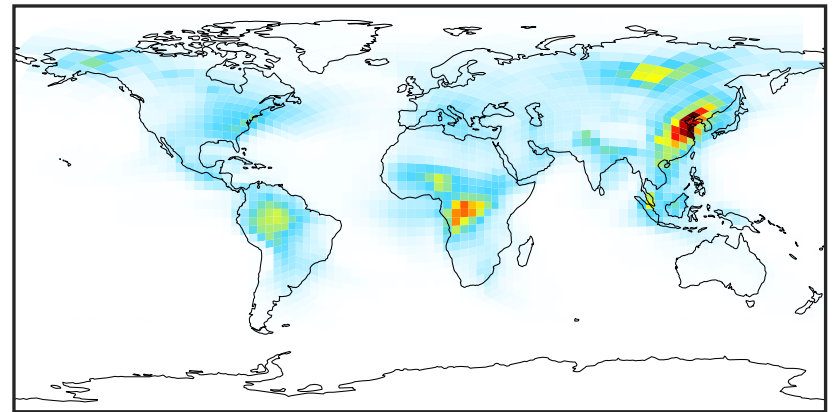
SpeciesConcVW_SOAS (Jul2019)

14.2.0-rc.2 (Ref)
c24



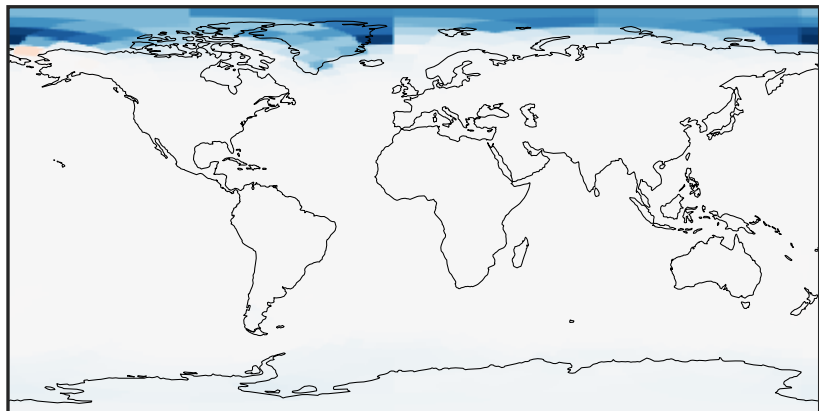
0.01 3.46 6.91 10.36 13.82
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



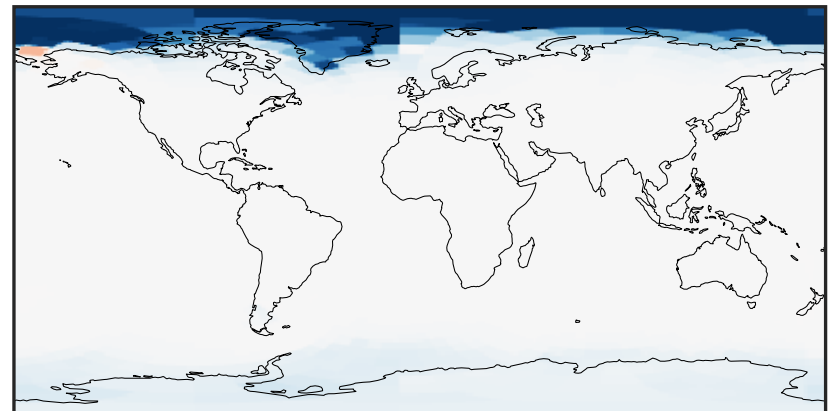
0.01 3.46 6.91 10.36 13.82
 $\mu\text{g}/\text{m}^3$

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



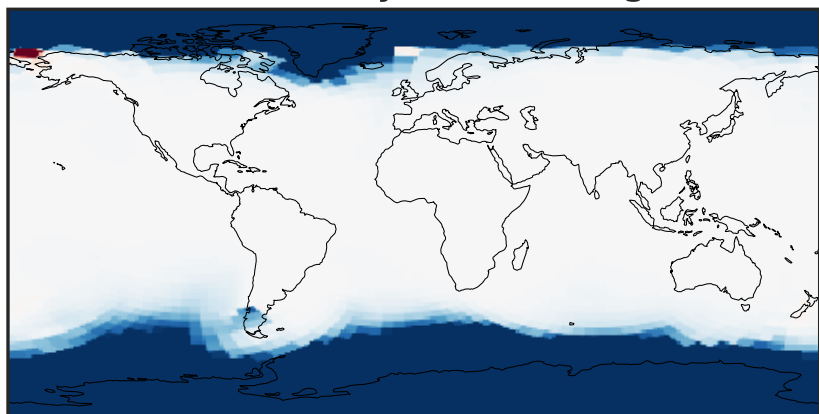
-0.015 0.000 0.015
 $\mu\text{g}/\text{m}^3$

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



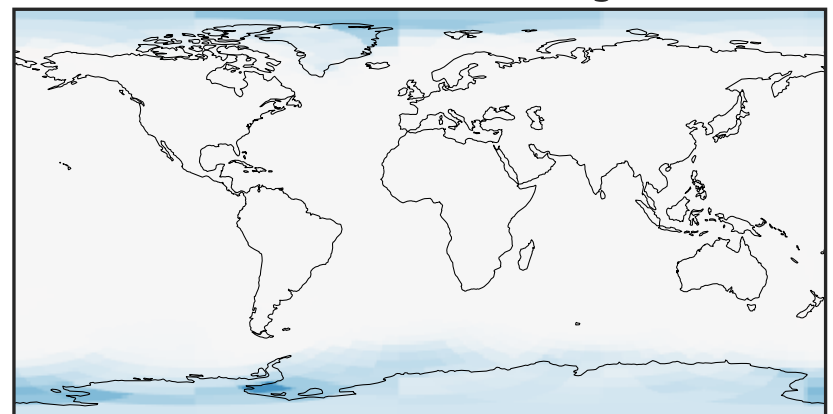
-0.008 0.000 0.008
 $\mu\text{g}/\text{m}^3$

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



0.99198 0.99599 1.00000 1.00404 1.00809
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless