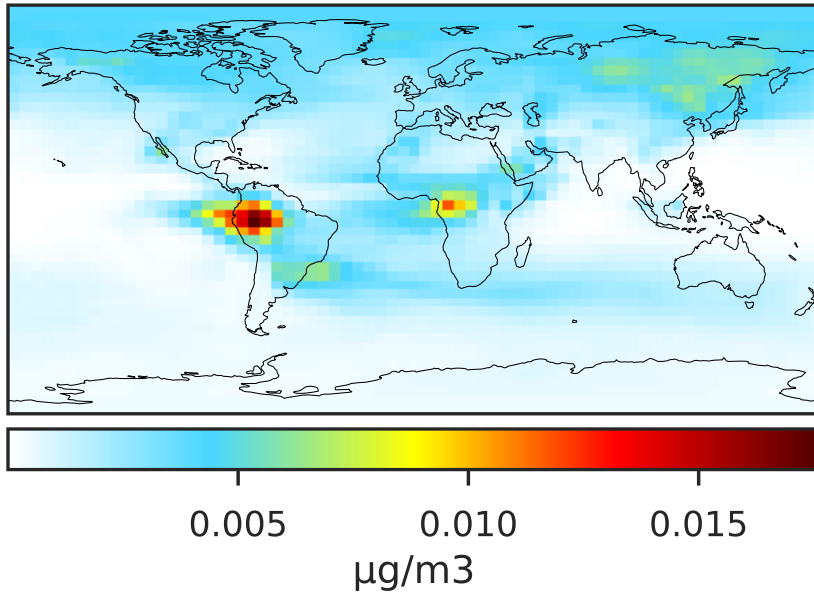
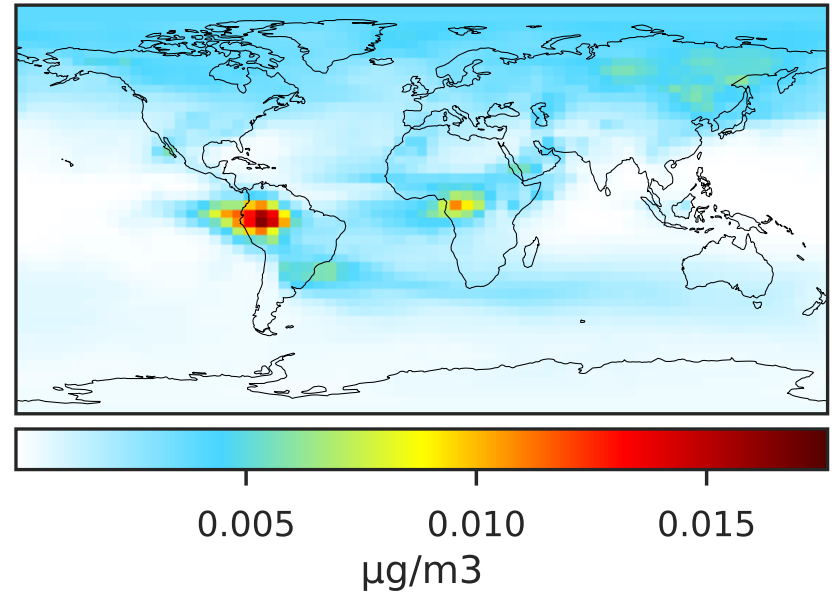


SpeciesConcVV_TSOA0 (Jul2019)

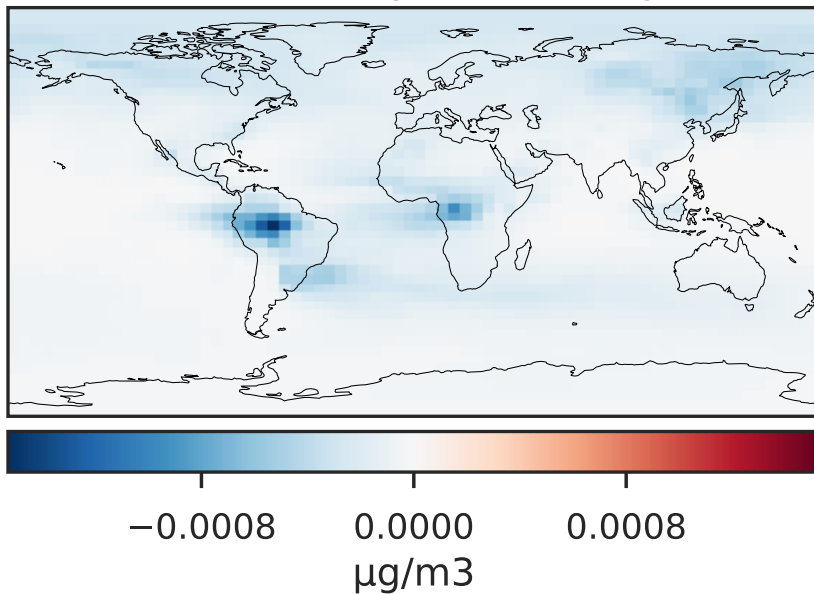
14.2.0-rc.2 (Ref)
4.0x5.0



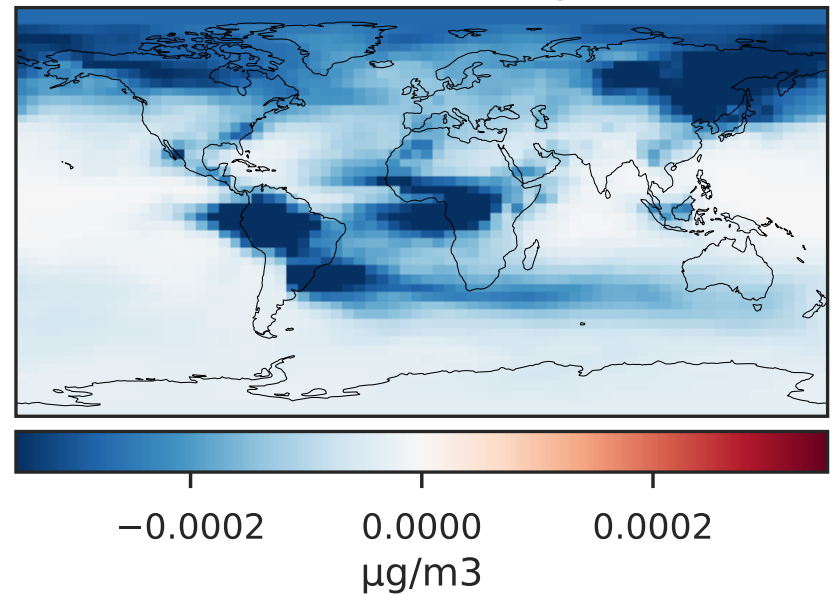
14.3.0-rc.0 (Dev)
4.0x5.0



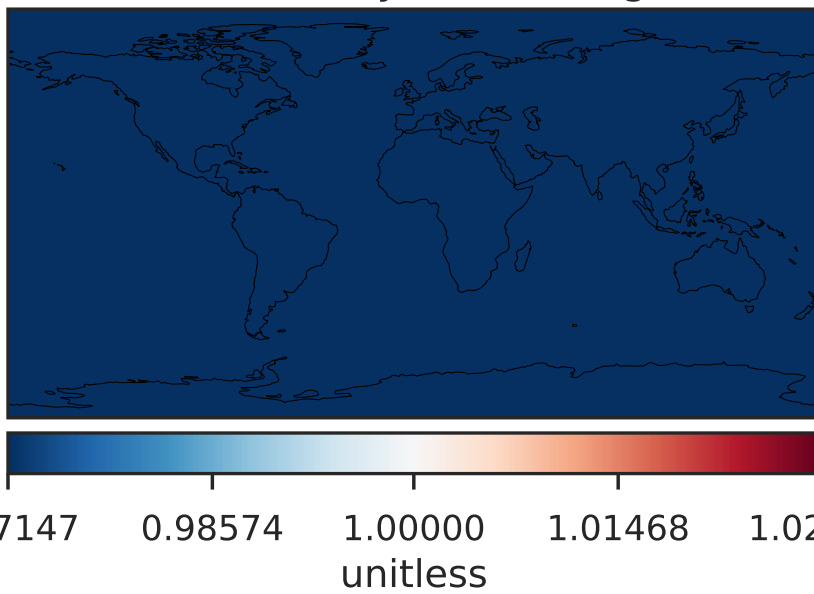
Difference
Dev - Ref, Dynamic Range



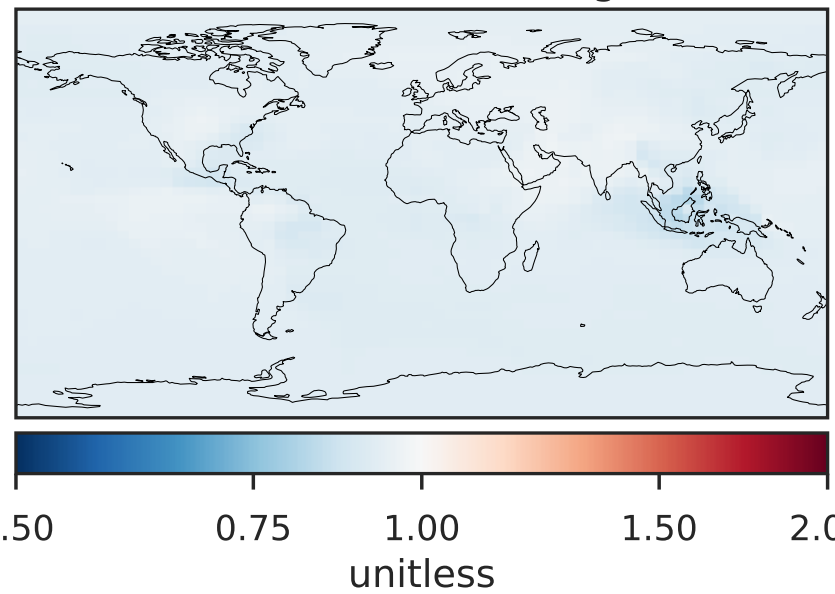
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

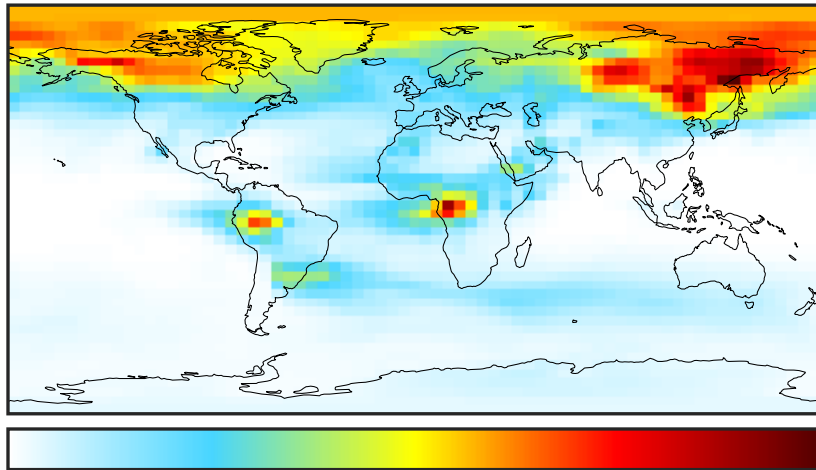


Ratio
Dev/Ref, Fixed Range



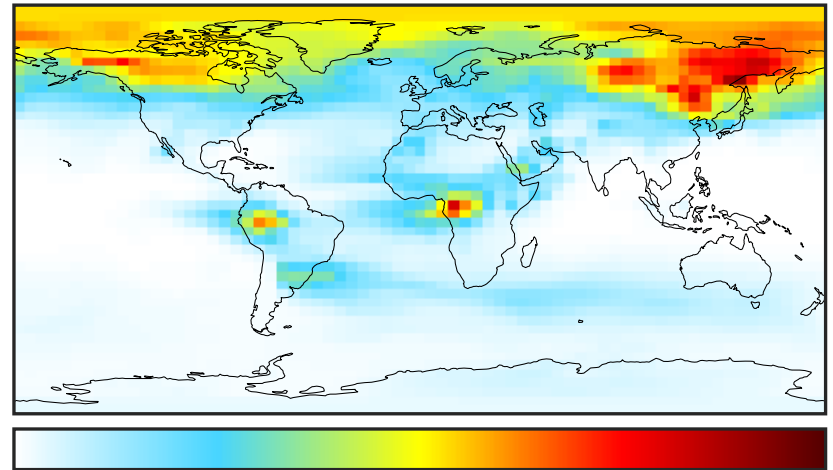
SpeciesConcVV_TSOA1 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



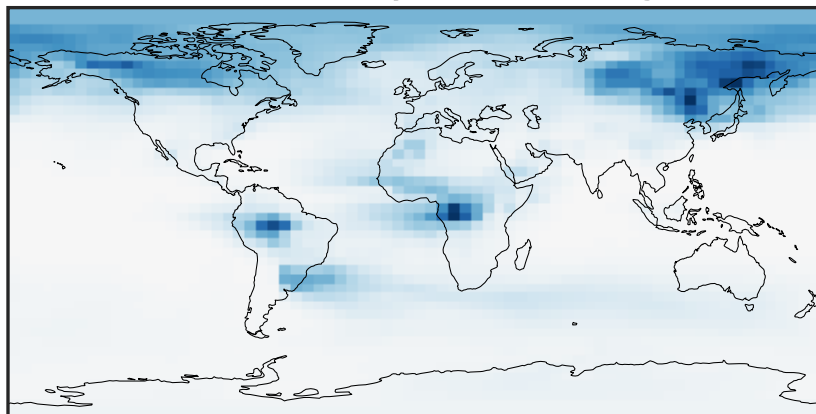
0.0015 0.0030
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
4.0x5.0



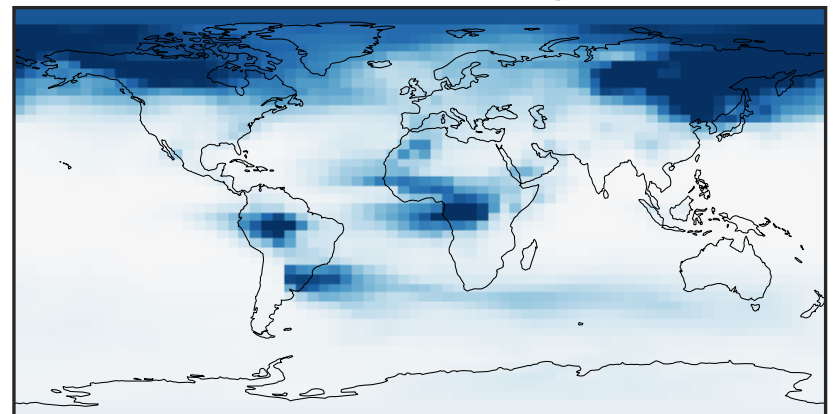
0.0015 0.0030
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



-0.0002 0.0000 0.0002
 $\mu\text{g}/\text{m}^3$

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



-0.0001 0.0000 0.0001
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



0.95879 0.97940 1.00000 1.02149 1.04298
unitless

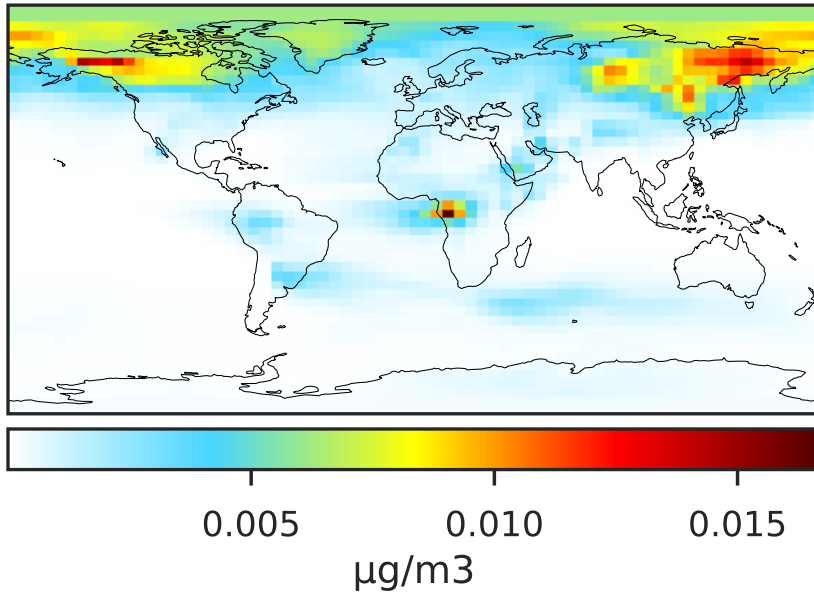
Ratio
Dev/Ref, Fixed Range



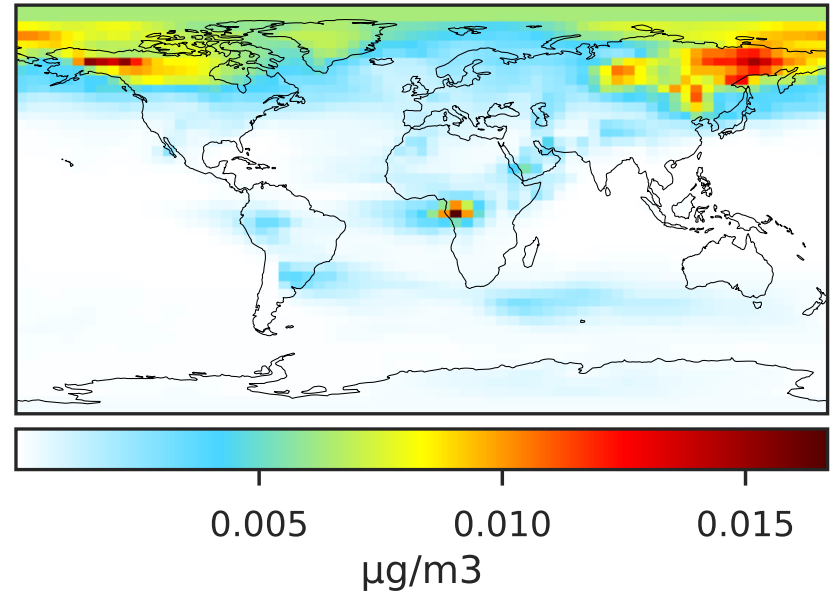
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_TSOA2 (Jul2019)

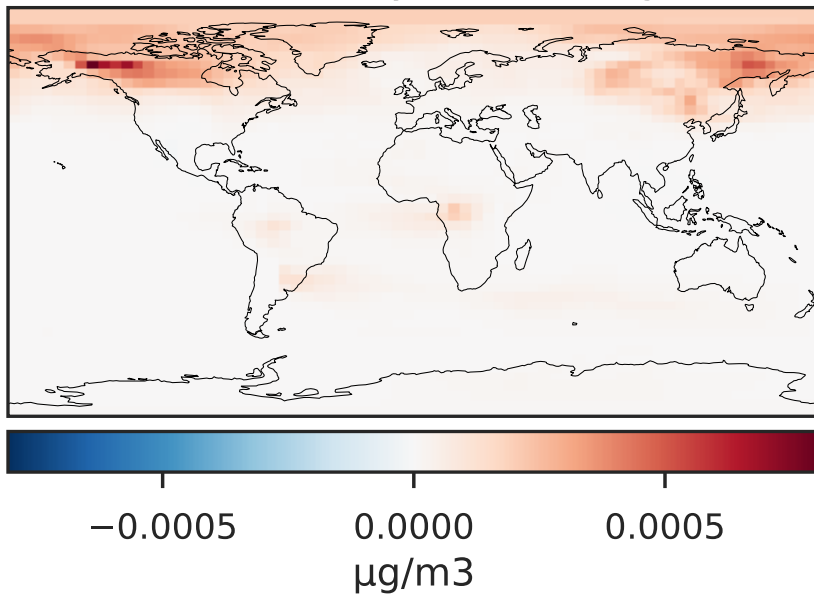
14.2.0-rc.2 (Ref)
4.0x5.0



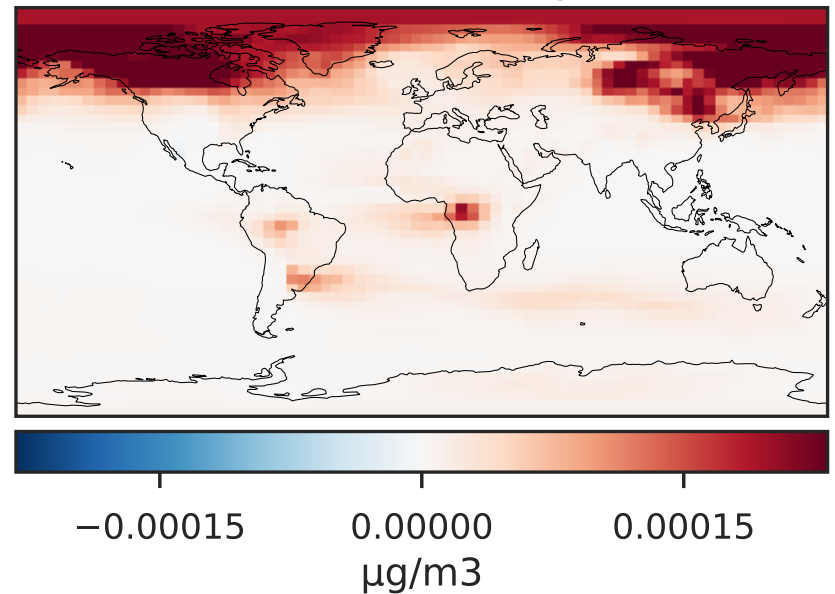
14.3.0-rc.0 (Dev)
4.0x5.0



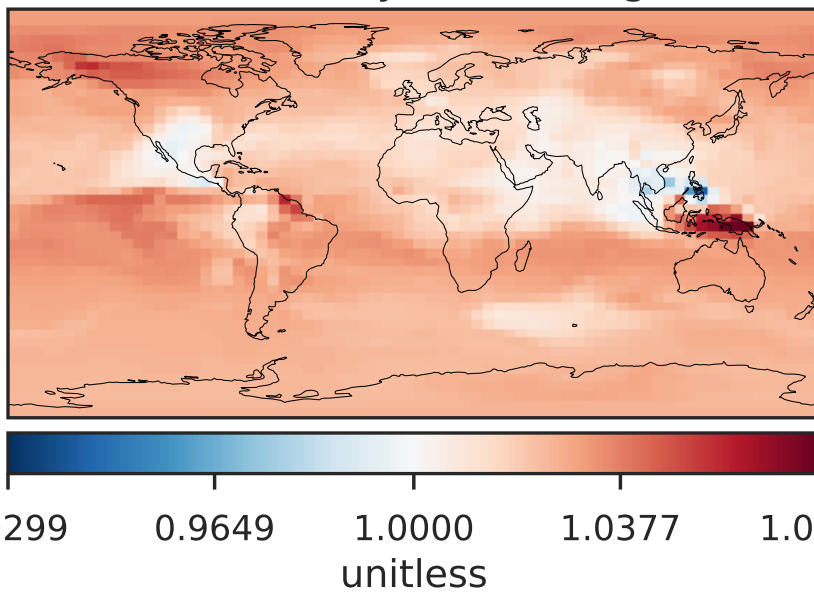
Difference
Dev - Ref, Dynamic Range



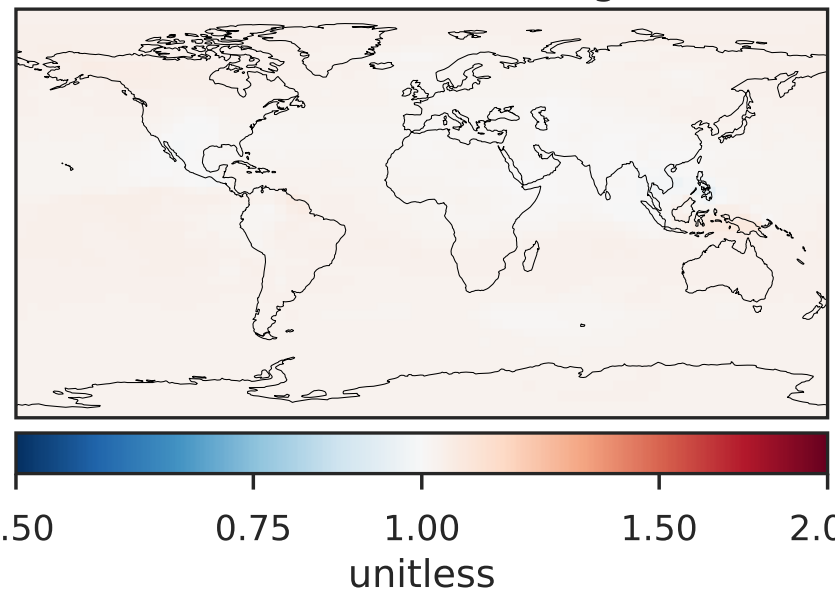
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

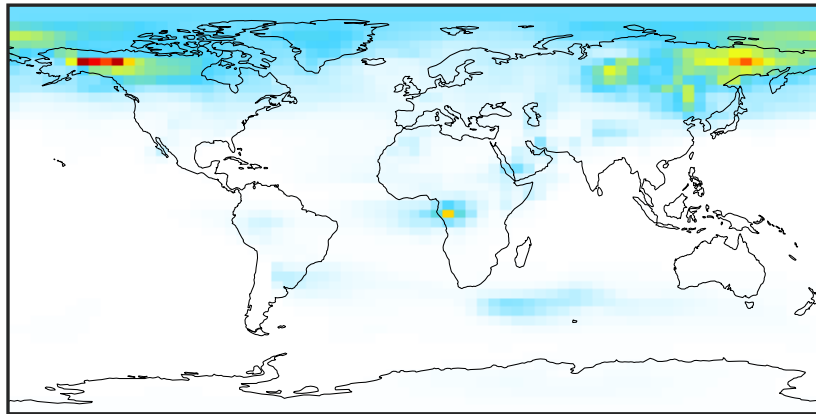


Ratio
Dev/Ref, Fixed Range



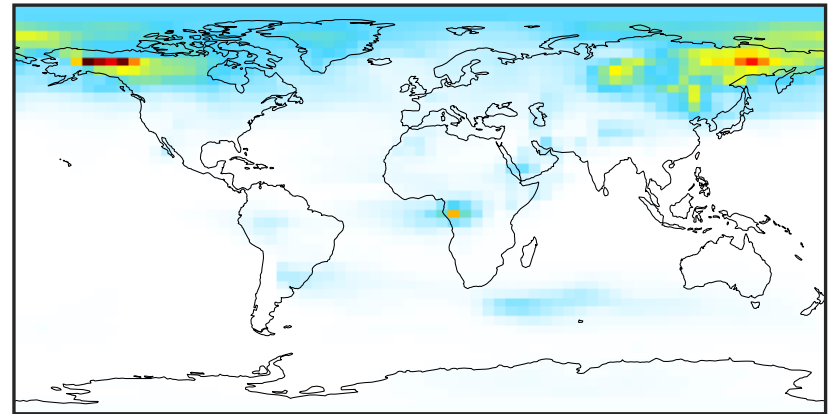
SpeciesConcVV_TSOA3 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



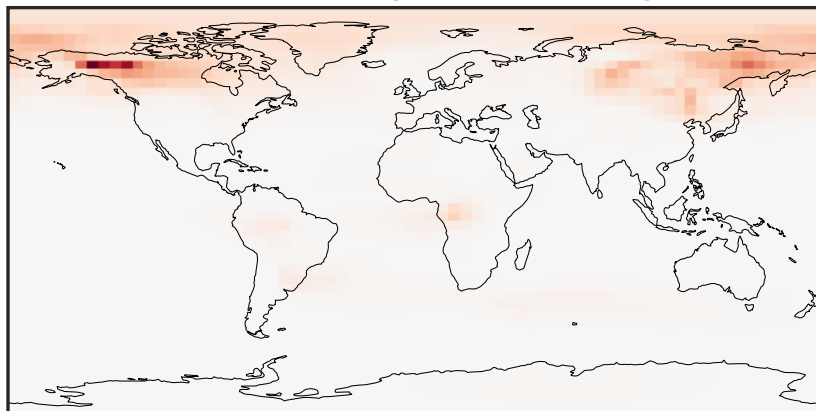
0.002 0.004 0.006
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
4.0x5.0



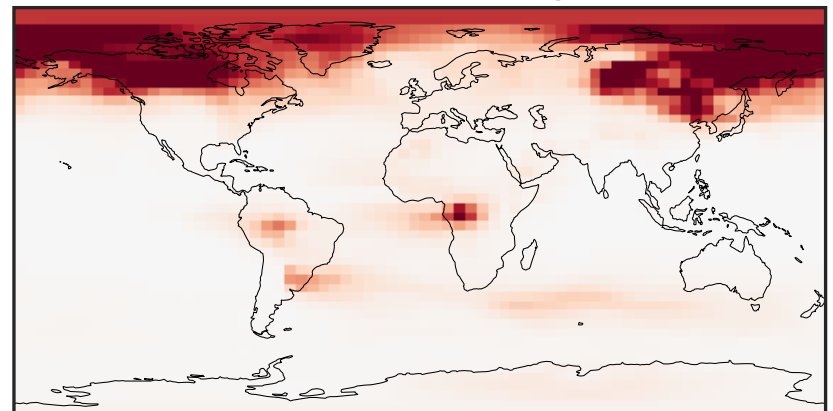
0.002 0.004 0.006
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



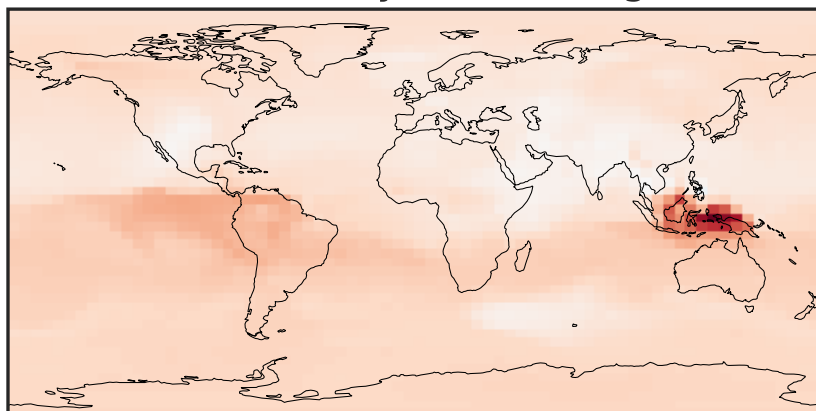
-0.0006 0.0000 0.0006
 $\mu\text{g}/\text{m}^3$

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



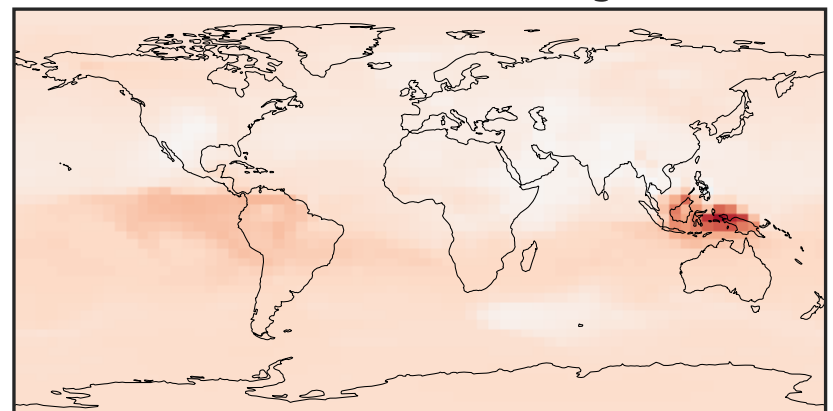
-0.0001 0.0000 0.0001
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



0.561 0.781 1.000 1.391 1.782
unitless

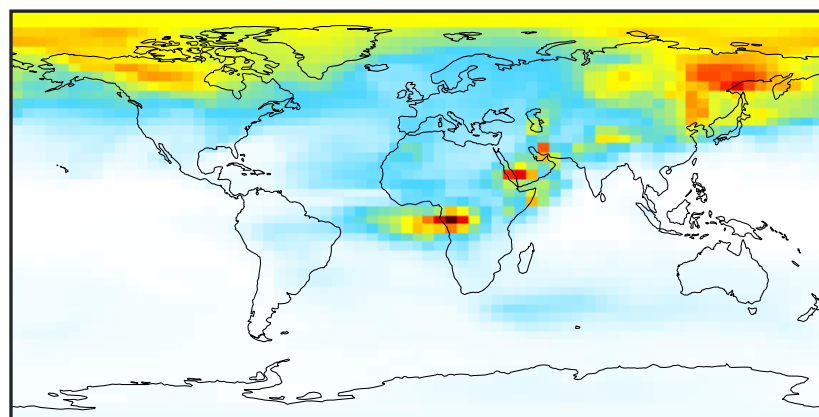
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

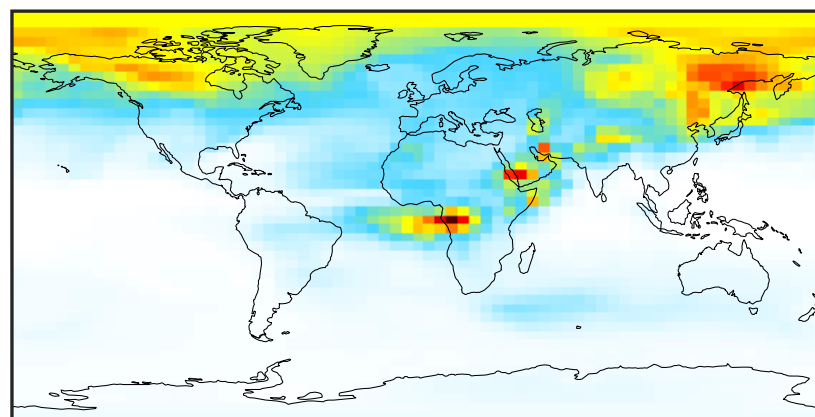
SpeciesConcVV_ASOA1 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



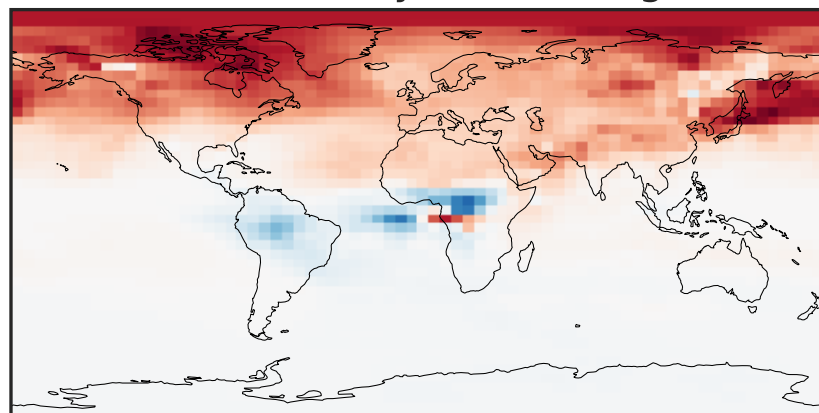
0.0008 0.0016 0.0024
μg/m³

14.3.0-rc.0 (Dev)
4.0x5.0



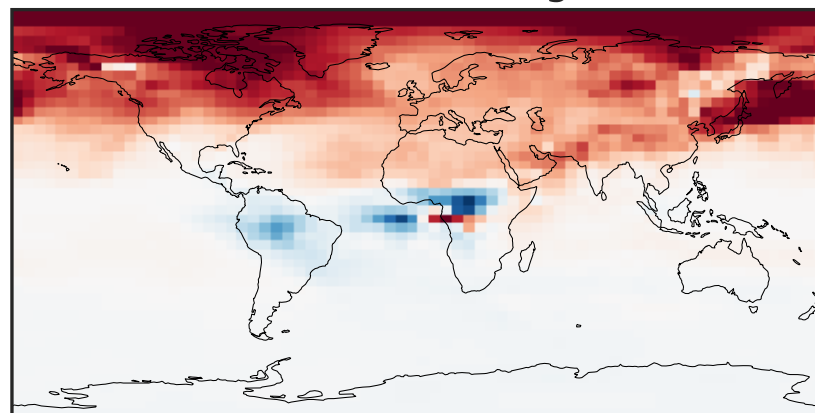
0.0008 0.0016 0.0024
μg/m³

Difference
Dev - Ref, Dynamic Range



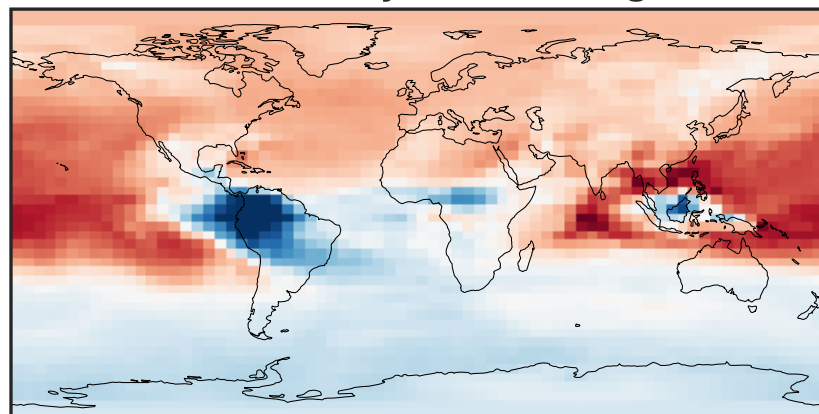
-6 0 6
μg/m³ 1e-6

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



-5 0 5
μg/m³ 1e-6

Ratio
Dev/Ref, Dynamic Range



0.97812 0.98906 1.00000 1.01119 1.02237
unitless

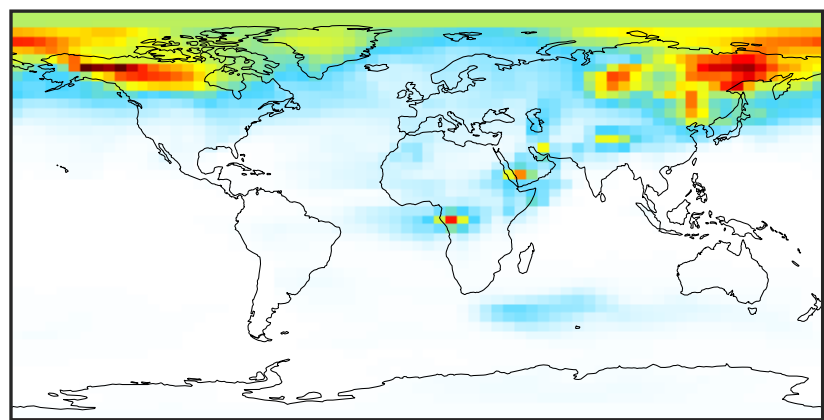
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

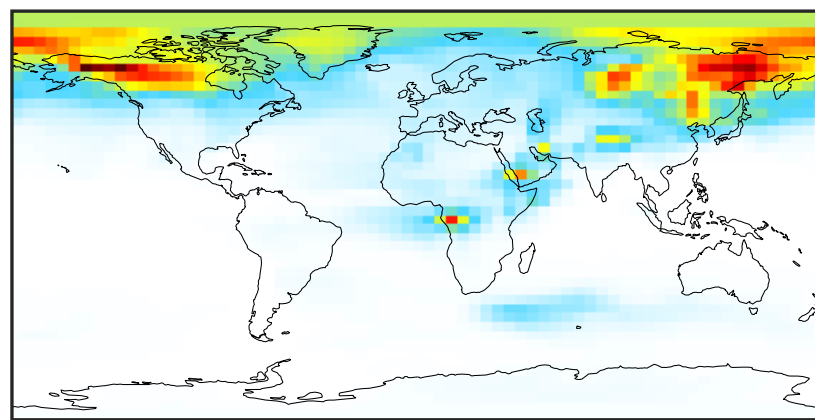
SpeciesConcVV_ASOA2 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



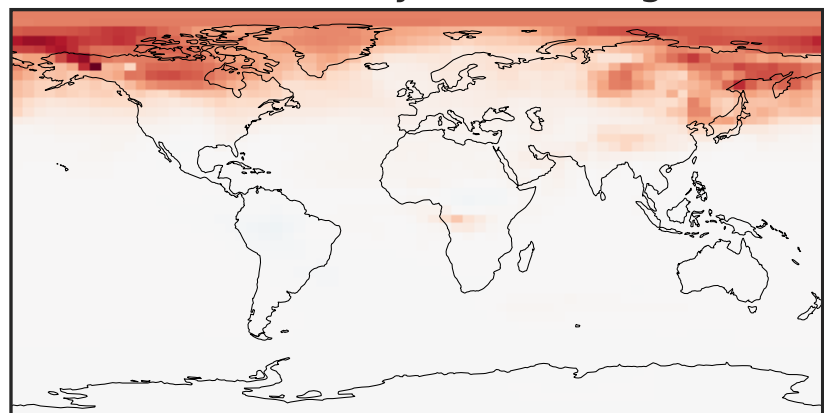
0.00025 0.00050 0.00075
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
4.0x5.0



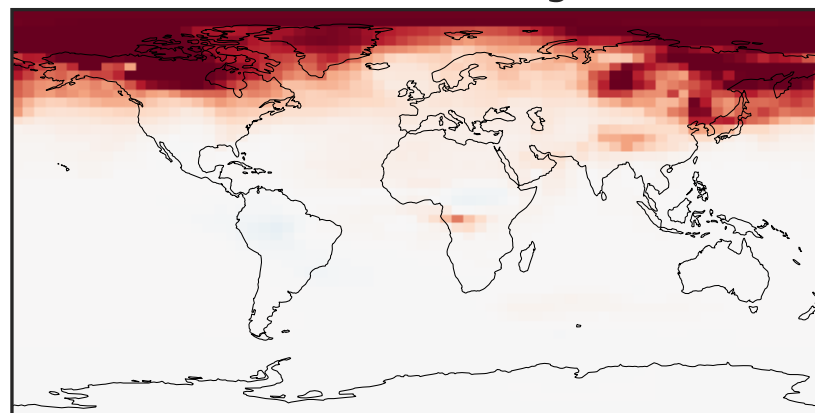
0.00025 0.00050 0.00075
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



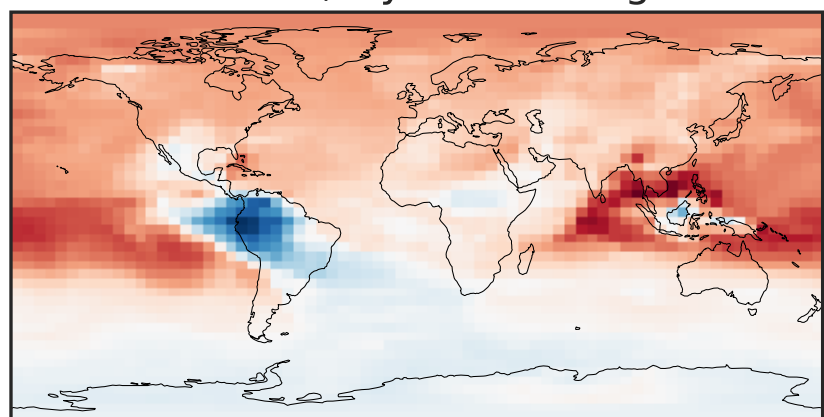
-5 0 5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

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



-2.5 0.0 2.5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

Ratio
Dev/Ref, Dynamic Range



0.97008 0.98504 1.00000 1.01542 1.03084
unitless

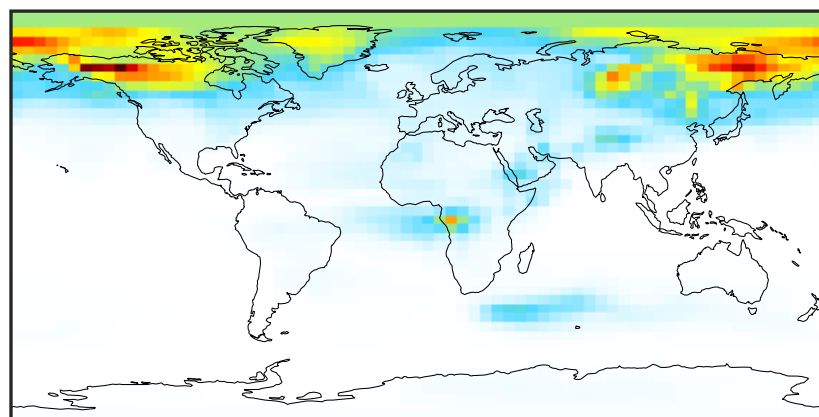
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

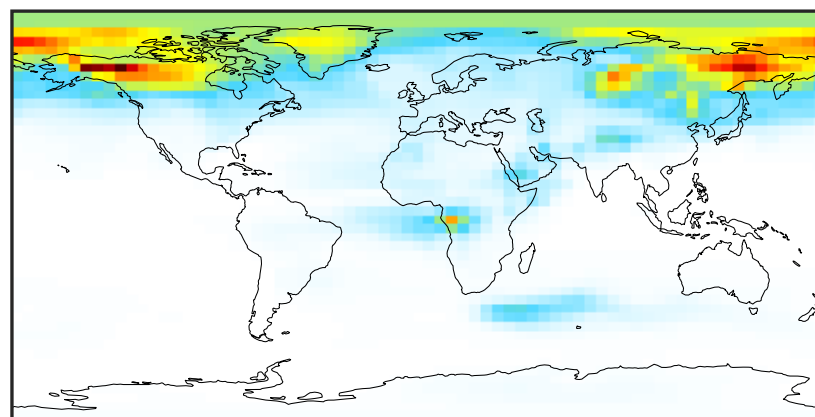
SpeciesConcVV_ASOA3 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



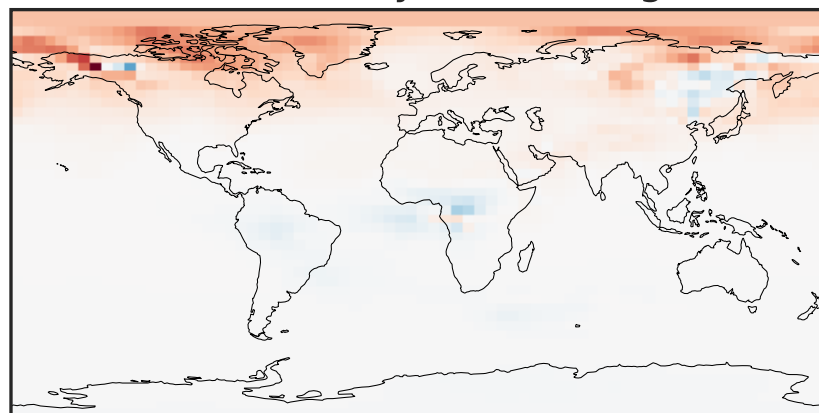
0.0004 0.0008 0.0012
μg/m³

14.3.0-rc.0 (Dev)
4.0x5.0



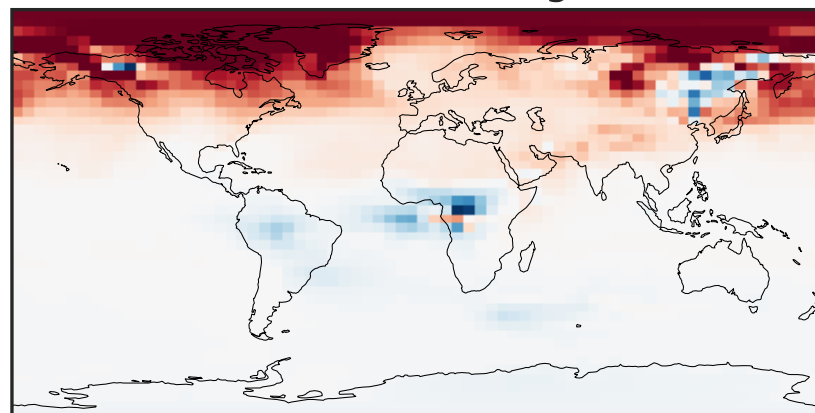
0.0004 0.0008 0.0012
μg/m³

Difference
Dev - Ref, Dynamic Range



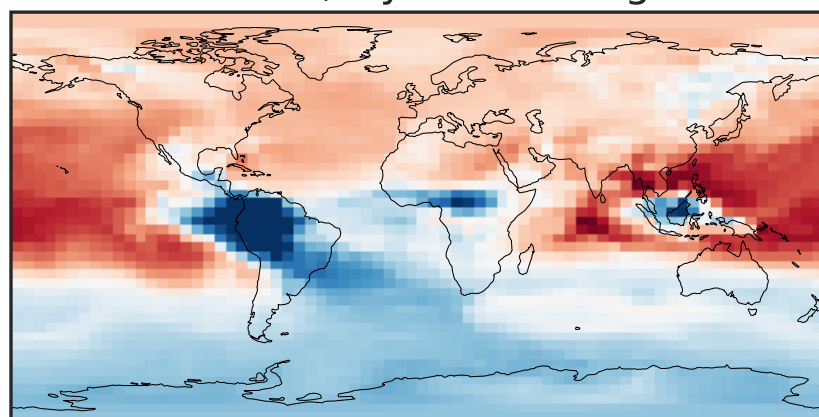
-6 0 6
μg/m³ 1e-6

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



-2 0 2
μg/m³ 1e-6

Ratio
Dev/Ref, Dynamic Range



0.97892 0.98946 1.00000 1.01077 1.02153
unitless

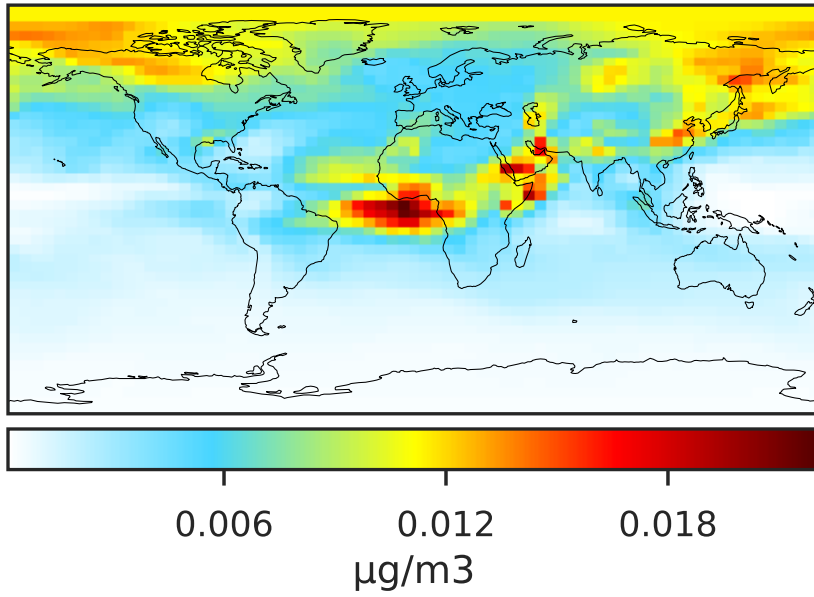
Ratio
Dev/Ref, Fixed Range



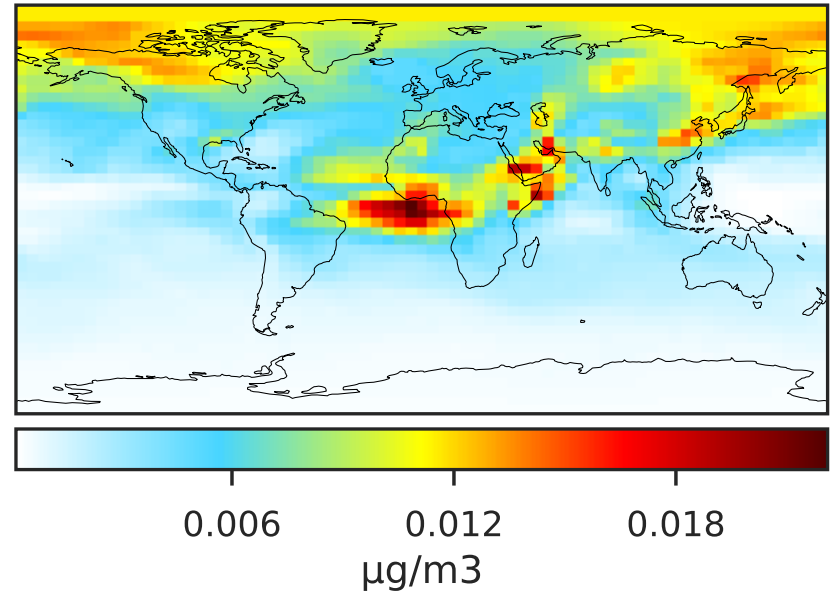
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ASOAN (Jul2019)

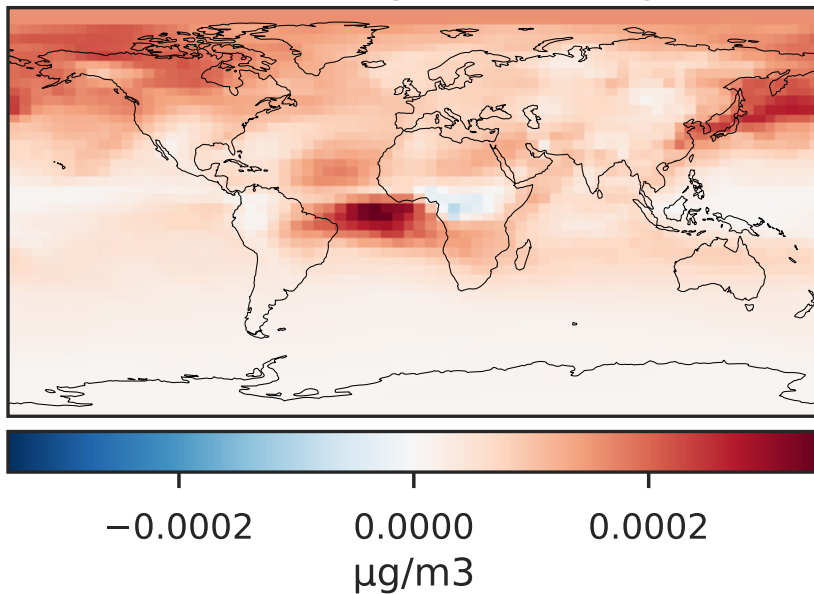
14.2.0-rc.2 (Ref)
4.0x5.0



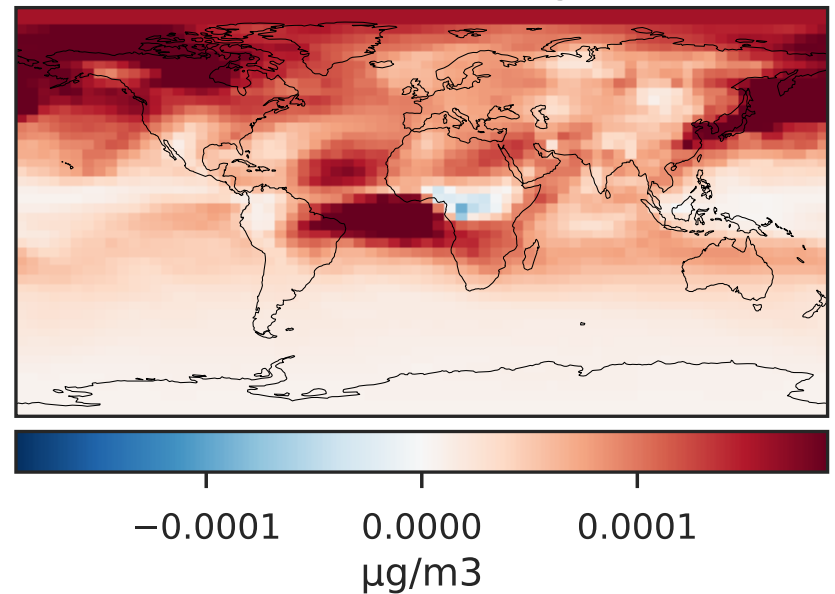
14.3.0-rc.0 (Dev)
4.0x5.0



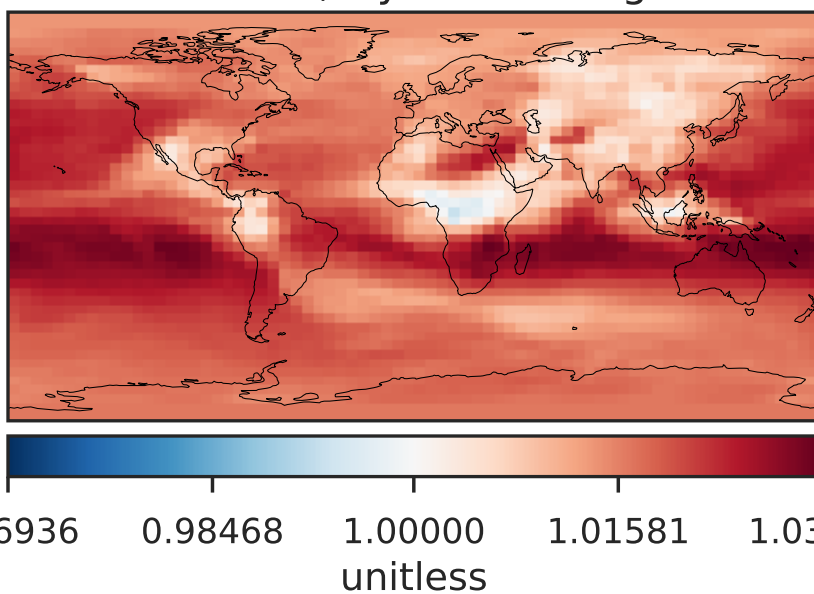
Difference
Dev - Ref, Dynamic Range



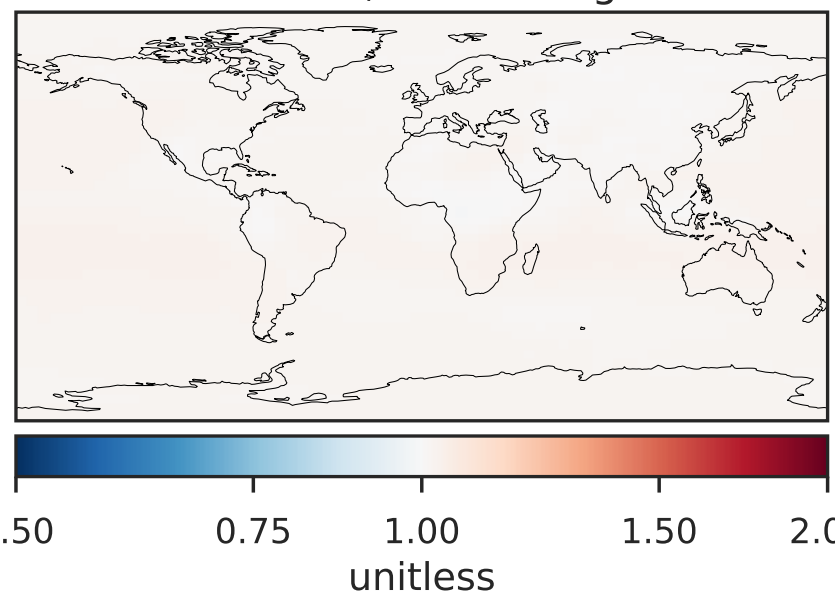
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

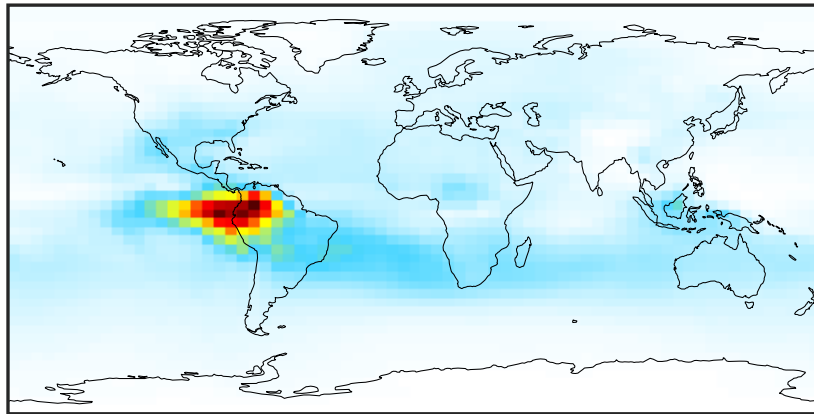


Ratio
Dev/Ref, Fixed Range



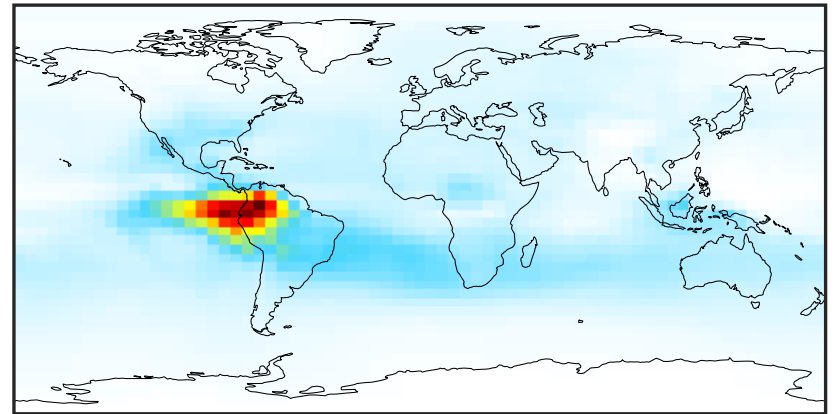
SpeciesConcVV_TSOG0 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



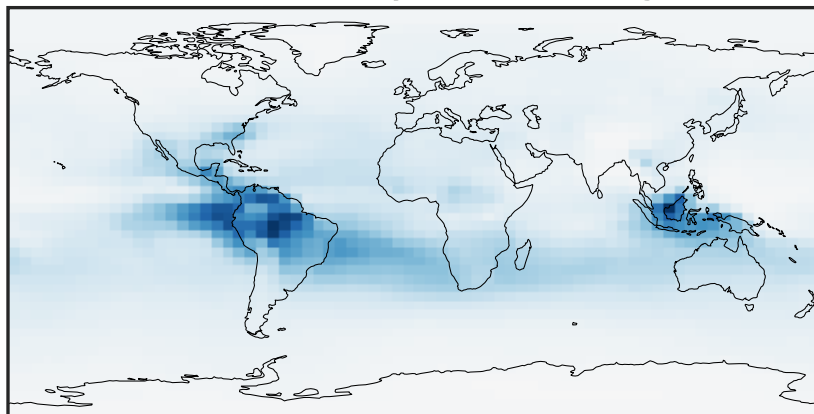
0.0025 0.0050 0.0075
µg/m³

14.3.0-rc.0 (Dev)
4.0x5.0



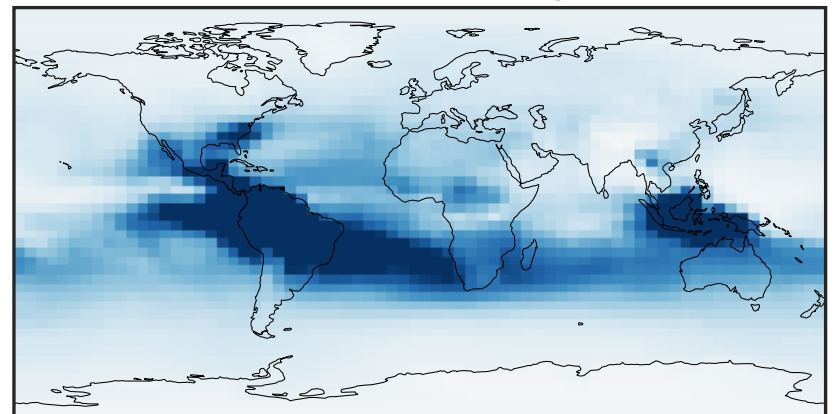
0.0025 0.0050 0.0075
µg/m³

Difference
Dev - Ref, Dynamic Range



-0.0002 0.0000 0.0002
µg/m³

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



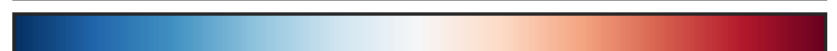
-8 0 8
µg/m³ 1e-5

Ratio
Dev/Ref, Dynamic Range



0.98312 0.99156 1.00000 1.00858 1.01716
unitless

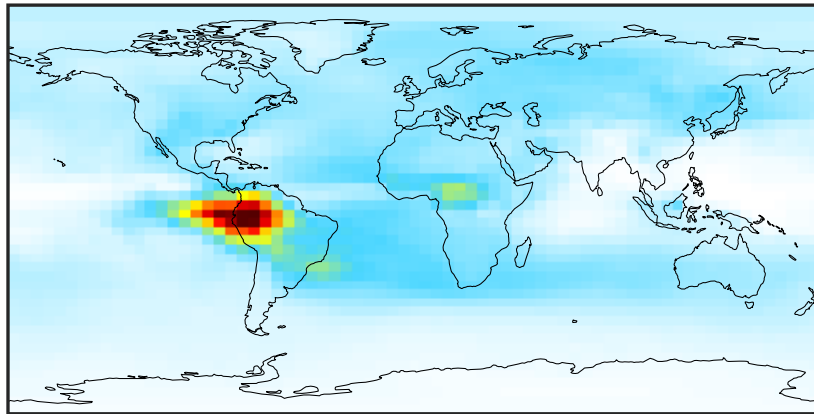
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

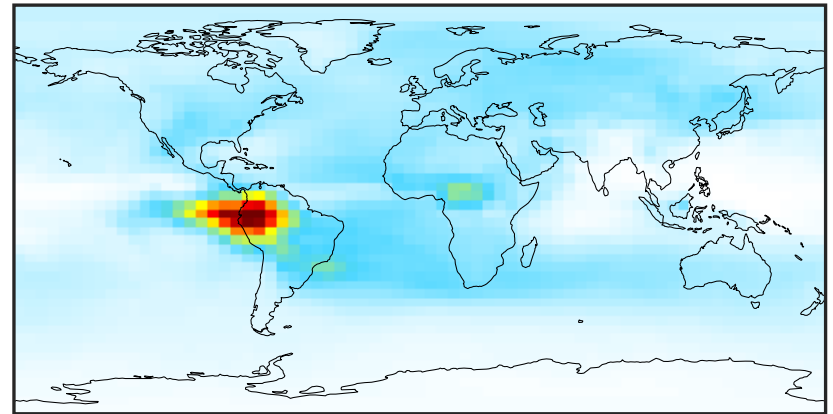
SpeciesConcVV_TSOG1 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



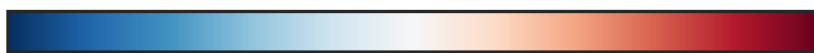
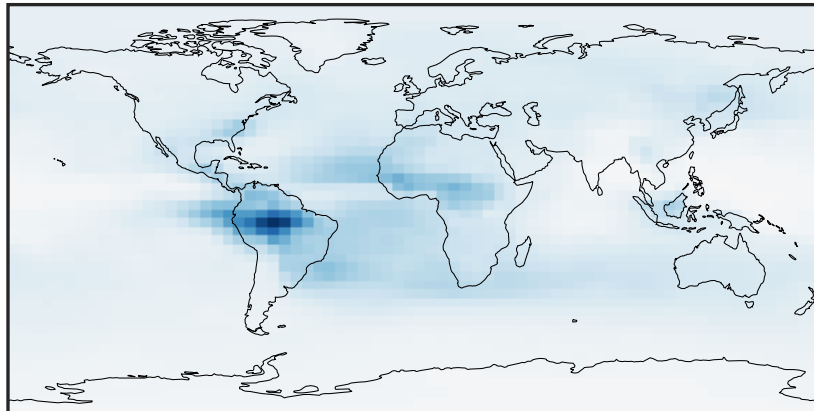
0.0025 0.0050 0.0075
μg/m3

14.3.0-rc.0 (Dev)
4.0x5.0



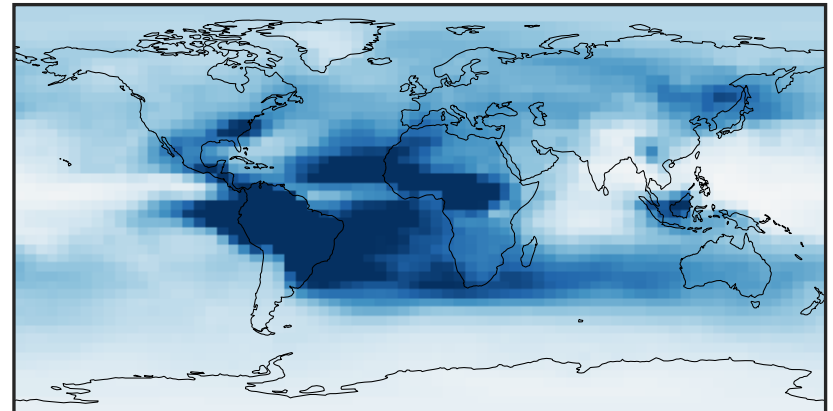
0.0025 0.0050 0.0075
μg/m3

Difference
Dev - Ref, Dynamic Range



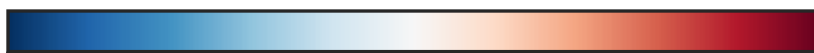
-0.0004 0.0000 0.0004
μg/m3

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



-0.0001 0.0000 0.0001
μg/m3

Ratio
Dev/Ref, Dynamic Range



0.96903 0.98451 1.00000 1.01598 1.03196
unitless

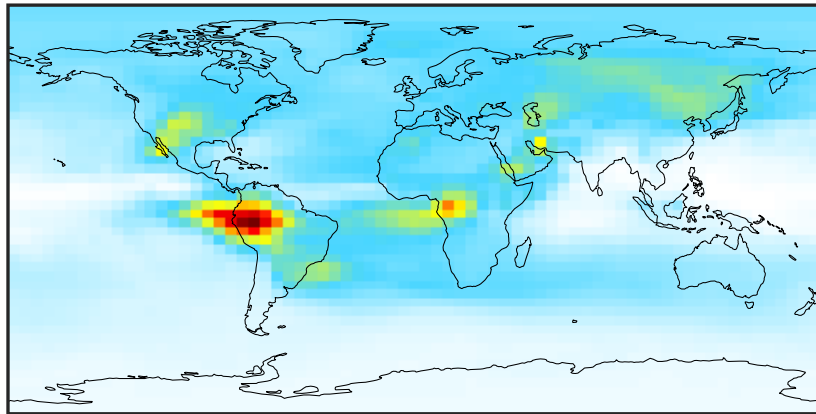
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

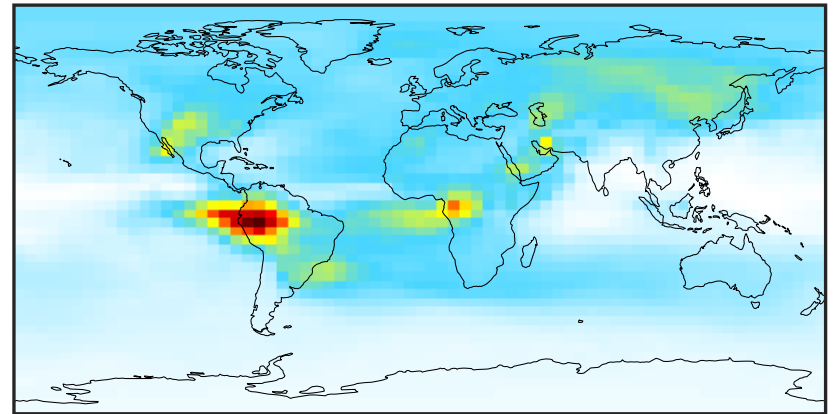
SpeciesConcVV_TSOG2 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



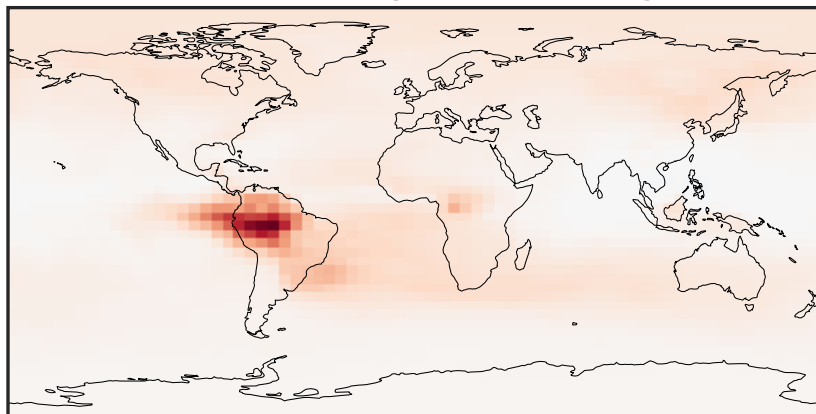
0.0004 0.0270 0.0535 0.0800 0.1066
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
4.0x5.0



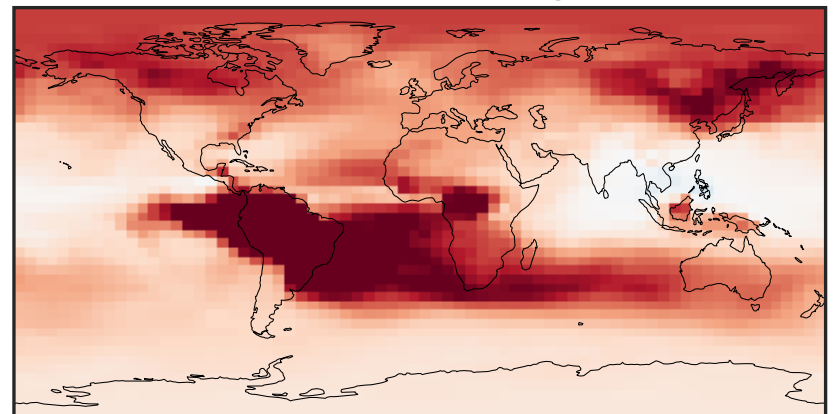
0.0004 0.0270 0.0535 0.0800 0.1066
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



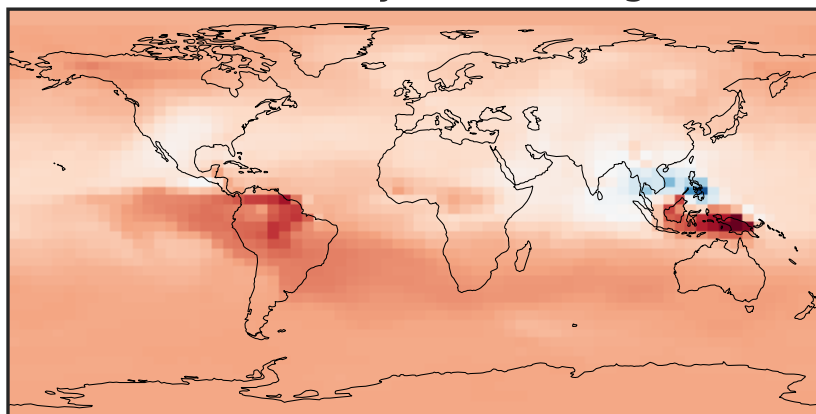
-0.003 0.000 0.003
 $\mu\text{g}/\text{m}^3$

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



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

Ratio
Dev/Ref, Dynamic Range



0.9199 0.9599 1.0000 1.0436 1.0871
unitless

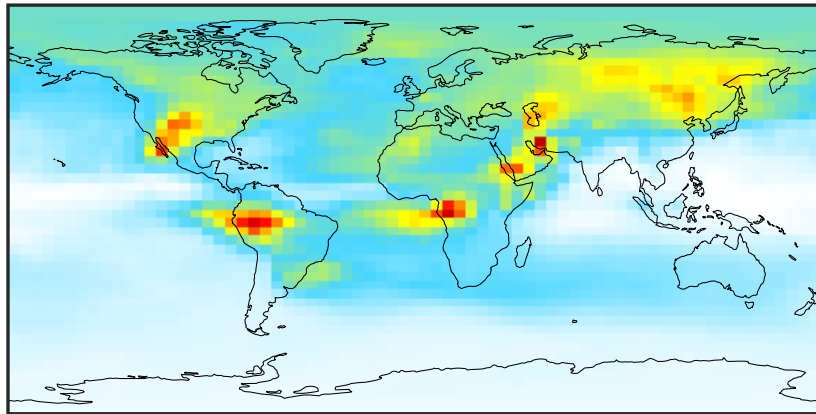
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

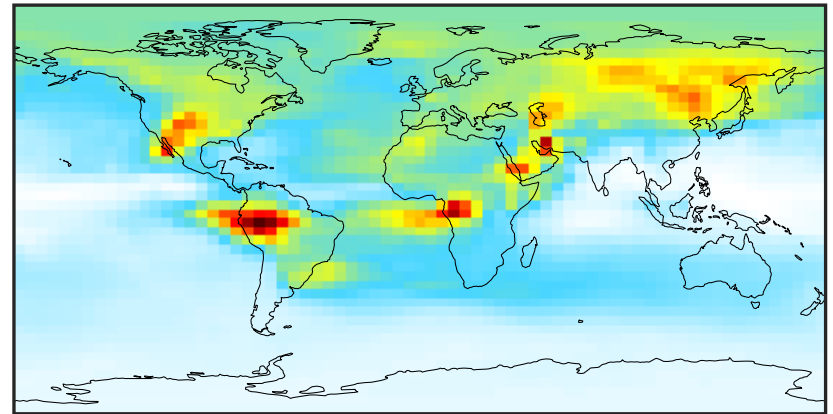
SpeciesConcVV_TSOG3 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



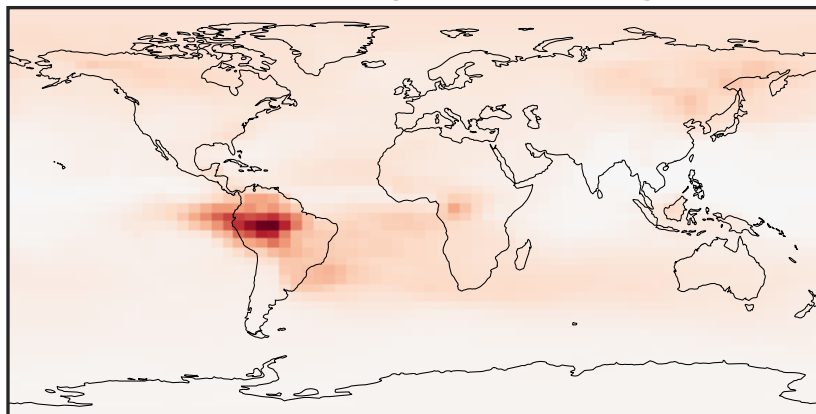
0.0008 0.0393 0.0778 0.1163 0.1548
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
4.0x5.0



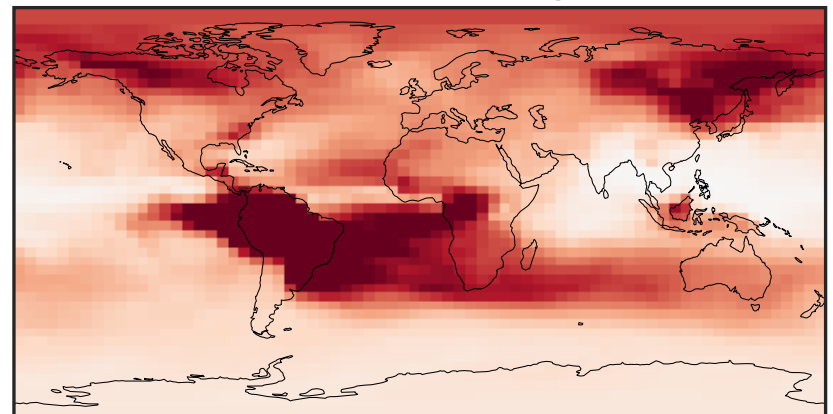
0.0008 0.0393 0.0778 0.1163 0.1548
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



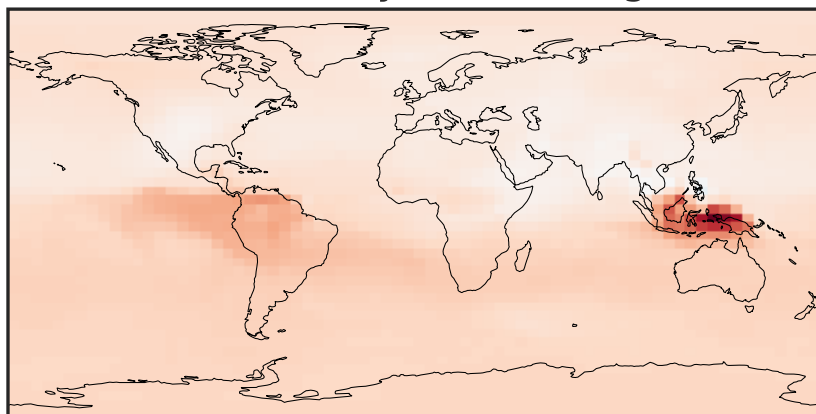
-0.02 0.00 0.02
 $\mu\text{g}/\text{m}^3$

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



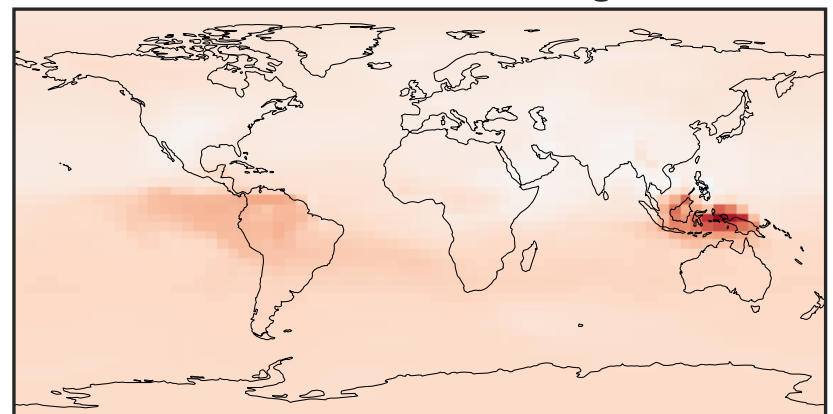
-0.004 0.000 0.004
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



0.540 0.770 1.000 1.426 1.851
unitless

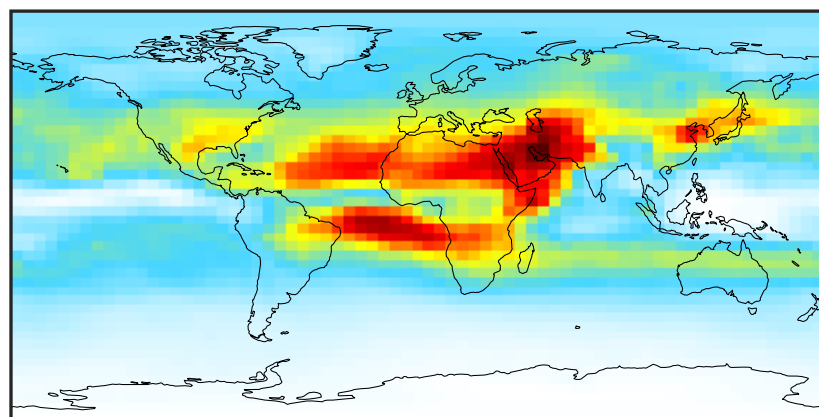
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

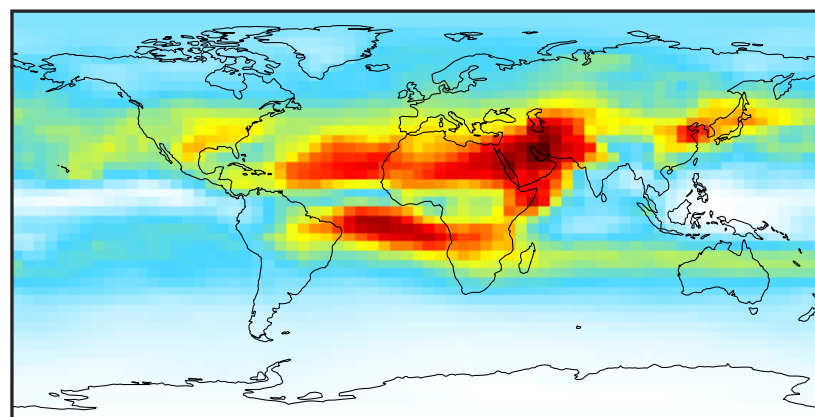
SpeciesConcVV_ASOG1 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



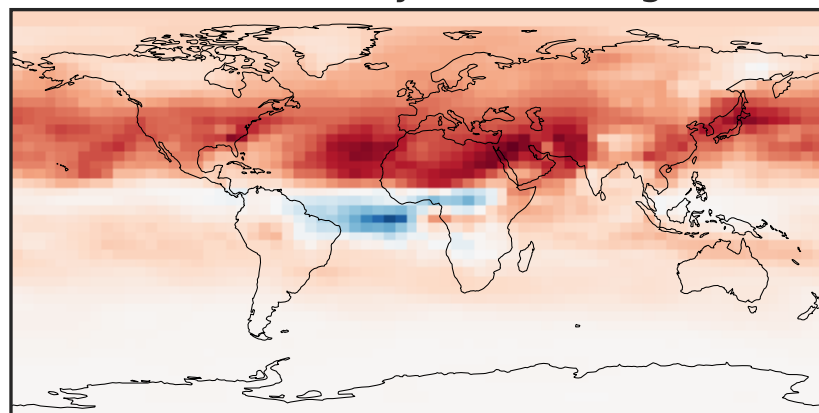
0.0008 0.0016 0.0024
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
4.0x5.0



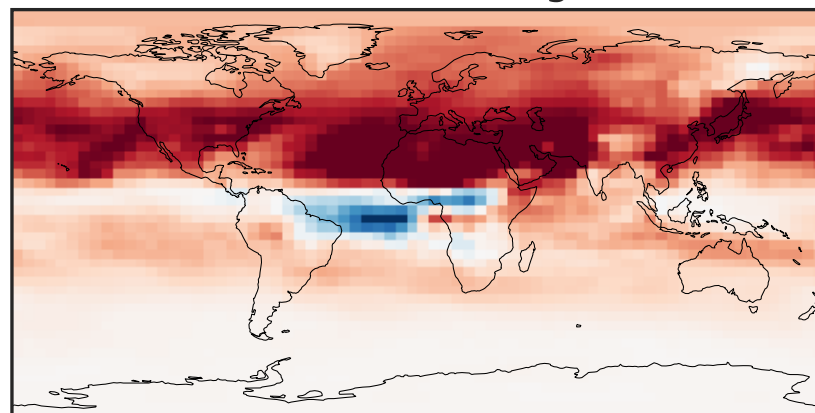
0.0008 0.0016 0.0024
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



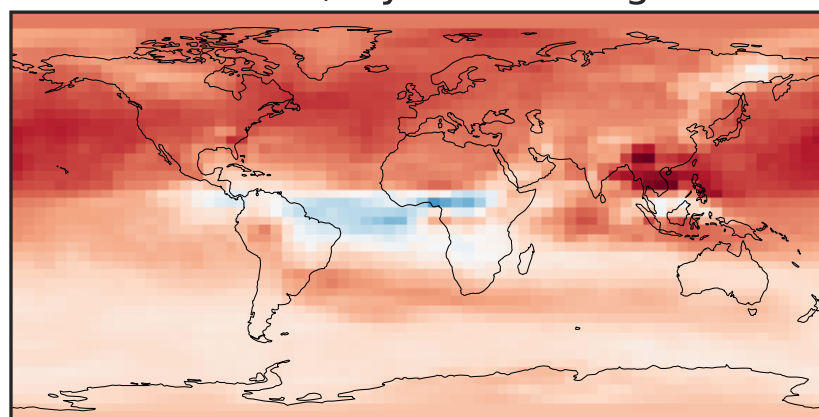
-1 0 1
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



-6 0 6
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

Ratio
Dev/Ref, Dynamic Range



0.98610 0.99305 1.00000 1.00705 1.01409
unitless

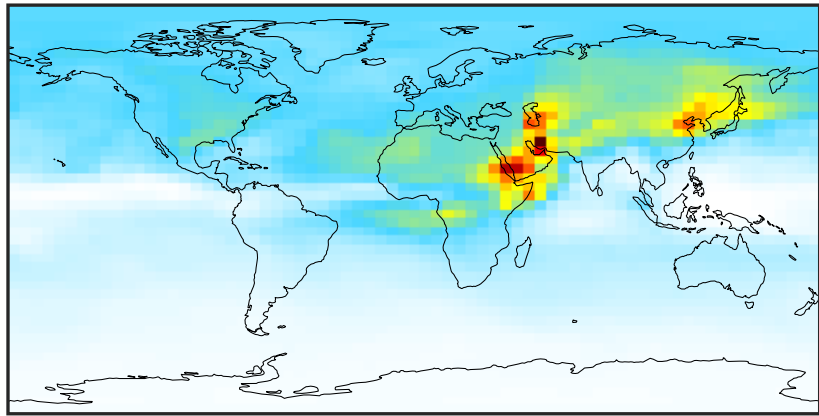
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

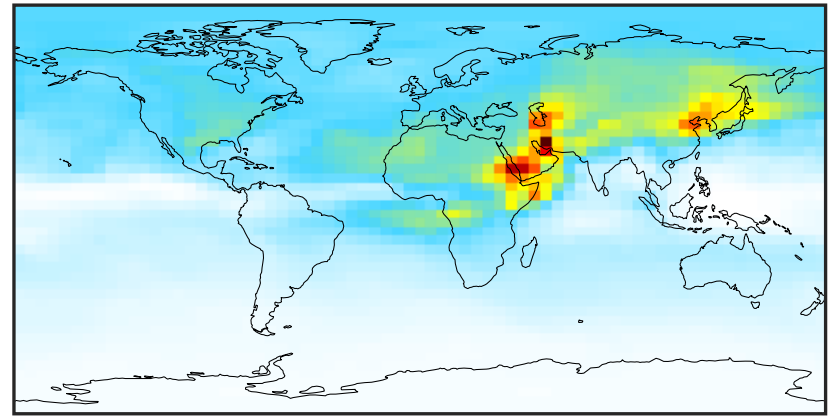
SpeciesConcVV_ASOG2 (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



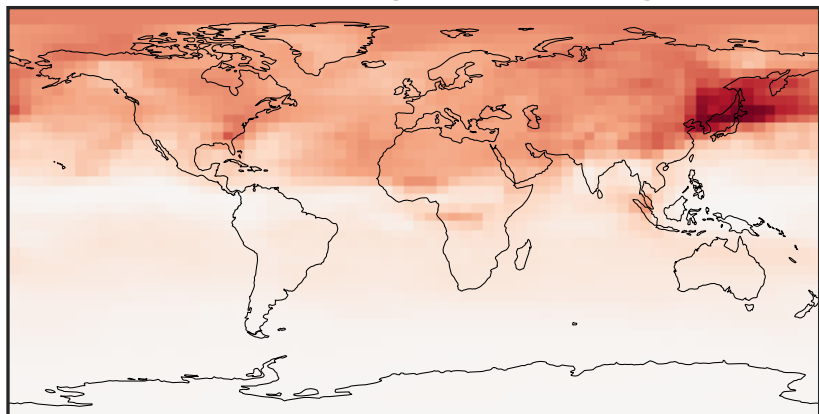
0.0015 0.0030 0.0045
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
4.0x5.0



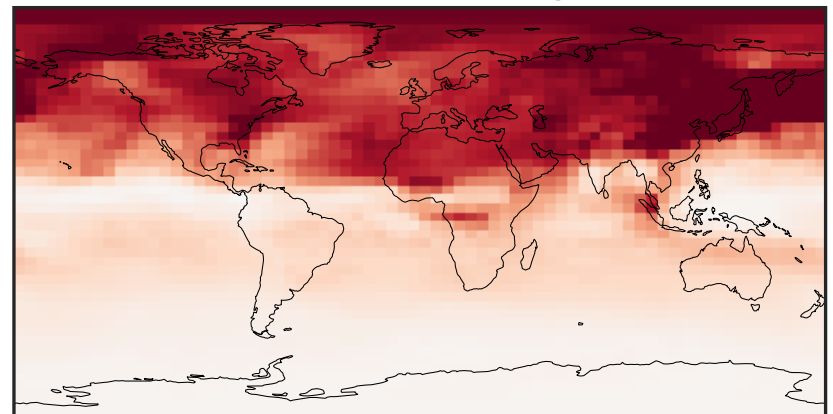
0.0015 0.0030 0.0045
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



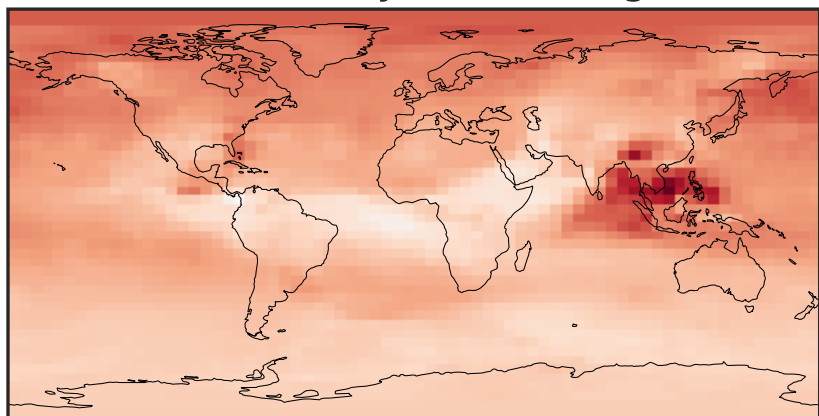
-2 0 2
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



-8 0 8
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

Ratio
Dev/Ref, Dynamic Range



0.97679 0.98840 1.00000 1.01188 1.02376
unitless

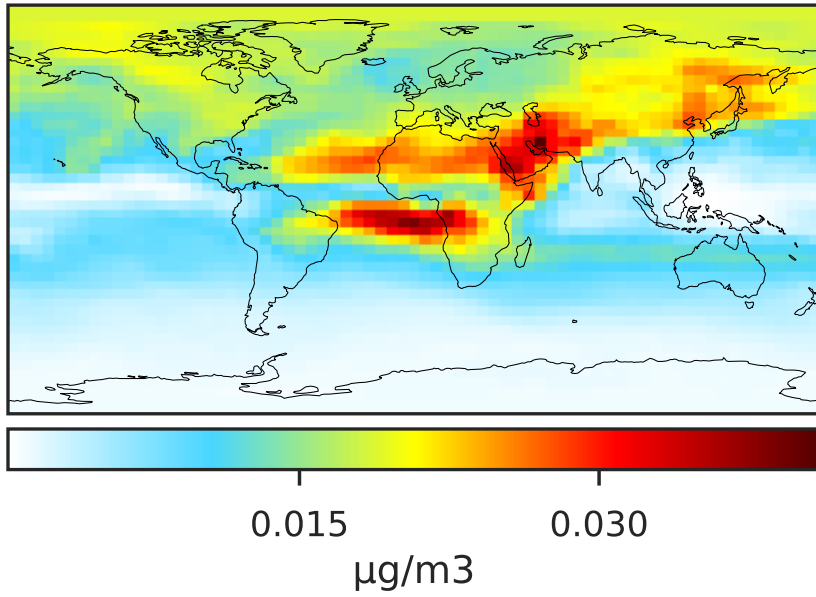
Ratio
Dev/Ref, Fixed Range



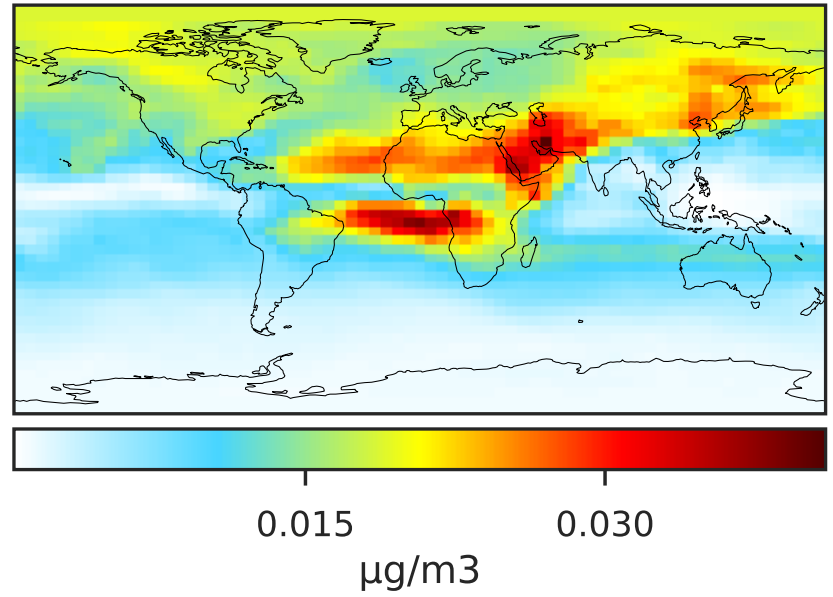
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ASOG3 (Jul2019)

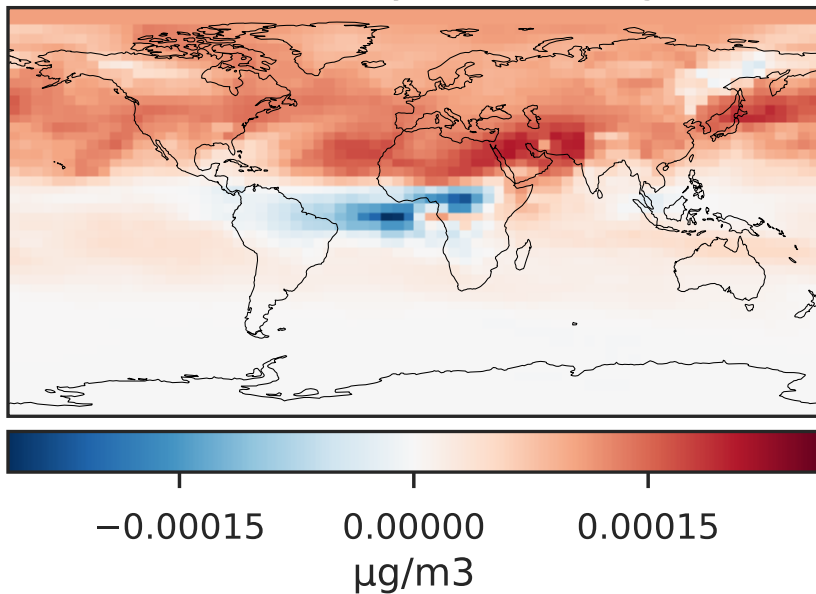
14.2.0-rc.2 (Ref)
4.0x5.0



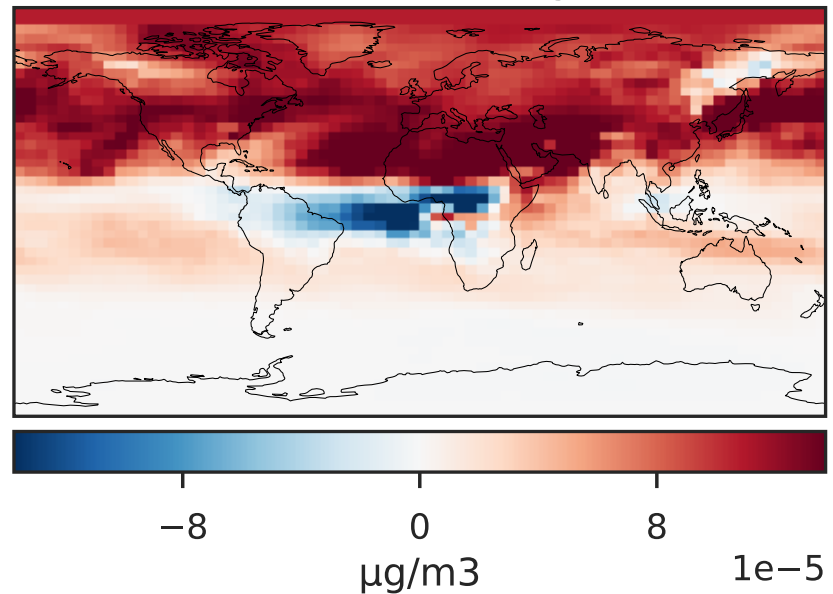
14.3.0-rc.0 (Dev)
4.0x5.0



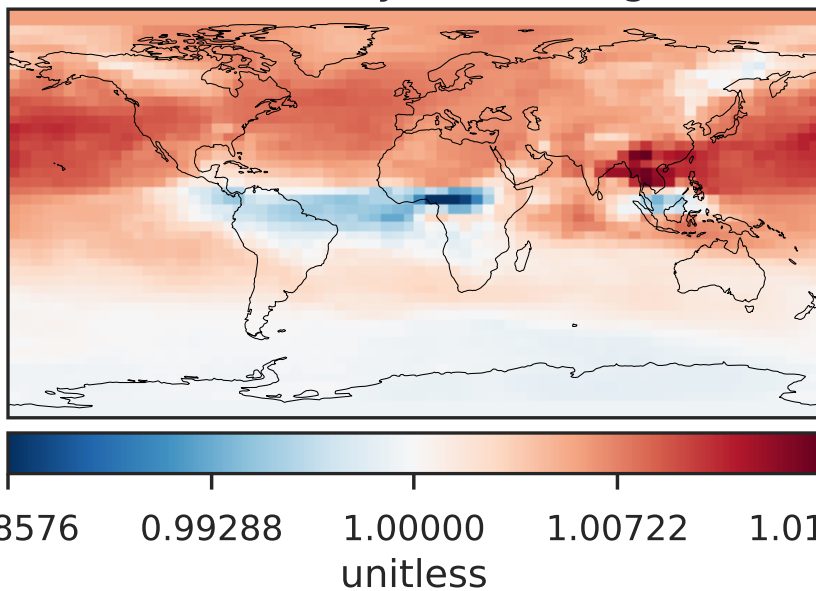
Difference
Dev - Ref, Dynamic Range



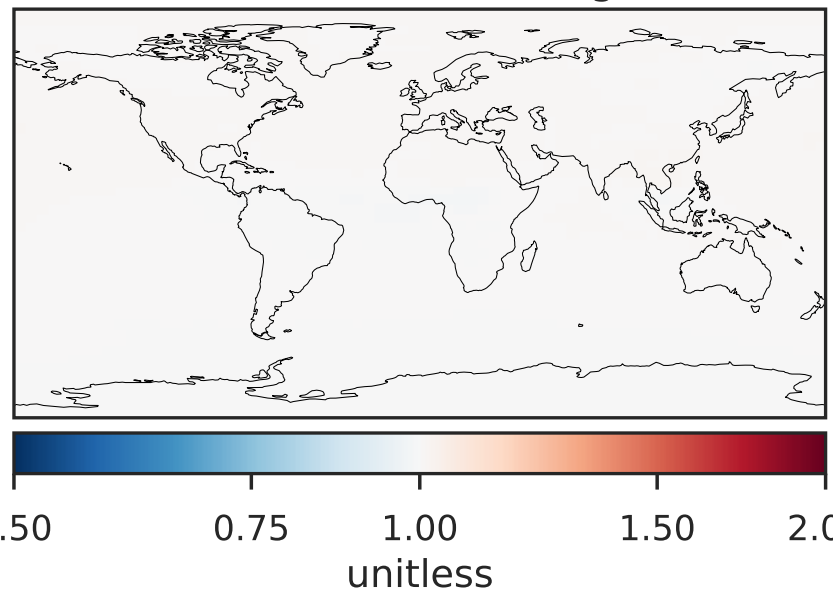
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

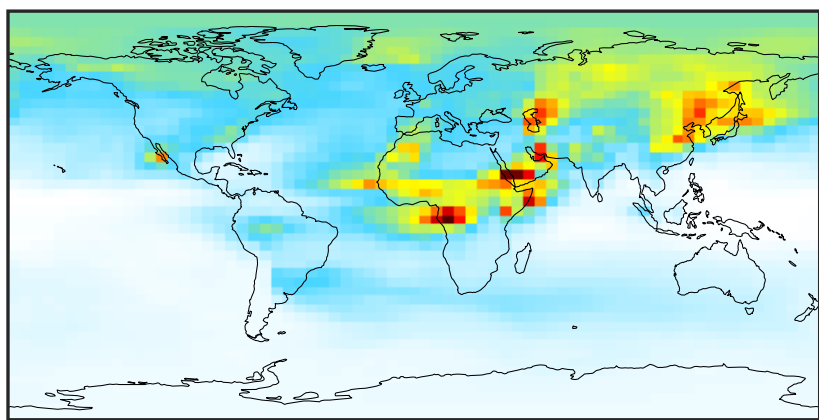


Ratio
Dev/Ref, Fixed Range



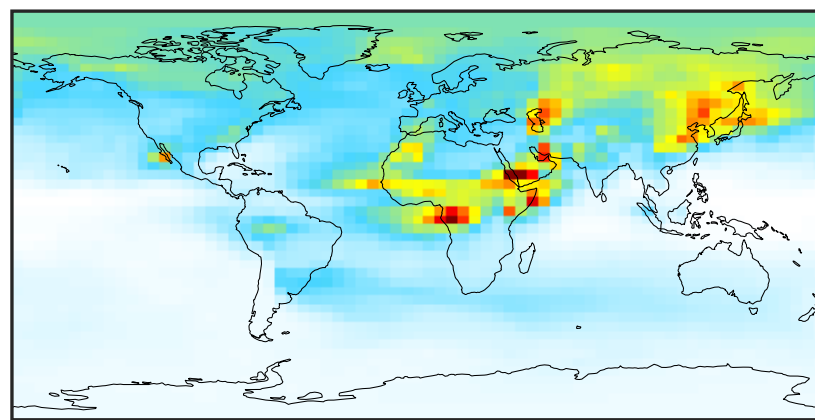
SpeciesConcVV_INDIOL (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



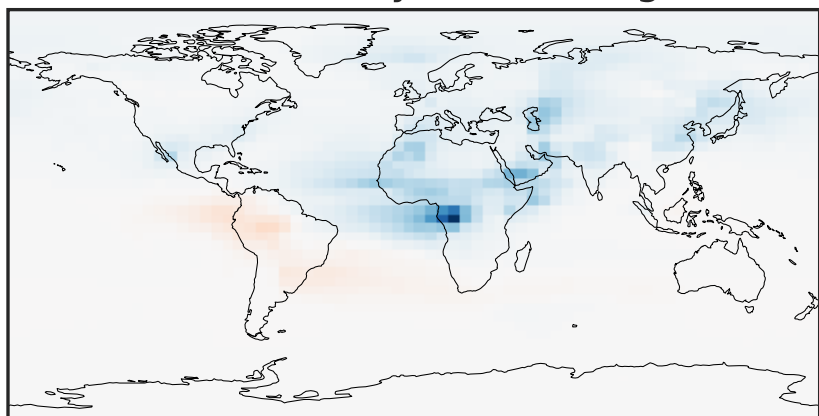
0.0003 0.0338 0.0673 0.1008 0.1343
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
4.0x5.0



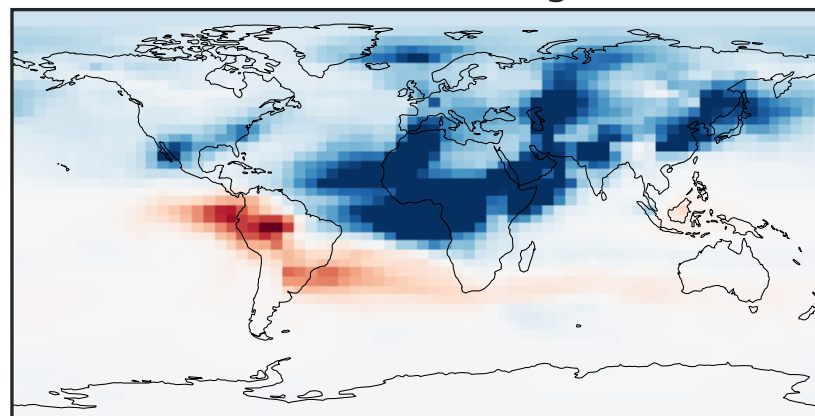
0.0003 0.0338 0.0673 0.1008 0.1343
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



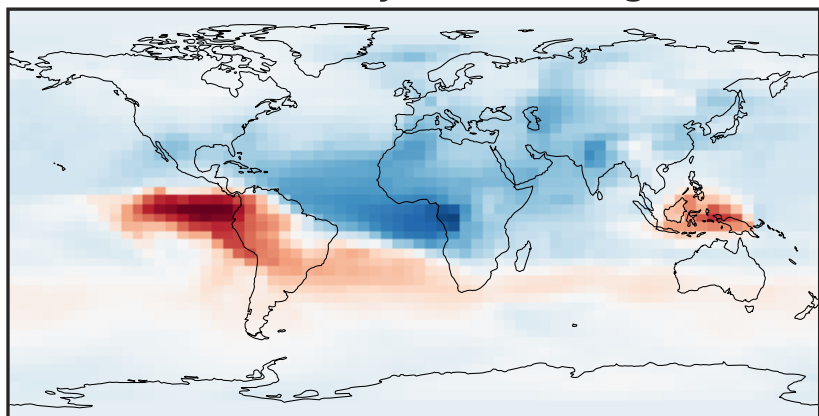
-0.005 0.000 0.005
 $\mu\text{g}/\text{m}^3$

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



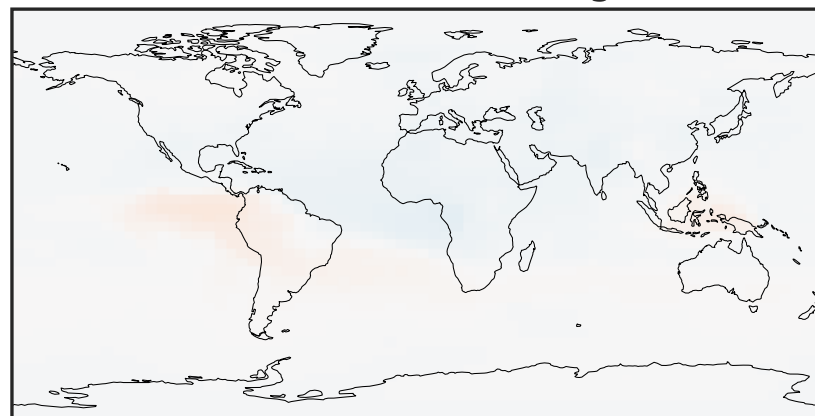
-0.0008 0.0000 0.0008
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



0.9288 0.9644 1.0000 1.0383 1.0767
unitless

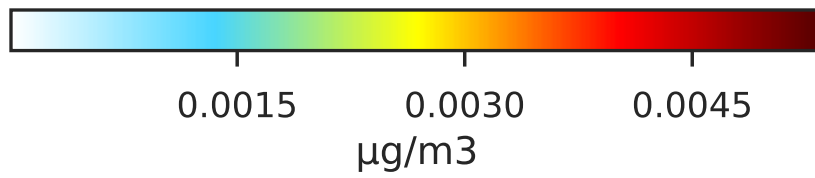
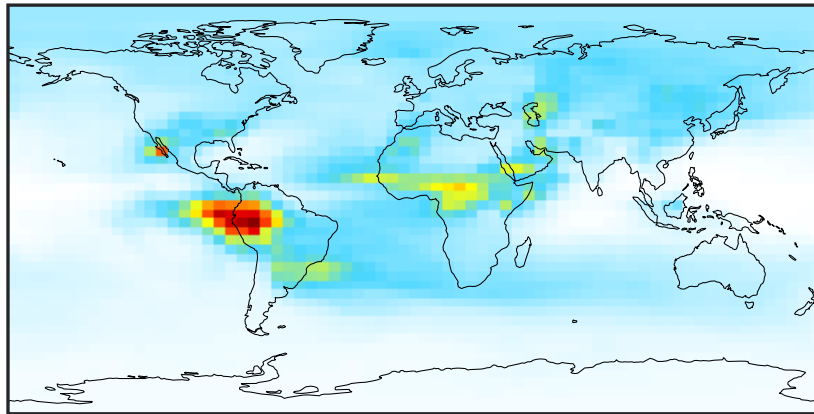
Ratio
Dev/Ref, Fixed Range



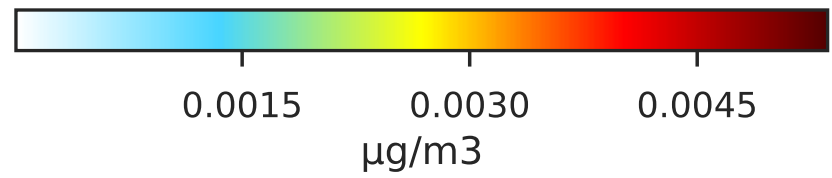
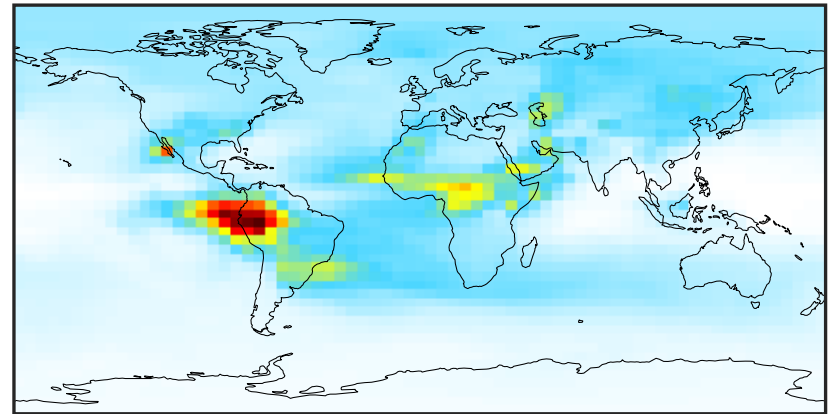
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_LVOCOA (Jul2019)

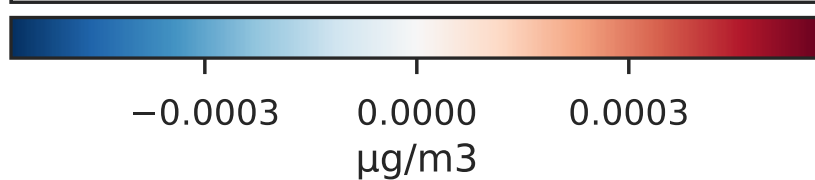
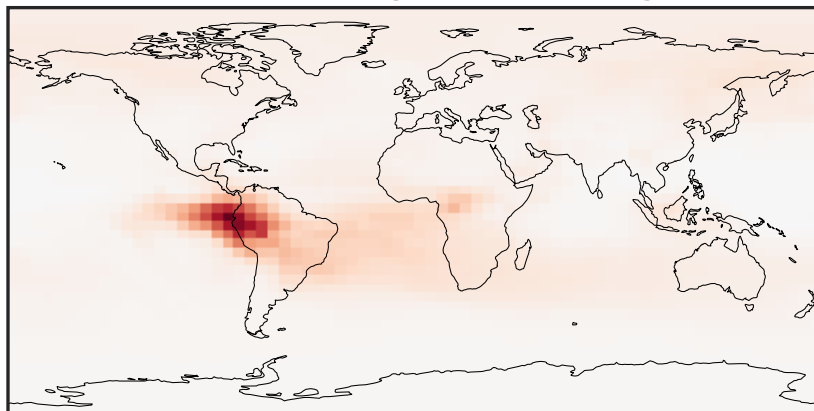
14.2.0-rc.2 (Ref)
4.0x5.0



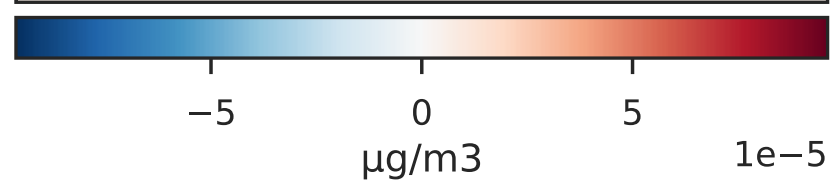
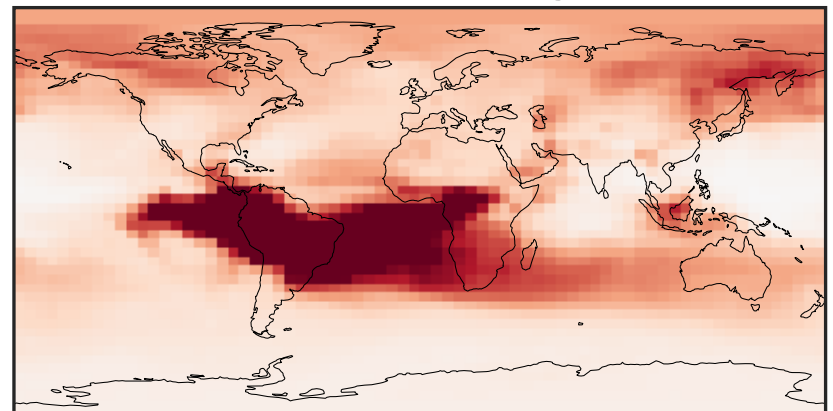
14.3.0-rc.0 (Dev)
4.0x5.0



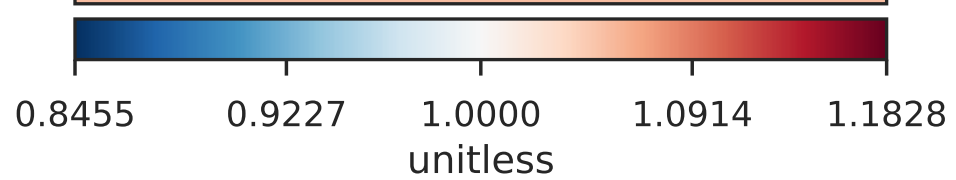
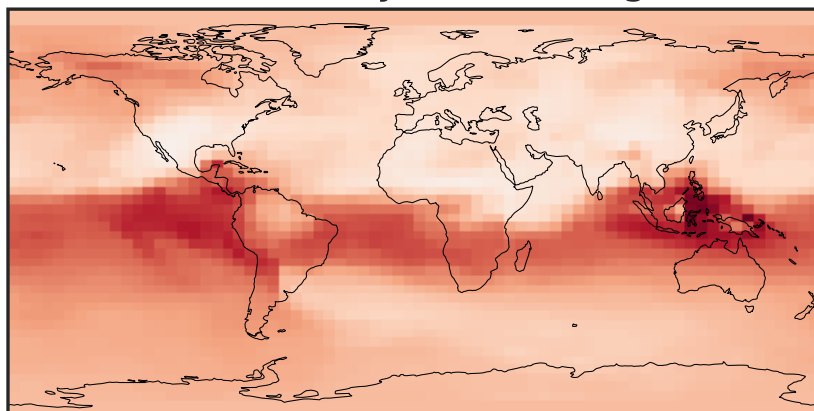
Difference
Dev - Ref, Dynamic Range



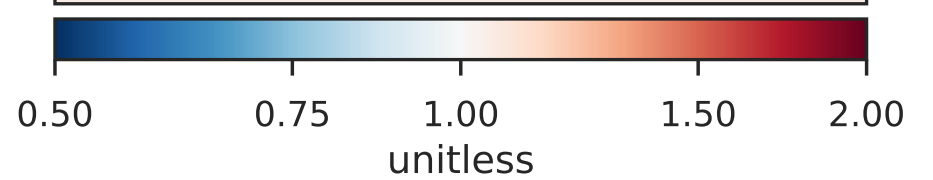
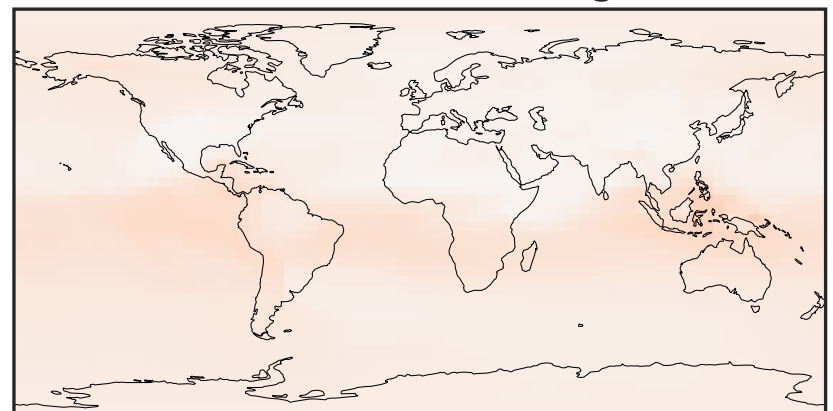
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

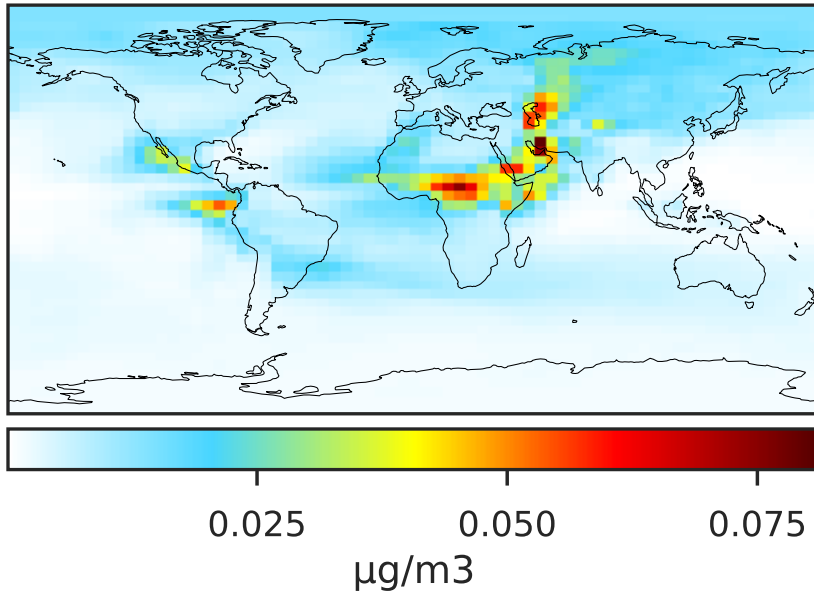


Ratio
Dev/Ref, Fixed Range

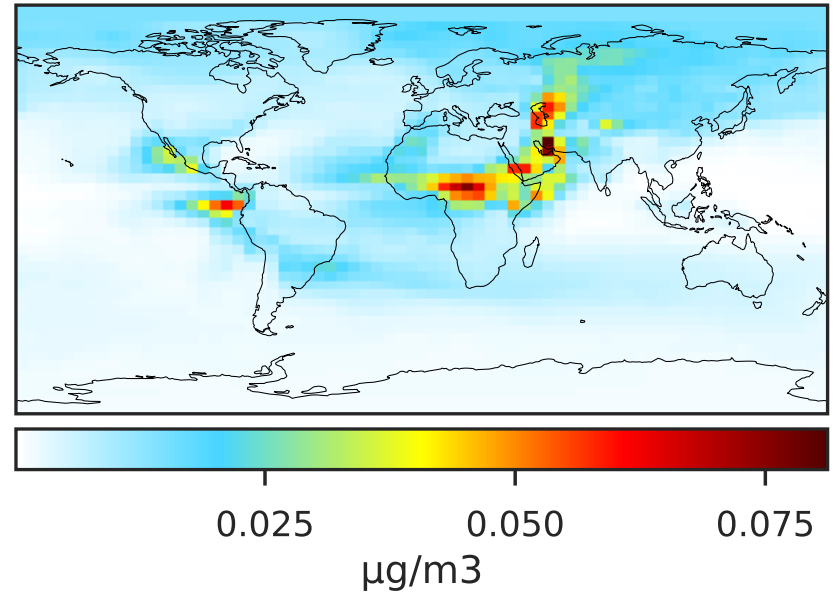


SpeciesConcVV_SOAIE (Jul2019)

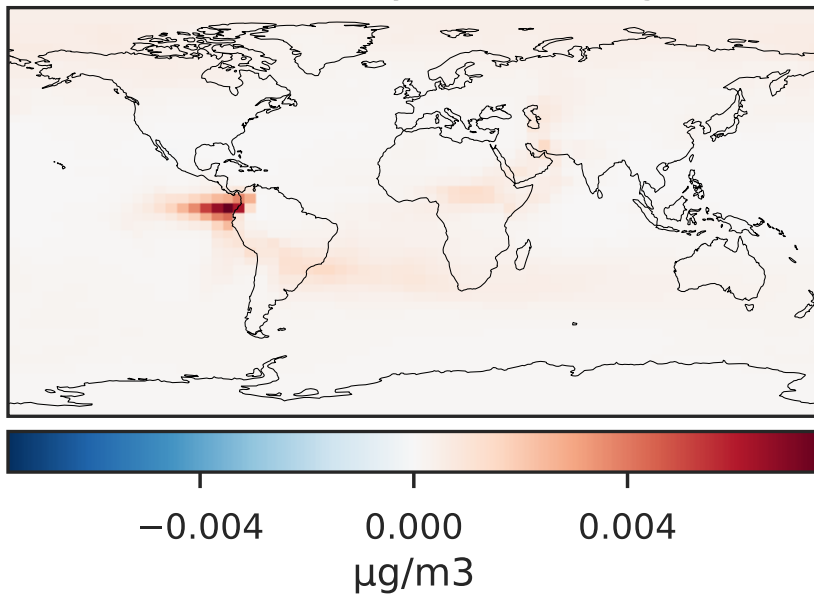
14.2.0-rc.2 (Ref)
4.0x5.0



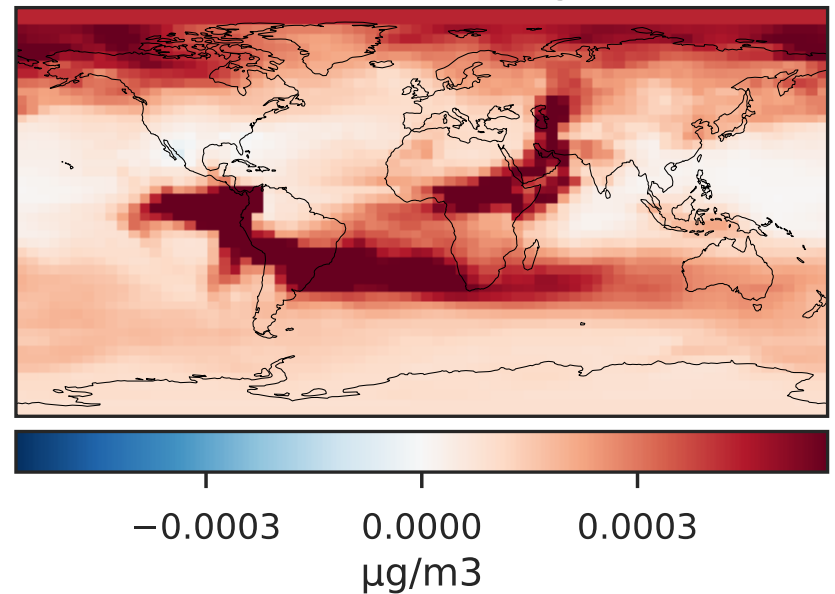
14.3.0-rc.0 (Dev)
4.0x5.0



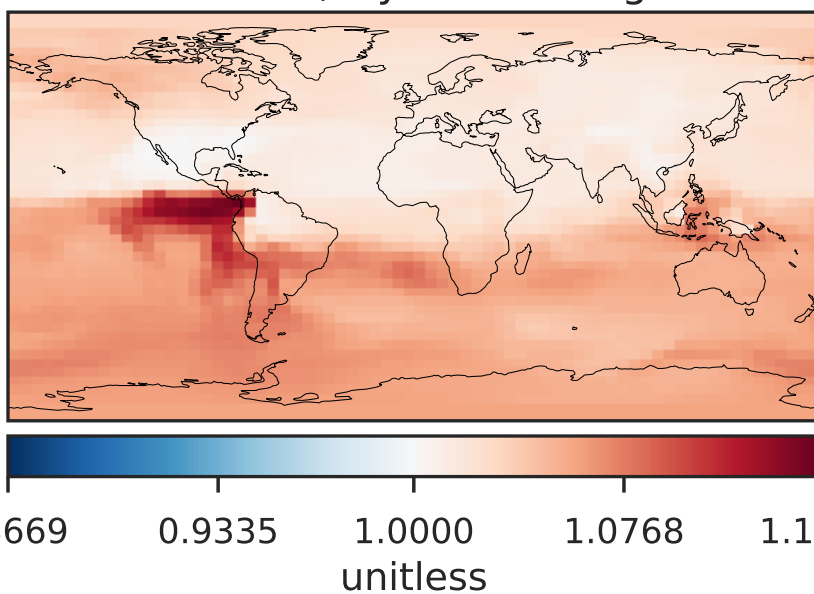
Difference
Dev - Ref, Dynamic Range



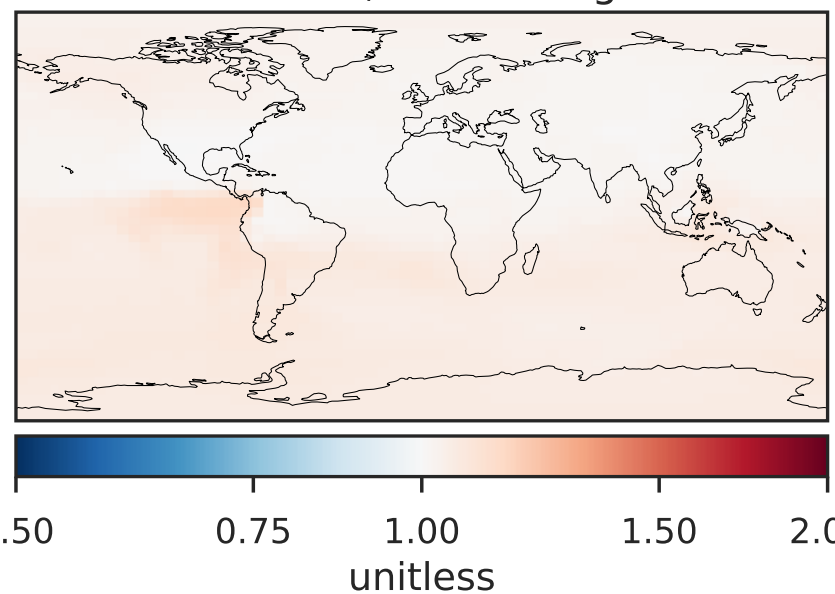
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

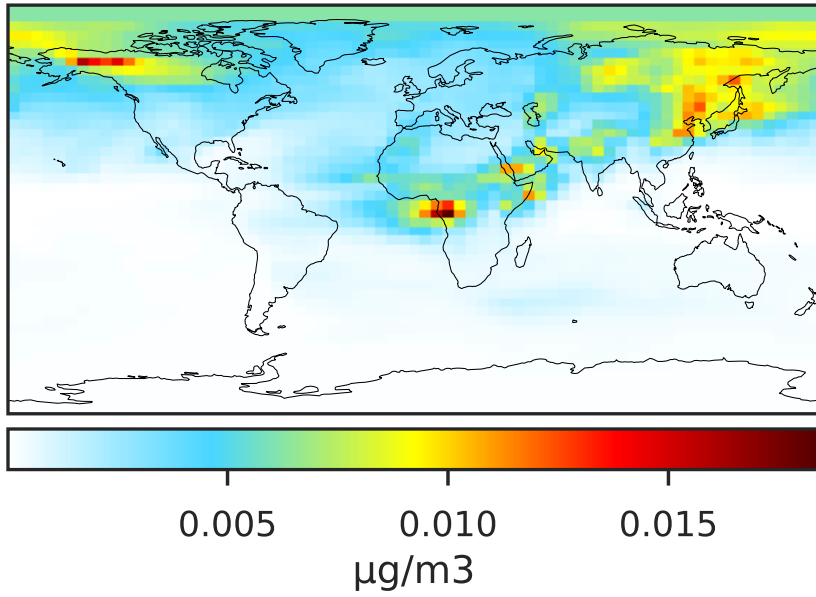


Ratio
Dev/Ref, Fixed Range

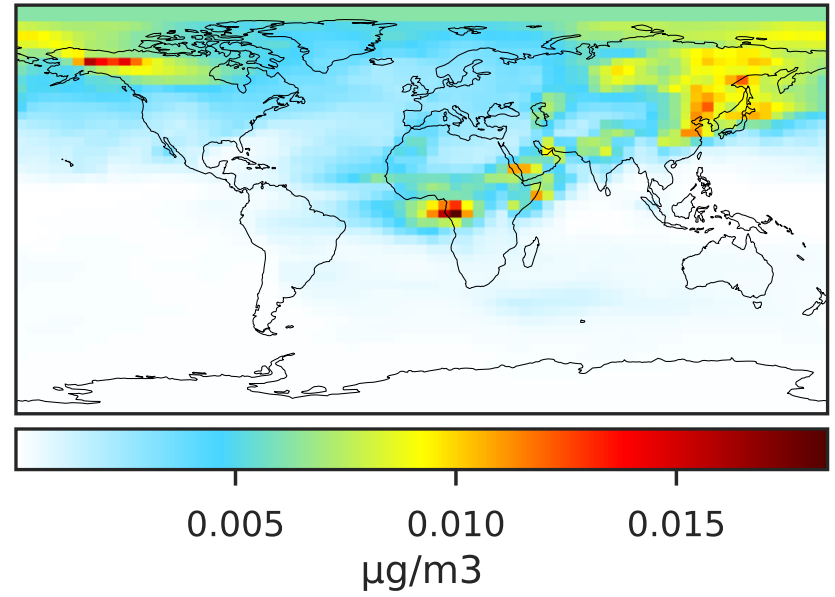


SpeciesConcVV_SOAGX (Jul2019)

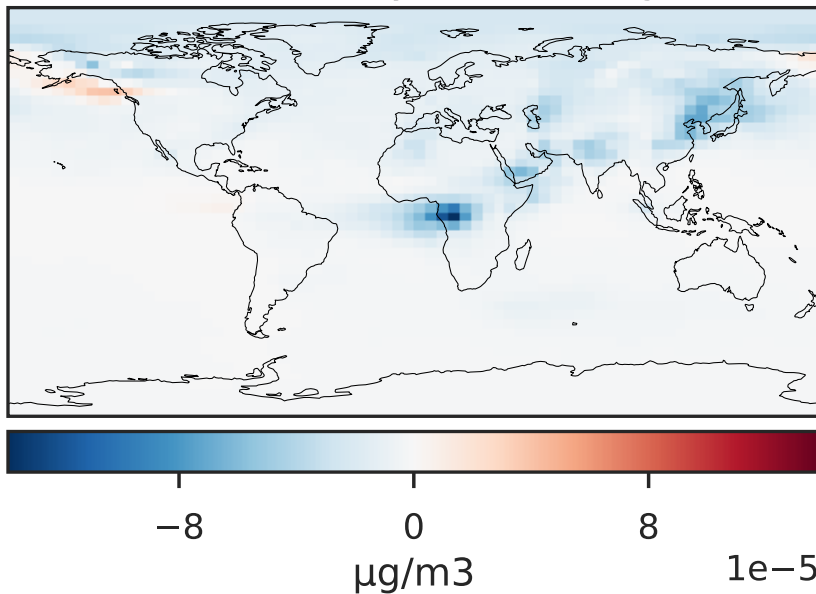
14.2.0-rc.2 (Ref)
4.0x5.0



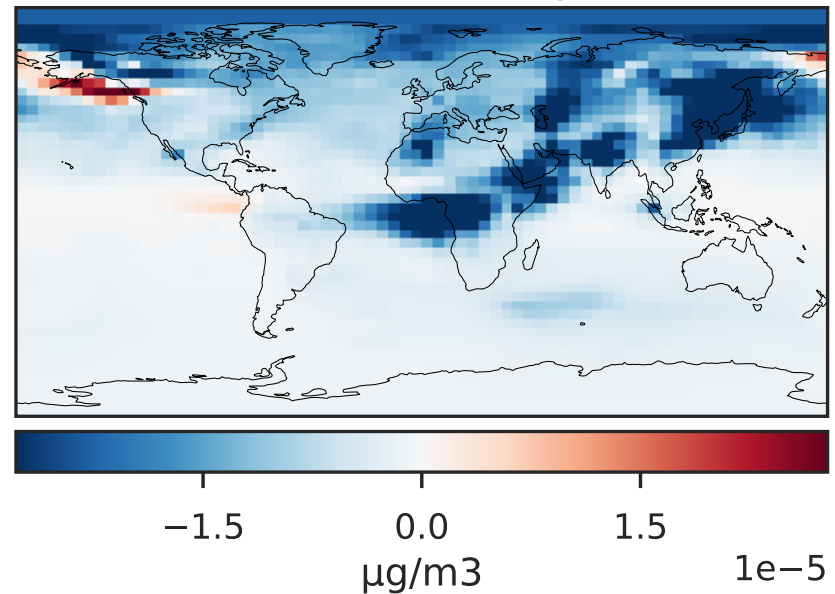
14.3.0-rc.0 (Dev)
4.0x5.0



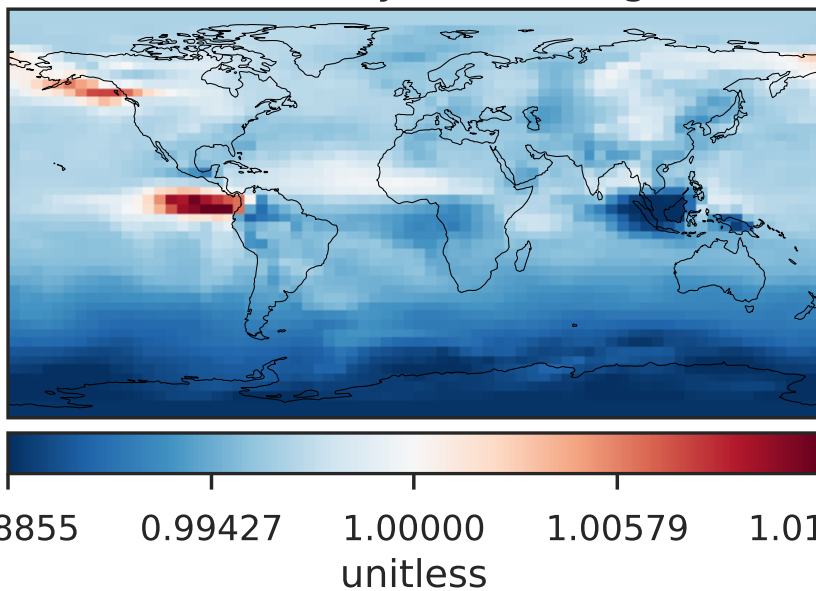
Difference
Dev - Ref, Dynamic Range



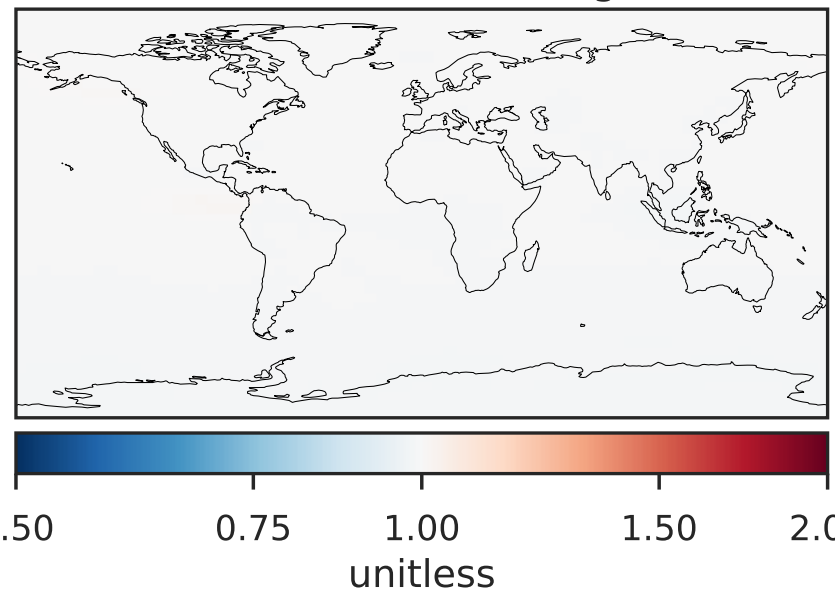
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

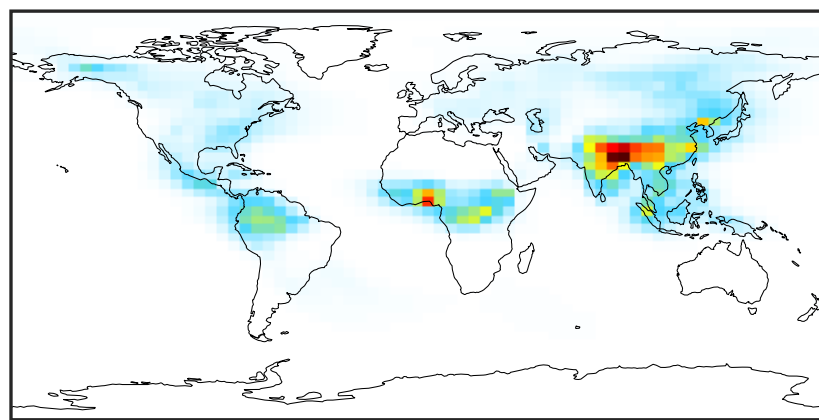


Ratio
Dev/Ref, Fixed Range



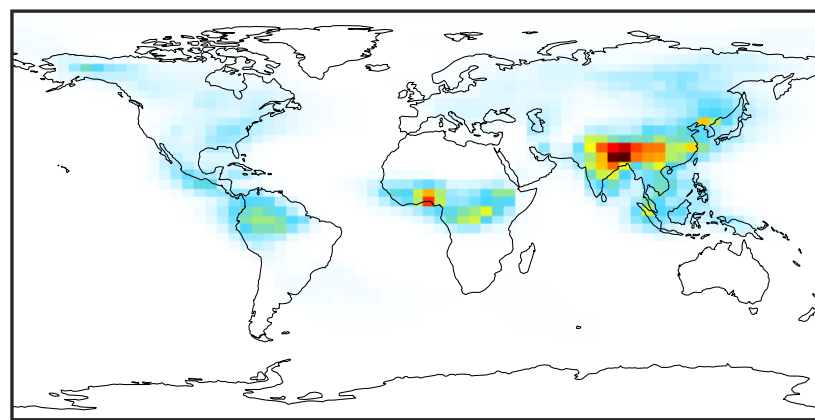
SpeciesConcVV_SOAP (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



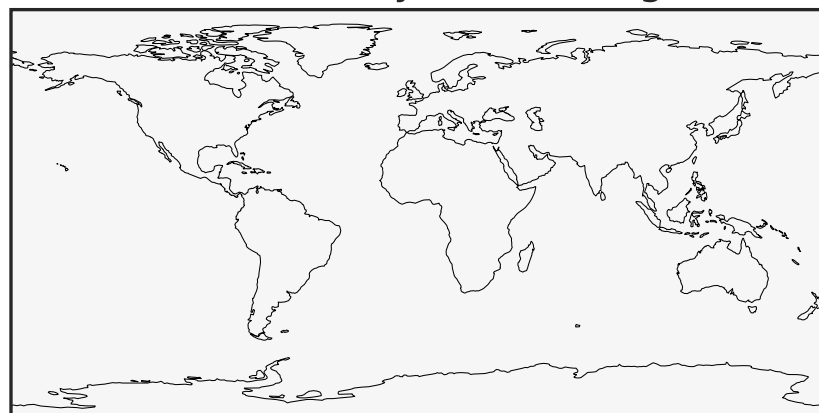
0.0000 0.0351 0.0702 0.1054 0.1405 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
4.0x5.0



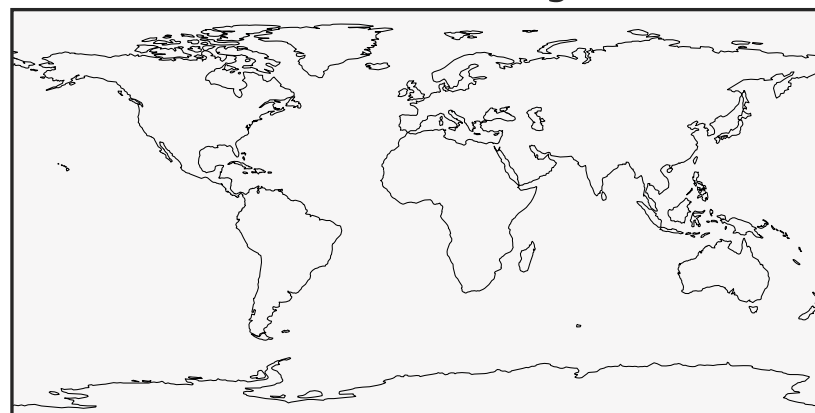
0.0000 0.0351 0.0702 0.1054 0.1405 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



Zero throughout domain
 $\mu\text{g}/\text{m}^3$

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



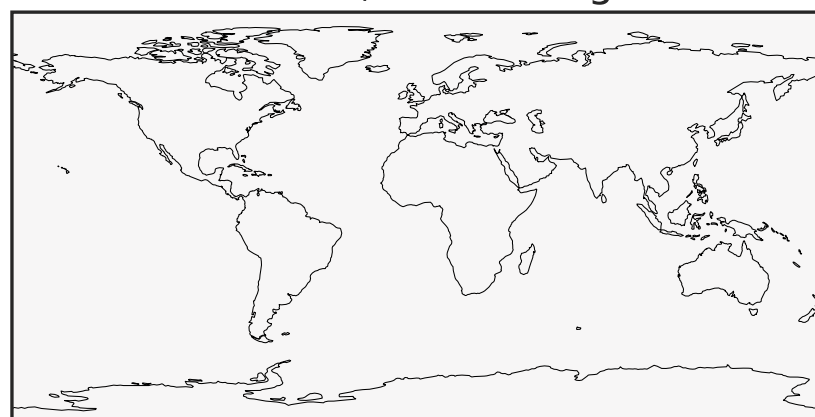
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain
unitless

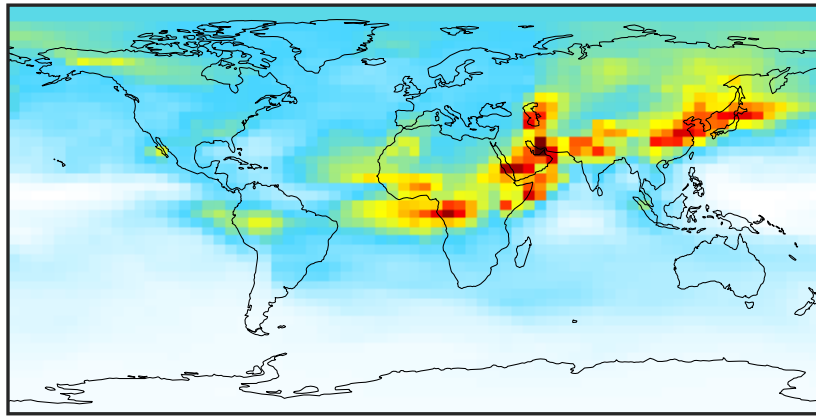
Ratio
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

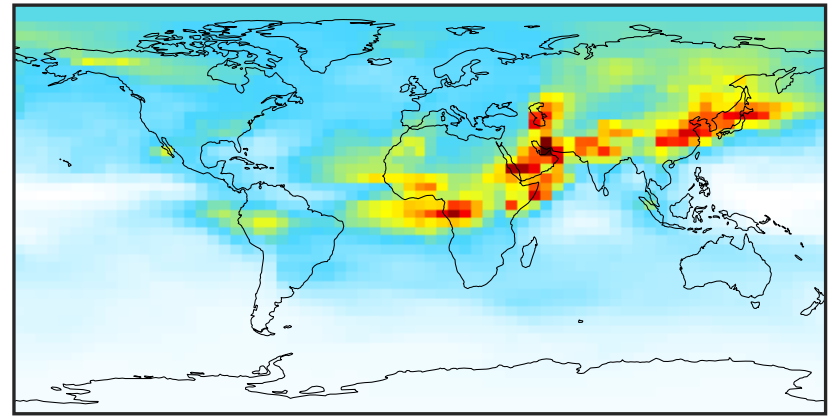
SpeciesConcVW_SOAS (Jul2019)

14.2.0-rc.2 (Ref)
4.0x5.0



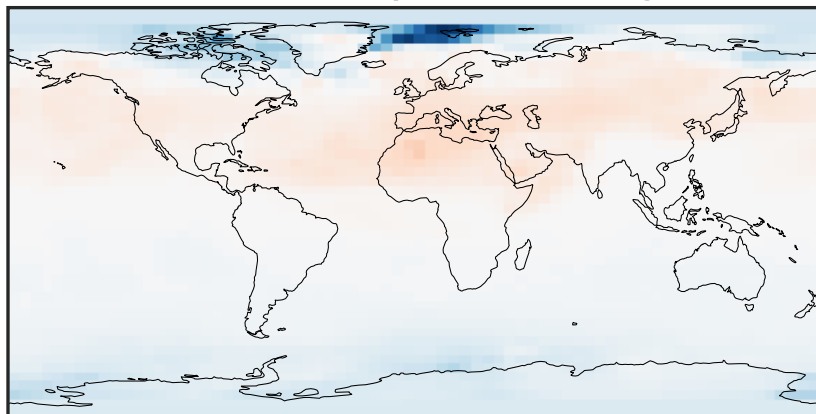
0.0021 0.0749 0.1476 0.2204 0.2932 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
4.0x5.0



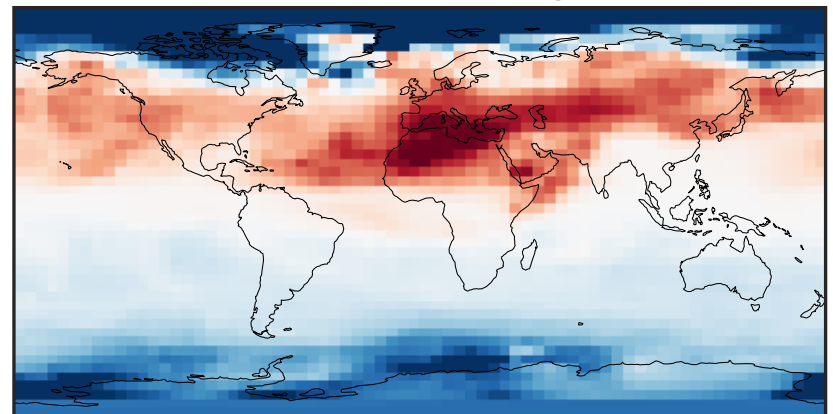
0.0021 0.0749 0.1476 0.2204 0.2932 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



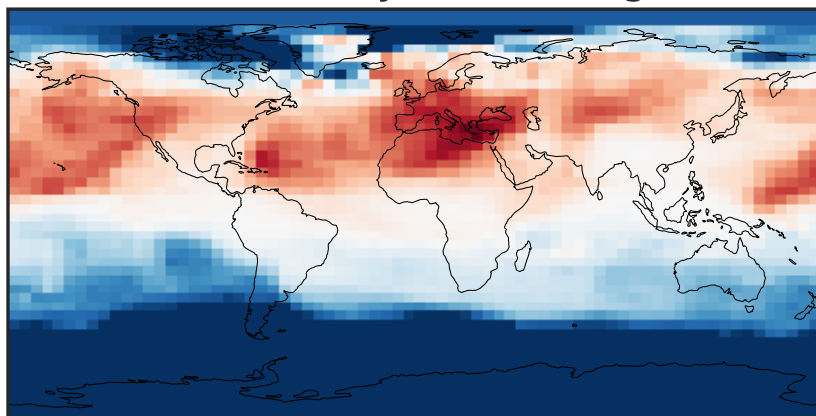
-4 0 4 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



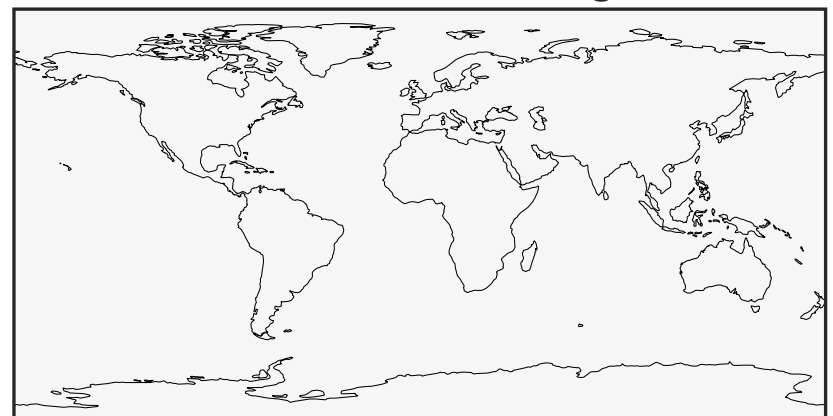
-8 0 8 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

Ratio
Dev/Ref, Dynamic Range



0.9998188 1.000000 1.0001812 unitless

Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00 unitless