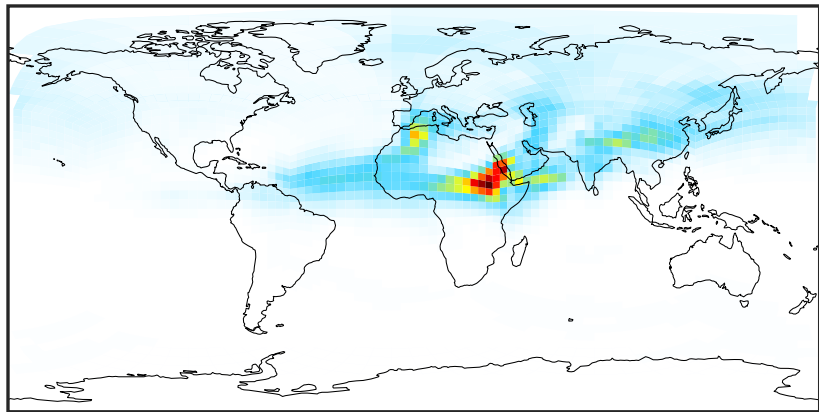


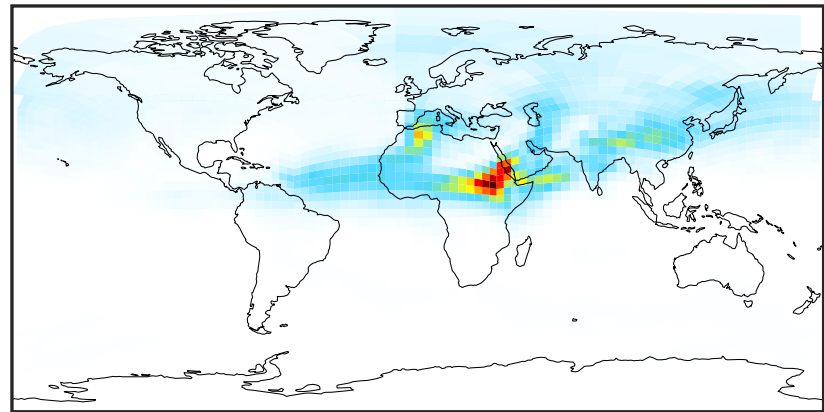
SpeciesConcVV_DST1 (Jul2019)

14.2.0-rc.2 (Ref)
c24



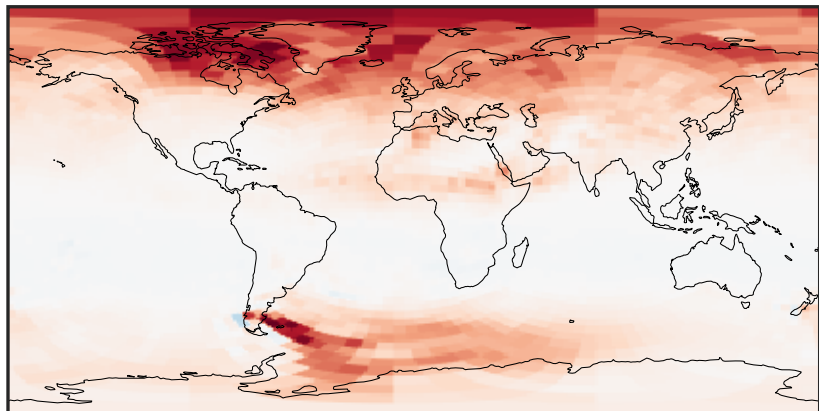
0.001 1.201 2.401 3.601 4.802
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



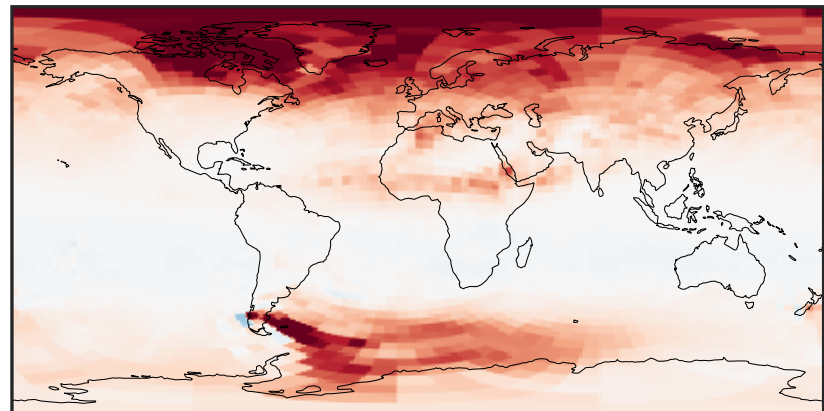
0.001 1.201 2.401 3.601 4.802
 $\mu\text{g}/\text{m}^3$

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



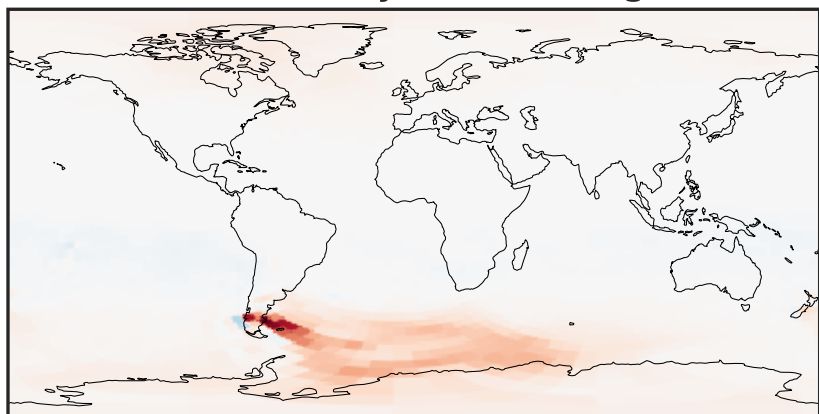
-4 0 4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

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



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

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



0.998979 0.999490 1.000000 1.000511 1.001022
unitless

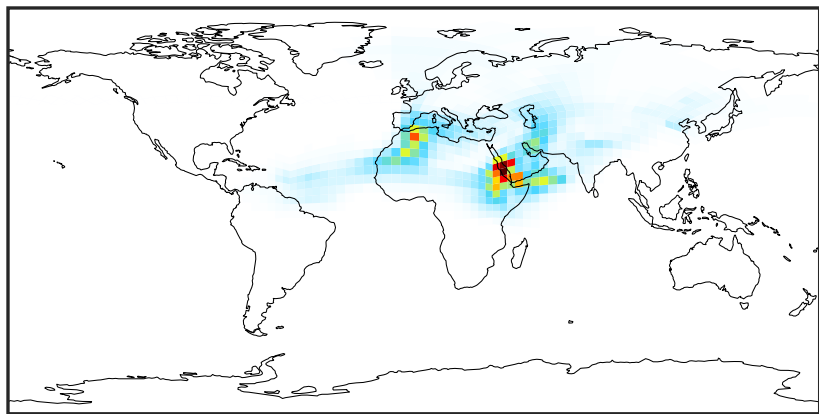
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

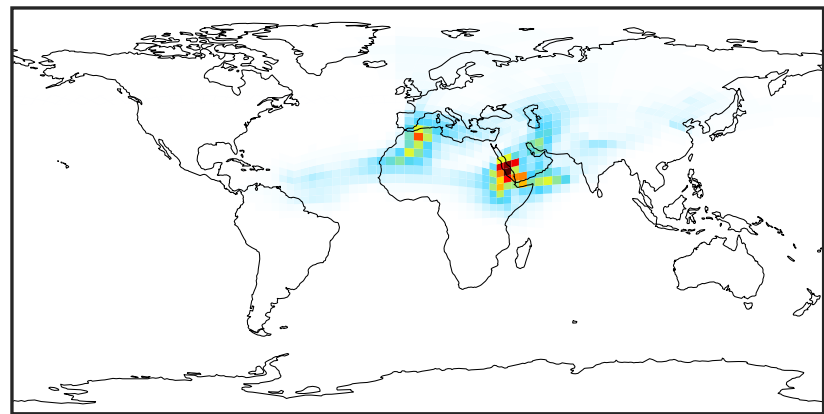
SpeciesConcVV_DST2 (Jul2019)

14.2.0-rc.2 (Ref)
c24



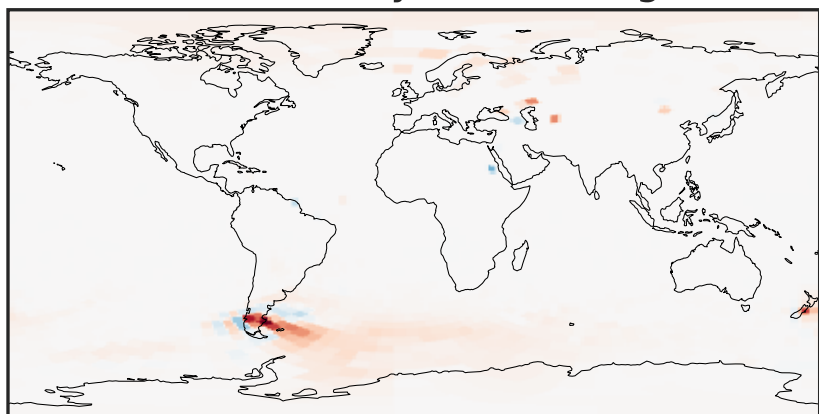
0.000 1.164 2.327 3.491 4.655
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



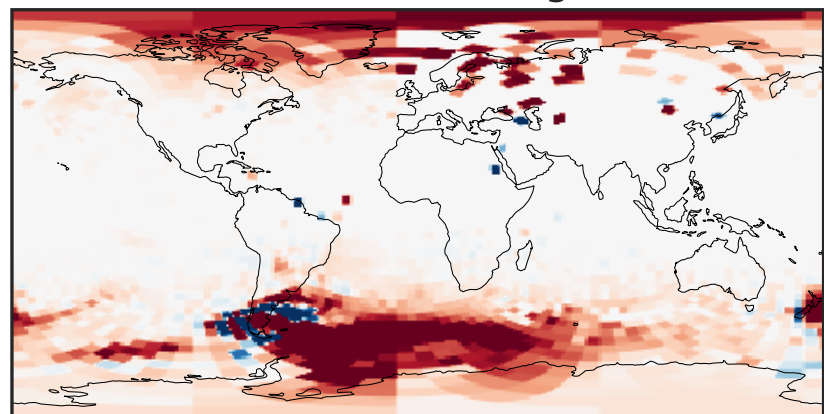
0.000 1.164 2.327 3.491 4.655
 $\mu\text{g}/\text{m}^3$

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



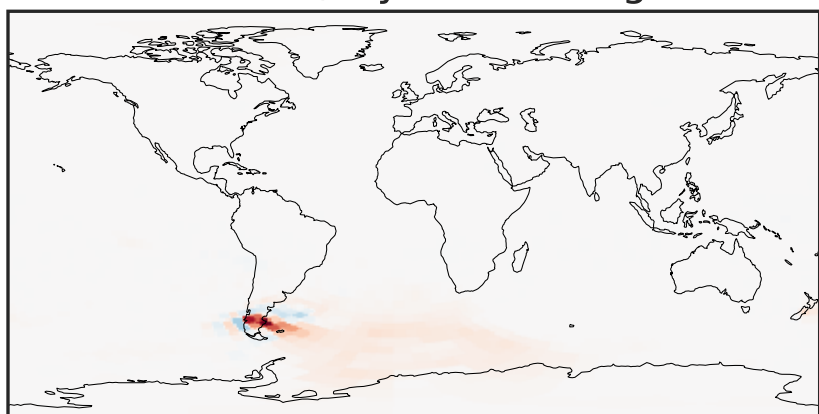
-8 0 8
 $\mu\text{g}/\text{m}^3$ $1\text{e}-8$

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



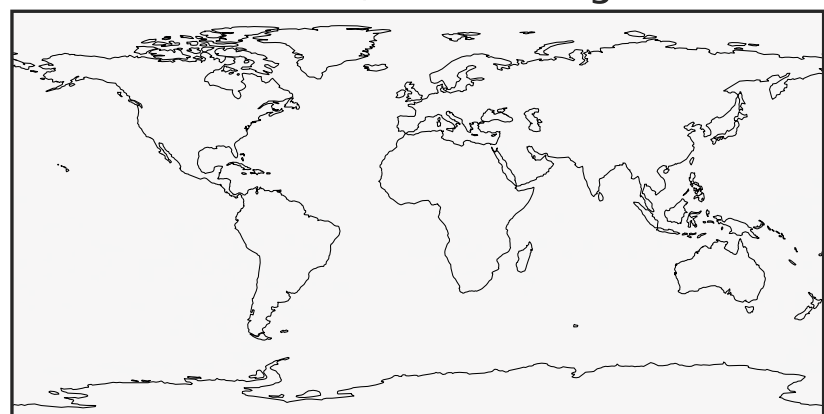
-4 0 4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-9$

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



0.9998487 1.000000 1.0001513
unitless

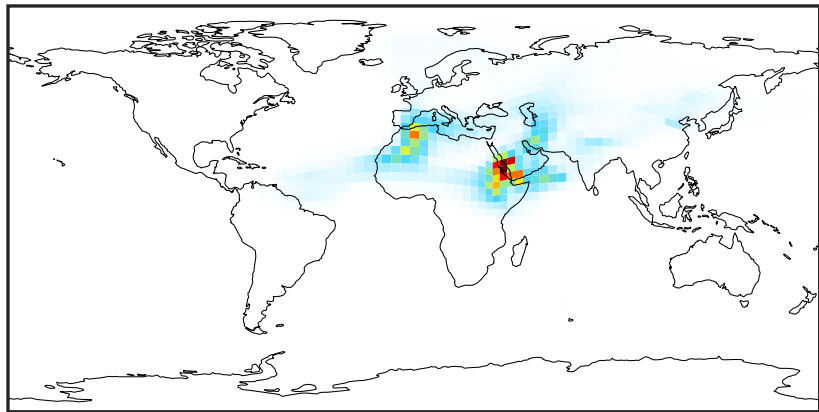
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

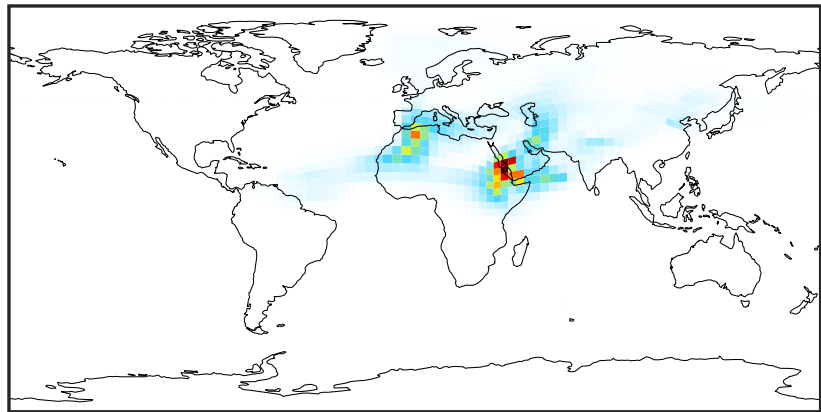
SpeciesConcVV_DST3 (Jul2019)

14.2.0-rc.2 (Ref)
c24



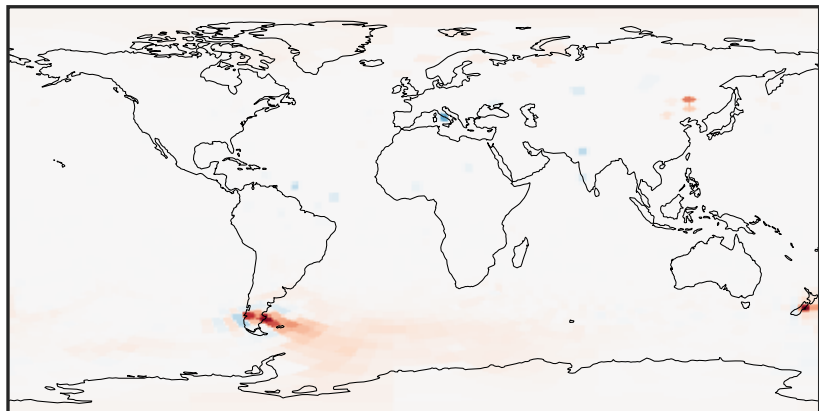
0.000 1.516 3.031 4.547 6.062
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



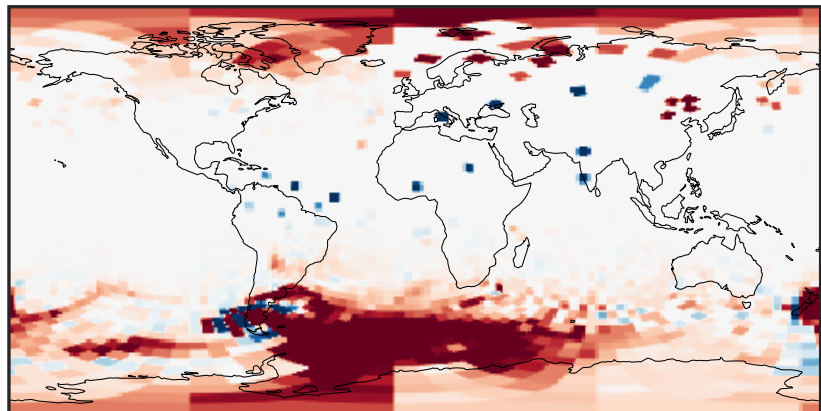
0.000 1.516 3.031 4.547 6.062
 $\mu\text{g}/\text{m}^3$

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



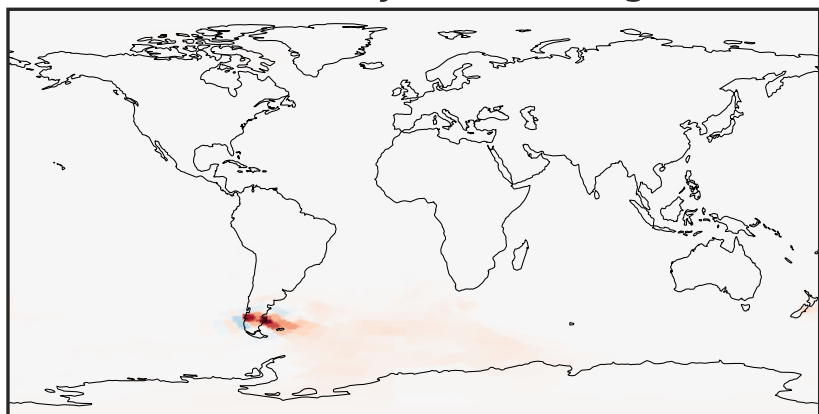
-6 0 6
 $\mu\text{g}/\text{m}^3$ $1\text{e}-8$

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



-3 0 3
 $\mu\text{g}/\text{m}^3$ $1\text{e}-9$

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



0.9998665 1.000000 1.0001335
unitless

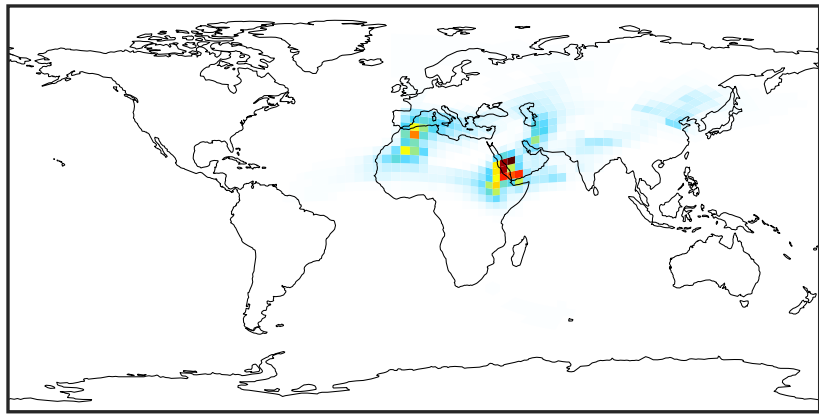
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

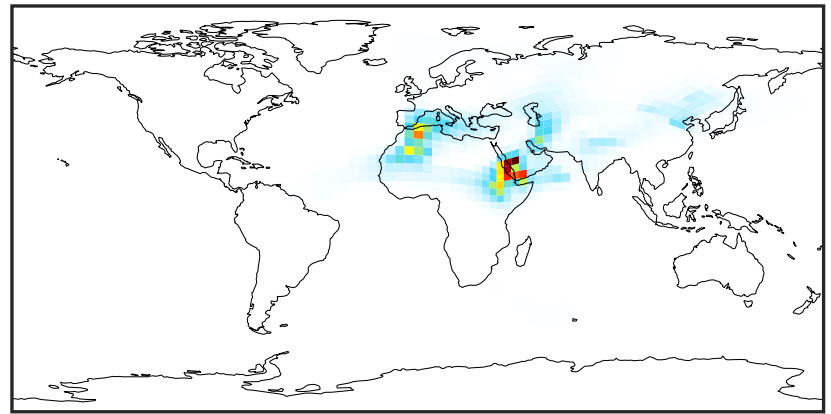
SpeciesConcVV_DST4 (Jul2019)

14.2.0-rc.2 (Ref)
c24



0.000 0.564 1.129 1.693 2.257
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



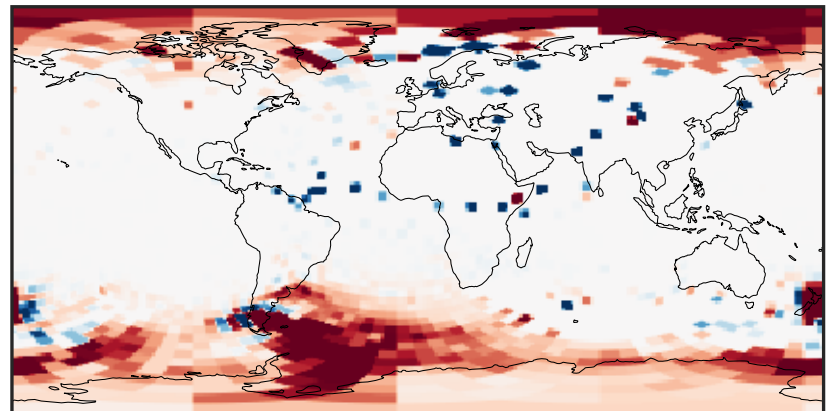
0.000 0.564 1.129 1.693 2.257
 $\mu\text{g}/\text{m}^3$

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



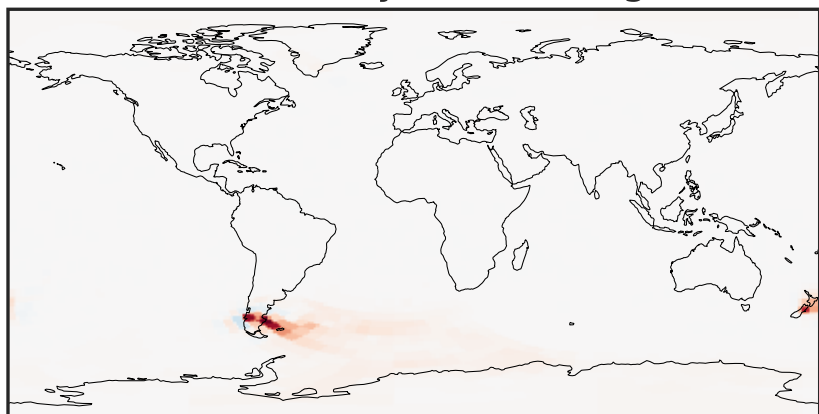
-3 0 3
 $\mu\text{g}/\text{m}^3$ $1\text{e}-8$

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



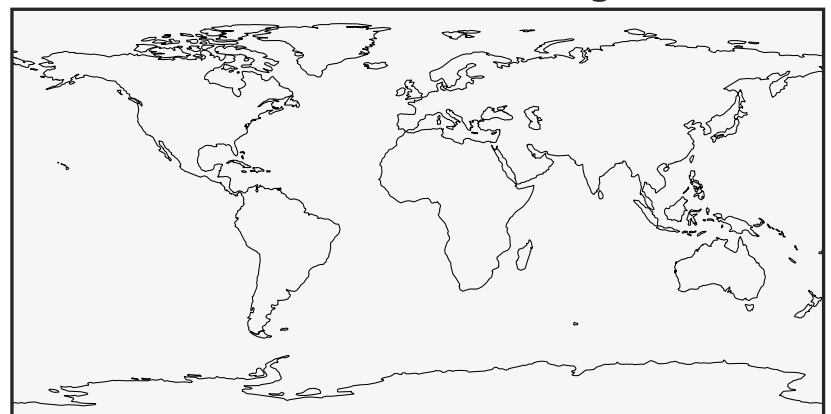
-5 0 5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-10$

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



0.9999253 1.0000000 1.0000747
unitless

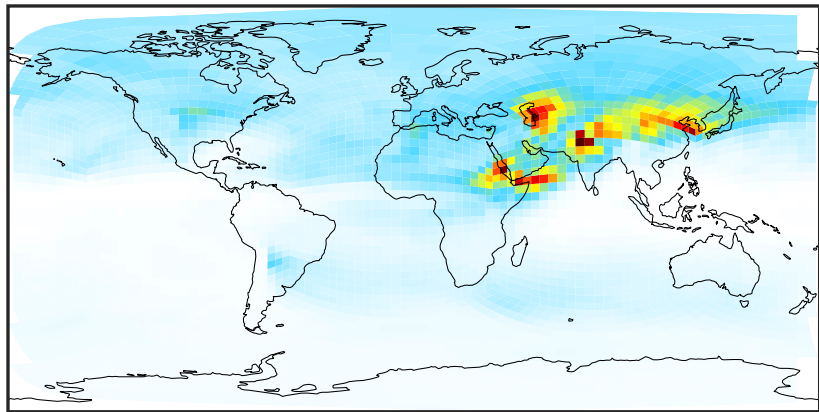
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

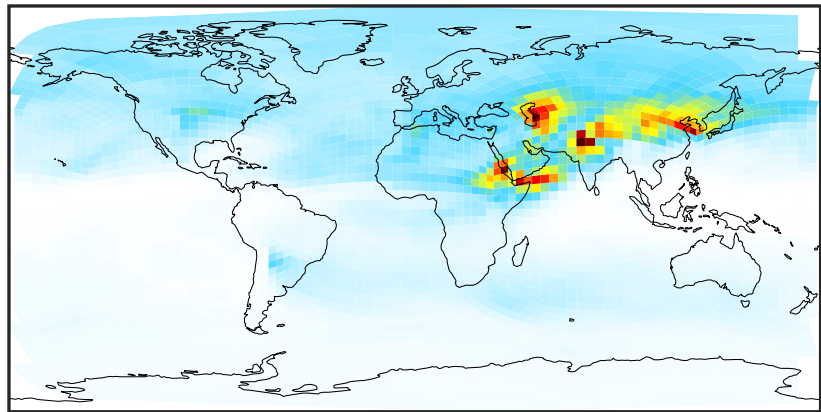
SpeciesConcVV_NH4 (Jul2019)

14.2.0-rc.2 (Ref)
c24



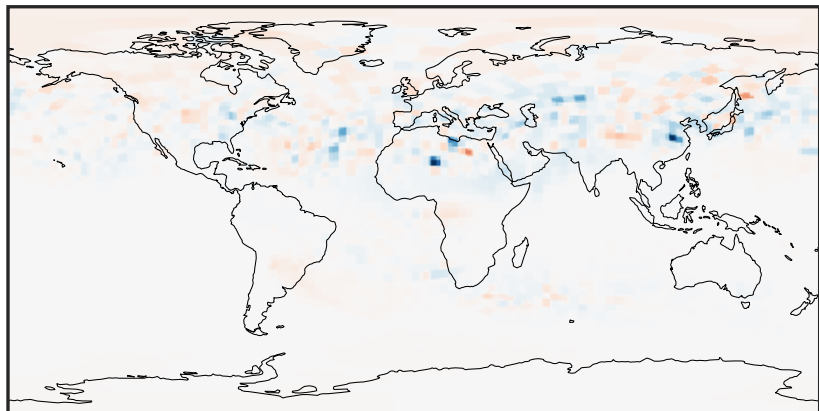
0.0002 0.0544 0.1087 0.1629 0.2171
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



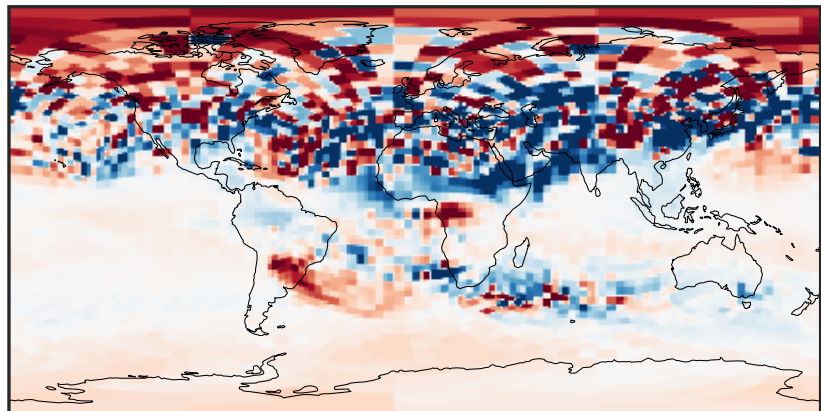
0.0002 0.0544 0.1087 0.1629 0.2171
 $\mu\text{g}/\text{m}^3$

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



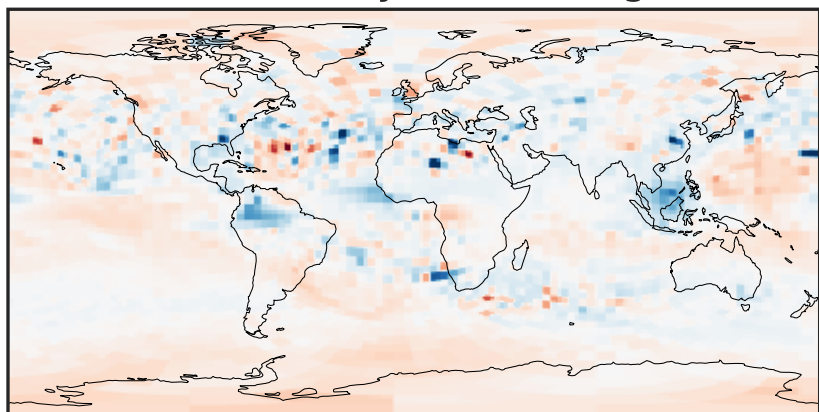
-0.0008 0.0000 0.0008
 $\mu\text{g}/\text{m}^3$

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



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

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



0.97967 0.98984 1.00000 1.01038 1.02075
unitless

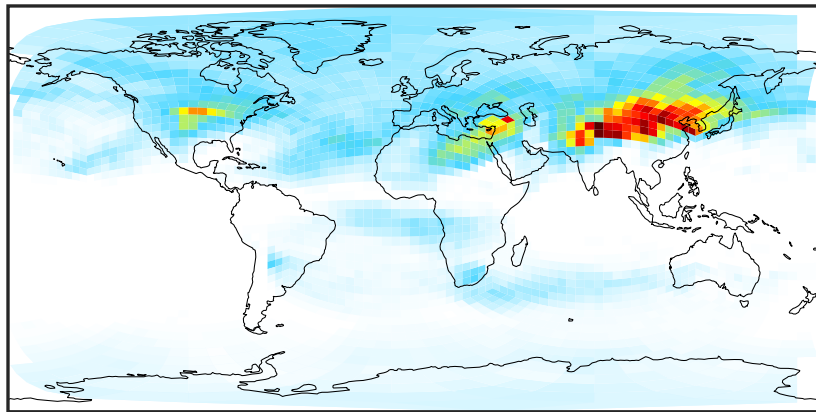
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

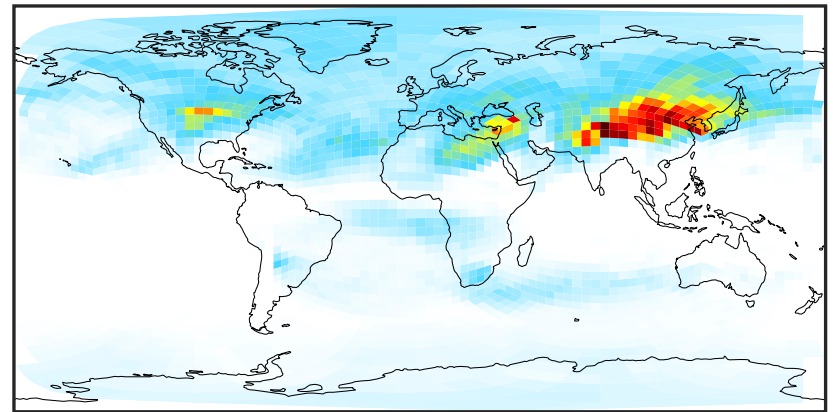
SpeciesConcVV_NIT (Jul2019)

14.2.0-rc.2 (Ref)
c24



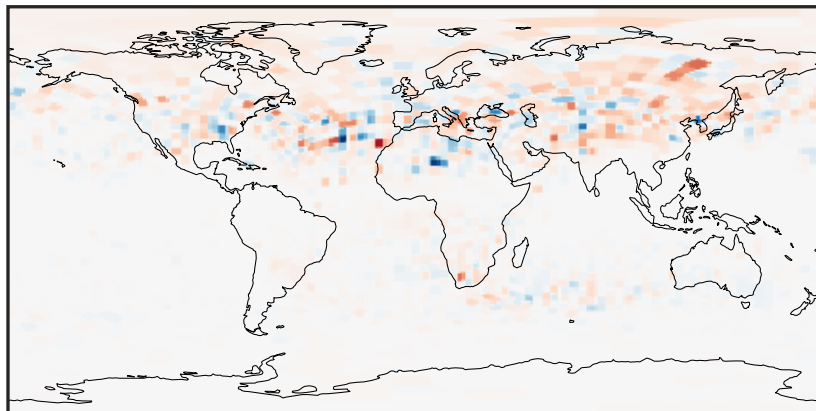
0.0000 0.0684 0.1369 0.2053 0.2738
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



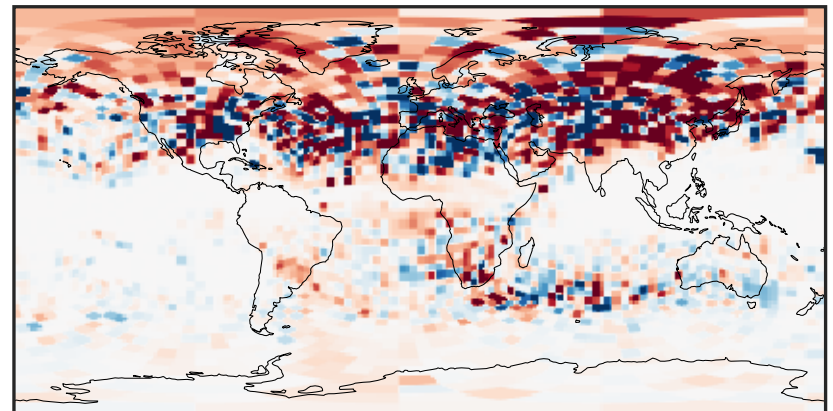
0.0000 0.0684 0.1369 0.2053 0.2738
 $\mu\text{g}/\text{m}^3$

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



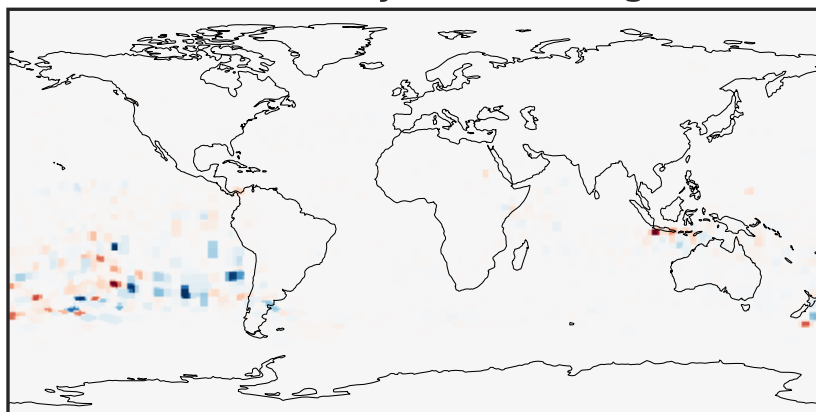
-0.004 0.000 0.004
 $\mu\text{g}/\text{m}^3$

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



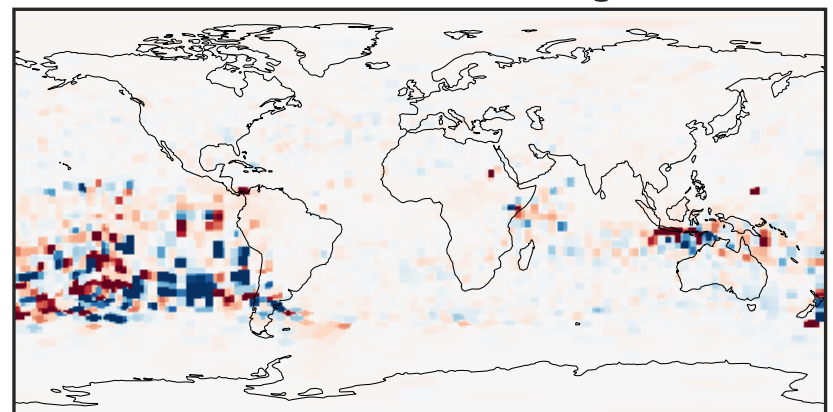
-0.0005 0.0000 0.0005
 $\mu\text{g}/\text{m}^3$

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



1e-02 1e-01 1 10 100
unitless

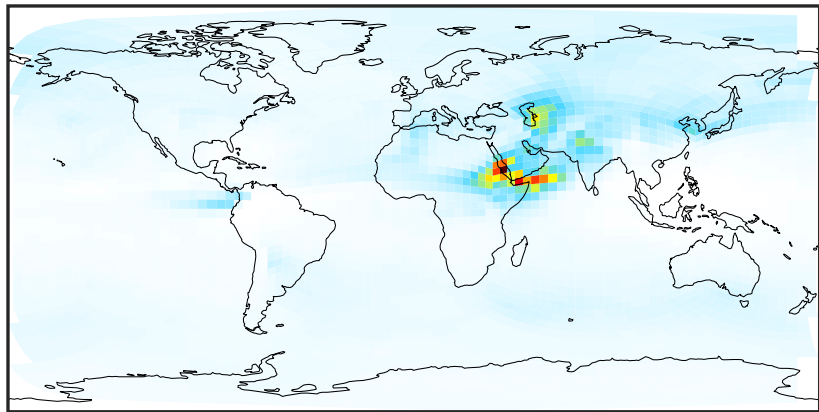
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

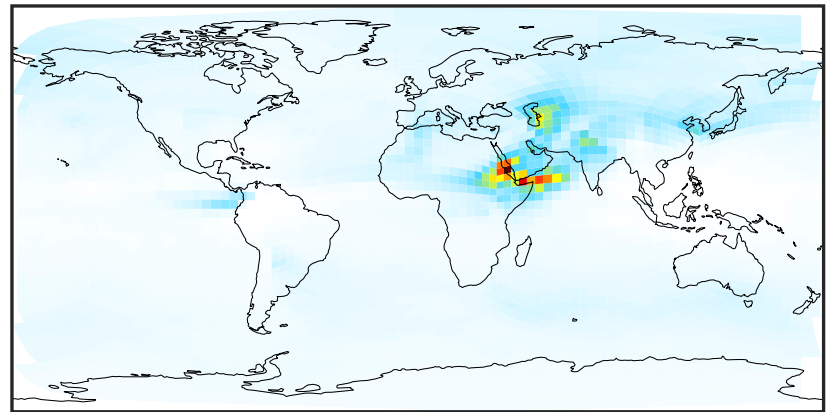
SpeciesConcVV_SO4 (Jul2019)

14.2.0-rc.2 (Ref)
c24



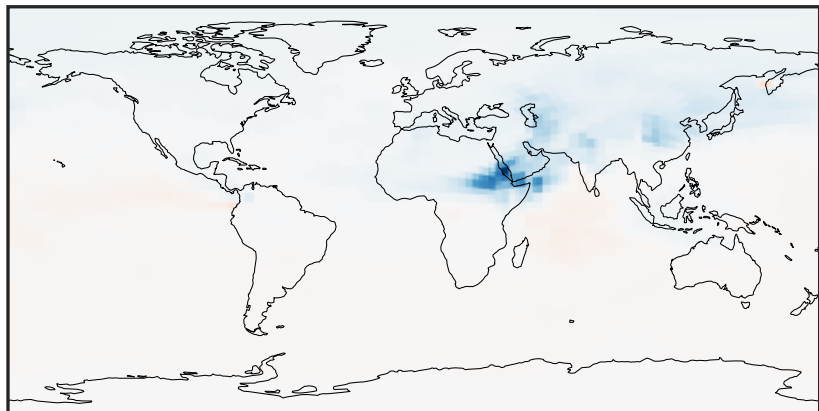
0.004 0.308 0.612 0.916 1.220
µg/m3

14.3.0-rc.0 (Dev)
c24



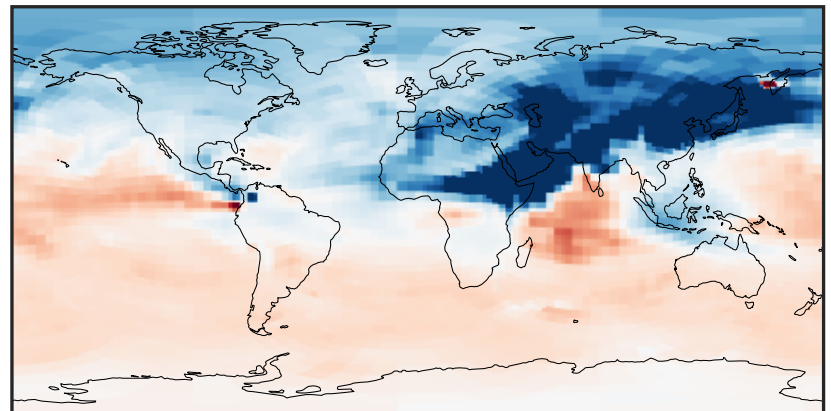
0.004 0.308 0.612 0.916 1.220
µg/m3

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



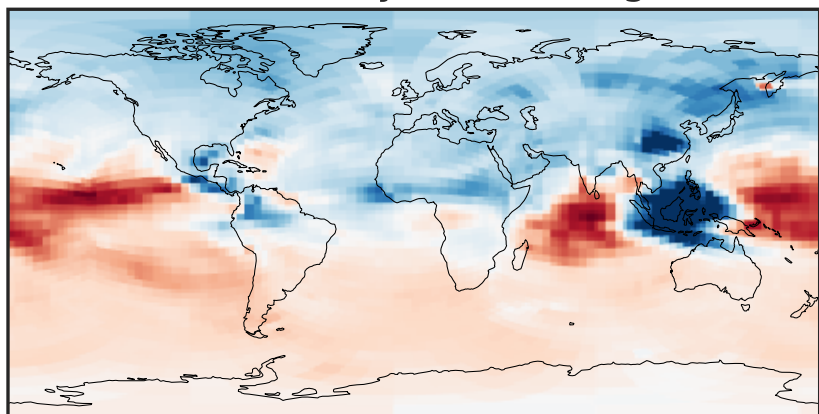
-0.004 0.000 0.004
µg/m3

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



-0.0004 0.0000 0.0004
µg/m3

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



0.98277 0.99139 1.00000 1.00877 1.01753
unitless

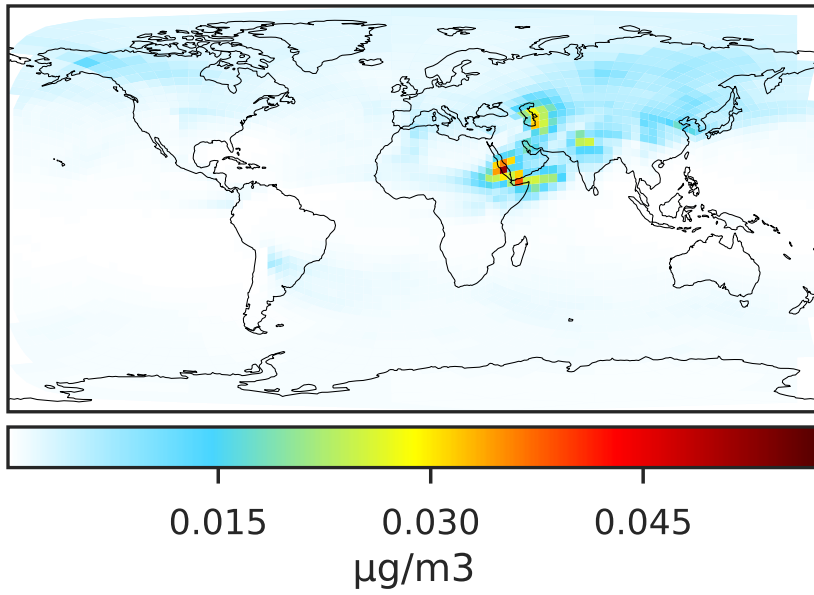
Ratio (1x1.25)
Dev/Ref, Fixed Range



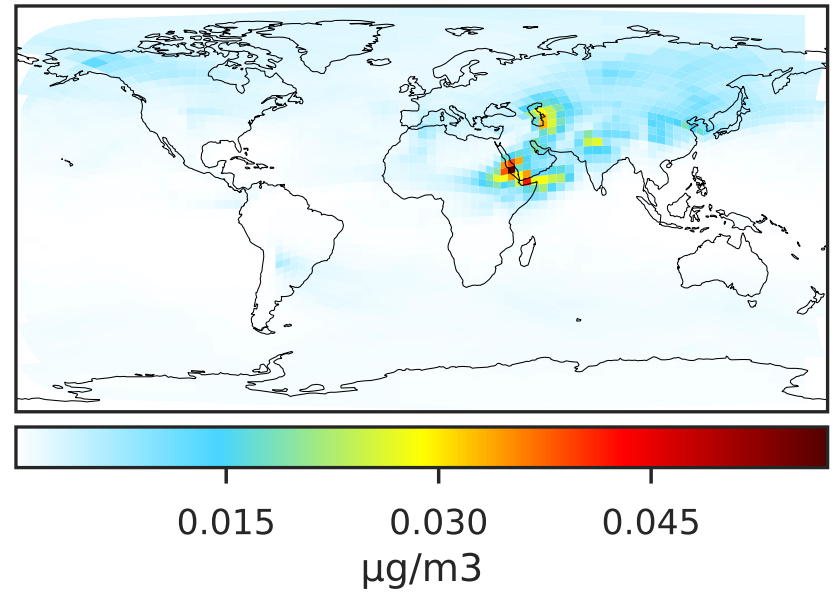
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HMS (Jul2019)

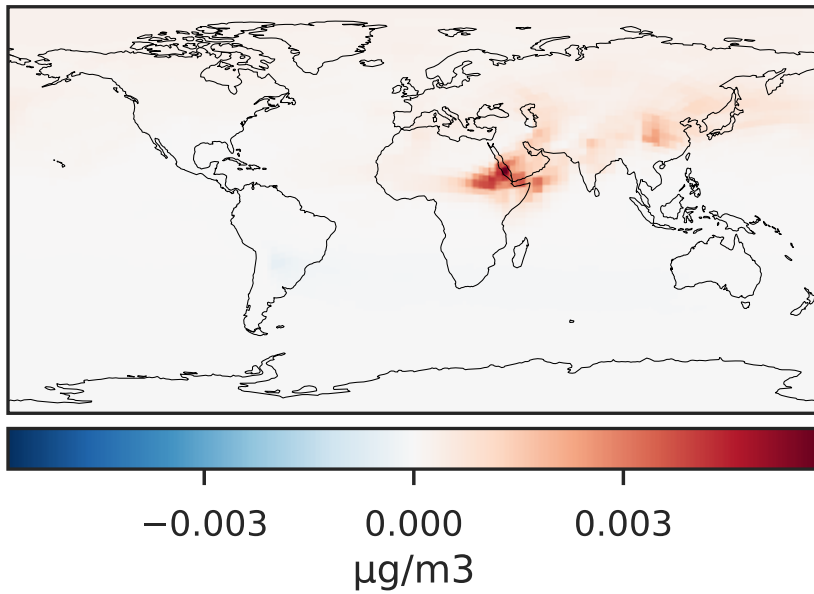
14.2.0-rc.2 (Ref)
c24



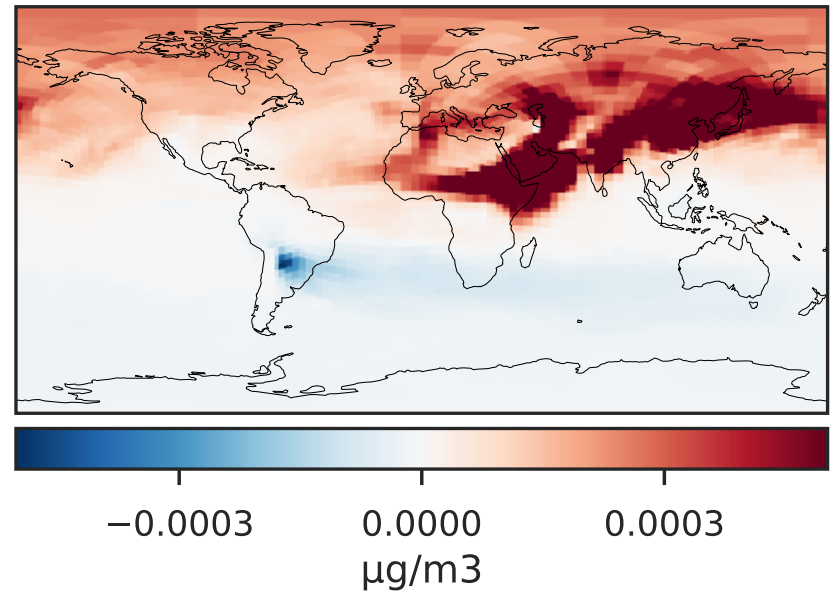
14.3.0-rc.0 (Dev)
c24



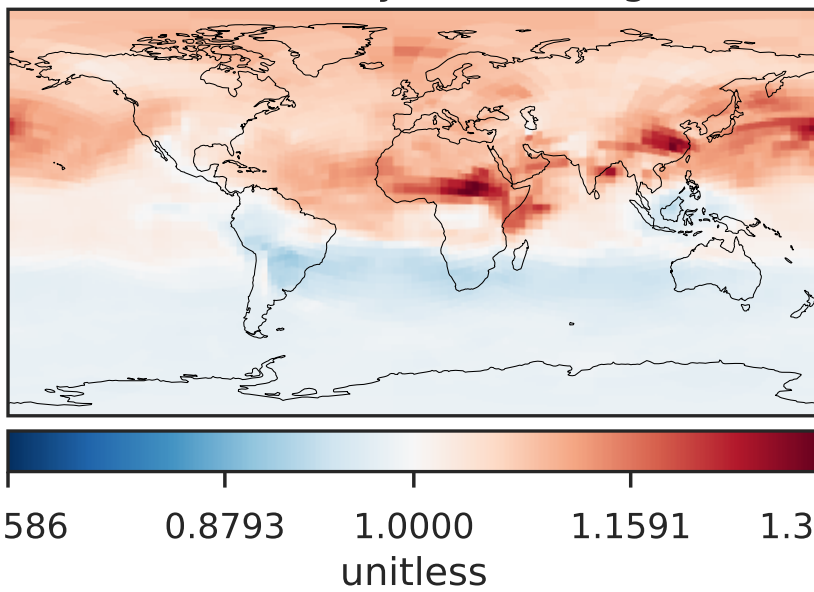
Difference (1x1.25)
Dev - Ref, Dynamic Range



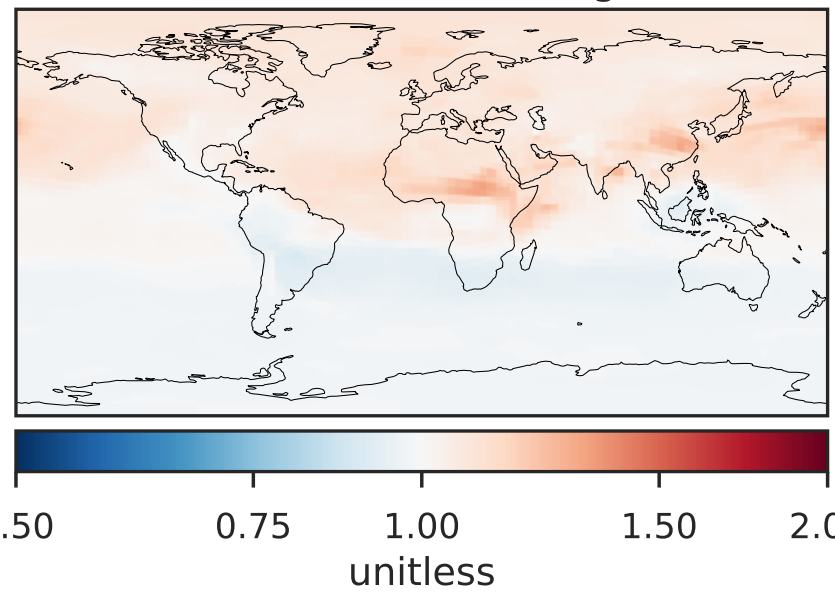
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

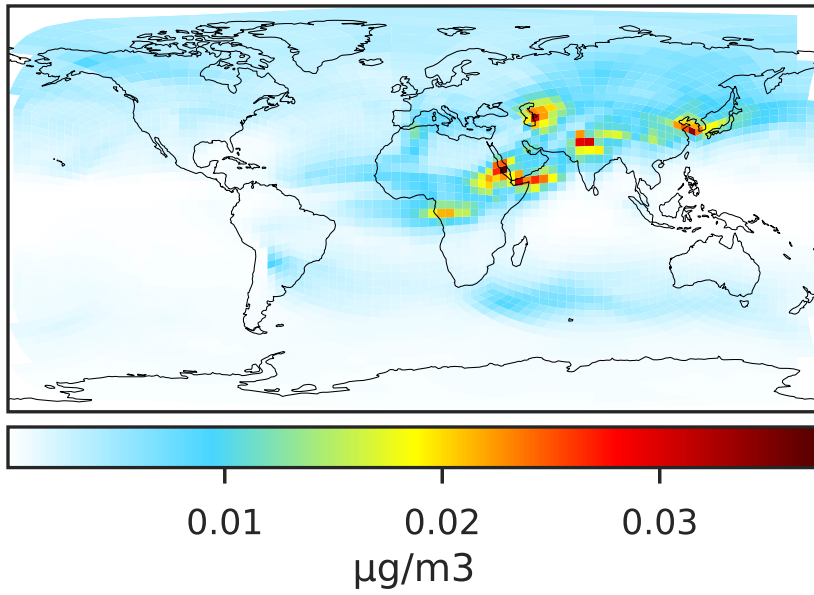


Ratio (1x1.25)
Dev/Ref, Fixed Range

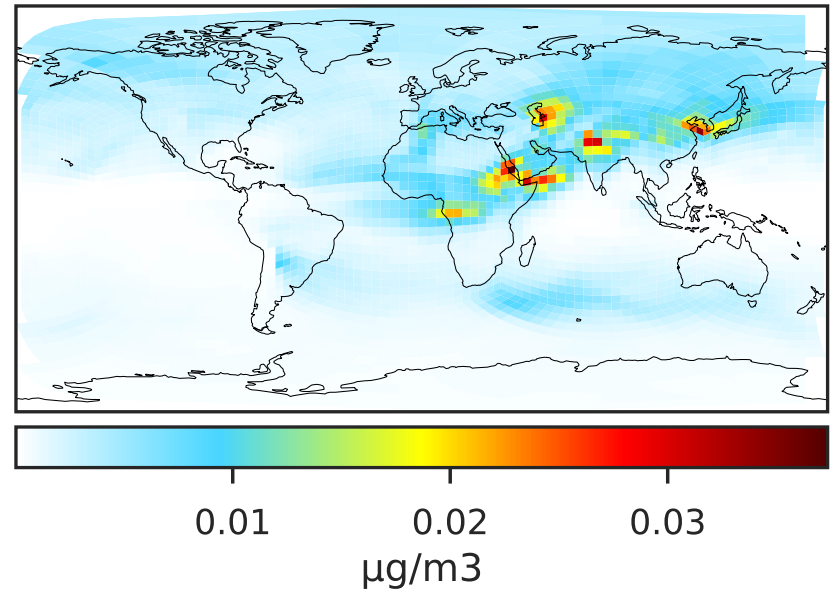


SpeciesConcVV_BCPI (Jul2019)

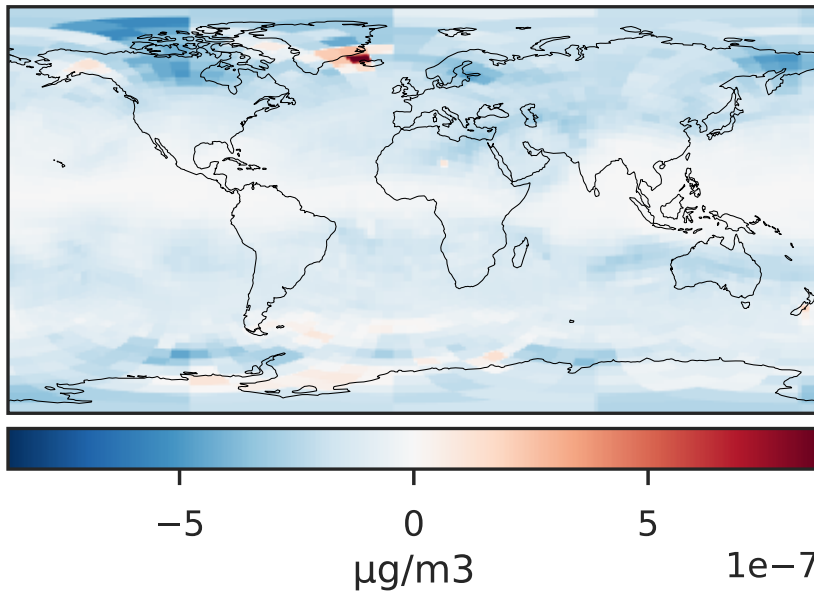
14.2.0-rc.2 (Ref)
c24



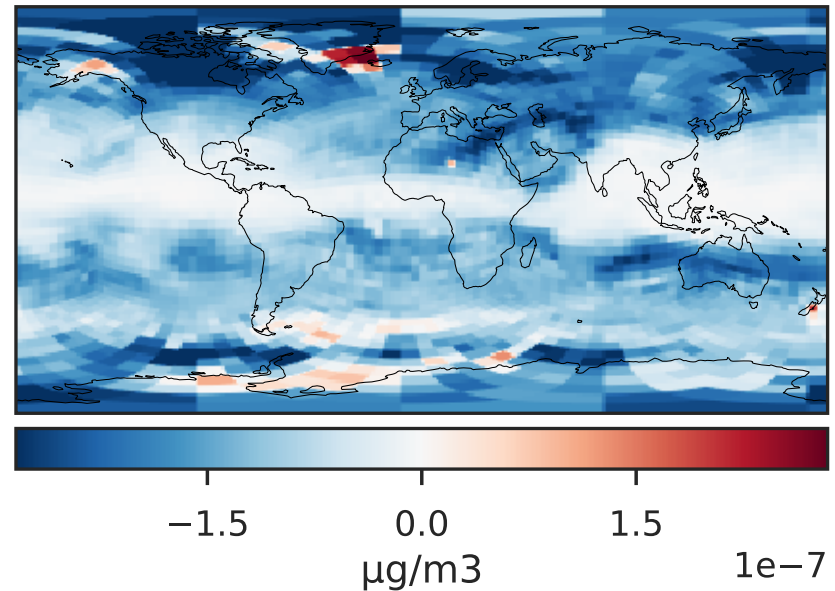
14.3.0-rc.0 (Dev)
c24



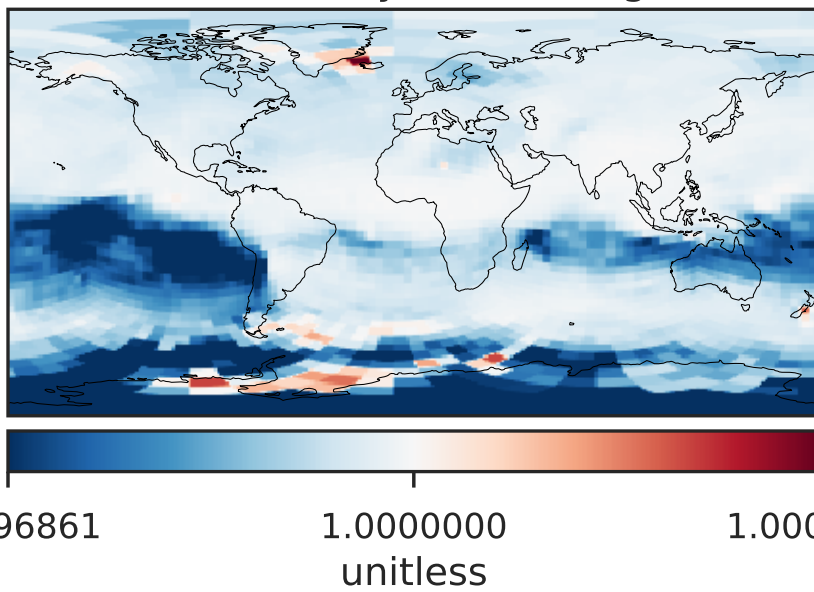
Difference (1x1.25)
Dev - Ref, Dynamic Range



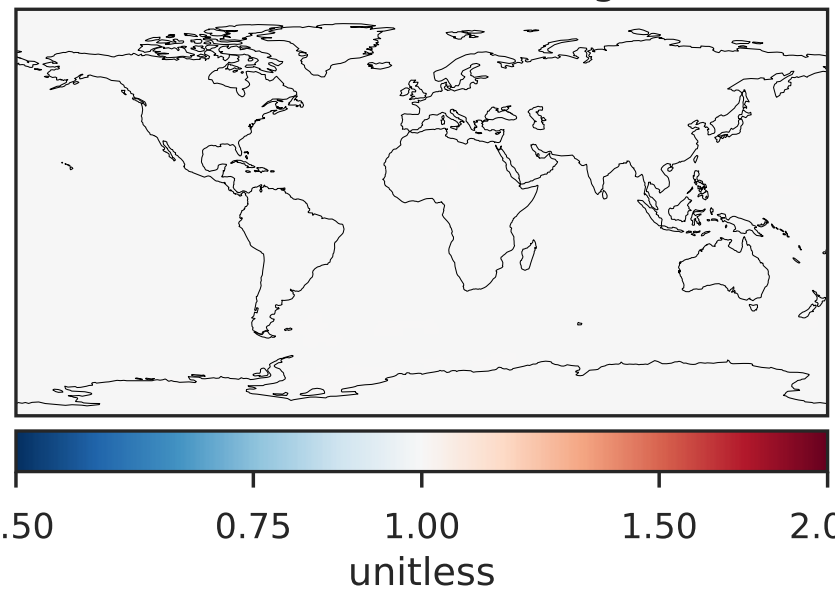
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

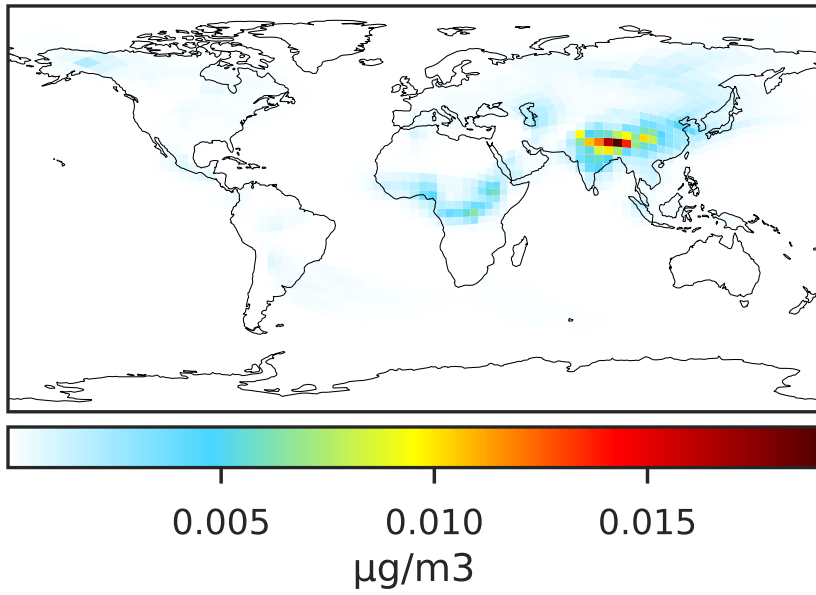


Ratio (1x1.25)
Dev/Ref, Fixed Range

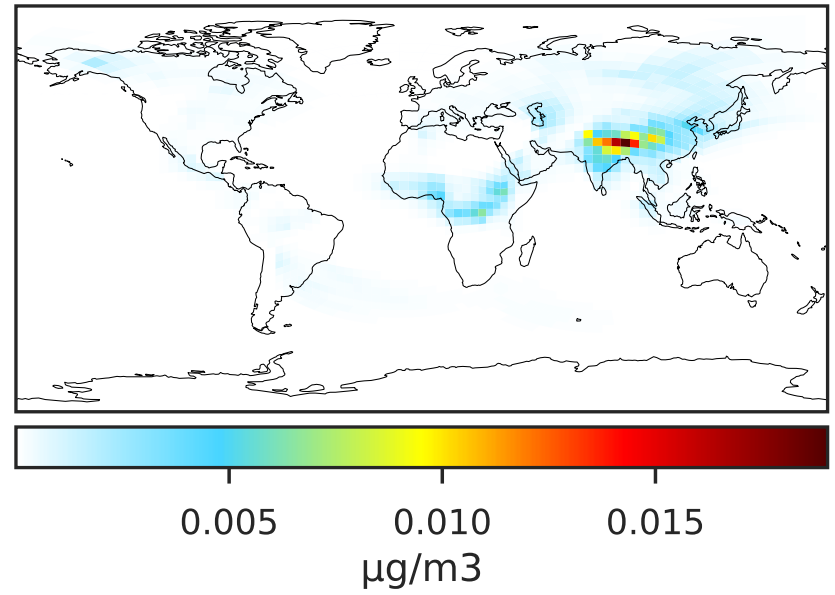


SpeciesConcVV_BCPO (Jul2019)

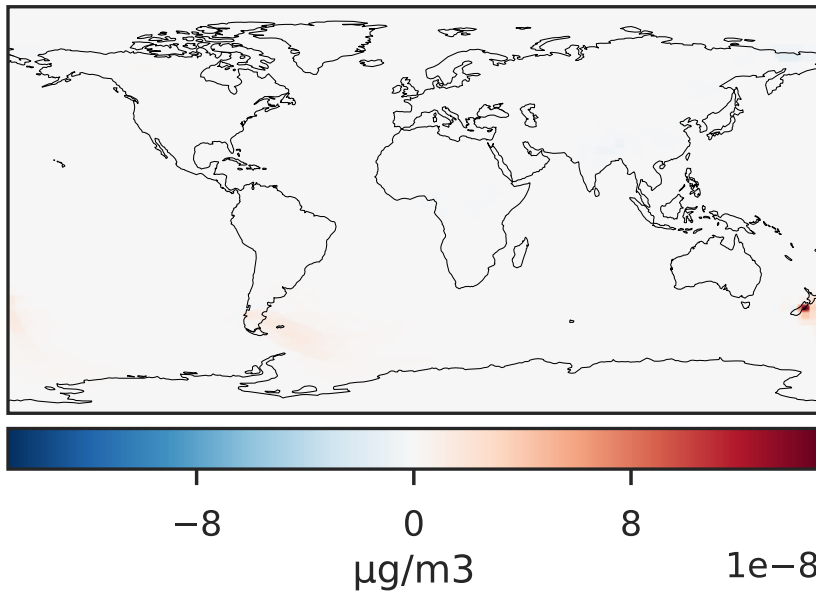
14.2.0-rc.2 (Ref)
c24



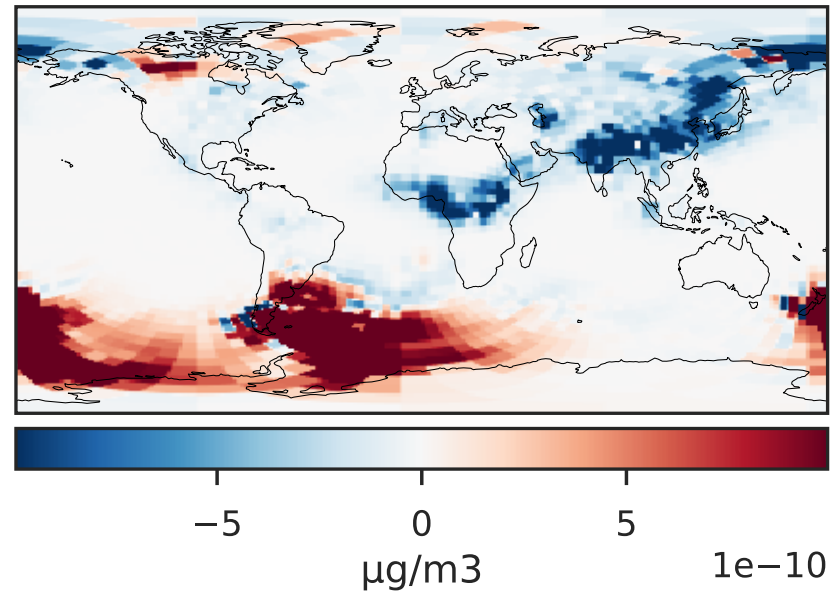
14.3.0-rc.0 (Dev)
c24



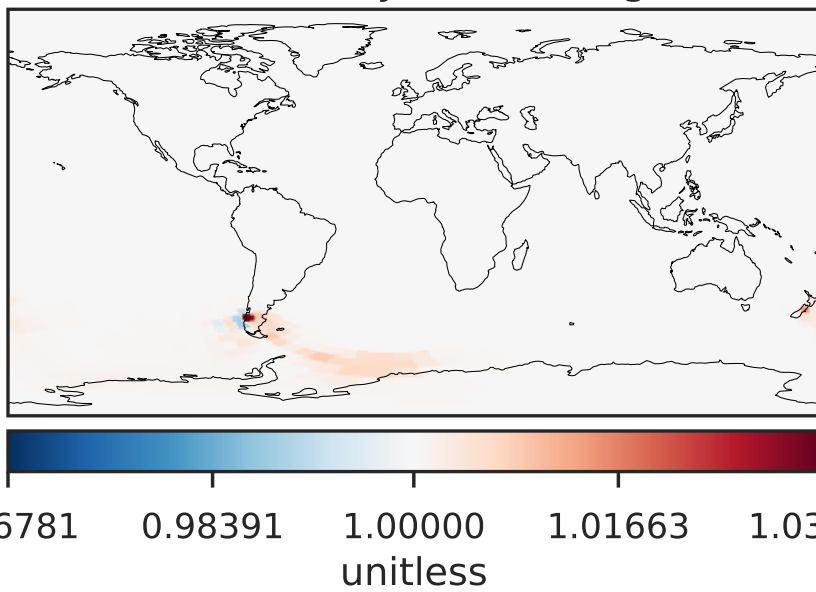
Difference (1x1.25)
Dev - Ref, Dynamic Range



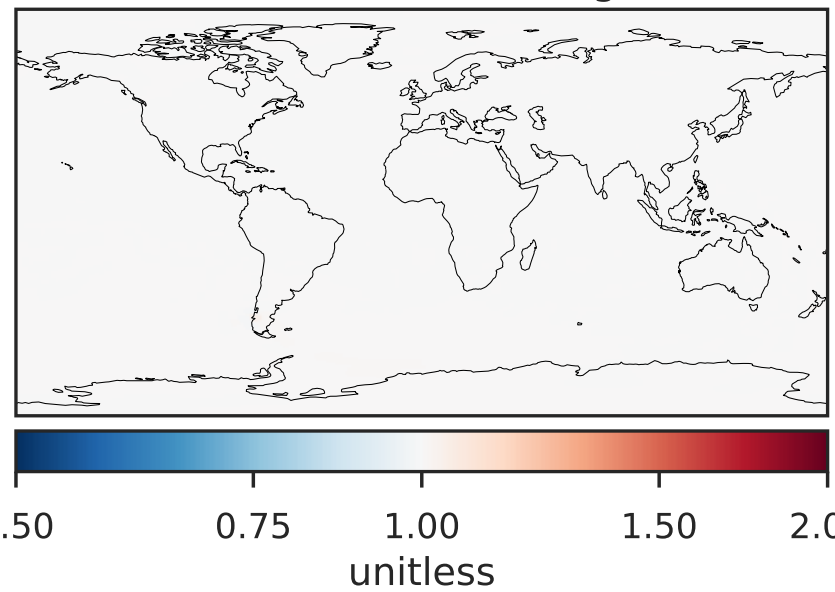
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

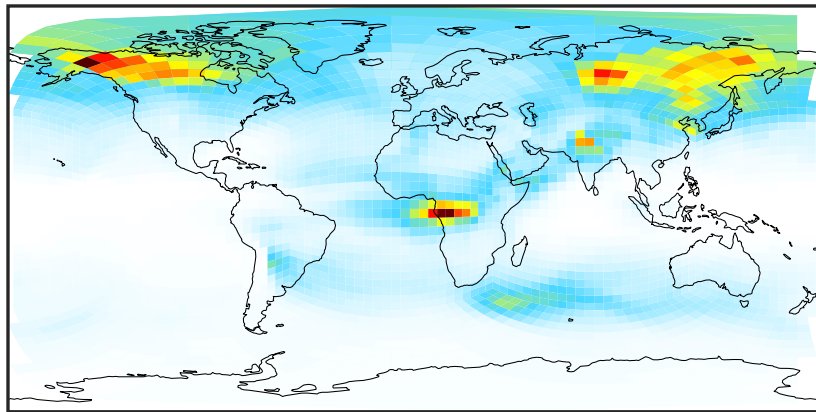


Ratio (1x1.25)
Dev/Ref, Fixed Range



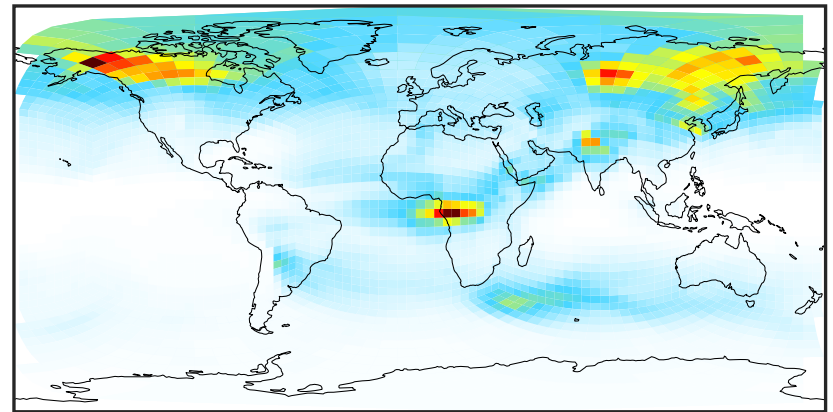
SpeciesConcVV_OCPI (Jul2019)

14.2.0-rc.2 (Ref)
c24



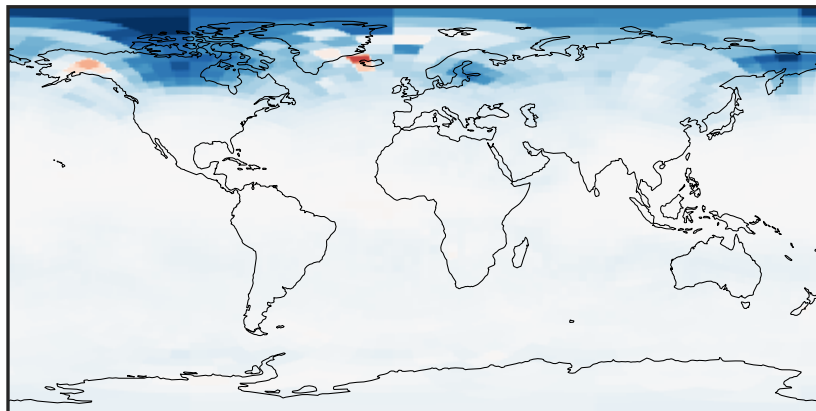
0.0001 0.0340 0.0680 0.1019 0.1358
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



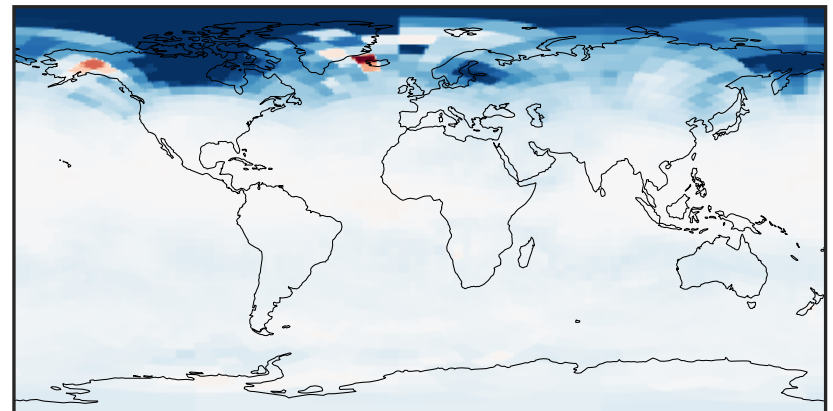
0.0001 0.0340 0.0680 0.1019 0.1358
 $\mu\text{g}/\text{m}^3$

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



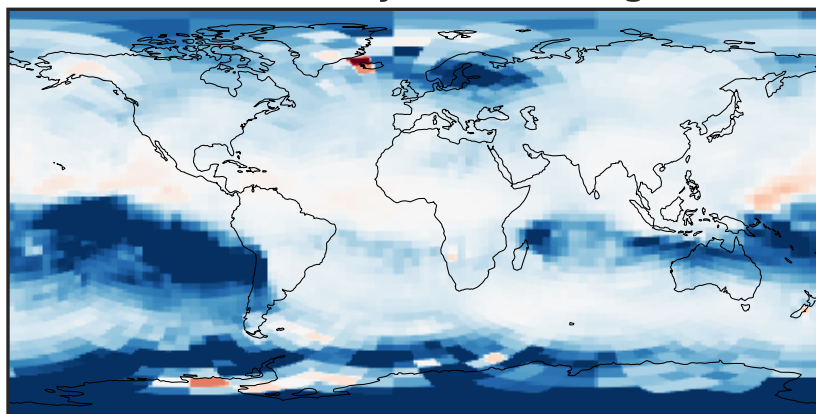
-5 0 5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

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



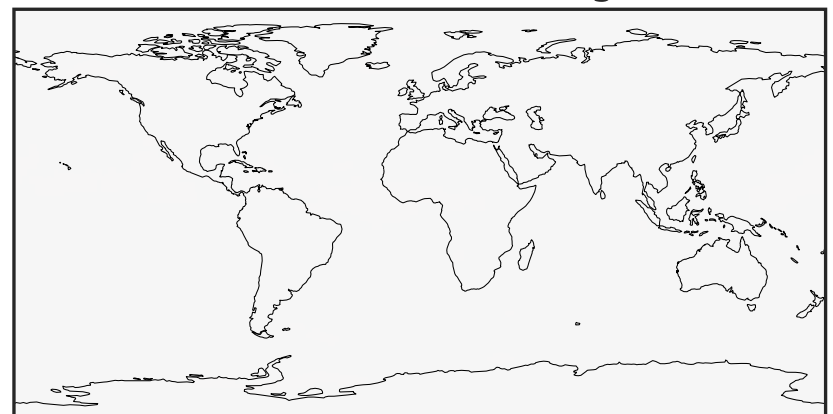
-3 0 3
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

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



0.9997283 1.000000 1.0002717
unitless

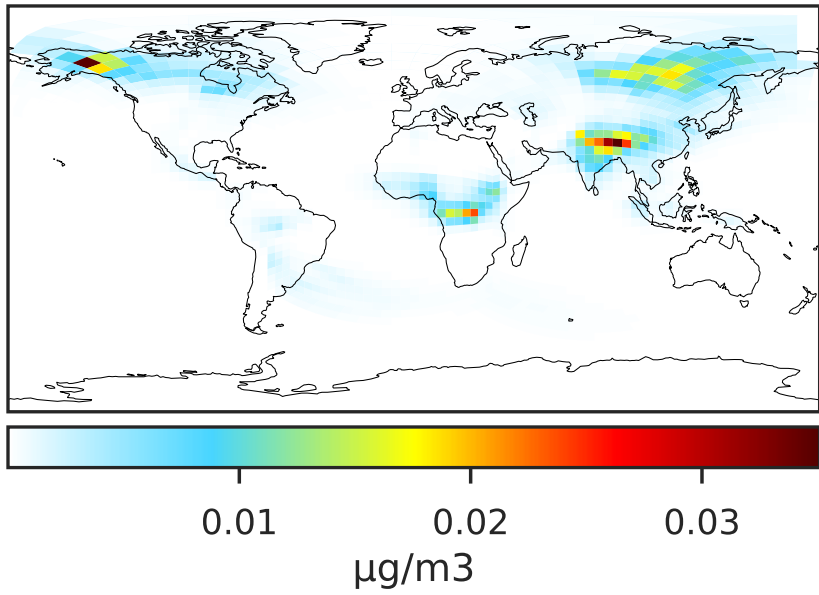
Ratio (1x1.25)
Dev/Ref, Fixed Range



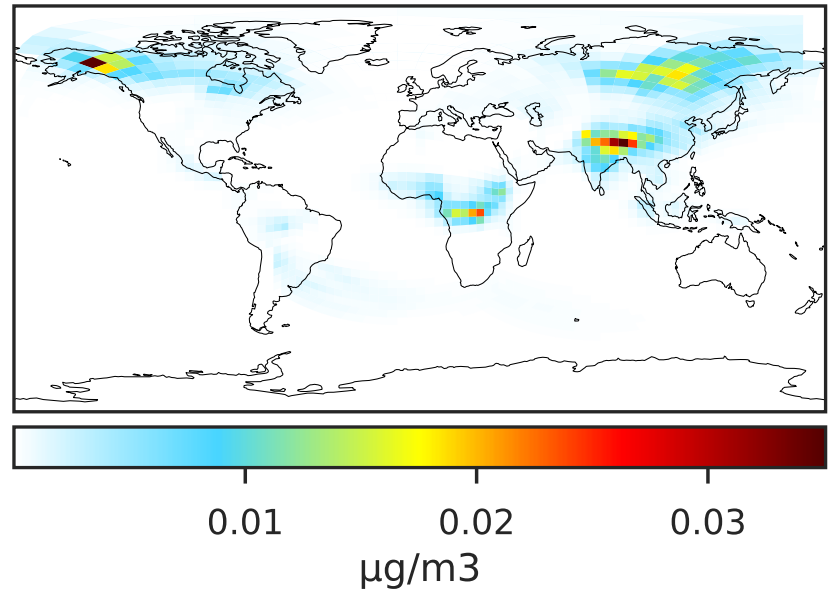
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_OCPO (Jul2019)

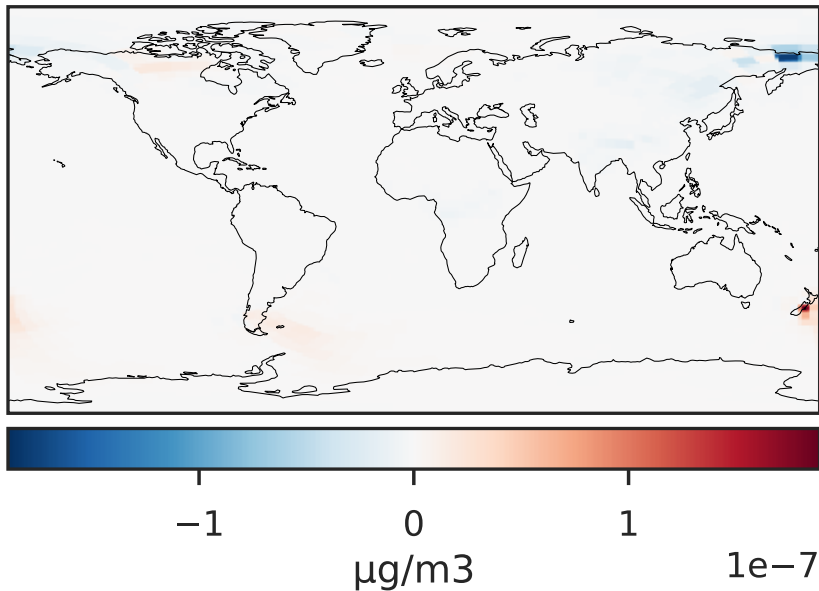
14.2.0-rc.2 (Ref)
c24



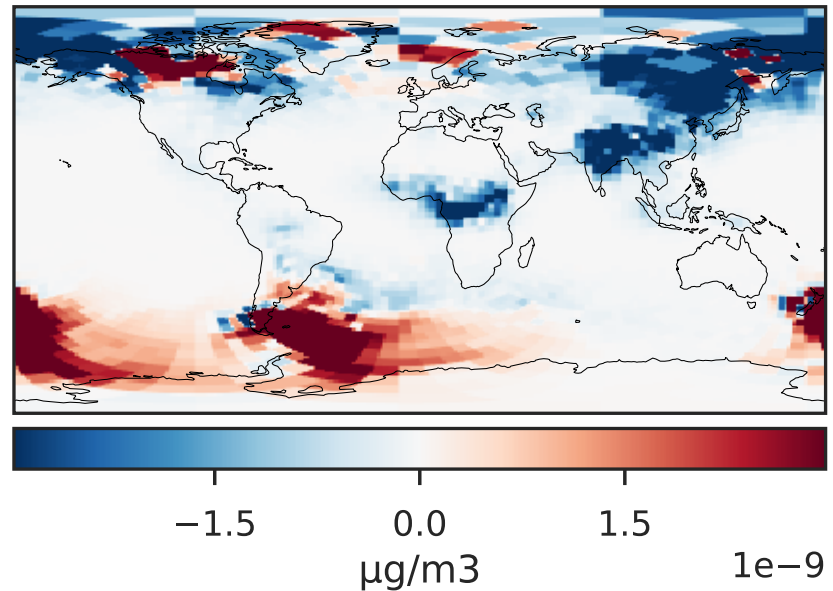
14.3.0-rc.0 (Dev)
c24



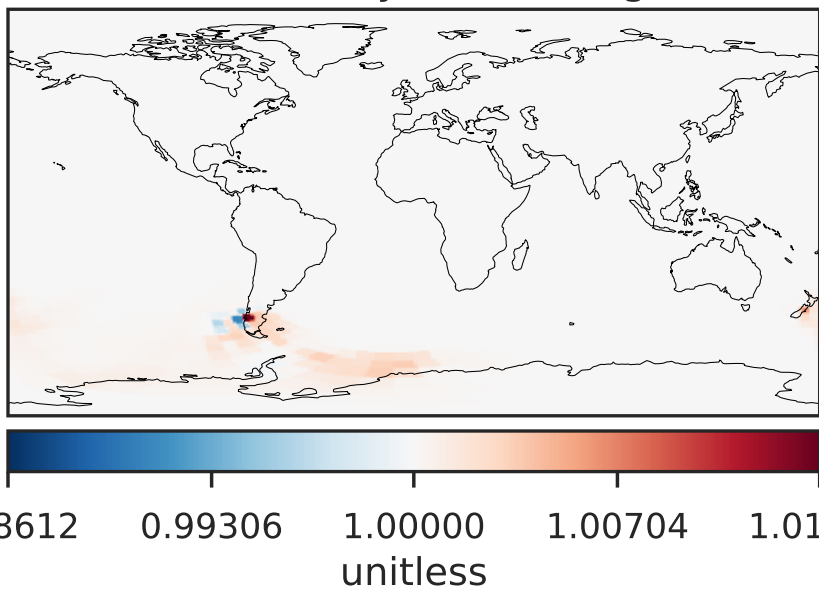
Difference (1x1.25)
Dev - Ref, Dynamic Range



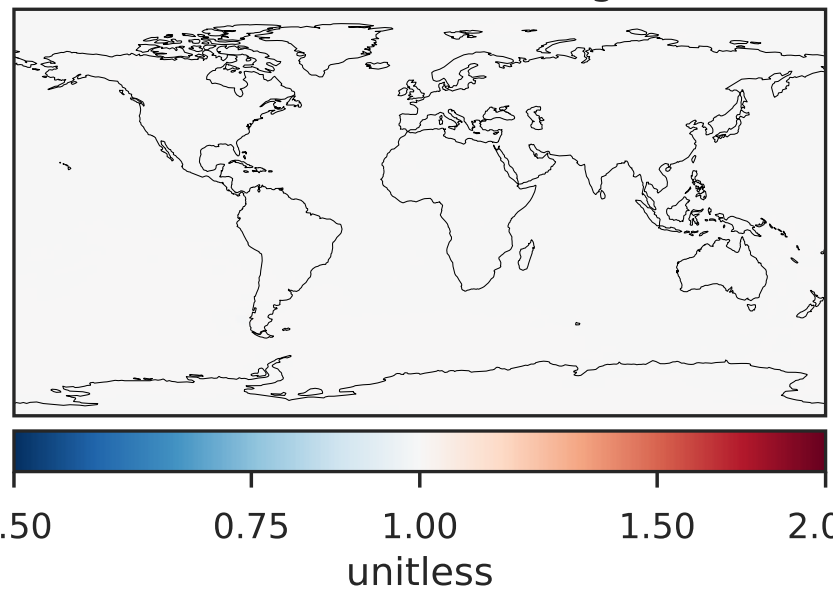
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

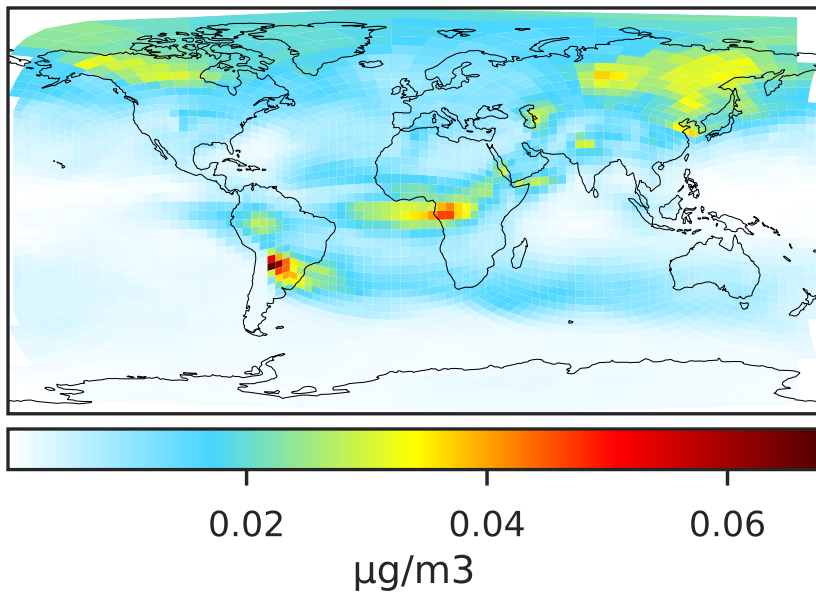


Ratio (1x1.25)
Dev/Ref, Fixed Range

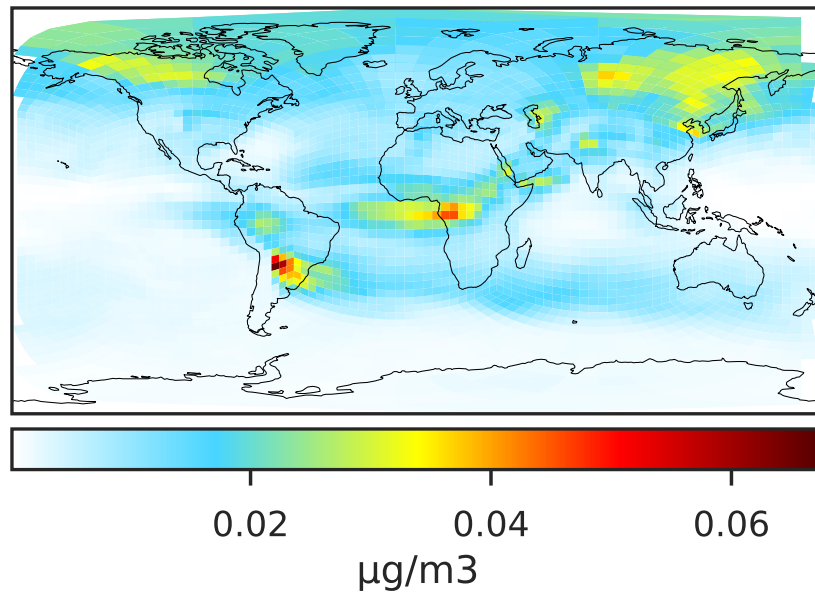


SpeciesConcVV_Complex_SOA (Jul2019)

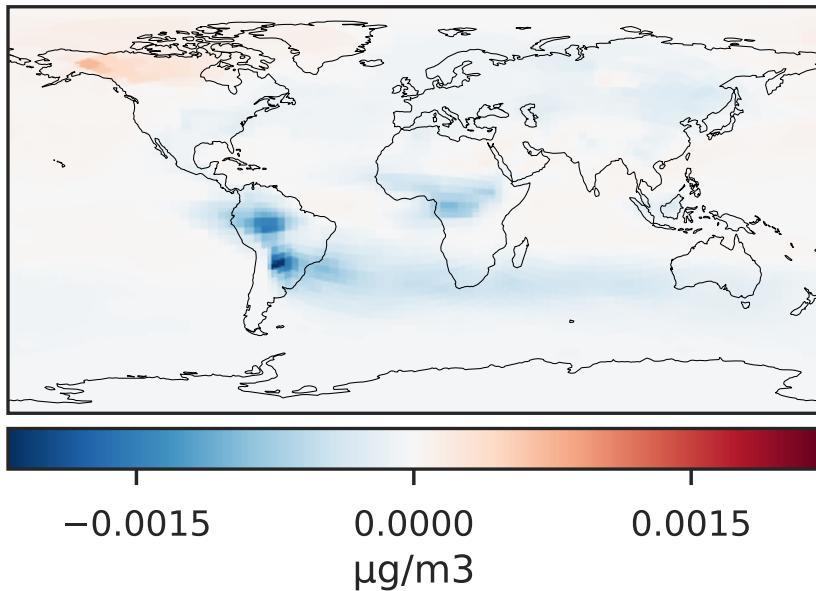
14.2.0-rc.2 (Ref)
c24



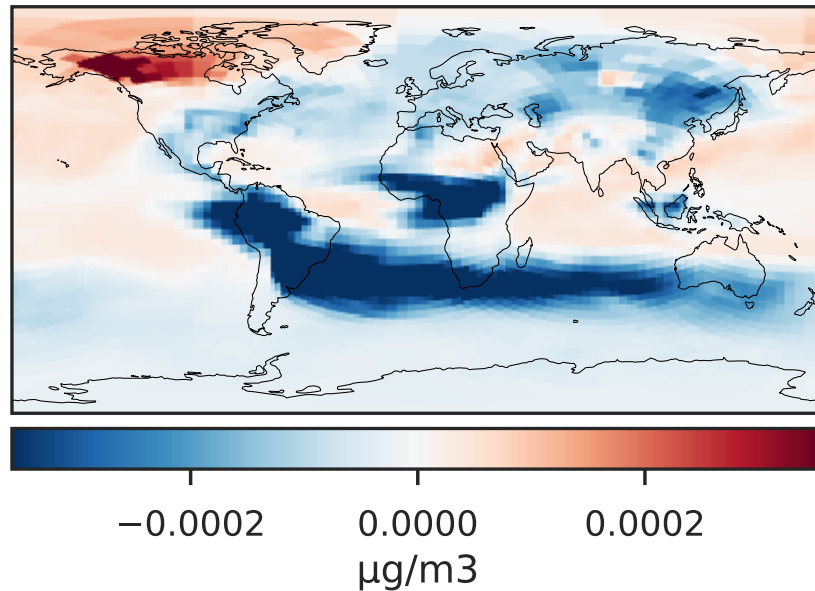
14.3.0-rc.0 (Dev)
c24



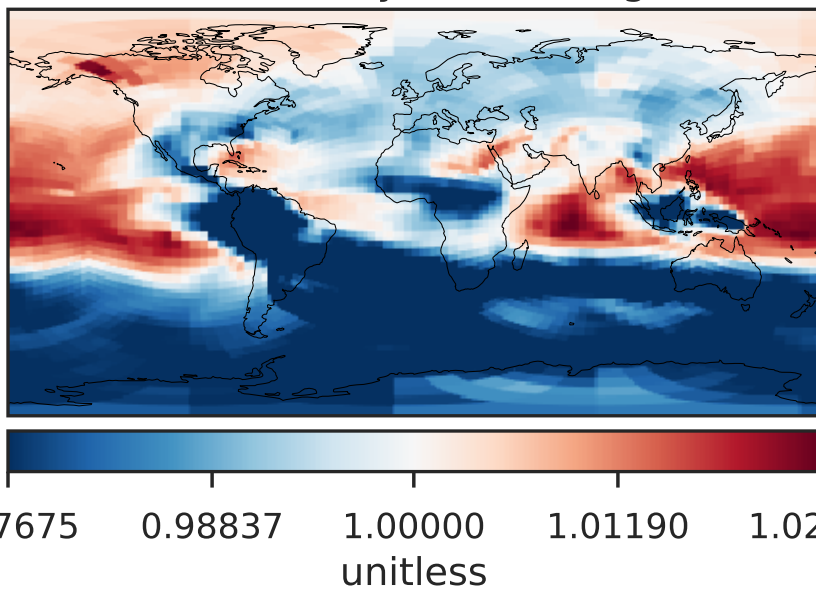
Difference (1x1.25)
Dev - Ref, Dynamic Range



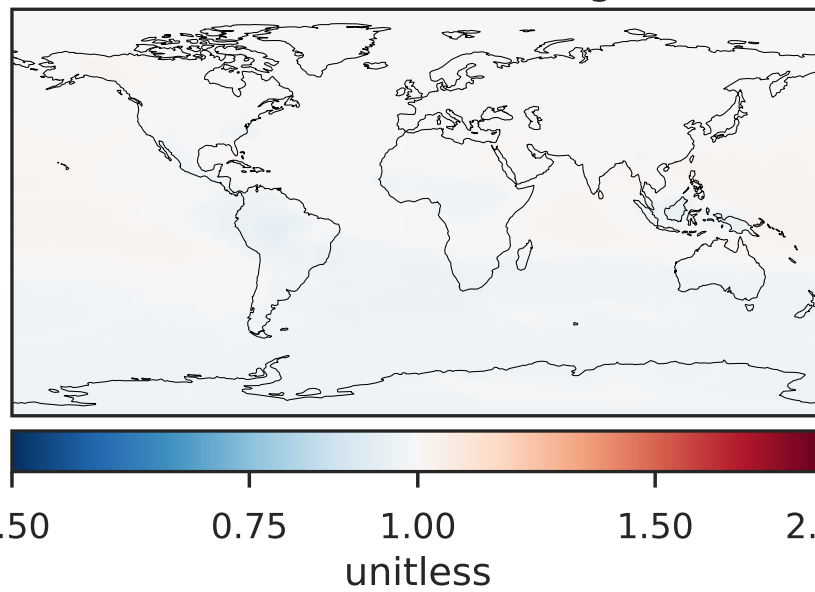
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

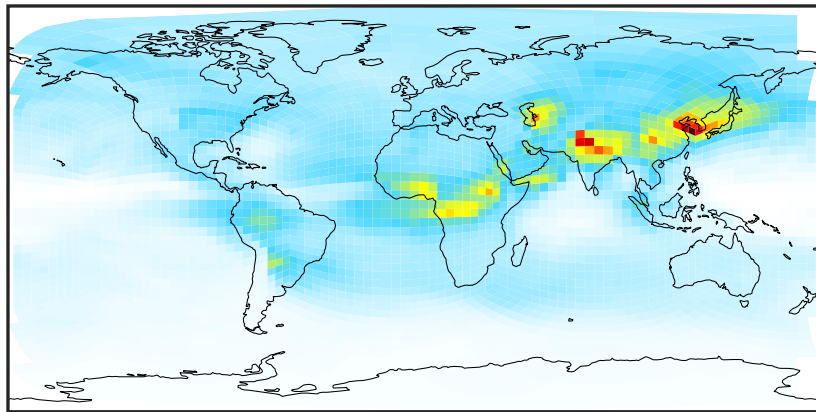


Ratio (1x1.25)
Dev/Ref, Fixed Range



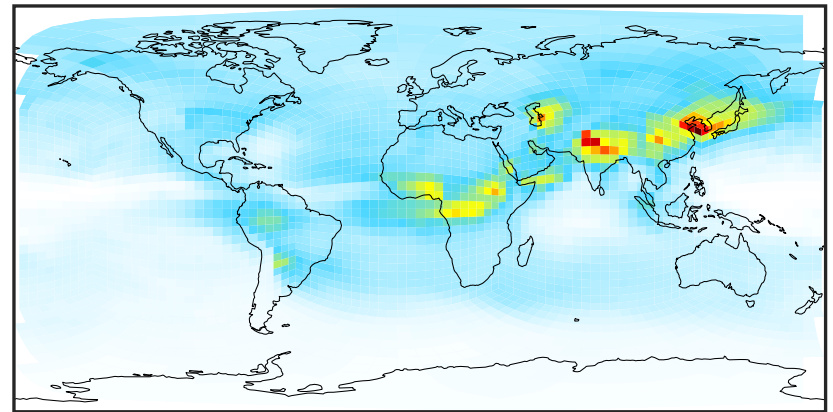
SpeciesConcVV_Simple_SOA (Jul2019)

14.2.0-rc.2 (Ref)
c24



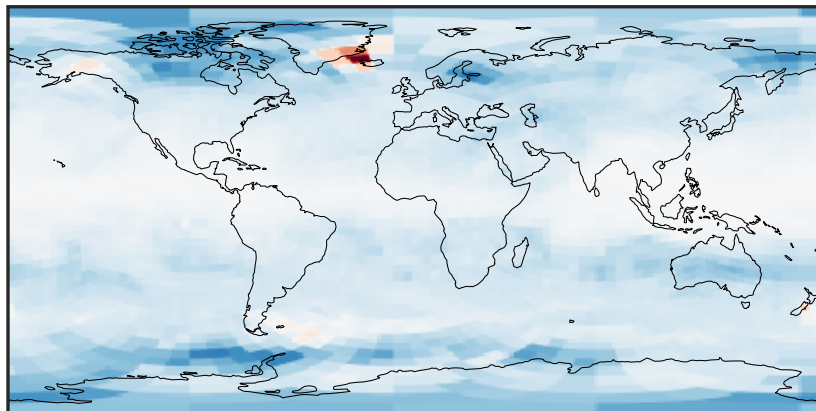
0.0020 0.1386 0.2753 0.4119 0.5485
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



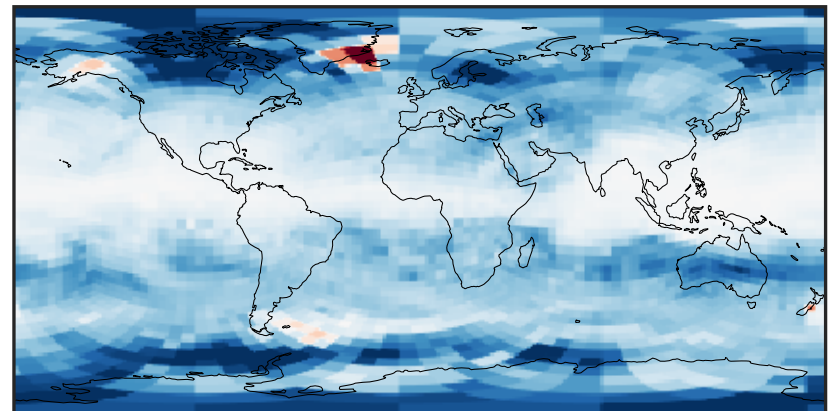
0.0020 0.1386 0.2753 0.4119 0.5485
 $\mu\text{g}/\text{m}^3$

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



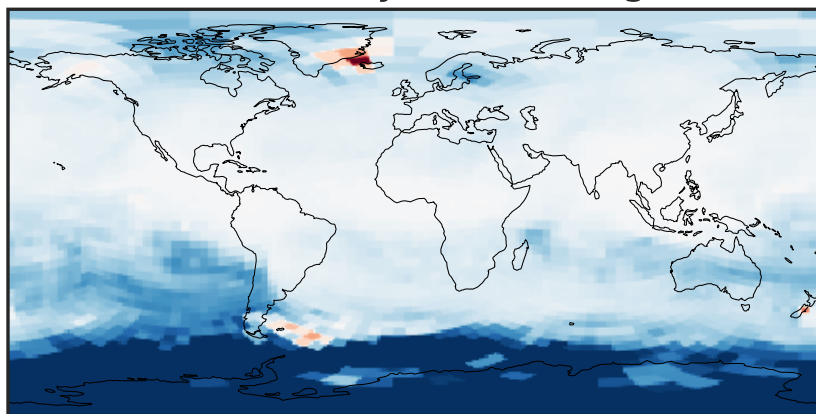
-5 0 5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

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



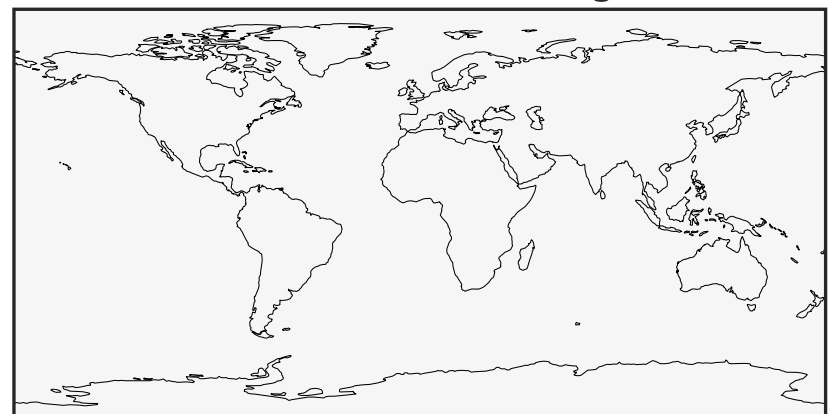
-2.5 0.0 2.5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

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



0.9998183 1.000000 1.0001818
unitless

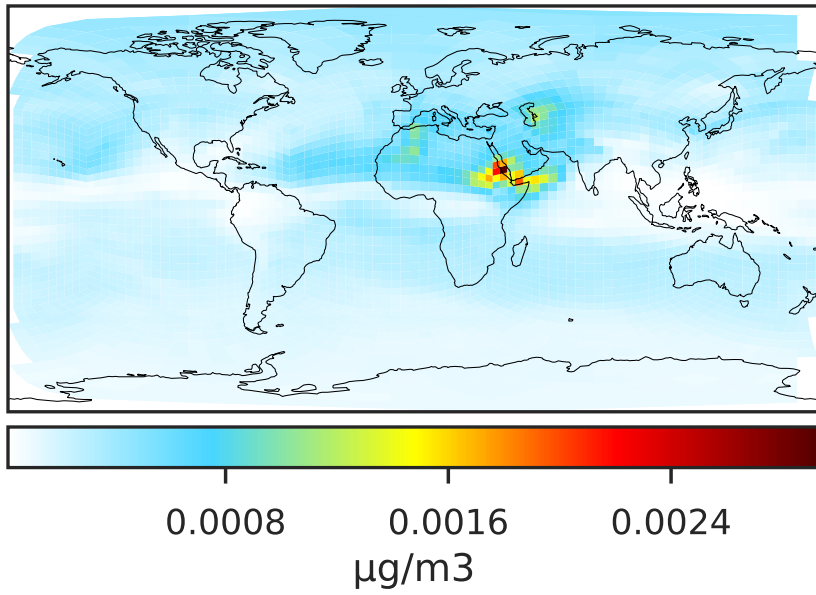
Ratio (1x1.25)
Dev/Ref, Fixed Range



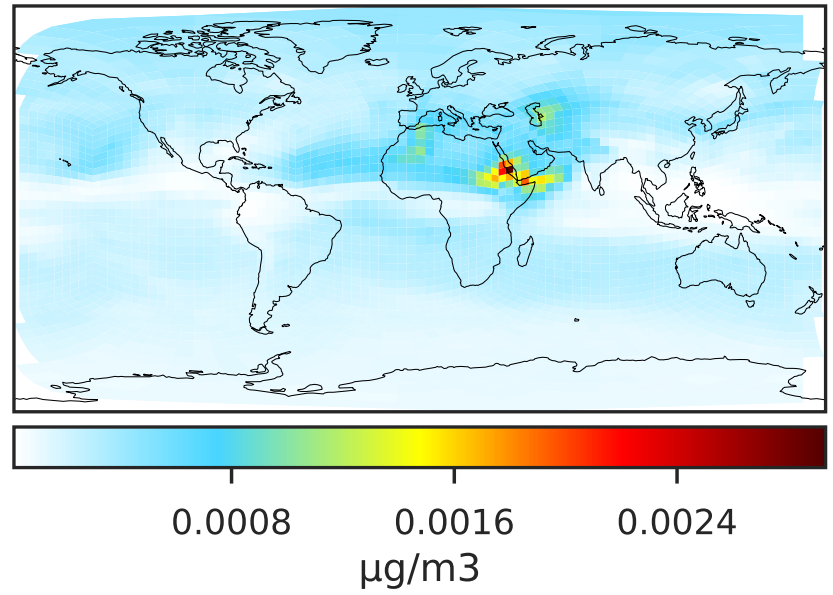
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_AERI (Jul2019)

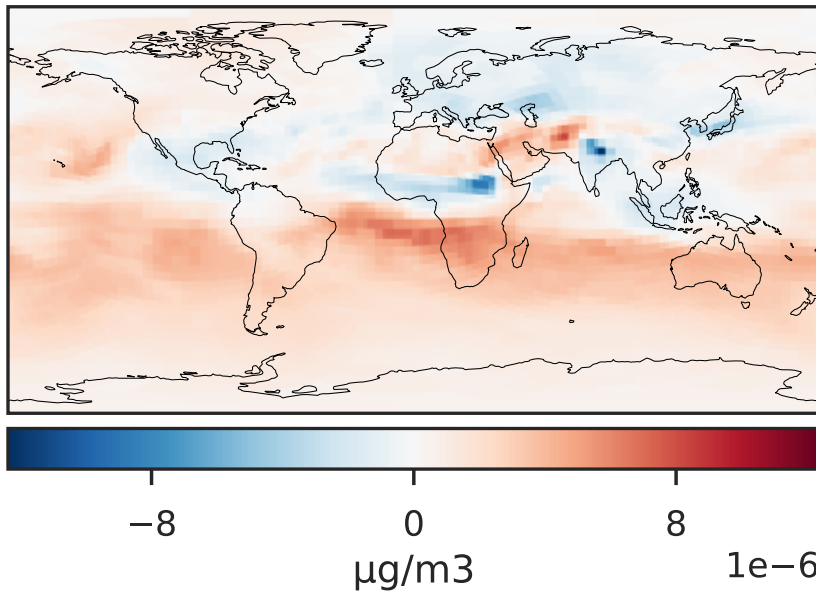
14.2.0-rc.2 (Ref)
c24



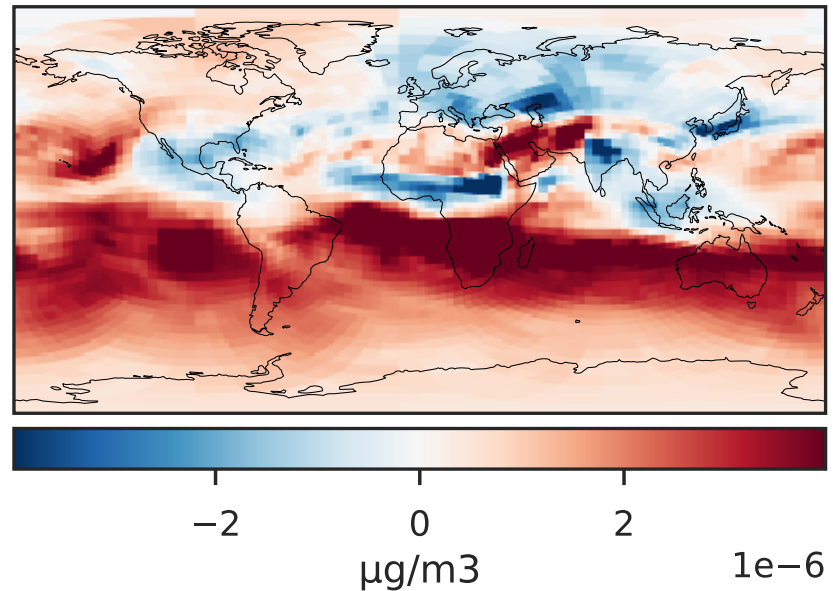
14.3.0-rc.0 (Dev)
c24



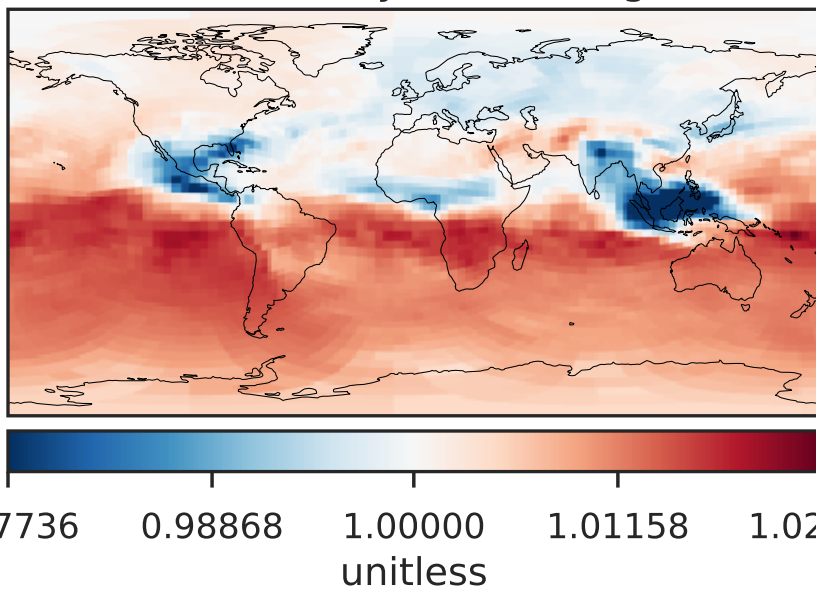
Difference (1x1.25)
Dev - Ref, Dynamic Range



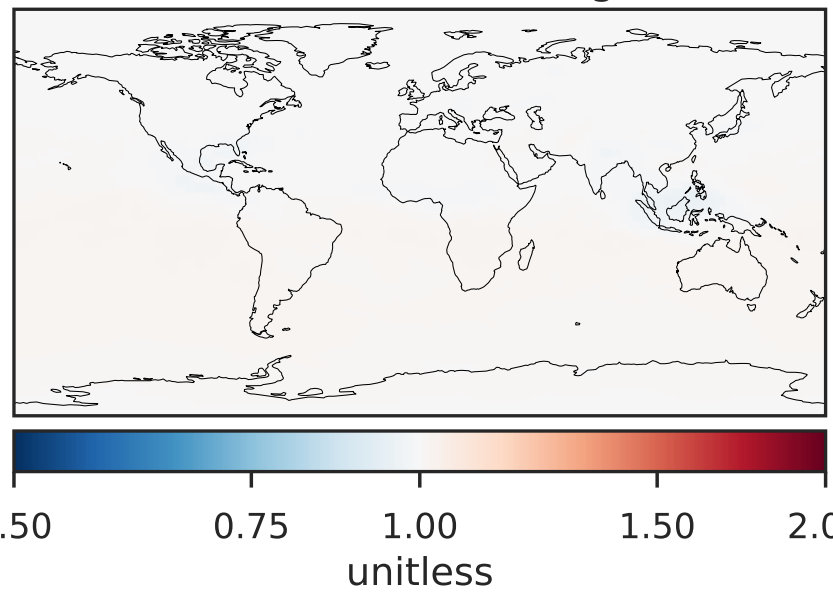
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

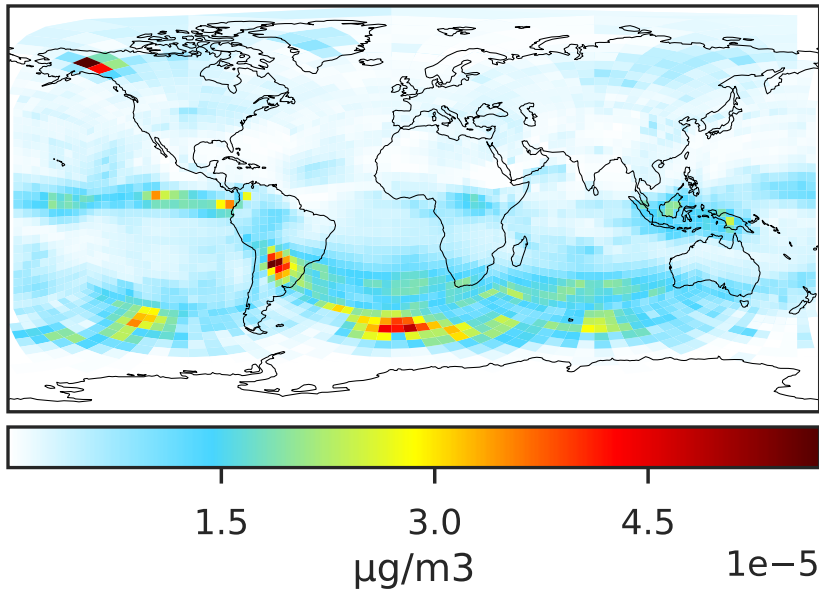


Ratio (1x1.25)
Dev/Ref, Fixed Range

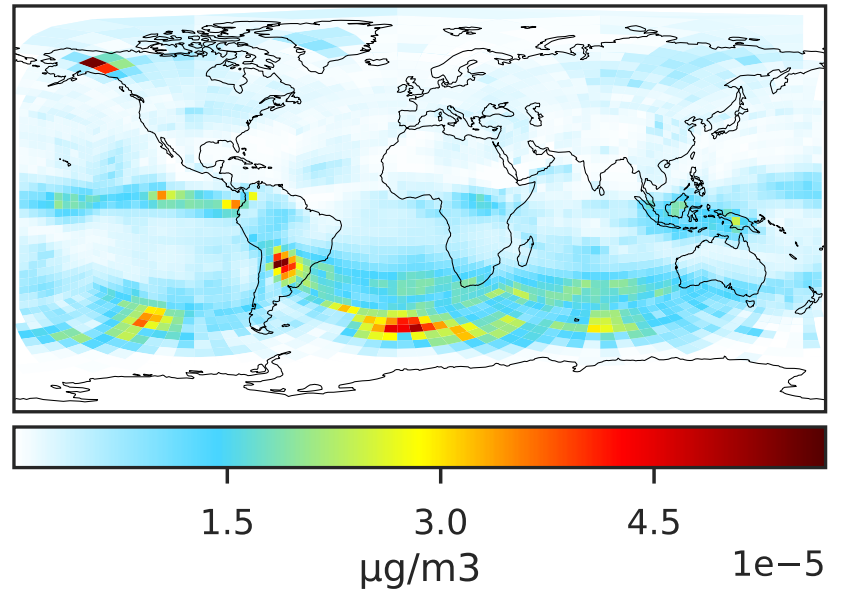


SpeciesConcVV_BrSALA (Jul2019)

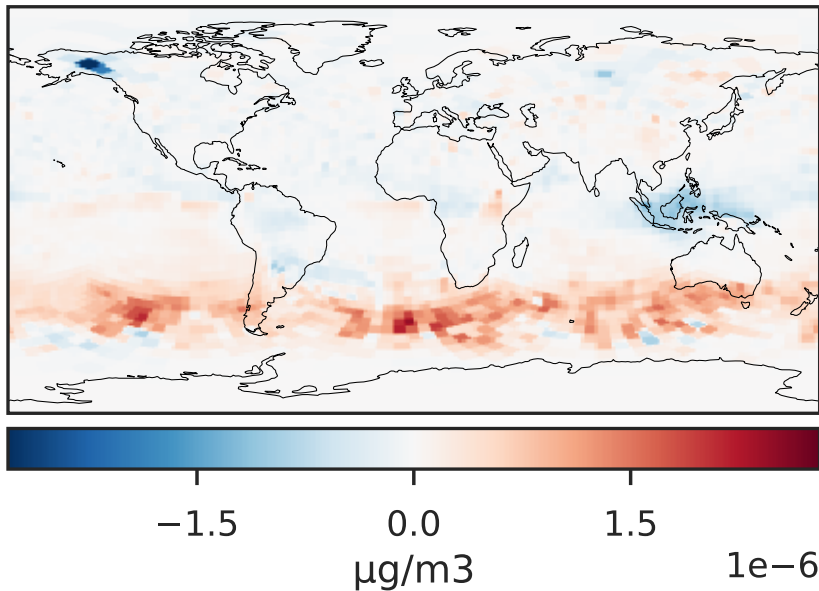
14.2.0-rc.2 (Ref)
c24



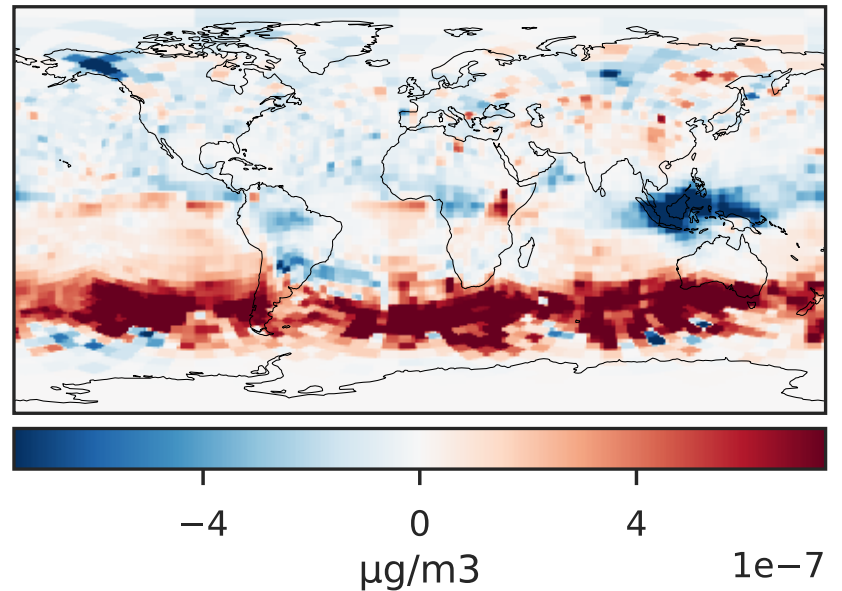
14.3.0-rc.0 (Dev)
c24



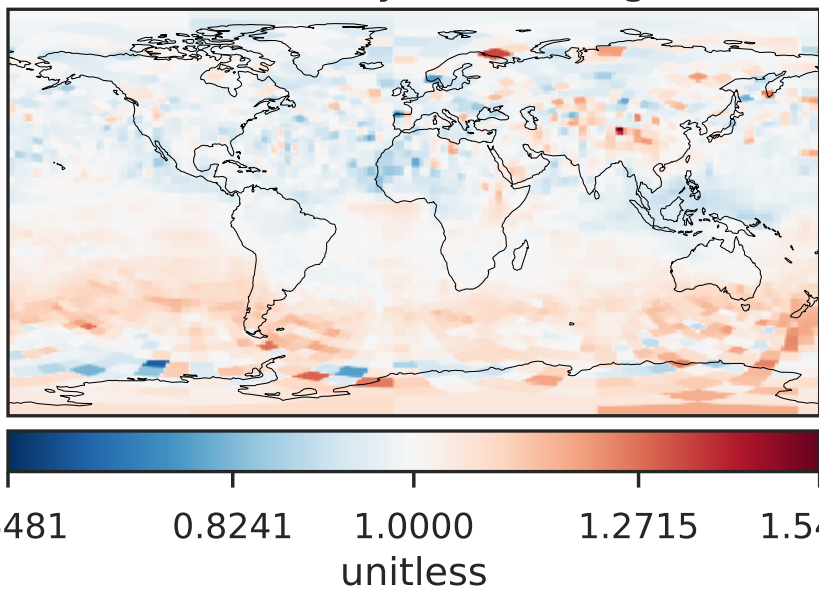
Difference (1x1.25)
Dev - Ref, Dynamic Range



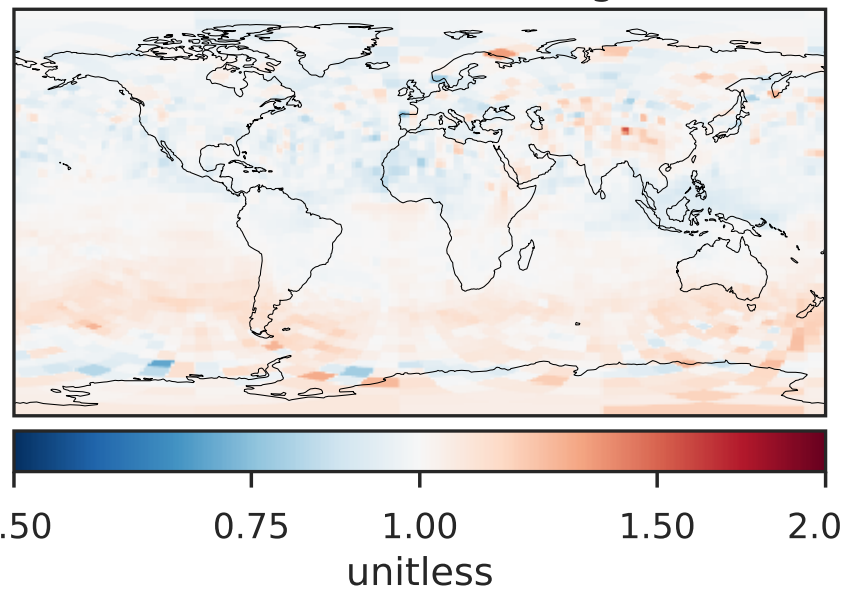
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

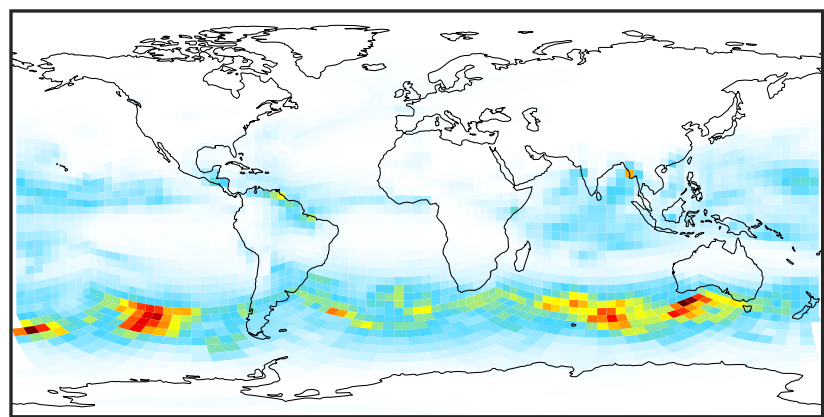


Ratio (1x1.25)
Dev/Ref, Fixed Range



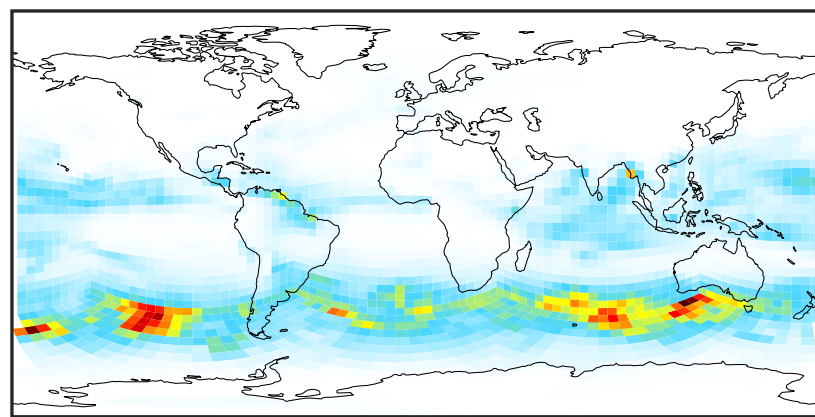
SpeciesConcVW_BrSALC (Jul2019)

14.2.0-rc.2 (Ref)
c24



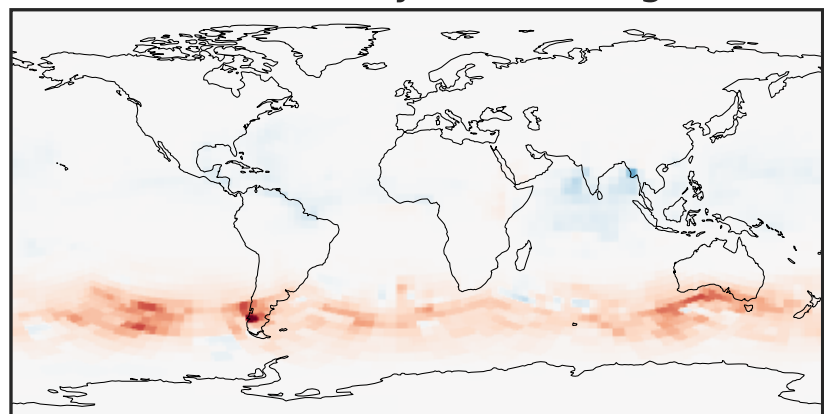
0.5 1.0 1.5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

14.3.0-rc.0 (Dev)
c24



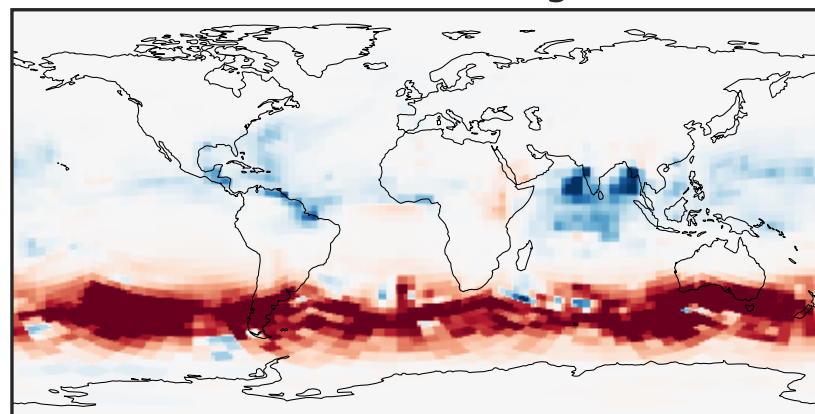
0.5 1.0 1.5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



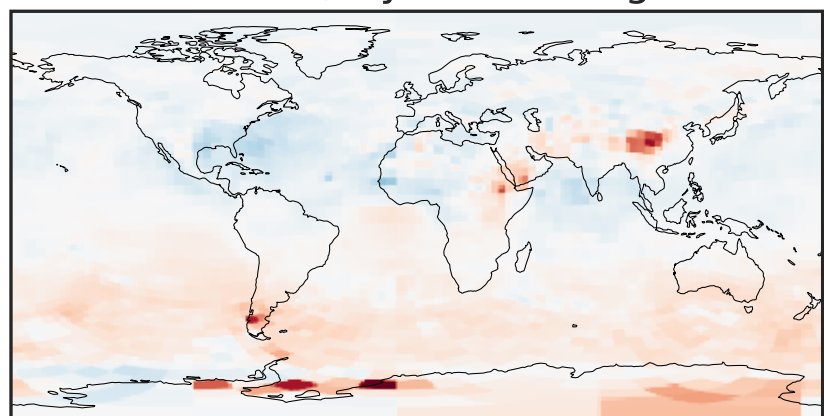
-5 0 5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-7$

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



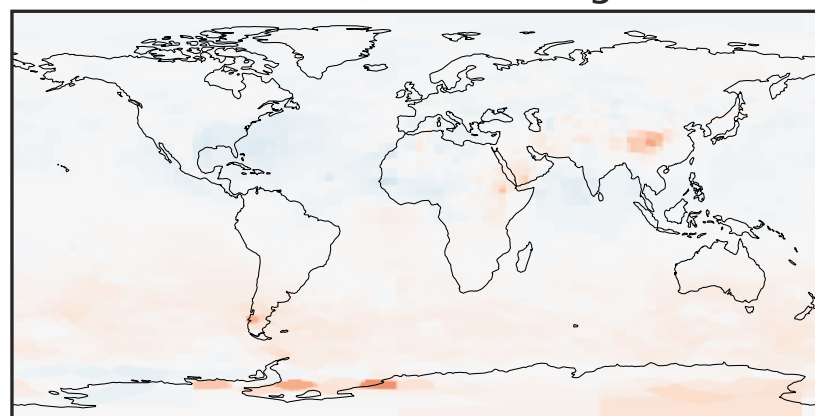
-1 0 1
 $\mu\text{g}/\text{m}^3$ $1\text{e}-7$

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



0.7325 0.8663 1.0000 1.1826 1.3651
unitless

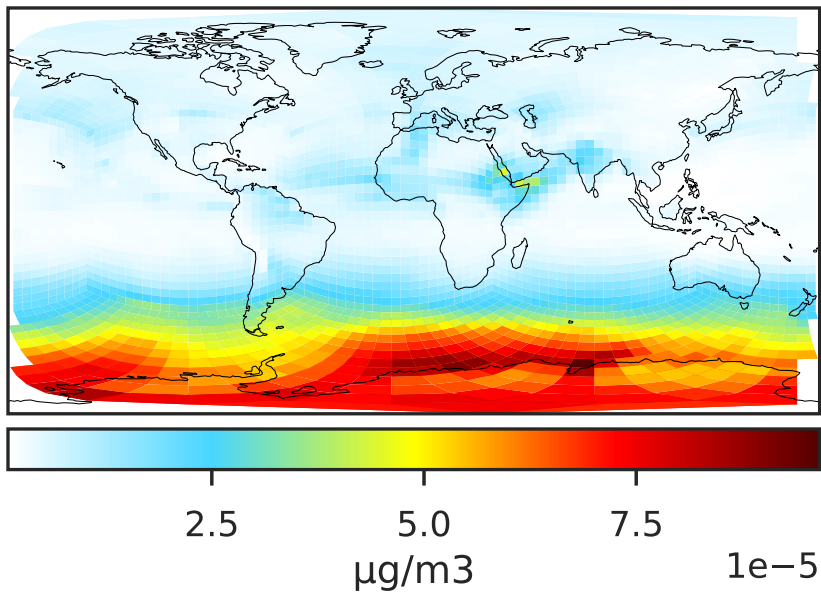
Ratio (1x1.25)
Dev/Ref, Fixed Range



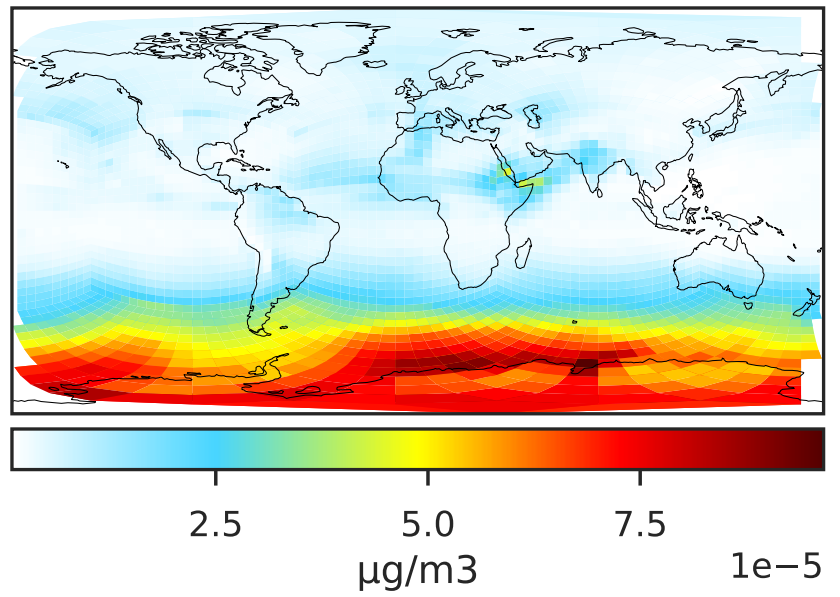
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ISALA (Jul2019)

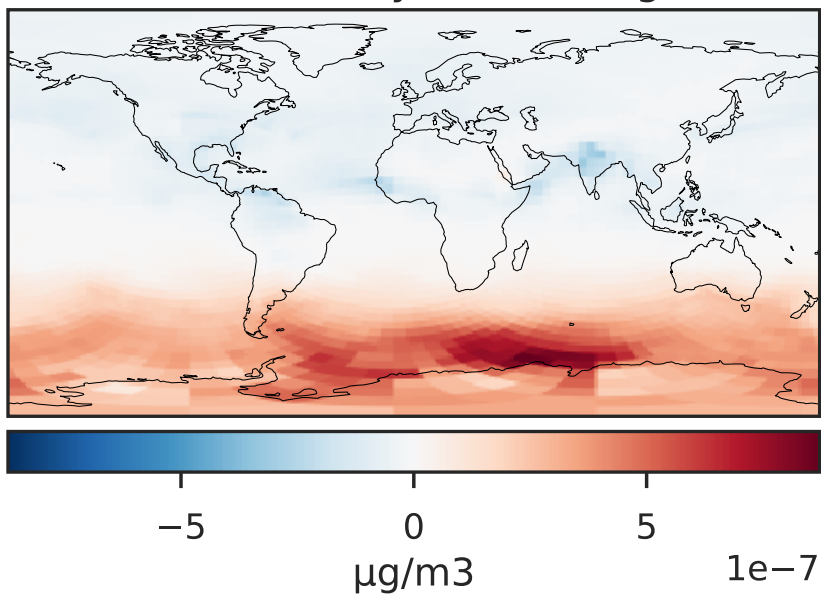
14.2.0-rc.2 (Ref)
c24



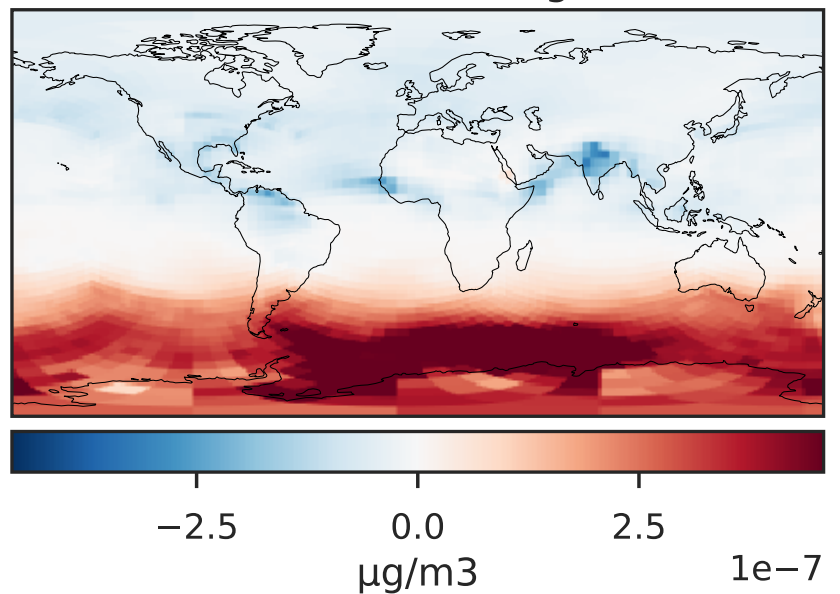
14.3.0-rc.0 (Dev)
c24



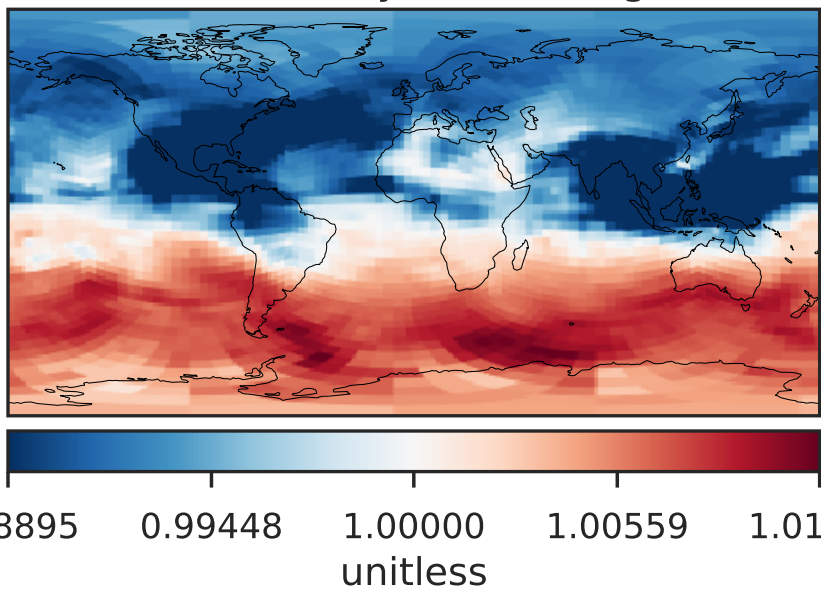
Difference (1x1.25)
Dev - Ref, Dynamic Range



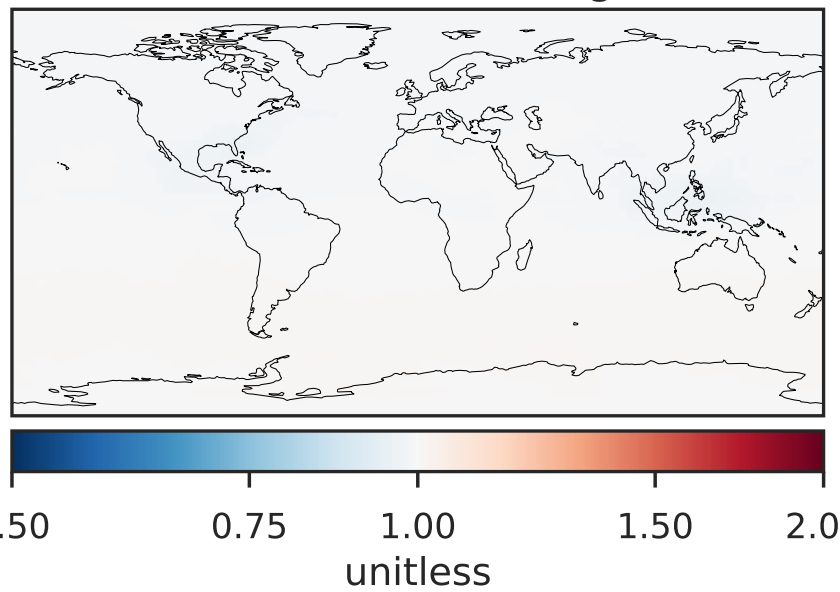
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

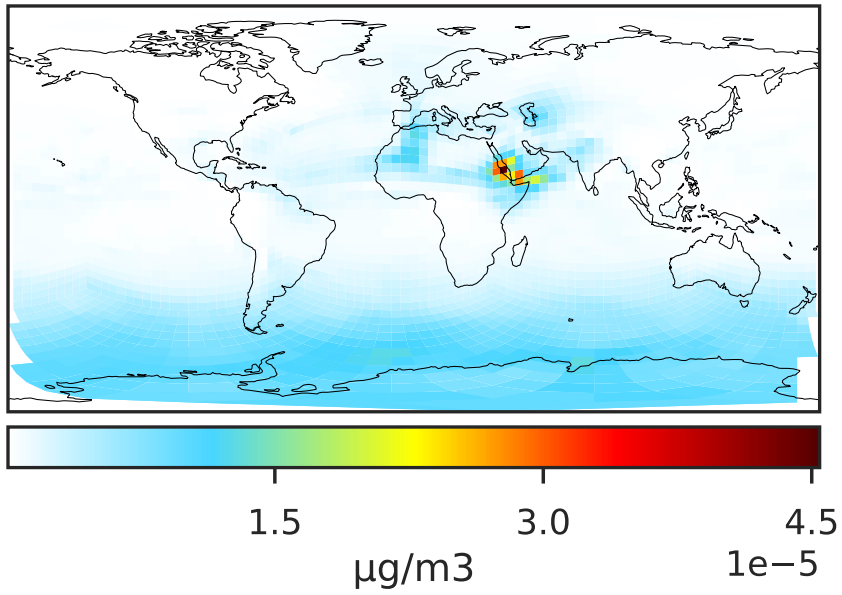


Ratio (1x1.25)
Dev/Ref, Fixed Range

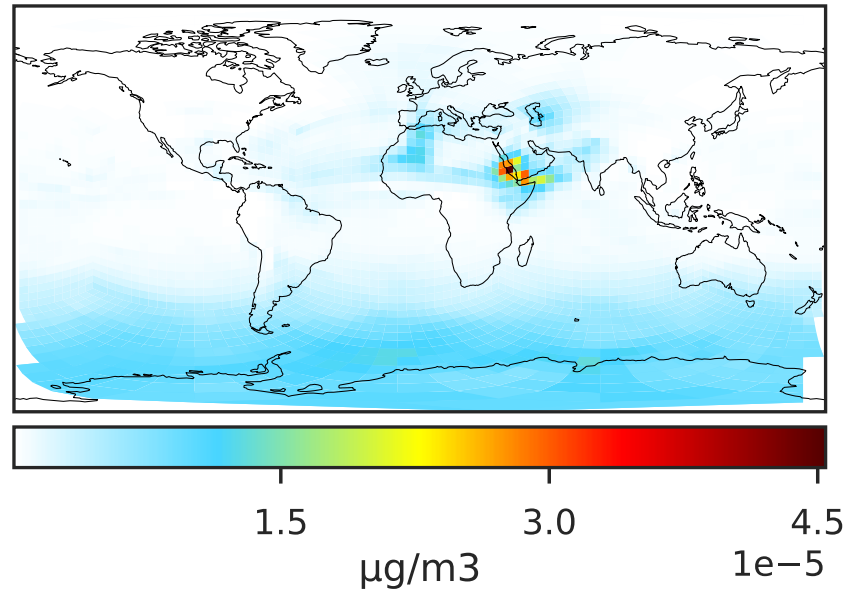


SpeciesConcVV_ISALC (Jul2019)

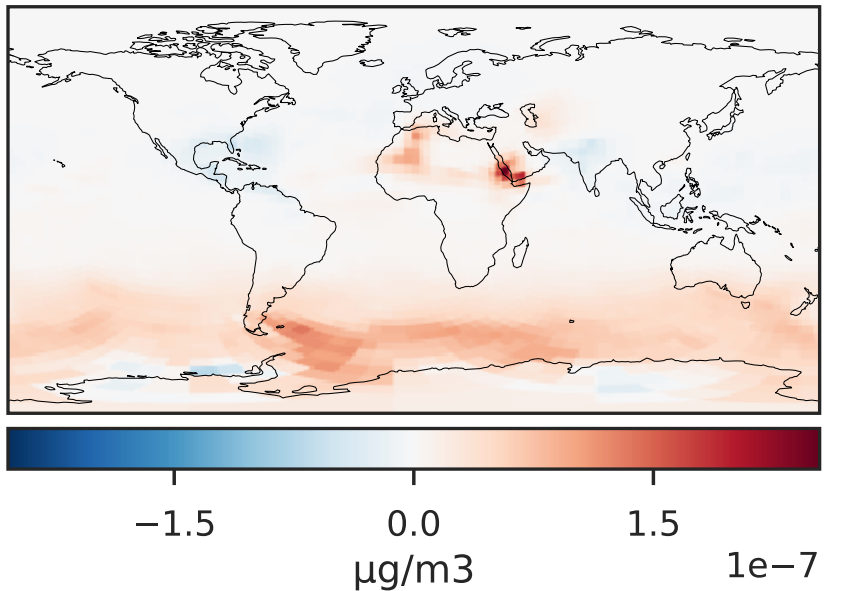
14.2.0-rc.2 (Ref)
c24



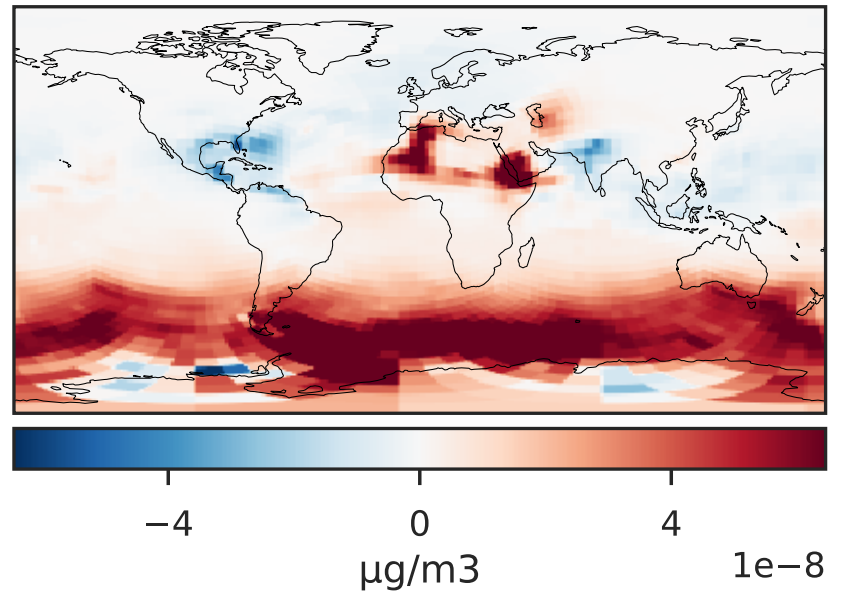
14.3.0-rc.0 (Dev)
c24



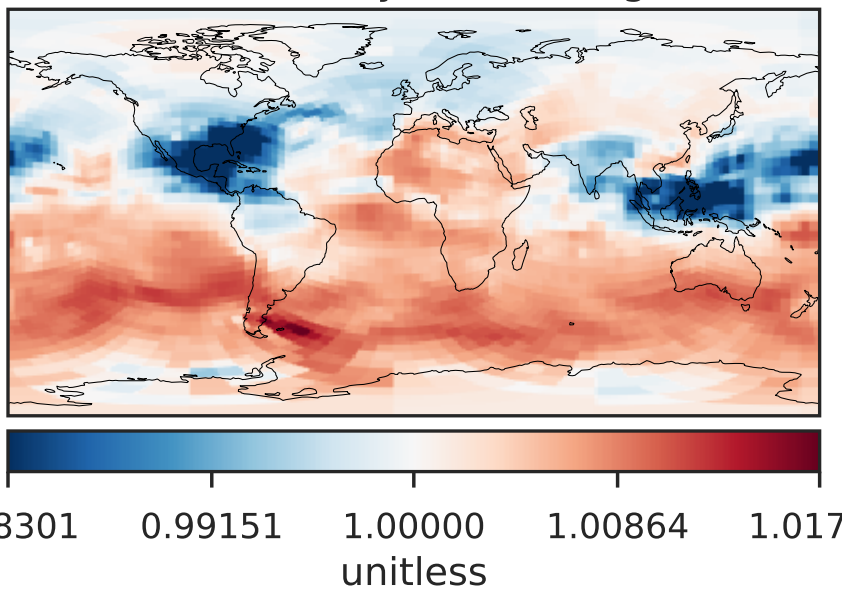
Difference (1x1.25)
Dev - Ref, Dynamic Range



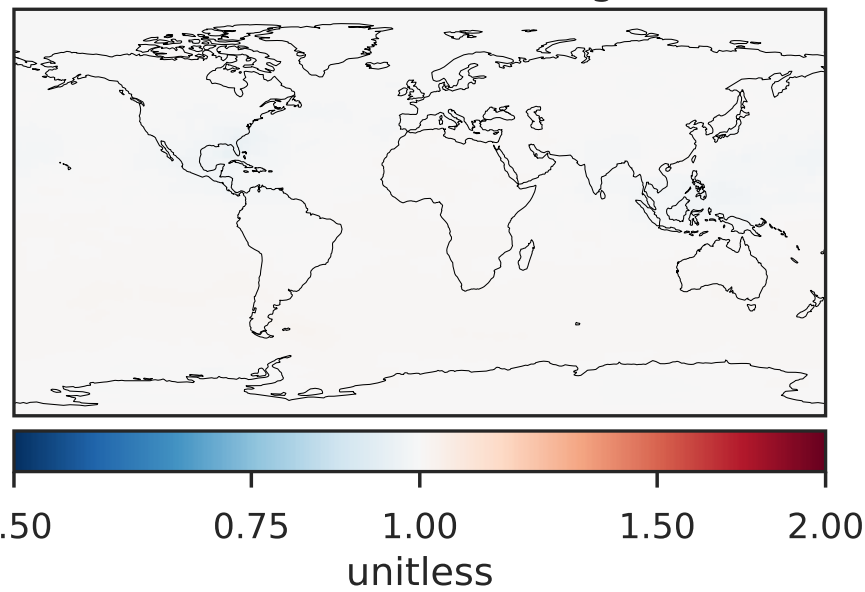
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

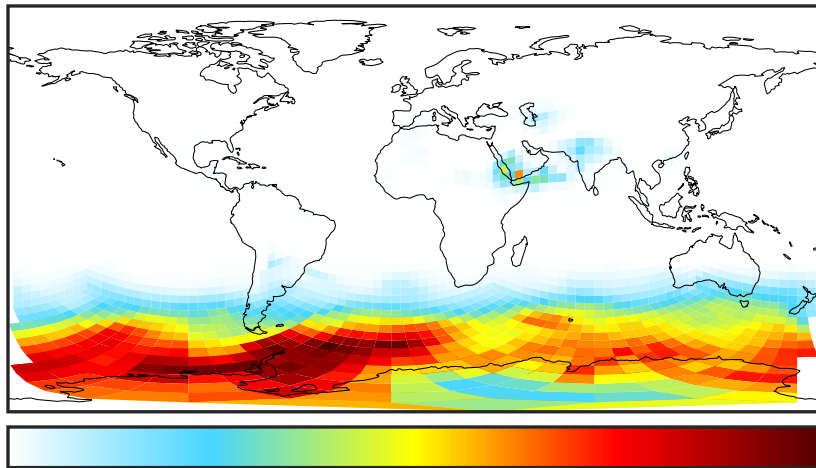


Ratio (1x1.25)
Dev/Ref, Fixed Range



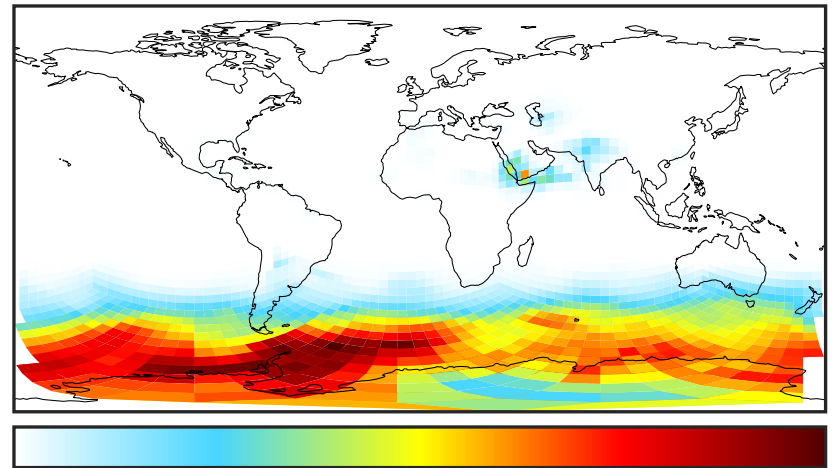
SpeciesConcVV_NITs (Jul2019)

14.2.0-rc.2 (Ref)
c24



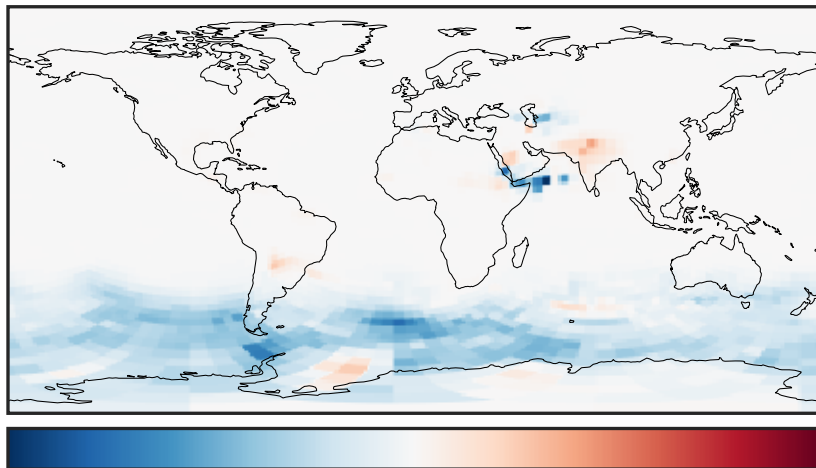
0.0015 0.0030
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24

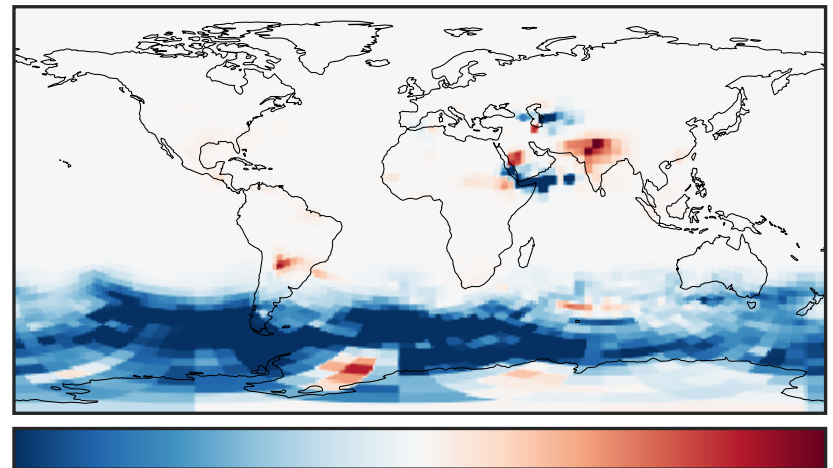


0.0015 0.0030
 $\mu\text{g}/\text{m}^3$

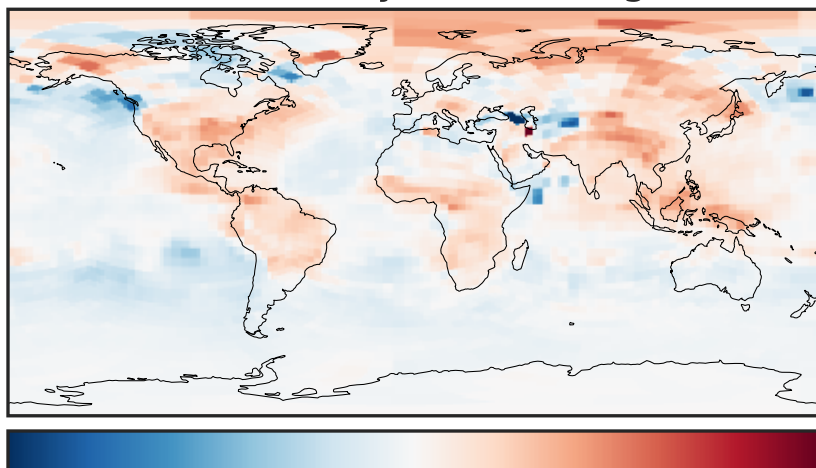
Difference (1x1.25)
Dev - Ref, Dynamic Range



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

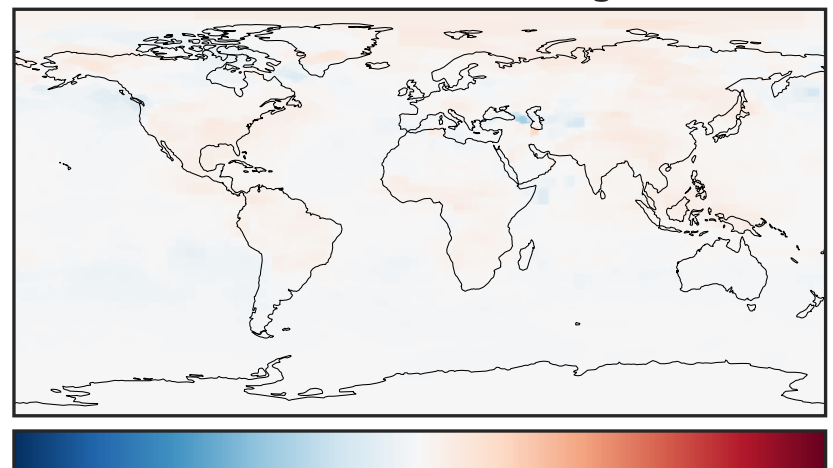


Ratio (1x1.25)
Dev/Ref, Dynamic Range



0.8755 0.9378 1.0000 1.0711 1.1422
unitless

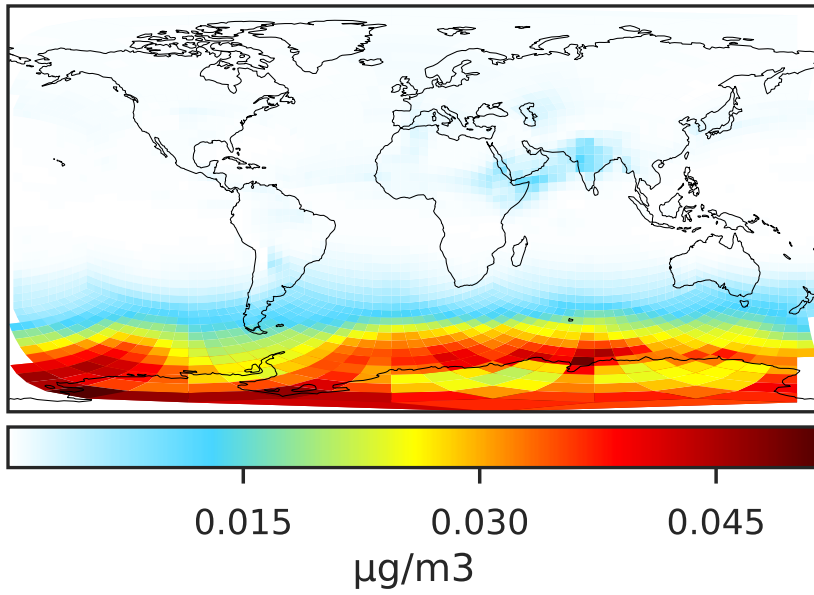
Ratio (1x1.25)
Dev/Ref, Fixed Range



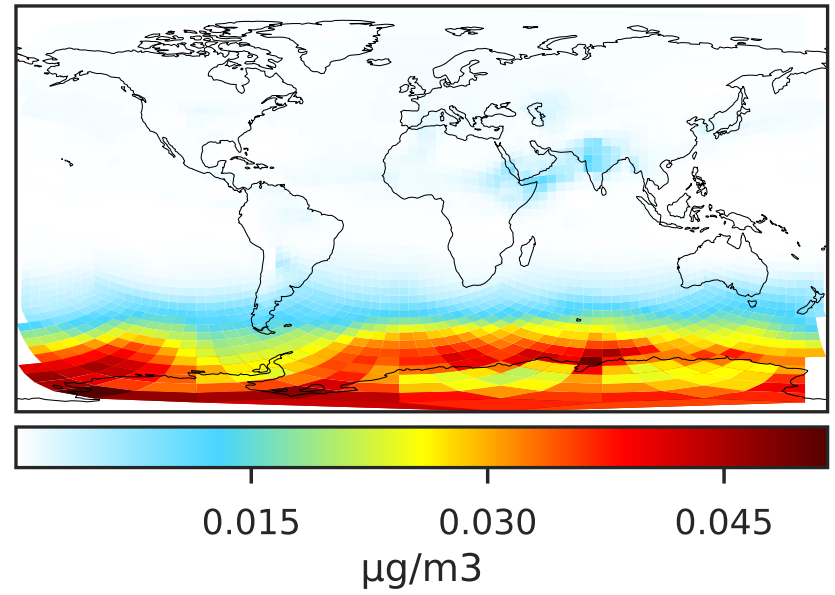
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SALA (Jul2019)

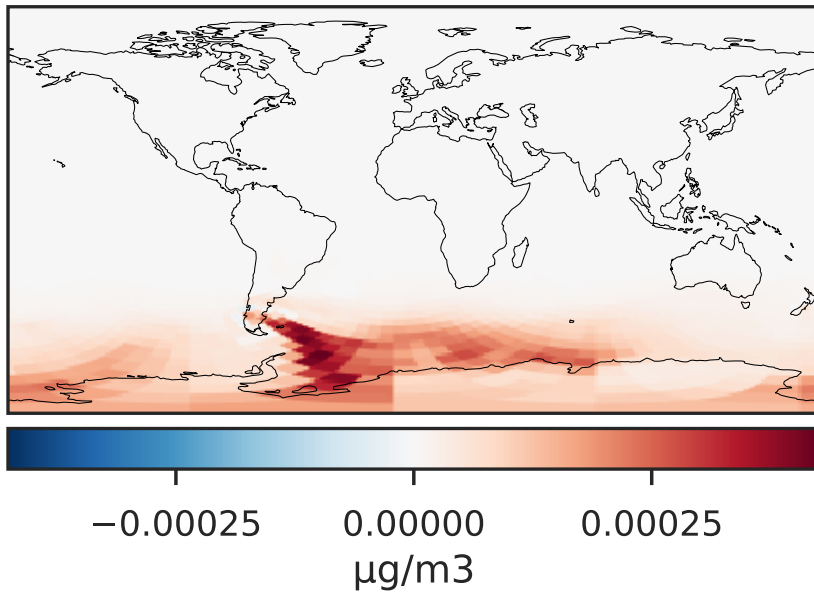
14.2.0-rc.2 (Ref)
c24



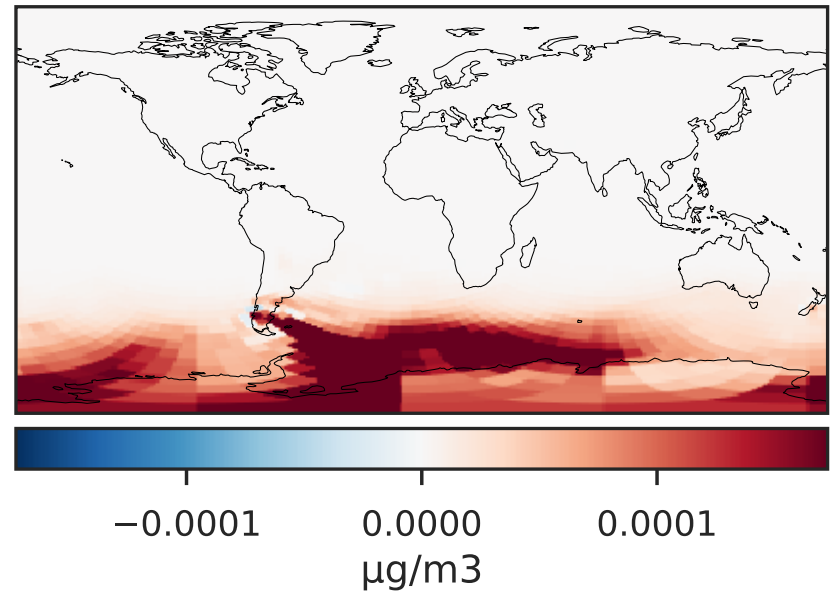
14.3.0-rc.0 (Dev)
c24



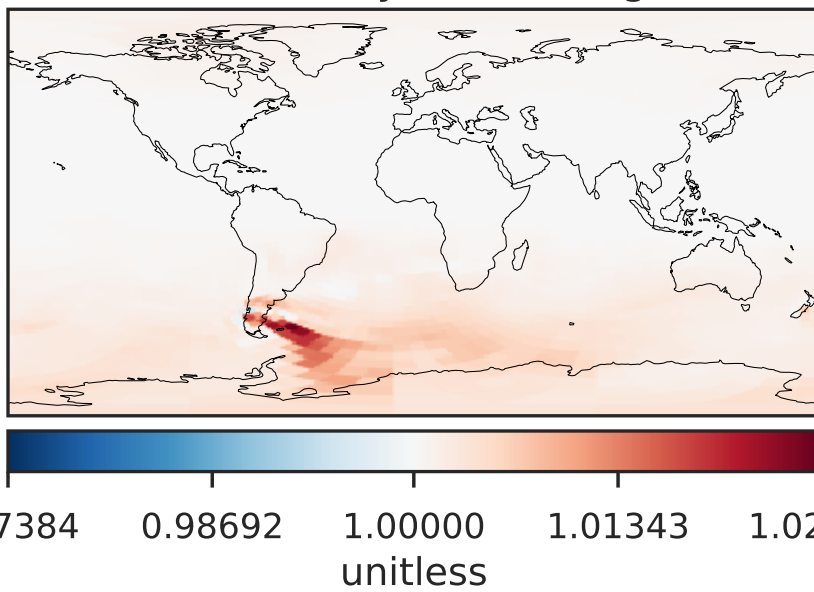
Difference (1x1.25)
Dev - Ref, Dynamic Range



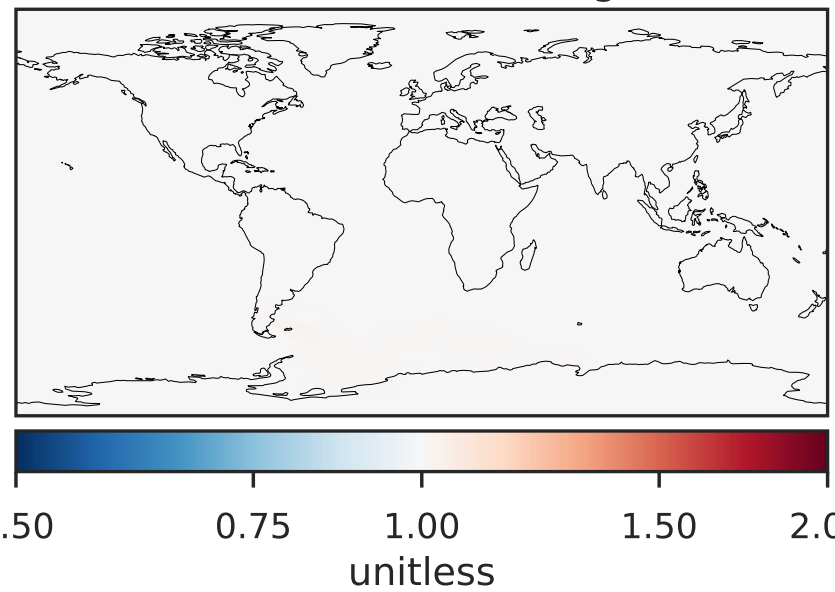
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

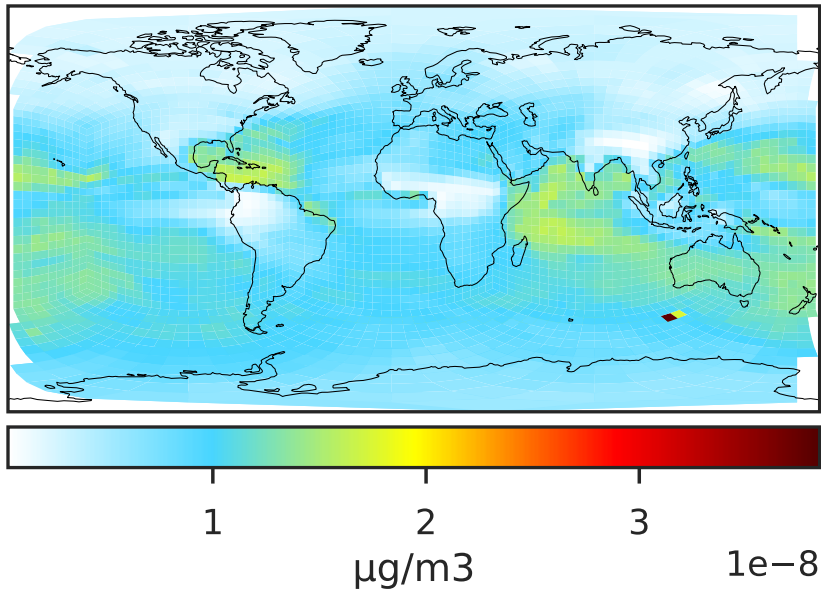


Ratio (1x1.25)
Dev/Ref, Fixed Range

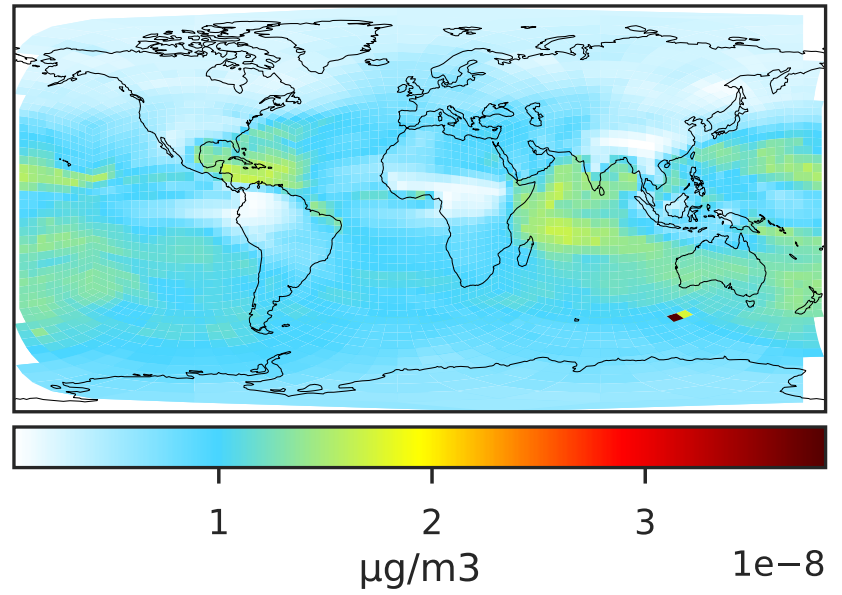


SpeciesConcVV_SALAAAL (Jul2019)

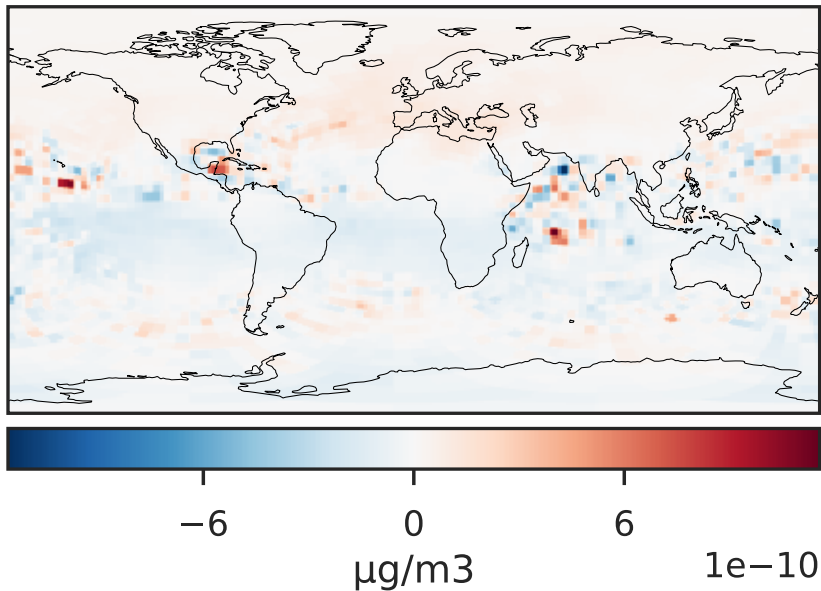
14.2.0-rc.2 (Ref)
c24



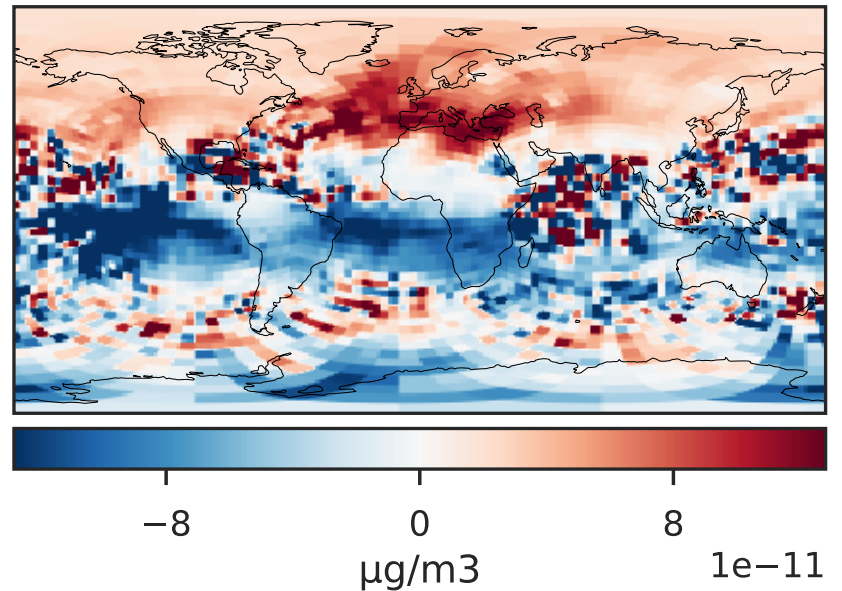
14.3.0-rc.0 (Dev)
c24



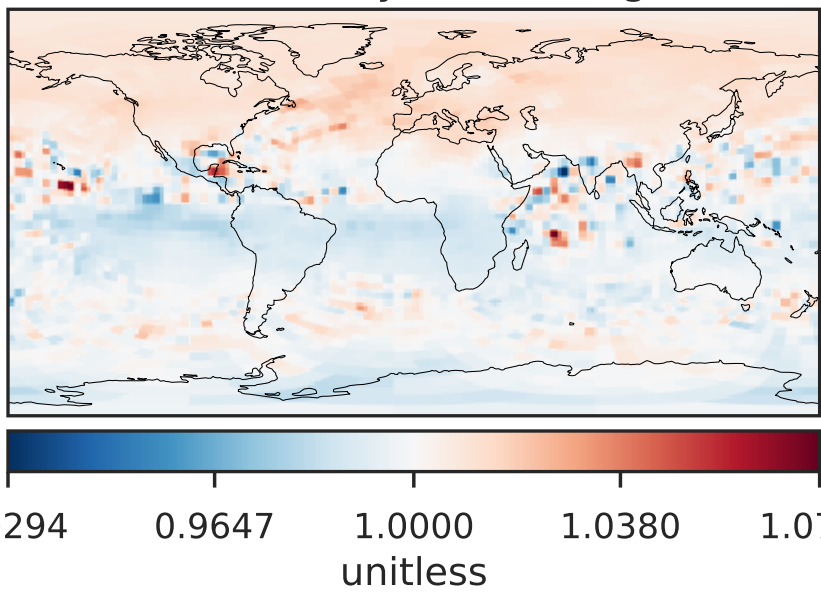
Difference (1x1.25)
Dev - Ref, Dynamic Range



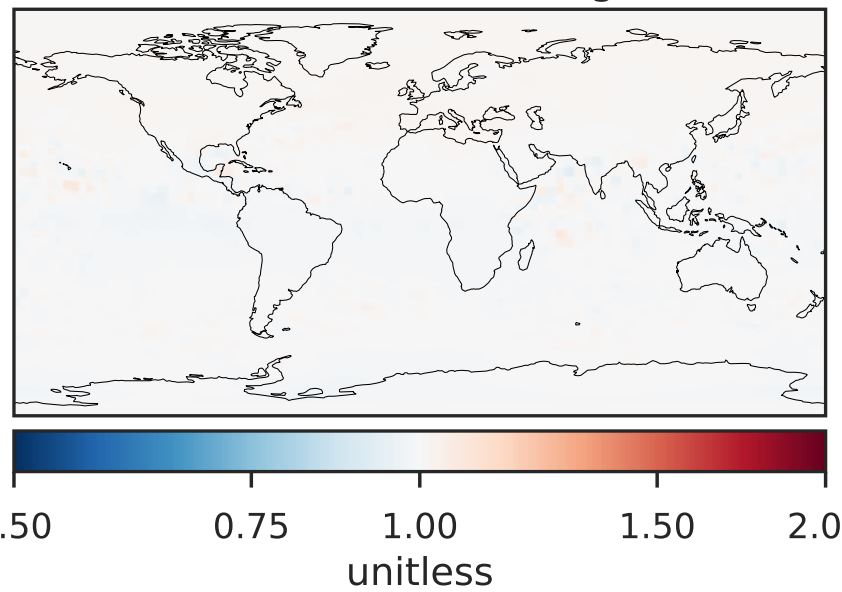
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

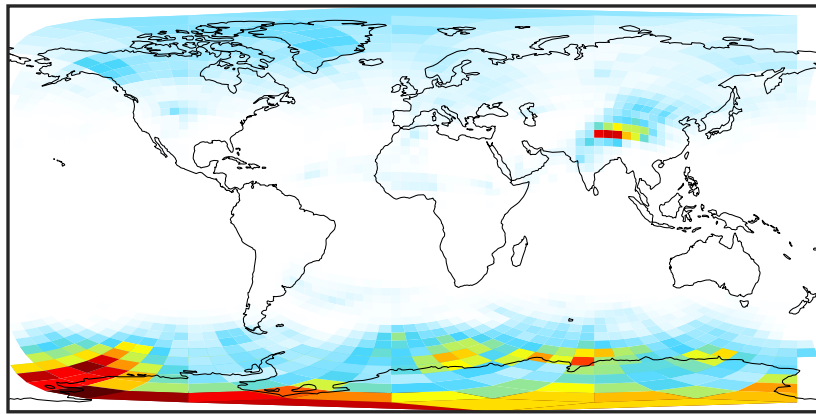


Ratio (1x1.25)
Dev/Ref, Fixed Range



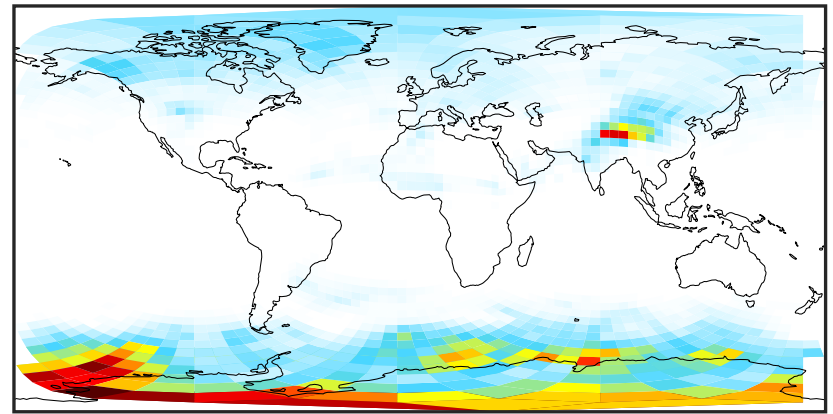
SpeciesConcVV_SALACL (Jul2019)

14.2.0-rc.2 (Ref)
c24



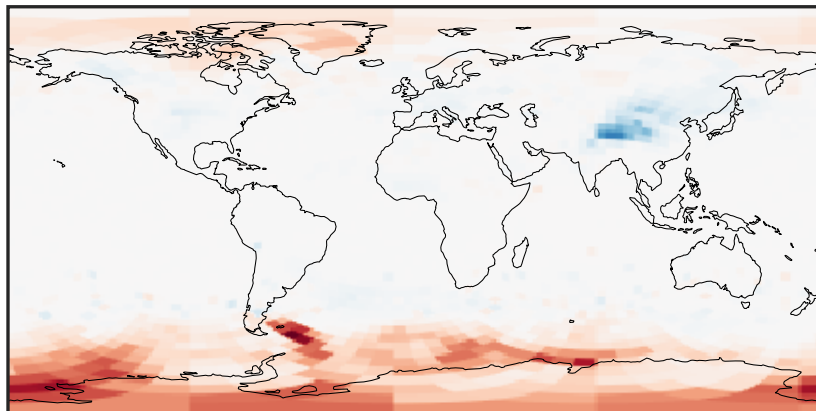
0.0000 0.0025 0.0050 0.0075
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



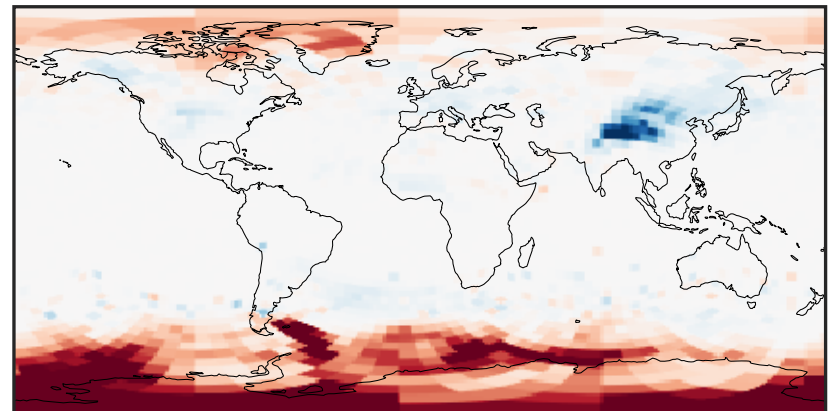
0.0000 0.0025 0.0050 0.0075
 $\mu\text{g}/\text{m}^3$

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



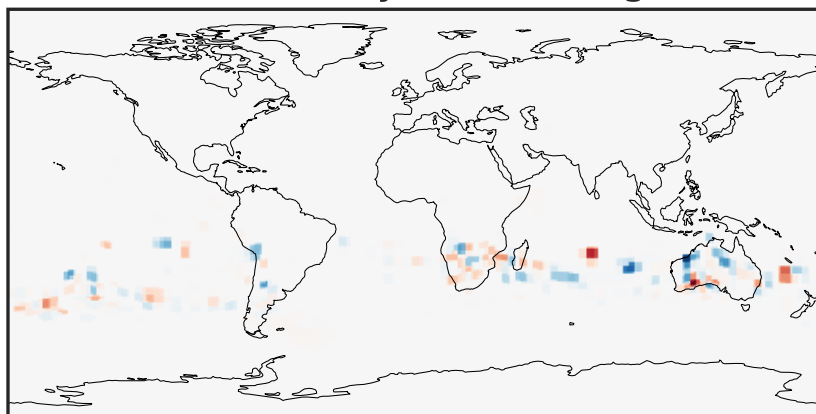
-0.0001 0.0000 0.0001
 $\mu\text{g}/\text{m}^3$

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



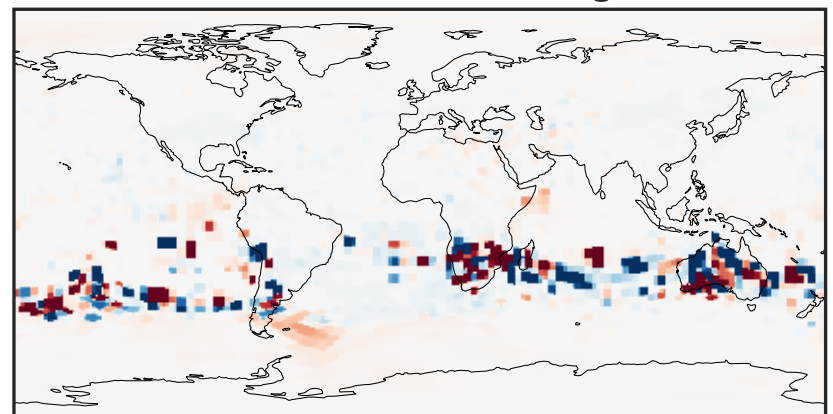
-4 0 4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



unitless

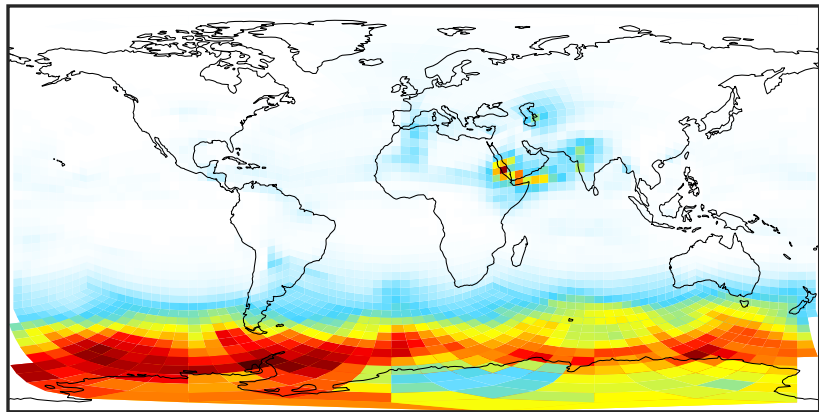
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

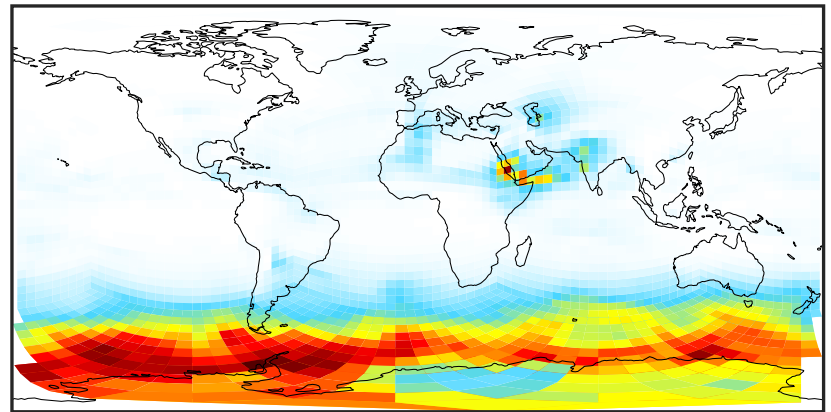
SpeciesConcVV_SALC (Jul2019)

14.2.0-rc.2 (Ref)
c24



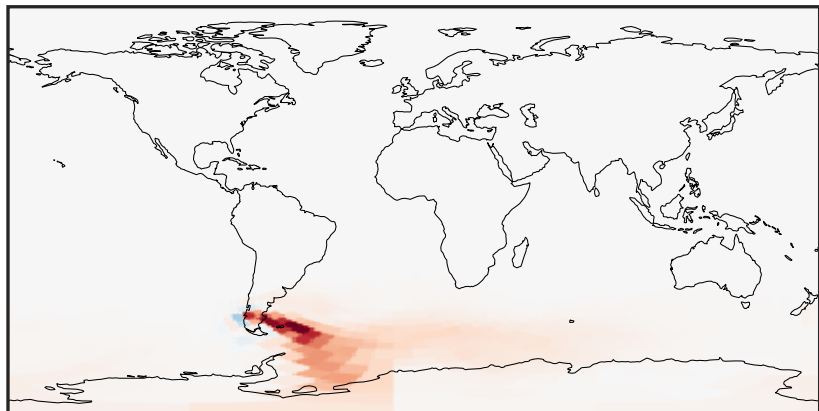
0.0001 0.0251 0.0502 0.0752 0.1003
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



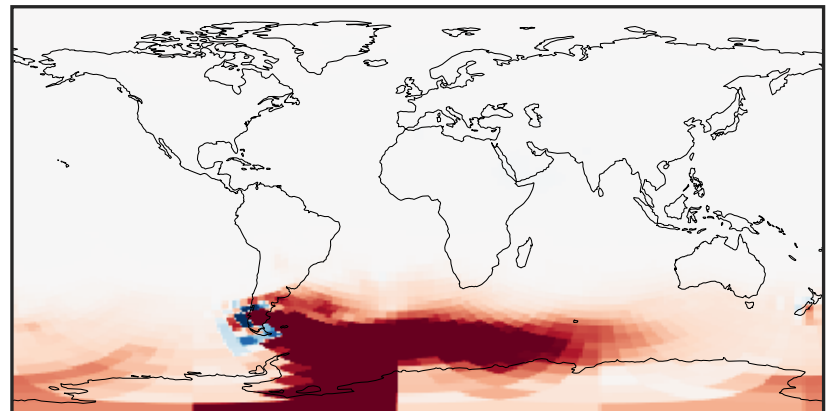
0.0001 0.0251 0.0502 0.0752 0.1003
 $\mu\text{g}/\text{m}^3$

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



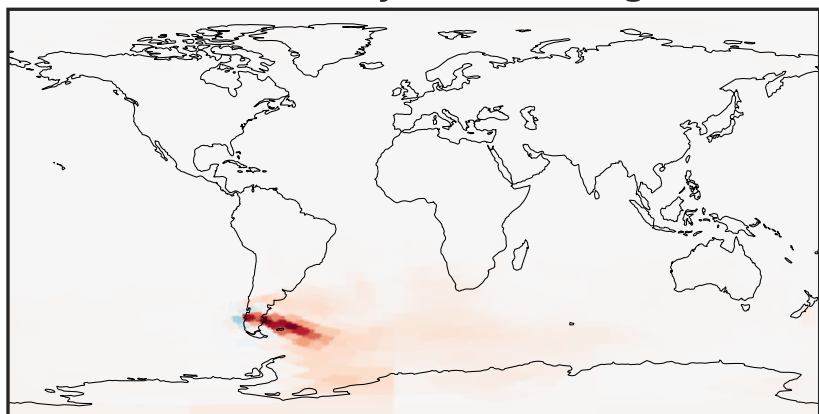
-0.001 0.000 0.001
 $\mu\text{g}/\text{m}^3$

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



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

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



0.9511 0.9756 1.0000 1.0257 1.0514
unitless

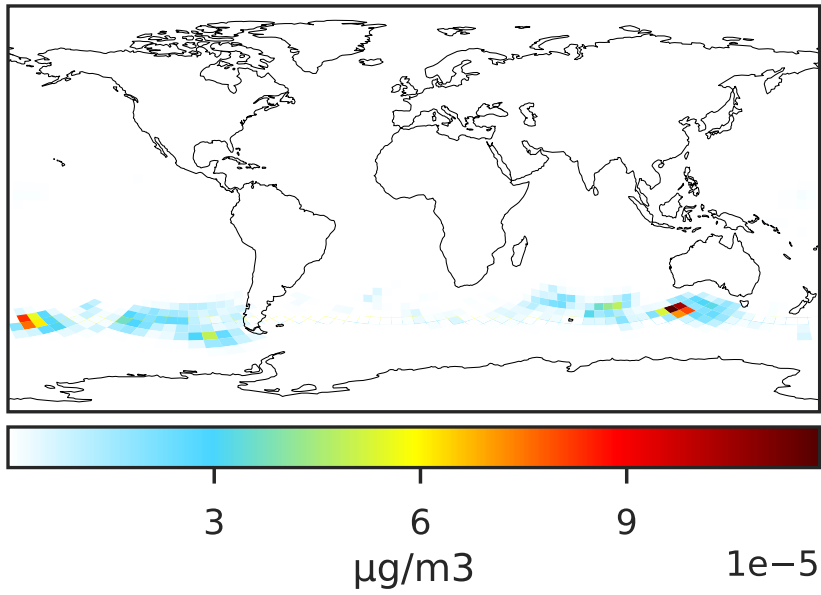
Ratio (1x1.25)
Dev/Ref, Fixed Range



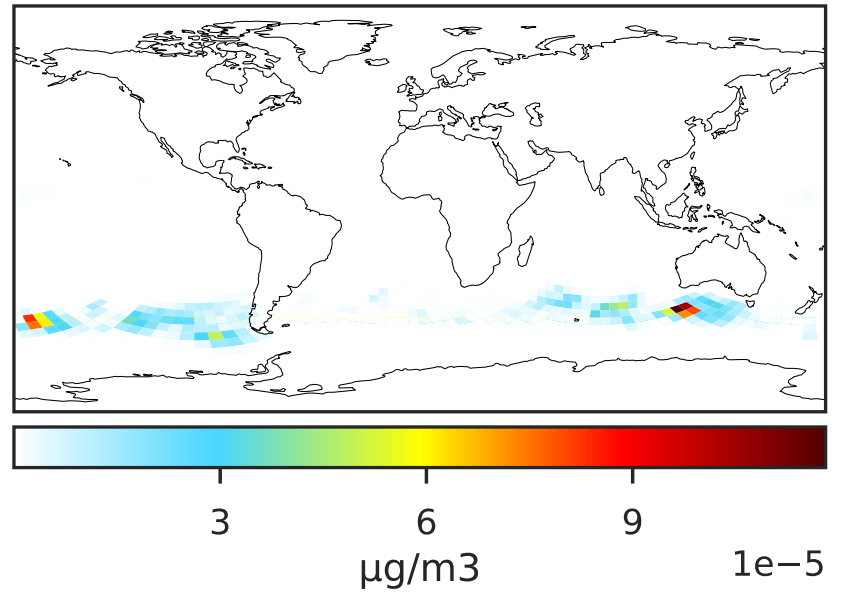
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SALCAL (Jul2019)

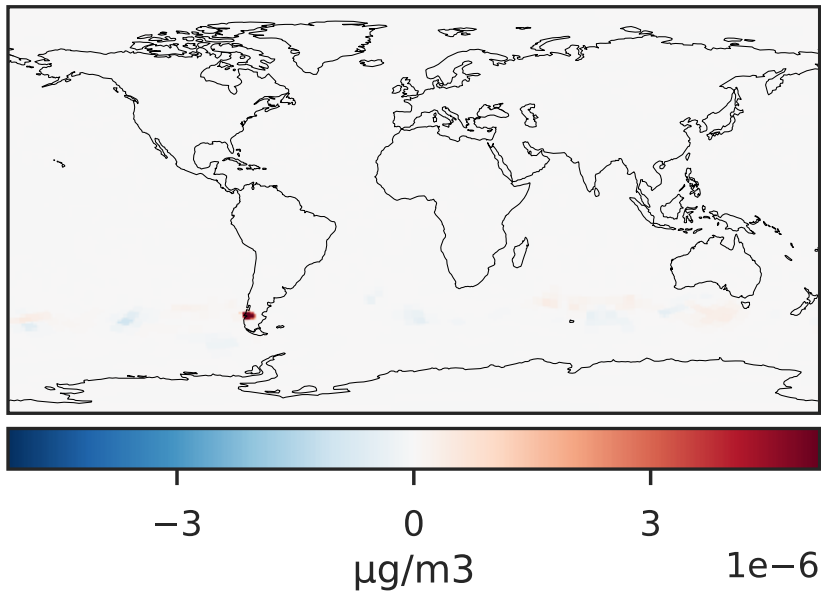
14.2.0-rc.2 (Ref)
c24



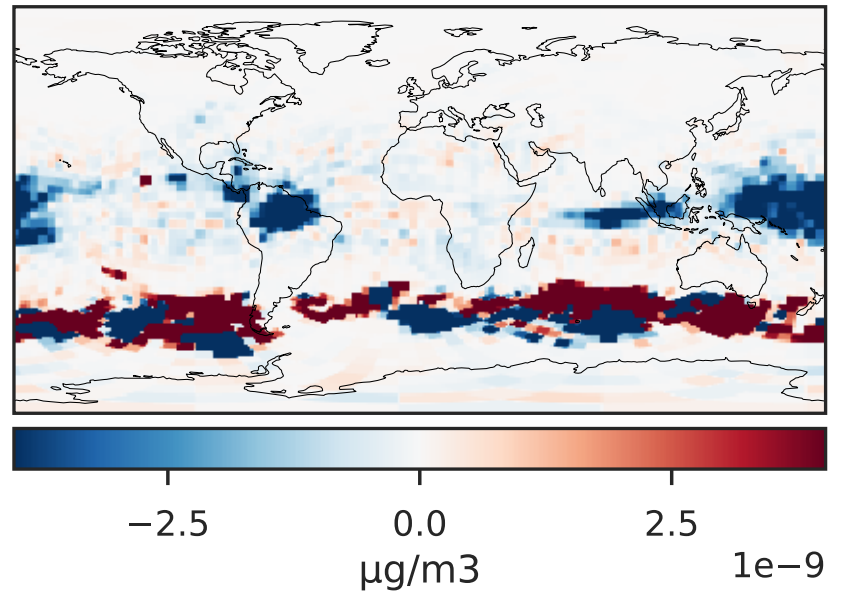
14.3.0-rc.0 (Dev)
c24



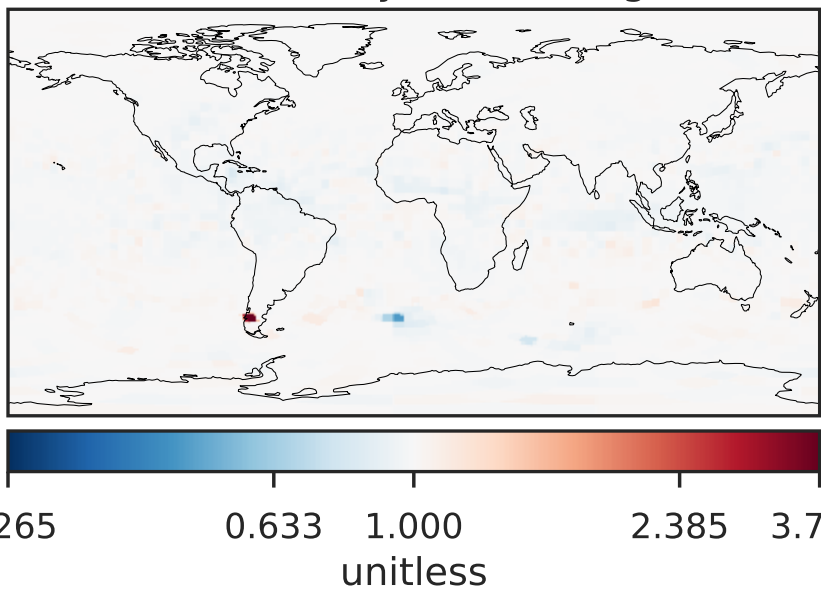
Difference (1x1.25)
Dev - Ref, Dynamic Range



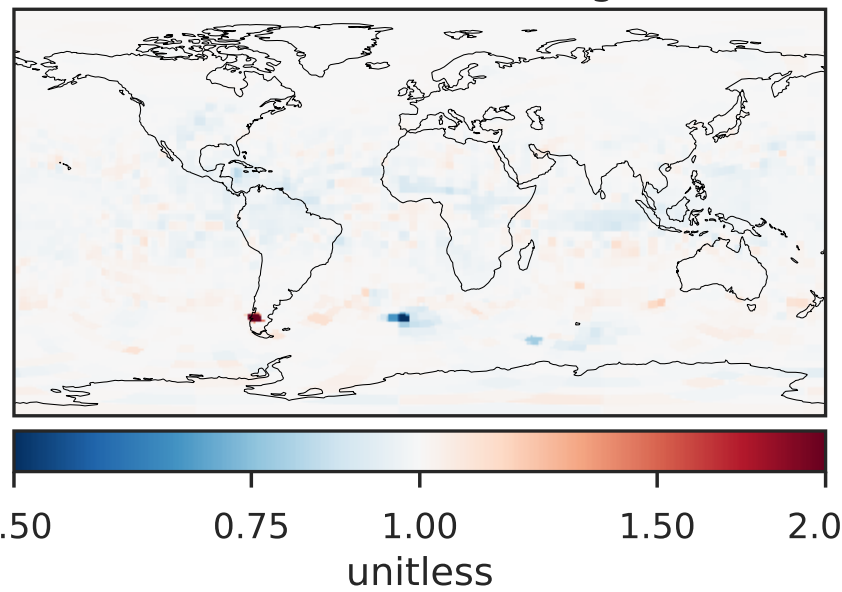
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

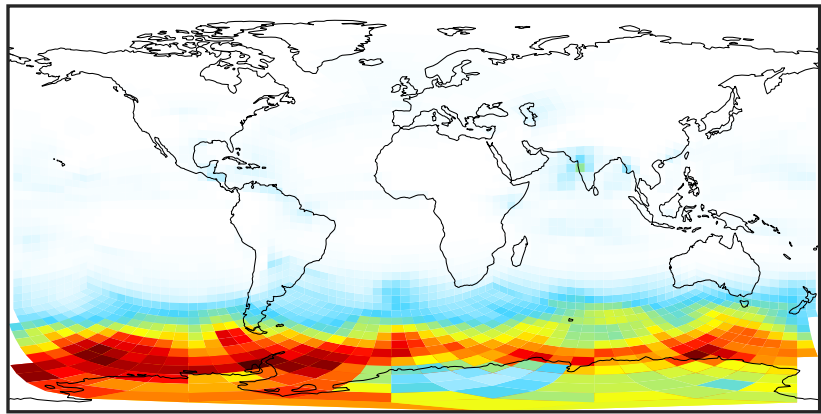


Ratio (1x1.25)
Dev/Ref, Fixed Range



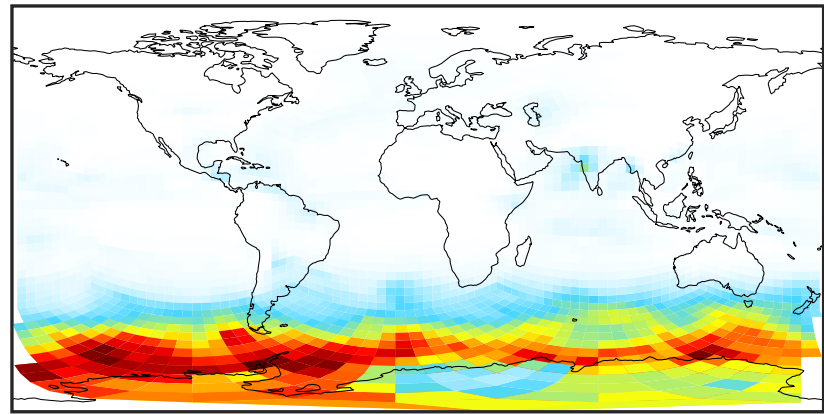
SpeciesConcVV_SALCCL (Jul2019)

14.2.0-rc.2 (Ref)
c24



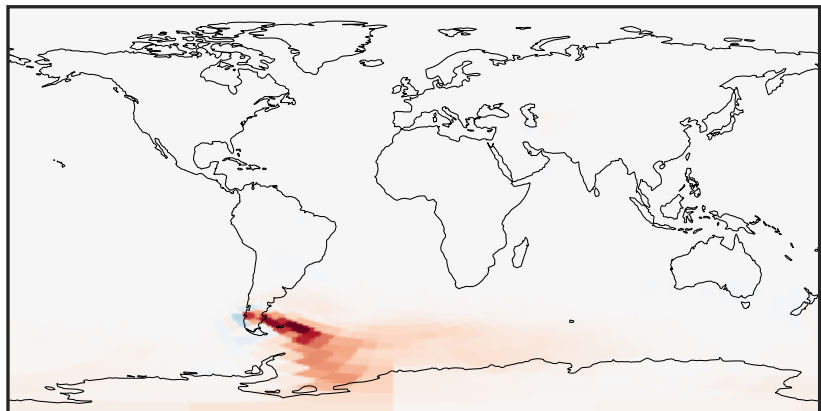
0.015 0.030 0.045
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



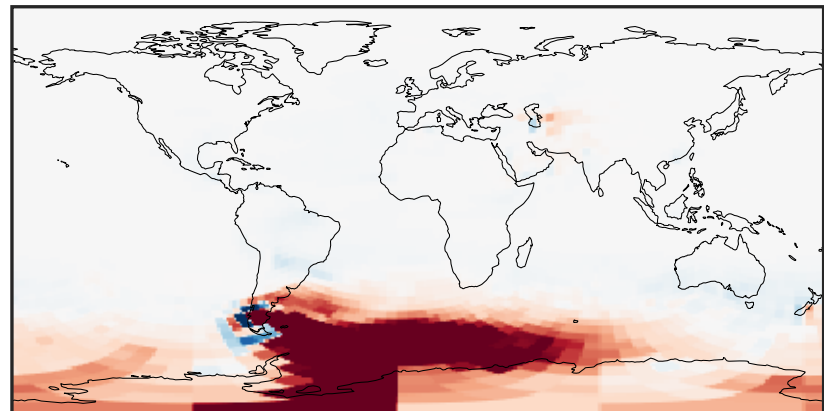
0.015 0.030 0.045
 $\mu\text{g}/\text{m}^3$

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



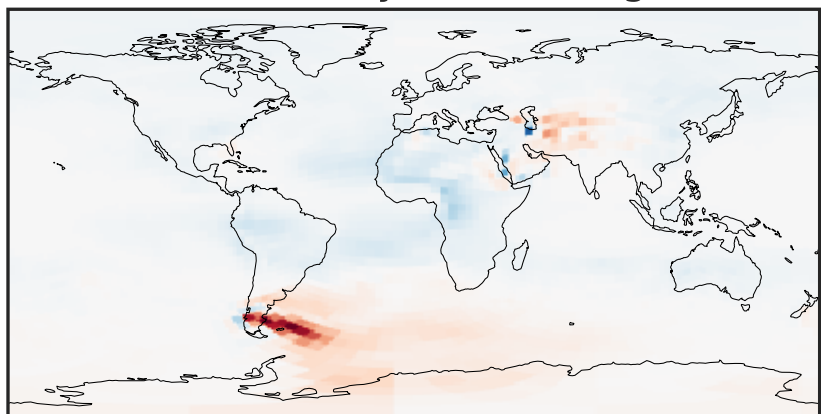
-0.0006 0.0000 0.0006
 $\mu\text{g}/\text{m}^3$

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



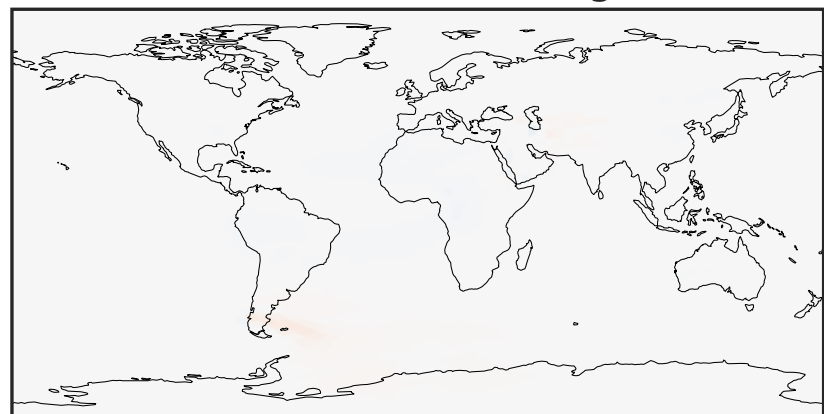
-6 0 6
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



0.9379 0.9690 1.0000 1.0331 1.0662
unitless

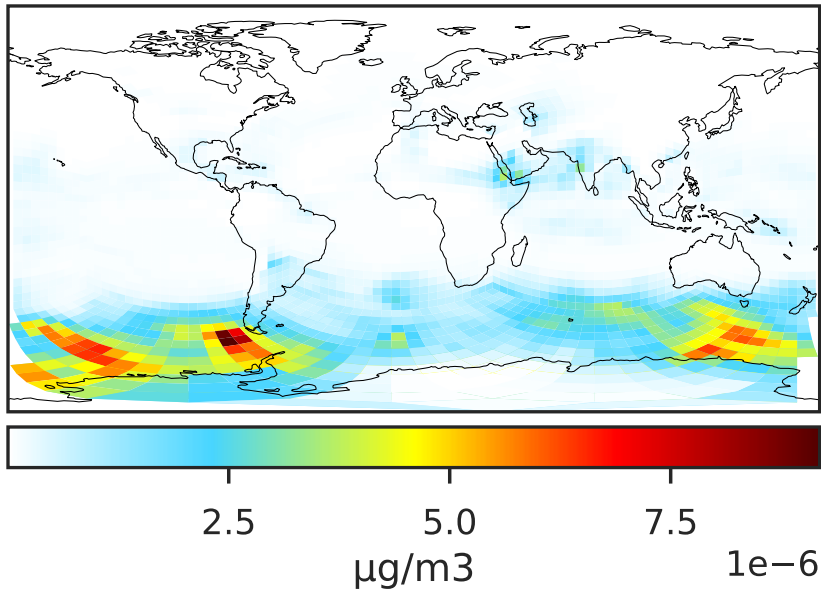
Ratio (1x1.25)
Dev/Ref, Fixed Range



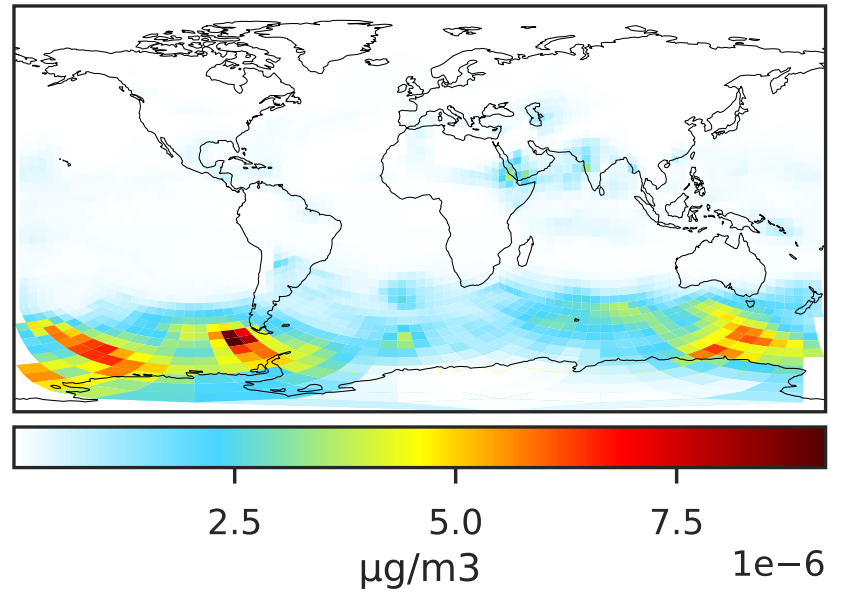
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SO4s (Jul2019)

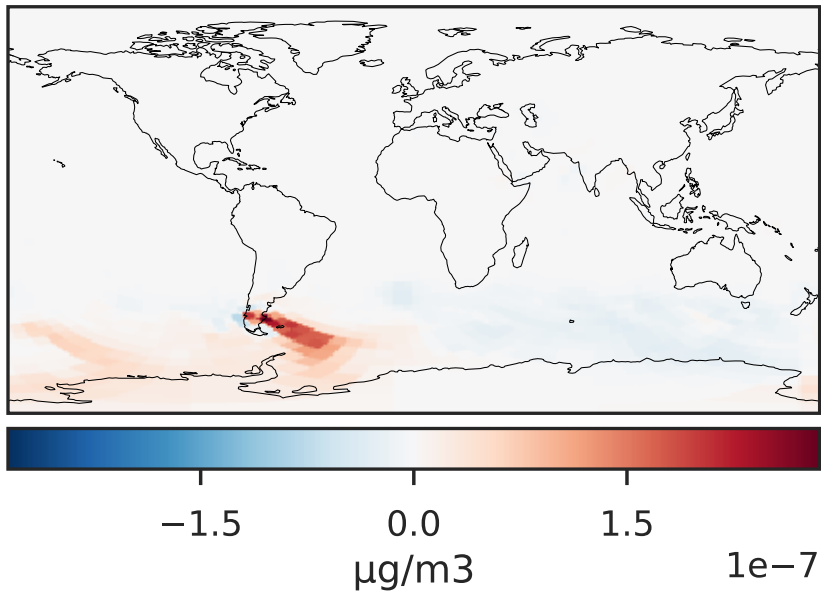
14.2.0-rc.2 (Ref)
c24



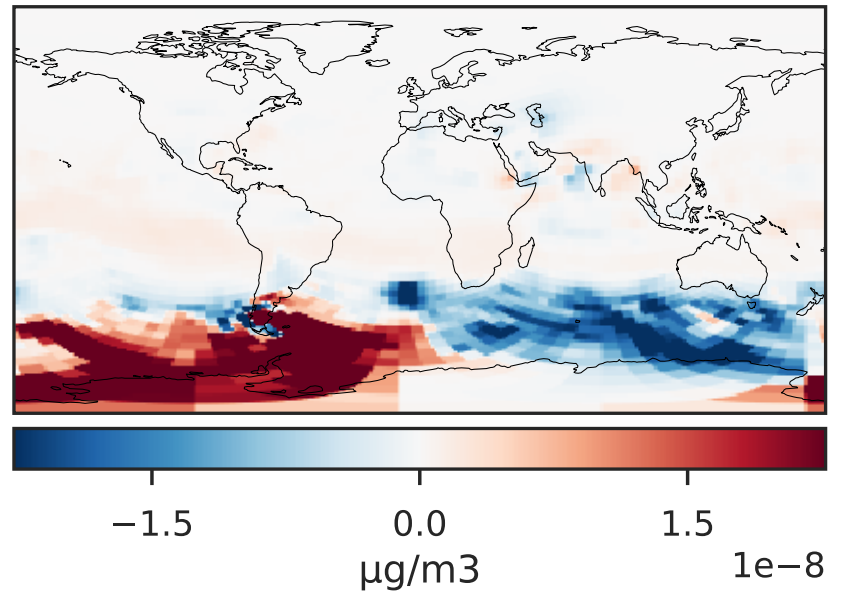
14.3.0-rc.0 (Dev)
c24



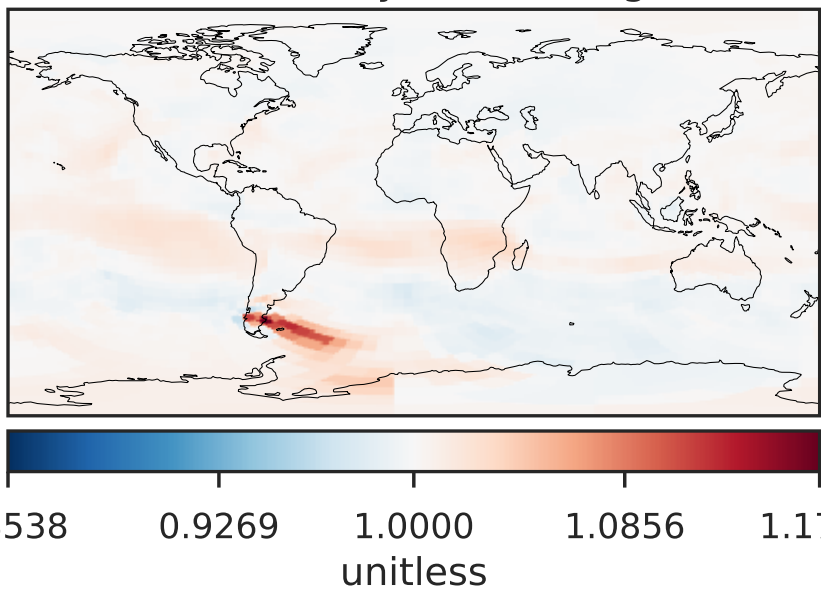
Difference (1x1.25)
Dev - Ref, Dynamic Range



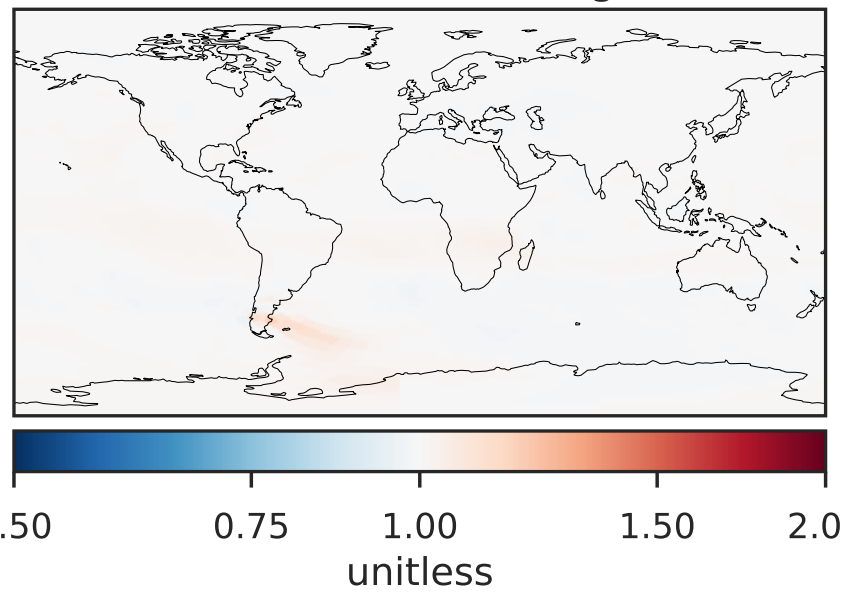
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

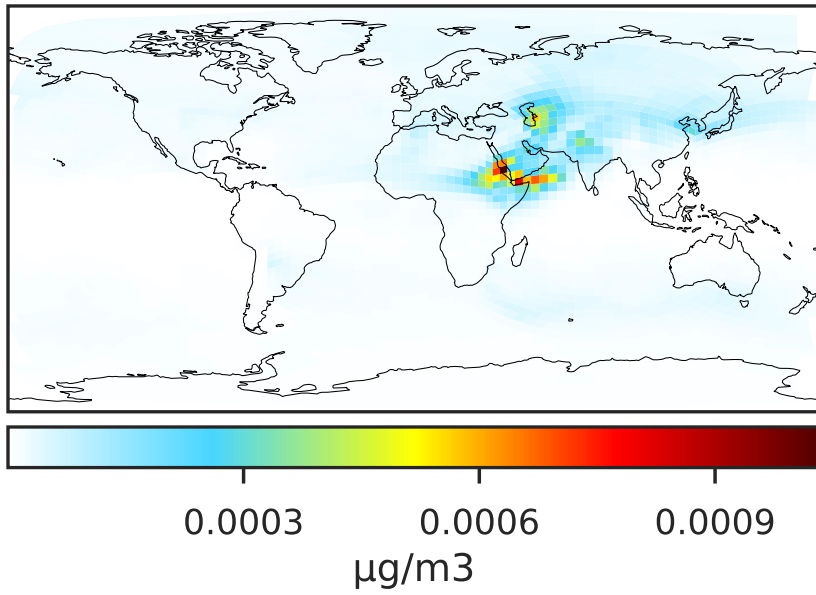


Ratio (1x1.25)
Dev/Ref, Fixed Range

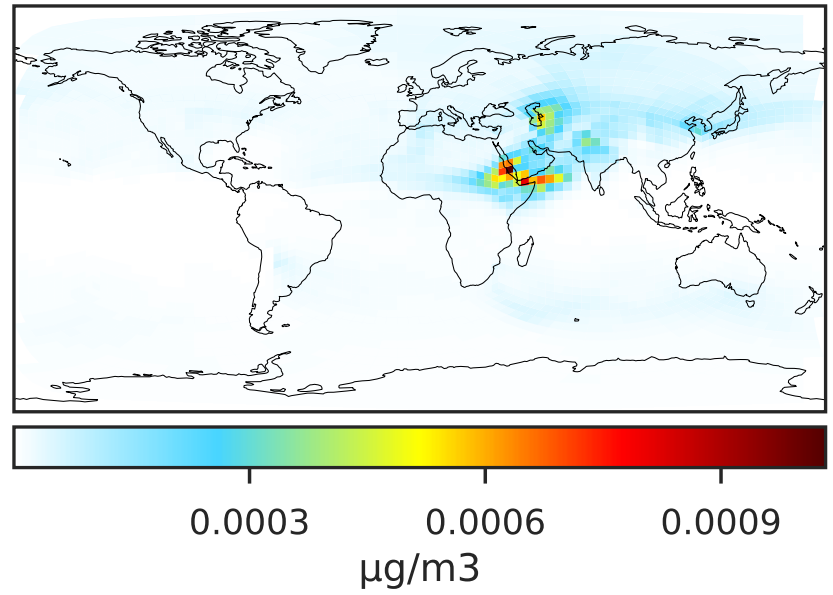


SpeciesConcVV_pFe (Jul2019)

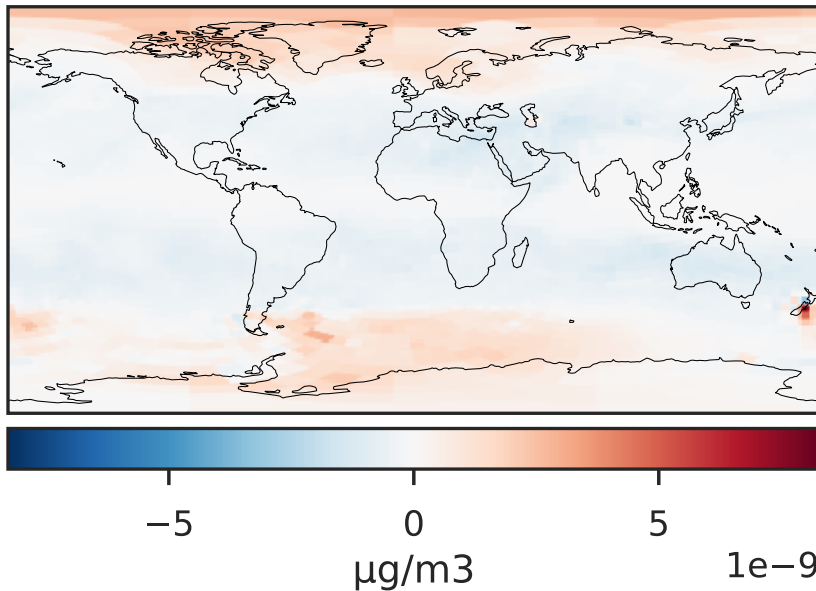
14.2.0-rc.2 (Ref)
c24



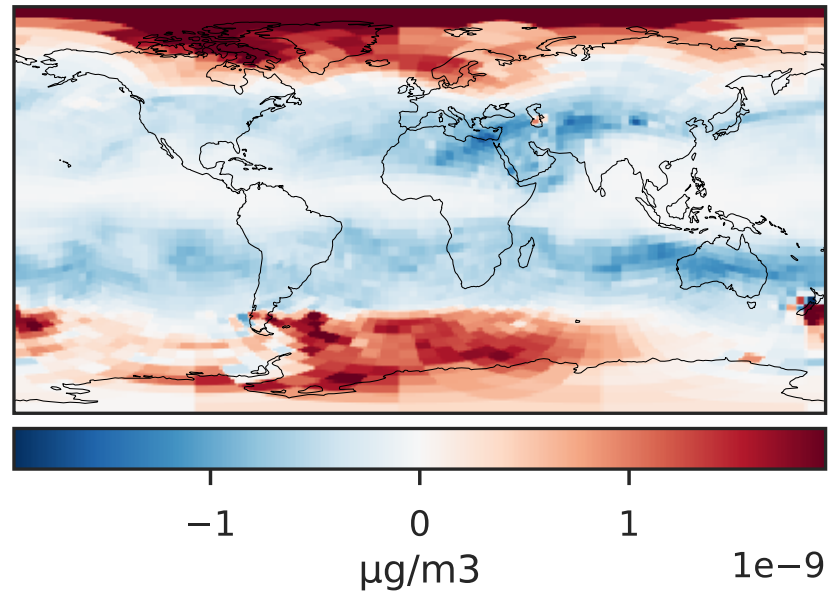
14.3.0-rc.0 (Dev)
c24



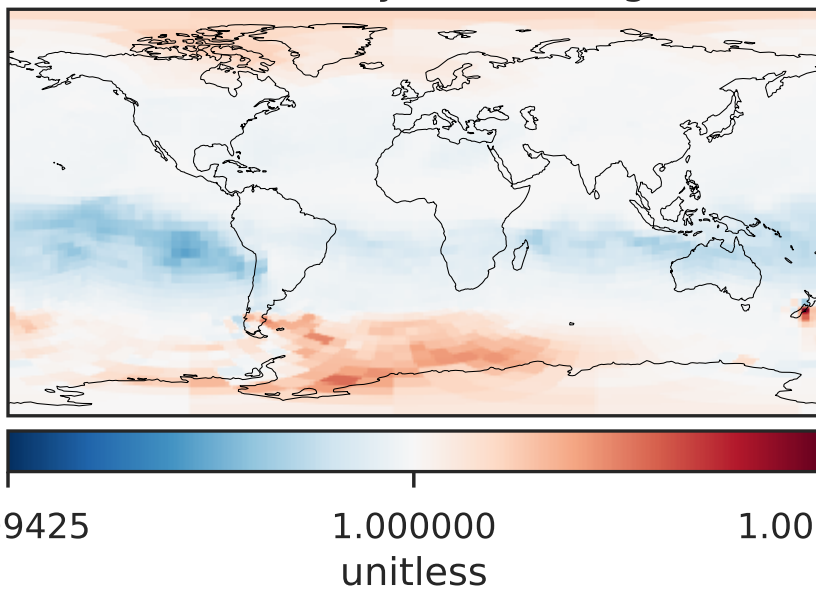
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

