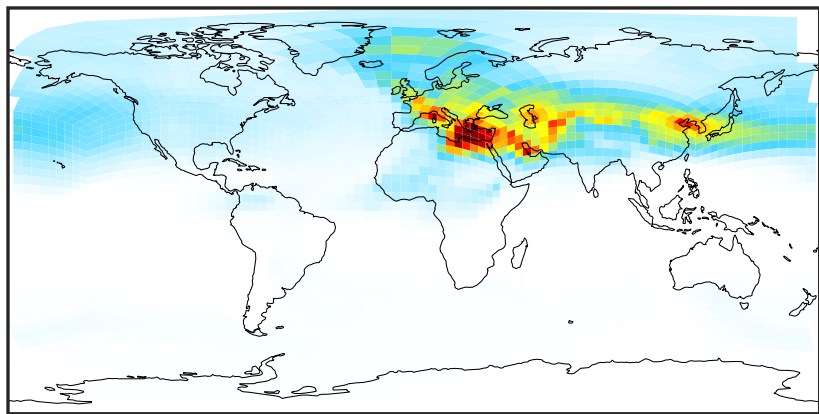


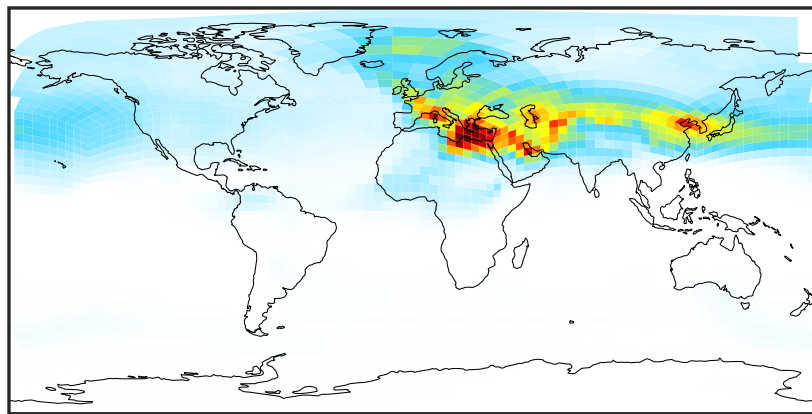
SpeciesConcVW_DST1 (Apr2019)

14.2.0-rc.2 (Ref)
c24



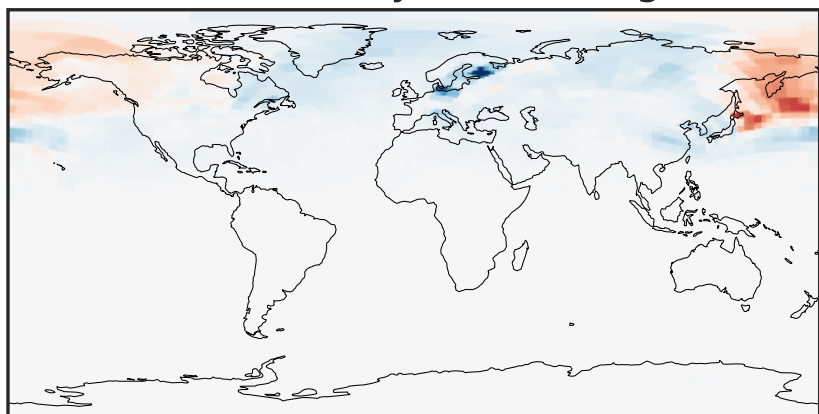
0.000 1.186 2.372 3.558 4.744
µg/m3

14.3.0-rc.0 (Dev)
c24



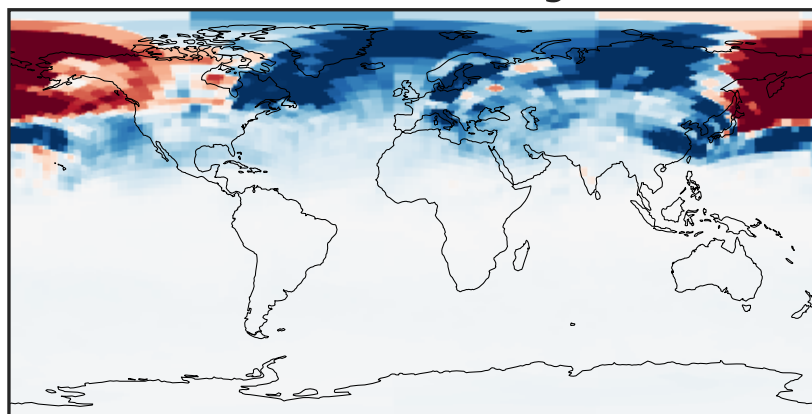
0.000 1.186 2.372 3.558 4.744
µg/m3

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



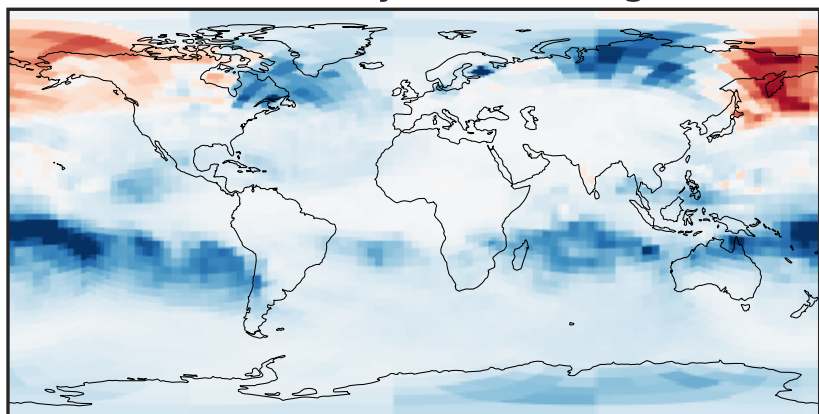
-0.0001 0.0000 0.0001
µg/m3

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



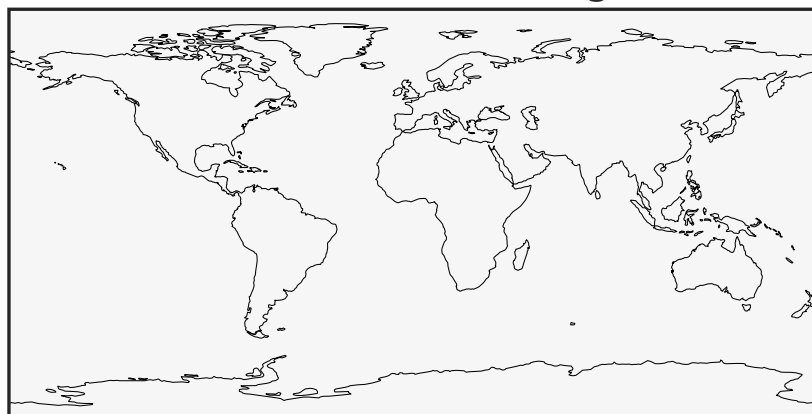
-1.5 0.0 1.5
µg/m3 1e-5

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



0.9998217 1.000000 1.0001783
unitless

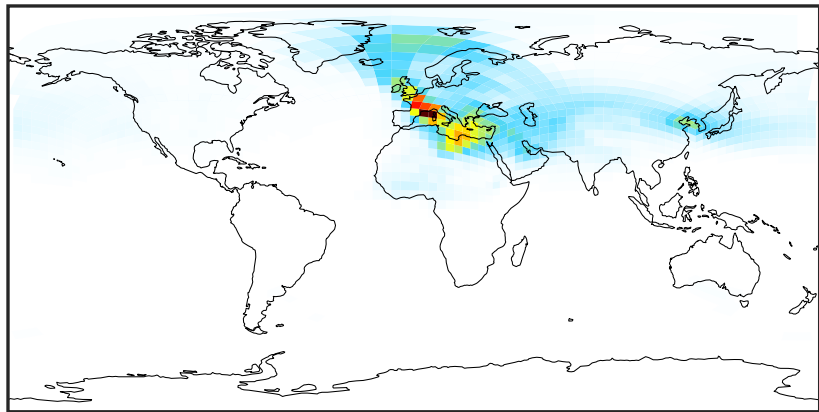
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

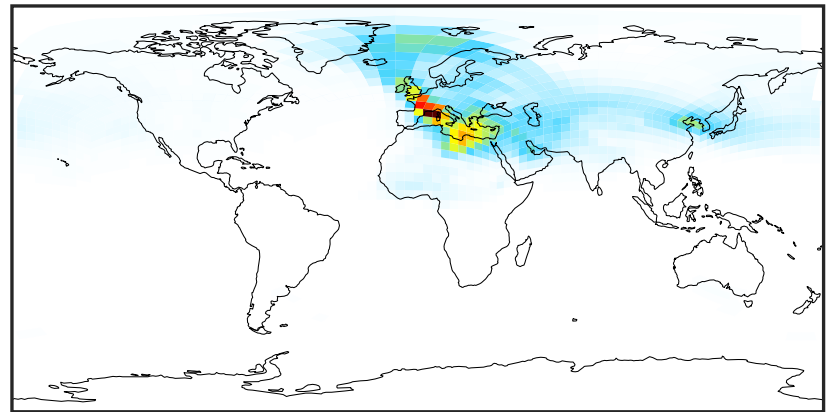
SpeciesConcVW_DST2 (Apr2019)

14.2.0-rc.2 (Ref)
c24



0.000 1.153 2.306 3.459 4.612
µg/m3

14.3.0-rc.0 (Dev)
c24



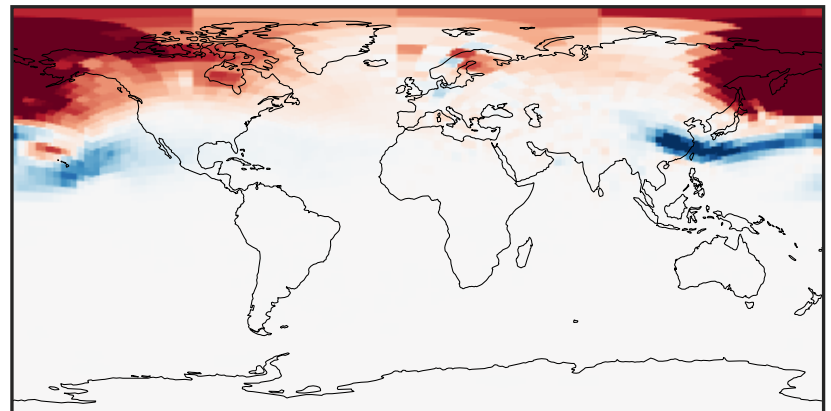
0.000 1.153 2.306 3.459 4.612
µg/m3

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



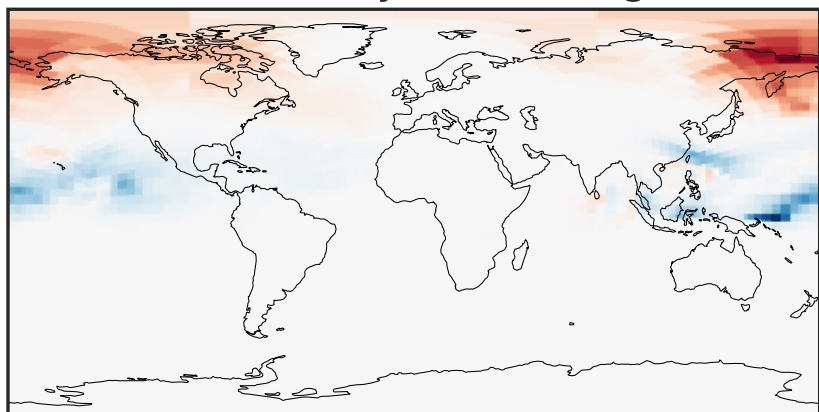
-6 0 6
µg/m3 1e-6

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



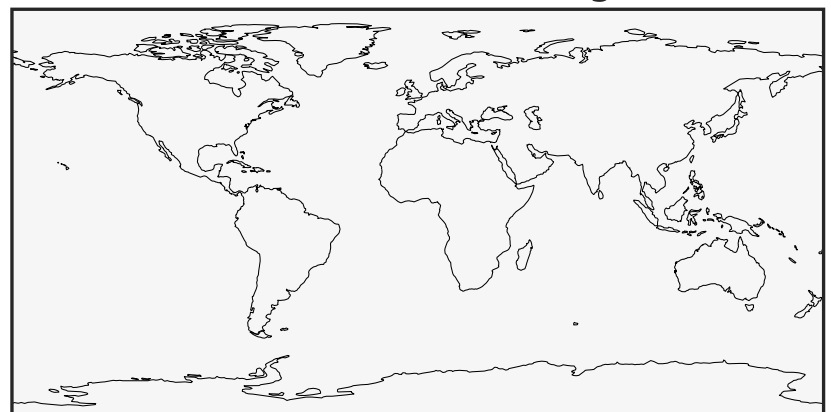
-1.5 0.0 1.5
µg/m3 1e-6

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



0.9998228 1.000000 1.0001772
unitless

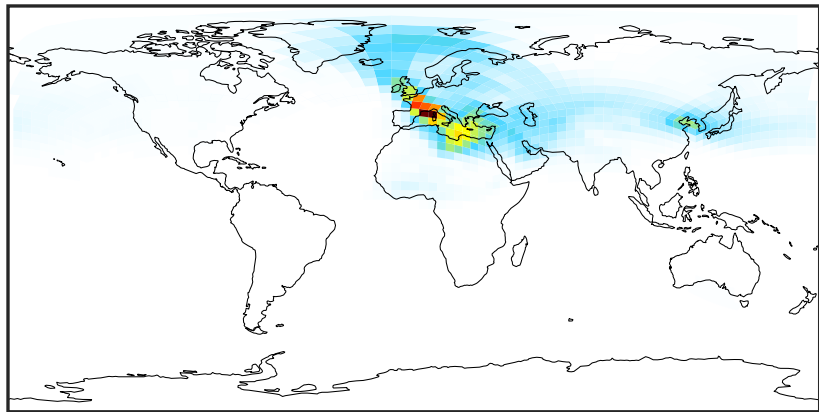
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

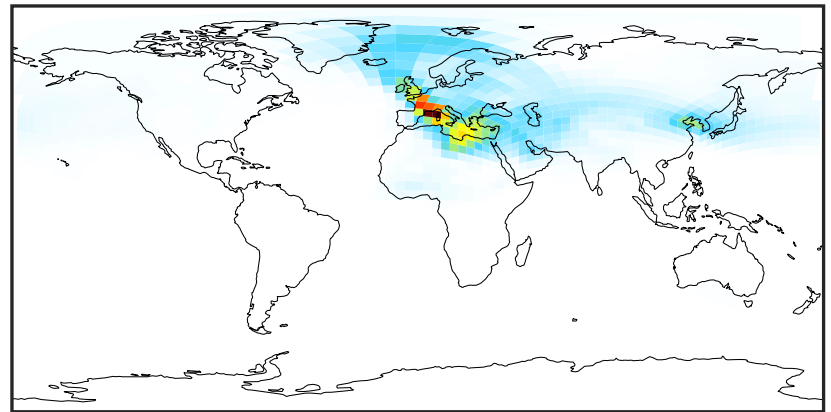
SpeciesConcVV_DST3 (Apr2019)

14.2.0-rc.2 (Ref)
c24



0.00 1.78 3.56 5.34 7.12
µg/m³

14.3.0-rc.0 (Dev)
c24



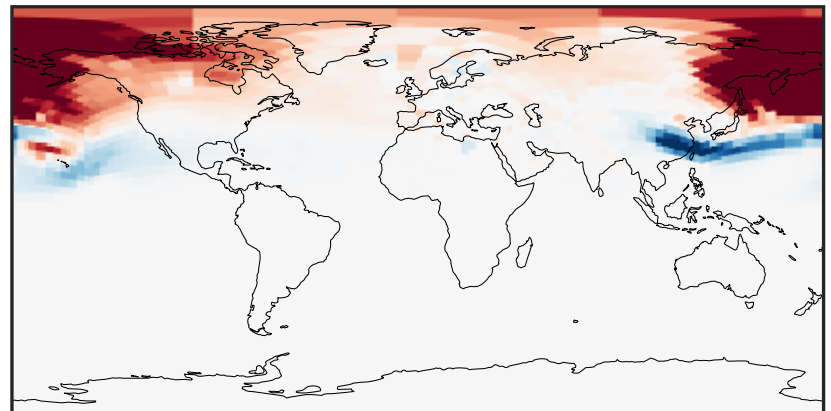
0.00 1.78 3.56 5.34 7.12
µg/m³

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



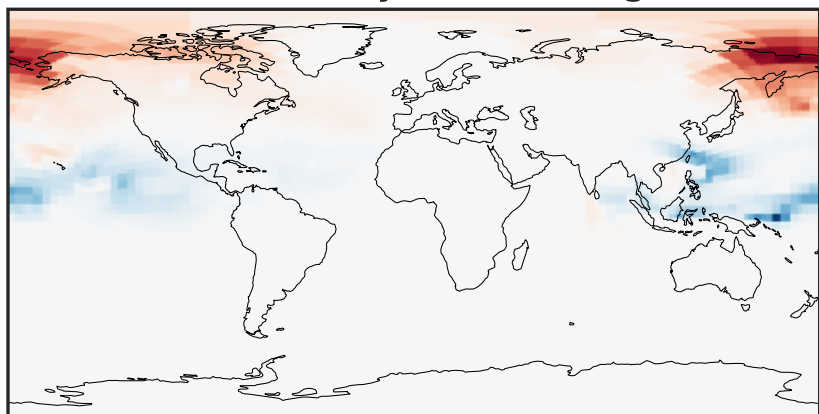
-1 0 1
µg/m³ 1e-5

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



-1.5 0.0 1.5
µg/m³ 1e-6

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



0.9998168 1.000000 1.0001832
unitless

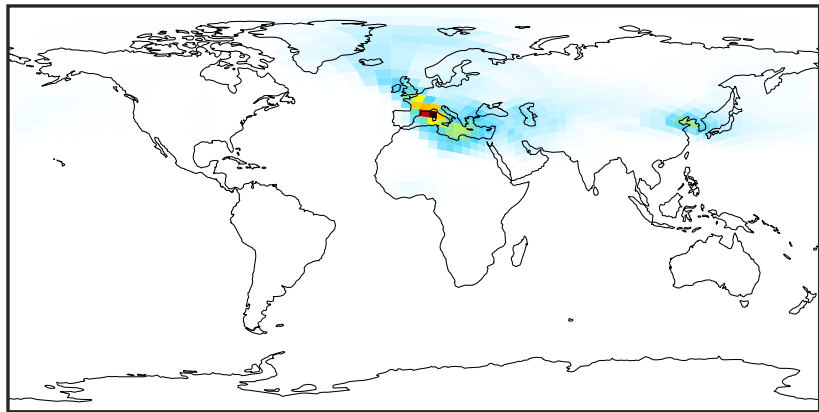
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

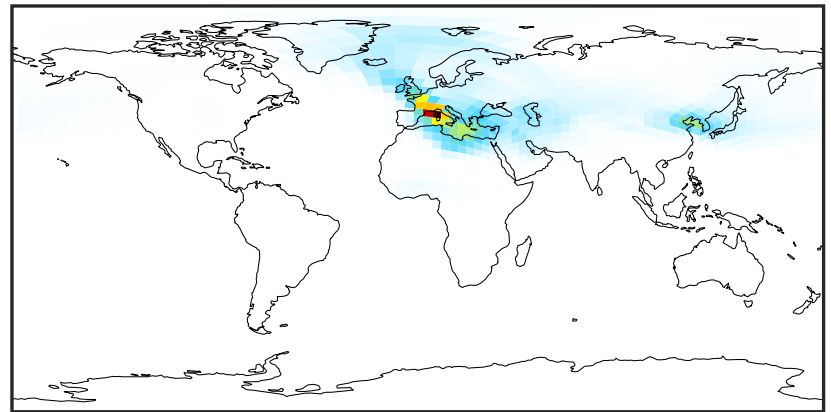
SpeciesConcVW_DST4 (Apr2019)

14.2.0-rc.2 (Ref)
c24



0.000 1.156 2.313 3.469 4.625
µg/m3

14.3.0-rc.0 (Dev)
c24



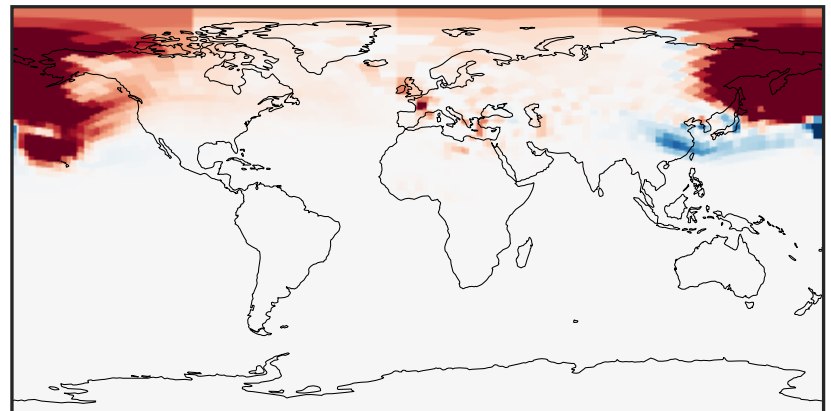
0.000 1.156 2.313 3.469 4.625
µg/m3

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



-5 0 5
µg/m3 1e-6

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



-2.5 0.0 2.5
µg/m3 1e-7

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



0.9997735 1.000000 1.0002266
unitless

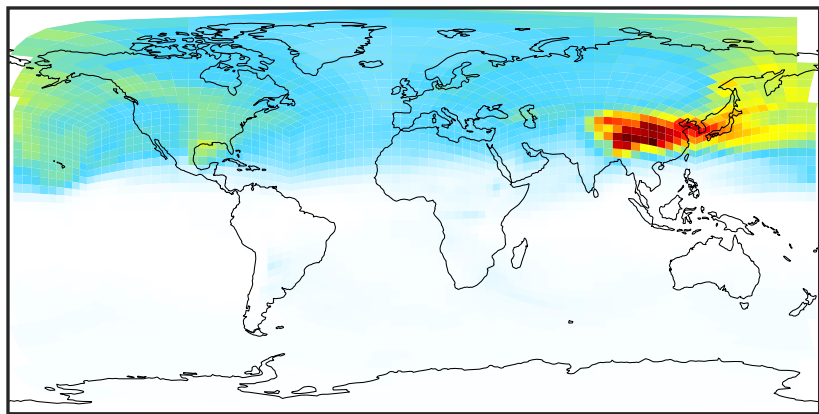
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

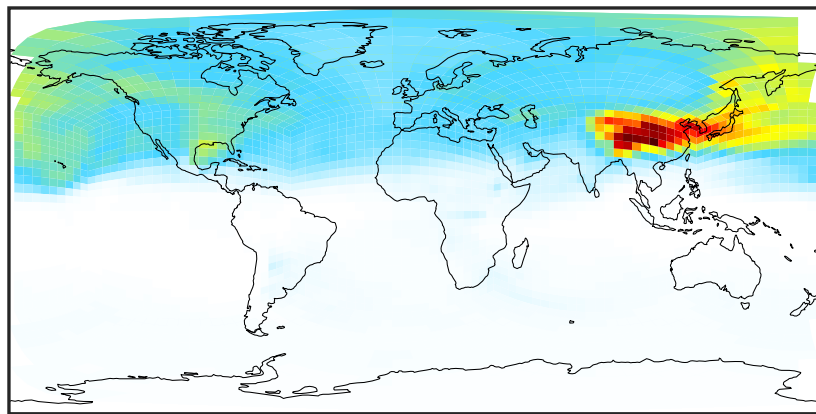
SpeciesConcVV_NH4 (Apr2019)

14.2.0-rc.2 (Ref)
c24



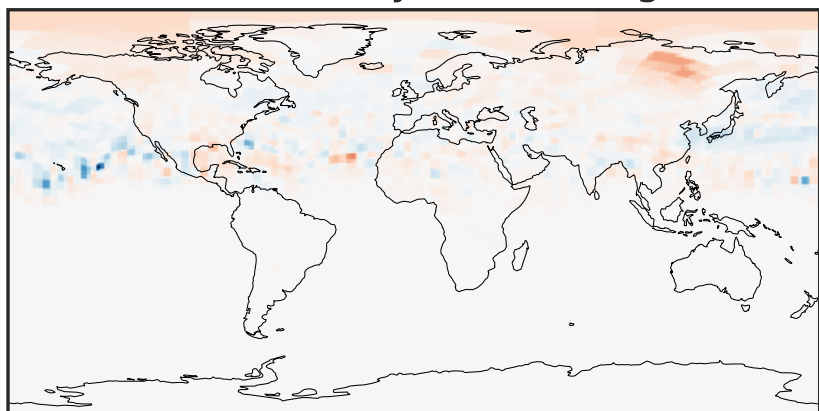
0.0001 0.1003 0.2004 0.3006 0.4008
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



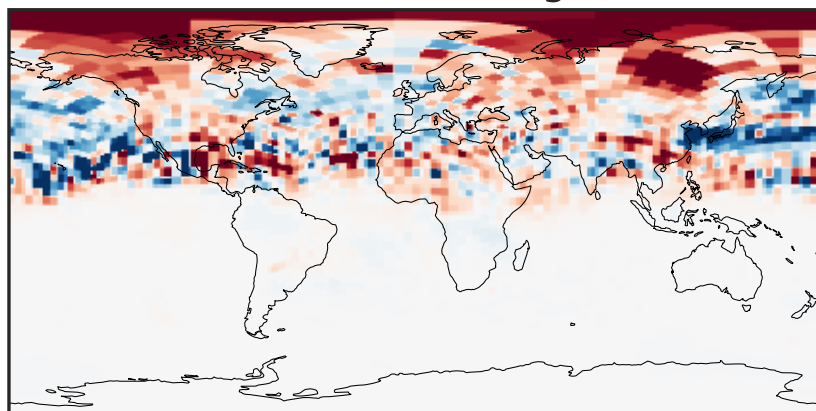
0.0001 0.1003 0.2004 0.3006 0.4008
 $\mu\text{g}/\text{m}^3$

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



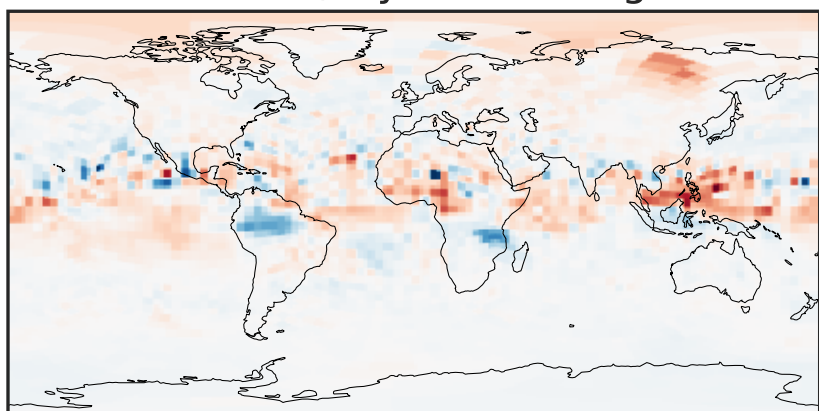
-0.0015 0.0000 0.0015
 $\mu\text{g}/\text{m}^3$

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



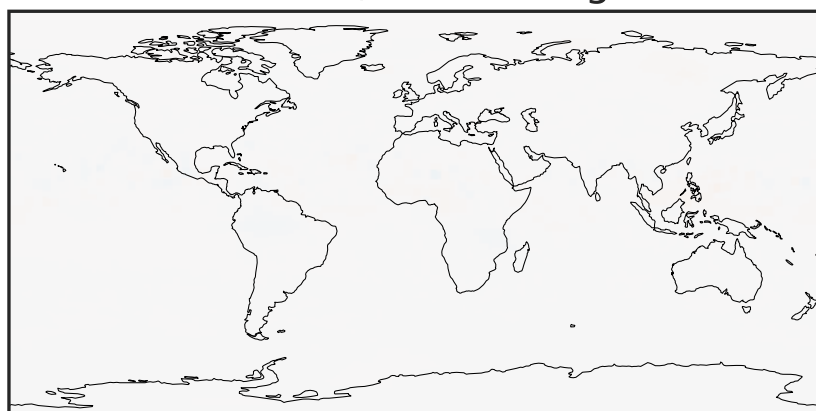
-0.0002 0.0000 0.0002
 $\mu\text{g}/\text{m}^3$

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



0.97786 0.98893 1.00000 1.01132 1.02264
unitless

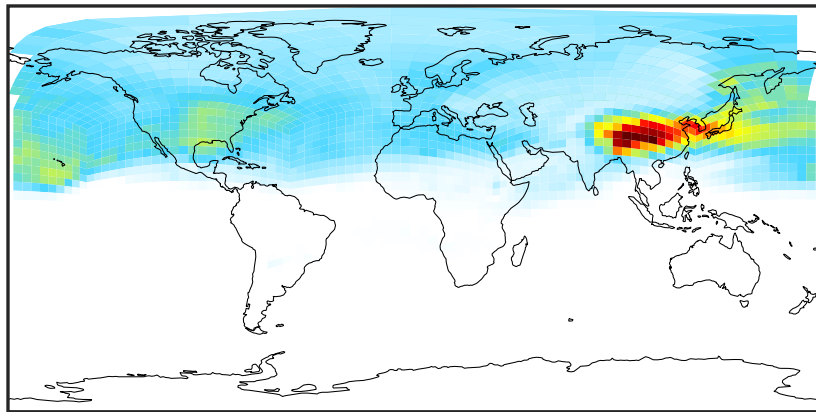
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

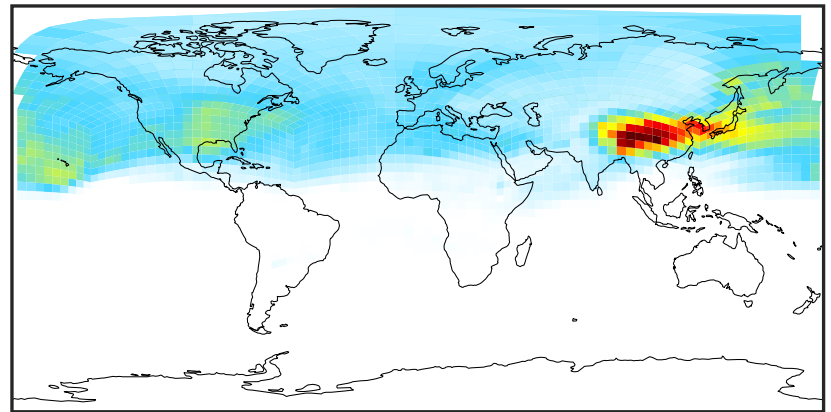
SpeciesConcVV_NIT (Apr2019)

14.2.0-rc.2 (Ref)
c24



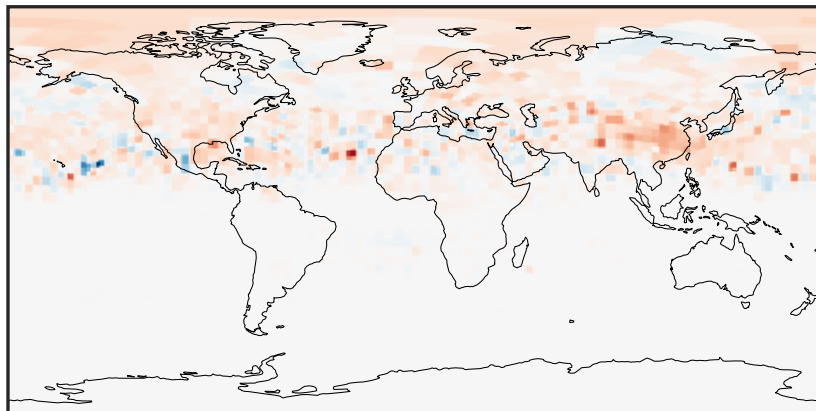
0.0000 0.1740 0.3481 0.5221 0.6961
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



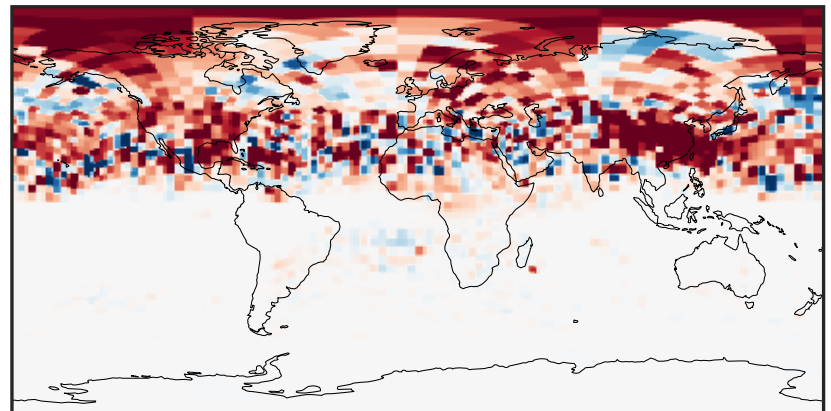
0.0000 0.1740 0.3481 0.5221 0.6961
 $\mu\text{g}/\text{m}^3$

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



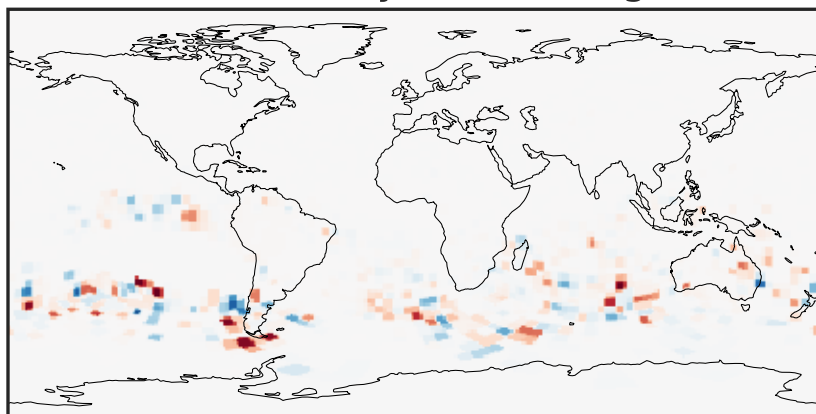
-0.005 0.000 0.005
 $\mu\text{g}/\text{m}^3$

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



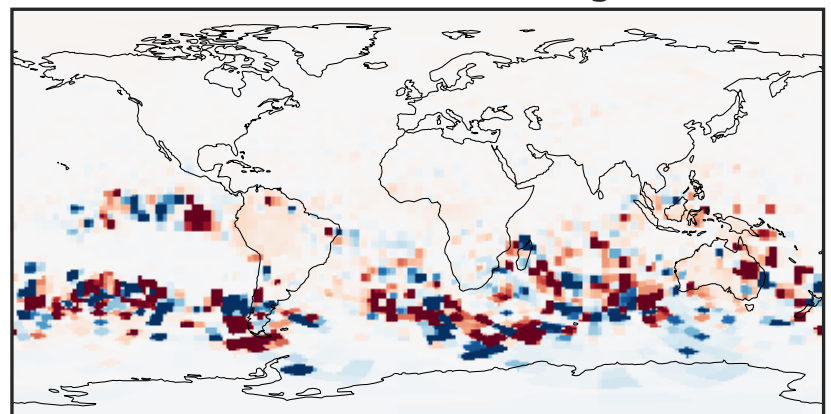
-0.0008 0.0000 0.0008
 $\mu\text{g}/\text{m}^3$

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



1e-03 1e-02 1e-01 1 10 100 1000
unitless

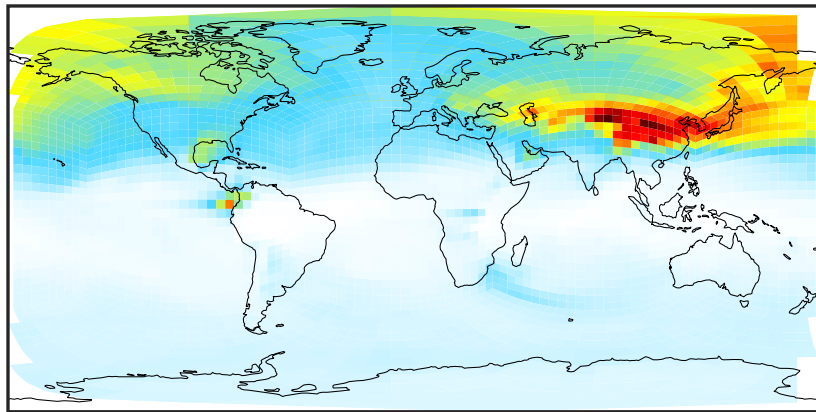
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

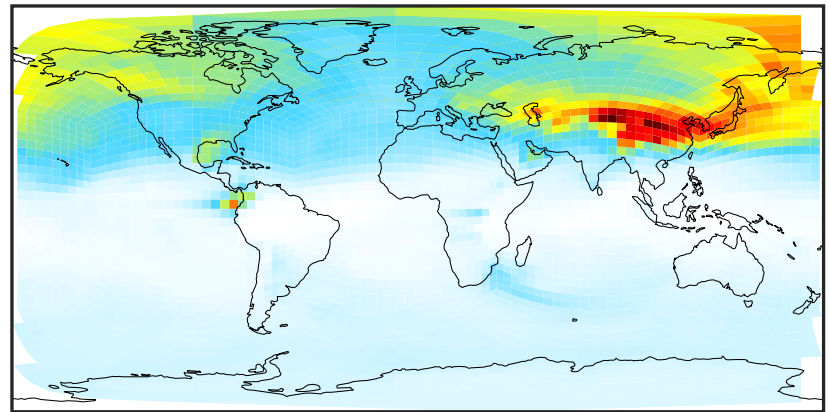
SpeciesConcVV_SO4 (Apr2019)

14.2.0-rc.2 (Ref)
c24



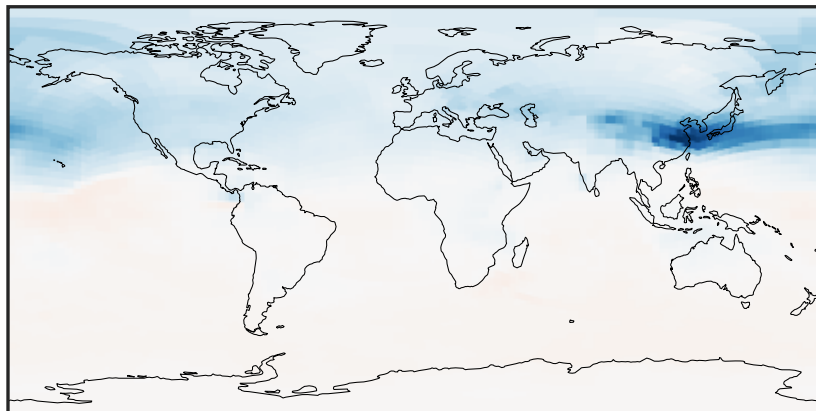
0.0036 0.1495 0.2955 0.4414 0.5874
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



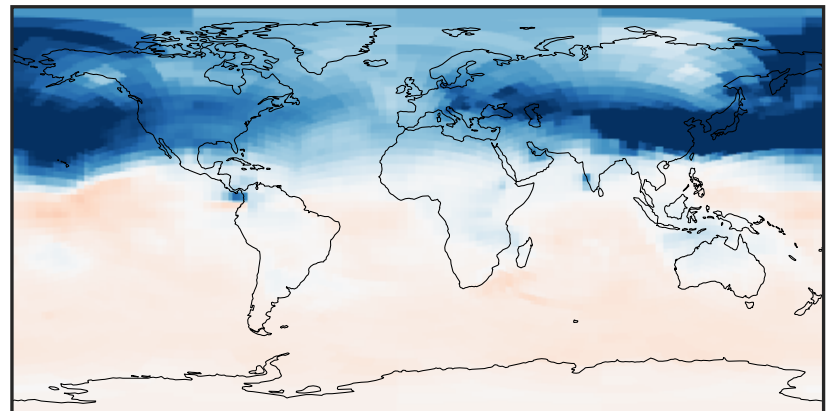
0.0036 0.1495 0.2955 0.4414 0.5874
 $\mu\text{g}/\text{m}^3$

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



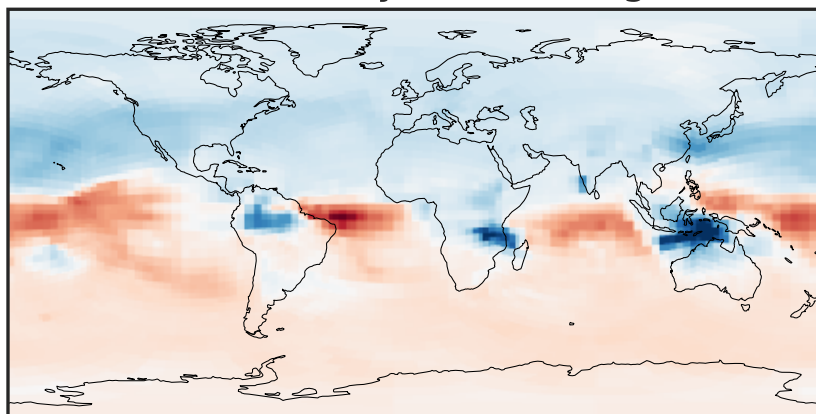
-0.0025 0.0000 0.0025
 $\mu\text{g}/\text{m}^3$

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



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

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



0.9756 0.9878 1.0000 1.0125 1.0250
unitless

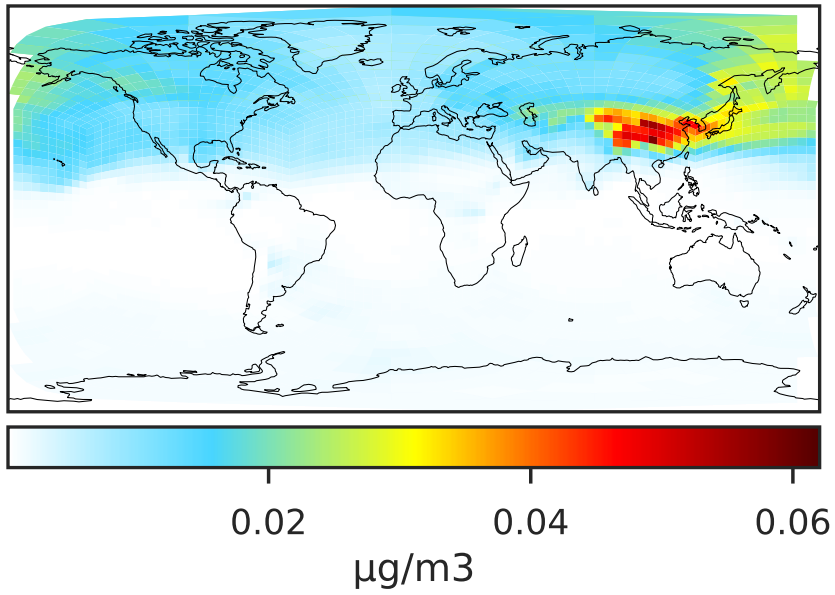
Ratio (1x1.25)
Dev/Ref, Fixed Range



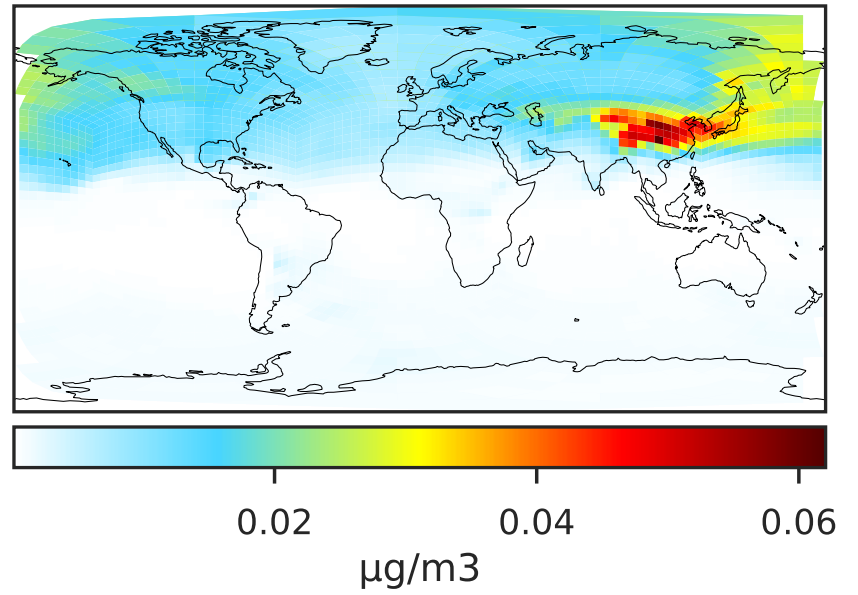
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HMS (Apr2019)

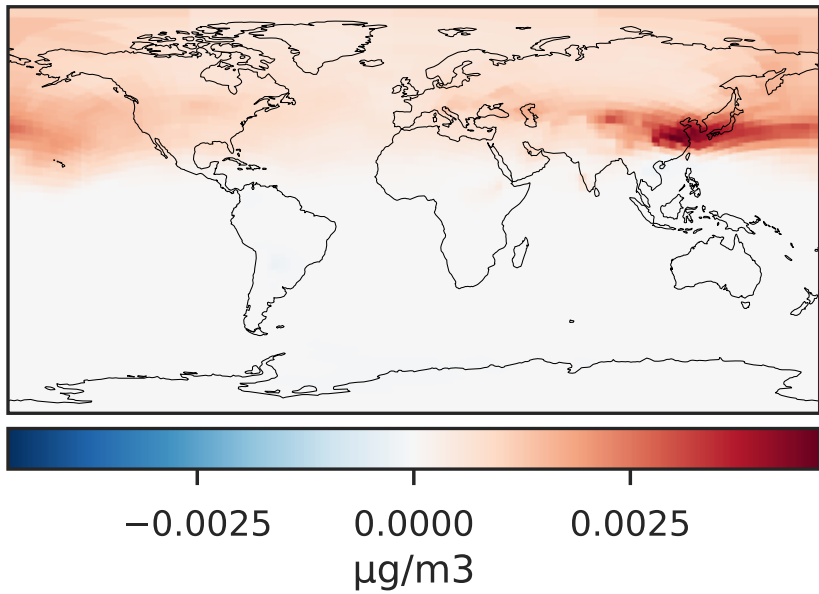
14.2.0-rc.2 (Ref)
c24



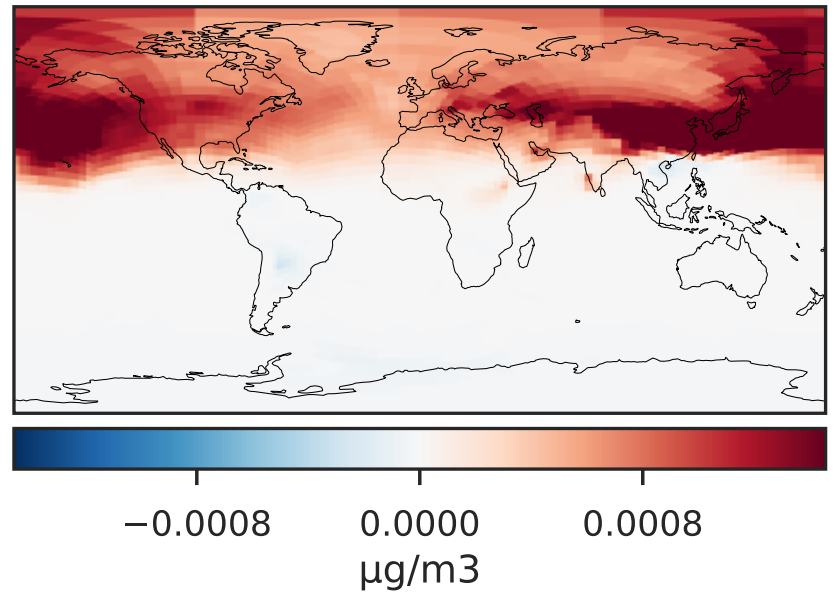
14.3.0-rc.0 (Dev)
c24



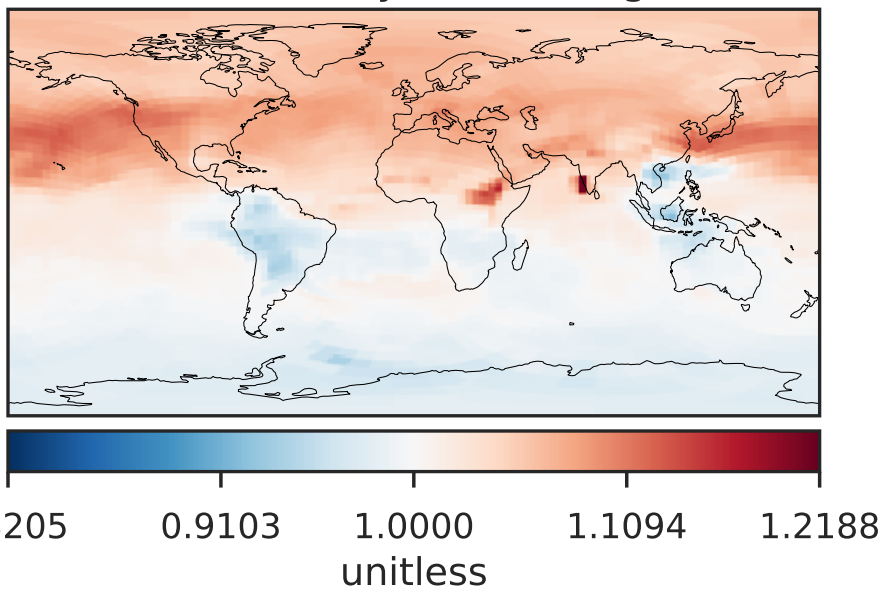
Difference (1x1.25)
Dev - Ref, Dynamic Range



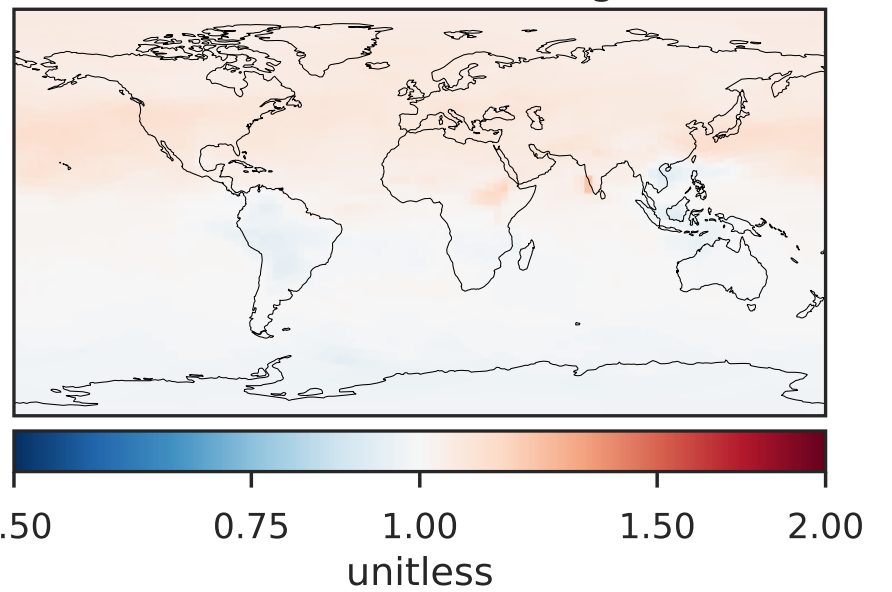
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

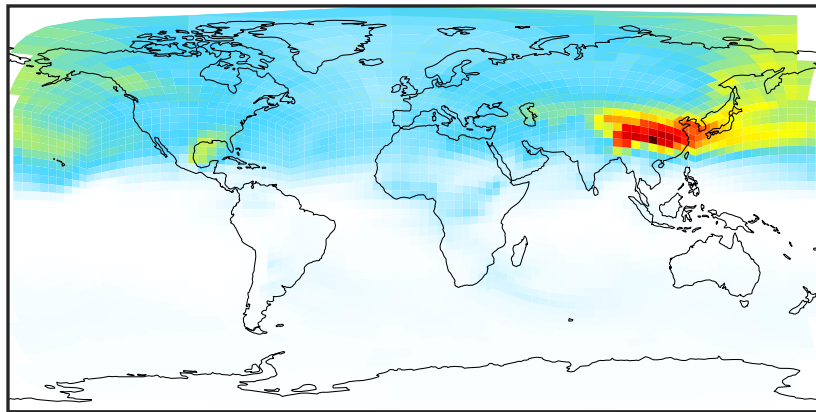


Ratio (1x1.25)
Dev/Ref, Fixed Range



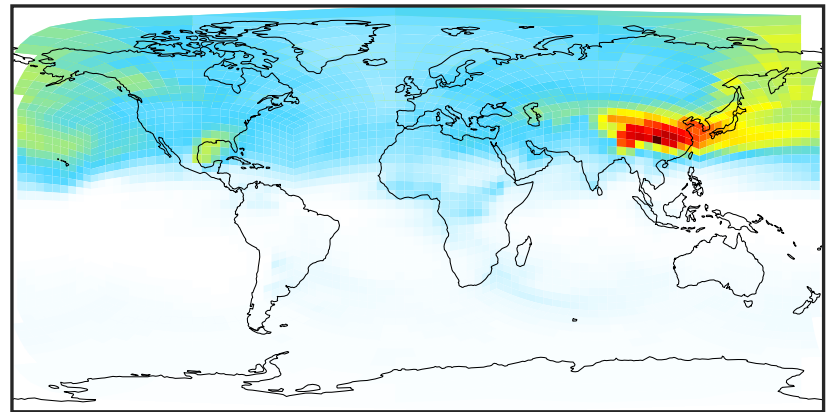
SpeciesConcVV_BCPI (Apr2019)

14.2.0-rc.2 (Ref)
c24



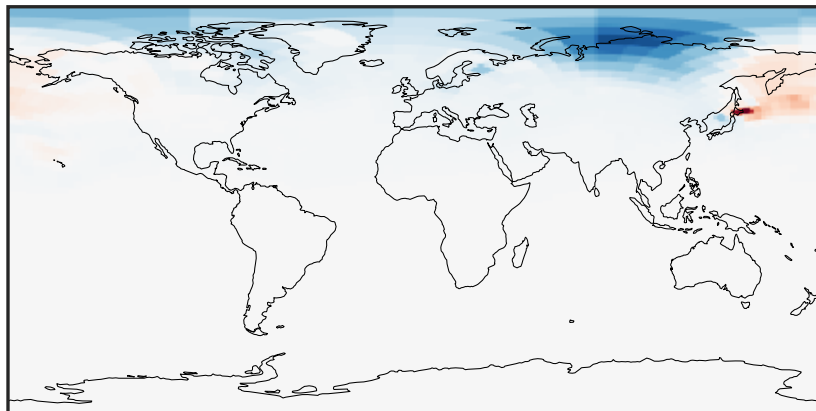
0.015 0.030
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



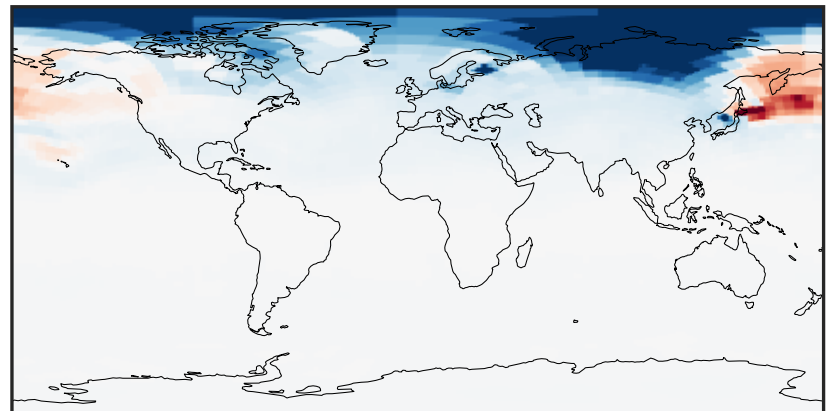
0.015 0.030
 $\mu\text{g}/\text{m}^3$

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



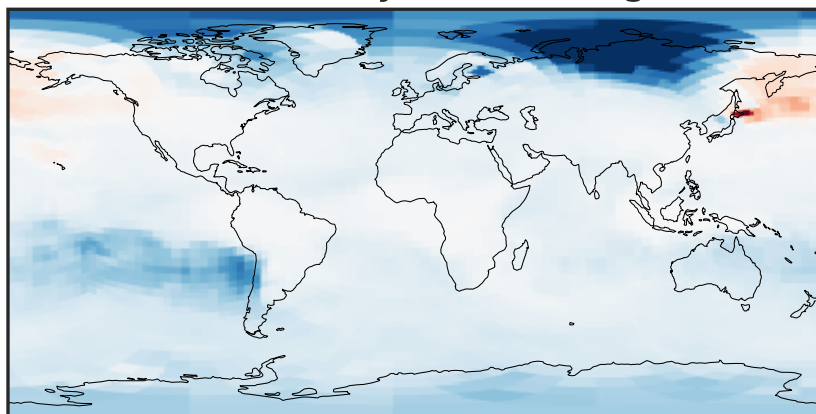
-2 0 2
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



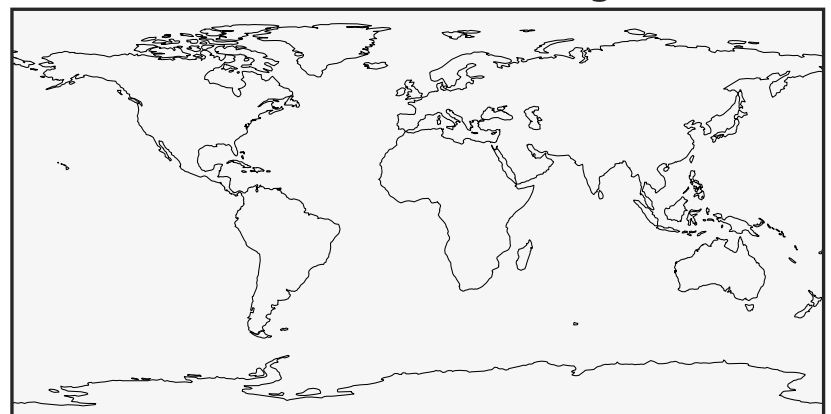
-8 0 8
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

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



0.998530 0.999265 1.000000 1.000736 1.001472
unitless

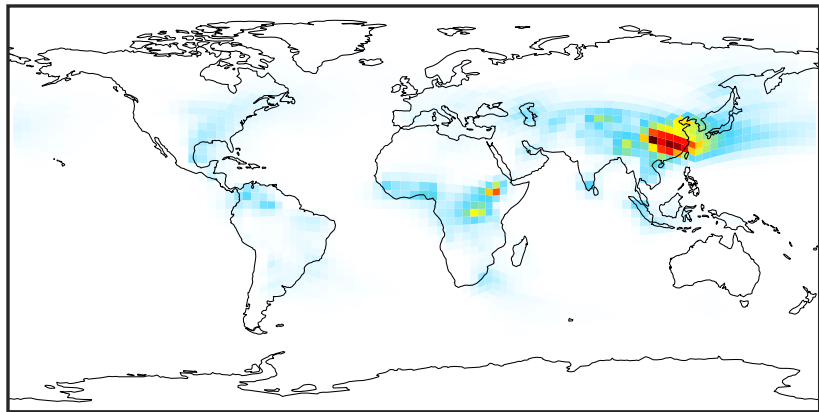
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

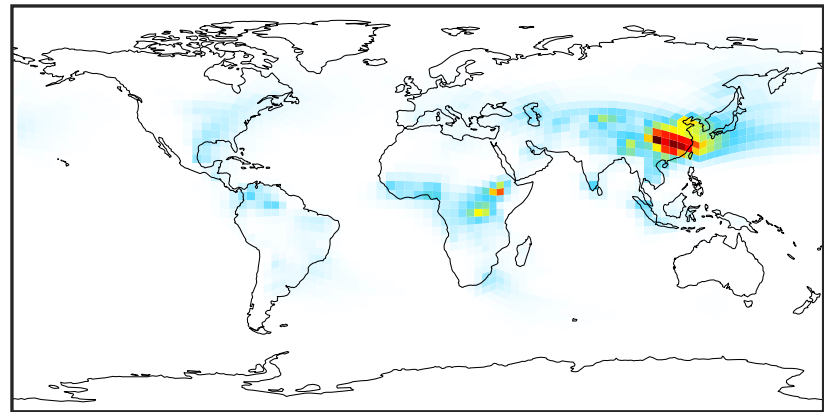
SpeciesConcVV_BCPO (Apr2019)

14.2.0-rc.2 (Ref)
c24



0.0025 0.0050 0.0075
µg/m3

14.3.0-rc.0 (Dev)
c24



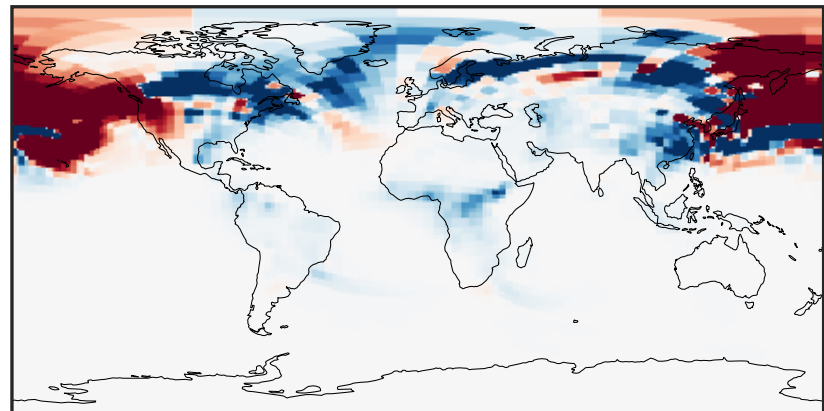
0.0025 0.0050 0.0075
µg/m3

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



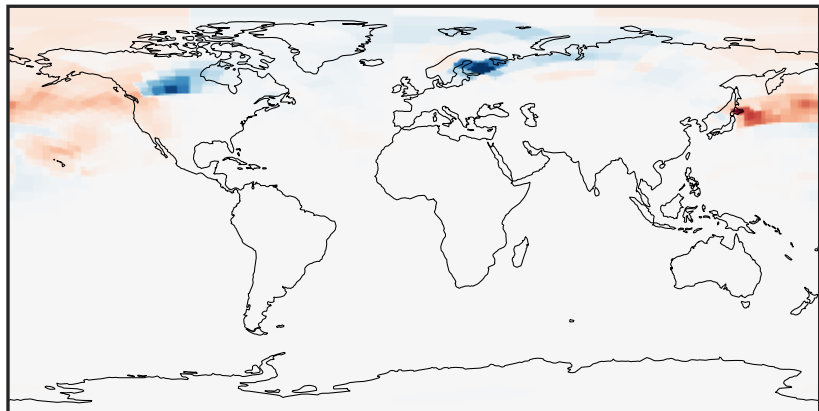
-1.5 0.0 1.5
µg/m3 1e-6

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



-4 0 4
µg/m3 1e-9

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



0.997907 0.998953 1.000000 1.001049 1.002098
unitless

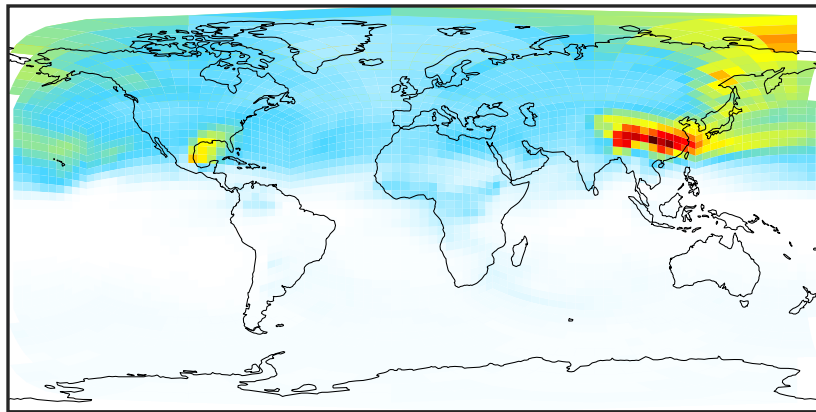
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

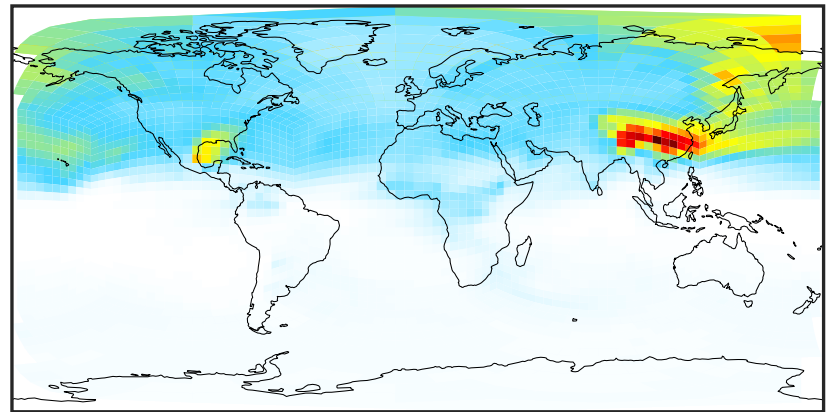
SpeciesConcVV_OCPI (Apr2019)

14.2.0-rc.2 (Ref)
c24



0.0000 0.0343 0.0686 0.1028 0.1371
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



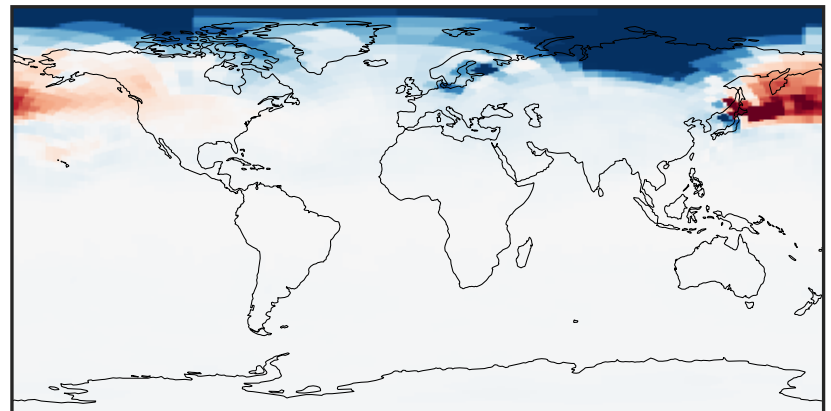
0.0000 0.0343 0.0686 0.1028 0.1371
 $\mu\text{g}/\text{m}^3$

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



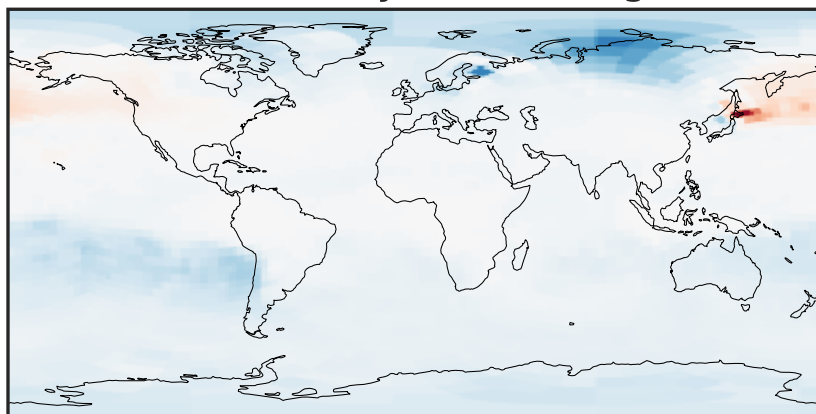
-0.0001 0.0000 0.0001
 $\mu\text{g}/\text{m}^3$

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



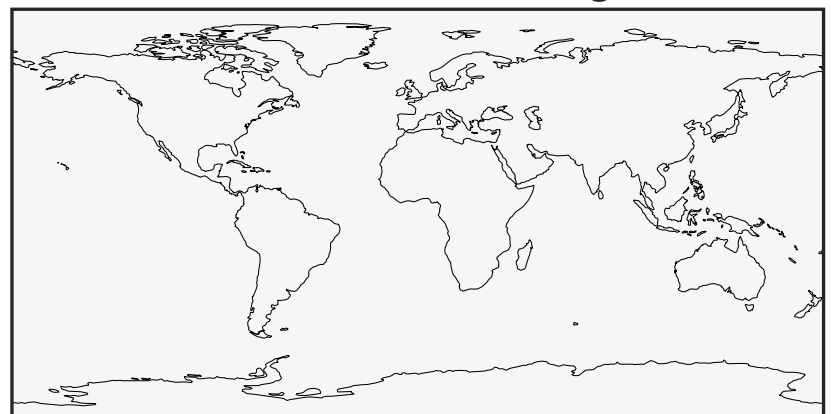
-1.5 0.0 1.5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



0.997493 0.998746 1.000000 1.001257 1.002514
unitless

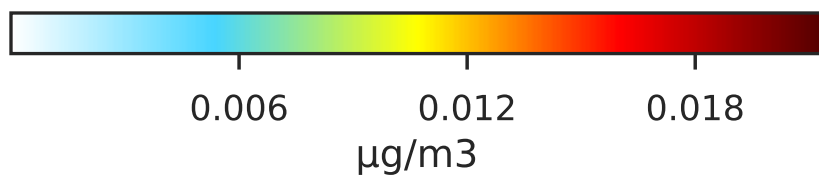
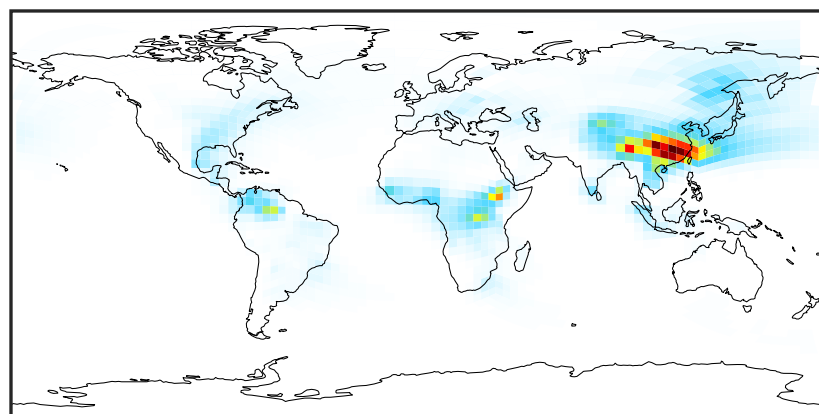
Ratio (1x1.25)
Dev/Ref, Fixed Range



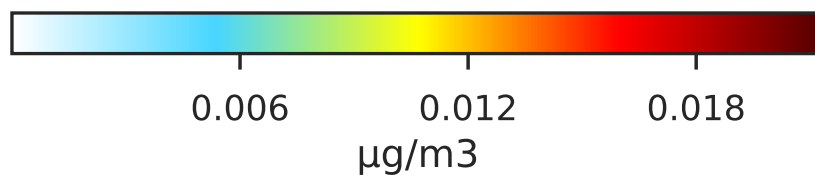
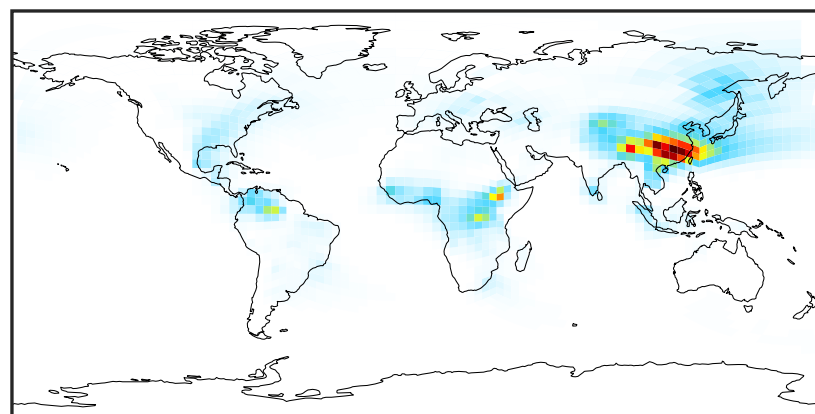
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_OCPO (Apr2019)

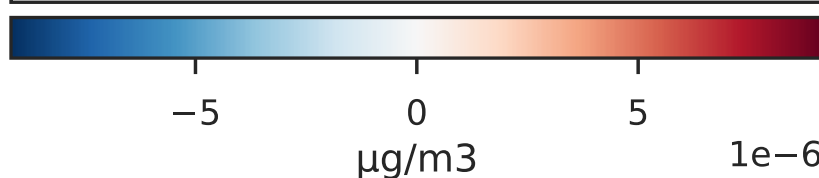
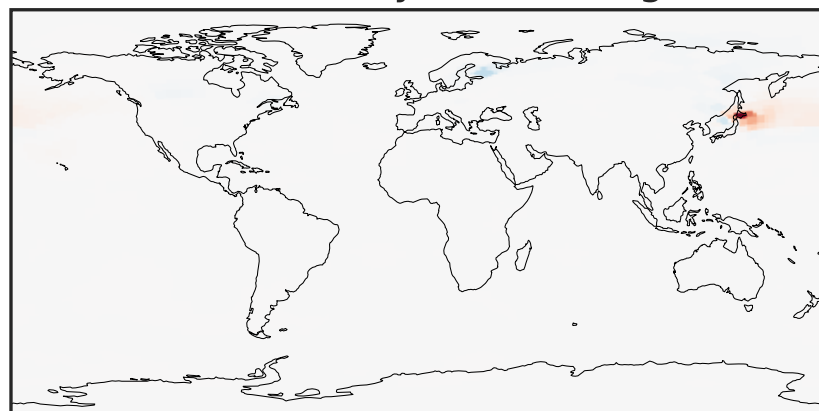
14.2.0-rc.2 (Ref)
c24



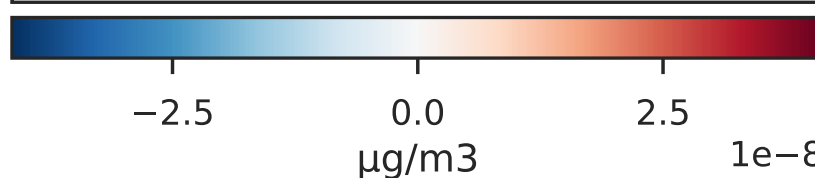
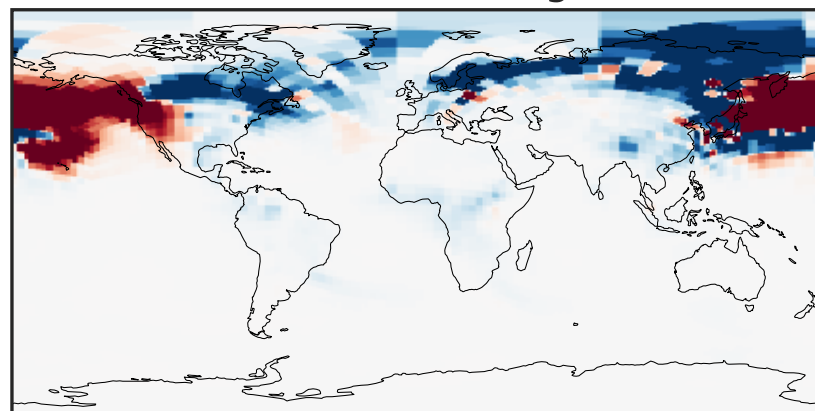
14.3.0-rc.0 (Dev)
c24



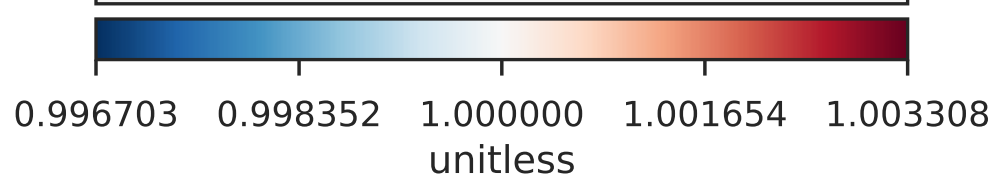
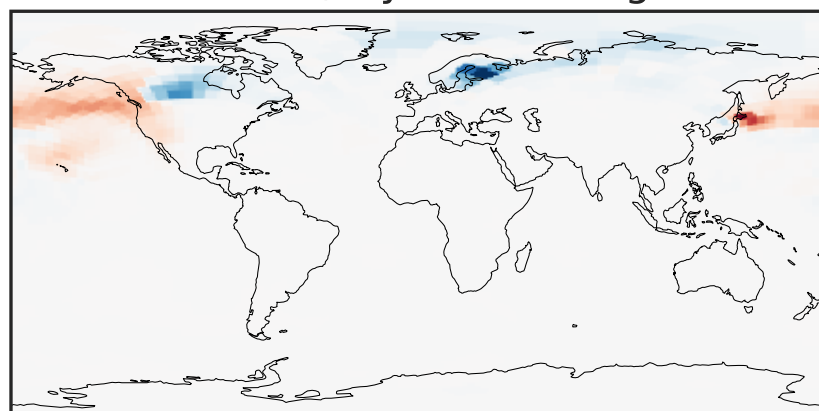
Difference (1x1.25)
Dev - Ref, Dynamic Range



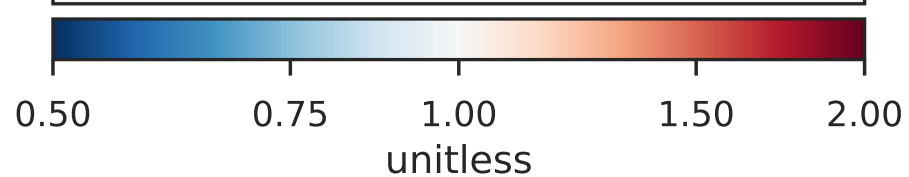
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

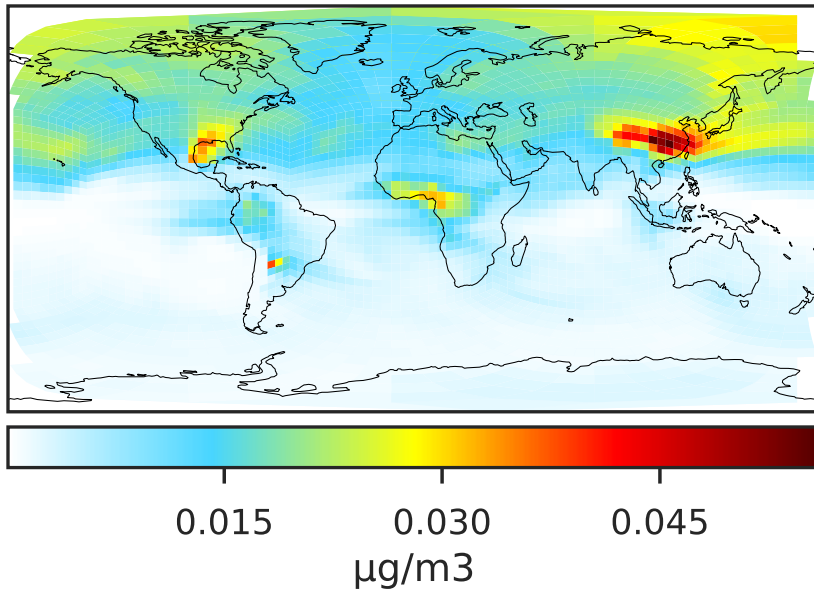


Ratio (1x1.25)
Dev/Ref, Fixed Range

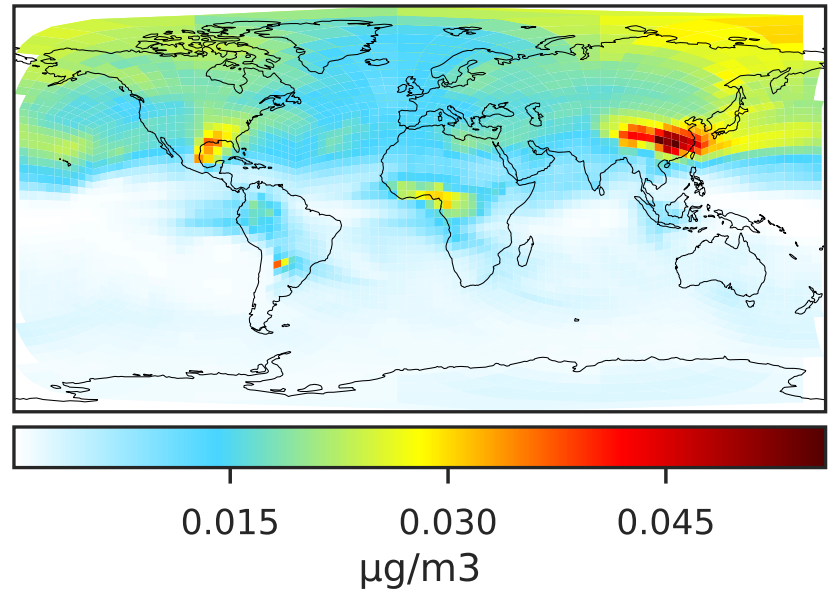


SpeciesConcVV_Complex_SOA (Apr2019)

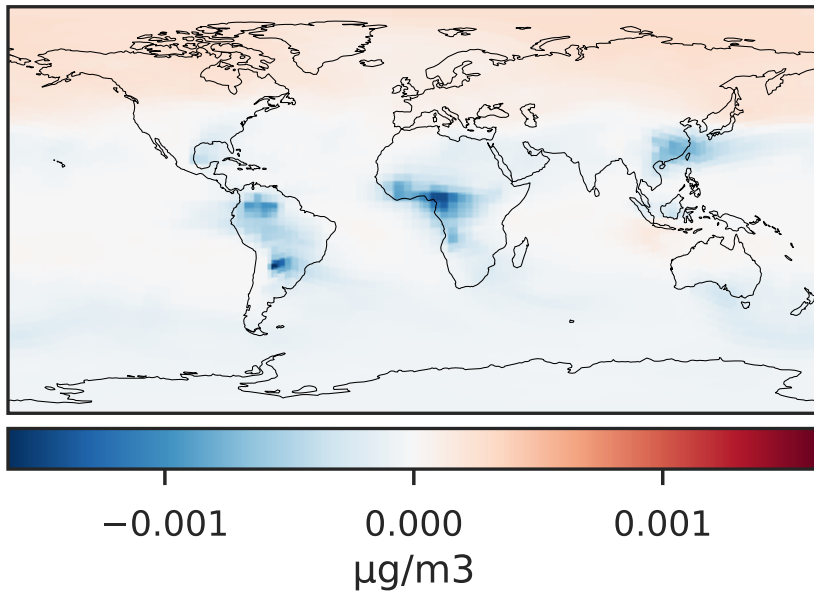
14.2.0-rc.2 (Ref)
c24



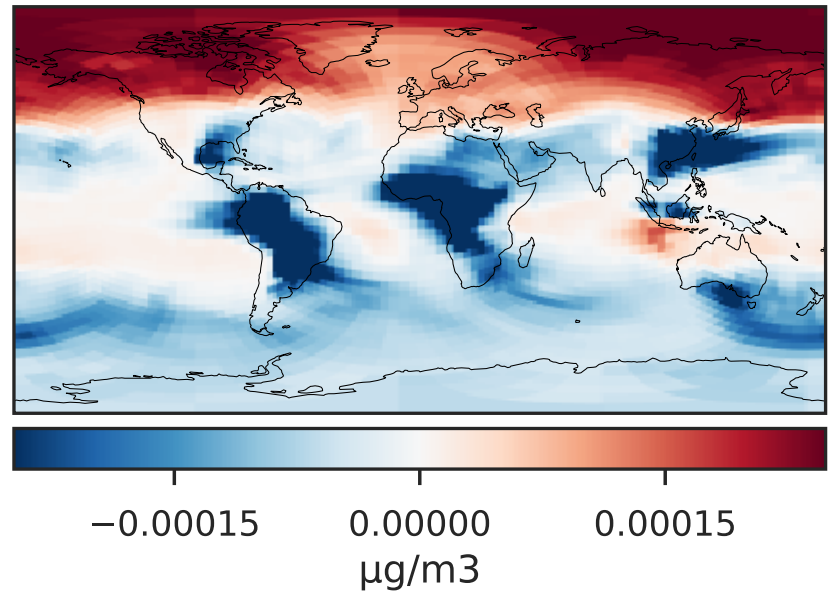
14.3.0-rc.0 (Dev)
c24



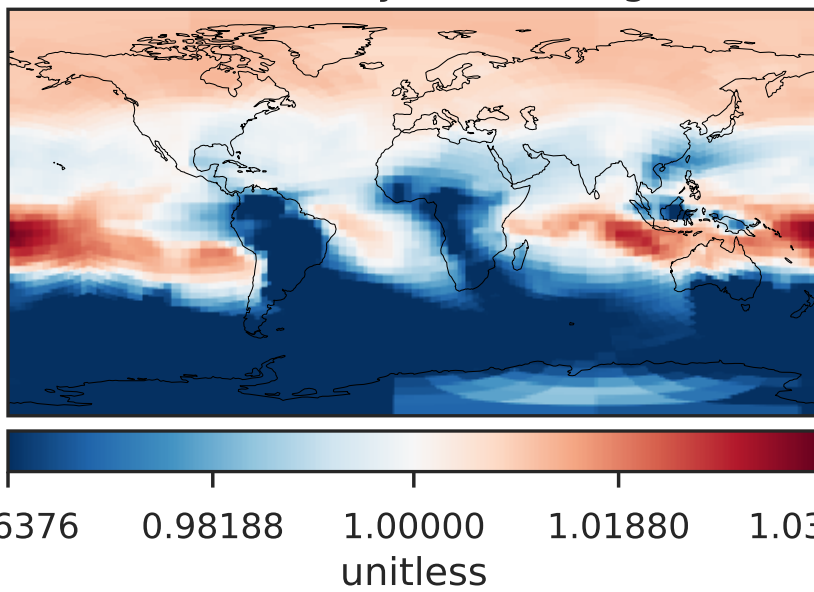
Difference (1x1.25)
Dev - Ref, Dynamic Range



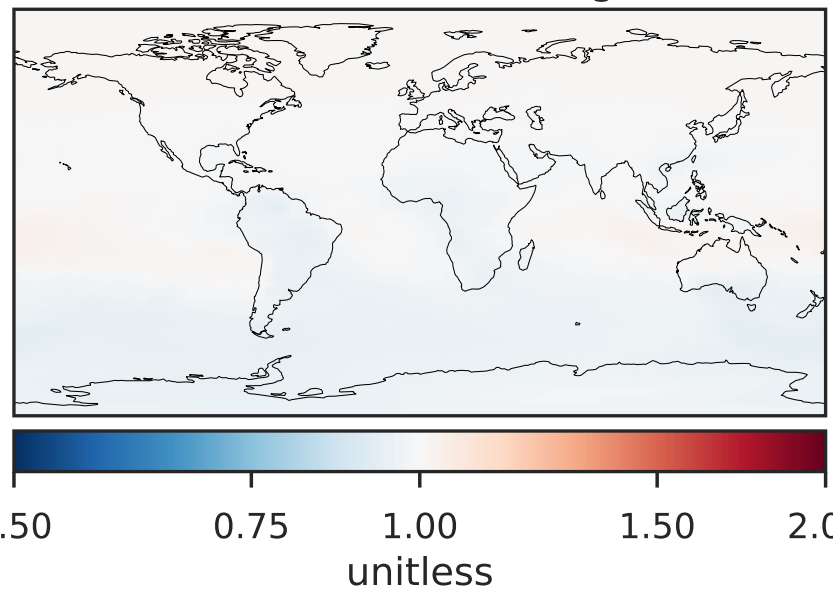
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

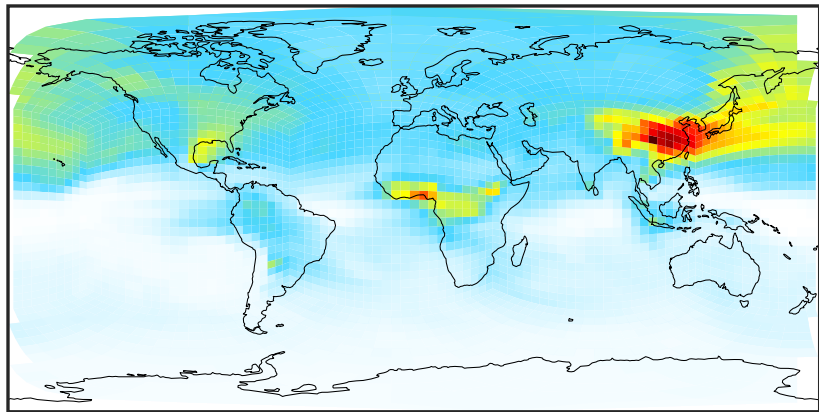


Ratio (1x1.25)
Dev/Ref, Fixed Range



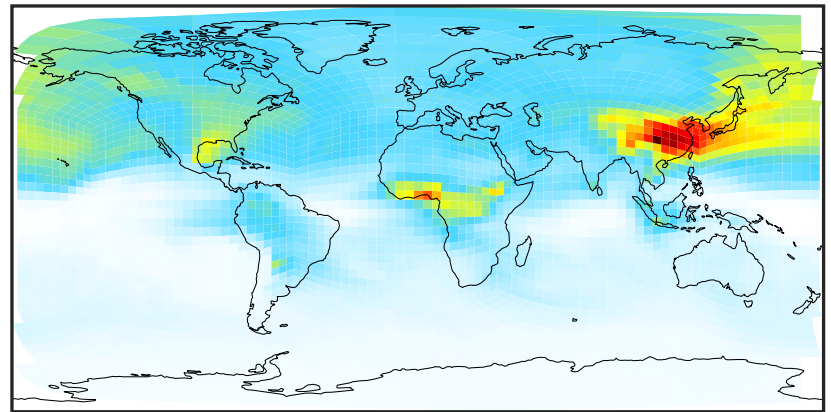
SpeciesConcVV_Simple_SOA (Apr2019)

14.2.0-rc.2 (Ref)
c24



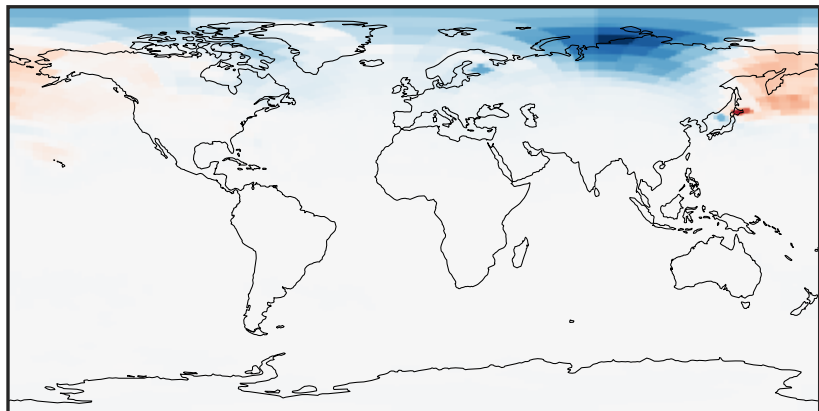
0.001 0.122 0.243 0.364 0.485
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



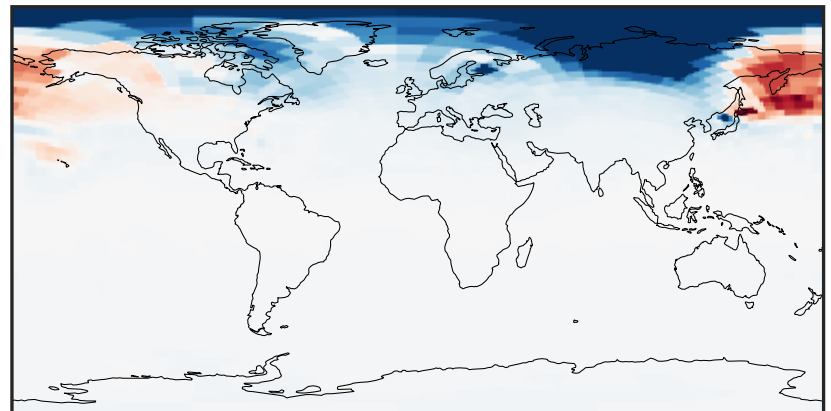
0.001 0.122 0.243 0.364 0.485
 $\mu\text{g}/\text{m}^3$

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



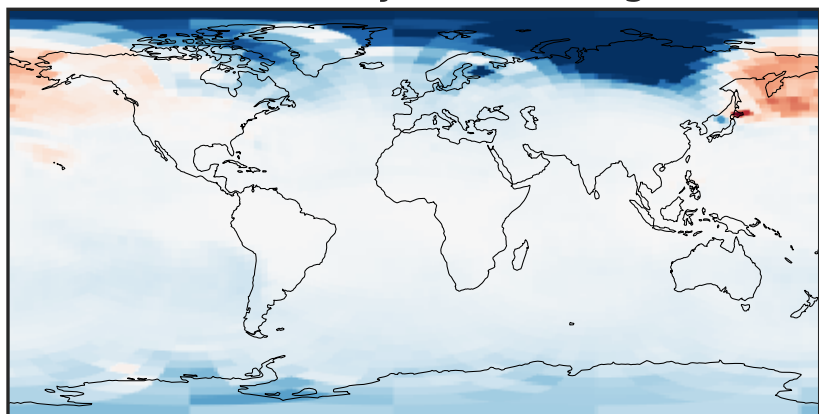
-0.0001 0.0000 0.0001
 $\mu\text{g}/\text{m}^3$

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



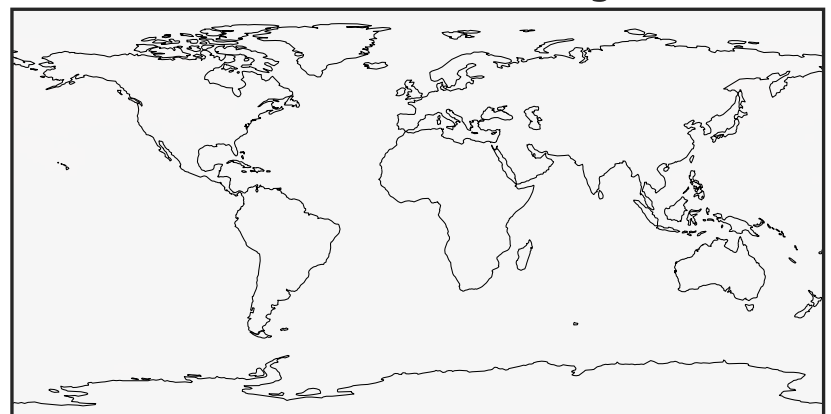
-4 0 4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



0.99941 1.00000 1.00059
unitless

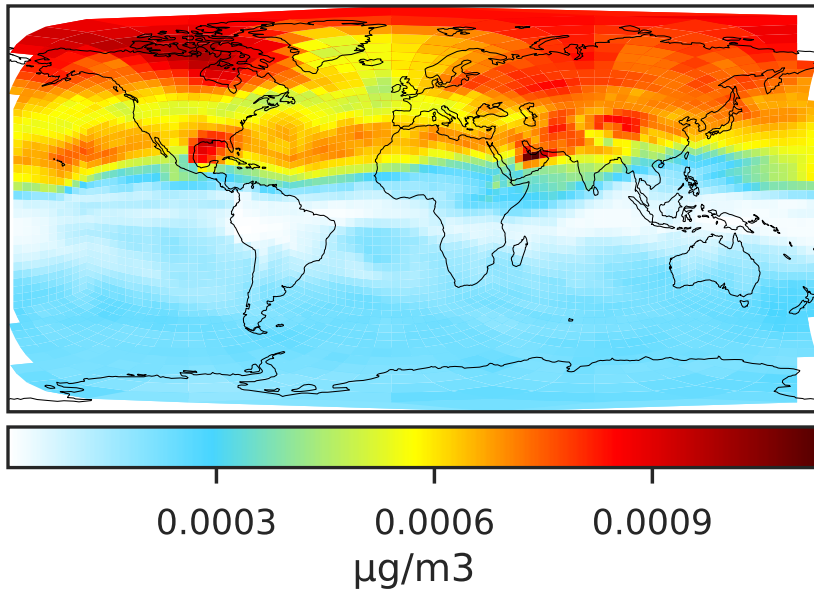
Ratio (1x1.25)
Dev/Ref, Fixed Range



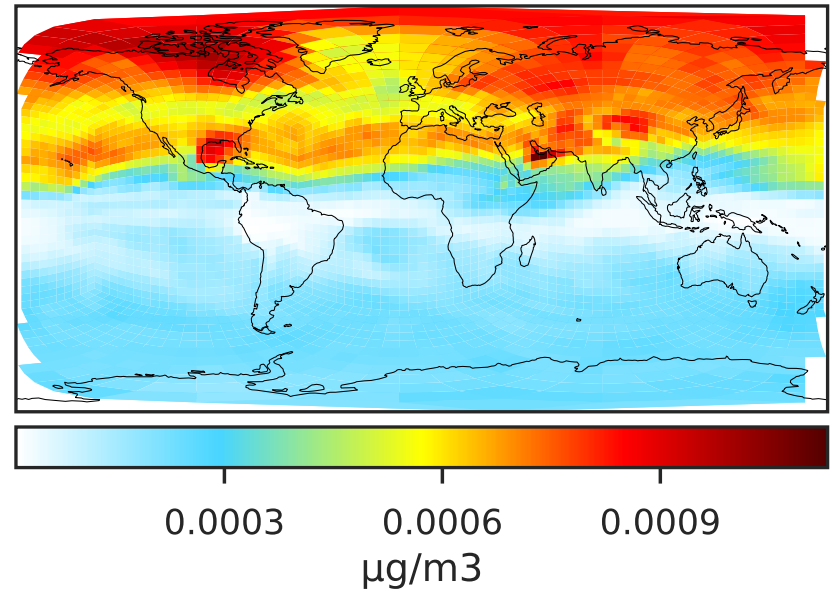
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_AERI (Apr2019)

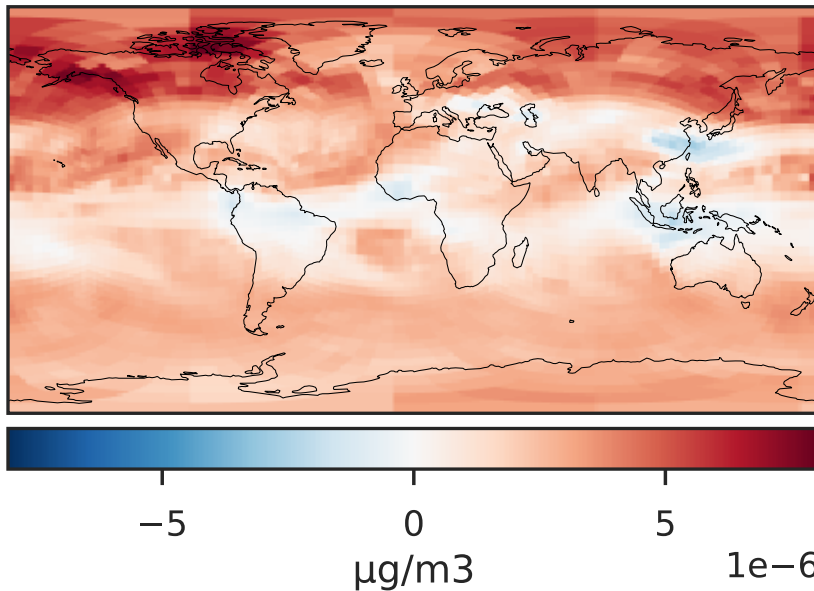
14.2.0-rc.2 (Ref)
c24



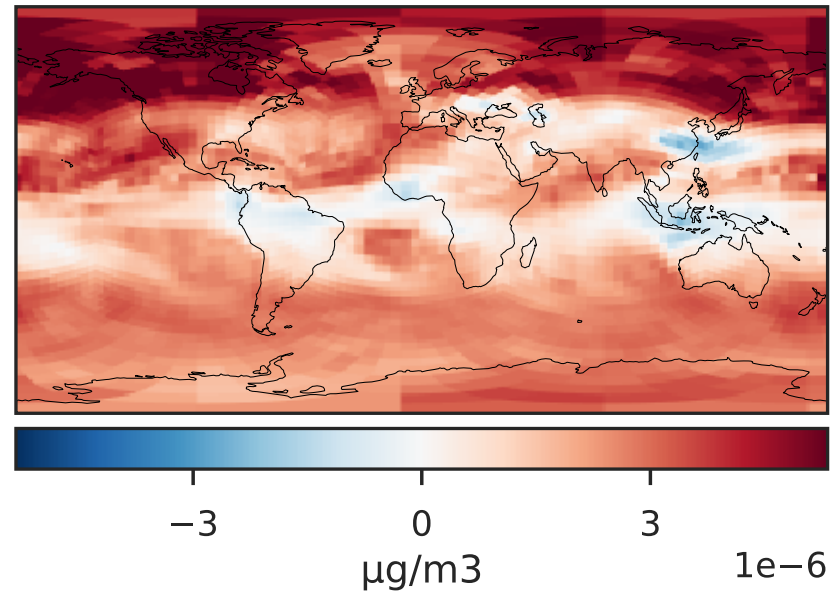
14.3.0-rc.0 (Dev)
c24



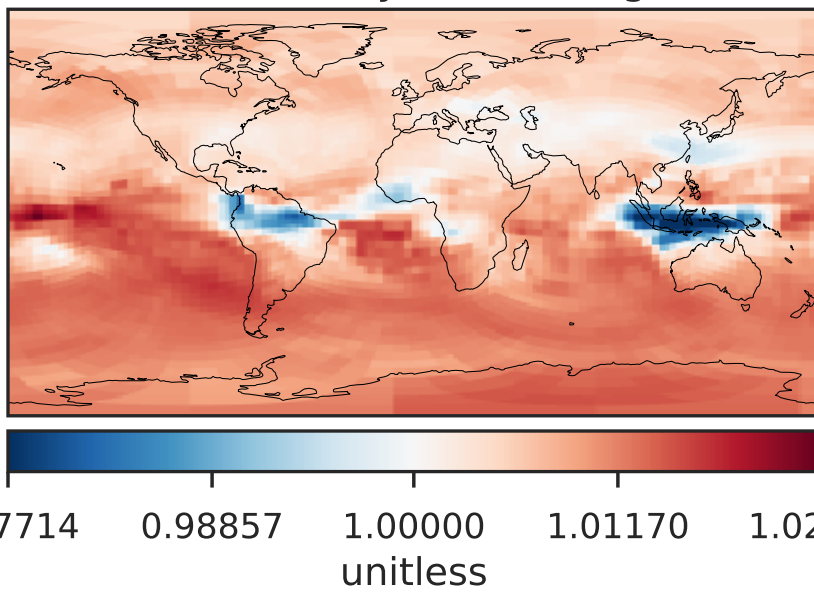
Difference (1x1.25)
Dev - Ref, Dynamic Range



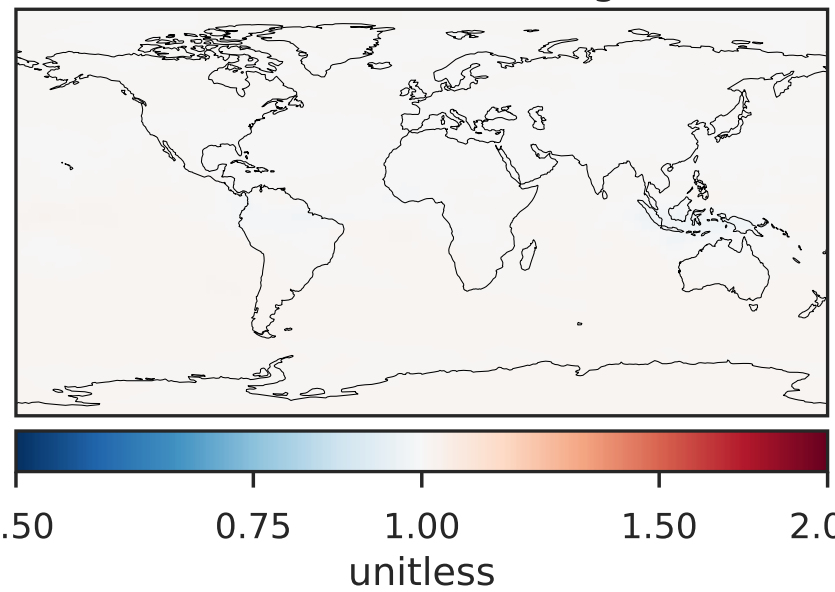
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

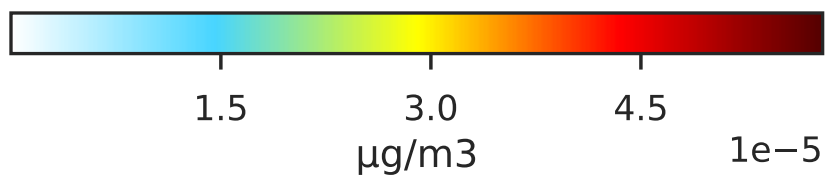
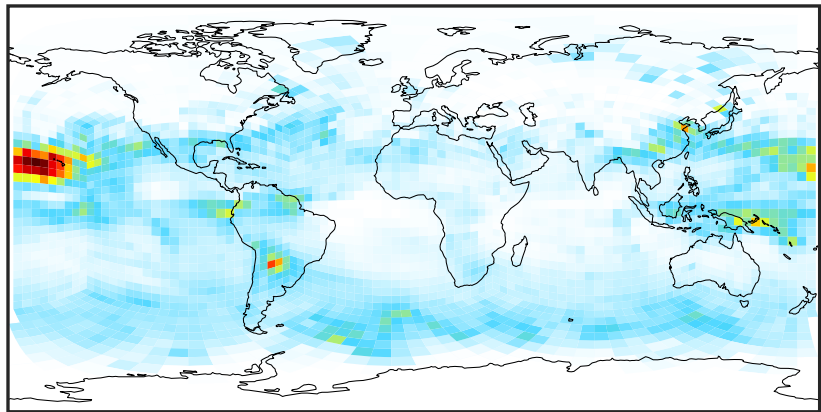


Ratio (1x1.25)
Dev/Ref, Fixed Range

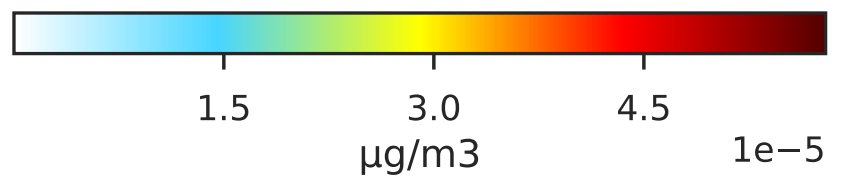
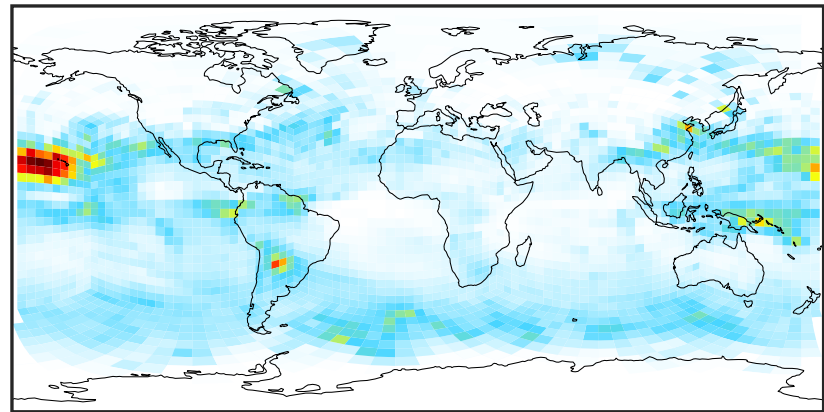


SpeciesConcVV_BrSALA (Apr2019)

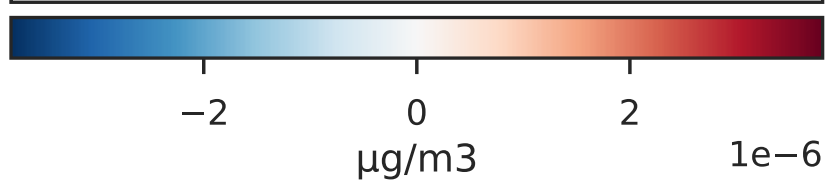
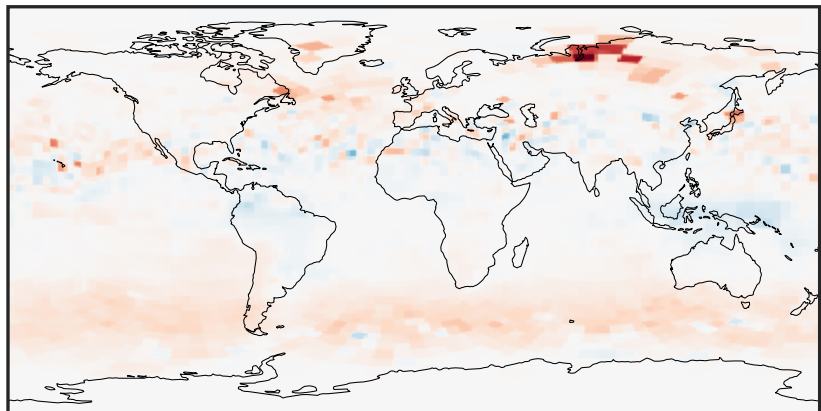
14.2.0-rc.2 (Ref)
c24



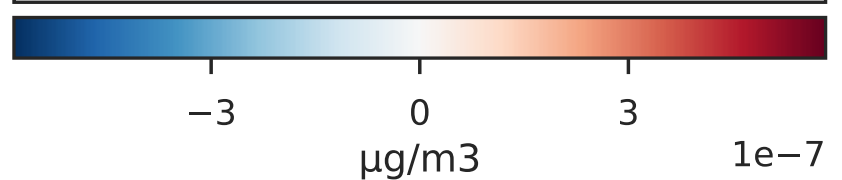
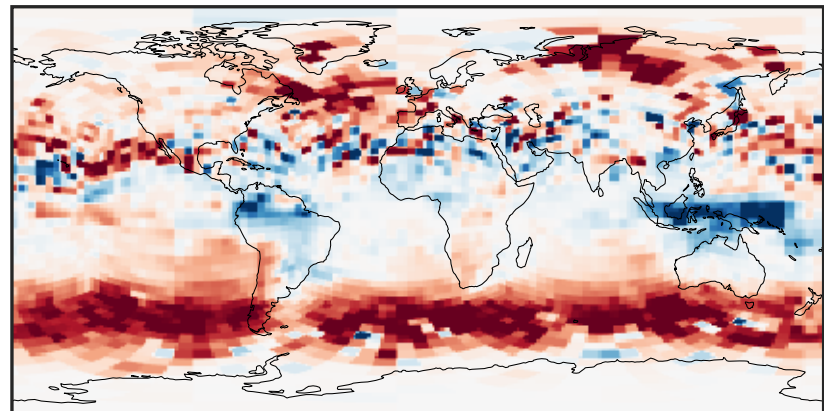
14.3.0-rc.0 (Dev)
c24



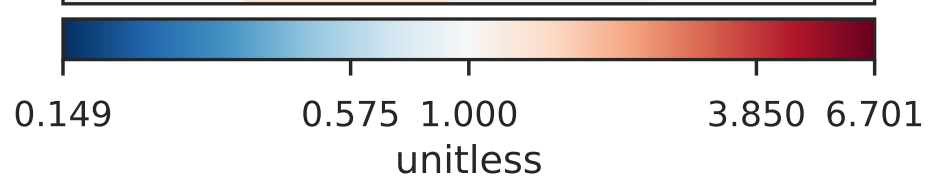
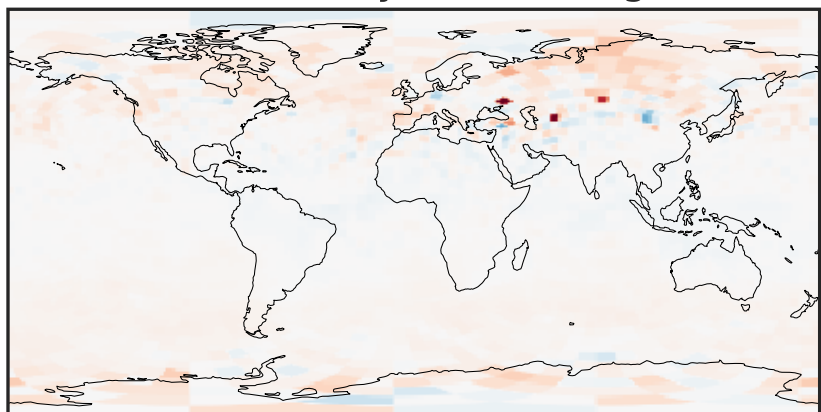
Difference (1x1.25)
Dev - Ref, Dynamic Range



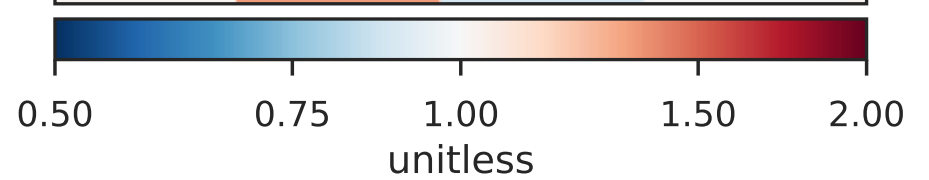
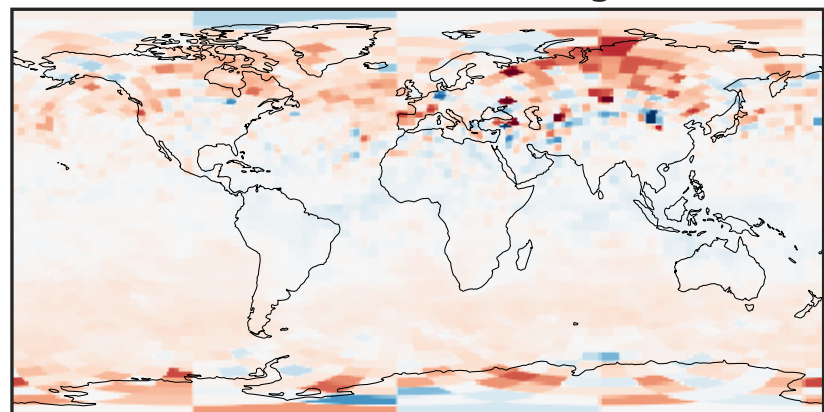
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

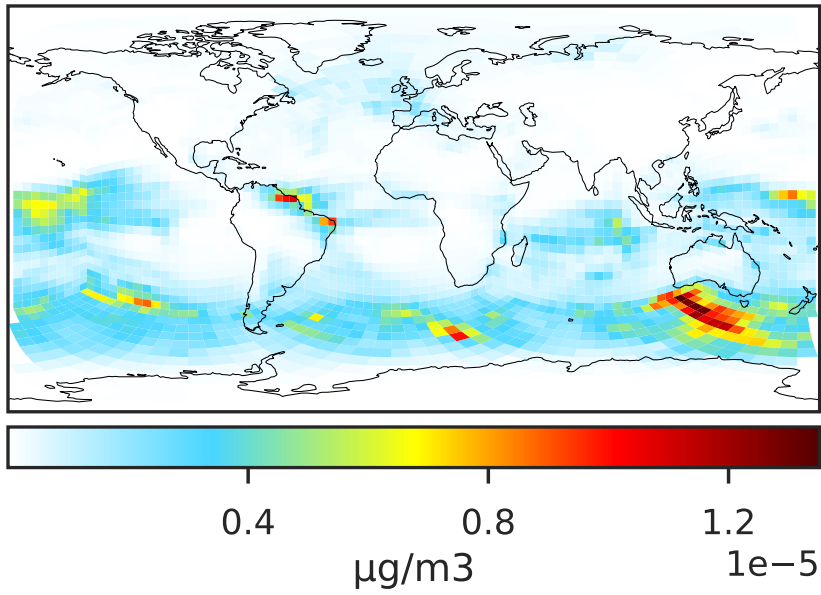


Ratio (1x1.25)
Dev/Ref, Fixed Range

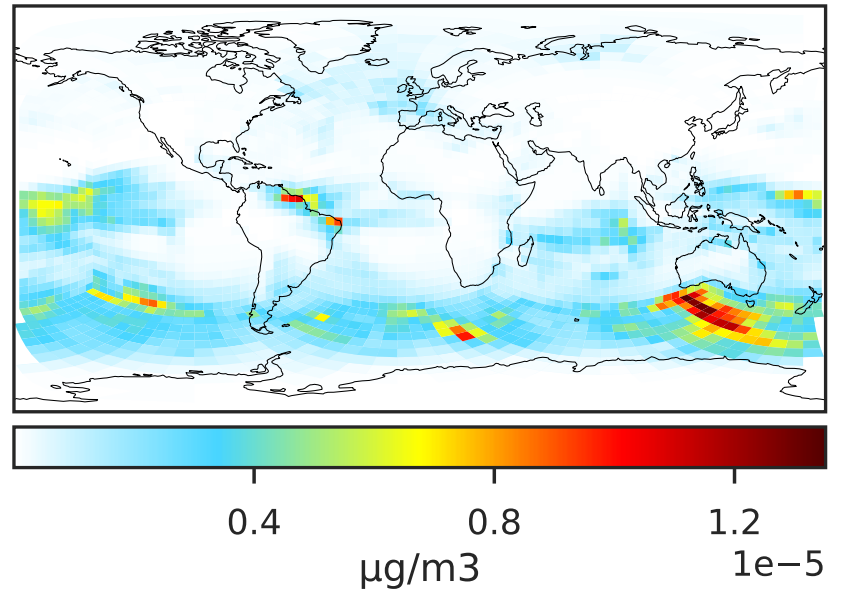


SpeciesConcVV_BrSALC (Apr2019)

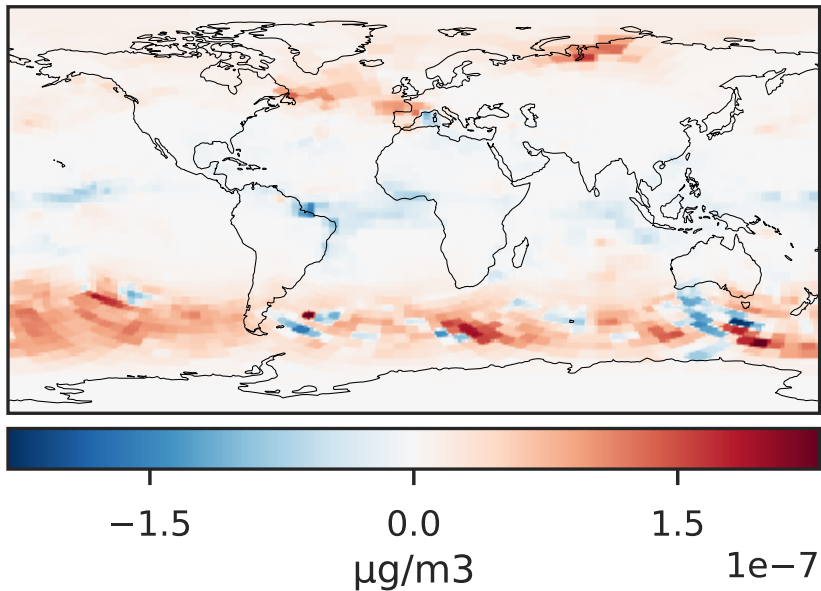
14.2.0-rc.2 (Ref)
c24



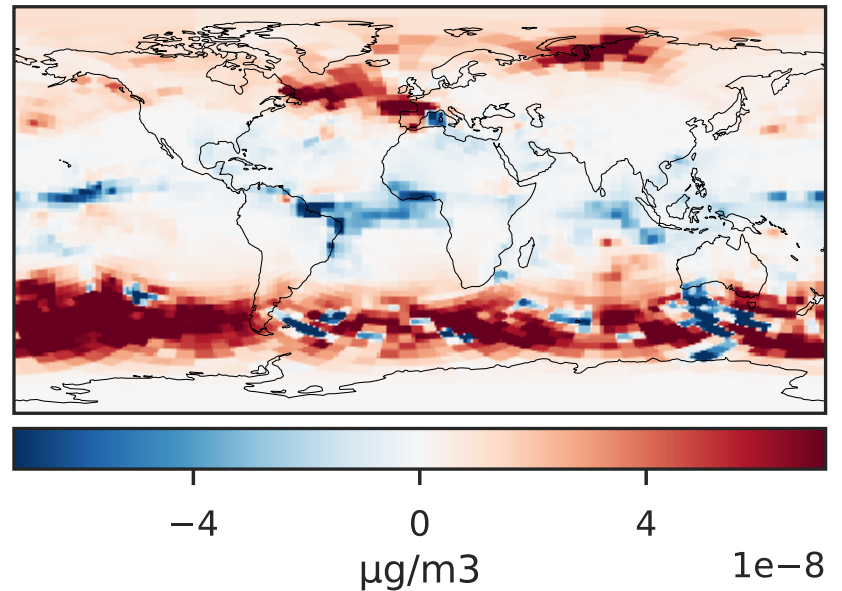
14.3.0-rc.0 (Dev)
c24



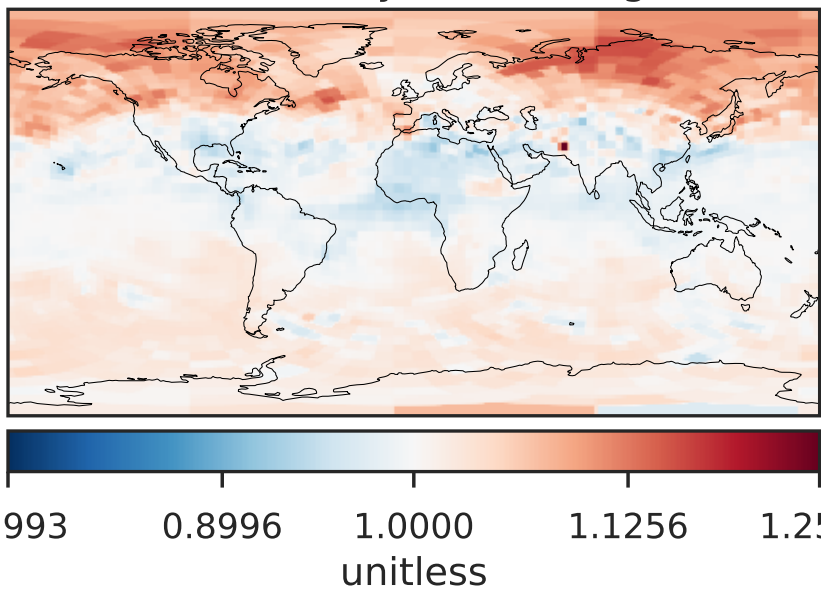
Difference (1x1.25)
Dev - Ref, Dynamic Range



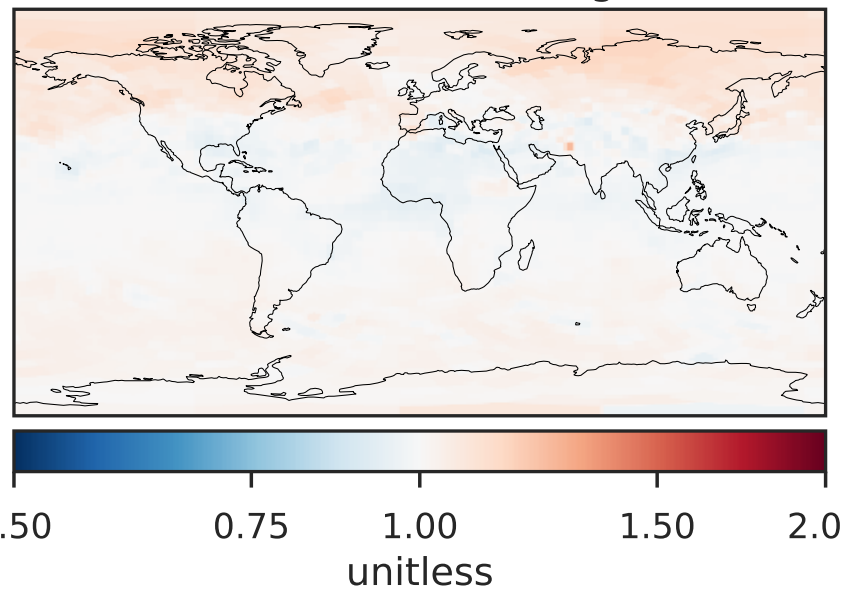
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

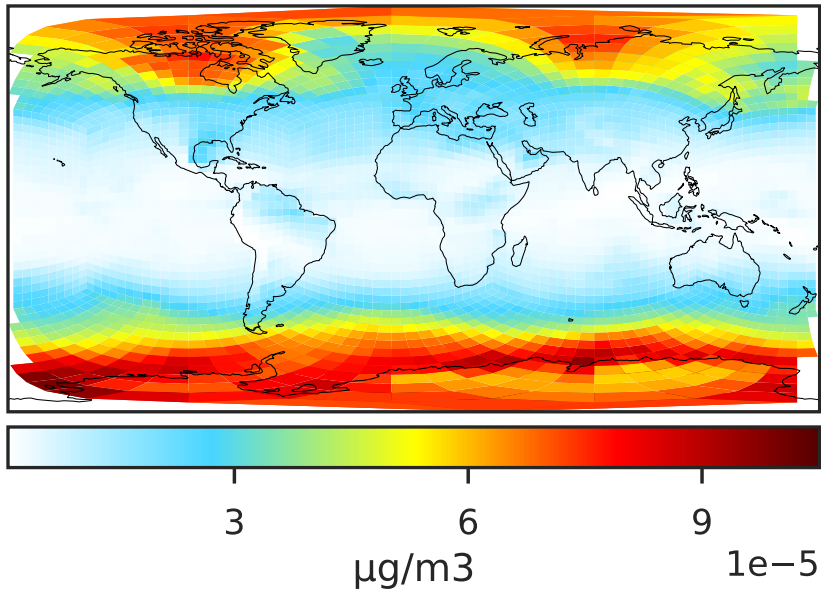


Ratio (1x1.25)
Dev/Ref, Fixed Range

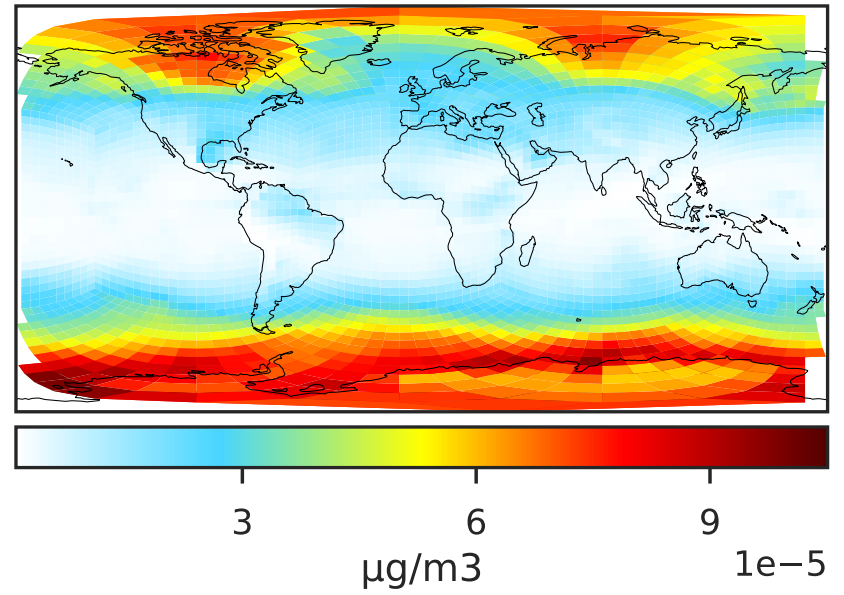


SpeciesConcVV_ISALA (Apr2019)

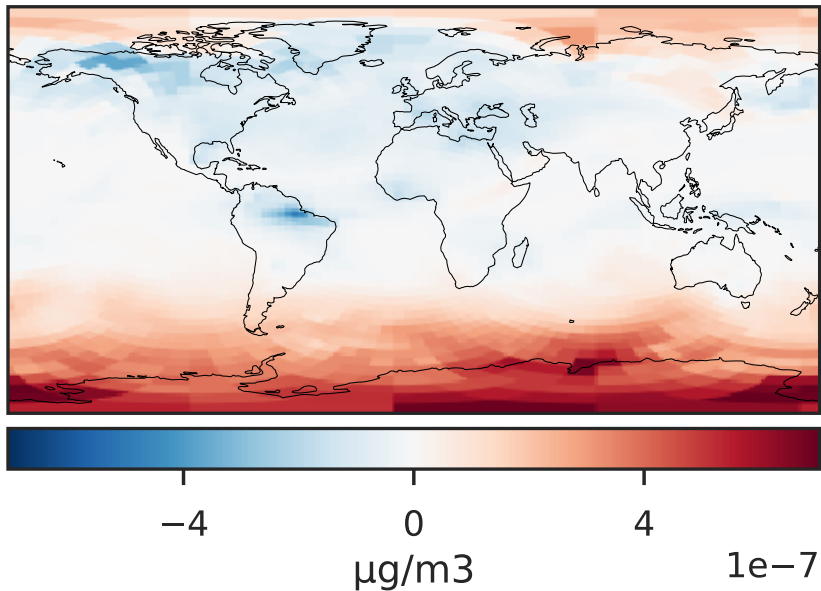
14.2.0-rc.2 (Ref)
c24



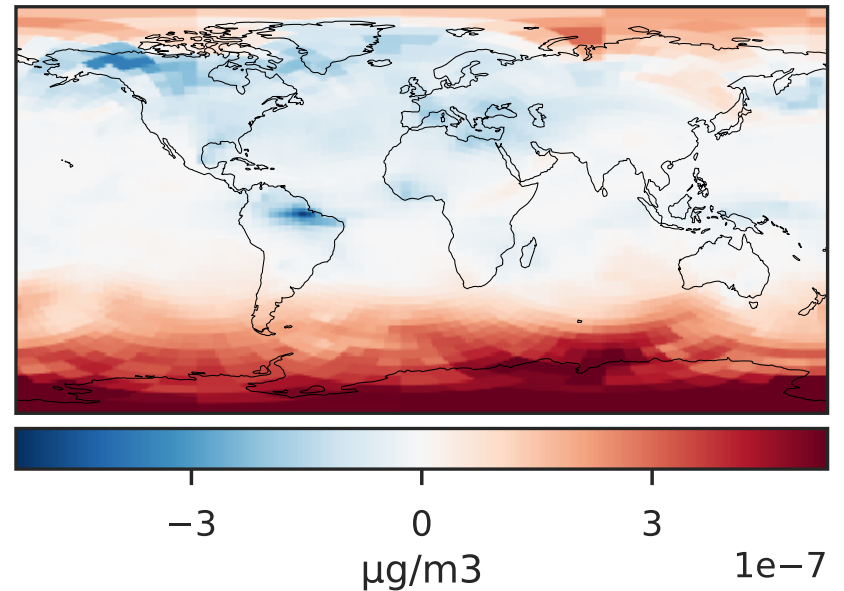
14.3.0-rc.0 (Dev)
c24



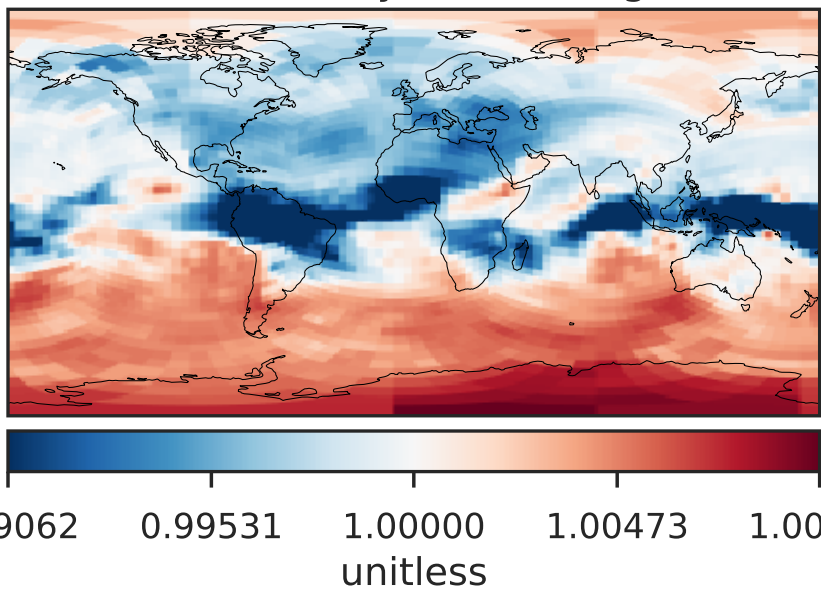
Difference (1x1.25)
Dev - Ref, Dynamic Range



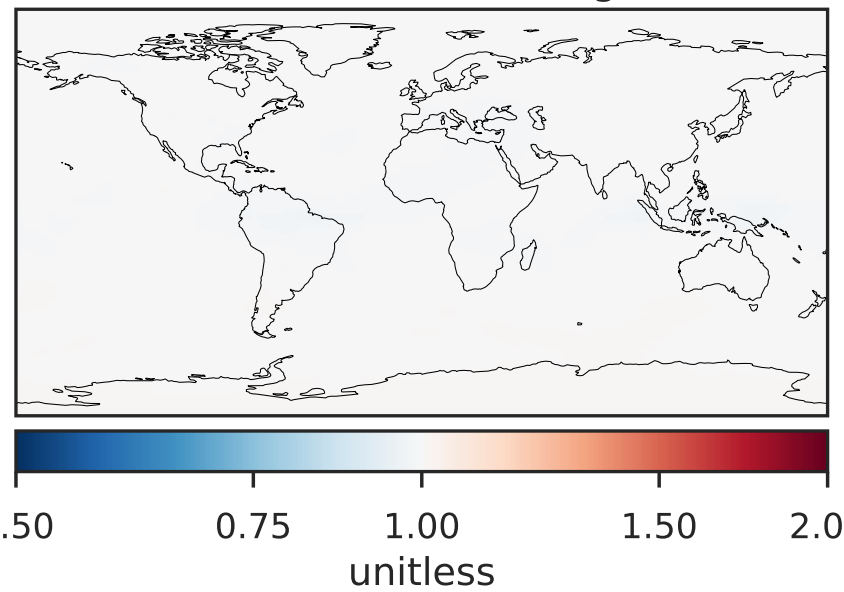
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

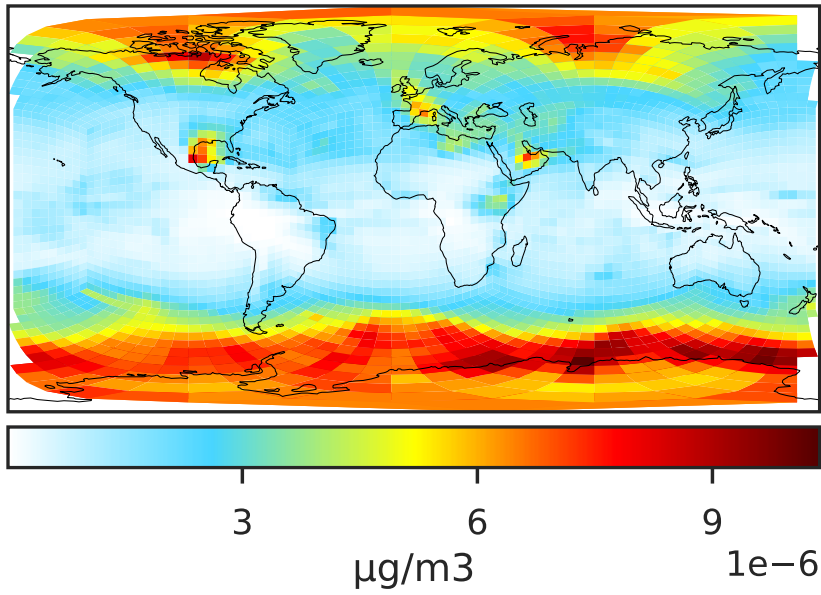


Ratio (1x1.25)
Dev/Ref, Fixed Range

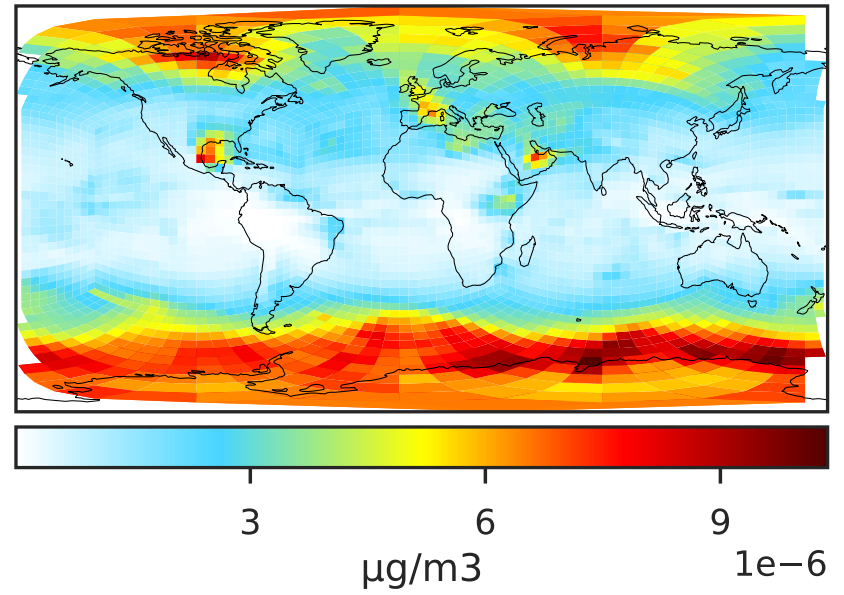


SpeciesConcVV_ISALC (Apr2019)

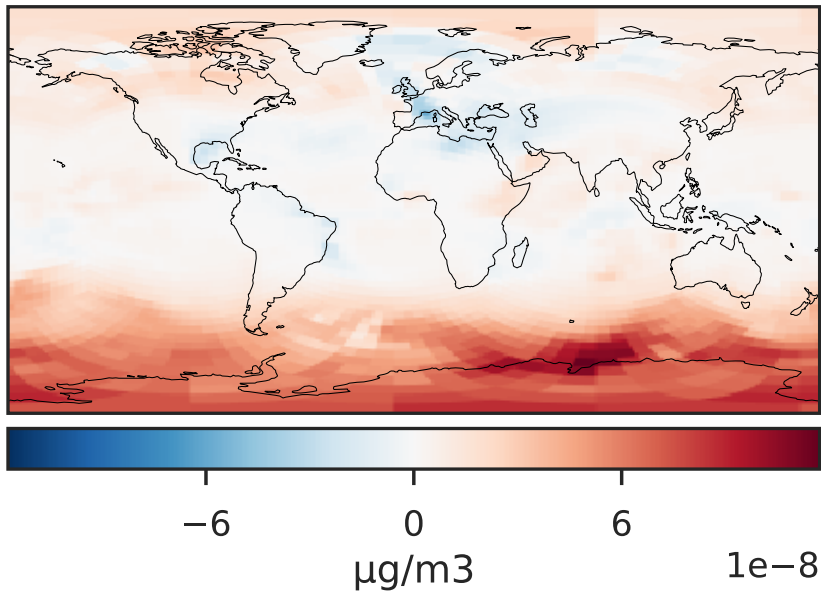
14.2.0-rc.2 (Ref)
c24



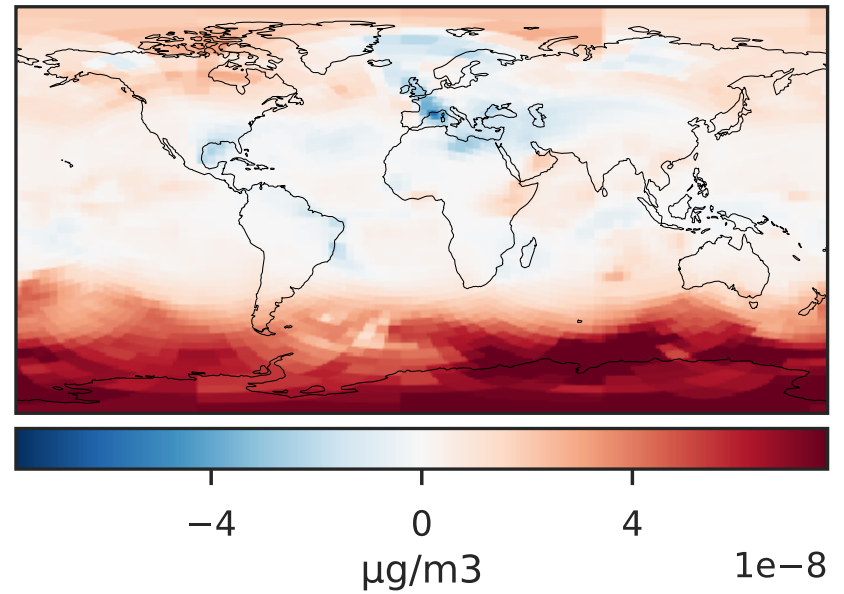
14.3.0-rc.0 (Dev)
c24



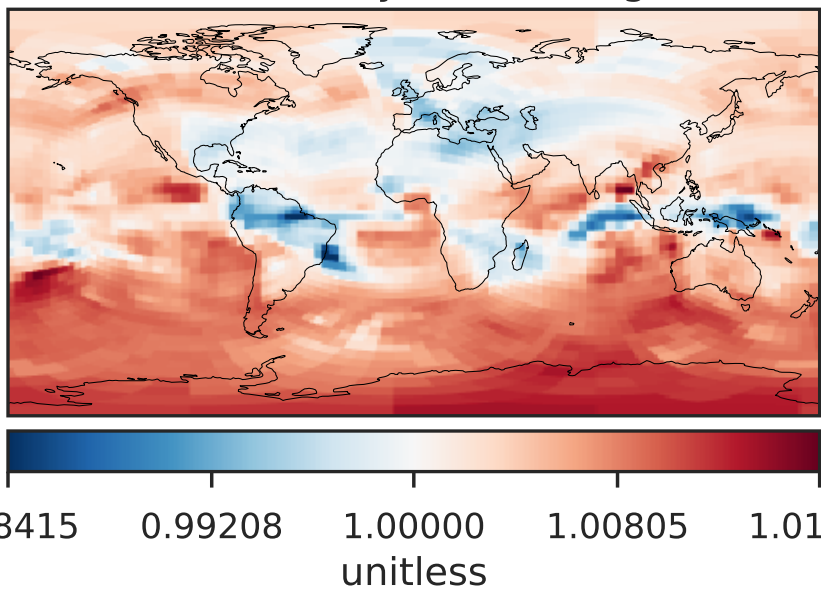
Difference (1x1.25)
Dev - Ref, Dynamic Range



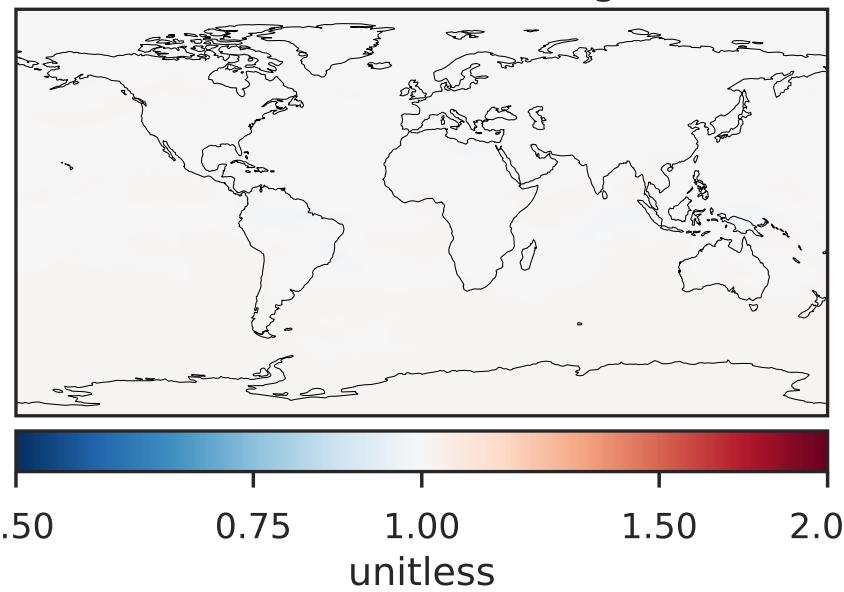
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

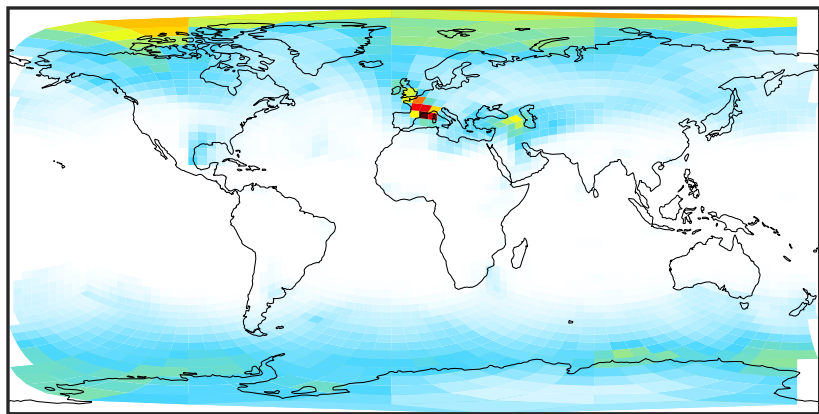


Ratio (1x1.25)
Dev/Ref, Fixed Range



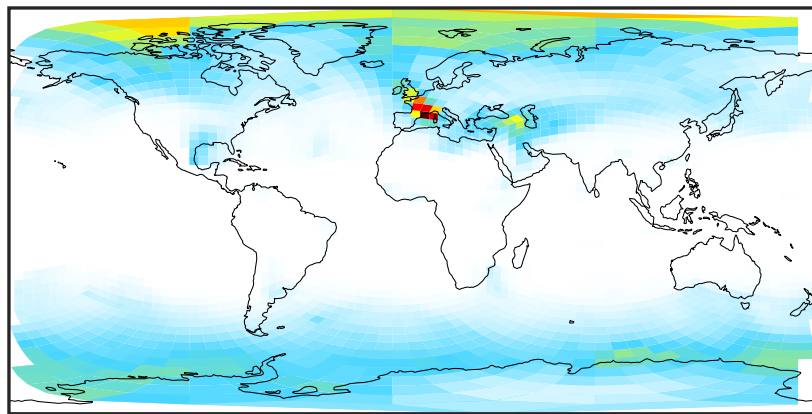
SpeciesConcVV_NITs (Apr2019)

14.2.0-rc.2 (Ref)
c24



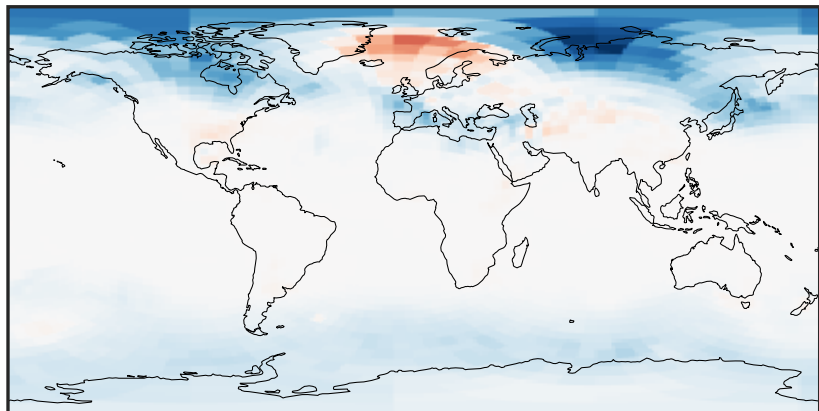
0.0004 0.0008 0.0012
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



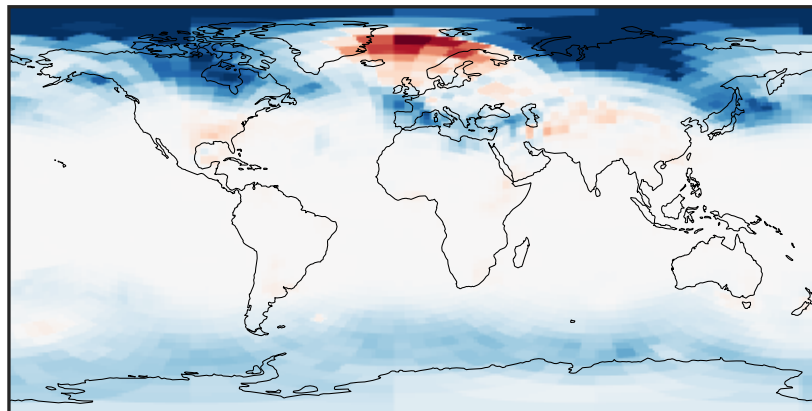
0.0004 0.0008 0.0012
 $\mu\text{g}/\text{m}^3$

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



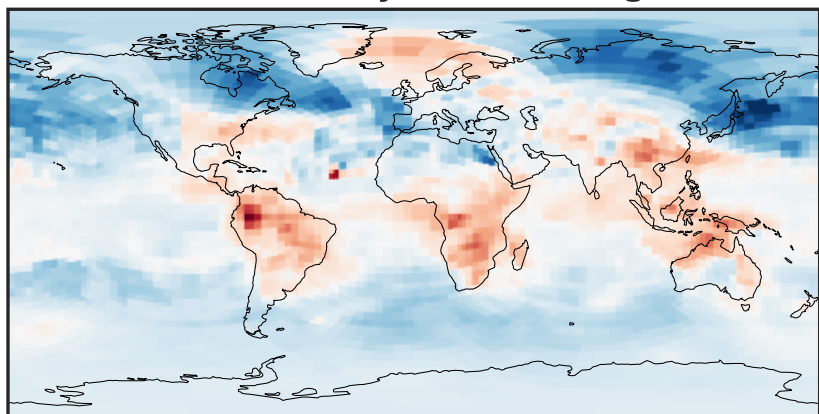
-1.5 0.0 1.5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



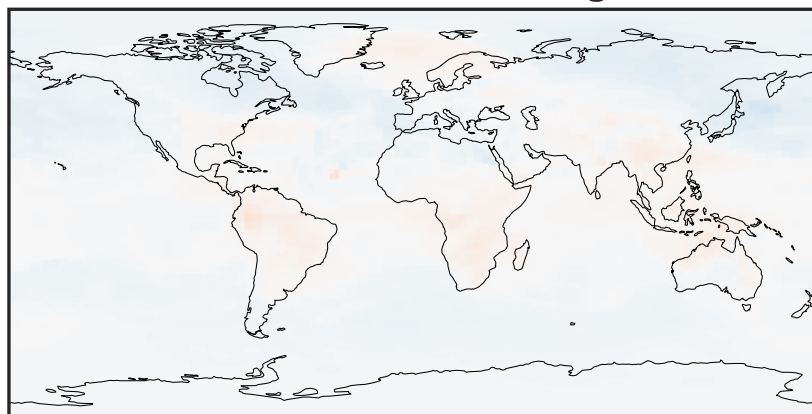
-8 0 8
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

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



0.9063 0.9531 1.0000 1.0517 1.1034
unitless

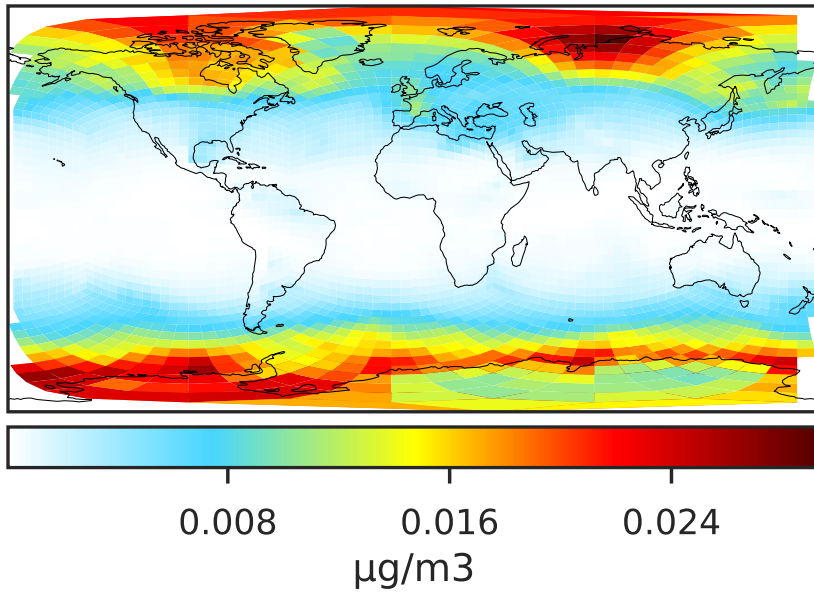
Ratio (1x1.25)
Dev/Ref, Fixed Range



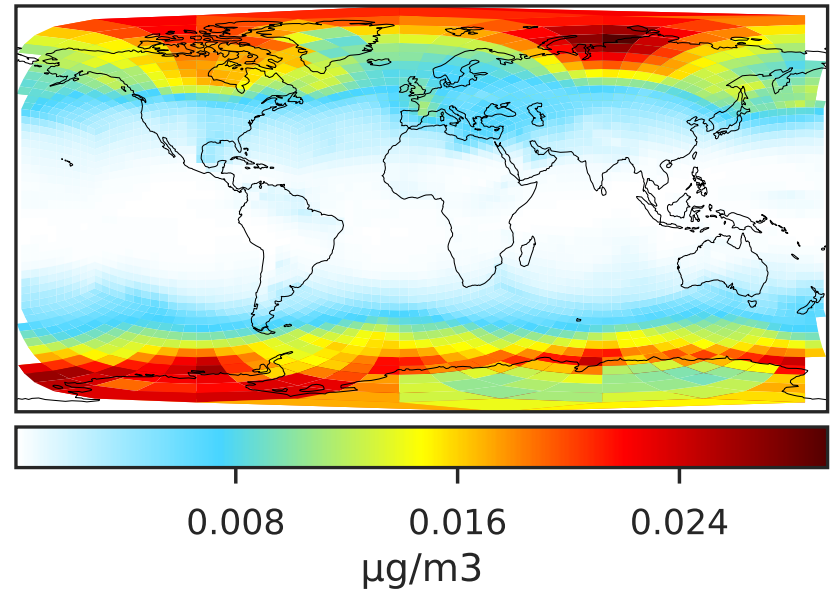
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SALA (Apr2019)

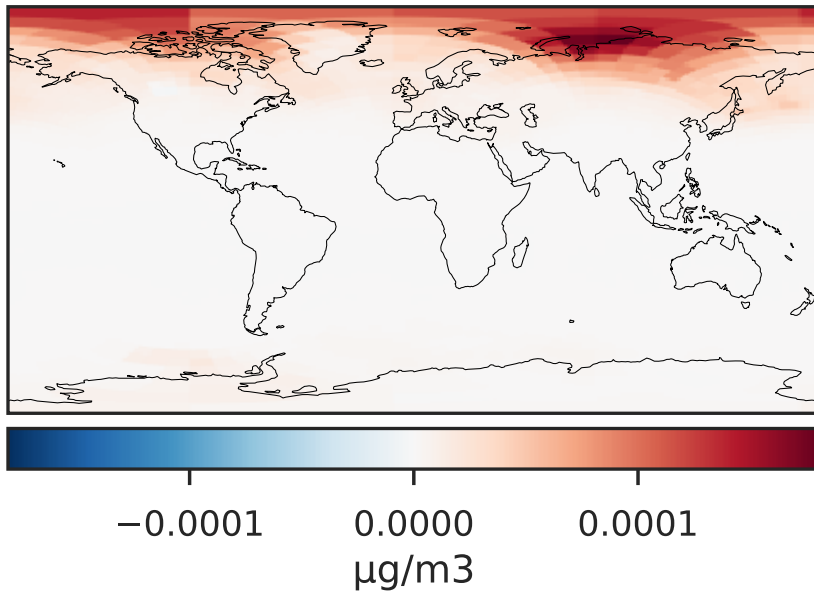
14.2.0-rc.2 (Ref)
c24



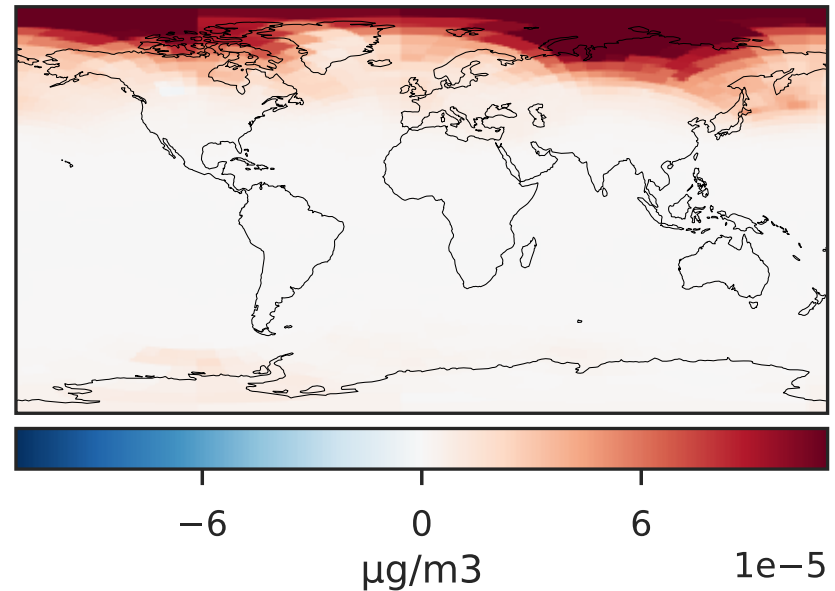
14.3.0-rc.0 (Dev)
c24



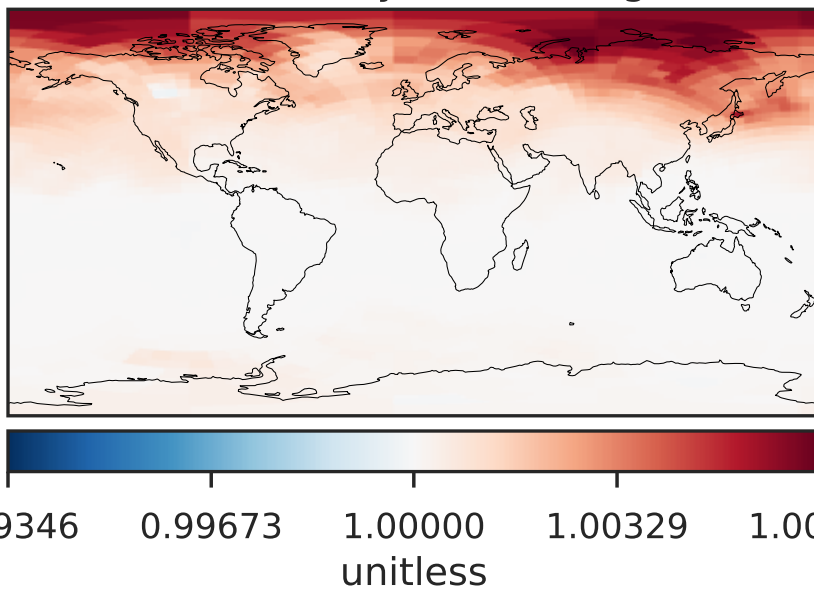
Difference (1x1.25)
Dev - Ref, Dynamic Range



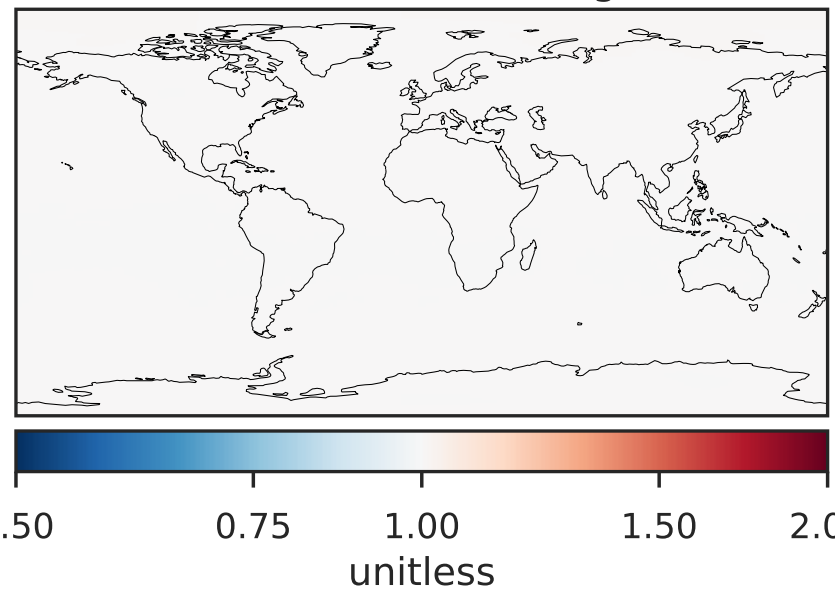
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

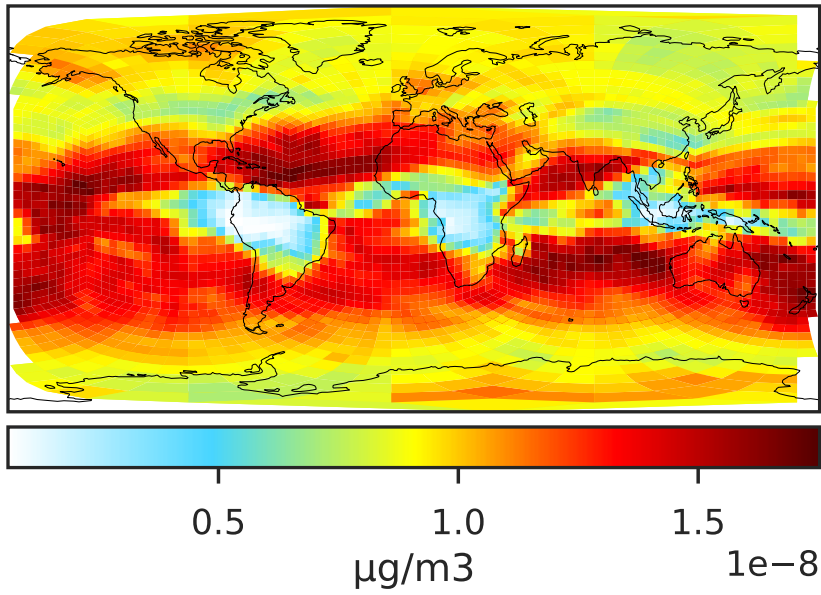


Ratio (1x1.25)
Dev/Ref, Fixed Range

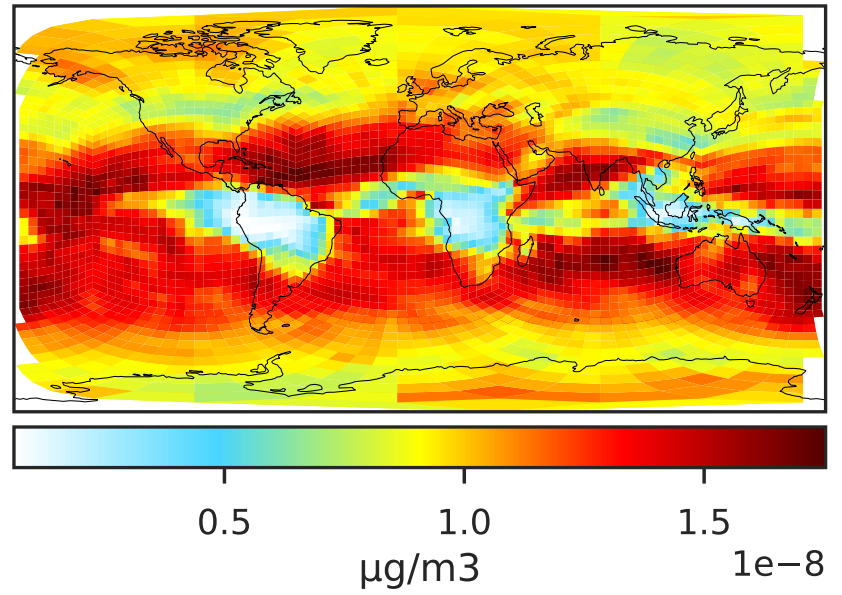


SpeciesConcVV_SALAAL (Apr2019)

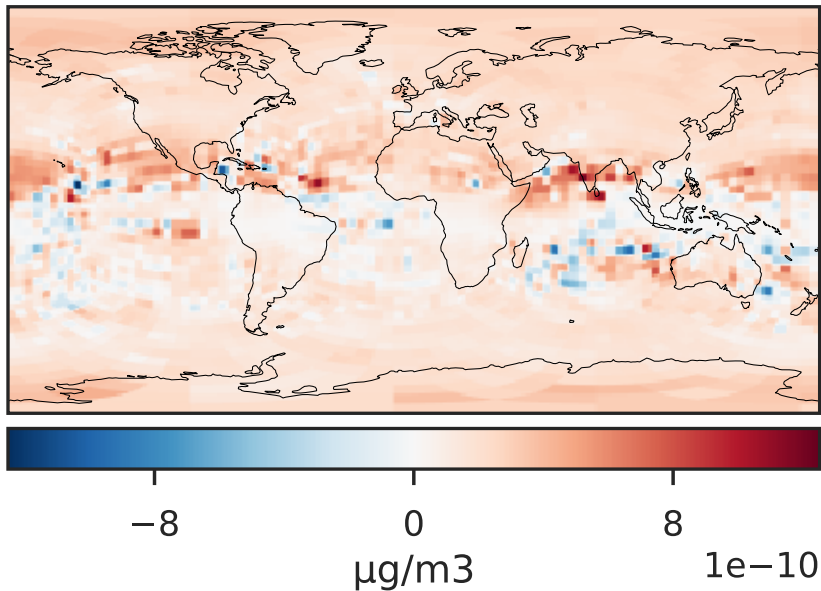
14.2.0-rc.2 (Ref)
c24



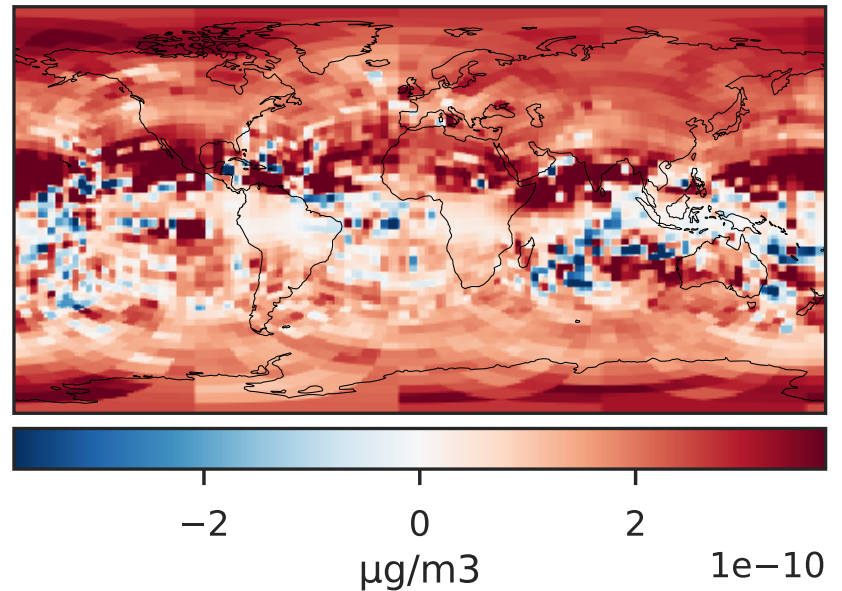
14.3.0-rc.0 (Dev)
c24



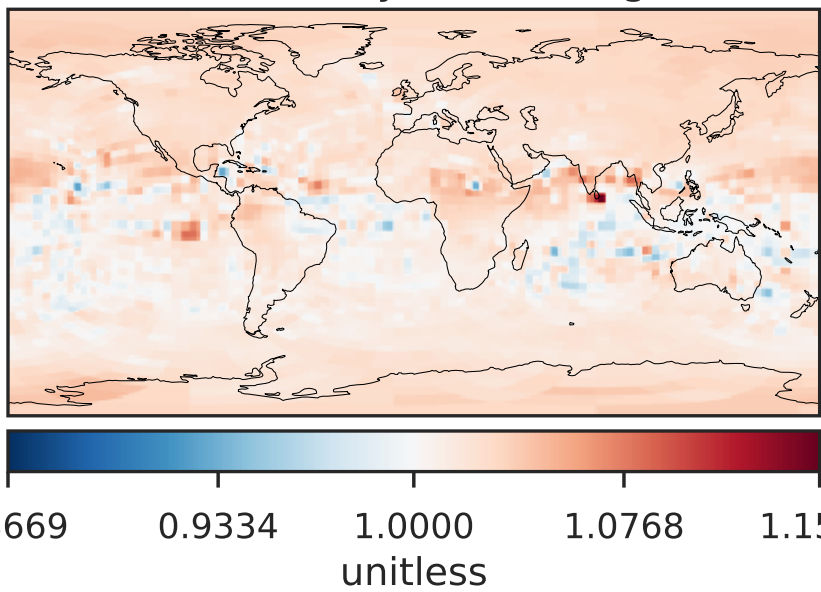
Difference (1x1.25)
Dev - Ref, Dynamic Range



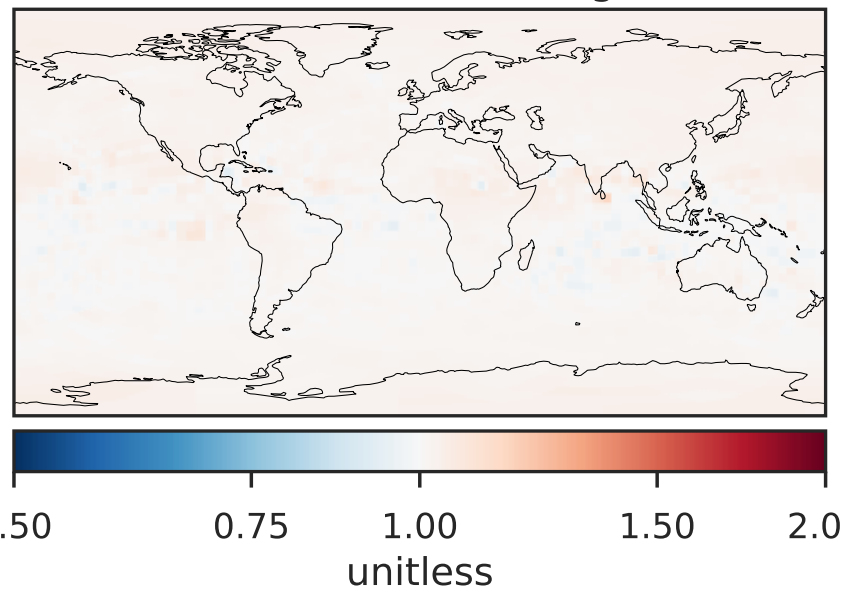
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

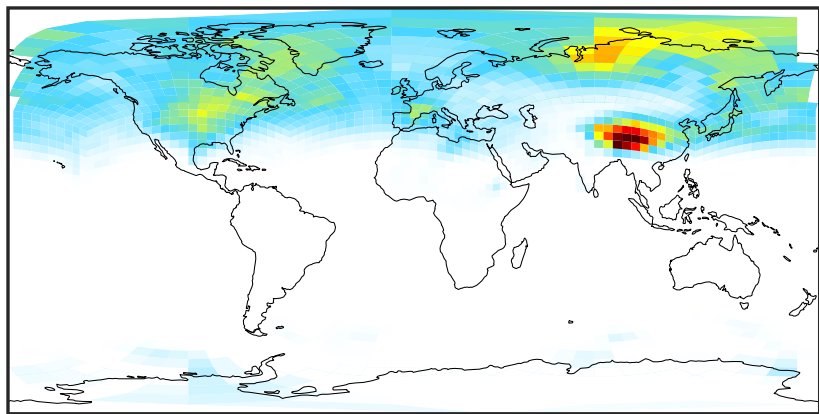


Ratio (1x1.25)
Dev/Ref, Fixed Range



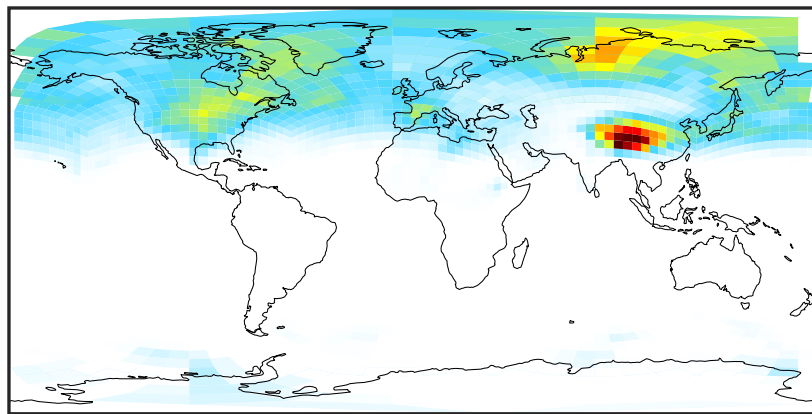
SpeciesConcVV_SALACL (Apr2019)

14.2.0-rc.2 (Ref)
c24



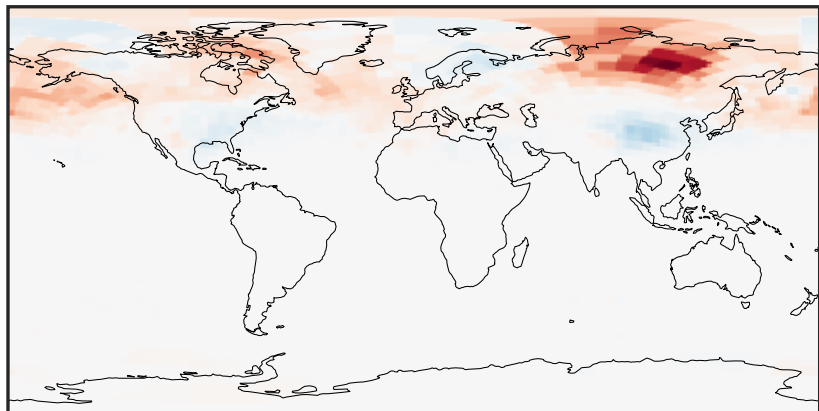
0.000 0.005 0.010 0.015
µg/m³

14.3.0-rc.0 (Dev)
c24



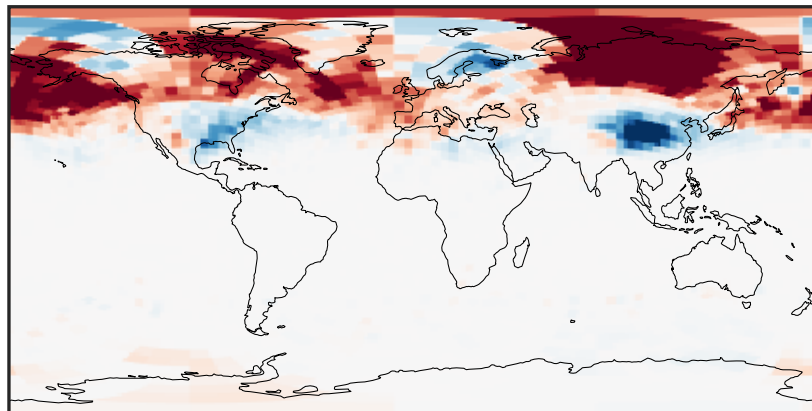
0.000 0.005 0.010 0.015
µg/m³

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



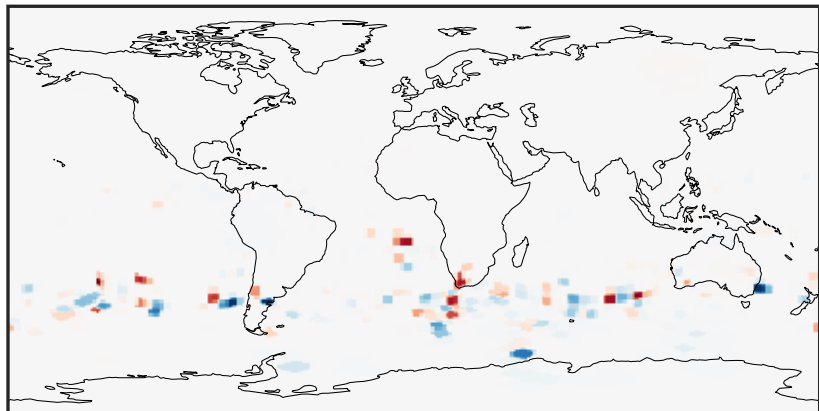
-0.0003 0.0000 0.0003
µg/m³

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



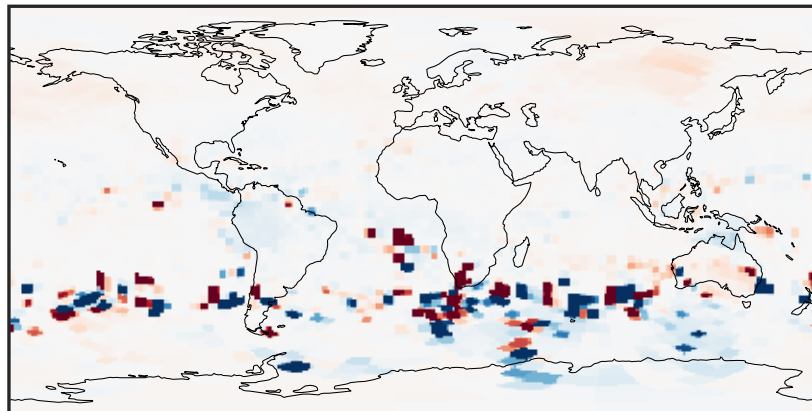
-6 0 6
µg/m³ 1e-5

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



1e-03 1e-02 1e-01 1 10 100 1000
unitless

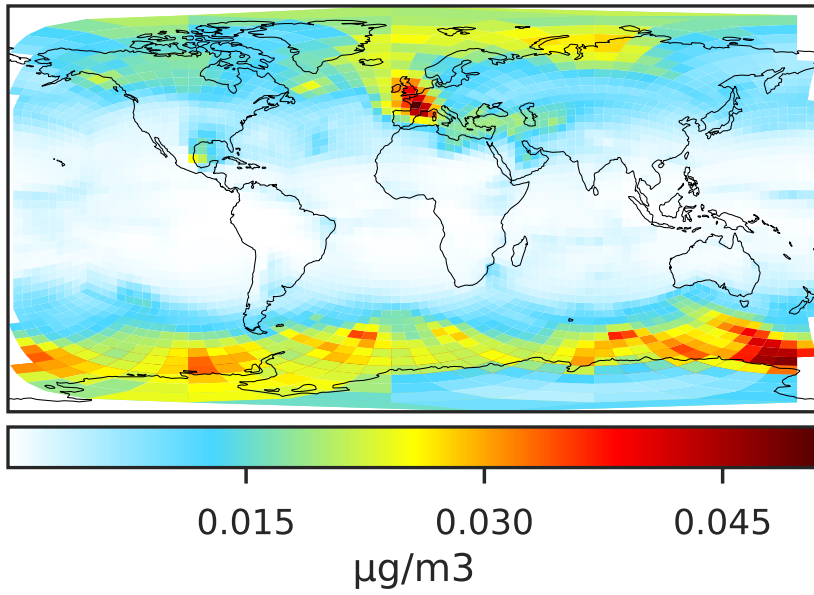
Ratio (1x1.25)
Dev/Ref, Fixed Range



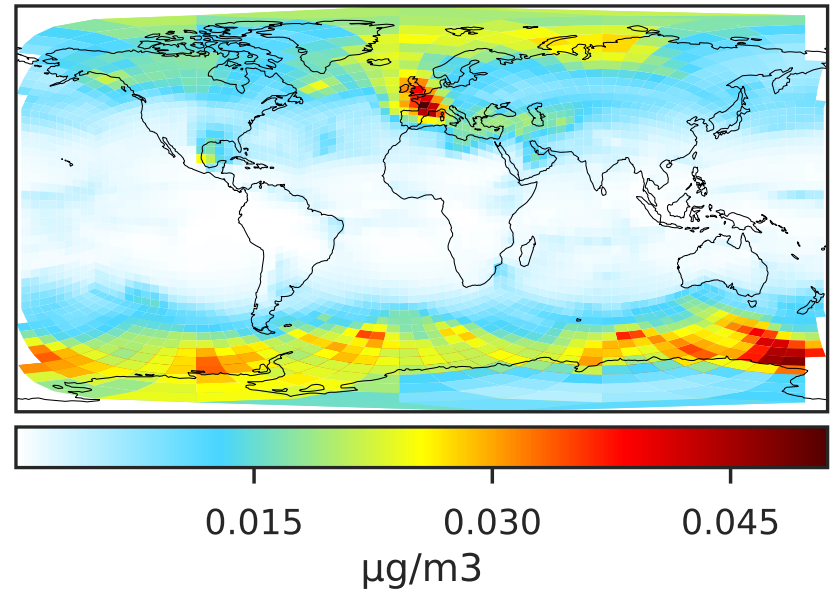
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SALC (Apr2019)

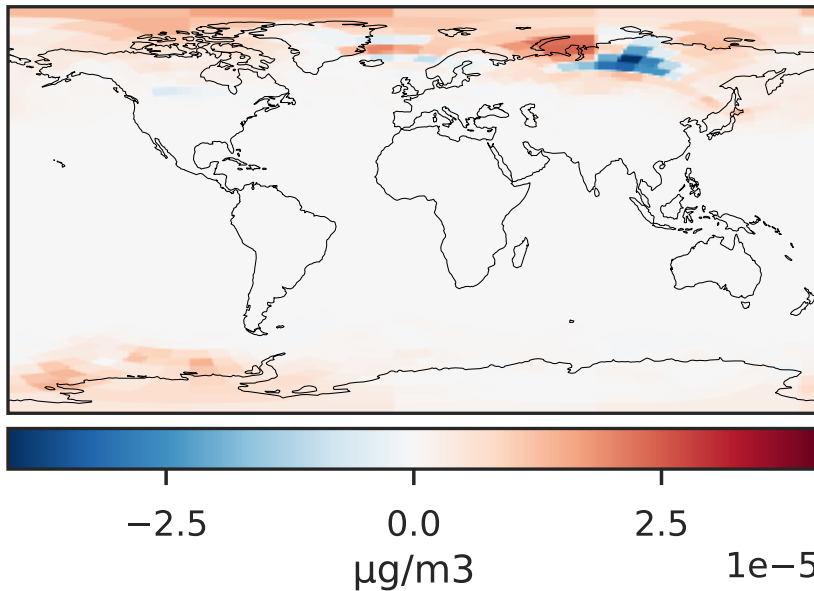
14.2.0-rc.2 (Ref)
c24



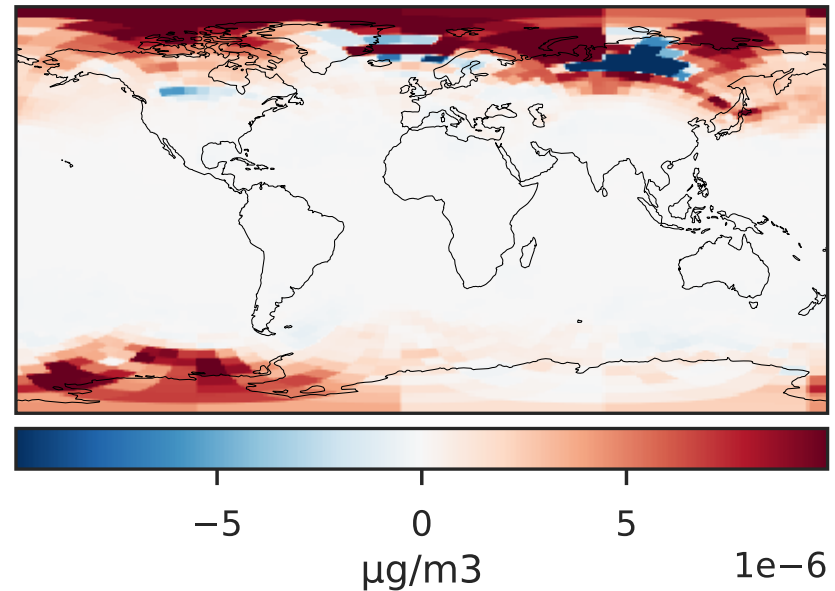
14.3.0-rc.0 (Dev)
c24



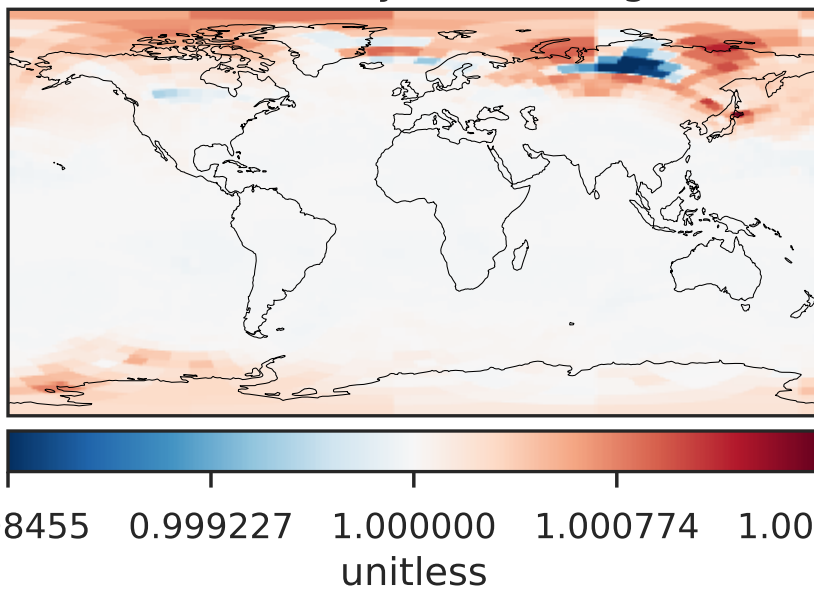
Difference (1x1.25)
Dev - Ref, Dynamic Range



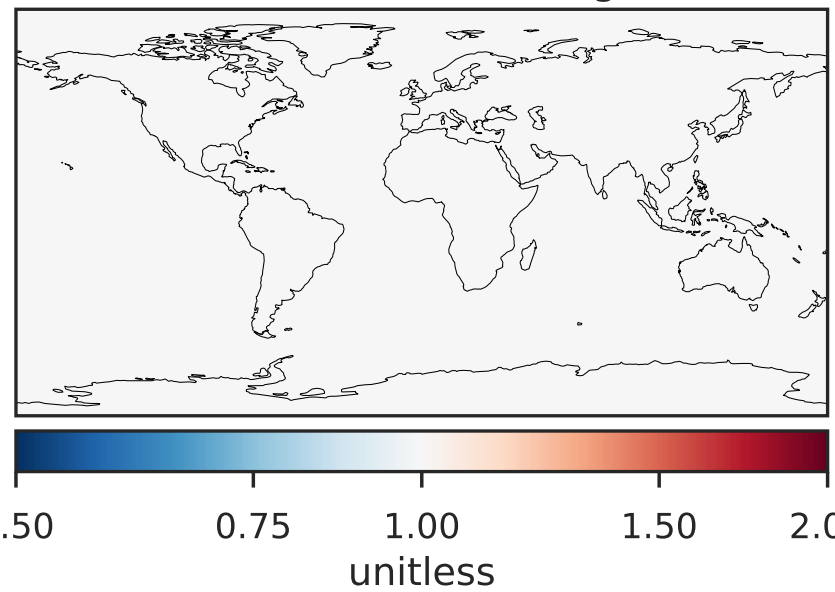
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

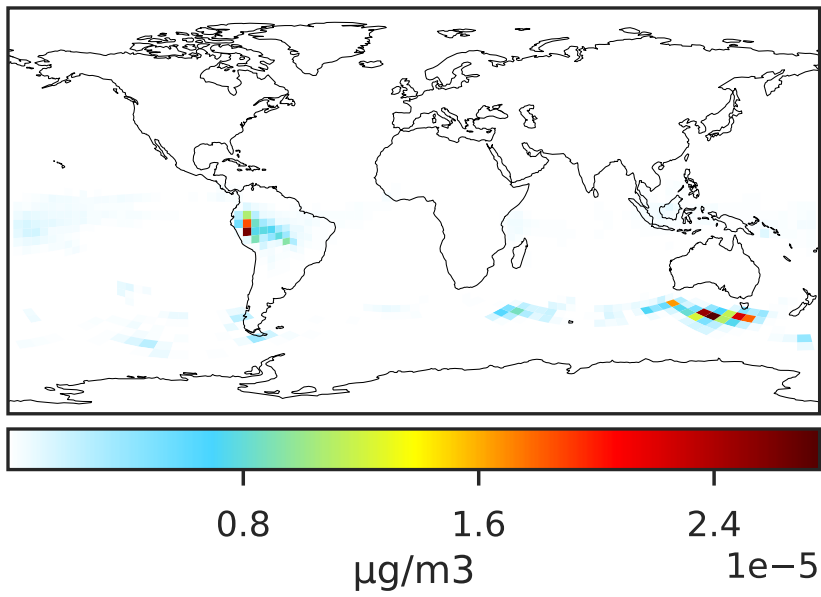


Ratio (1x1.25)
Dev/Ref, Fixed Range

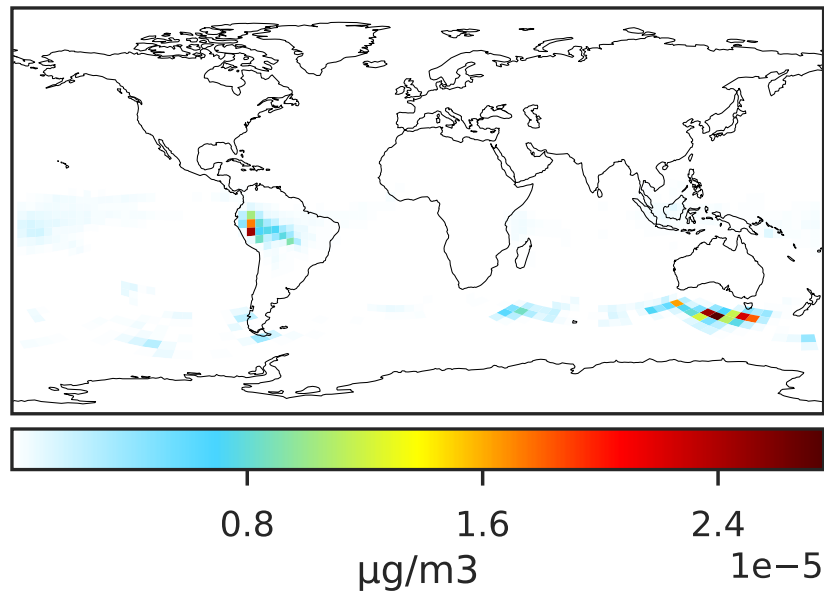


SpeciesConcVV_SALCAL (Apr2019)

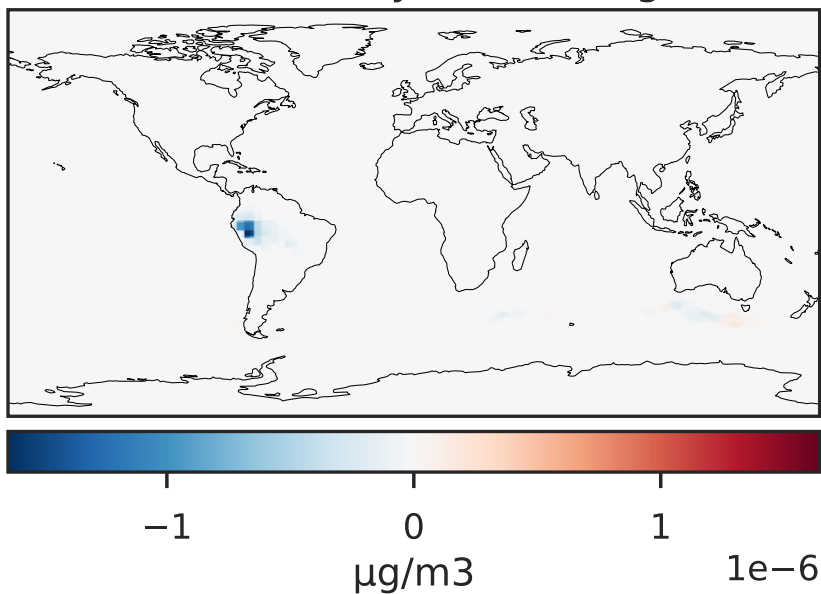
14.2.0-rc.2 (Ref)
c24



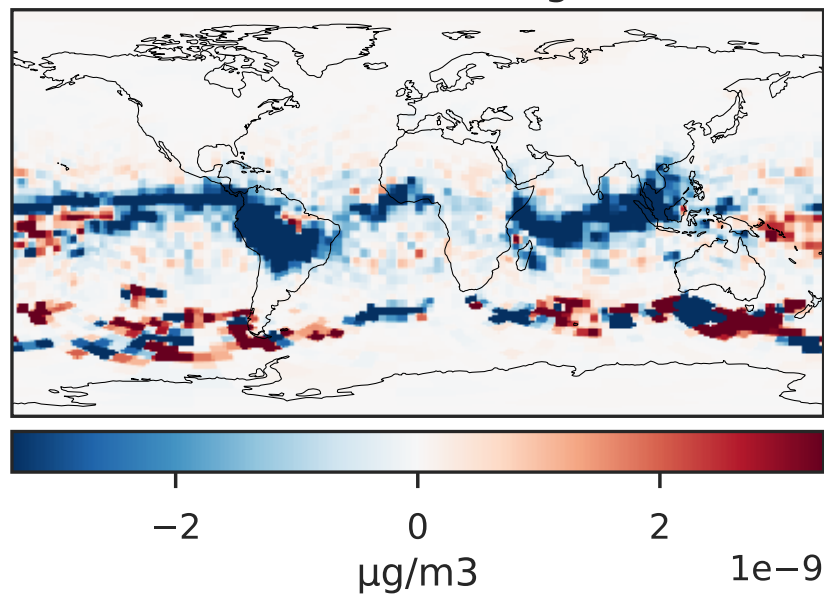
14.3.0-rc.0 (Dev)
c24



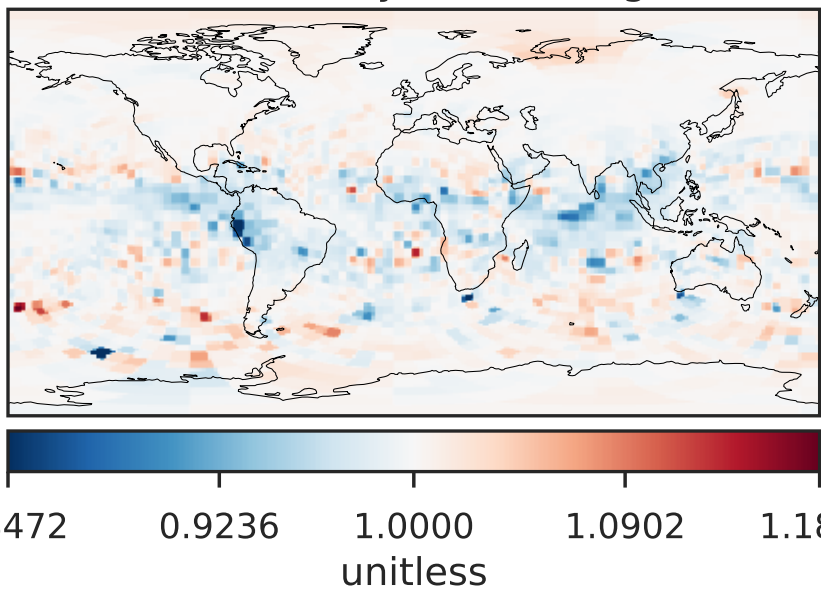
Difference (1x1.25)
Dev - Ref, Dynamic Range



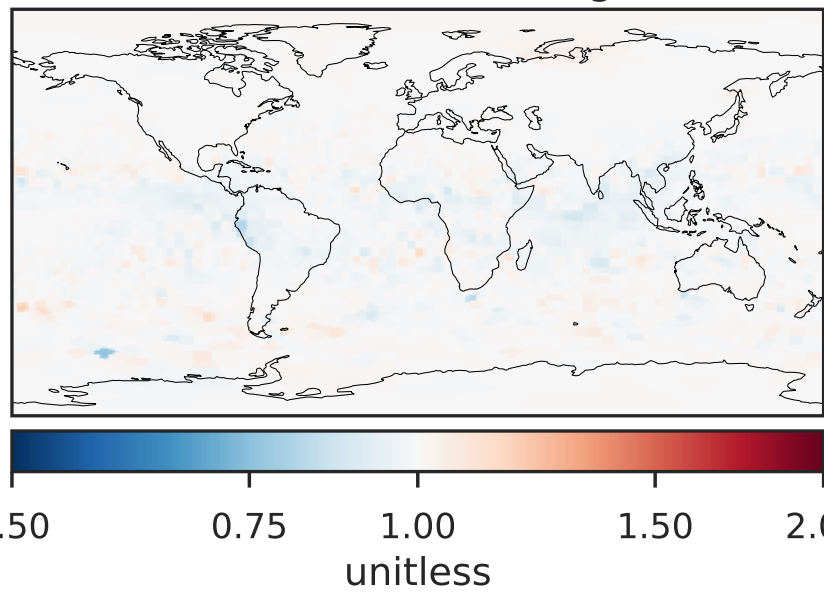
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

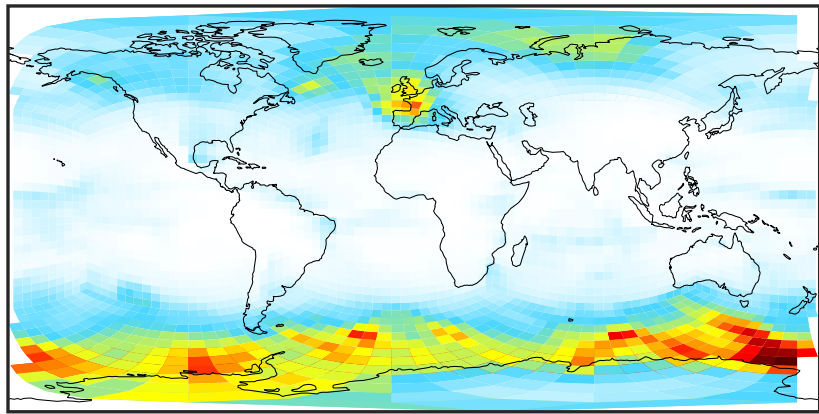


Ratio (1x1.25)
Dev/Ref, Fixed Range



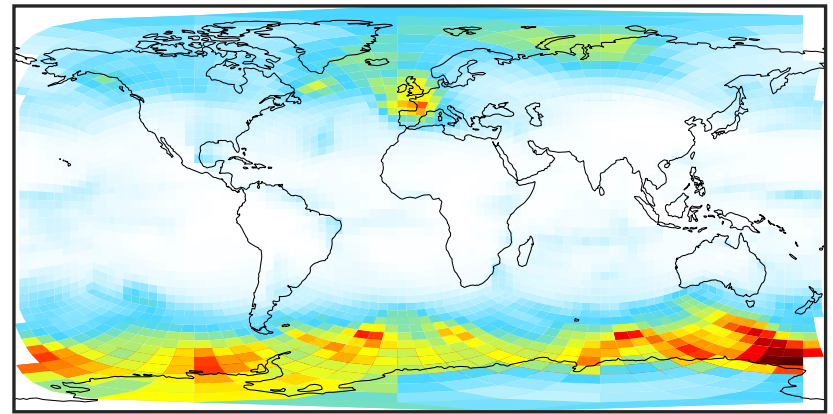
SpeciesConcVV_SALCCL (Apr2019)

14.2.0-rc.2 (Ref)
c24



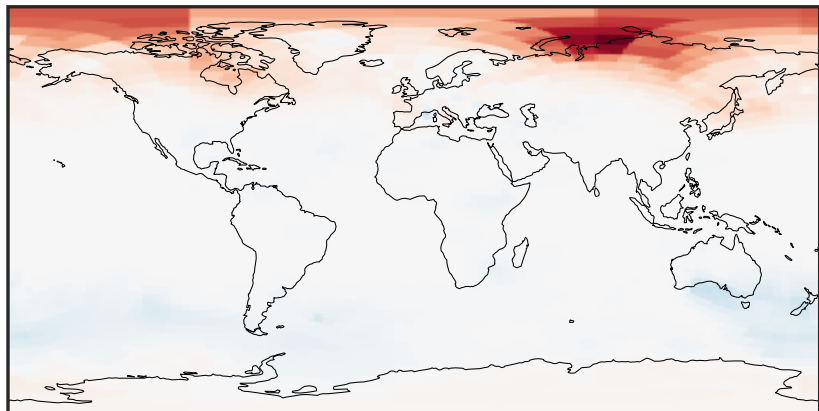
0.008 0.016 0.024
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



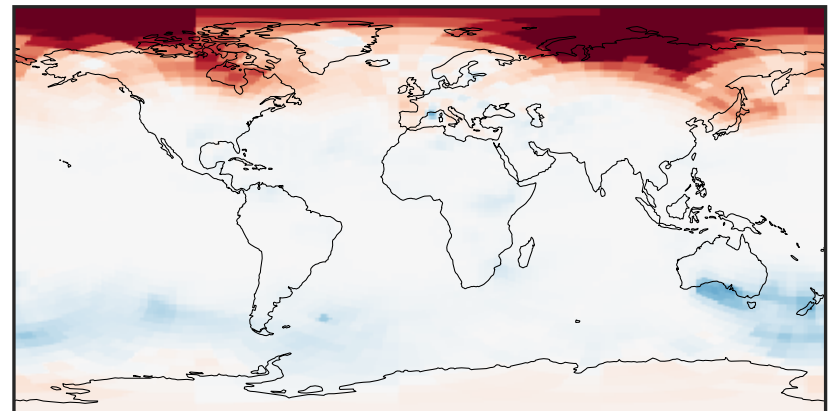
0.008 0.016 0.024
 $\mu\text{g}/\text{m}^3$

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



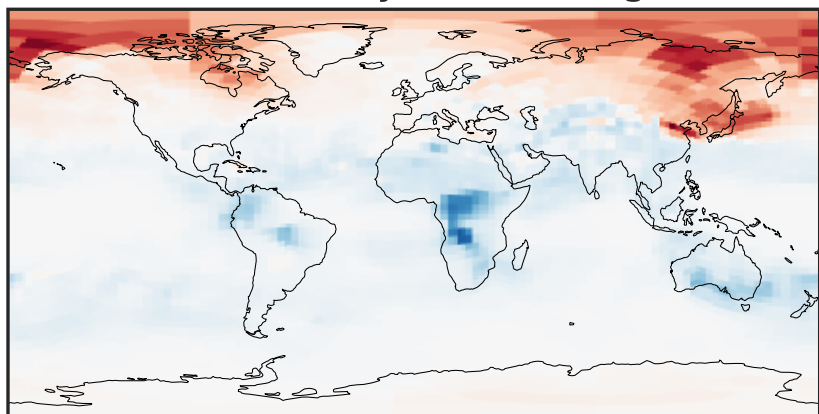
-8 0 8
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



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

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



0.97297 0.98649 1.00000 1.01389 1.02778
unitless

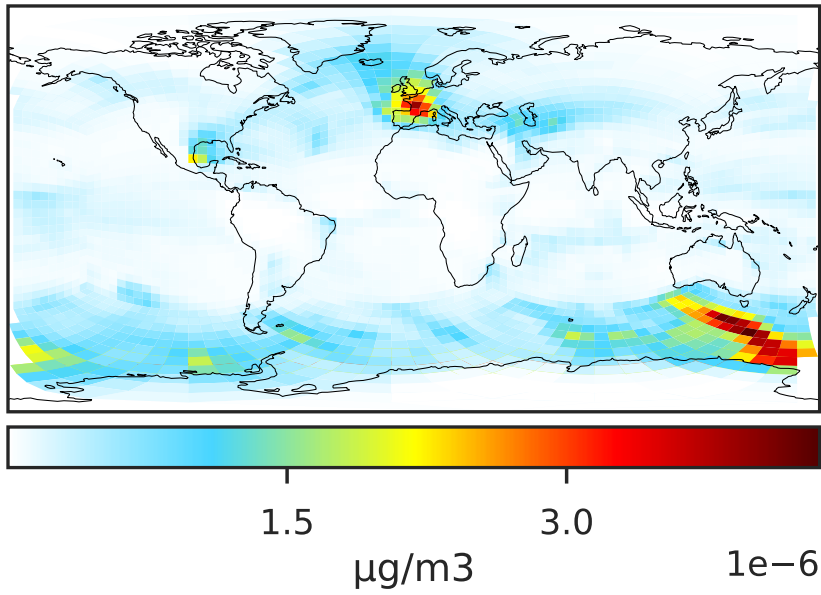
Ratio (1x1.25)
Dev/Ref, Fixed Range



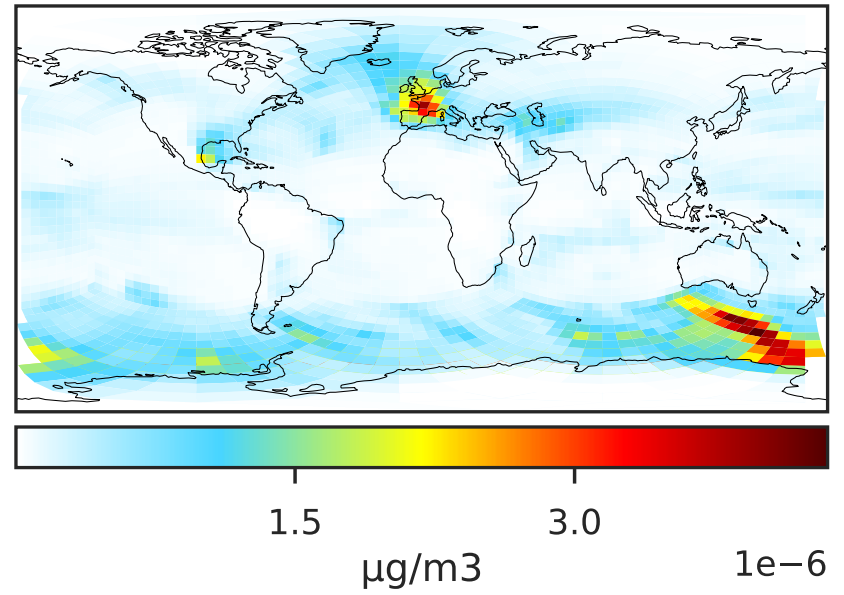
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SO4s (Apr2019)

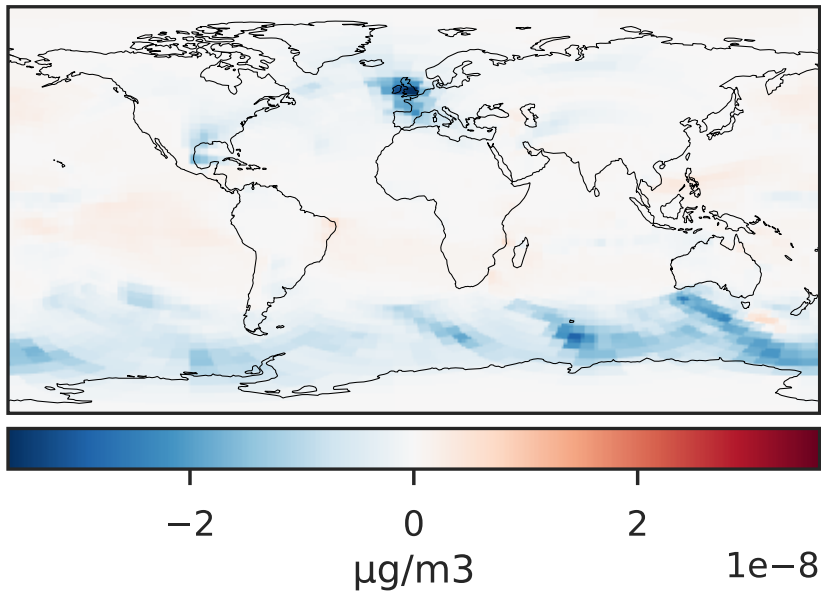
14.2.0-rc.2 (Ref)
c24



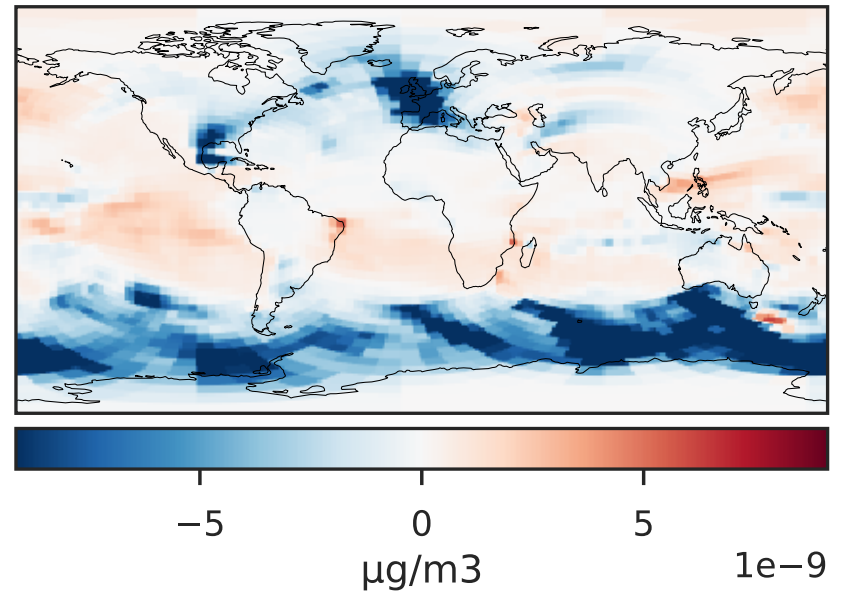
14.3.0-rc.0 (Dev)
c24



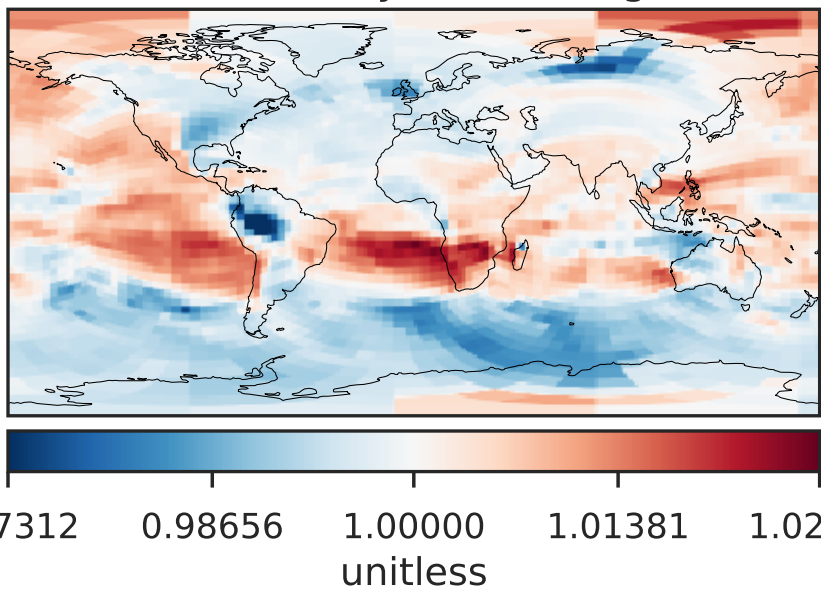
Difference (1x1.25)
Dev - Ref, Dynamic Range



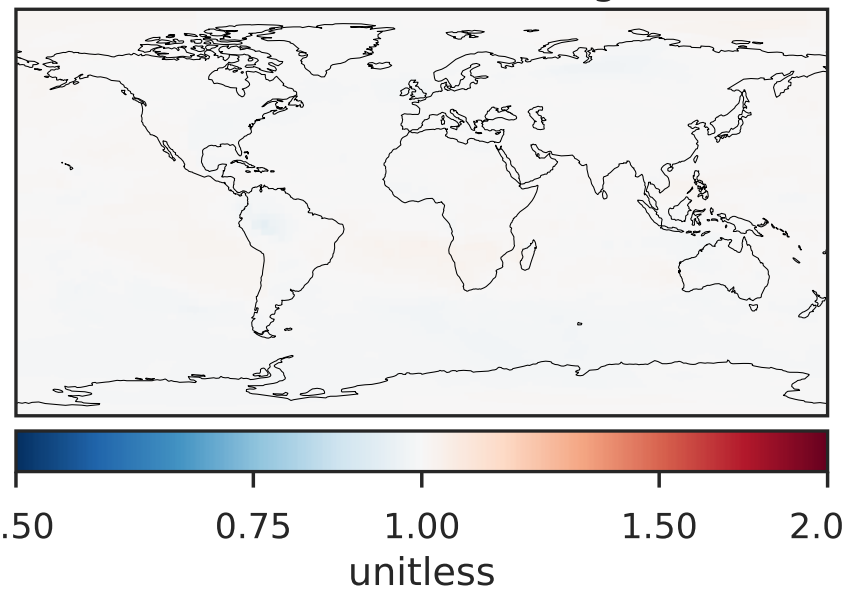
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

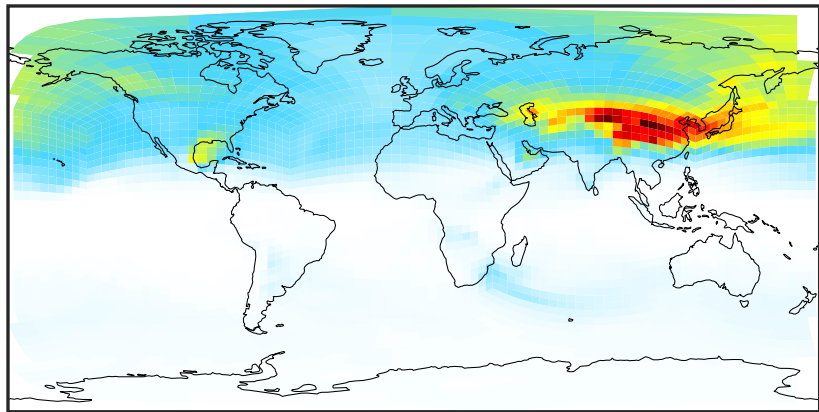


Ratio (1x1.25)
Dev/Ref, Fixed Range



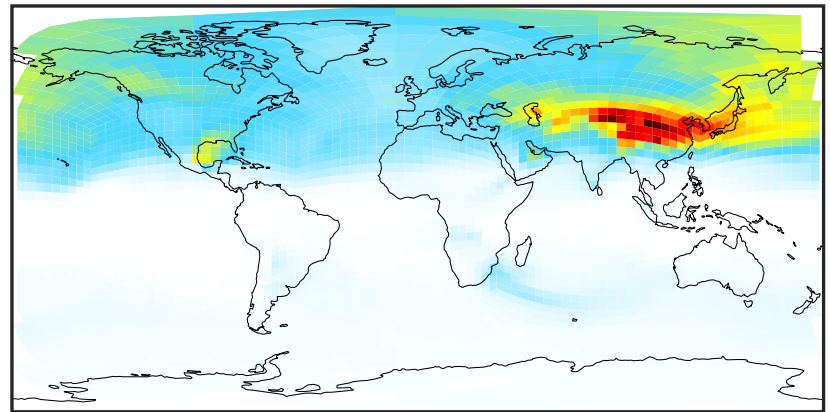
SpeciesConcVV_pFe (Apr2019)

14.2.0-rc.2 (Ref)
c24



0.00015 0.00030 0.00045
 $\mu\text{g}/\text{m}^3$

14.3.0-rc.0 (Dev)
c24



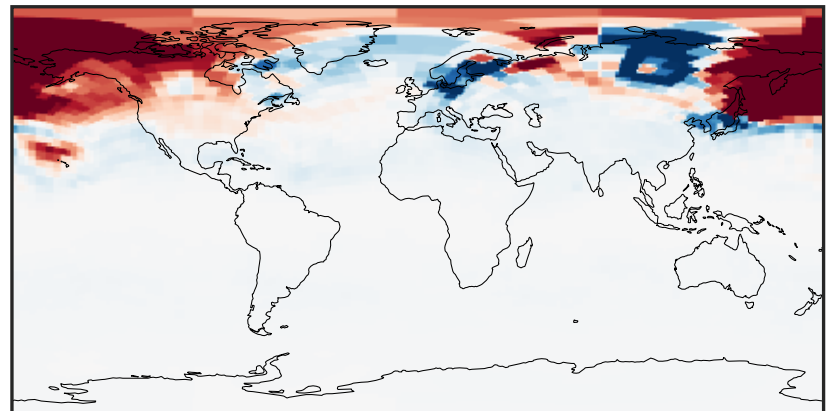
0.00015 0.00030 0.00045
 $\mu\text{g}/\text{m}^3$

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



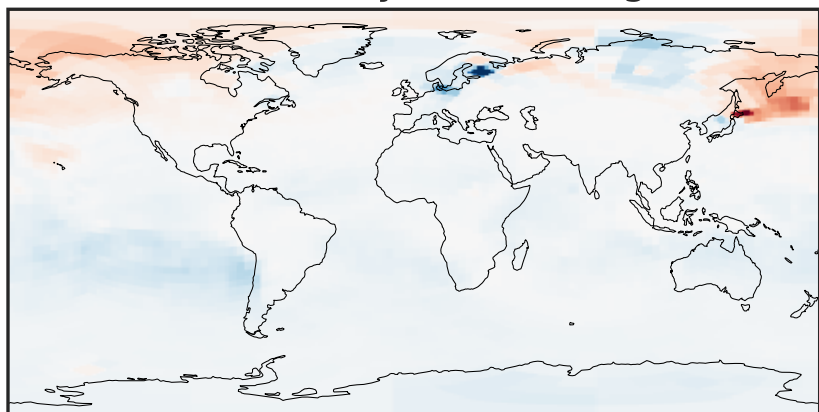
-2 0 2
 $\mu\text{g}/\text{m}^3$ $1\text{e}-7$

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



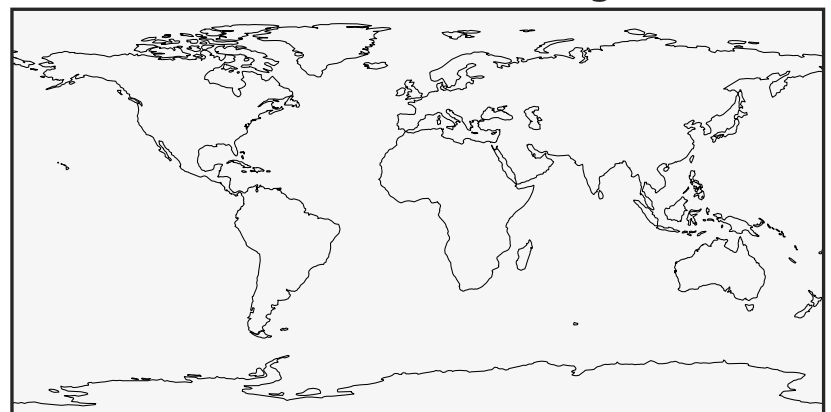
-1.5 0.0 1.5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-8$

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



0.998774 0.999387 1.000000 1.000614 1.001227
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless