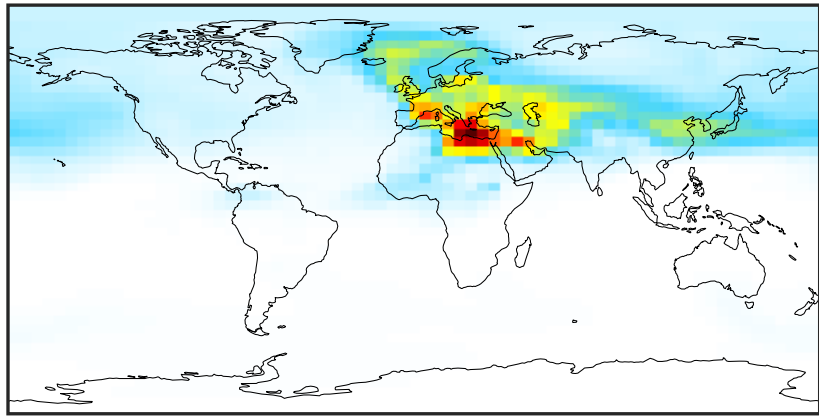


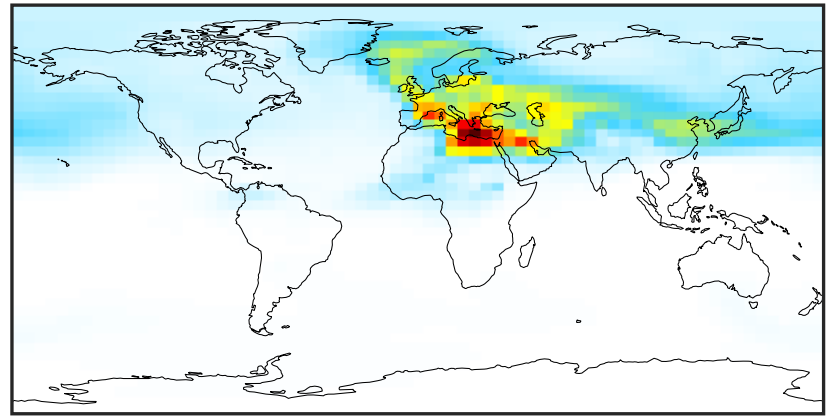
SpeciesConcVW_DST1 (Apr2019)

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



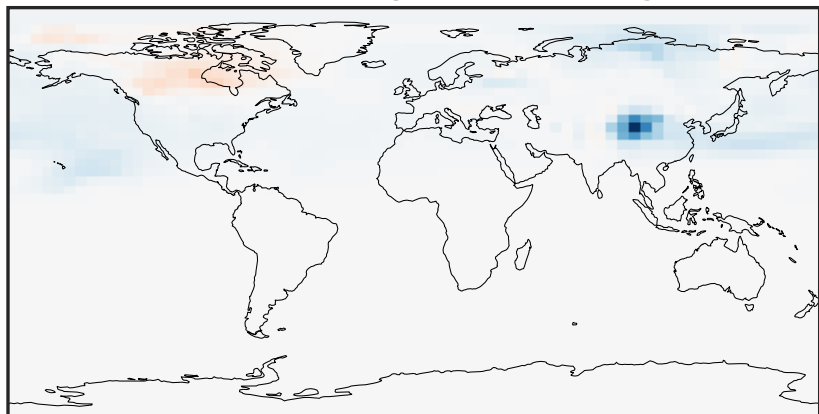
0.000 1.314 2.627 3.940 5.254
µg/m³

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



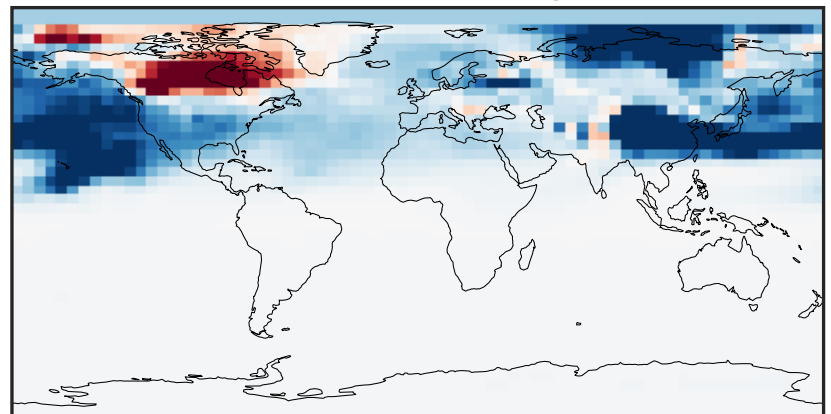
0.000 1.314 2.627 3.940 5.254
µg/m³

Difference
Dev - Ref, Dynamic Range



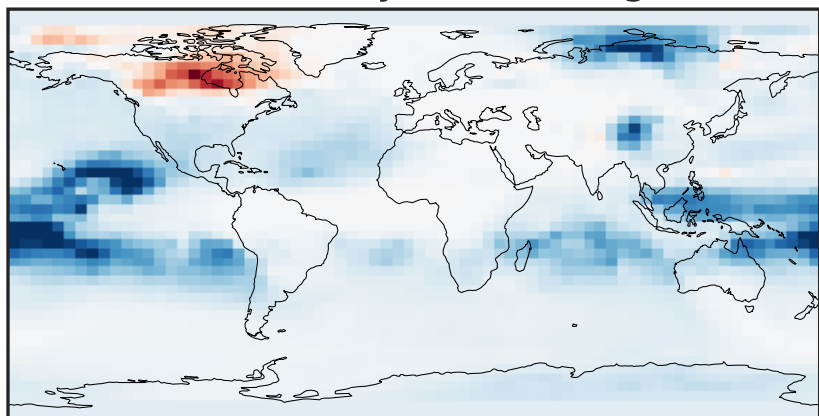
-0.0003 0.0000 0.0003
µg/m³

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



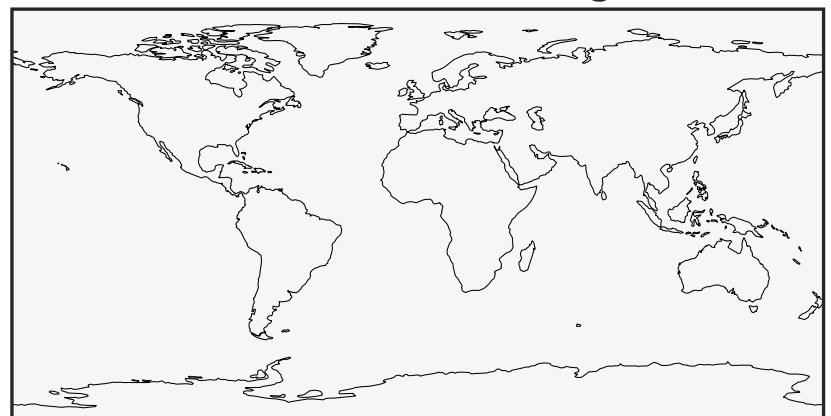
-3 0 3
µg/m³ 1e-5

Ratio
Dev/Ref, Dynamic Range



0.999558 1.000000 1.000444
unitless

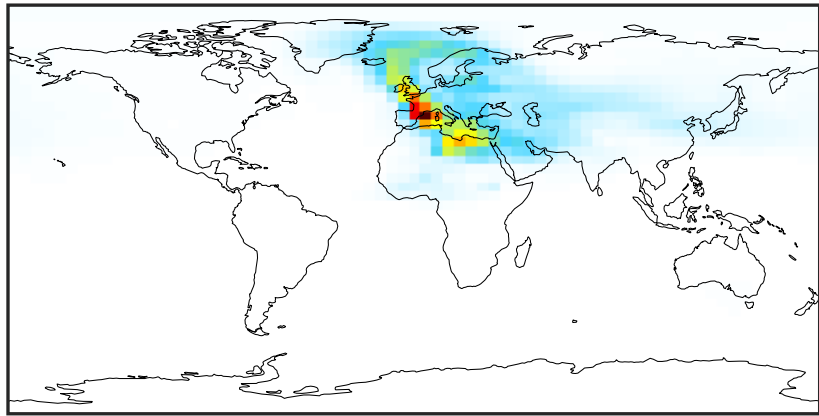
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

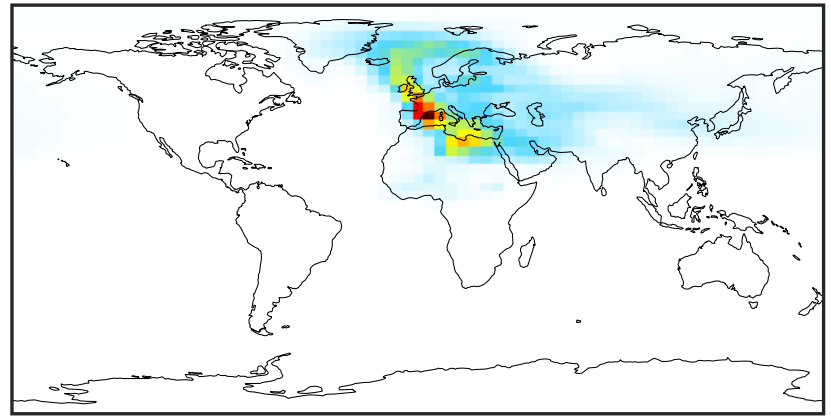
SpeciesConcVV_DST2 (Apr2019)

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



0.00 1.34 2.68 4.02 5.36
µg/m³

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



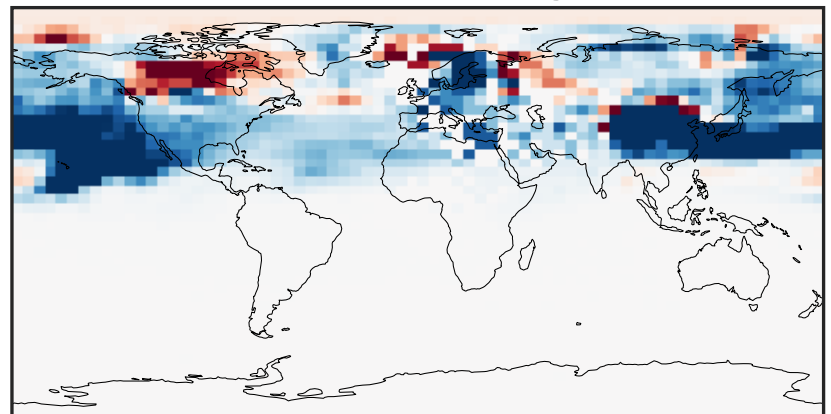
0.00 1.34 2.68 4.02 5.36
µg/m³

Difference
Dev - Ref, Dynamic Range



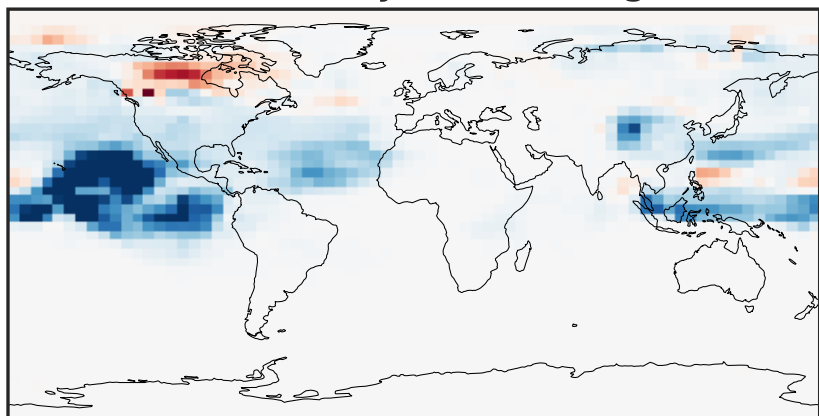
-3 0 3
µg/m³ 1e-6

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



-1.5 0.0 1.5
µg/m³ 1e-7

Ratio
Dev/Ref, Dynamic Range



0.99997306 1.0000000 1.00002694
unitless

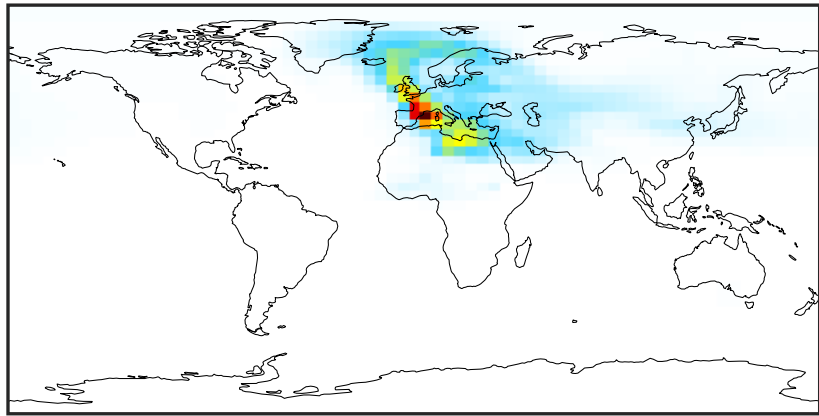
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

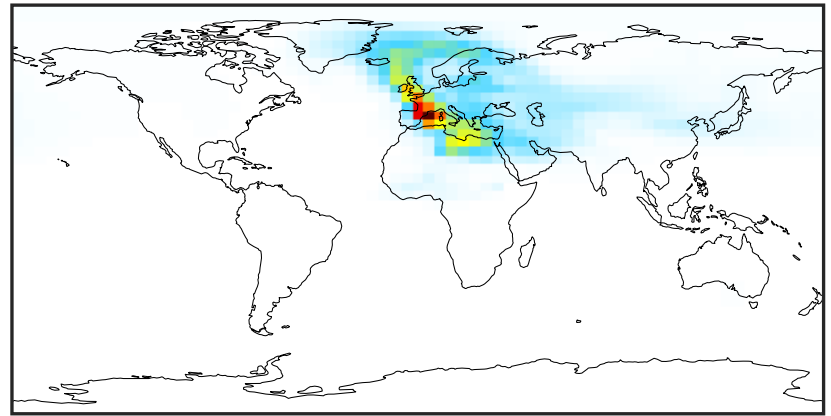
SpeciesConcVW_DST3 (Apr2019)

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



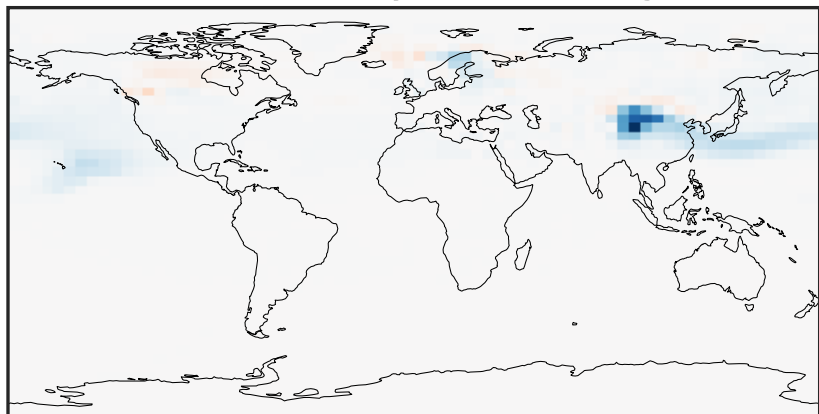
0.000 1.993 3.986 5.979 7.972
 $\mu\text{g}/\text{m}^3$

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



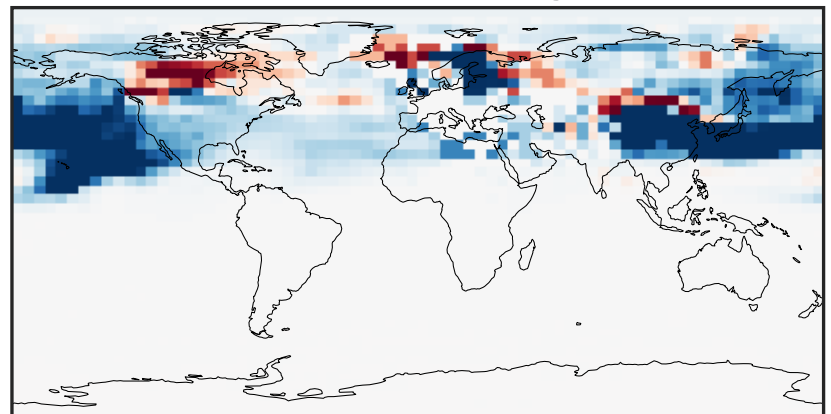
0.000 1.993 3.986 5.979 7.972
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



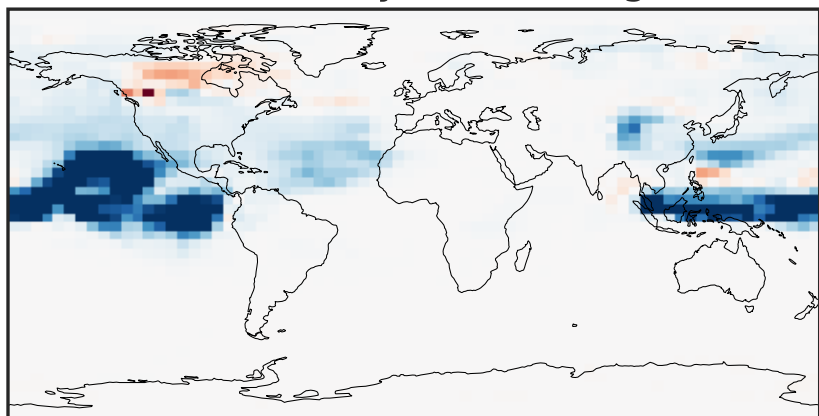
-4 0 4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

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



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

Ratio
Dev/Ref, Dynamic Range



0.99996531 1.0000000 1.00003469
unitless

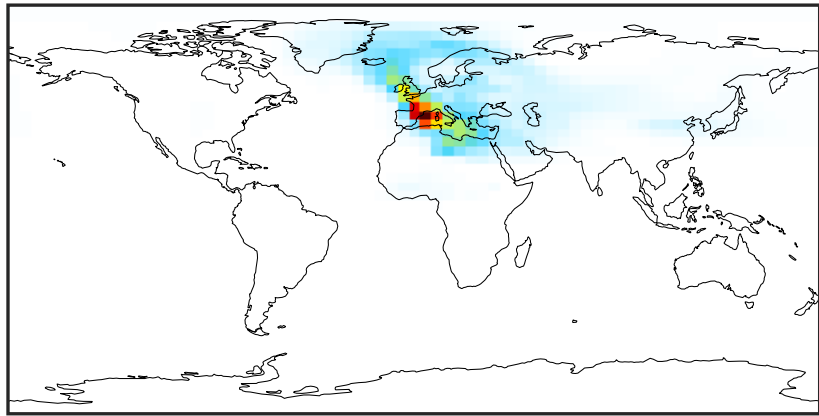
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

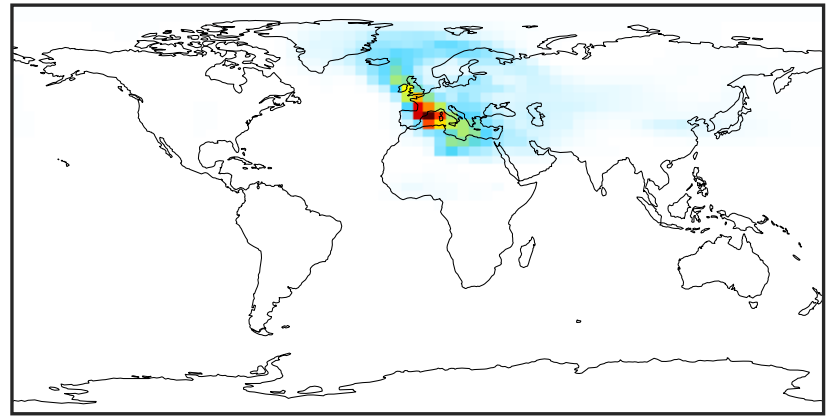
SpeciesConcVV_DST4 (Apr2019)

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



0.00 1.08 2.16 3.24 4.32
 $\mu\text{g}/\text{m}^3$

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



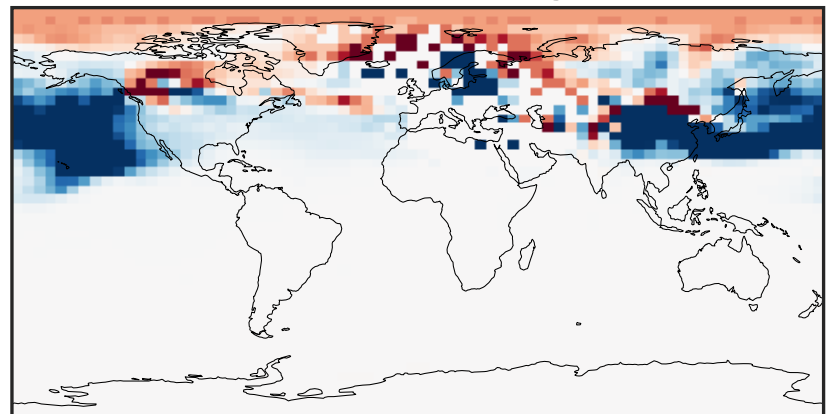
0.00 1.08 2.16 3.24 4.32
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



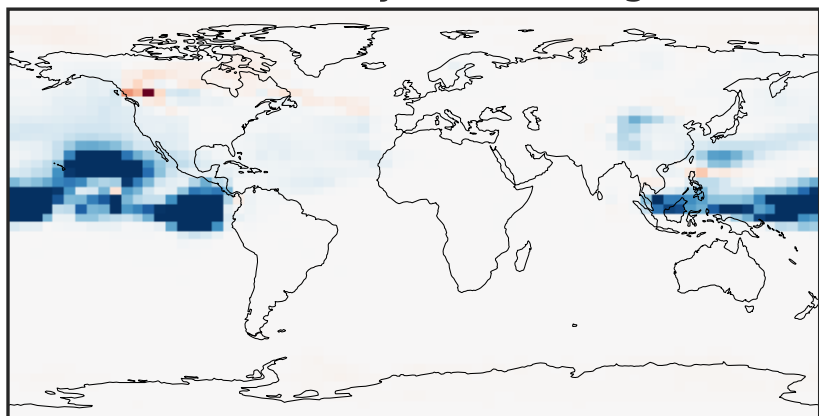
-1 0 1
 $\mu\text{g}/\text{m}^3$ $1\text{e}-6$

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



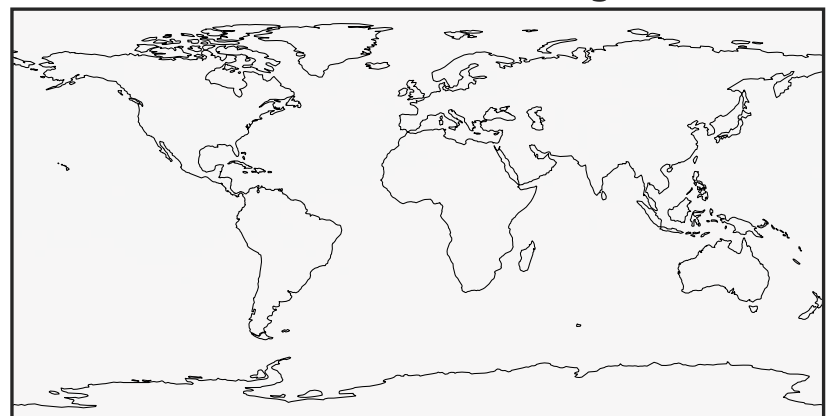
-3 0 3
 $\mu\text{g}/\text{m}^3$ $1\text{e}-8$

Ratio
Dev/Ref, Dynamic Range



0.9999466 1.0000000 1.0000534
unitless

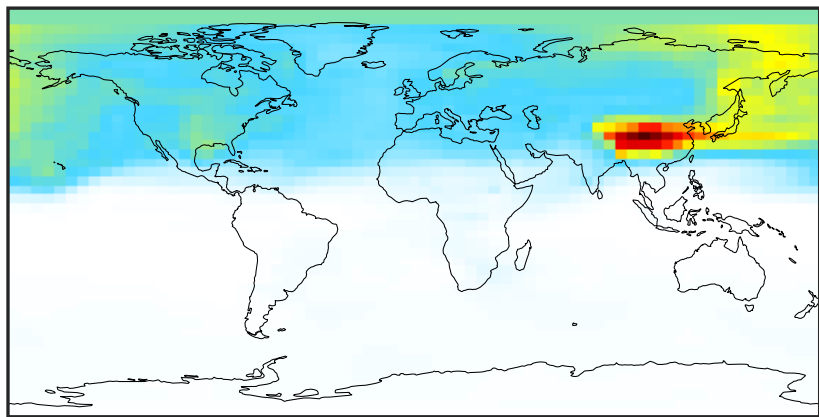
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

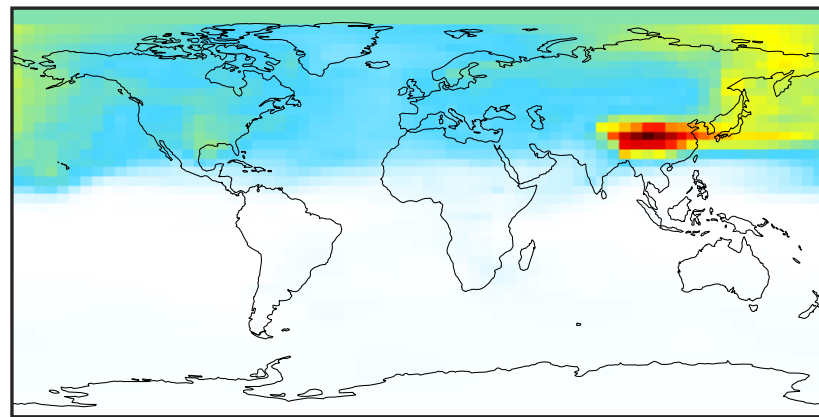
SpeciesConcVV_NH4 (Apr2019)

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



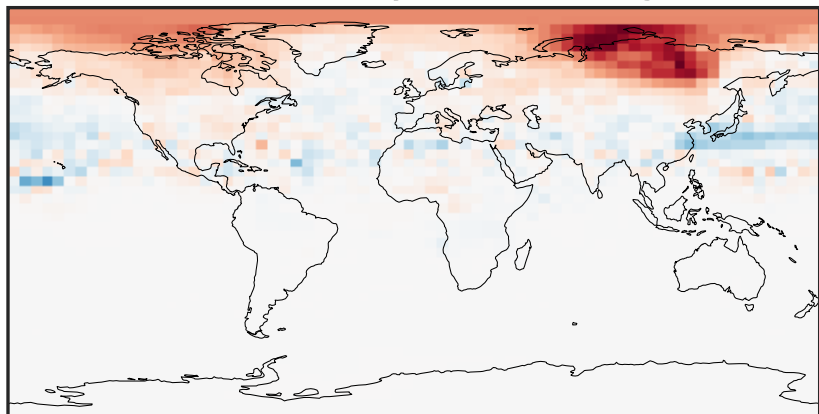
0.0001 0.0896 0.1791 0.2686 0.3581
 $\mu\text{g}/\text{m}^3$

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



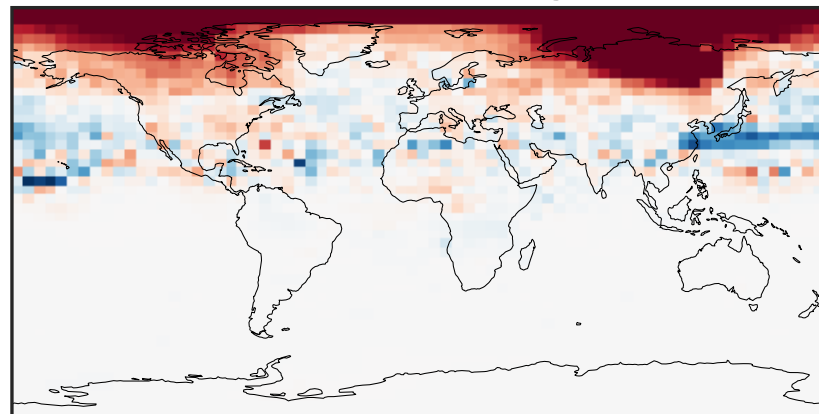
0.0001 0.0896 0.1791 0.2686 0.3581
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



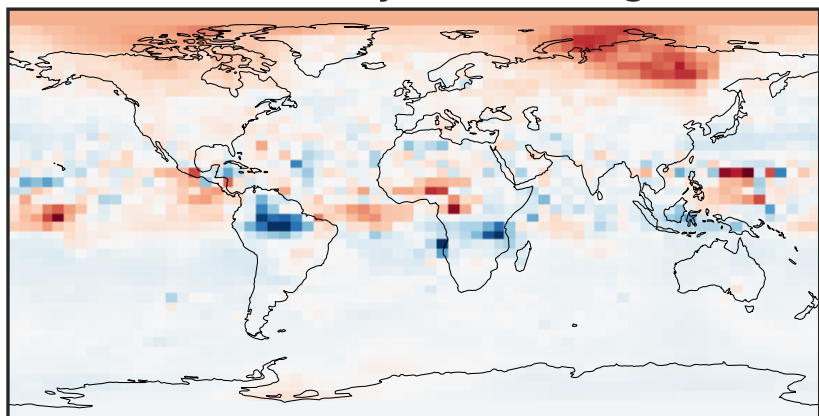
-0.0008 0.0000 0.0008
 $\mu\text{g}/\text{m}^3$

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



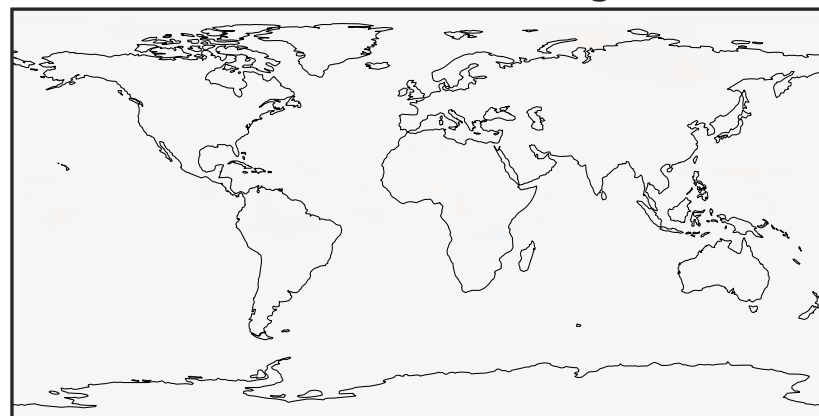
-0.0004 0.0000 0.0004
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



0.98494 0.99247 1.00000 1.00765 1.01529
unitless

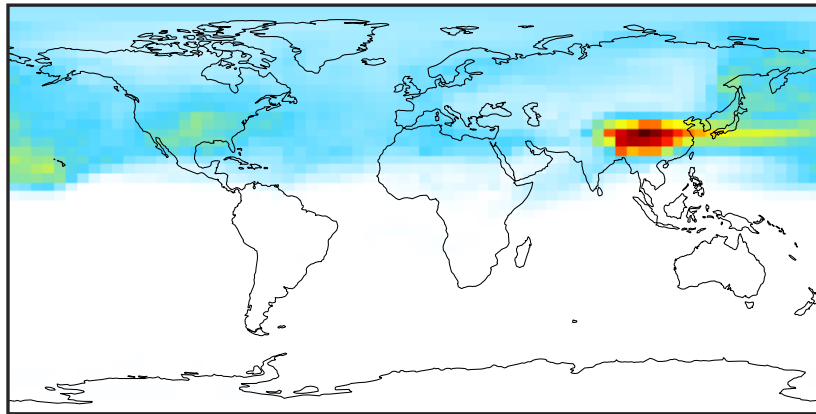
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

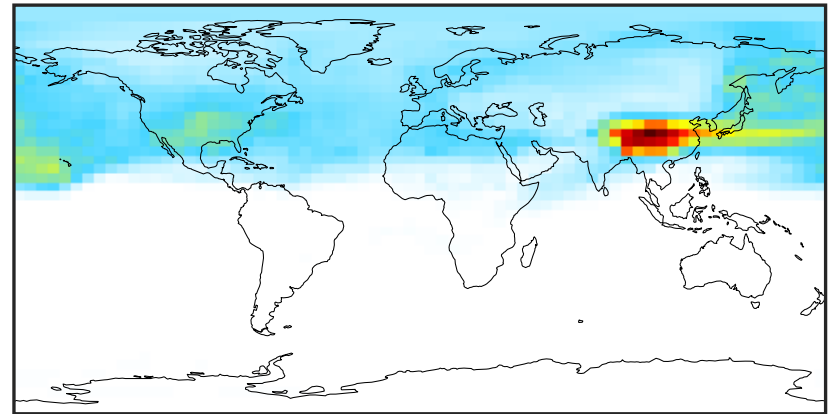
SpeciesConcVV_NIT (Apr2019)

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



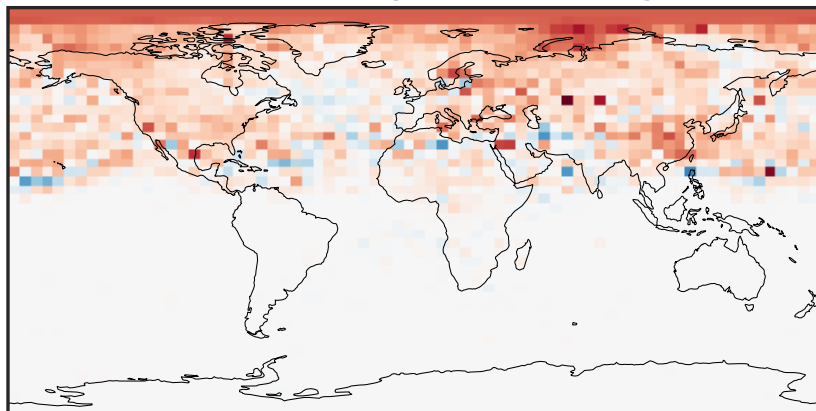
0.0000 0.1528 0.3056 0.4585 0.6113
 $\mu\text{g}/\text{m}^3$

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



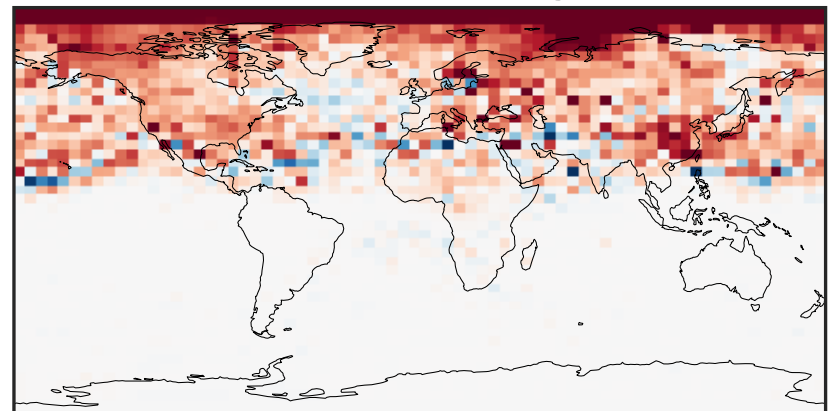
0.0000 0.1528 0.3056 0.4585 0.6113
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



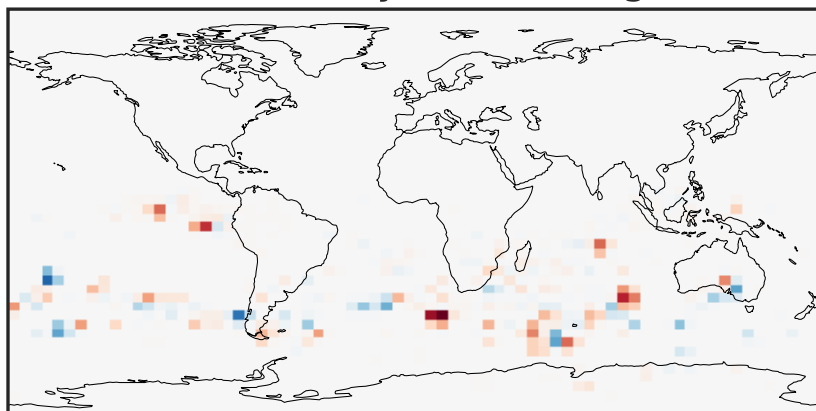
-0.002 0.000 0.002
 $\mu\text{g}/\text{m}^3$

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



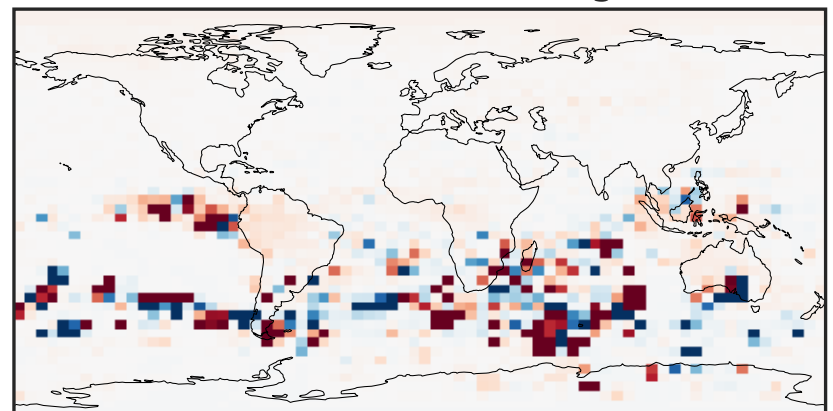
-0.0015 0.0000 0.0015
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



unitless

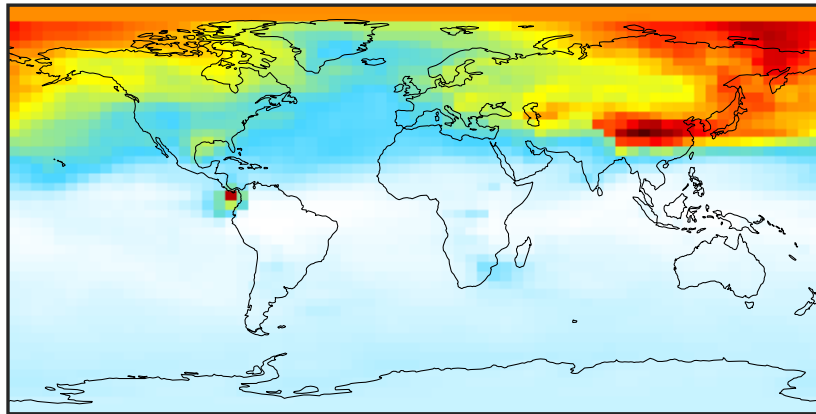
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

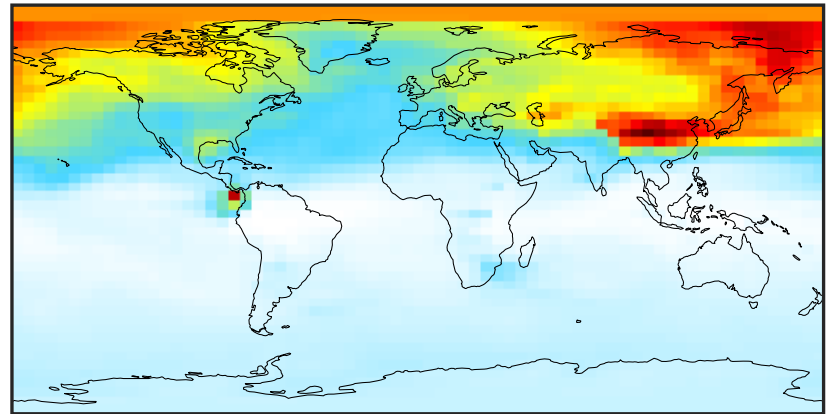
SpeciesConcVV_SO4 (Apr2019)

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



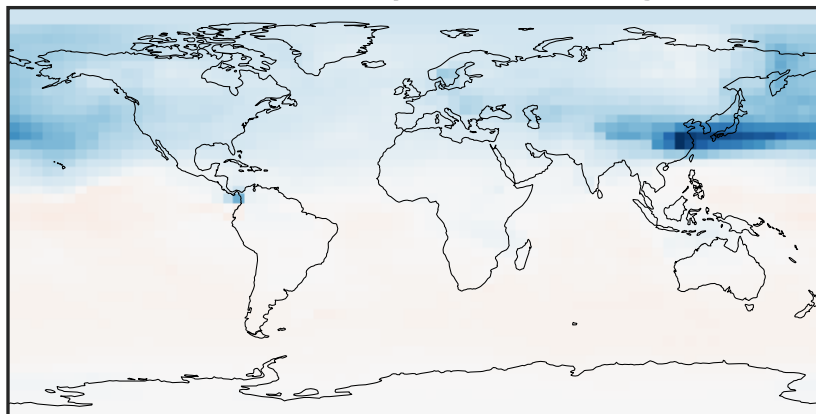
0.0036 0.1151 0.2266 0.3382 0.4497
 $\mu\text{g}/\text{m}^3$

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



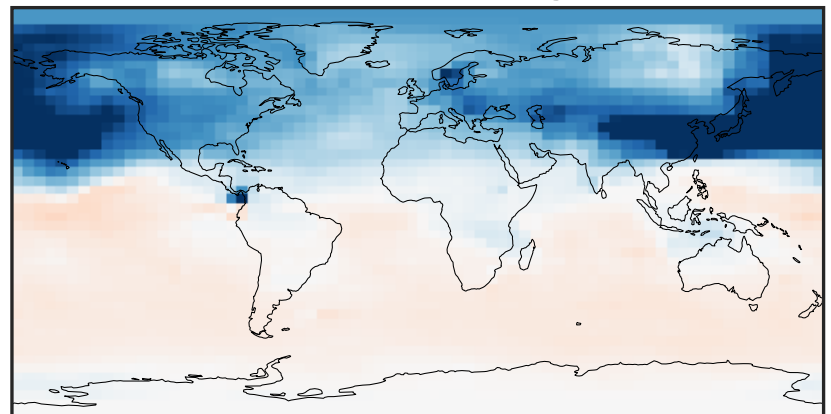
0.0036 0.1151 0.2266 0.3382 0.4497
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



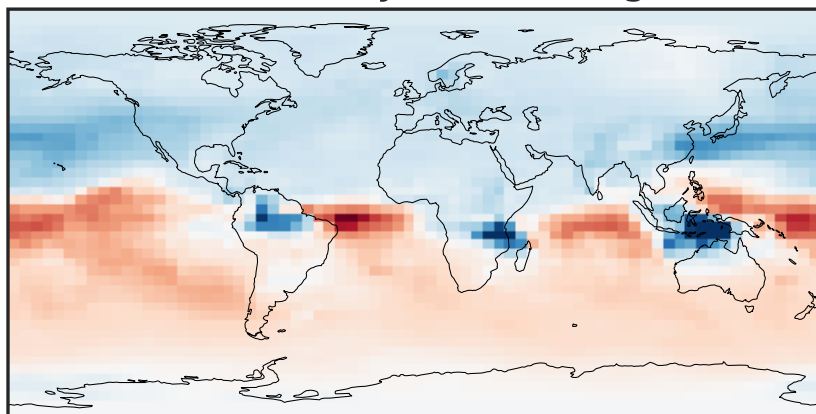
-0.0025 0.0000 0.0025
 $\mu\text{g}/\text{m}^3$

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



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

Ratio
Dev/Ref, Dynamic Range



0.97717 0.98859 1.00000 1.01168 1.02336
unitless

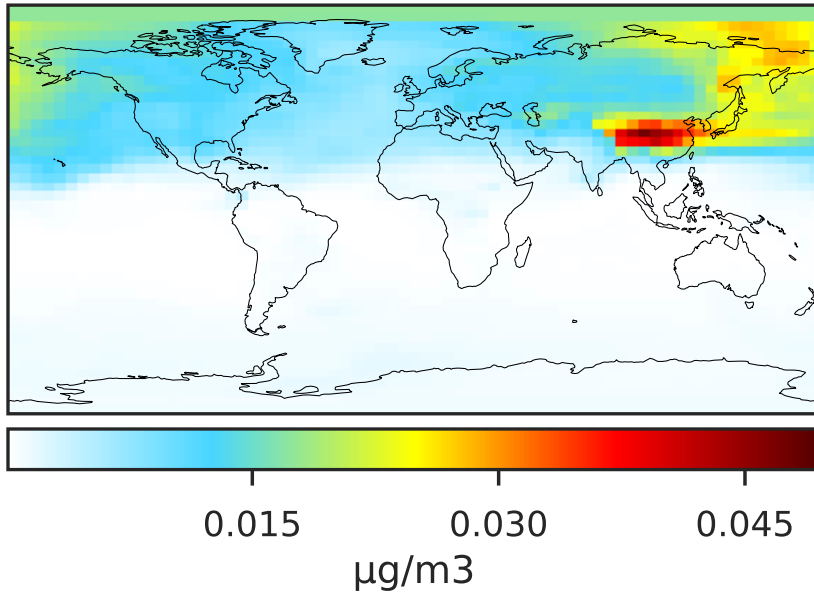
Ratio
Dev/Ref, Fixed Range



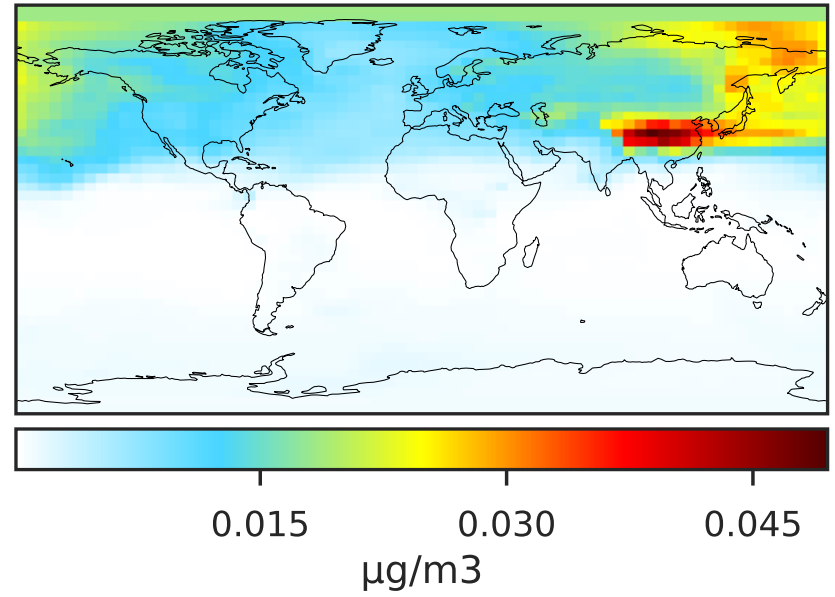
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HMS (Apr2019)

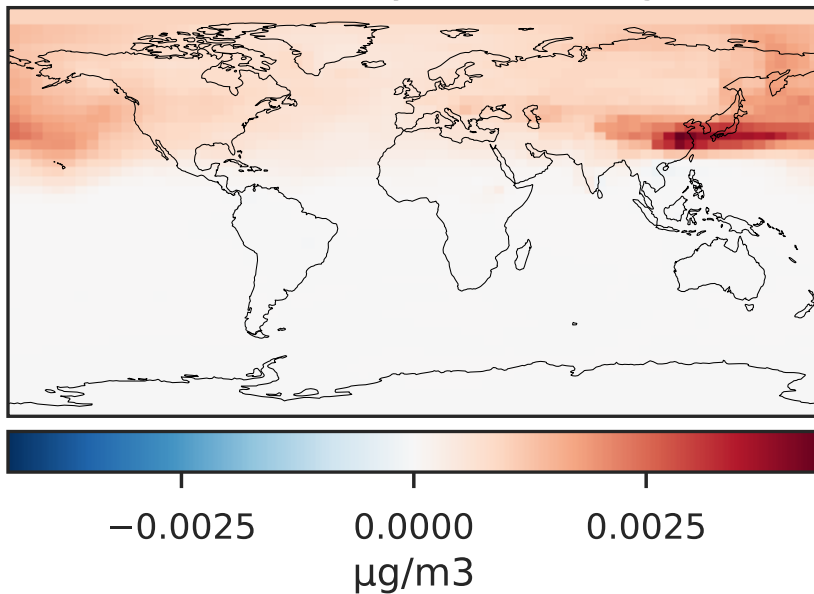
14.2.0-rc.2 (Ref)
4.0x5.0



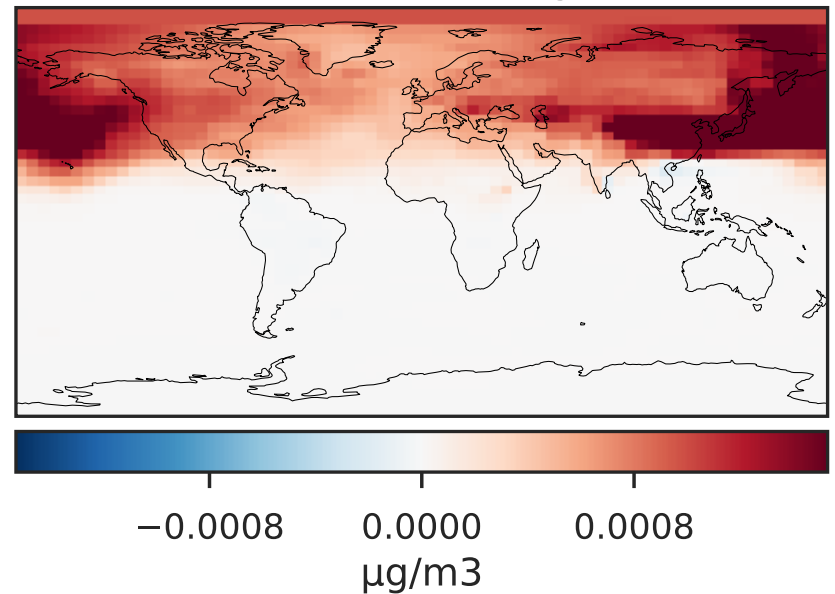
14.3.0-rc.0 (Dev)
4.0x5.0



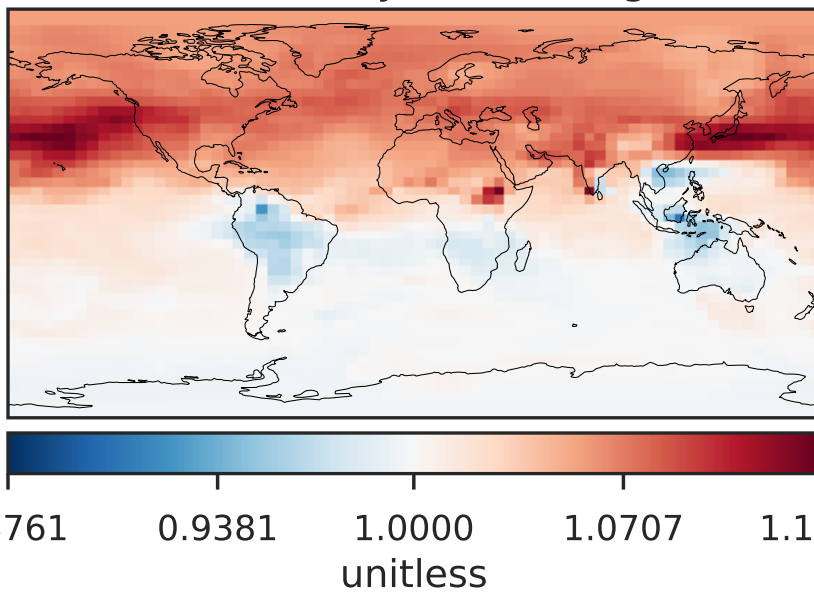
Difference
Dev - Ref, Dynamic Range



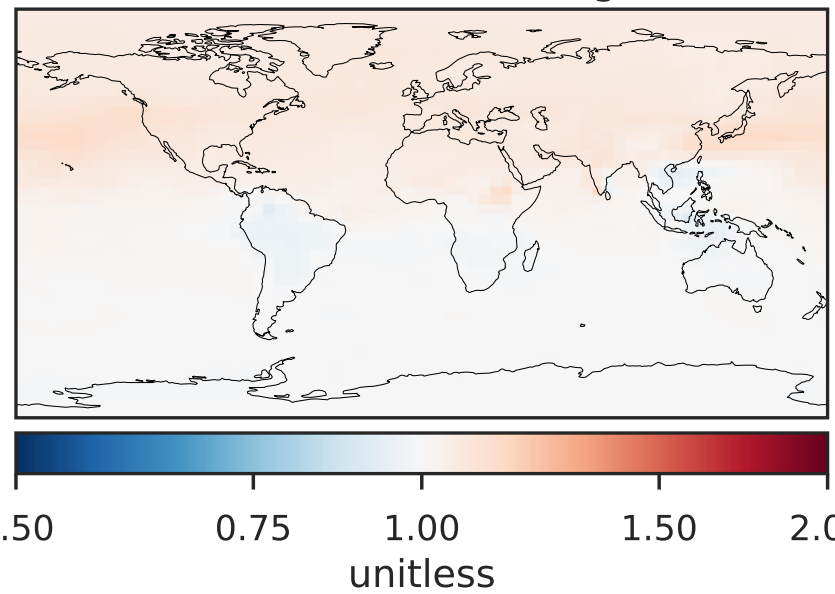
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

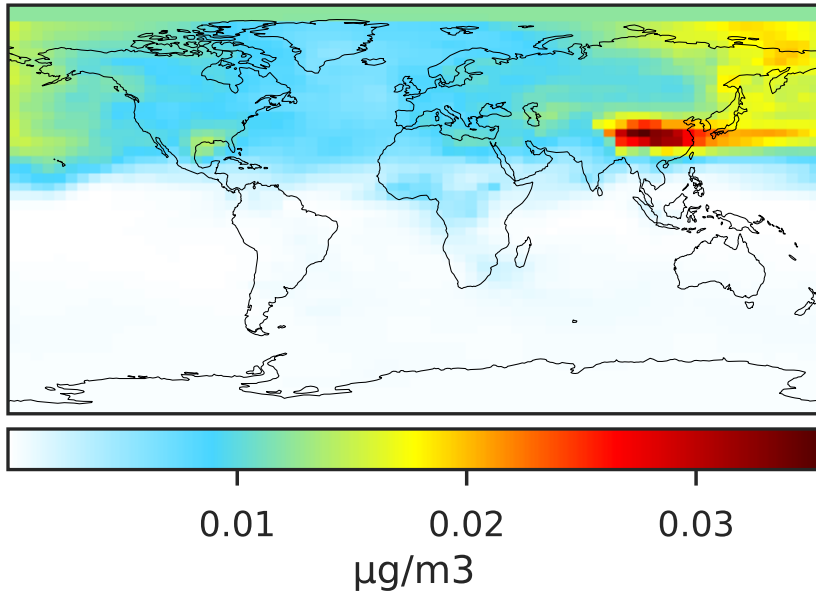


Ratio
Dev/Ref, Fixed Range

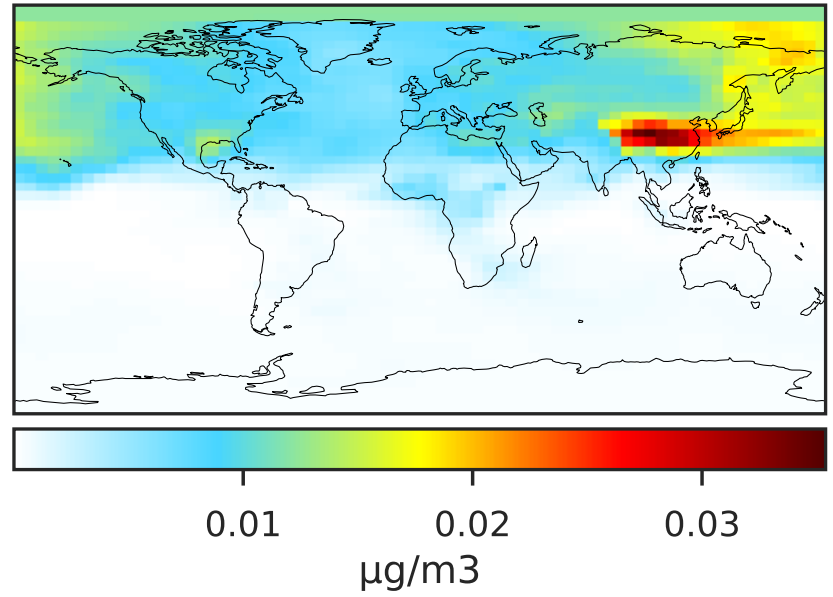


SpeciesConcVV_BCPI (Apr2019)

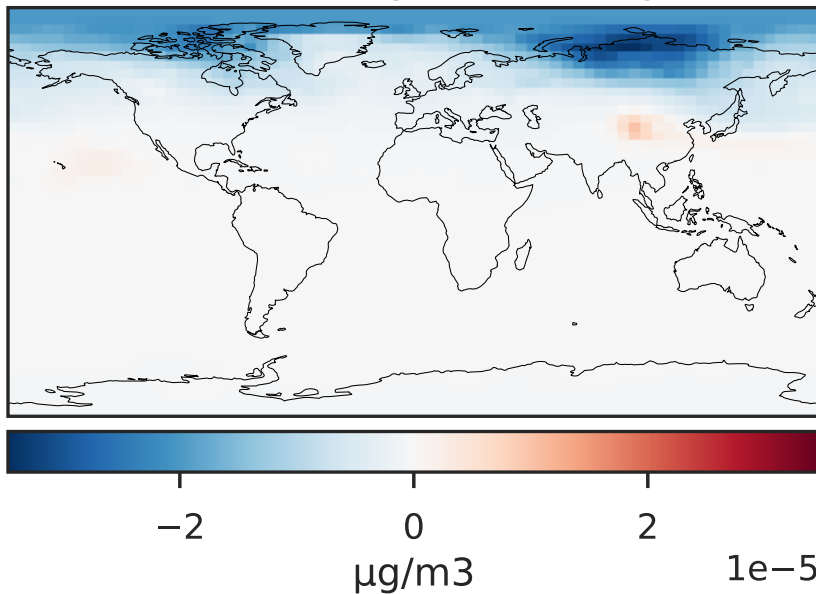
14.2.0-rc.2 (Ref)
4.0x5.0



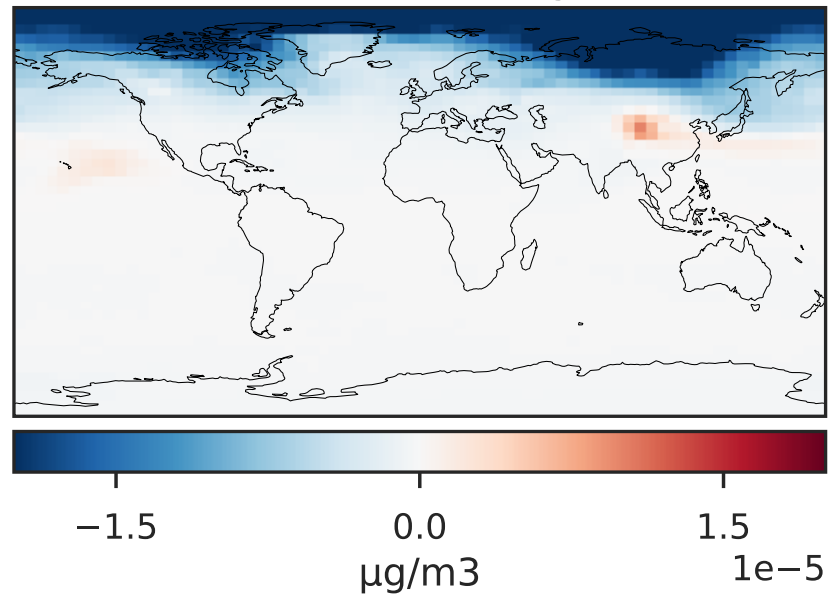
14.3.0-rc.0 (Dev)
4.0x5.0



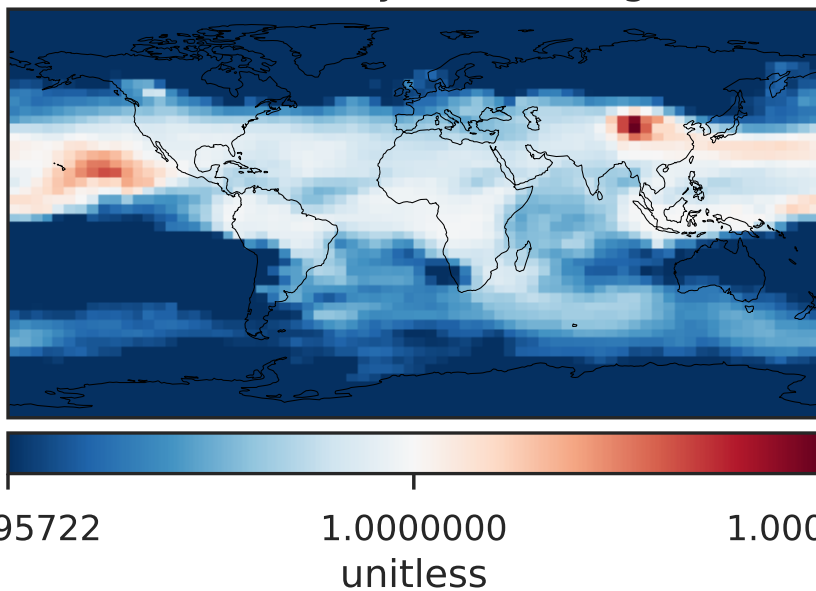
Difference
Dev - Ref, Dynamic Range



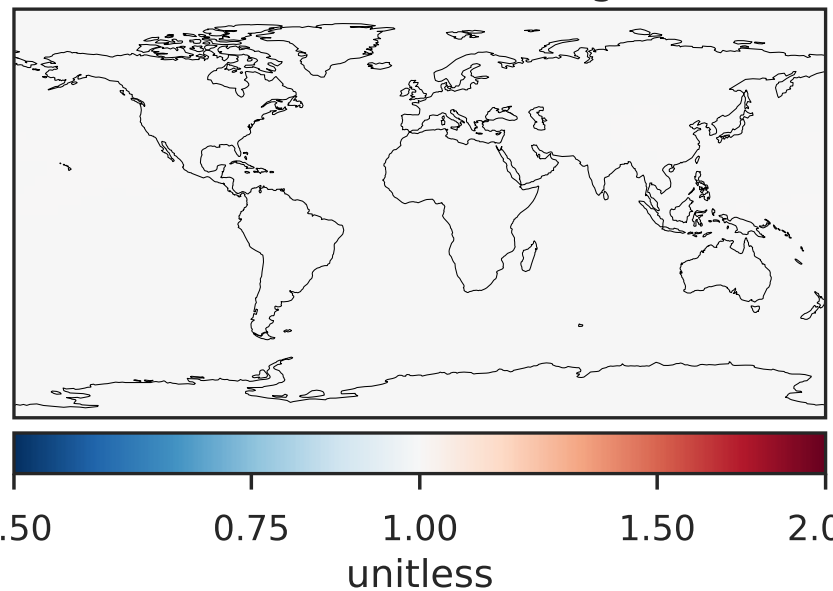
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

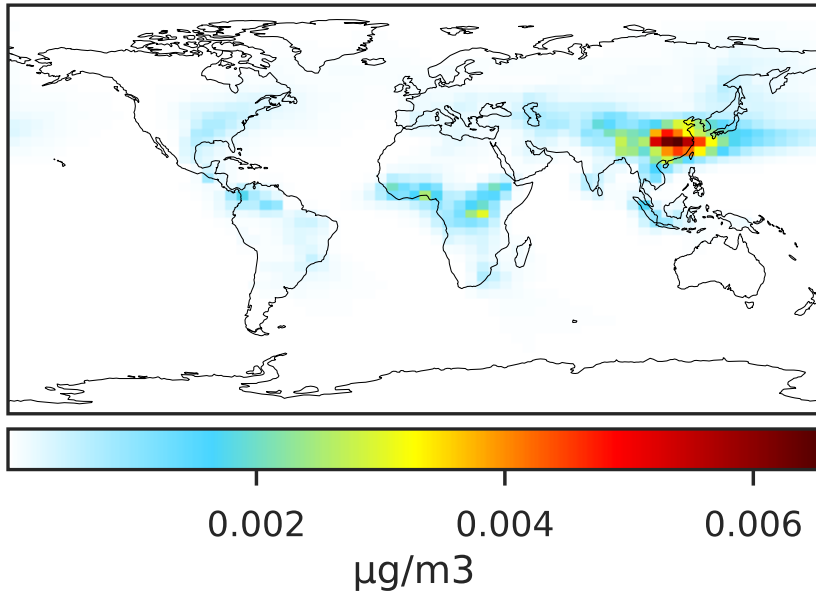


Ratio
Dev/Ref, Fixed Range

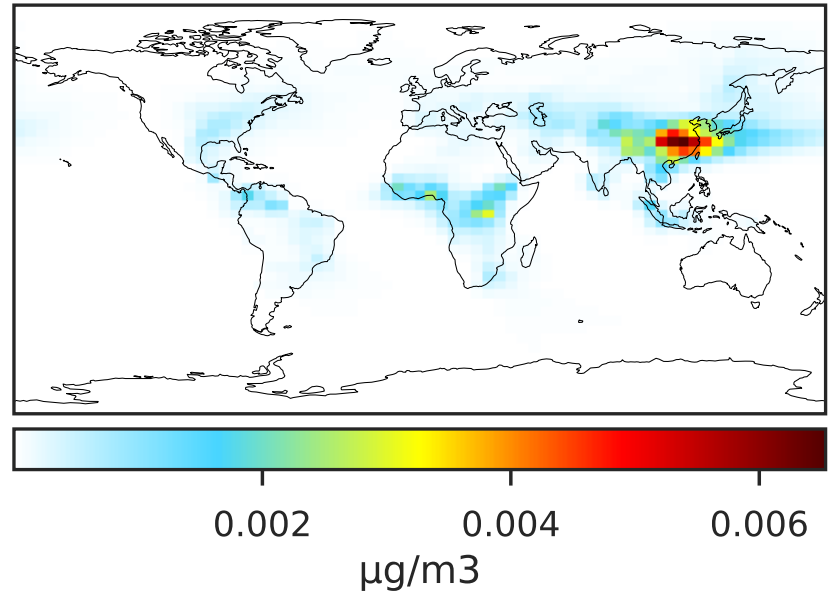


SpeciesConcVV_BCPO (Apr2019)

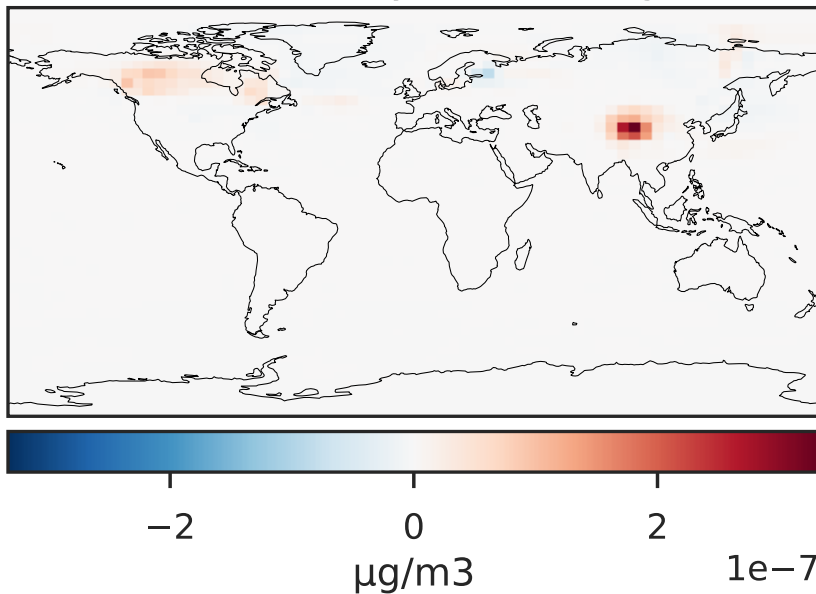
14.2.0-rc.2 (Ref)
4.0x5.0



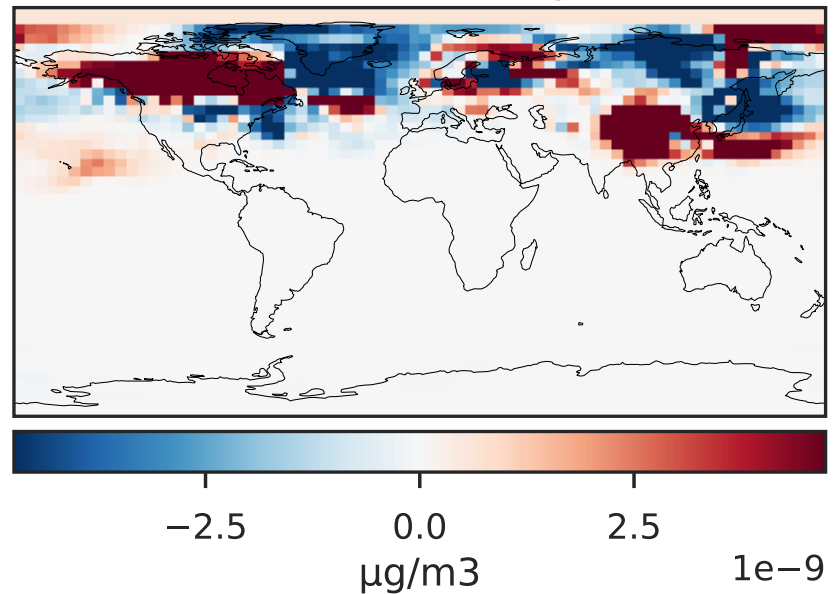
14.3.0-rc.0 (Dev)
4.0x5.0



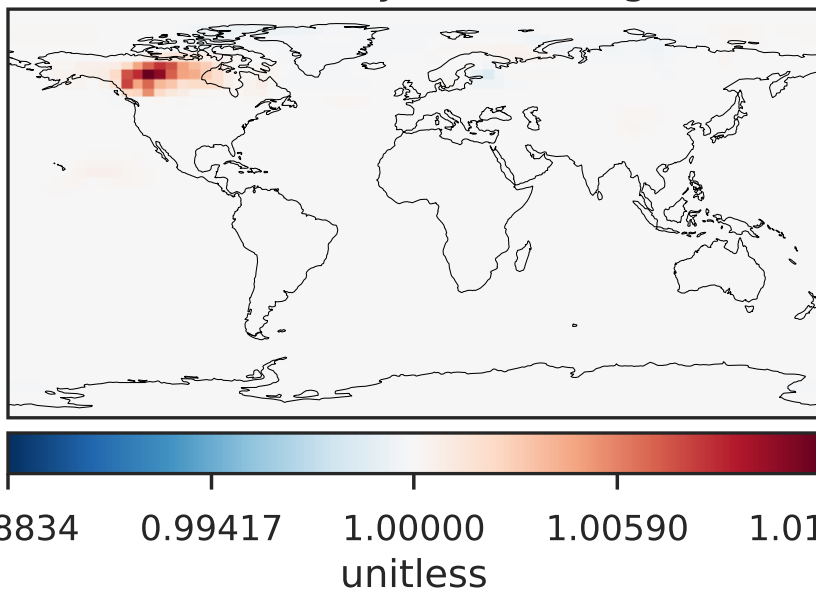
Difference
Dev - Ref, Dynamic Range



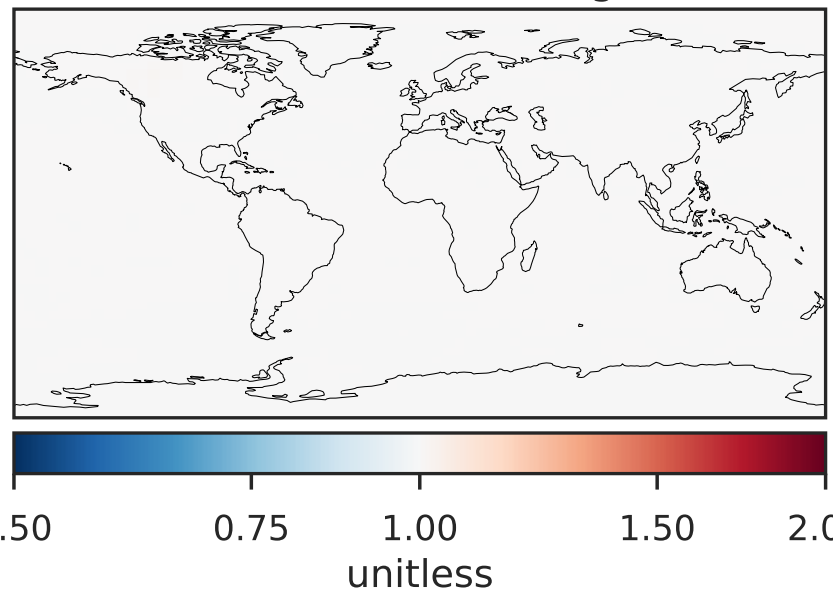
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

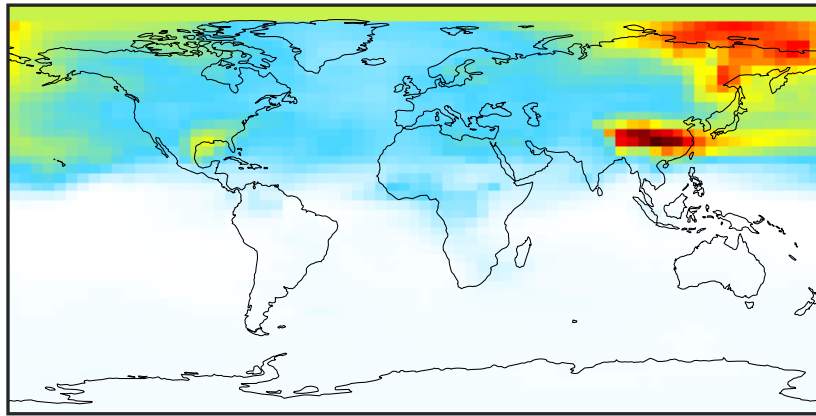


Ratio
Dev/Ref, Fixed Range



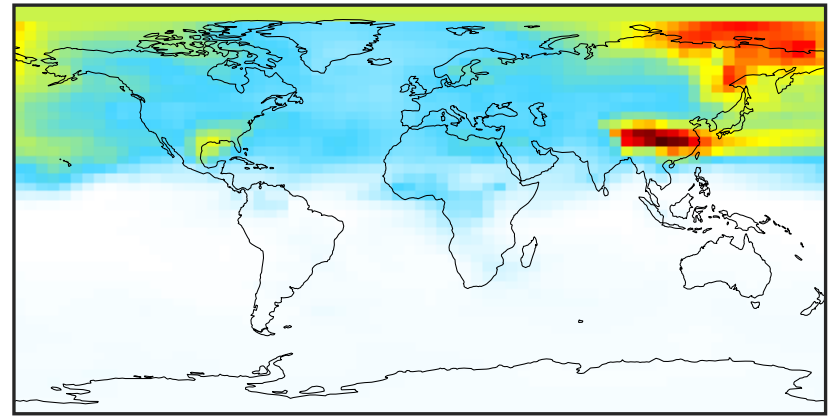
SpeciesConcVV_OCPI (Apr2019)

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



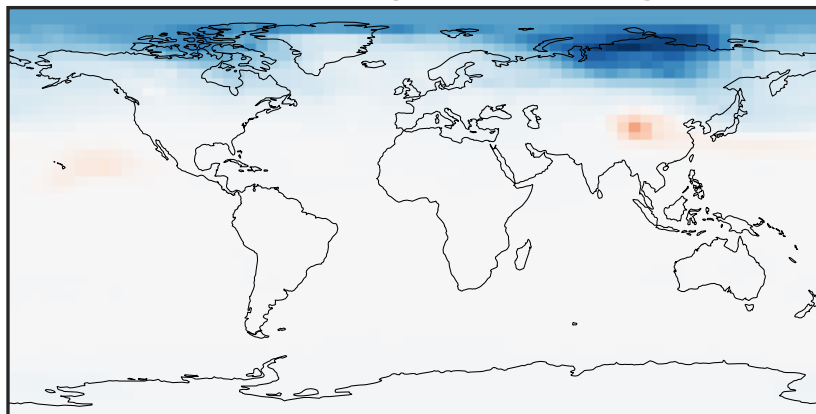
0.0000 0.0264 0.0528 0.0792 0.1056
 $\mu\text{g}/\text{m}^3$

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



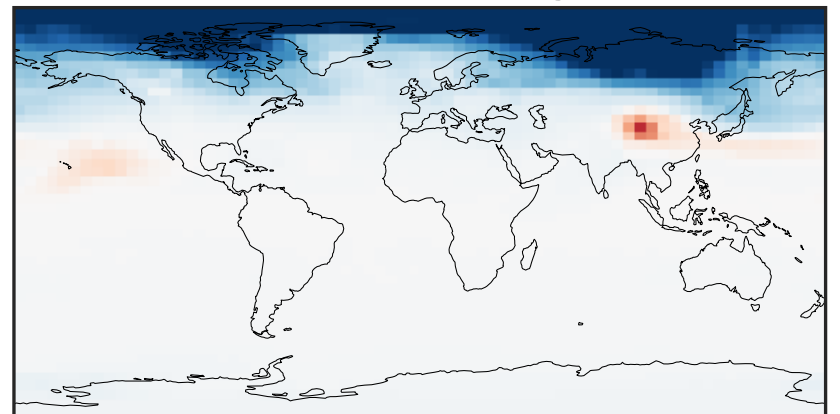
0.0000 0.0264 0.0528 0.0792 0.1056
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



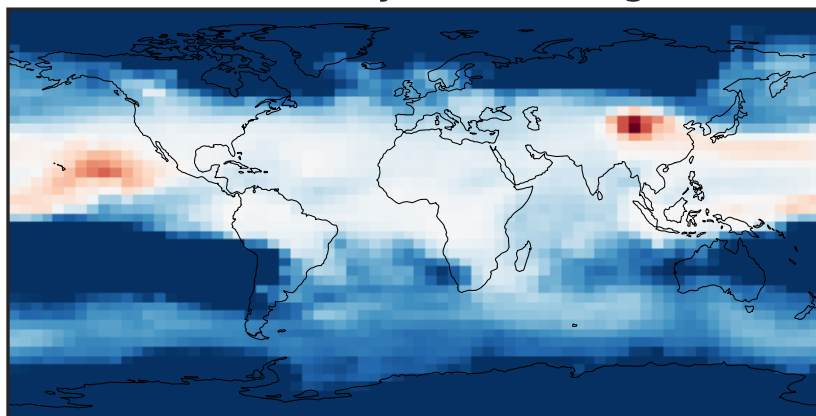
-4 0 4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



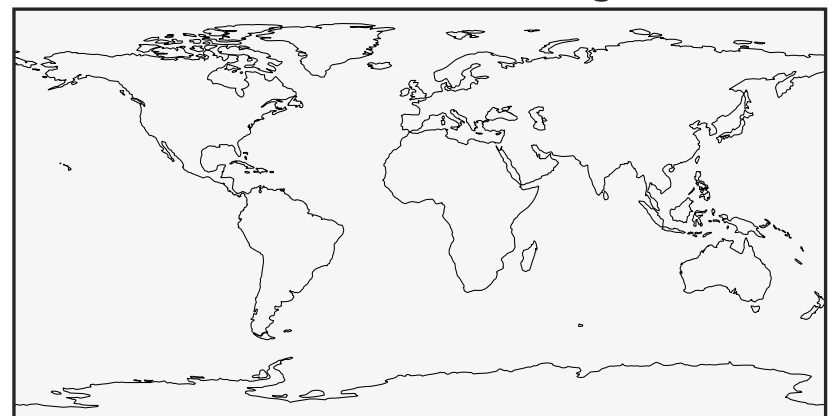
-2.5 0.0 2.5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

Ratio
Dev/Ref, Dynamic Range



0.999468 1.000000 1.000532
unitless

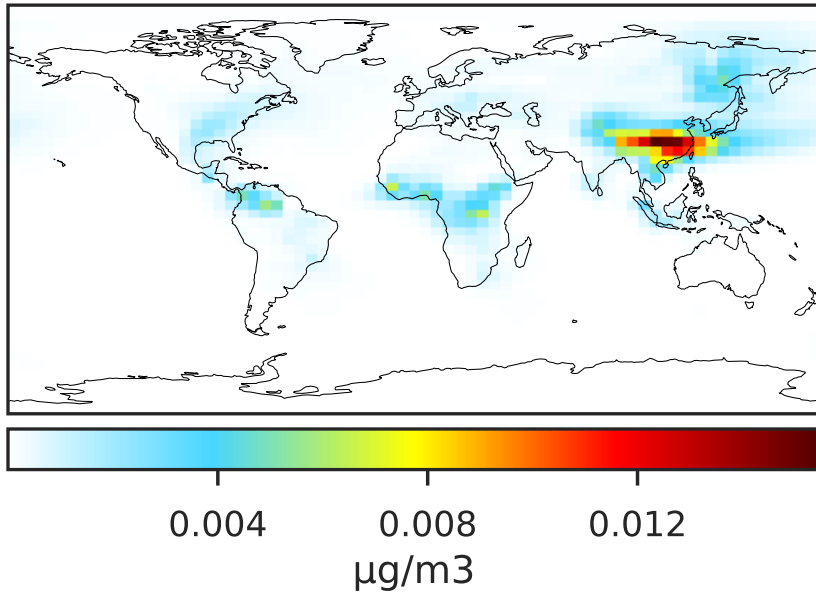
Ratio
Dev/Ref, Fixed Range



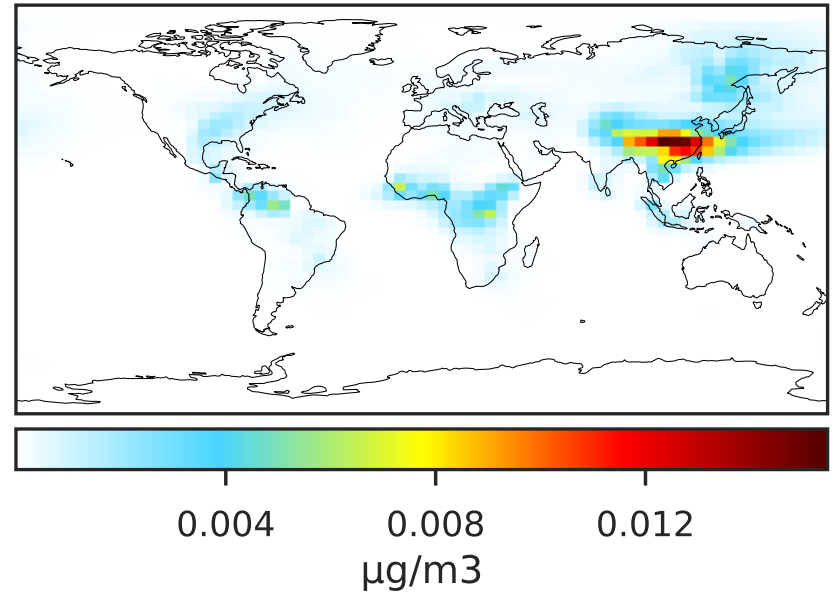
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_OCPO (Apr2019)

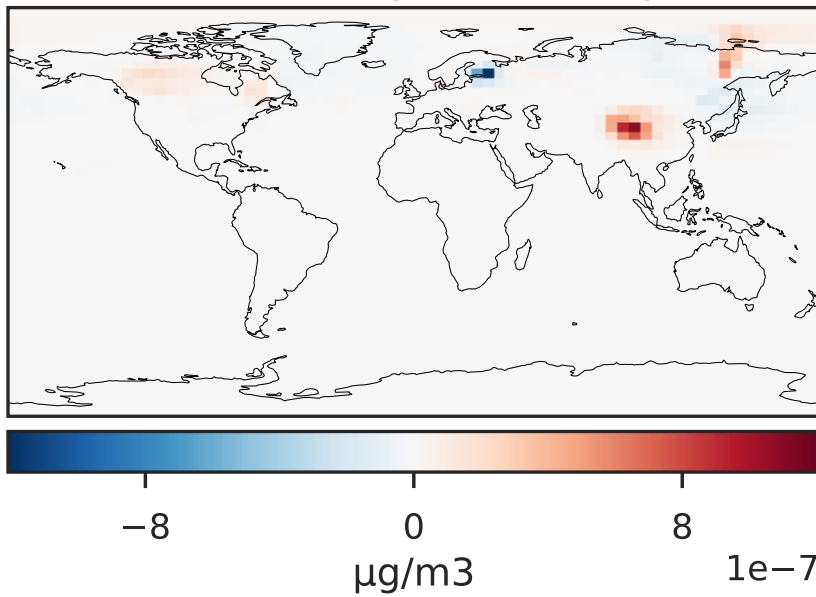
14.2.0-rc.2 (Ref)
4.0x5.0



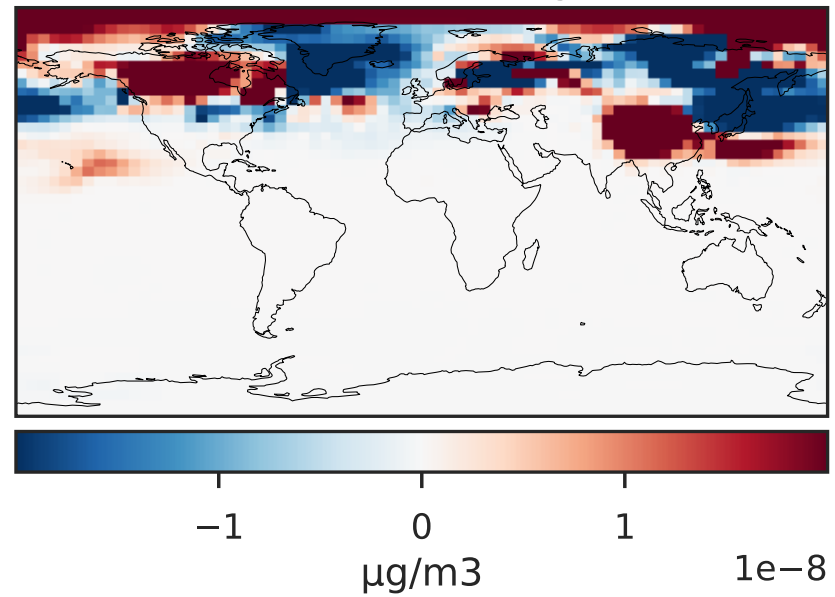
14.3.0-rc.0 (Dev)
4.0x5.0



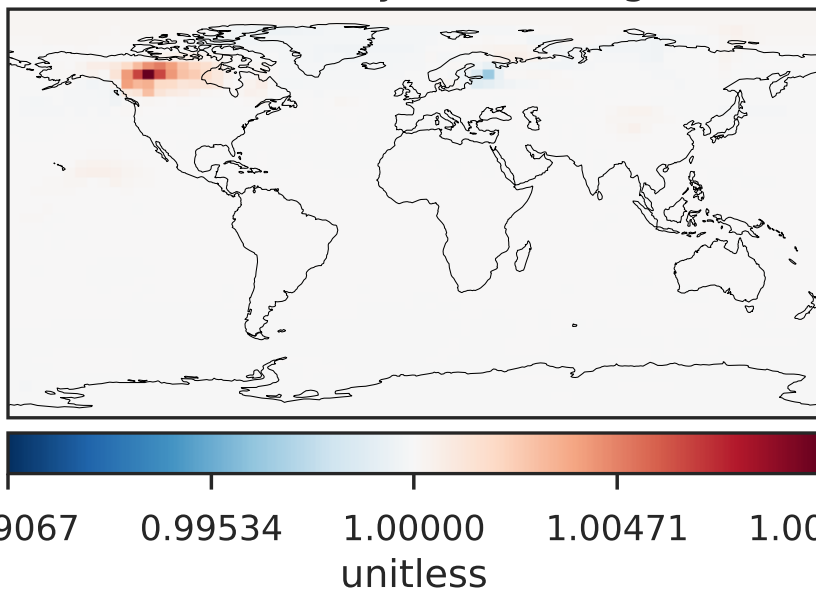
Difference
Dev - Ref, Dynamic Range



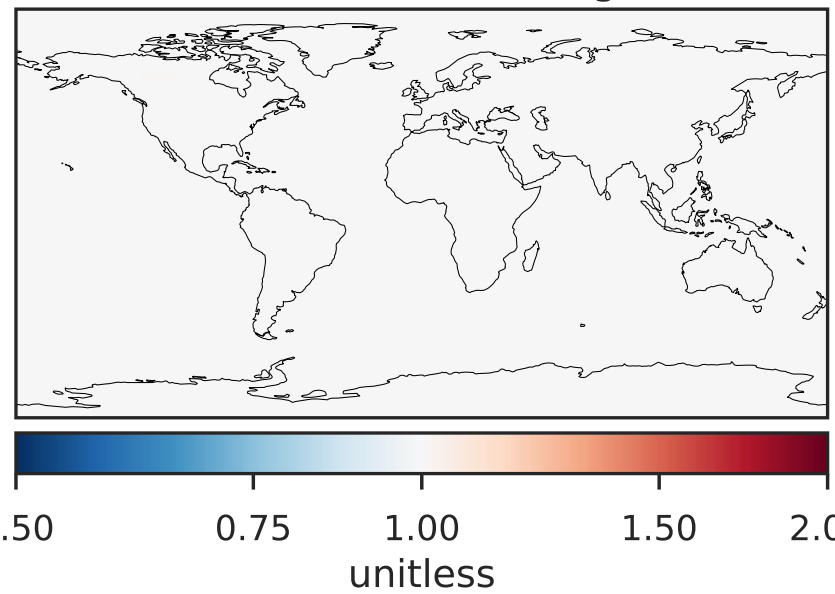
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

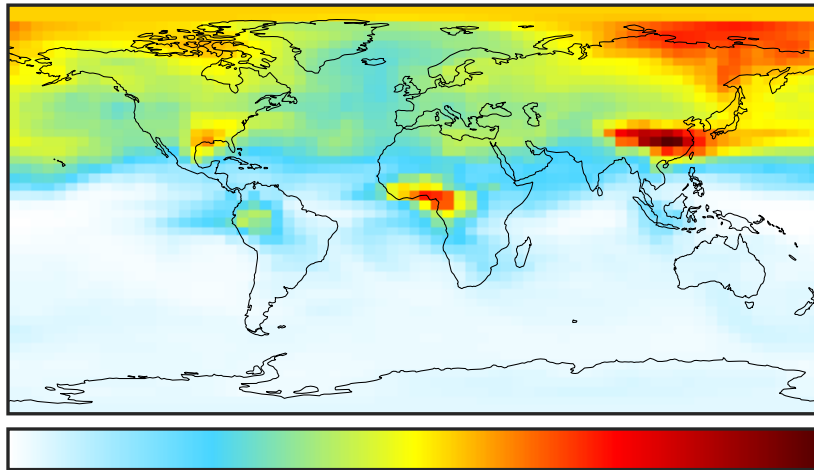


Ratio
Dev/Ref, Fixed Range



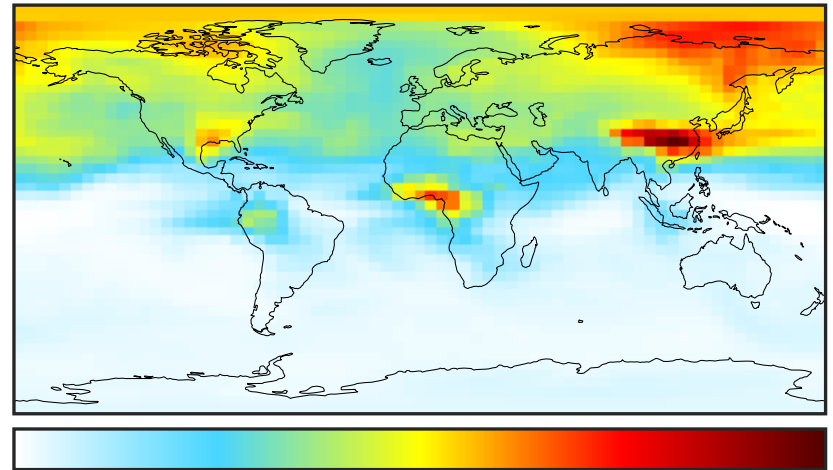
SpeciesConcVV_Complex_SOA (Apr2019)

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



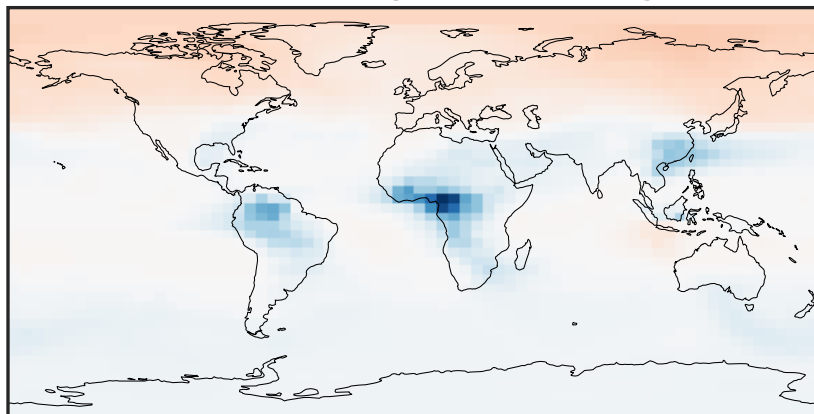
0.015 0.030
 $\mu\text{g}/\text{m}^3$

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



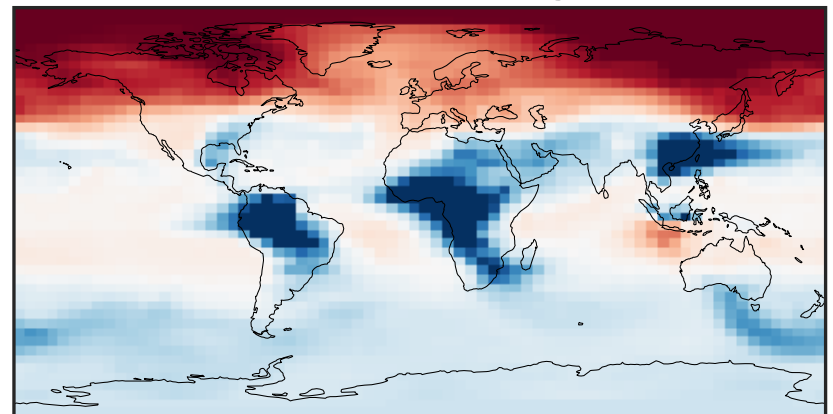
0.015 0.030
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



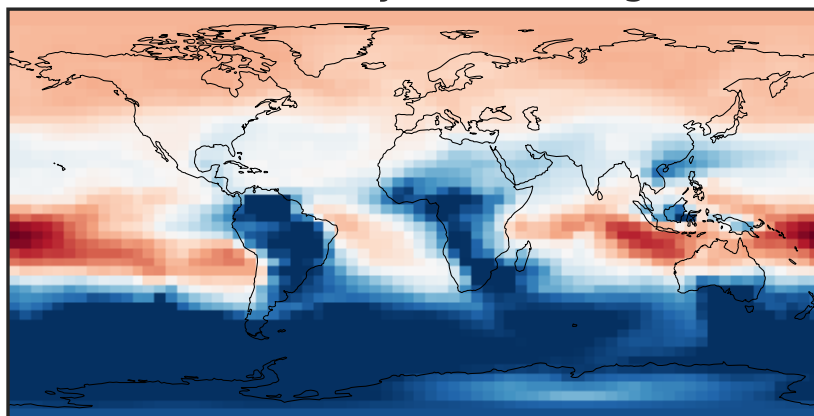
-0.0008 0.0000 0.0008
 $\mu\text{g}/\text{m}^3$

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



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

Ratio
Dev/Ref, Dynamic Range



0.96253 0.98126 1.00000 1.01947 1.03893
unitless

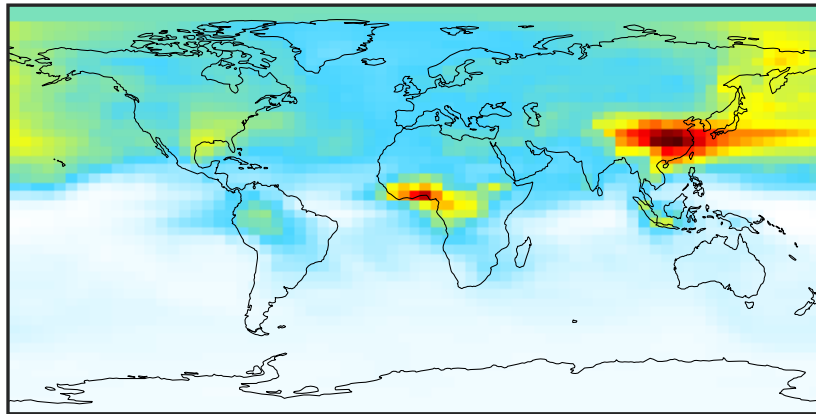
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

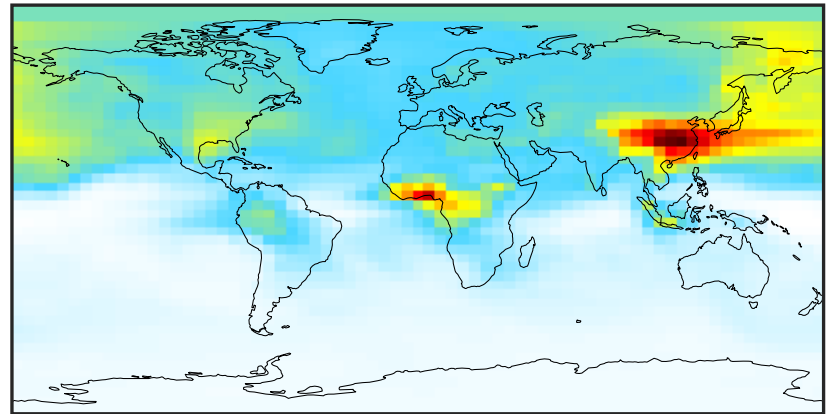
SpeciesConcVV_Simple_SOA (Apr2019)

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



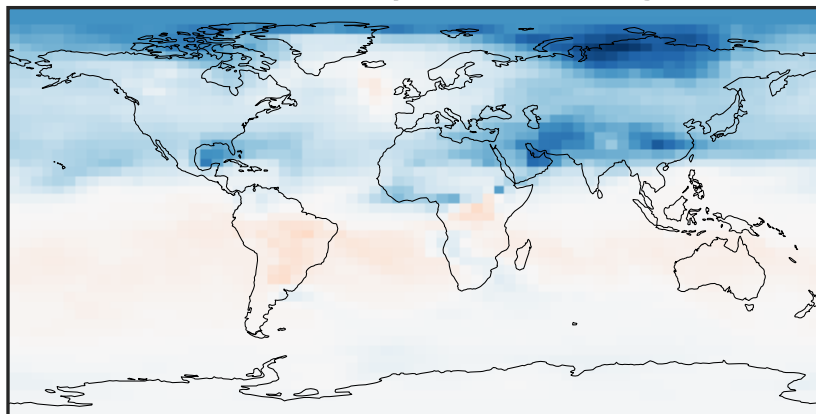
0.0010 0.0962 0.1914 0.2866 0.3818
 $\mu\text{g}/\text{m}^3$

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



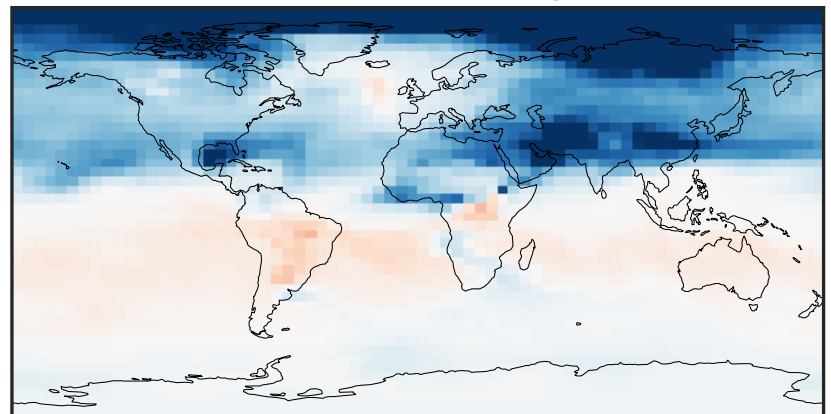
0.0010 0.0962 0.1914 0.2866 0.3818
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



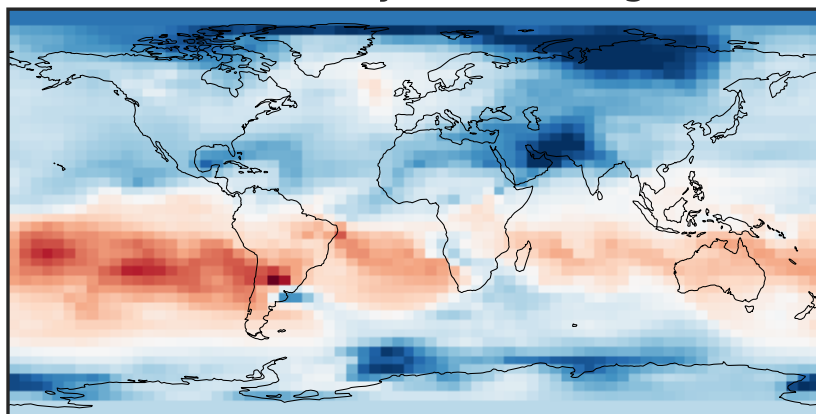
-0.00015 0.00000 0.00015
 $\mu\text{g}/\text{m}^3$

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



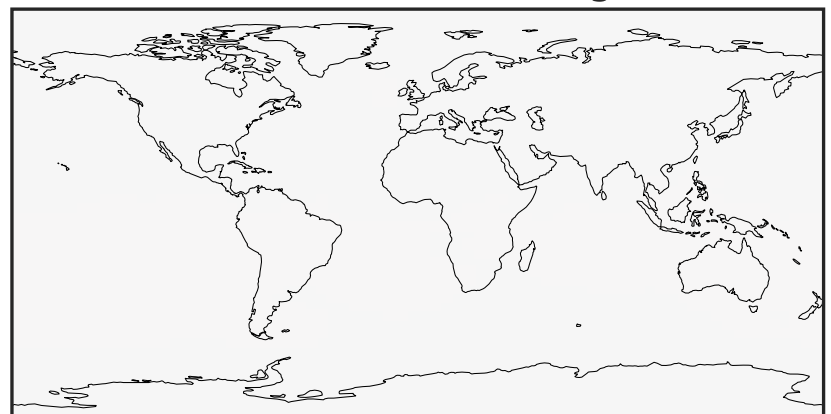
-8 0 8
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

Ratio
Dev/Ref, Dynamic Range



0.998408 0.999204 1.000000 1.000797 1.001594
unitless

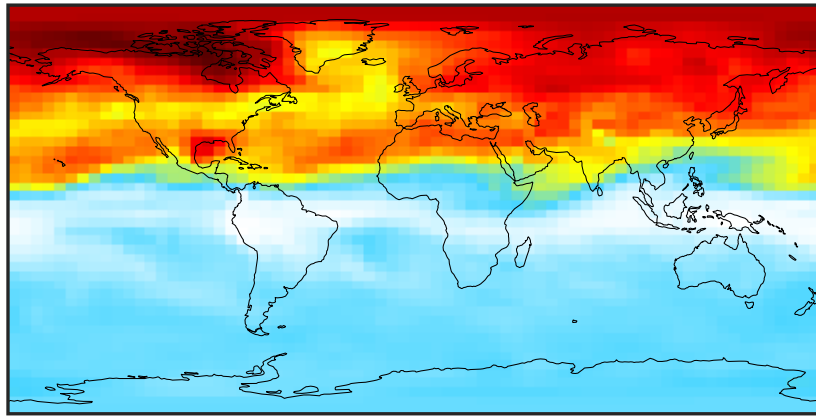
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

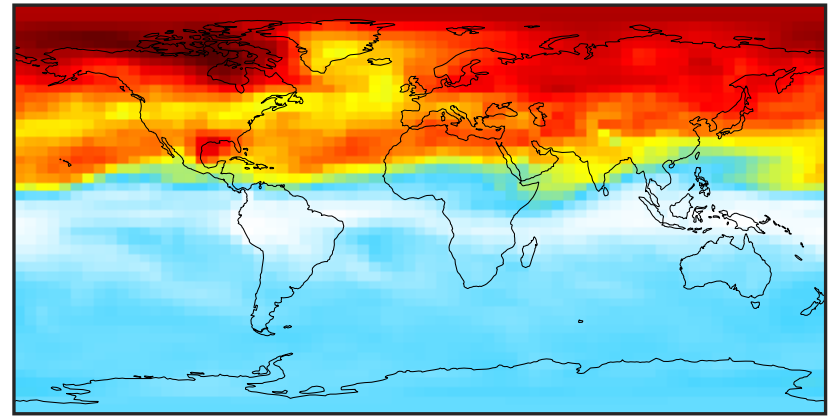
SpeciesConcVV_AERI (Apr2019)

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



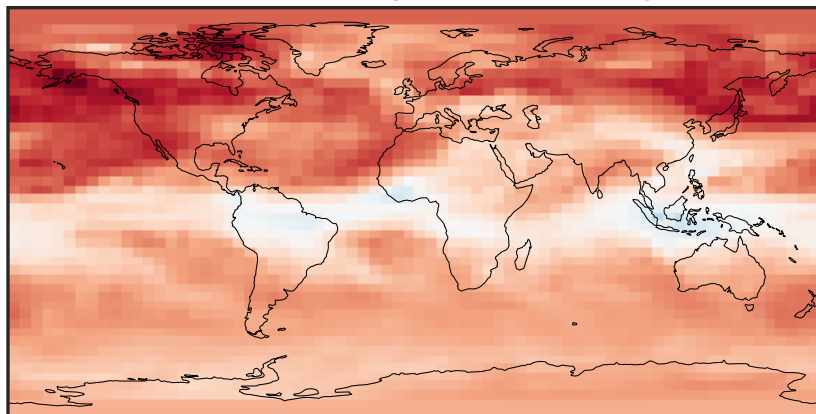
0.00025 0.00050 0.00075
 $\mu\text{g}/\text{m}^3$

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



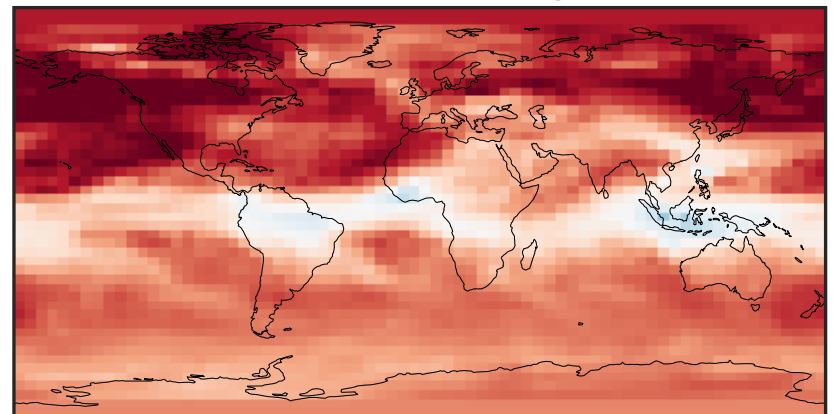
0.00025 0.00050 0.00075
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



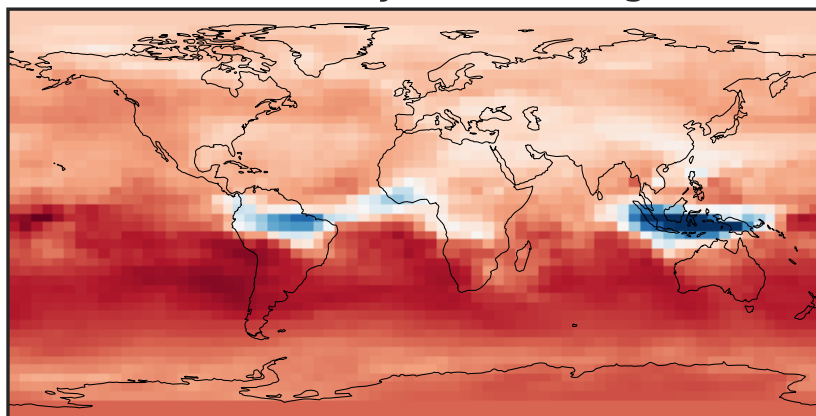
-4 0 4
 $\mu\text{g}/\text{m}^3 \quad 1\text{e}-6$

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



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

Ratio
Dev/Ref, Dynamic Range



0.97806 0.98903 1.00000 1.01122 1.02243
unitless

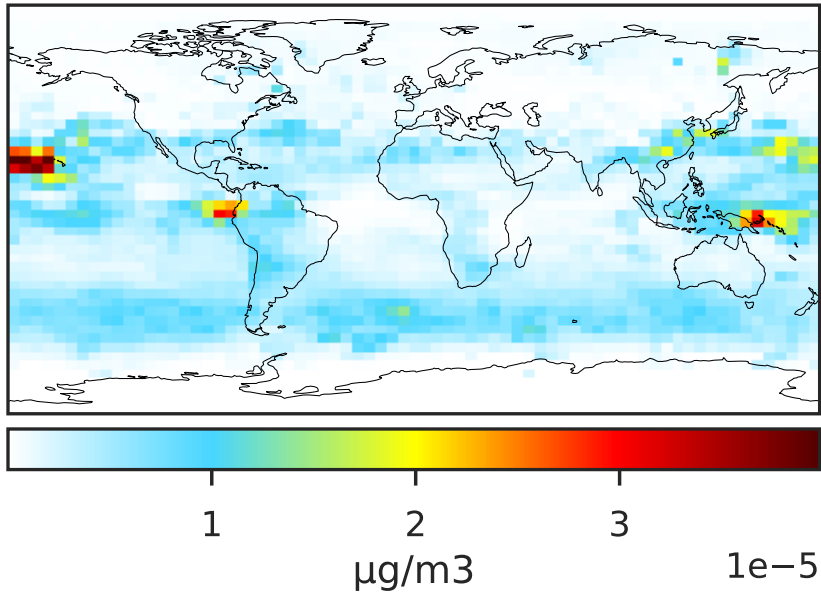
Ratio
Dev/Ref, Fixed Range



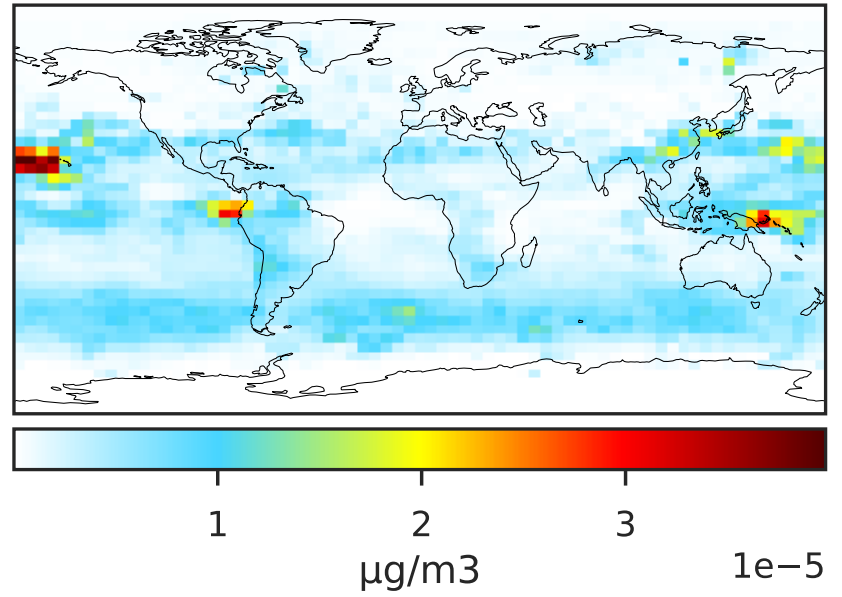
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_BrSALA (Apr2019)

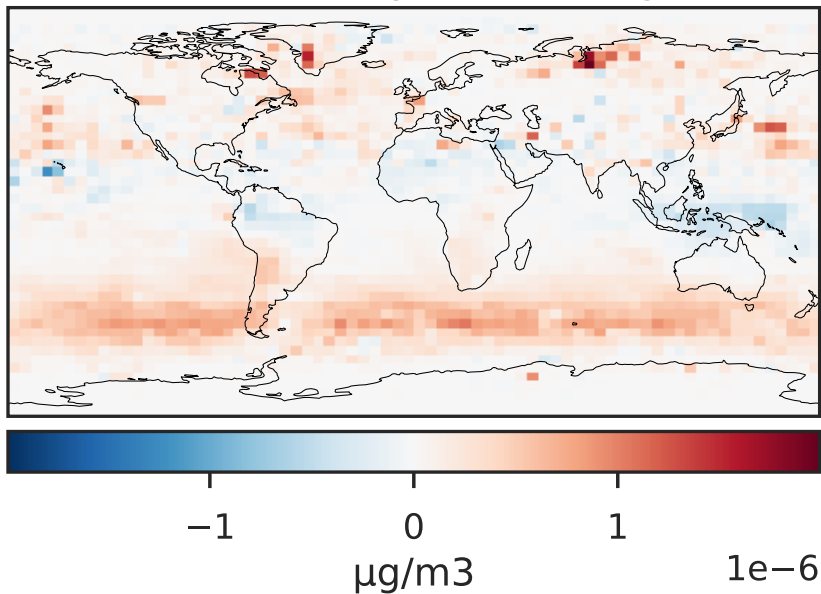
14.2.0-rc.2 (Ref)
4.0x5.0



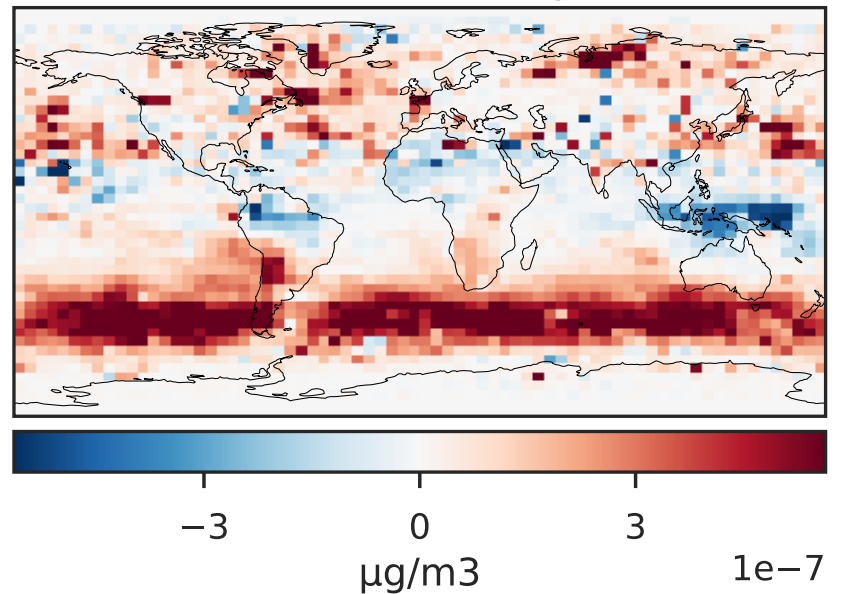
14.3.0-rc.0 (Dev)
4.0x5.0



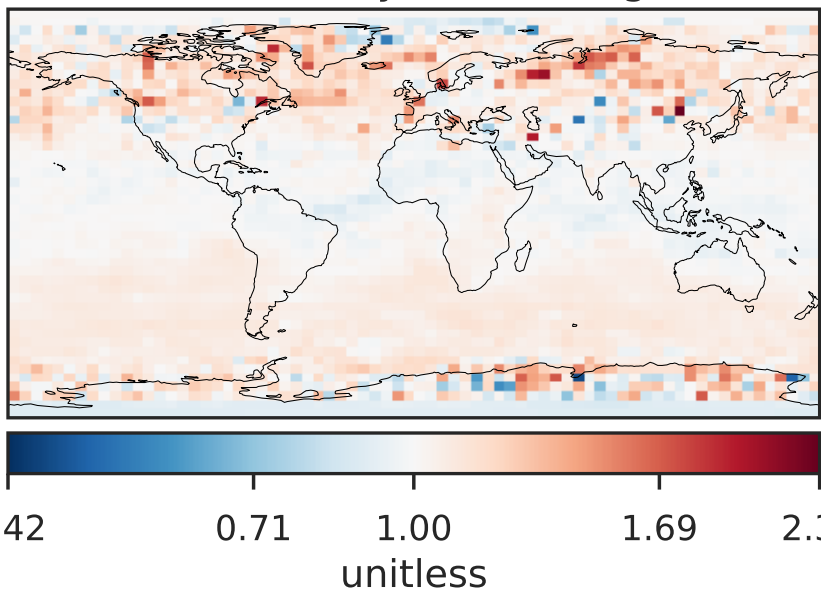
Difference
Dev - Ref, Dynamic Range



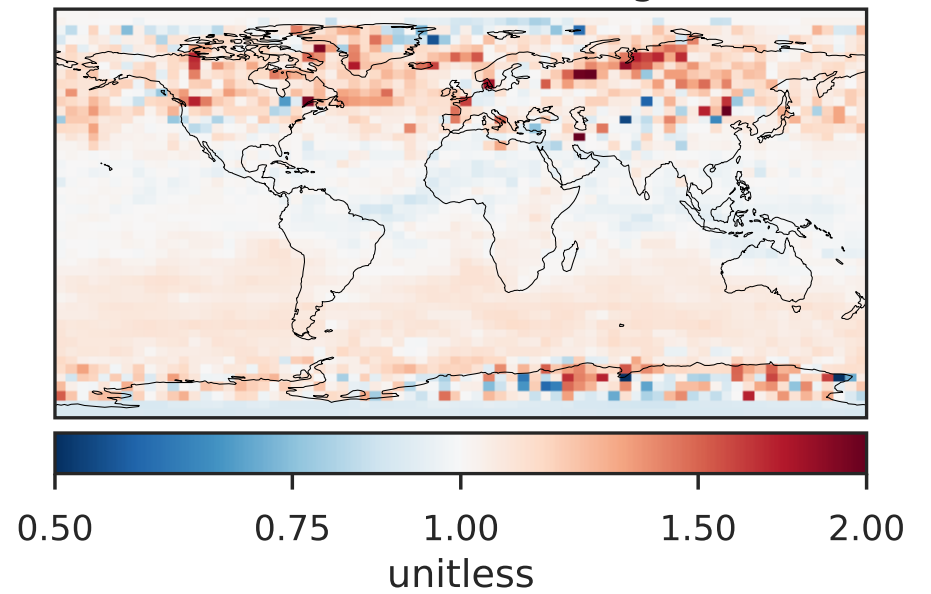
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

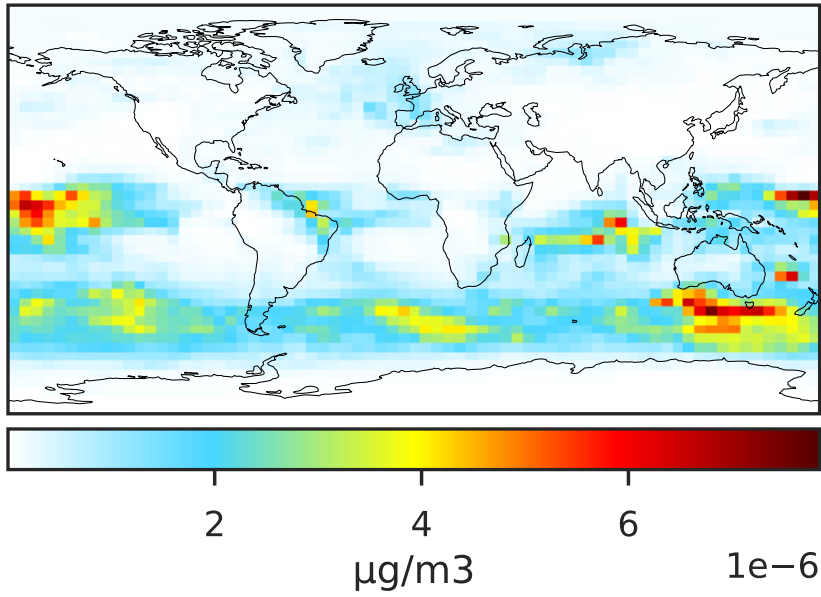


Ratio
Dev/Ref, Fixed Range

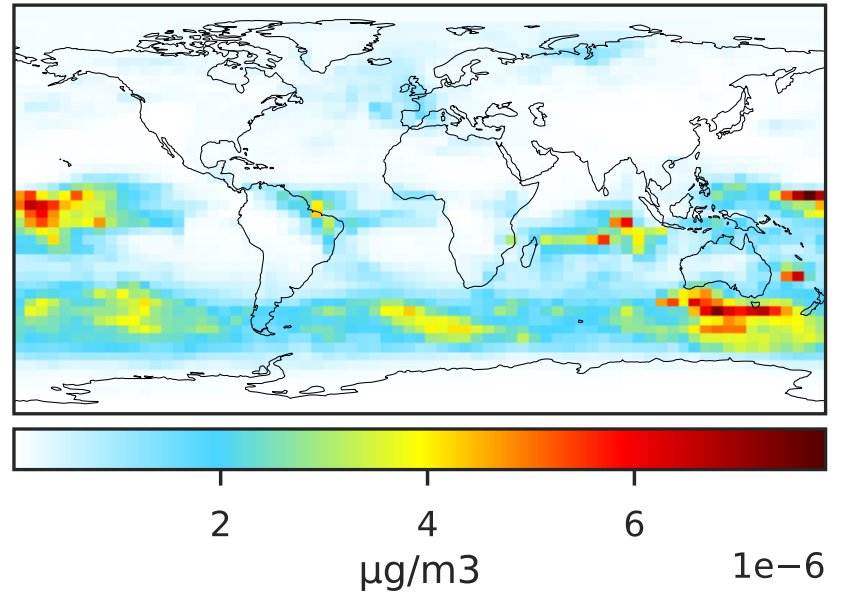


SpeciesConcVV_BrSALC (Apr2019)

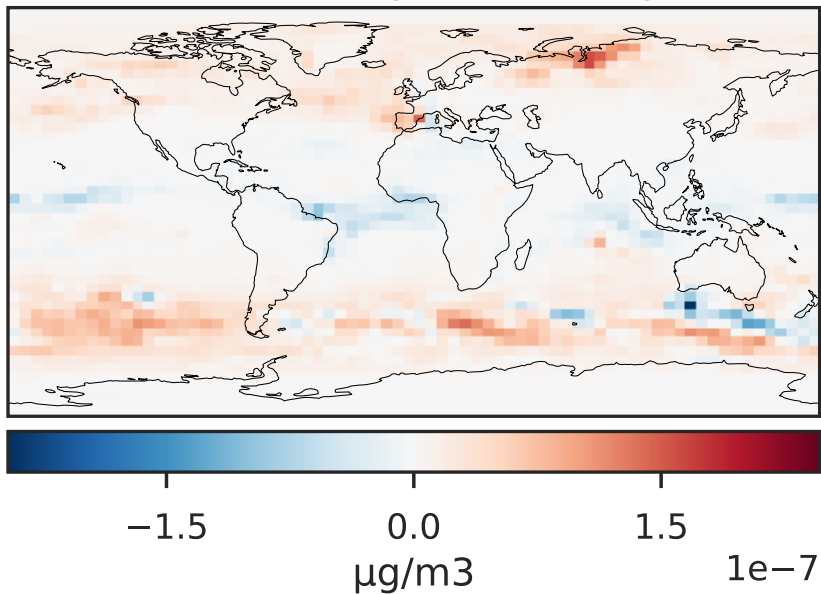
14.2.0-rc.2 (Ref)
4.0x5.0



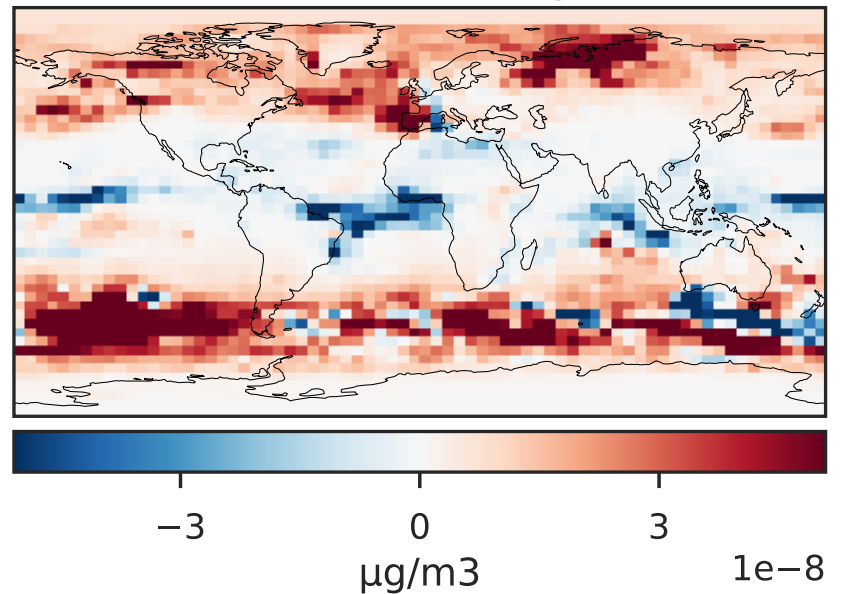
14.3.0-rc.0 (Dev)
4.0x5.0



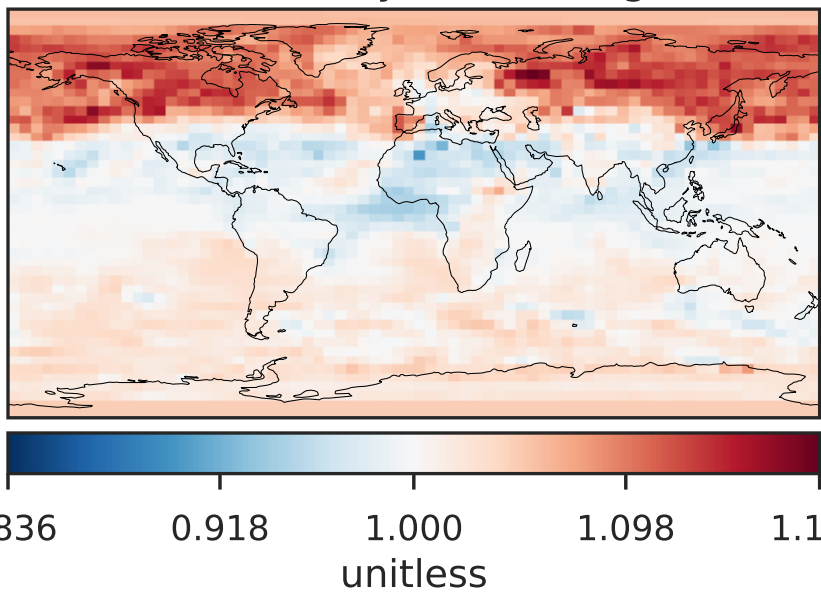
Difference
Dev - Ref, Dynamic Range



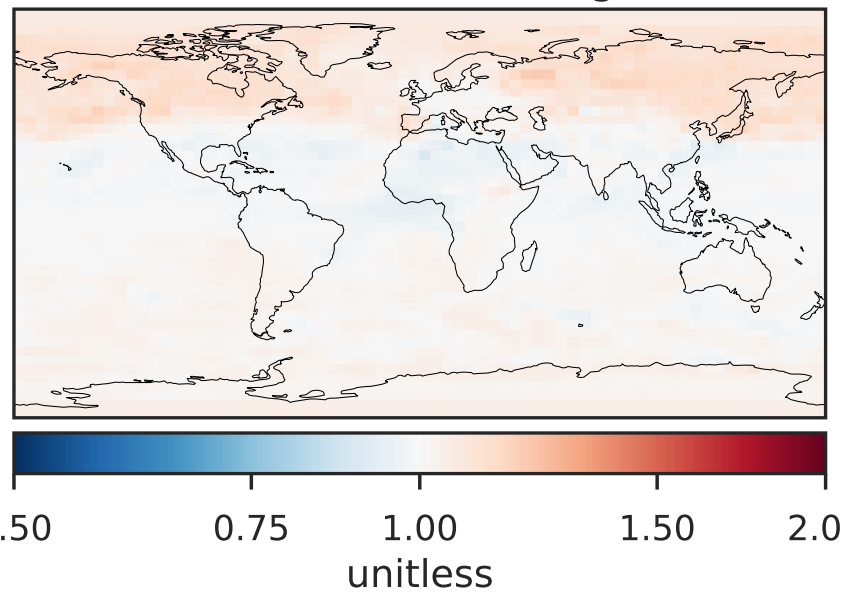
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

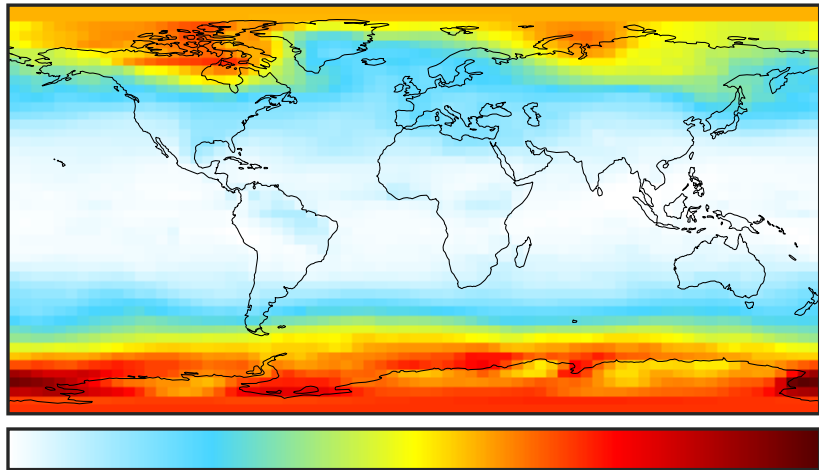


Ratio
Dev/Ref, Fixed Range



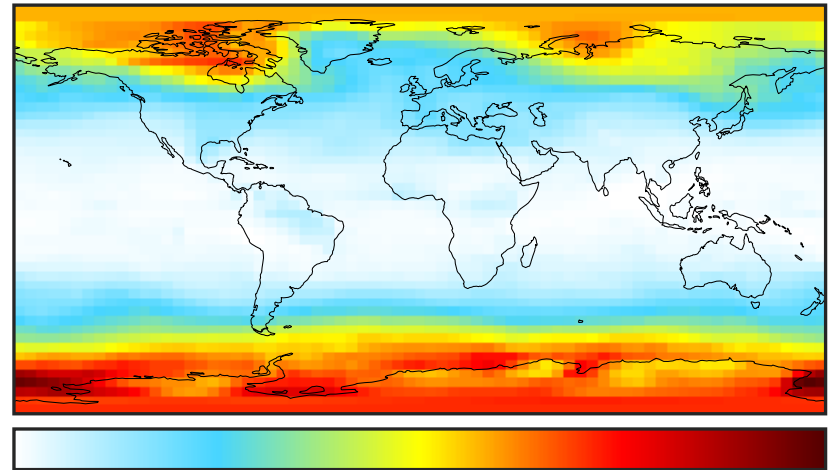
SpeciesConcVV_ISALA (Apr2019)

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



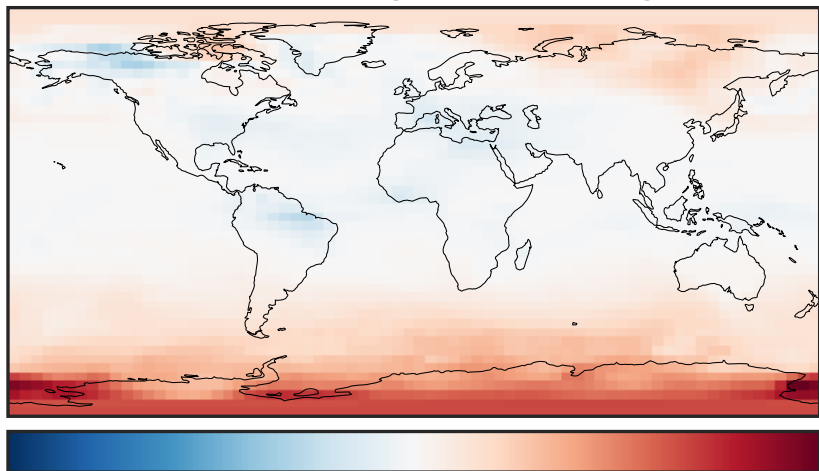
0.00004 0.00008 0.00012
 $\mu\text{g}/\text{m}^3$

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



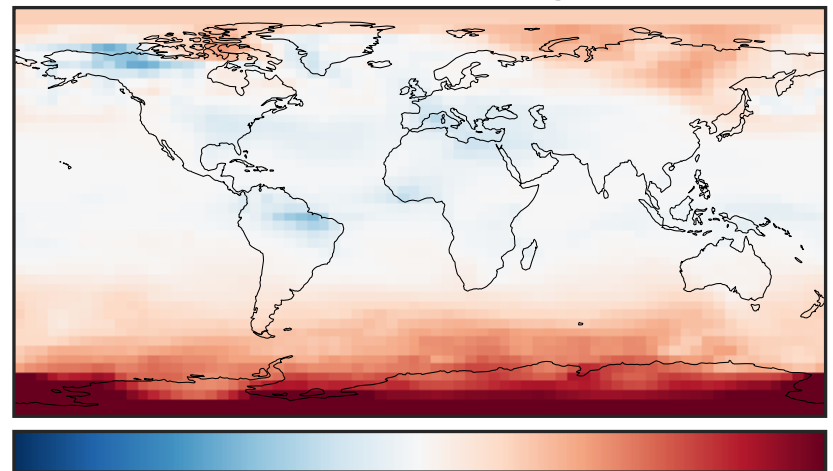
0.00004 0.00008 0.00012
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



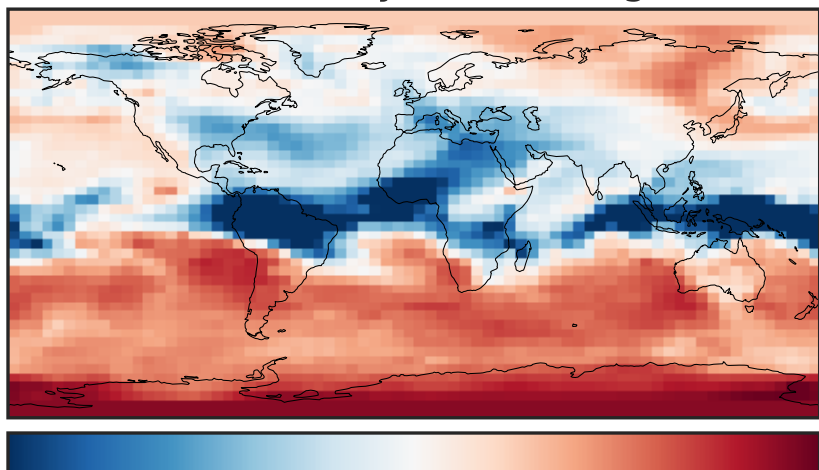
-8 0 8
 $\mu\text{g}/\text{m}^3$ $1\text{e}-7$

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



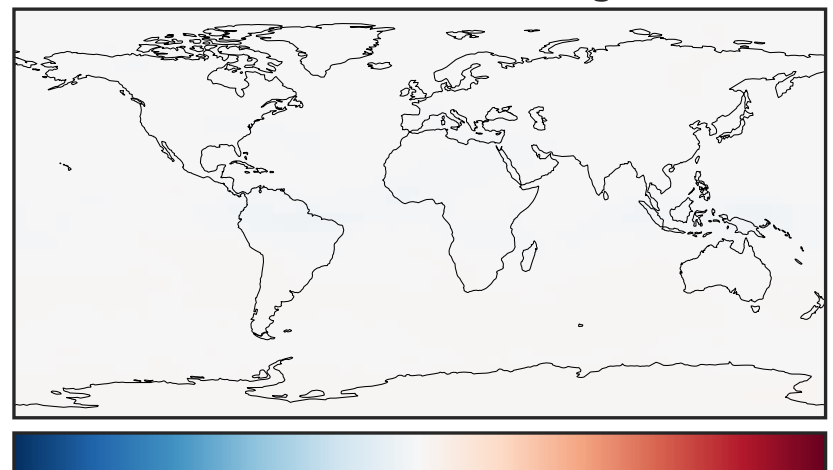
-5 0 5
 $\mu\text{g}/\text{m}^3$ $1\text{e}-7$

Ratio
Dev/Ref, Dynamic Range



0.98889 0.99445 1.00000 1.00562 1.01123
unitless

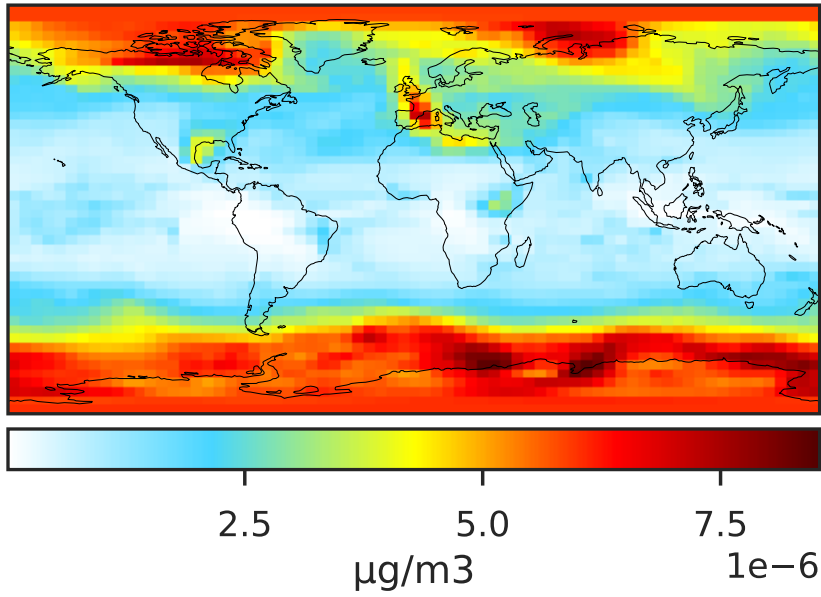
Ratio
Dev/Ref, Fixed Range



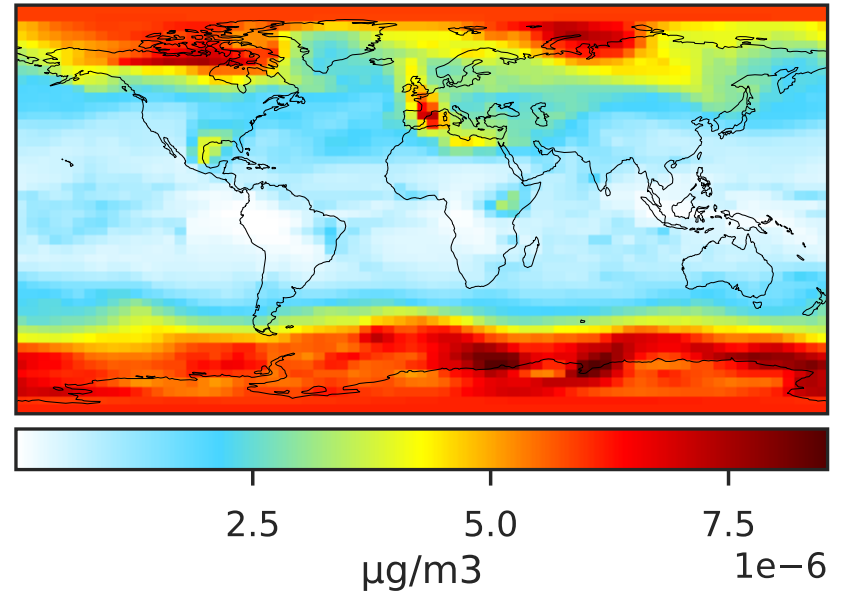
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ISALC (Apr2019)

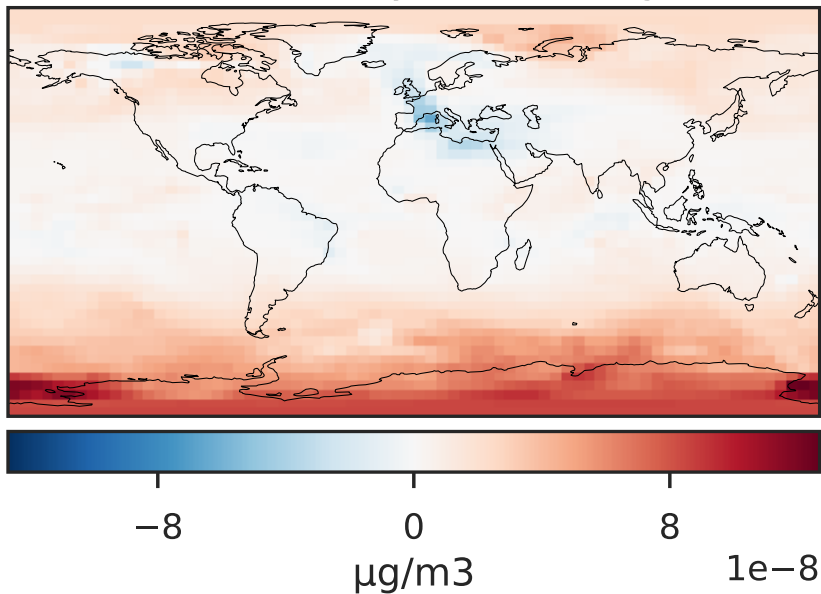
14.2.0-rc.2 (Ref)
4.0x5.0



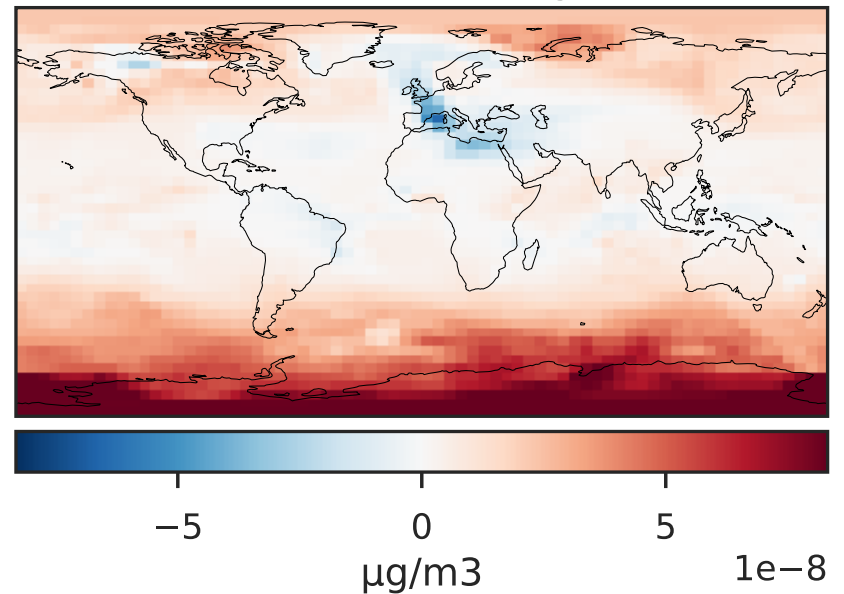
14.3.0-rc.0 (Dev)
4.0x5.0



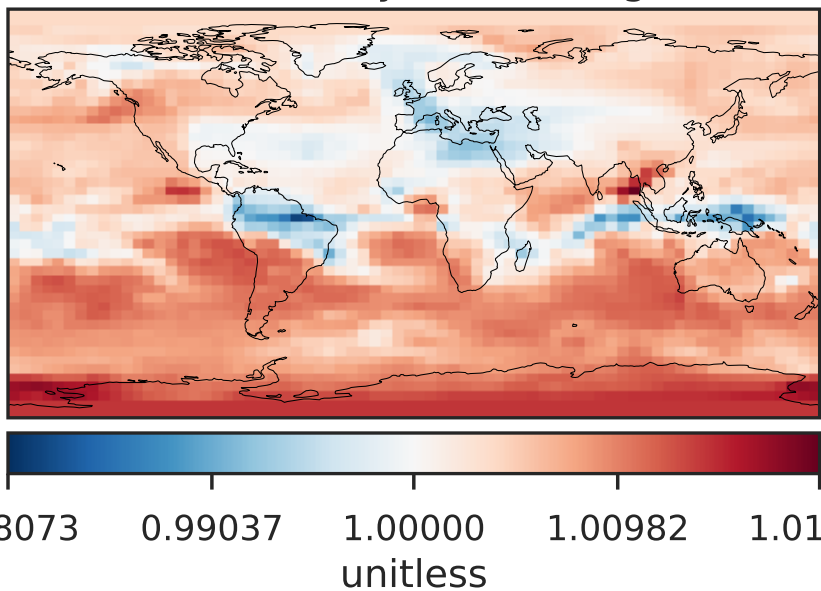
Difference
Dev - Ref, Dynamic Range



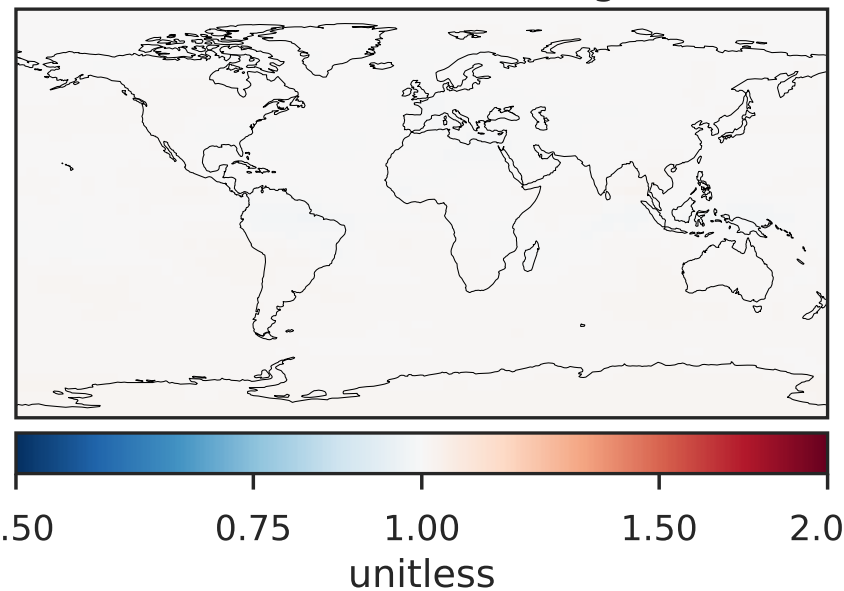
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

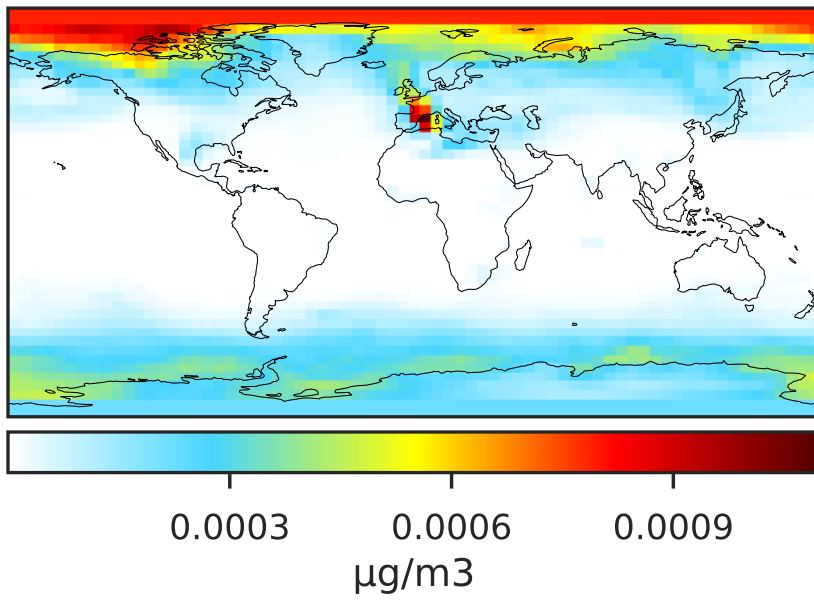


Ratio
Dev/Ref, Fixed Range

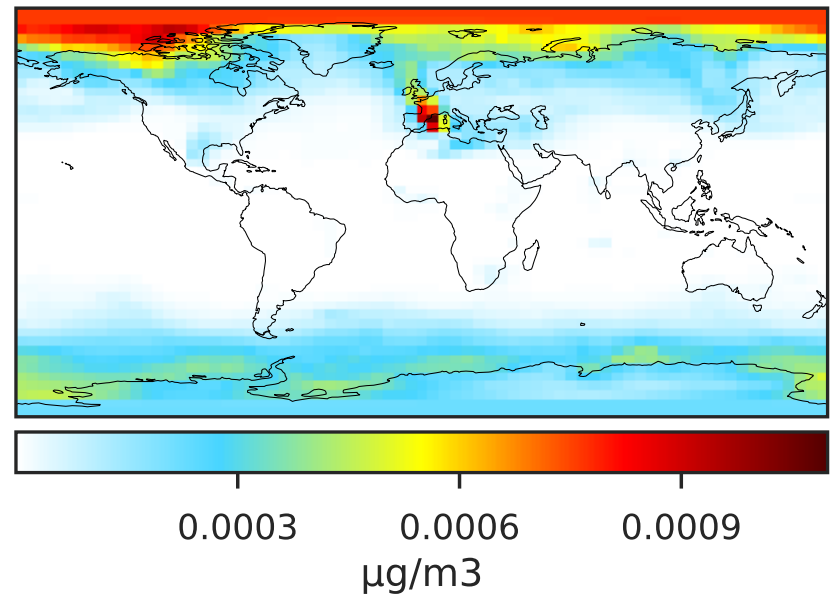


SpeciesConcVV_NITs (Apr2019)

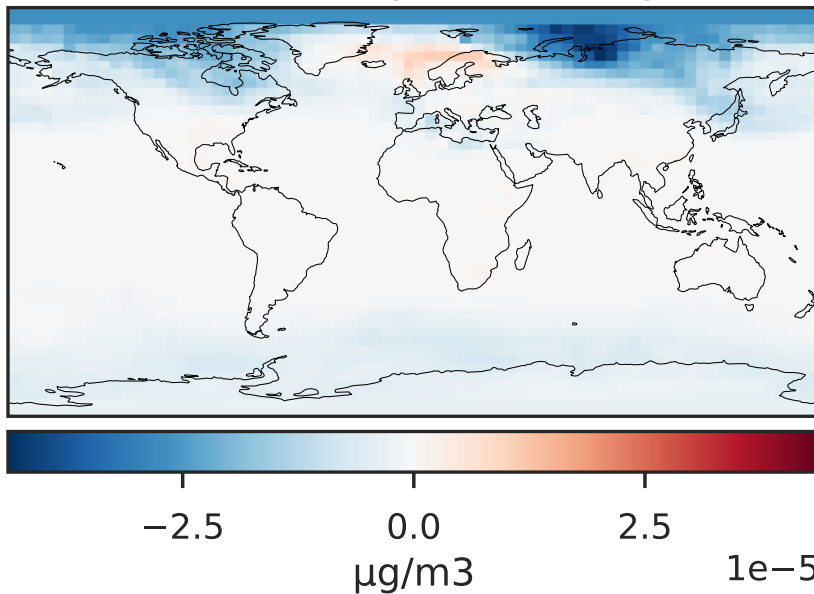
14.2.0-rc.2 (Ref)
4.0x5.0



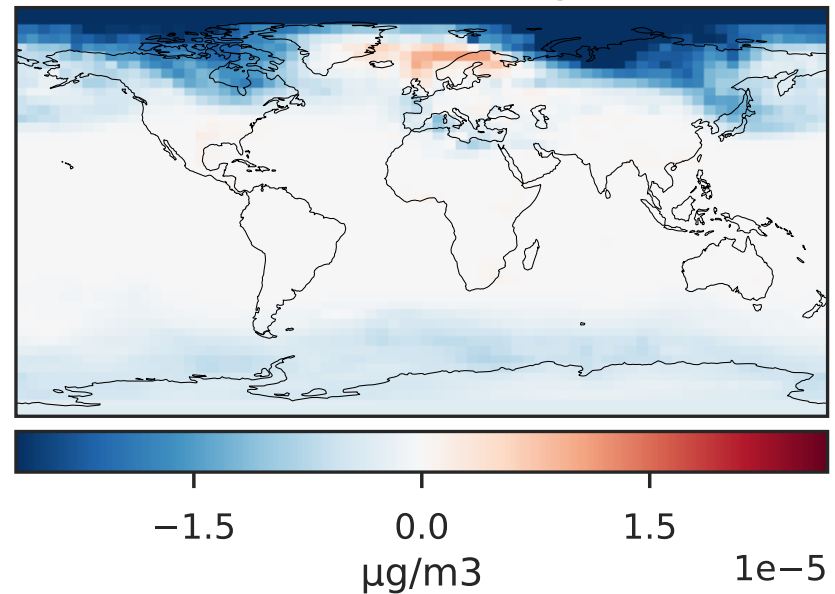
14.3.0-rc.0 (Dev)
4.0x5.0



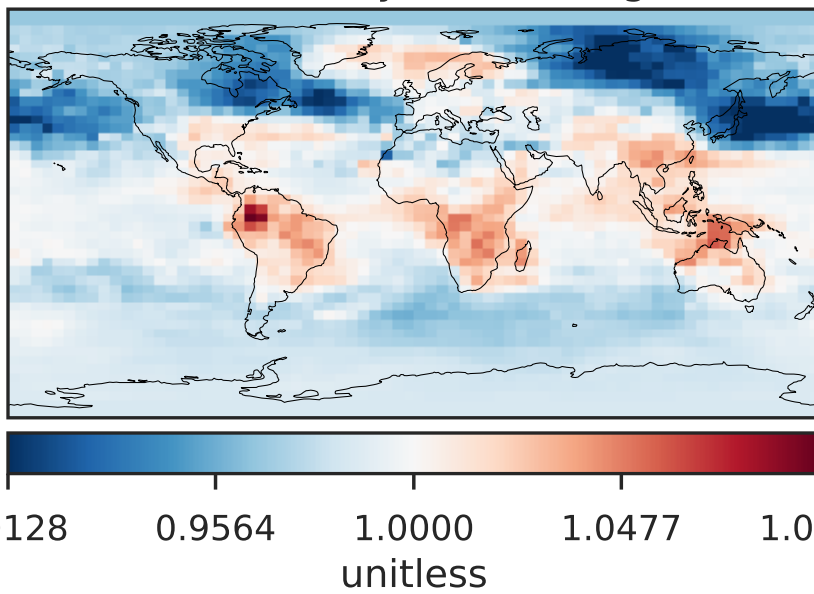
Difference
Dev - Ref, Dynamic Range



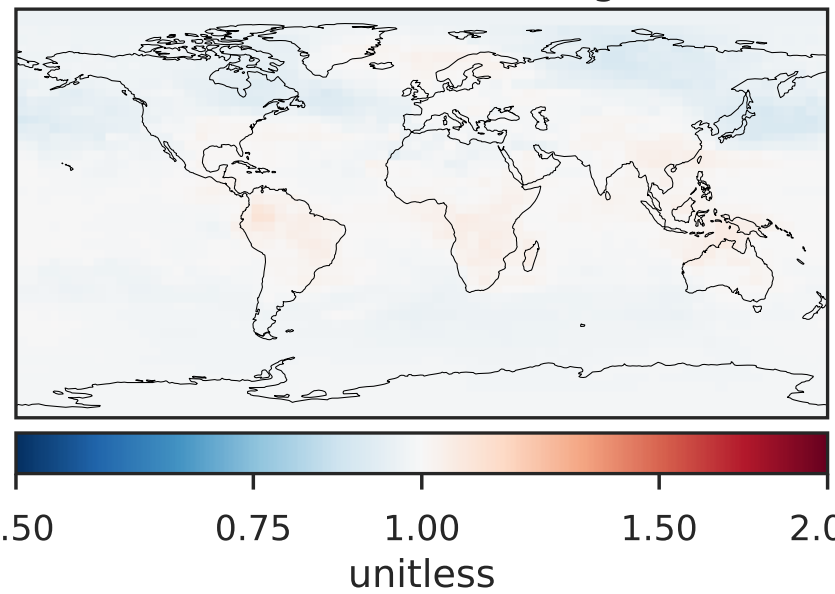
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

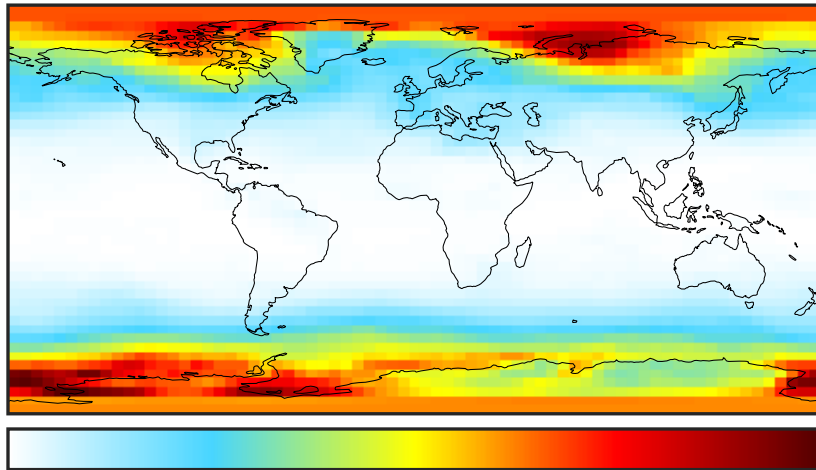


Ratio
Dev/Ref, Fixed Range



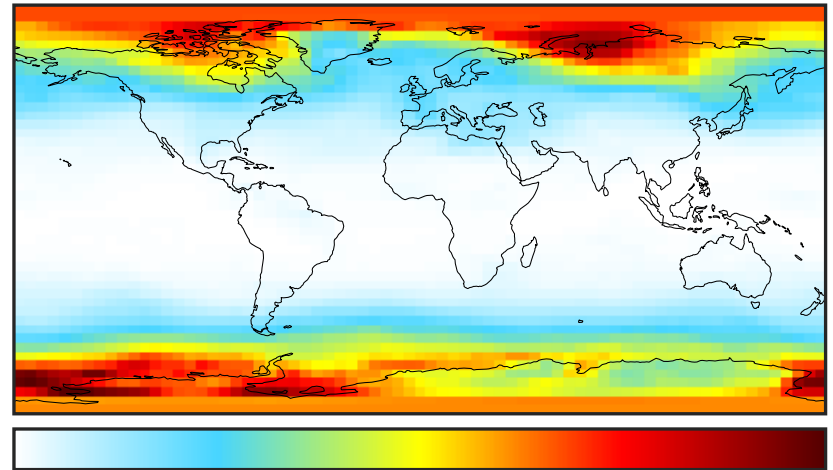
SpeciesConcVV_SALA (Apr2019)

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



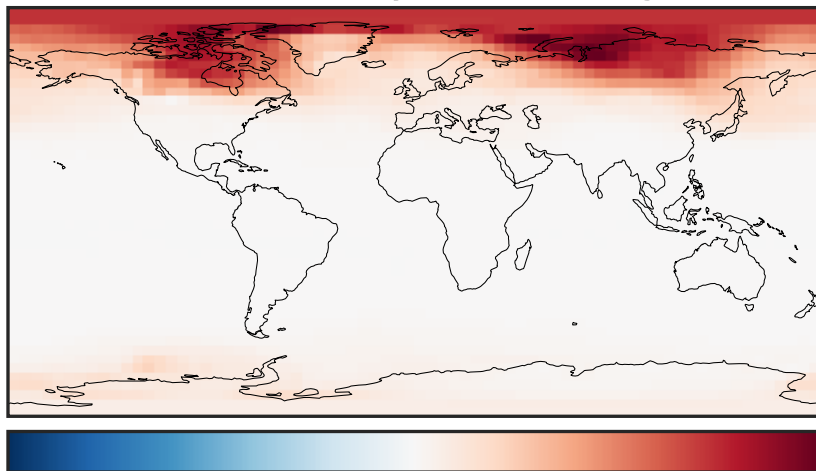
0.015 0.030
 $\mu\text{g}/\text{m}^3$

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



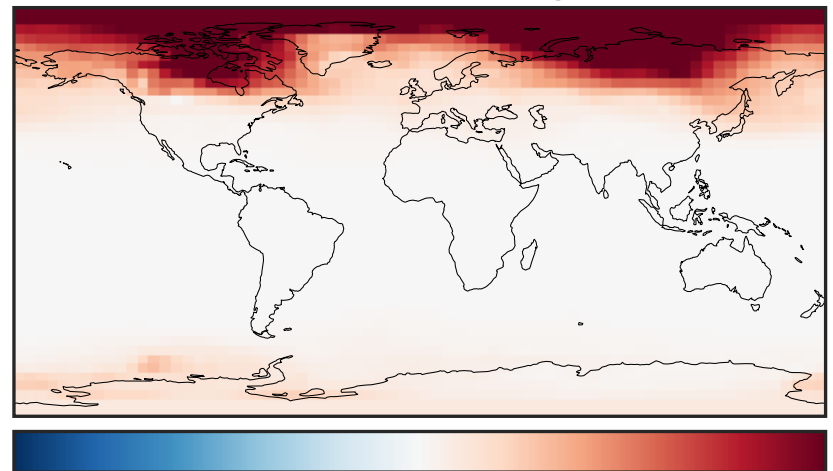
0.015 0.030
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



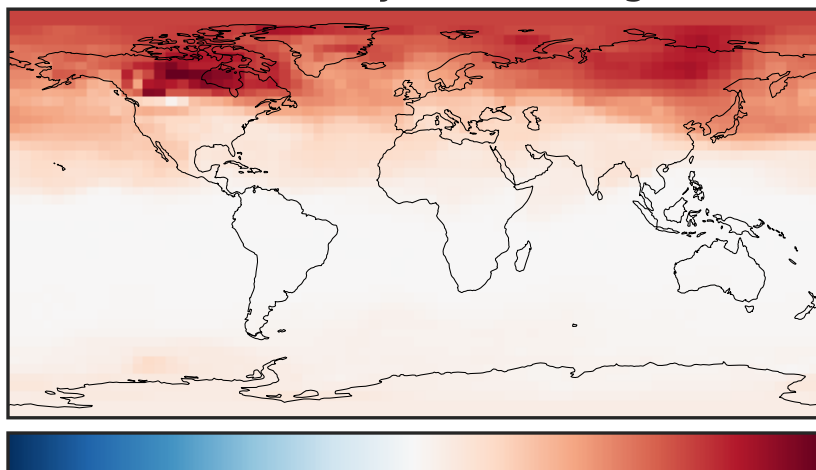
-0.00015 0.00000 0.00015
 $\mu\text{g}/\text{m}^3$

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



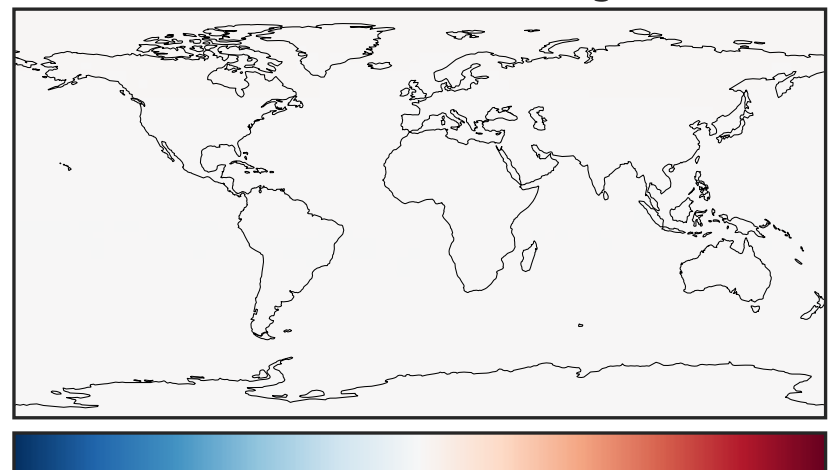
-0.00015 0.00000 0.00015
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



0.98957 0.99479 1.00000 1.00527 1.01054
unitless

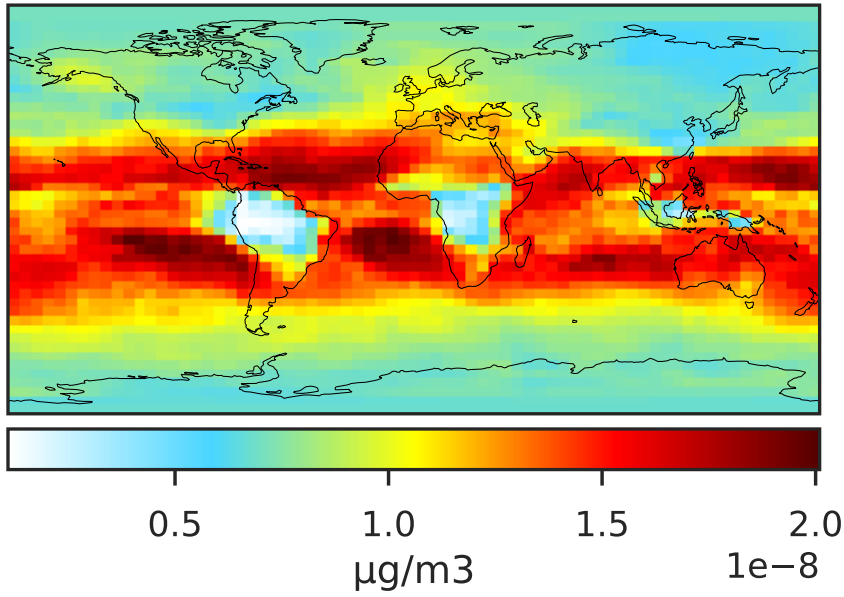
Ratio
Dev/Ref, Fixed Range



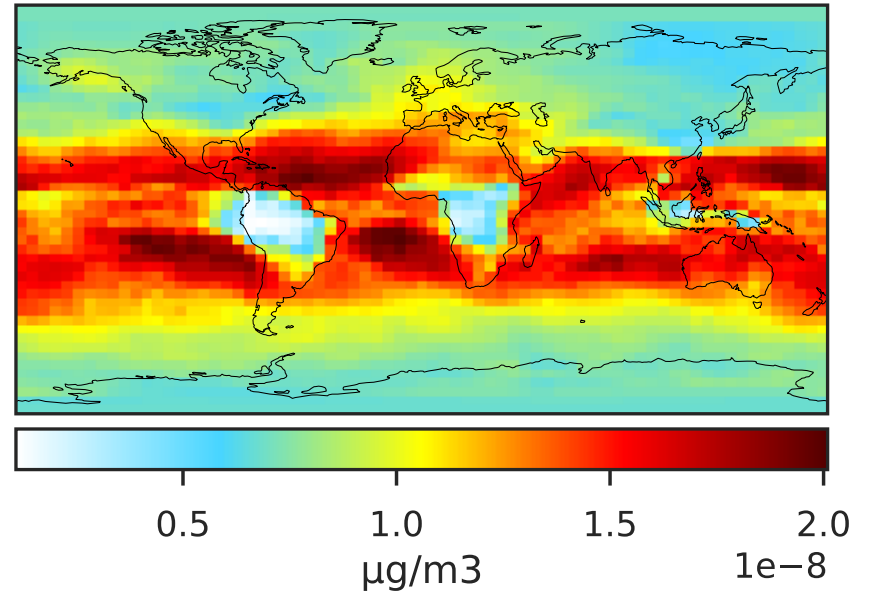
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SALAAL (Apr2019)

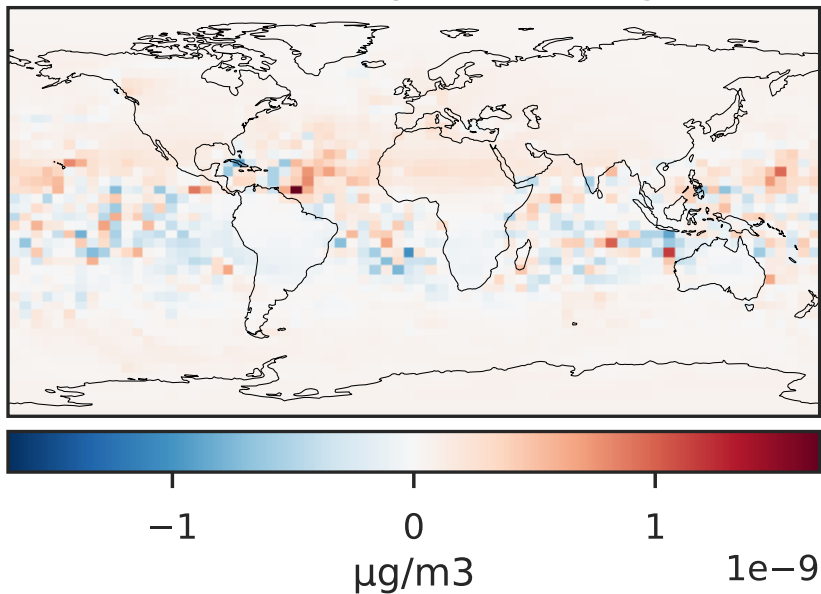
14.2.0-rc.2 (Ref)
4.0x5.0



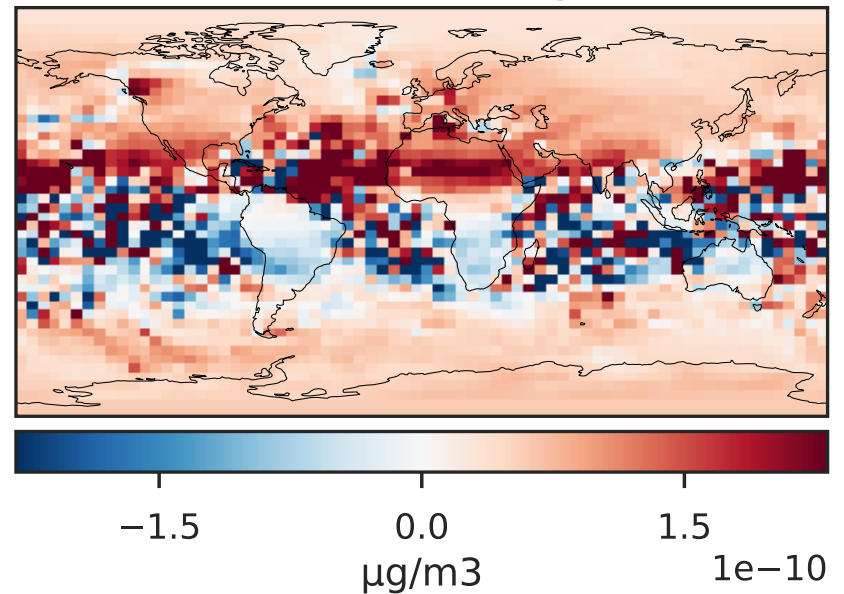
14.3.0-rc.0 (Dev)
4.0x5.0



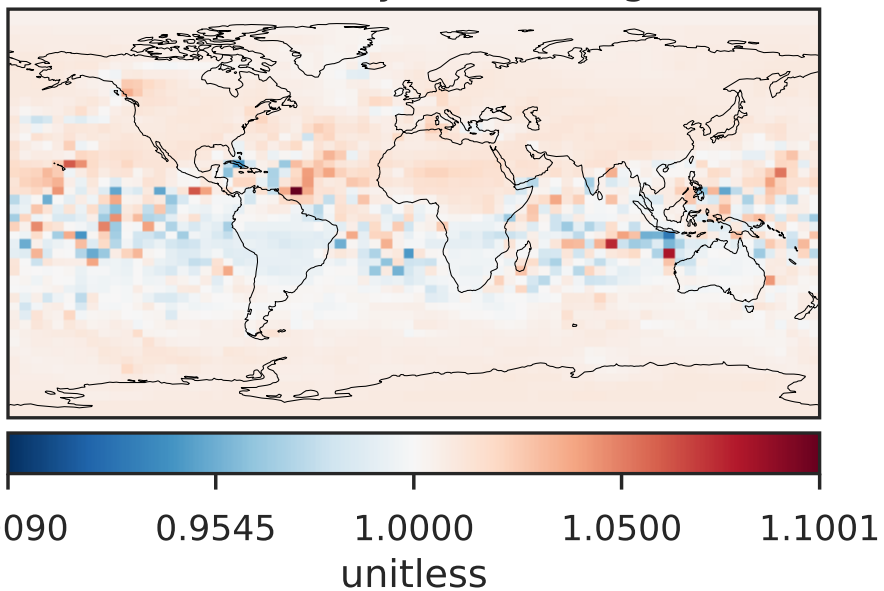
Difference
Dev - Ref, Dynamic Range



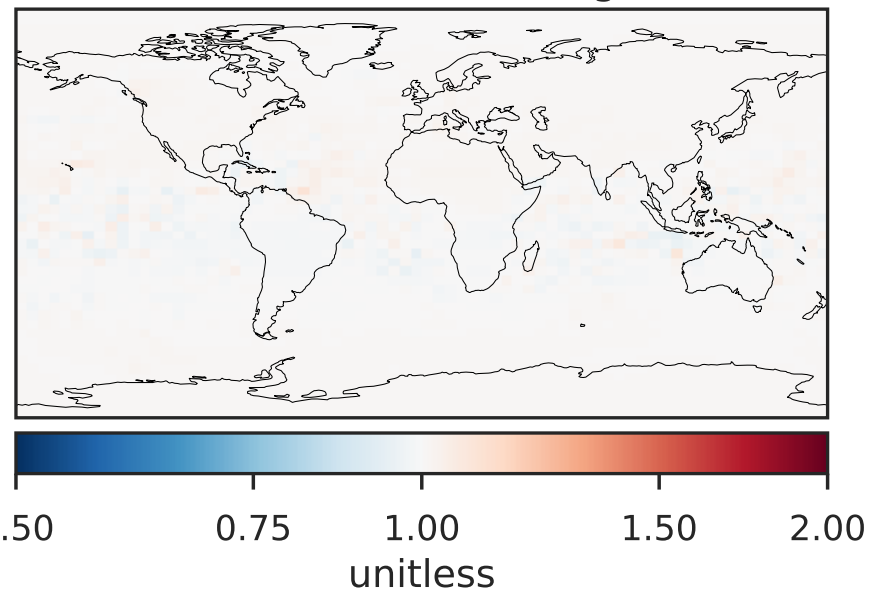
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

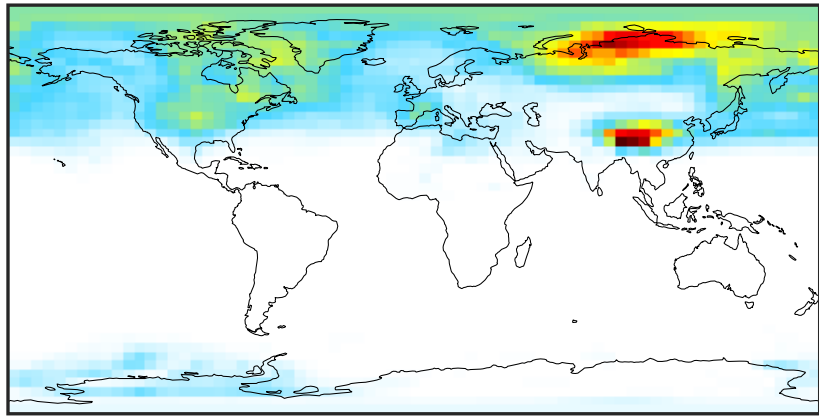


Ratio
Dev/Ref, Fixed Range



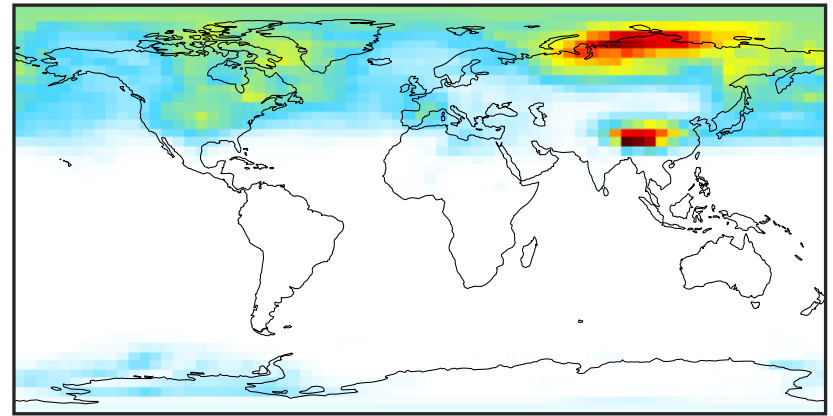
SpeciesConcVV_SALACL (Apr2019)

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



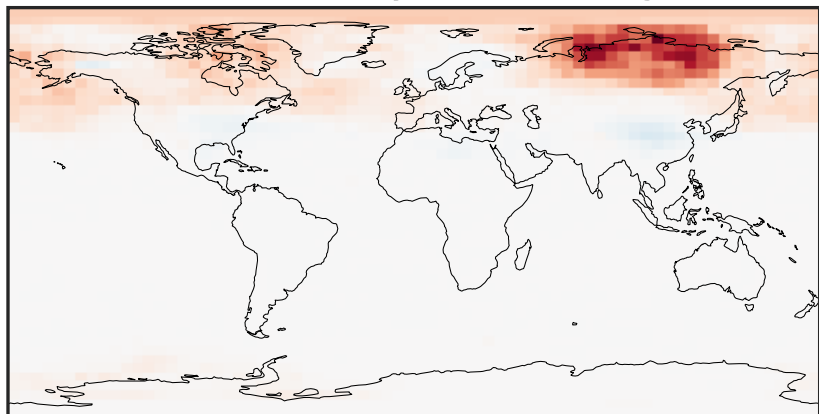
0.000 0.005 0.010 0.015
 $\mu\text{g}/\text{m}^3$

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



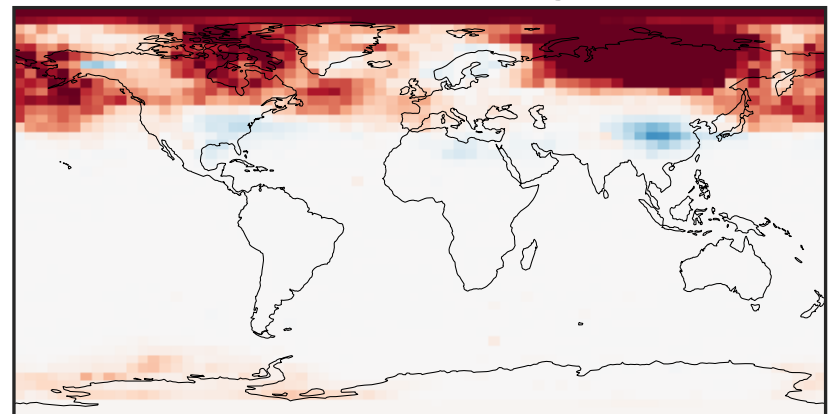
0.000 0.005 0.010 0.015
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



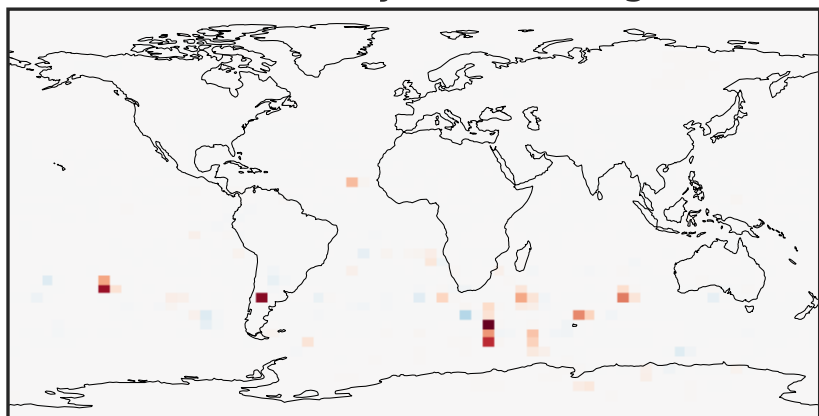
-0.0005 0.0000 0.0005
 $\mu\text{g}/\text{m}^3$

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



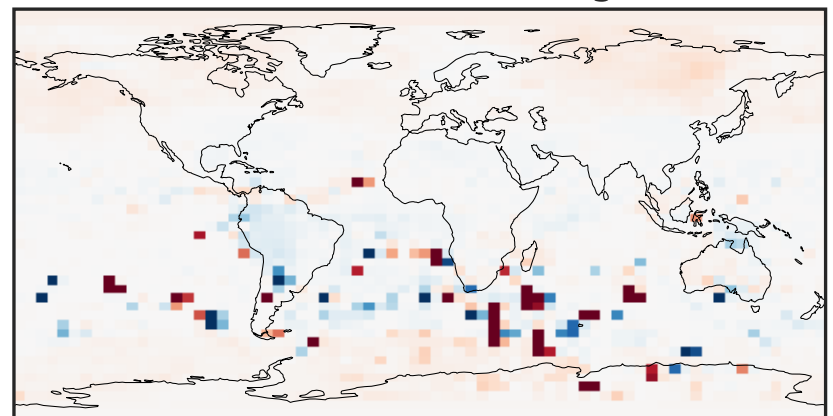
-0.00015 0.00000 0.00015
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



unitless

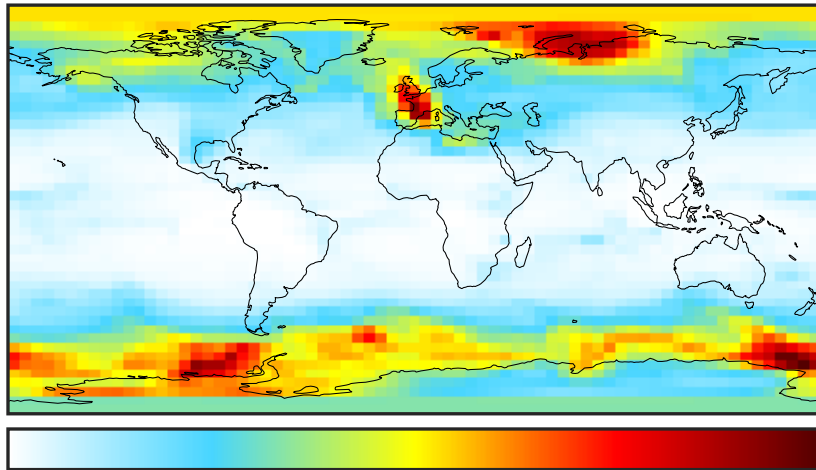
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

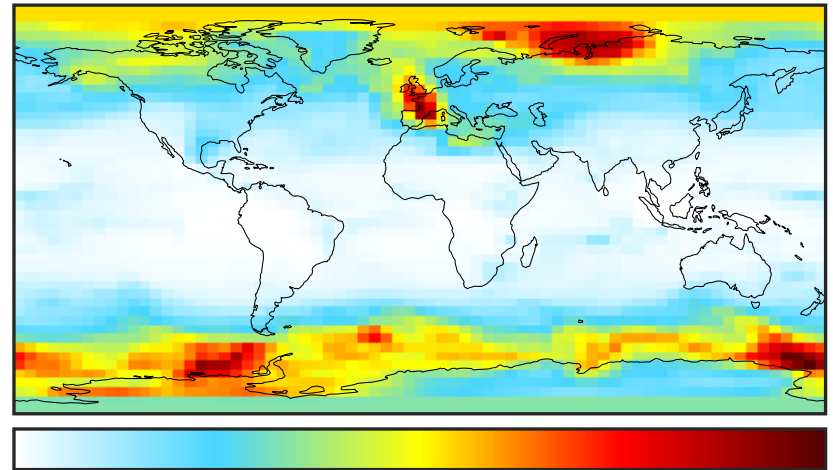
SpeciesConcVV_SALC (Apr2019)

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



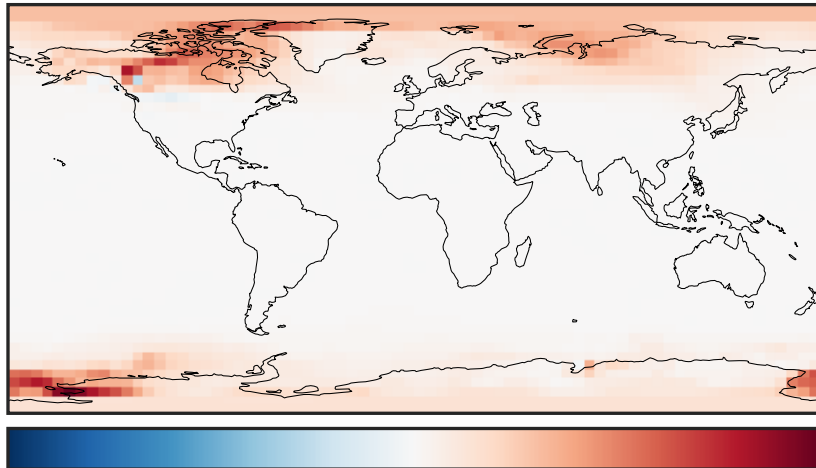
0.015 0.030
 $\mu\text{g}/\text{m}^3$

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



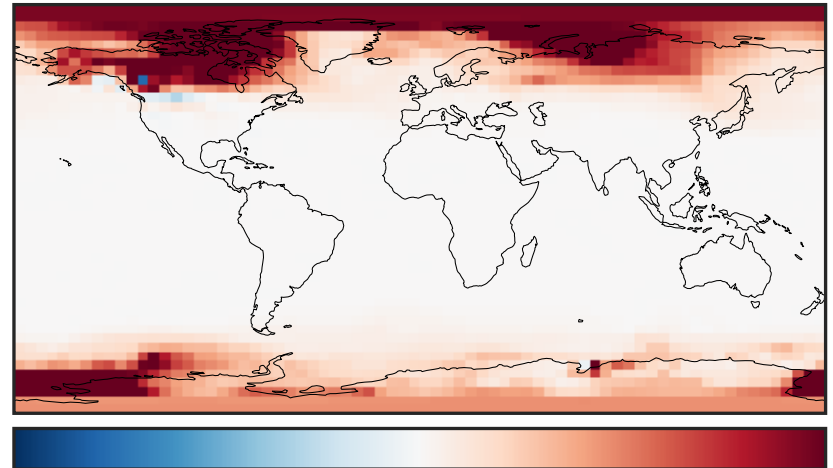
0.015 0.030
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



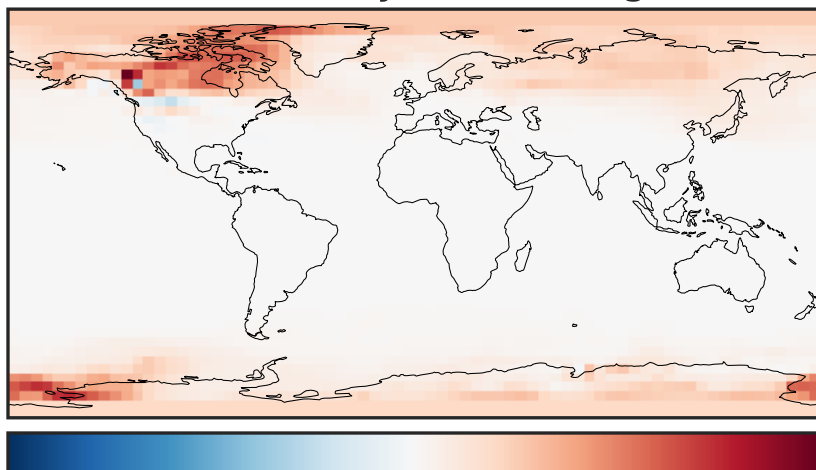
-0.0001 0.0000 0.0001
 $\mu\text{g}/\text{m}^3$

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



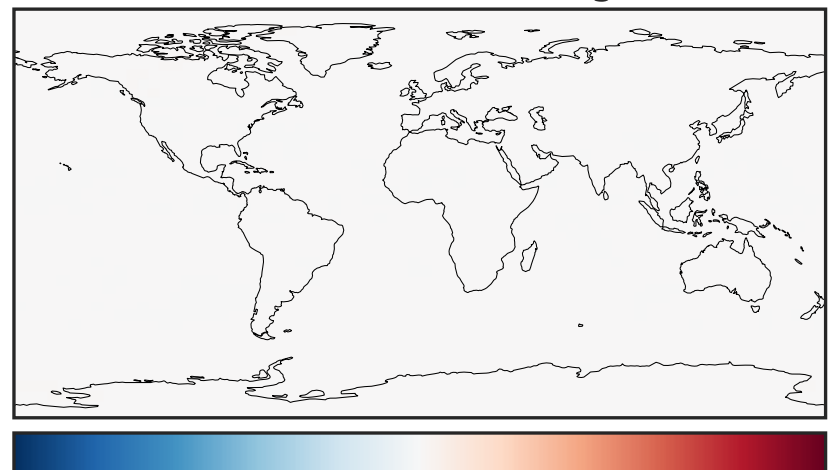
-4 0 4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

Ratio
Dev/Ref, Dynamic Range



0.99062 0.99531 1.00000 1.00474 1.00947
unitless

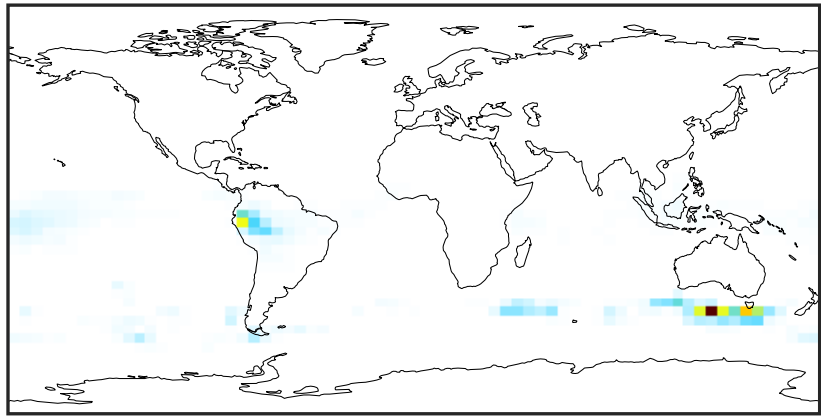
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

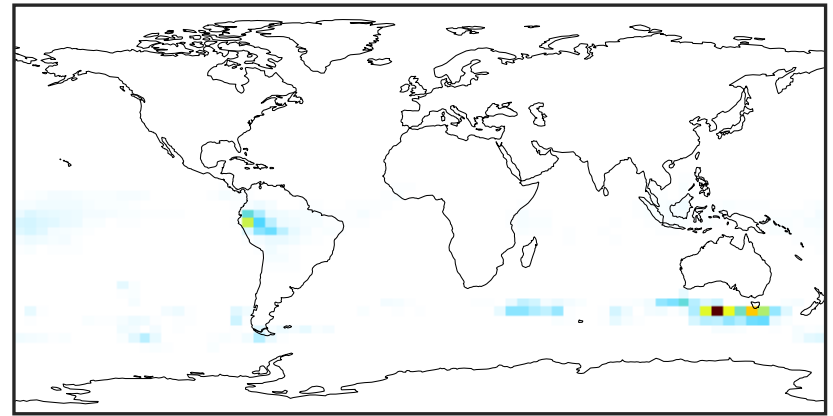
SpeciesConcVV_SALCAL (Apr2019)

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



0.8 1.6 2.4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

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



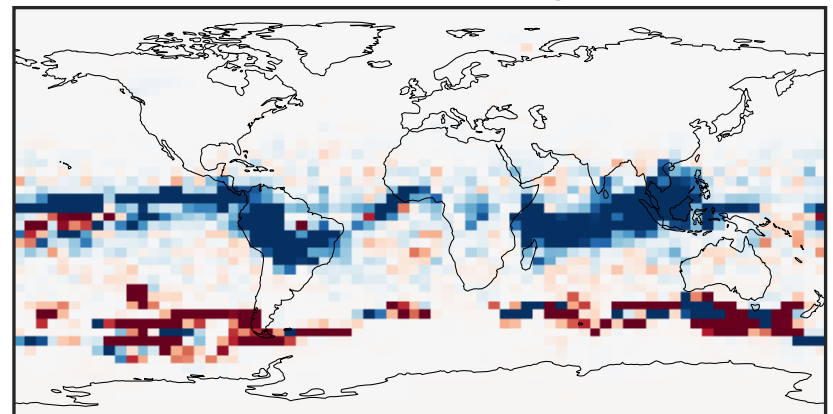
0.8 1.6 2.4
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

Difference
Dev - Ref, Dynamic Range



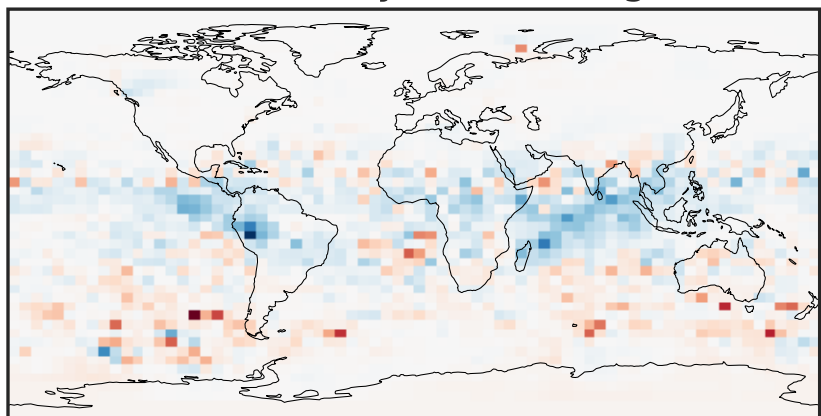
-8 0 8
 $\mu\text{g}/\text{m}^3$ $1\text{e}-7$

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



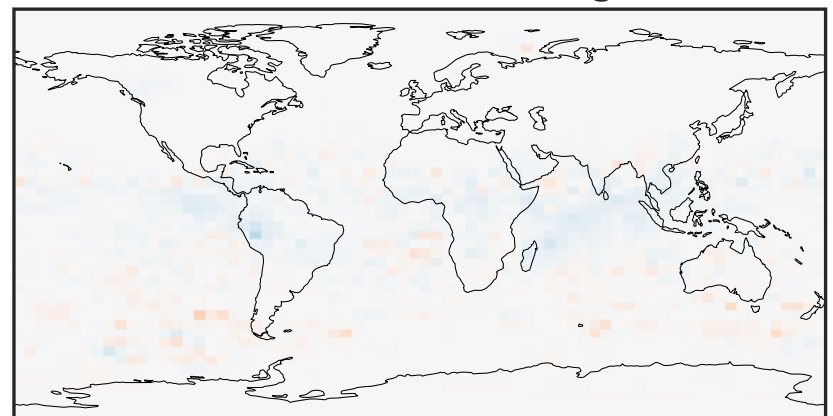
-2 0 2
 $\mu\text{g}/\text{m}^3$ $1\text{e}-9$

Ratio
Dev/Ref, Dynamic Range



0.8465 0.9232 1.0000 1.0907 1.1813
unitless

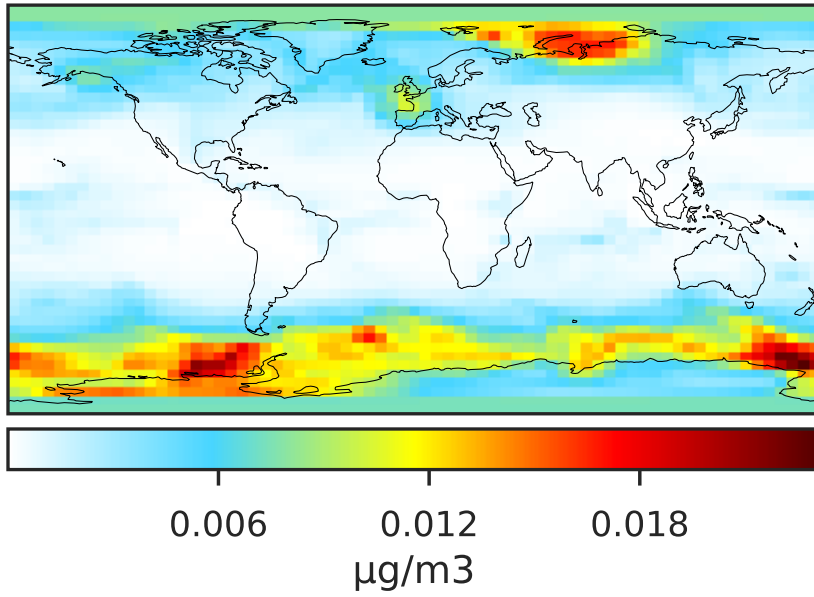
Ratio
Dev/Ref, Fixed Range



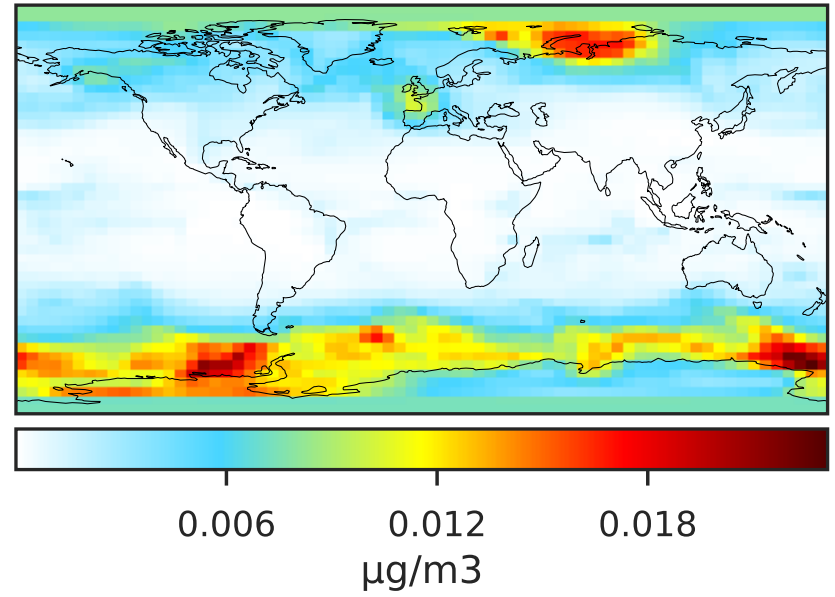
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SALCCL (Apr2019)

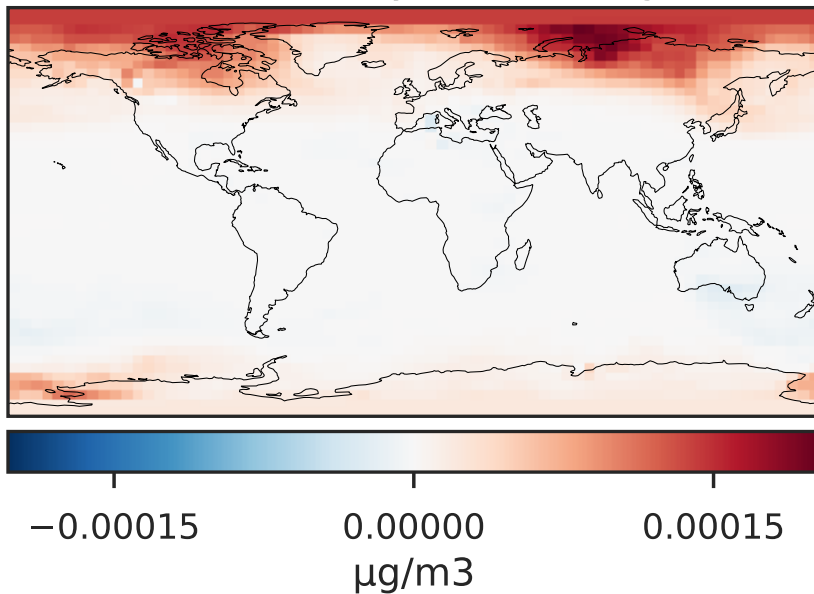
14.2.0-rc.2 (Ref)
4.0x5.0



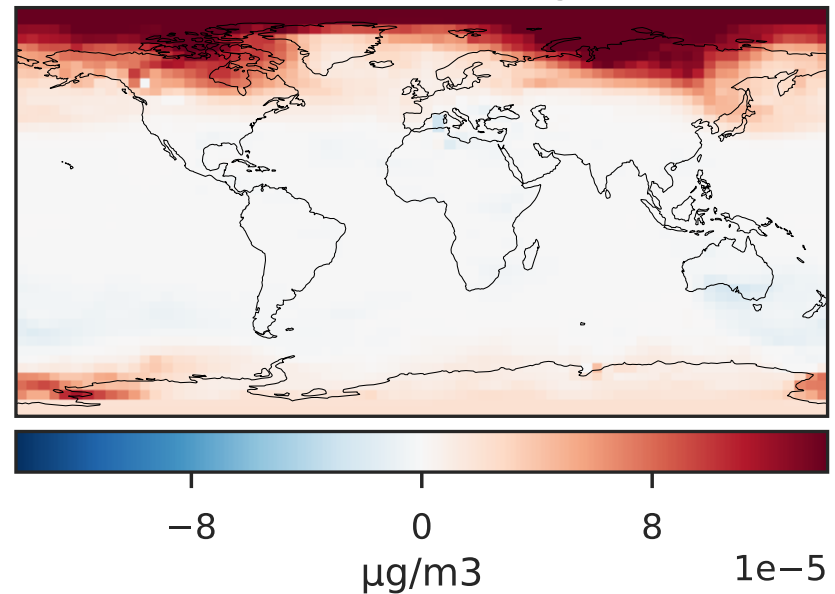
14.3.0-rc.0 (Dev)
4.0x5.0



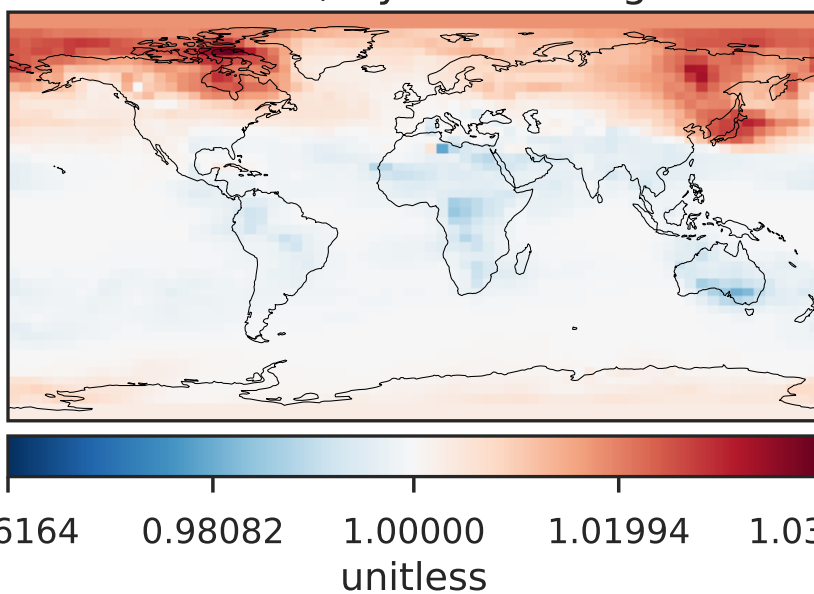
Difference
Dev - Ref, Dynamic Range



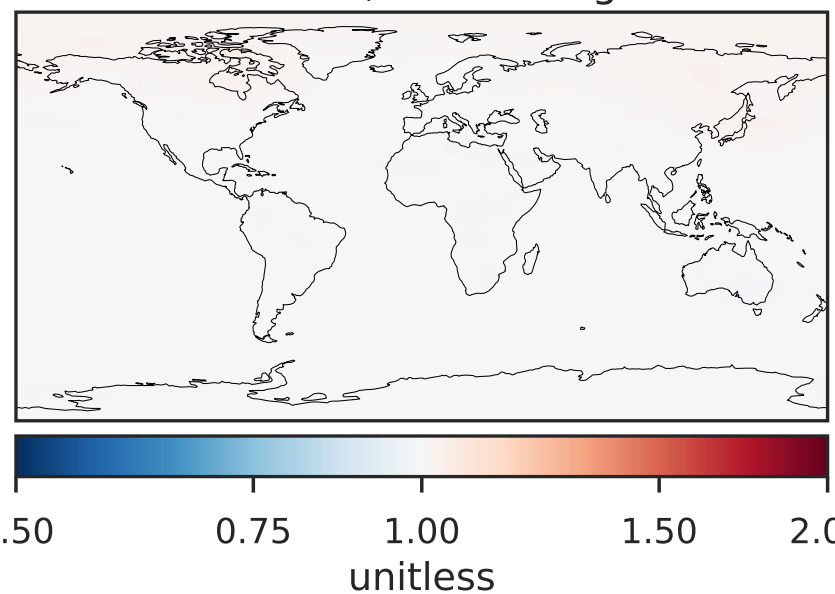
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

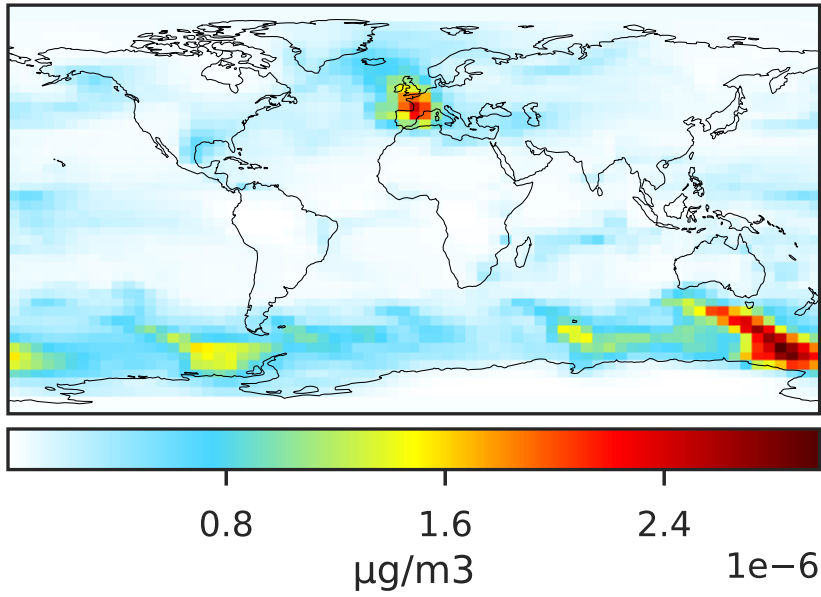


Ratio
Dev/Ref, Fixed Range

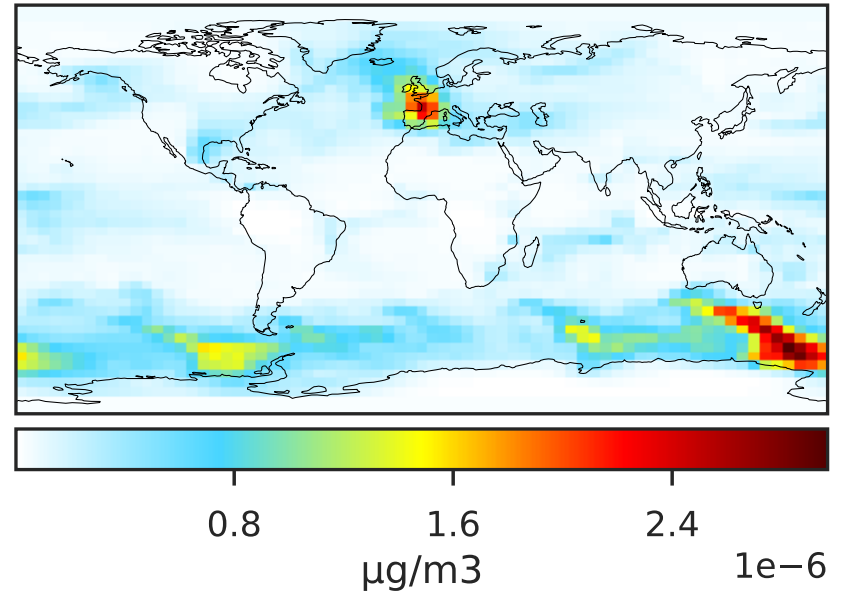


SpeciesConcVV_SO4s (Apr2019)

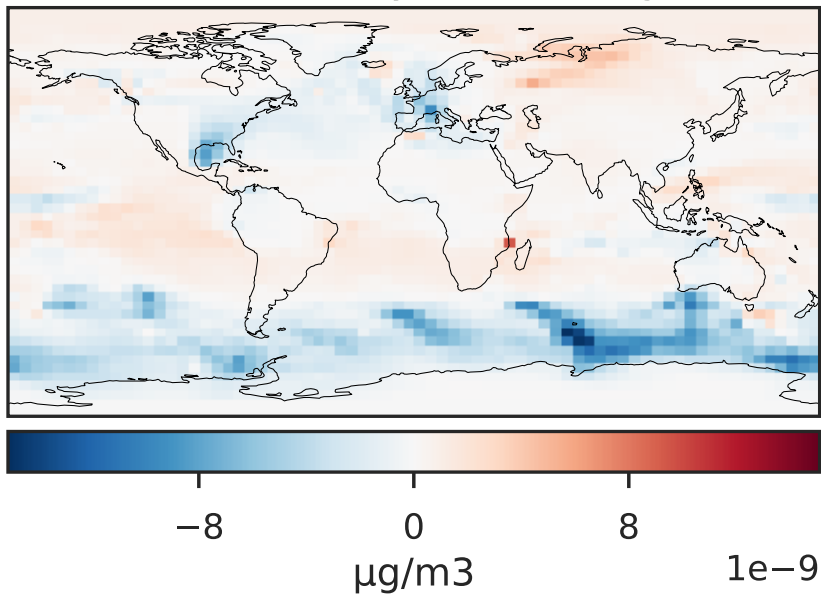
14.2.0-rc.2 (Ref)
4.0x5.0



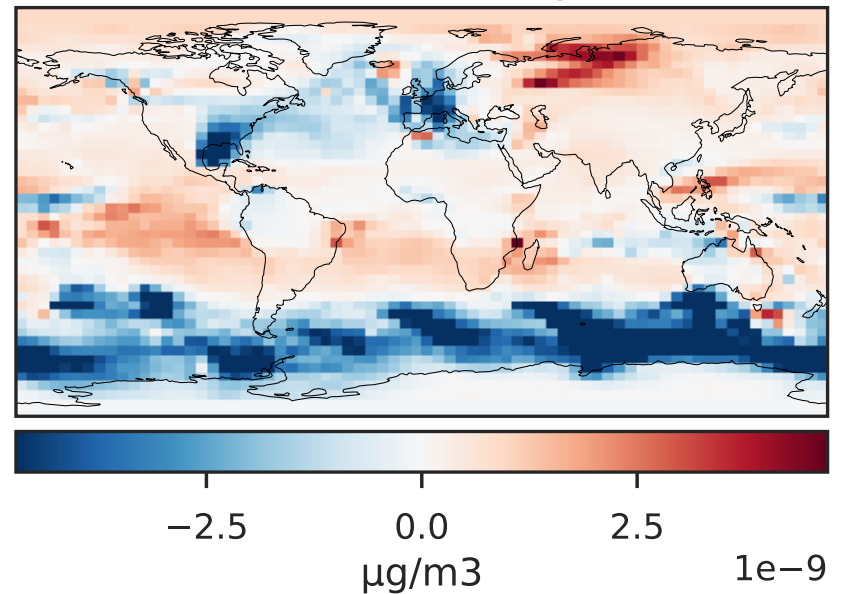
14.3.0-rc.0 (Dev)
4.0x5.0



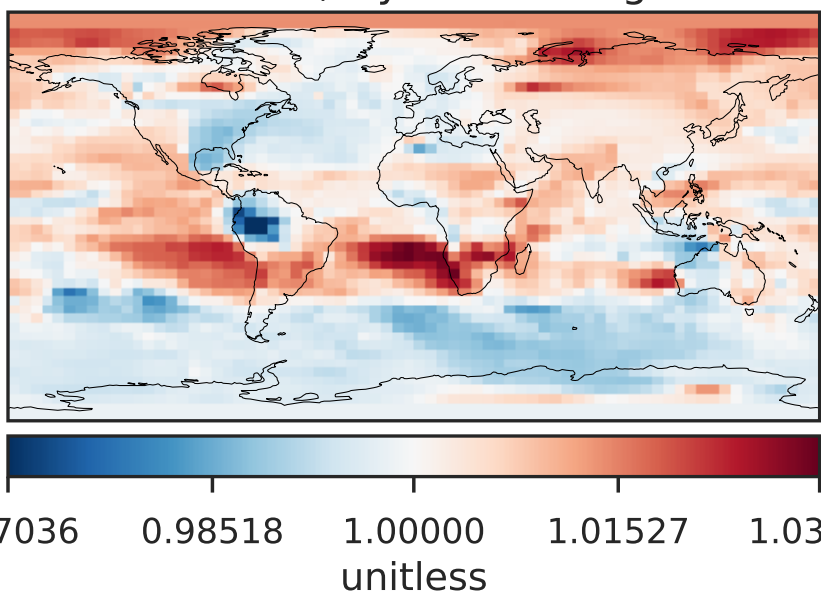
Difference
Dev - Ref, Dynamic Range



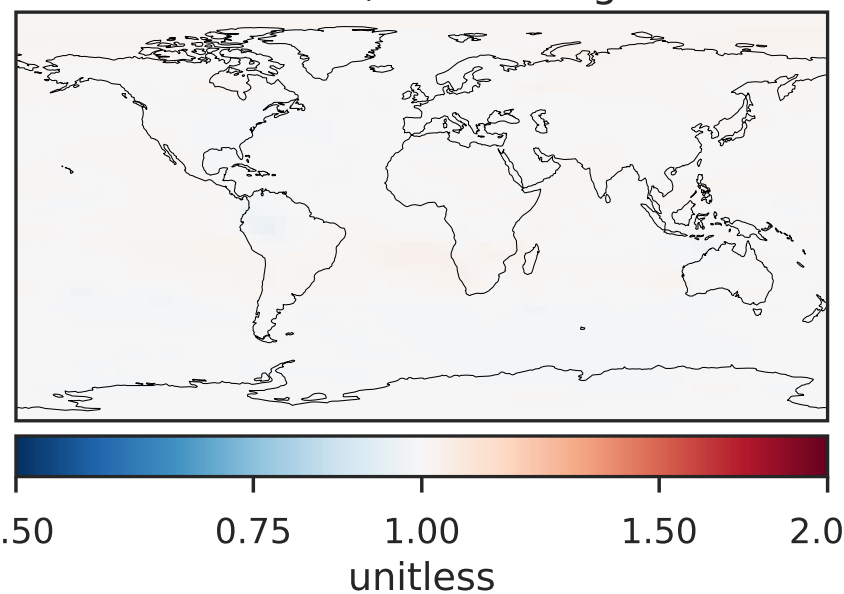
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

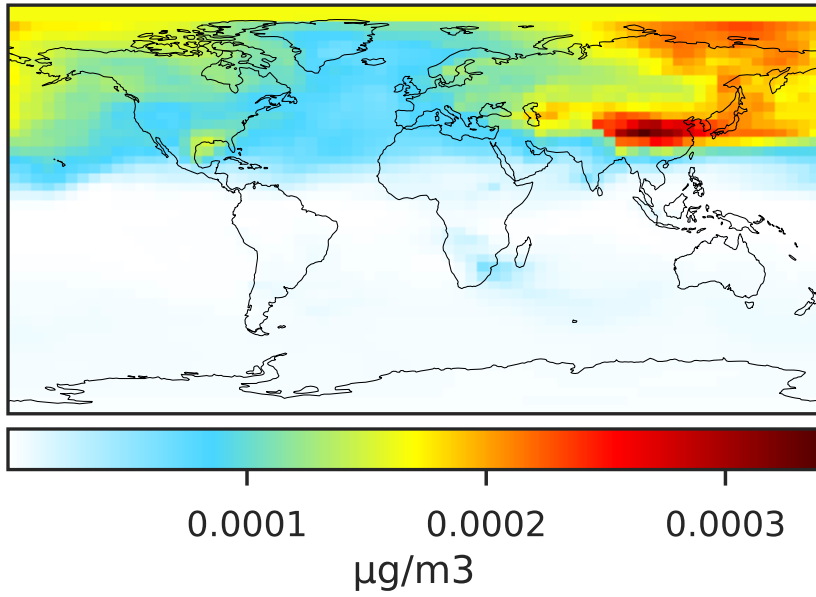


Ratio
Dev/Ref, Fixed Range

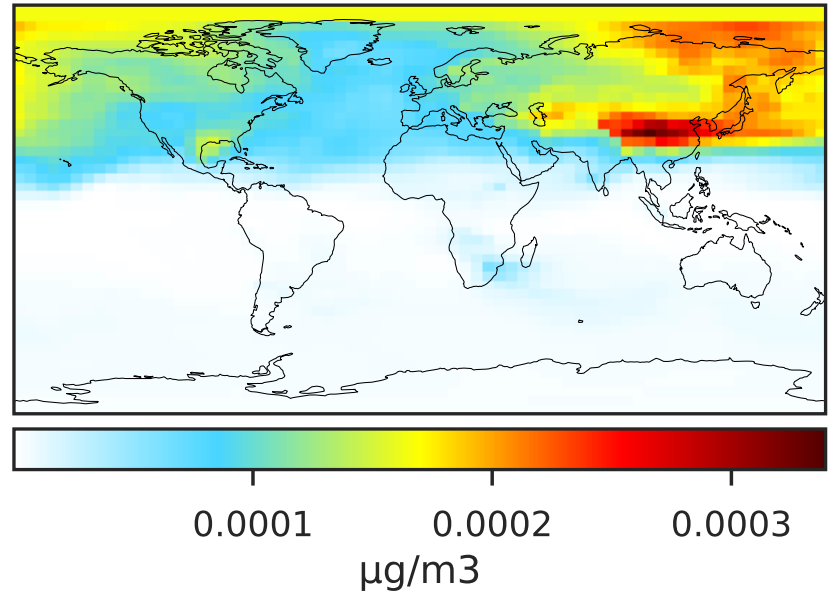


SpeciesConcVV_pFe (Apr2019)

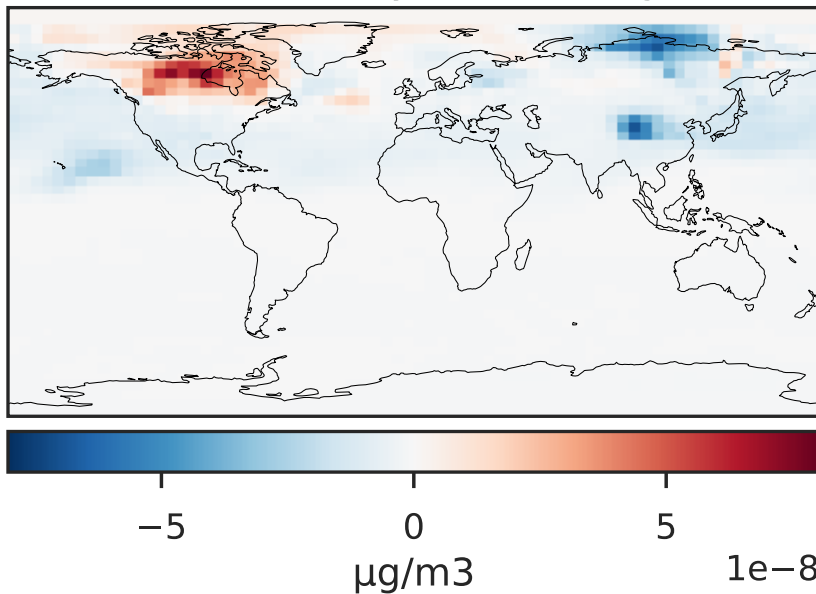
14.2.0-rc.2 (Ref)
4.0x5.0



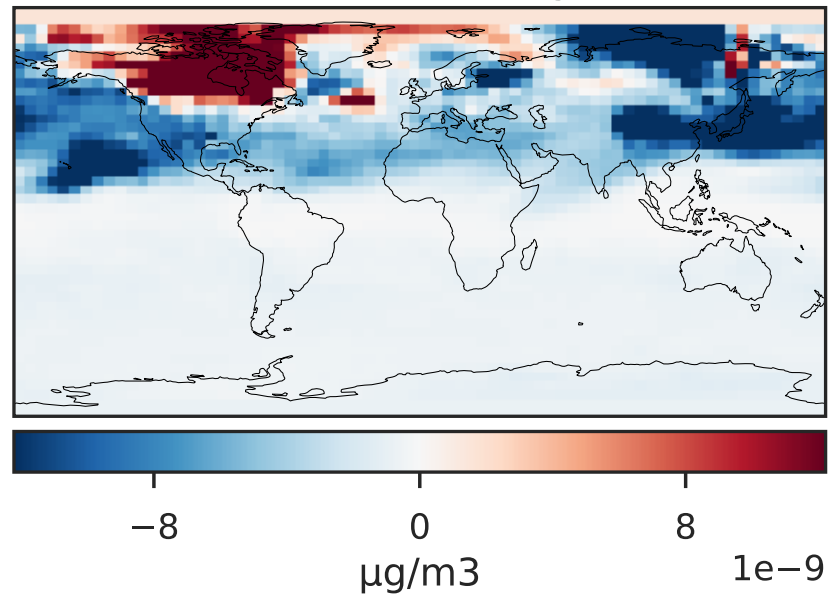
14.3.0-rc.0 (Dev)
4.0x5.0



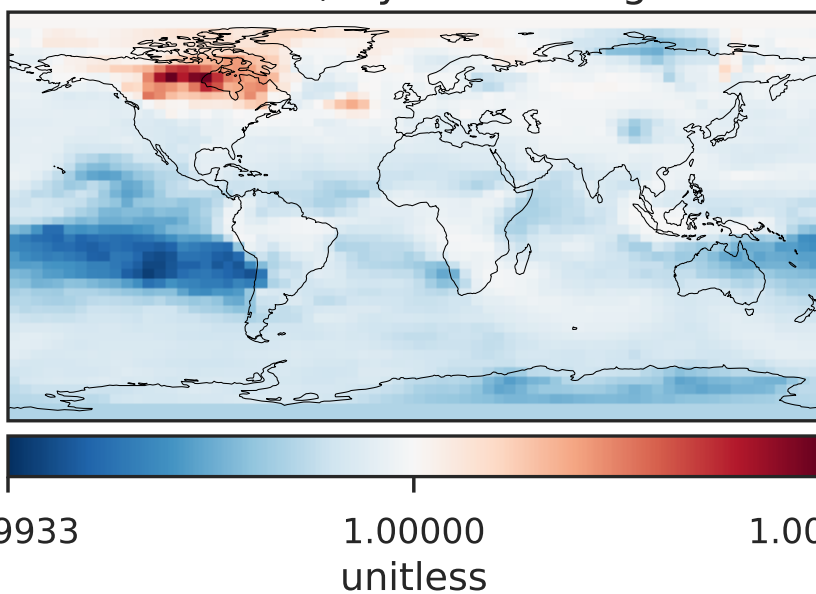
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

