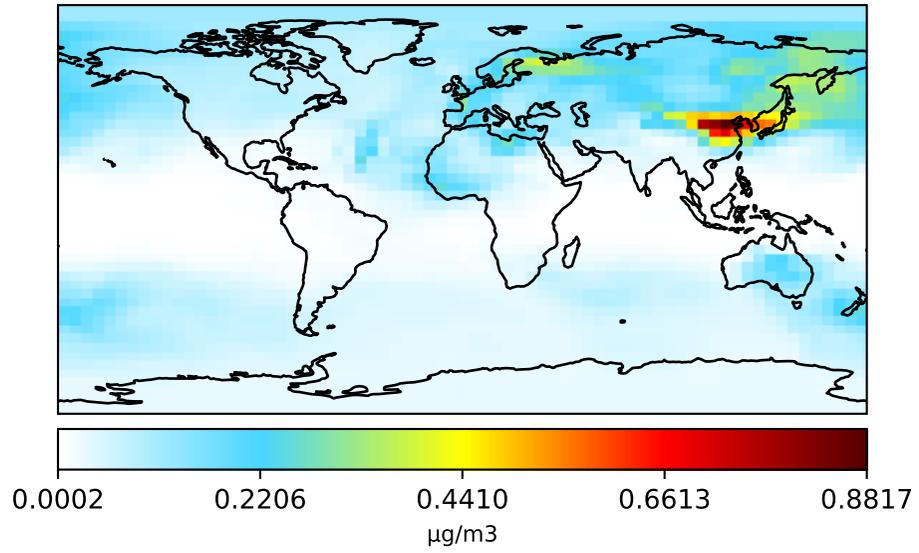
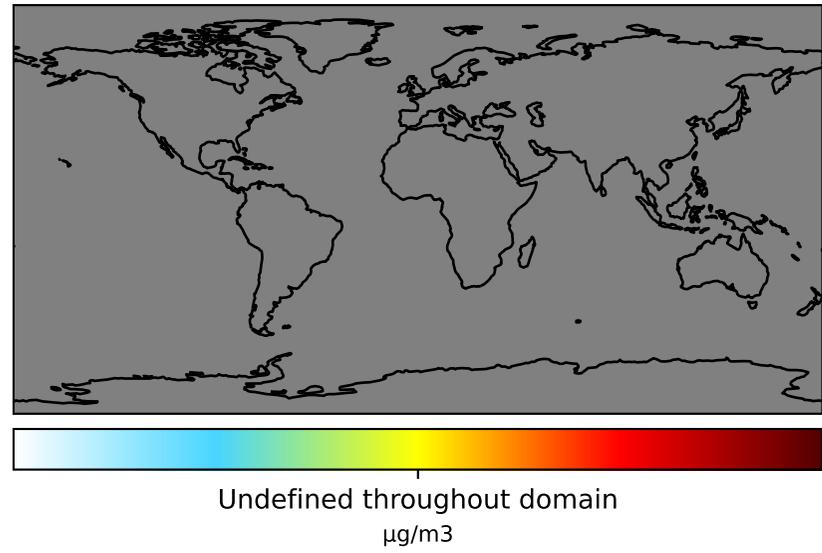


SpeciesConcVW_DST1 (Oct2019)

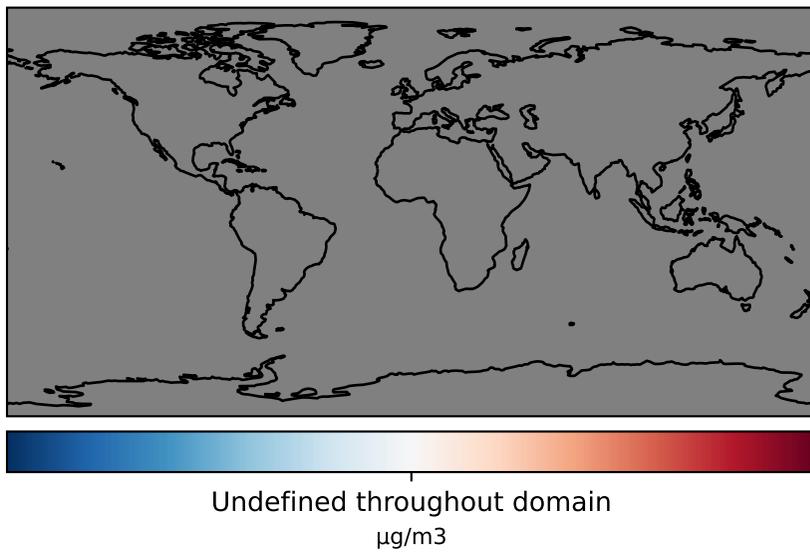
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



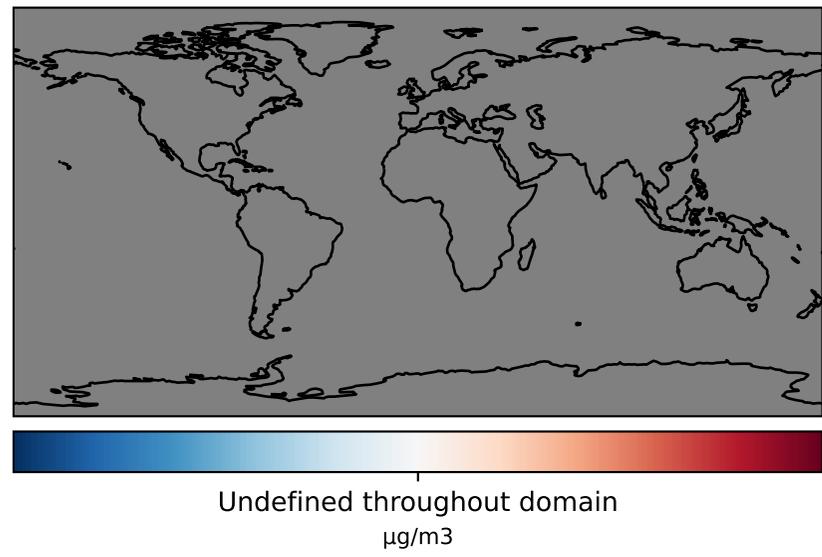
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



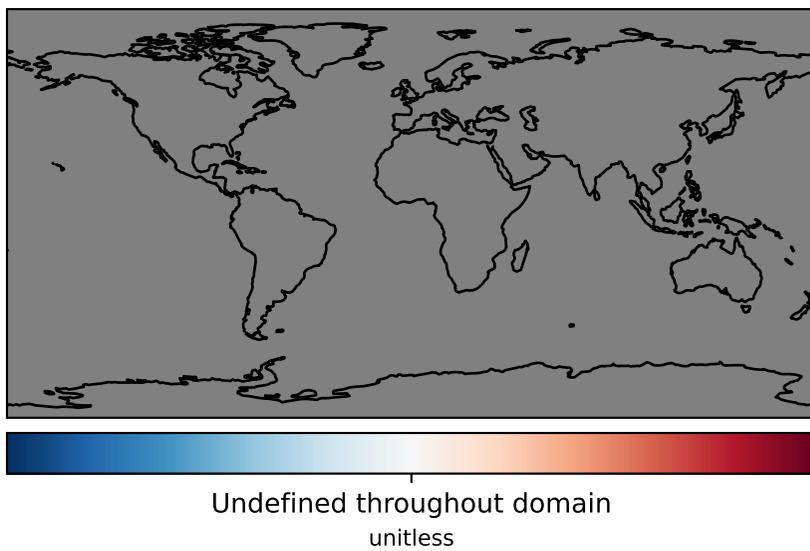
Difference
Dev - Ref, Dynamic Range



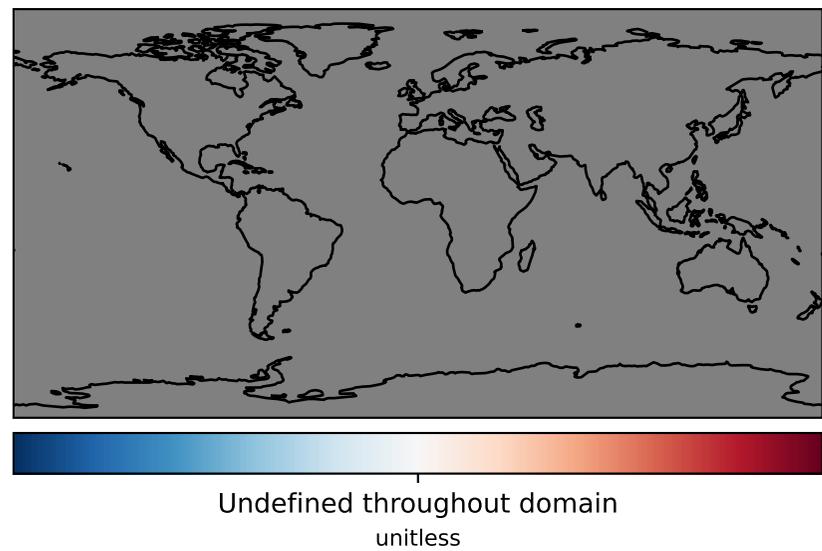
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

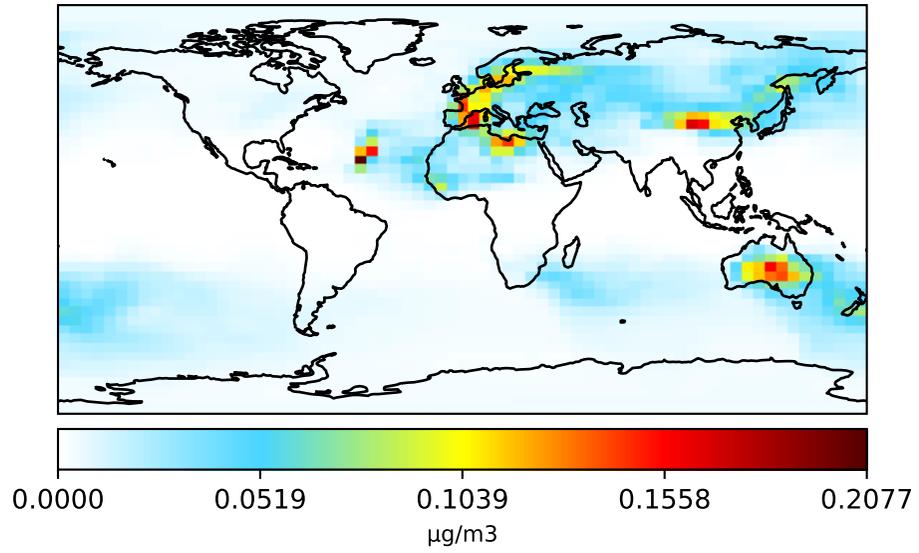


Ratio
Dev/Ref, Fixed Range

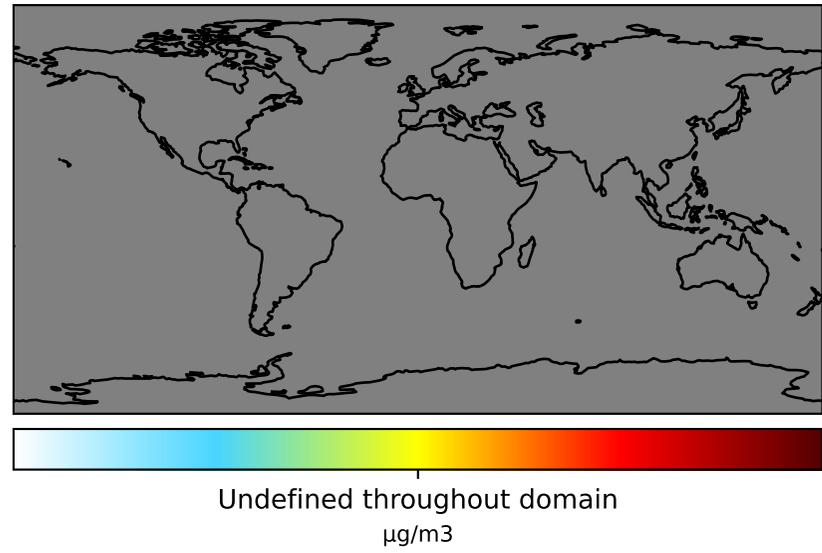


SpeciesConcVW_DST2 (Oct2019)

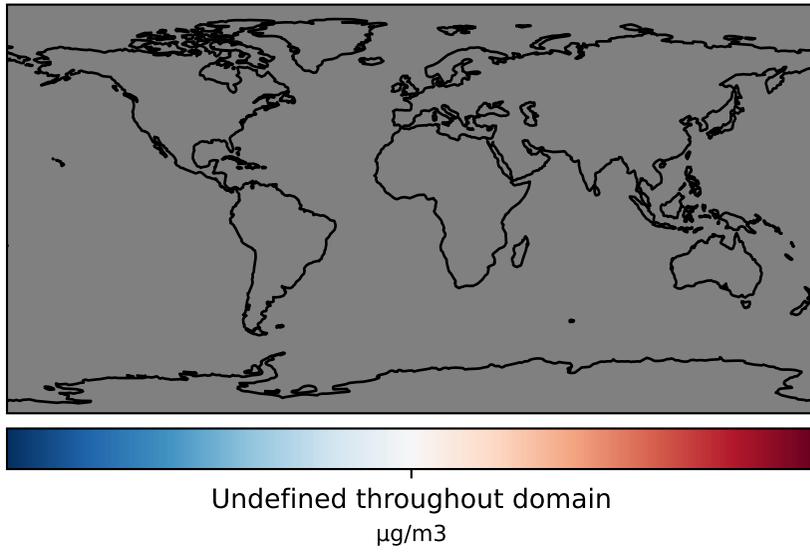
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4.0x5.0



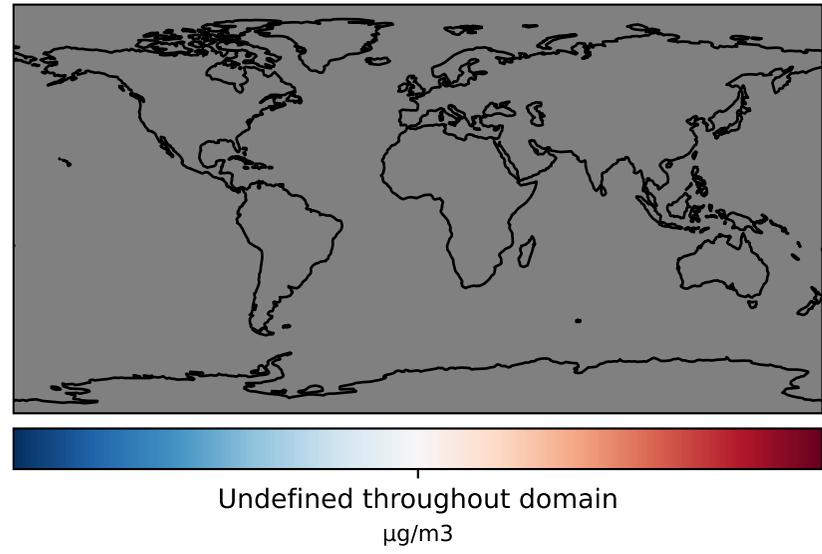
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



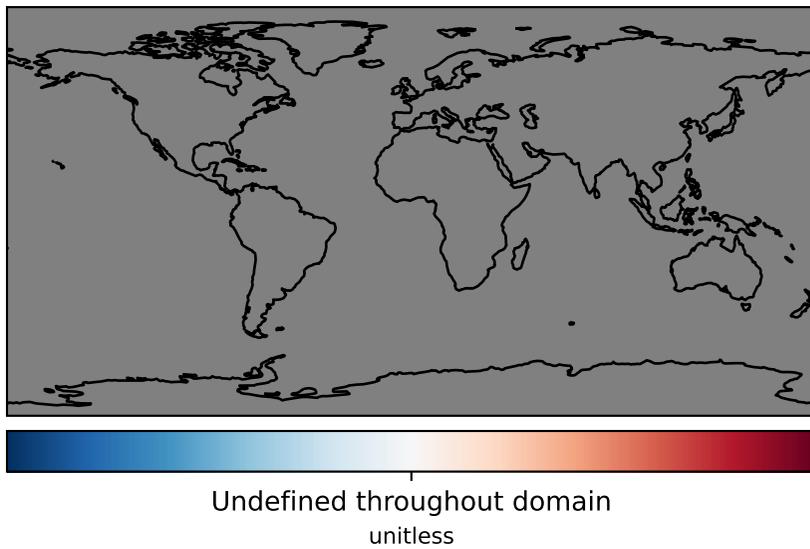
Difference
Dev - Ref, Dynamic Range



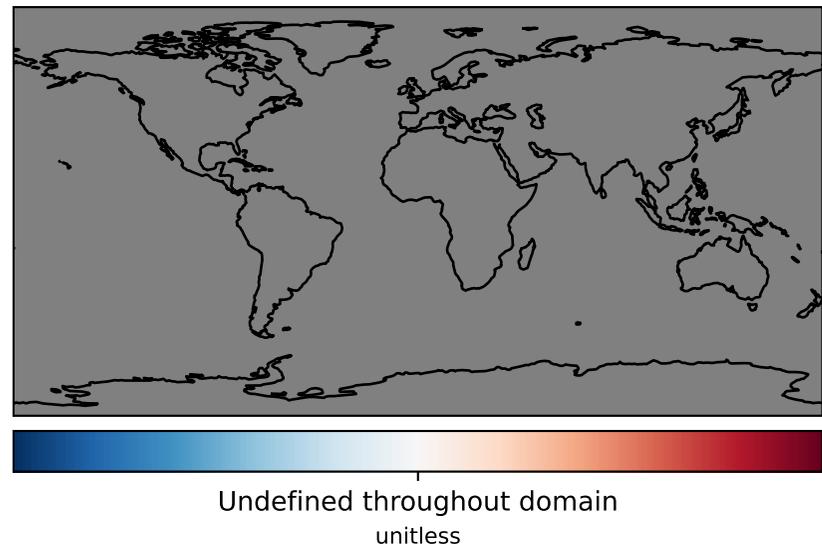
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

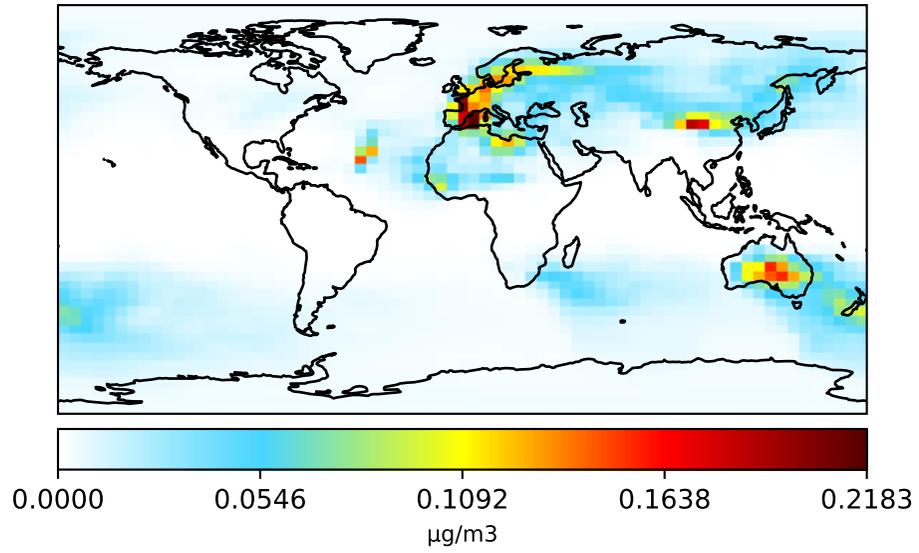


Ratio
Dev/Ref, Fixed Range

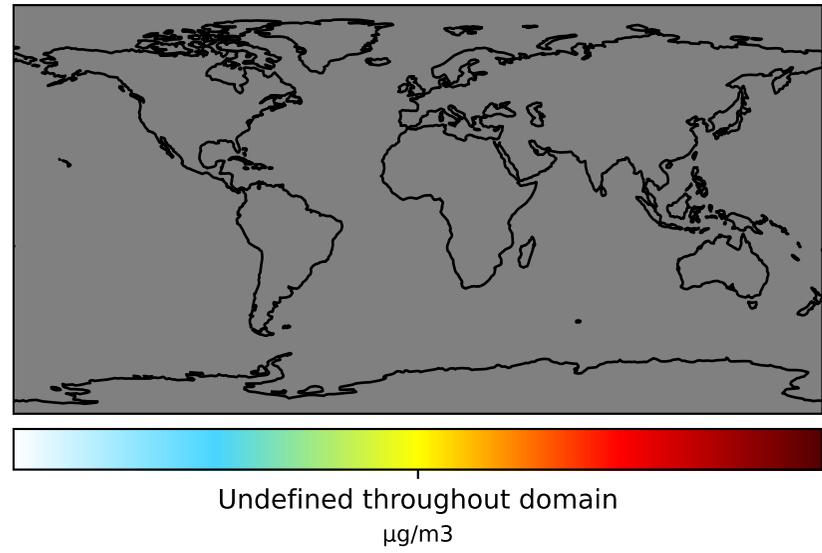


SpeciesConcVW_DST3 (Oct2019)

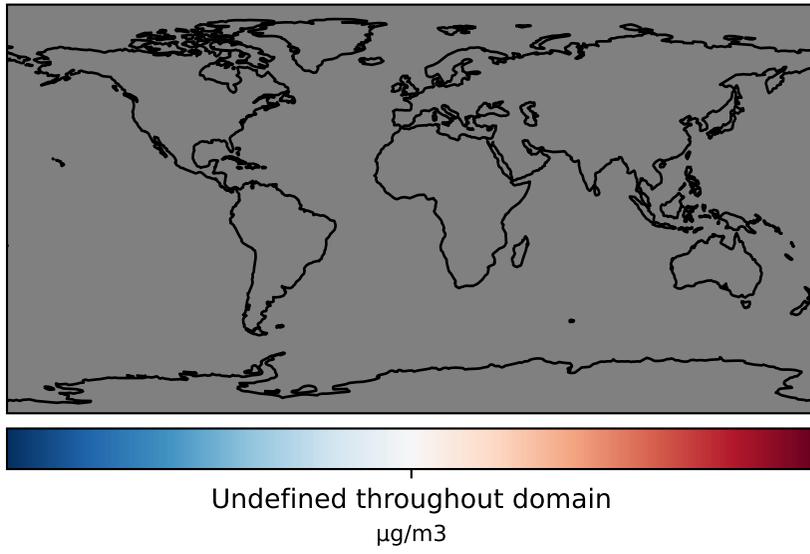
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4.0x5.0



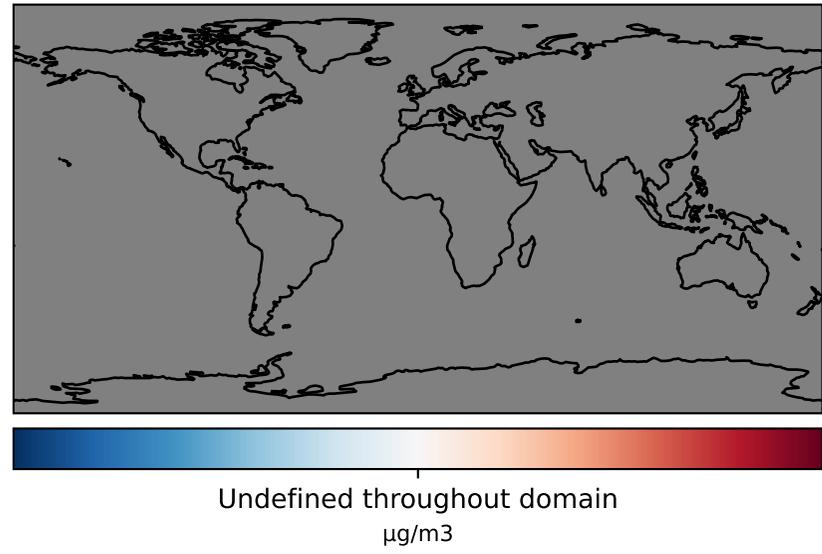
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



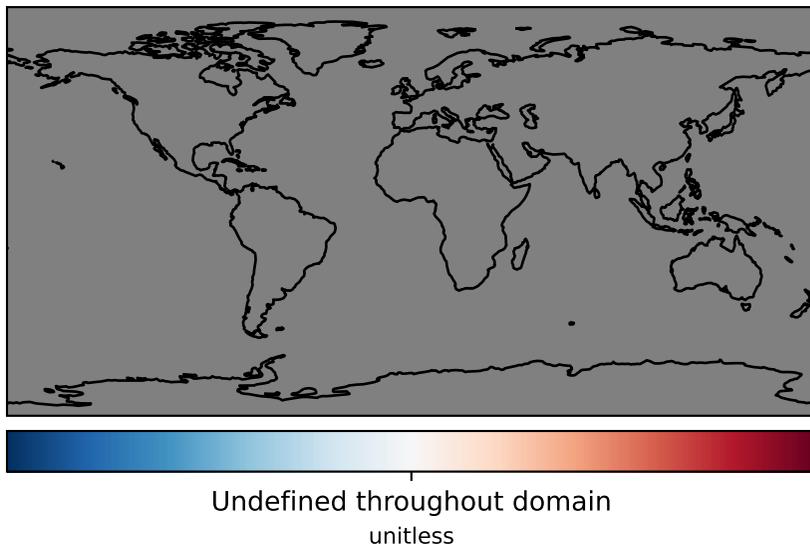
Difference
Dev - Ref, Dynamic Range



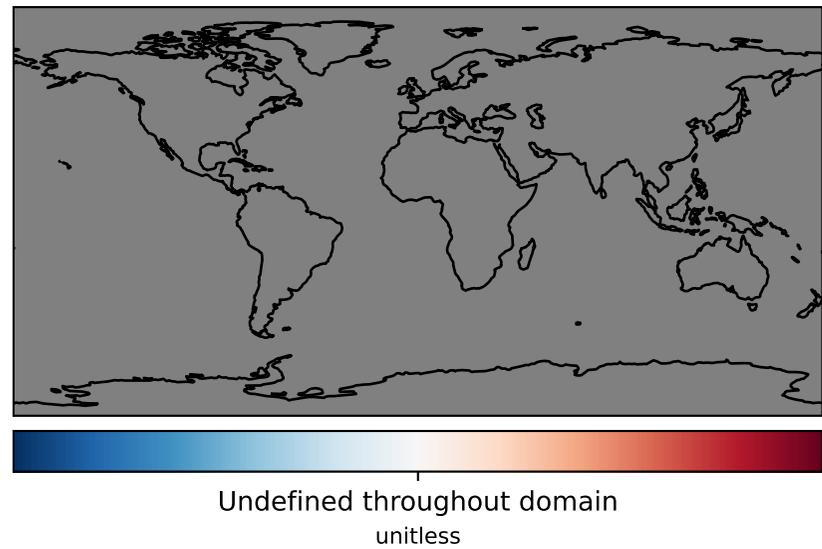
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

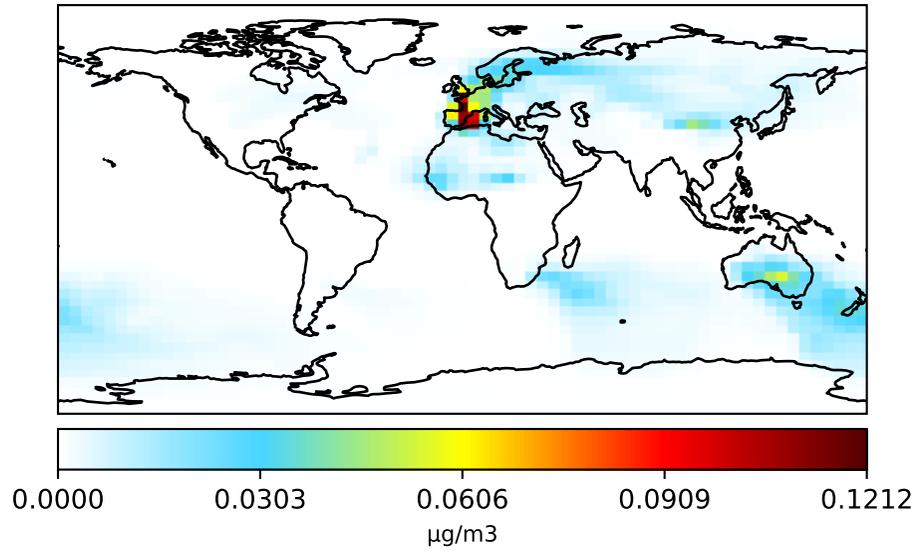


Ratio
Dev/Ref, Fixed Range

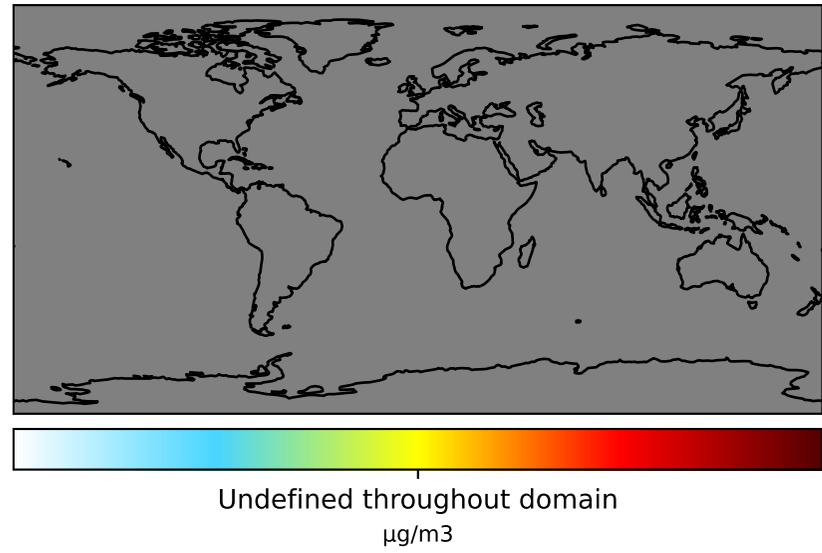


SpeciesConcVW_DST4 (Oct2019)

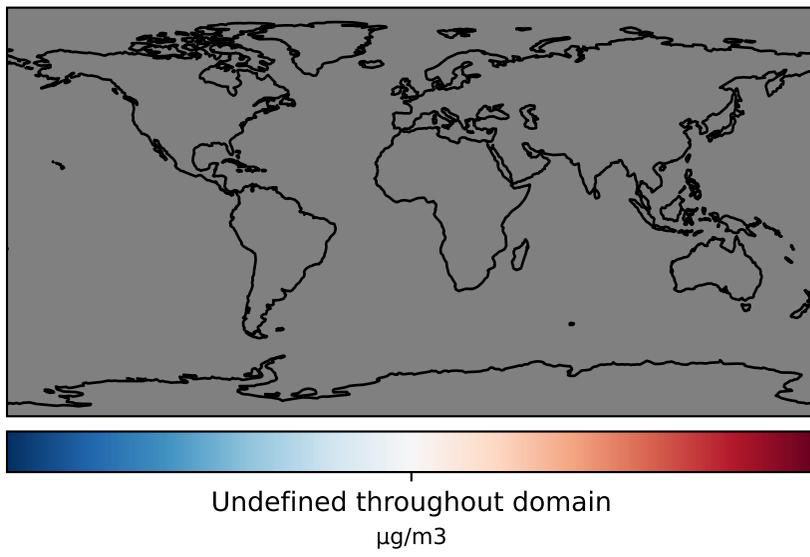
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



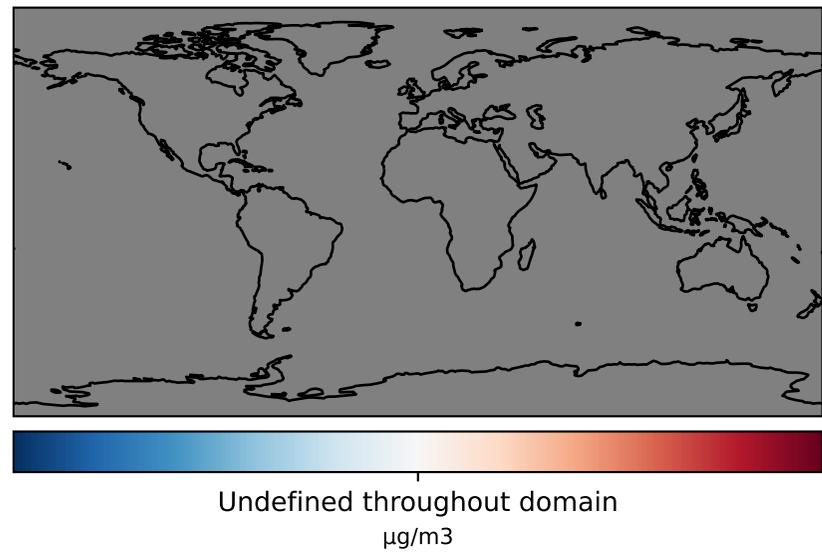
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



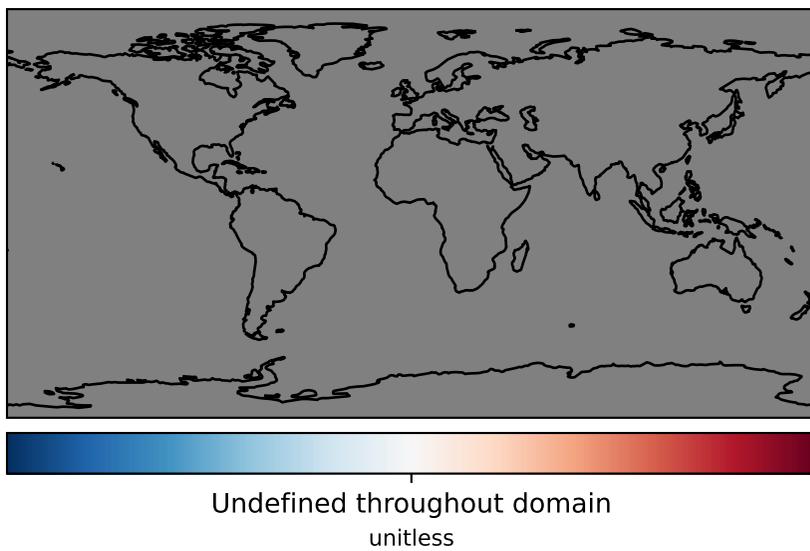
Difference
Dev - Ref, Dynamic Range



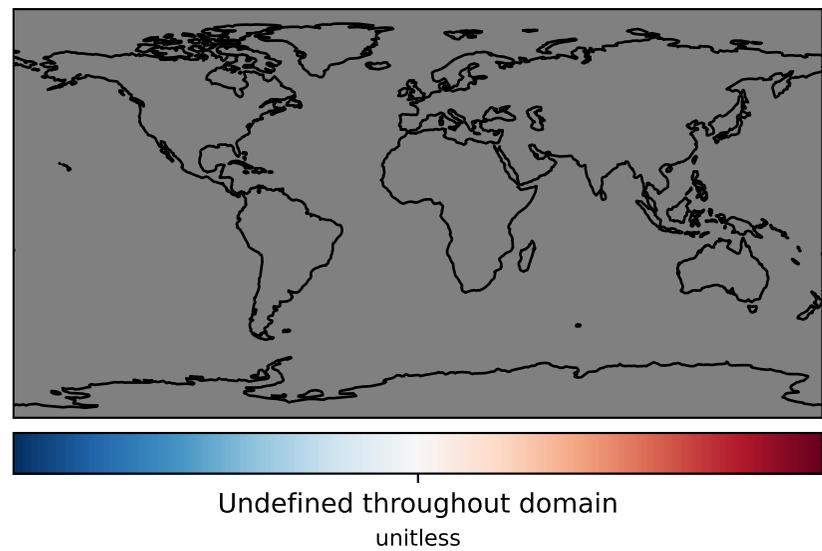
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

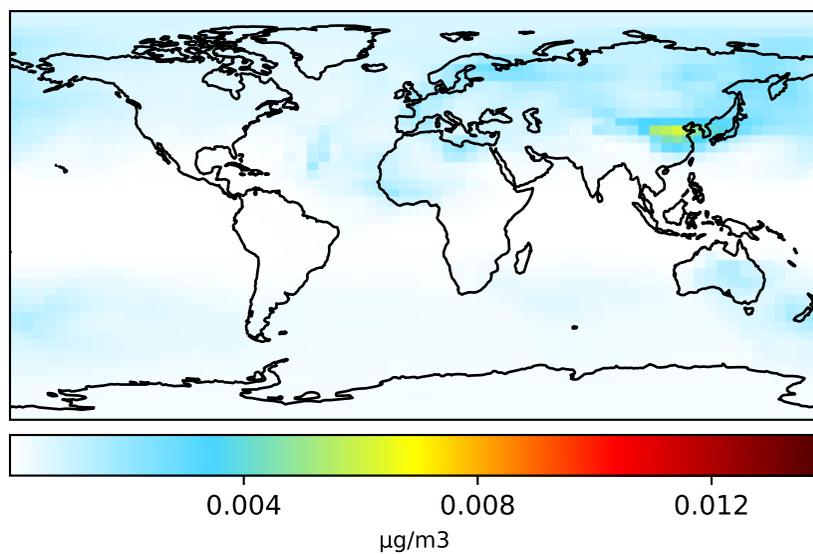


Ratio
Dev/Ref, Fixed Range

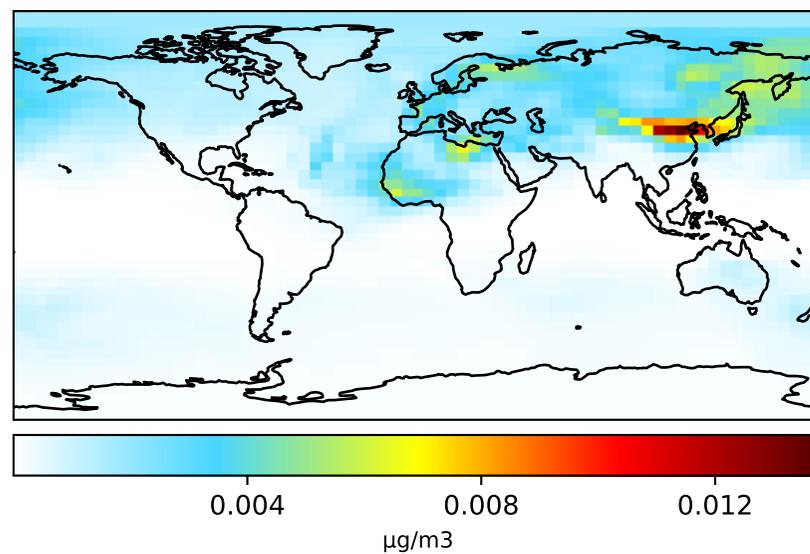


SpeciesConcVV_DSTbin1 (Oct2019)

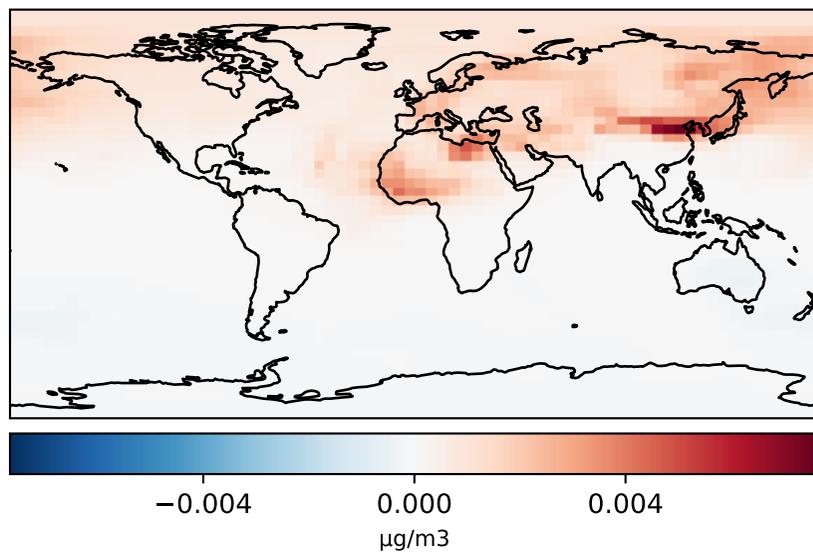
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4.0x5.0



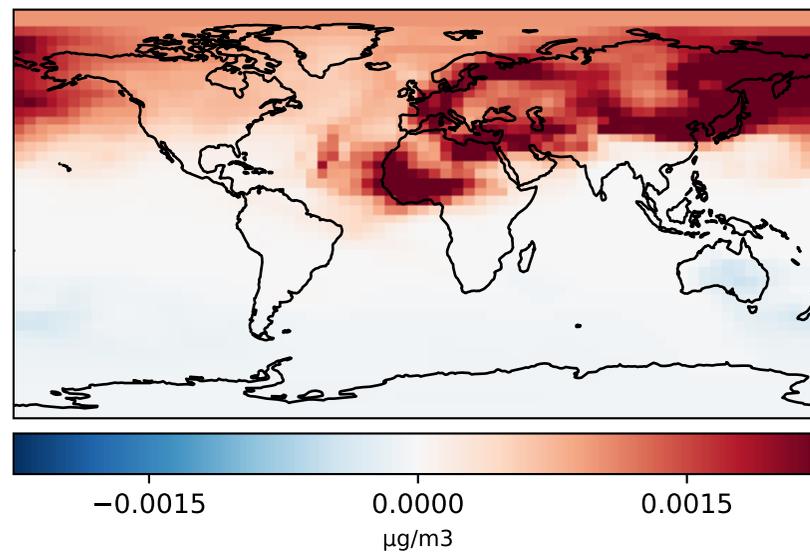
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



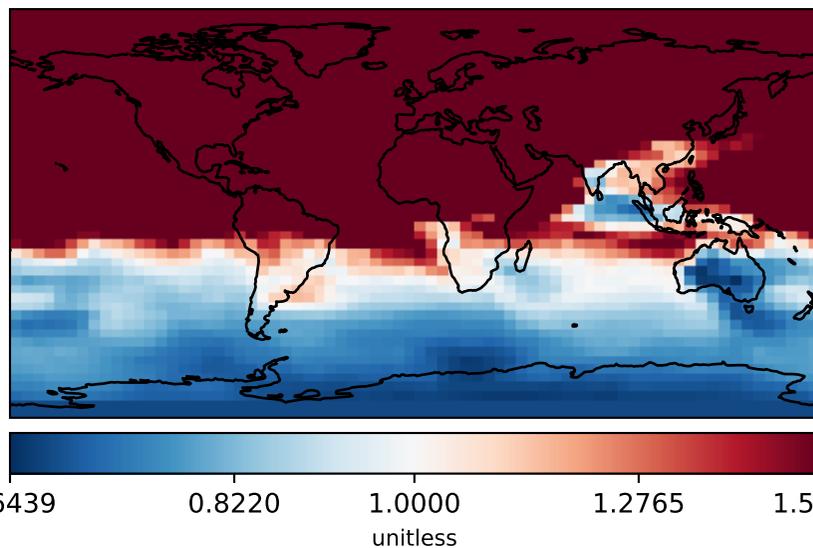
Difference
Dev - Ref, Dynamic Range



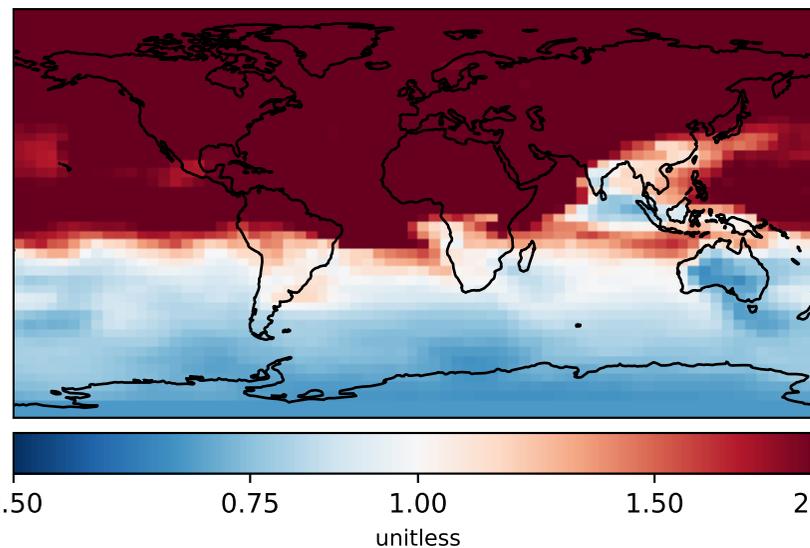
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

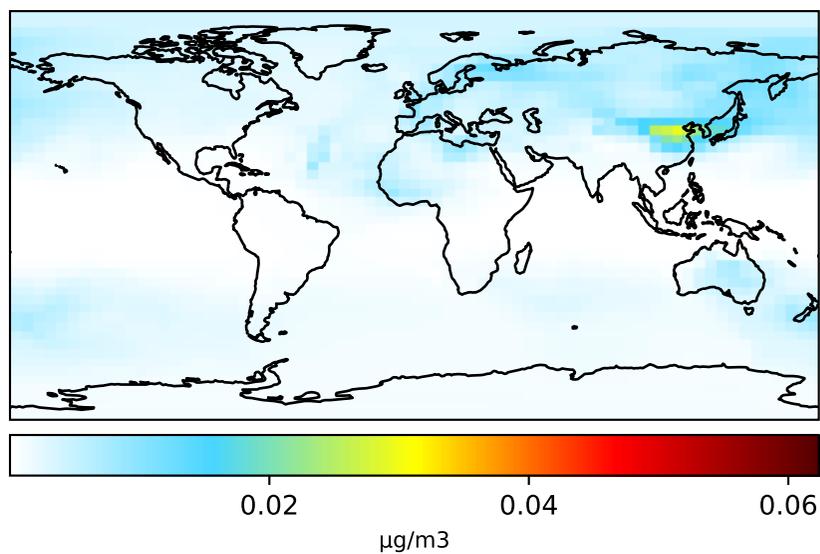


0.6439 0.8220 1.0000 1.2765 1.5530
unitless

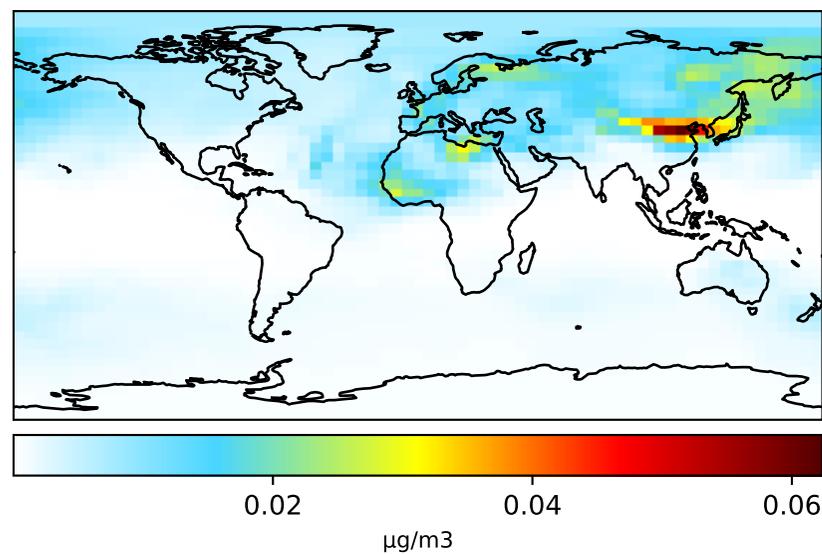
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_DSTbin2 (Oct2019)

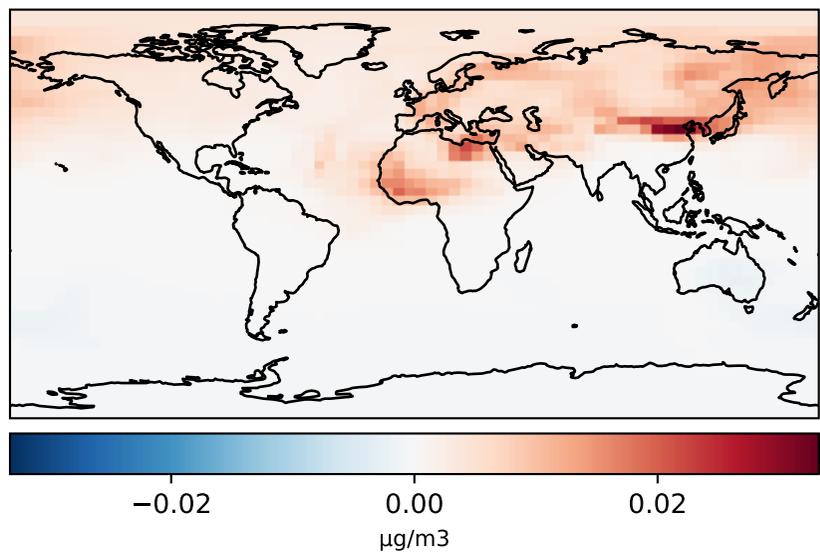
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



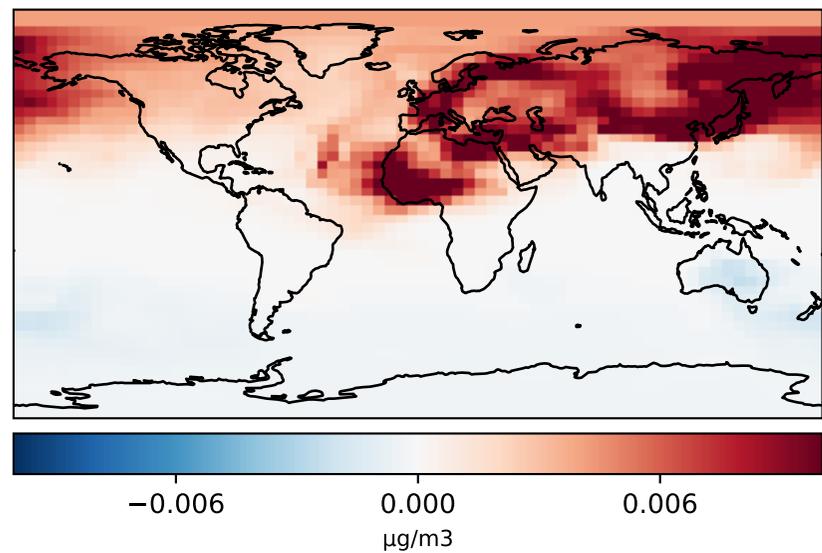
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



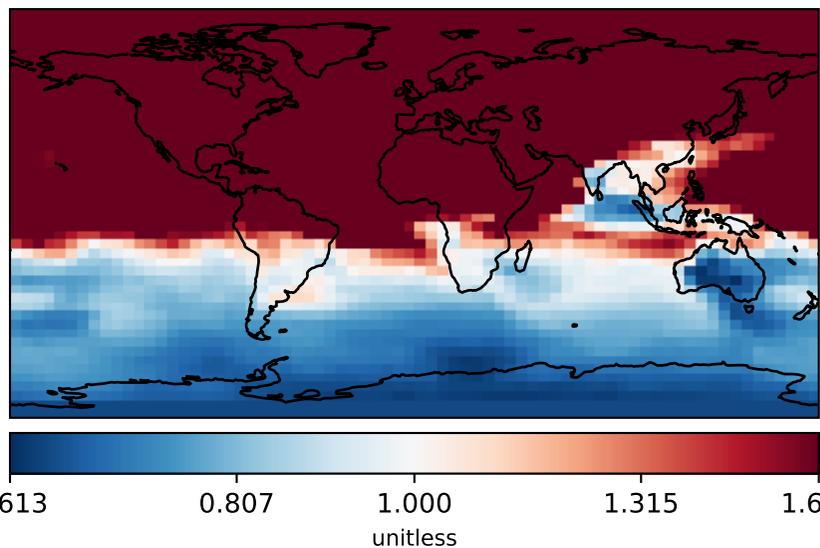
Difference
Dev - Ref, Dynamic Range



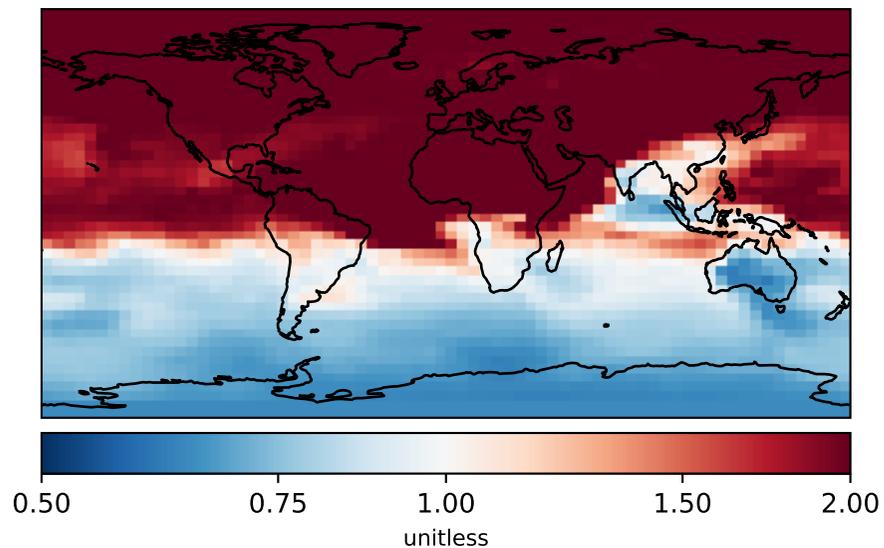
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

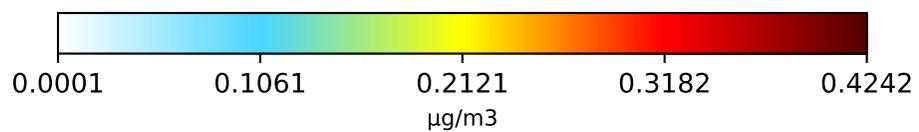
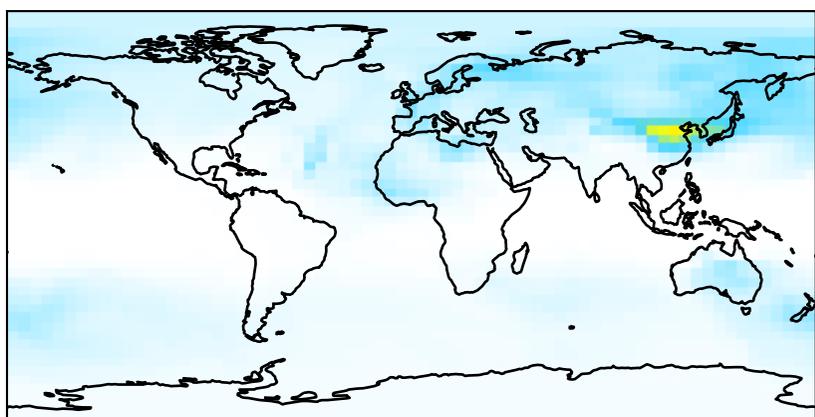


Ratio
Dev/Ref, Fixed Range

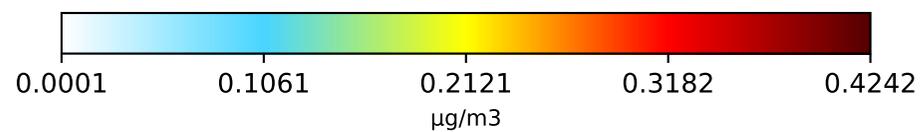
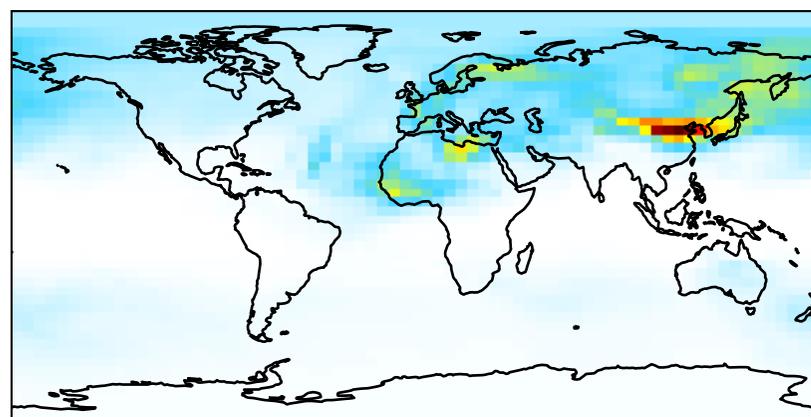


SpeciesConcVV_DSTbin3 (Oct2019)

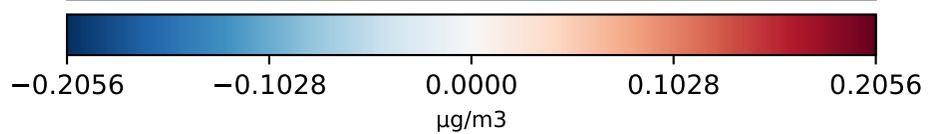
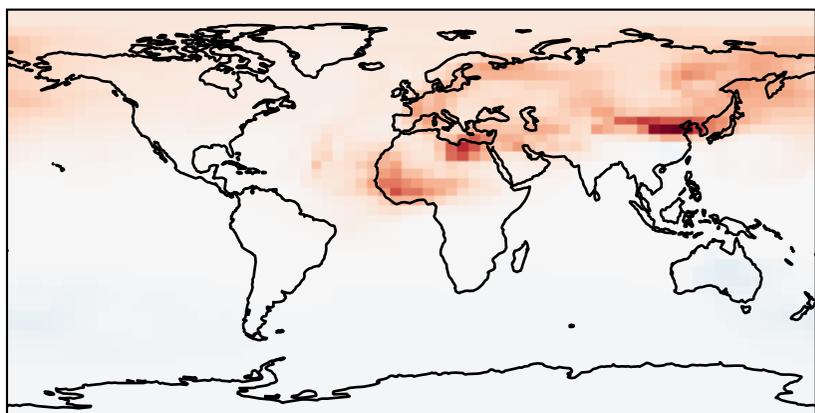
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



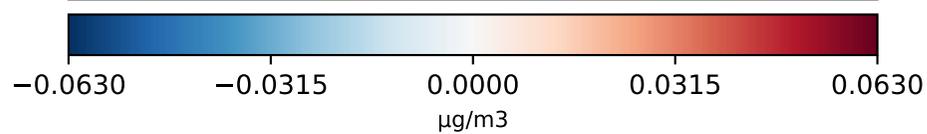
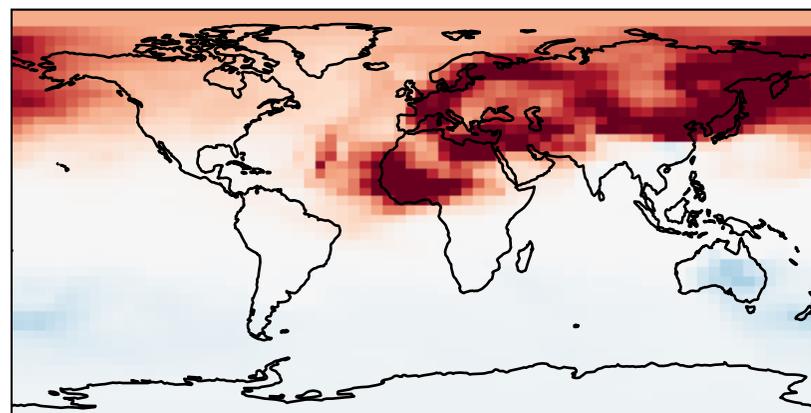
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



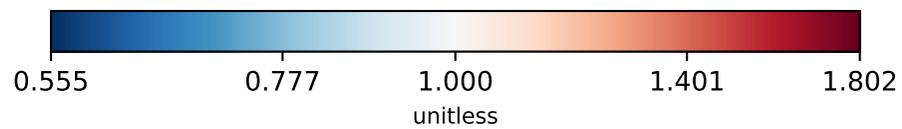
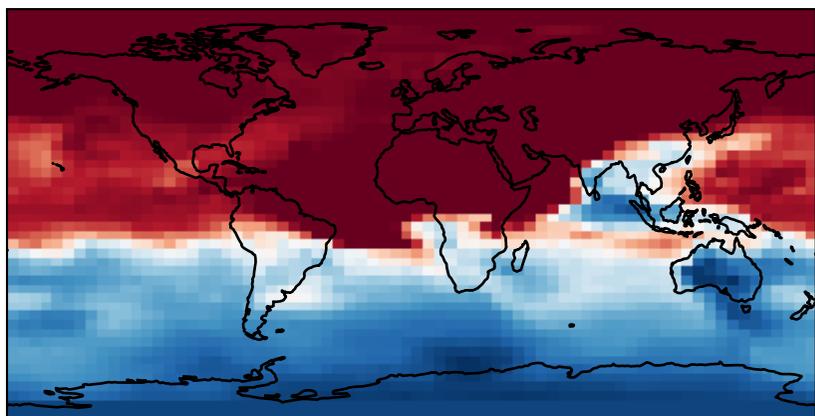
Difference
Dev - Ref, Dynamic Range



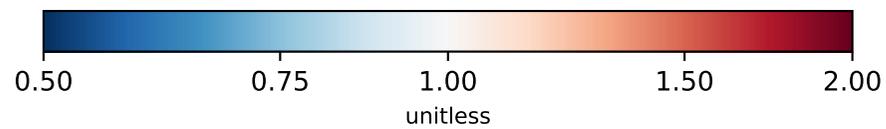
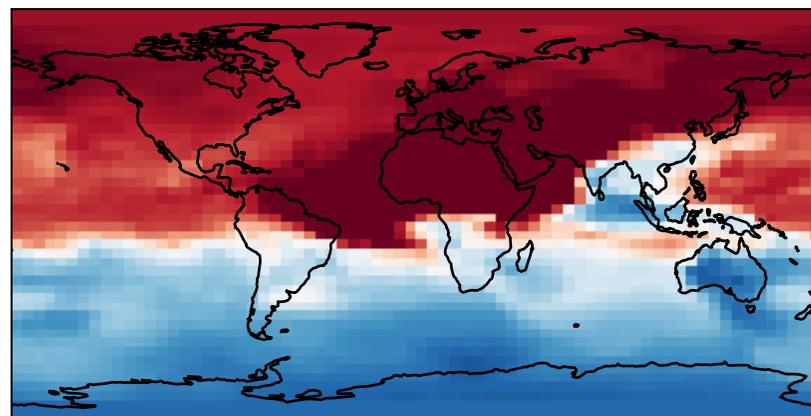
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

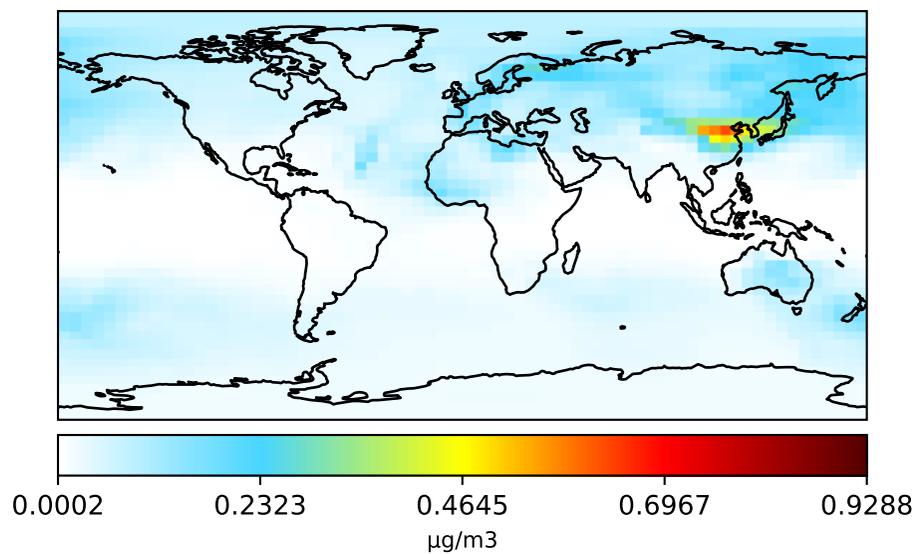


Ratio
Dev/Ref, Fixed Range

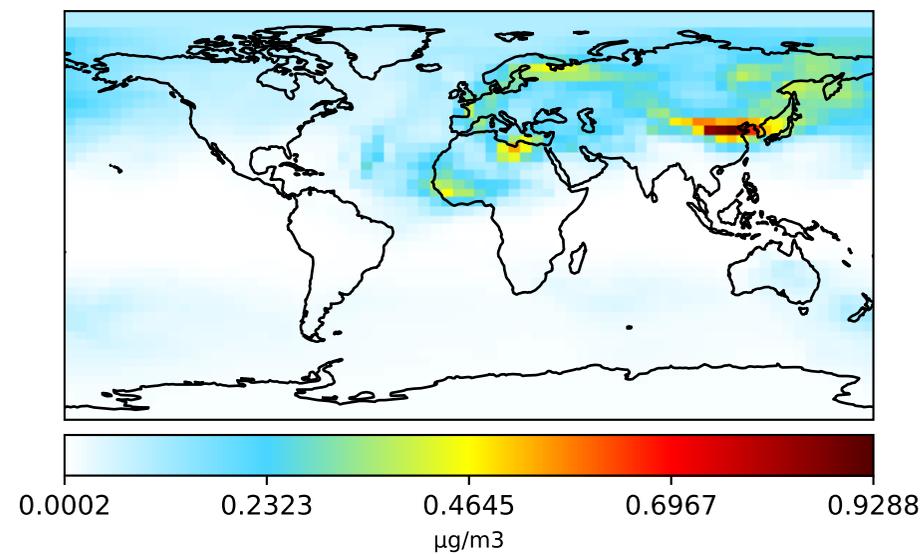


SpeciesConcVV_DSTbin4 (Oct2019)

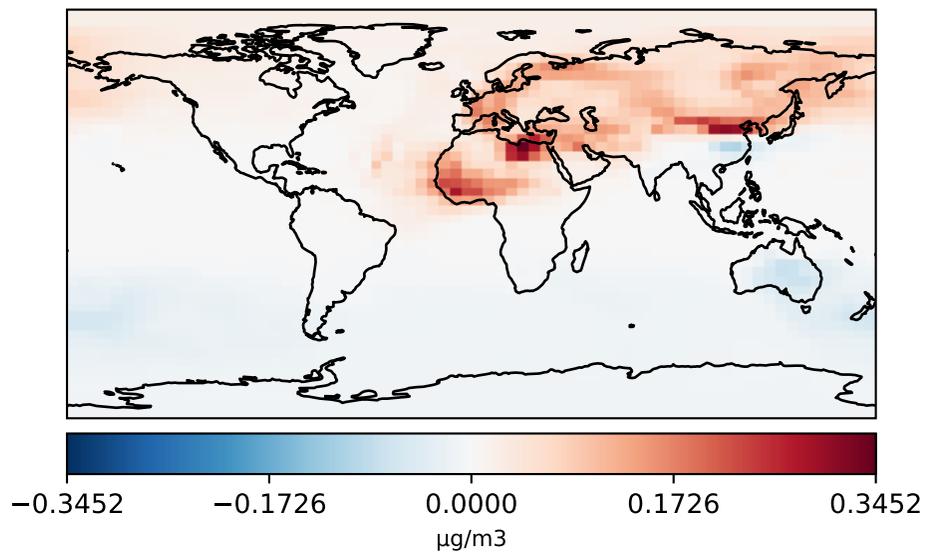
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



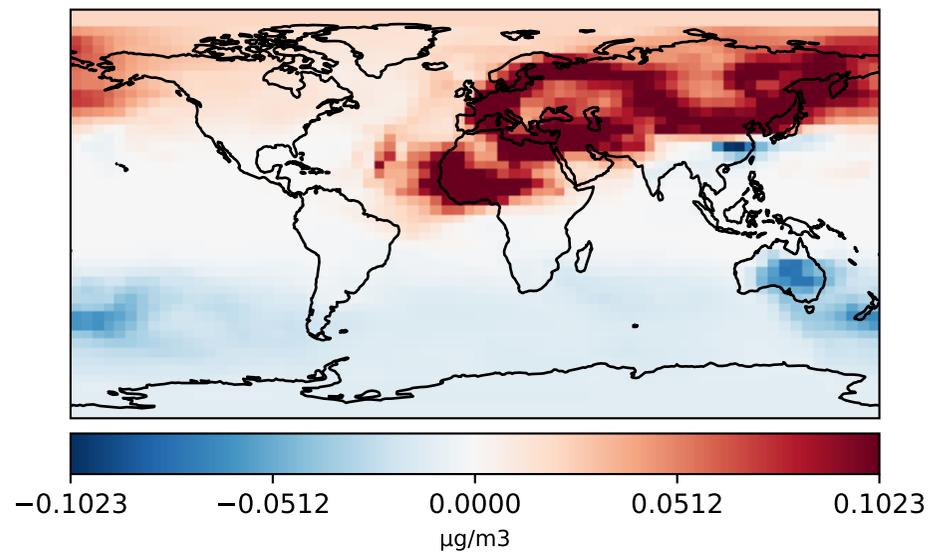
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



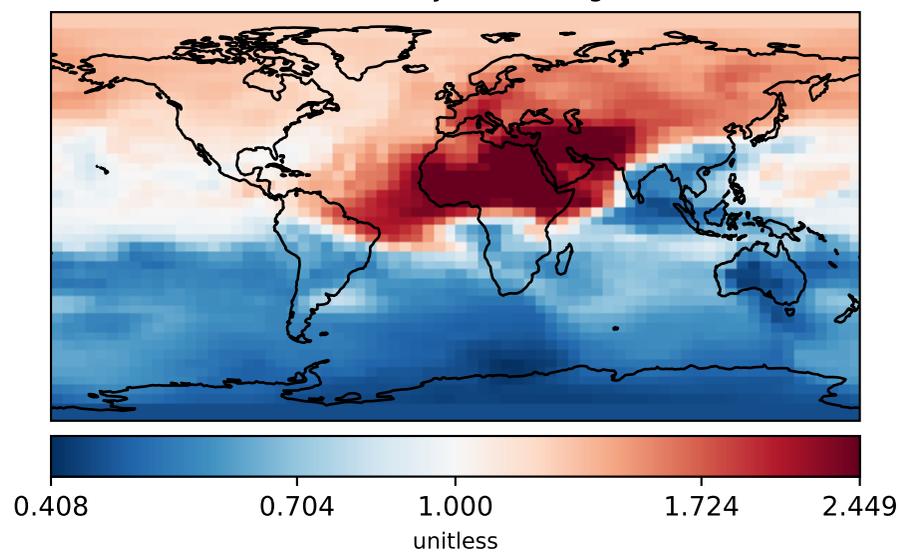
Difference
Dev - Ref, Dynamic Range



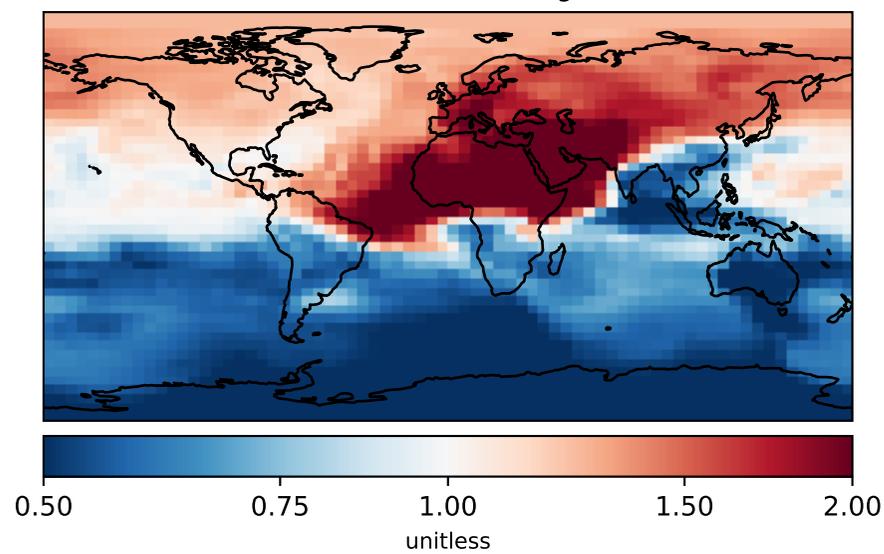
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

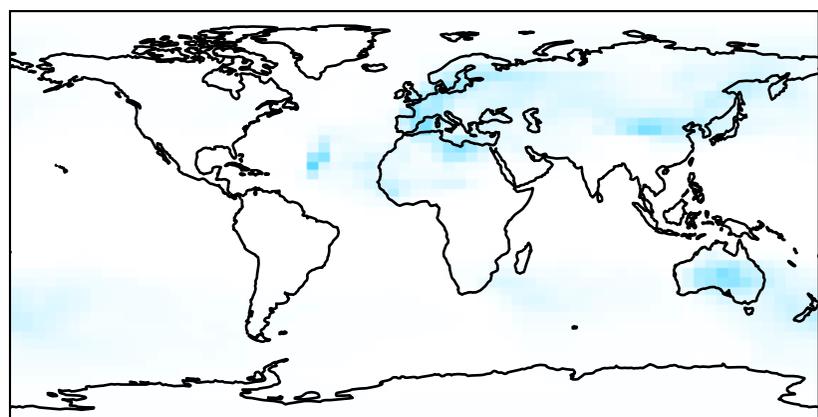


Ratio
Dev/Ref, Fixed Range



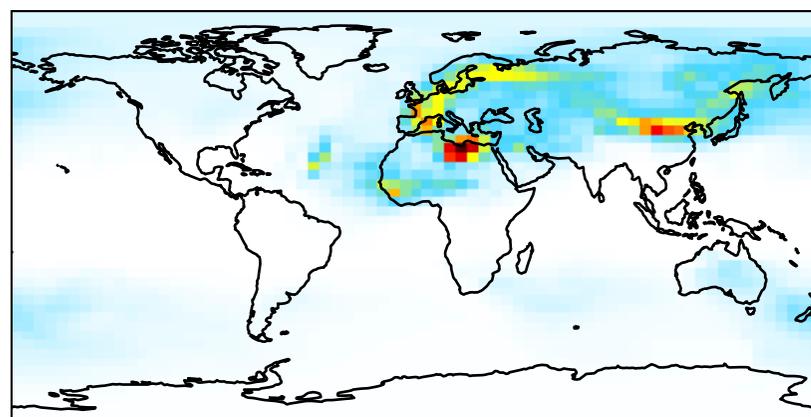
SpeciesConcVV_DSTbin5 (Oct2019)

gcc.14.5.0-rc.0 (Ref)
4.0x5.0



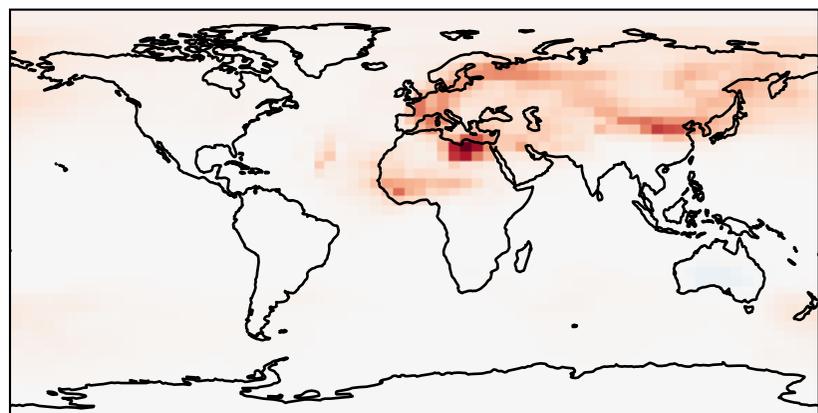
0.0000 0.2295 0.4591 0.6886 0.9182
µg/m3

gcc.14.7.0-rc.0 (Dev)
4.0x5.0



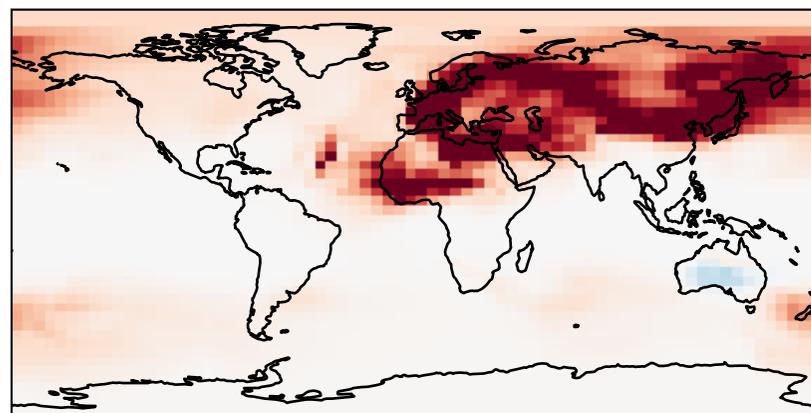
0.0000 0.2295 0.4591 0.6886 0.9182
µg/m3

Difference
Dev - Ref, Dynamic Range



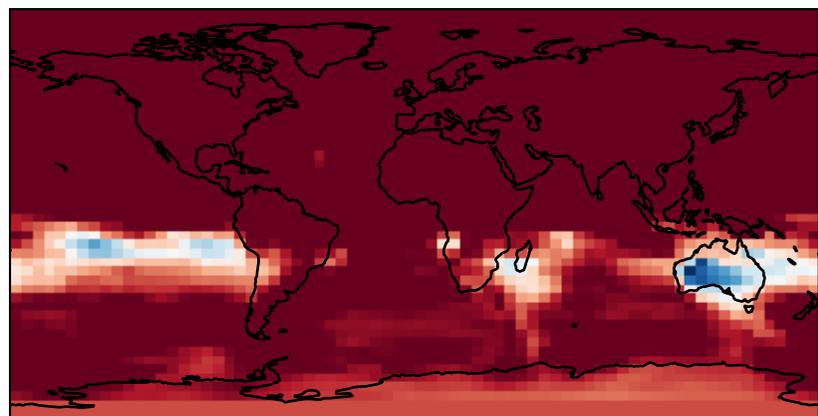
-0.773 -0.386 0.000 0.386 0.773
µg/m3

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



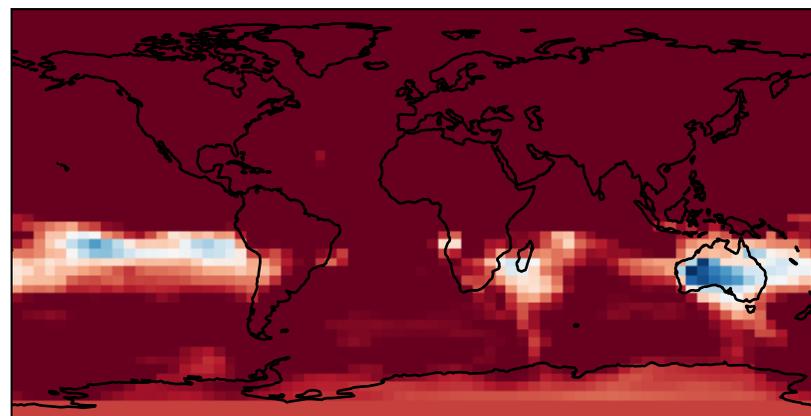
-0.1933 -0.0967 0.0000 0.0967 0.1933
µg/m3

Ratio
Dev/Ref, Dynamic Range



0.485 0.742 1.000 1.531 2.063
unitless

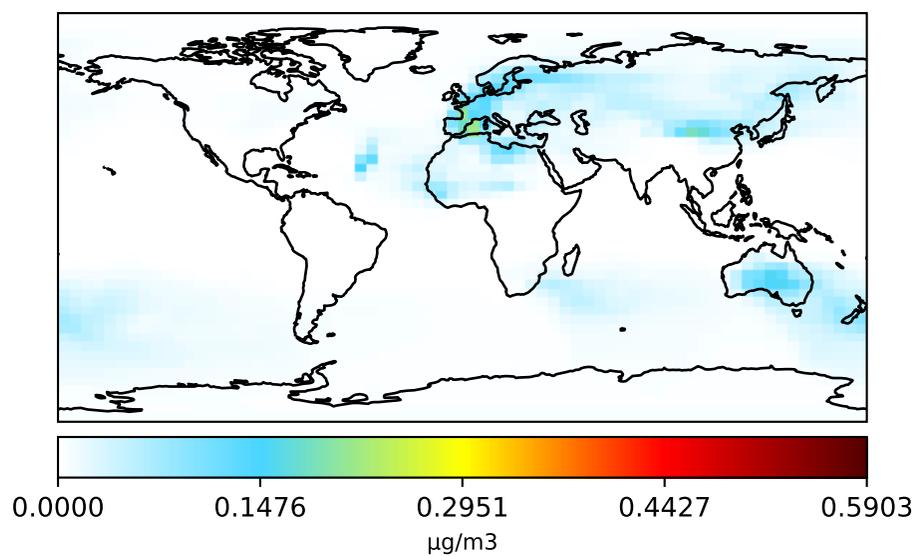
Ratio
Dev/Ref, Fixed Range



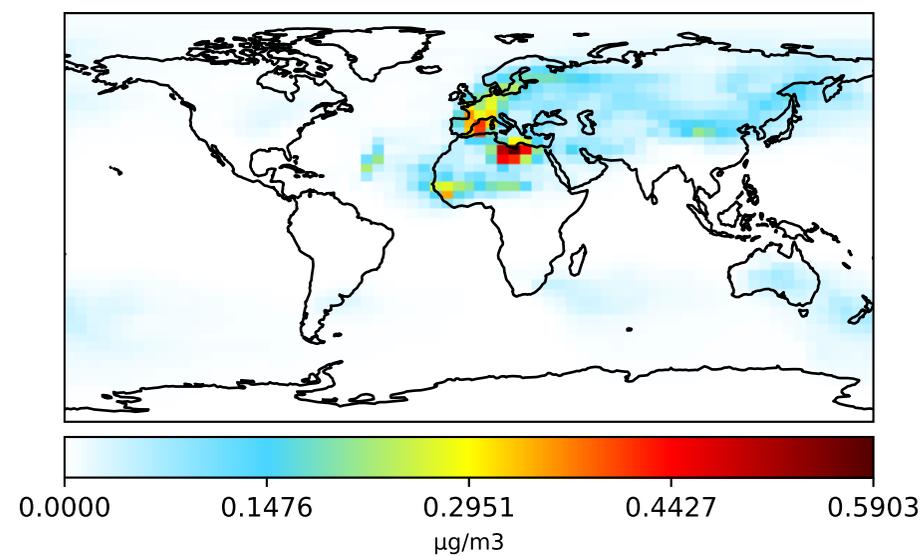
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_DSTbin6 (Oct2019)

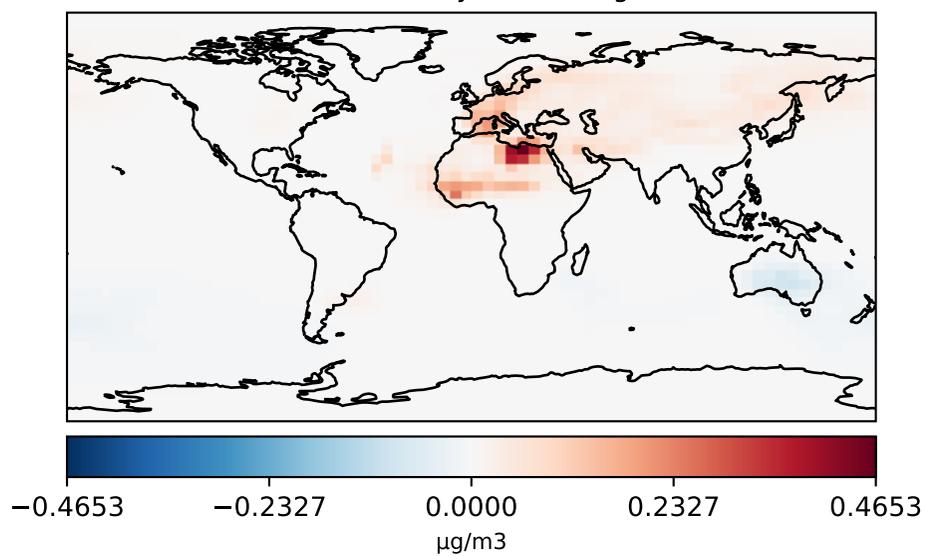
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



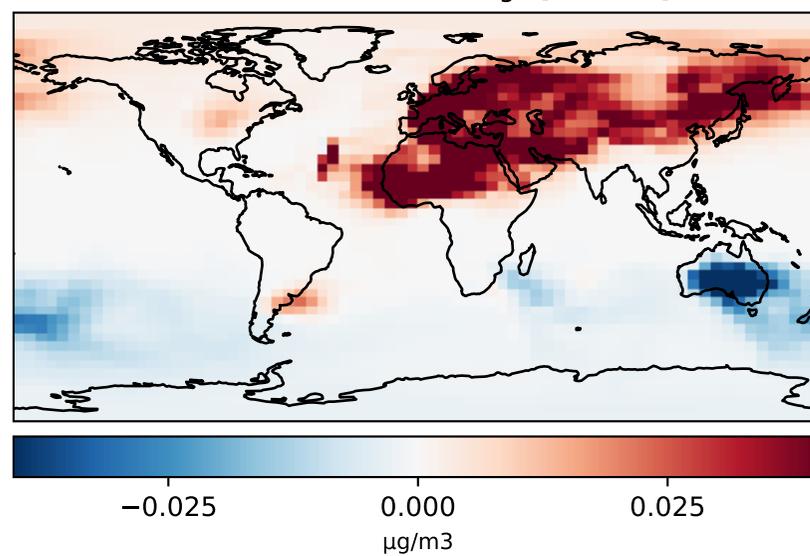
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



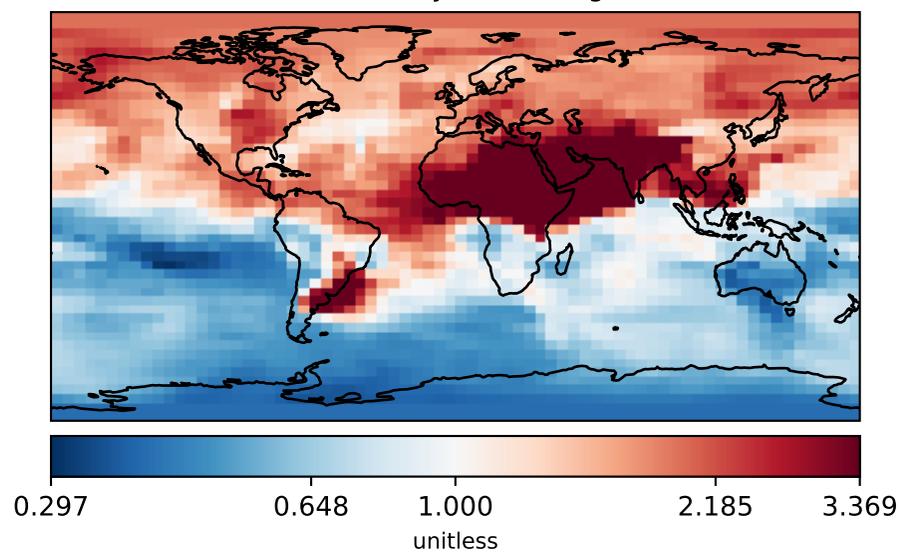
Difference
Dev - Ref, Dynamic Range



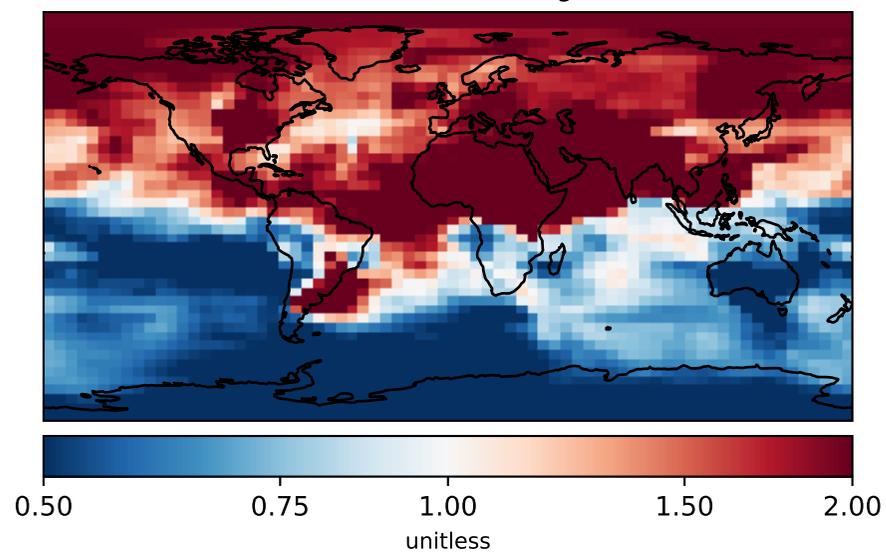
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

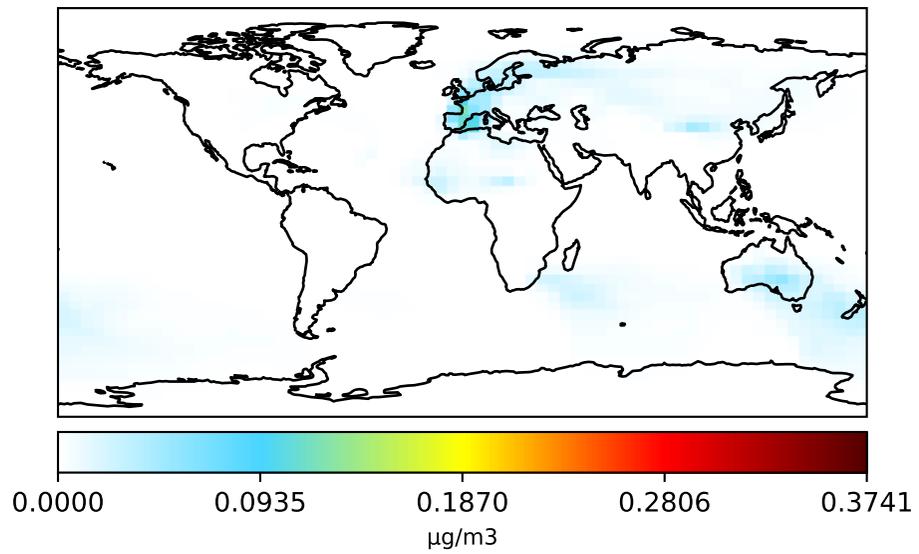


Ratio
Dev/Ref, Fixed Range

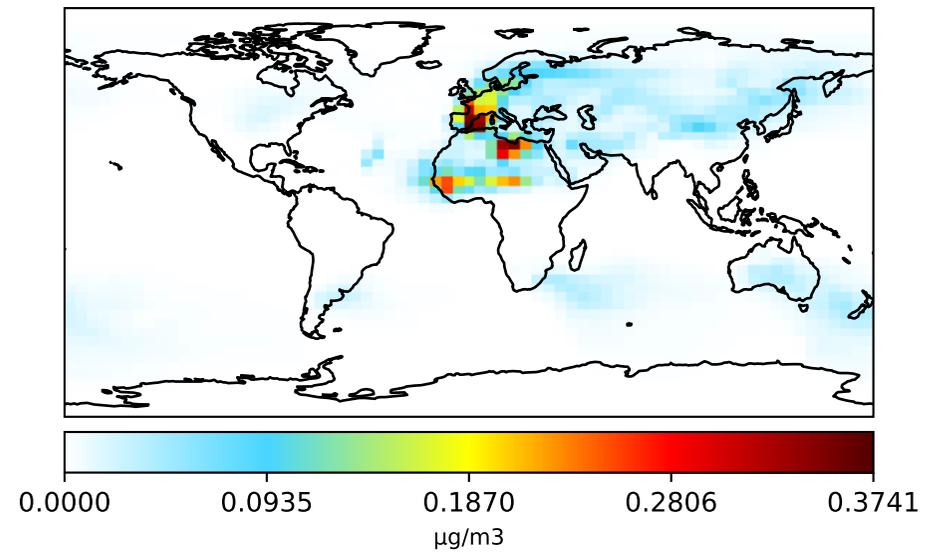


SpeciesConcVV_DSTbin7 (Oct2019)

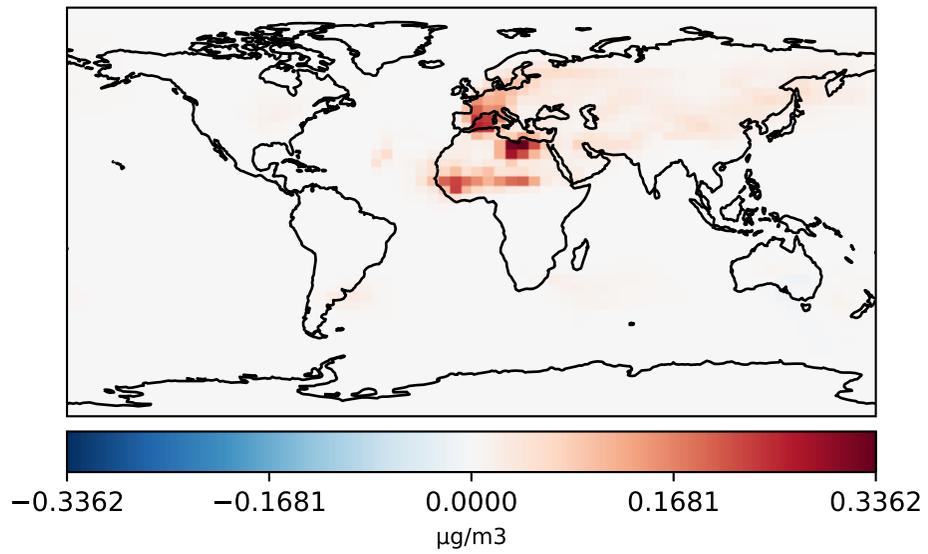
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



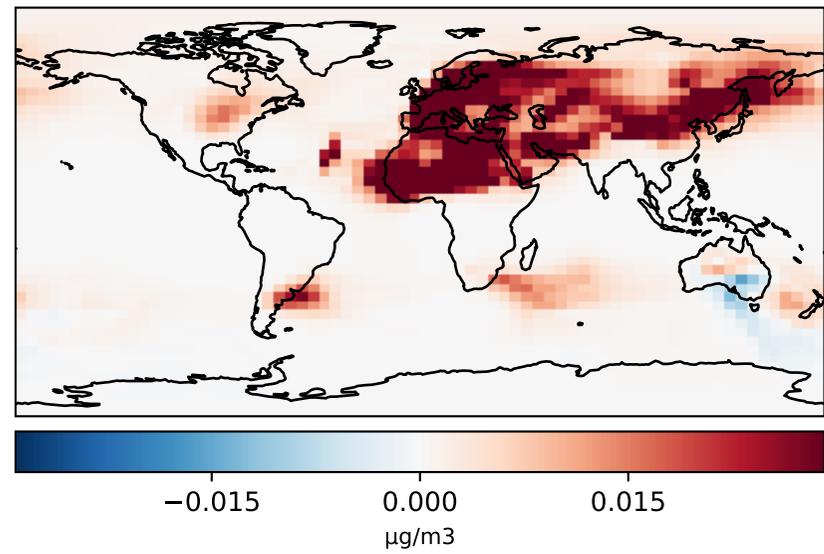
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



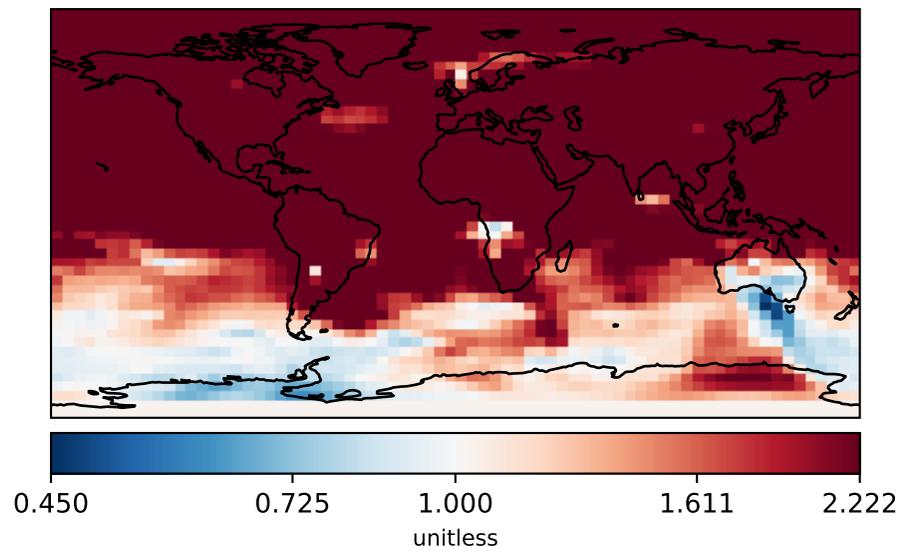
Difference
Dev - Ref, Dynamic Range



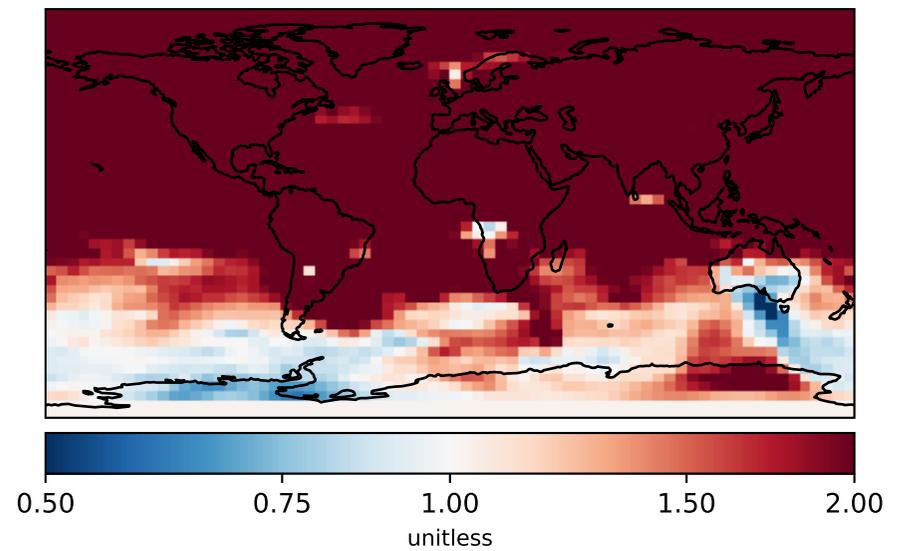
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

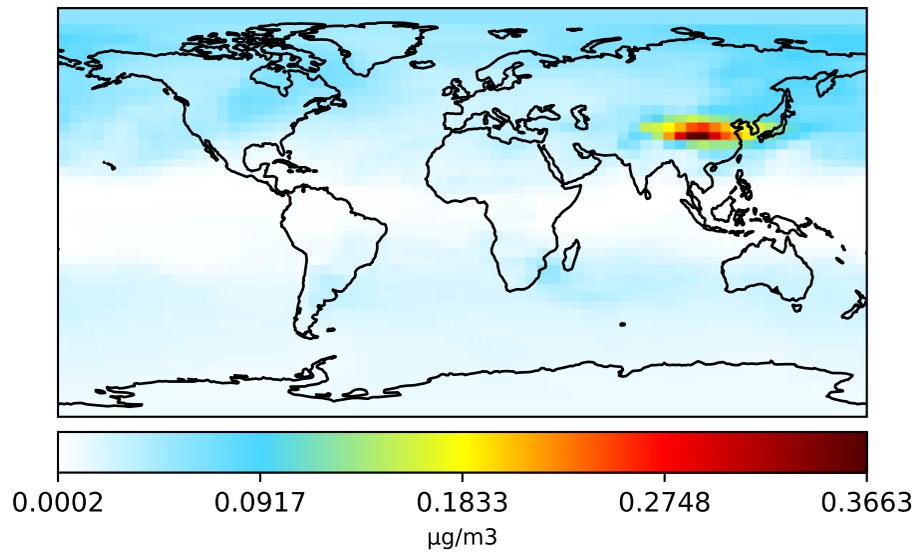


Ratio
Dev/Ref, Fixed Range

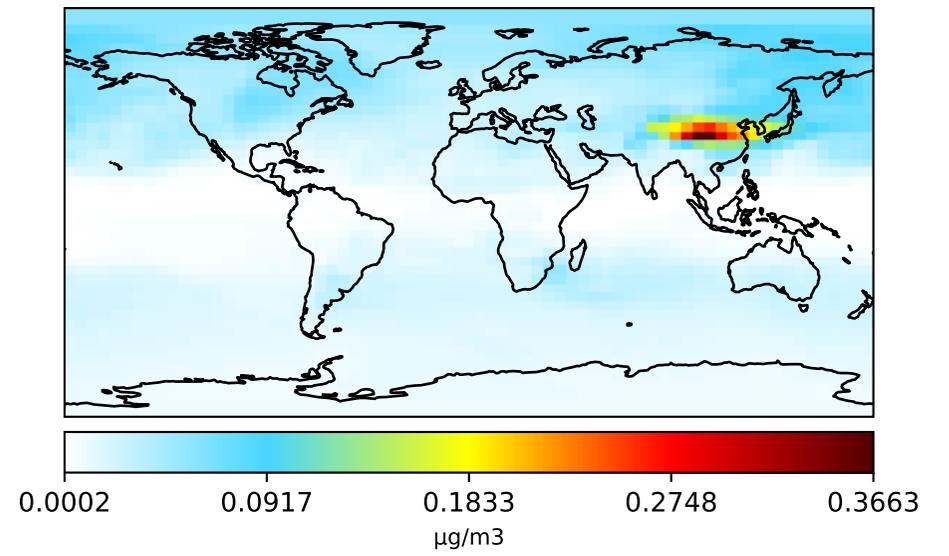


SpeciesConcVV_NH4 (Oct2019)

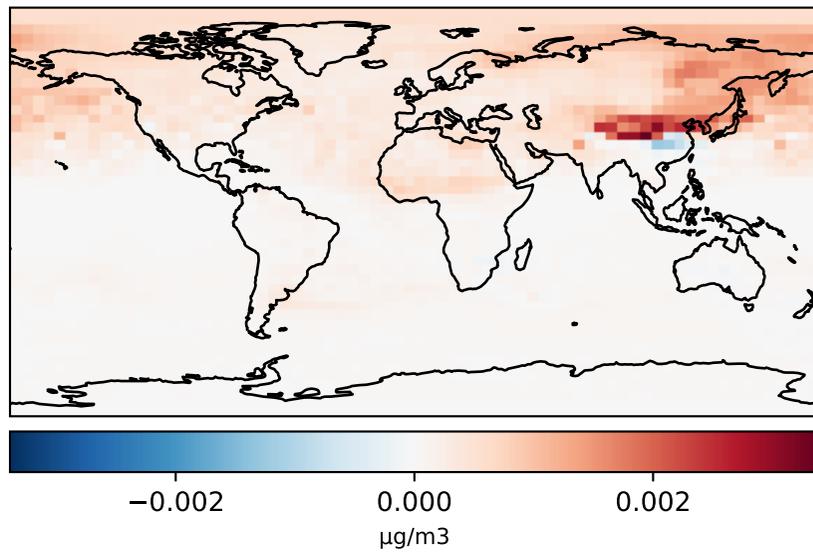
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



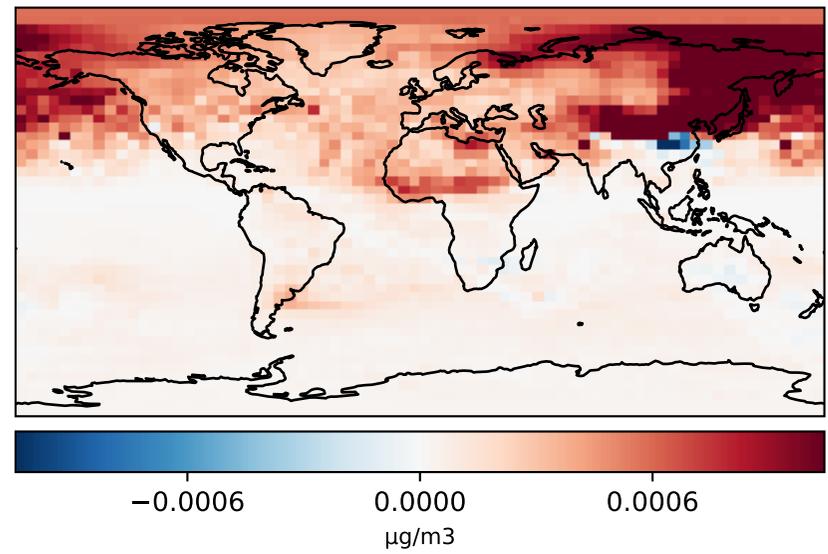
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4.0x5.0



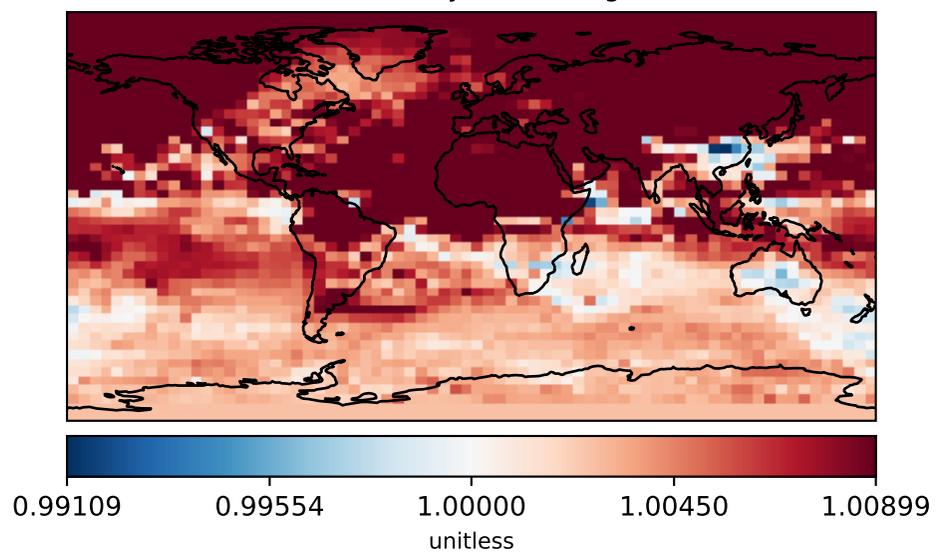
Difference
Dev - Ref, Dynamic Range



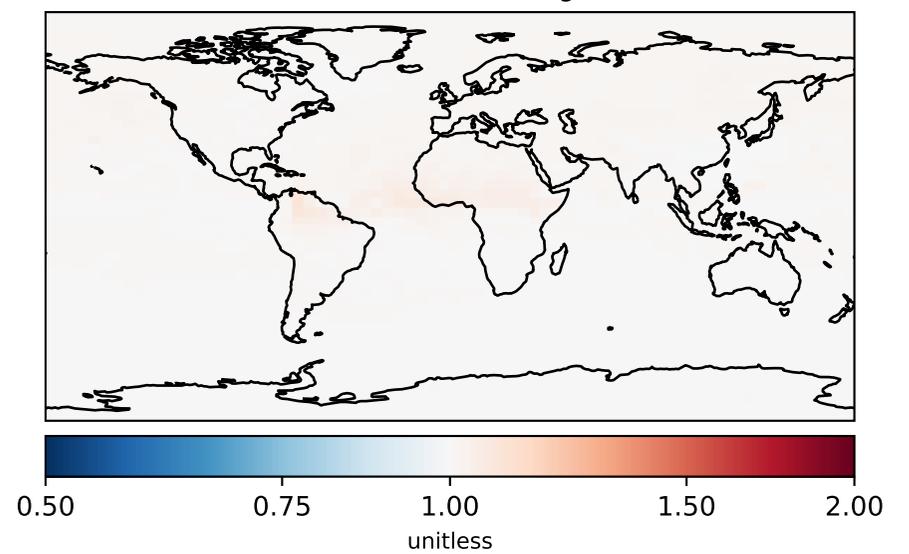
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

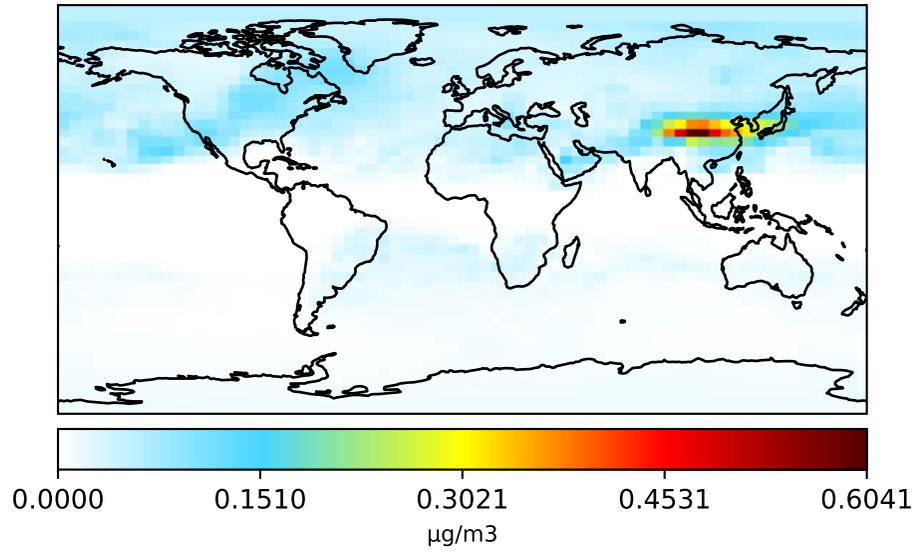


Ratio
Dev/Ref, Fixed Range

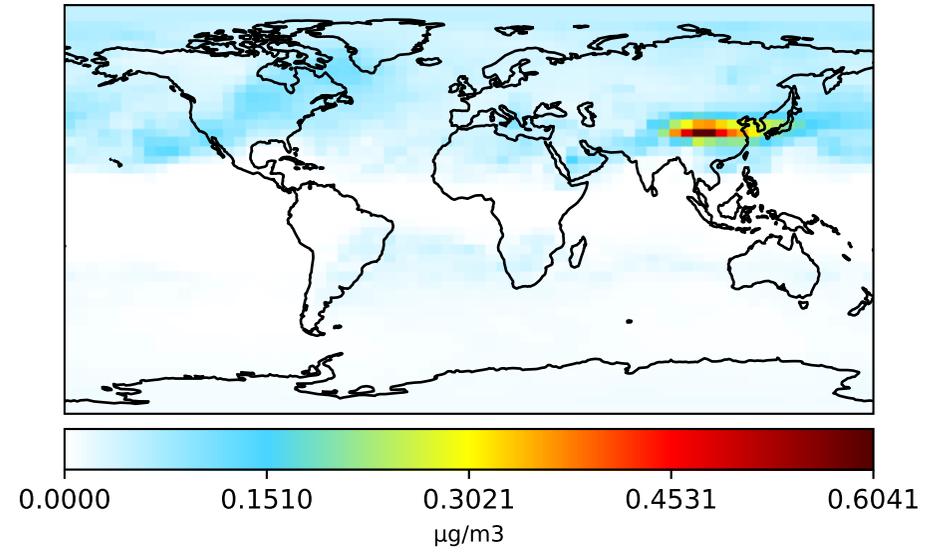


SpeciesConcVV_NIT (Oct2019)

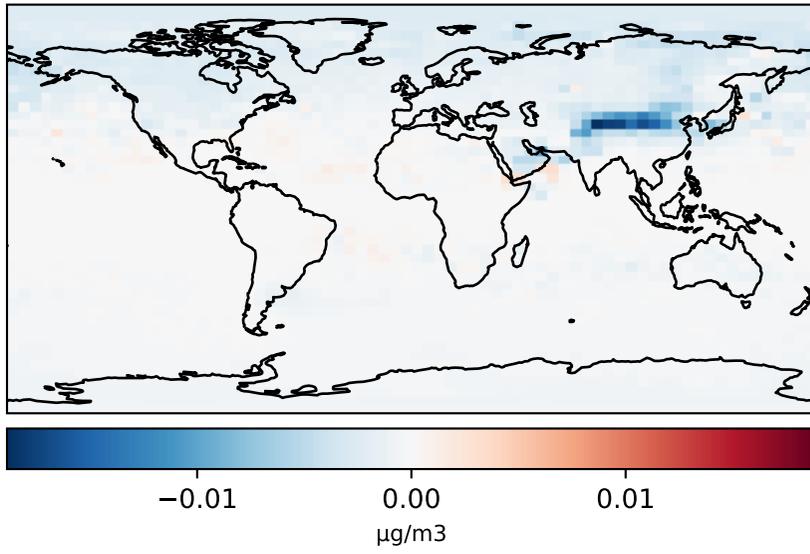
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4.0x5.0



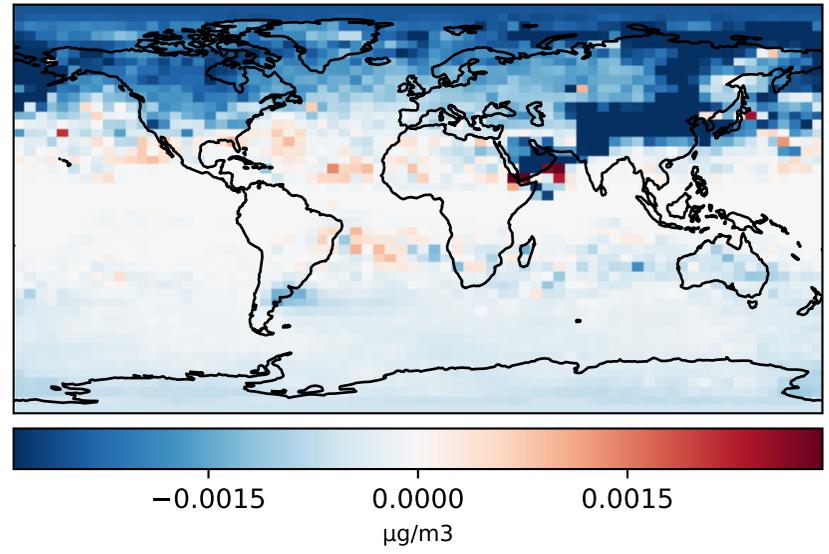
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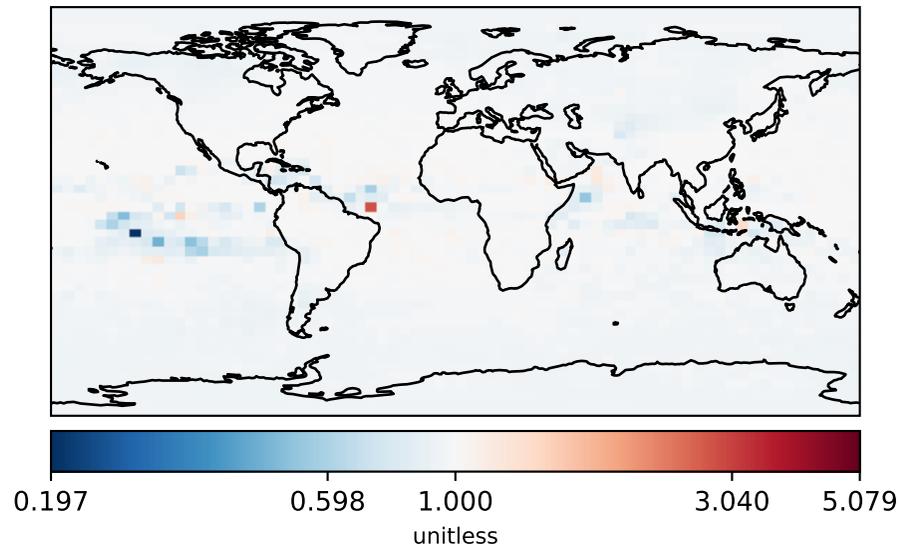
Difference
Dev - Ref, Dynamic Range



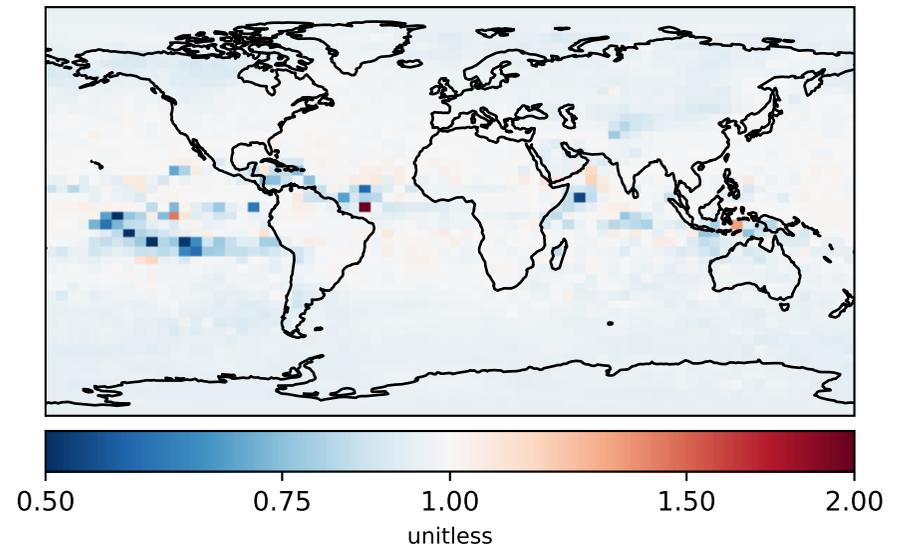
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

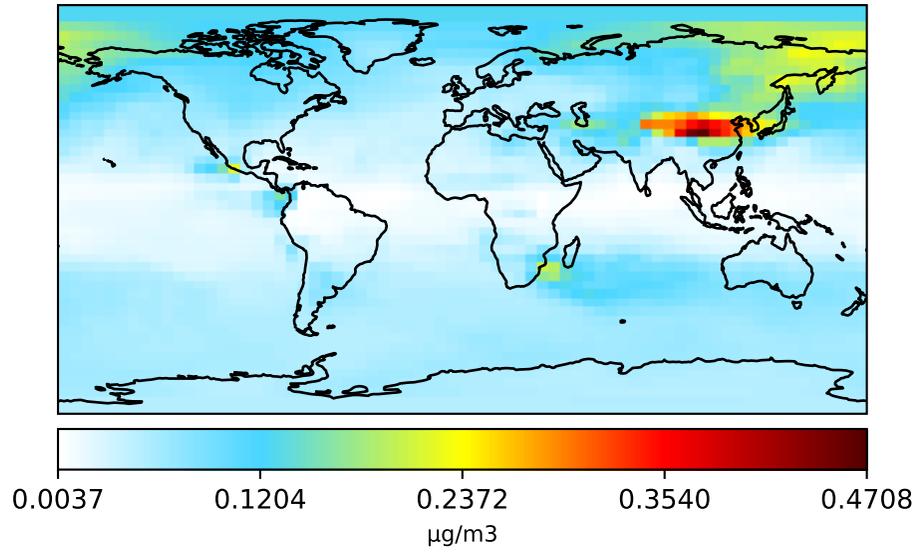


Ratio
Dev/Ref, Fixed Range

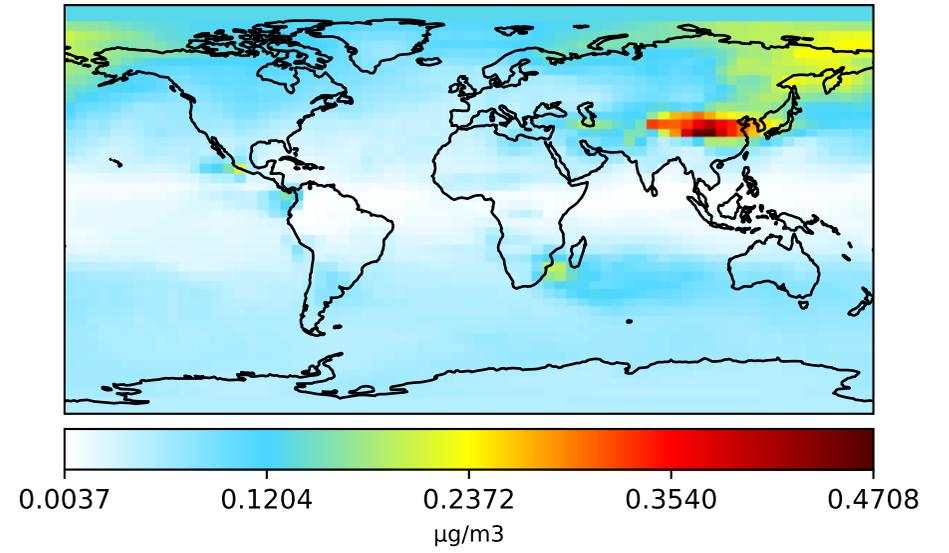


SpeciesConcVV_S04 (Oct2019)

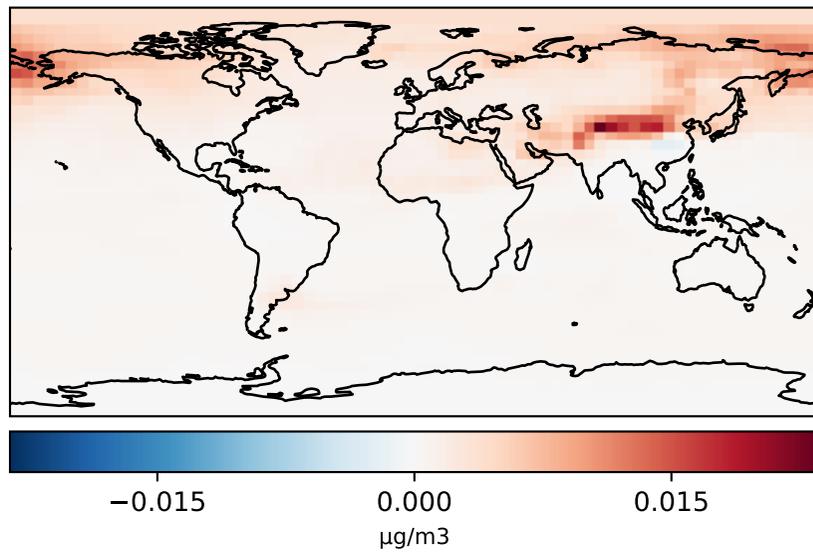
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



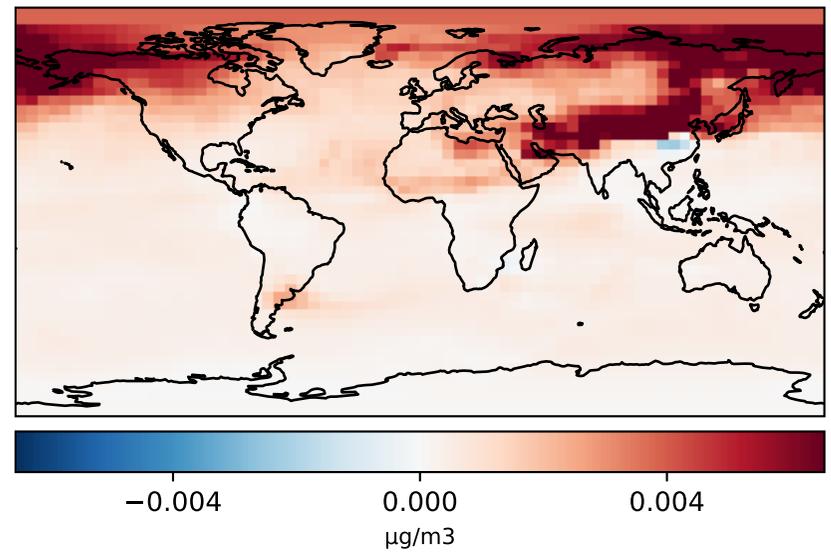
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4.0x5.0



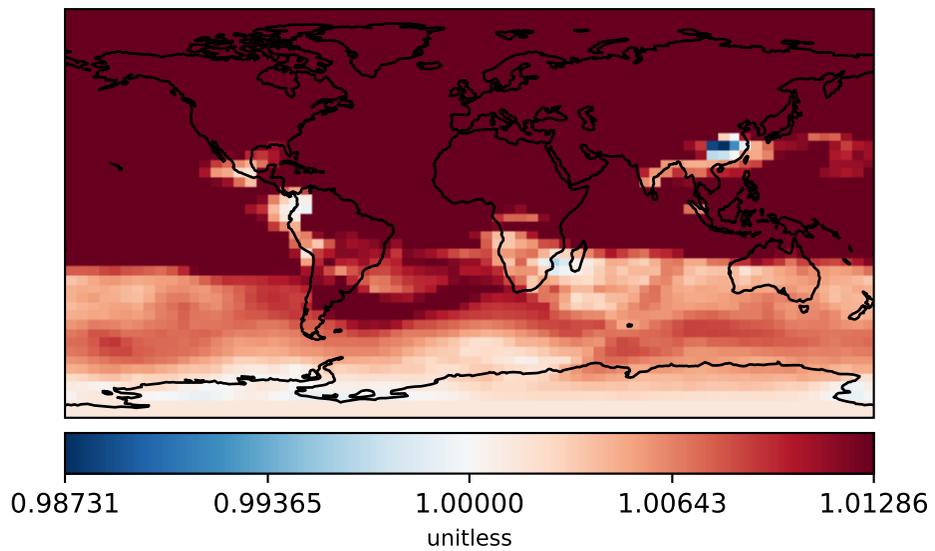
Difference
Dev - Ref, Dynamic Range



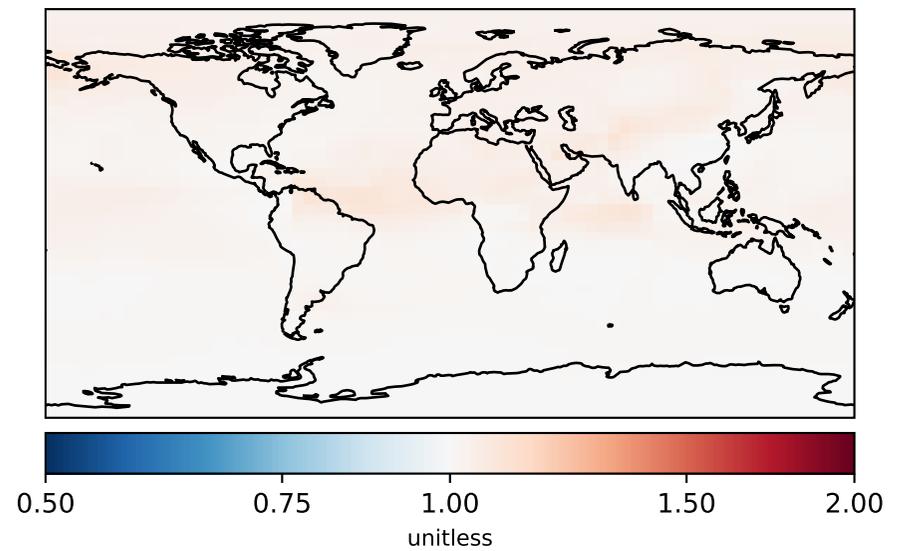
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

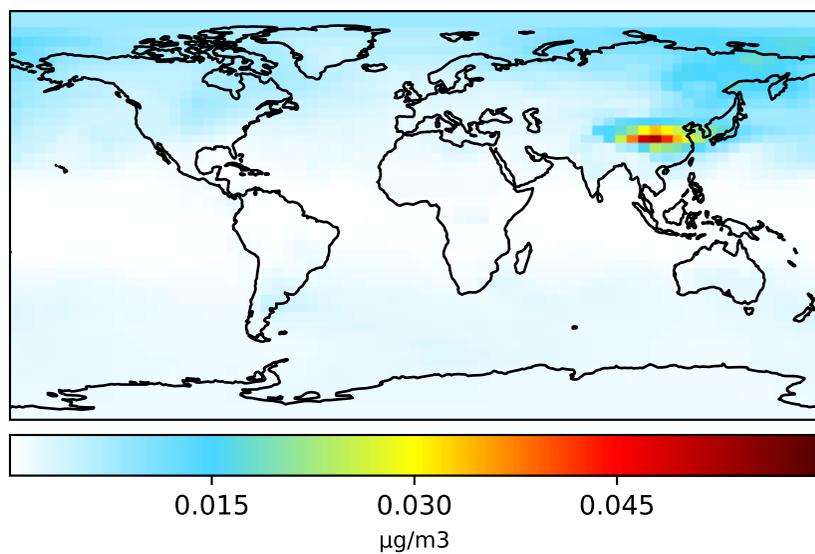


Ratio
Dev/Ref, Fixed Range

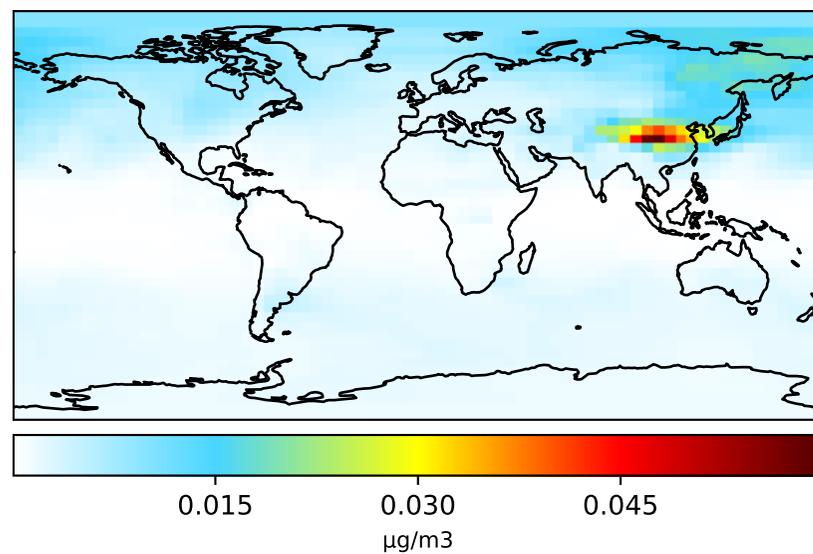


SpeciesConcVV_HMS (Oct2019)

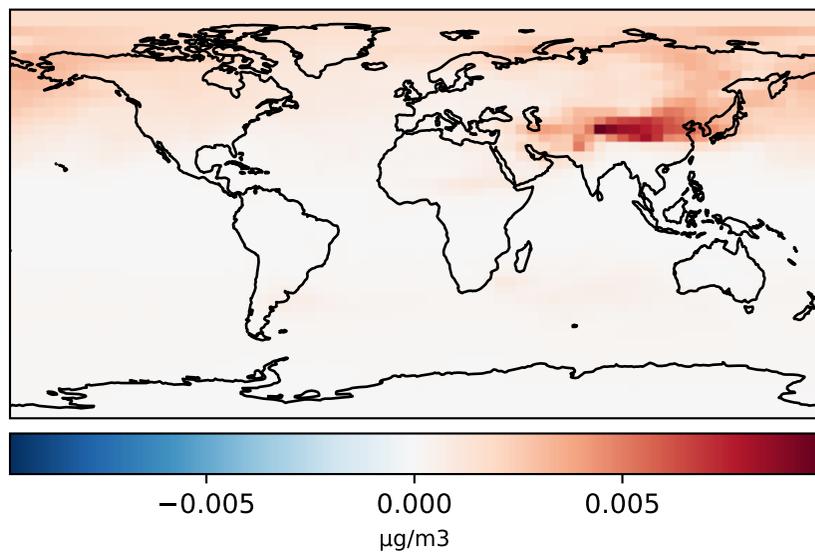
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4.0x5.0



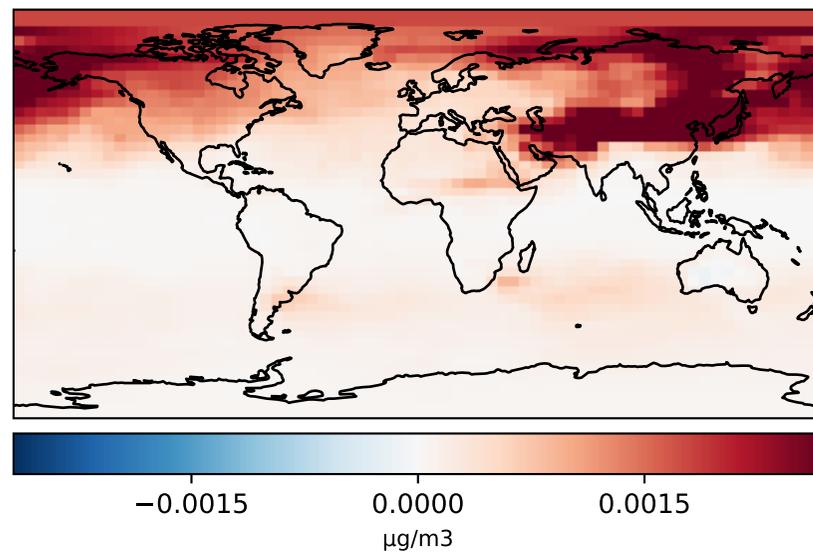
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



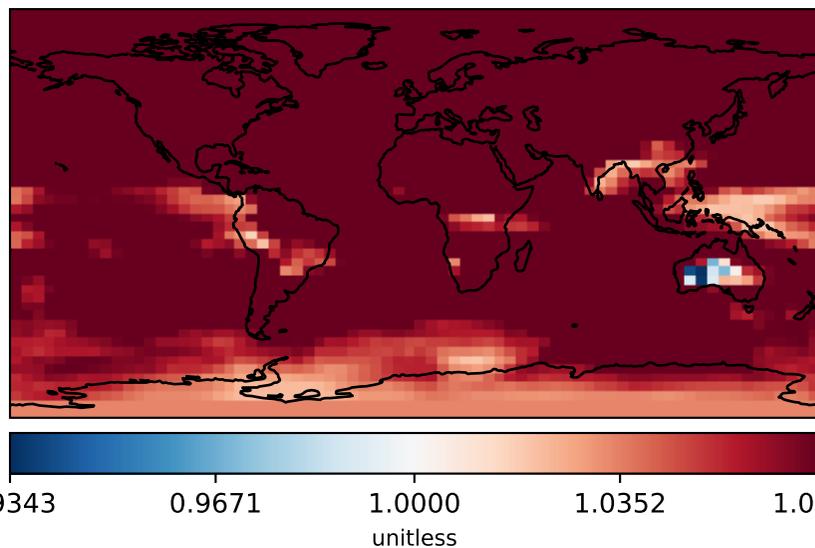
Difference
Dev - Ref, Dynamic Range



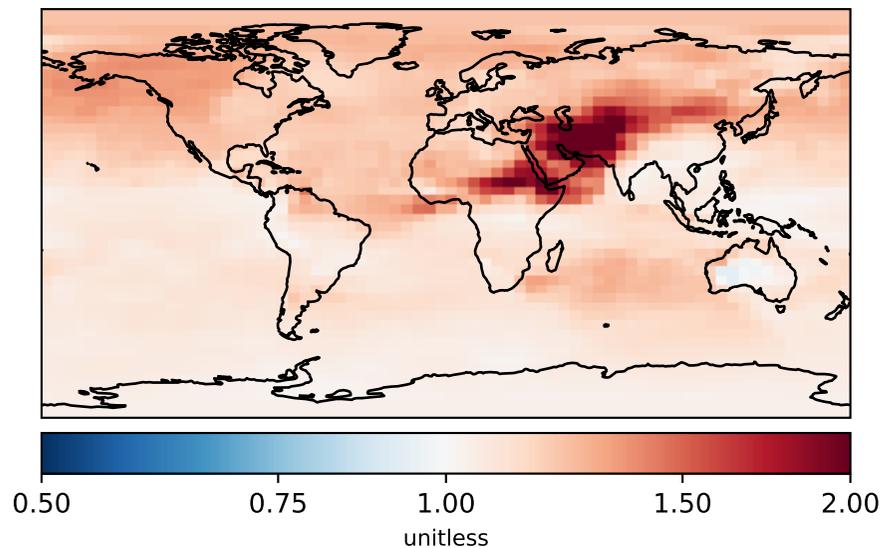
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

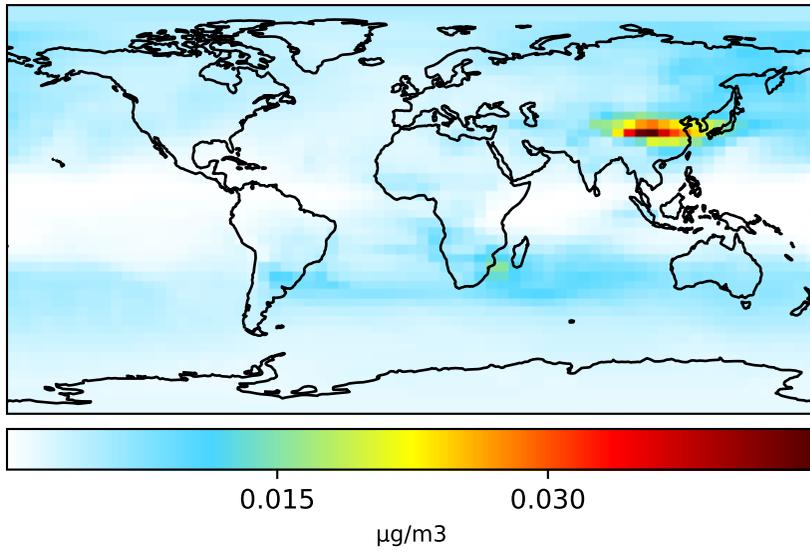


Ratio
Dev/Ref, Fixed Range

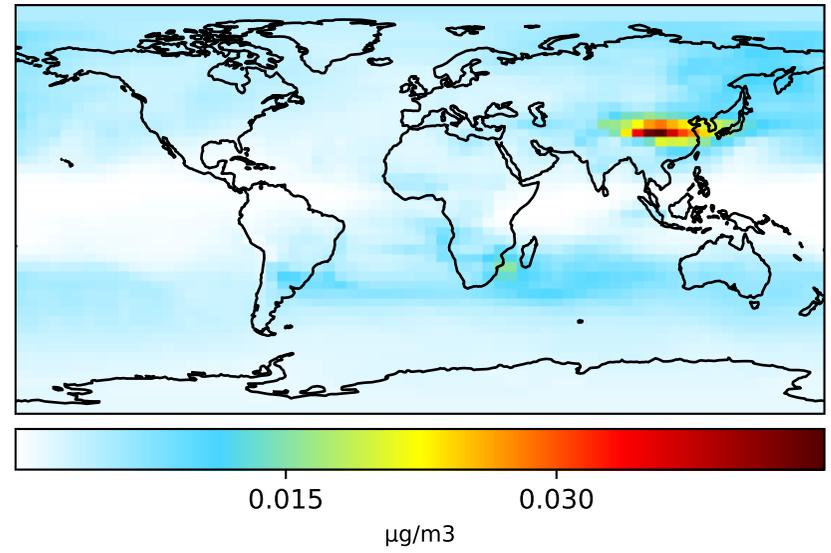


SpeciesConcVV_BCPI (Oct2019)

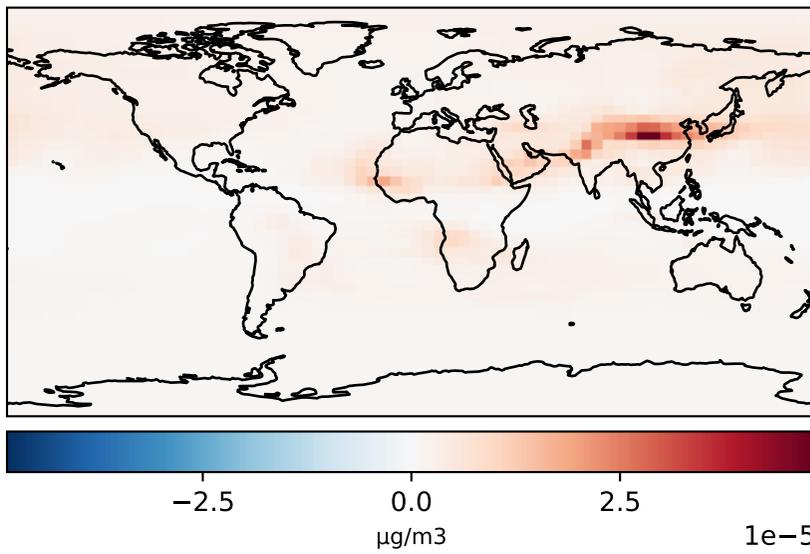
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4.0x5.0



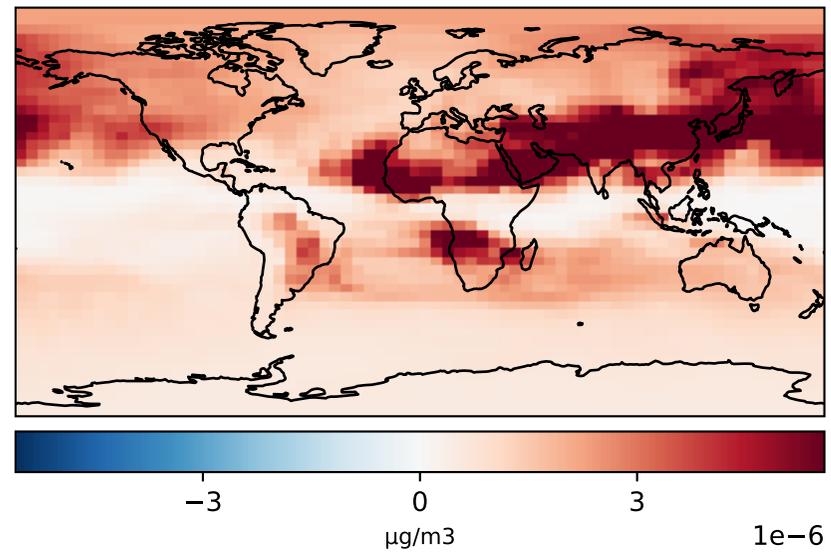
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4.0x5.0



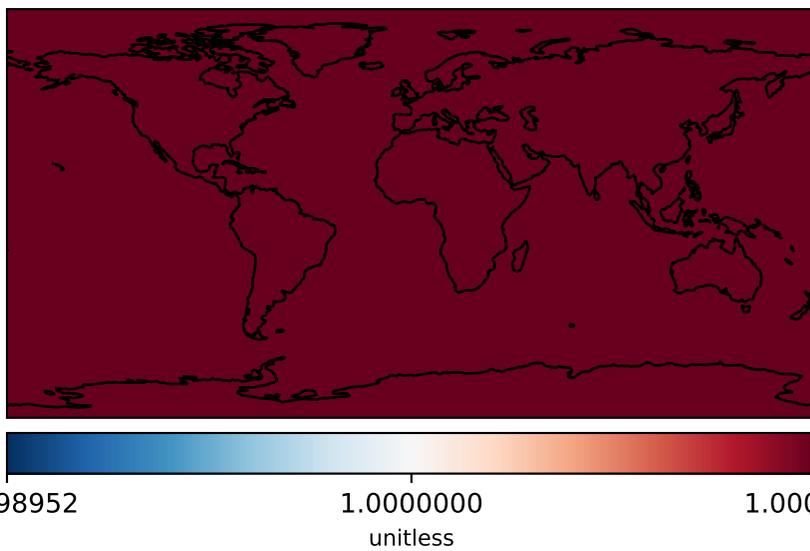
Difference
Dev - Ref, Dynamic Range



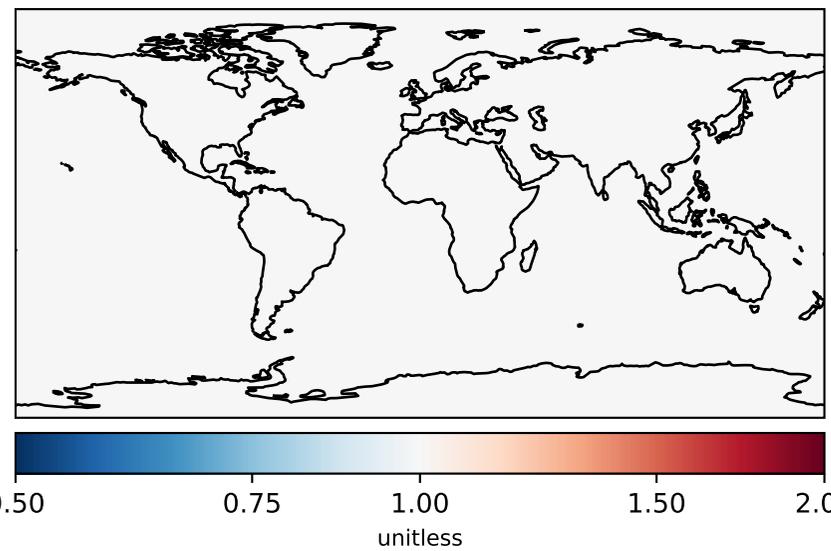
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

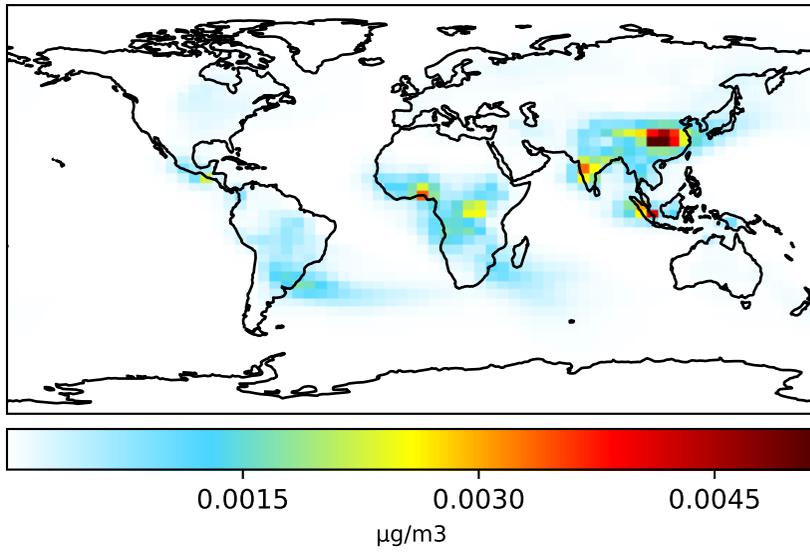


Ratio
Dev/Ref, Fixed Range

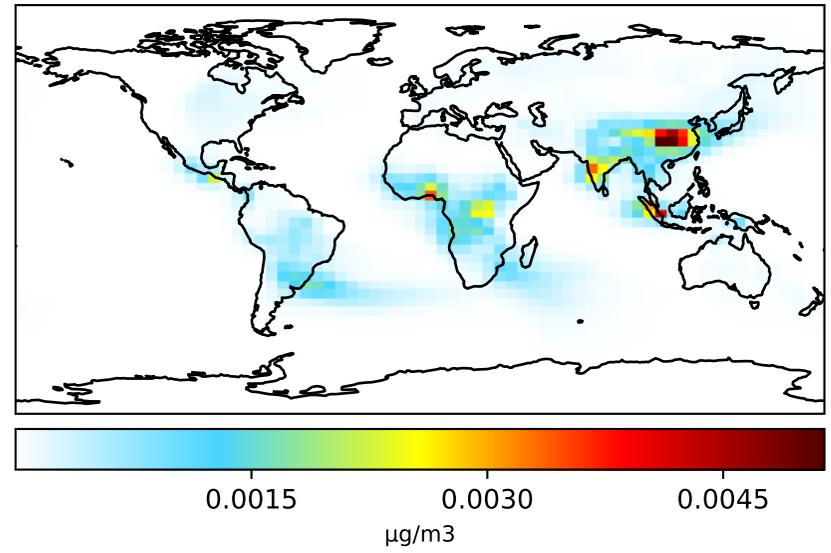


SpeciesConcVV_BCPO (Oct2019)

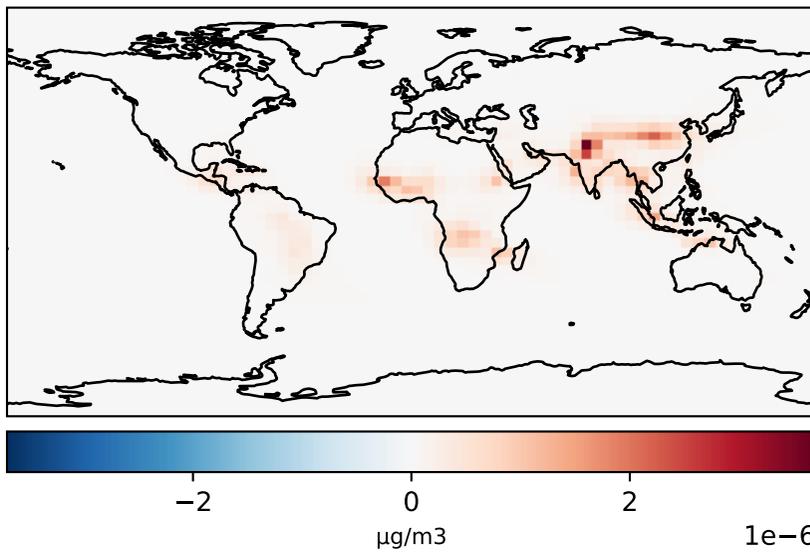
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



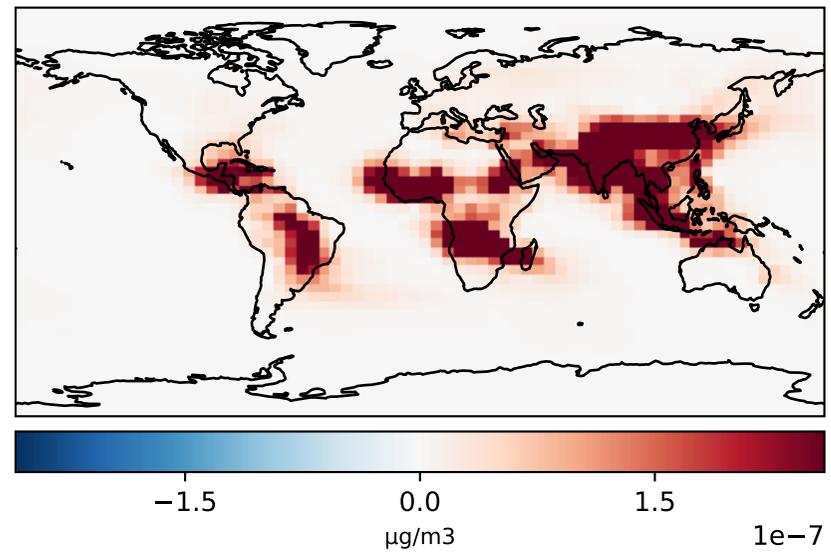
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



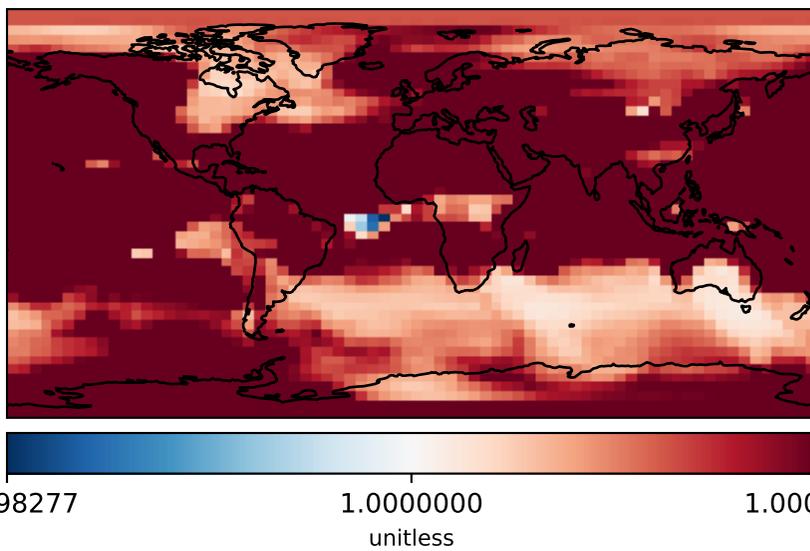
Difference
Dev - Ref, Dynamic Range



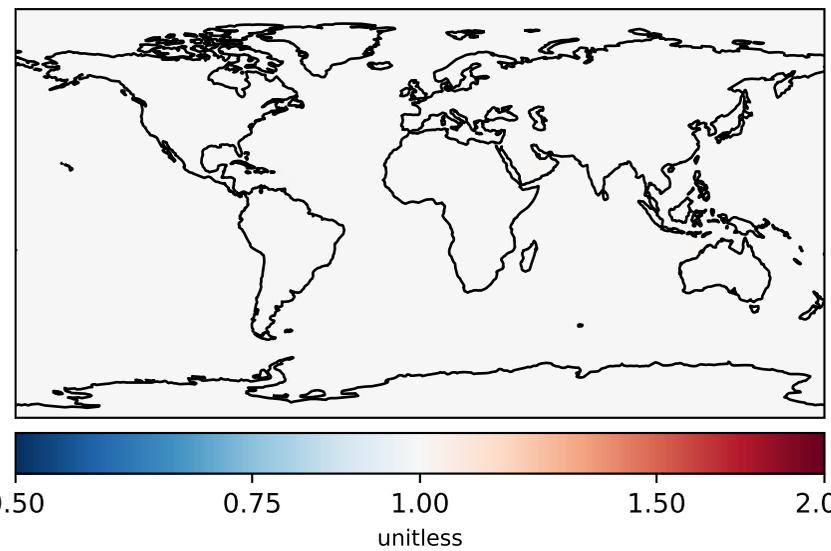
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

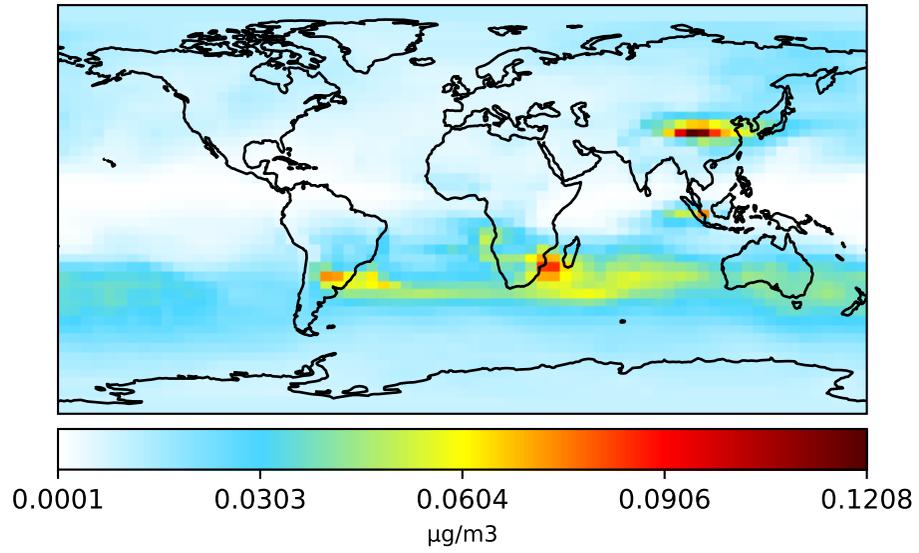


Ratio
Dev/Ref, Fixed Range

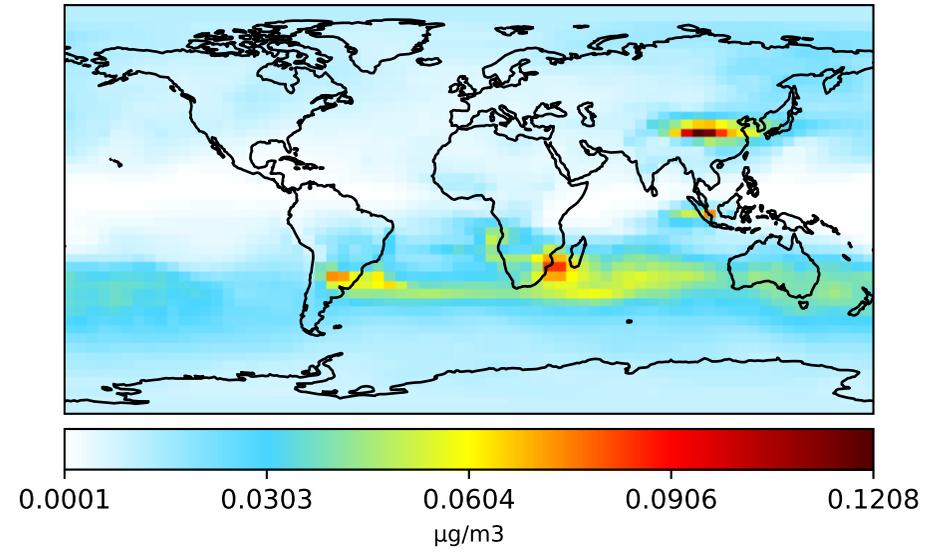


SpeciesConcVV_OCPI (Oct2019)

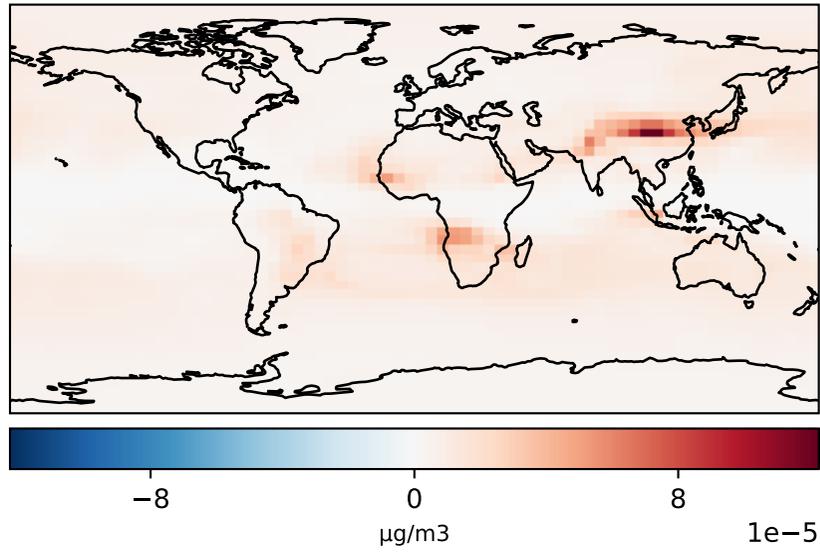
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



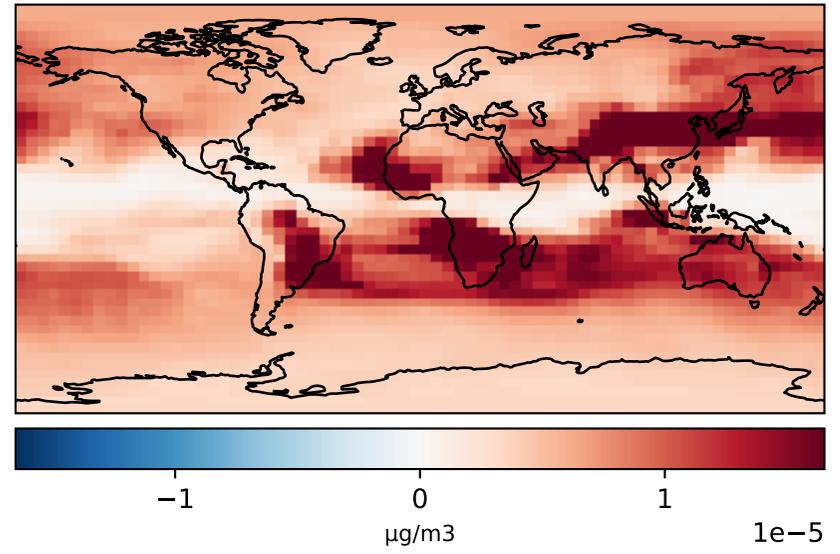
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4.0x5.0



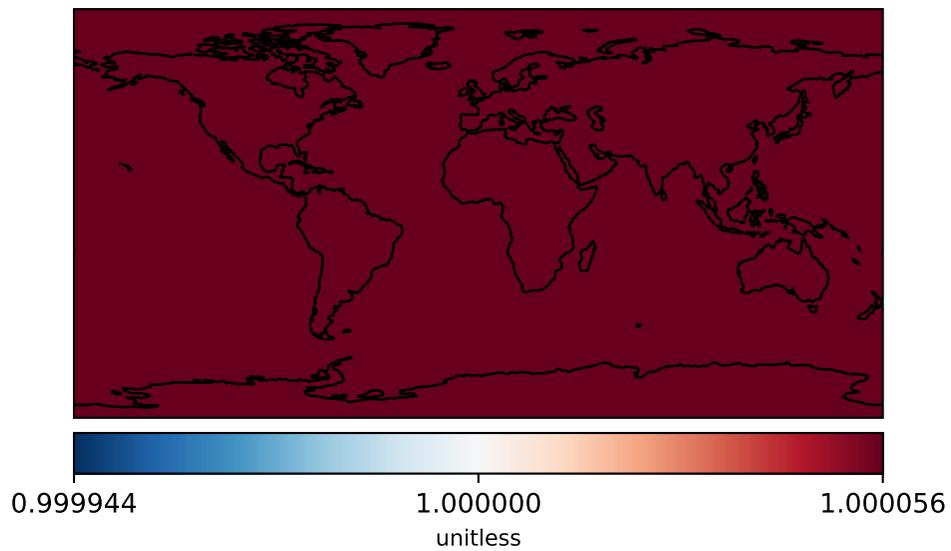
Difference
Dev - Ref, Dynamic Range



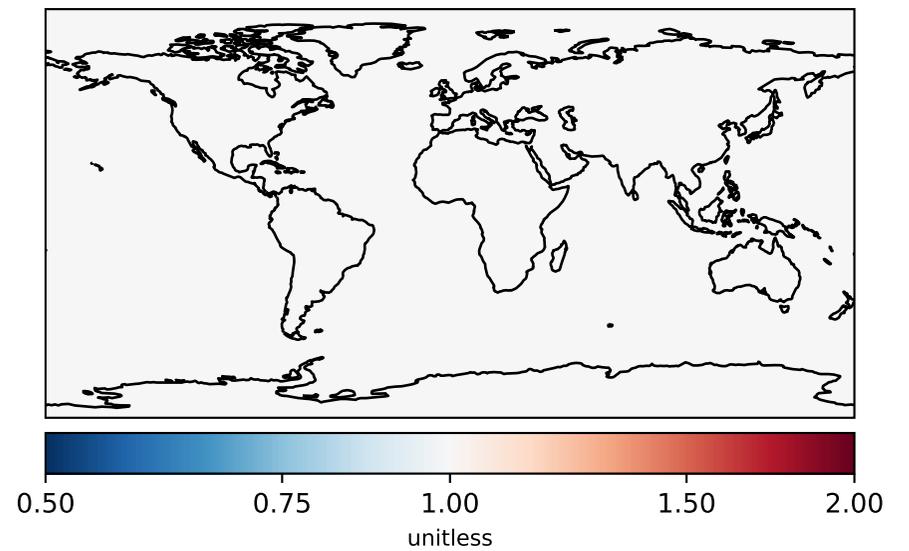
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

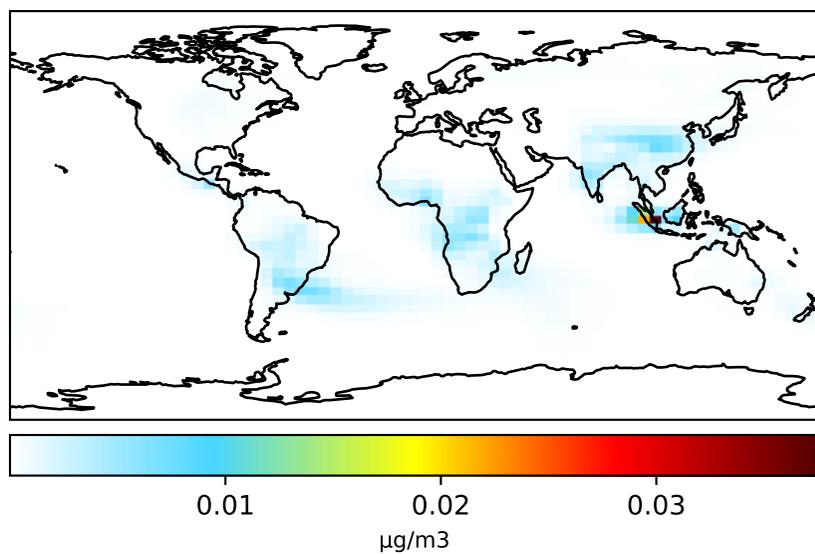


Ratio
Dev/Ref, Fixed Range

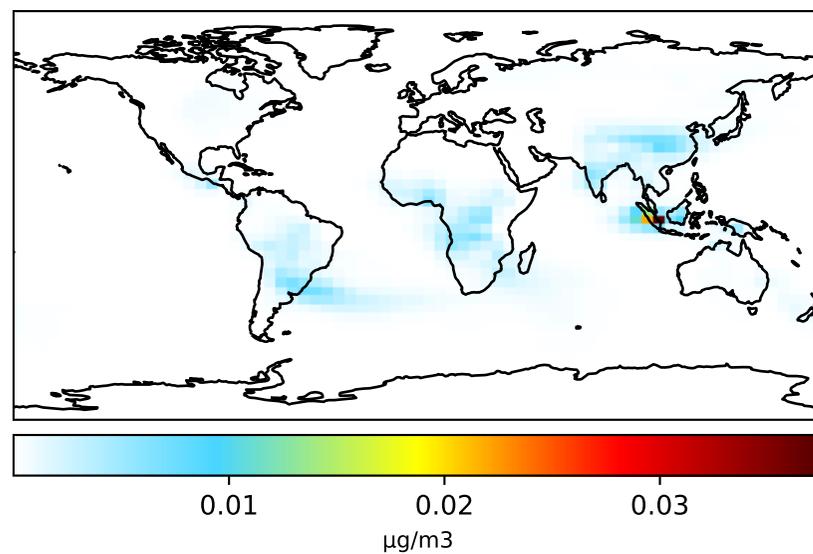


SpeciesConcVV_OCPO (Oct2019)

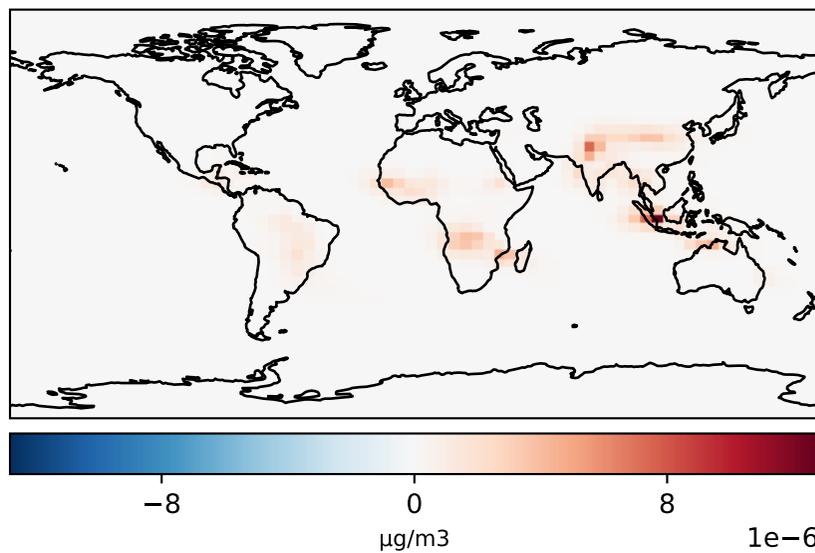
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4.0x5.0



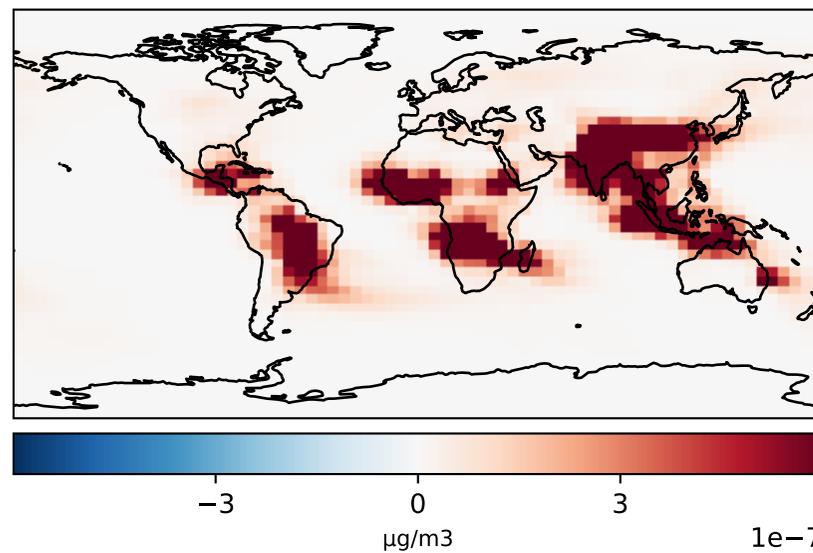
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4.0x5.0



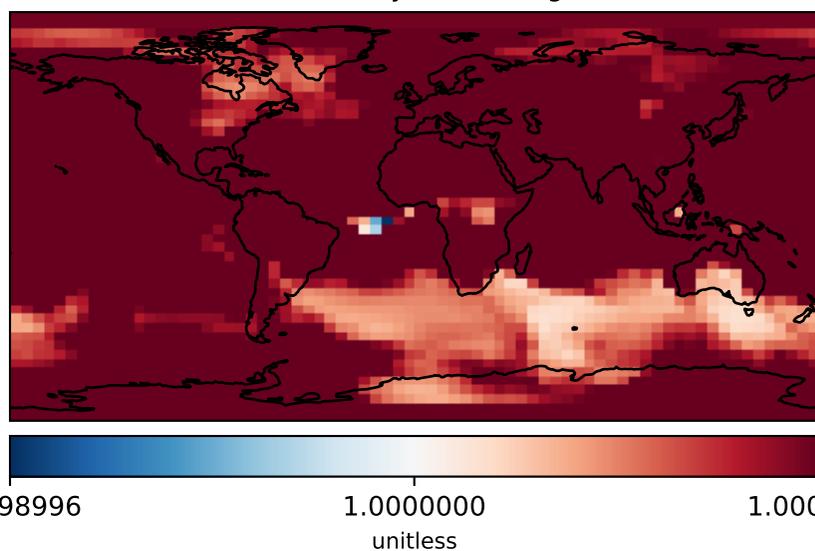
Difference
Dev - Ref, Dynamic Range



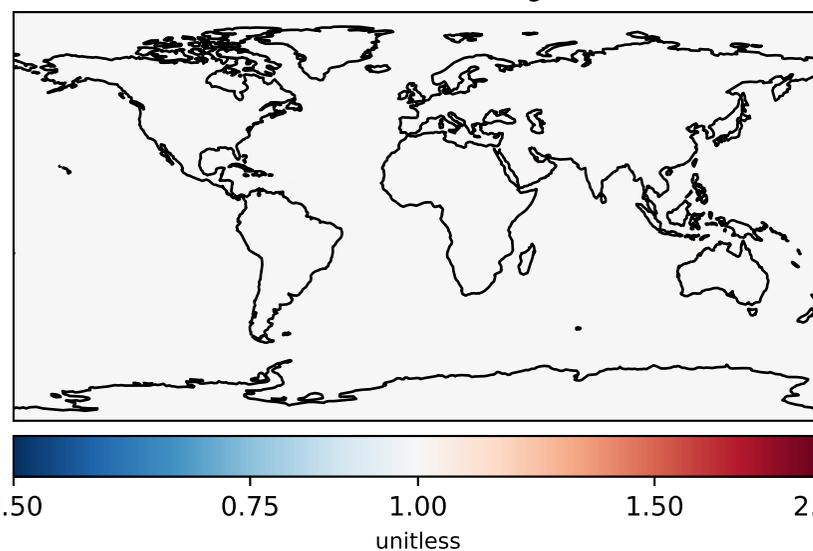
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



0.9998996

1.0000000

1.0001005

unitless

0.50

0.75

1.00

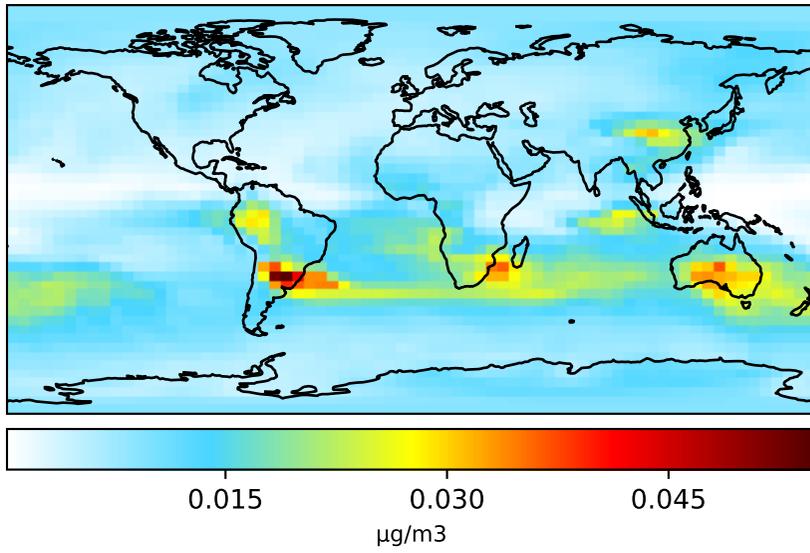
1.50

2.00

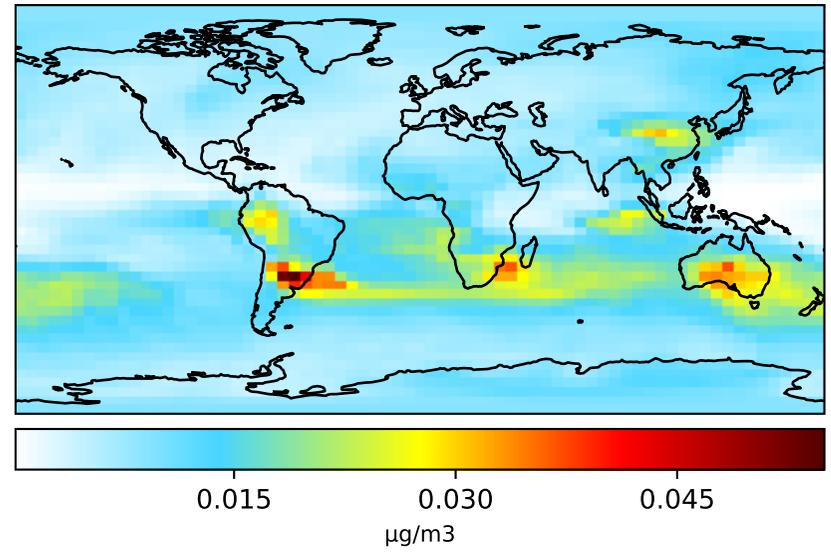
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SpeciesConcVV_Complex_SOA (Oct2019)

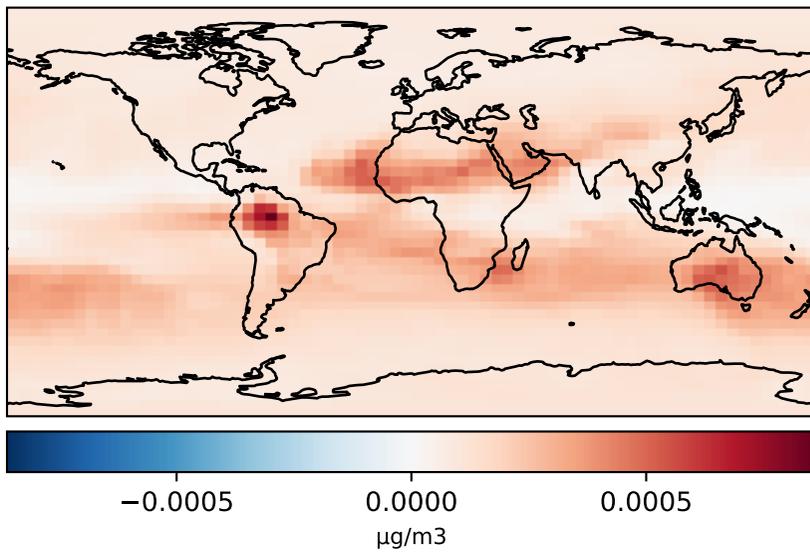
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4.0x5.0



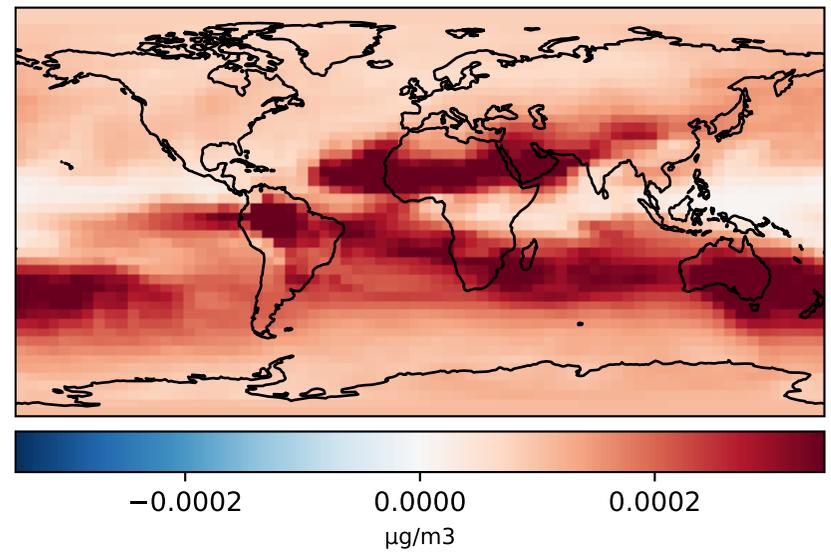
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



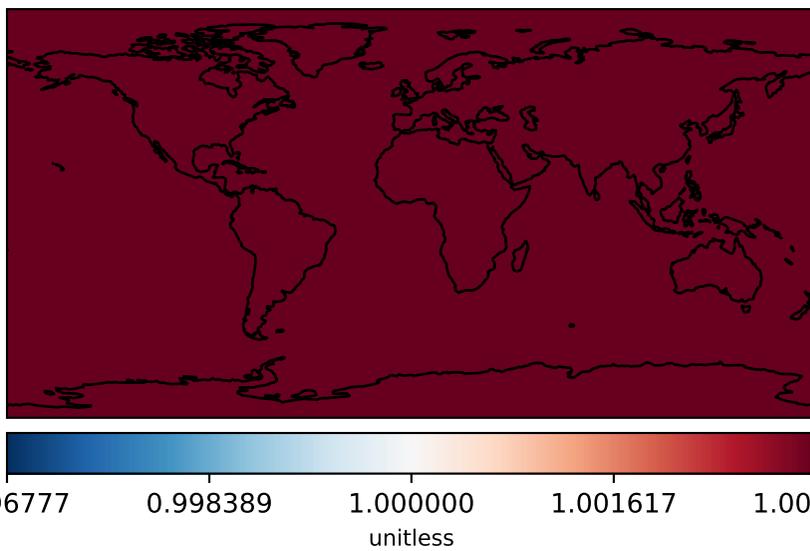
Difference
Dev - Ref, Dynamic Range



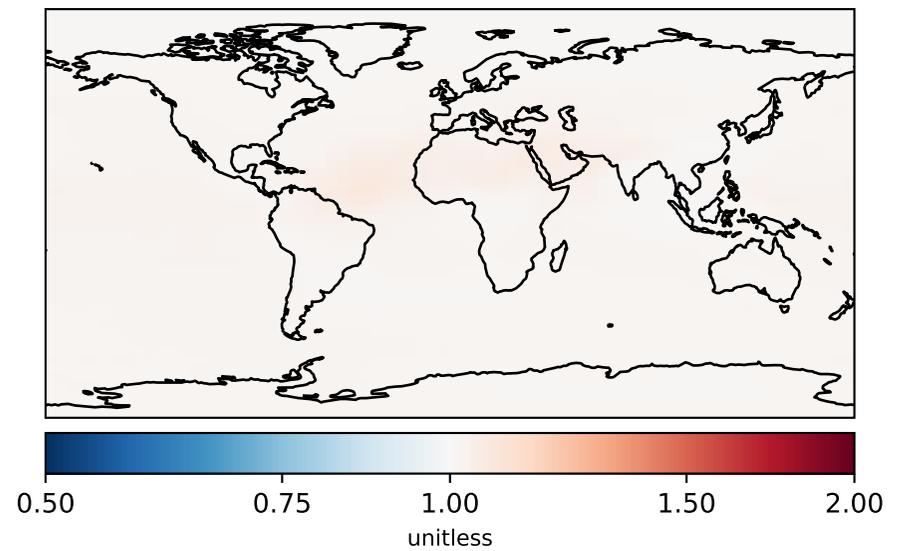
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

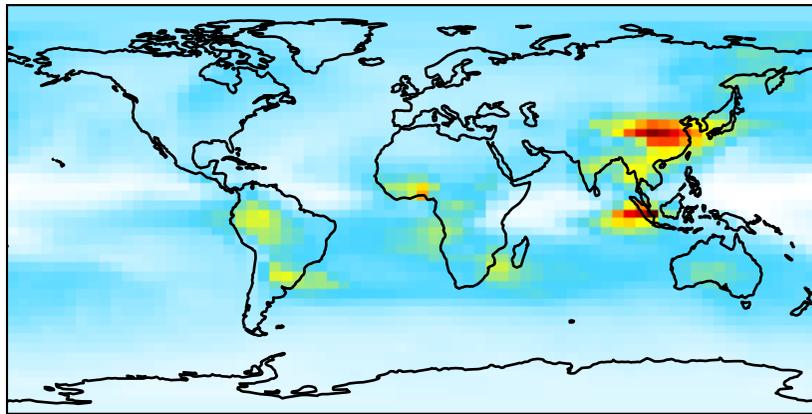


Ratio
Dev/Ref, Fixed Range



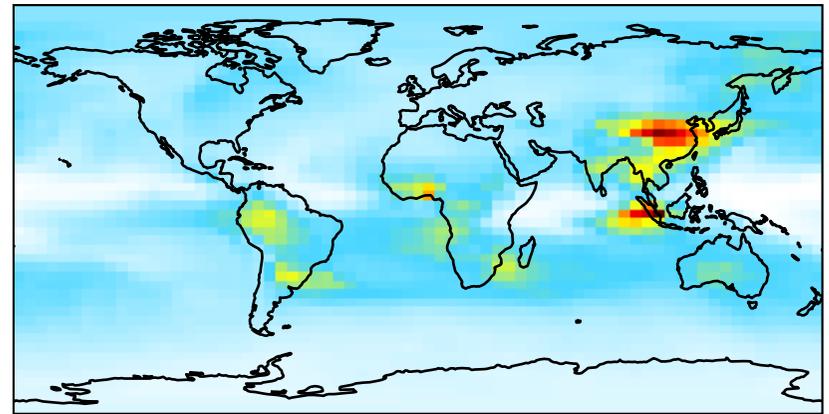
SpeciesConcVV_Simple_SOA (Oct2019)

gcc.14.5.0-rc.0 (Ref)
4.0x5.0



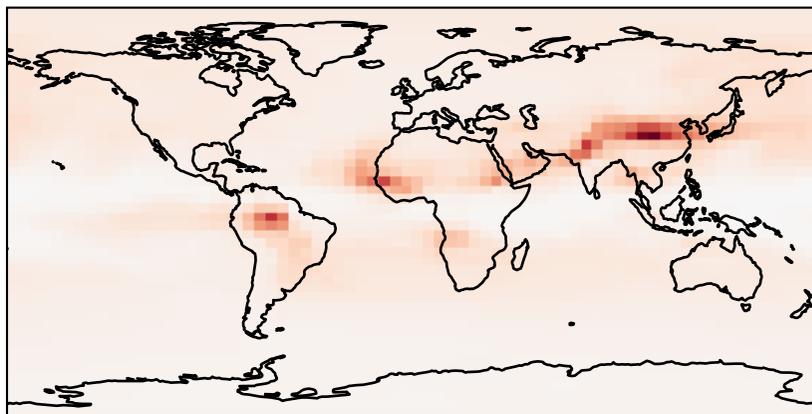
0.0018 0.1026 0.2034 0.3042 0.4049
 $\mu\text{g}/\text{m}^3$

gcc.14.7.0-rc.0 (Dev)
4.0x5.0



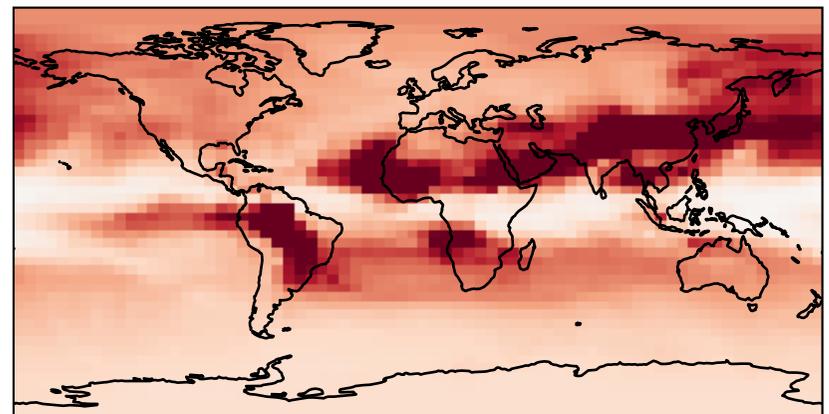
0.0018 0.1026 0.2034 0.3042 0.4049
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



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

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



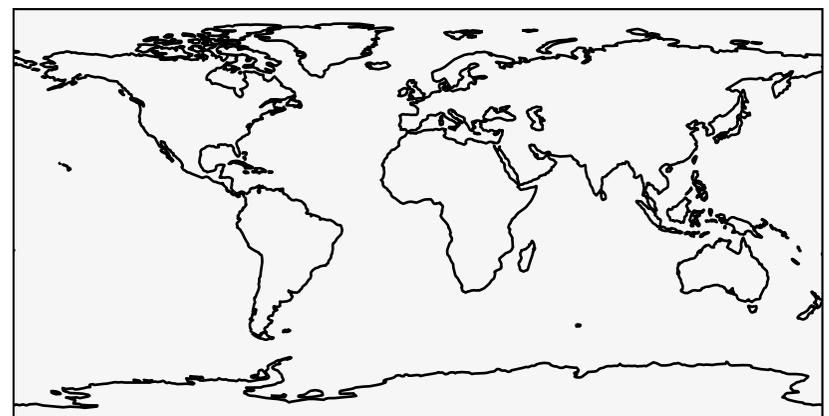
-3 0 3
 $\mu\text{g}/\text{m}^3$ $1\text{e}-5$

Ratio
Dev/Ref, Dynamic Range



0.99997103 1.00000000 1.00002897
unitless

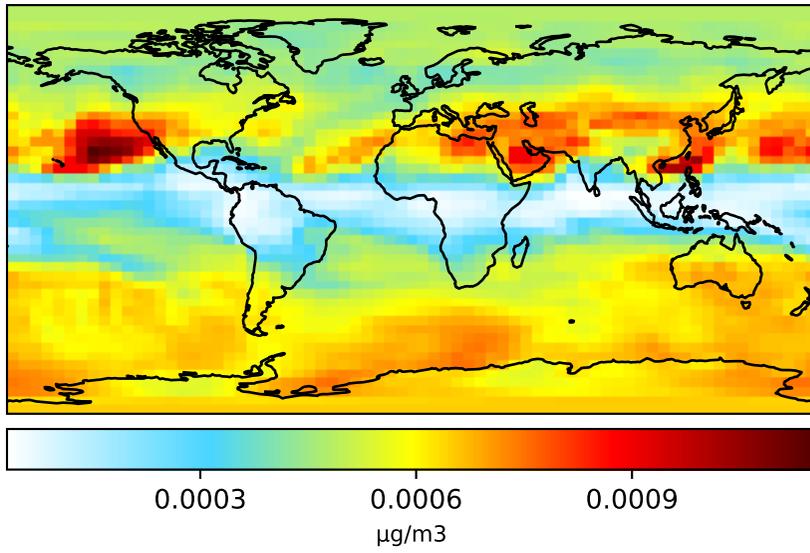
Ratio
Dev/Ref, Fixed Range



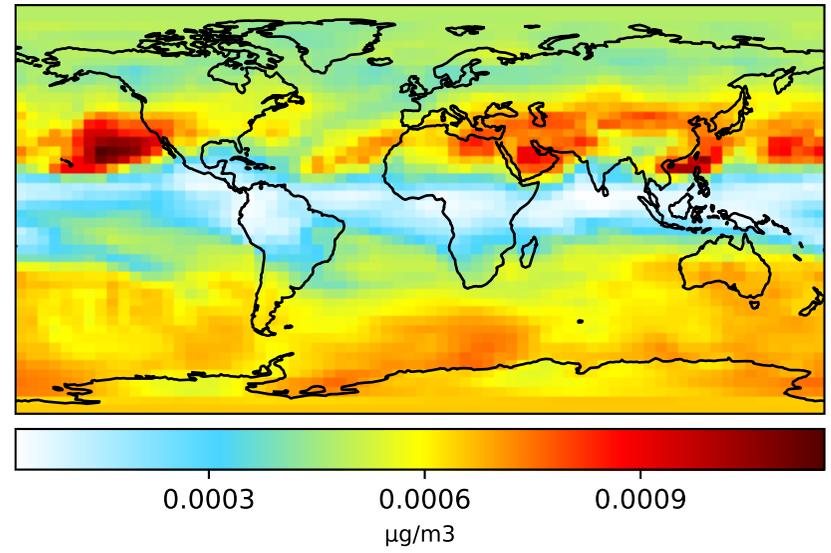
0.50 0.75 1.00 1.50 2.00
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SpeciesConcVV_AERI (Oct2019)

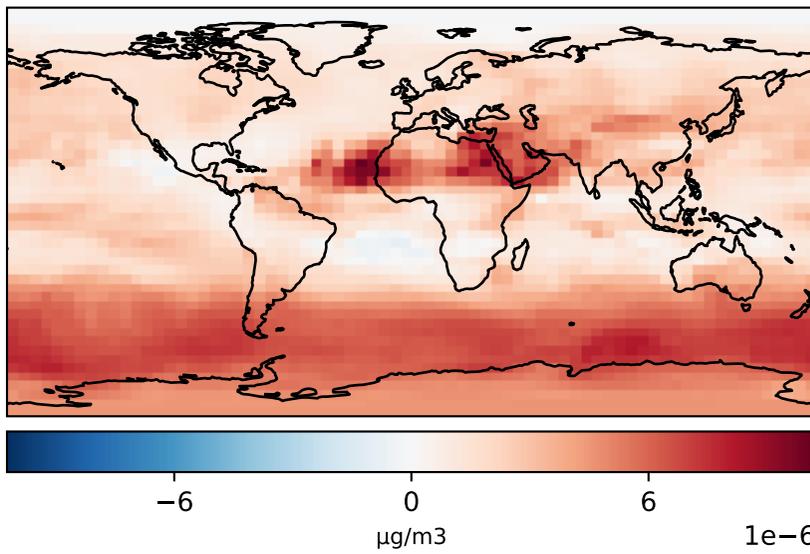
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



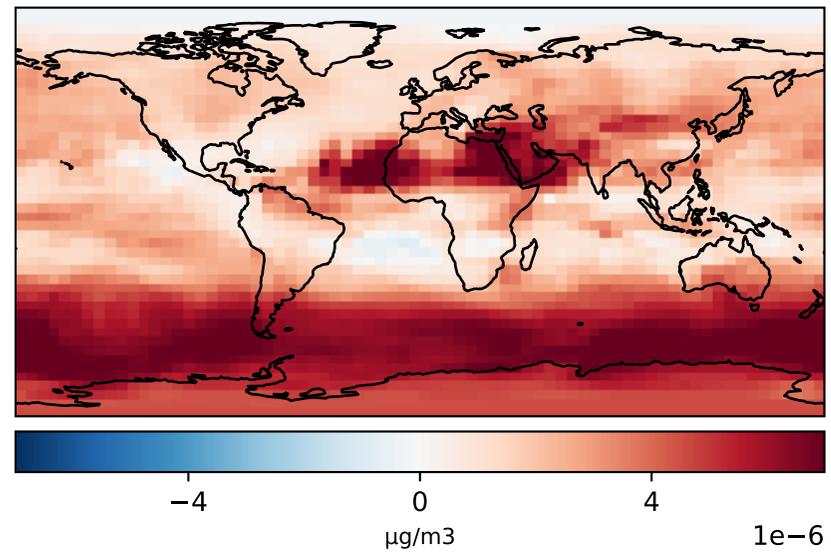
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



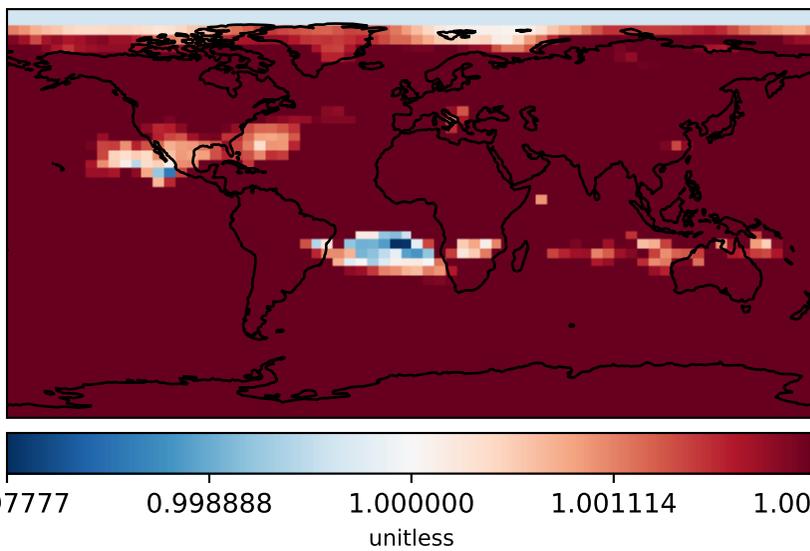
Difference
Dev - Ref, Dynamic Range



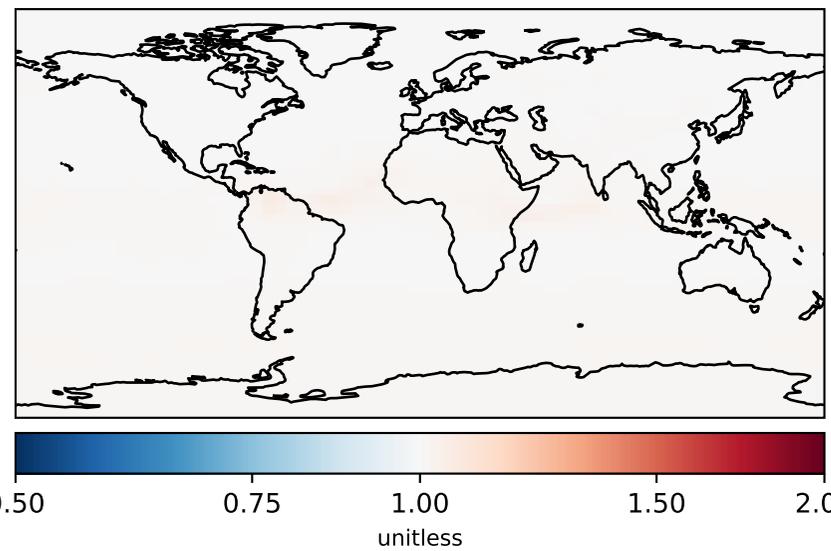
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

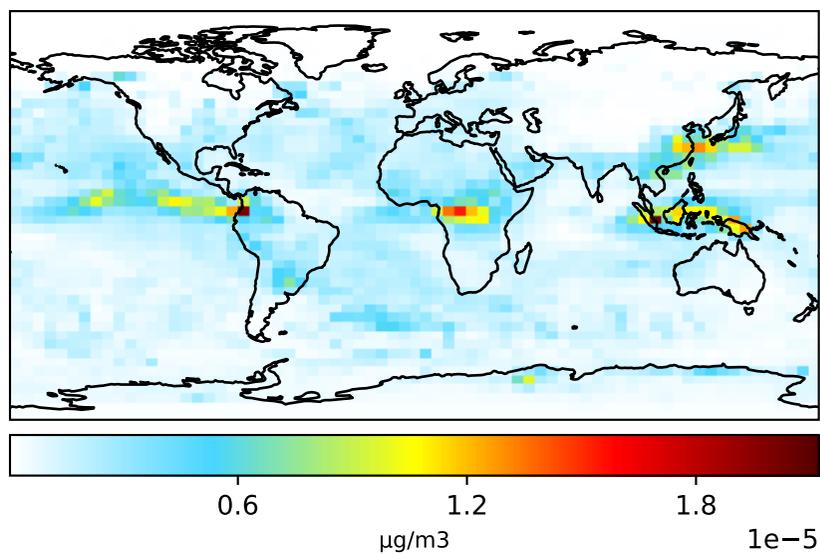


Ratio
Dev/Ref, Fixed Range

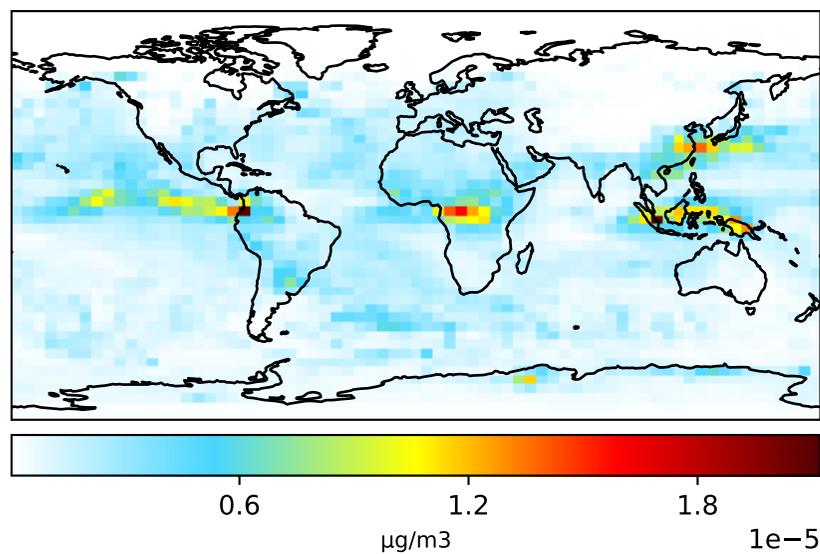


SpeciesConcVV_BrSALA (Oct2019)

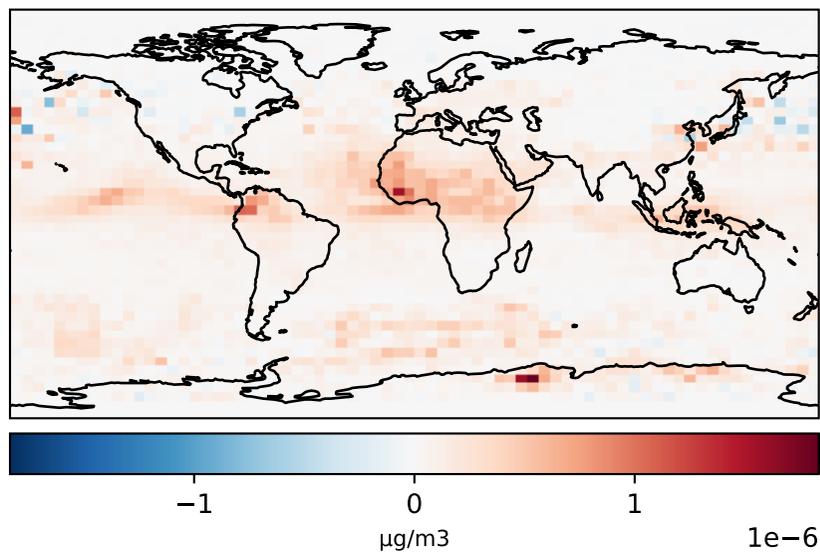
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



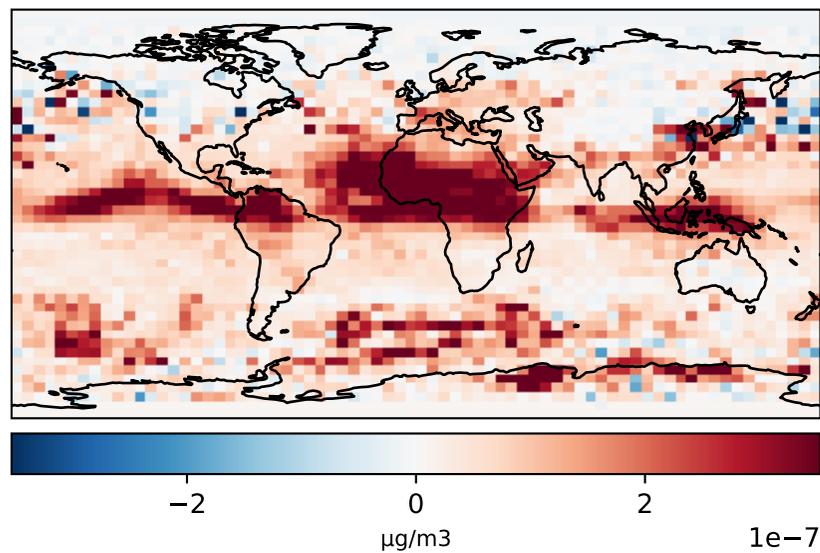
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



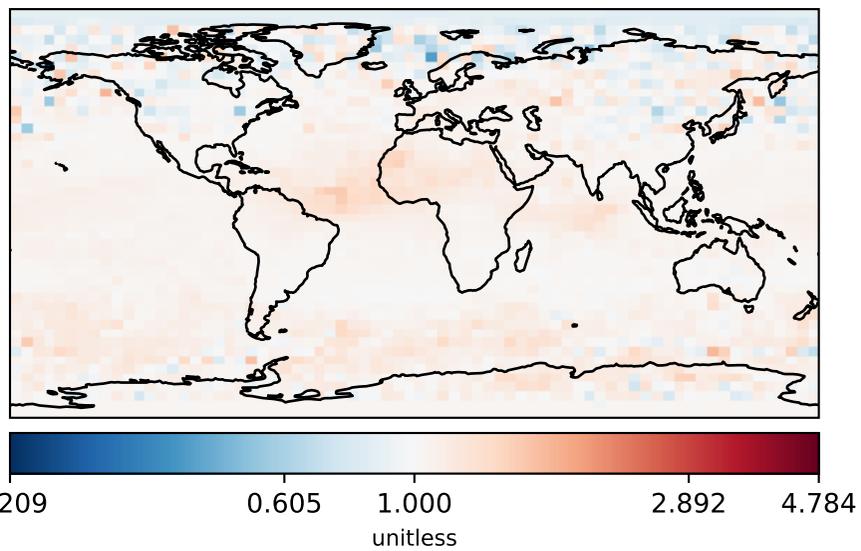
Difference
Dev - Ref, Dynamic Range



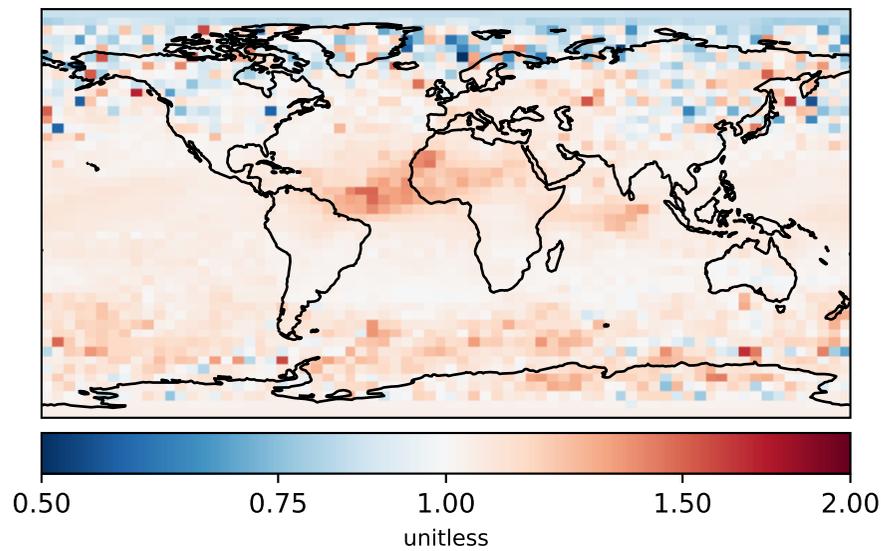
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

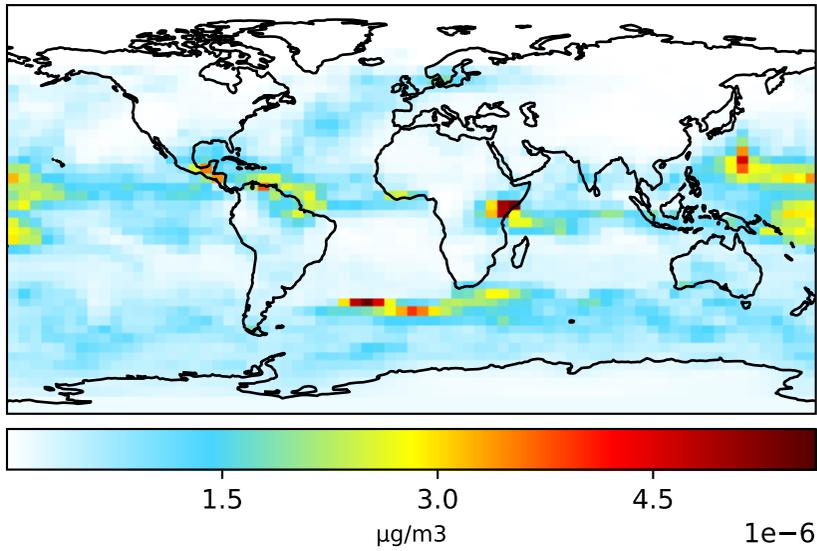


Ratio
Dev/Ref, Fixed Range

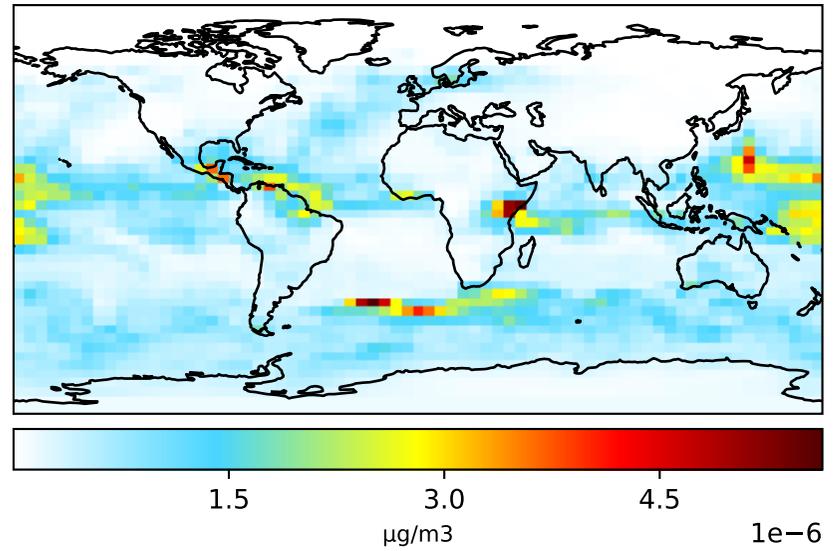


SpeciesConcVV_BrSALC (Oct2019)

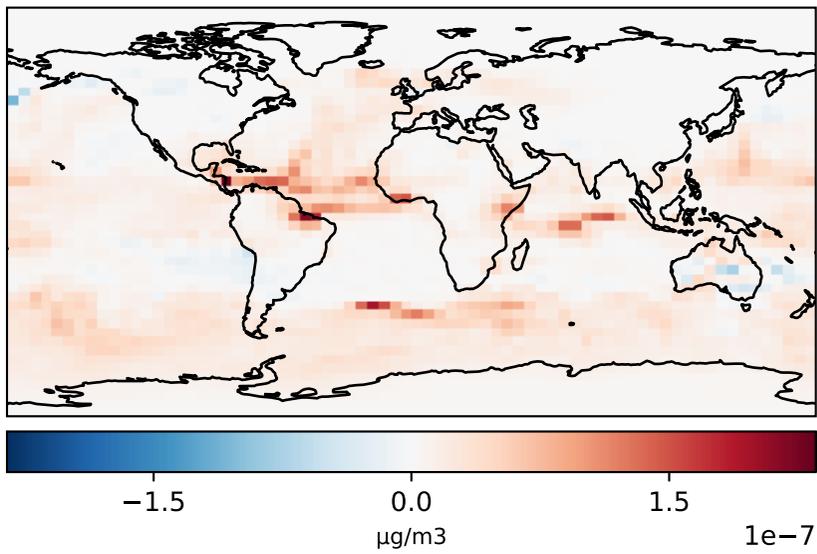
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



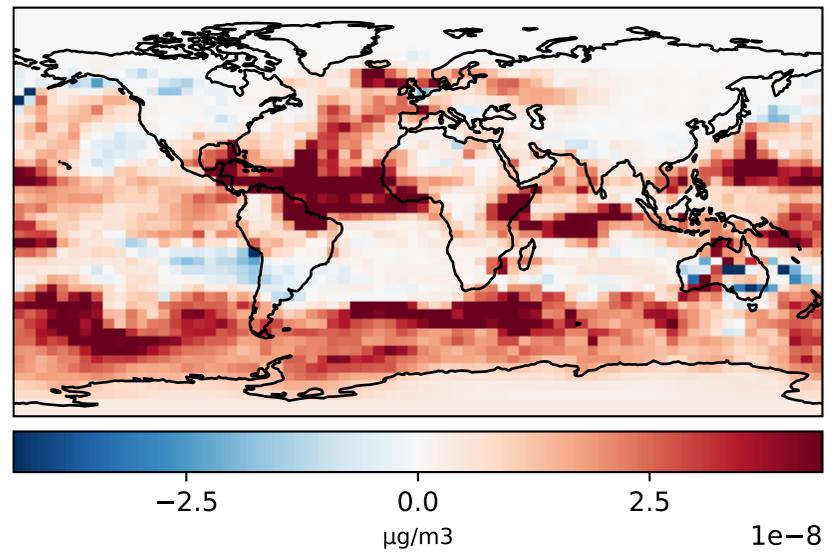
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



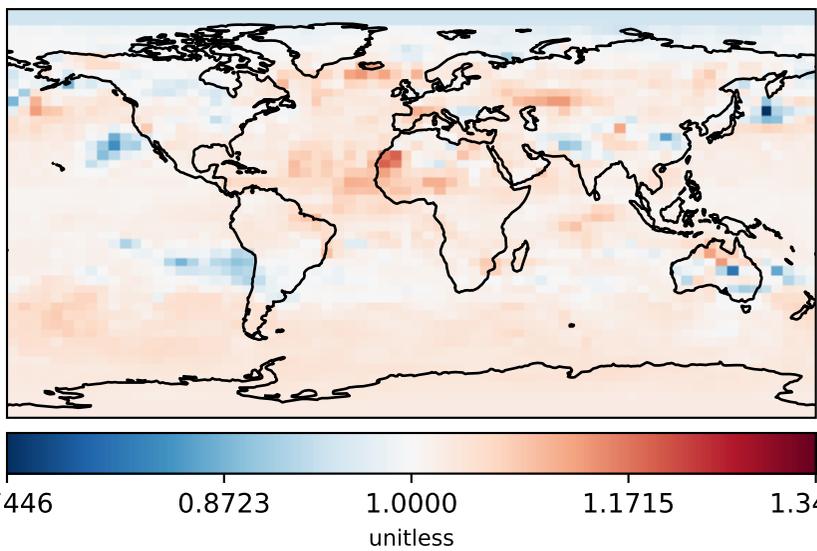
Difference
Dev - Ref, Dynamic Range



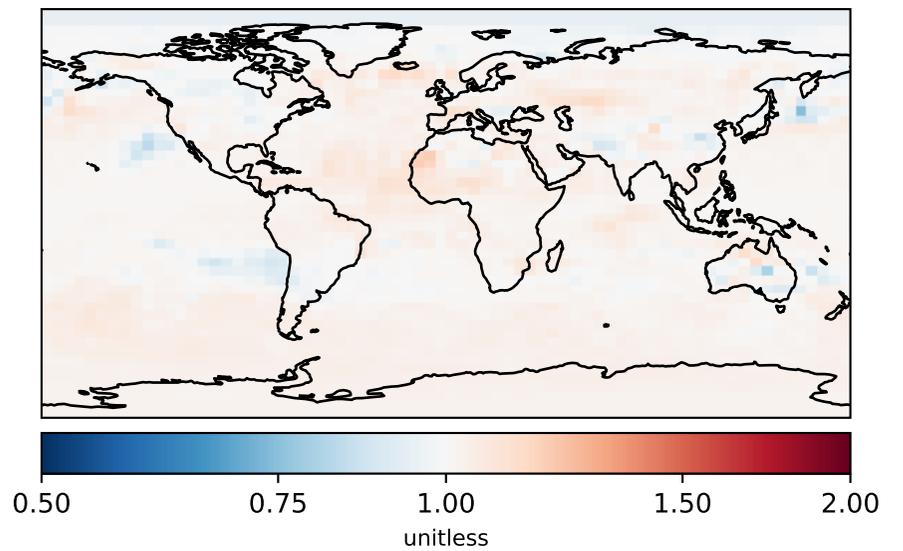
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

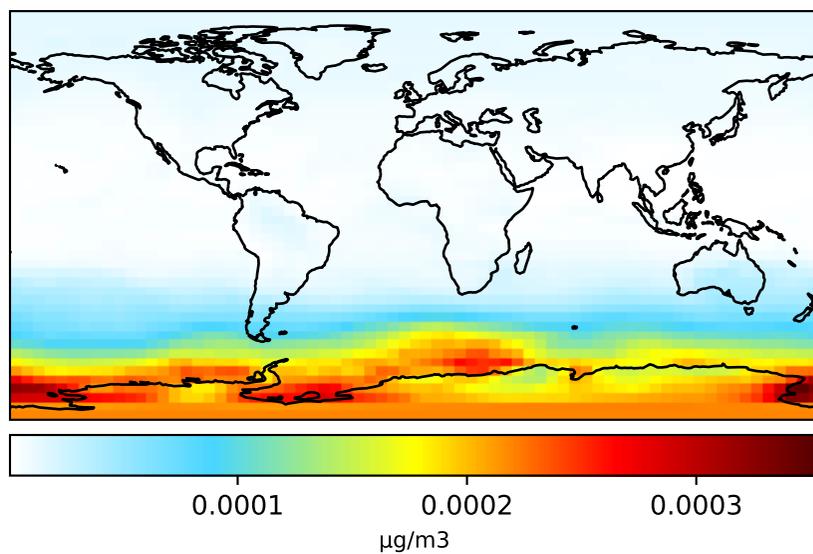


Ratio
Dev/Ref, Fixed Range

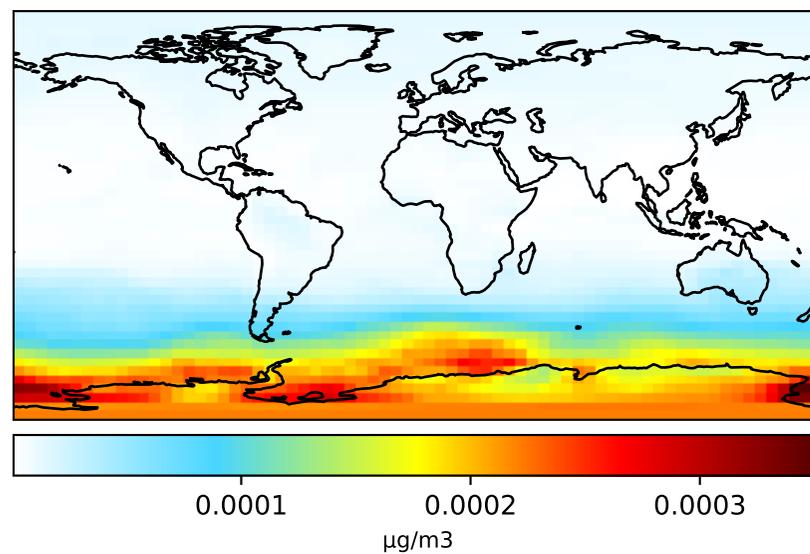


SpeciesConcVV_ISALA (Oct2019)

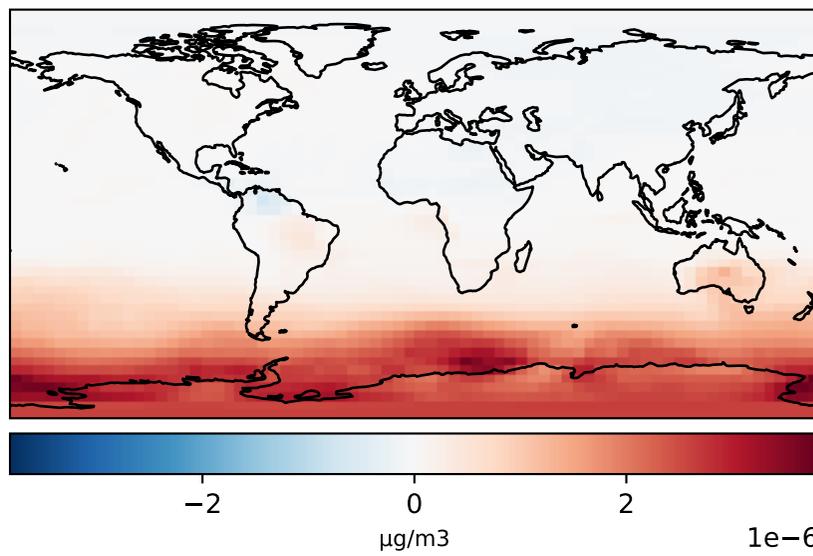
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4.0x5.0



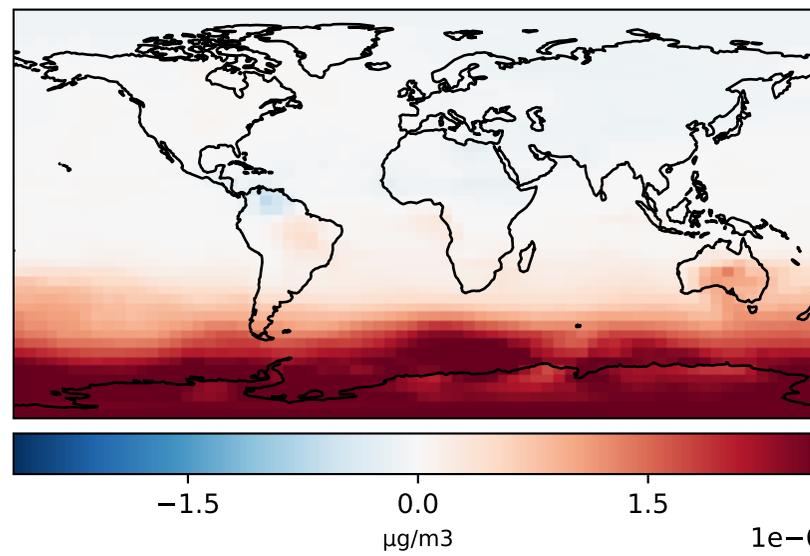
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4.0x5.0



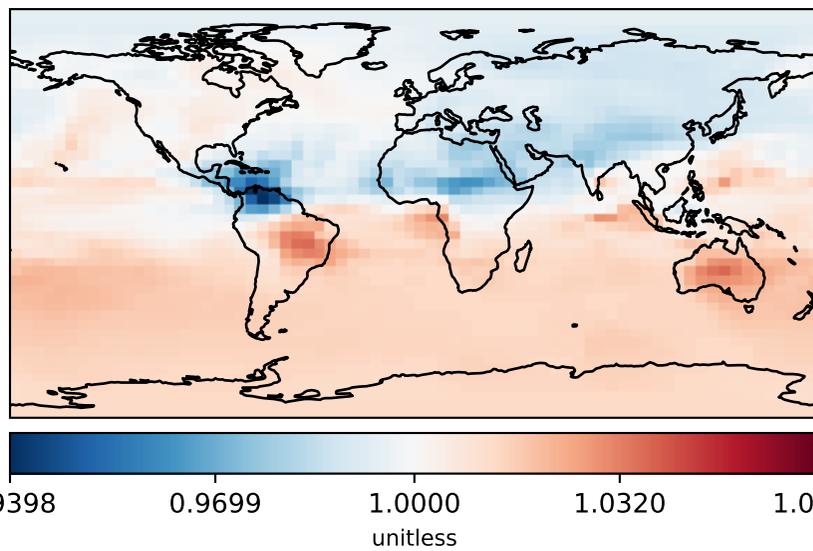
Difference
Dev - Ref, Dynamic Range



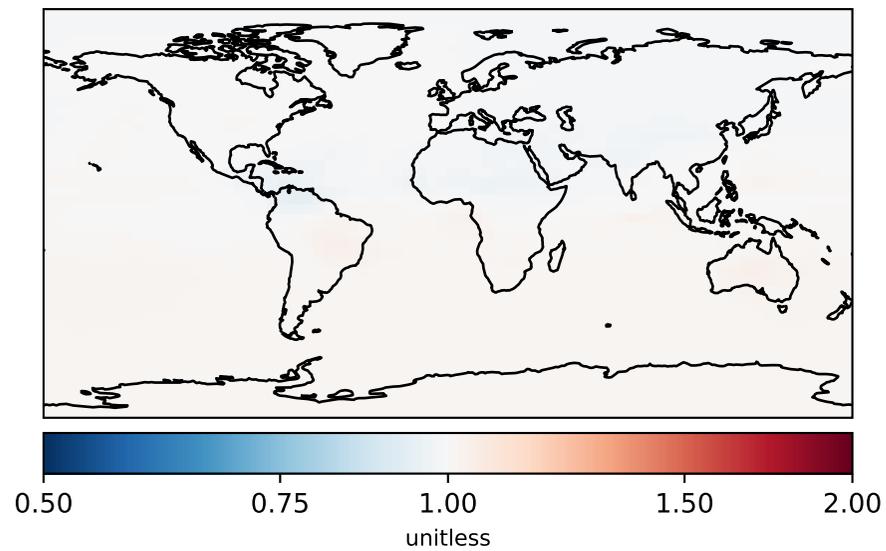
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

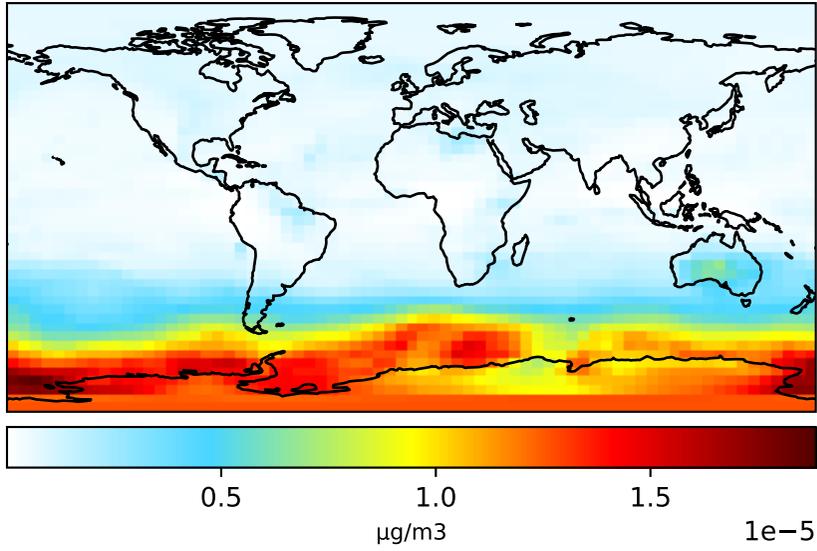


Ratio
Dev/Ref, Fixed Range

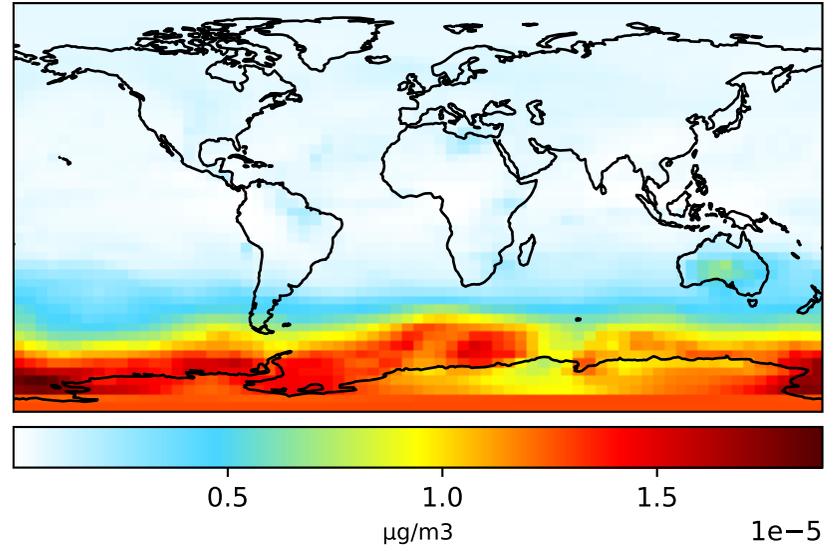


SpeciesConcVV_ISALC (Oct2019)

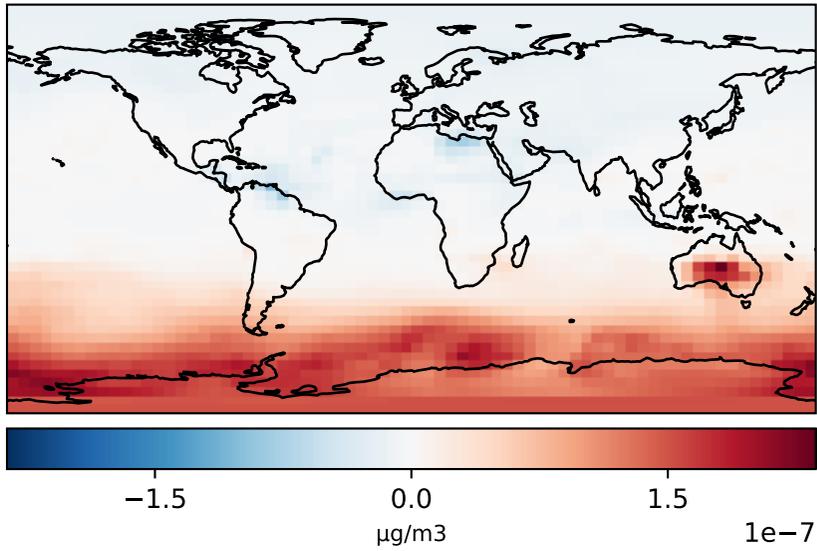
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4.0x5.0



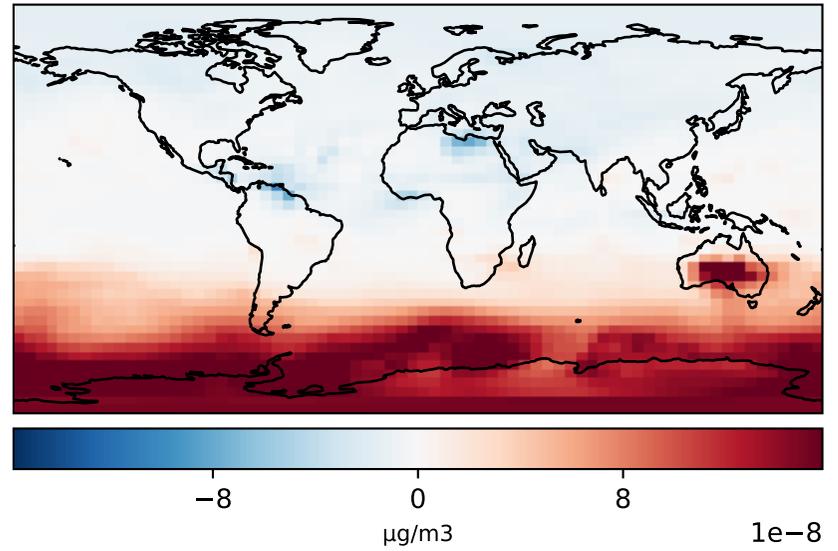
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4.0x5.0



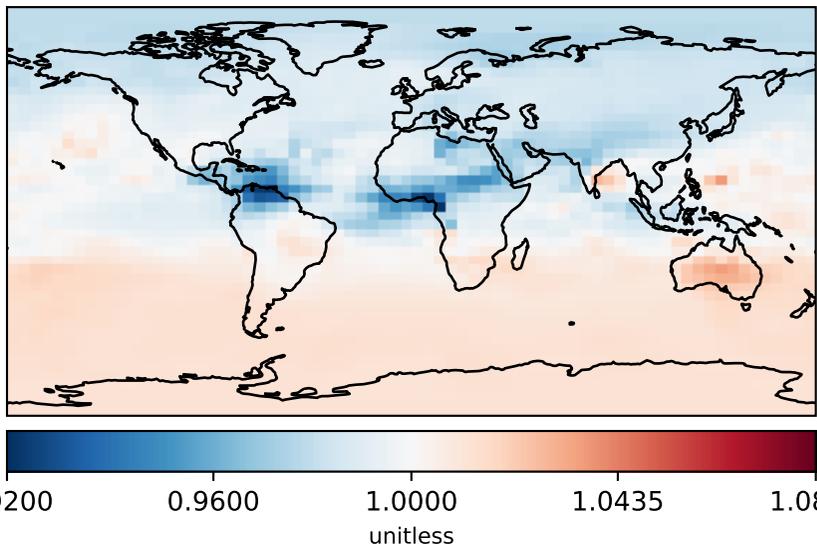
Difference
Dev - Ref, Dynamic Range



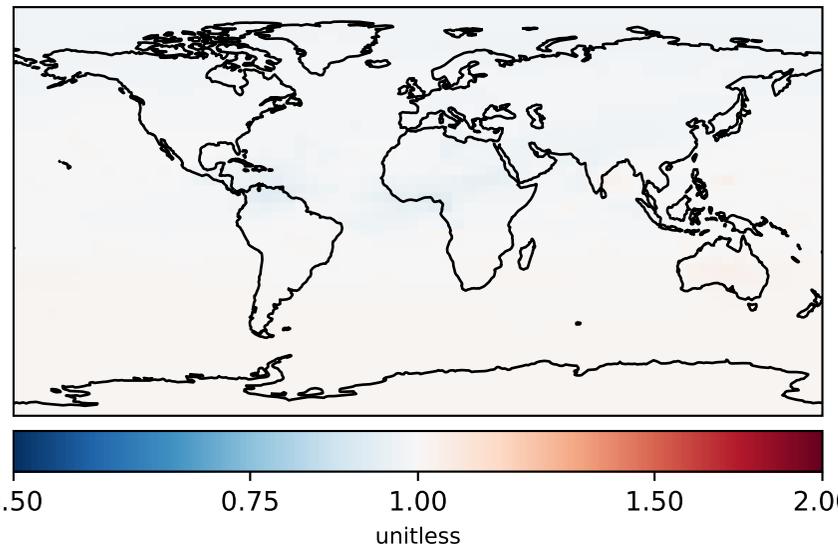
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

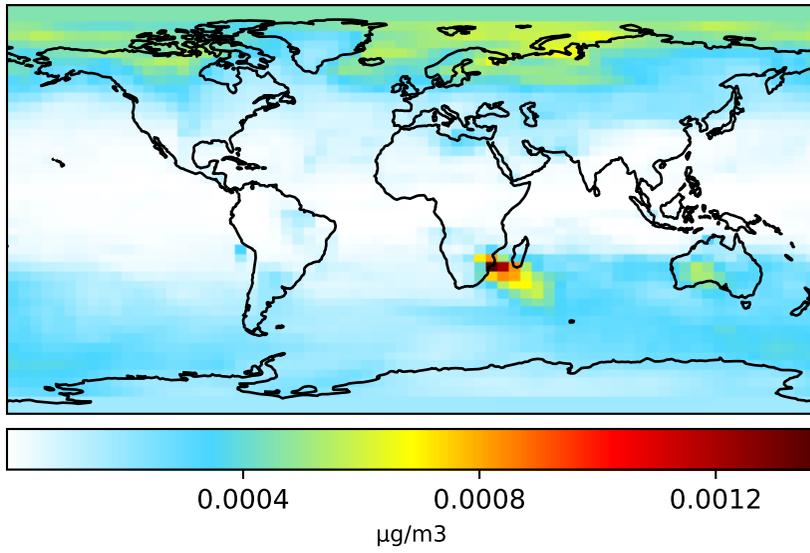


Ratio
Dev/Ref, Fixed Range

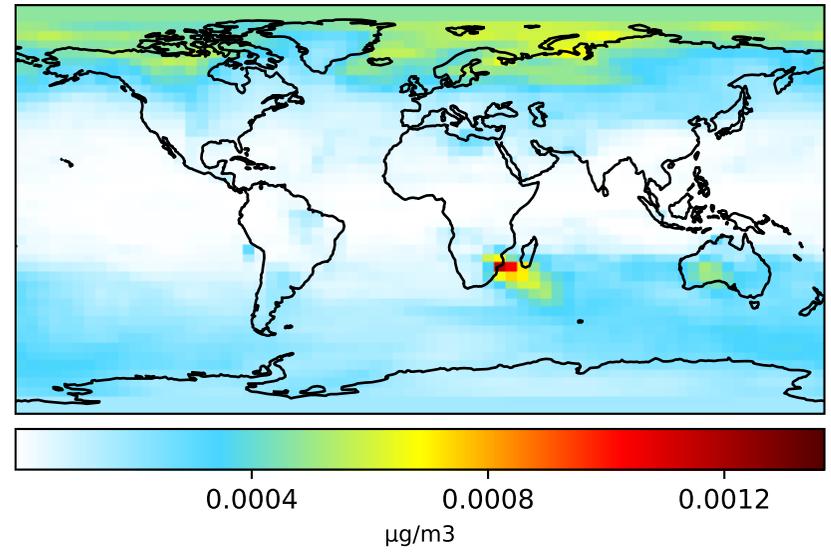


SpeciesConcVV_NITs (Oct2019)

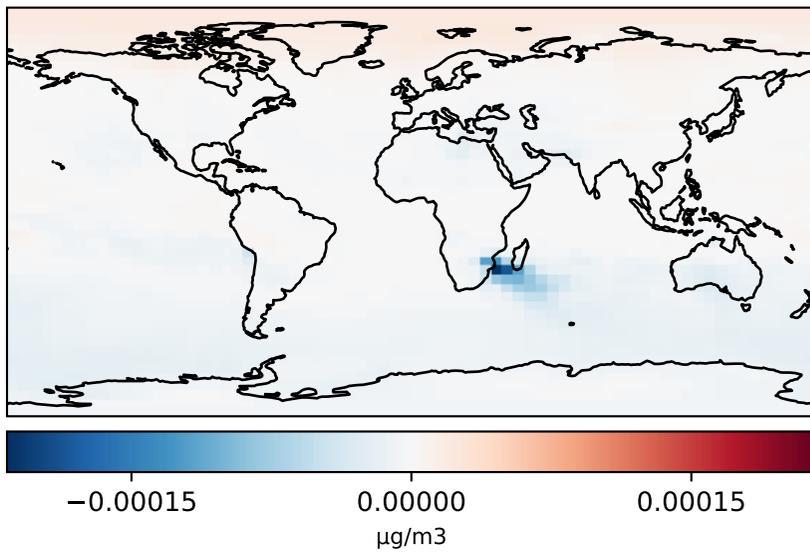
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4.0x5.0



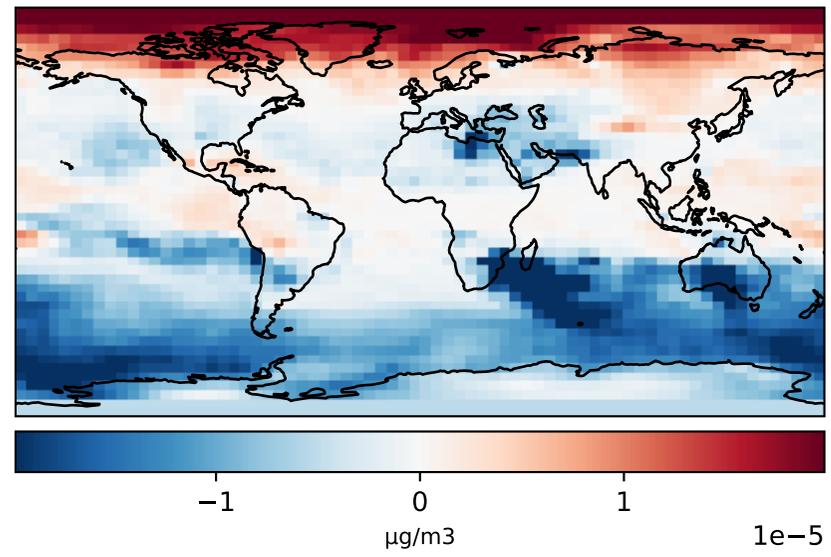
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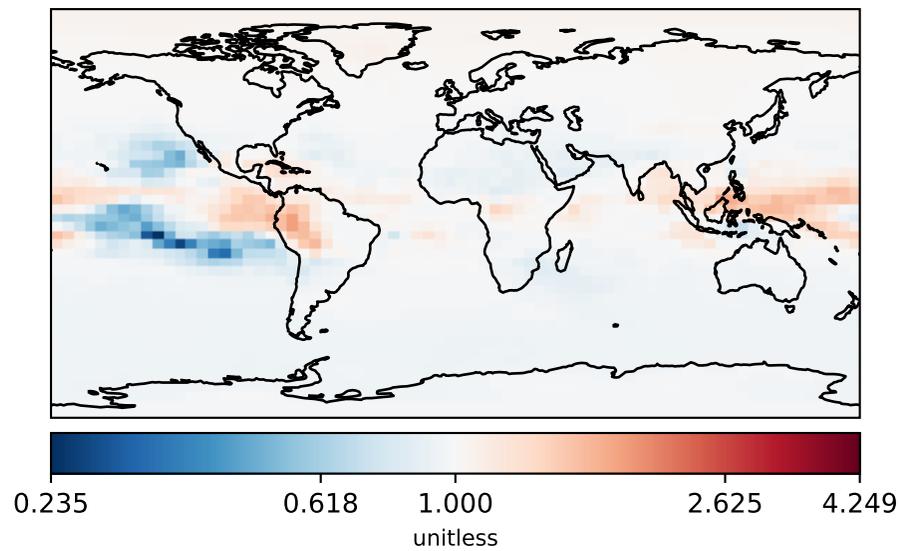
Difference
Dev - Ref, Dynamic Range



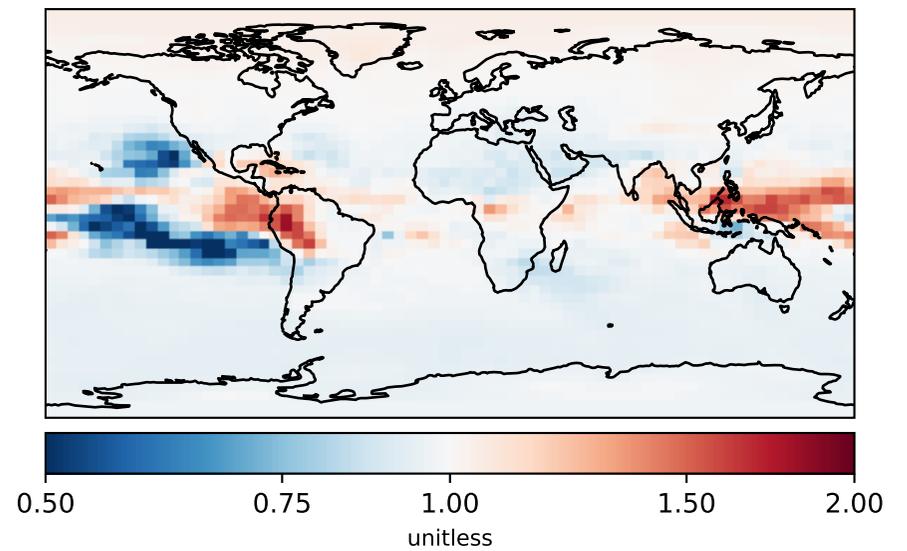
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

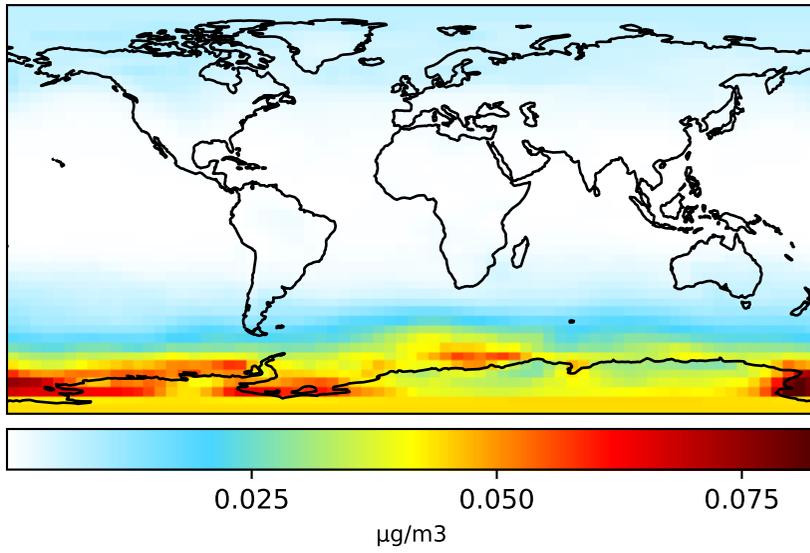


Ratio
Dev/Ref, Fixed Range

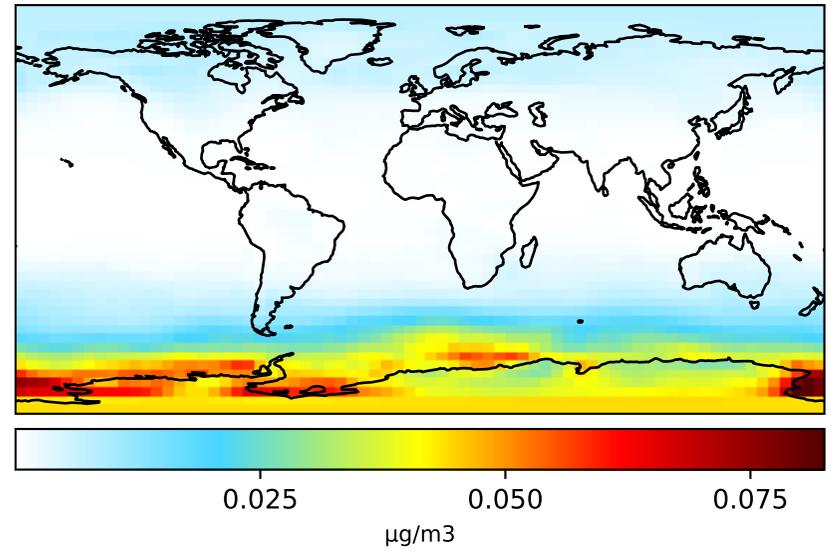


SpeciesConcVV_SALA (Oct2019)

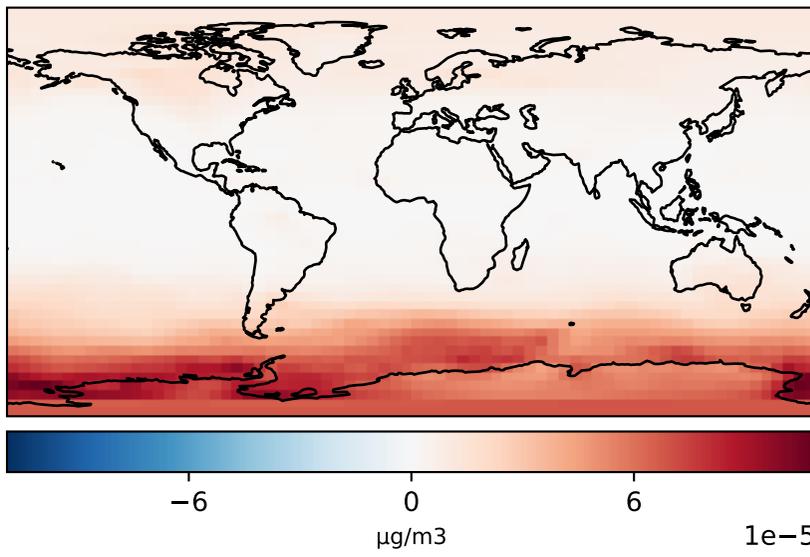
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4.0x5.0



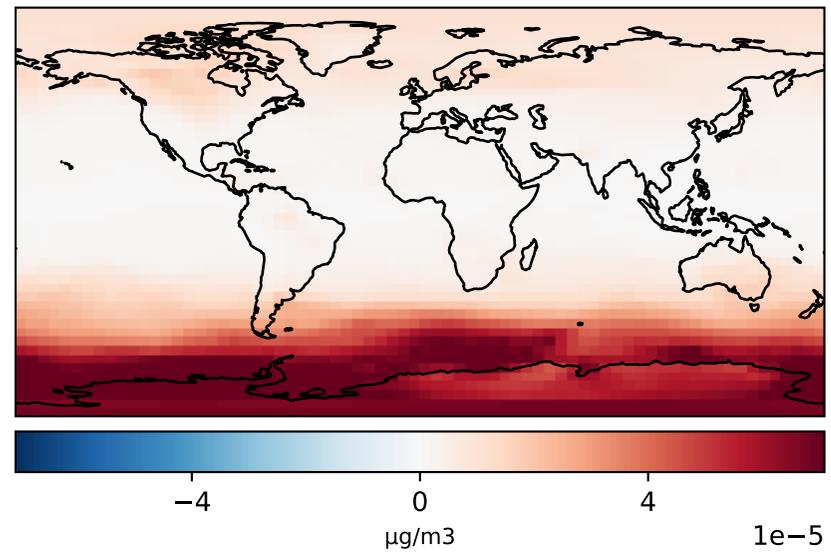
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4.0x5.0



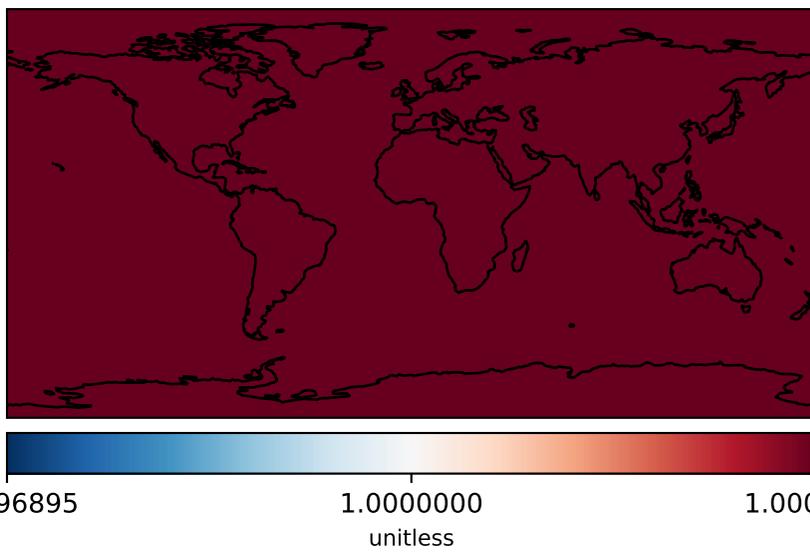
Difference
Dev - Ref, Dynamic Range



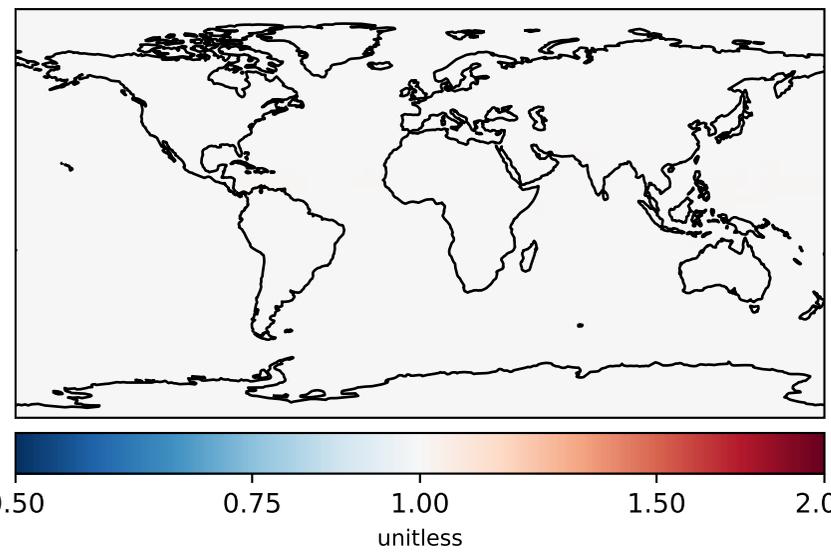
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

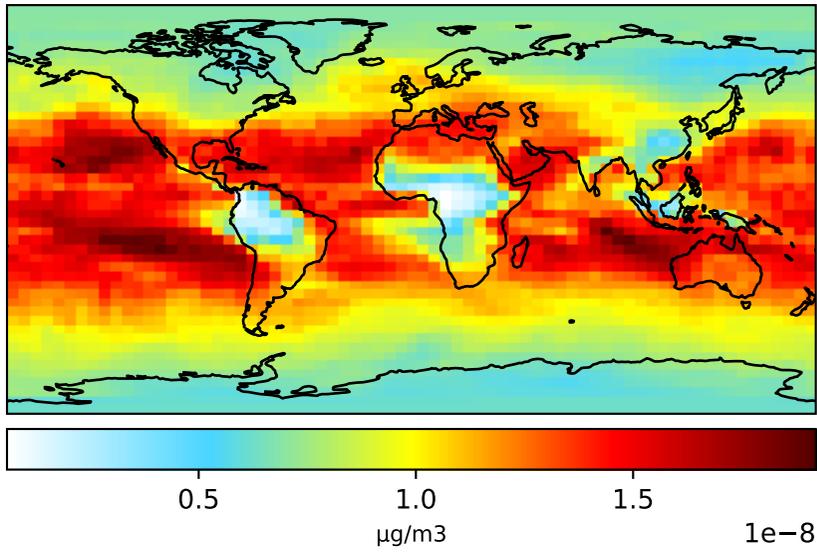


Ratio
Dev/Ref, Fixed Range

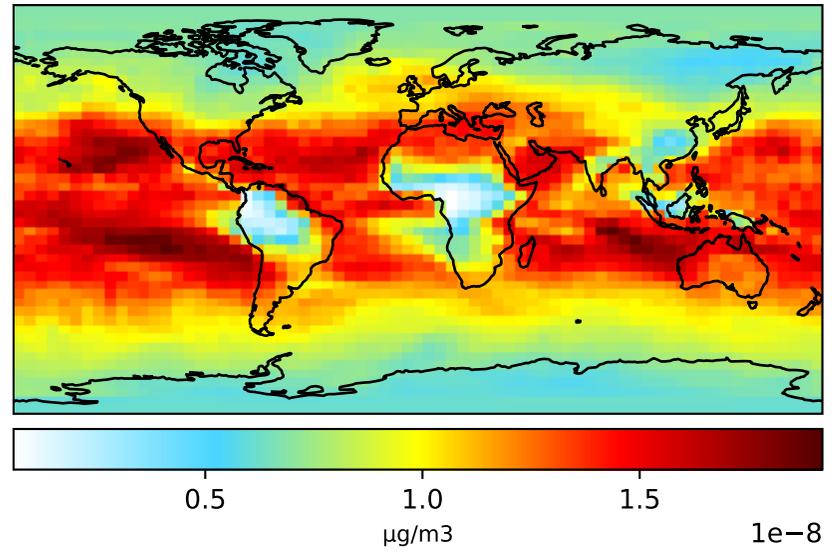


SpeciesConcVV_SALAAL (Oct2019)

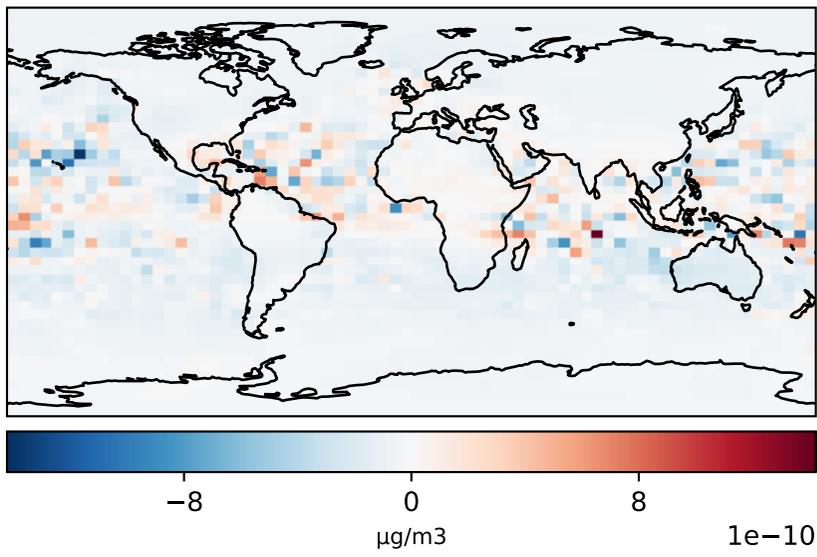
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4.0x5.0



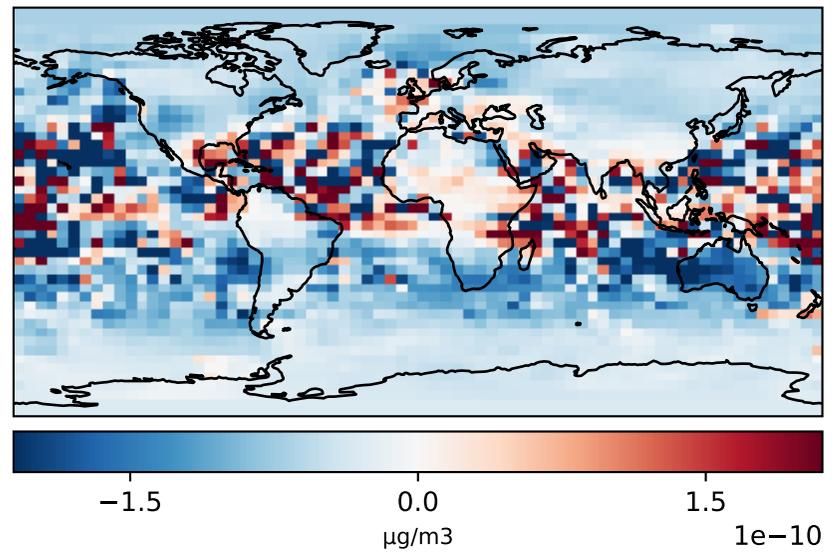
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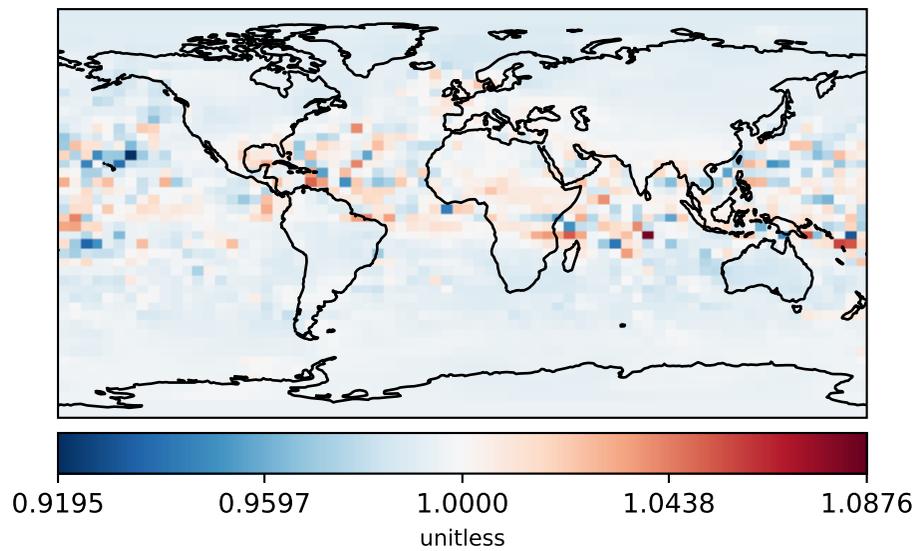
Difference
Dev - Ref, Dynamic Range



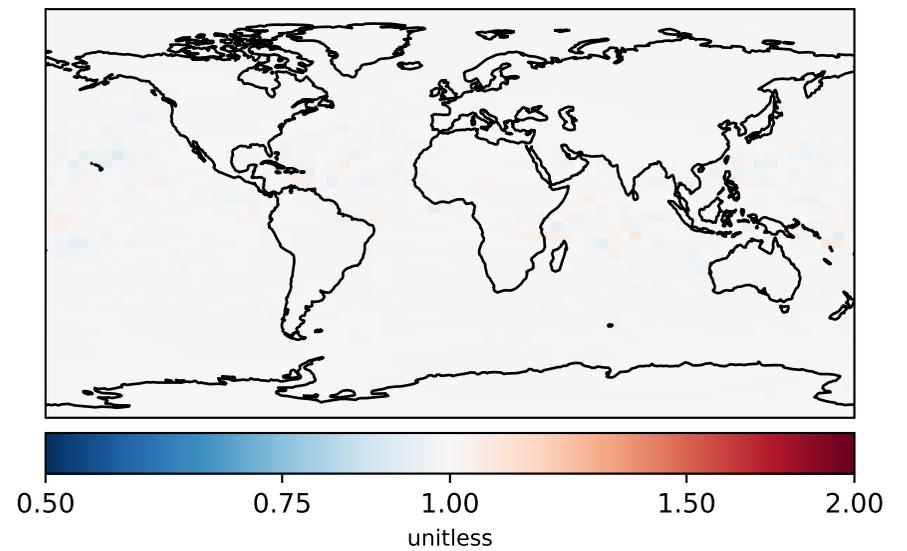
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

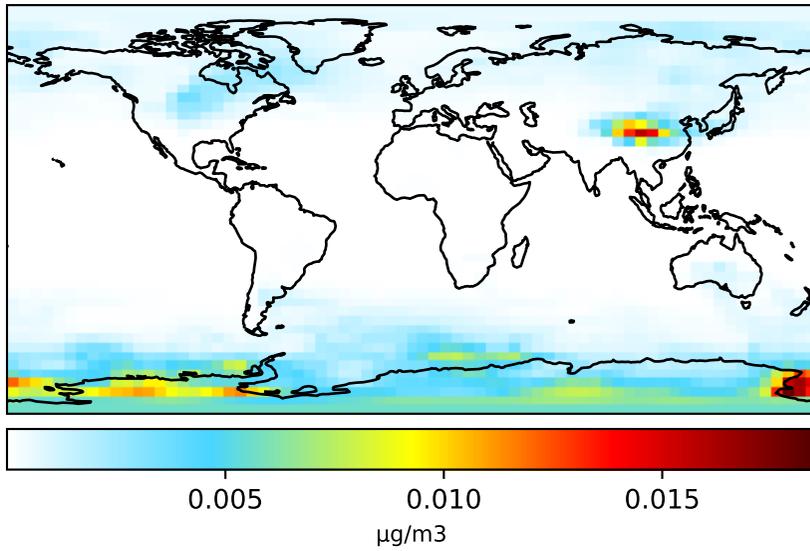


Ratio
Dev/Ref, Fixed Range

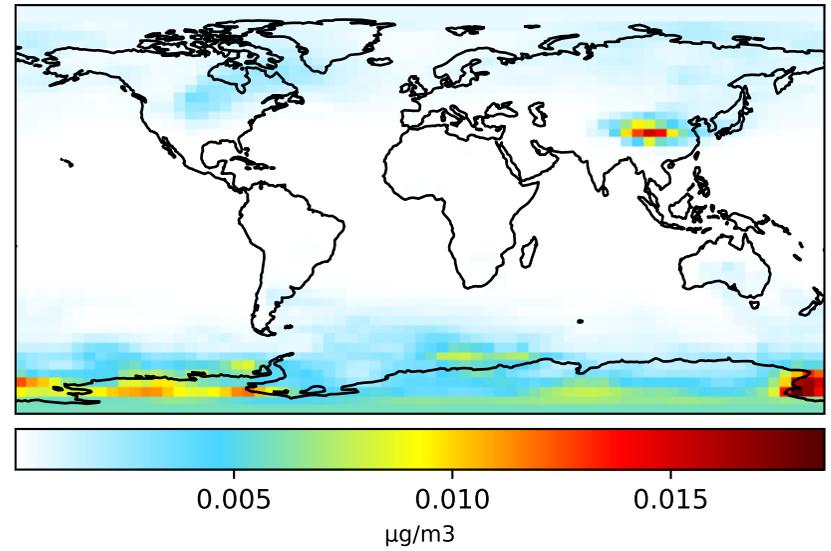


SpeciesConcVV_SALACL (Oct2019)

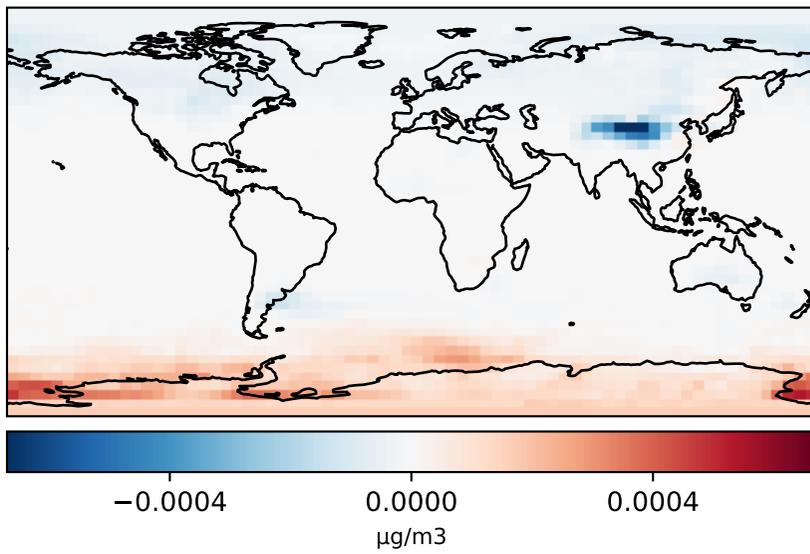
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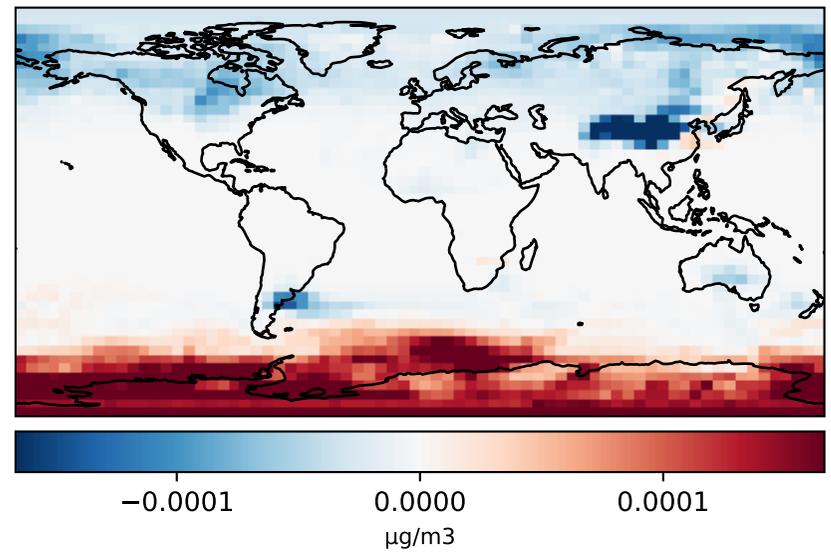
gcc.14.7.0-rc.0 (Dev)
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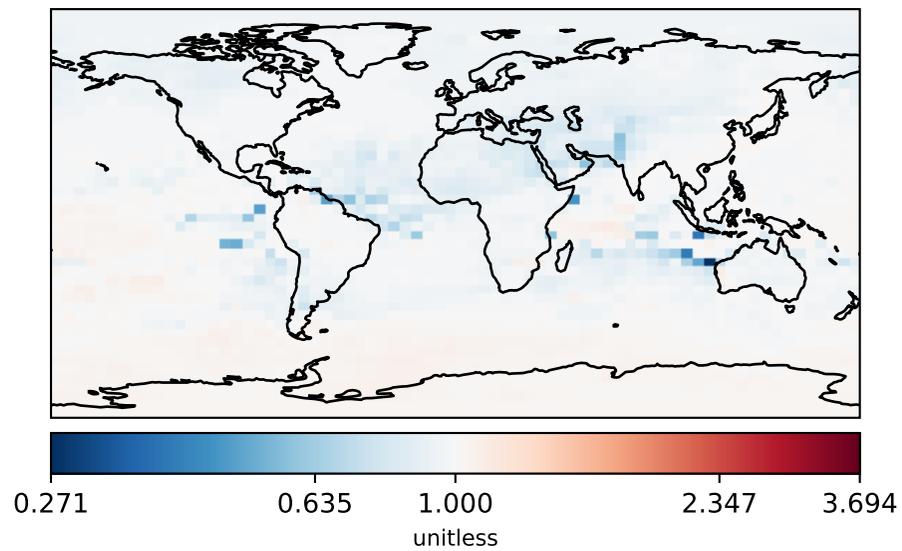
Difference
Dev - Ref, Dynamic Range



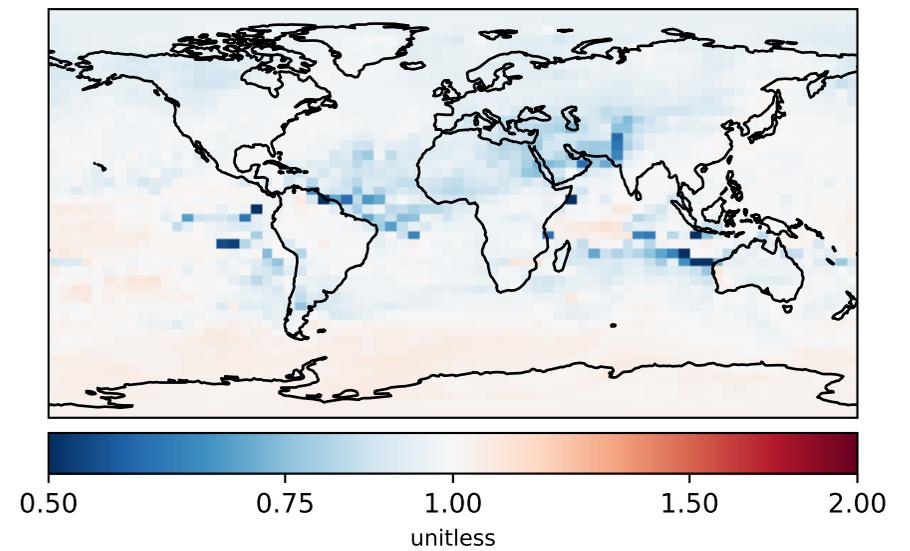
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

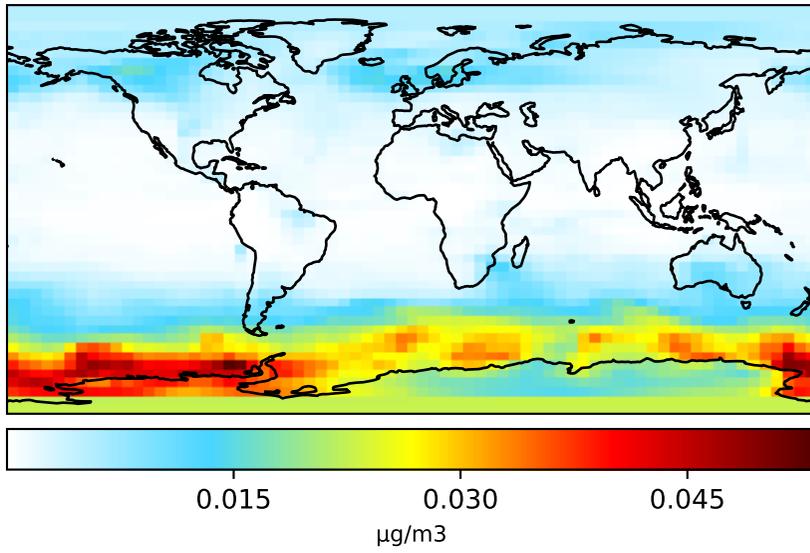


Ratio
Dev/Ref, Fixed Range

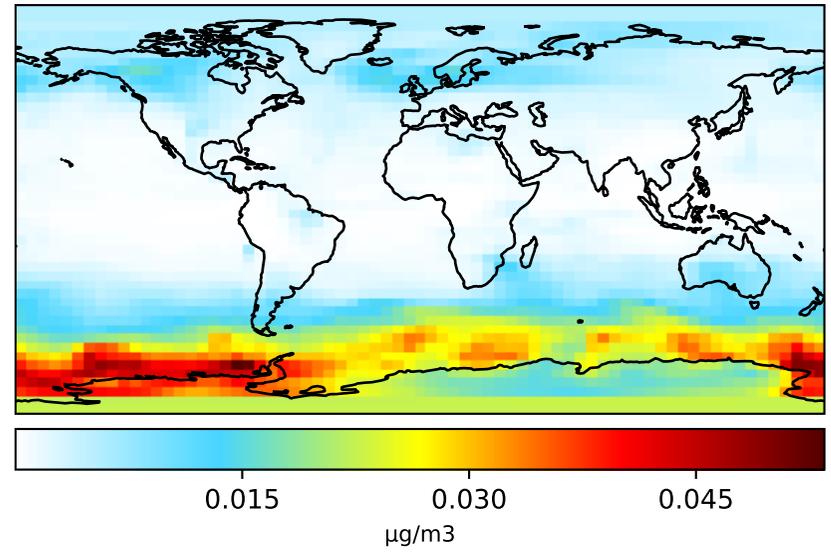


SpeciesConcVV_SALC (Oct2019)

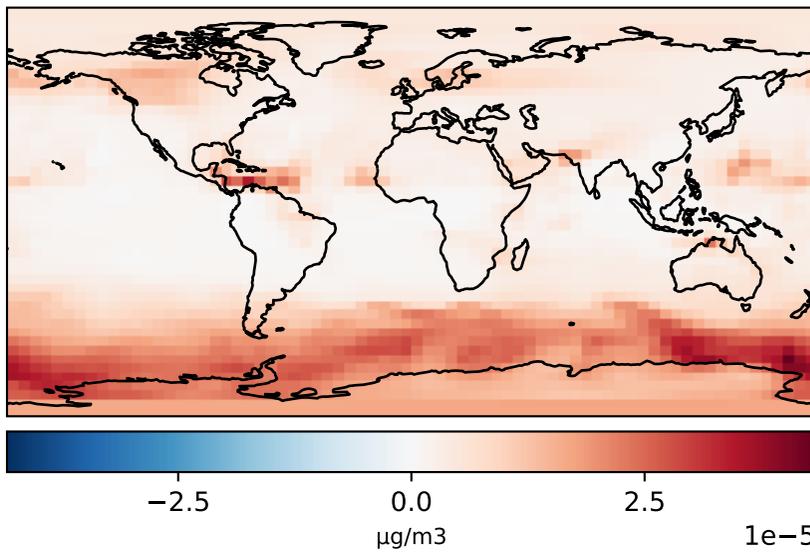
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4.0x5.0



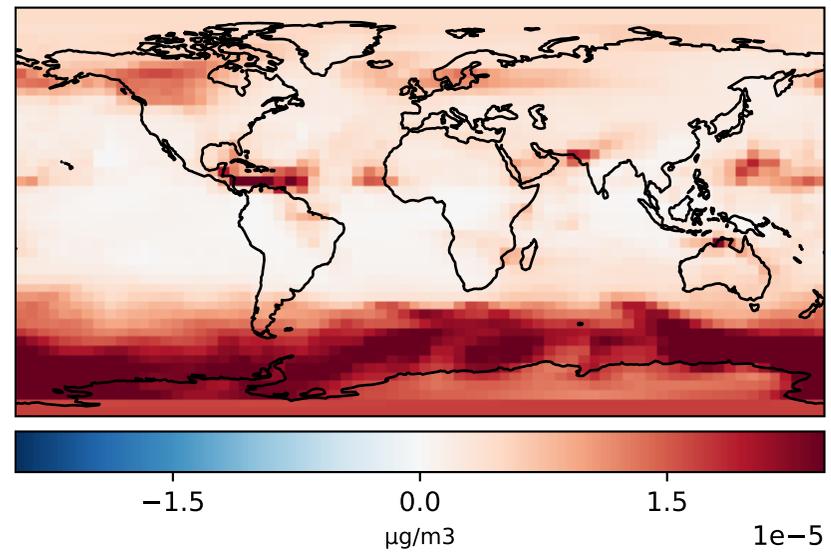
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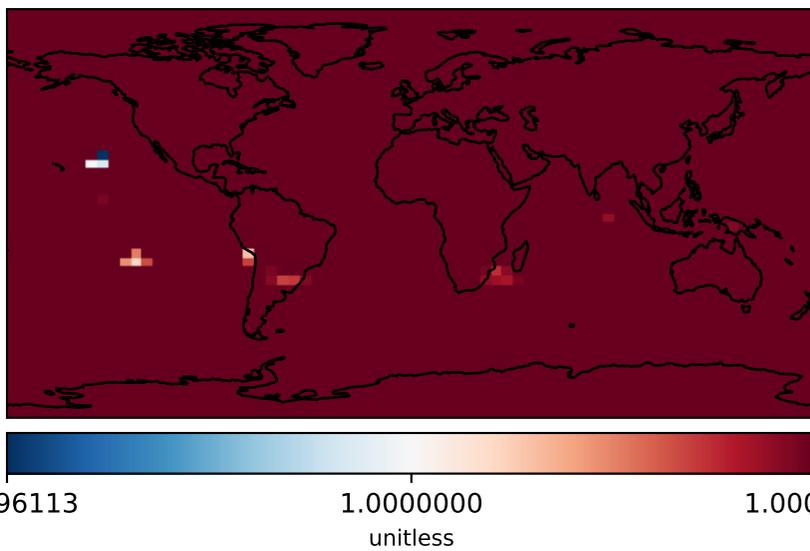
Difference
Dev - Ref, Dynamic Range



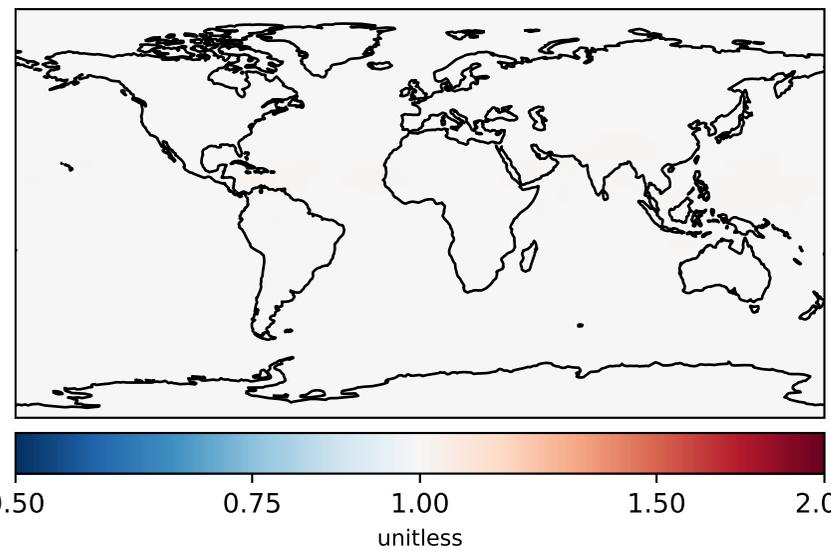
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

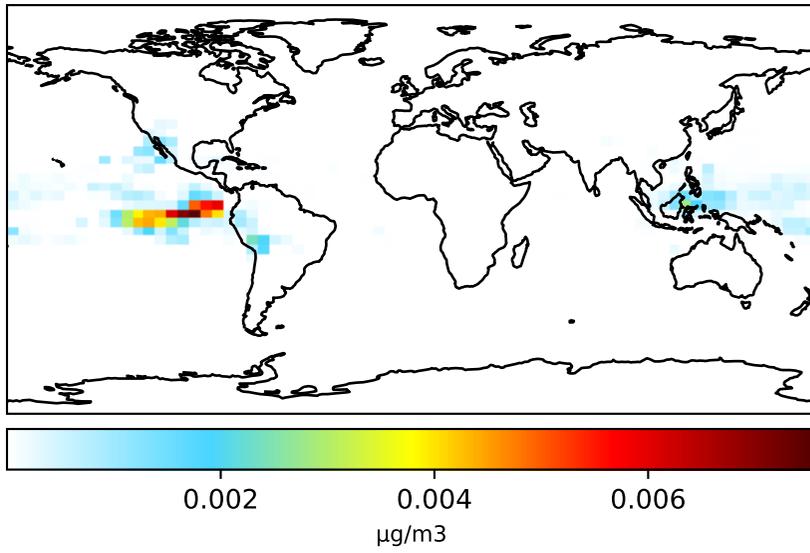


Ratio
Dev/Ref, Fixed Range

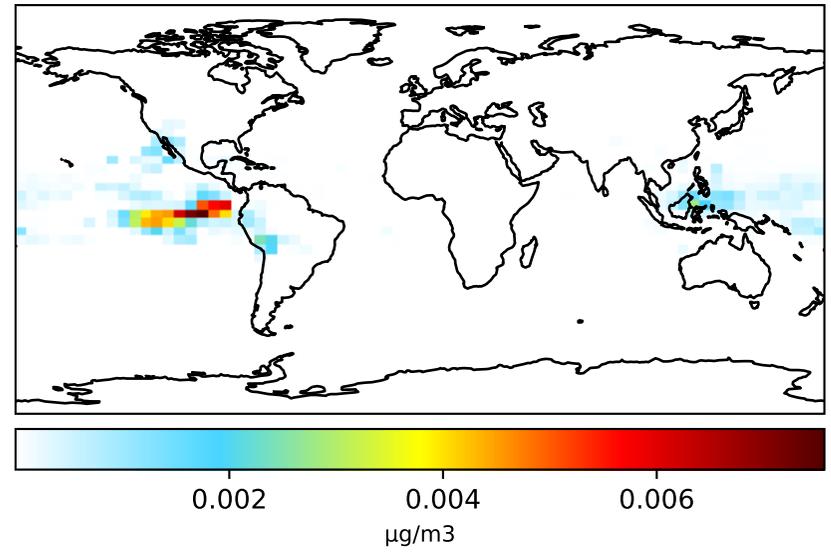


SpeciesConcVV_SALCAL (Oct2019)

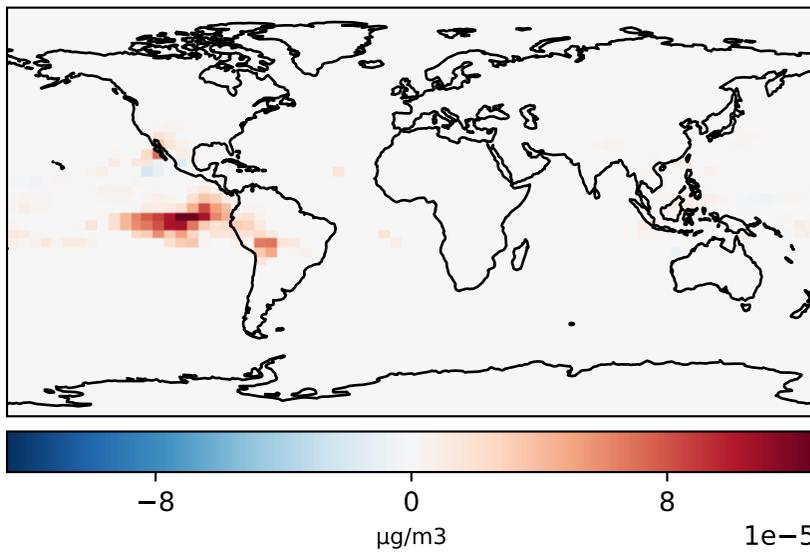
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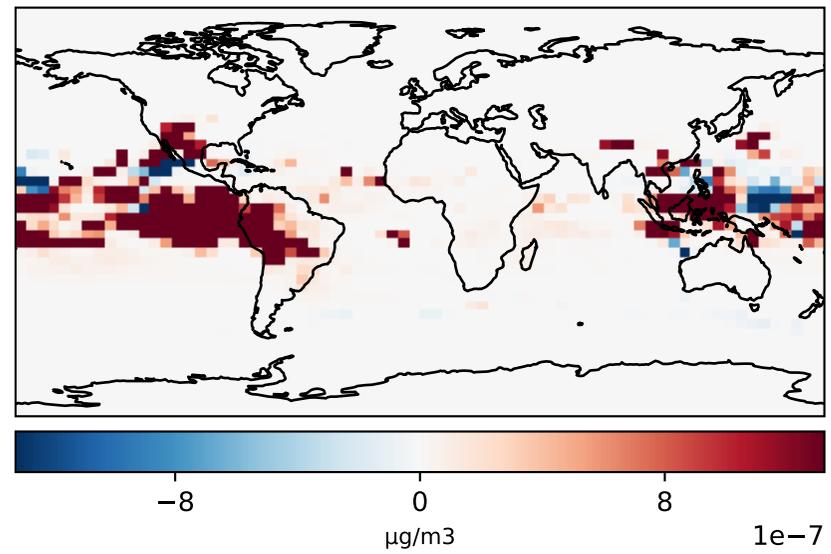
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4.0x5.0



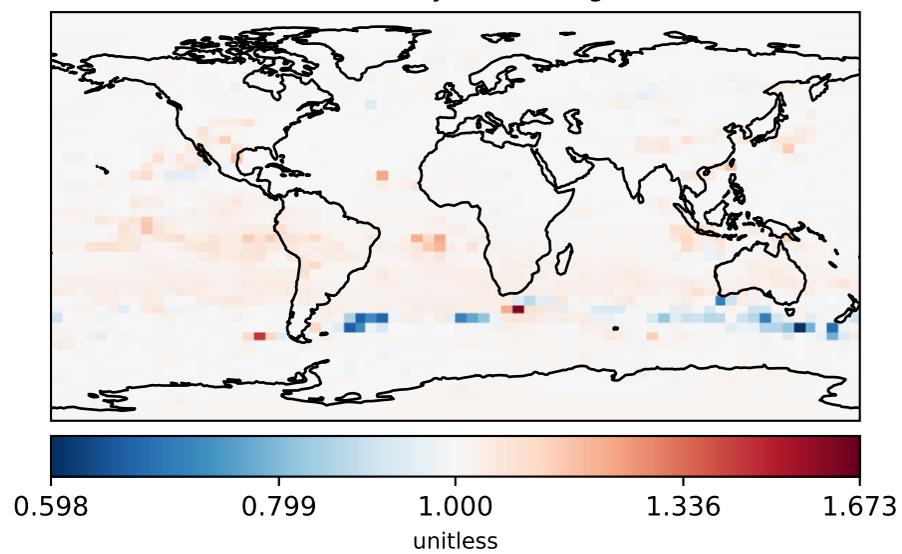
Difference
Dev - Ref, Dynamic Range



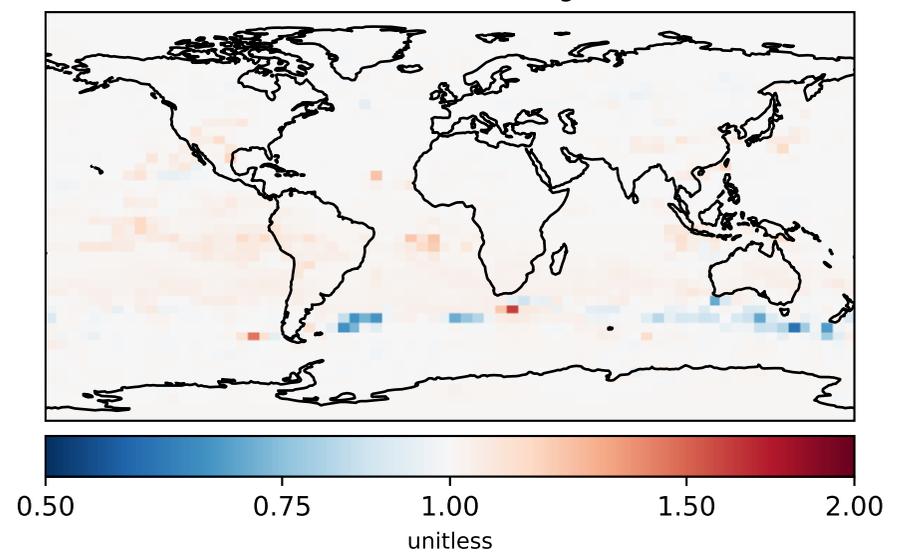
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

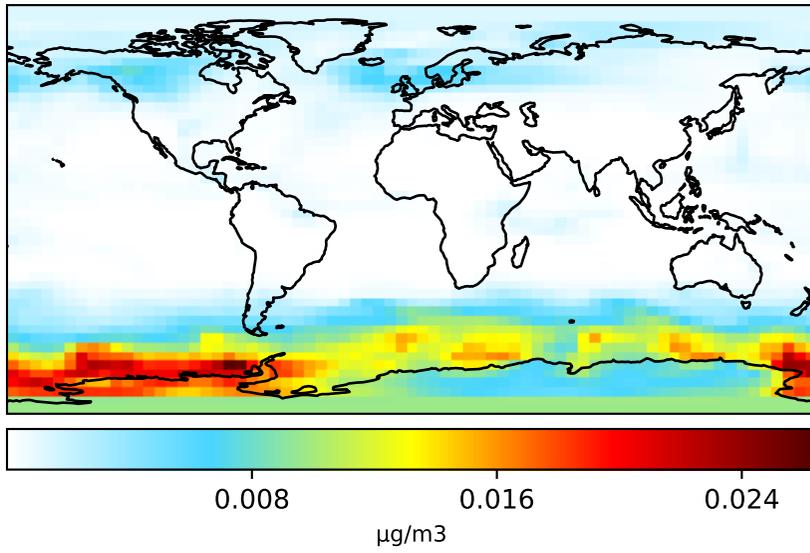


Ratio
Dev/Ref, Fixed Range

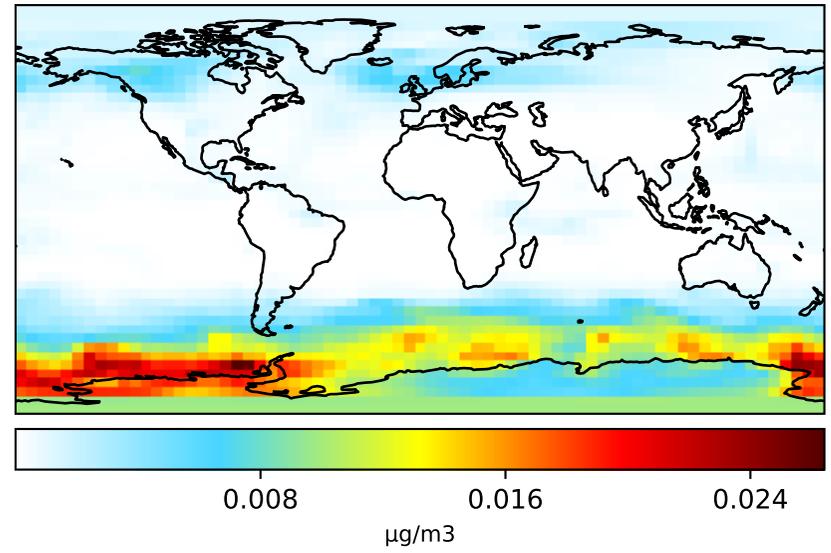


SpeciesConcVV_SALCCL (Oct2019)

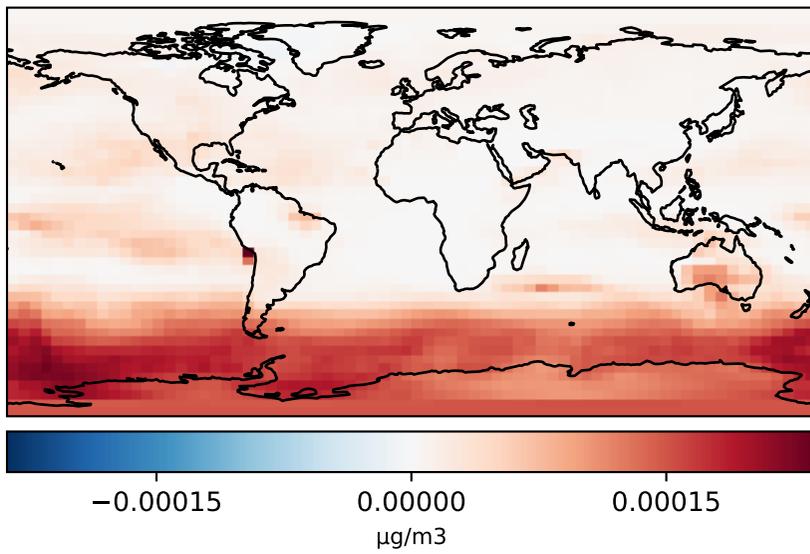
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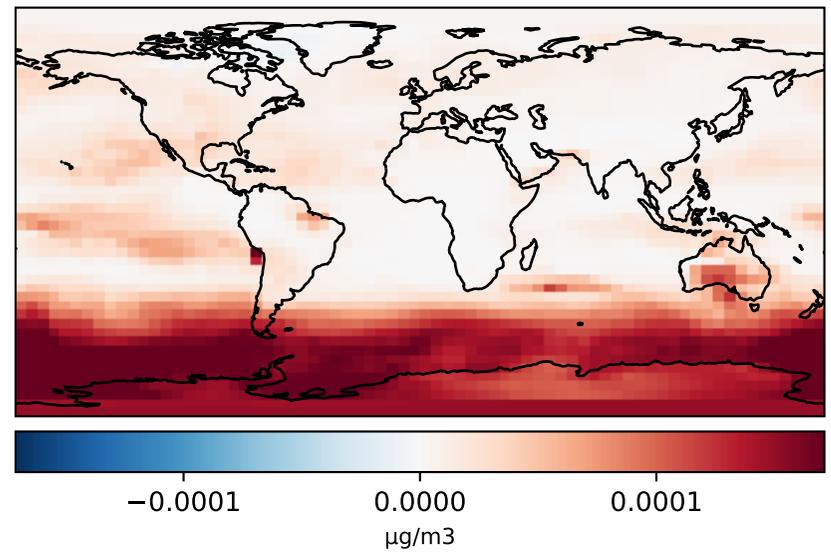
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4.0x5.0



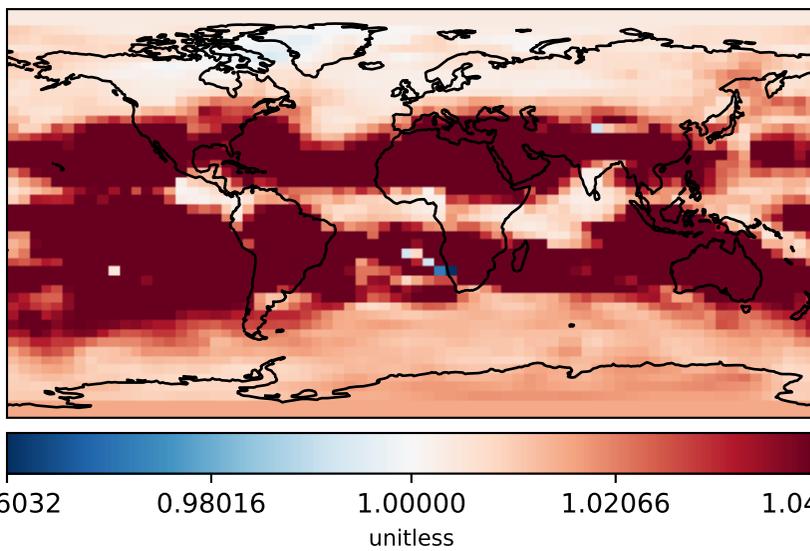
Difference
Dev - Ref, Dynamic Range



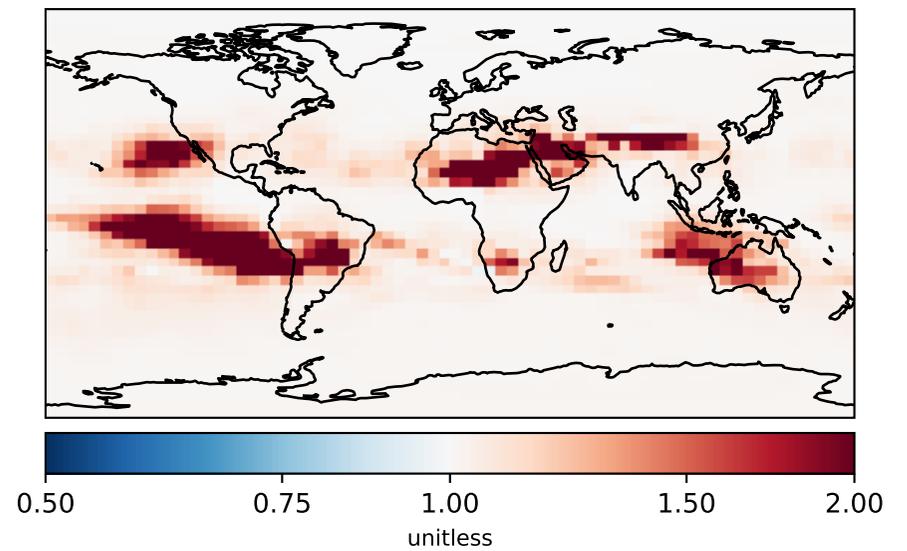
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

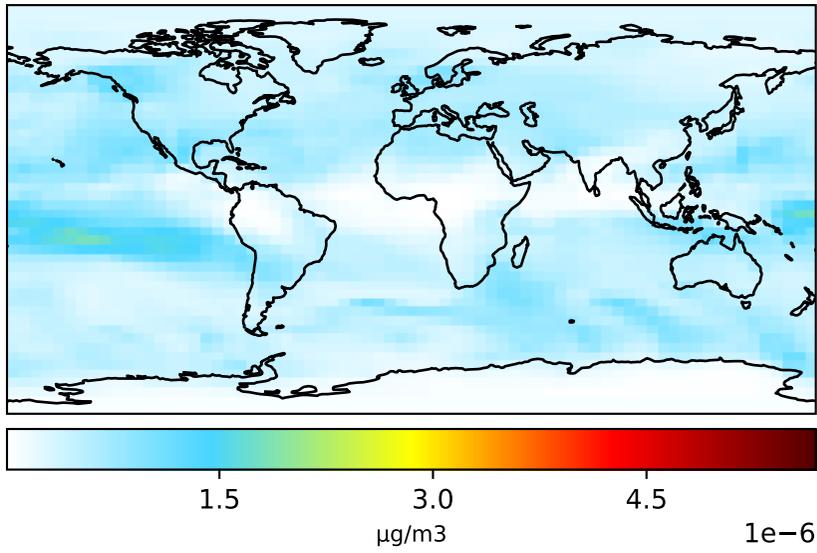


Ratio
Dev/Ref, Fixed Range

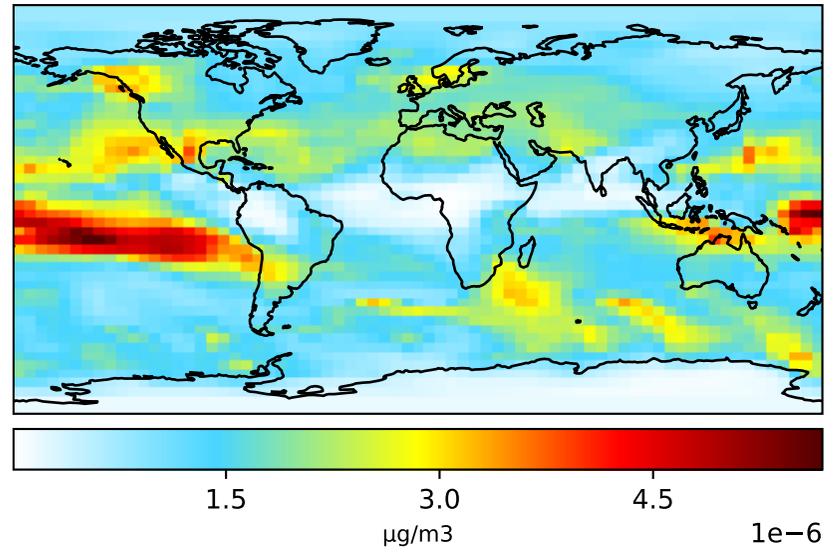


SpeciesConcVV_S04s (Oct2019)

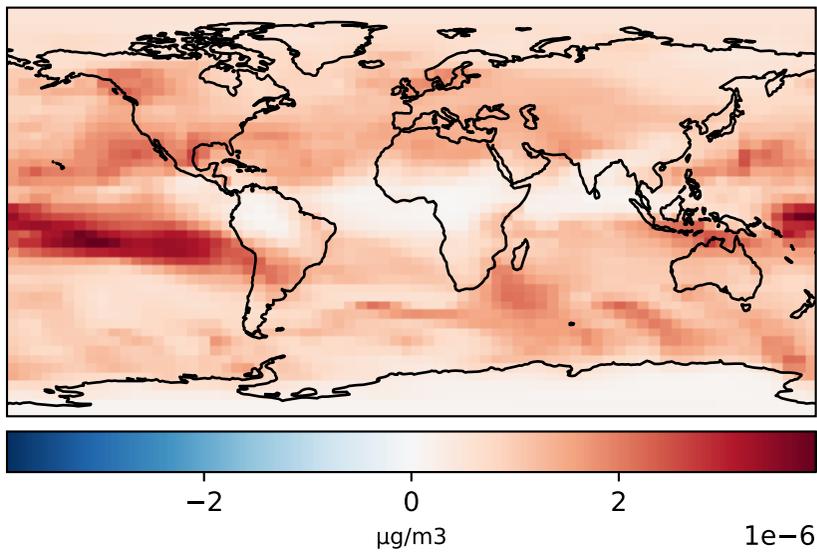
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4.0x5.0



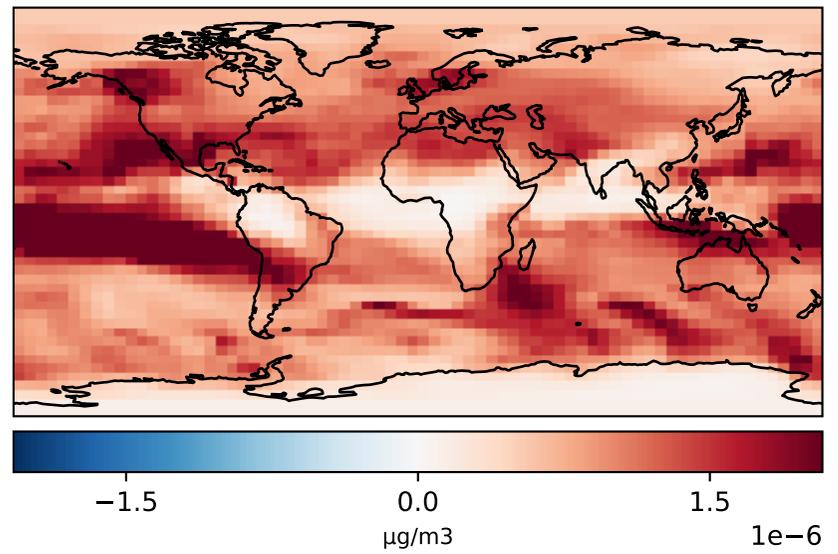
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



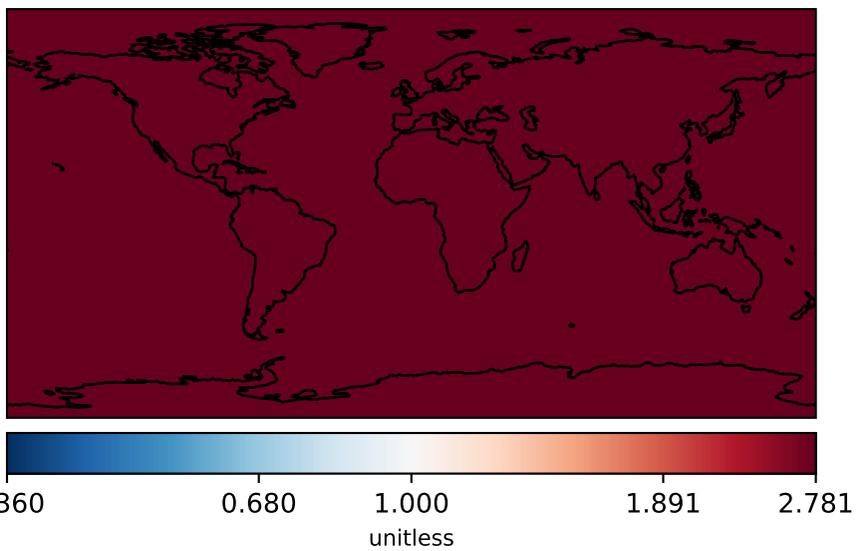
Difference
Dev - Ref, Dynamic Range



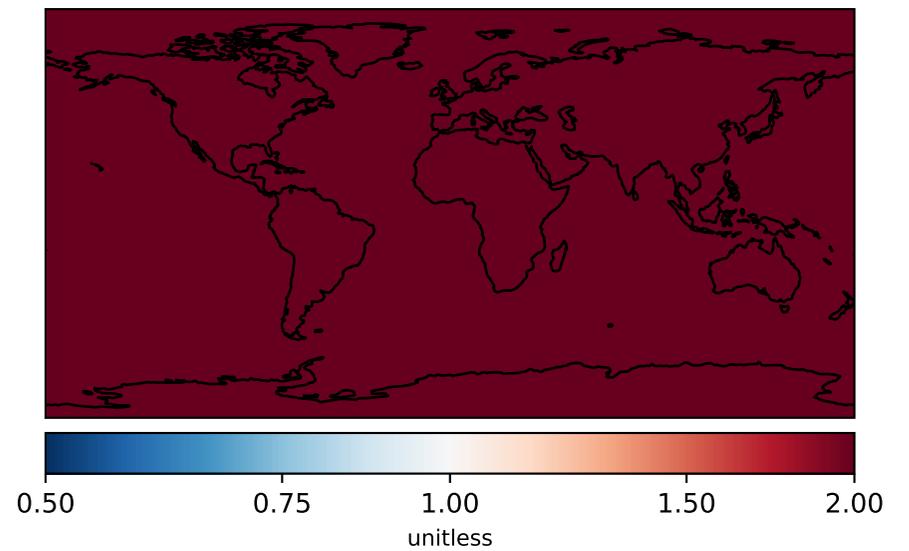
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

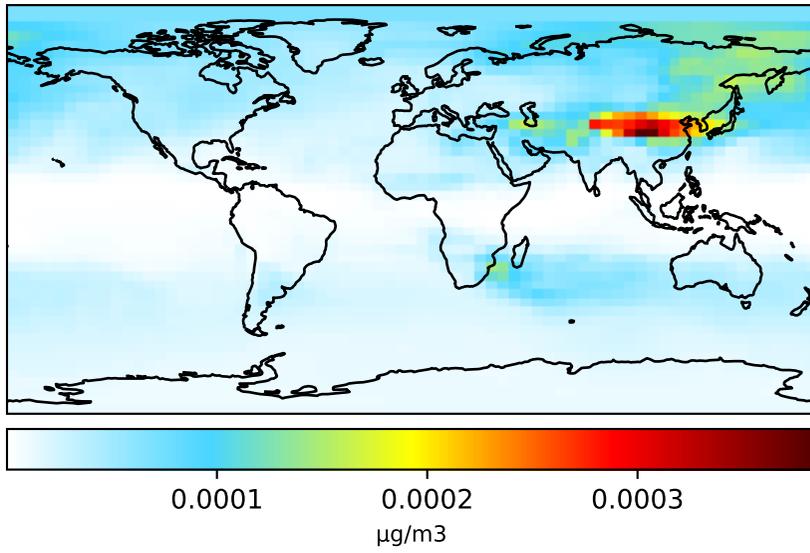


Ratio
Dev/Ref, Fixed Range

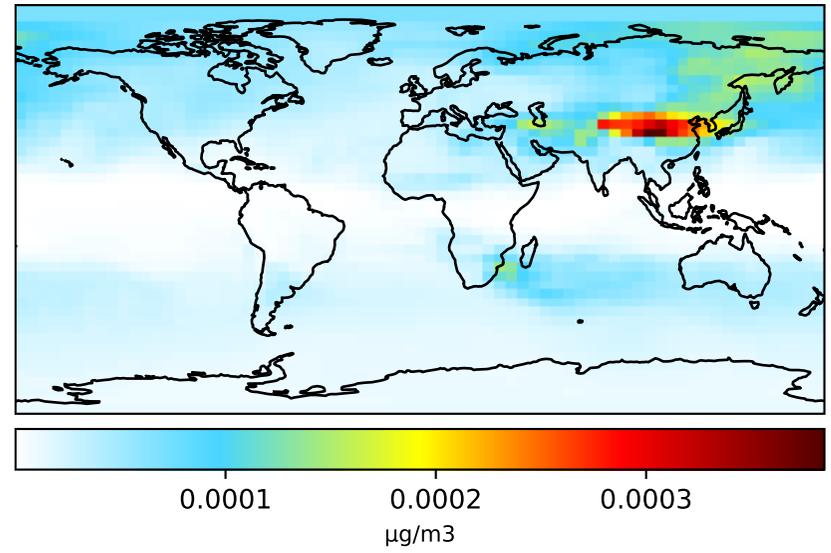


SpeciesConcVV_pFe (Oct2019)

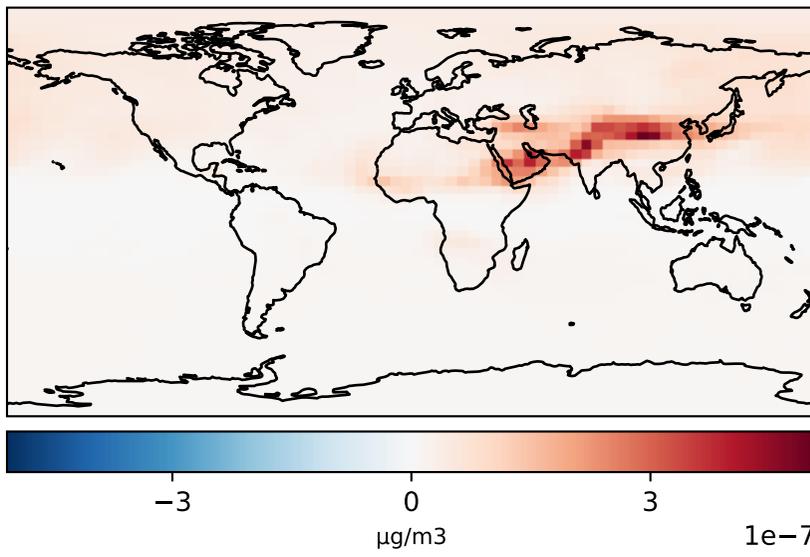
gcc.14.5.0-rc.0 (Ref)
4.0x5.0



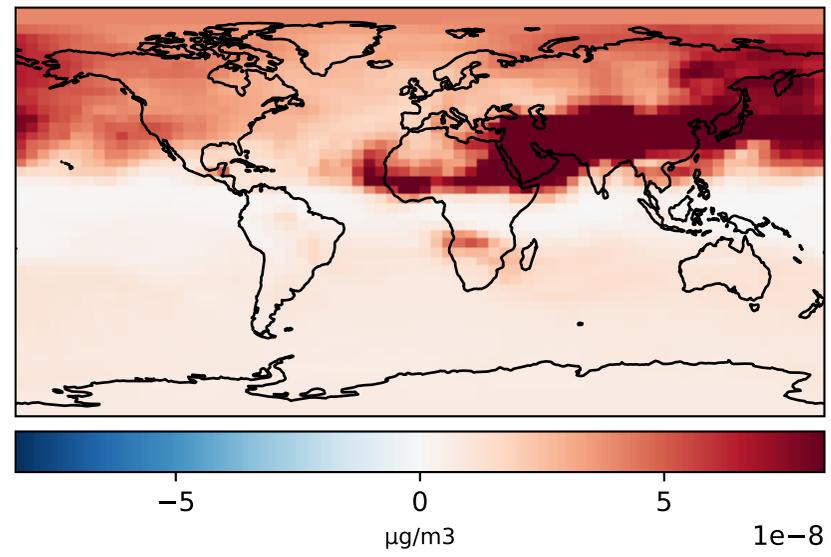
gcc.14.7.0-rc.0 (Dev)
4.0x5.0



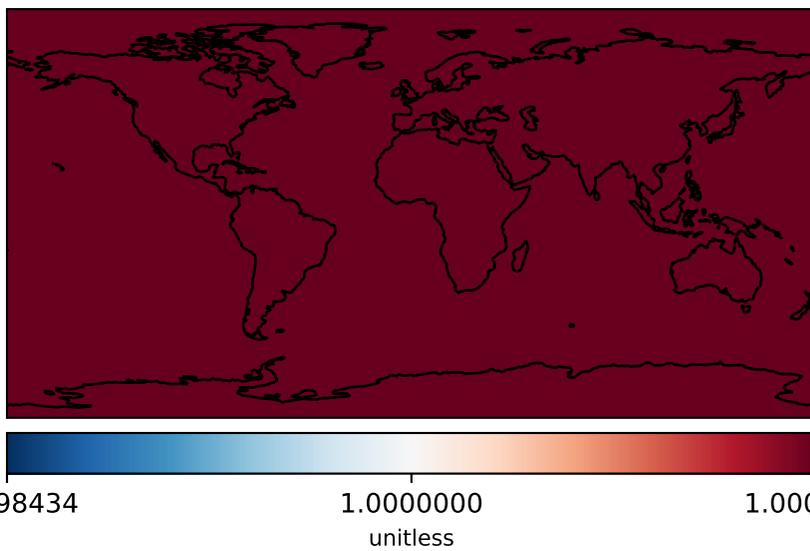
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

