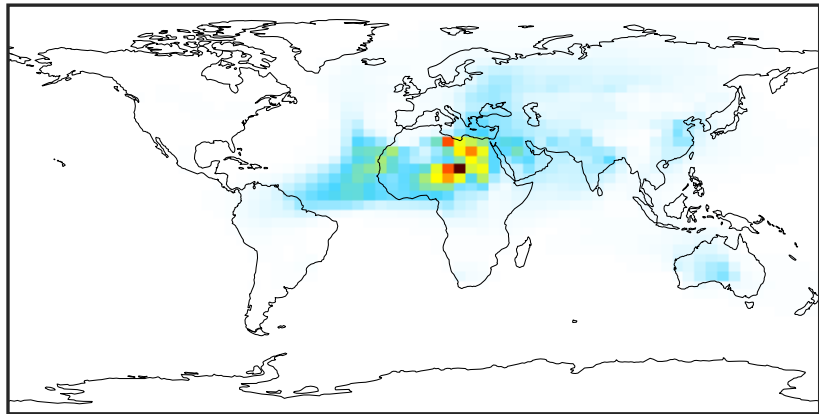


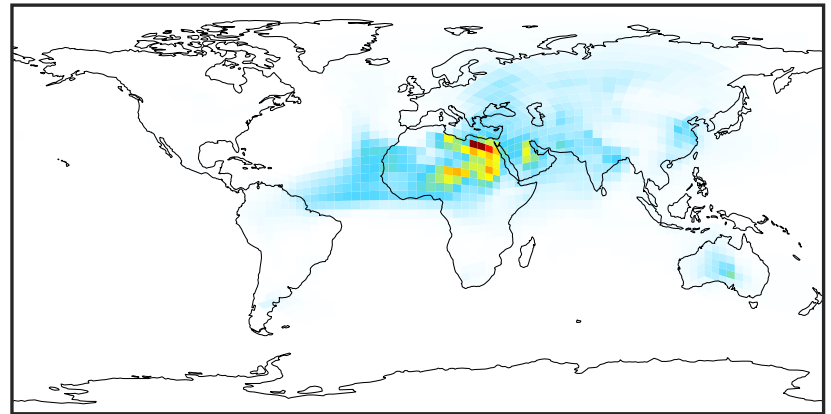
SpeciesConcVV_DST1 (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



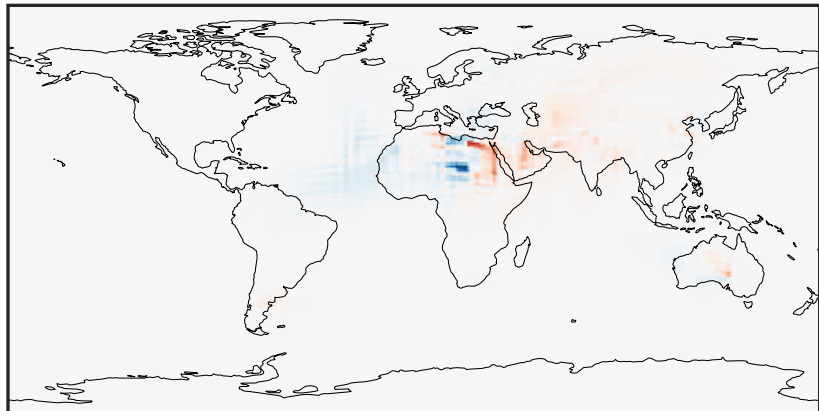
0.02 16.98 33.96 50.94 67.93
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



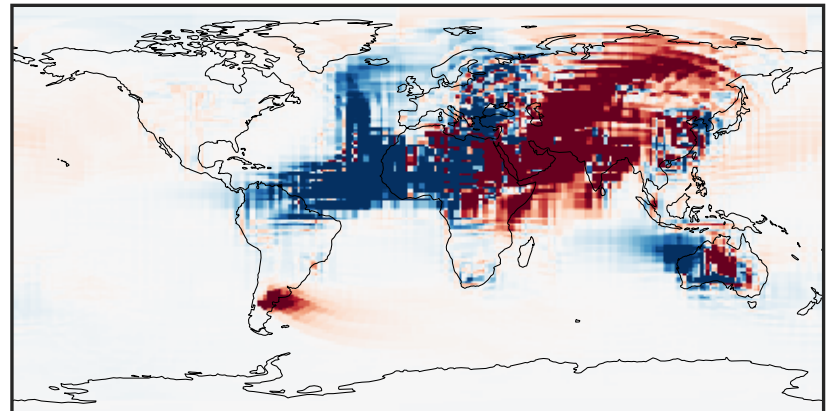
0.02 16.98 33.96 50.94 67.93
 $\mu\text{g}/\text{m}^3$

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



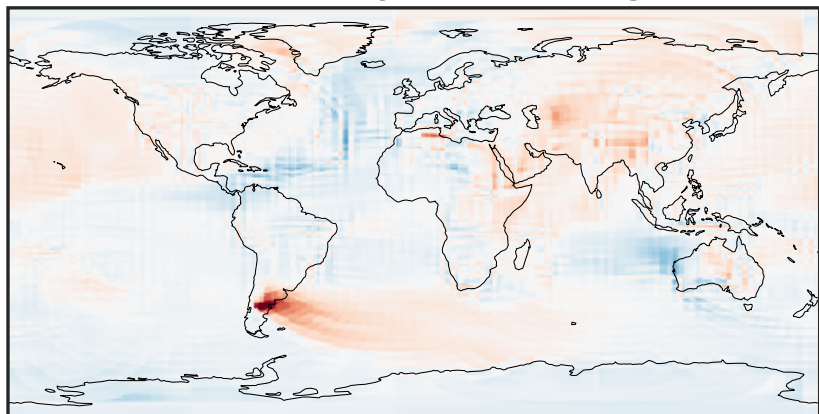
-44.17 -22.09 0.00 22.09 44.17
 $\mu\text{g}/\text{m}^3$

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



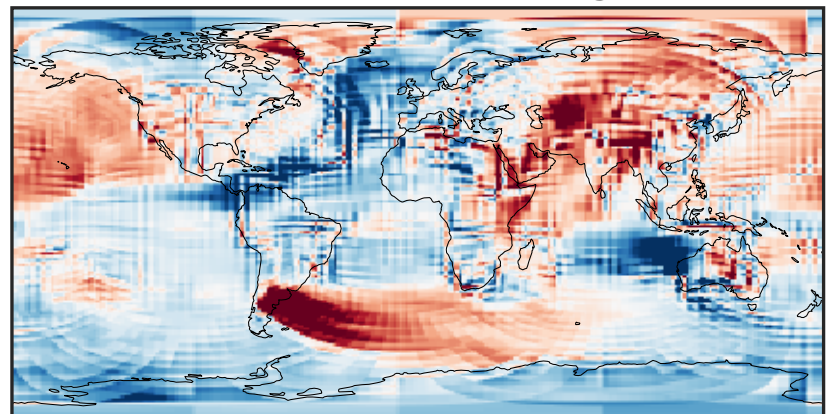
-0.8 -0.4 0.0 0.4 0.8
 $\mu\text{g}/\text{m}^3$

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



1e-01 1 10
unitless

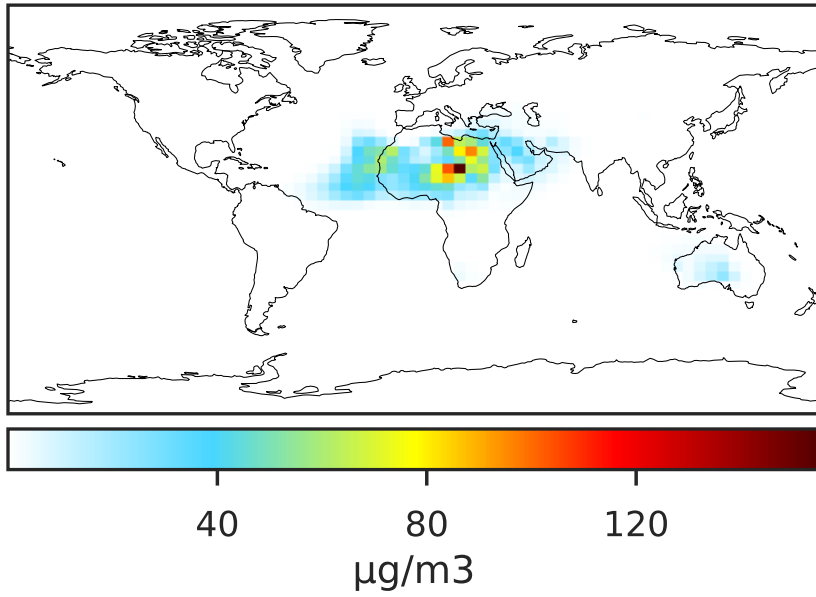
Ratio (1x1.25)
Dev/Ref, Fixed Range



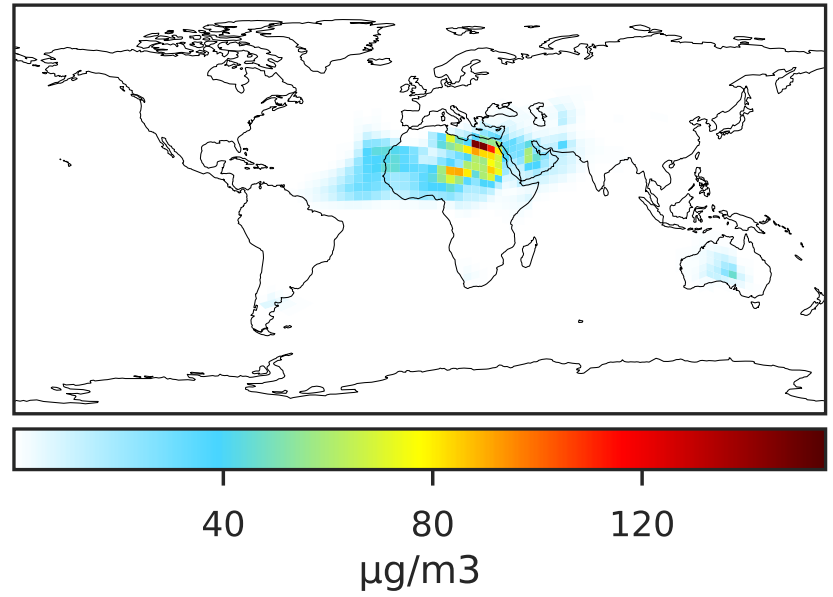
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_DST2 (Jan2019)

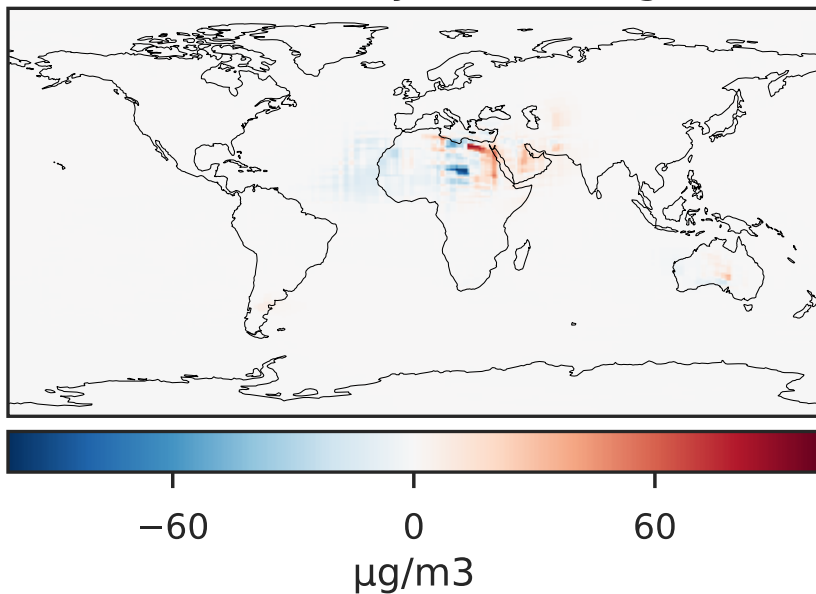
GCC_14.2.0 (Ref)
4.0x5.0



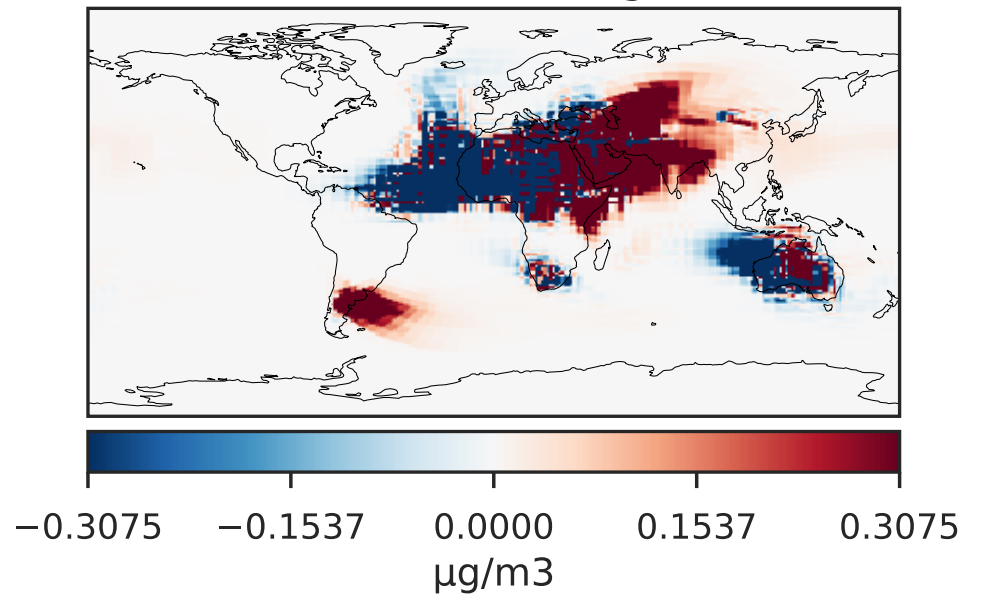
GCHP_14.2.0 (Dev)
c24



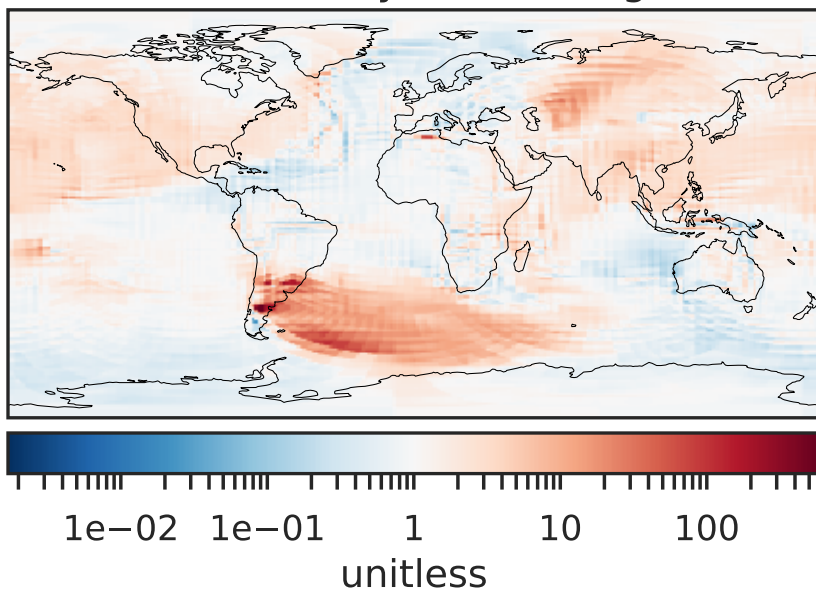
Difference (1x1.25)
Dev - Ref, Dynamic Range



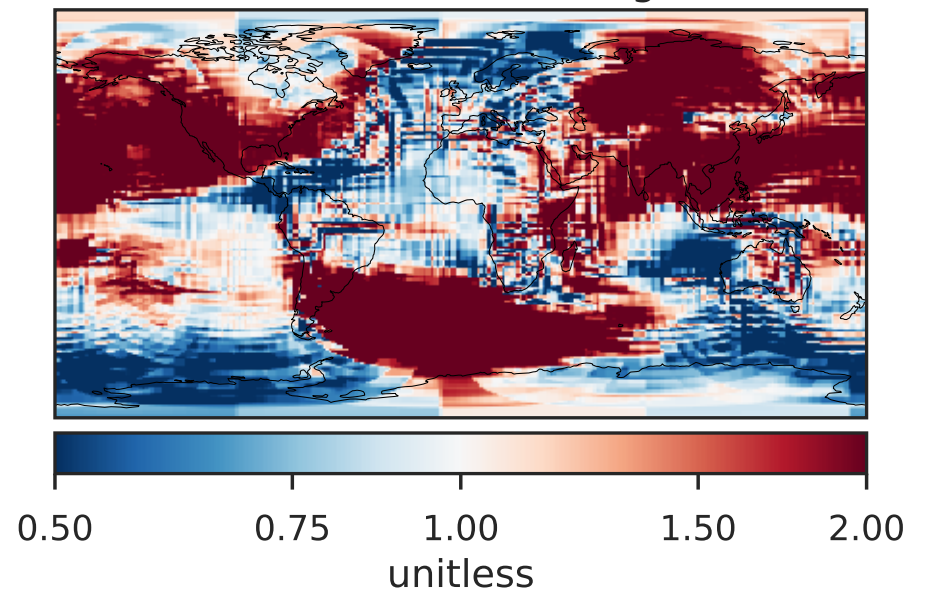
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

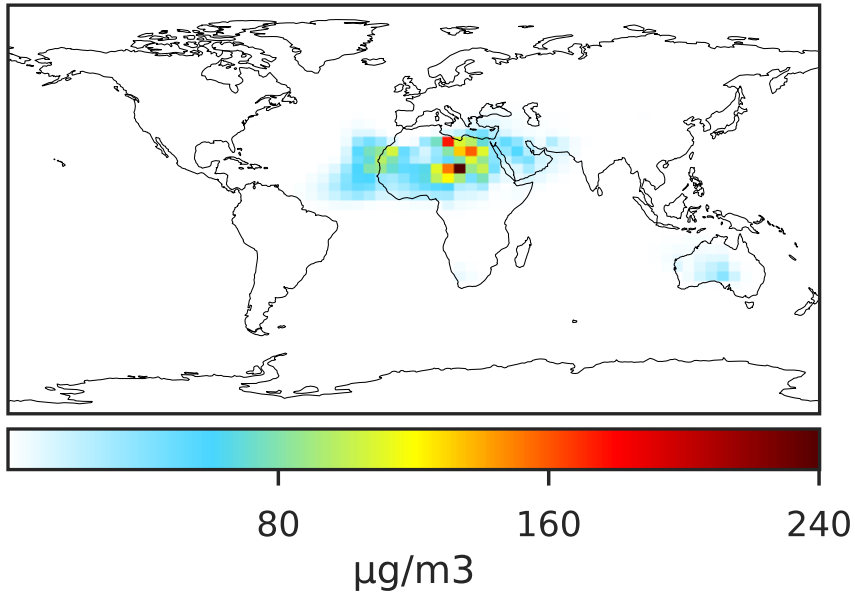


Ratio (1x1.25)
Dev/Ref, Fixed Range

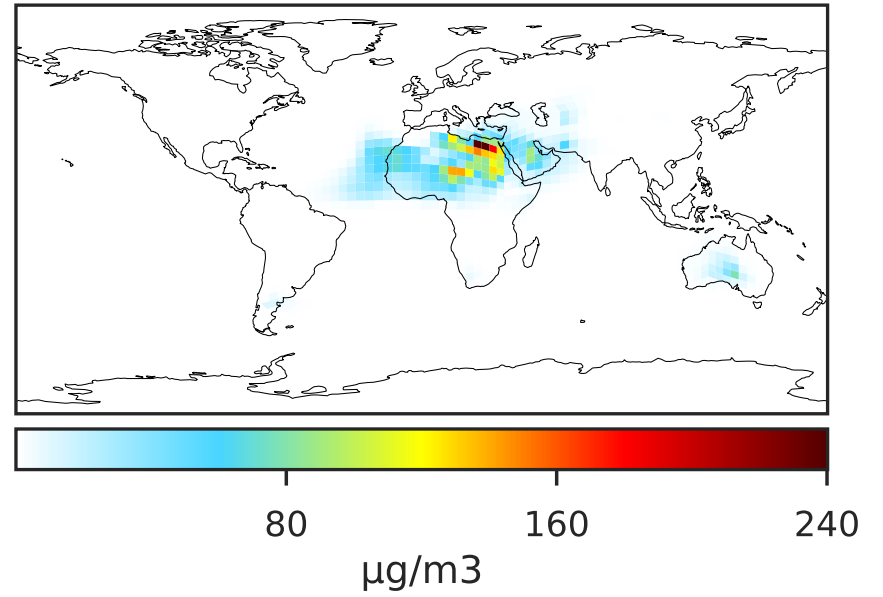


SpeciesConcVV_DST3 (Jan2019)

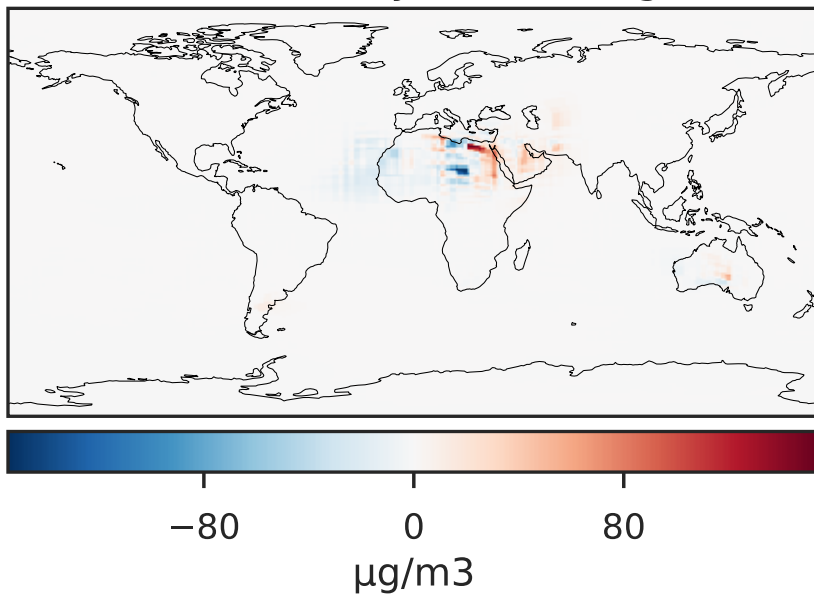
GCC_14.2.0 (Ref)
4.0x5.0



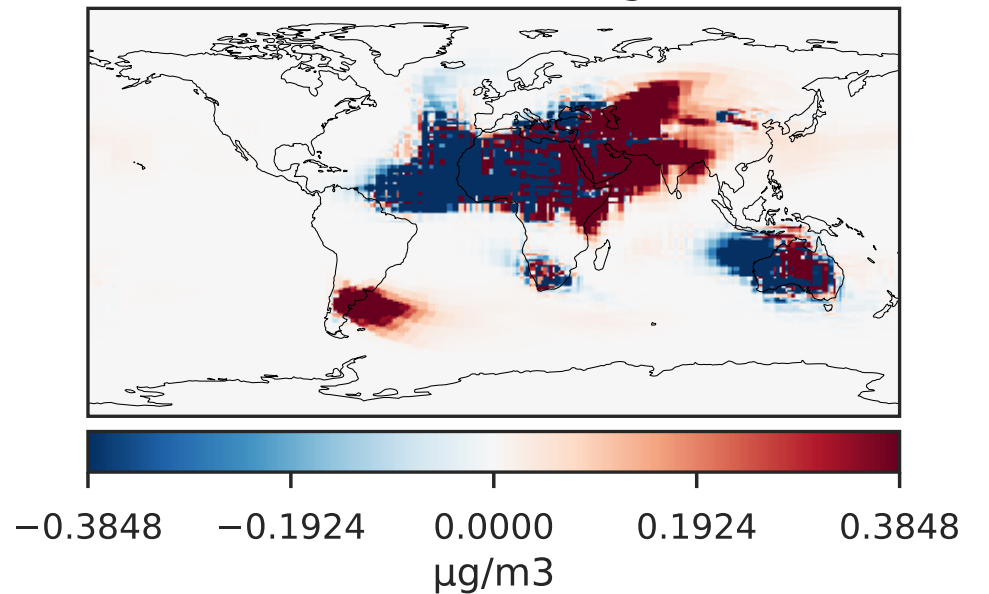
GCHP_14.2.0 (Dev)
c24



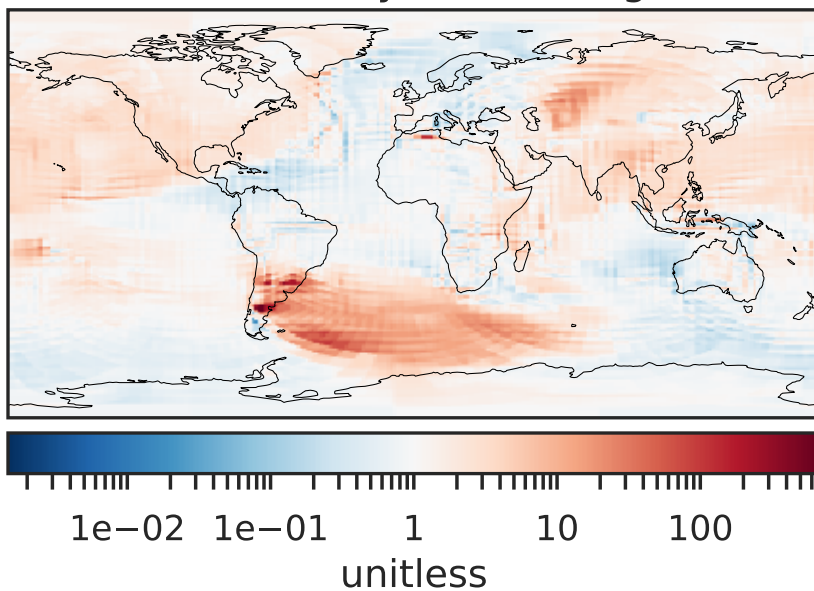
Difference (1x1.25)
Dev - Ref, Dynamic Range



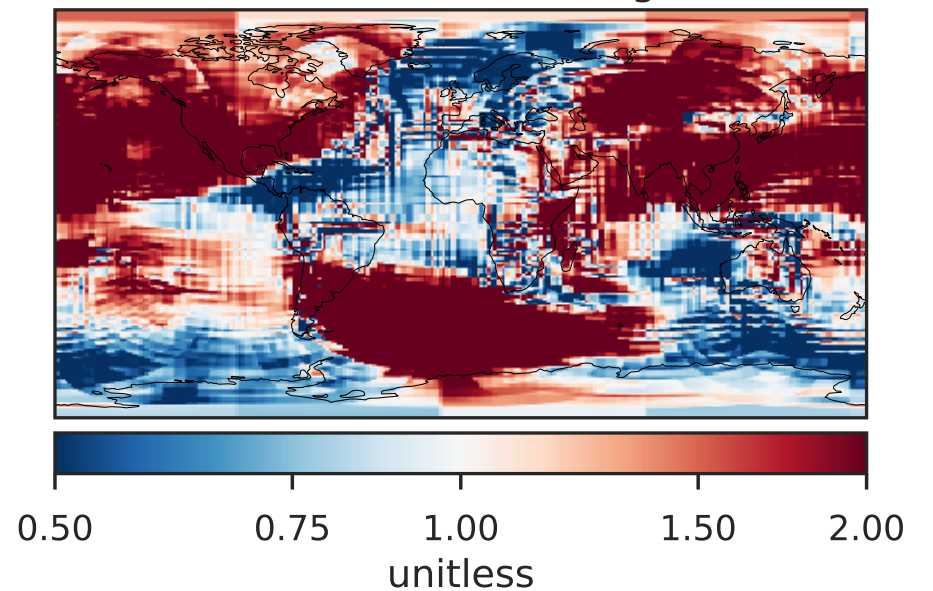
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

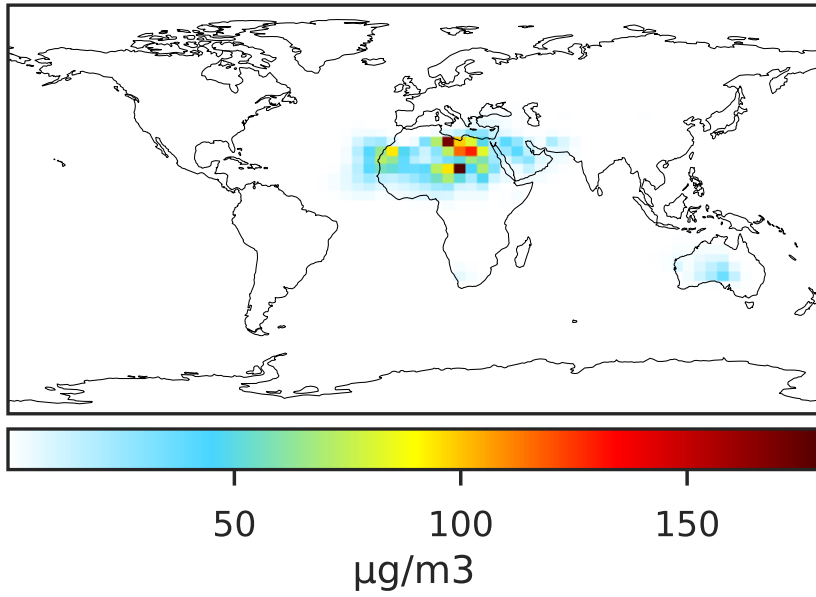


Ratio (1x1.25)
Dev/Ref, Fixed Range

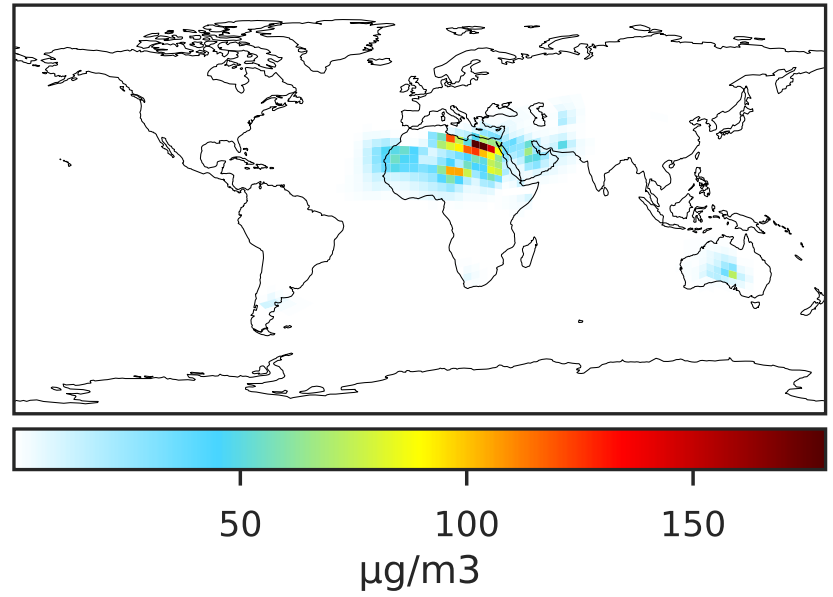


SpeciesConcVV_DST4 (Jan2019)

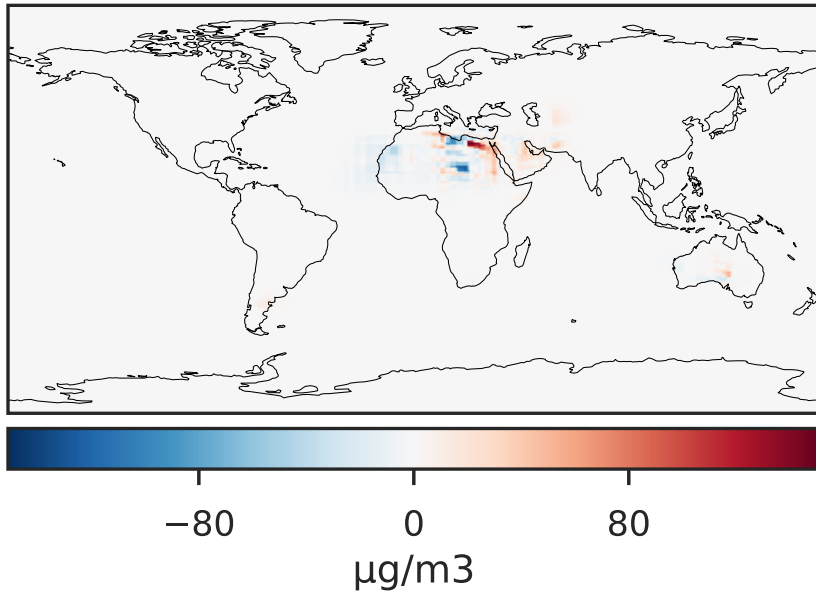
GCC_14.2.0 (Ref)
4.0x5.0



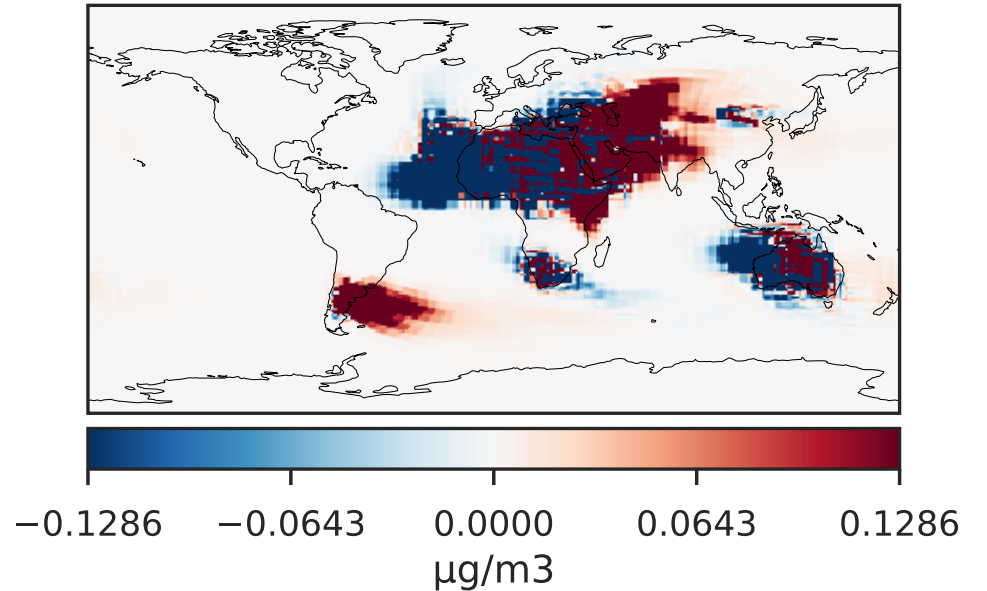
GCHP_14.2.0 (Dev)
c24



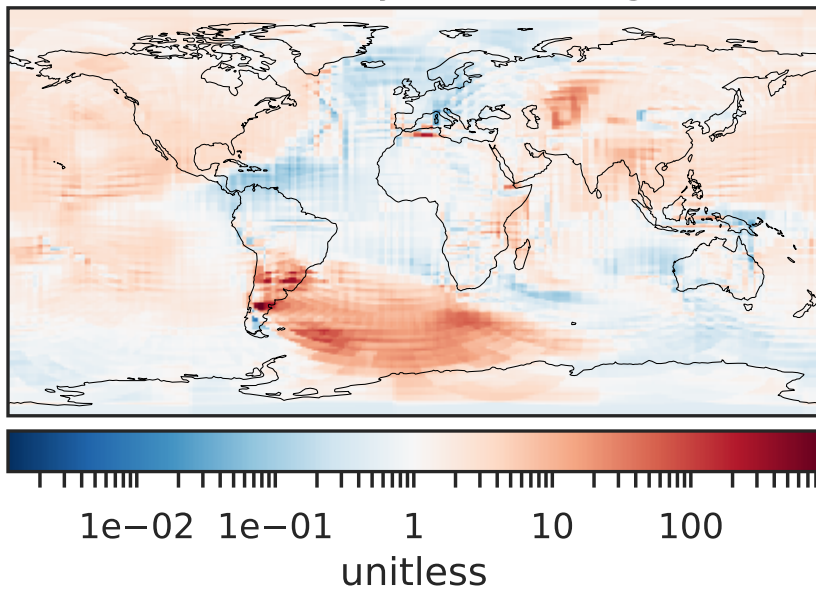
Difference (1x1.25)
Dev - Ref, Dynamic Range



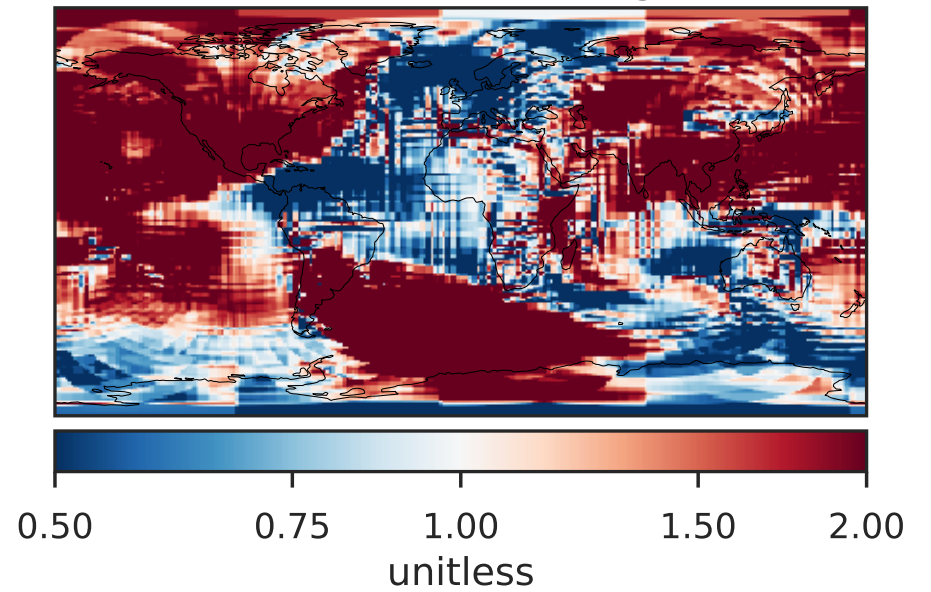
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

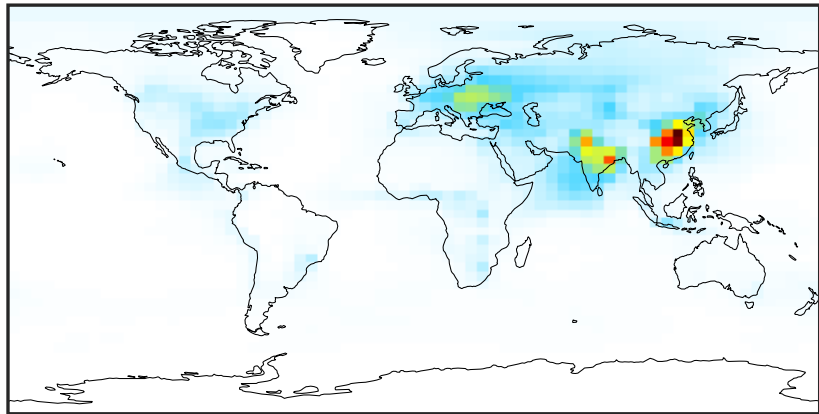


Ratio (1x1.25)
Dev/Ref, Fixed Range



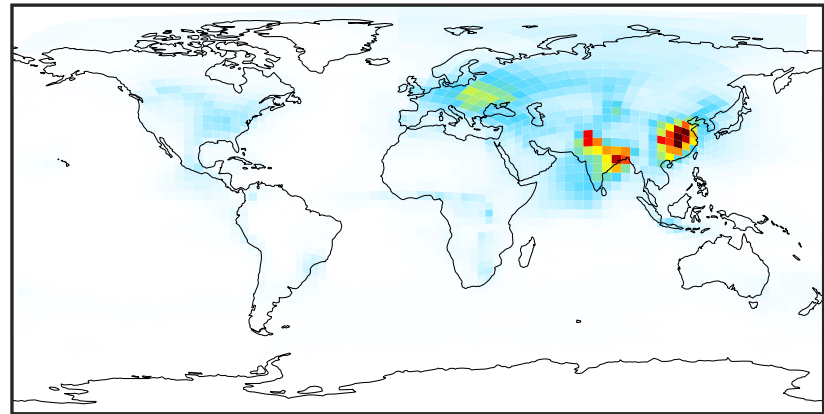
SpeciesConcVV_NH4 (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



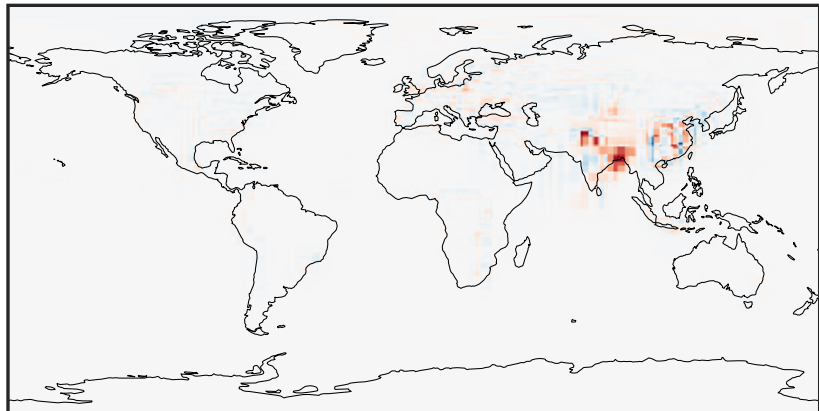
0.01 4.09 8.19 12.28 16.38
µg/m³

GCHP_14.2.0 (Dev)
c24



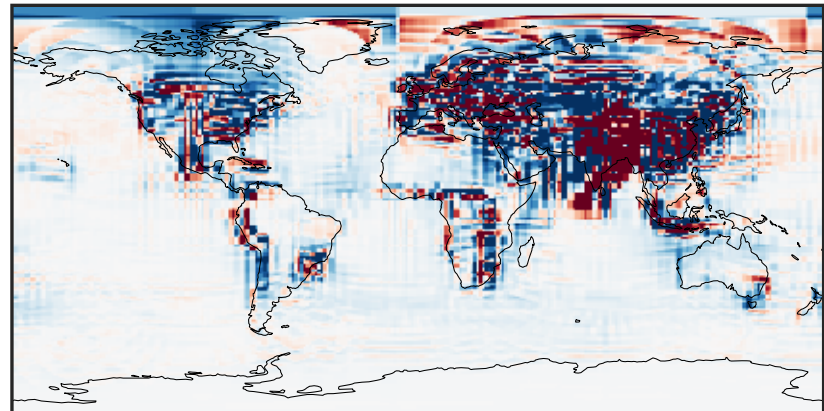
0.01 4.09 8.19 12.28 16.38
µg/m³

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



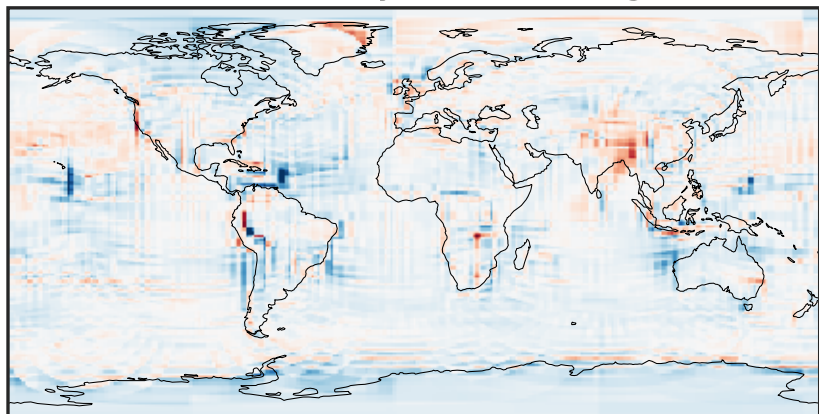
-7.09 -3.54 0.00 3.54 7.09
µg/m³

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



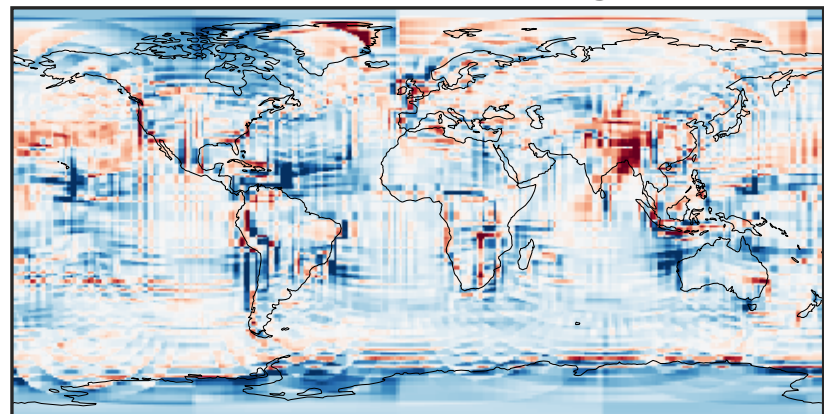
-0.1877 -0.0939 0.0000 0.0939 0.1877
µg/m³

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



0.184 0.592 1.000 3.217 5.435
unitless

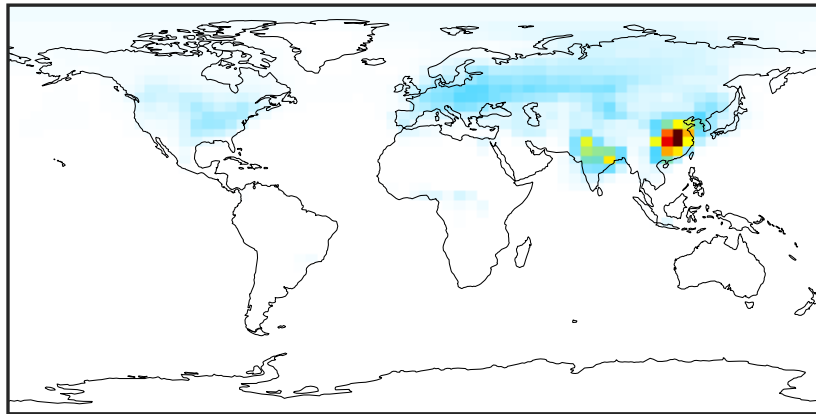
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

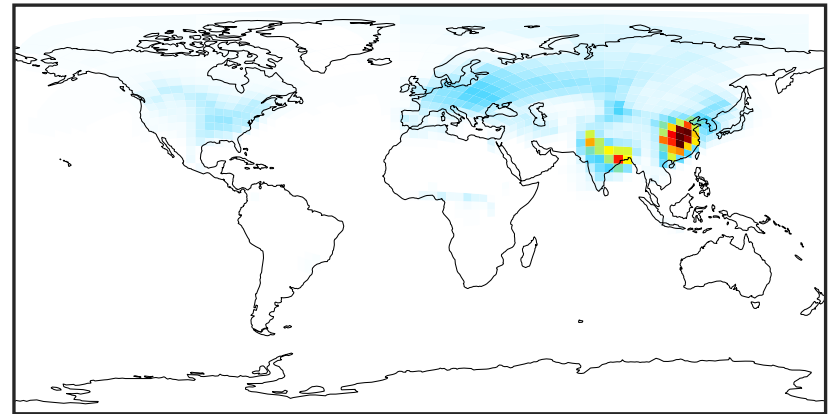
SpeciesConcVV_NIT (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



0.00 9.83 19.66 29.50 39.33
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



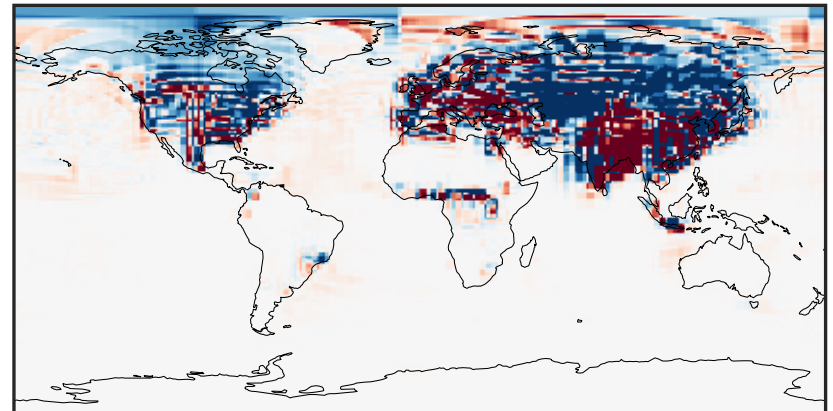
0.00 9.83 19.66 29.50 39.33
 $\mu\text{g}/\text{m}^3$

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



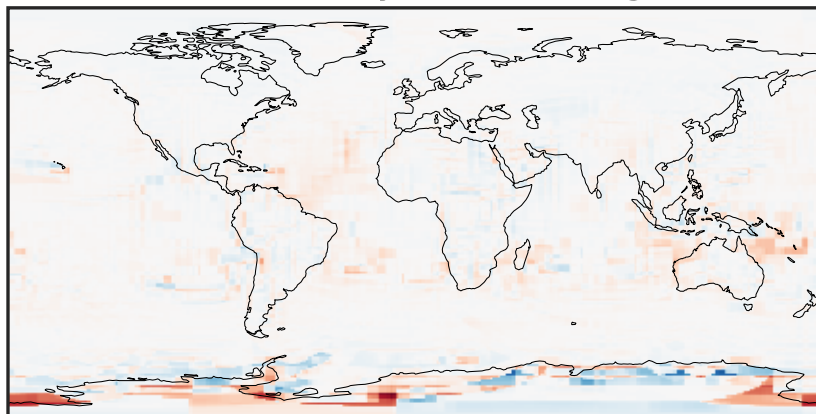
-17.8 -8.9 0.0 8.9 17.8
 $\mu\text{g}/\text{m}^3$

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



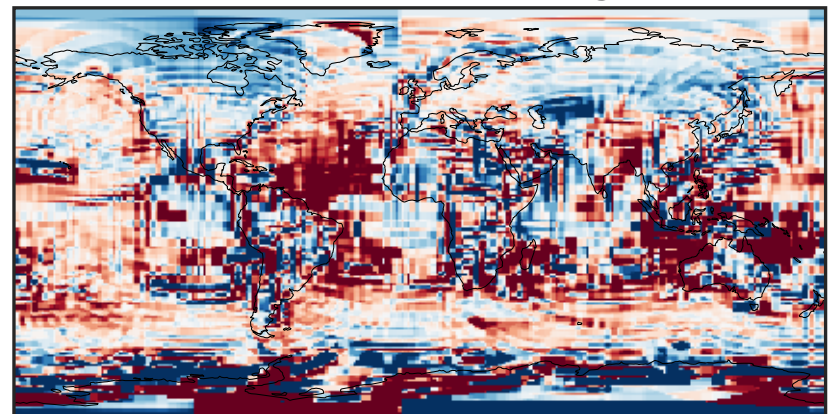
-0.3835 -0.1917 0.0000 0.1917 0.3835
 $\mu\text{g}/\text{m}^3$

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



1e-05 1e-02 10 1e4 1e+07
unitless

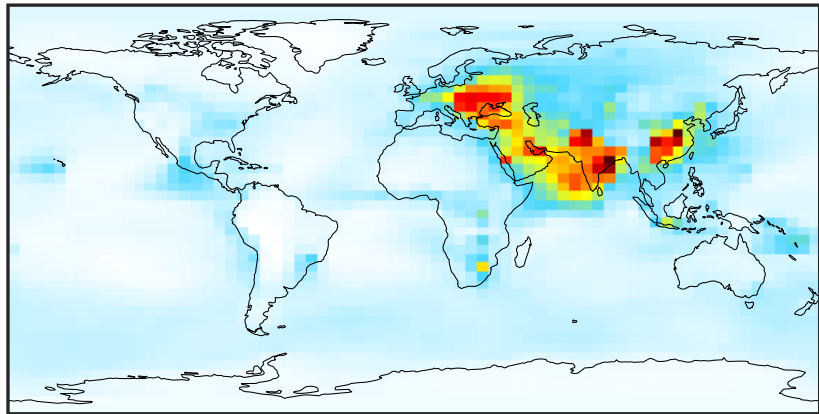
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

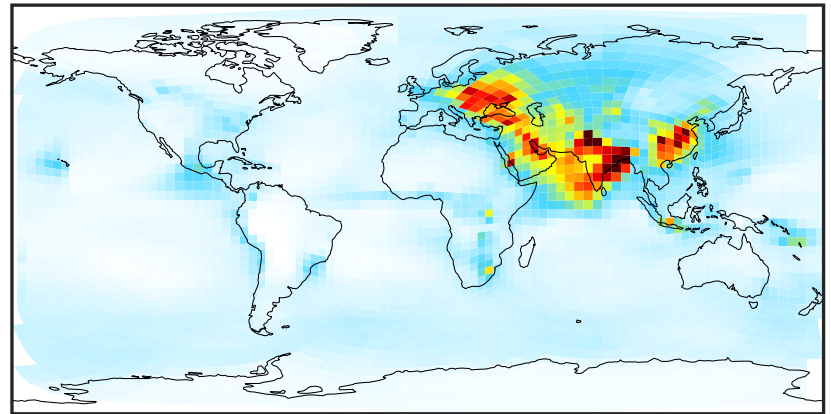
SpeciesConcVV_SO4 (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



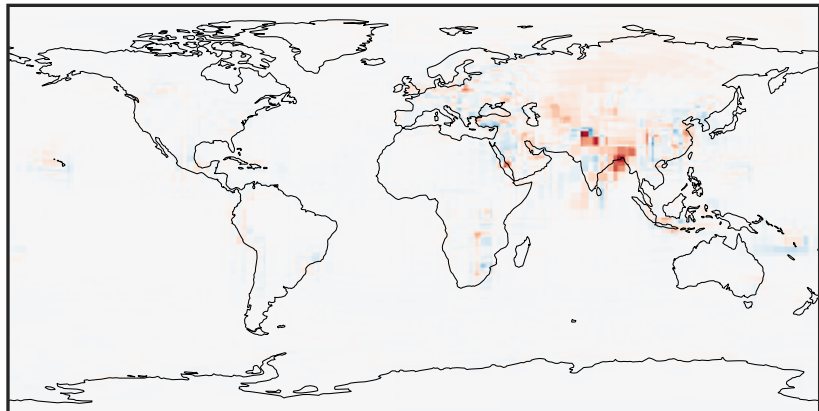
0.11 3.25 6.49 9.74 13.09
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



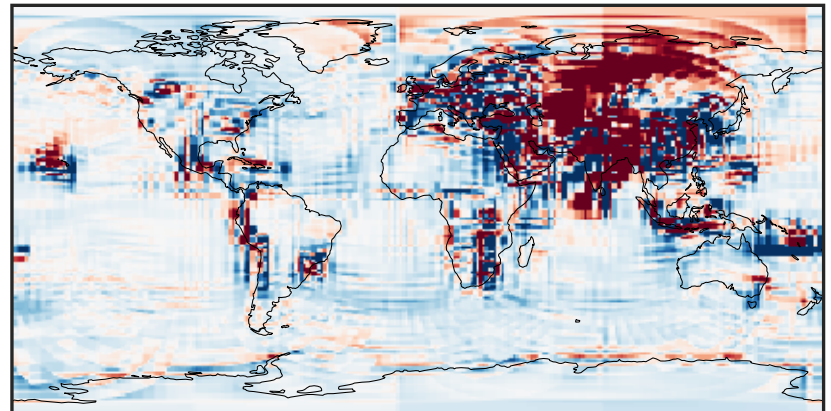
0.11 3.25 6.49 9.74 13.09
 $\mu\text{g}/\text{m}^3$

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



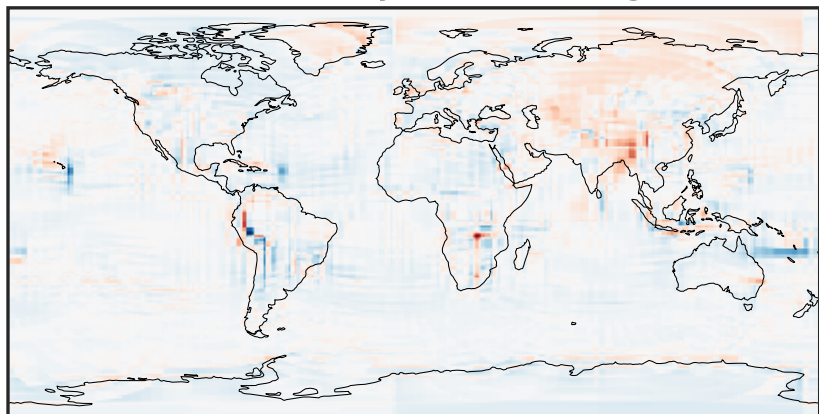
-8.98 -4.49 0.00 4.49 8.98
 $\mu\text{g}/\text{m}^3$

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



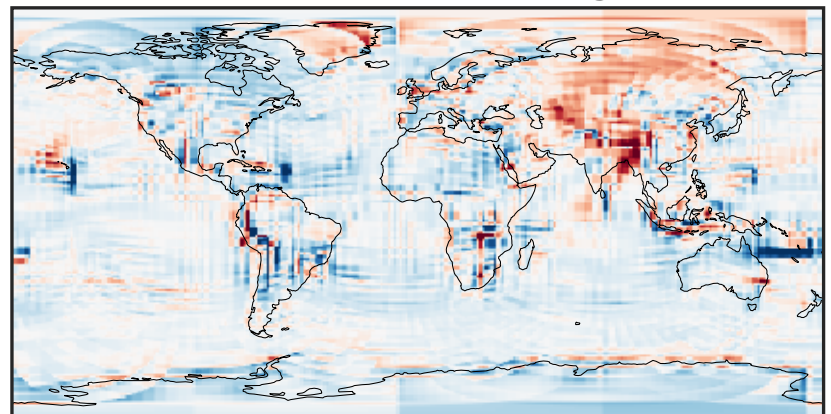
-0.3991 -0.1995 0.0000 0.1995 0.3991
 $\mu\text{g}/\text{m}^3$

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



0.138 0.569 1.000 4.122 7.243
unitless

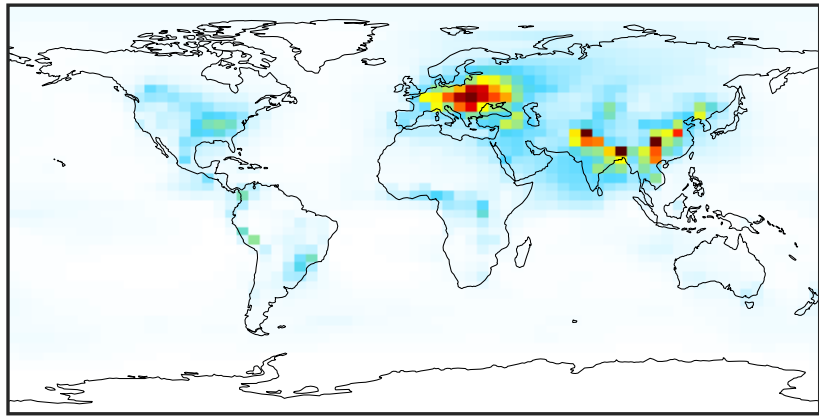
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

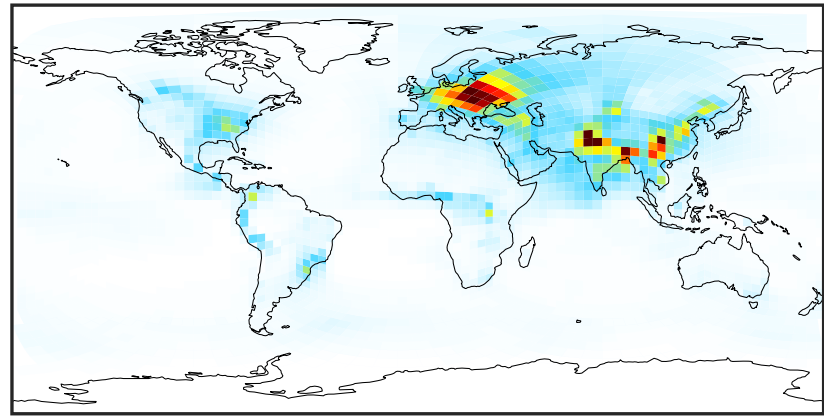
SpeciesConcVV_HMS (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



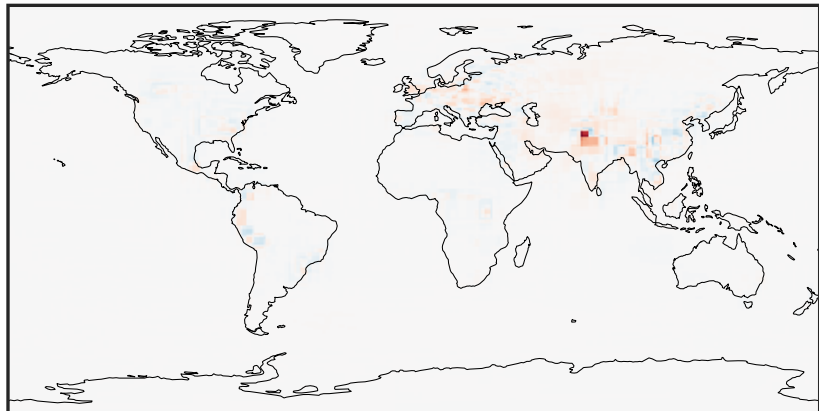
0.002 0.533 1.065 1.598 2.133
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



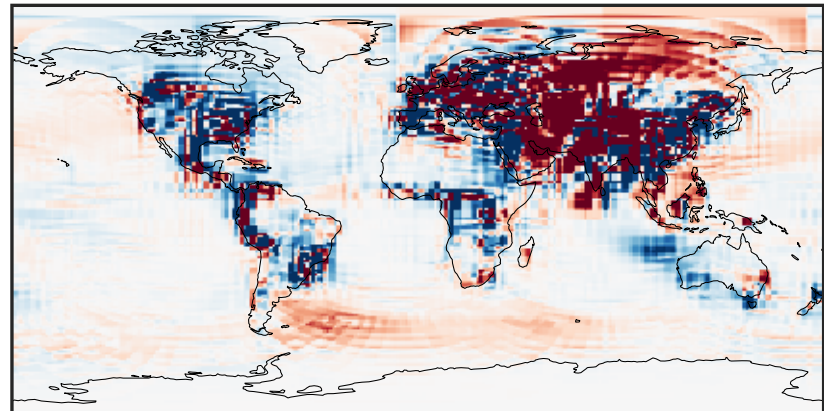
0.002 0.533 1.065 1.598 2.133
 $\mu\text{g}/\text{m}^3$

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



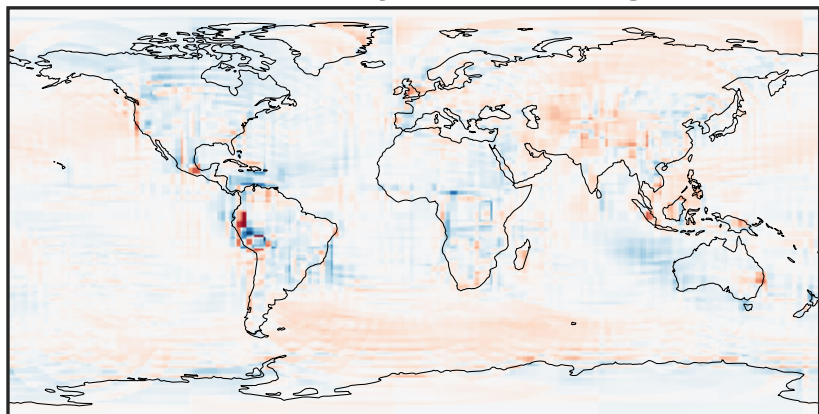
-2.632 -1.316 0.000 1.316 2.632
 $\mu\text{g}/\text{m}^3$

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



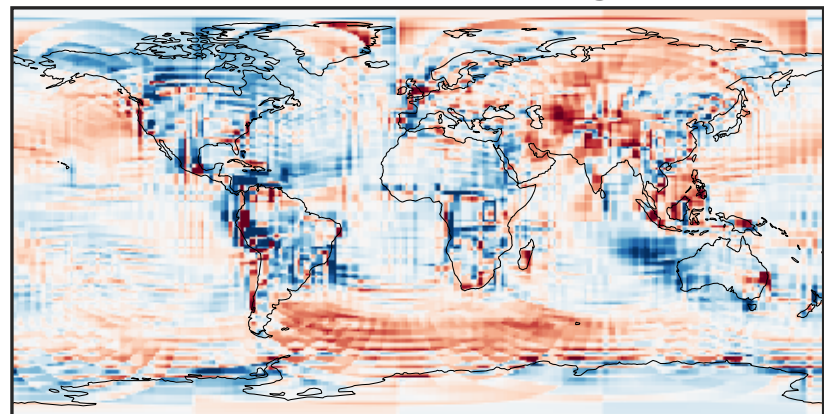
-0.025 0.000 0.025
 $\mu\text{g}/\text{m}^3$

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



1e-01 1 10
unitless

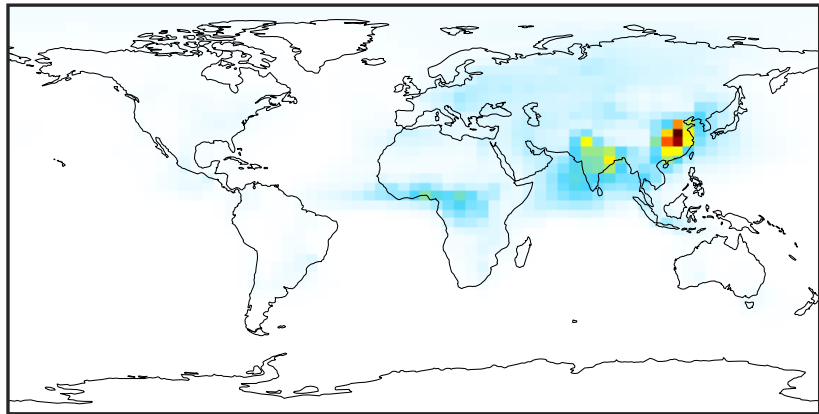
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

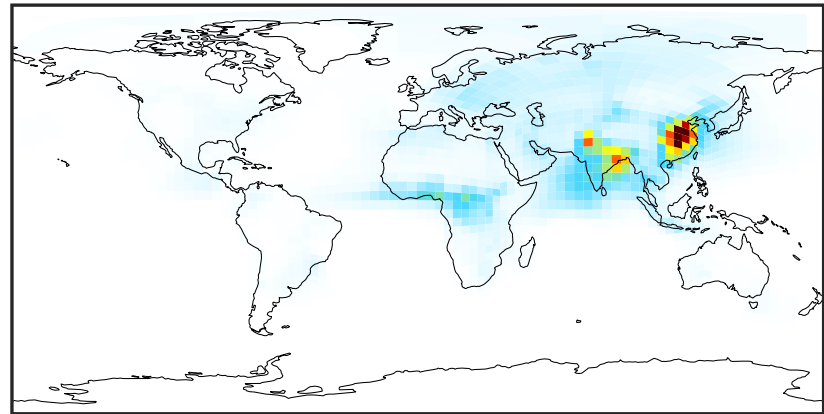
SpeciesConcVV_BCPI (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



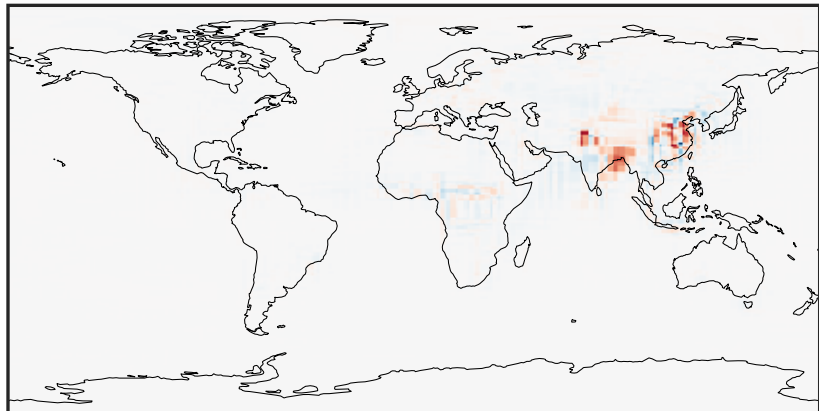
0.000 1.142 2.284 3.426 4.568
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



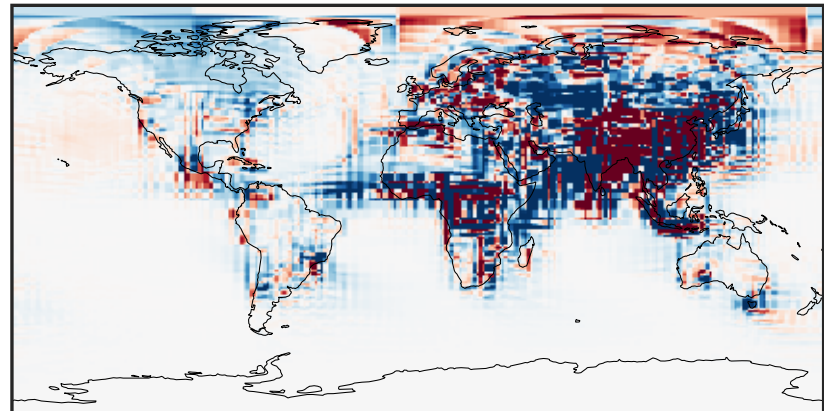
0.000 1.142 2.284 3.426 4.568
 $\mu\text{g}/\text{m}^3$

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



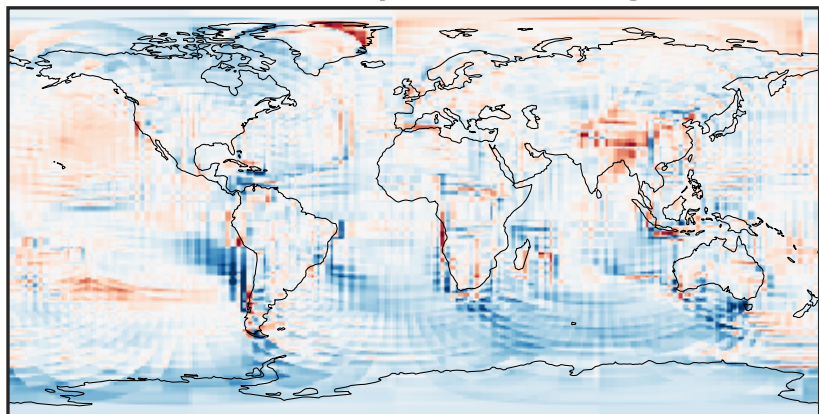
-1.78 -0.89 0.00 0.89 1.78
 $\mu\text{g}/\text{m}^3$

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



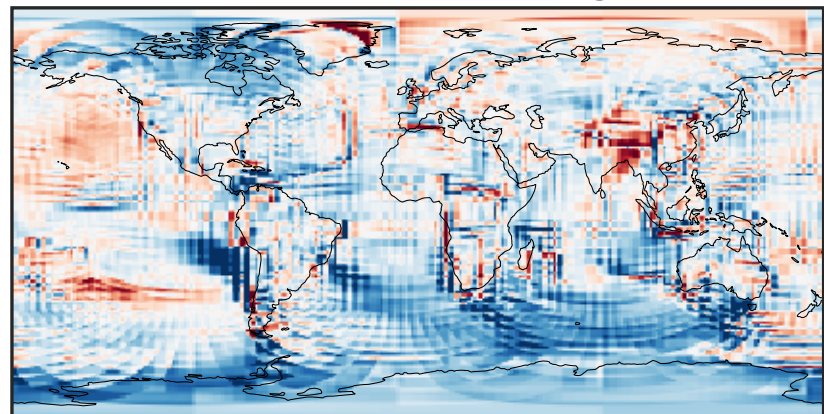
-0.02 0.00 0.02
 $\mu\text{g}/\text{m}^3$

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



0.284 0.642 1.000 2.259 3.519
unitless

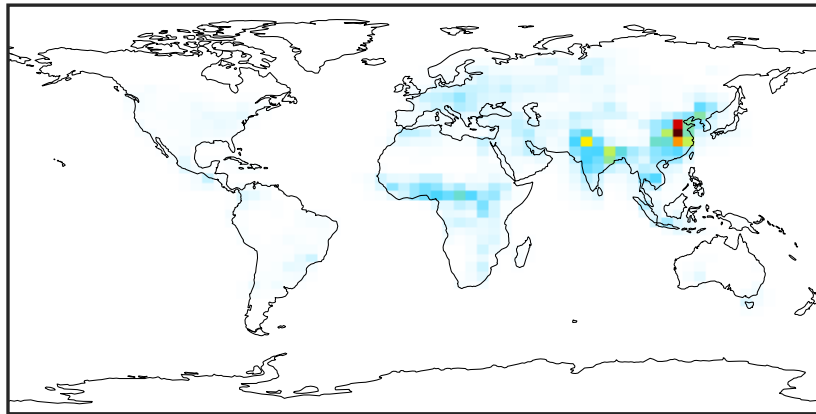
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

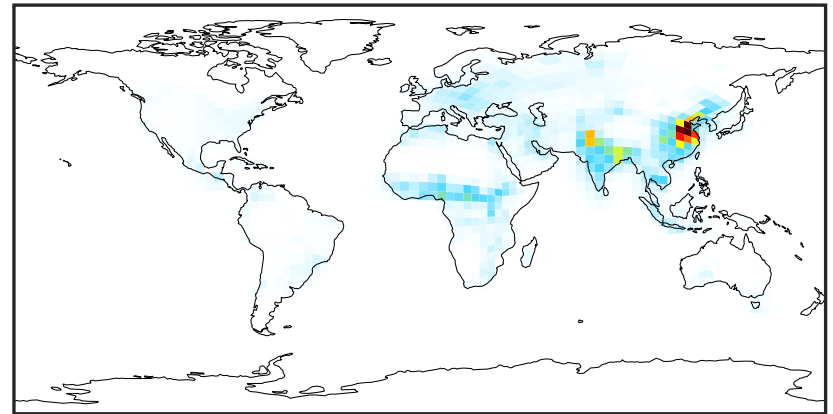
SpeciesConcVV_BCPO (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



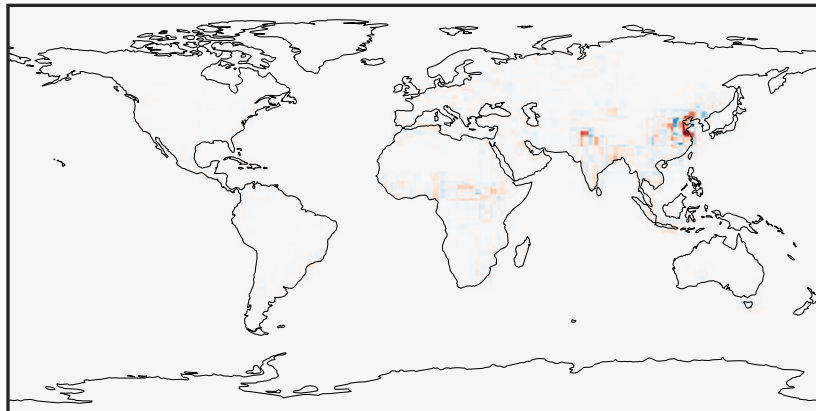
0.000 0.868 1.735 2.603 3.471
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



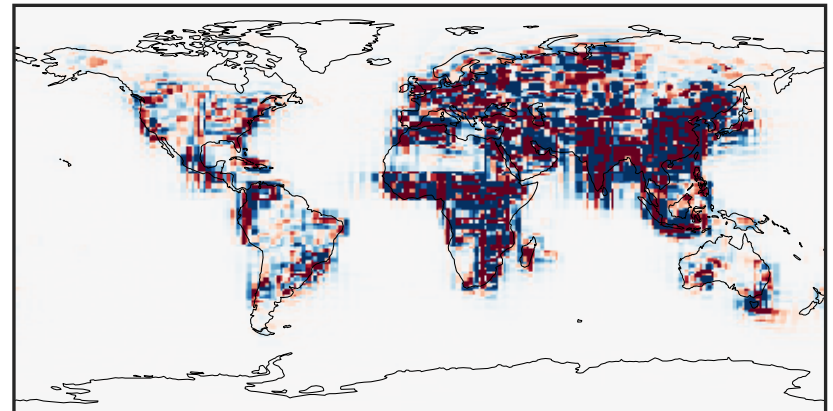
0.000 0.868 1.735 2.603 3.471
 $\mu\text{g}/\text{m}^3$

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



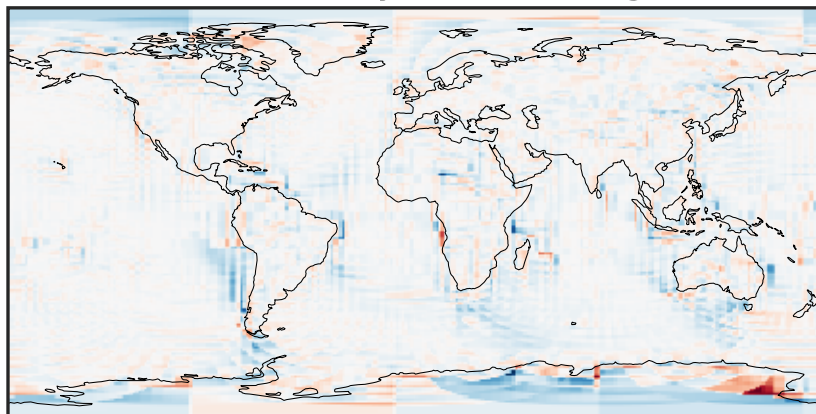
-1.722 -0.861 0.000 0.861 1.722
 $\mu\text{g}/\text{m}^3$

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



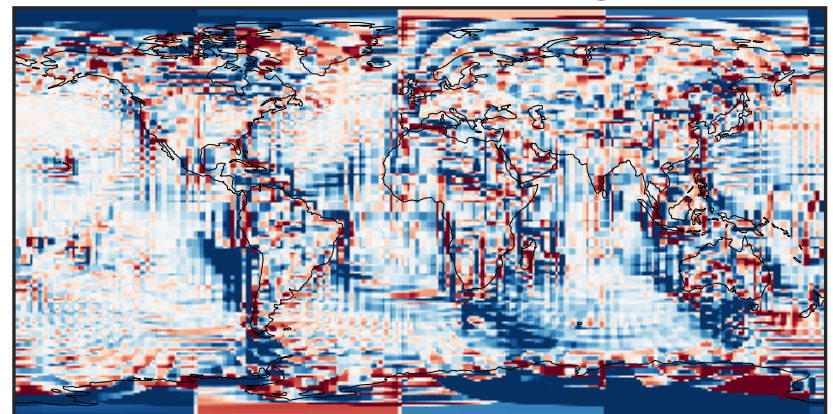
-0.01 0.00 0.01
 $\mu\text{g}/\text{m}^3$

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



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

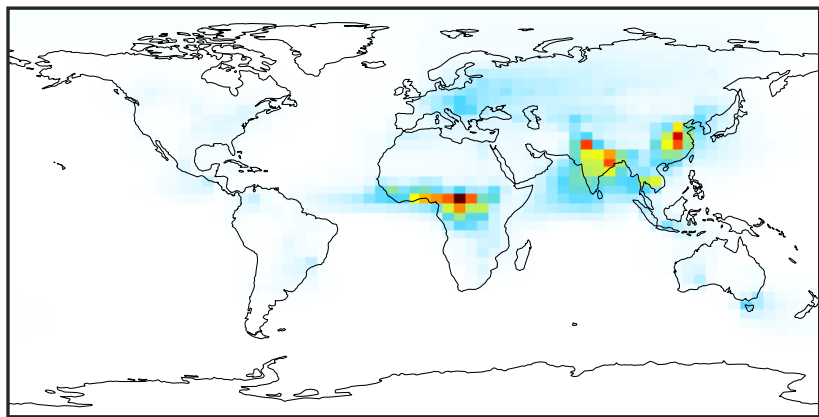
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

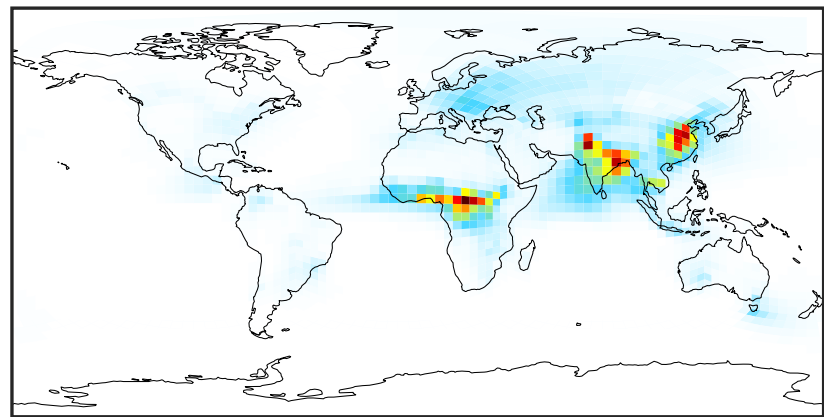
SpeciesConcVW_OCPI (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



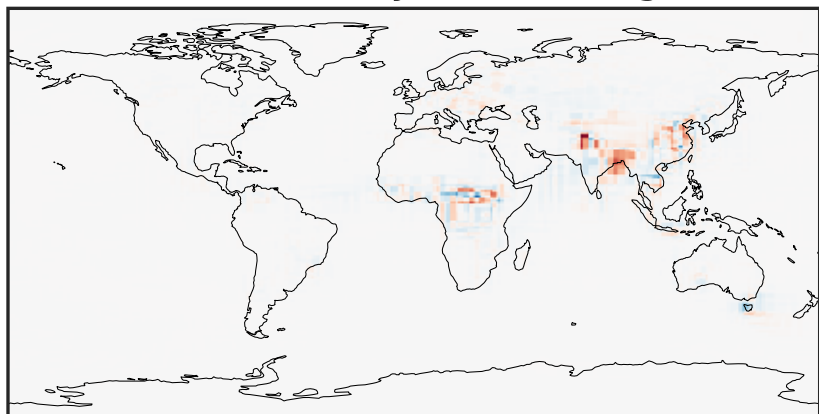
0.00 3.10 6.19 9.29 12.38
µg/m3

GCHP_14.2.0 (Dev)
c24



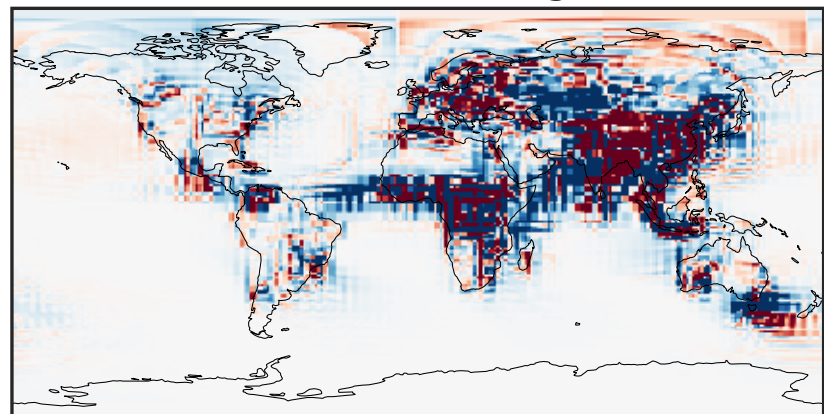
0.00 3.10 6.19 9.29 12.38
µg/m3

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



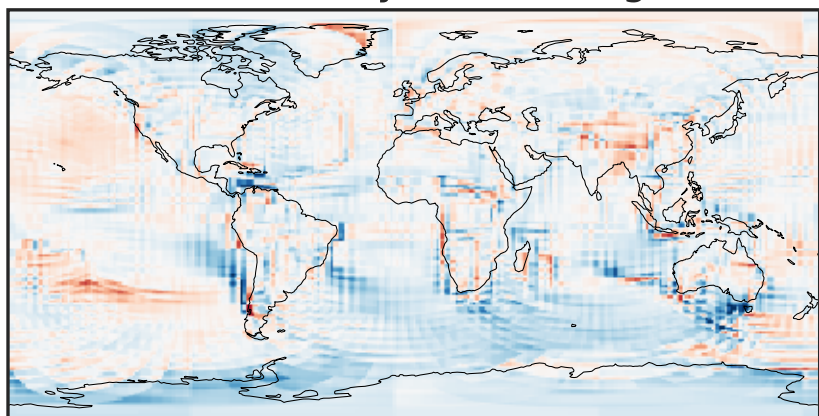
-6.02 -3.01 0.00 3.01 6.02
µg/m3

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



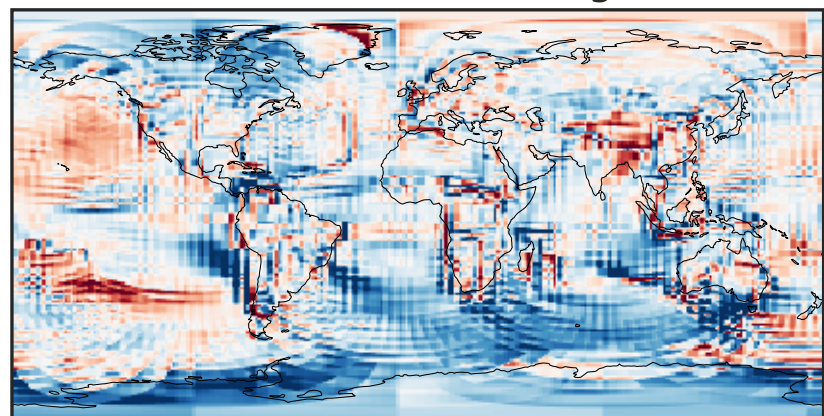
-0.1098 -0.0549 0.0000 0.0549 0.1098
µg/m3

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



0.182 0.591 1.000 3.247 5.494
unitless

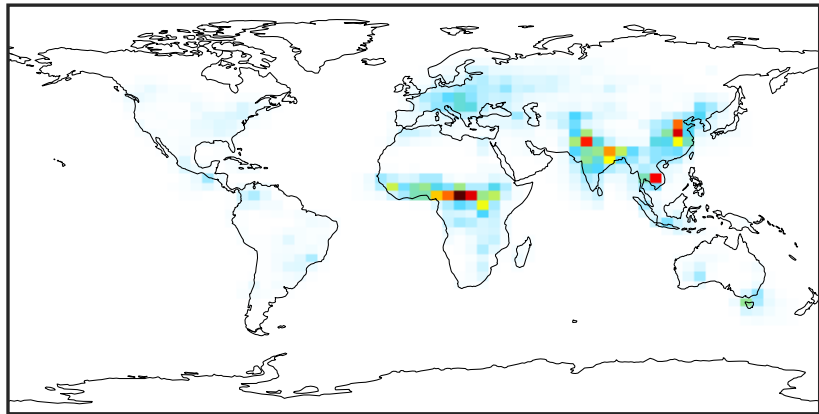
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

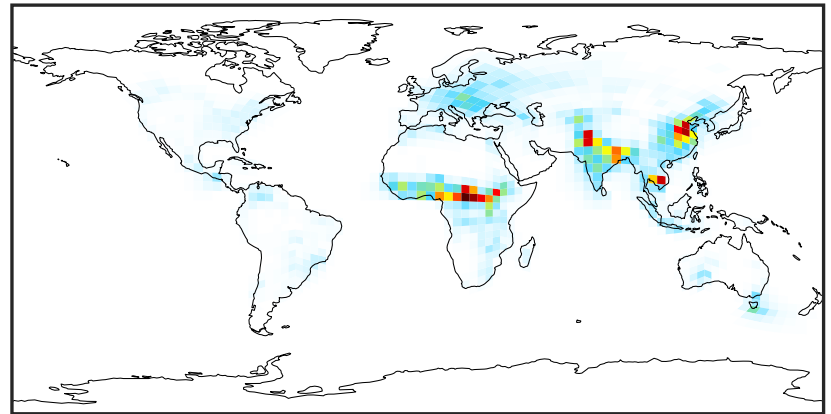
SpeciesConcVV_OCPO (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



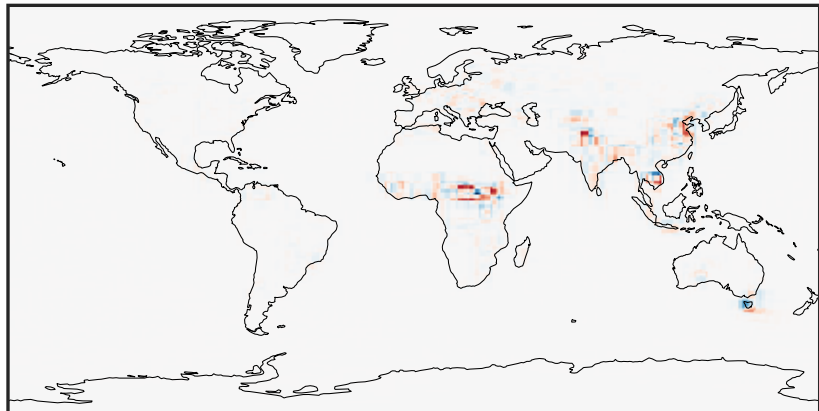
0.000 1.151 2.302 3.453 4.604
µg/m3

GCHP_14.2.0 (Dev)
c24



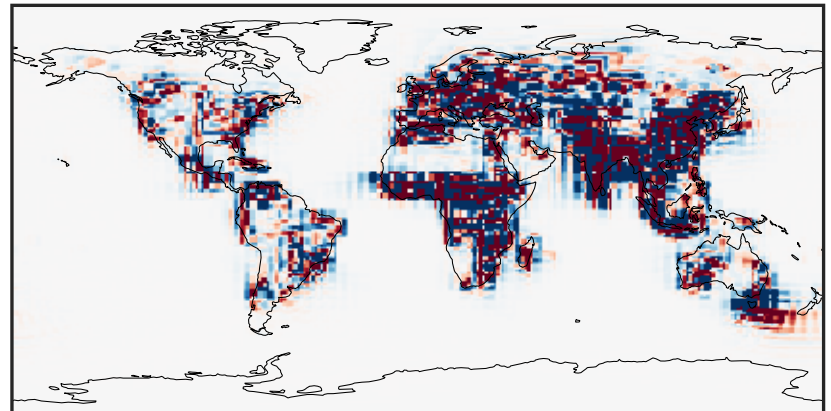
0.000 1.151 2.302 3.453 4.604
µg/m3

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



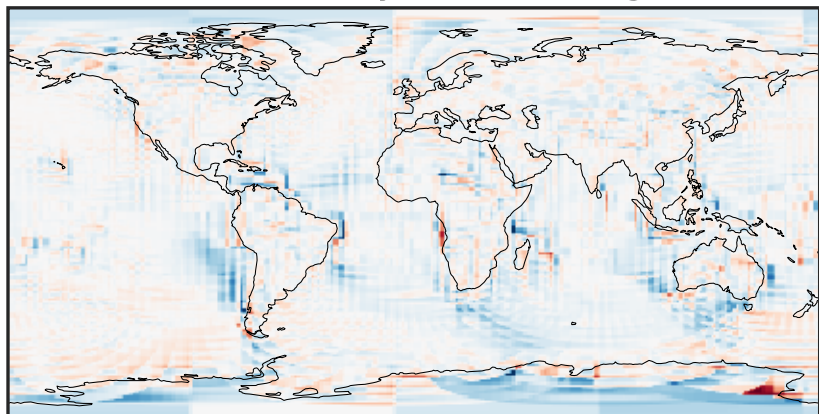
-2.548 -1.274 0.000 1.274 2.548
µg/m3

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



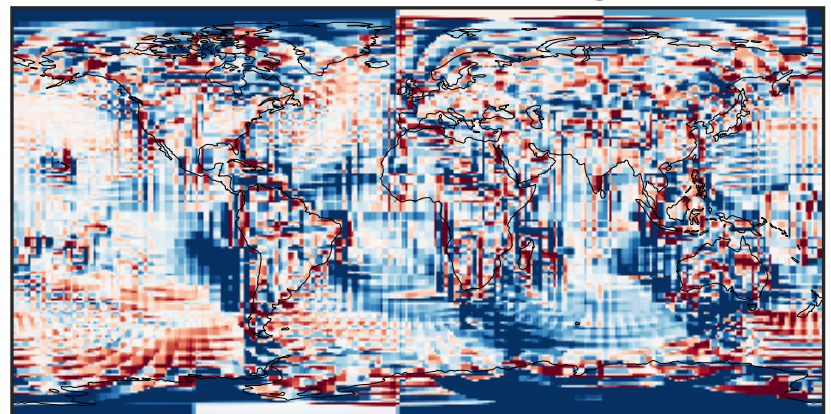
-0.02 0.00 0.02
µg/m3

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



1e-01 1 10
unitless

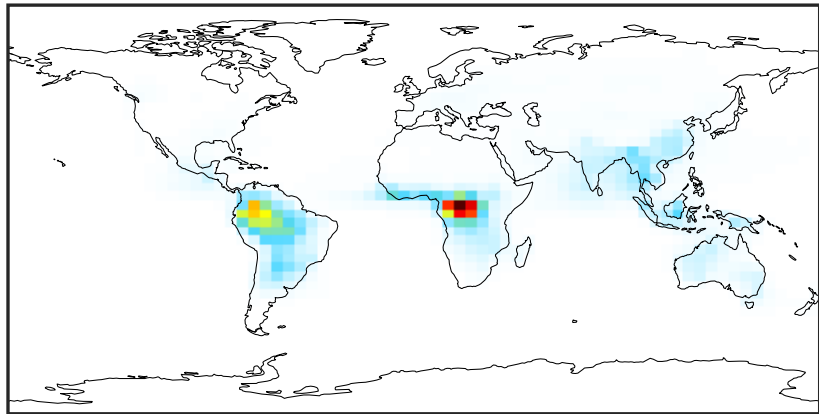
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

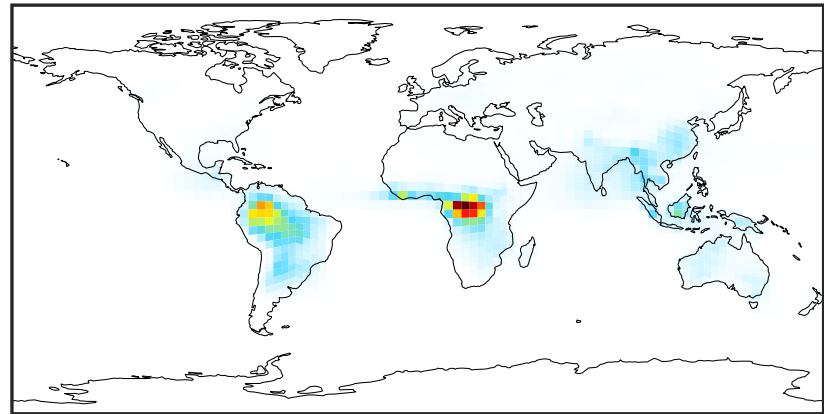
SpeciesConcVV_Complex_SOA (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



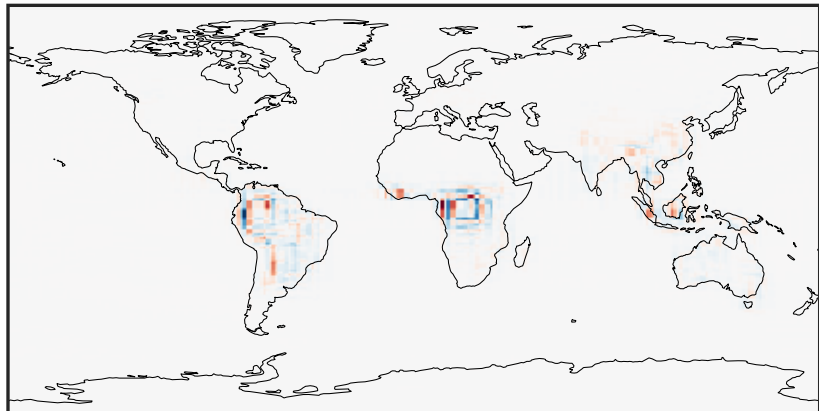
0.000 2.092 4.185 6.277 8.370
µg/m3

GCHP_14.2.0 (Dev)
c24



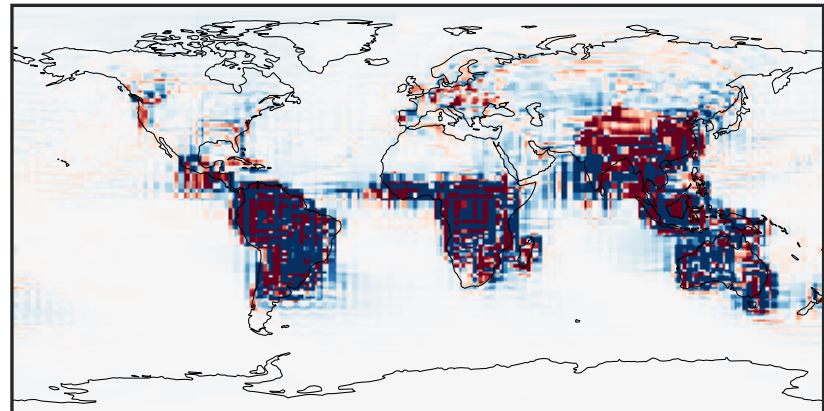
0.000 2.092 4.185 6.277 8.370
µg/m3

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



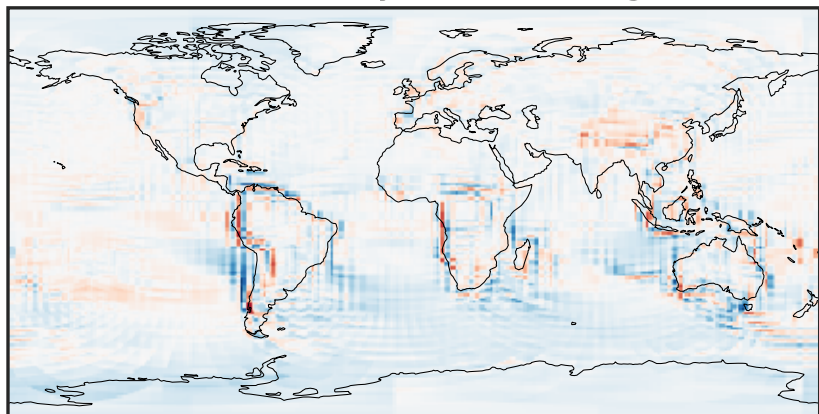
-2.361 -1.181 0.000 1.181 2.361
µg/m3

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



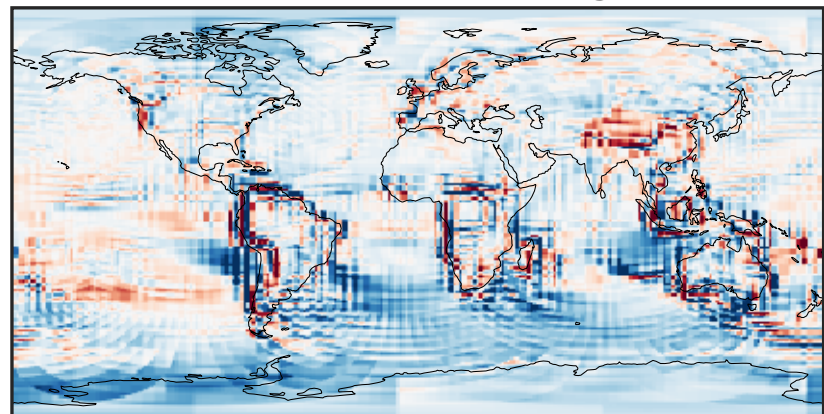
-0.02 0.00 0.02
µg/m3

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



0.127 0.564 1.000 4.435 7.870
unitless

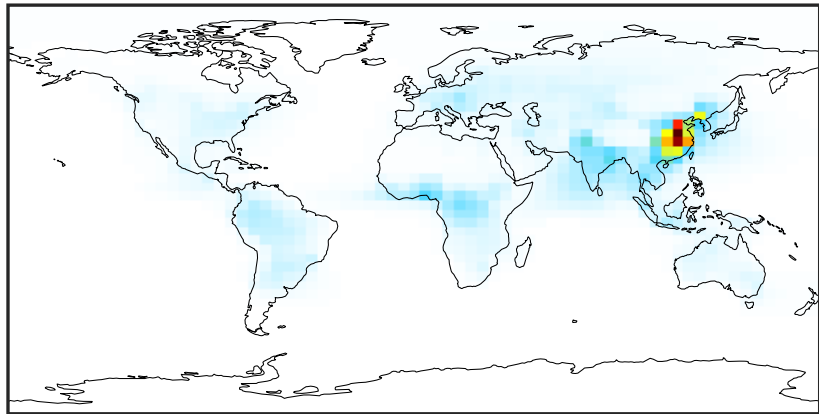
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

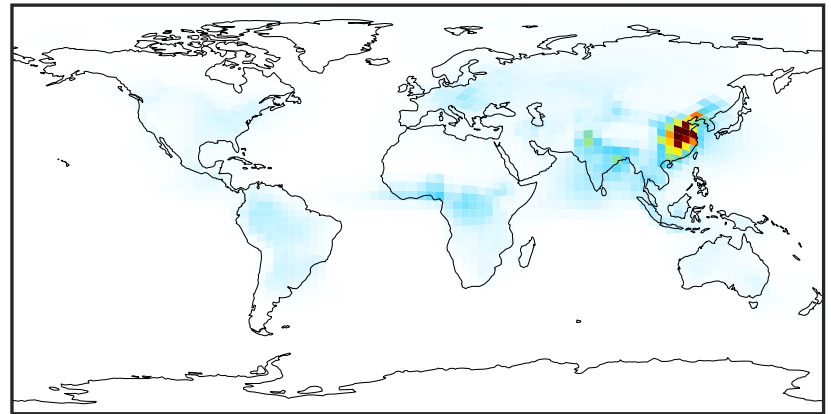
SpeciesConcVV_Simple_SOA (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



0.00 15.93 31.86 47.79 63.73
µg/m3

GCHP_14.2.0 (Dev)
c24



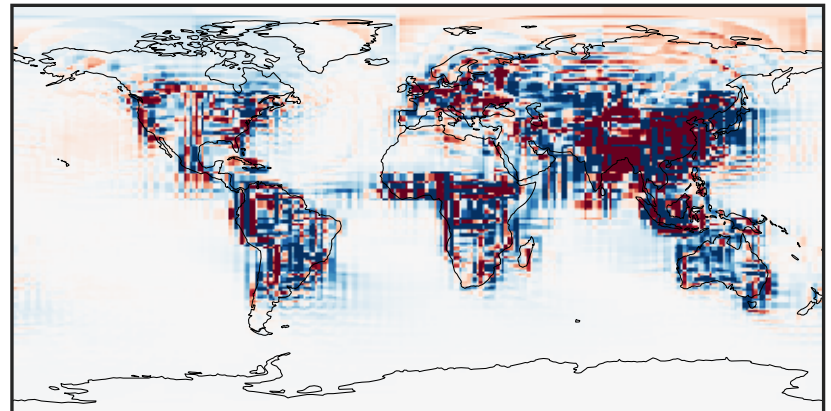
0.00 15.93 31.86 47.79 63.73
µg/m3

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



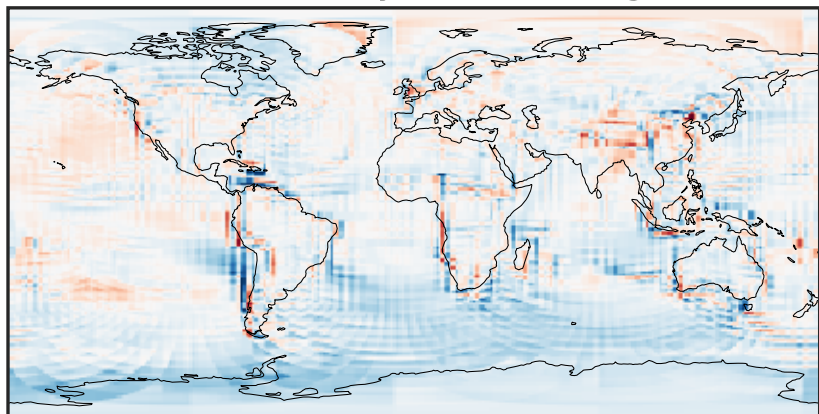
-36.37 -18.18 0.00 18.18 36.37
µg/m3

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



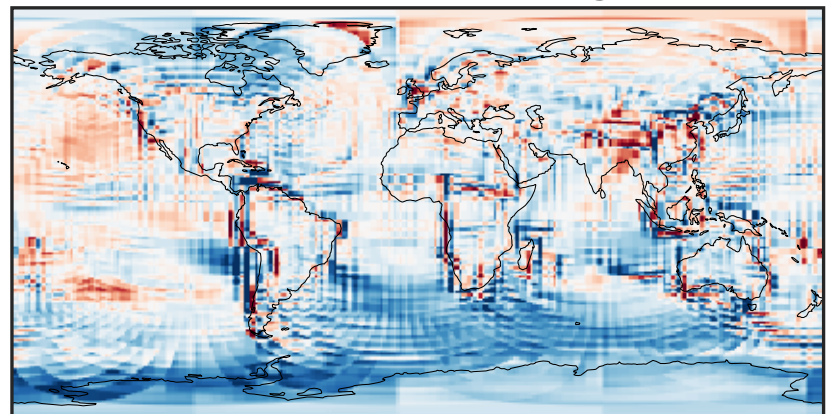
-0.386 -0.193 0.000 0.193 0.386
µg/m3

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



0.219 0.610 1.000 2.782 4.563
unitless

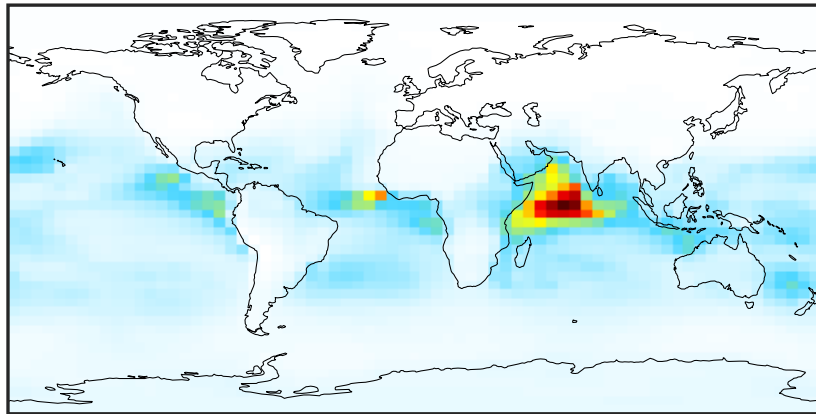
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

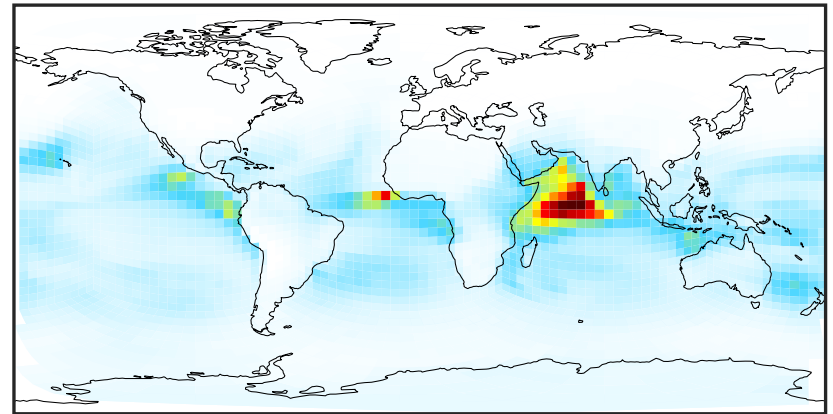
SpeciesConcVV_AERI (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



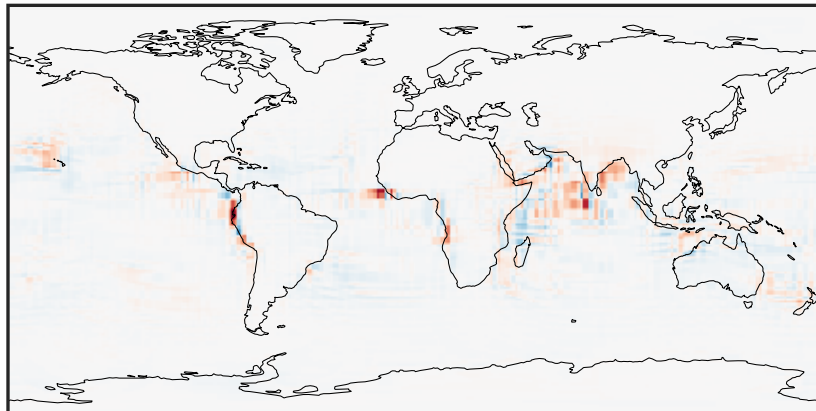
0.015 0.030 0.045
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



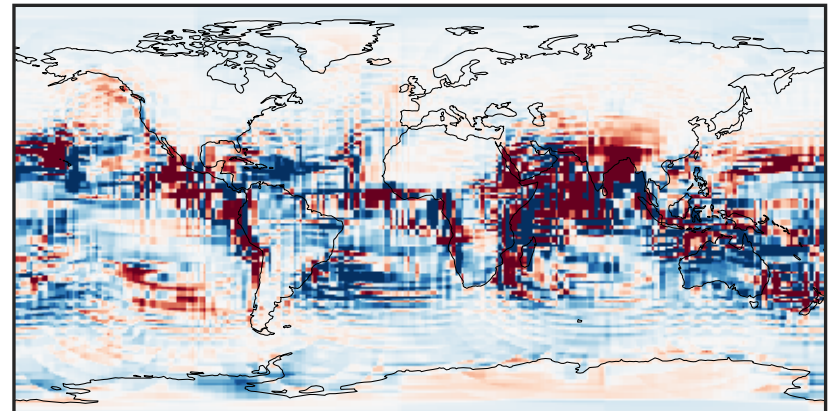
0.015 0.030 0.045
 $\mu\text{g}/\text{m}^3$

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



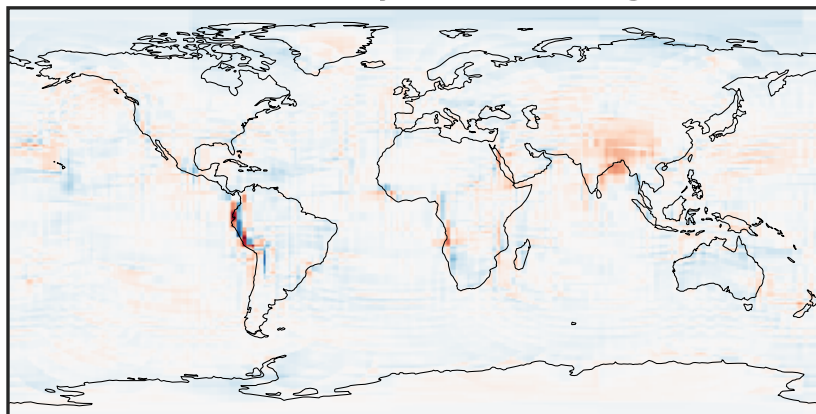
-0.01 0.00 0.01
 $\mu\text{g}/\text{m}^3$

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



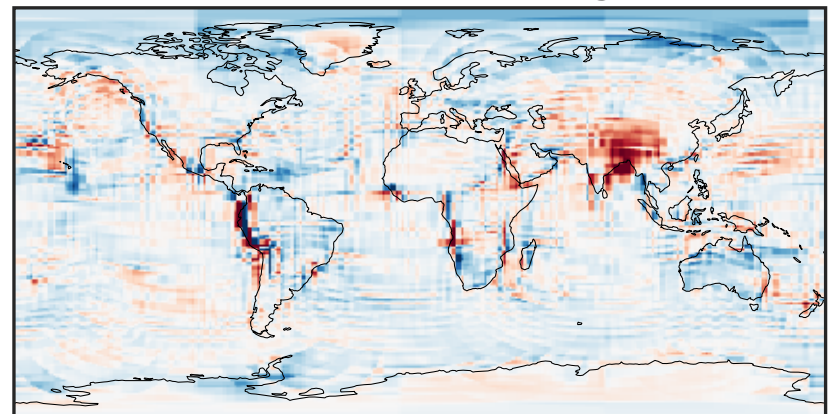
-0.0005 0.0000 0.0005
 $\mu\text{g}/\text{m}^3$

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



0.136 0.568 1.000 4.184 7.367
unitless

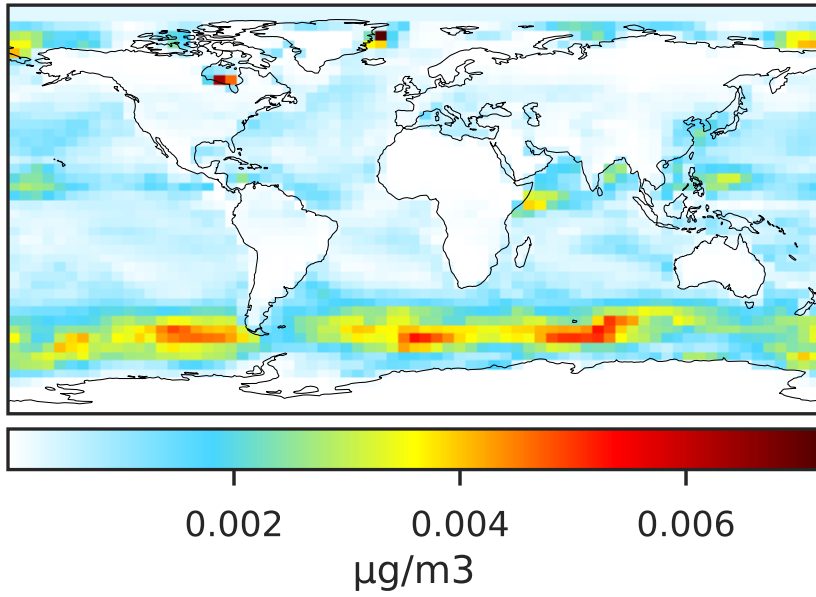
Ratio (1x1.25)
Dev/Ref, Fixed Range



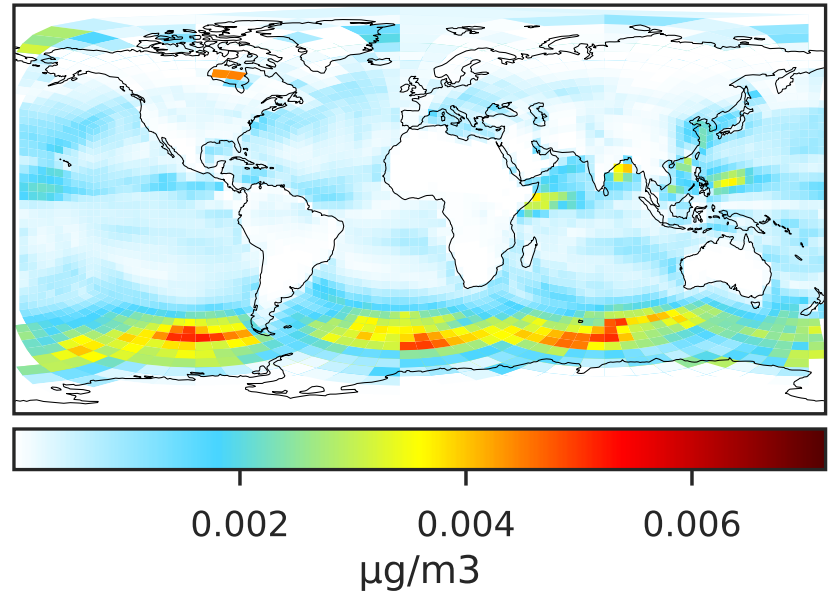
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_BrSALA (Jan2019)

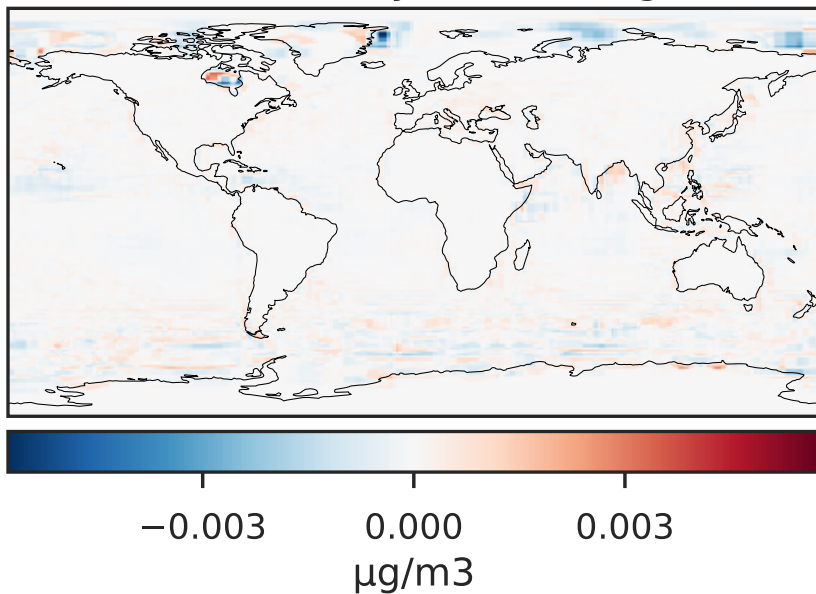
GCC_14.2.0 (Ref)
4.0x5.0



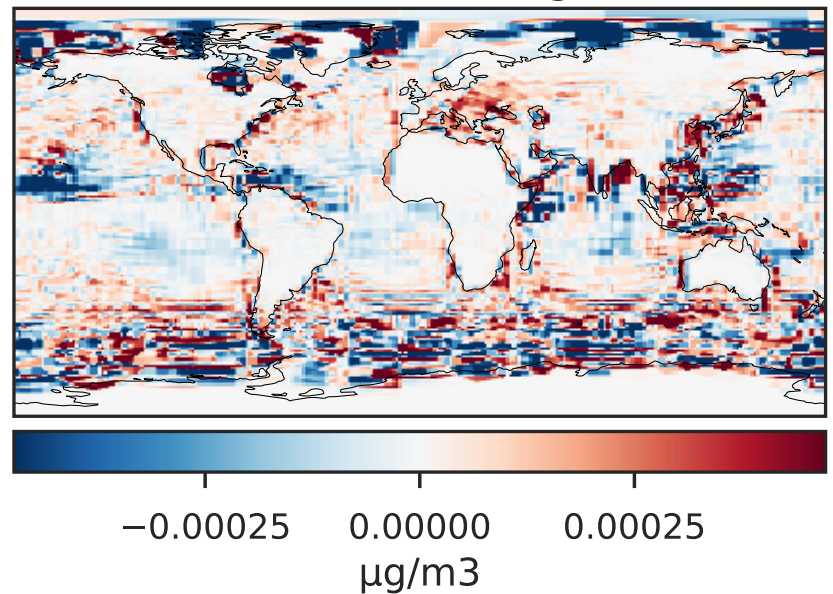
GCHP_14.2.0 (Dev)
c24



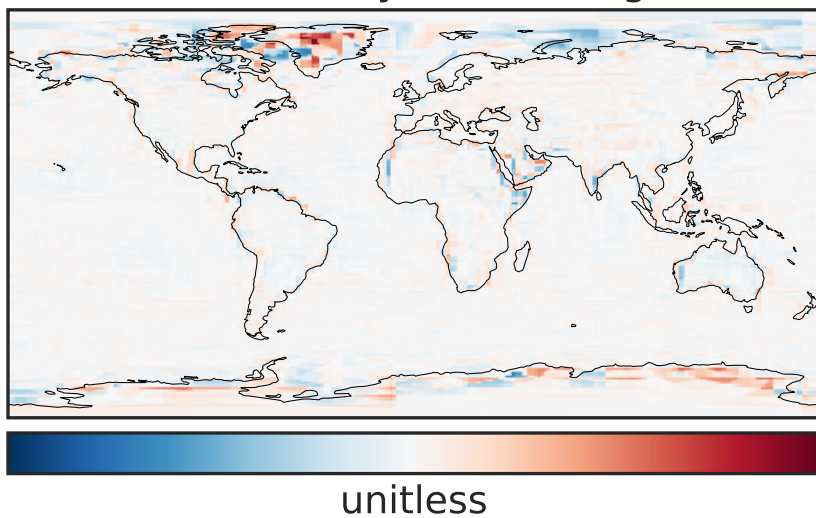
Difference (1x1.25)
Dev - Ref, Dynamic Range



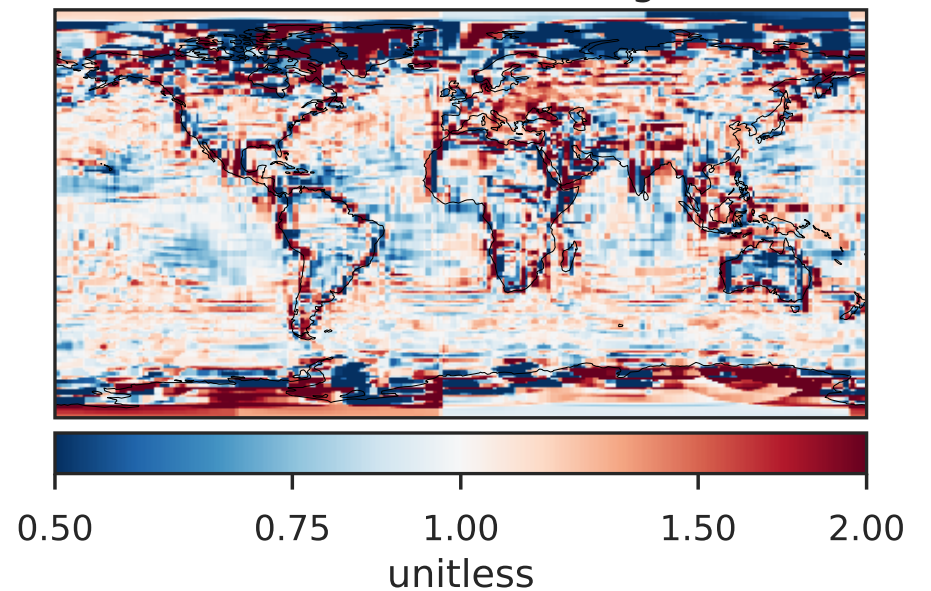
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

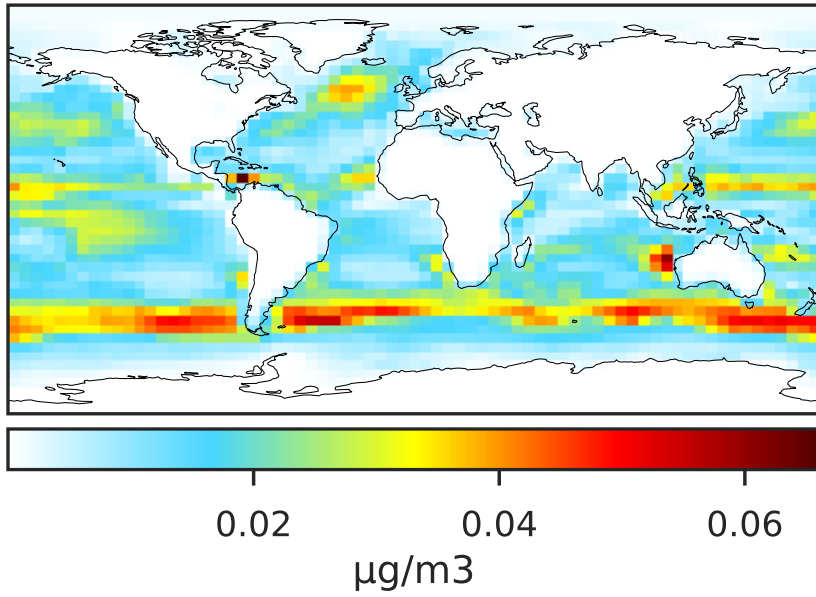


Ratio (1x1.25)
Dev/Ref, Fixed Range

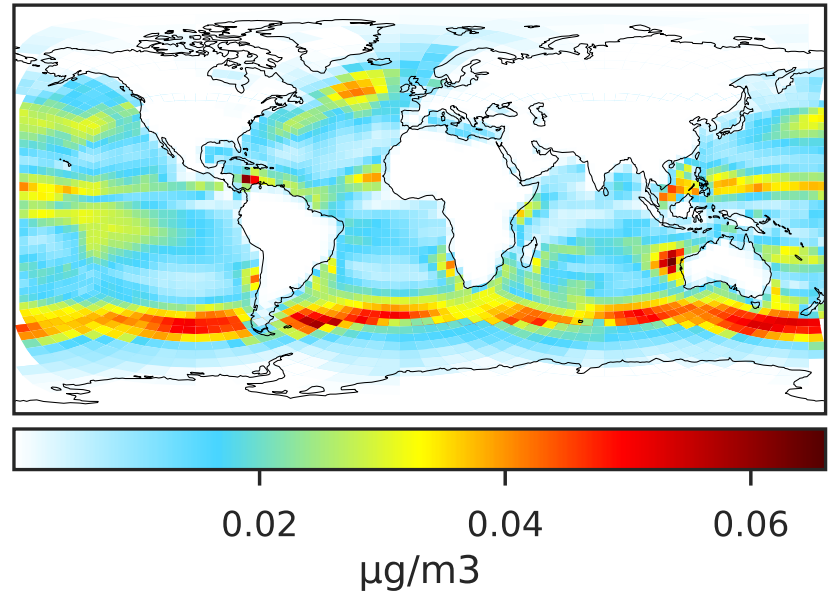


SpeciesConcVV_BrSALC (Jan2019)

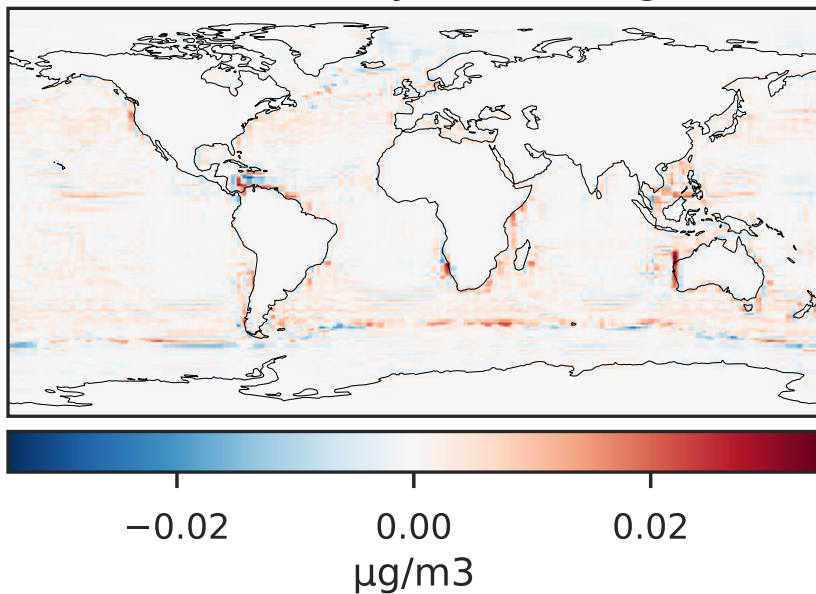
GCC_14.2.0 (Ref)
4.0x5.0



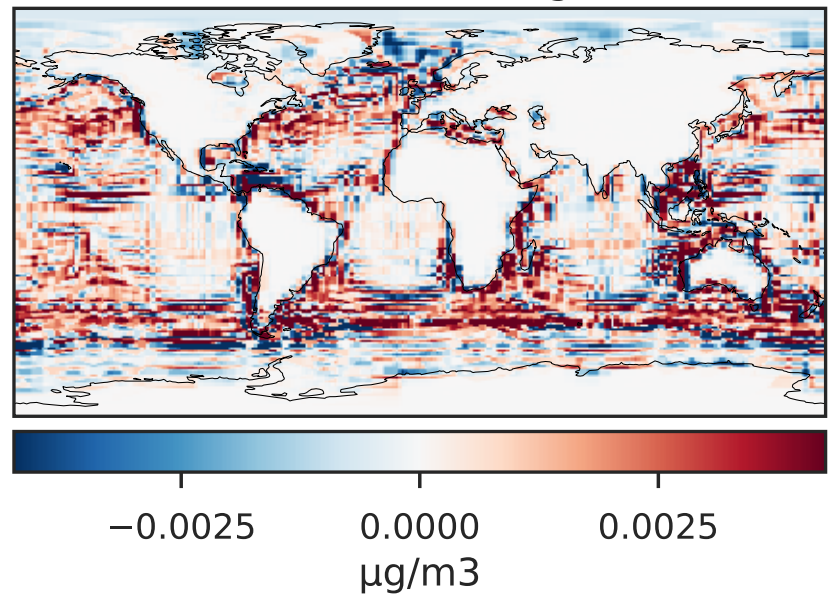
GCHP_14.2.0 (Dev)
c24



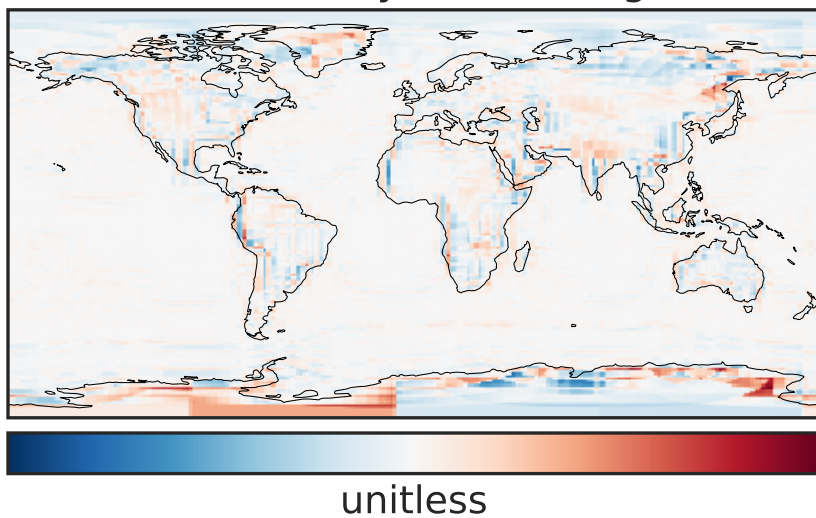
Difference (1x1.25)
Dev - Ref, Dynamic Range



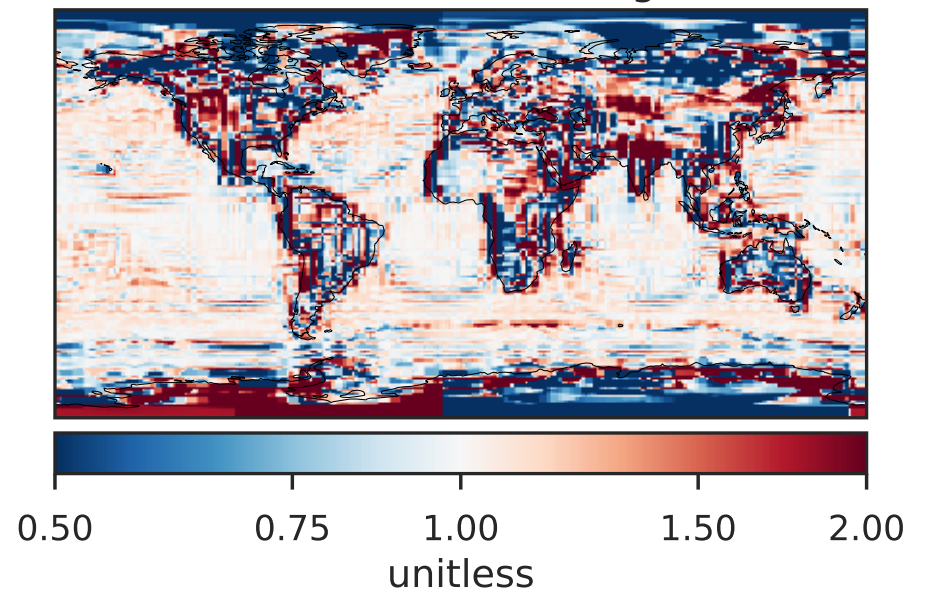
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

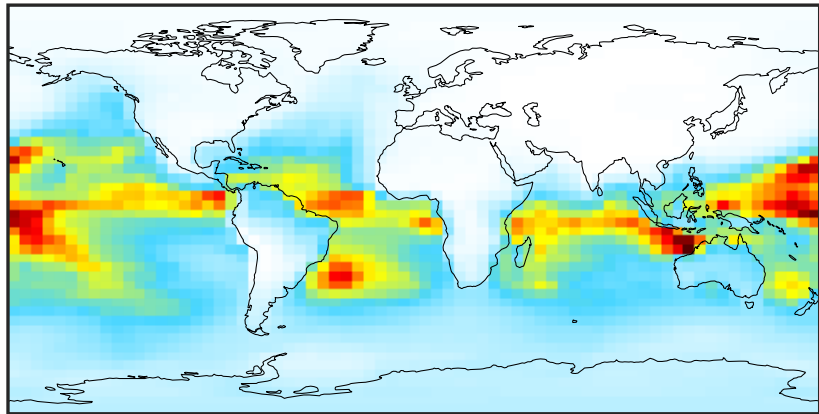


Ratio (1x1.25)
Dev/Ref, Fixed Range



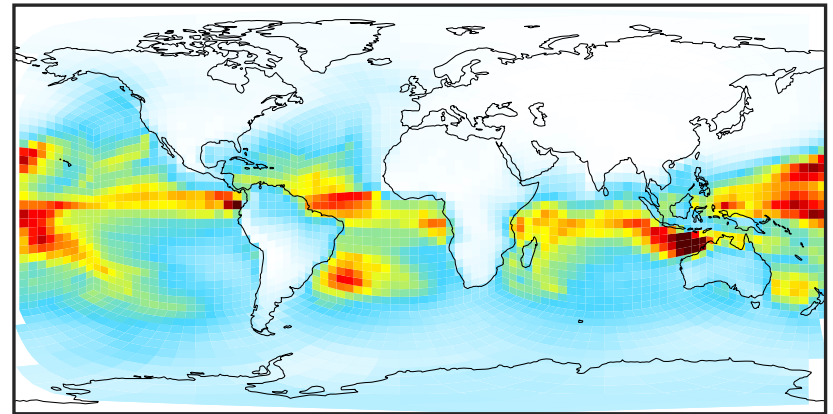
SpeciesConcVV_ISALA (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



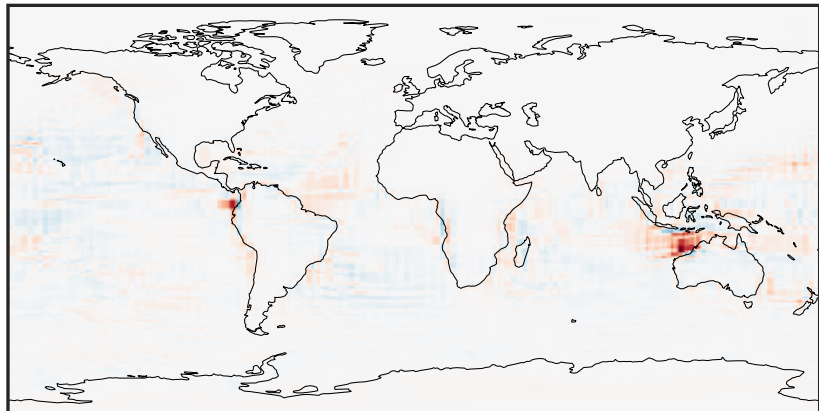
0.002 0.004 0.006
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



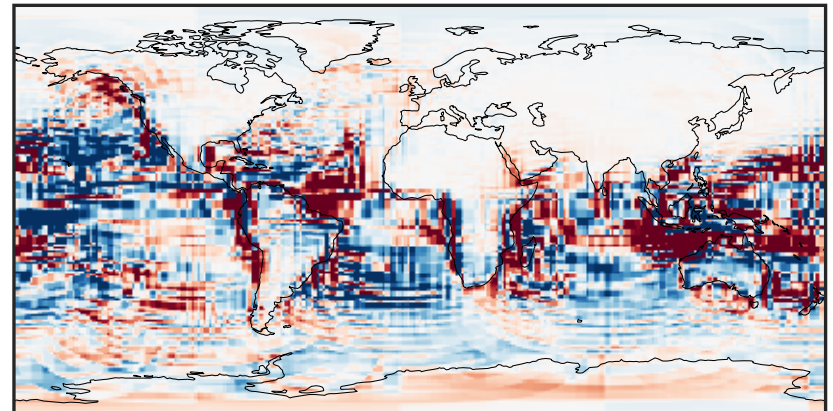
0.002 0.004 0.006
 $\mu\text{g}/\text{m}^3$

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



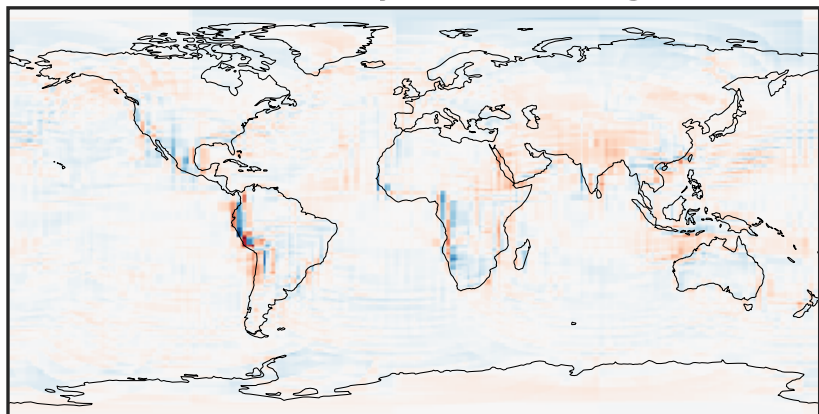
-0.0025 0.0000 0.0025
 $\mu\text{g}/\text{m}^3$

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



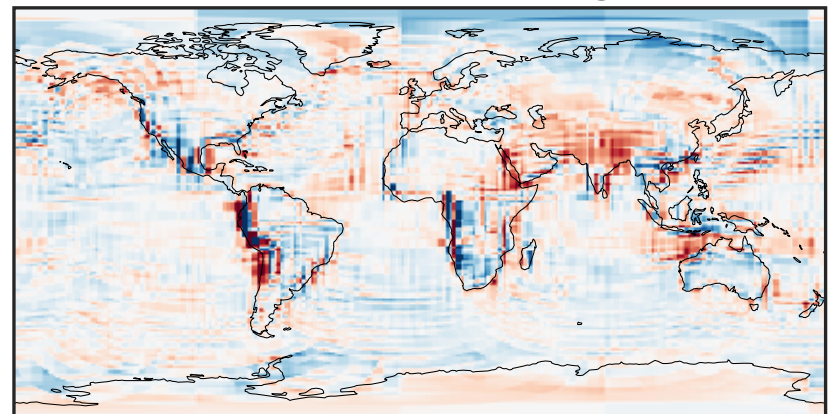
-0.00015 0.00000 0.00015
 $\mu\text{g}/\text{m}^3$

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



0.140 0.570 1.000 4.066 7.133
unitless

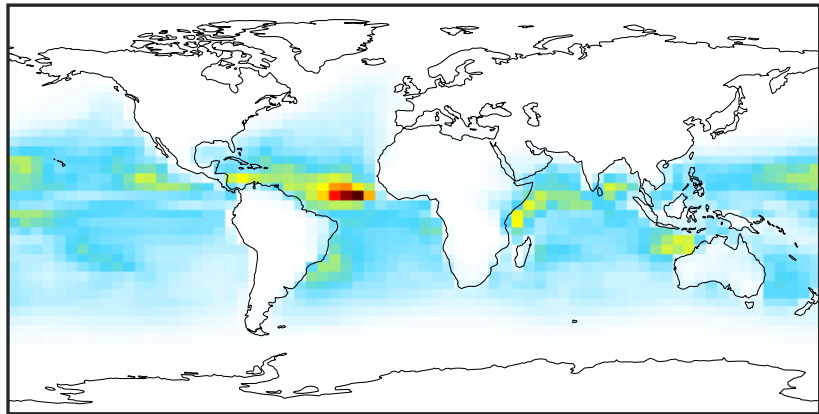
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

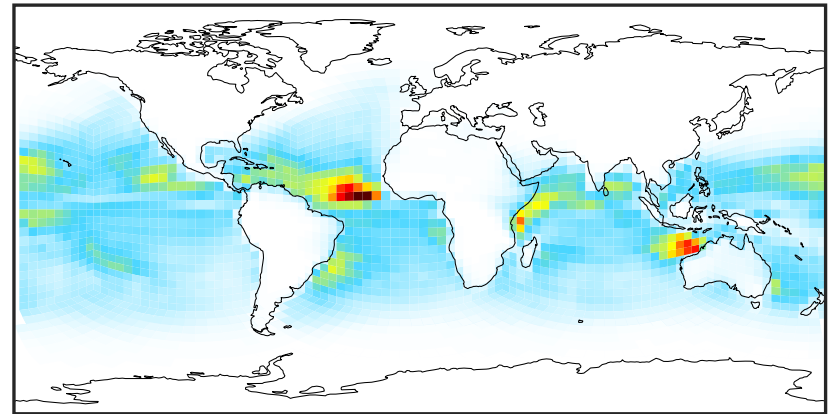
SpeciesConcVV_ISALC (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



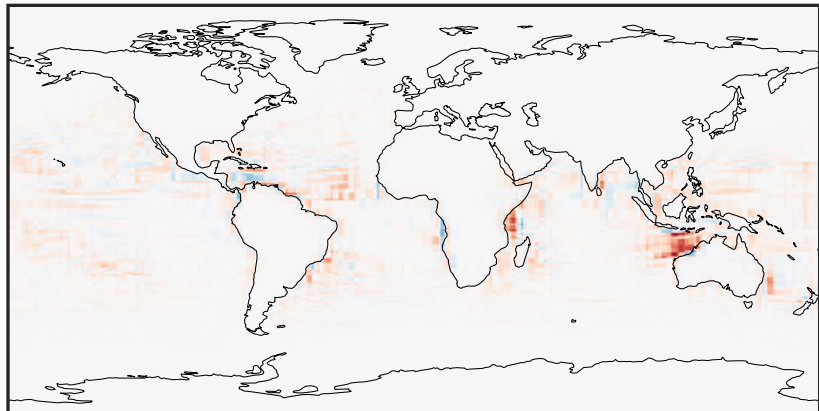
0.0025 0.0050 0.0075
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



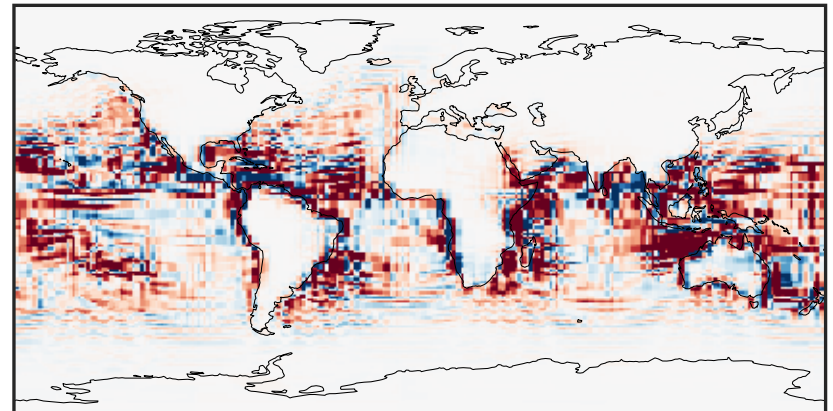
0.0025 0.0050 0.0075
 $\mu\text{g}/\text{m}^3$

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



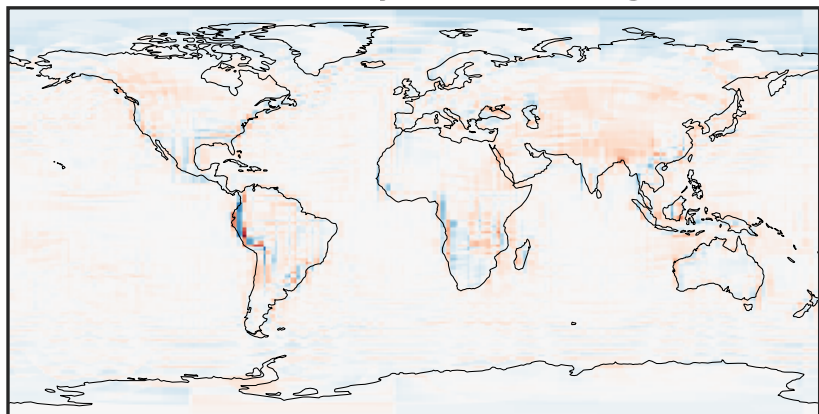
-0.002 0.000 0.002
 $\mu\text{g}/\text{m}^3$

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



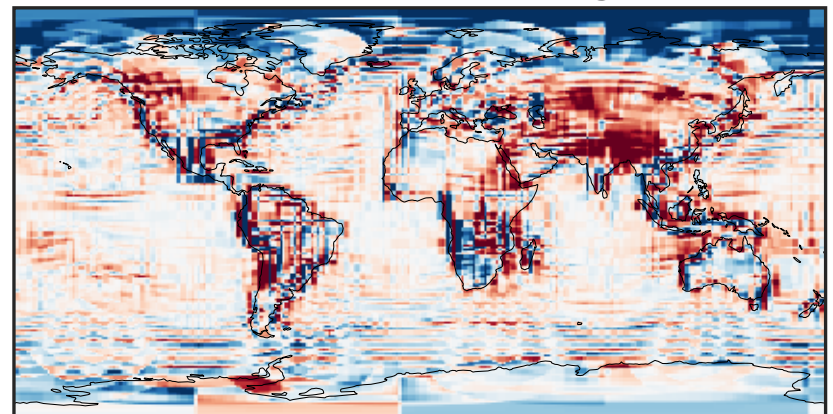
-0.00015 0.00000 0.00015
 $\mu\text{g}/\text{m}^3$

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



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

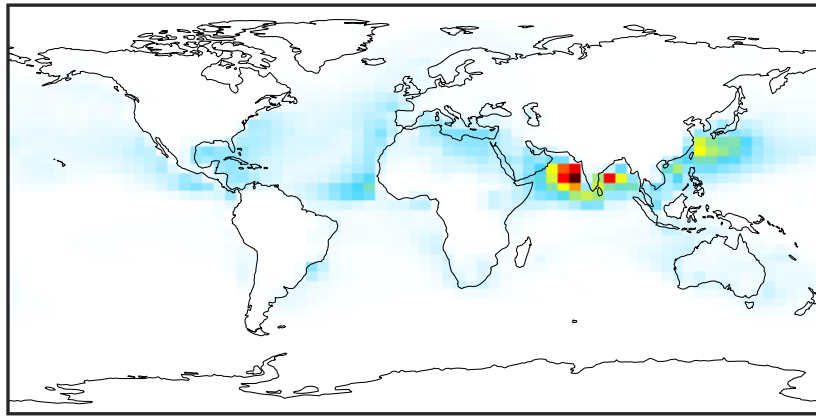
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

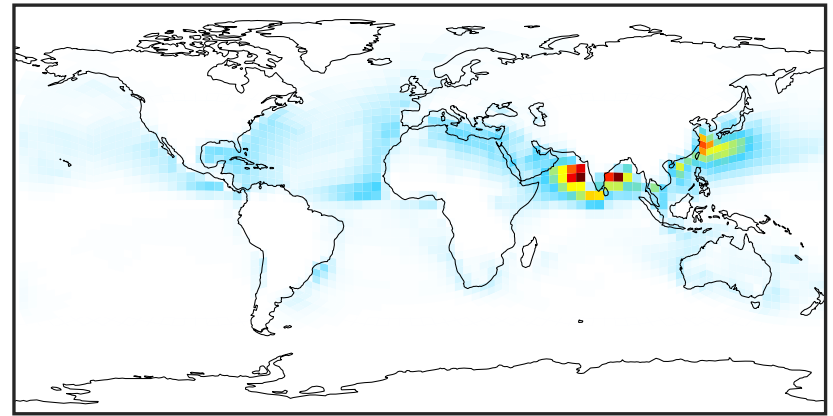
SpeciesConcVV_NITs (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



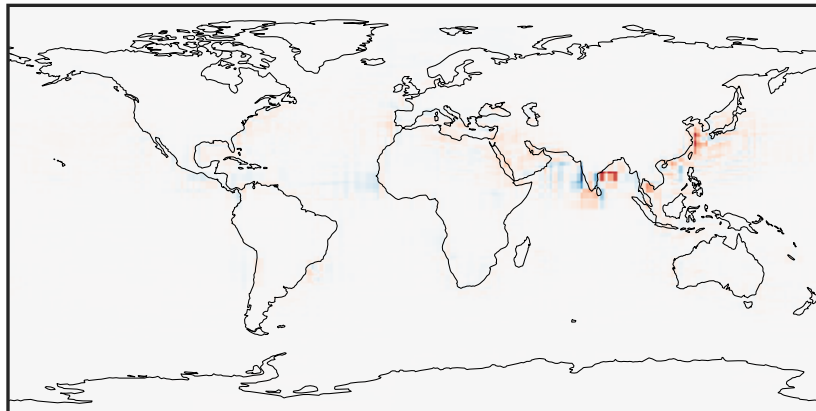
0.000 0.352 0.704 1.056 1.408
µg/m3

GCHP_14.2.0 (Dev)
c24



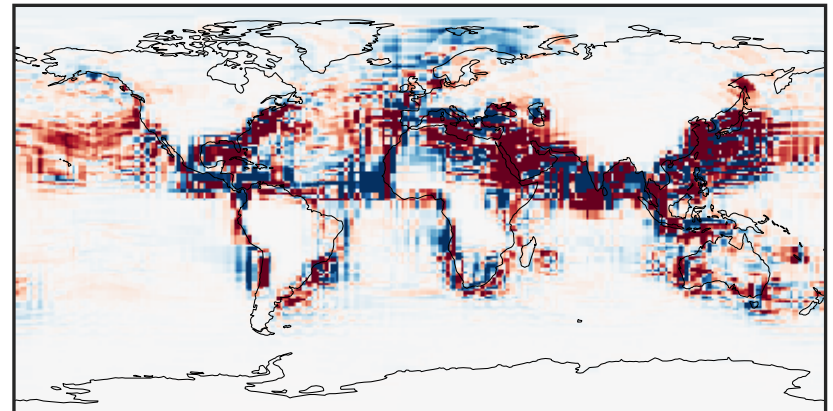
0.000 0.352 0.704 1.056 1.408
µg/m3

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



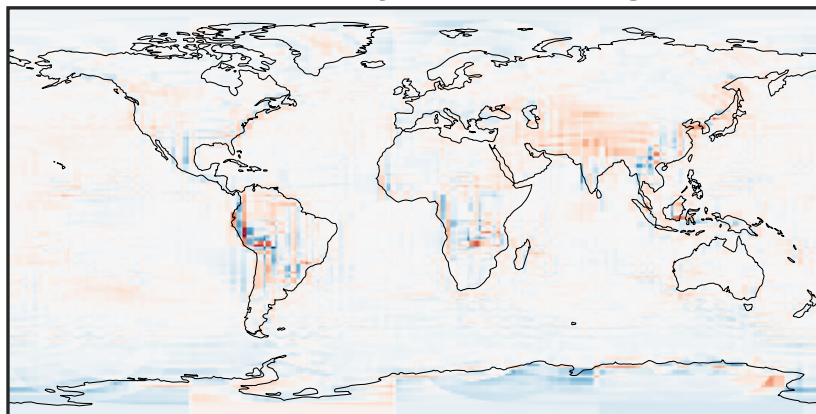
-0.713 -0.356 0.000 0.356 0.713
µg/m3

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



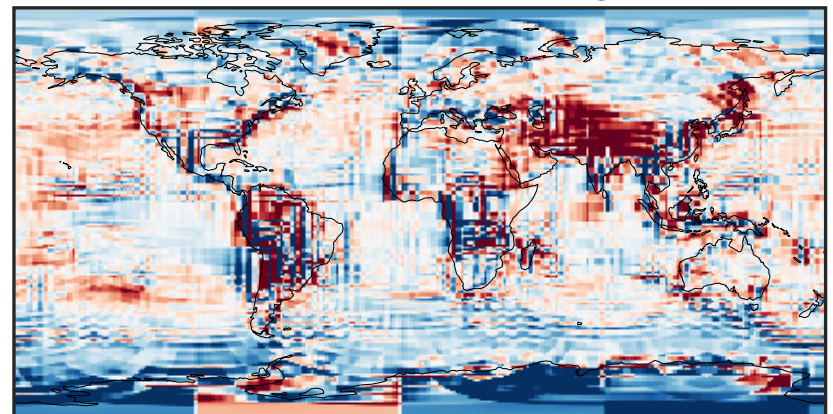
-0.01 0.00 0.01
µg/m3

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



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

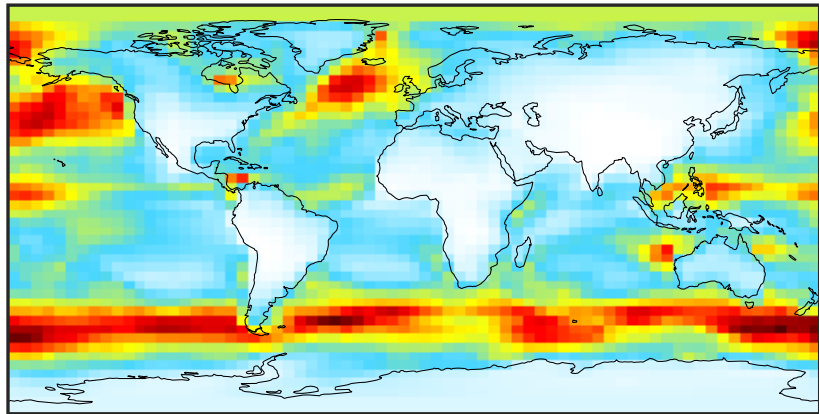
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

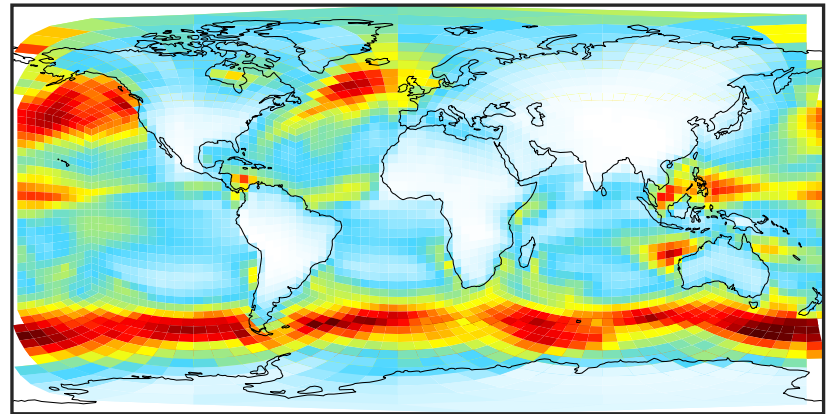
SpeciesConcVV_SALA (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



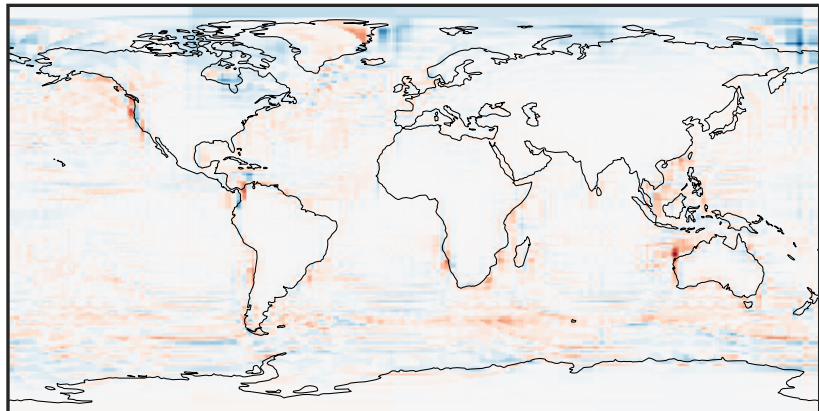
0.003 0.435 0.870 1.305 1.743
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



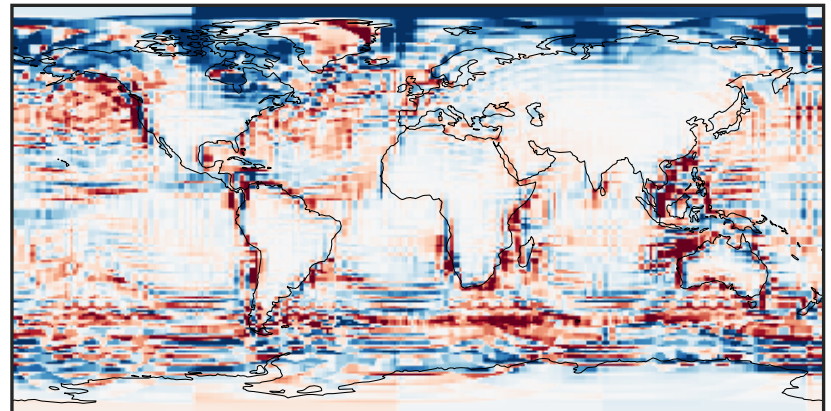
0.003 0.435 0.870 1.305 1.743
 $\mu\text{g}/\text{m}^3$

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



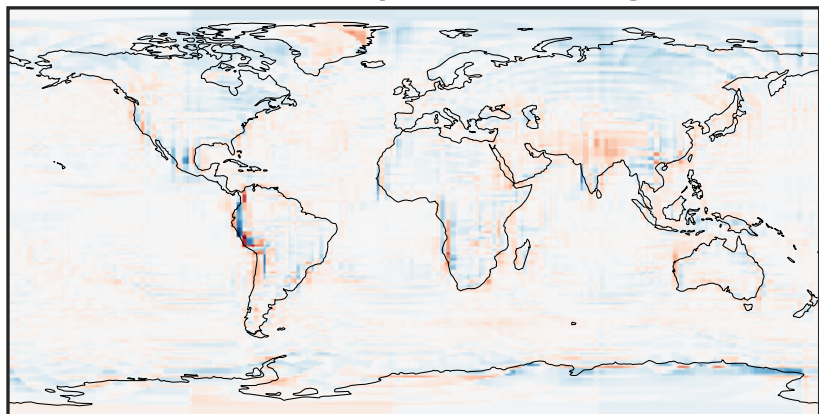
-0.842 -0.421 0.000 0.421 0.842
 $\mu\text{g}/\text{m}^3$

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



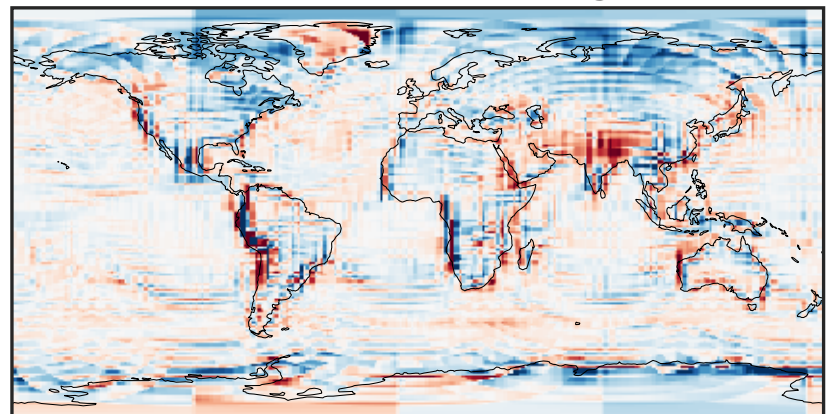
-0.1622 -0.0811 0.0000 0.0811 0.1622
 $\mu\text{g}/\text{m}^3$

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



0.112 0.556 1.000 4.961 8.923
unitless

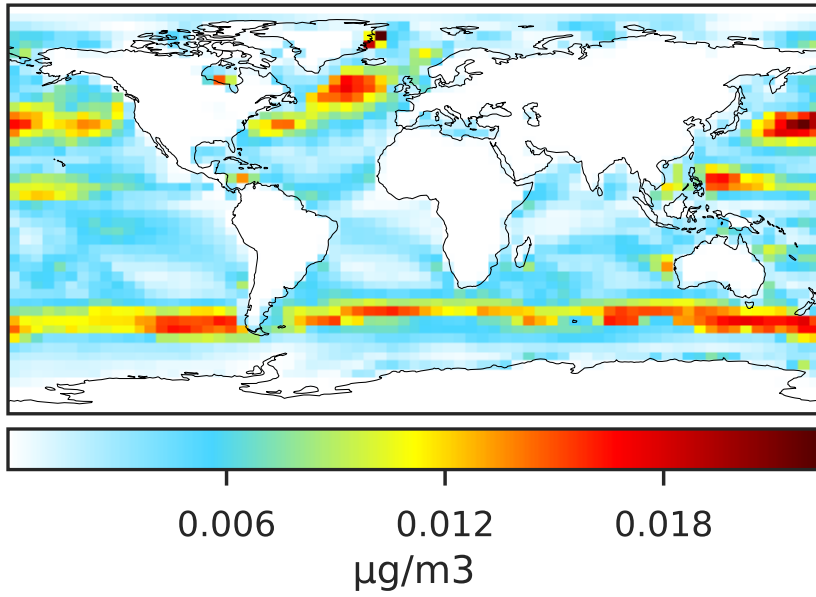
Ratio (1x1.25)
Dev/Ref, Fixed Range



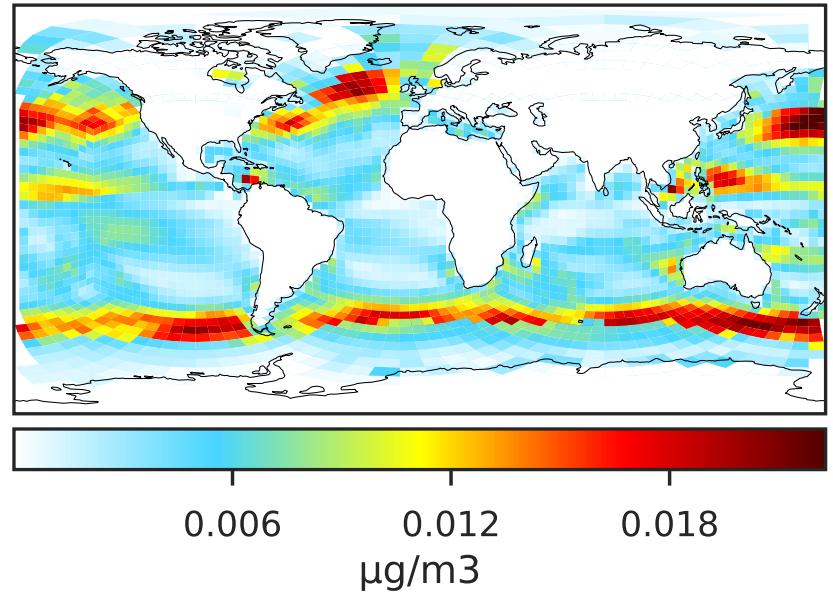
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SALAAL (Jan2019)

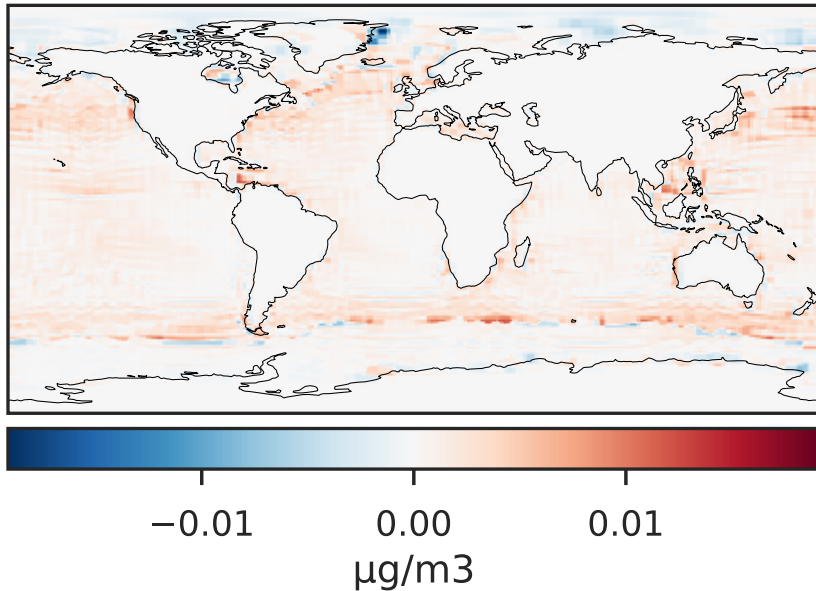
GCC_14.2.0 (Ref)
4.0x5.0



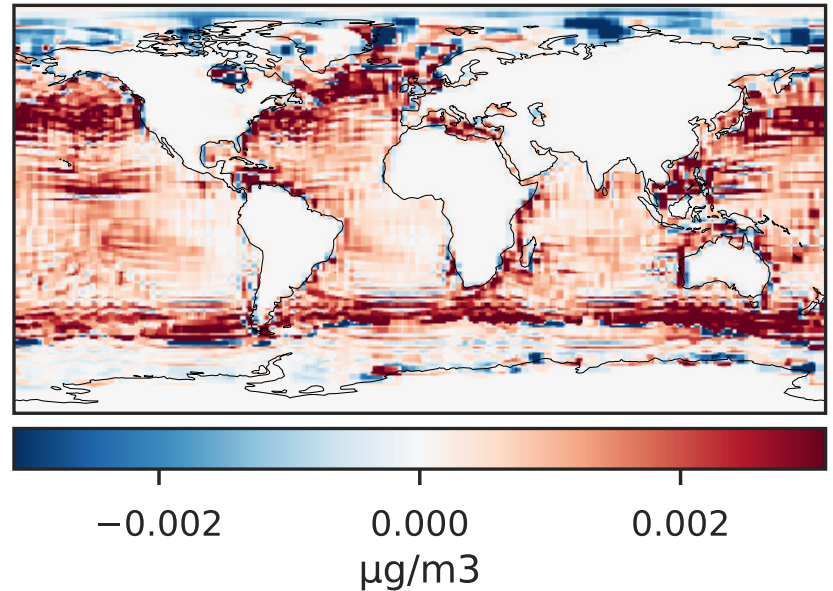
GCHP_14.2.0 (Dev)
c24



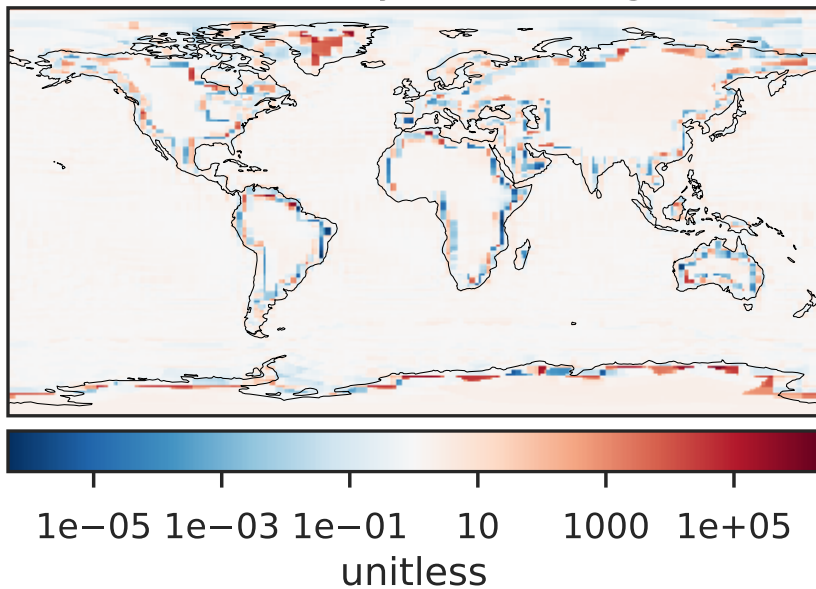
Difference (1x1.25)
Dev - Ref, Dynamic Range



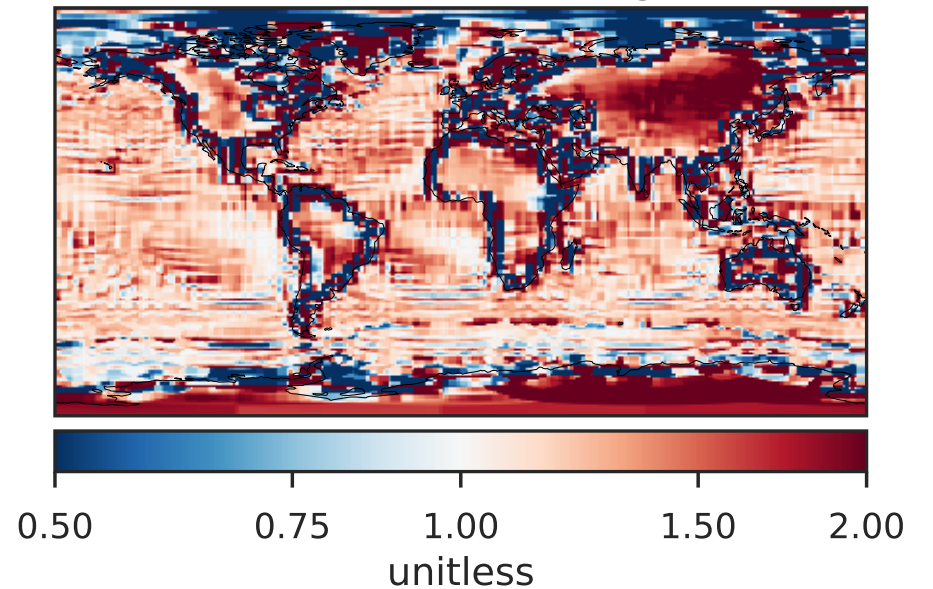
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

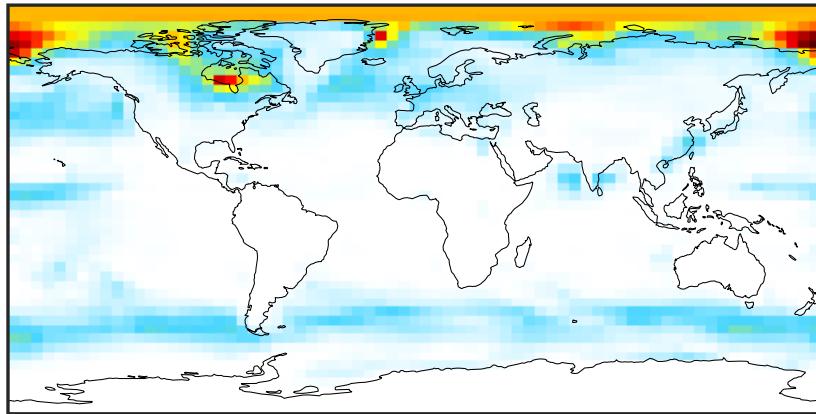


Ratio (1x1.25)
Dev/Ref, Fixed Range



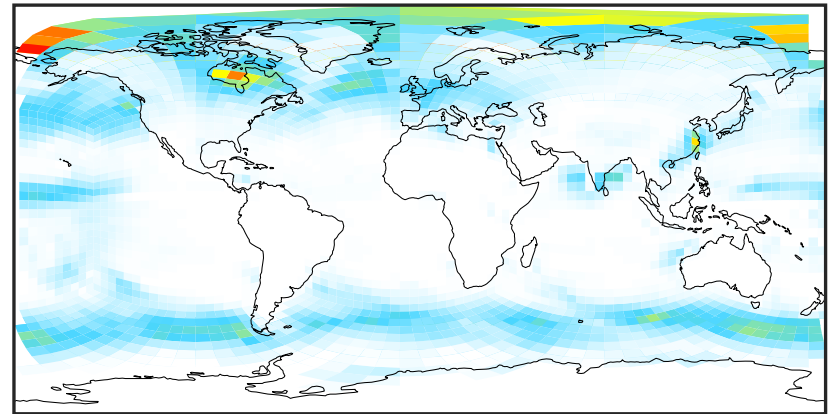
SpeciesConcVV_SALACL (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



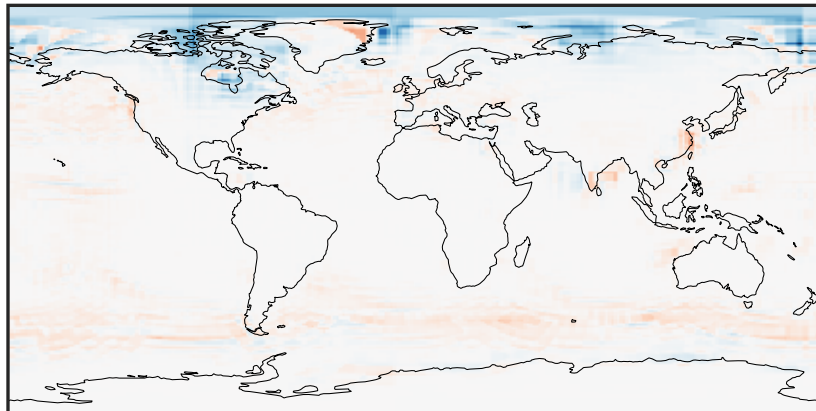
0.0000 0.2008 0.4017 0.6025 0.8034
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



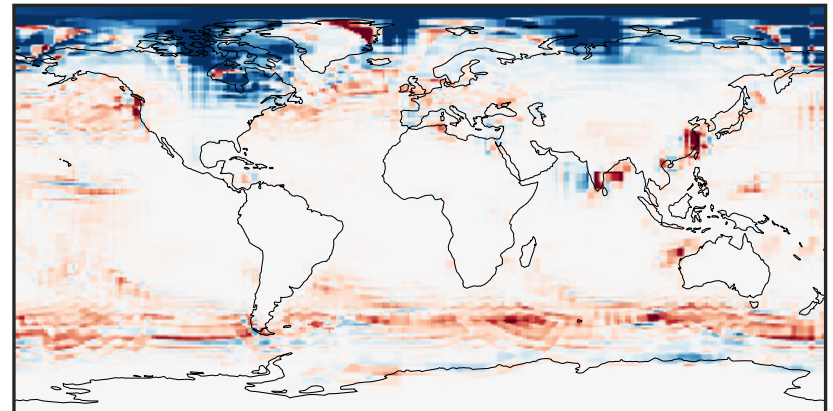
0.0000 0.2008 0.4017 0.6025 0.8034
 $\mu\text{g}/\text{m}^3$

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



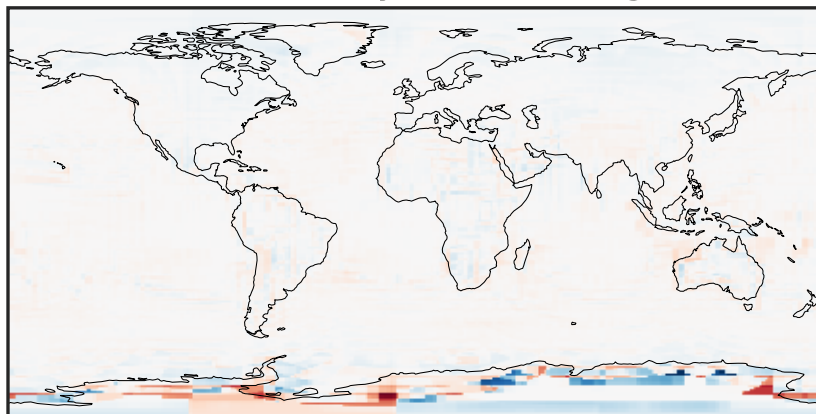
-0.505 -0.252 0.000 0.252 0.505
 $\mu\text{g}/\text{m}^3$

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



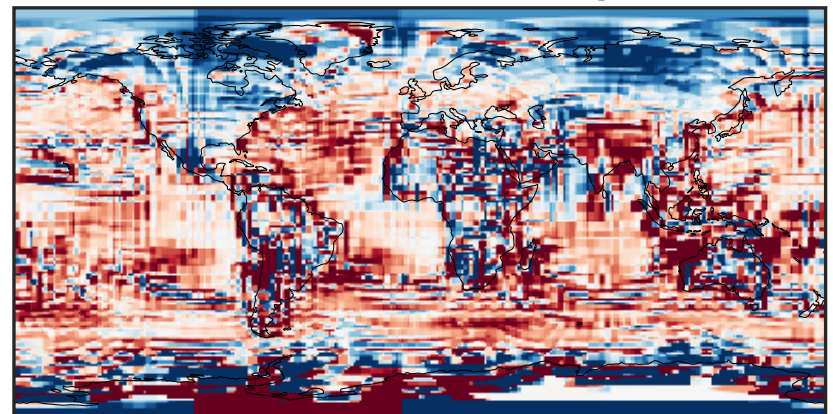
-0.1138 -0.0569 0.0000 0.0569 0.1138
 $\mu\text{g}/\text{m}^3$

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



1e-07 1e-04 1e-01 100 1e+05 1e+08
unitless

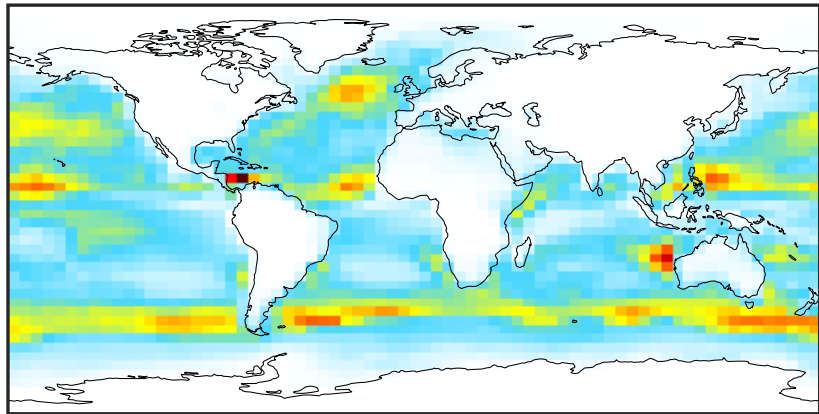
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

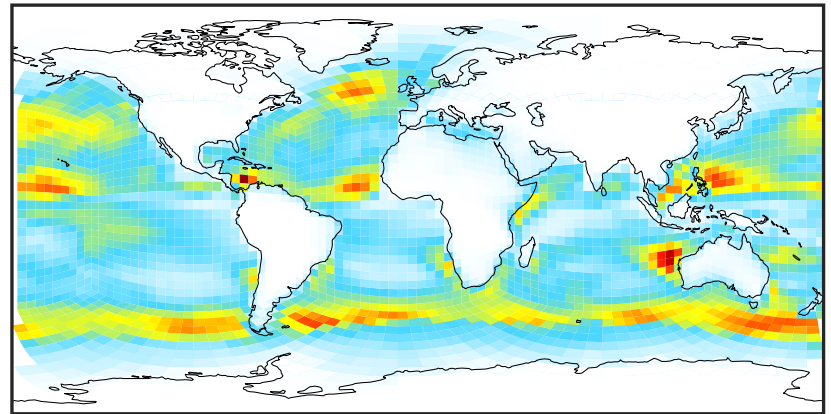
SpeciesConcVV_SALC (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



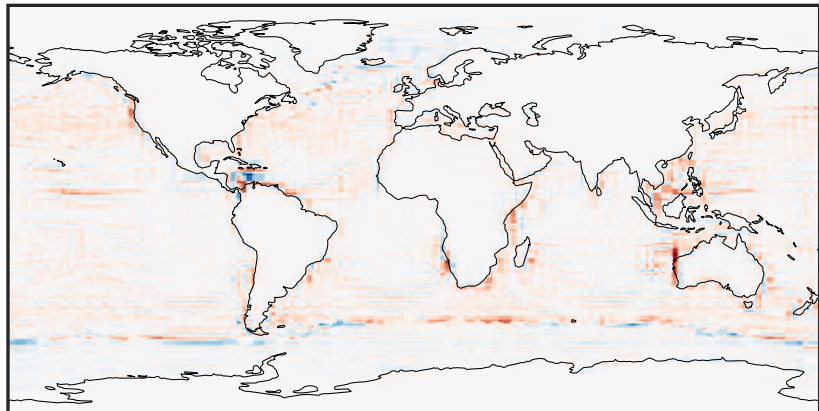
0.00 9.11 18.21 27.32 36.43
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



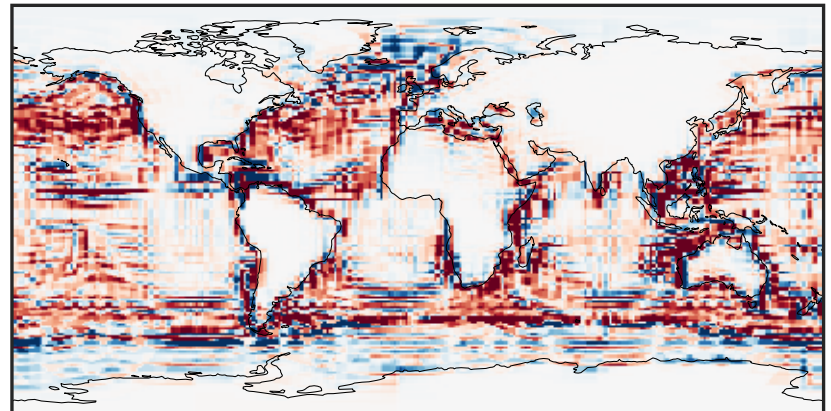
0.00 9.11 18.21 27.32 36.43
 $\mu\text{g}/\text{m}^3$

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



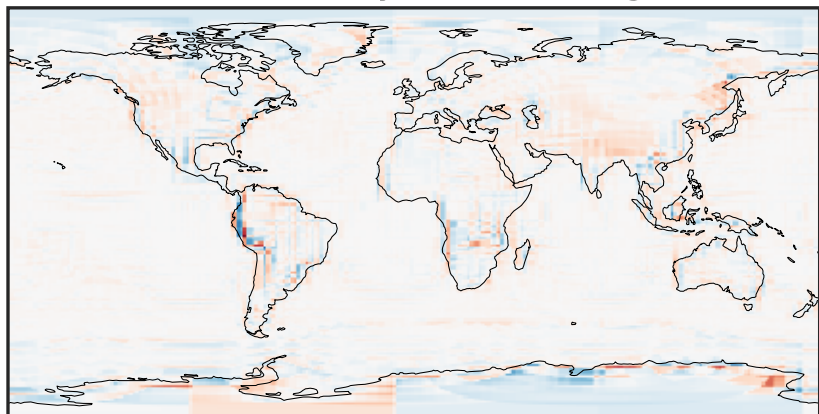
-16.91 -8.45 0.00 8.45 16.91
 $\mu\text{g}/\text{m}^3$

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



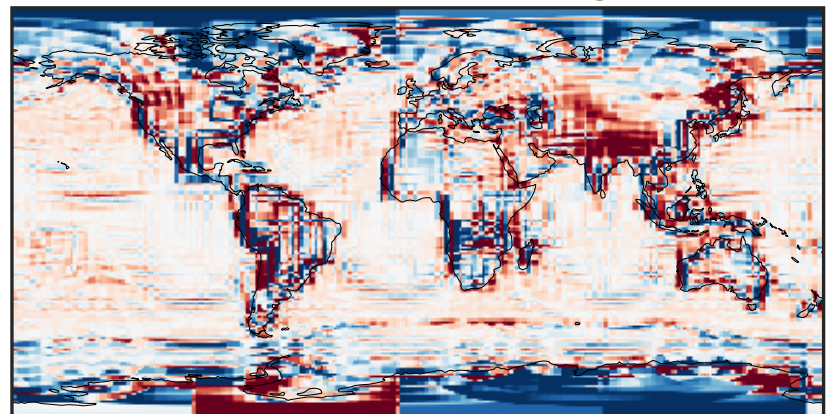
-2.131 -1.066 0.000 1.066 2.131
 $\mu\text{g}/\text{m}^3$

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



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

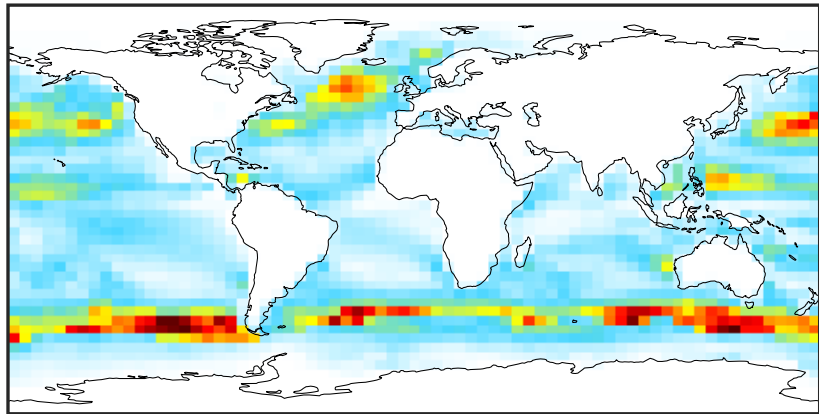
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

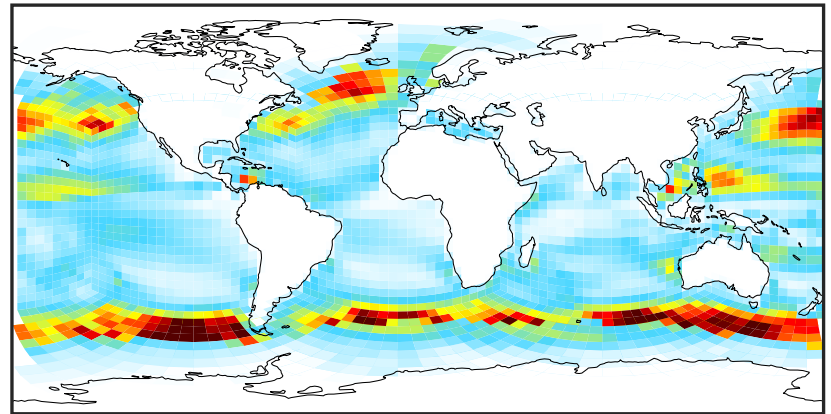
SpeciesConcVV_SALCAL (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



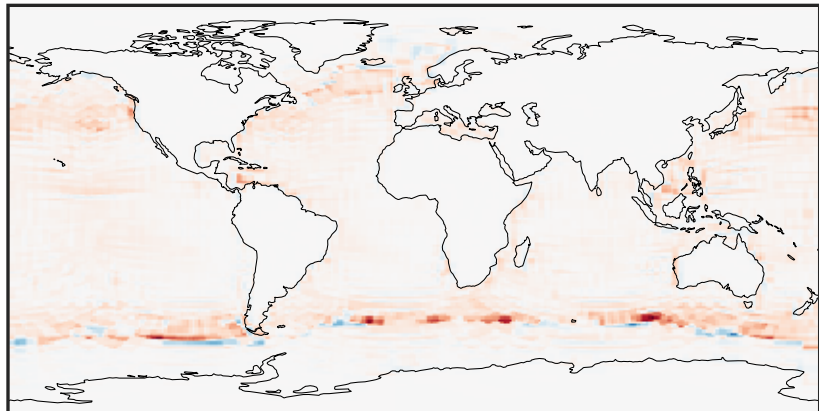
0.000 0.421 0.842 1.263 1.683
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



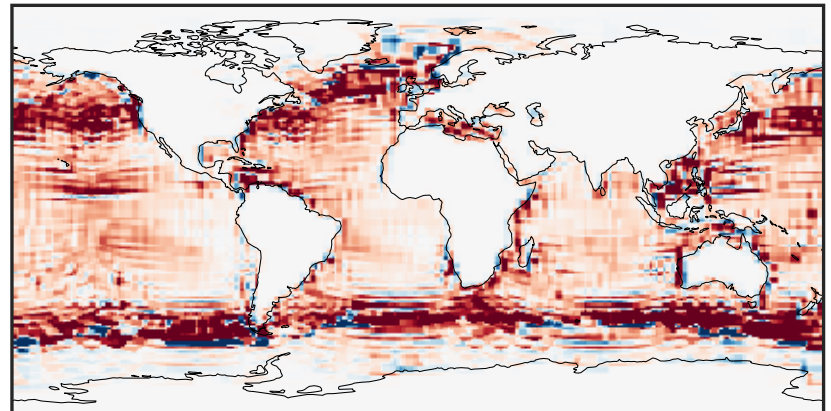
0.000 0.421 0.842 1.263 1.683
 $\mu\text{g}/\text{m}^3$

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



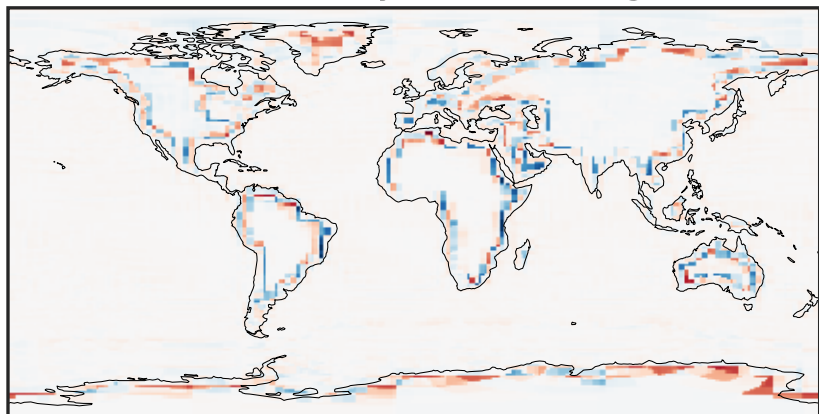
-1.62 -0.81 0.00 0.81 1.62
 $\mu\text{g}/\text{m}^3$

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



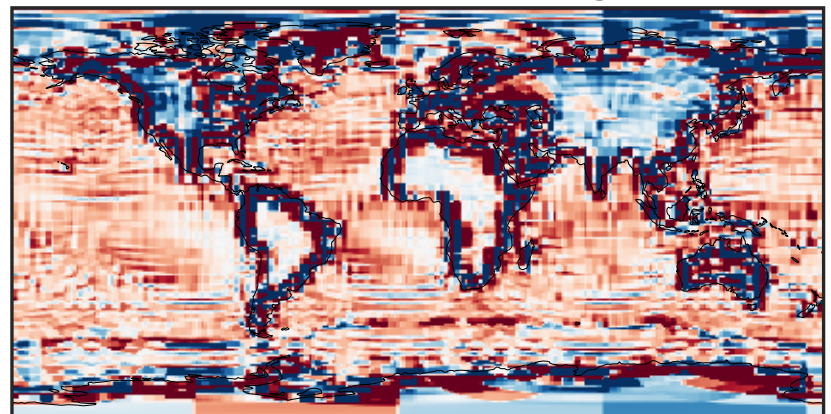
-0.2108 -0.1054 0.0000 0.1054 0.2108
 $\mu\text{g}/\text{m}^3$

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



1e-06 1e-03 1 1000 1e+06
unitless

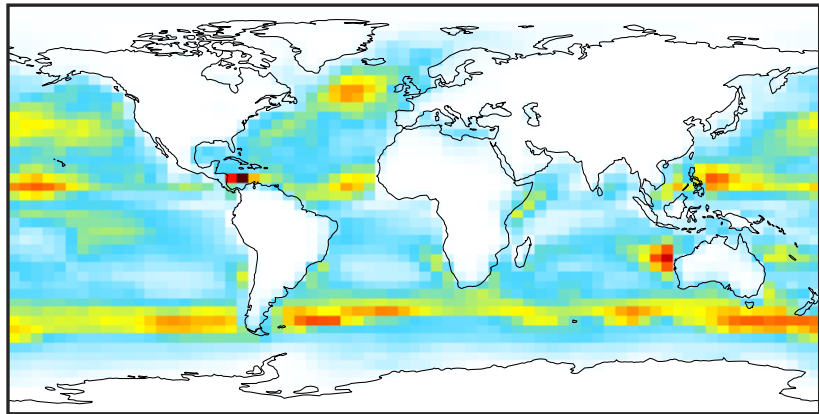
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

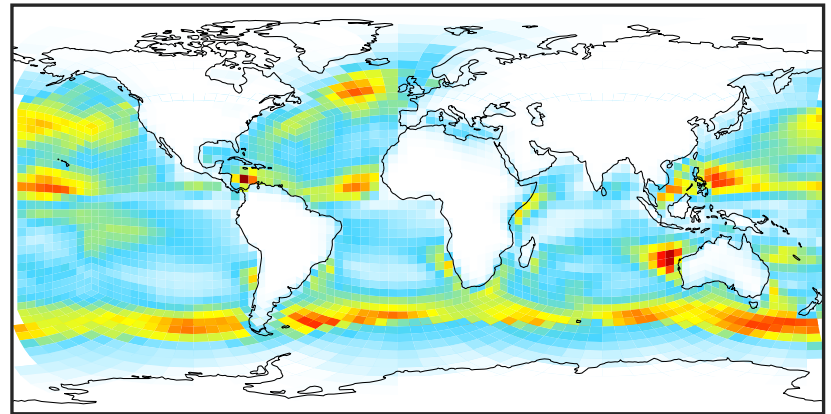
SpeciesConcVV_SALCCL (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



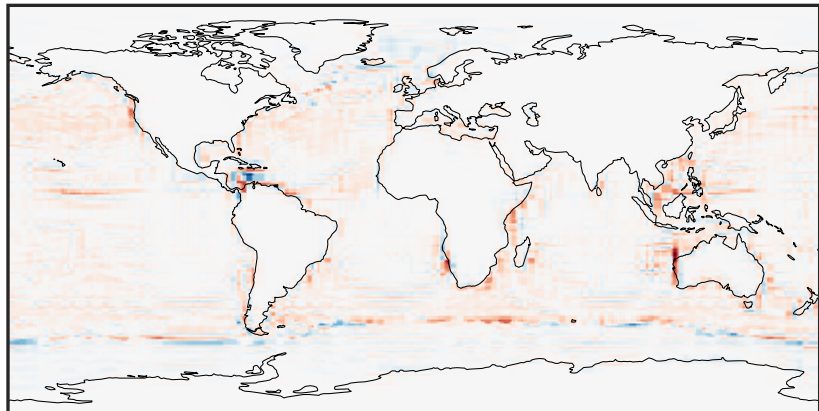
0.00 4.89 9.78 14.67 19.55
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



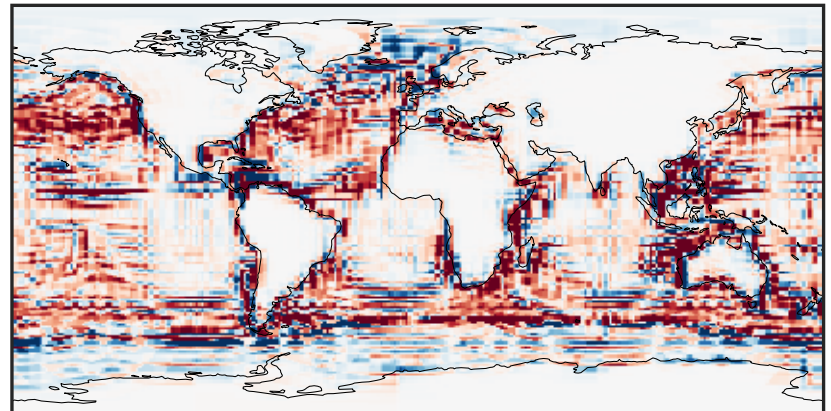
0.00 4.89 9.78 14.67 19.55
 $\mu\text{g}/\text{m}^3$

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



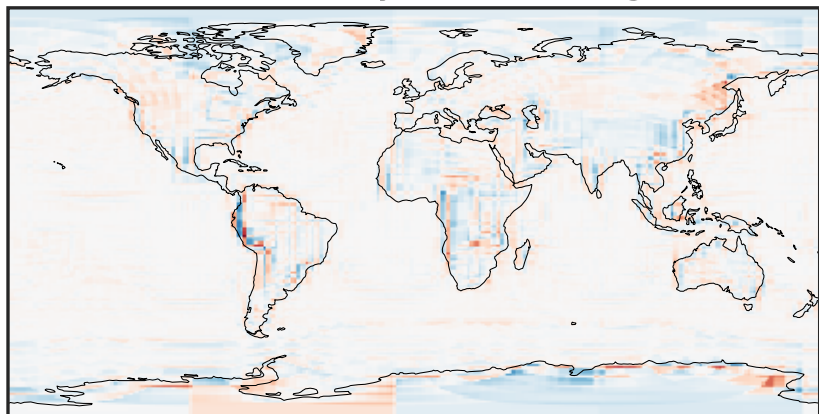
-9.17 -4.59 0.00 4.59 9.17
 $\mu\text{g}/\text{m}^3$

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



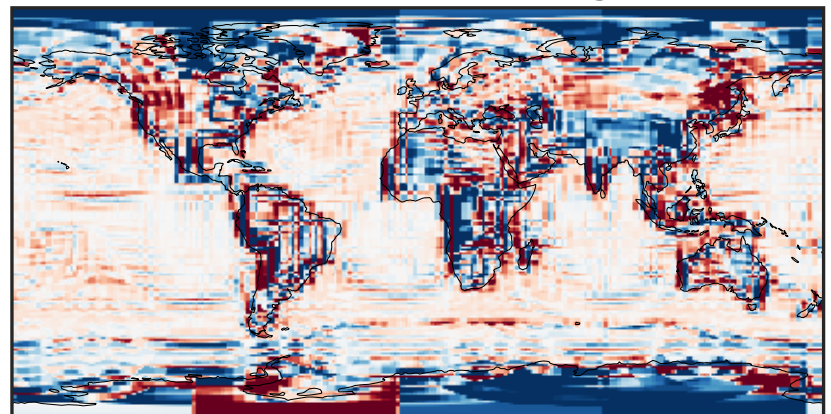
-1.163 -0.582 0.000 0.582 1.163
 $\mu\text{g}/\text{m}^3$

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



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

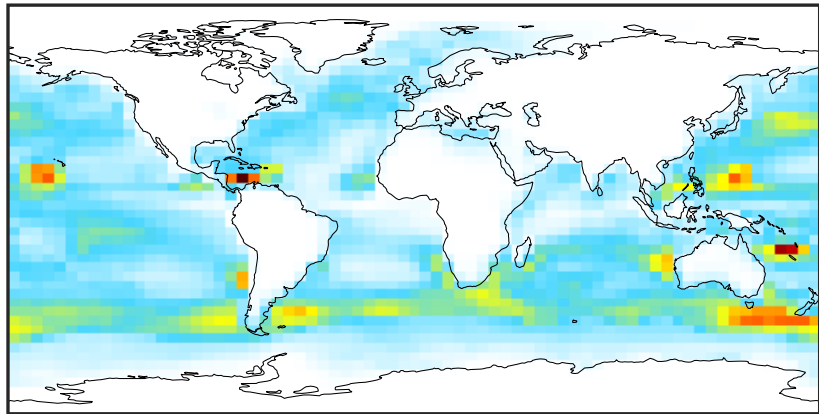
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

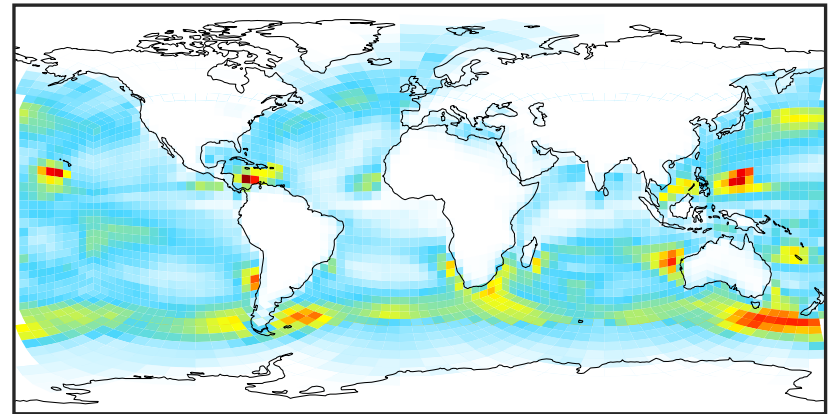
SpeciesConcVV_SO4s (Jan2019)

GCC_14.2.0 (Ref)
4.0x5.0



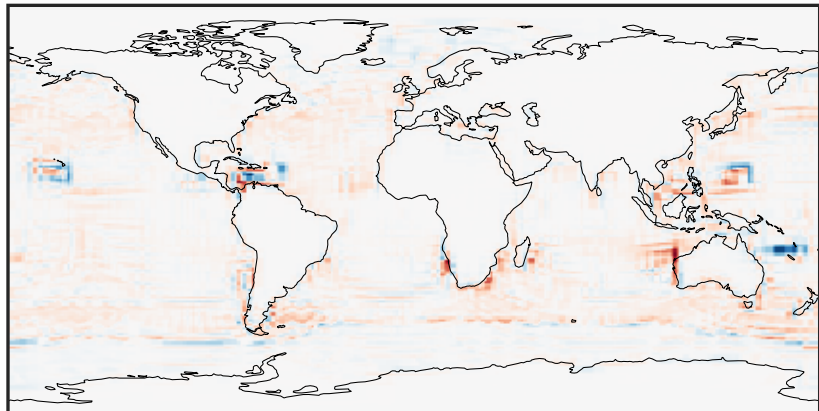
0.004 0.008 0.012
 $\mu\text{g}/\text{m}^3$

GCHP_14.2.0 (Dev)
c24



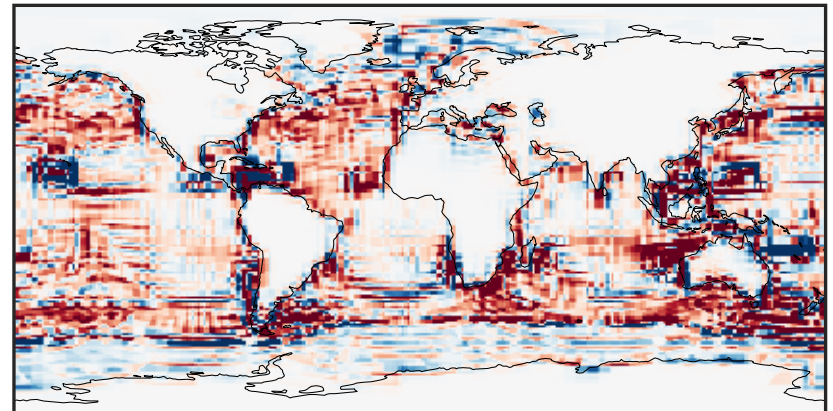
0.004 0.008 0.012
 $\mu\text{g}/\text{m}^3$

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



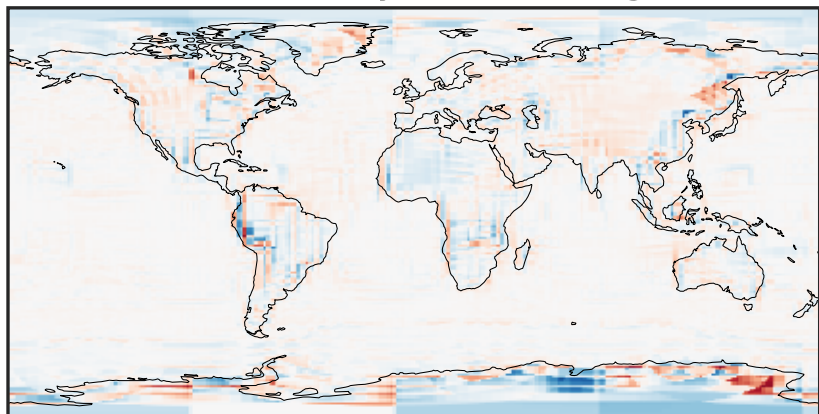
-0.003 0.000 0.003
 $\mu\text{g}/\text{m}^3$

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



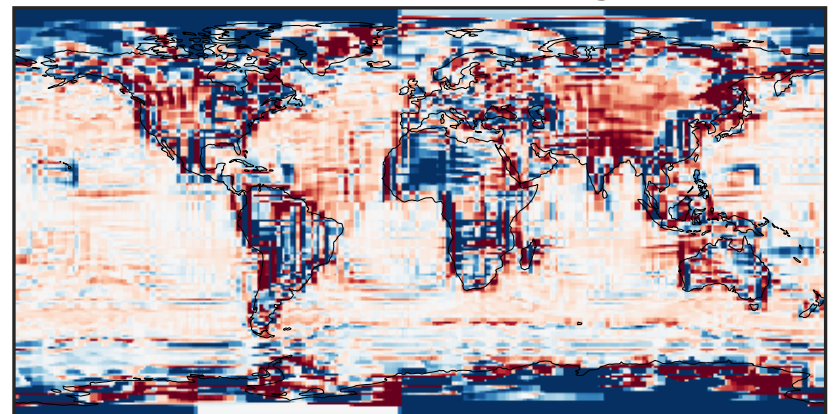
-0.0004 0.0000 0.0004
 $\mu\text{g}/\text{m}^3$

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



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

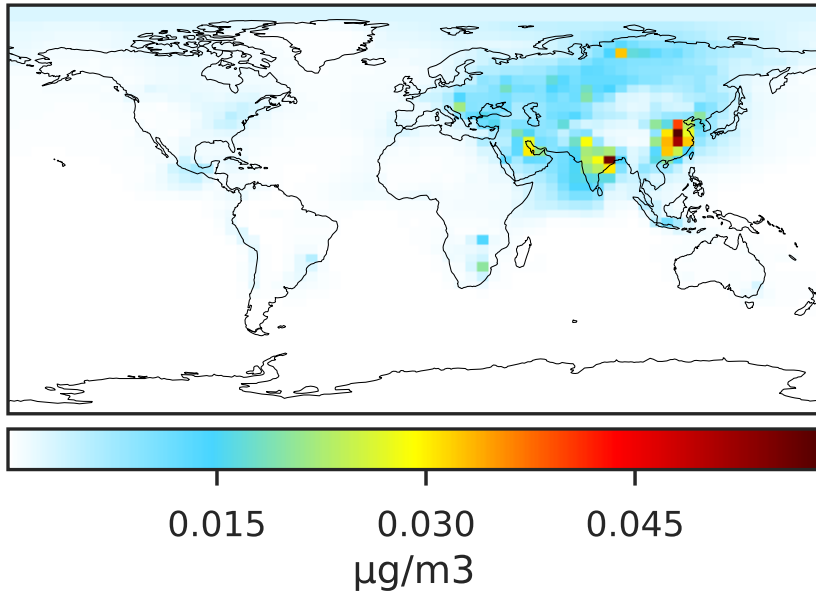
Ratio (1x1.25)
Dev/Ref, Fixed Range



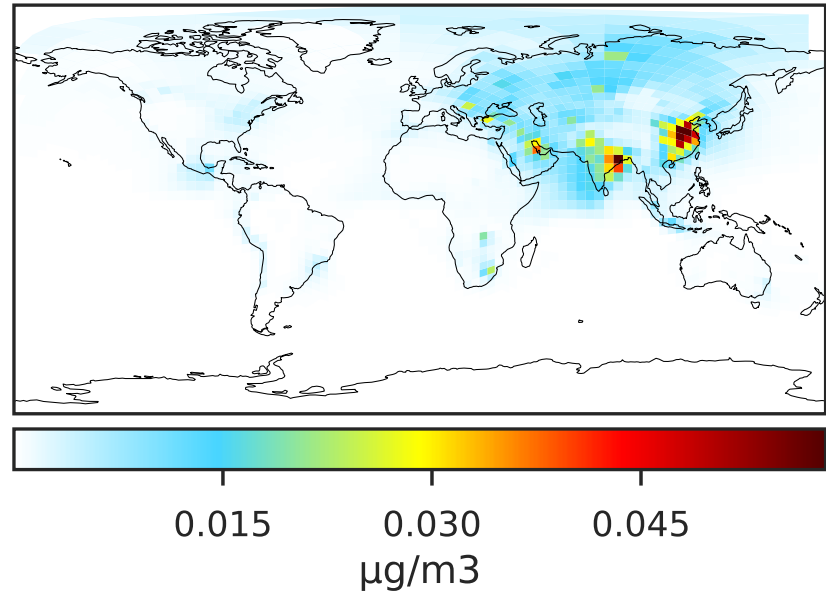
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_pFe (Jan2019)

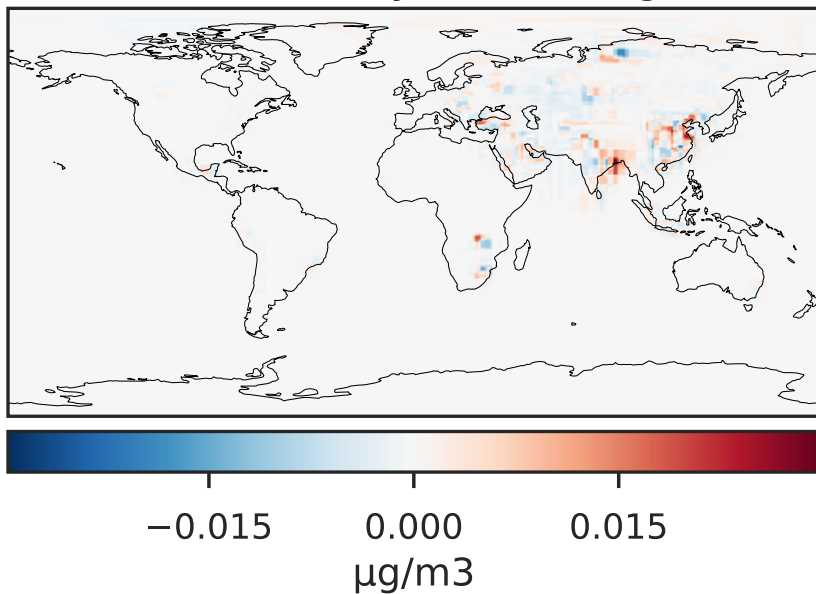
GCC_14.2.0 (Ref)
4.0x5.0



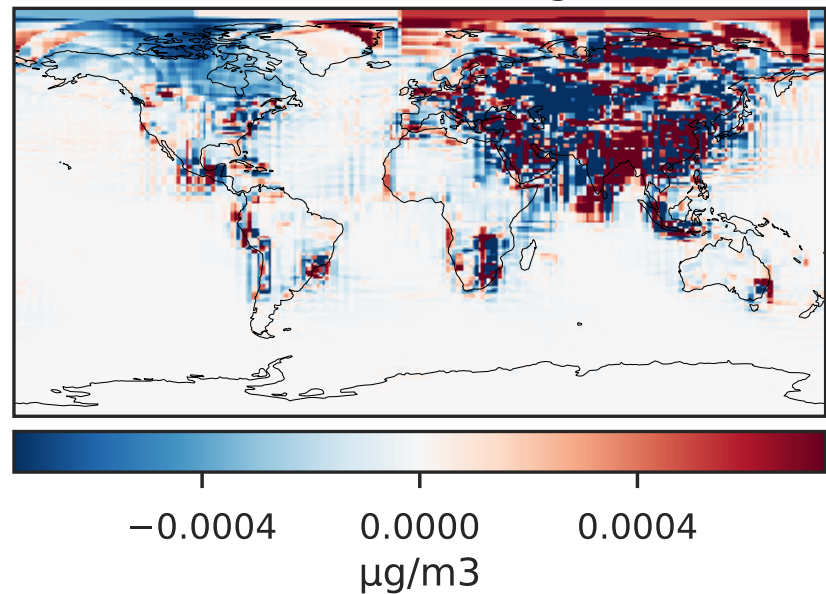
GCHP_14.2.0 (Dev)
c24



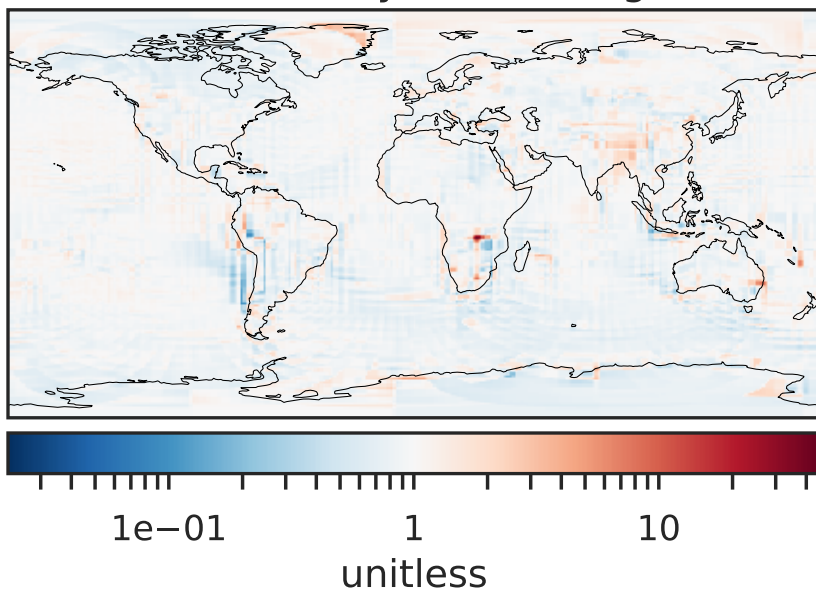
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

