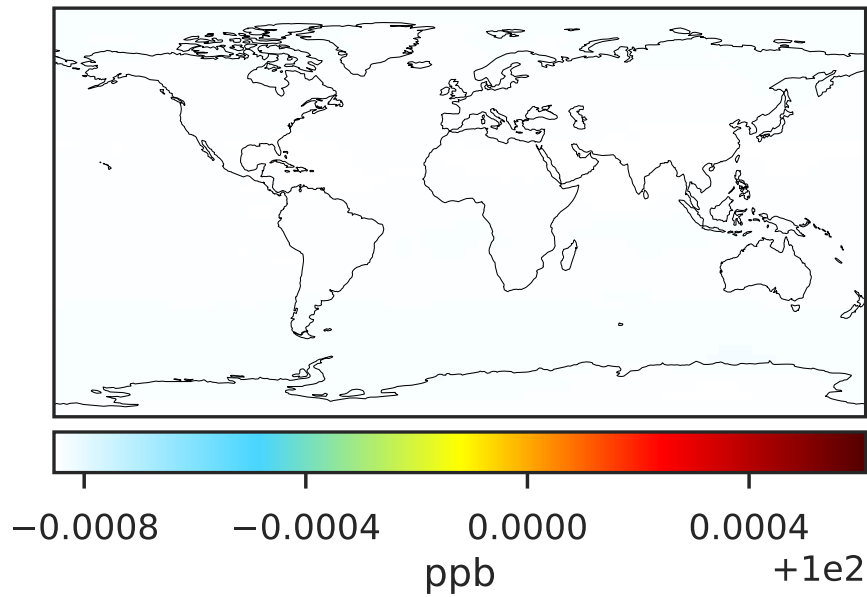
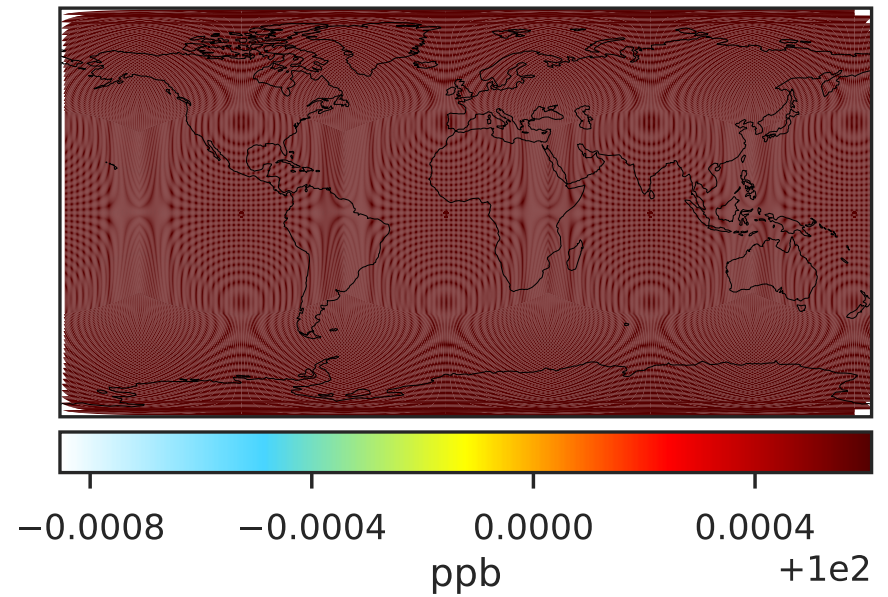


SpeciesConcVV_PassiveTracer (Jan2019)

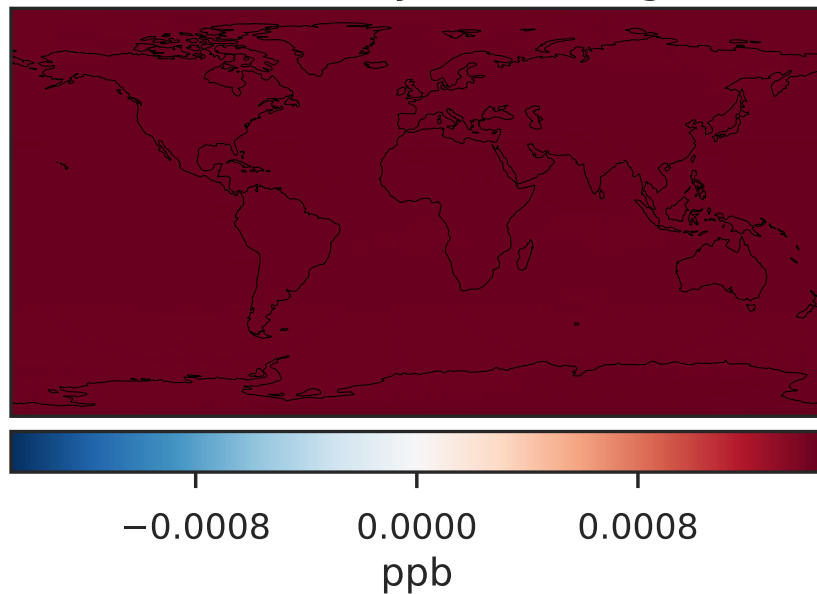
GCC 14.2.2 (Ref)
4.0x5.0



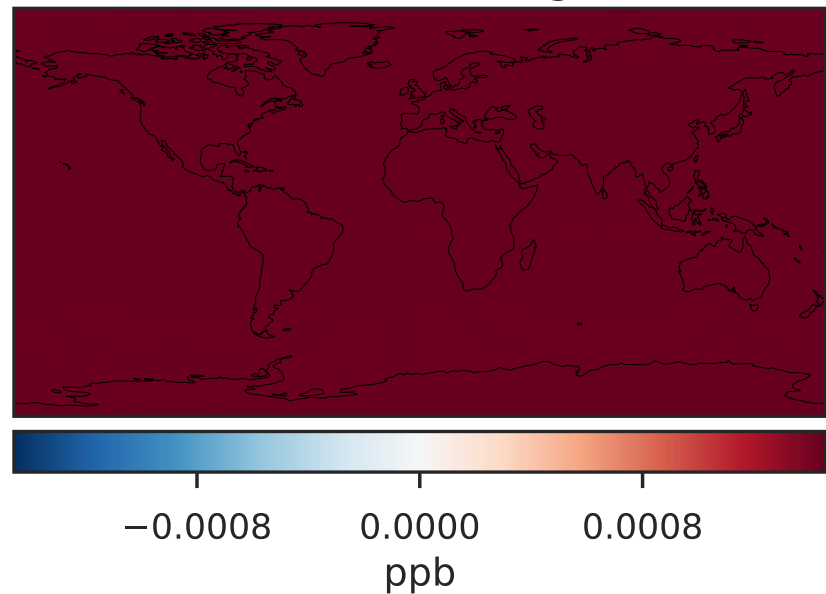
GCHP 14.2.2 using mass flux (Dev)
c180



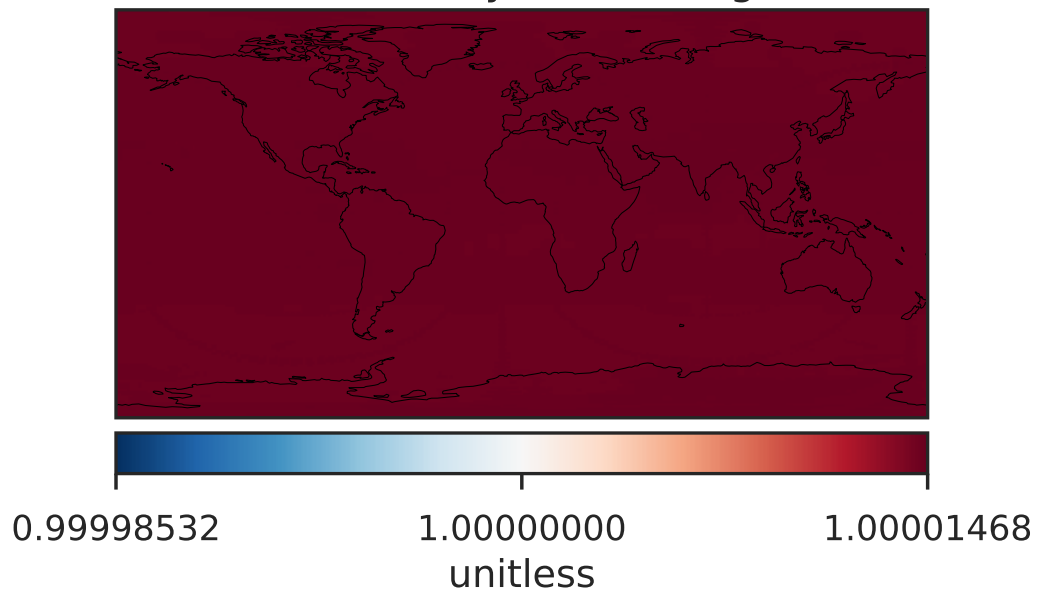
Difference (1x1.25)
Dev - Ref, Dynamic Range



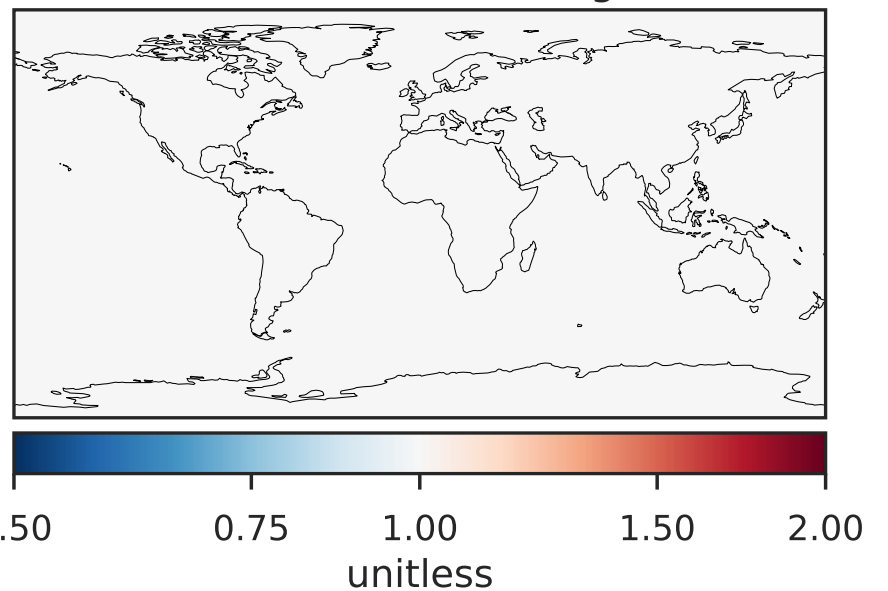
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

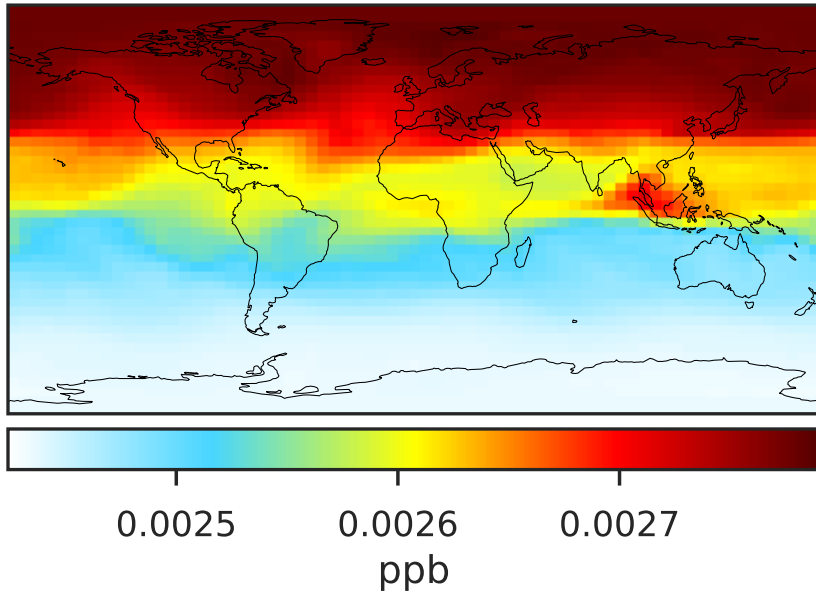


Ratio (1x1.25)
Dev/Ref, Fixed Range

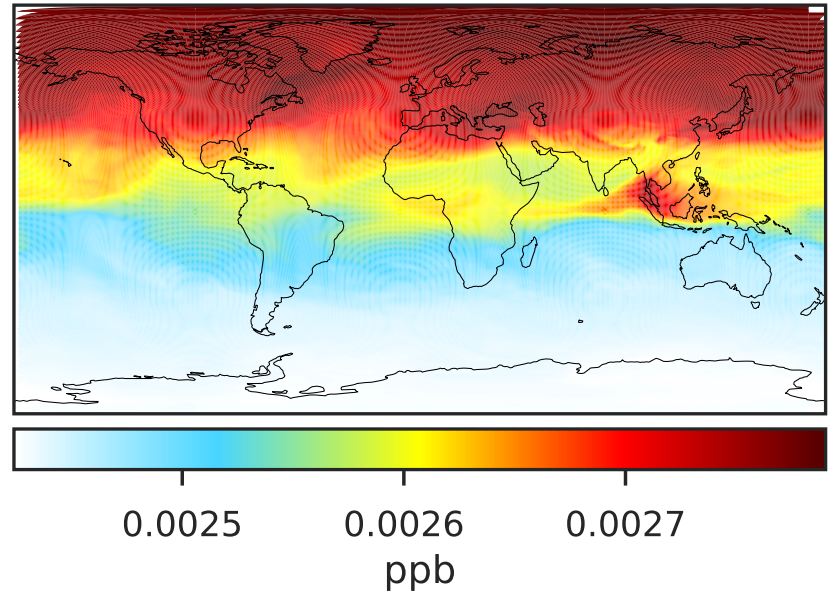


SpeciesConcVV_SF6 (Jan2019)

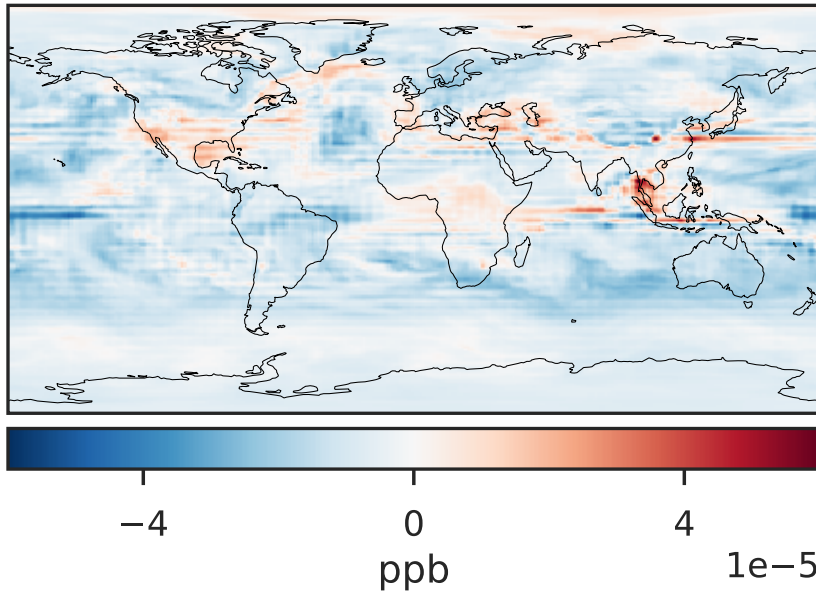
GCC 14.2.2 (Ref)
4.0x5.0



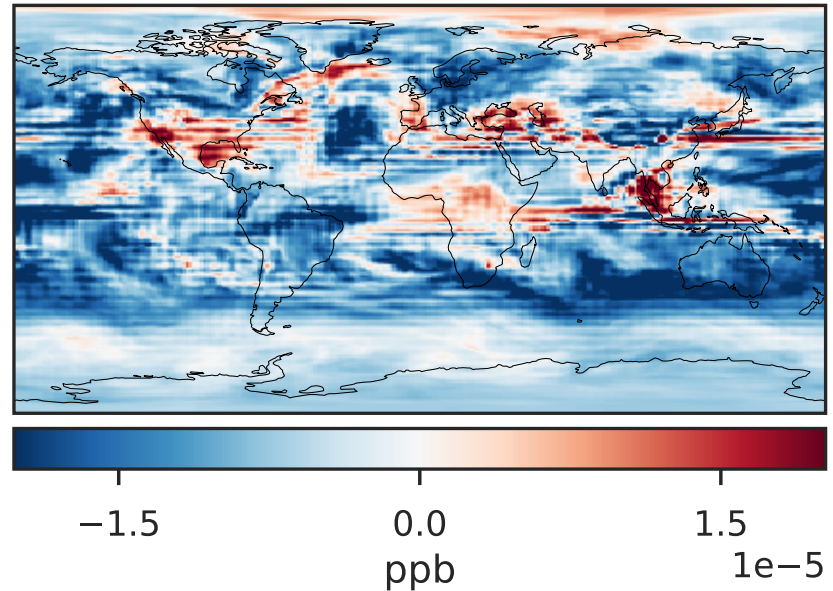
GCHP 14.2.2 using mass flux (Dev)
c180



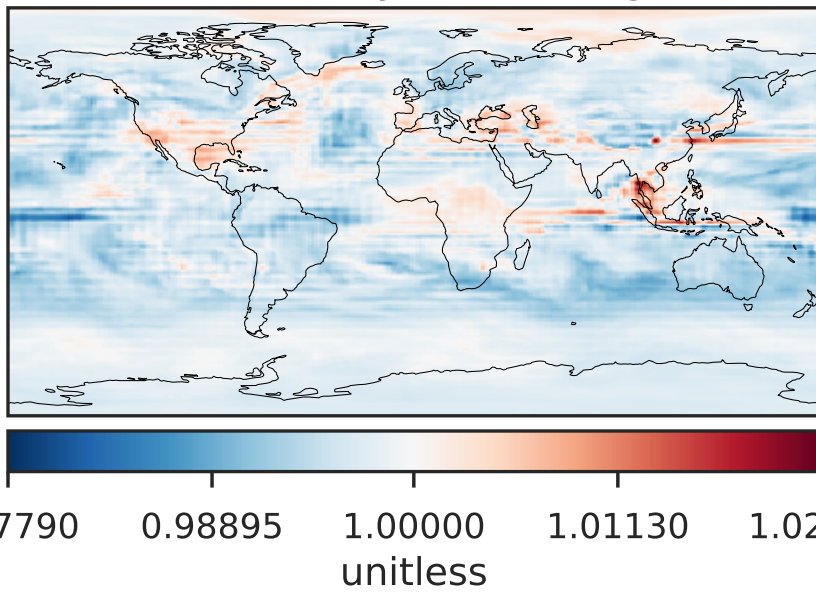
Difference (1x1.25)
Dev - Ref, Dynamic Range



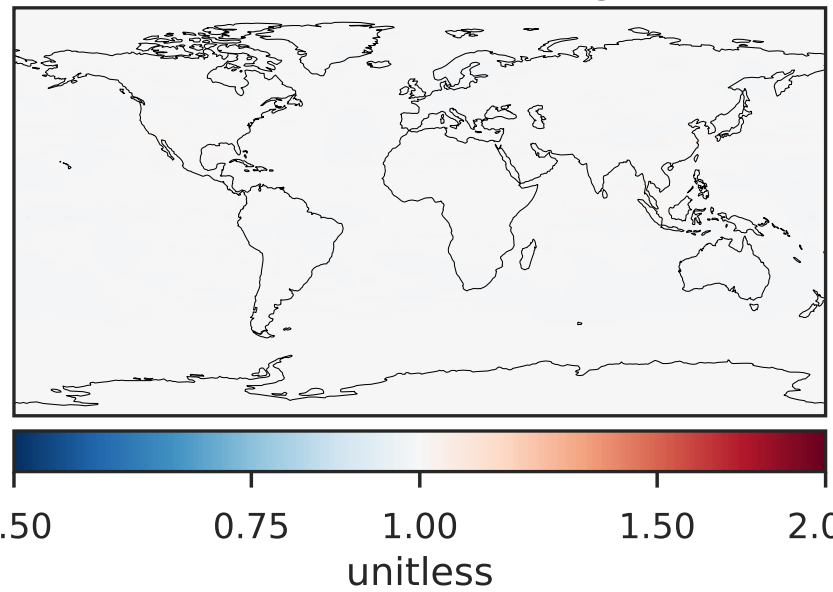
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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

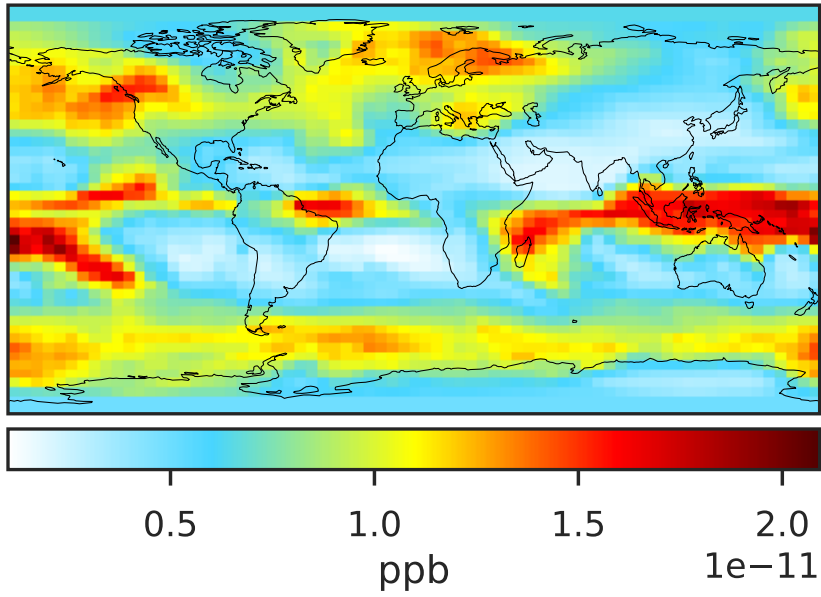


0.97790 0.98895 1.00000 1.01130 1.02260
unitless

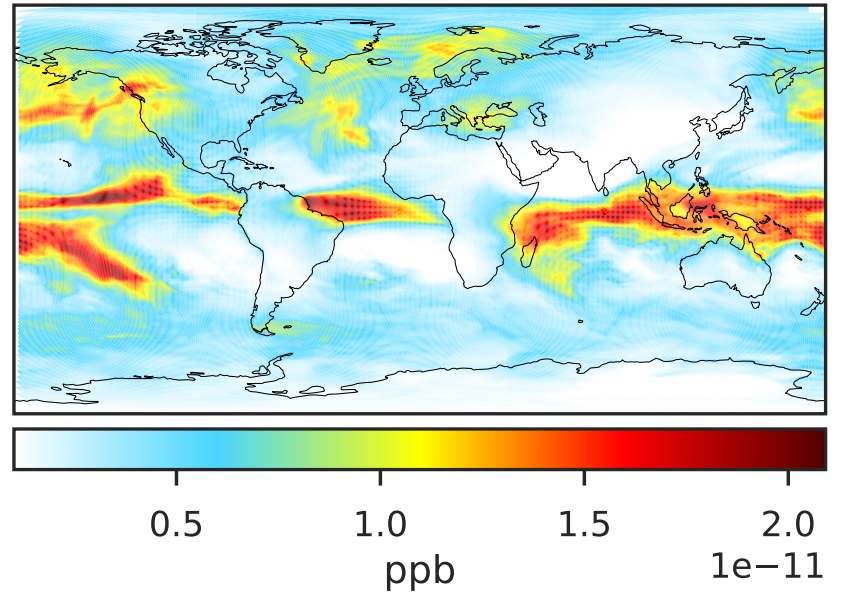
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVW_CH3I (Jan2019)

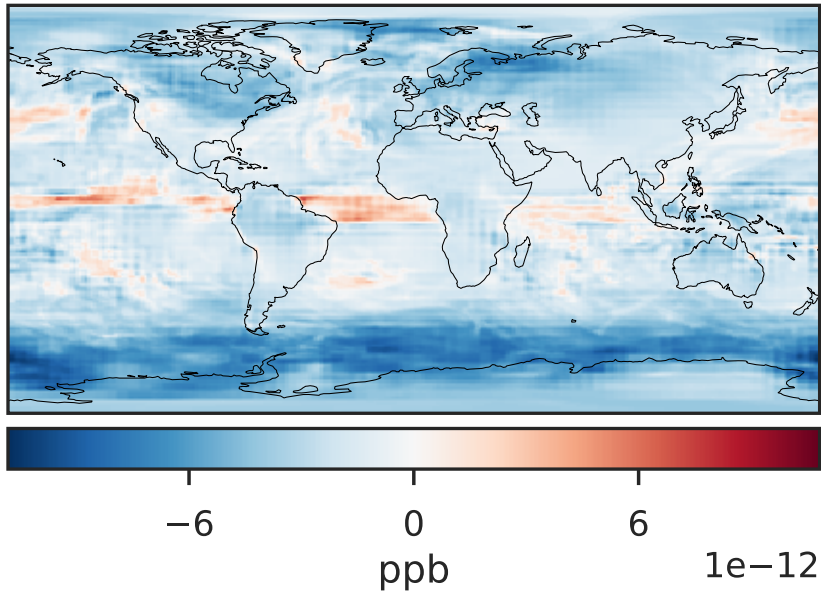
GCC 14.2.2 (Ref)
4.0x5.0



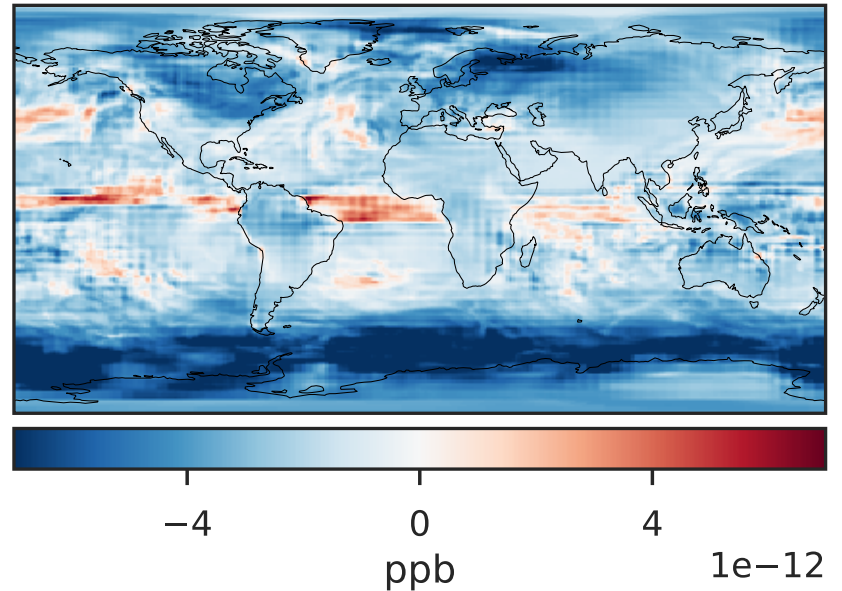
GCHP 14.2.2 using mass flux (Dev)
c180



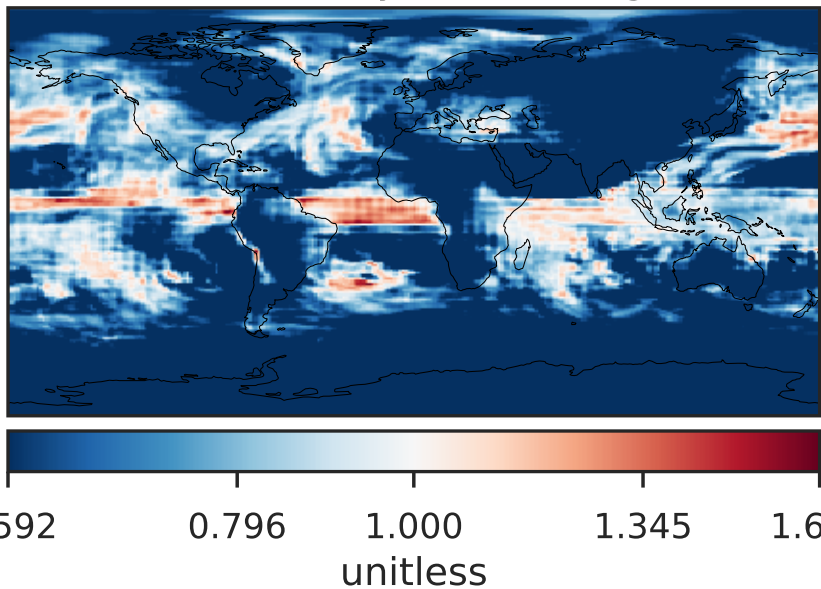
Difference (1x1.25)
Dev - Ref, Dynamic Range



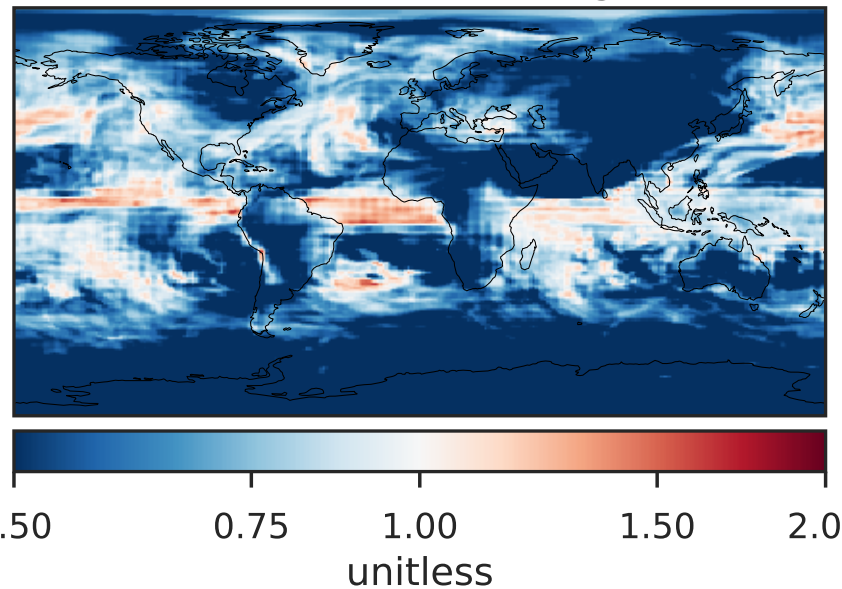
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

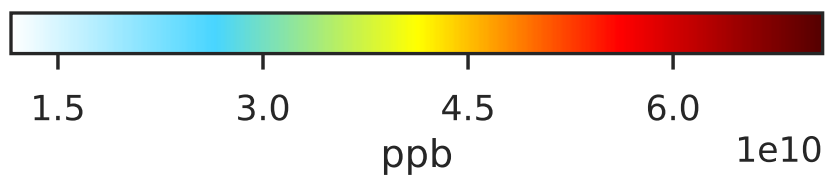
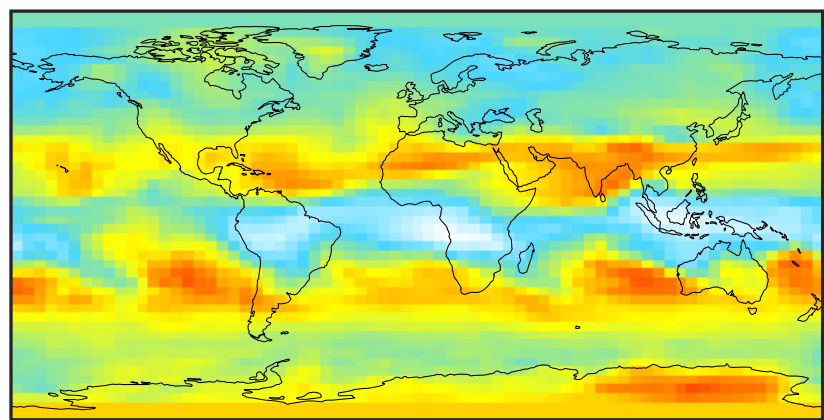


Ratio (1x1.25)
Dev/Ref, Fixed Range

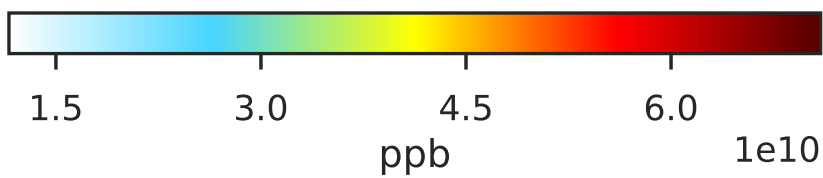
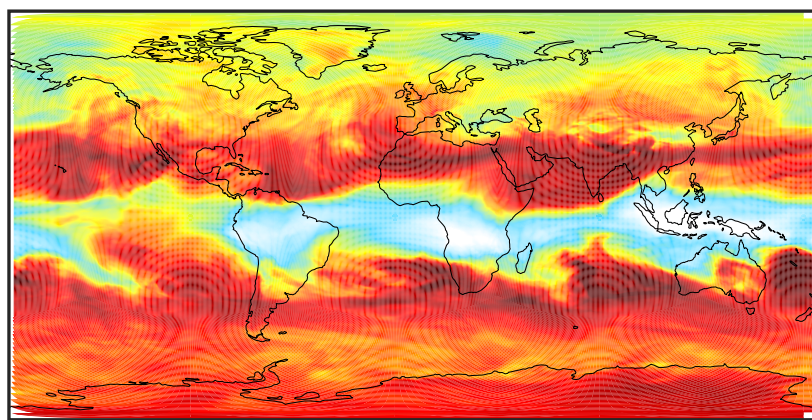


SpeciesConcVV_aoa (Jan2019)

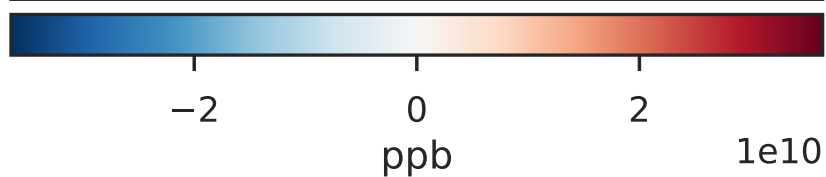
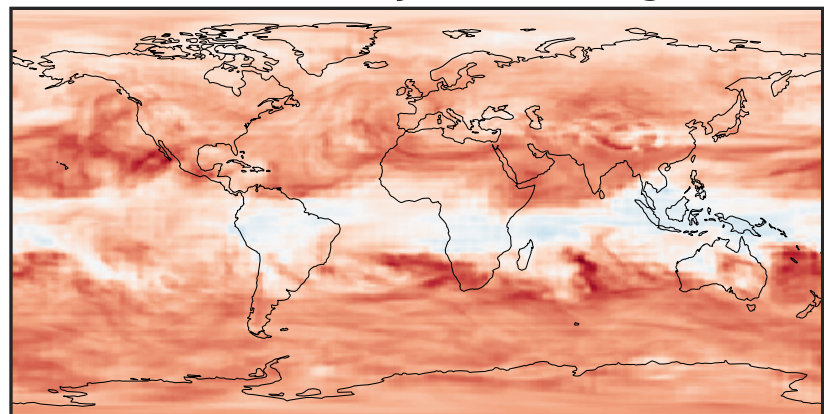
GCC 14.2.2 (Ref)
4.0x5.0



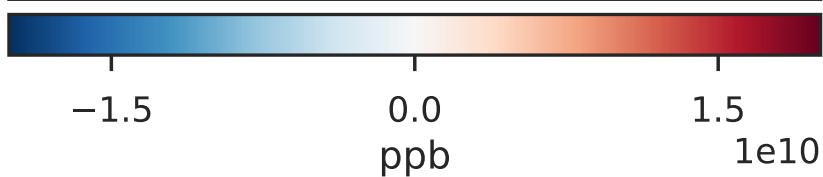
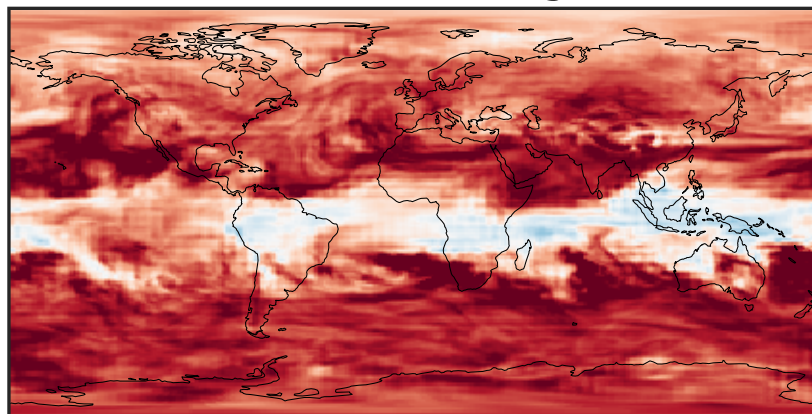
GCHP 14.2.2 using mass flux (Dev)
c180



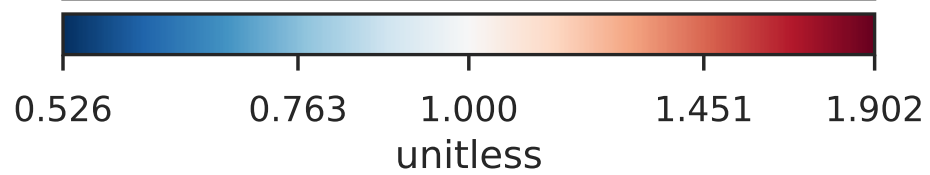
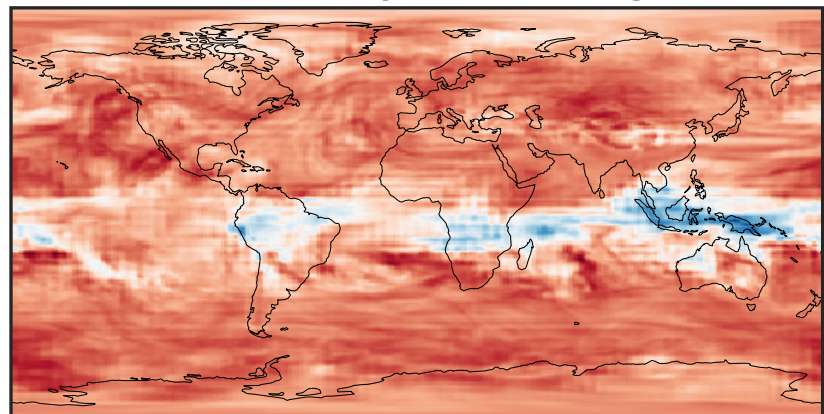
Difference (1x1.25)
Dev - Ref, Dynamic Range



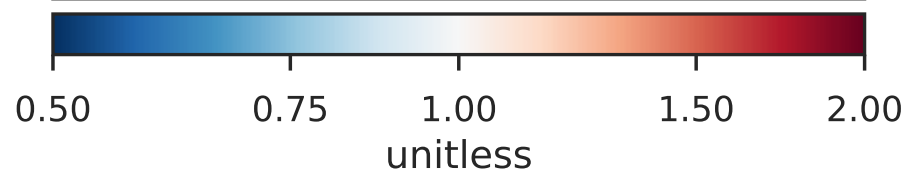
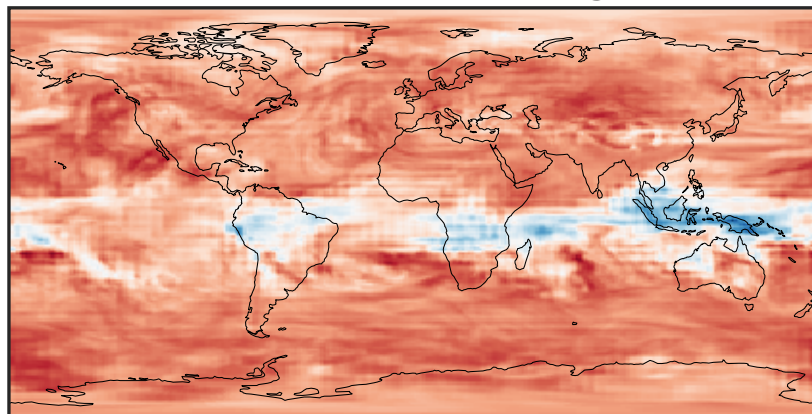
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

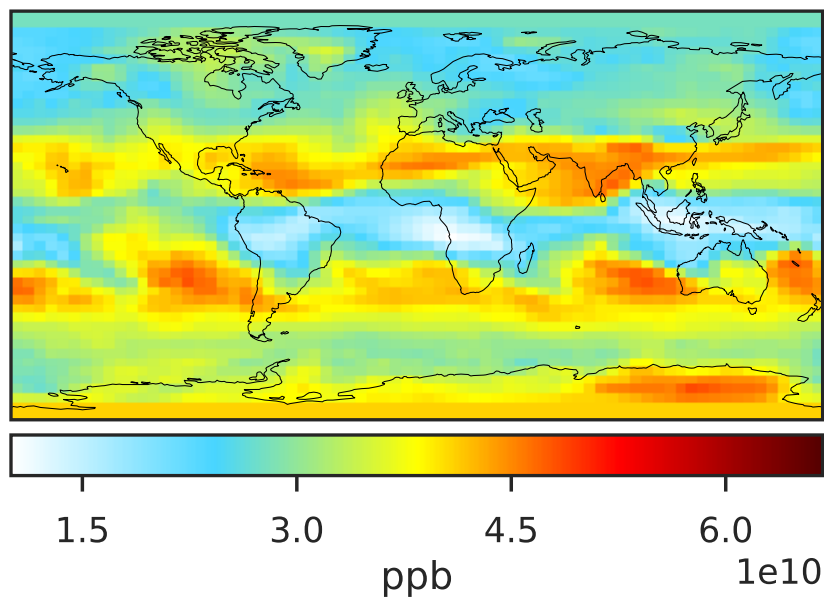


Ratio (1x1.25)
Dev/Ref, Fixed Range

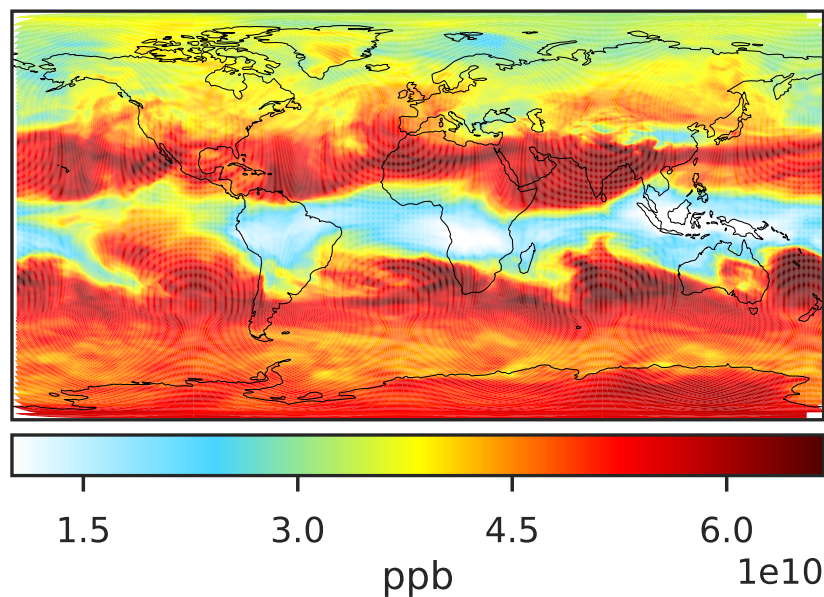


SpeciesConcVV_aoa_bl (Jan2019)

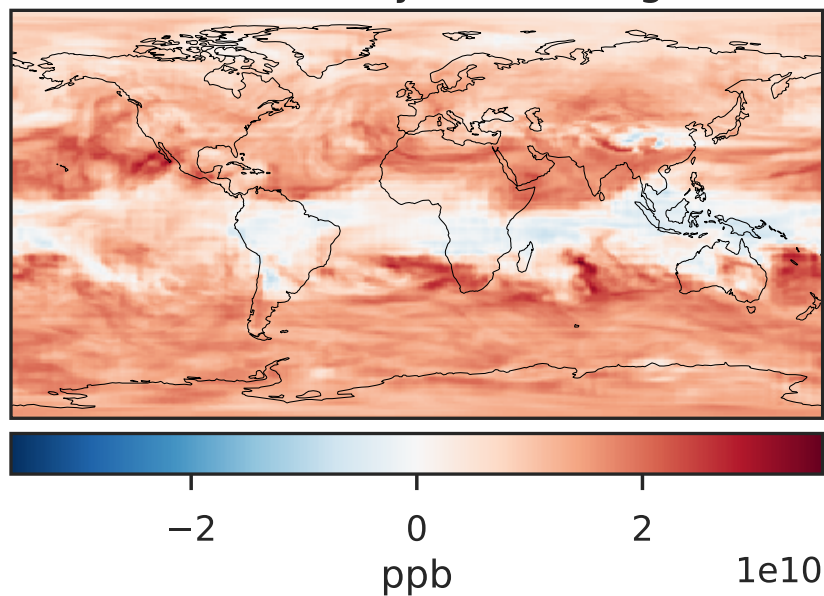
GCC 14.2.2 (Ref)
4.0x5.0



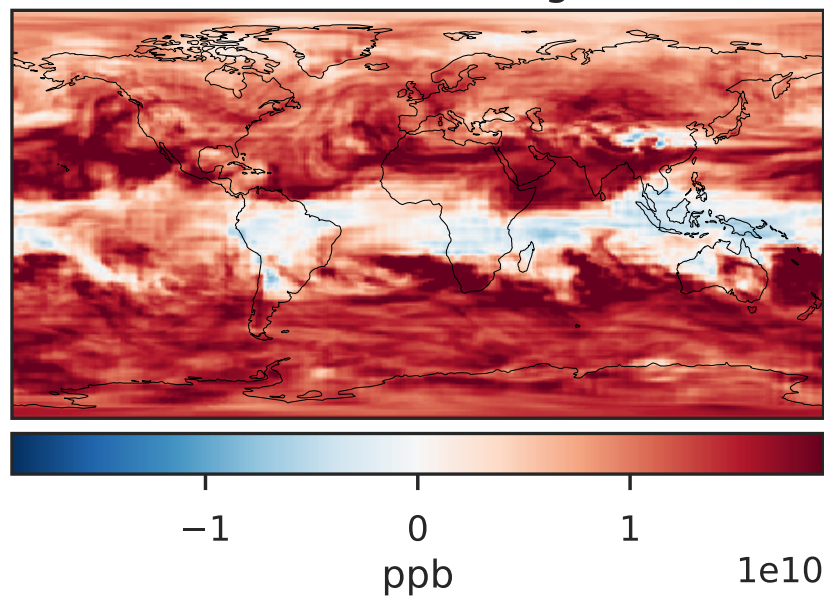
GCHP 14.2.2 using mass flux (Dev)
c180



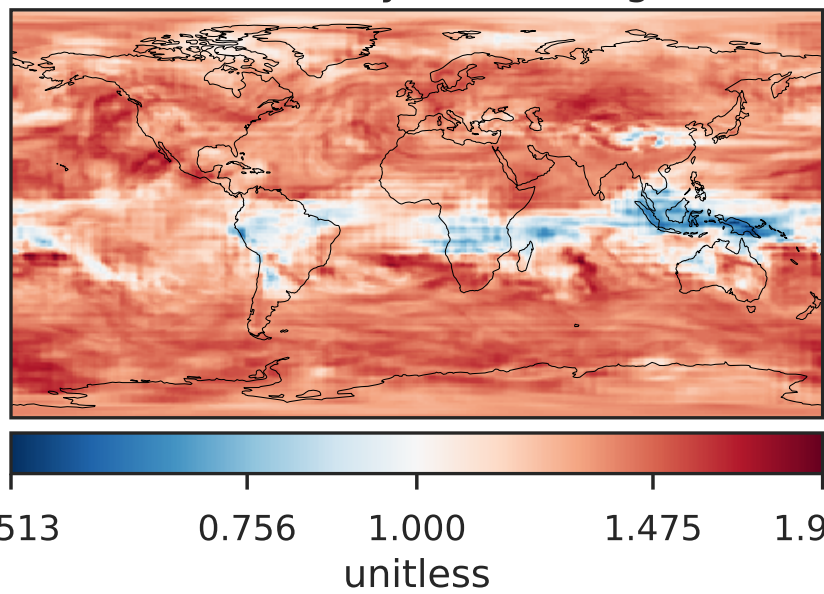
Difference (1x1.25)
Dev - Ref, Dynamic Range



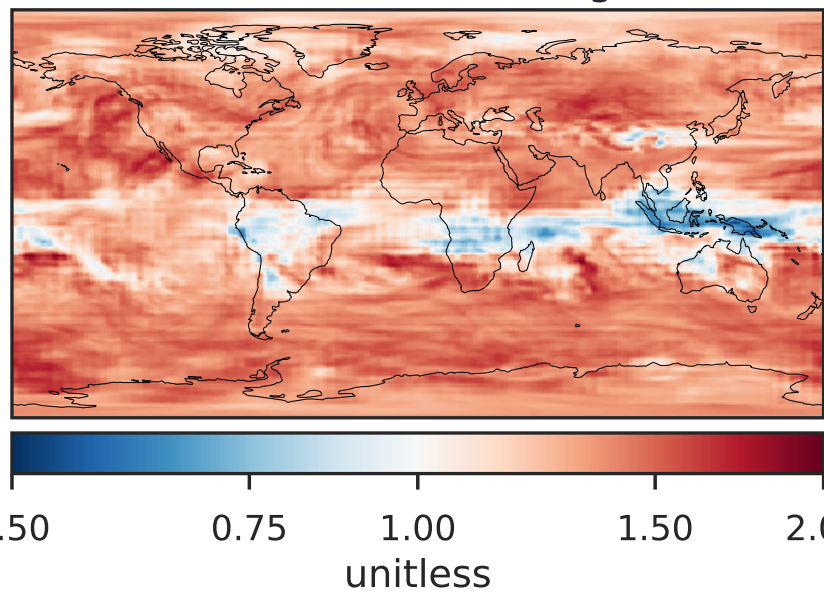
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

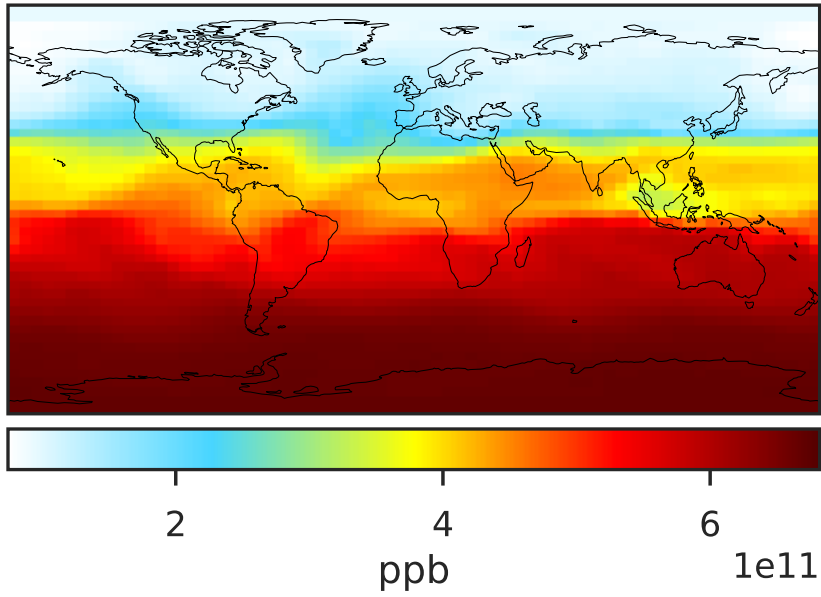


Ratio (1x1.25)
Dev/Ref, Fixed Range

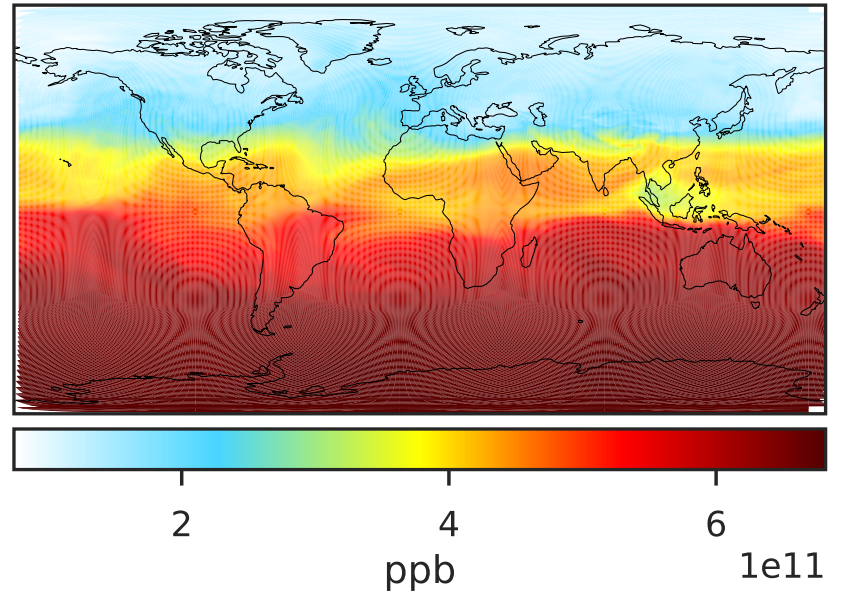


SpeciesConcVV_aoa_nh (Jan2019)

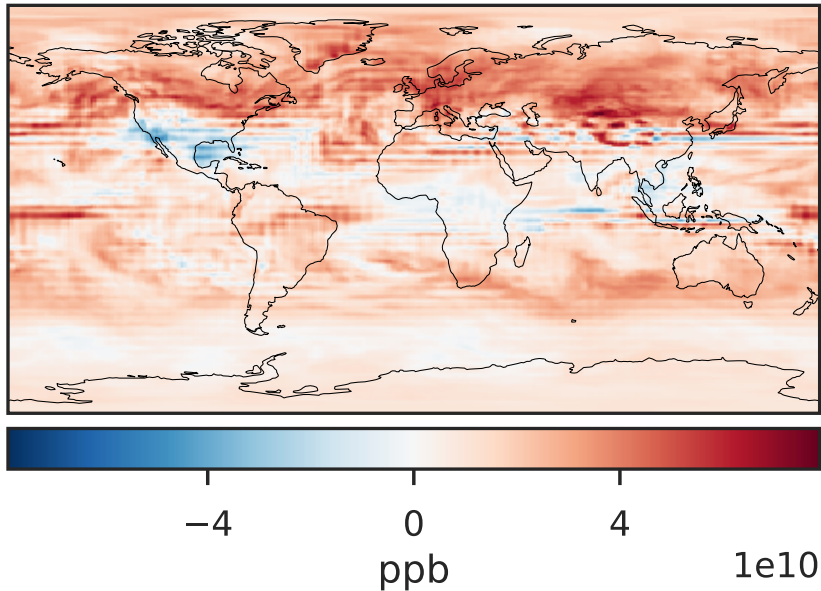
GCC 14.2.2 (Ref)
4.0x5.0



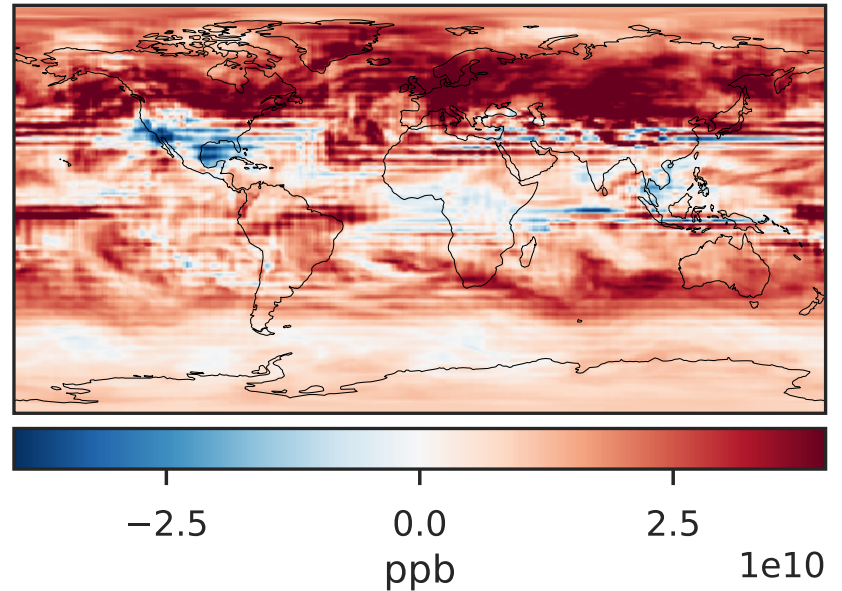
GCHP 14.2.2 using mass flux (Dev)
c180



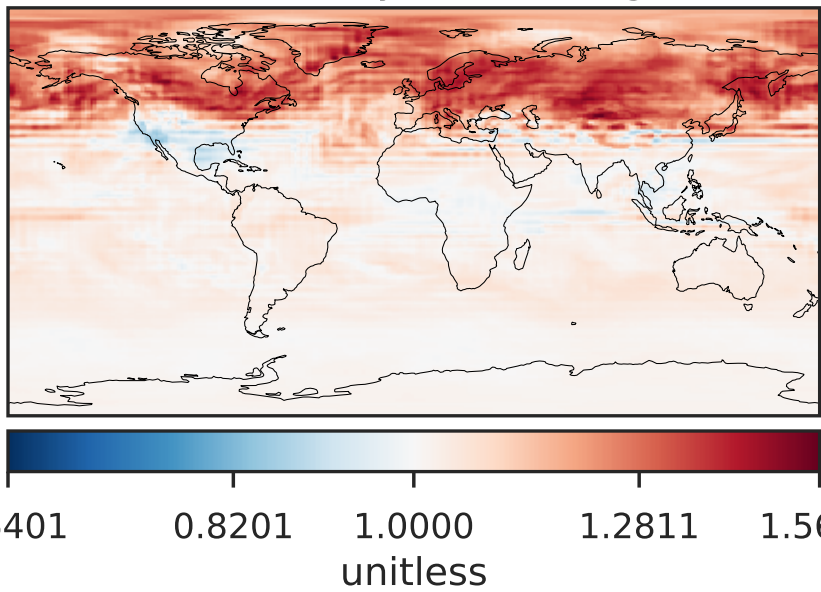
Difference (1x1.25)
Dev - Ref, Dynamic Range



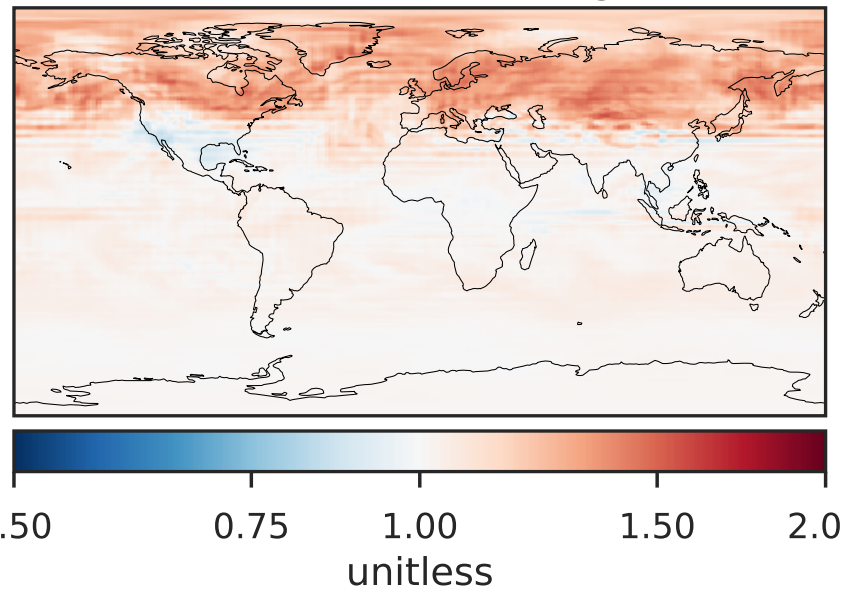
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

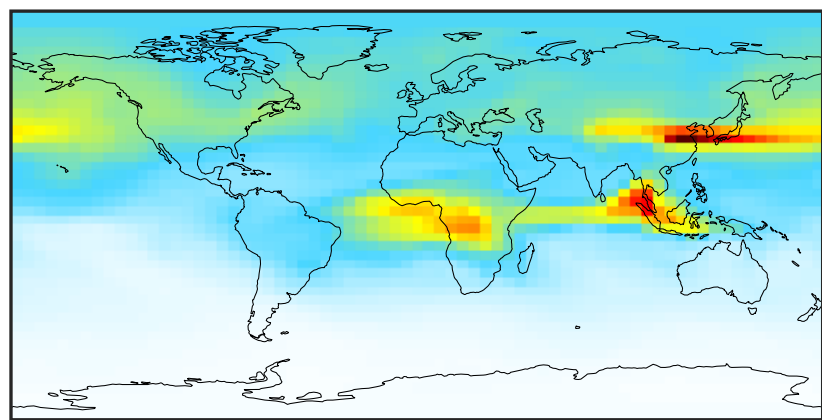


Ratio (1x1.25)
Dev/Ref, Fixed Range



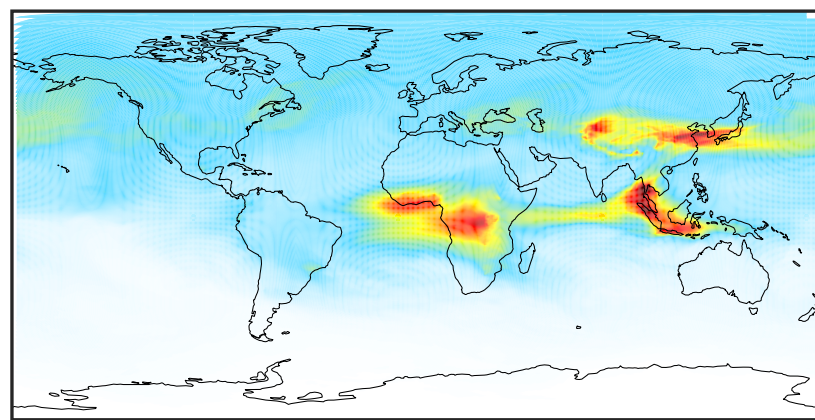
SpeciesConcVV_CO_25 (Jan2019)

GCC 14.2.2 (Ref)
4.0x5.0



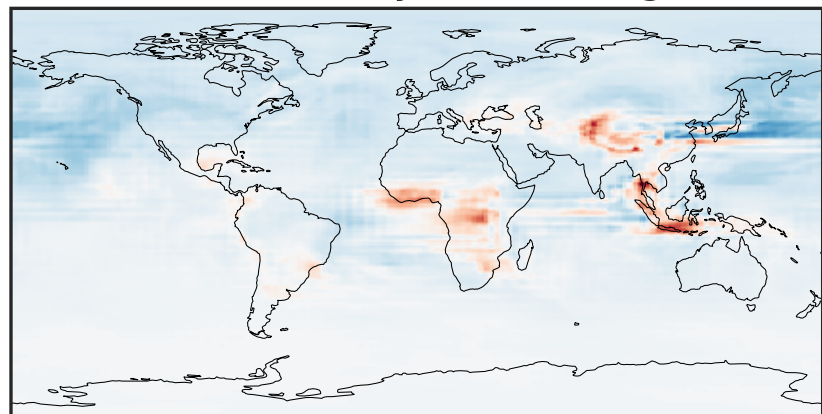
0.59 9.27 17.96 26.65 35.34
ppb

GCHP 14.2.2 using mass flux (Dev)
c180



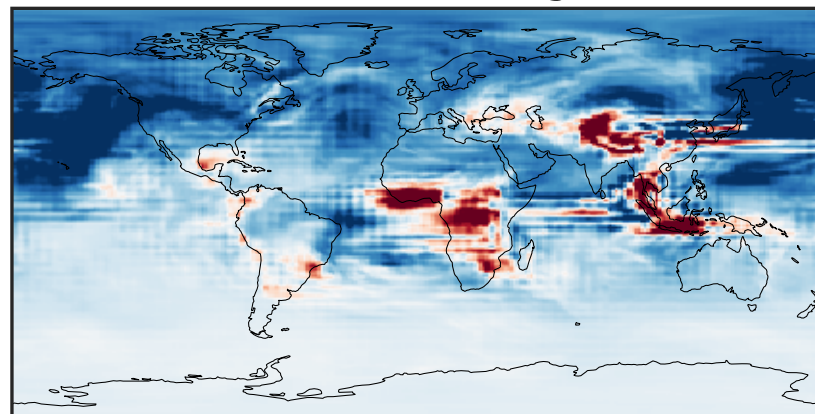
0.59 9.27 17.96 26.65 35.34
ppb

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



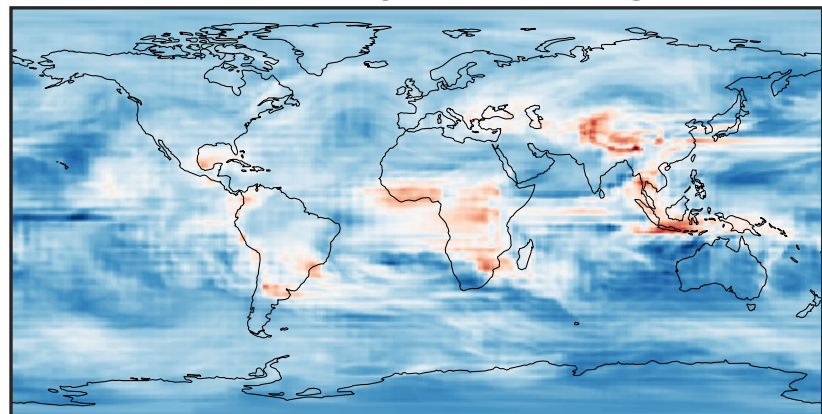
-14.59 -7.29 0.00 7.29 14.59
ppb

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



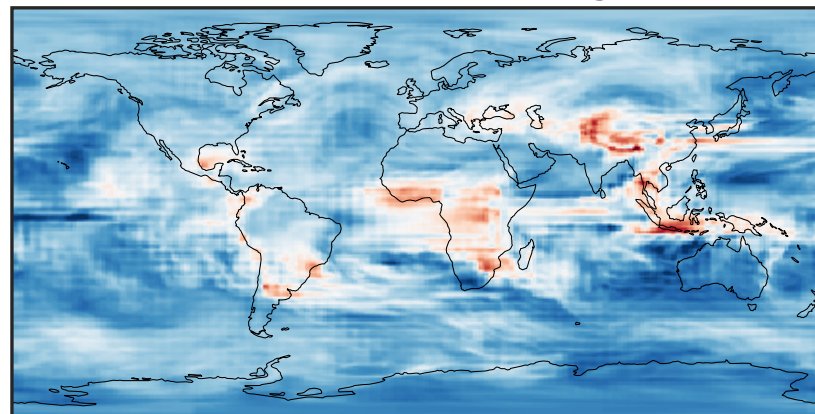
-3.745 -1.873 0.000 1.873 3.745
ppb

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



0.450 0.725 1.000 1.611 2.222
unitless

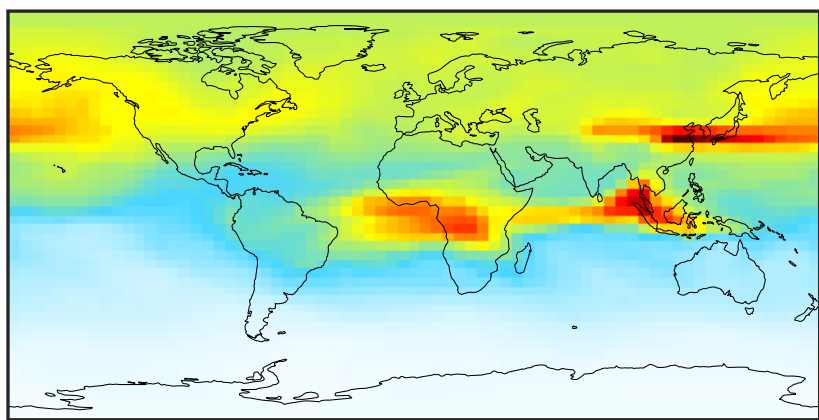
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

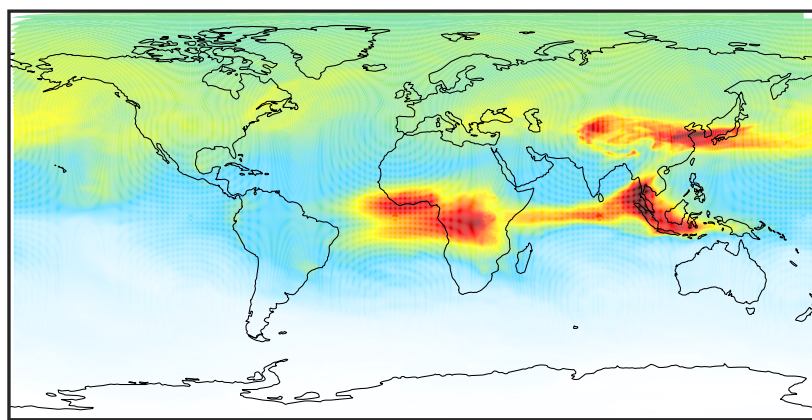
SpeciesConcVV_CO_50 (Jan2019)

GCC 14.2.2 (Ref)
4.0x5.0



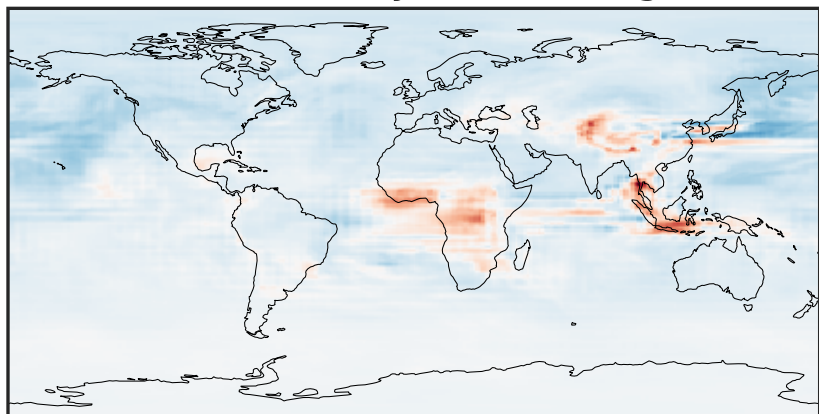
2.64 14.40 26.15 37.90 49.65
ppb

GCHP 14.2.2 using mass flux (Dev)
c180



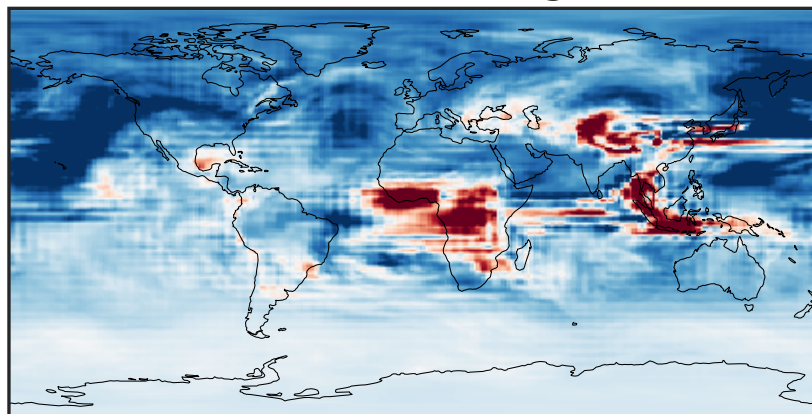
2.64 14.40 26.15 37.90 49.65
ppb

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



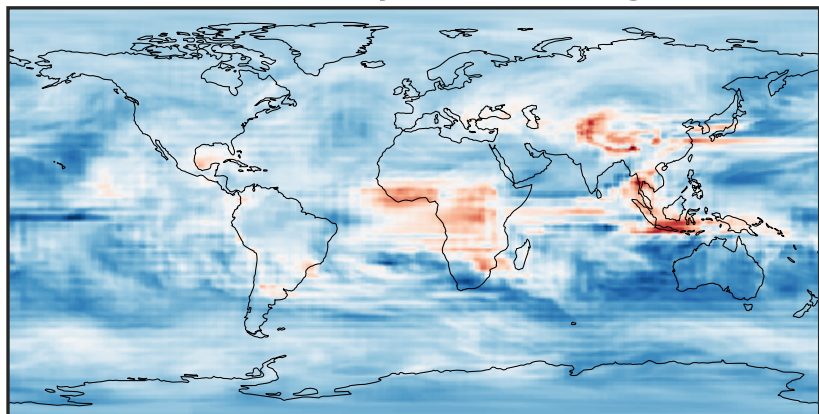
-19.47 -9.73 0.00 9.73 19.47
ppb

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



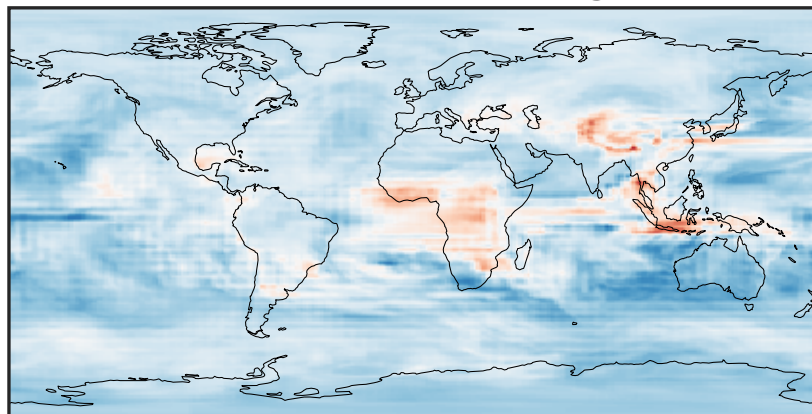
-4.809 -2.404 0.000 2.404 4.809
ppb

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



0.601 0.800 1.000 1.332 1.665
unitless

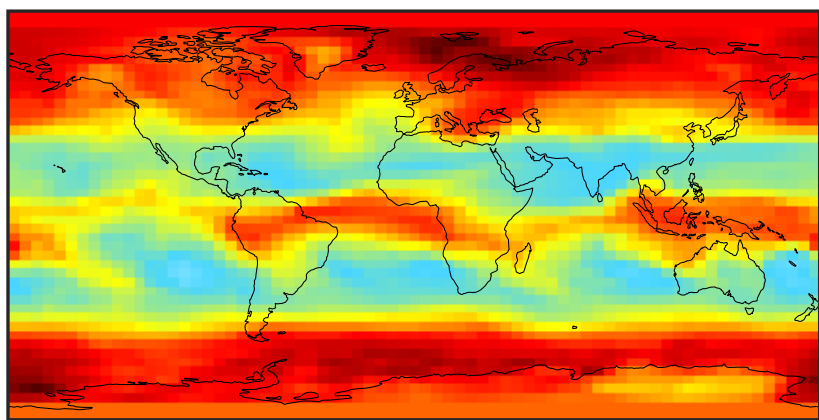
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

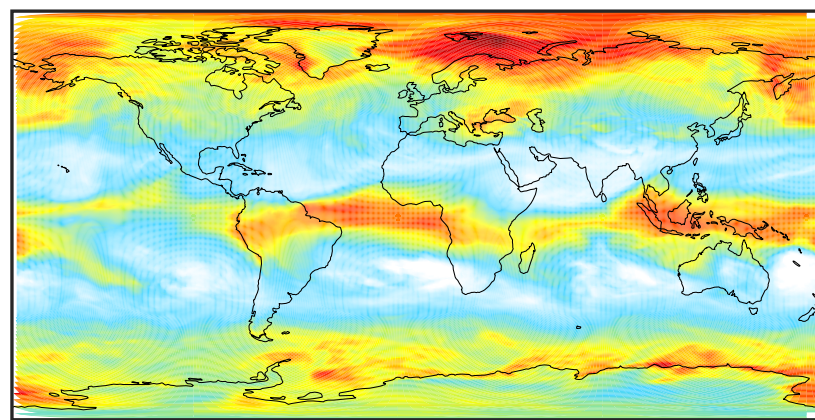
SpeciesConcVW_e90 (Jan2019)

GCC 14.2.2 (Ref)
4.0x5.0



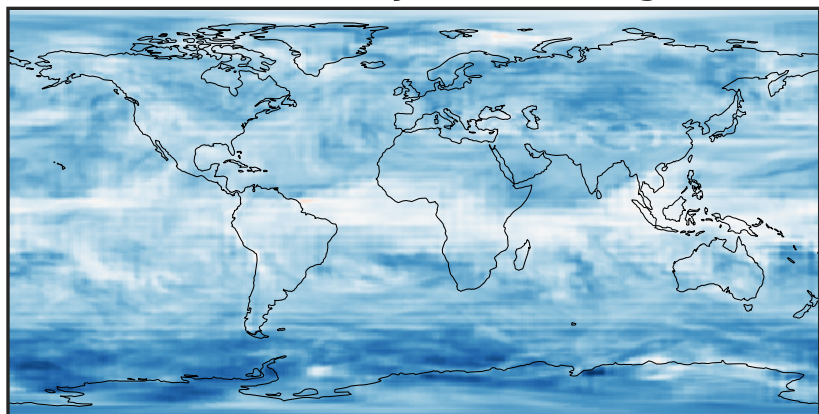
51.05 58.03 65.00 71.98 78.96
ppb

GCHP 14.2.2 using mass flux (Dev)
c180



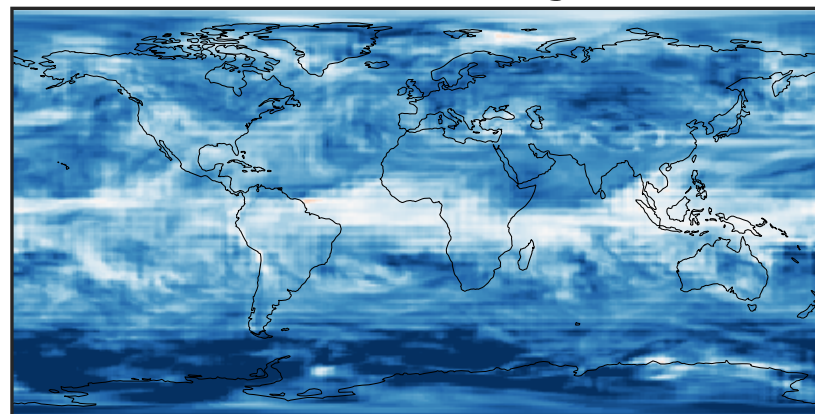
51.05 58.03 65.00 71.98 78.96
ppb

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



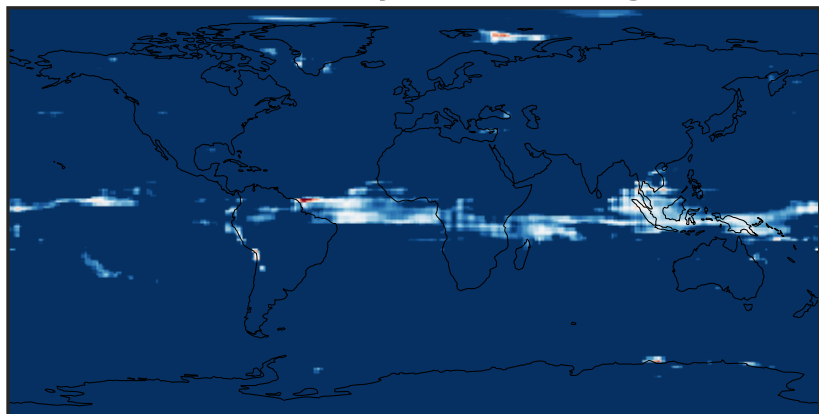
-14.43 -7.21 0.00 7.21 14.43
ppb

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



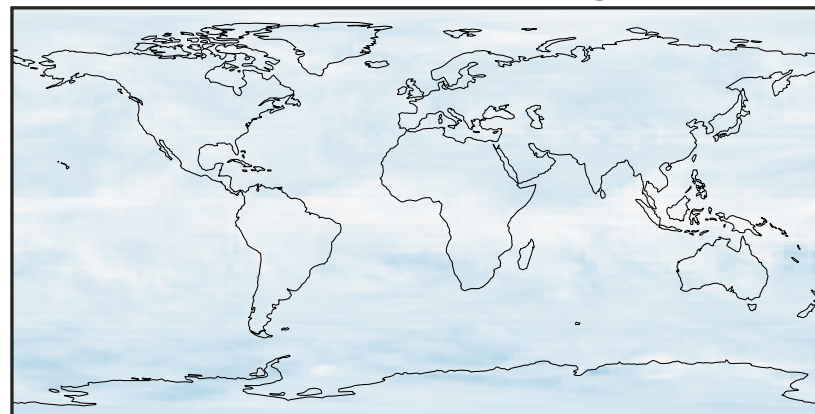
-9.45 -4.72 0.00 4.72 9.45
ppb

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



0.96917 0.98459 1.00000 1.01591 1.03181
unitless

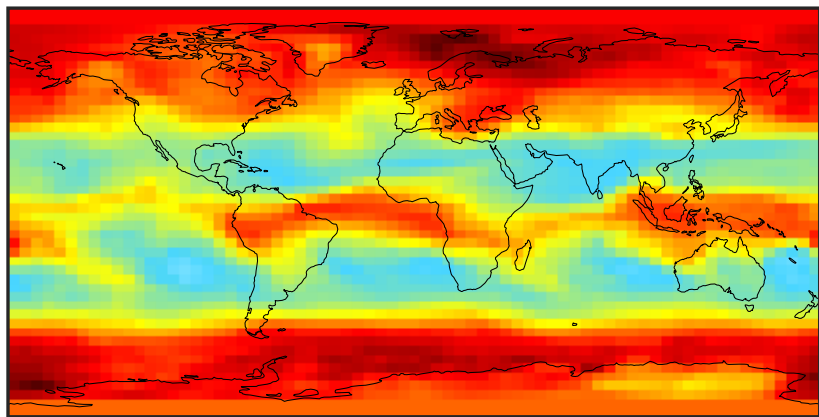
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

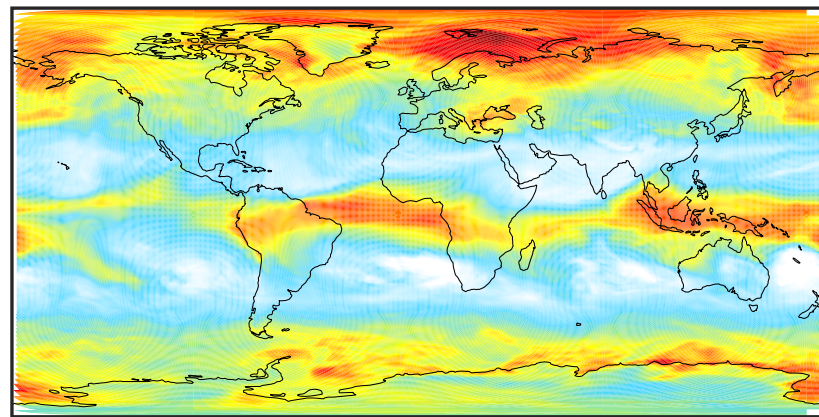
SpeciesConcVV_e90_n (Jan2019)

GCC 14.2.2 (Ref)
4.0x5.0



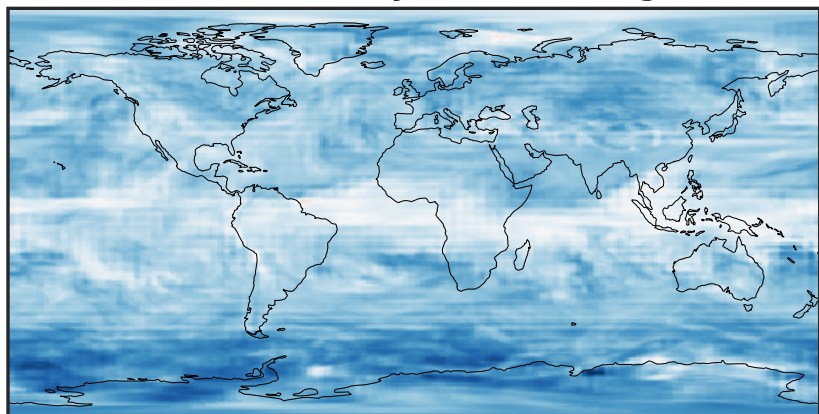
51.05 58.03 65.00 71.98 78.96
ppb

GCHP 14.2.2 using mass flux (Dev)
c180



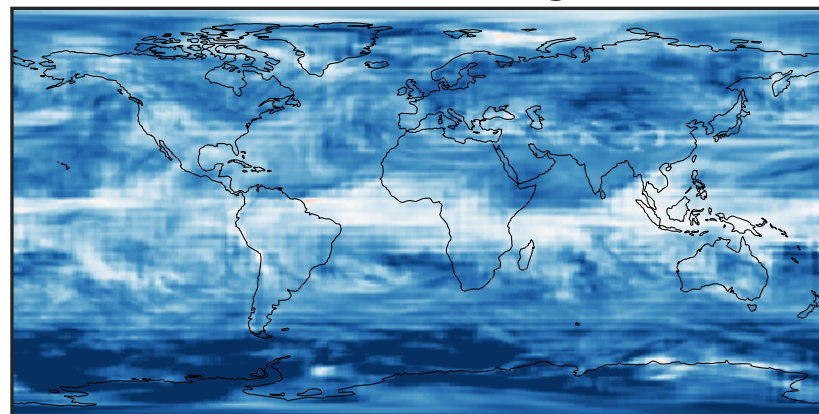
51.05 58.03 65.00 71.98 78.96
ppb

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



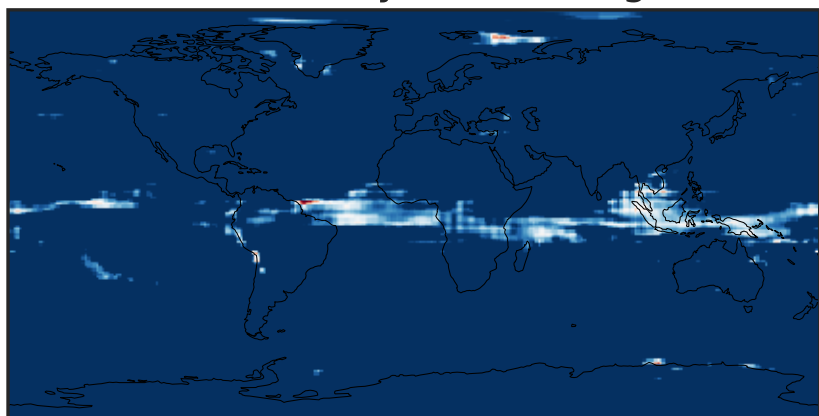
-14.43 -7.21 0.00 7.21 14.43
ppb

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



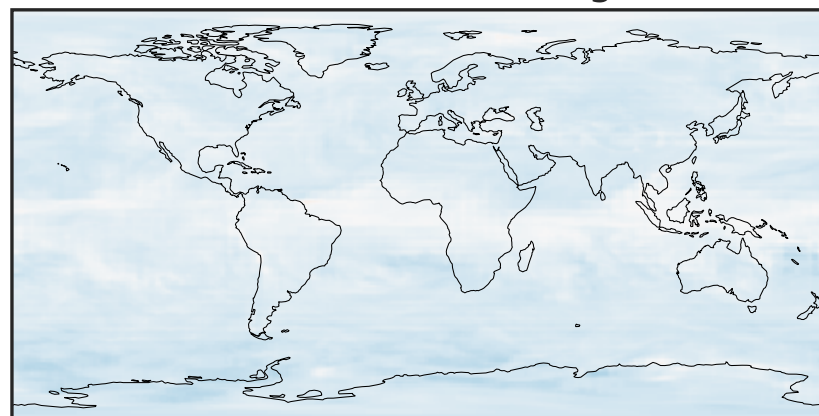
-9.45 -4.72 0.00 4.72 9.45
ppb

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



0.96917 0.98459 1.00000 1.01591 1.03181
unitless

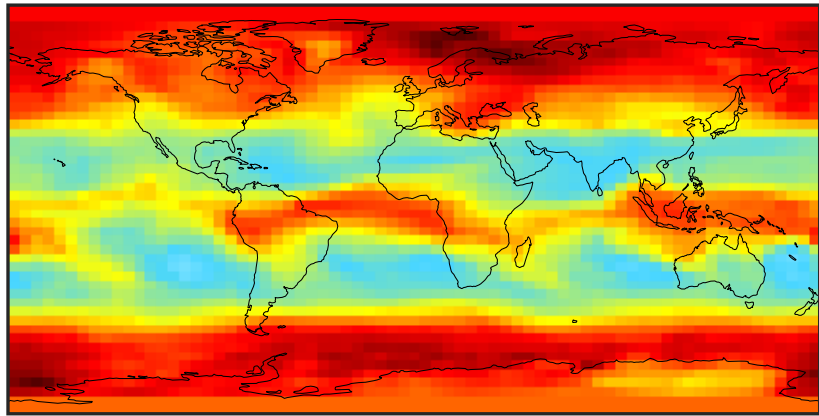
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

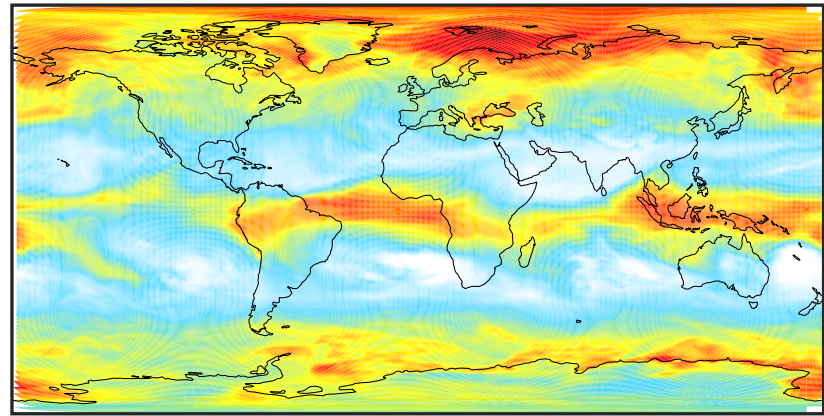
SpeciesConcVV_e90_s (Jan2019)

GCC 14.2.2 (Ref)
4.0x5.0



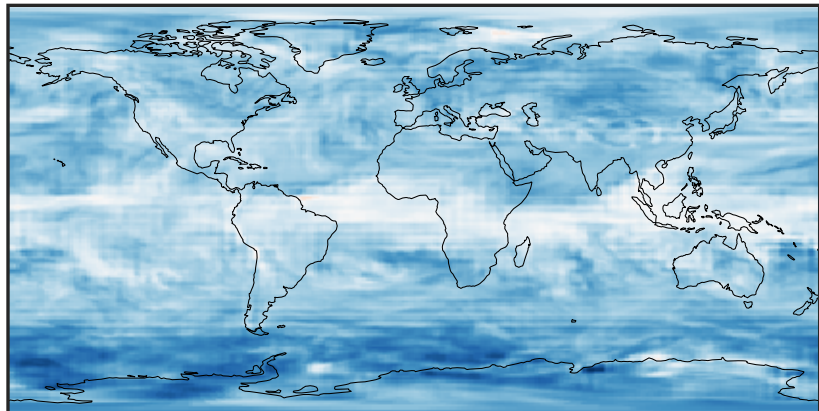
51.05 58.03 65.00 71.98 78.96
ppb

GCHP 14.2.2 using mass flux (Dev)
c180



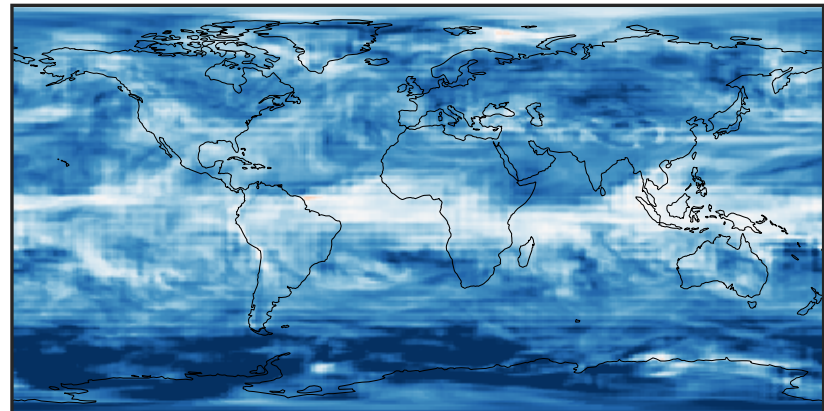
51.05 58.03 65.00 71.98 78.96
ppb

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



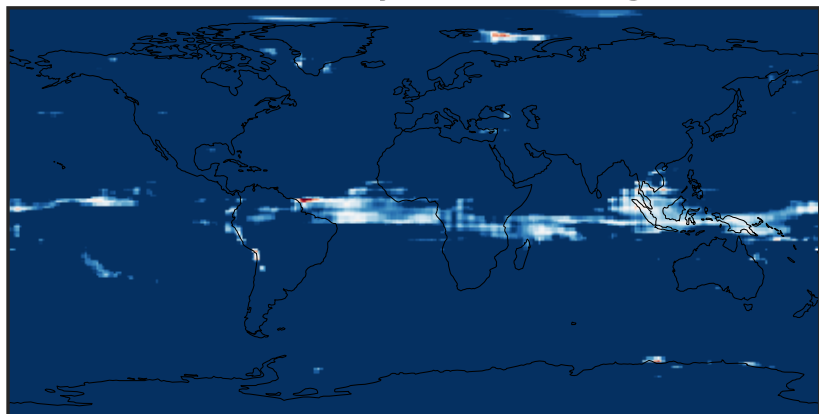
-14.43 -7.21 0.00 7.21 14.43
ppb

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



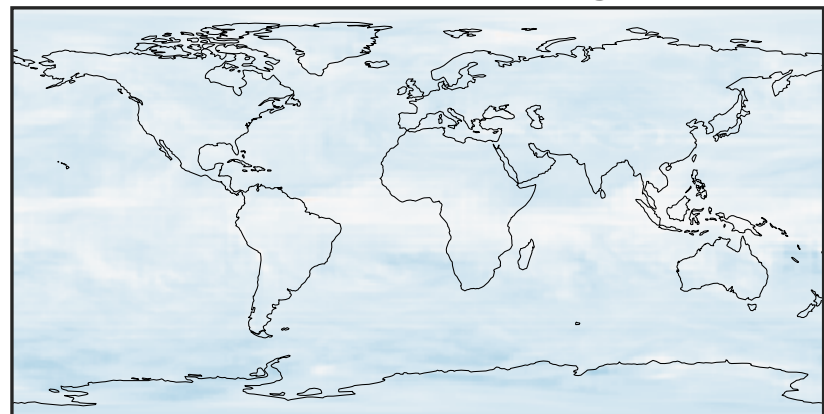
-9.45 -4.72 0.00 4.72 9.45
ppb

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



0.96917 0.98459 1.00000 1.01591 1.03181
unitless

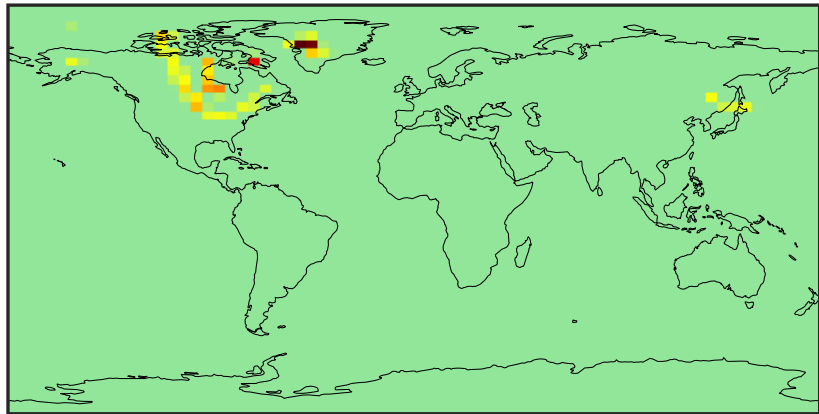
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

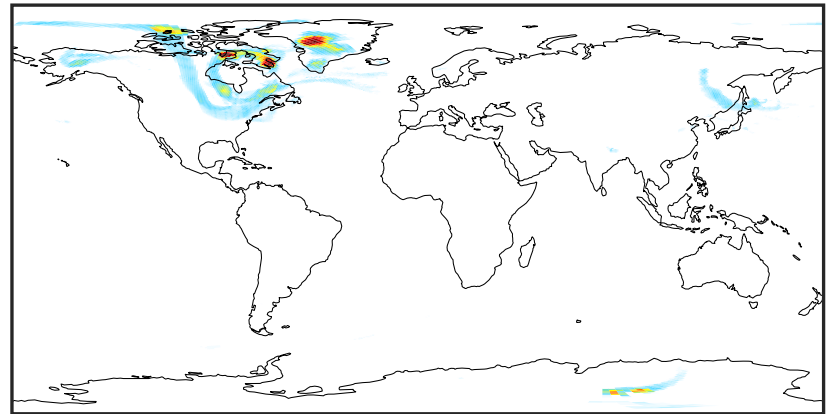
SpeciesConcVV_st80_25 (Jan2019)

GCC 14.2.2 (Ref)
4.0x5.0



0.0875 0.0900 0.0925
ppb +1.998e2

GCHP 14.2.2 using mass flux (Dev)
c180



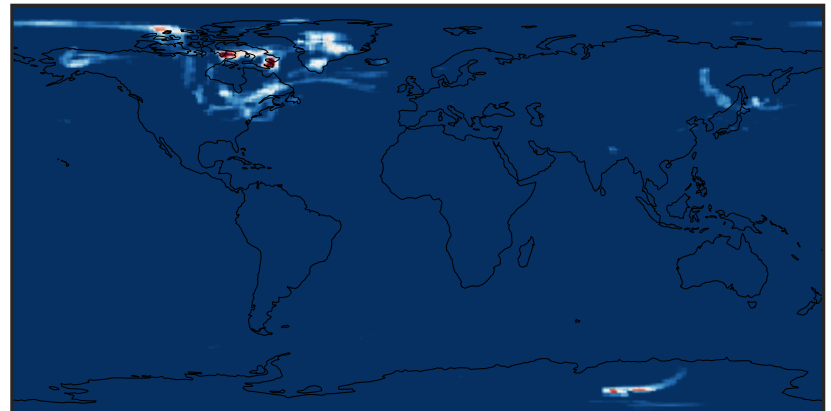
0.0875 0.0900 0.0925
ppb +1.998e2

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



-0.004 0.000 0.004
ppb

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



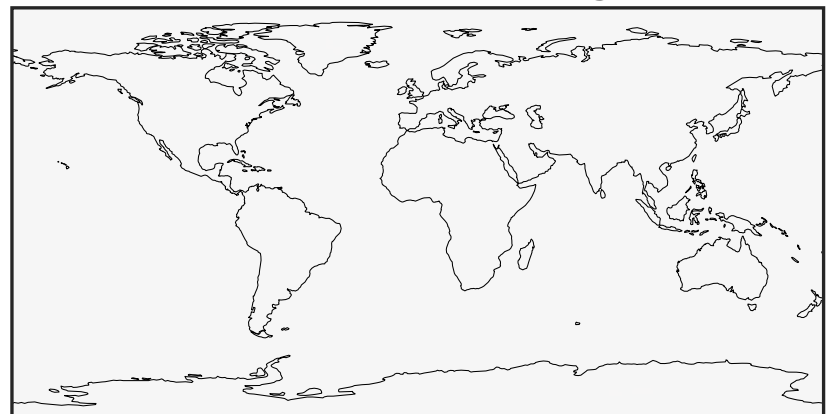
-0.002 0.000 0.002
ppb

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



0.99996164 1.0000000 1.00003836
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless