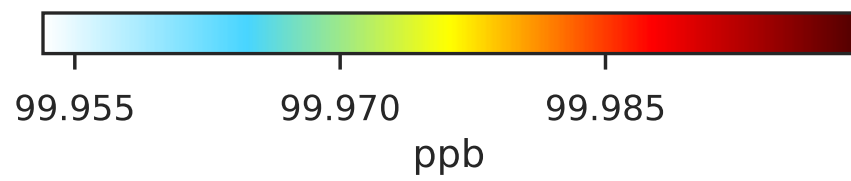
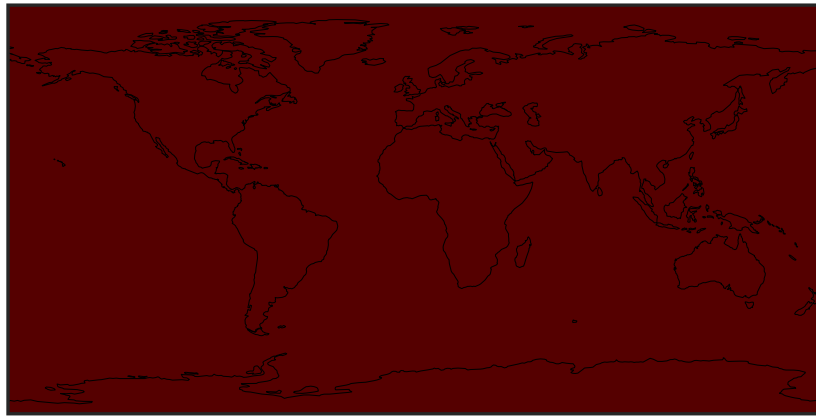
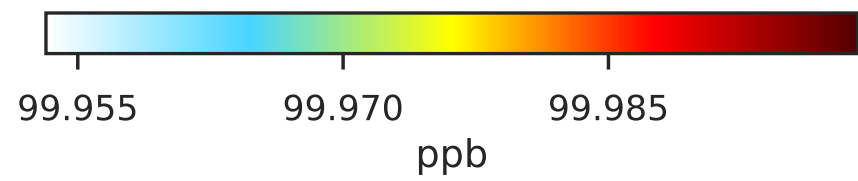
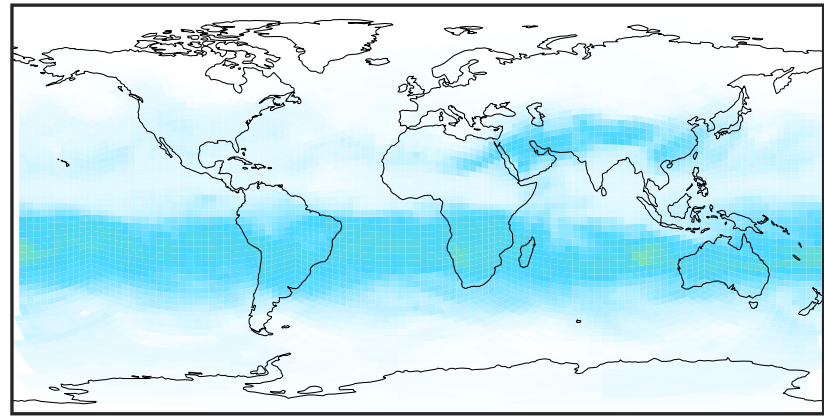


SpeciesConcVV_PassiveTracer (Jul2019)

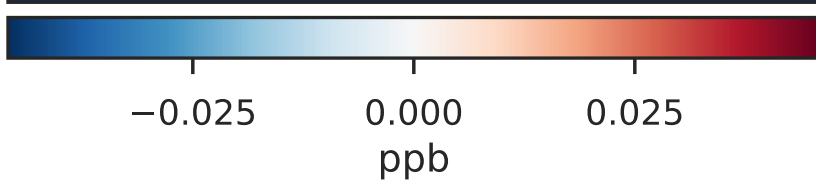
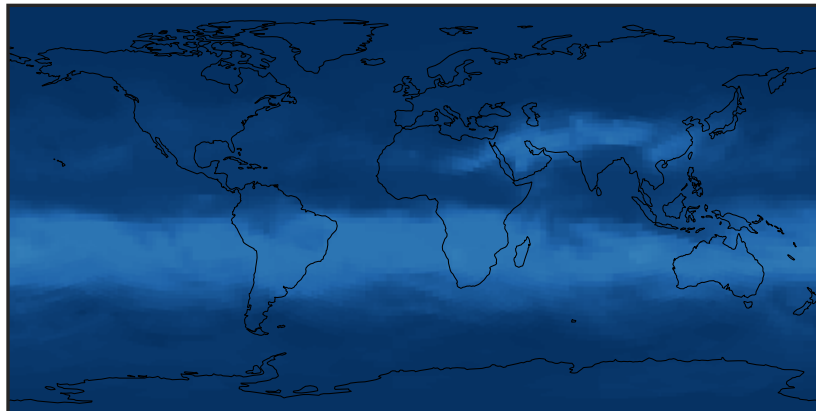
GCC 14.2.2 (Ref)
4.0x5.0



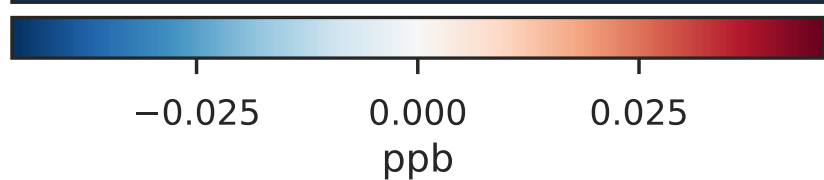
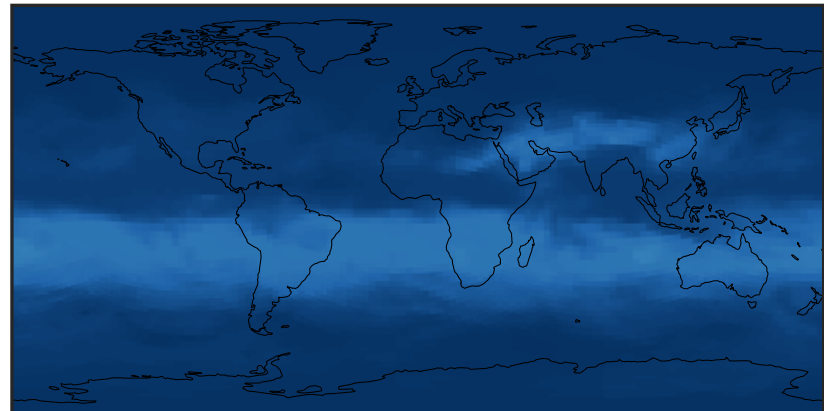
GCHP 14.2.2 using mass flux (Dev)
c30



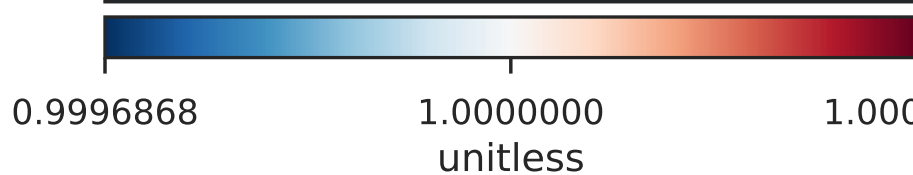
Difference (1x1.25)
Dev - Ref, Dynamic Range



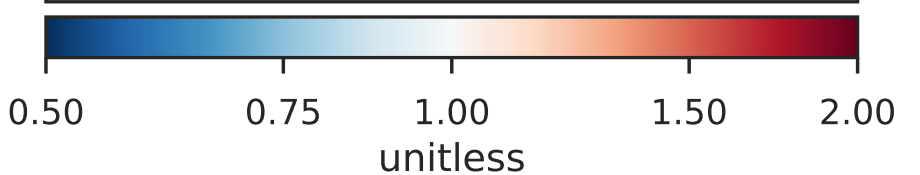
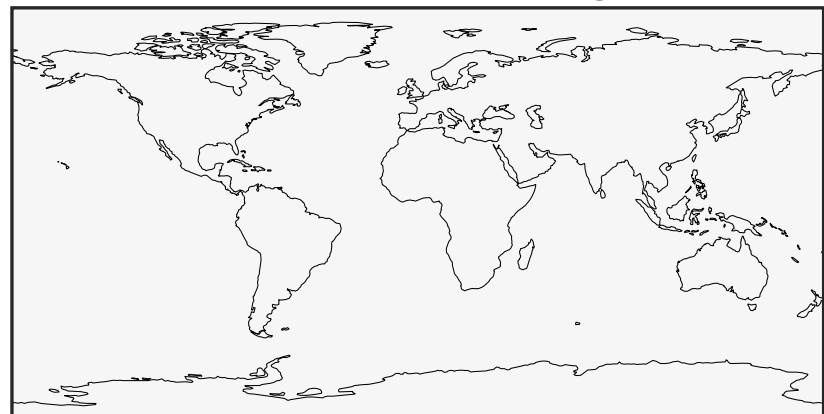
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

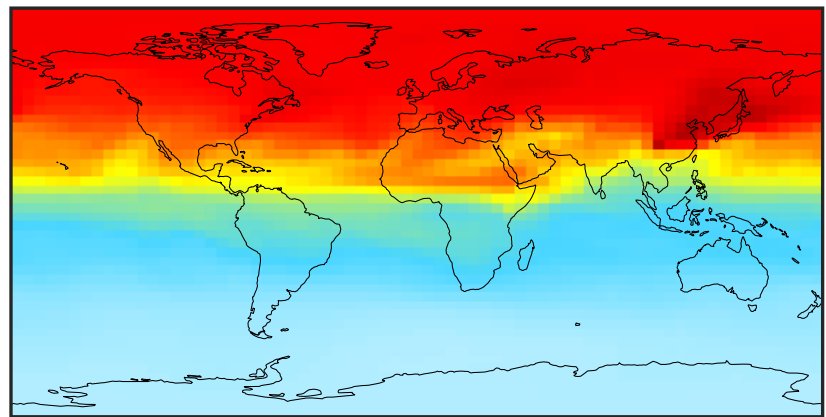


Ratio (1x1.25)
Dev/Ref, Fixed Range



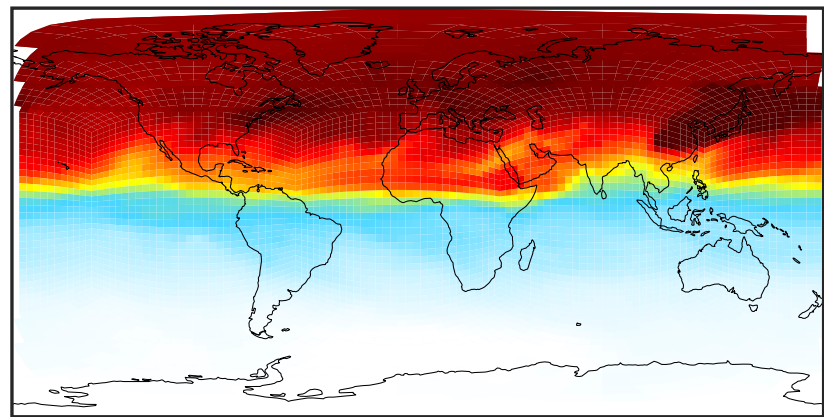
SpeciesConcVV_SF6 (Jul2019)

GCC 14.2.2 (Ref)
4.0x5.0



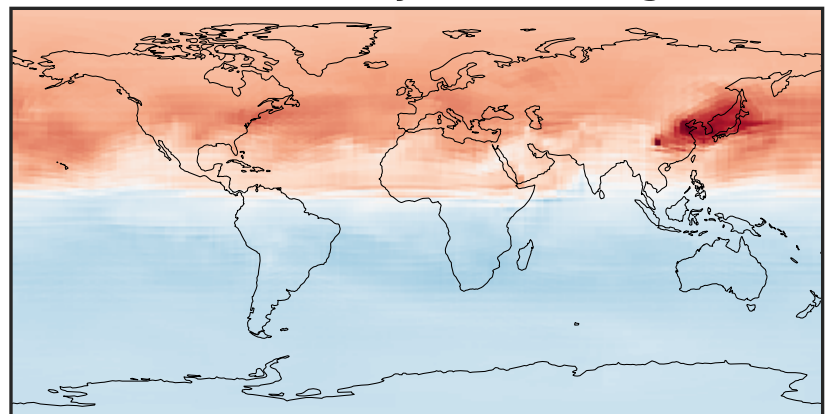
0.00255 0.00270 0.00285 0.00300
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



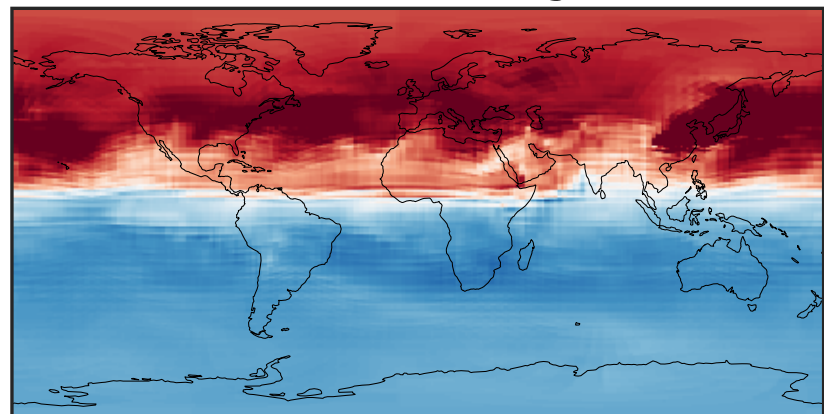
0.00255 0.00270 0.00285 0.00300
ppb

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



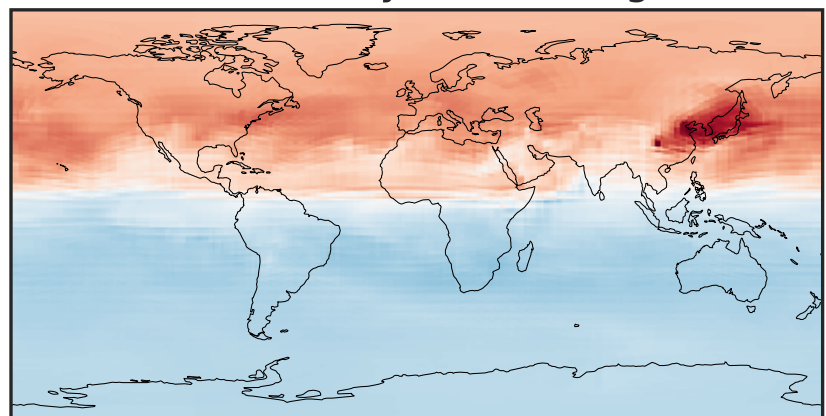
-0.00015 0.00000 0.00015
ppb

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



-6 0 6
ppb $1e-5$

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



0.9212 0.9606 1.0000 1.0428 1.0855
unitless

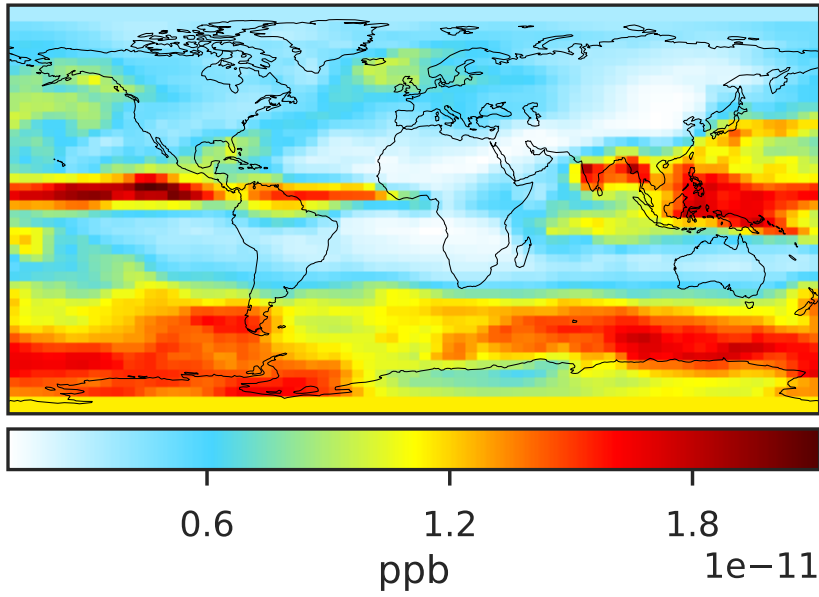
Ratio (1x1.25)
Dev/Ref, Fixed Range



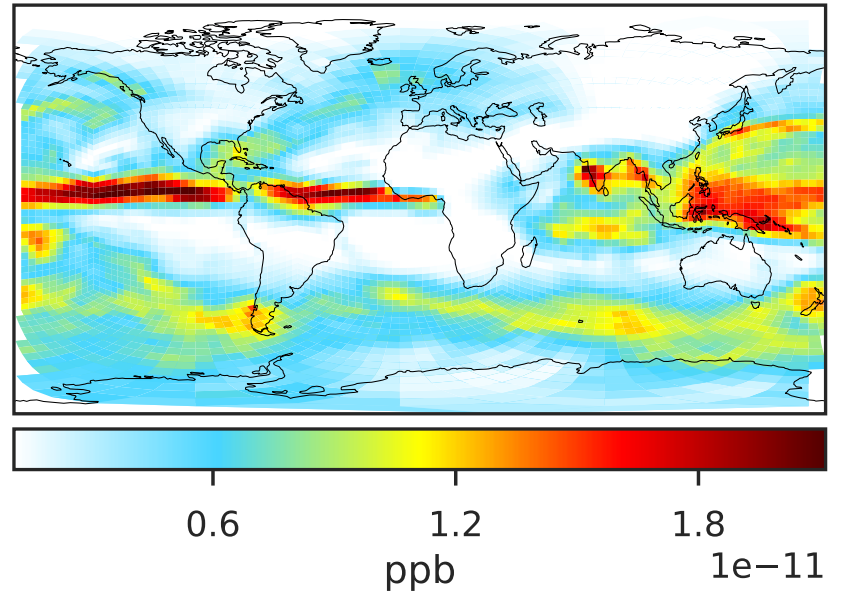
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_CH3I (Jul2019)

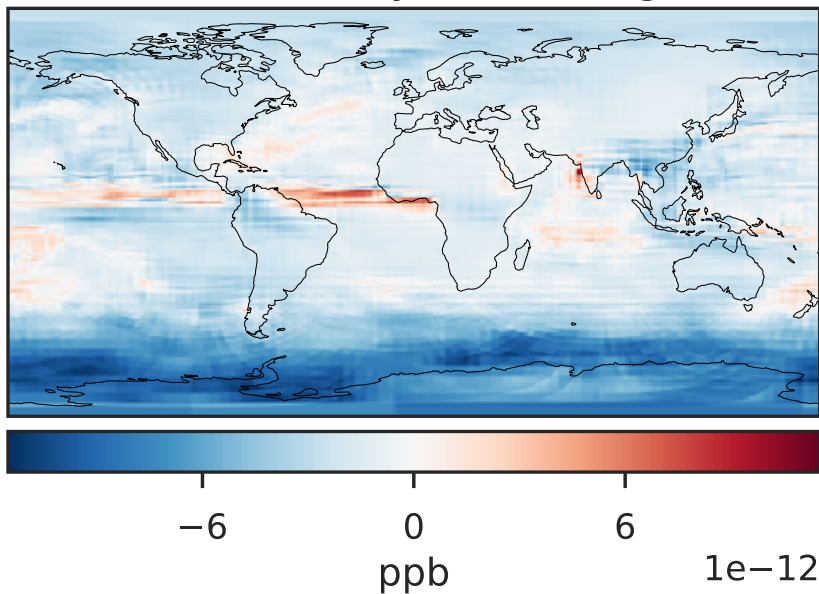
GCC 14.2.2 (Ref)
4.0x5.0



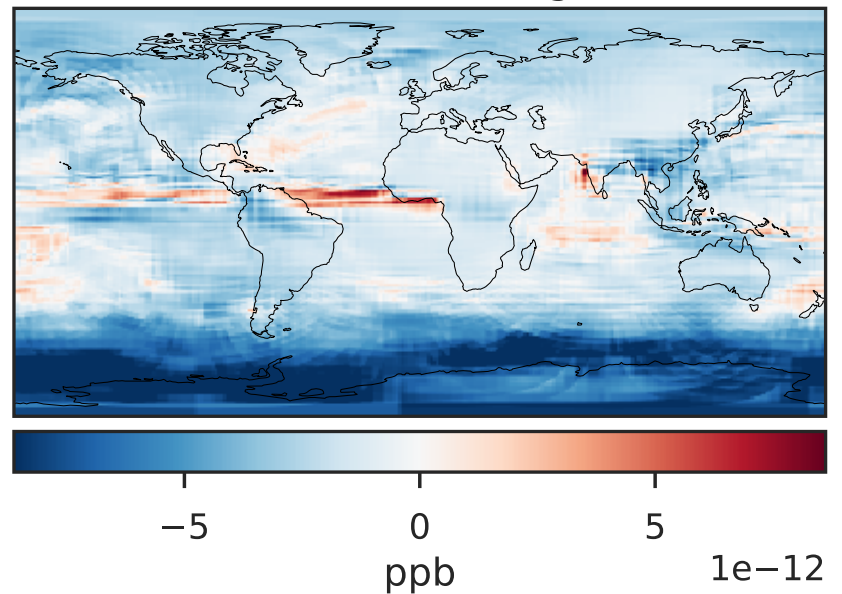
GCHP 14.2.2 using mass flux (Dev)
c30



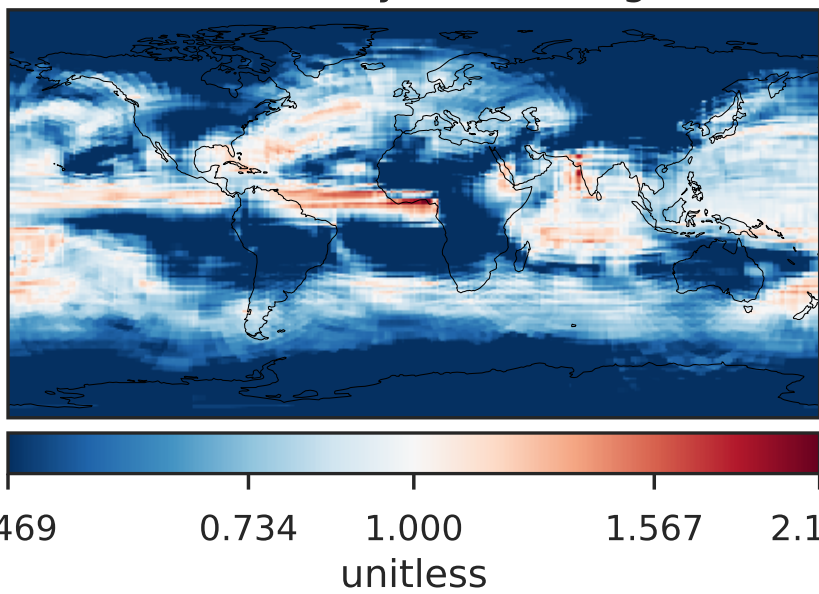
Difference (1x1.25)
Dev - Ref, Dynamic Range



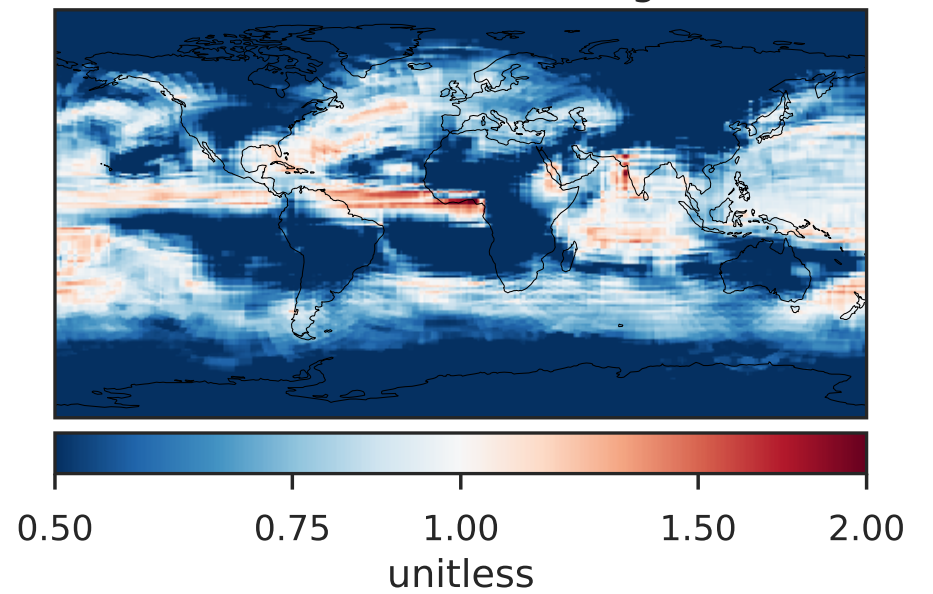
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

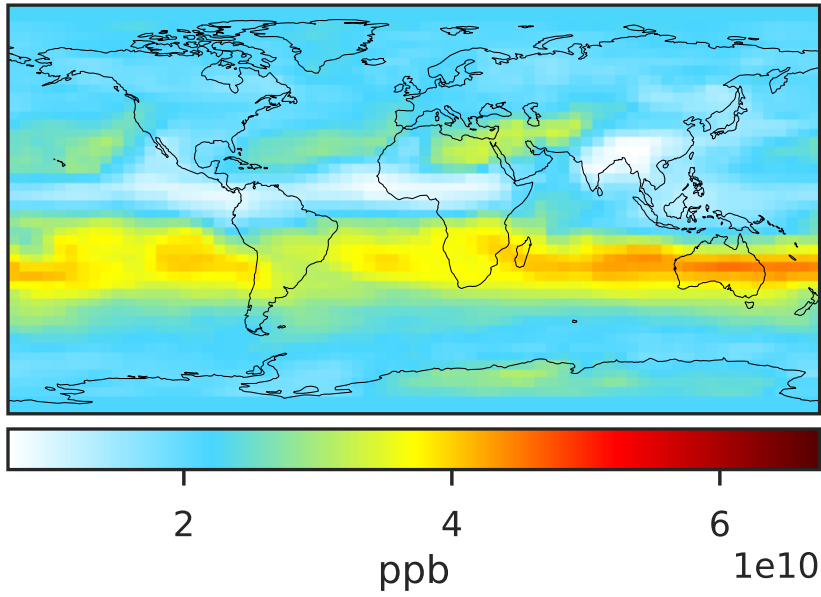


Ratio (1x1.25)
Dev/Ref, Fixed Range

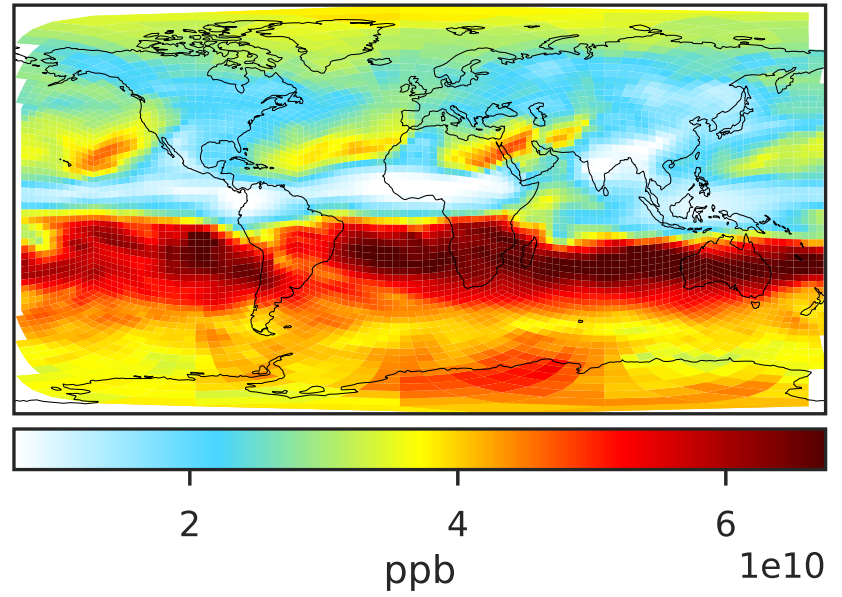


SpeciesConcVV_aoa (Jul2019)

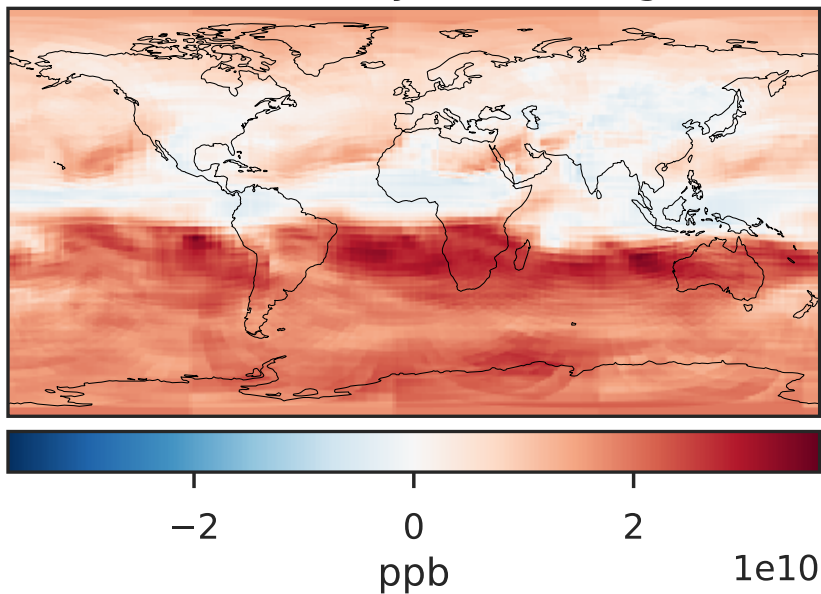
GCC 14.2.2 (Ref)
4.0x5.0



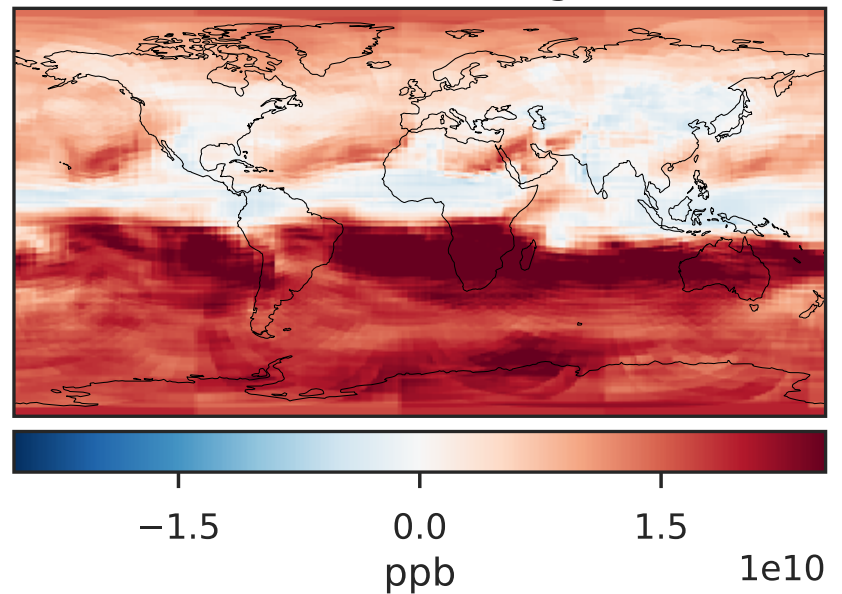
GCHP 14.2.2 using mass flux (Dev)
c30



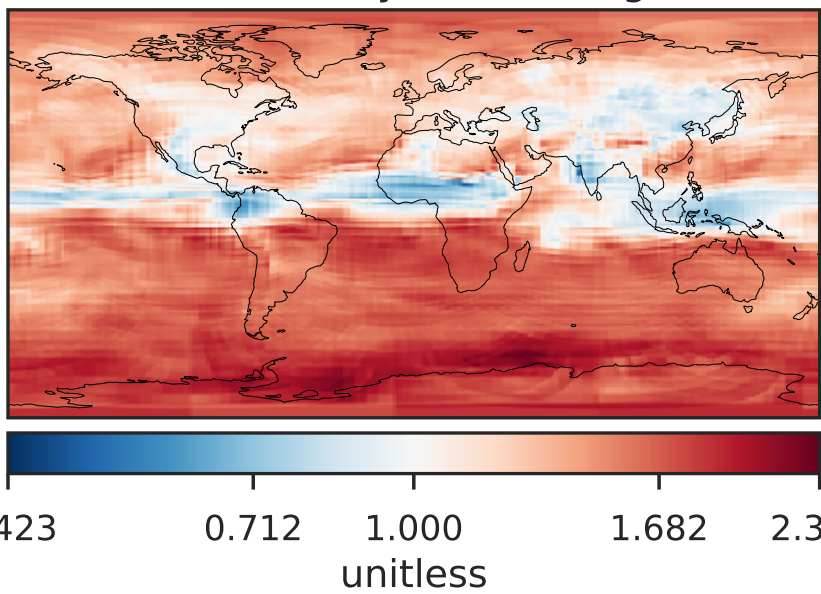
Difference (1x1.25)
Dev - Ref, Dynamic Range



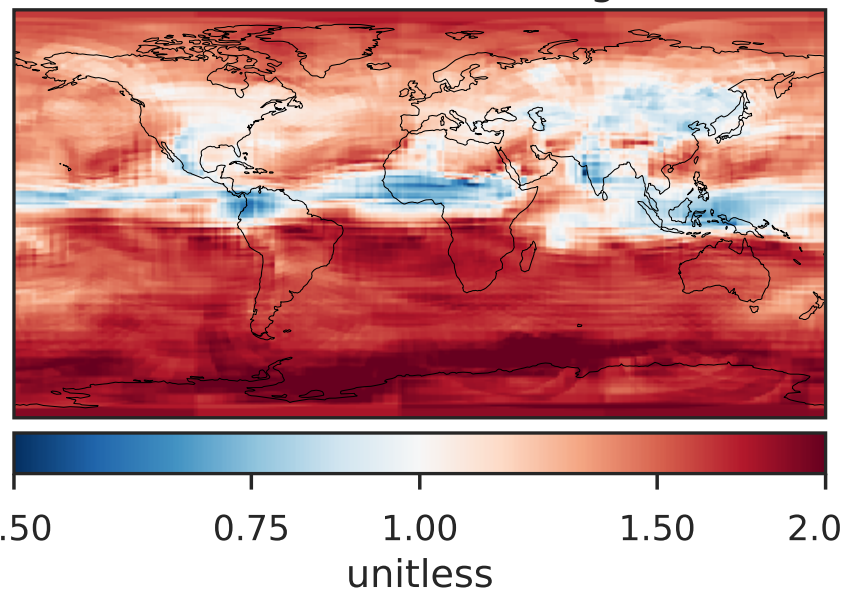
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

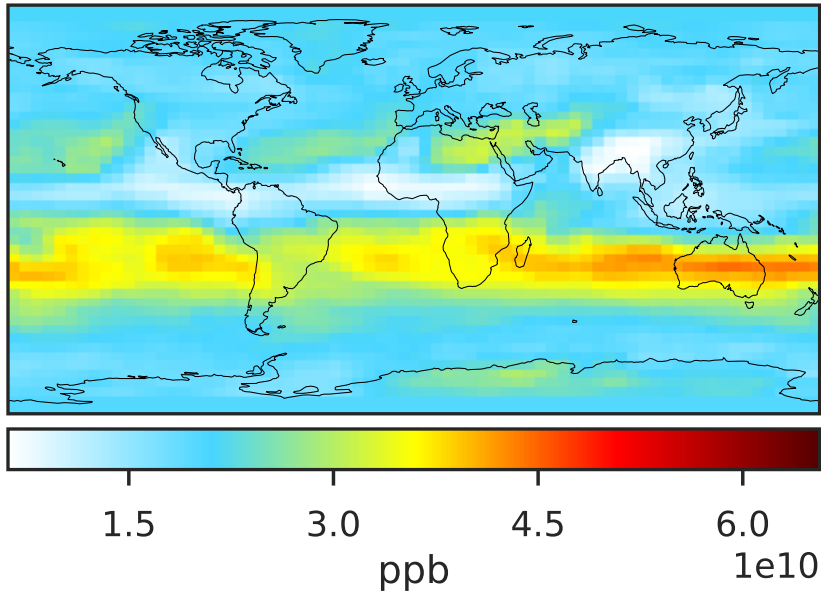


Ratio (1x1.25)
Dev/Ref, Fixed Range

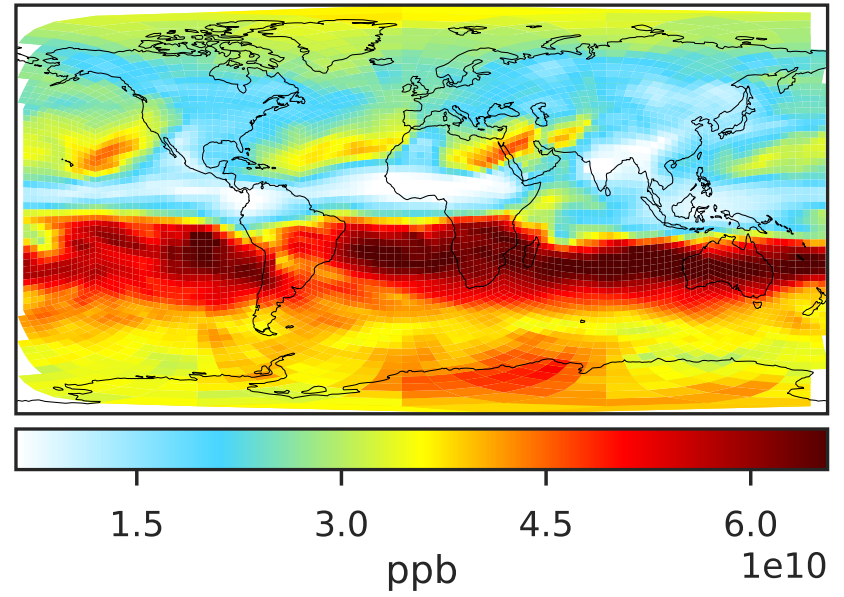


SpeciesConcVV_aoa_bl (Jul2019)

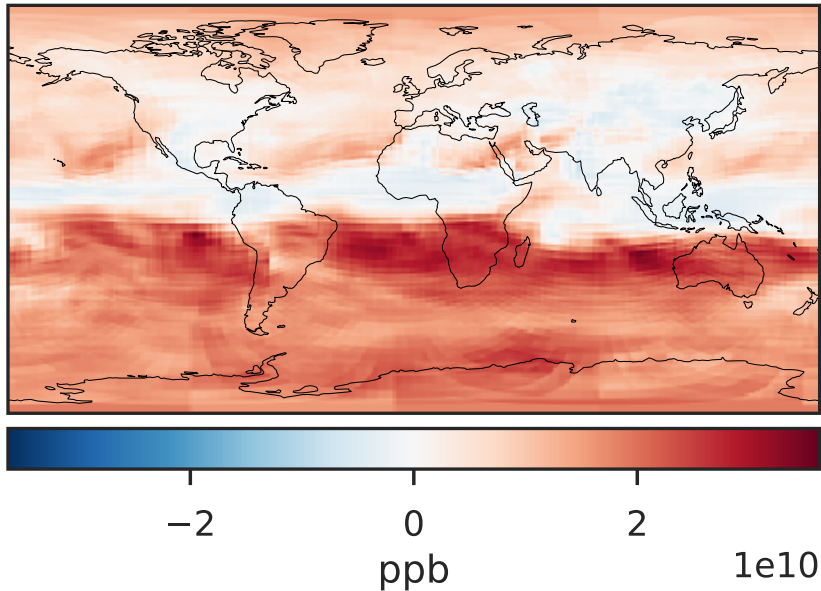
GCC 14.2.2 (Ref)
4.0x5.0



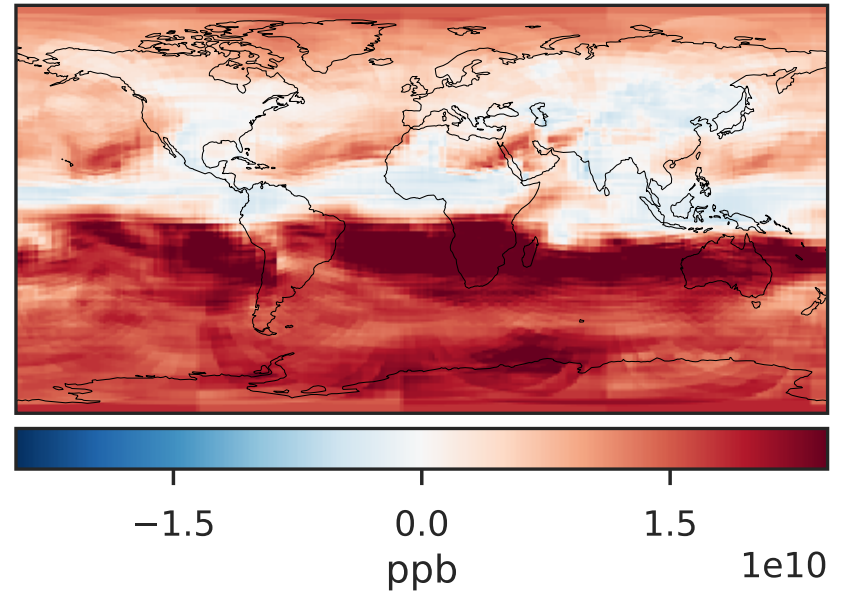
GCHP 14.2.2 using mass flux (Dev)
c30



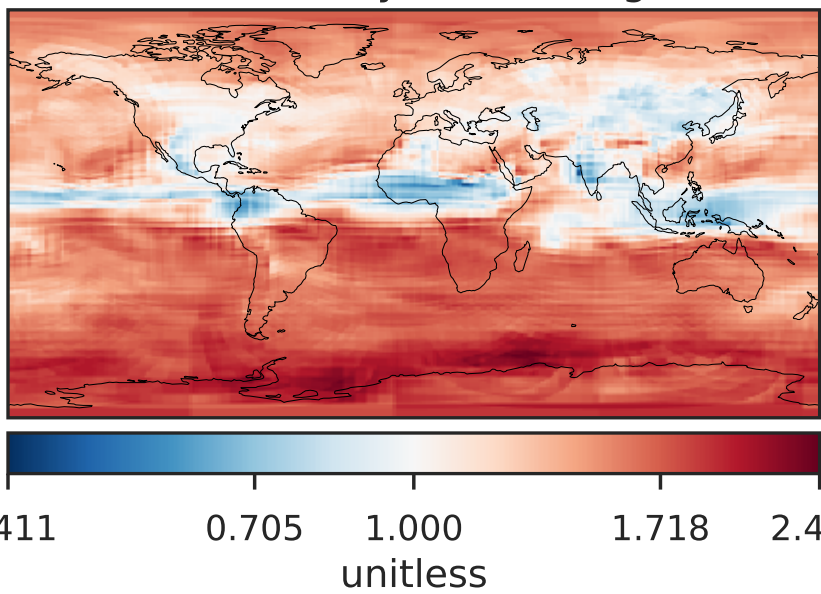
Difference (1x1.25)
Dev - Ref, Dynamic Range



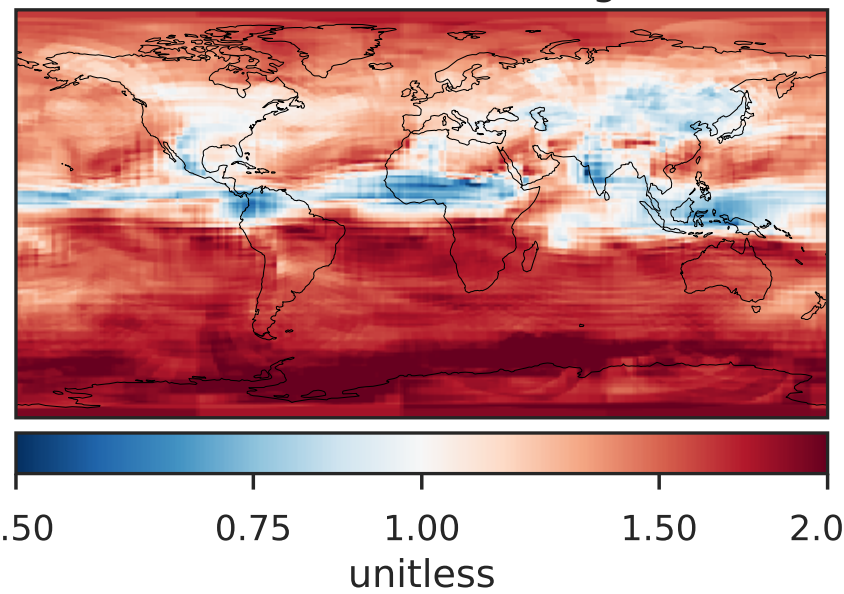
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

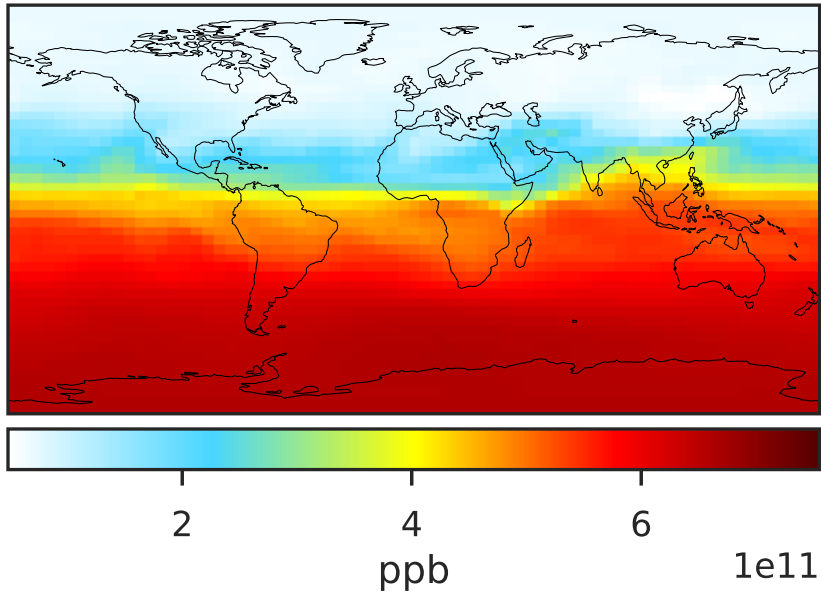


Ratio (1x1.25)
Dev/Ref, Fixed Range

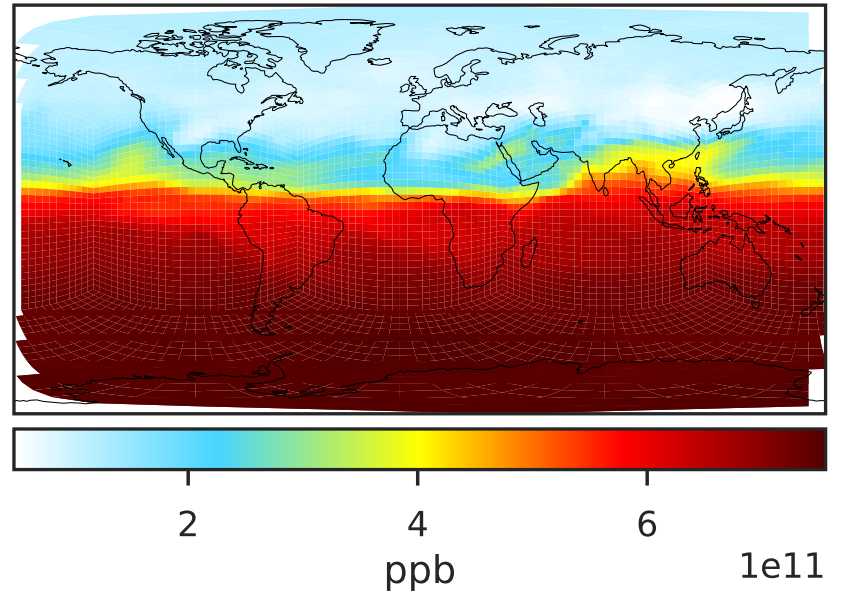


SpeciesConcVV_aoa_nh (Jul2019)

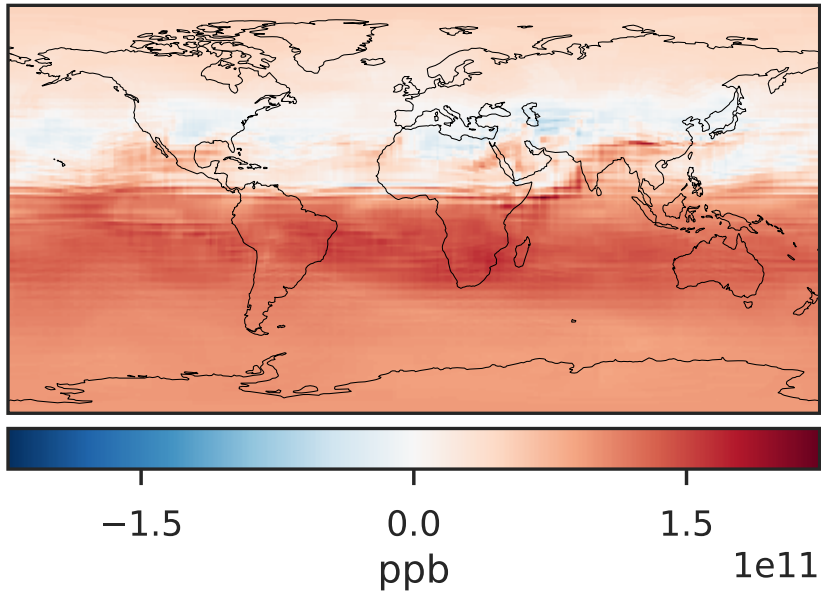
GCC 14.2.2 (Ref)
4.0x5.0



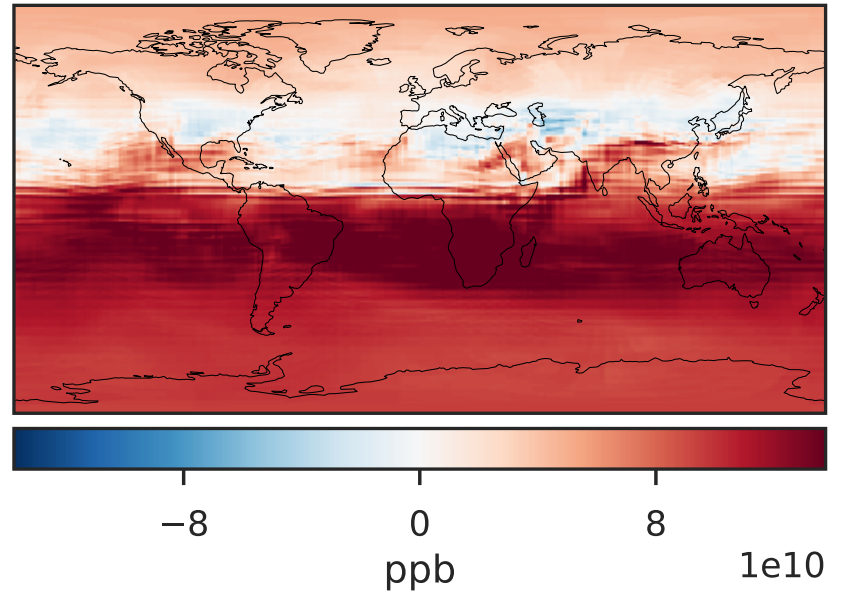
GCHP 14.2.2 using mass flux (Dev)
c30



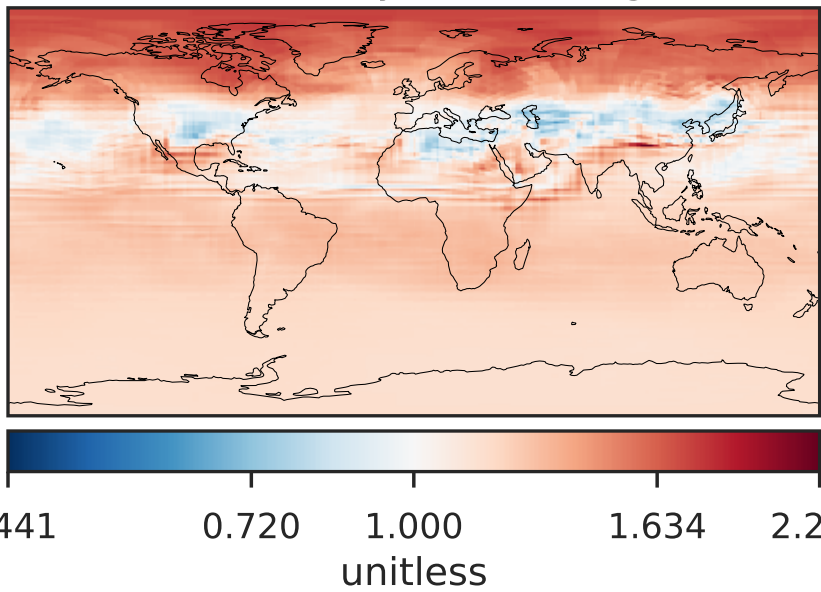
Difference (1x1.25)
Dev - Ref, Dynamic Range



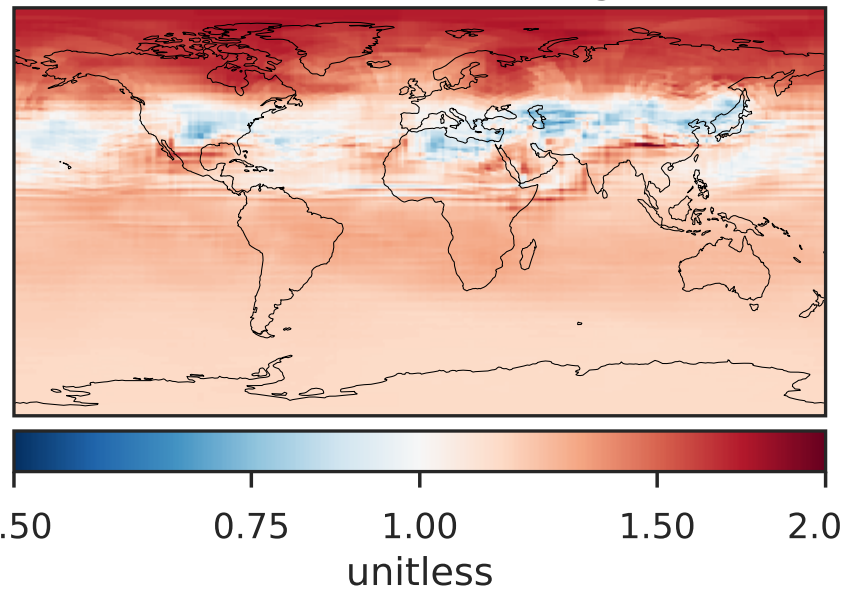
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

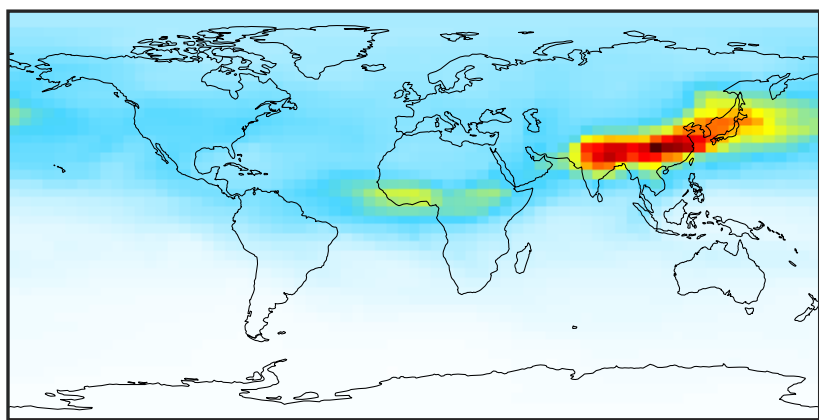


Ratio (1x1.25)
Dev/Ref, Fixed Range



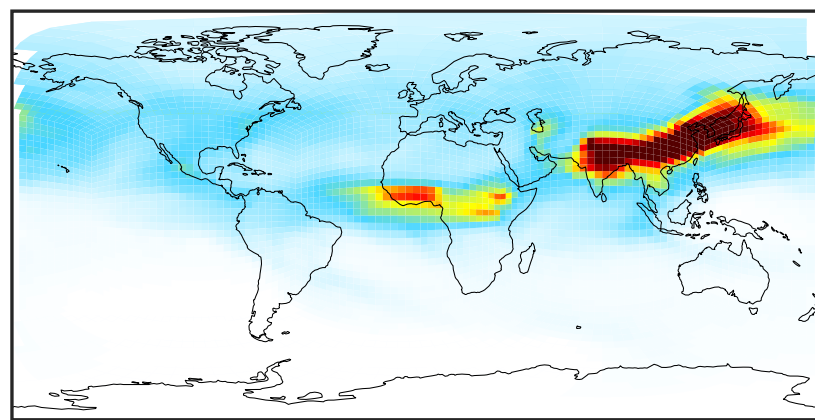
SpeciesConcVV_CO_25 (Jul2019)

GCC 14.2.2 (Ref)
4.0x5.0



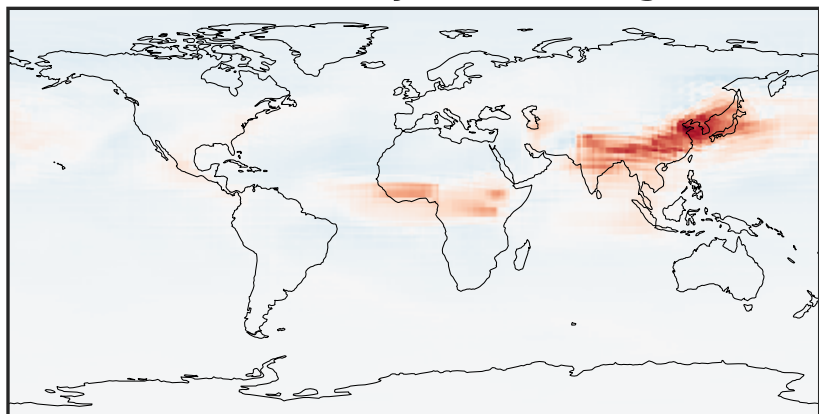
0.71 13.66 26.61 39.55 52.50
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



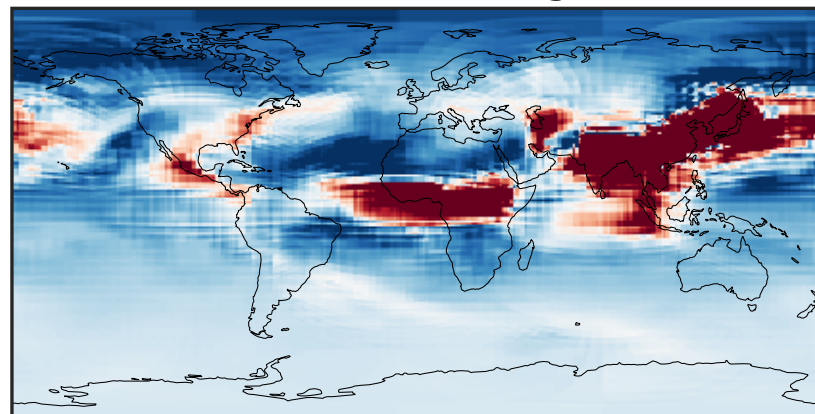
0.71 13.66 26.61 39.55 52.50
ppb

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



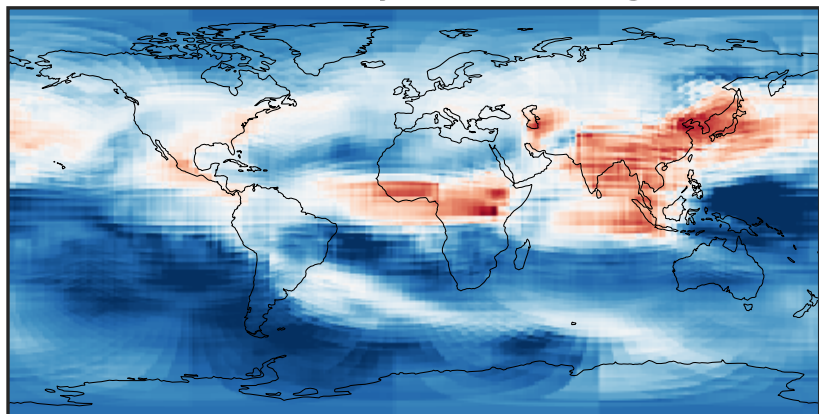
-38.53 -19.26 0.00 19.26 38.53
ppb

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



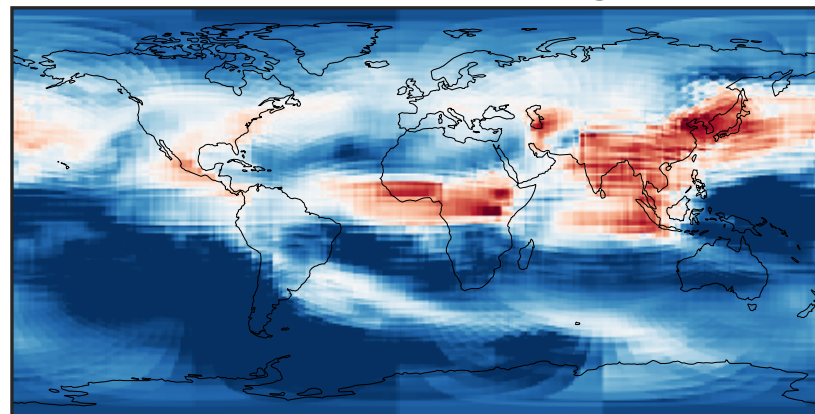
-3.476 -1.738 0.000 1.738 3.476
ppb

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



0.431 0.715 1.000 1.660 2.321
unitless

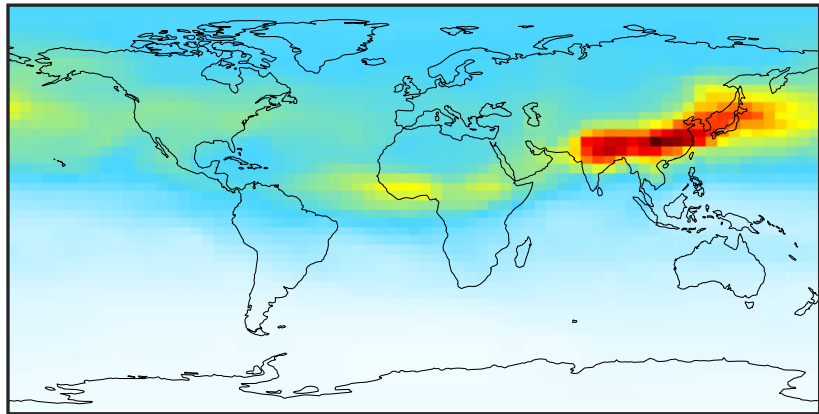
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

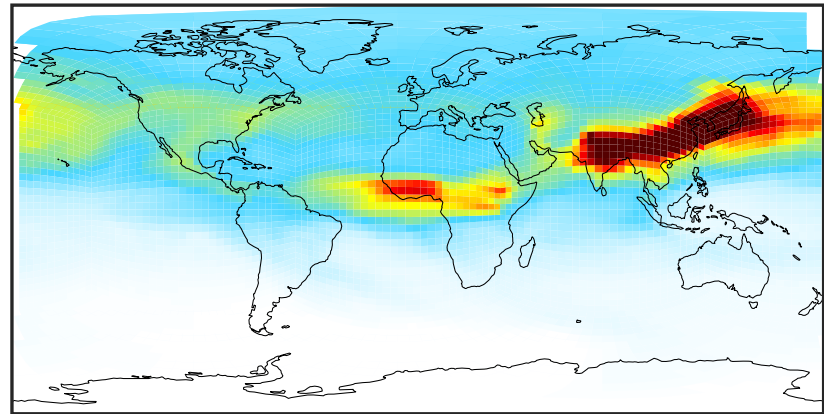
SpeciesConcVV_CO_50 (Jul2019)

GCC 14.2.2 (Ref)
4.0x5.0



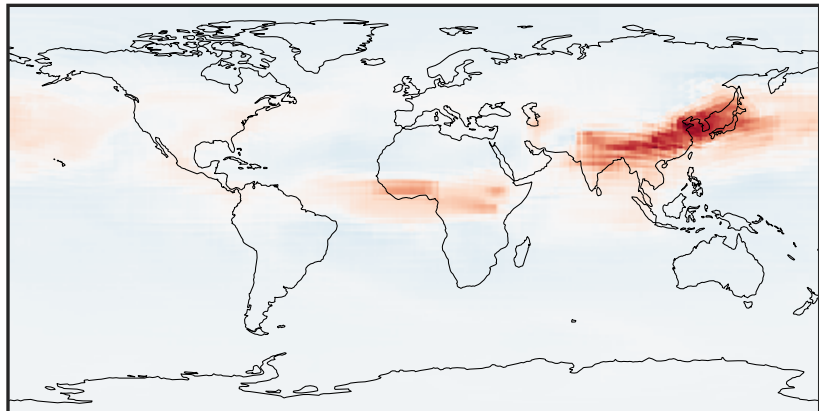
2.42 19.10 35.79 52.47 69.16
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



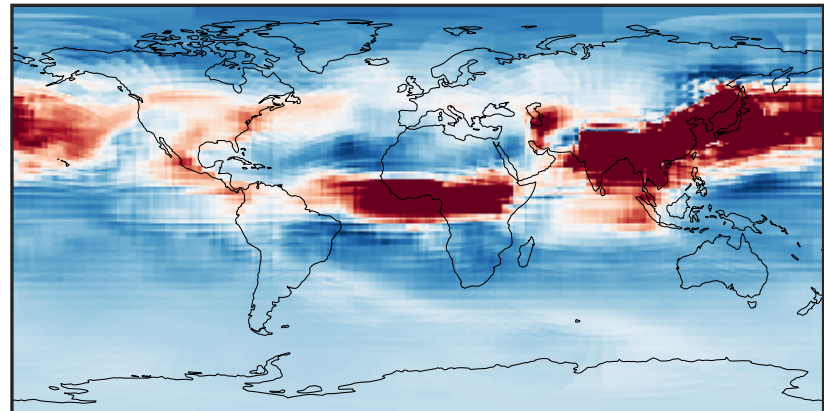
2.42 19.10 35.79 52.47 69.16
ppb

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



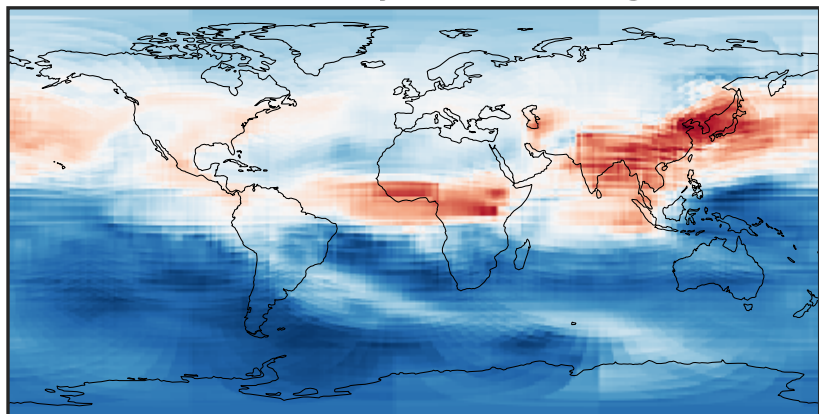
-49.53 -24.77 0.00 24.77 49.53
ppb

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



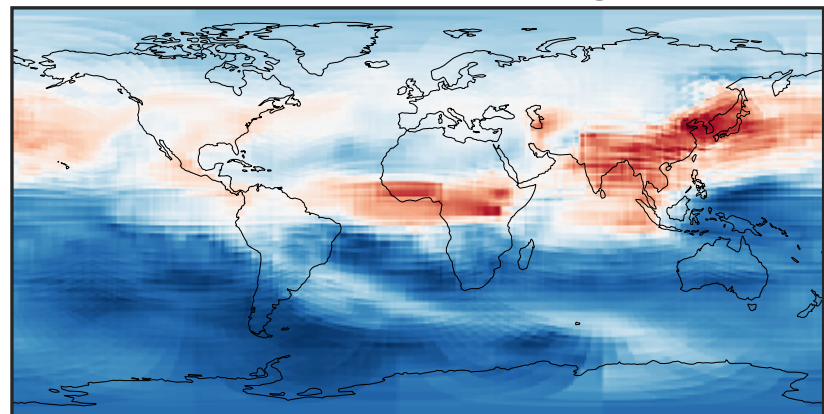
-6.4 -3.2 0.0 3.2 6.4
ppb

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



0.494 0.747 1.000 1.512 2.024
unitless

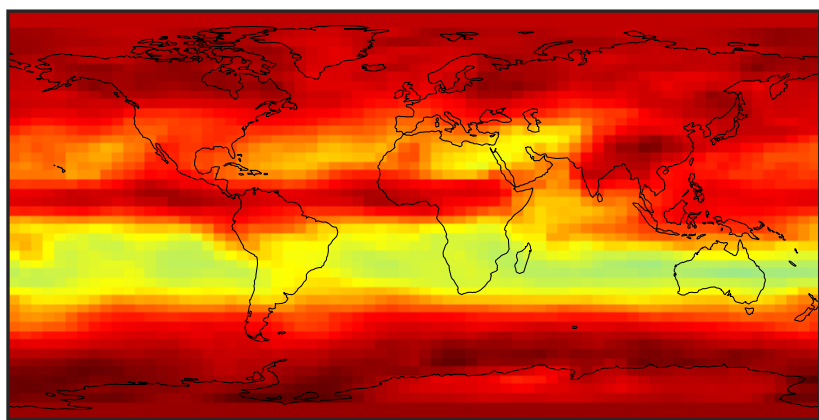
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

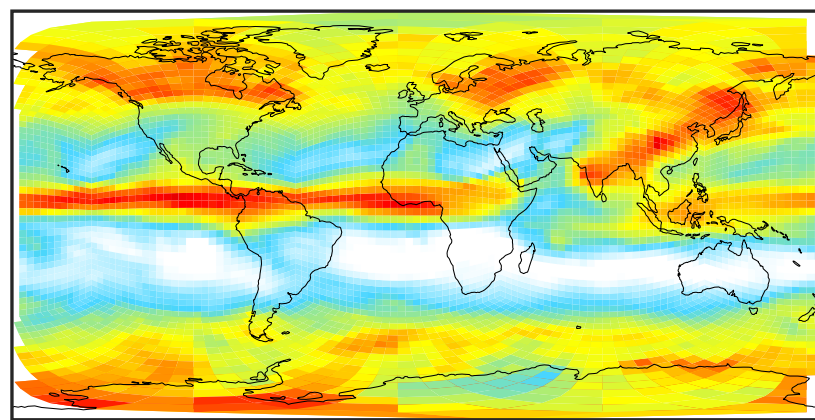
SpeciesConcVV_e90 (Jul2019)

GCC 14.2.2 (Ref)
4.0x5.0



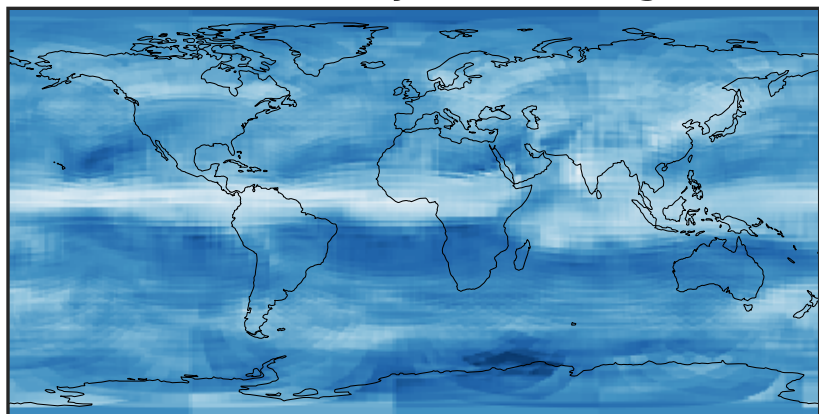
48.93 58.06 67.19 76.32 85.45
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



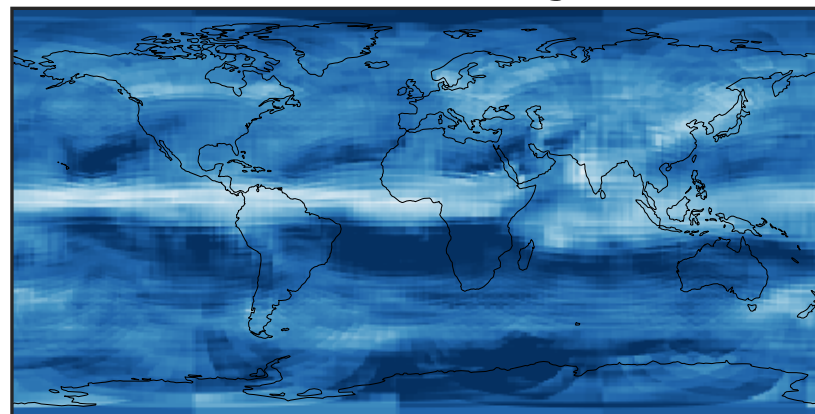
48.93 58.06 67.19 76.32 85.45
ppb

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



-21.2 -10.6 0.0 10.6 21.2
ppb

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



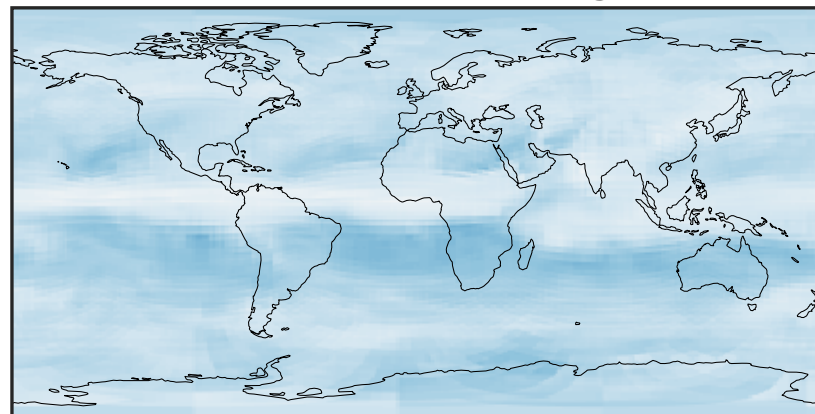
-16.25 -8.13 0.00 8.13 16.25
ppb

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



0.97759 0.98879 1.00000 1.01146 1.02293
unitless

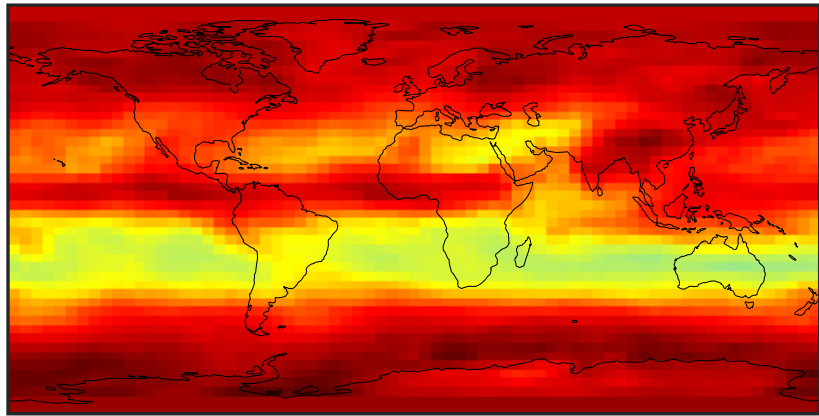
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

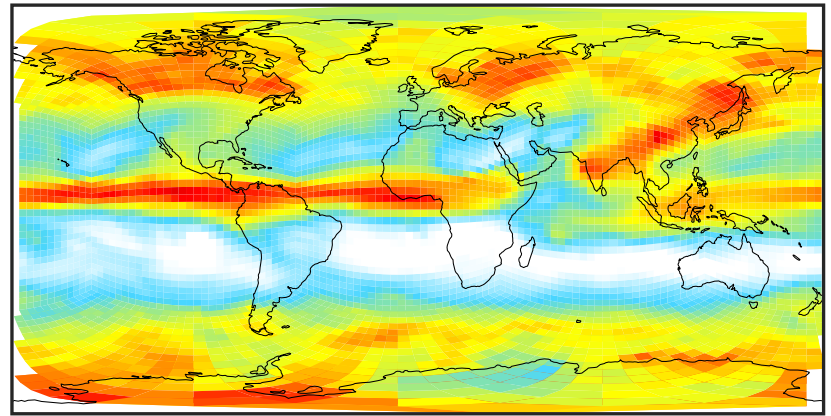
SpeciesConcVV_e90_n (Jul2019)

GCC 14.2.2 (Ref)
4.0x5.0



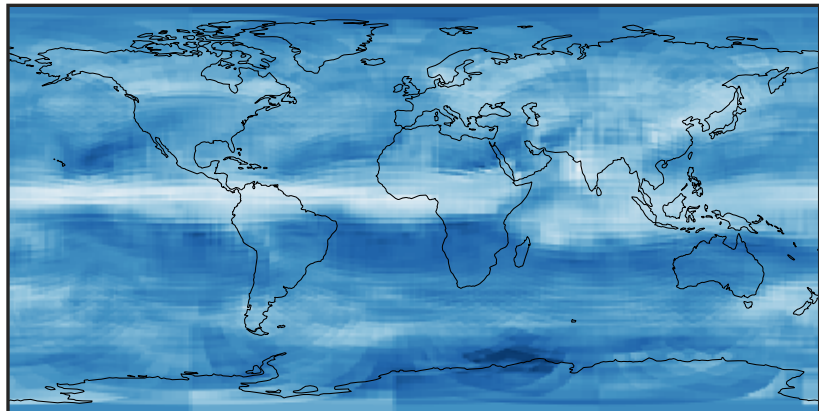
48.93 58.06 67.19 76.32 85.45
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



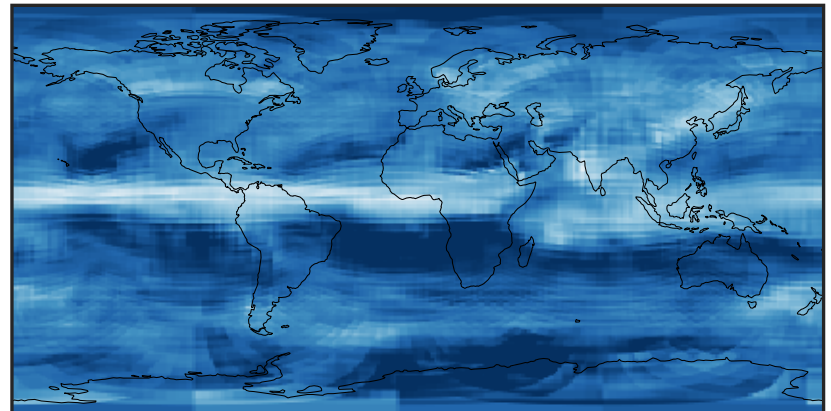
48.93 58.06 67.19 76.32 85.45
ppb

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



-21.2 -10.6 0.0 10.6 21.2
ppb

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



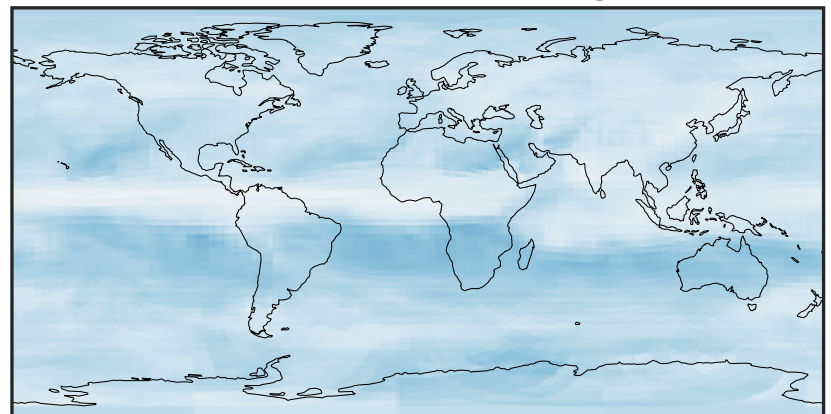
-16.25 -8.13 0.00 8.13 16.25
ppb

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



0.97759 0.98879 1.00000 1.01146 1.02293
unitless

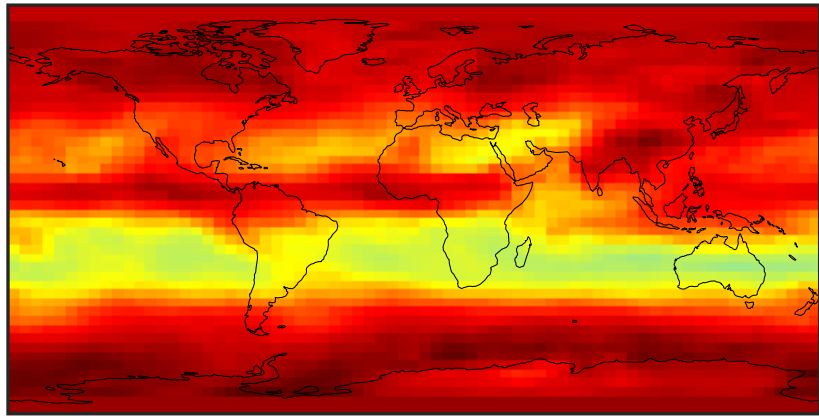
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

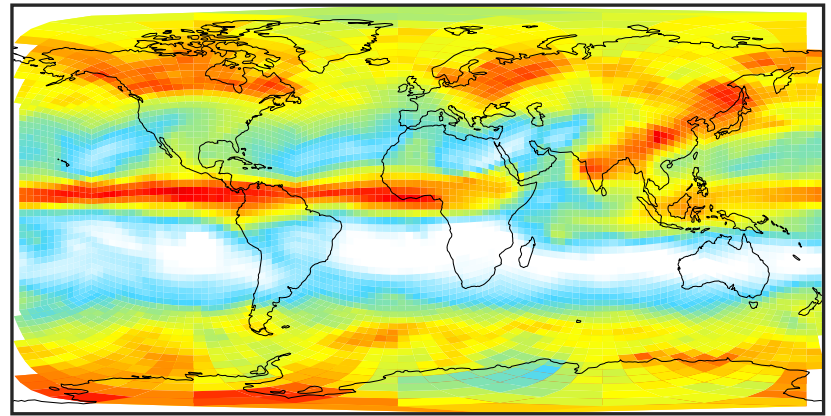
SpeciesConcVV_e90_s (Jul2019)

GCC 14.2.2 (Ref)
4.0x5.0



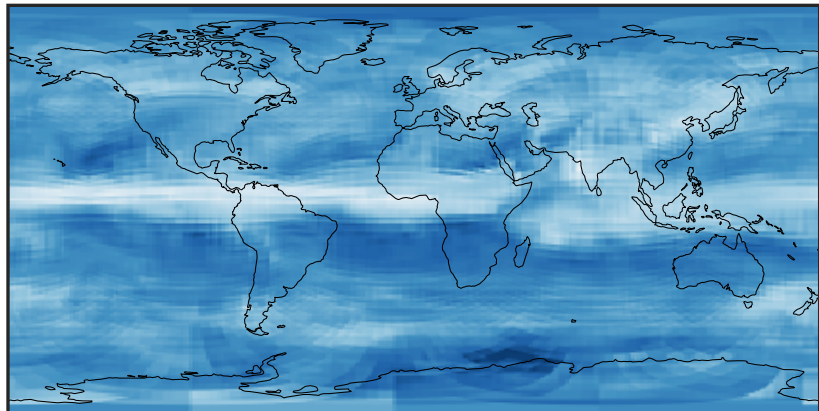
48.93 58.06 67.19 76.32 85.45
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



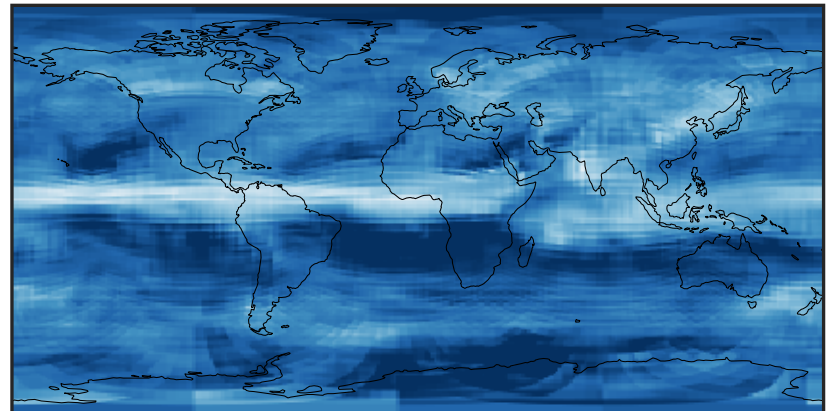
48.93 58.06 67.19 76.32 85.45
ppb

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



-21.2 -10.6 0.0 10.6 21.2
ppb

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



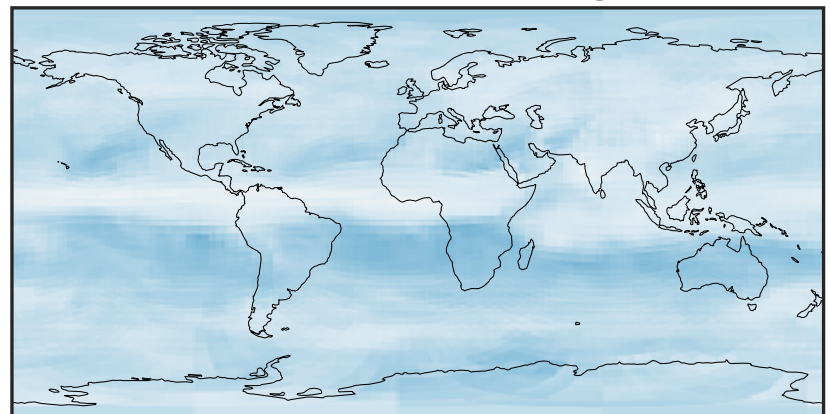
-16.25 -8.13 0.00 8.13 16.25
ppb

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



0.97759 0.98879 1.00000 1.01146 1.02293
unitless

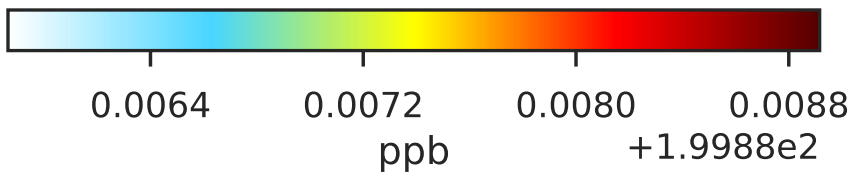
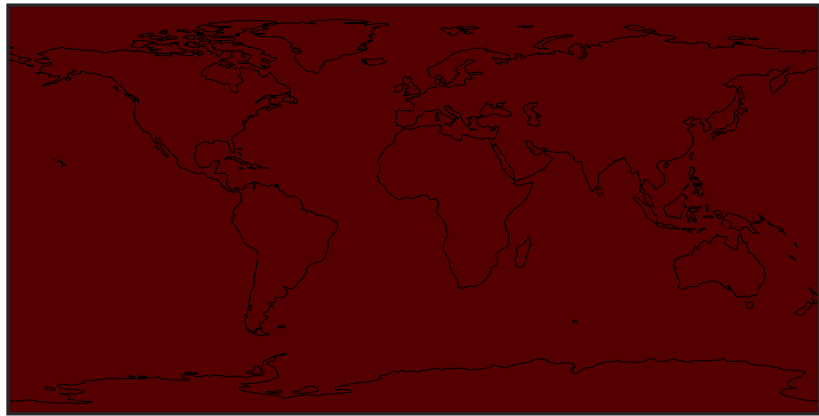
Ratio (1x1.25)
Dev/Ref, Fixed Range



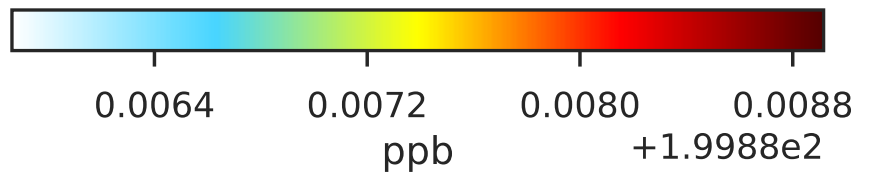
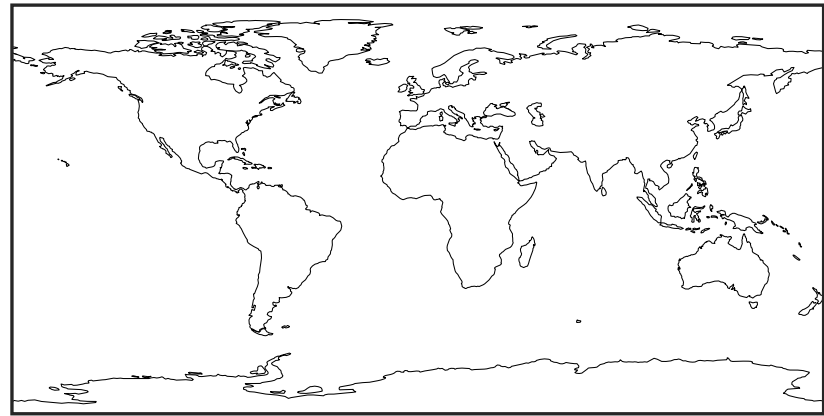
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_st80_25 (Jul2019)

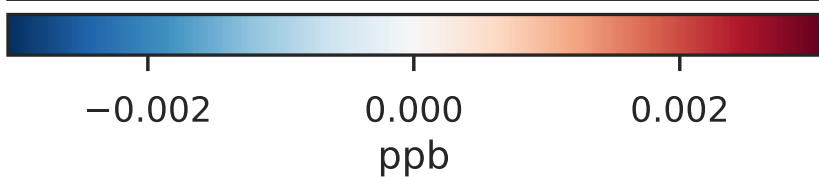
GCC 14.2.2 (Ref)
4.0x5.0



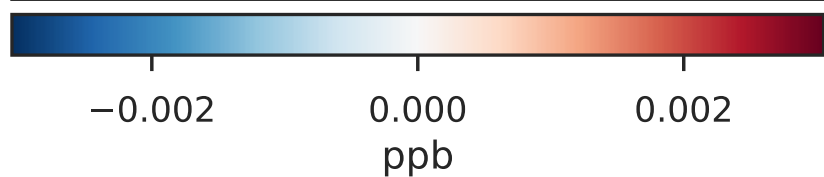
GCHP 14.2.2 using mass flux (Dev)
c30



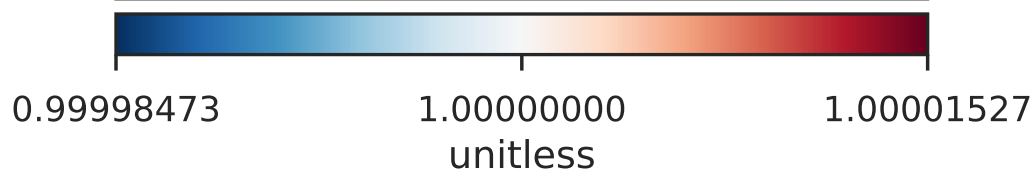
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

