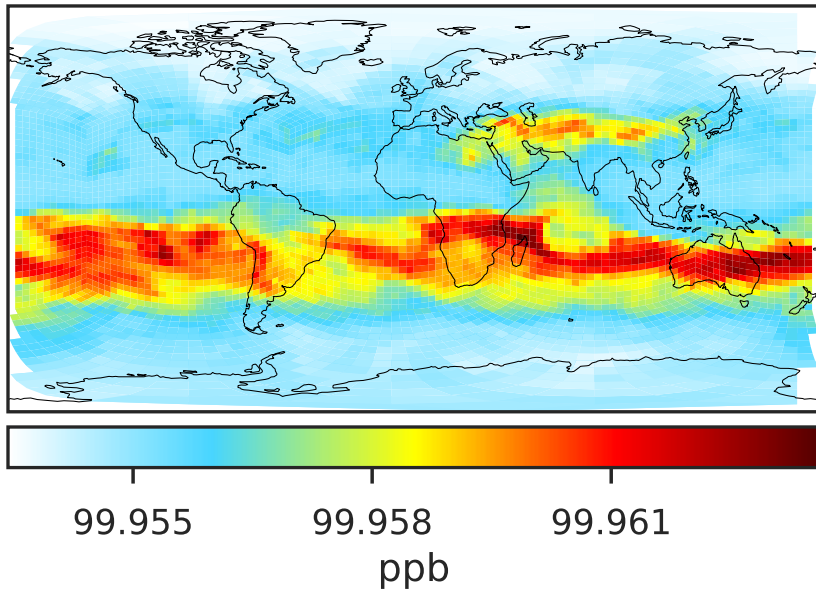
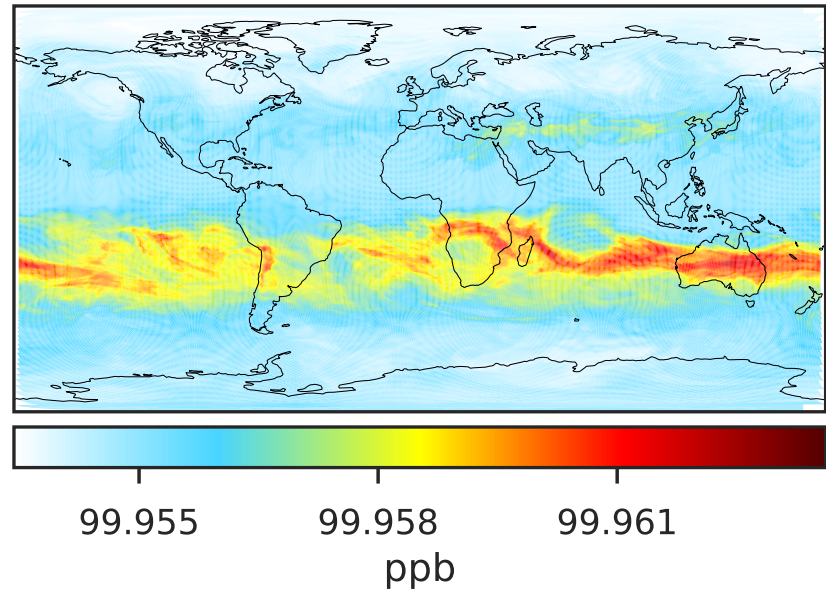


SpeciesConcVV_PassiveTracer (Jul2019)

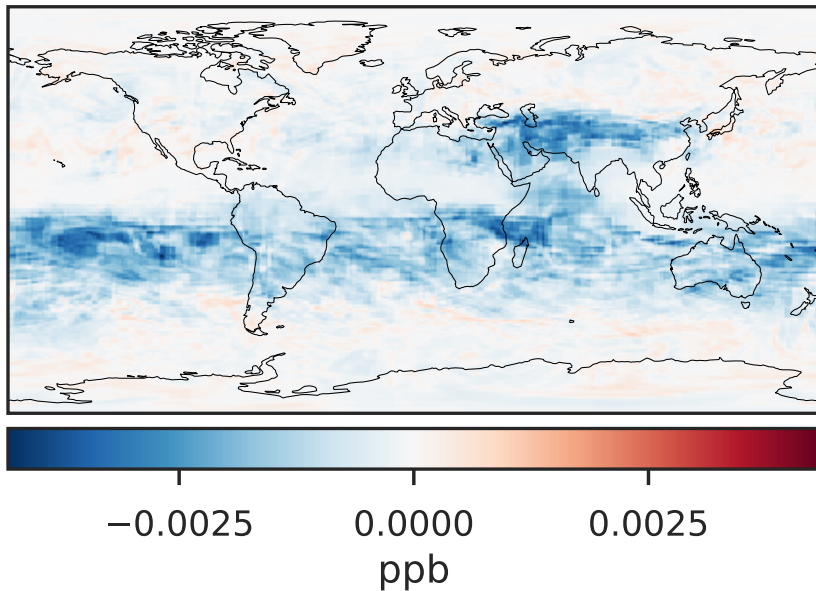
GCHP 14.2.2 using wind (c30) (Ref)
c30



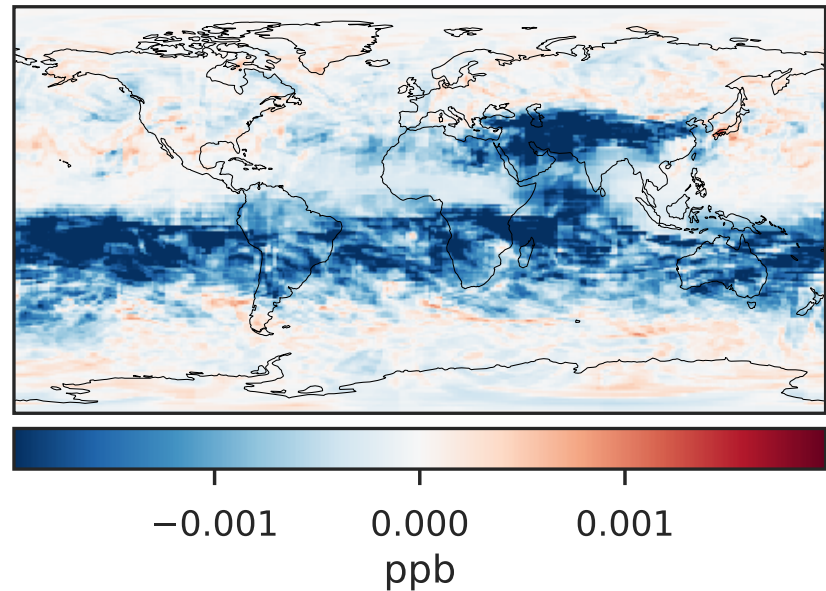
GCHP 14.2.2 using wind (c180) (Dev)
c180



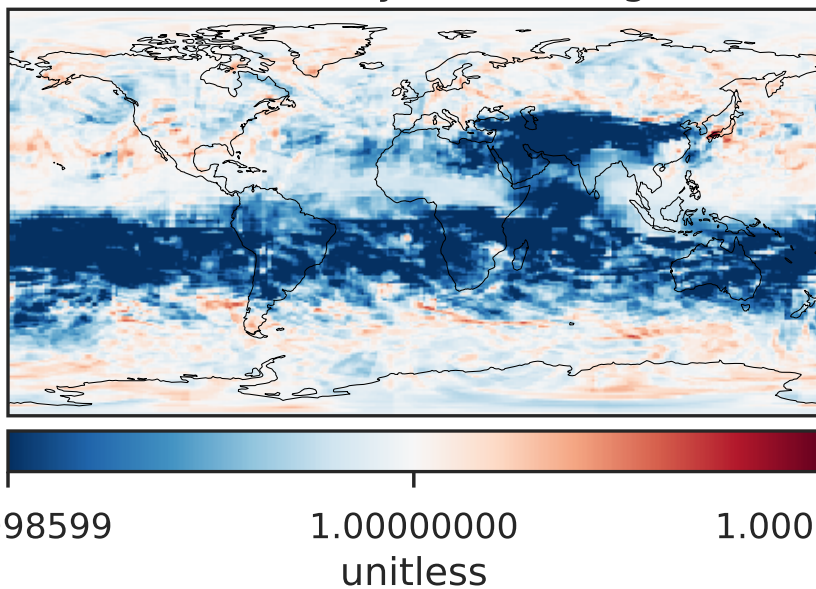
Difference (1x1.25)
Dev - Ref, Dynamic Range



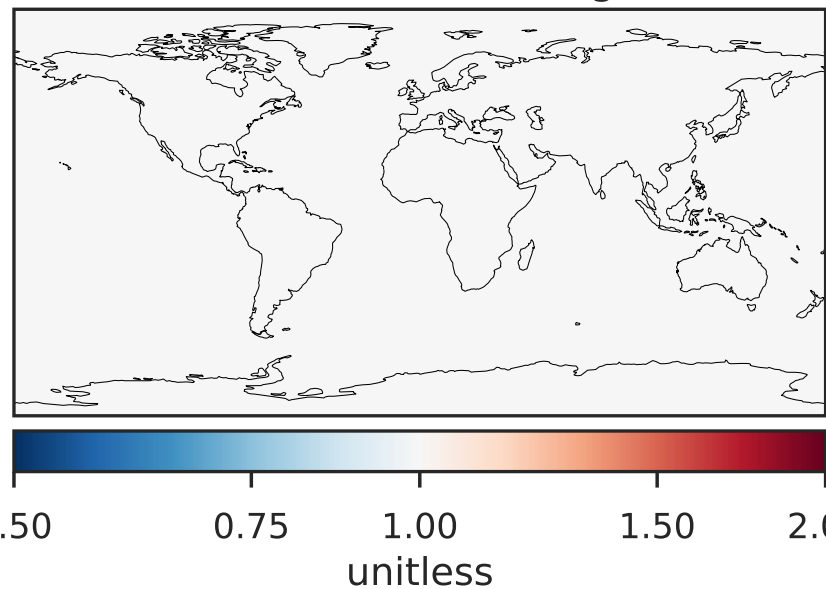
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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



0.99998599

1.0000000

1.00001401

0.50

0.75

1.00

1.50

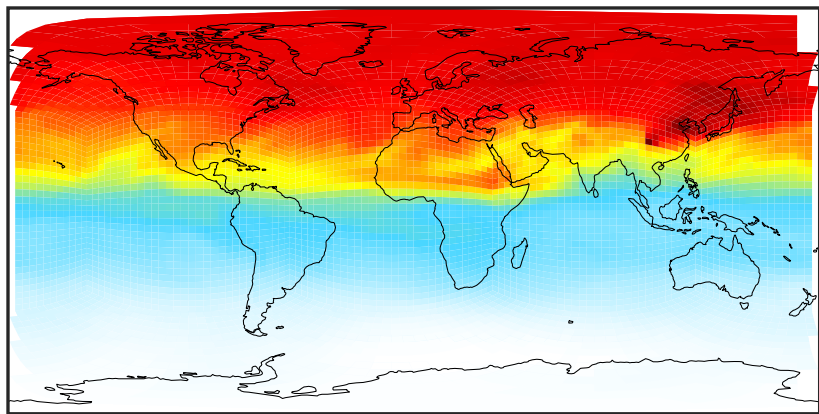
2.00

unitless

unitless

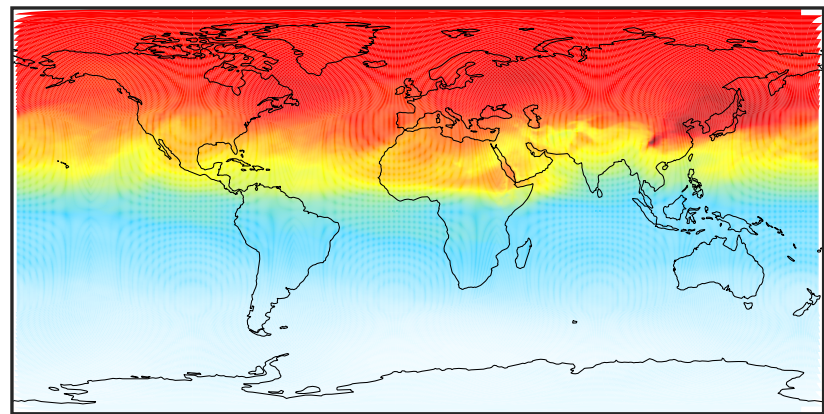
SpeciesConcVV_SF6 (Jul2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



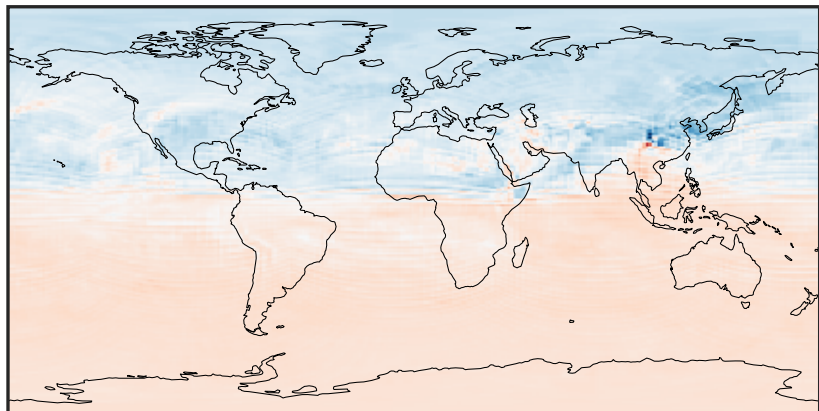
0.00255 0.00270 0.00285 0.00300
ppb

GCHP 14.2.2 using wind (c180) (Dev)
c180



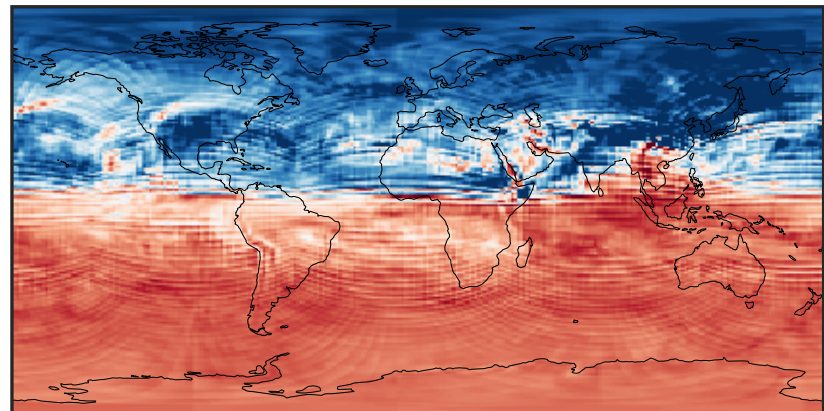
0.00255 0.00270 0.00285 0.00300
ppb

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



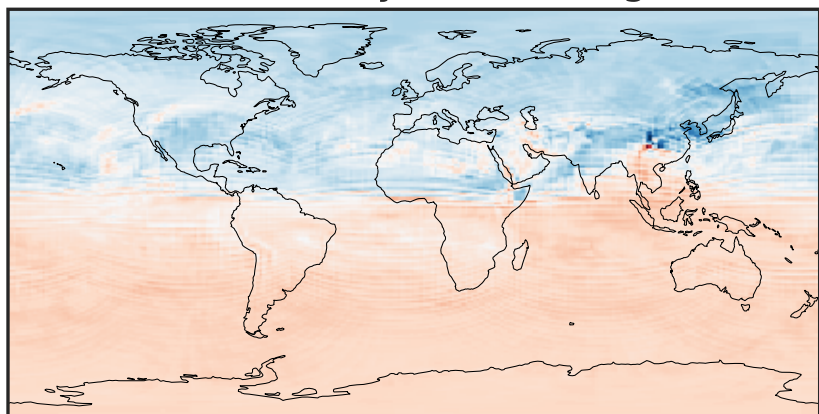
-5 0 5
ppb $1e-5$

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



-1.5 0.0 1.5
ppb $1e-5$

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



0.97665 0.98833 1.00000 1.01195 1.02391
unitless

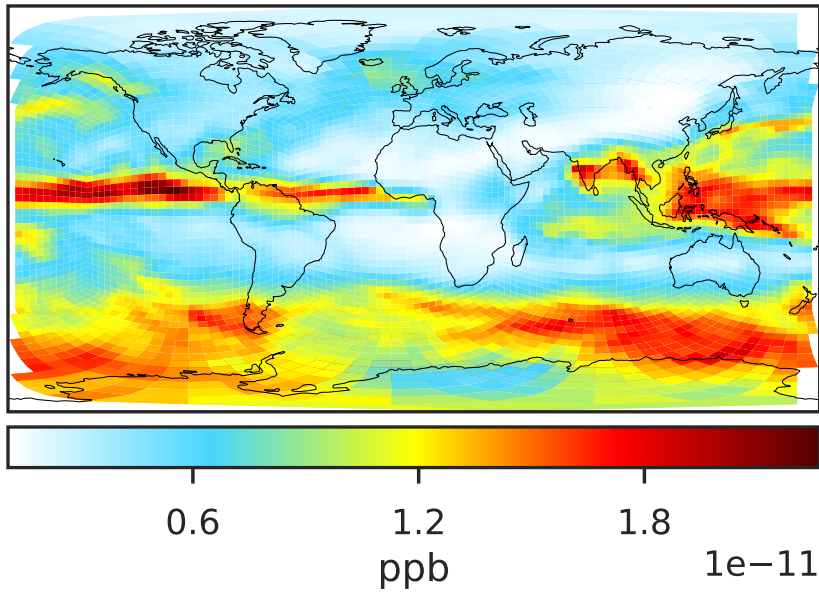
Ratio (1x1.25)
Dev/Ref, Fixed Range



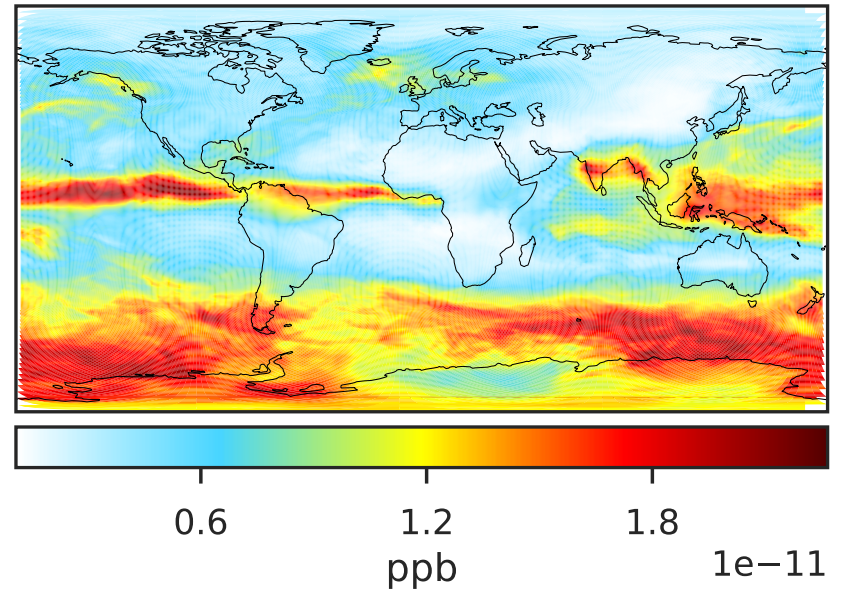
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_CH3I (Jul2019)

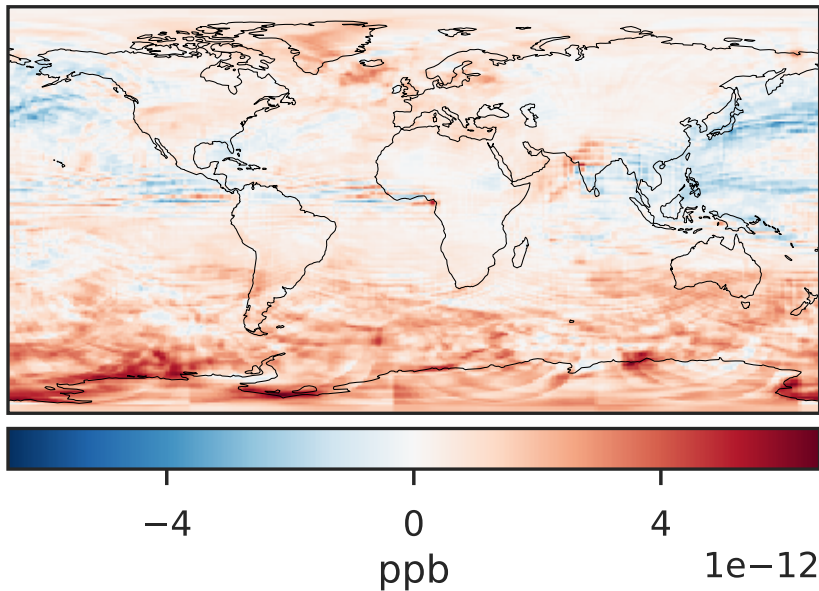
GCHP 14.2.2 using wind (c30) (Ref)
c30



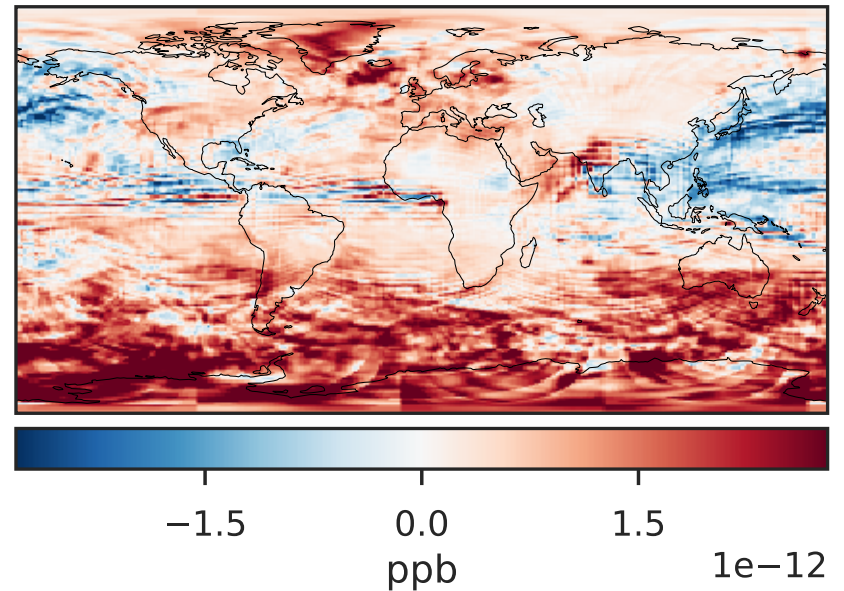
GCHP 14.2.2 using wind (c180) (Dev)
c180



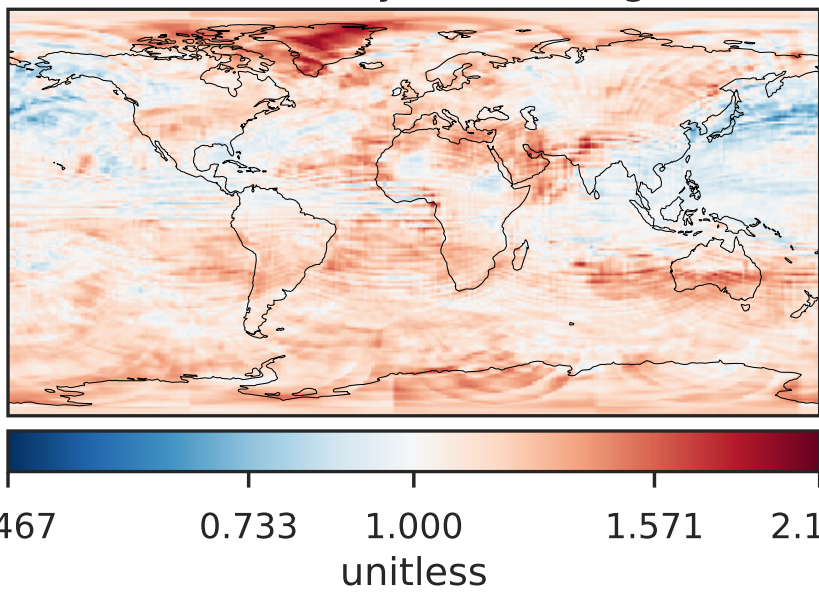
Difference (1x1.25)
Dev - Ref, Dynamic Range



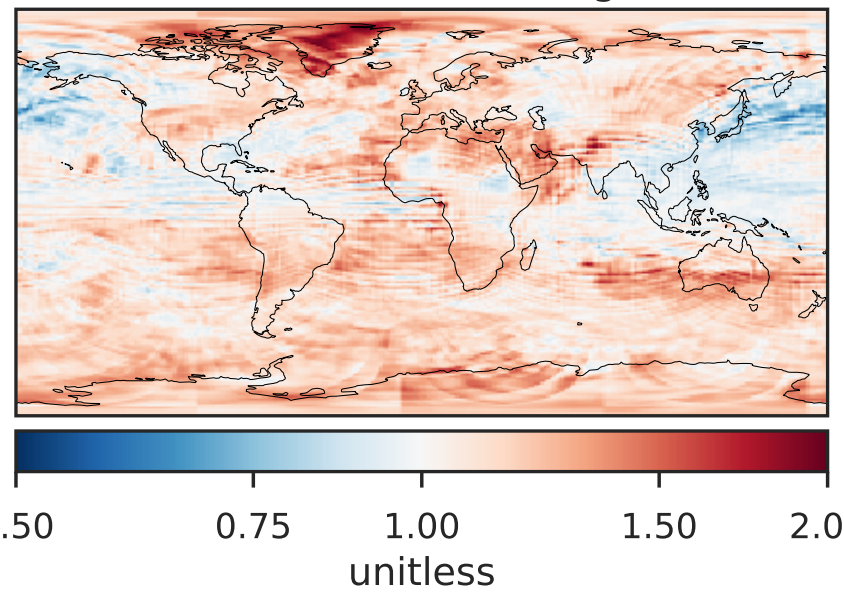
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

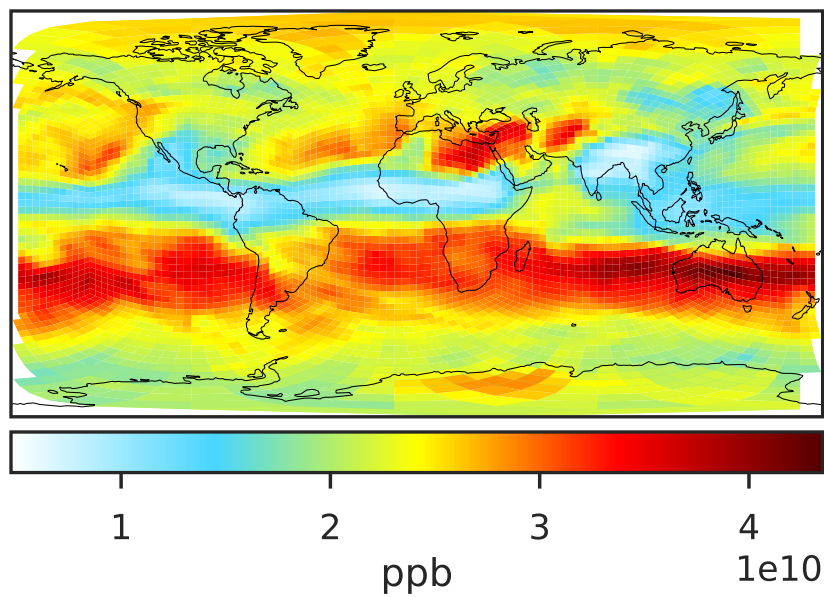


Ratio (1x1.25)
Dev/Ref, Fixed Range

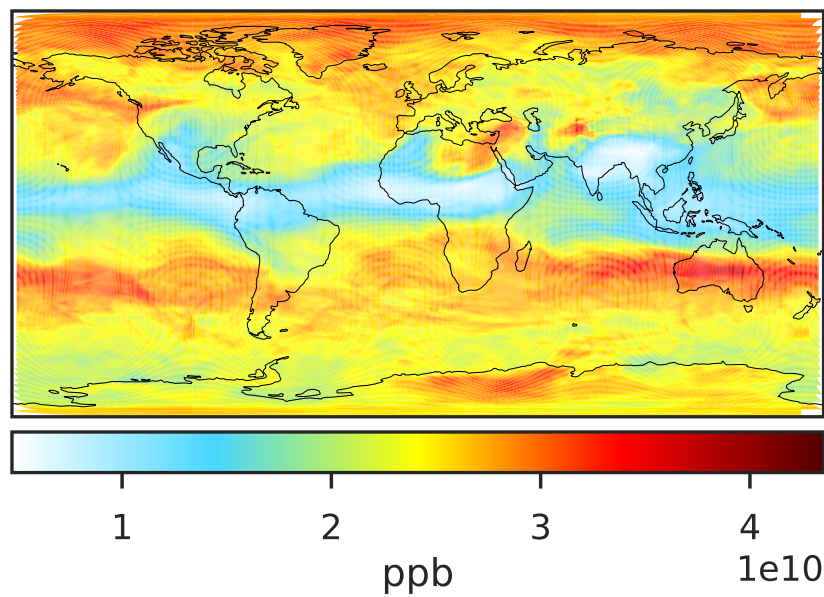


SpeciesConcVV_aoa (Jul2019)

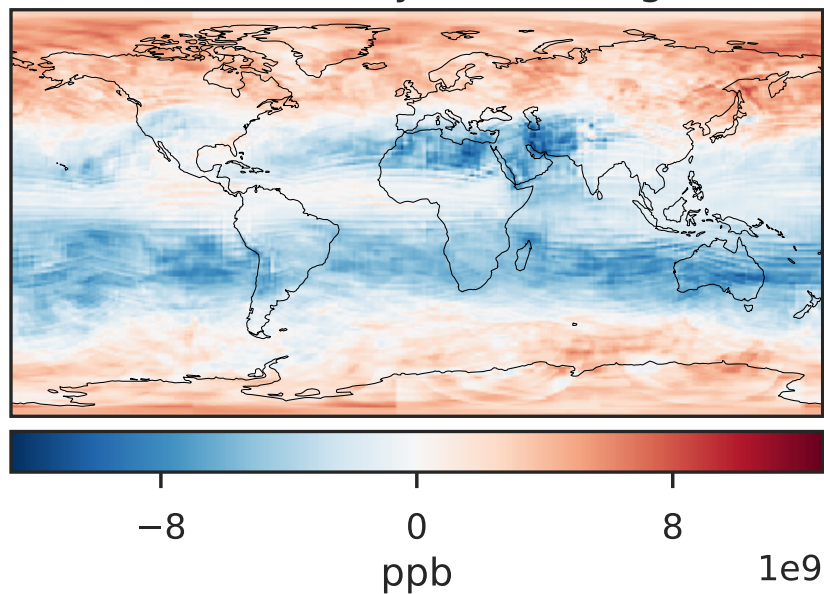
GCHP 14.2.2 using wind (c30) (Ref)
c30



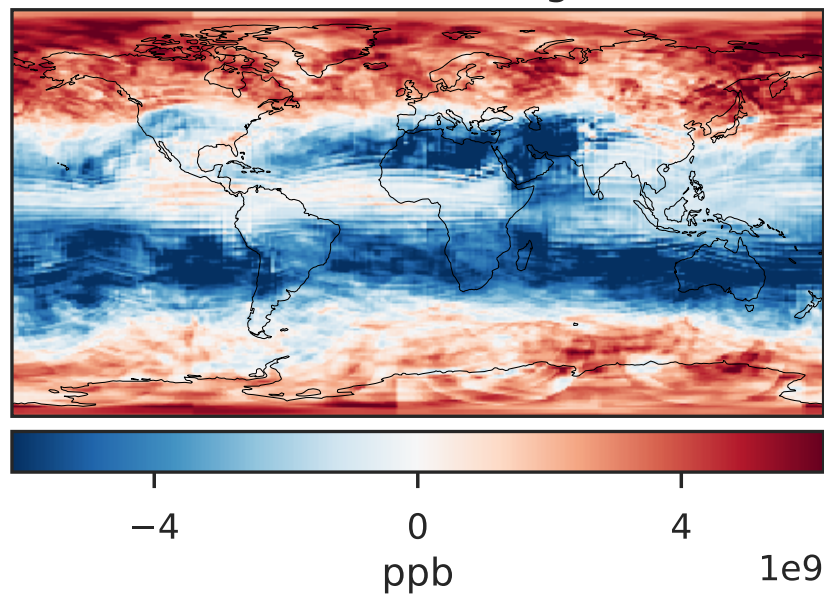
GCHP 14.2.2 using wind (c180) (Dev)
c180



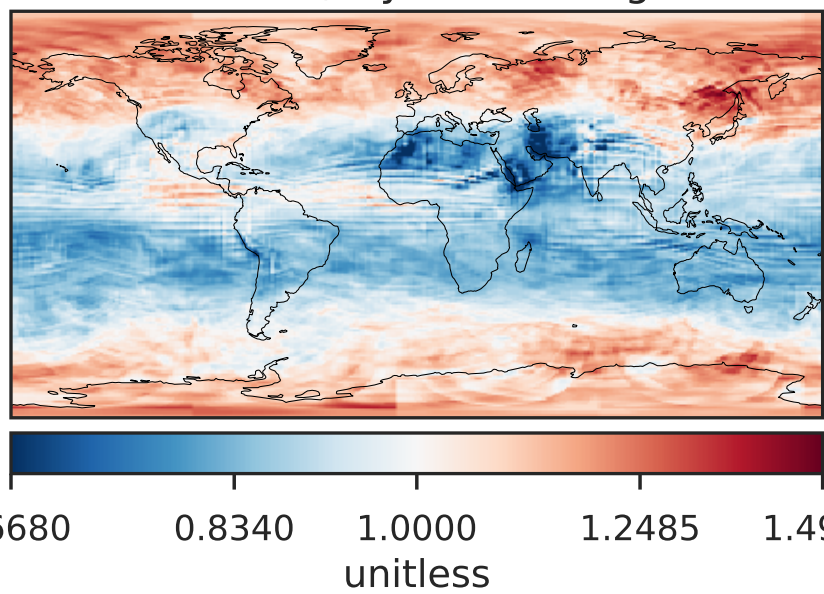
Difference (1x1.25)
Dev - Ref, Dynamic Range



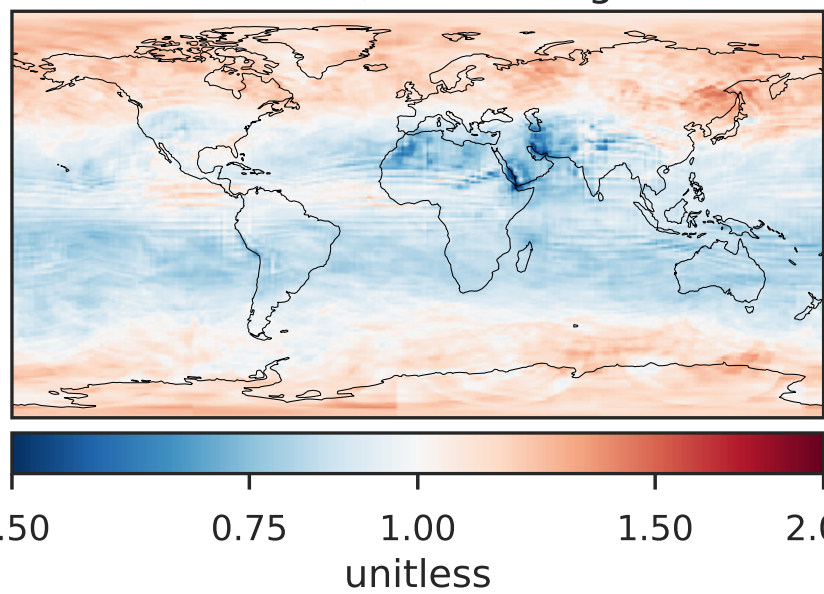
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

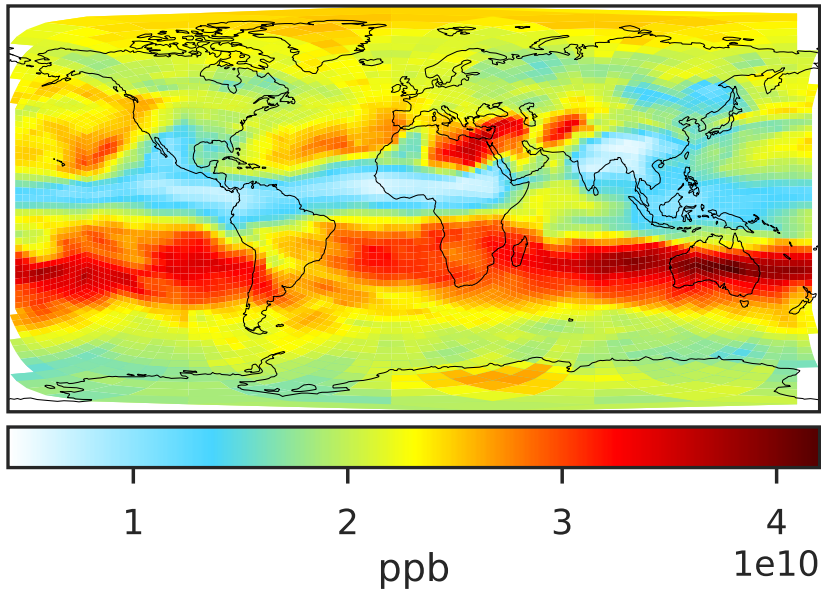


Ratio (1x1.25)
Dev/Ref, Fixed Range

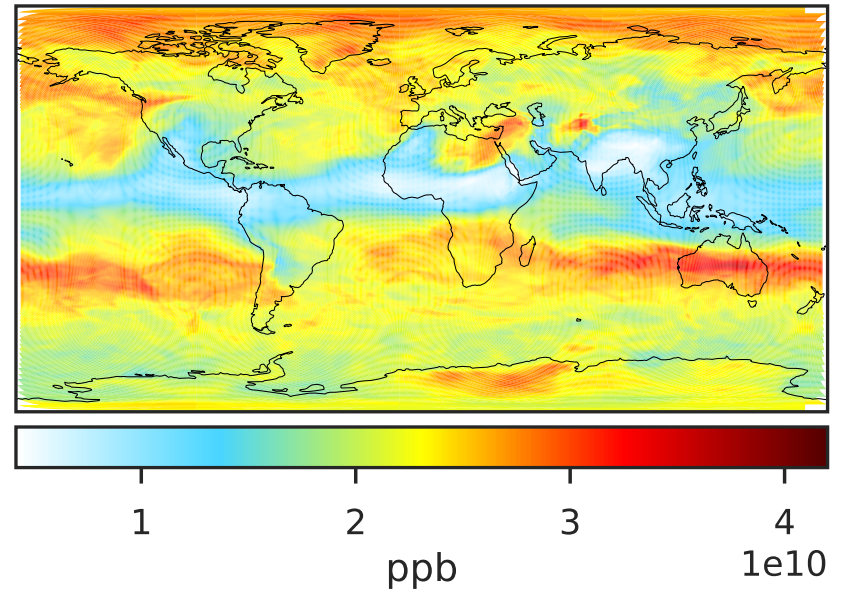


SpeciesConcVV_aoa_bl (Jul2019)

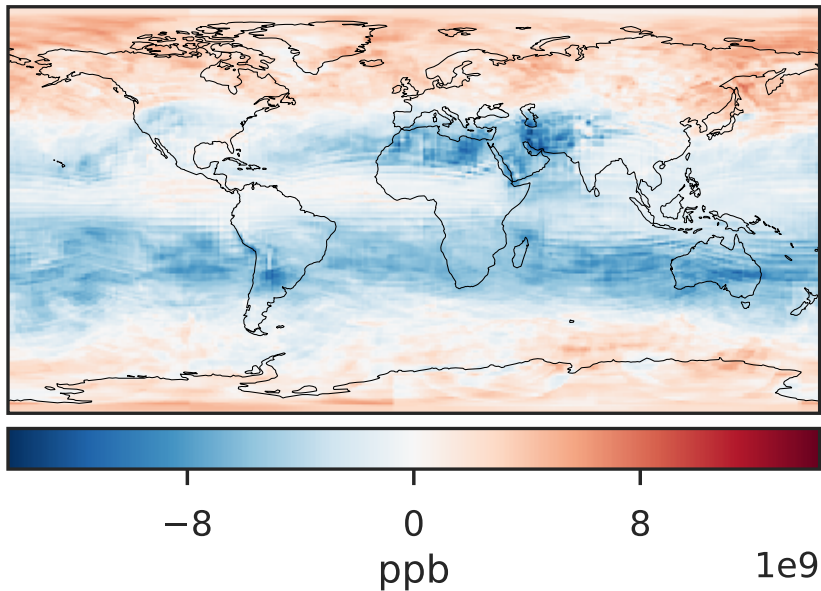
GCHP 14.2.2 using wind (c30) (Ref)
c30



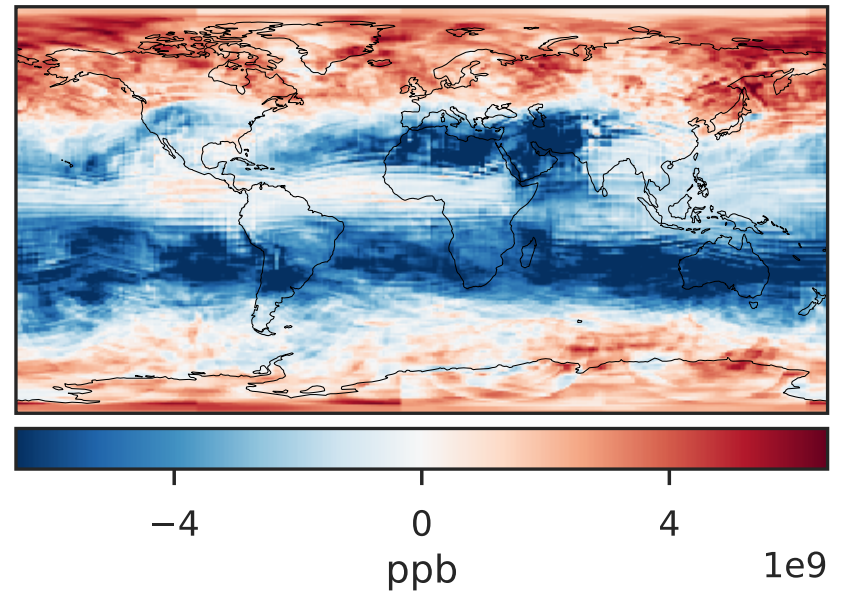
GCHP 14.2.2 using wind (c180) (Dev)
c180



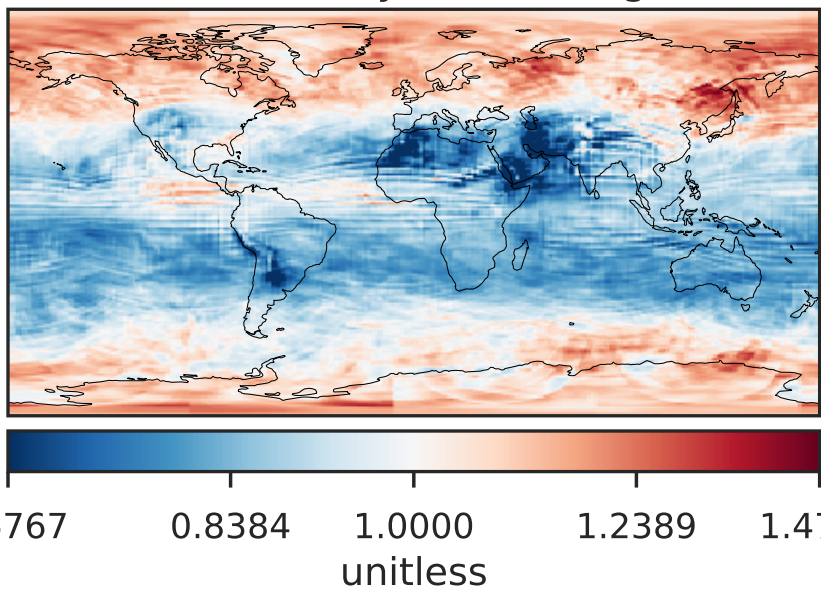
Difference (1x1.25)
Dev - Ref, Dynamic Range



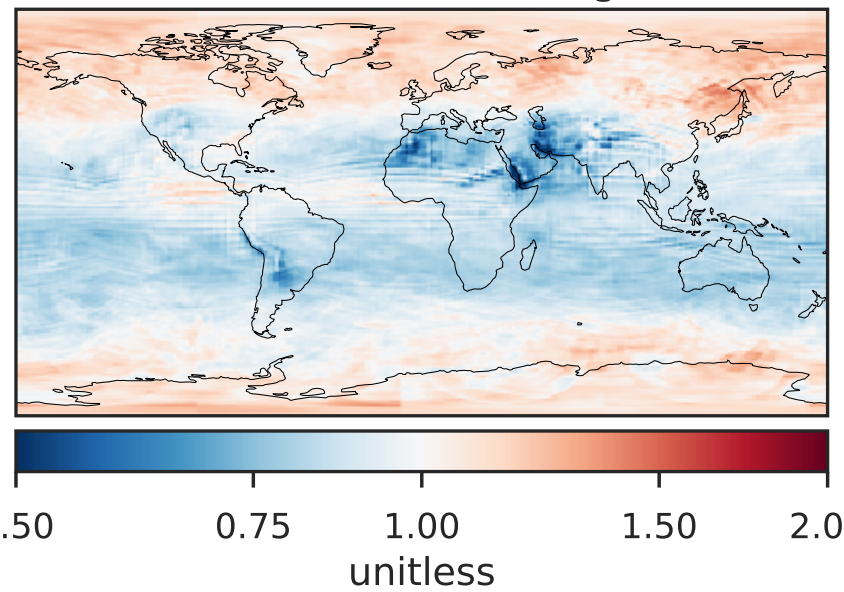
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

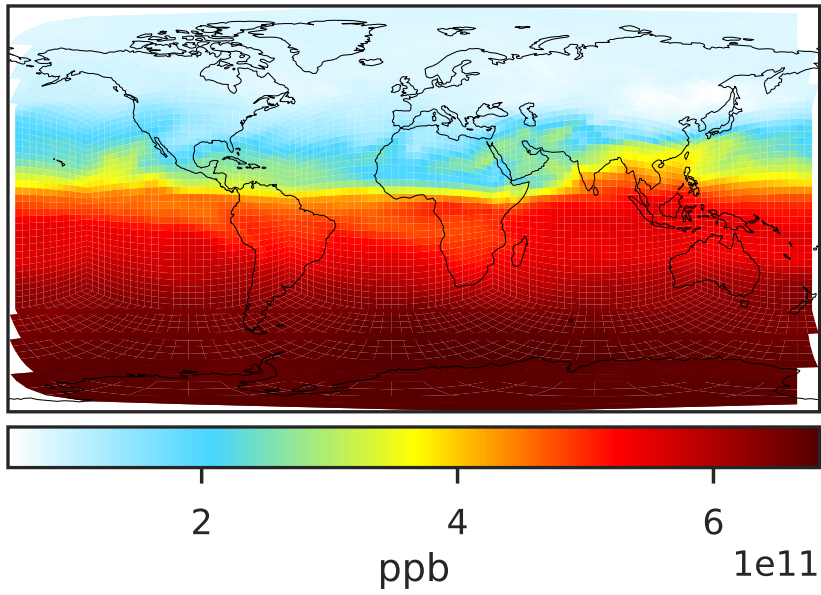


Ratio (1x1.25)
Dev/Ref, Fixed Range

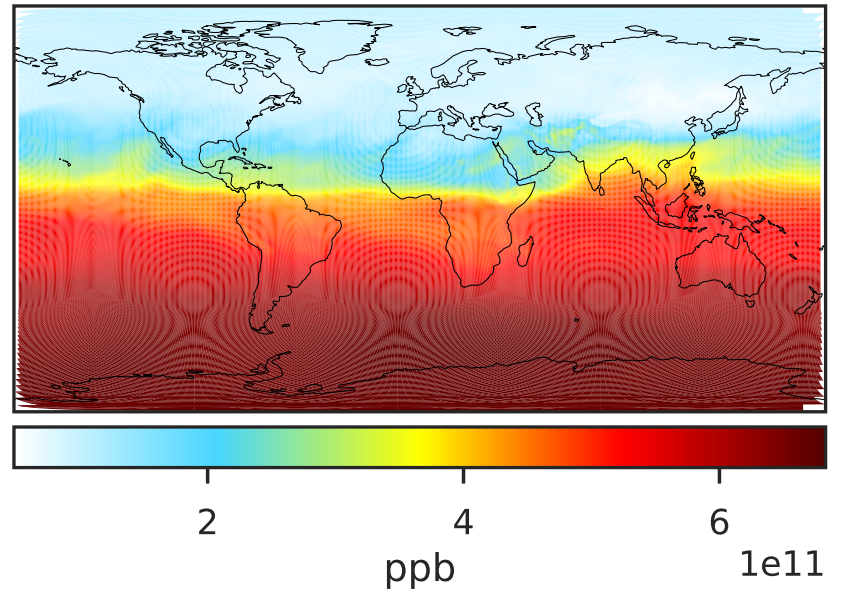


SpeciesConcVV_aoa_nh (Jul2019)

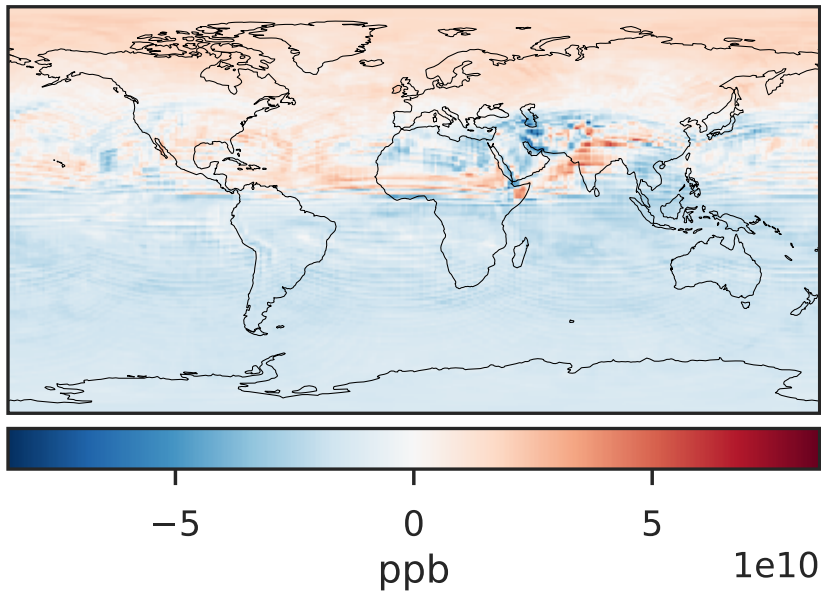
GCHP 14.2.2 using wind (c30) (Ref)
c30



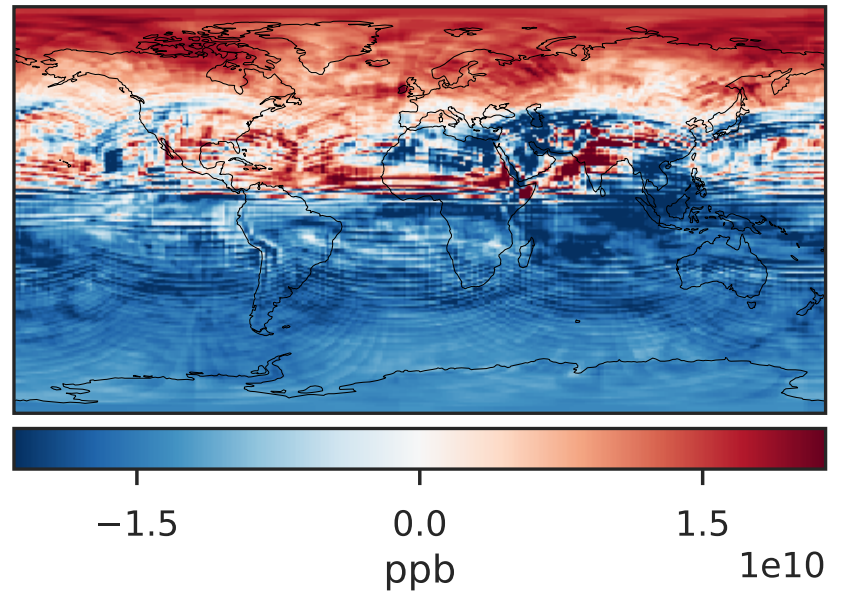
GCHP 14.2.2 using wind (c180) (Dev)
c180



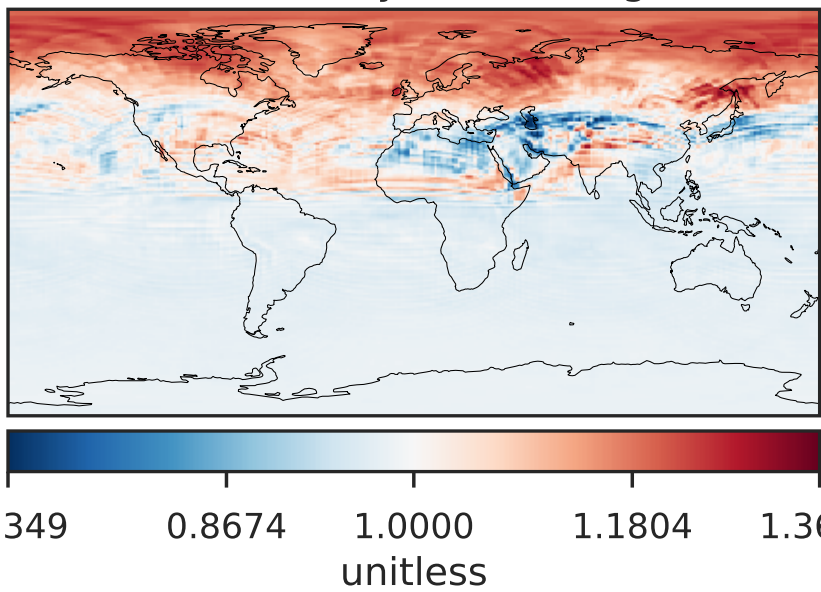
Difference (1x1.25)
Dev - Ref, Dynamic Range



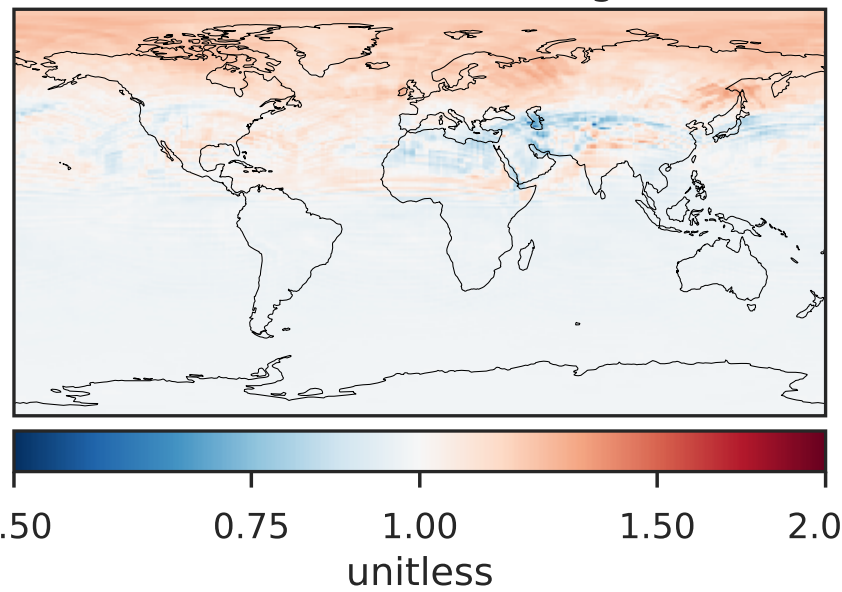
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

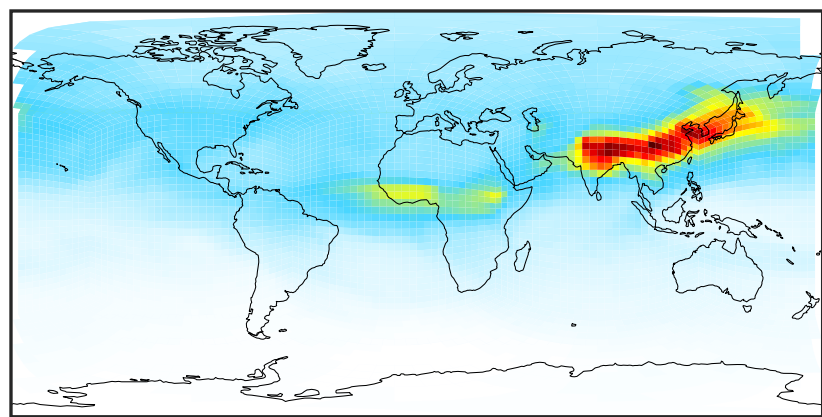


Ratio (1x1.25)
Dev/Ref, Fixed Range



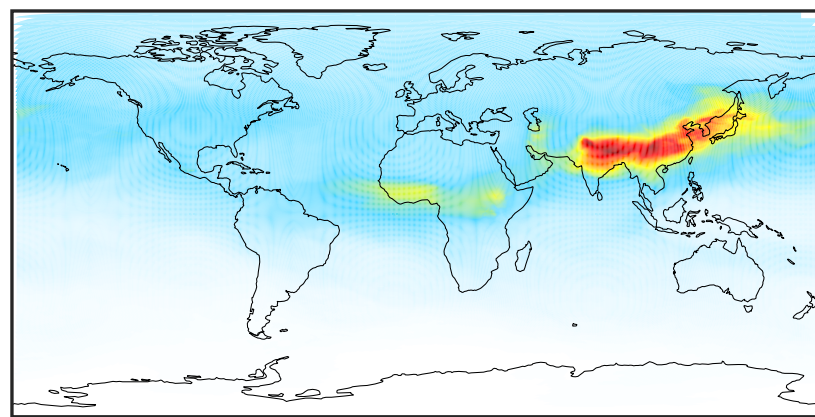
SpeciesConcVV_CO_25 (Jul2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



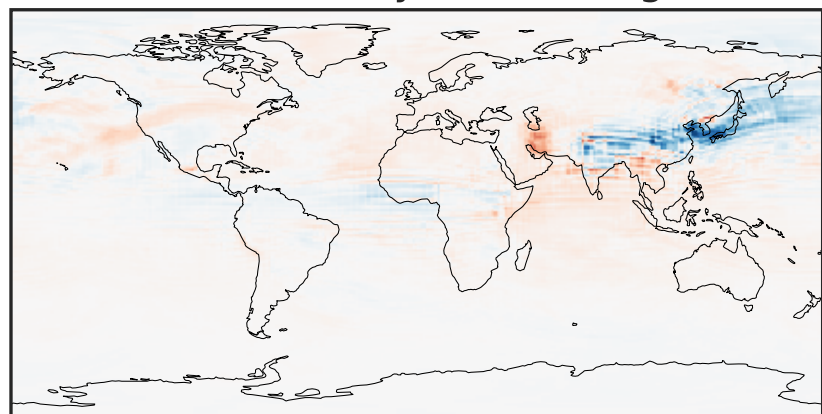
0.98 13.67 26.36 39.04 51.73
ppb

GCHP 14.2.2 using wind (c180) (Dev)
c180



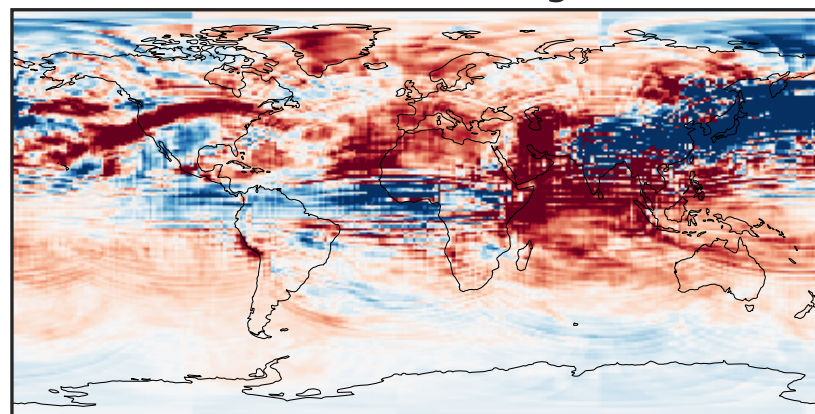
0.98 13.67 26.36 39.04 51.73
ppb

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



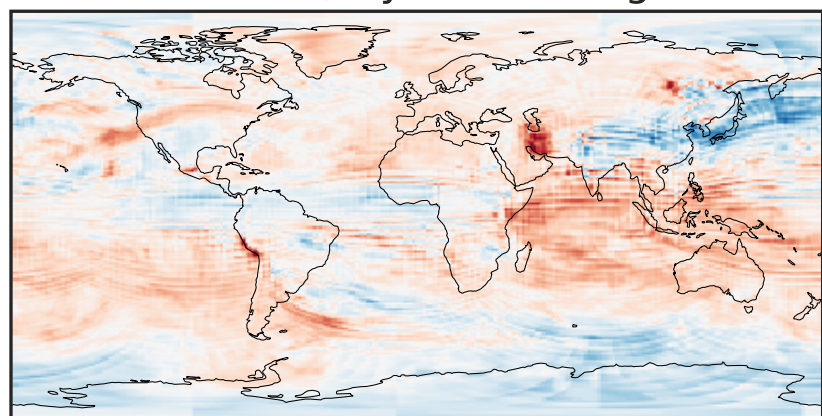
-11.30 -5.65 0.00 5.65 11.30
ppb

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



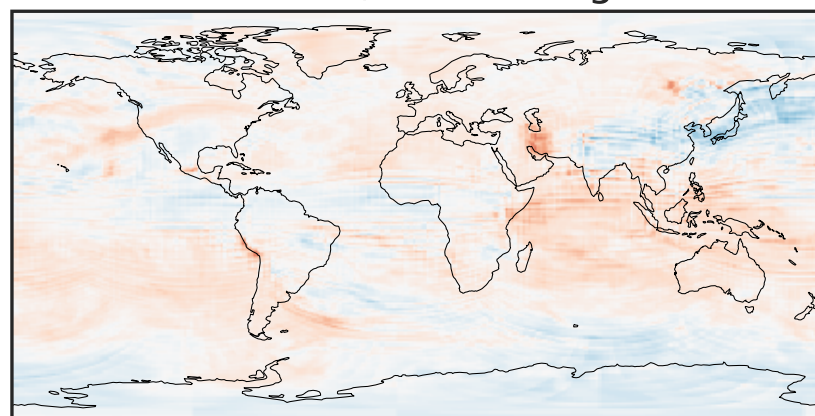
-0.886 -0.443 0.000 0.443 0.886
ppb

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



0.6868 0.8434 1.0000 1.2280 1.4561
unitless

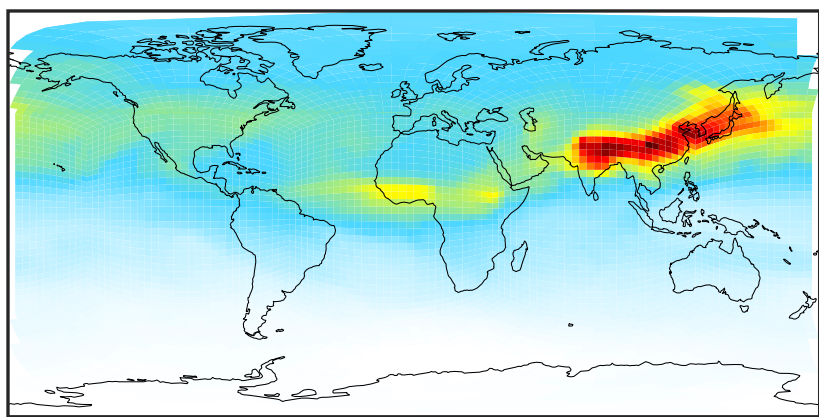
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

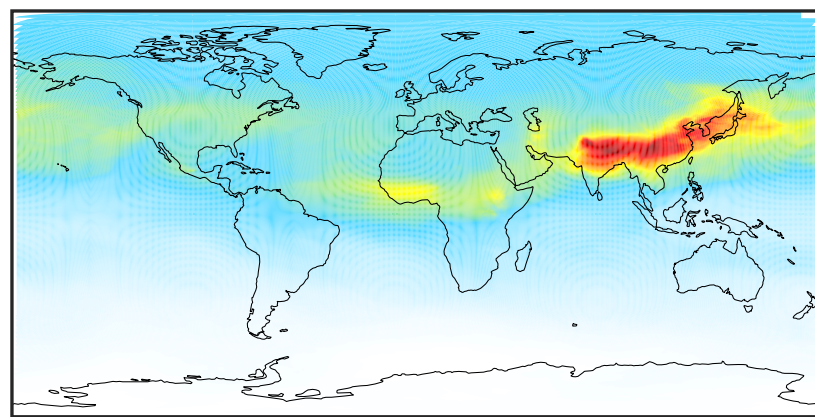
SpeciesConcVV_CO_50 (Jul2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



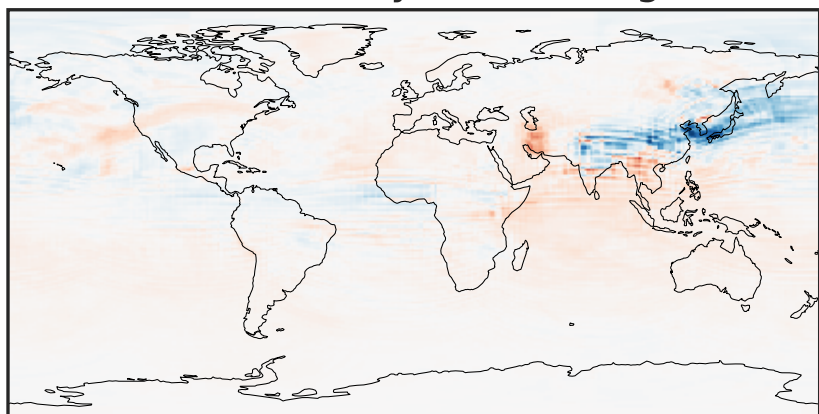
3.50 19.61 35.72 51.84 67.95
ppb

GCHP 14.2.2 using wind (c180) (Dev)
c180



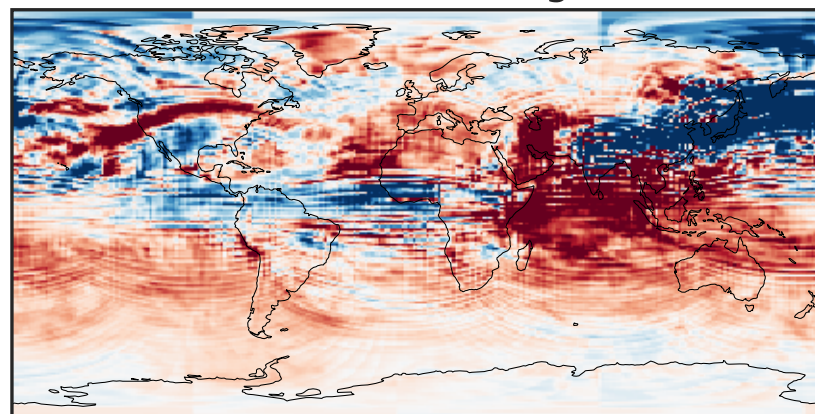
3.50 19.61 35.72 51.84 67.95
ppb

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



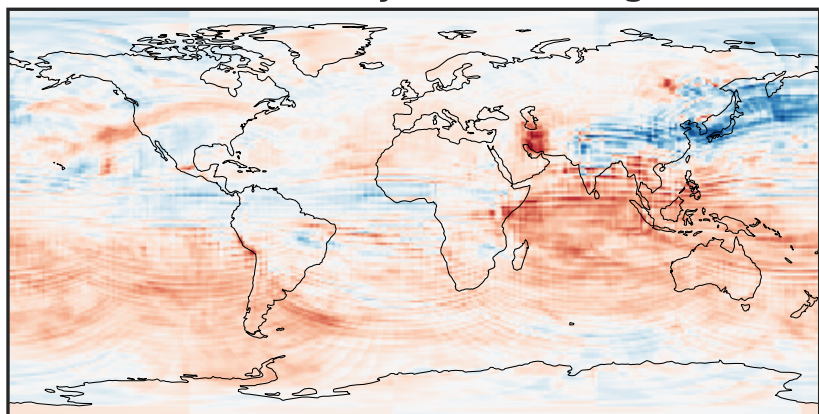
-12.72 -6.36 0.00 6.36 12.72
ppb

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



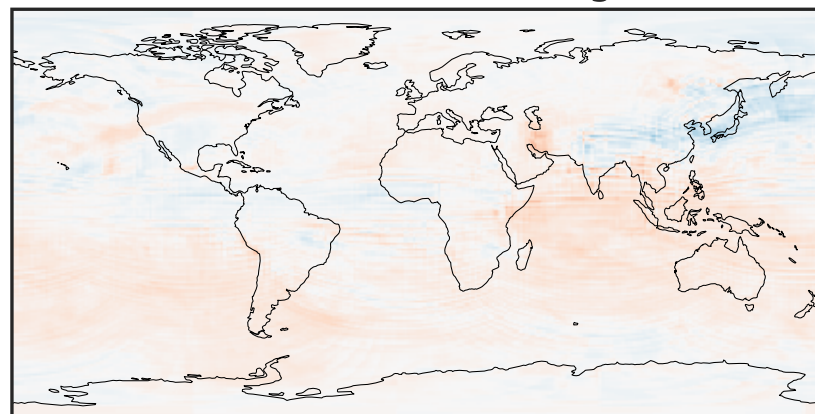
-1.151 -0.576 0.000 0.576 1.151
ppb

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



0.7892 0.8946 1.0000 1.1335 1.2670
unitless

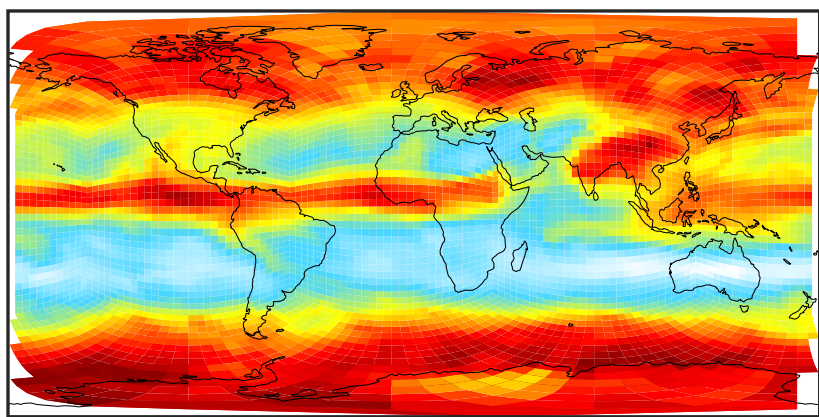
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

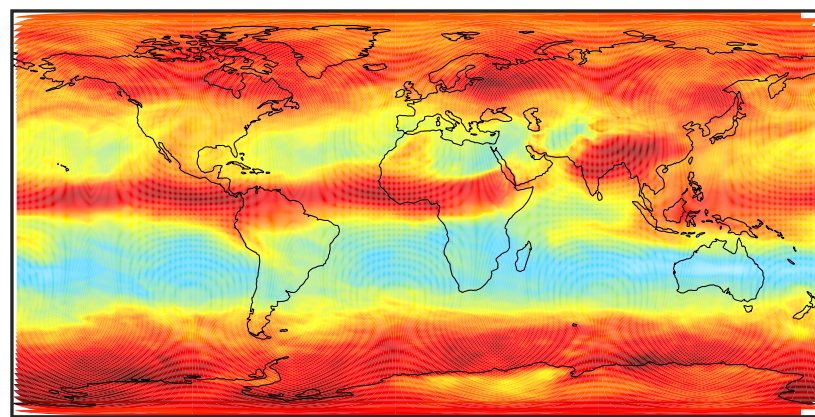
SpeciesConcVV_e90 (Jul2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



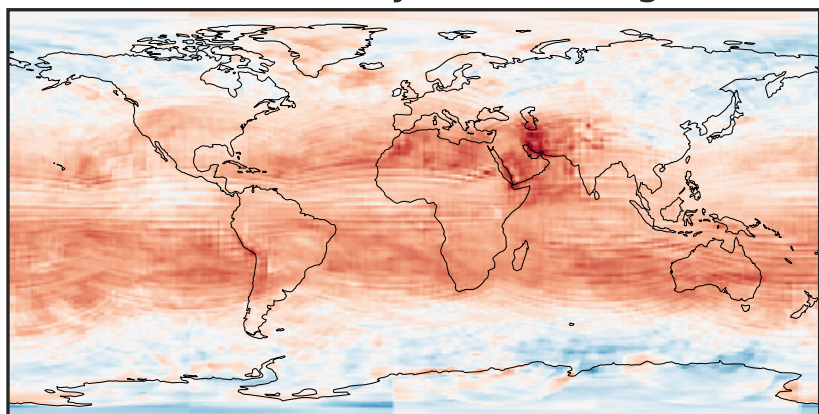
61.17 66.84 72.51 78.18 83.84
ppb

GCHP 14.2.2 using wind (c180) (Dev)
c180



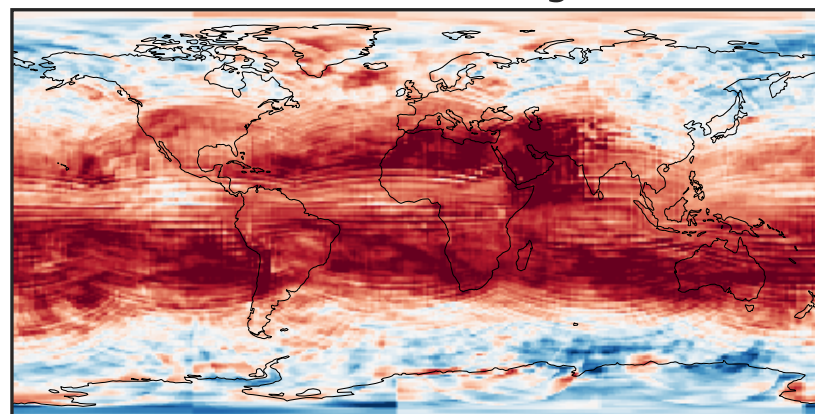
61.17 66.84 72.51 78.18 83.84
ppb

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



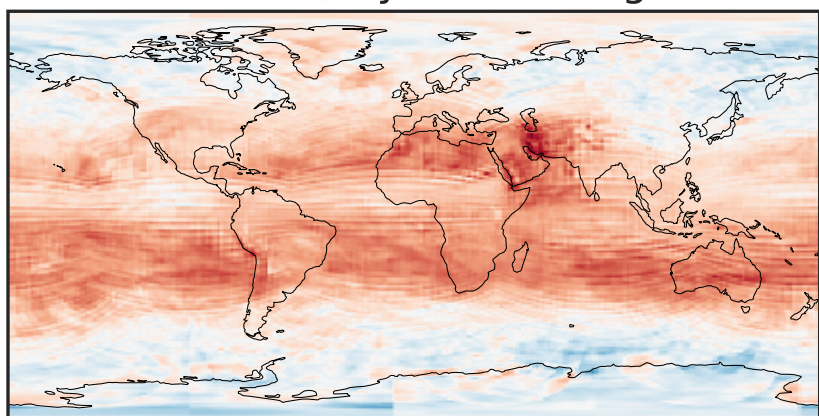
-7.15 -3.58 0.00 3.58 7.15
ppb

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



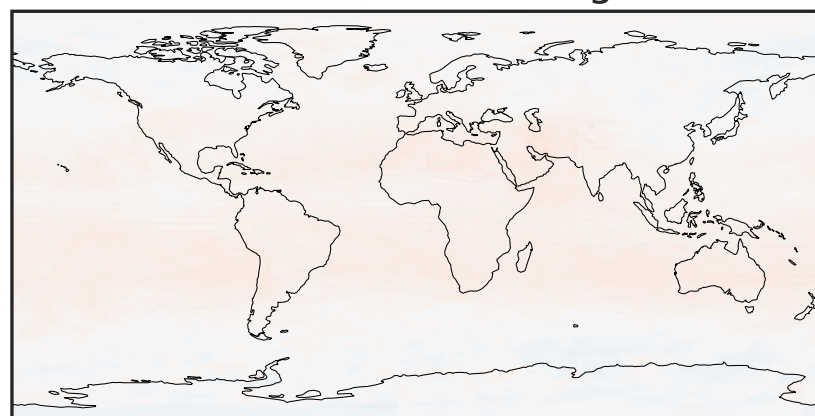
-3.521 -1.761 0.000 1.761 3.521
ppb

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



0.9053 0.9527 1.0000 1.0523 1.1046
unitless

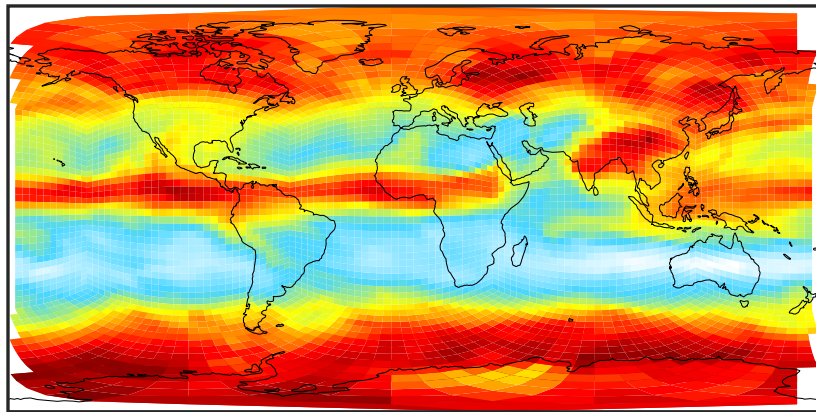
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

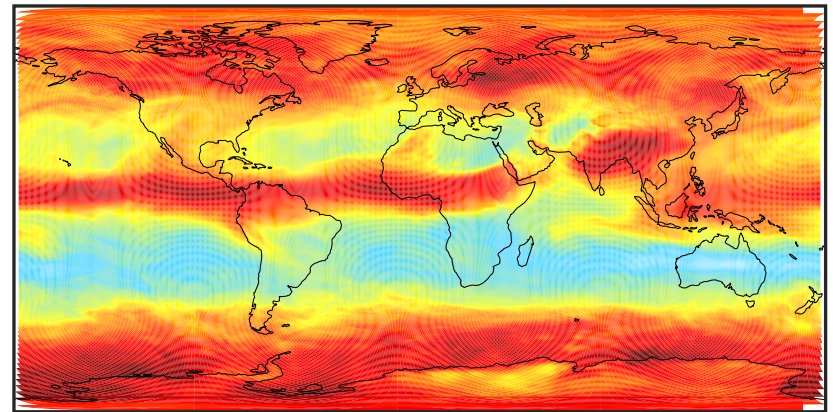
SpeciesConcVV_e90_n (Jul2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



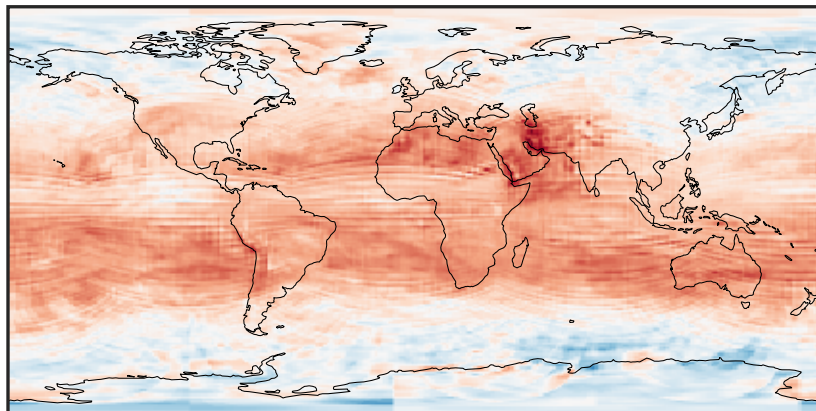
61.17 66.84 72.51 78.18 83.84
ppb

GCHP 14.2.2 using wind (c180) (Dev)
c180



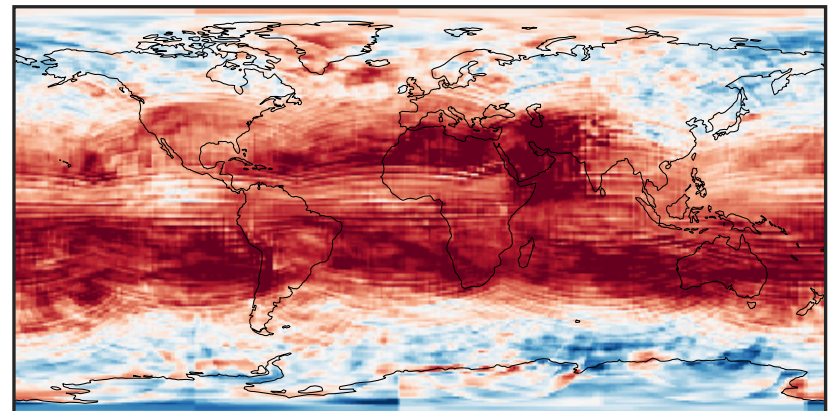
61.17 66.84 72.51 78.18 83.84
ppb

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



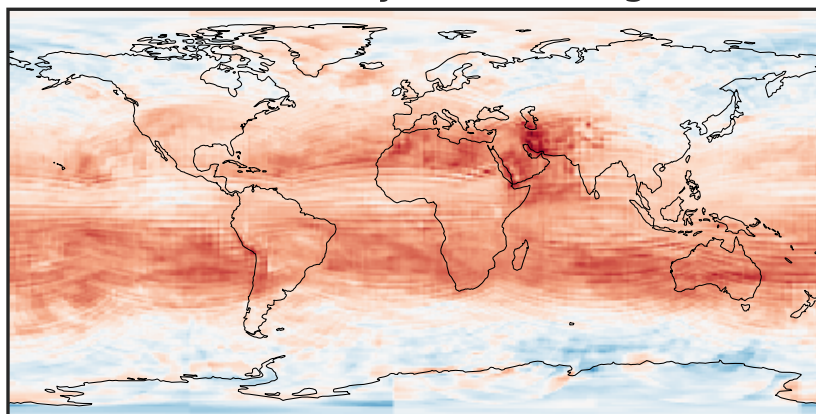
-7.15 -3.58 0.00 3.58 7.15
ppb

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



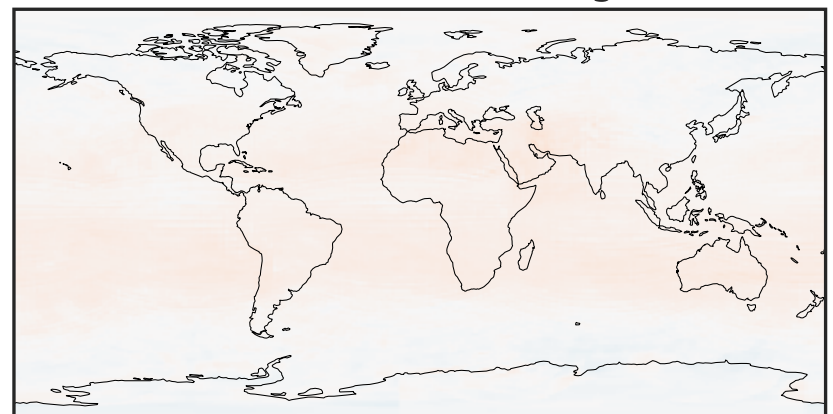
-3.521 -1.761 0.000 1.761 3.521
ppb

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



0.9053 0.9527 1.0000 1.0523 1.1046
unitless

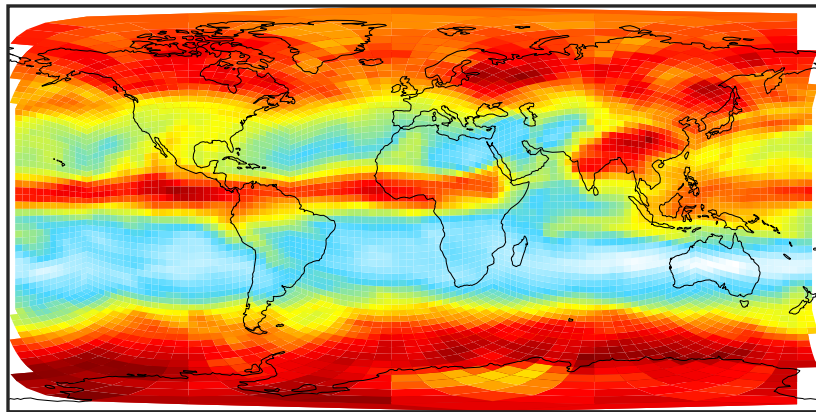
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

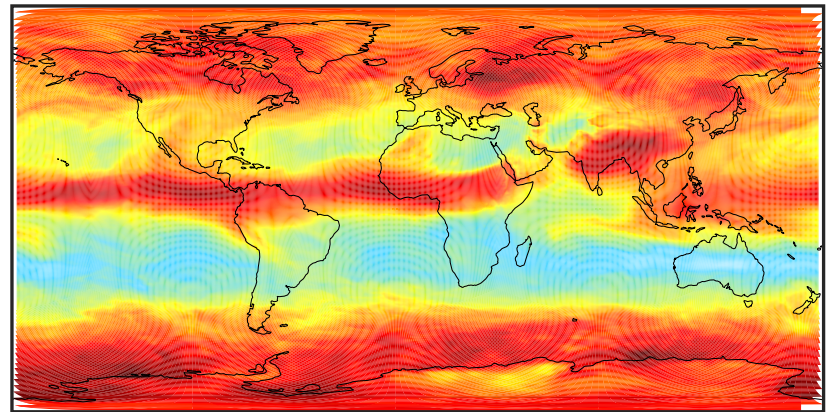
SpeciesConcVV_e90_s (Jul2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



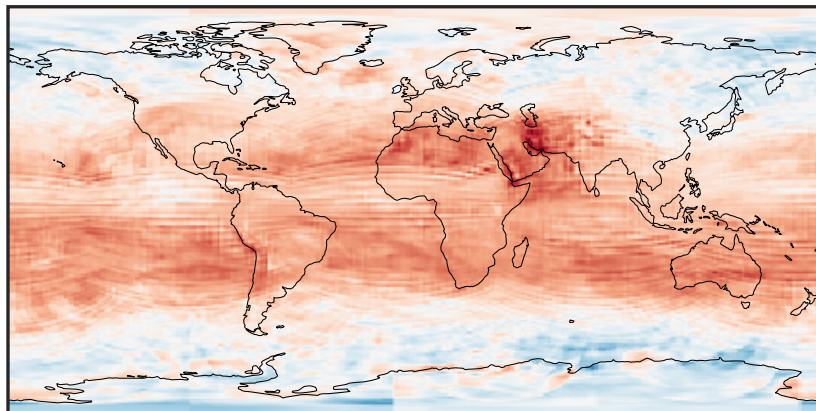
61.17 66.84 72.51 78.18 83.84
ppb

GCHP 14.2.2 using wind (c180) (Dev)
c180



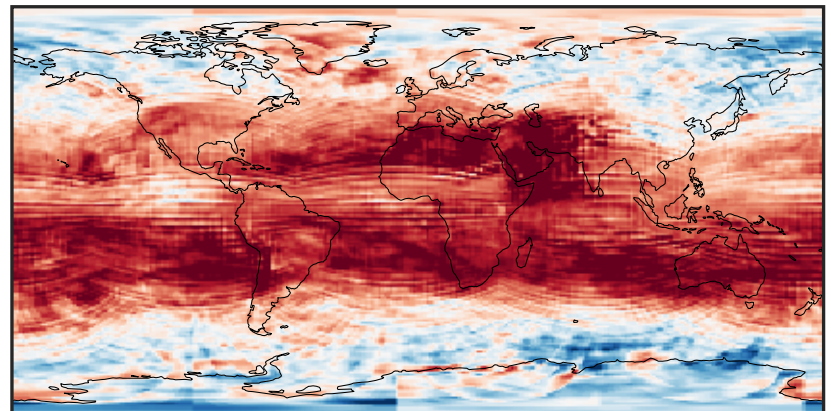
61.17 66.84 72.51 78.18 83.84
ppb

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



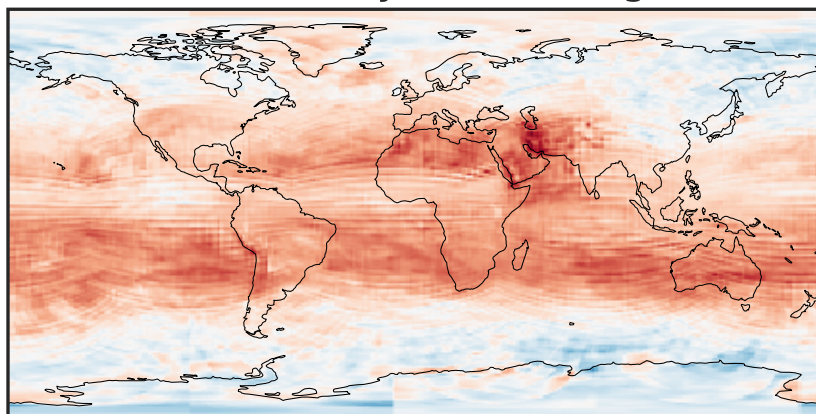
-7.15 -3.58 0.00 3.58 7.15
ppb

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



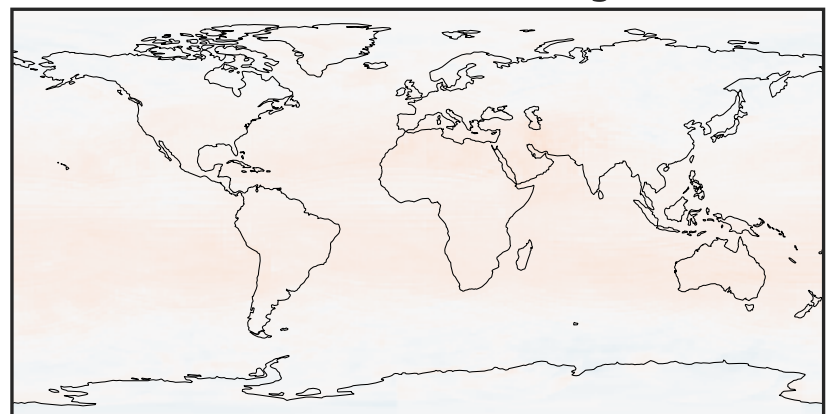
-3.521 -1.761 0.000 1.761 3.521
ppb

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



0.9053 0.9527 1.0000 1.0523 1.1046
unitless

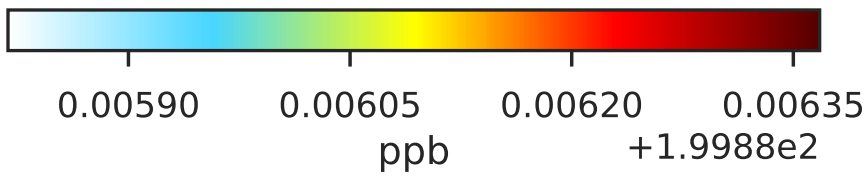
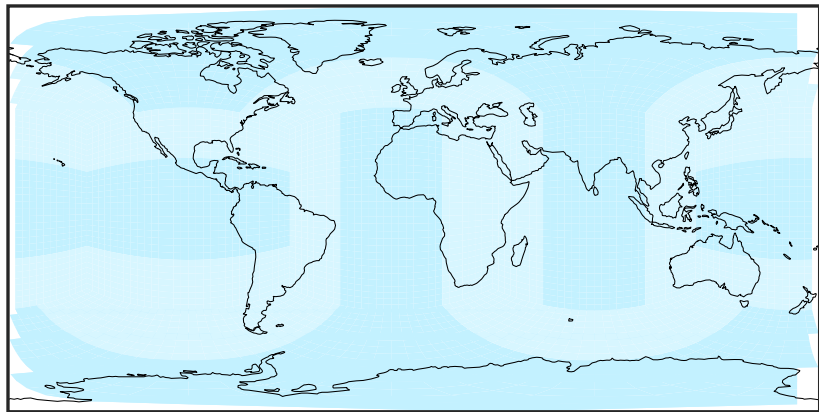
Ratio (1x1.25)
Dev/Ref, Fixed Range



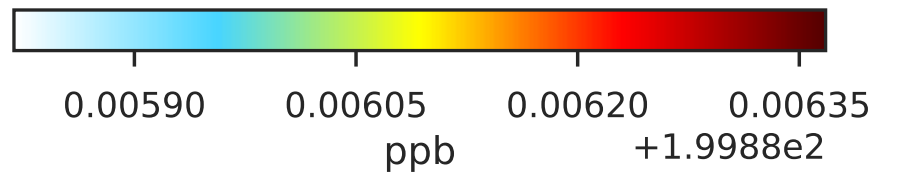
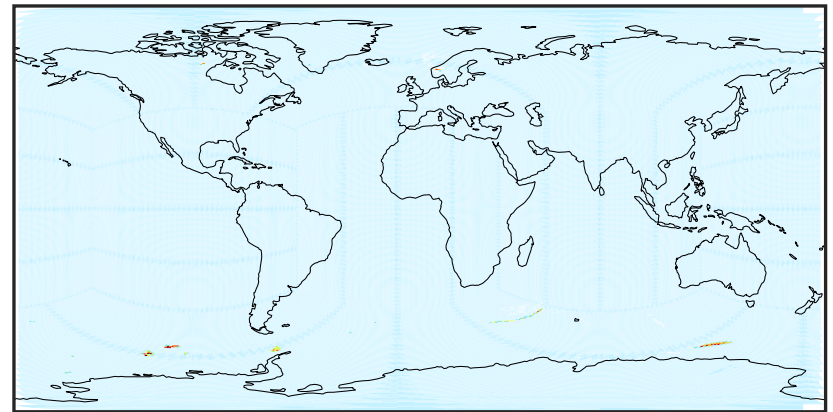
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_st80_25 (Jul2019)

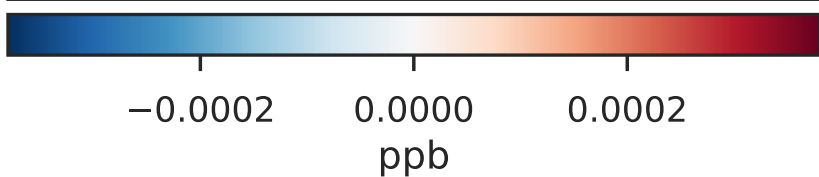
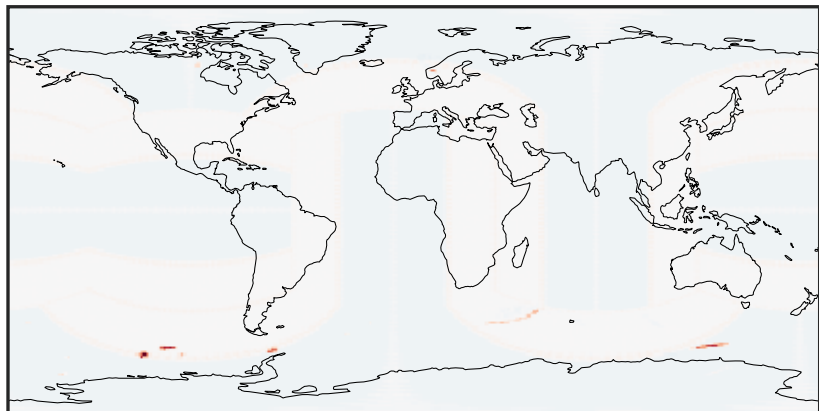
GCHP 14.2.2 using wind (c30) (Ref)
c30



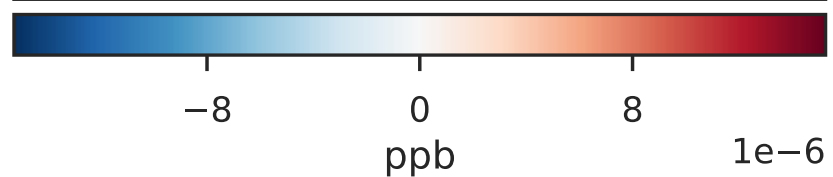
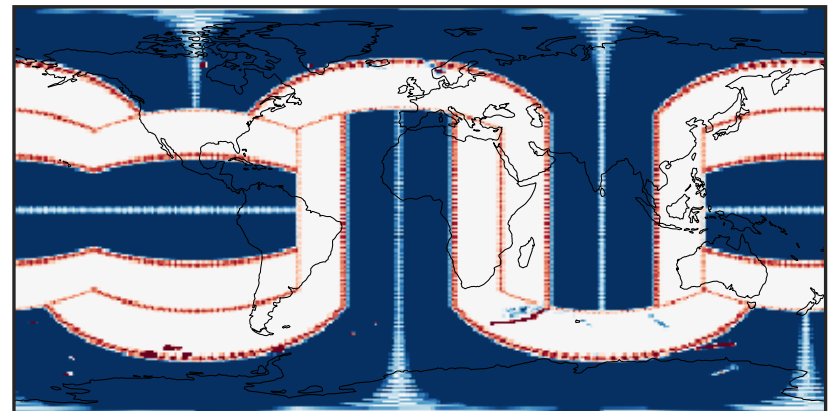
GCHP 14.2.2 using wind (c180) (Dev)
c180



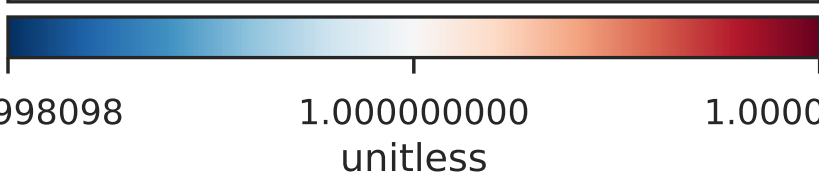
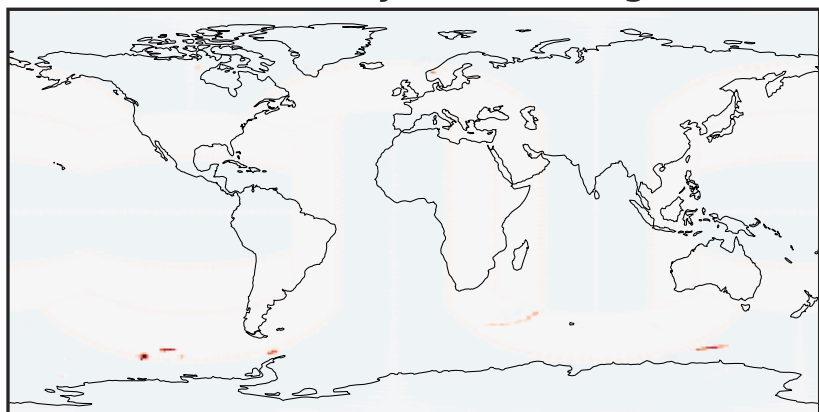
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

