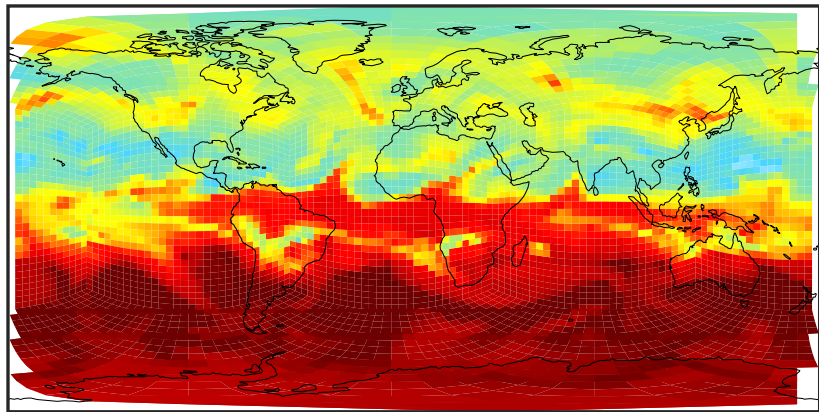


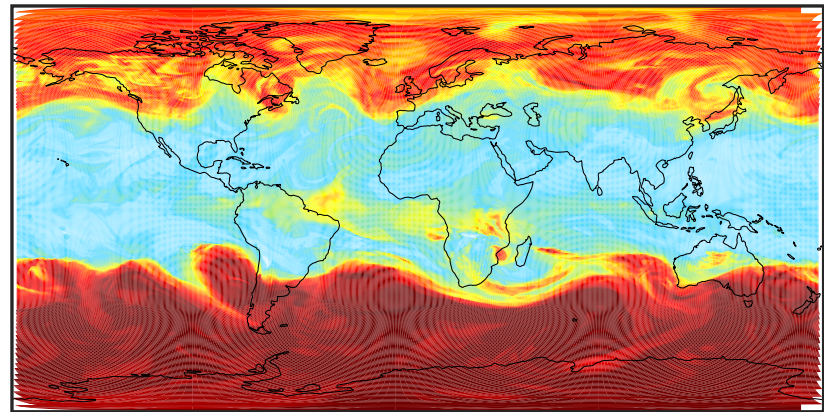
SpeciesConcVV_PassiveTracer (Oct2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



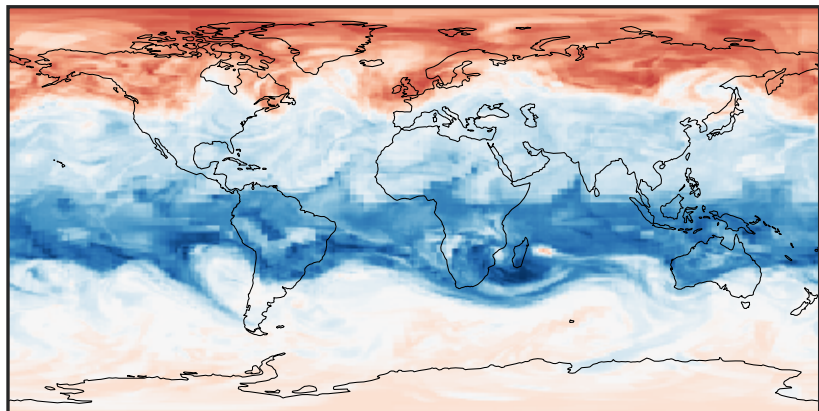
0.0004 0.0012 0.0020
ppb +9.999e1

GCHP 14.2.2 using wind (c180) (Dev)
c180



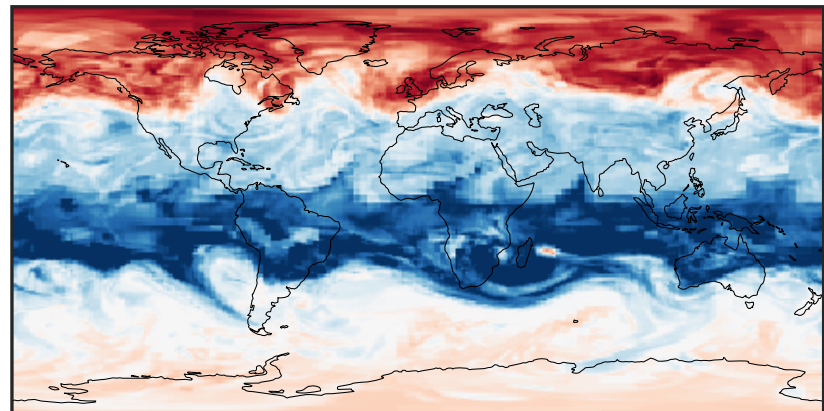
0.0004 0.0012 0.0020
ppb +9.999e1

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



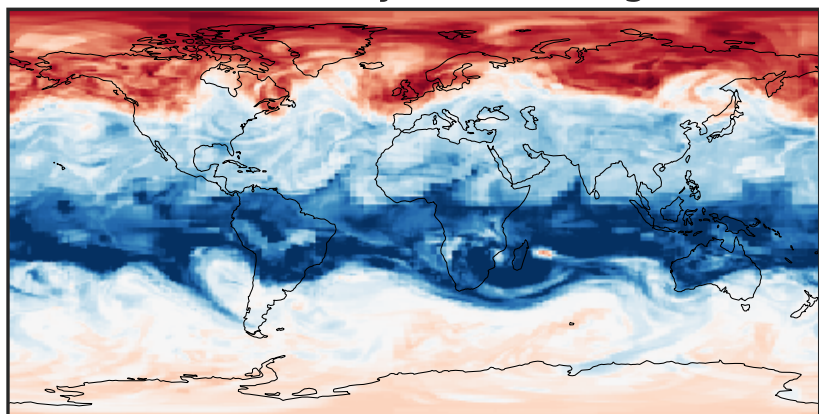
-0.001 0.000 0.001
ppb

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



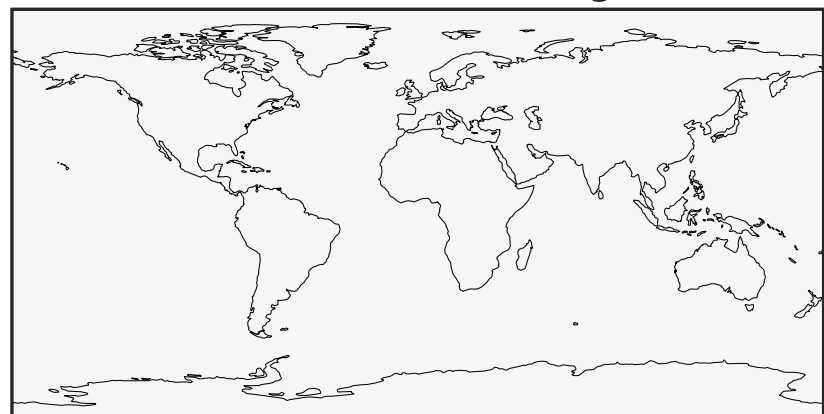
-0.0006 0.0000 0.0006
ppb

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



0.99998878 1.00000000 1.00001122
unitless

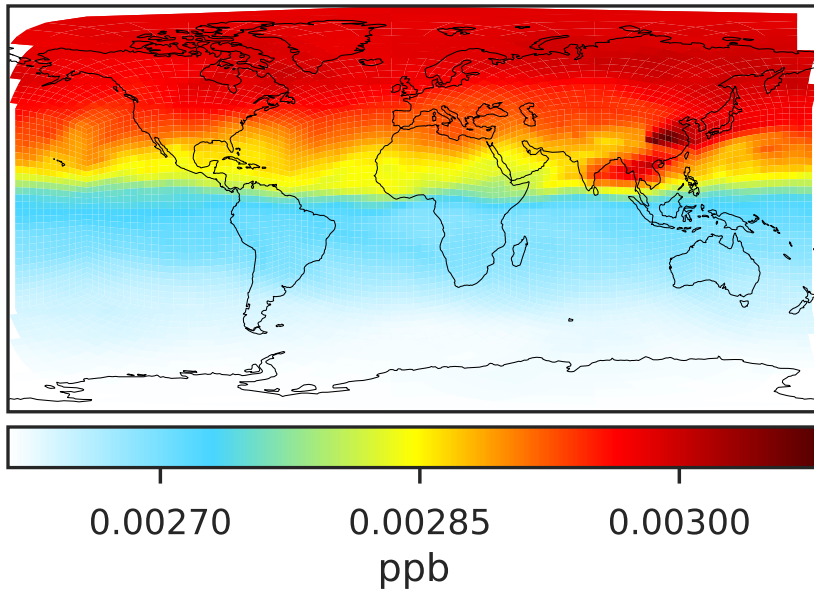
Ratio (1x1.25)
Dev/Ref, Fixed Range



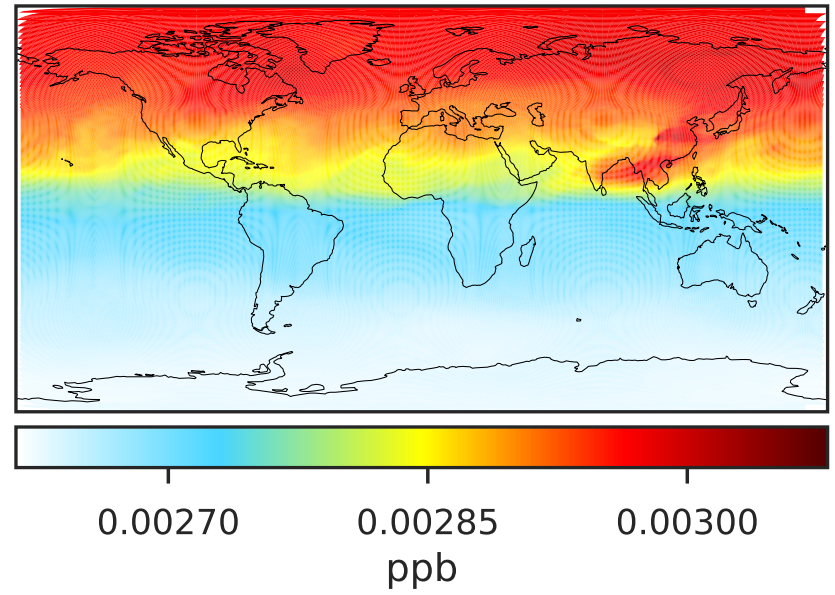
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SF6 (Oct2019)

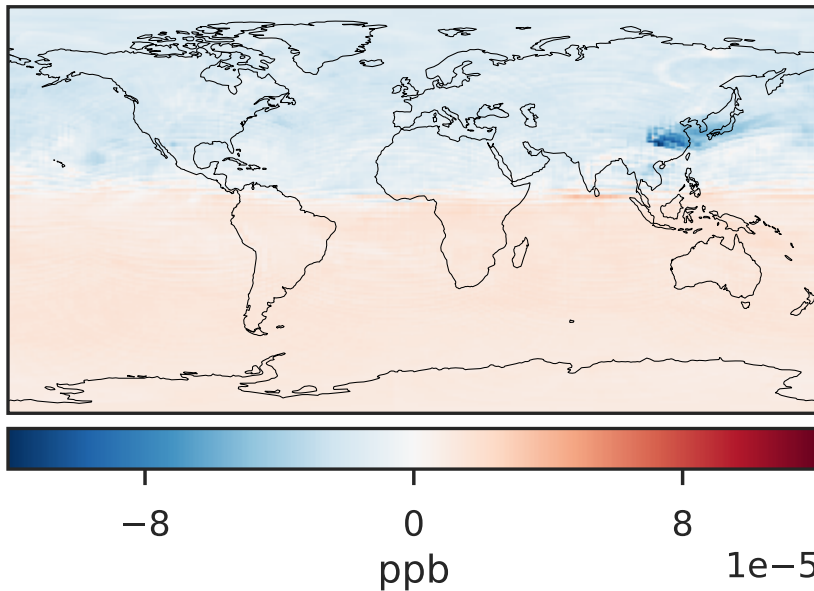
GCHP 14.2.2 using wind (c30) (Ref)
c30



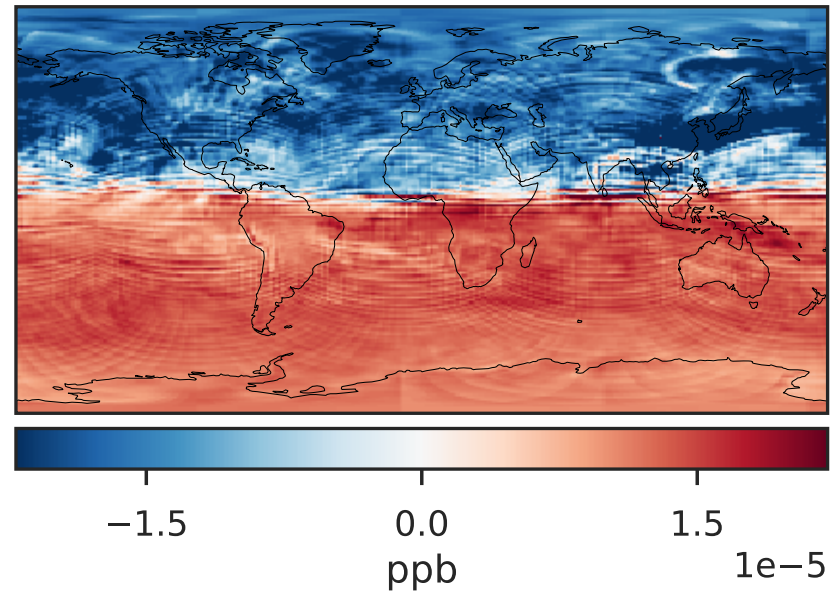
GCHP 14.2.2 using wind (c180) (Dev)
c180



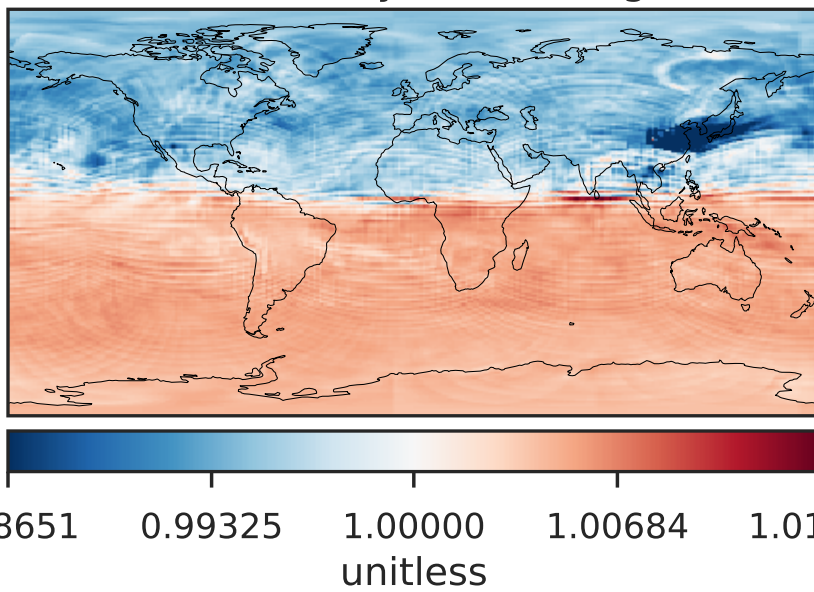
Difference (1x1.25)
Dev - Ref, Dynamic Range



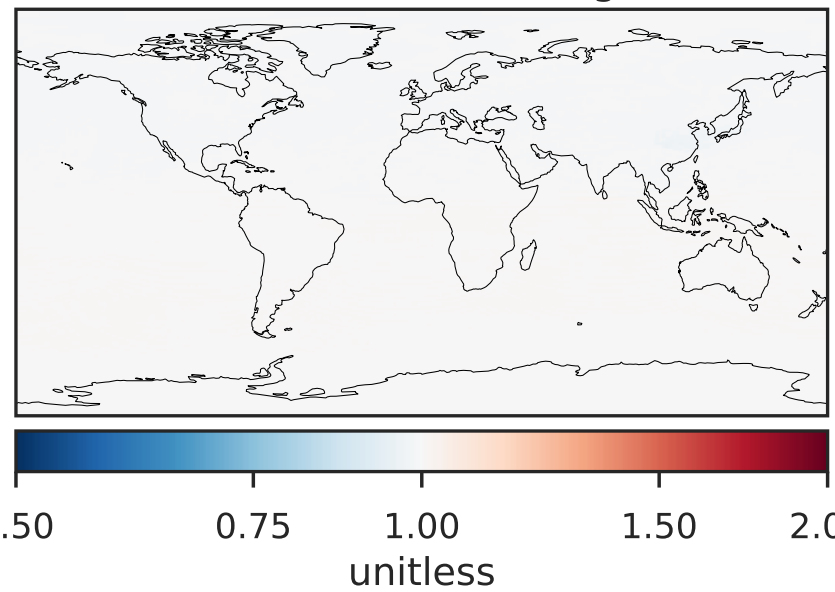
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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

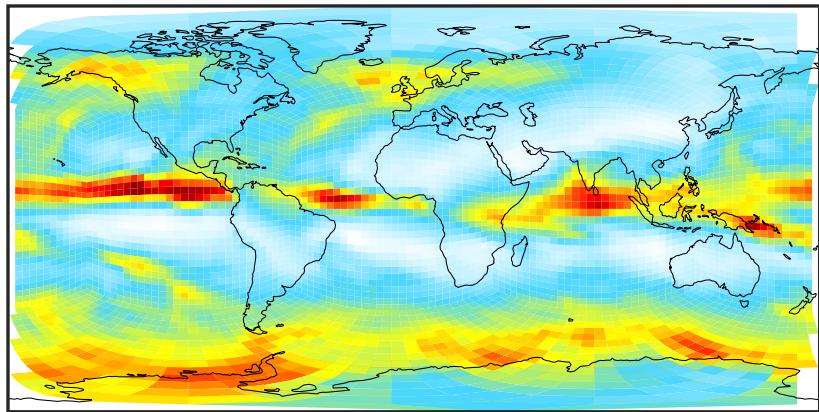


0.98651 0.99325 1.00000 1.00684 1.01368
unitless

0.50 0.75 1.00 1.50 2.00
unitless

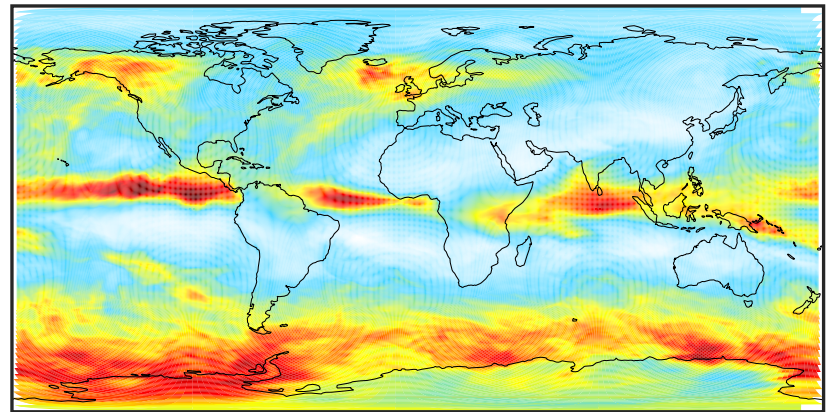
SpeciesConcVV_CH3I (Oct2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



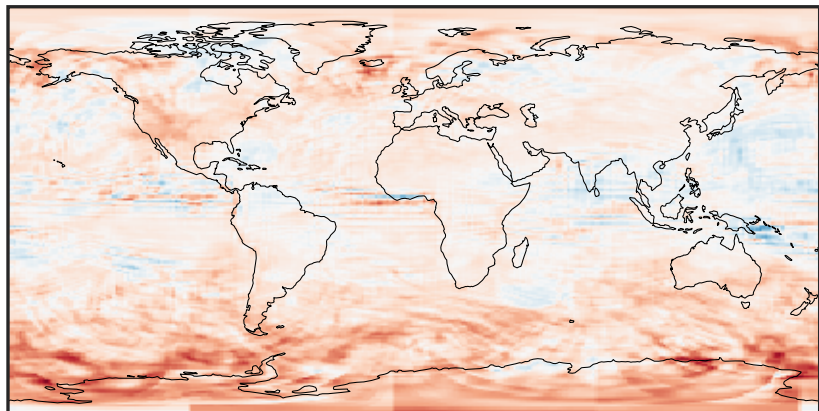
0.6 1.2 1.8
ppb $1e-11$

GCHP 14.2.2 using wind (c180) (Dev)
c180



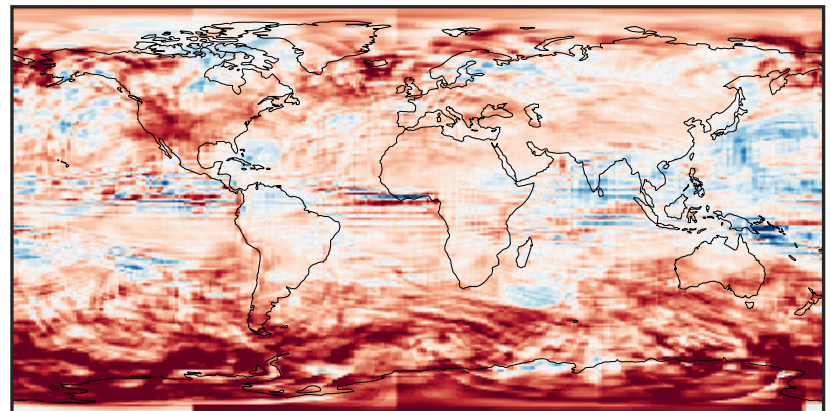
0.6 1.2 1.8
ppb $1e-11$

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



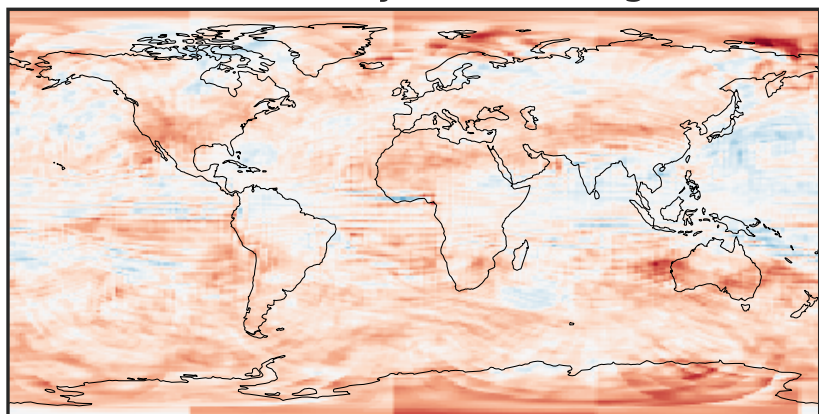
-4 0 4
ppb $1e-12$

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



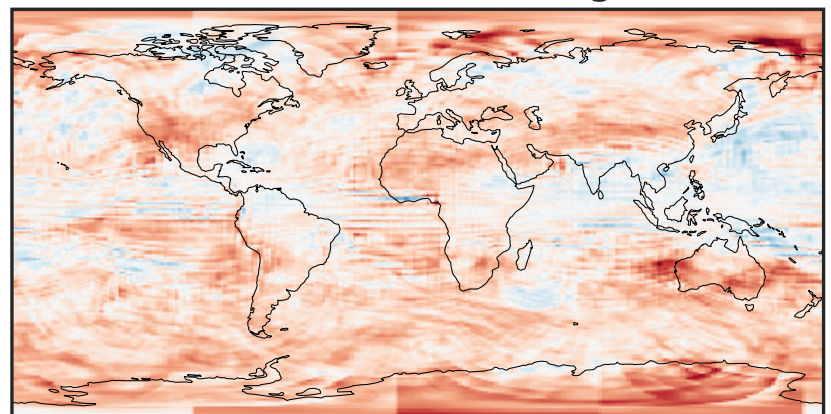
-2 0 2
ppb $1e-12$

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



0.454 0.727 1.000 1.601 2.202
unitless

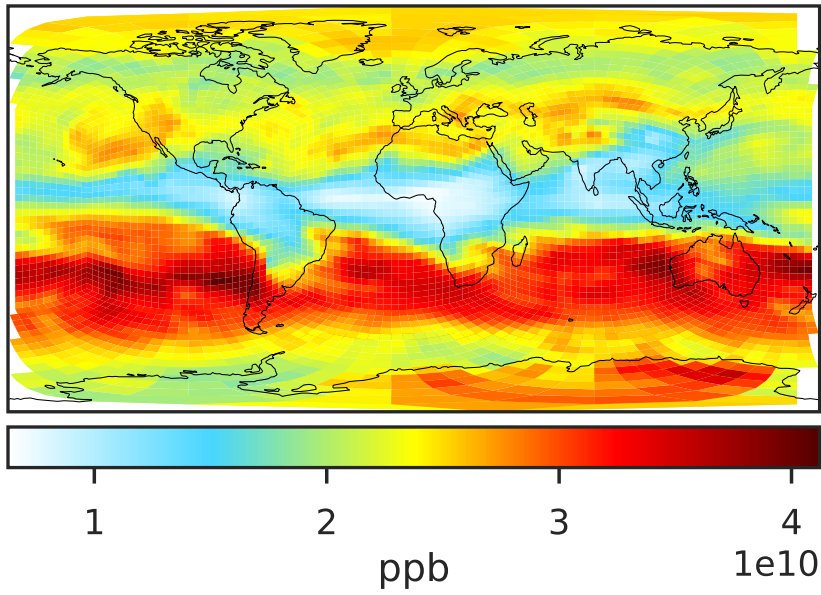
Ratio (1x1.25)
Dev/Ref, Fixed Range



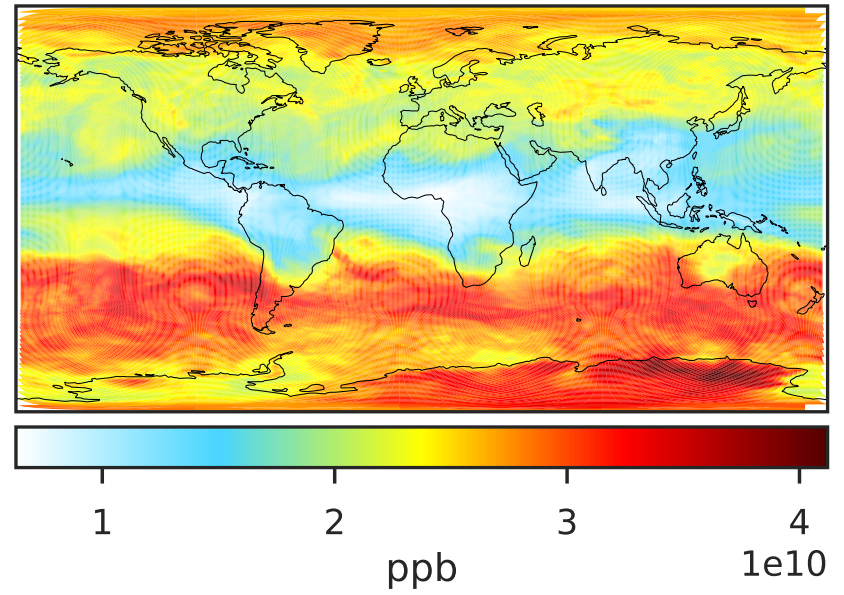
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_aoa (Oct2019)

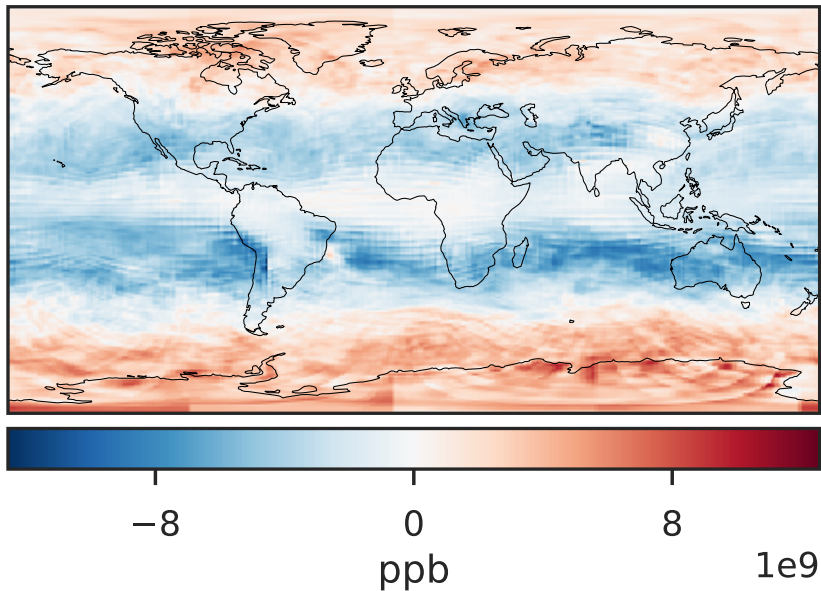
GCHP 14.2.2 using wind (c30) (Ref)
c30



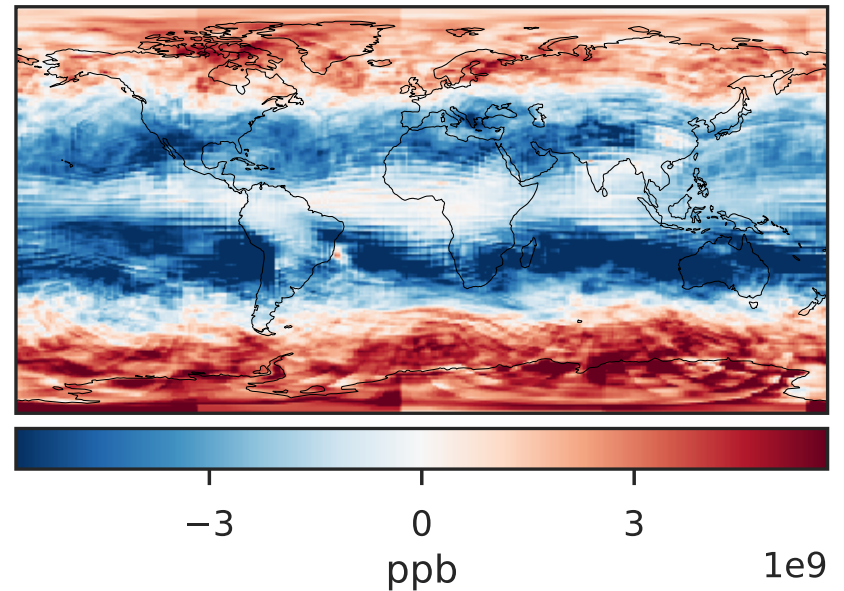
GCHP 14.2.2 using wind (c180) (Dev)
c180



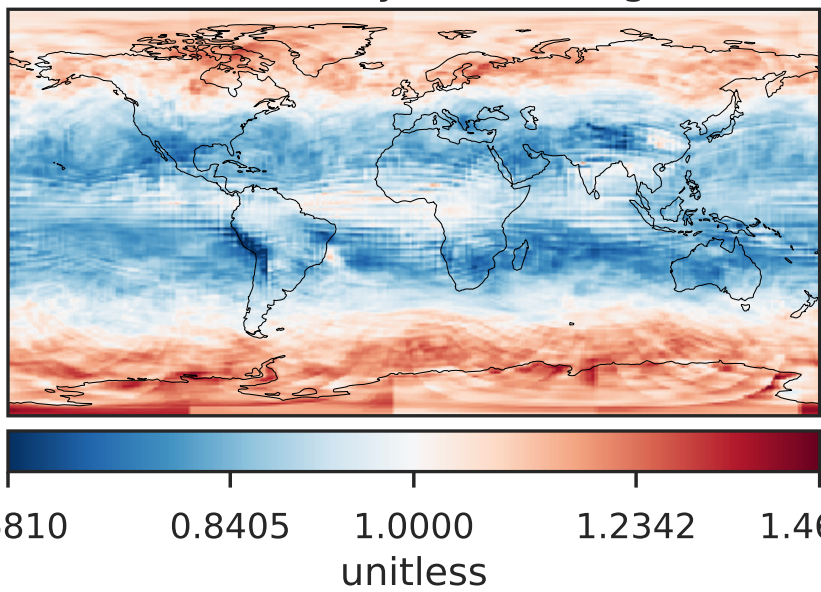
Difference (1x1.25)
Dev - Ref, Dynamic Range



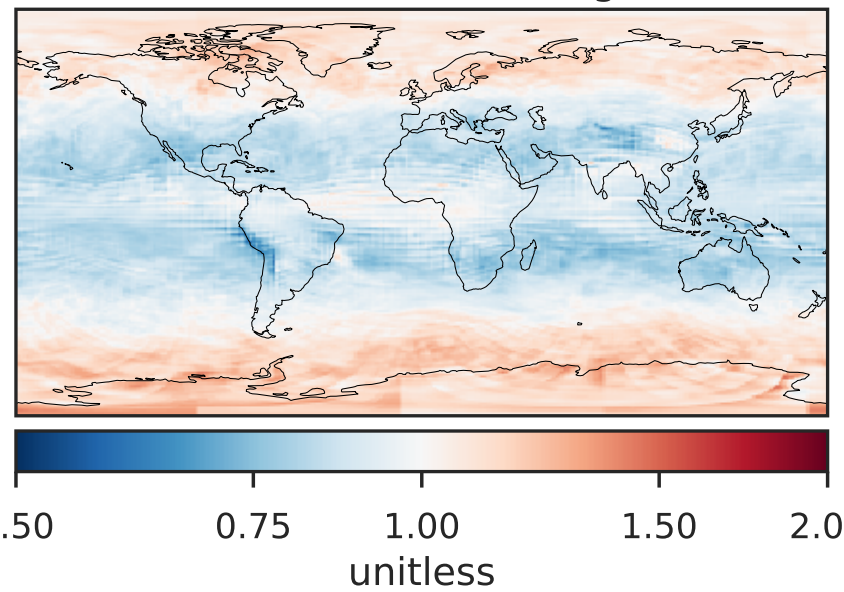
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

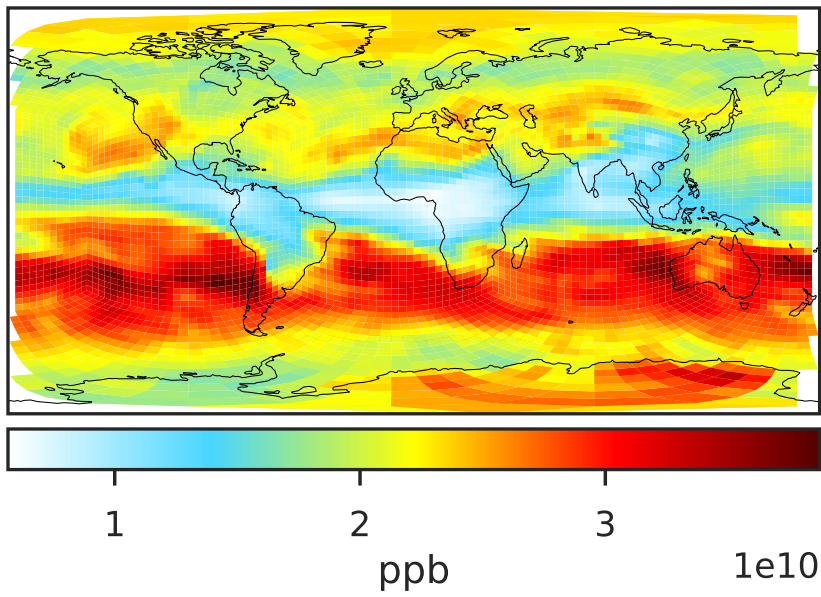


Ratio (1x1.25)
Dev/Ref, Fixed Range

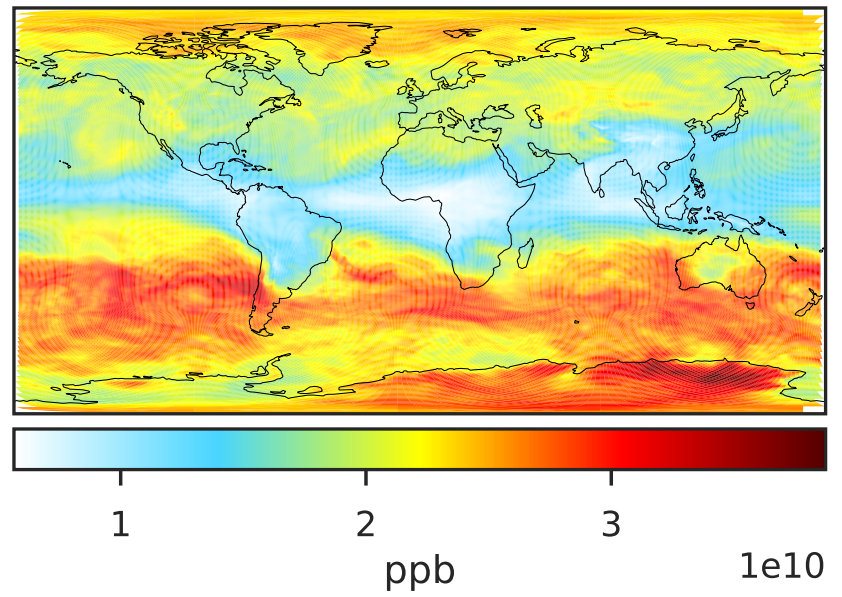


SpeciesConcVV_aoa_bl (Oct2019)

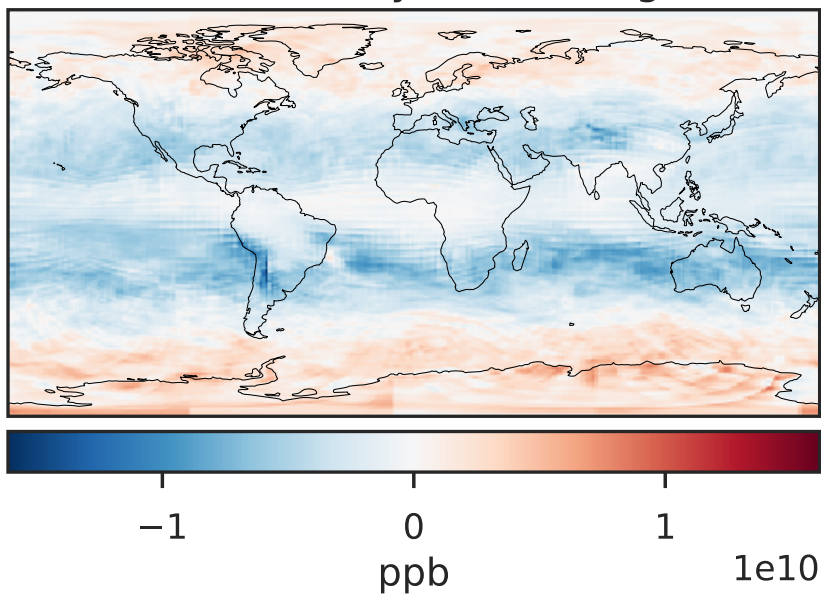
GCHP 14.2.2 using wind (c30) (Ref)
c30



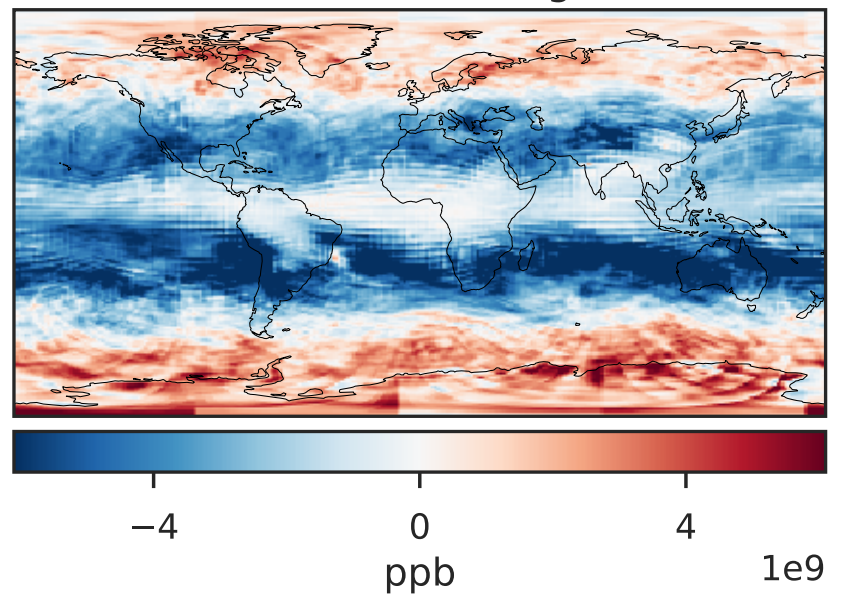
GCHP 14.2.2 using wind (c180) (Dev)
c180



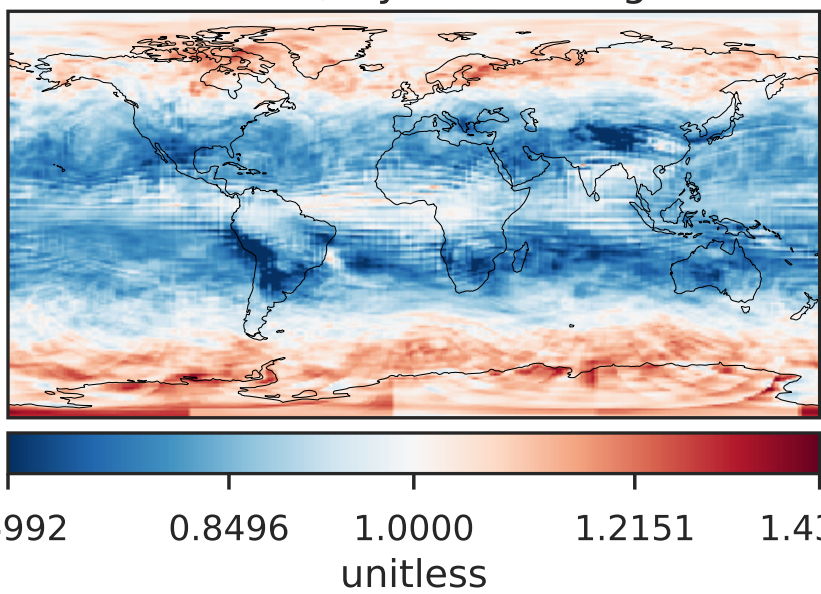
Difference (1x1.25)
Dev - Ref, Dynamic Range



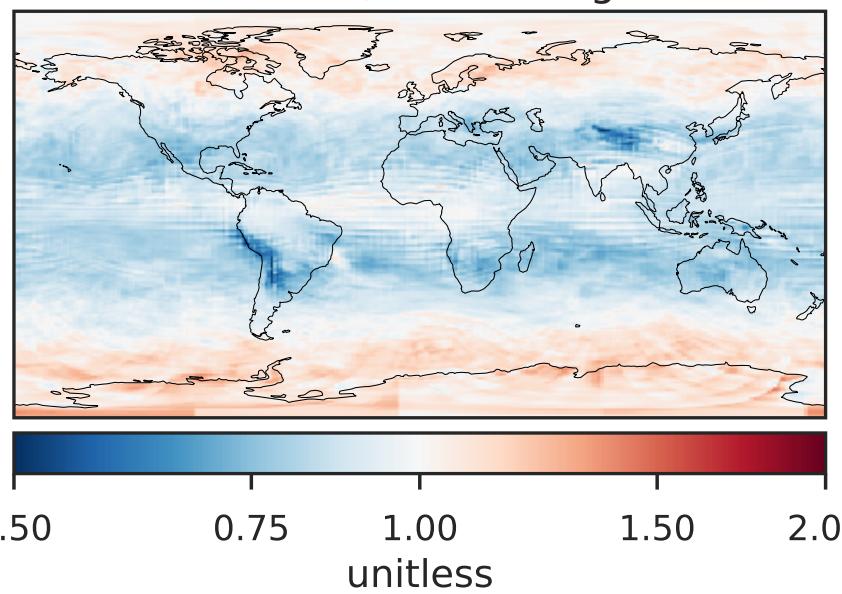
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

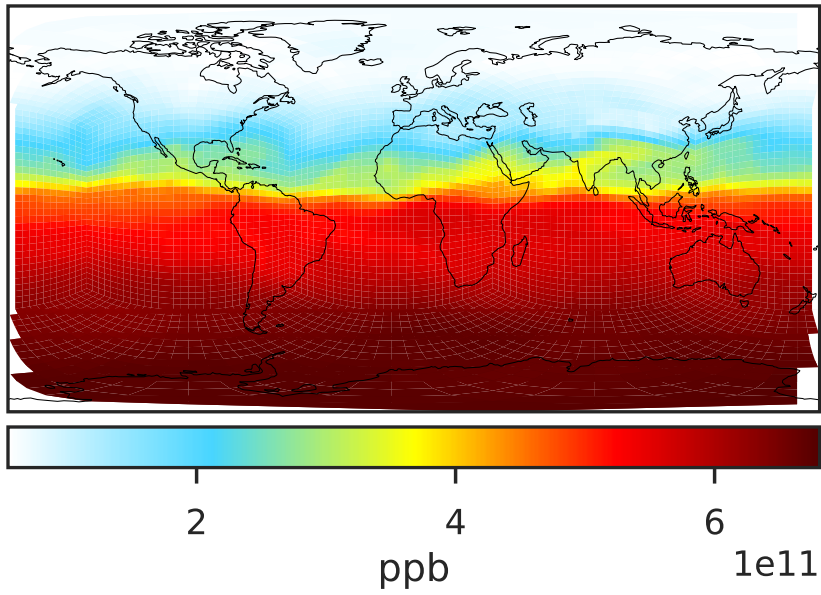


Ratio (1x1.25)
Dev/Ref, Fixed Range

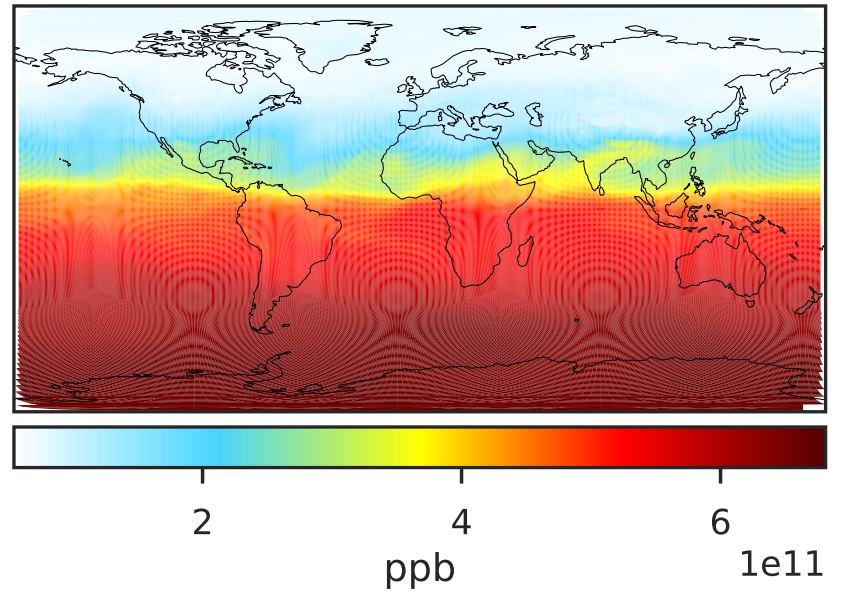


SpeciesConcVW_aoa_nh (Oct2019)

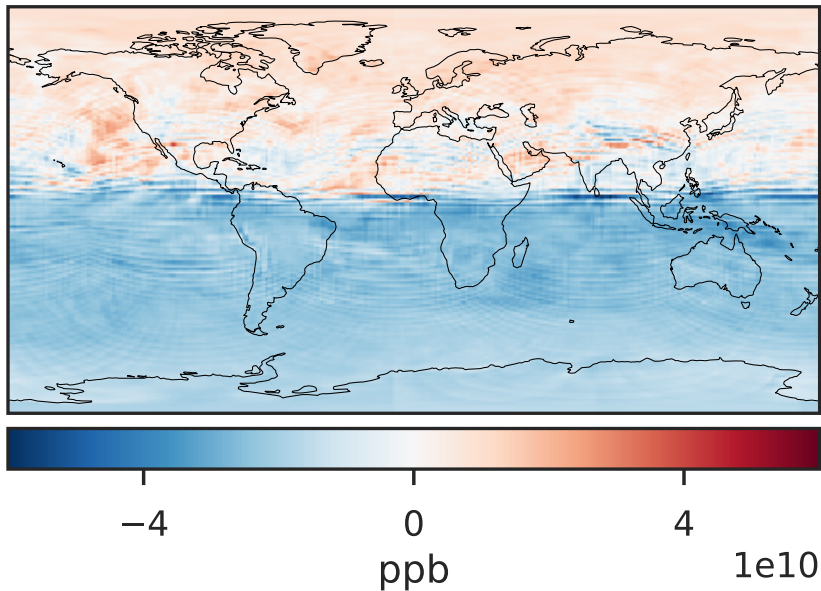
GCHP 14.2.2 using wind (c30) (Ref)
c30



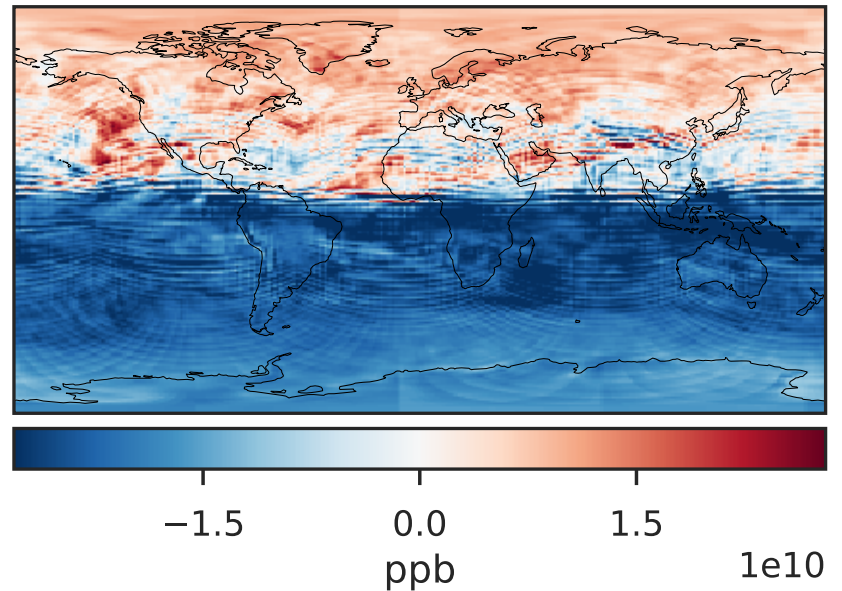
GCHP 14.2.2 using wind (c180) (Dev)
c180



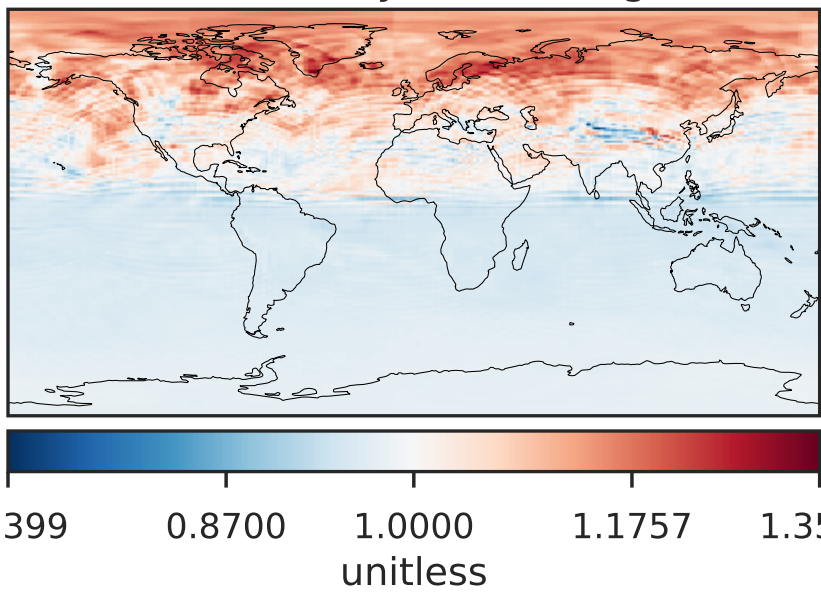
Difference (1x1.25)
Dev - Ref, Dynamic Range



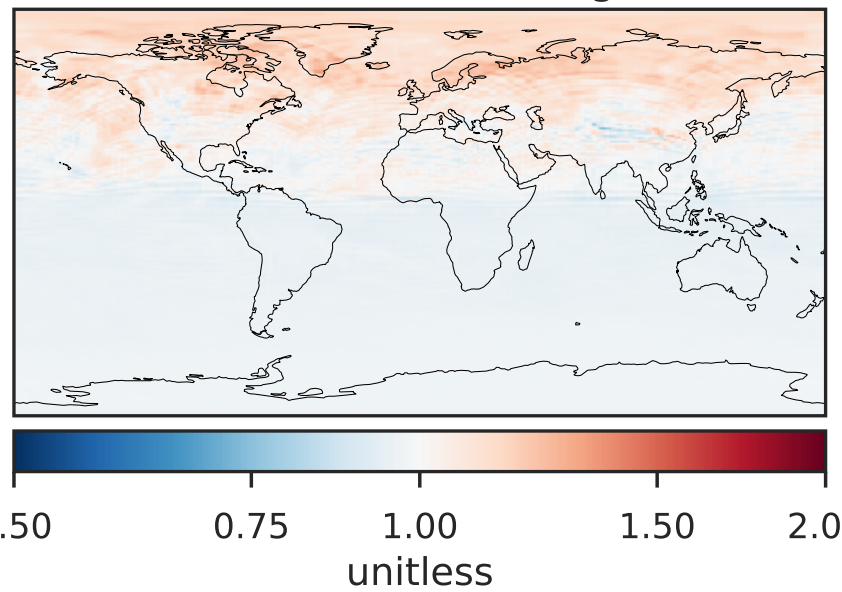
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

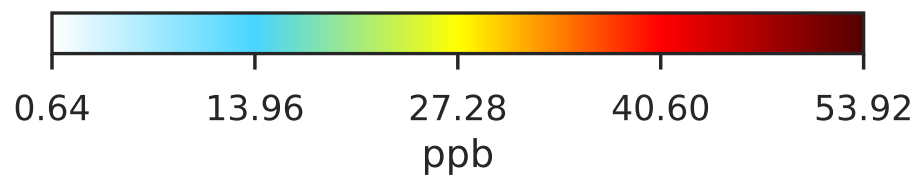
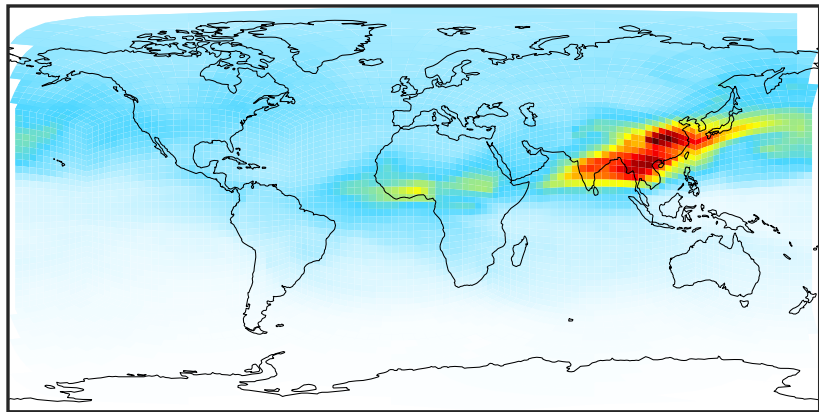


Ratio (1x1.25)
Dev/Ref, Fixed Range

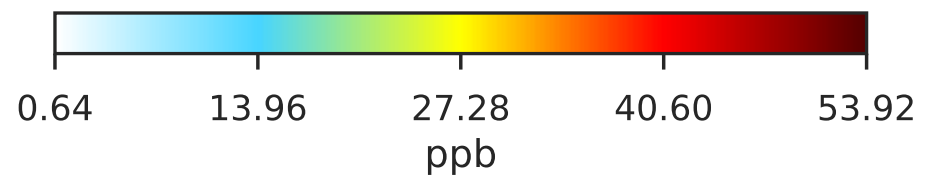
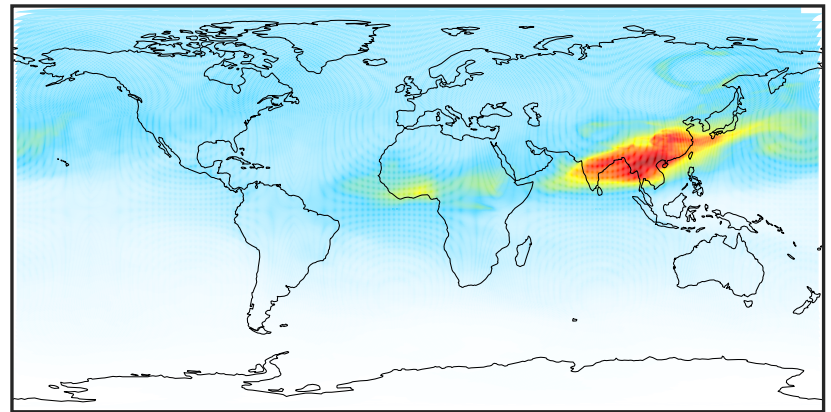


SpeciesConcVV_CO_25 (Oct2019)

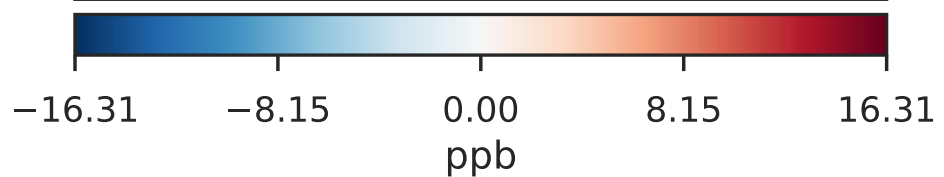
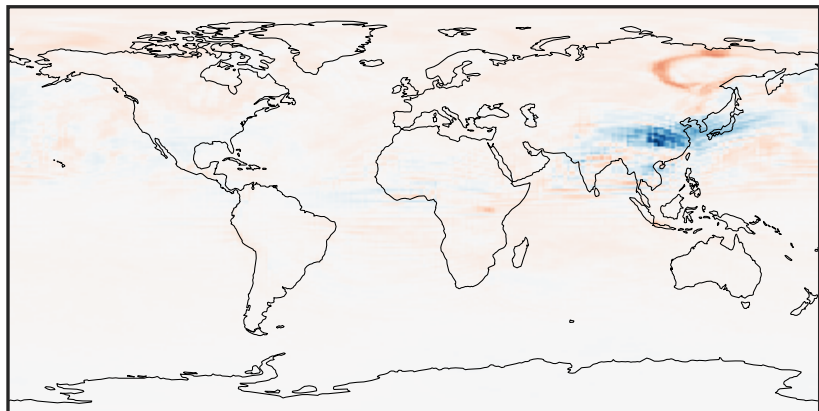
GCHP 14.2.2 using wind (c30) (Ref)
c30



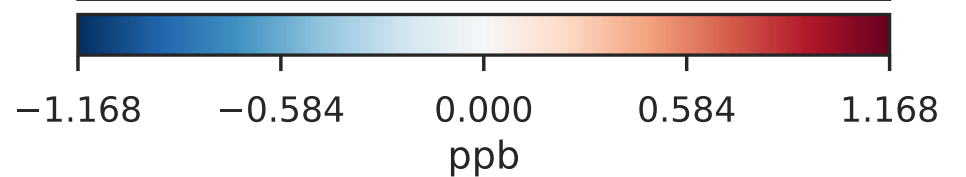
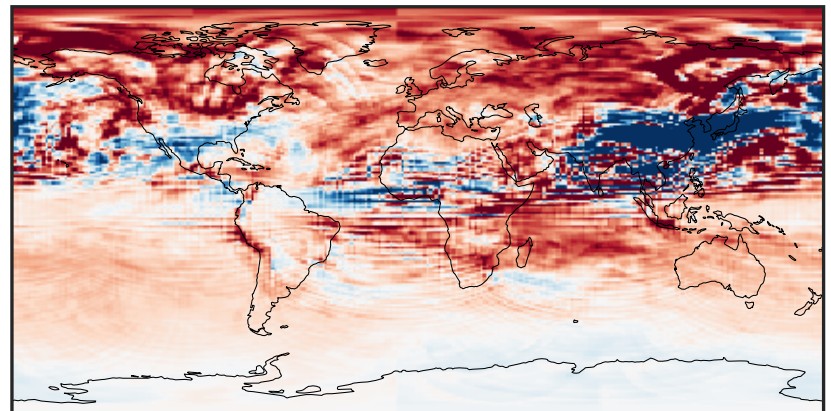
GCHP 14.2.2 using wind (c180) (Dev)
c180



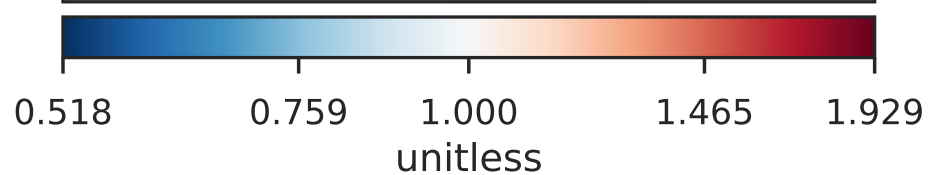
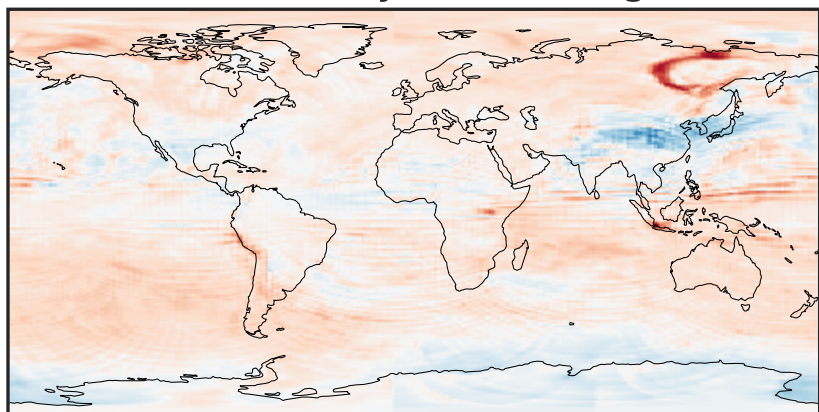
Difference (1x1.25)
Dev - Ref, Dynamic Range



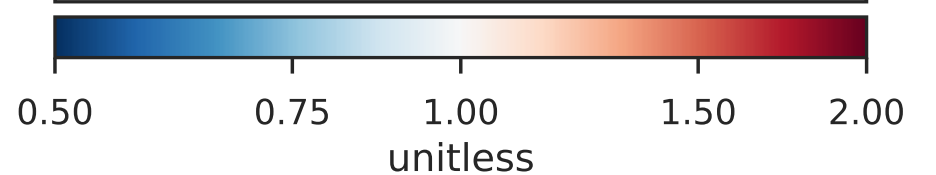
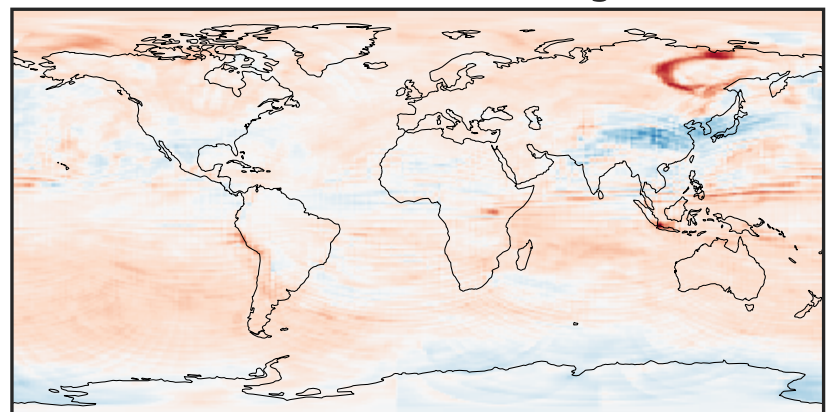
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

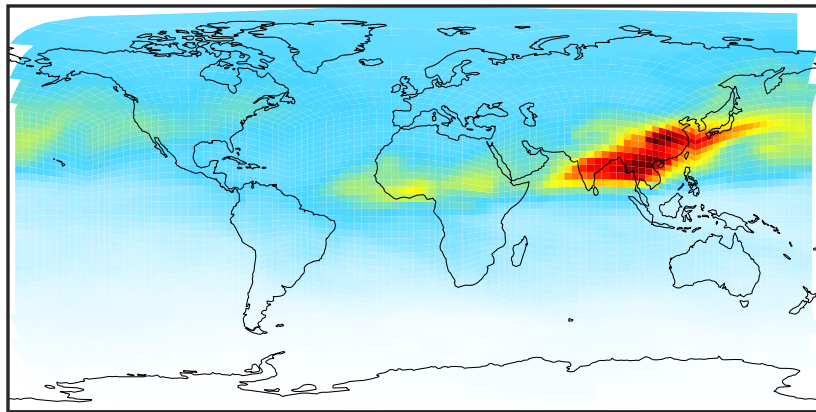


Ratio (1x1.25)
Dev/Ref, Fixed Range



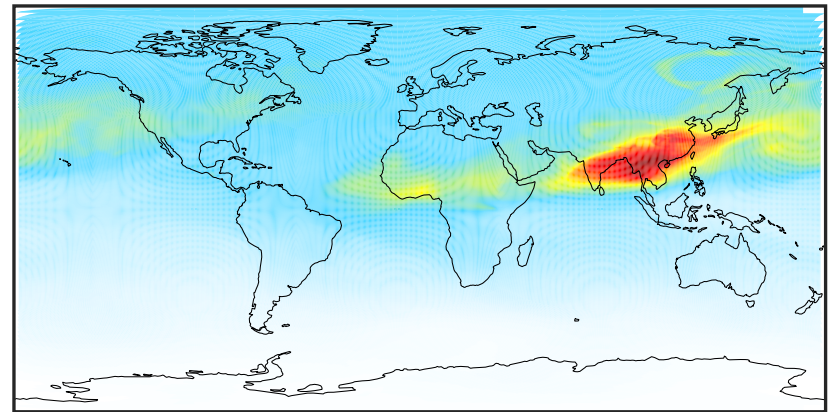
SpeciesConcVV_CO_50 (Oct2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



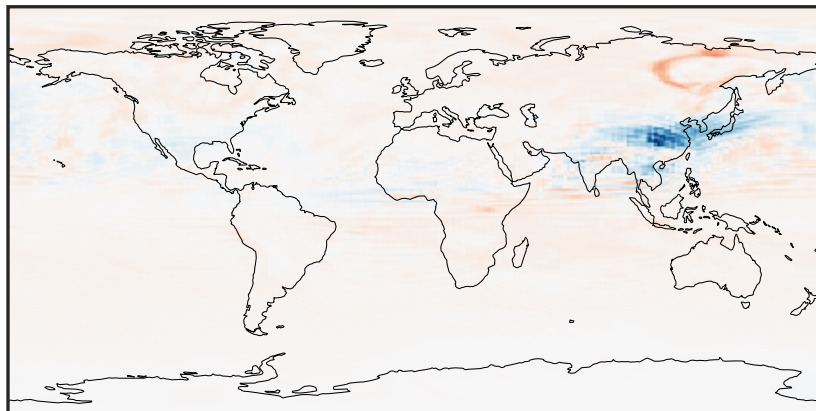
2.93 20.76 38.60 56.43 74.26
ppb

GCHP 14.2.2 using wind (c180) (Dev)
c180



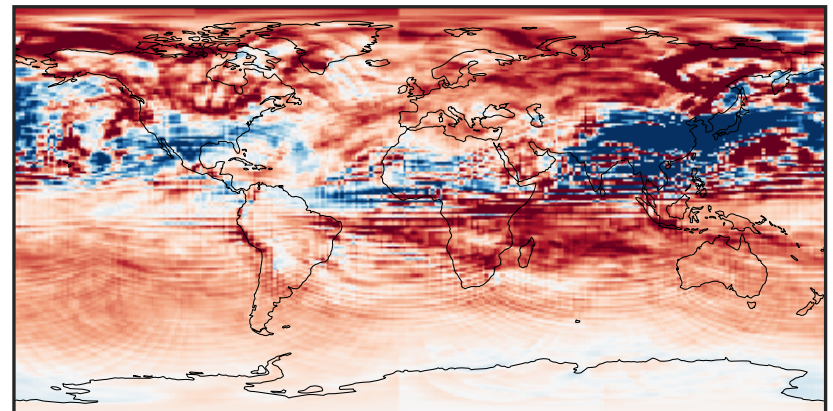
2.93 20.76 38.60 56.43 74.26
ppb

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



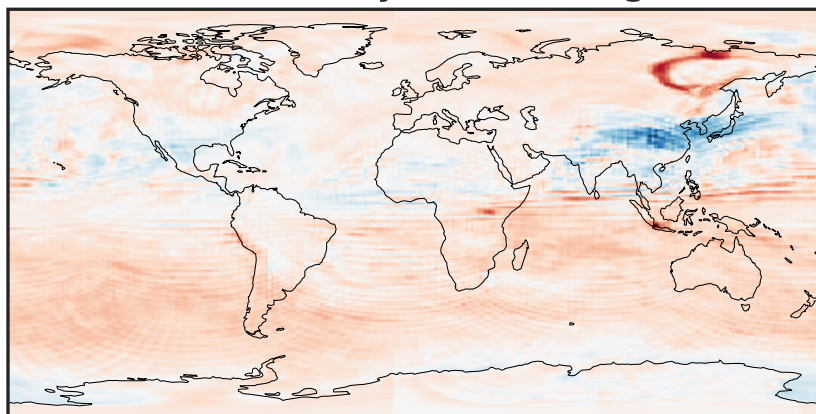
-19.61 -9.81 0.00 9.81 19.61
ppb

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



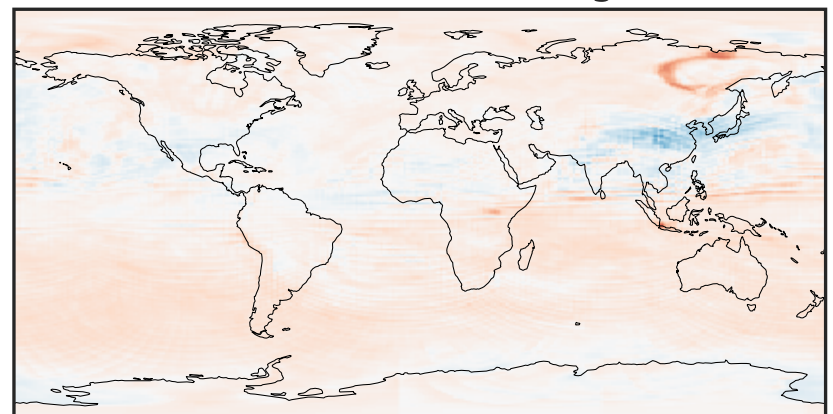
-1.404 -0.702 0.000 0.702 1.404
ppb

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



0.6718 0.8359 1.0000 1.2443 1.4886
unitless

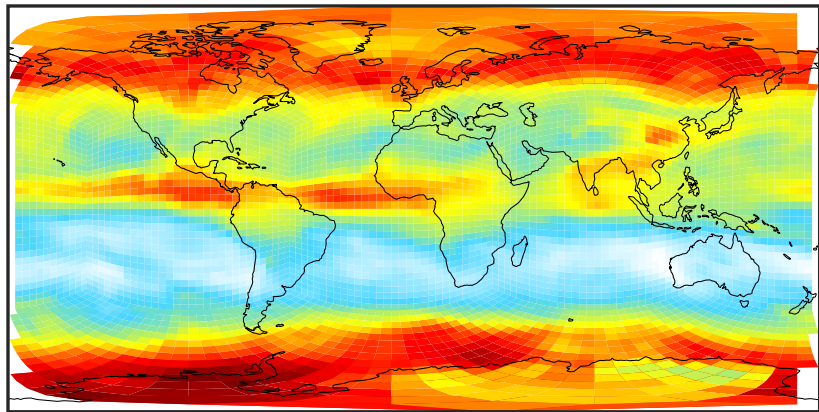
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

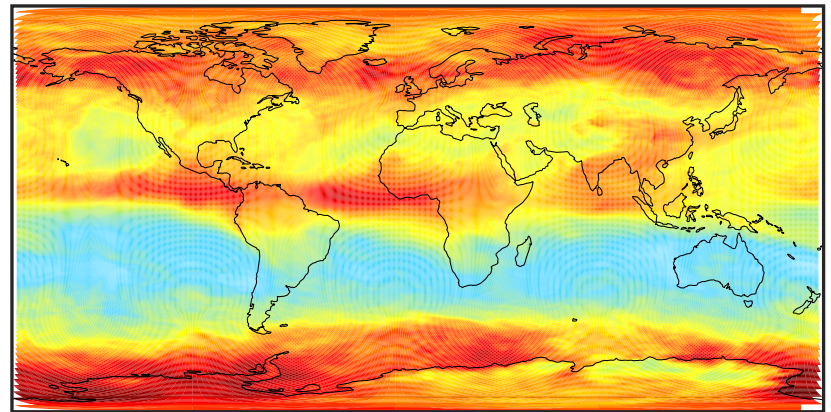
SpeciesConcVV_e90 (Oct2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



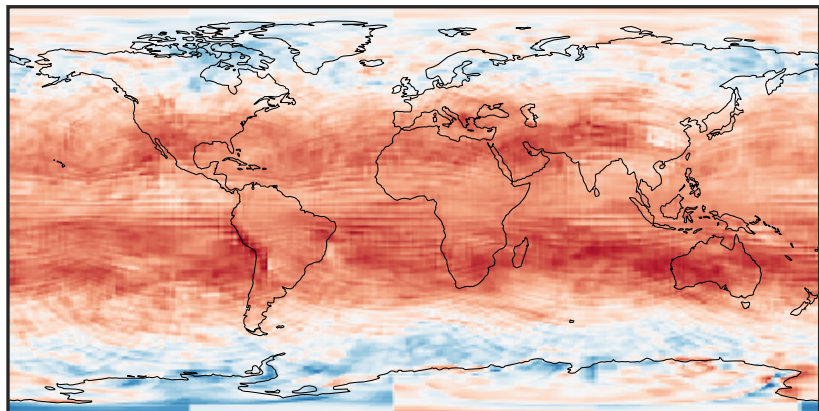
61.70 68.11 74.52 80.93 87.34
ppb

GCHP 14.2.2 using wind (c180) (Dev)
c180



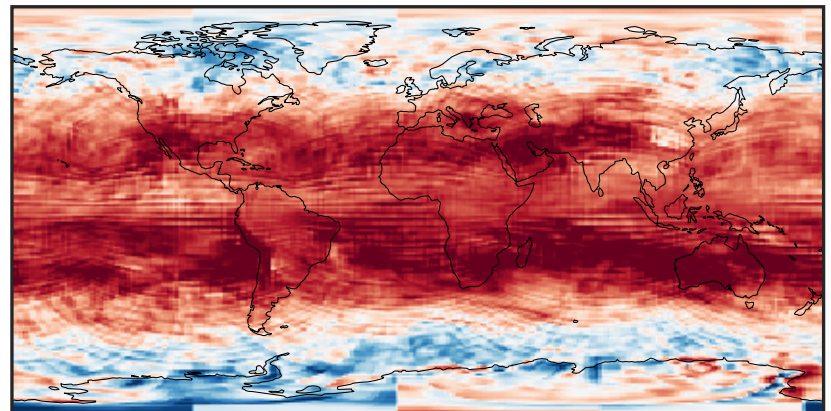
61.70 68.11 74.52 80.93 87.34
ppb

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



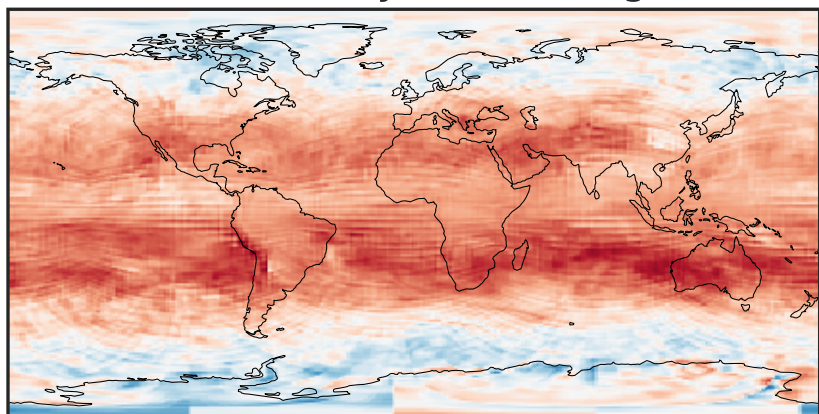
-6.23 -3.11 0.00 3.11 6.23
ppb

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



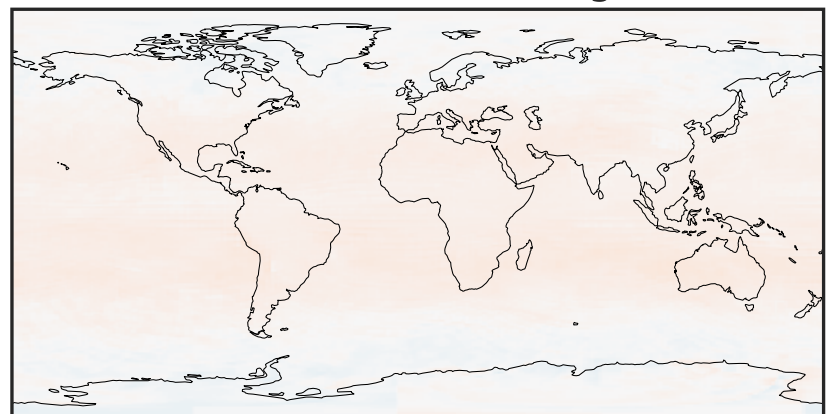
-3.870 -1.935 0.000 1.935 3.870
ppb

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



0.9152 0.9576 1.0000 1.0463 1.0927
unitless

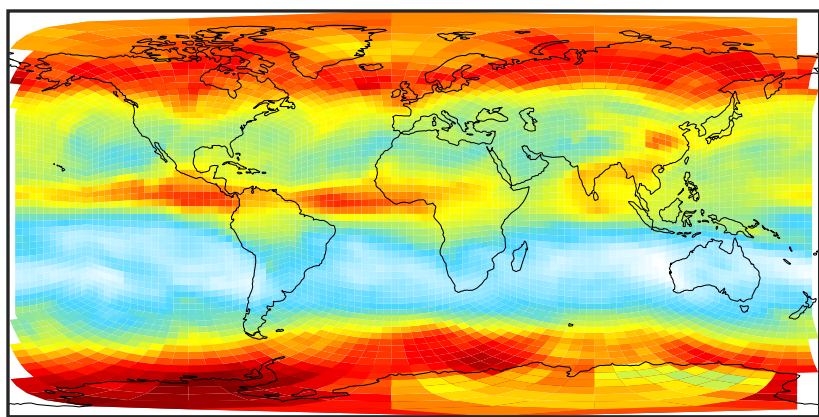
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

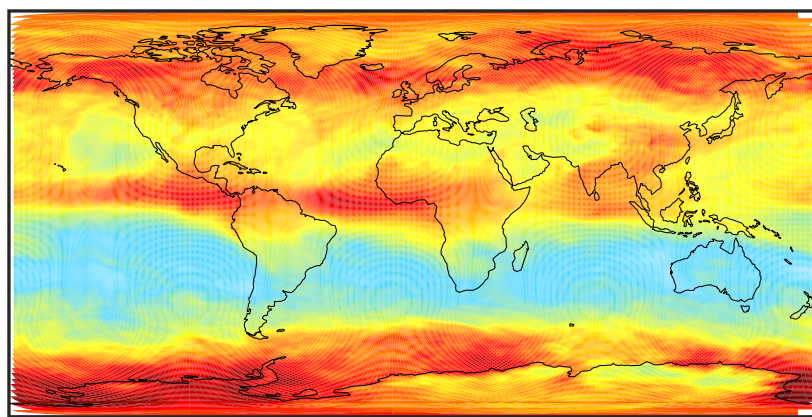
SpeciesConcVV_e90_n (Oct2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



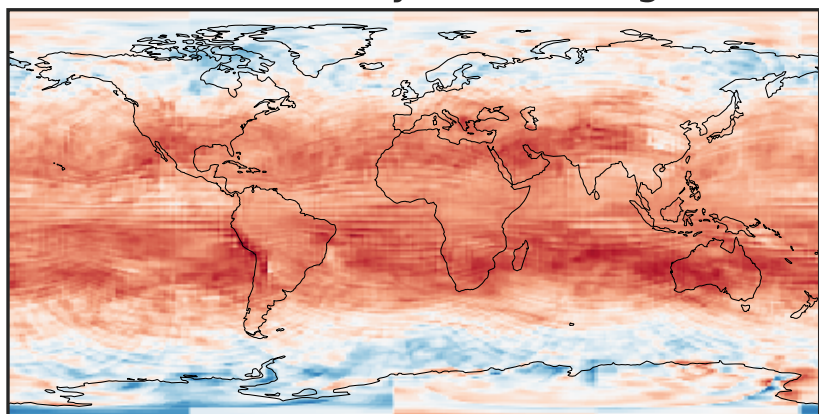
61.70 68.11 74.52 80.93 87.34
ppb

GCHP 14.2.2 using wind (c180) (Dev)
c180



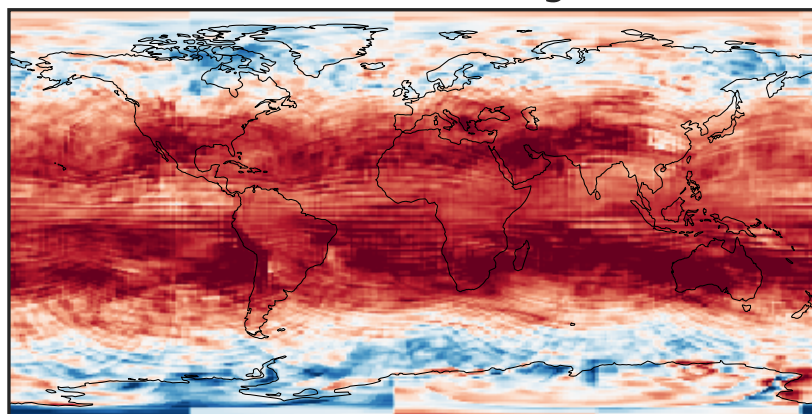
61.70 68.11 74.52 80.93 87.34
ppb

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



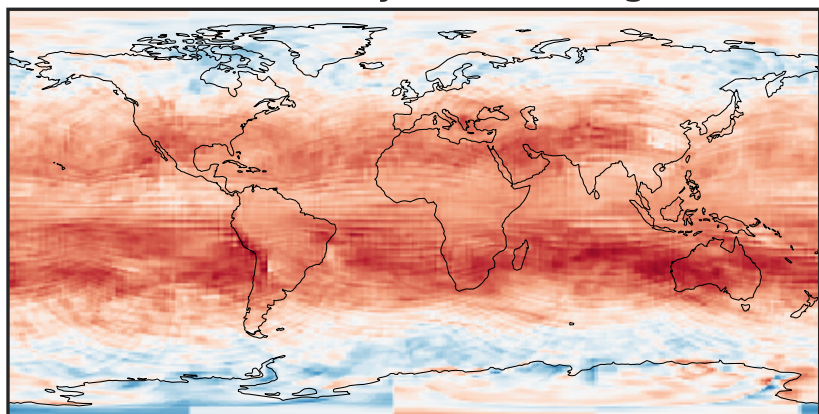
-6.23 -3.11 0.00 3.11 6.23
ppb

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



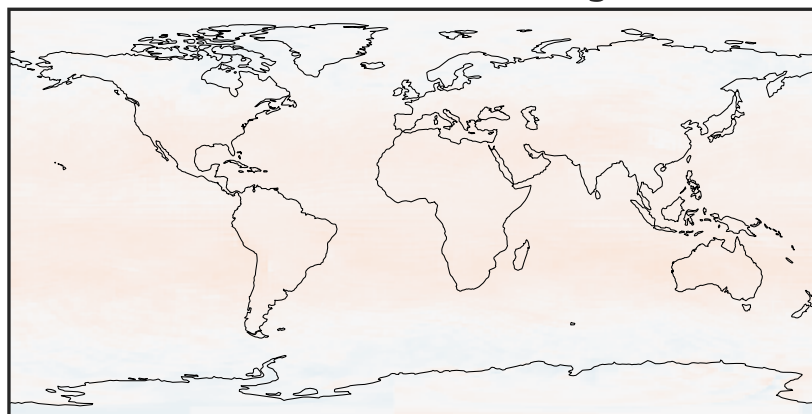
-3.870 -1.935 0.000 1.935 3.870
ppb

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



0.9152 0.9576 1.0000 1.0463 1.0927
unitless

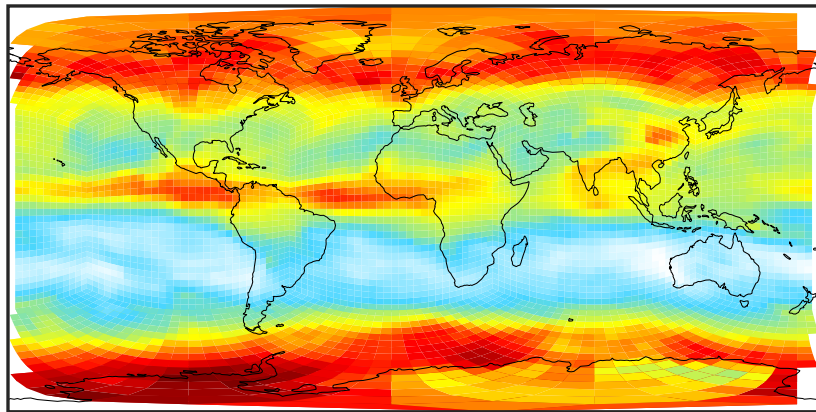
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

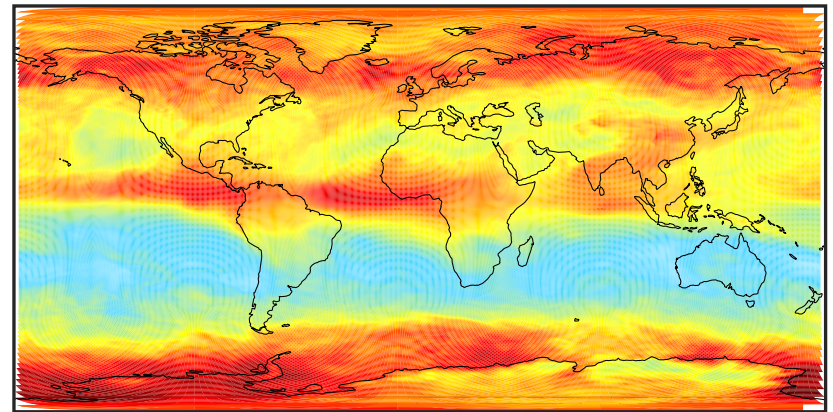
SpeciesConcVV_e90_s (Oct2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



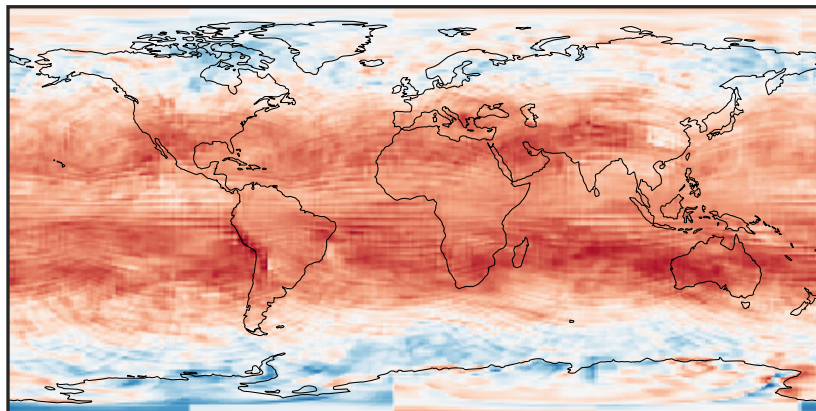
61.70 68.11 74.52 80.93 87.34
ppb

GCHP 14.2.2 using wind (c180) (Dev)
c180



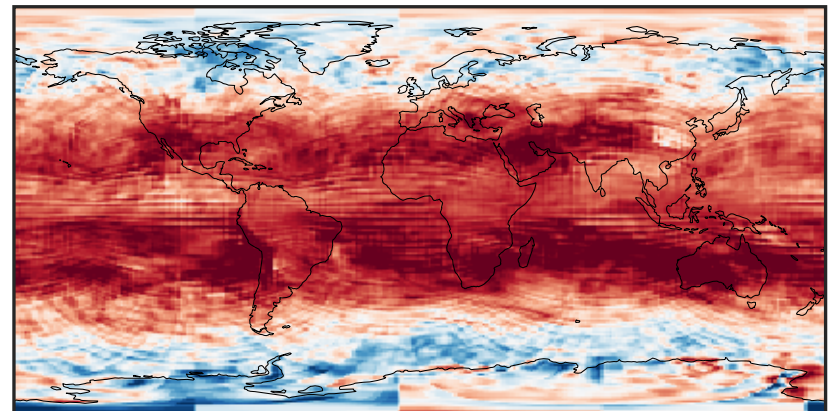
61.70 68.11 74.52 80.93 87.34
ppb

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



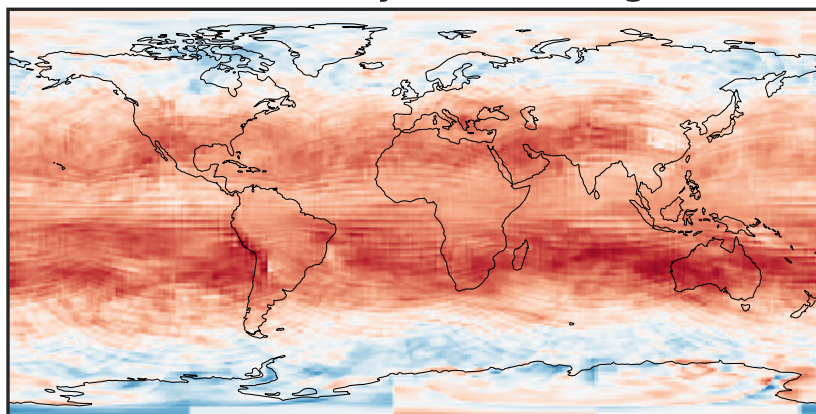
-6.23 -3.11 0.00 3.11 6.23
ppb

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



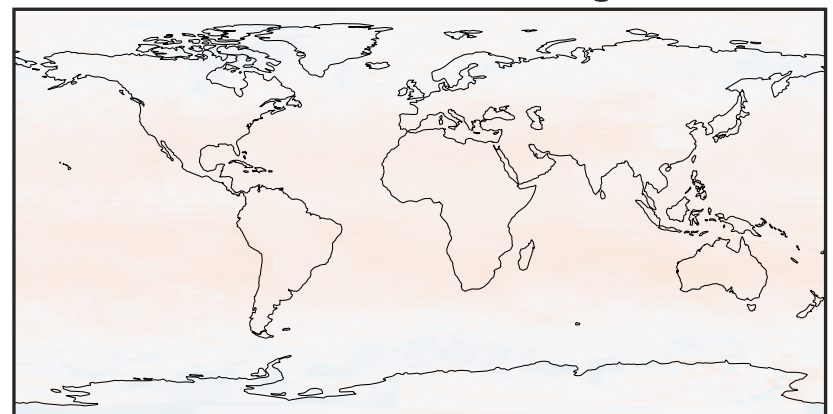
-3.870 -1.935 0.000 1.935 3.870
ppb

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



0.9152 0.9576 1.0000 1.0463 1.0927
unitless

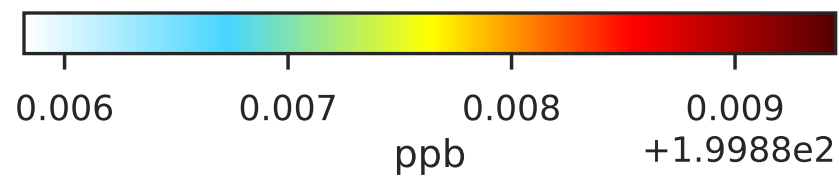
Ratio (1x1.25)
Dev/Ref, Fixed Range



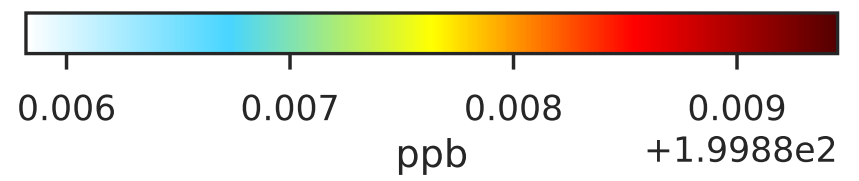
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_st80_25 (Oct2019)

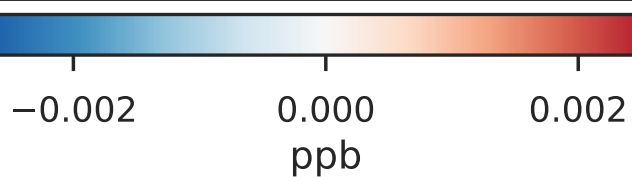
GCHP 14.2.2 using wind (c30) (Ref)
c30



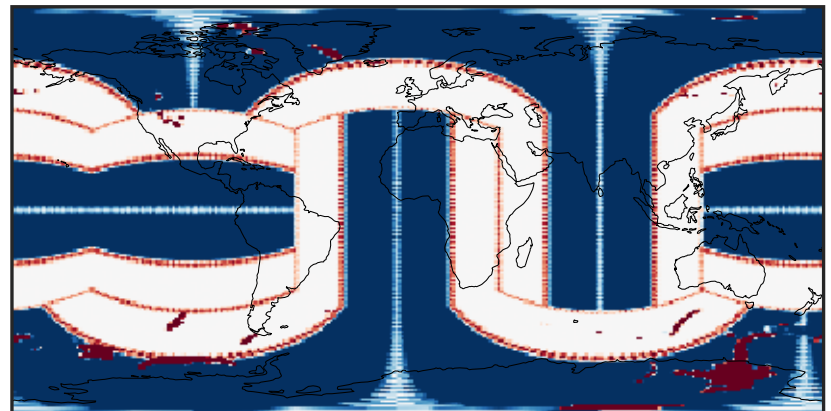
GCHP 14.2.2 using wind (c180) (Dev)
c180



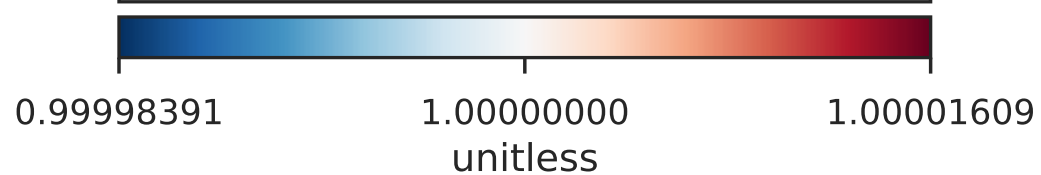
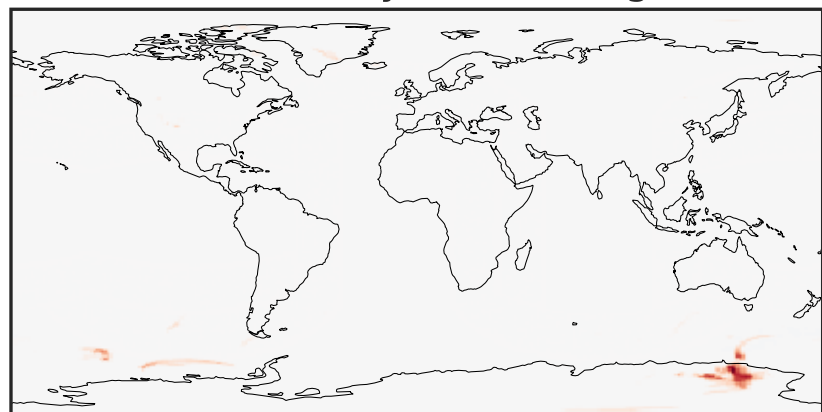
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

