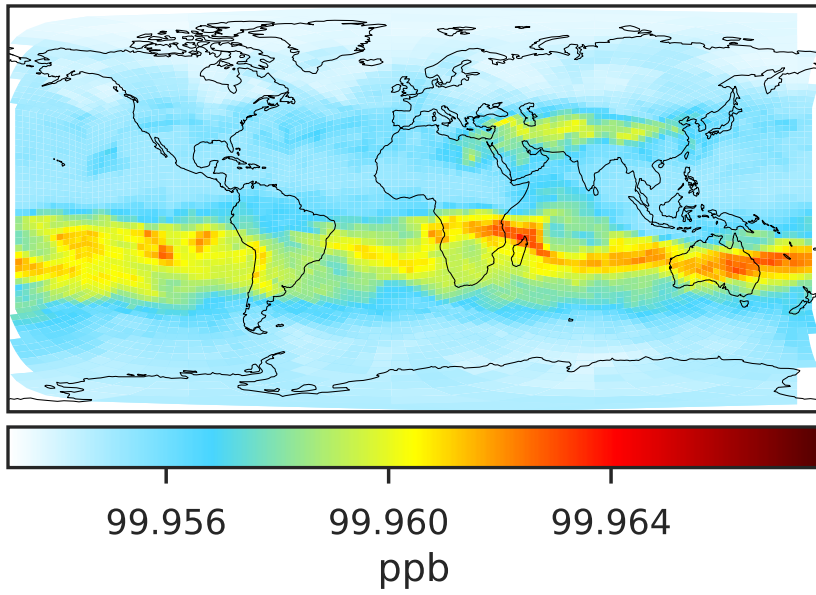
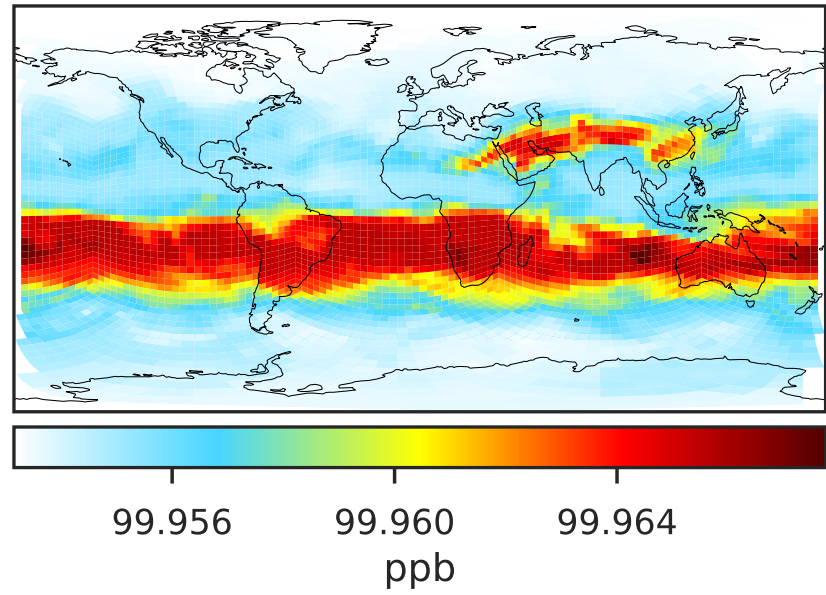


SpeciesConcVV_PassiveTracer (Jul2019)

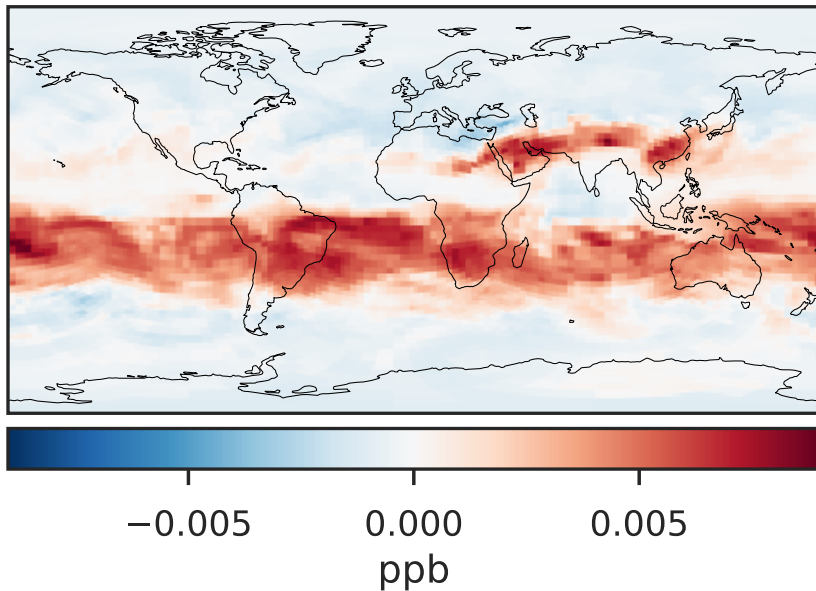
GCHP 14.2.2 using wind (Ref)
c30



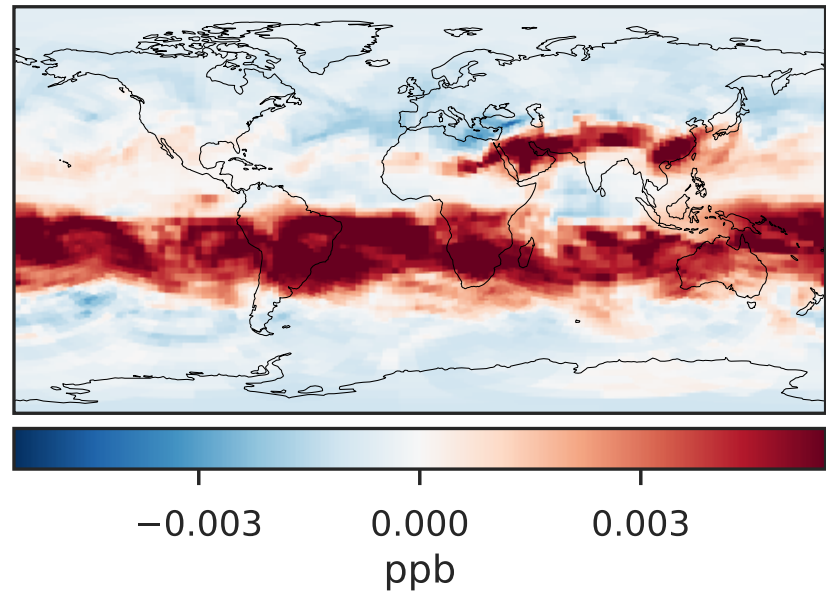
GCHP 14.2.2 using mass flux (Dev)
c30



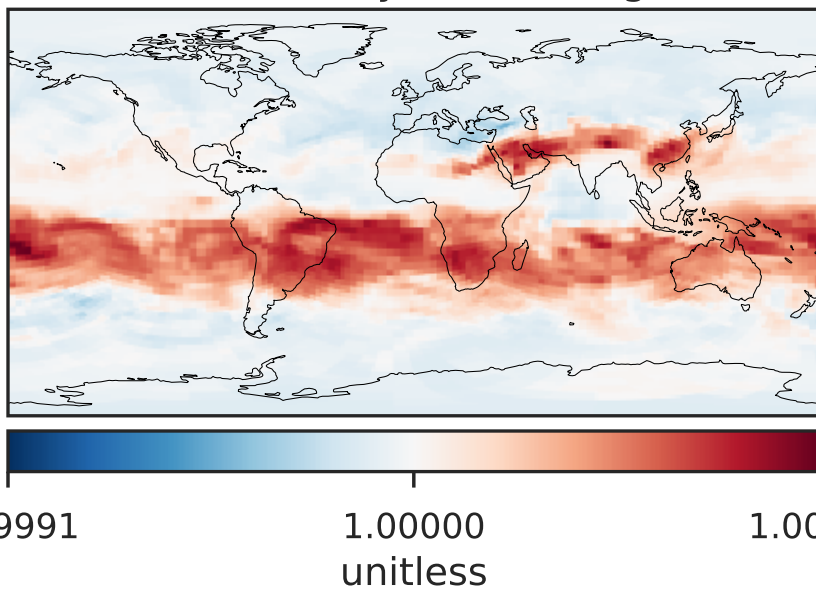
Difference (1x1.25)
Dev - Ref, Dynamic Range



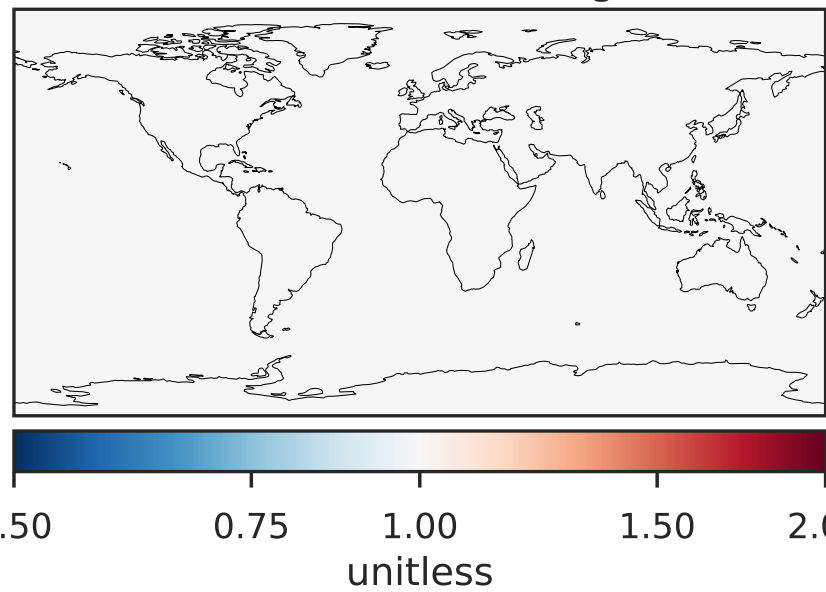
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

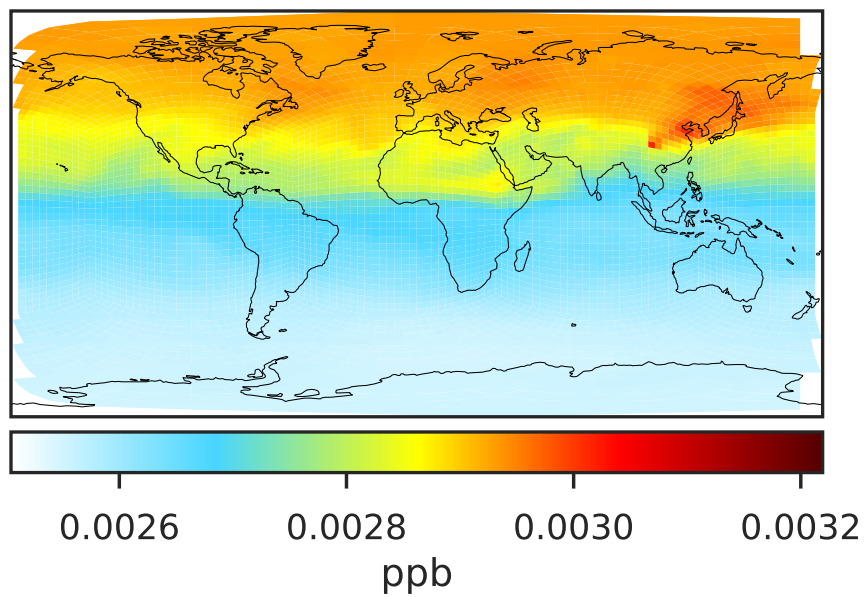


Ratio (1x1.25)
Dev/Ref, Fixed Range

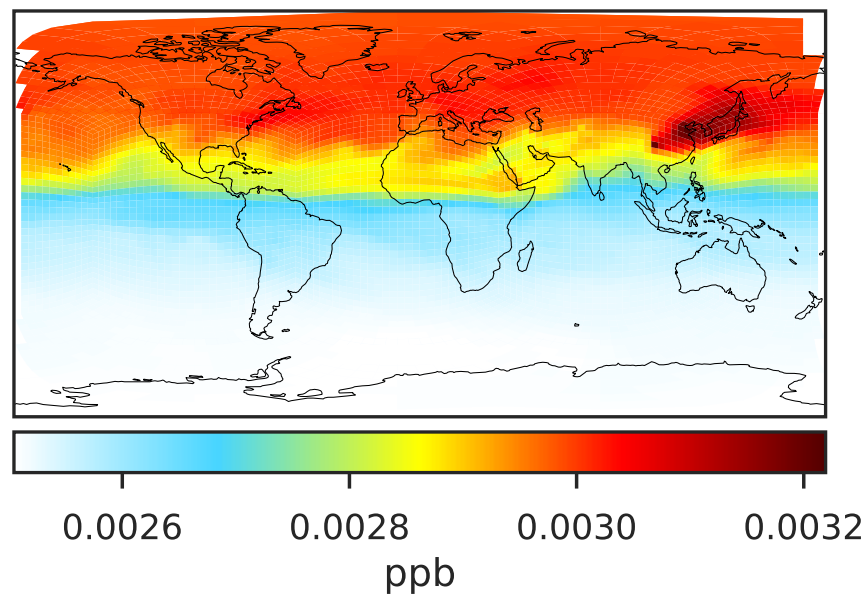


SpeciesConcVV_SF6 (Jul2019)

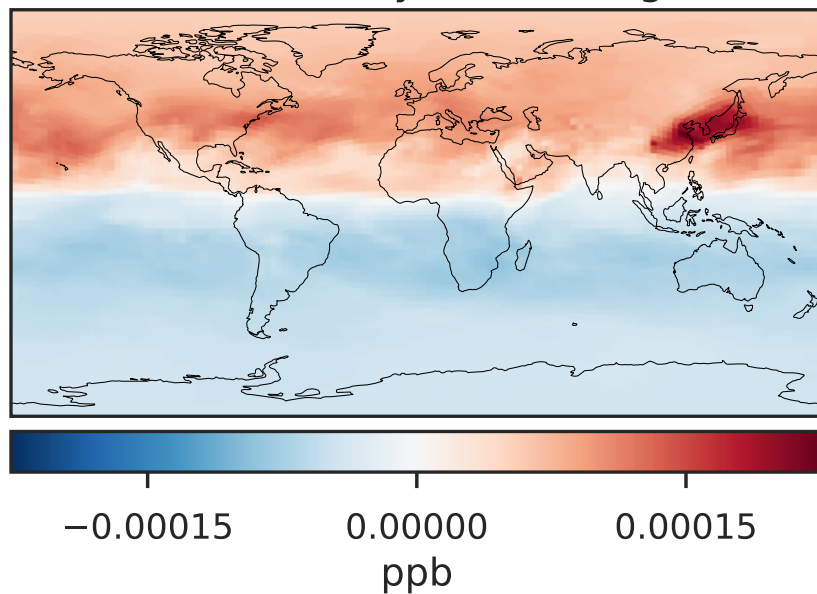
GCHP 14.2.2 using wind (Ref)
c30



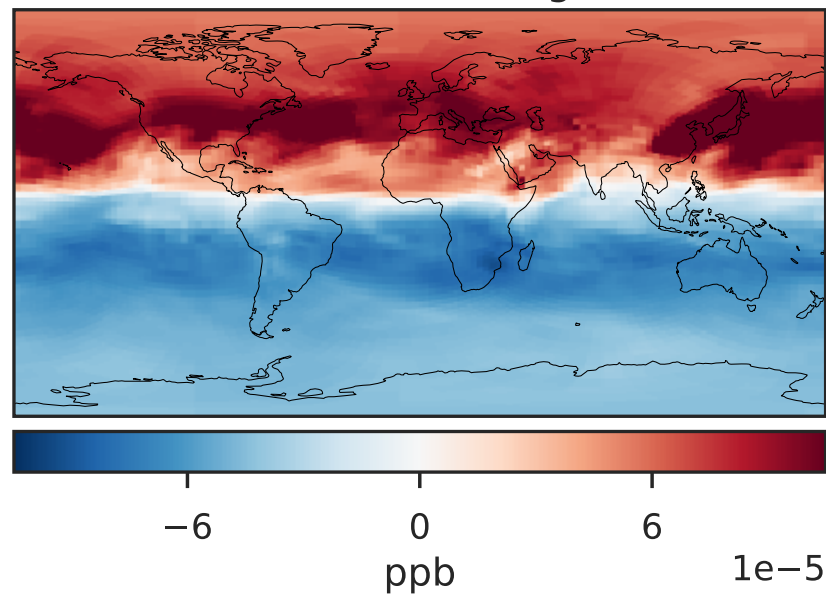
GCHP 14.2.2 using mass flux (Dev)
c30



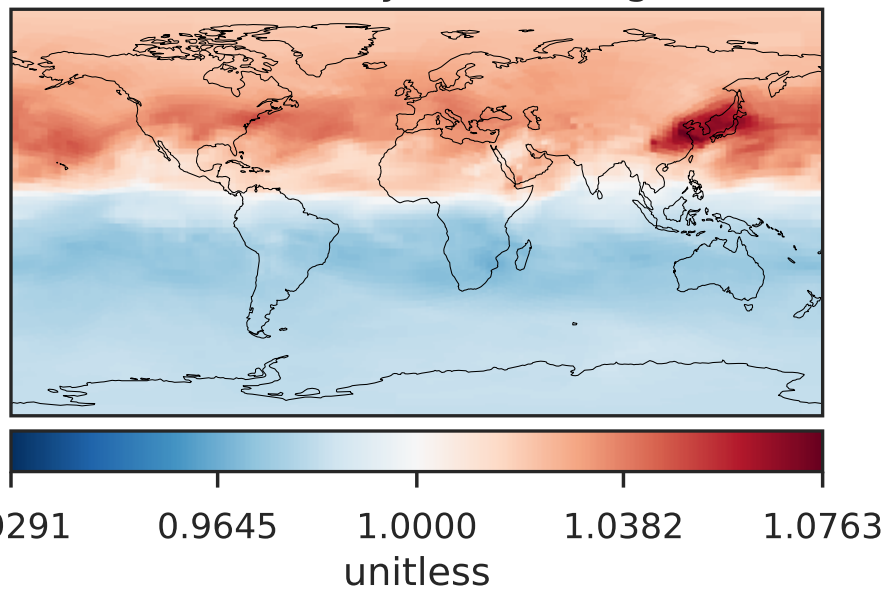
Difference (1x1.25)
Dev - Ref, Dynamic Range



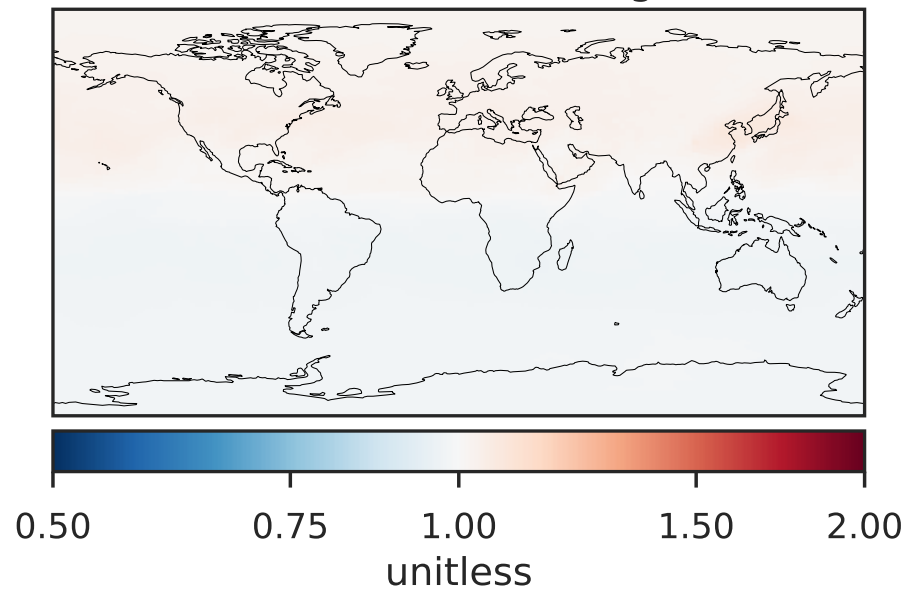
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

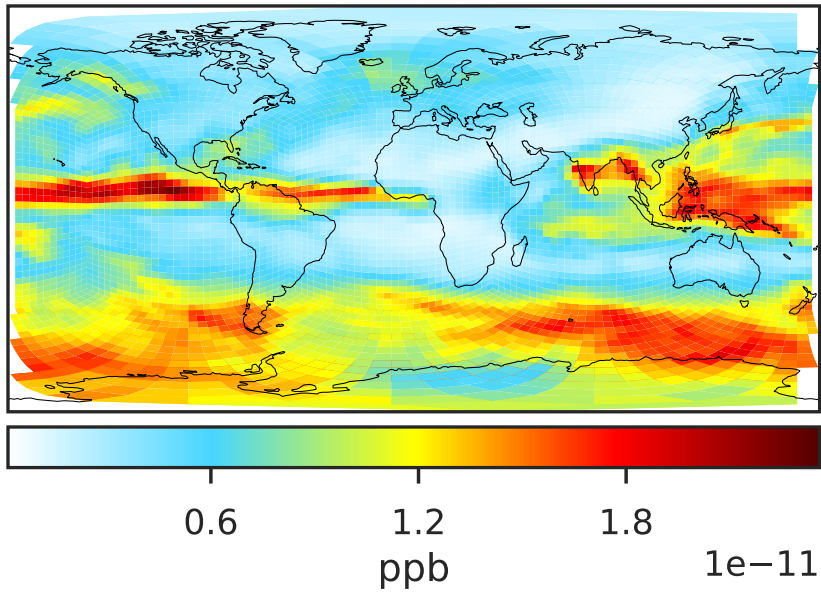


Ratio (1x1.25)
Dev/Ref, Fixed Range

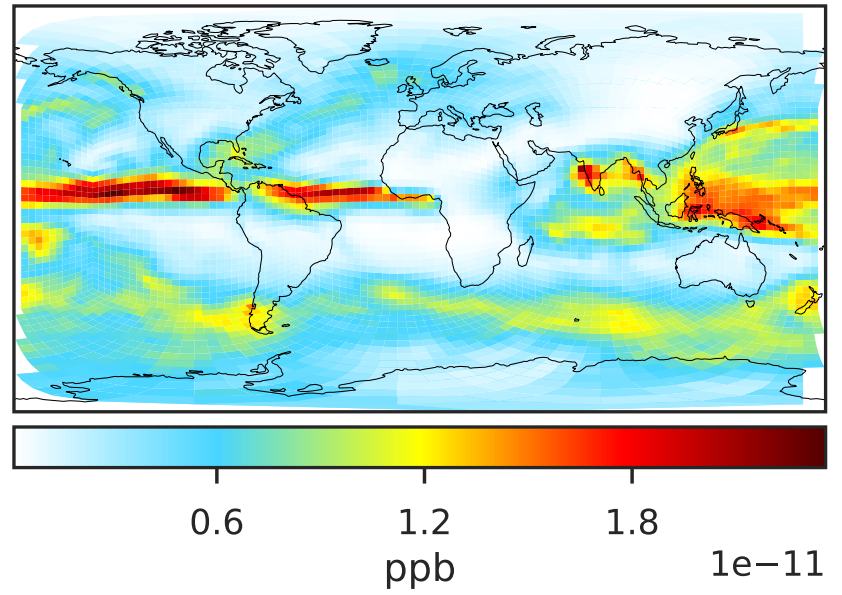


SpeciesConcVV_CH3I (Jul2019)

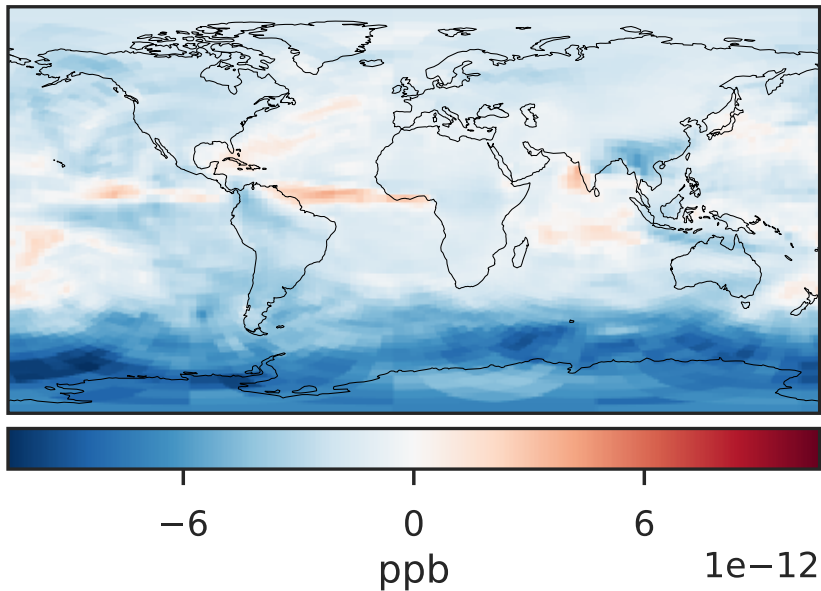
GCHP 14.2.2 using wind (Ref)
c30



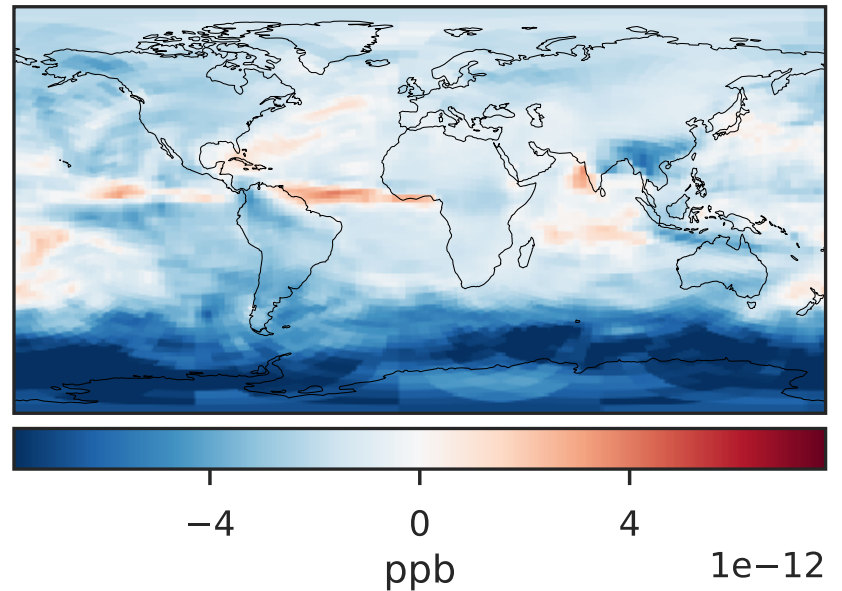
GCHP 14.2.2 using mass flux (Dev)
c30



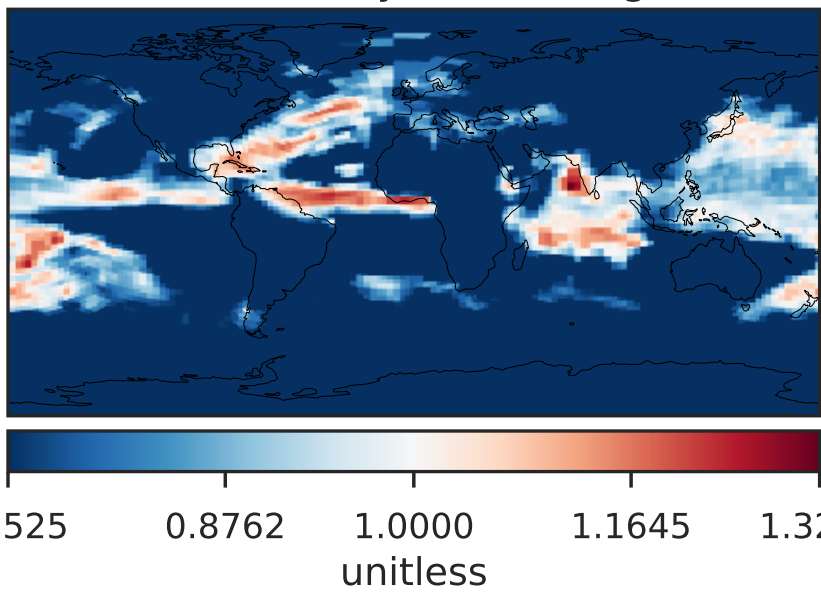
Difference (1x1.25)
Dev - Ref, Dynamic Range



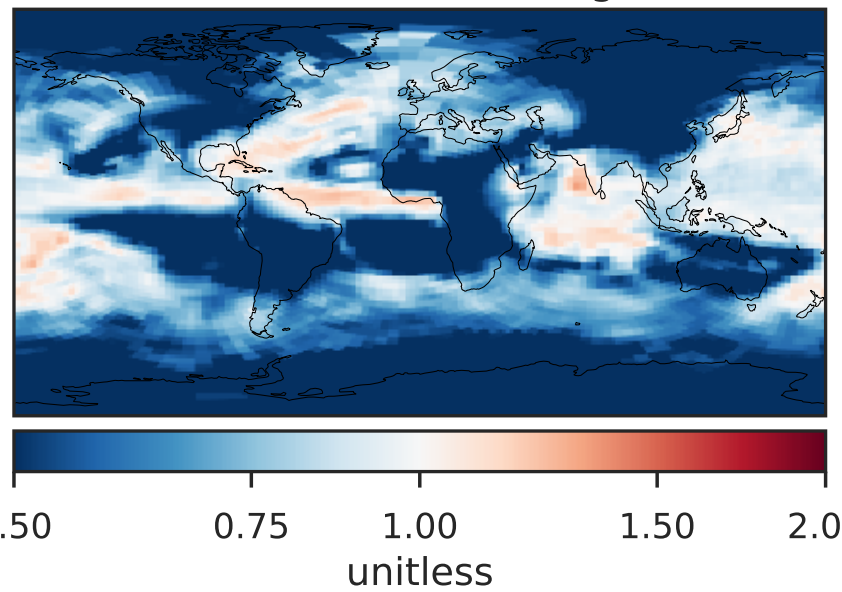
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

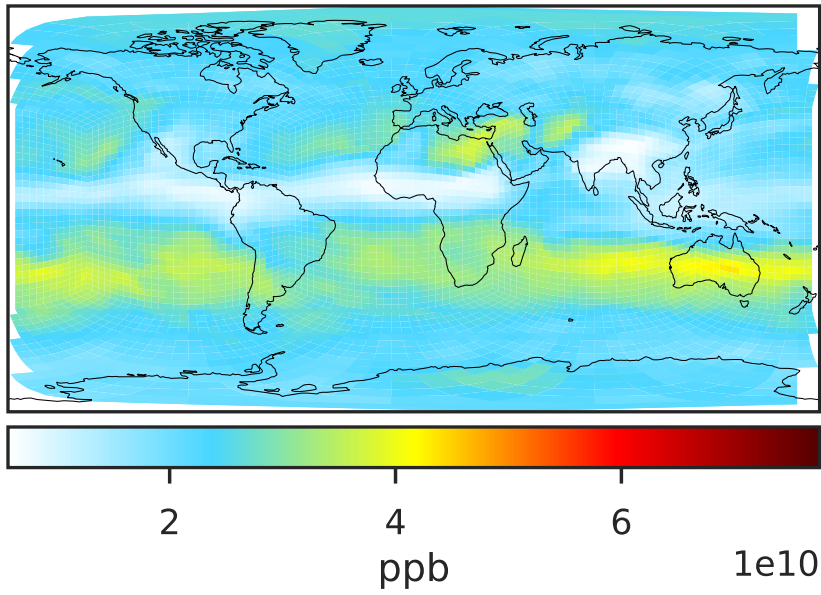


Ratio (1x1.25)
Dev/Ref, Fixed Range

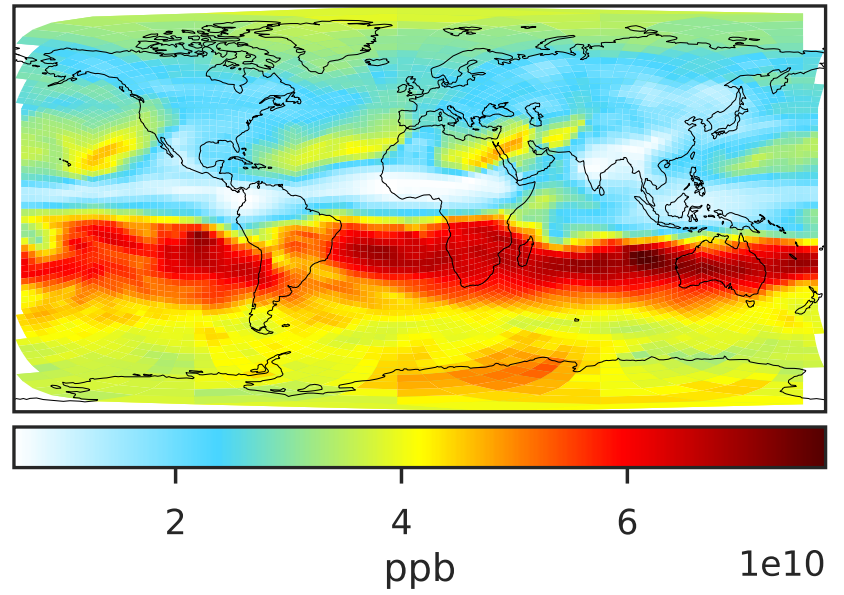


SpeciesConcVV_aoa (Jul2019)

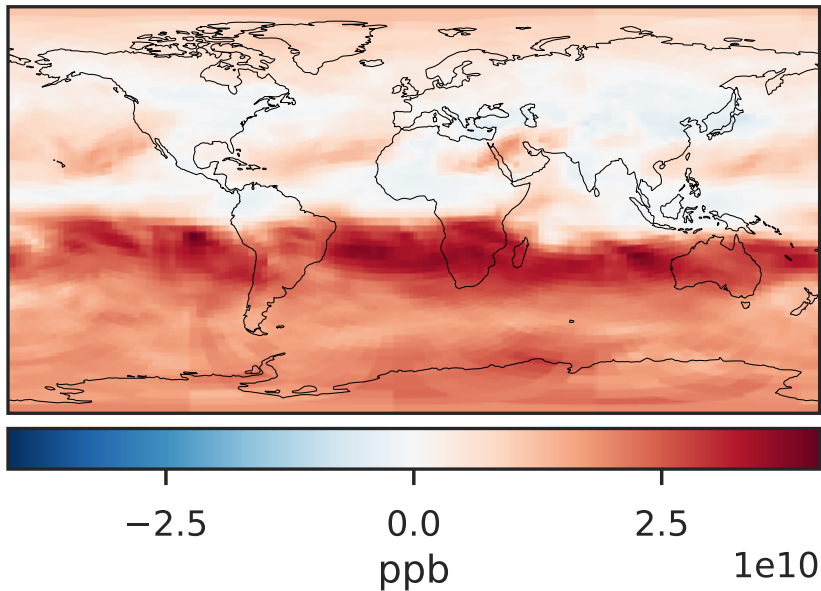
GCHP 14.2.2 using wind (Ref)
c30



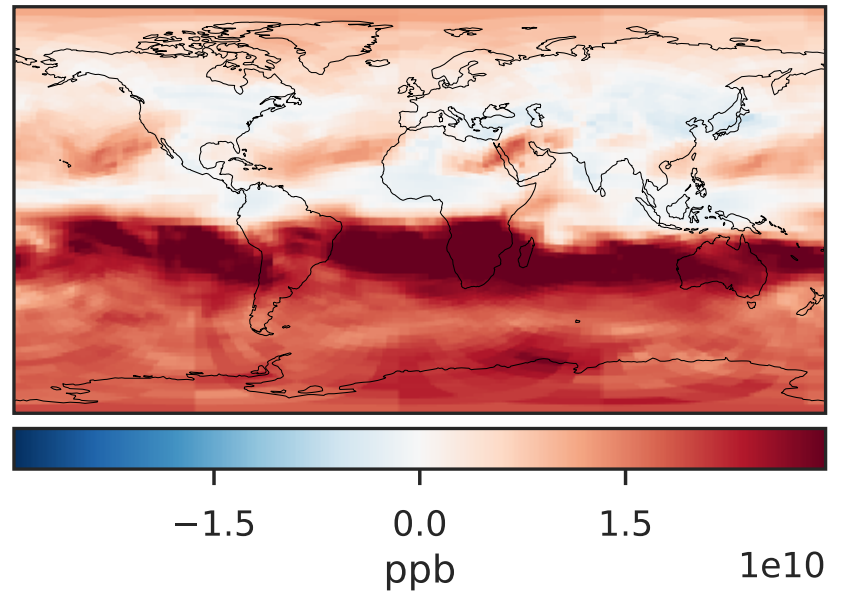
GCHP 14.2.2 using mass flux (Dev)
c30



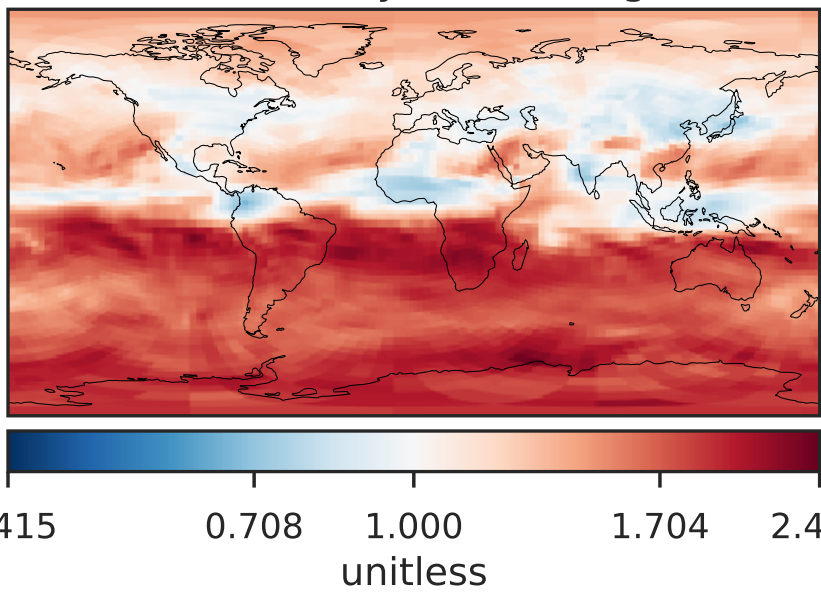
Difference (1x1.25)
Dev - Ref, Dynamic Range



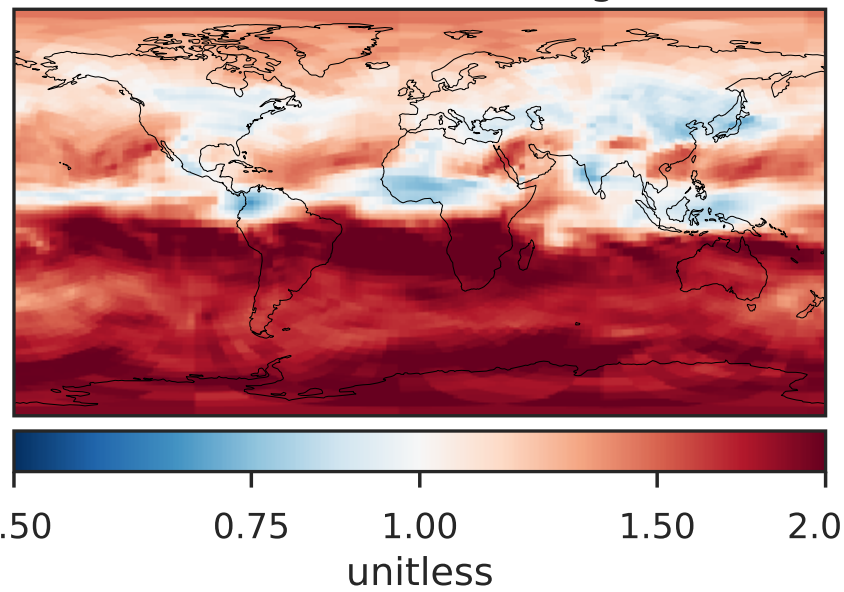
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

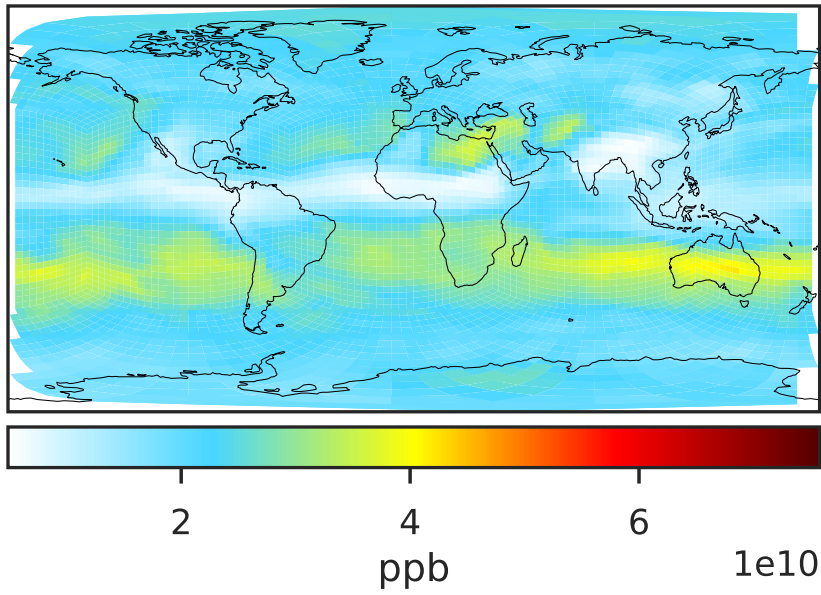


Ratio (1x1.25)
Dev/Ref, Fixed Range

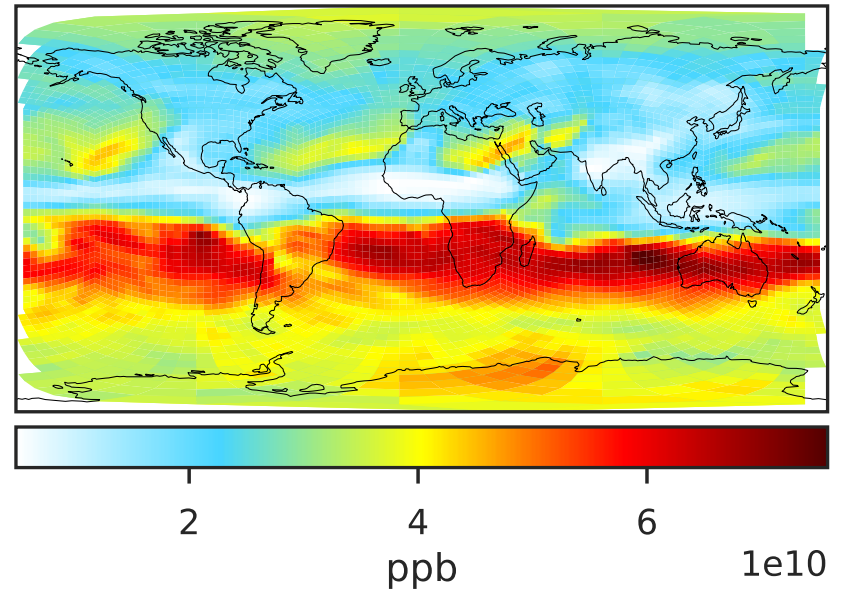


SpeciesConcVV_aoa_bl (Jul2019)

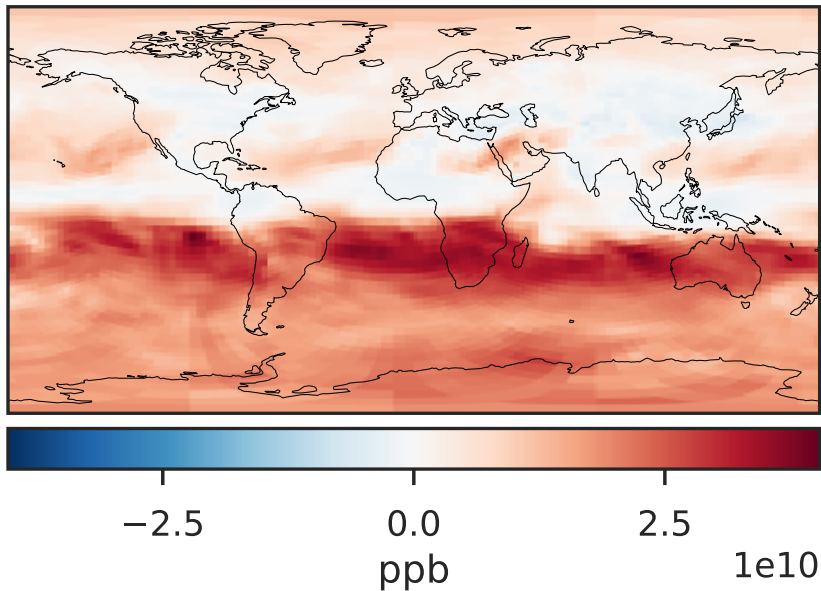
GCHP 14.2.2 using wind (Ref)
c30



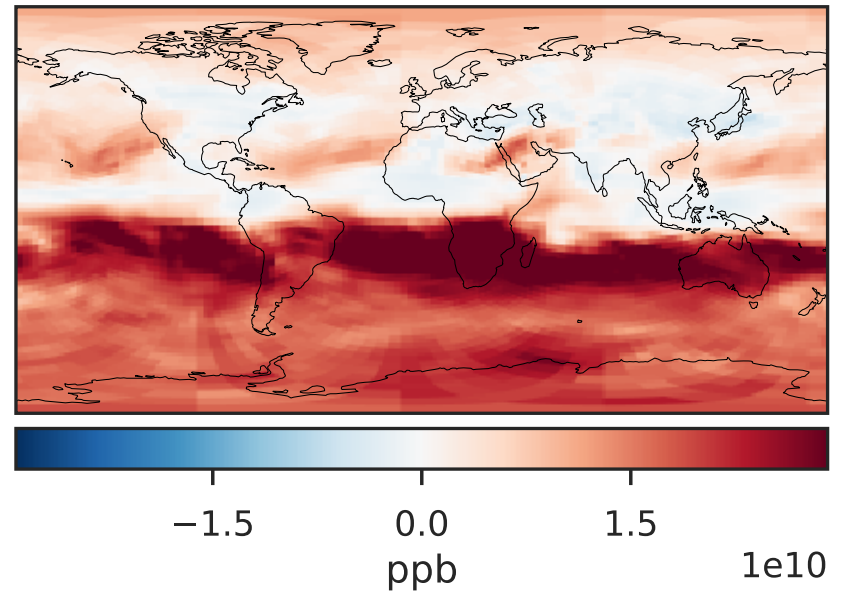
GCHP 14.2.2 using mass flux (Dev)
c30



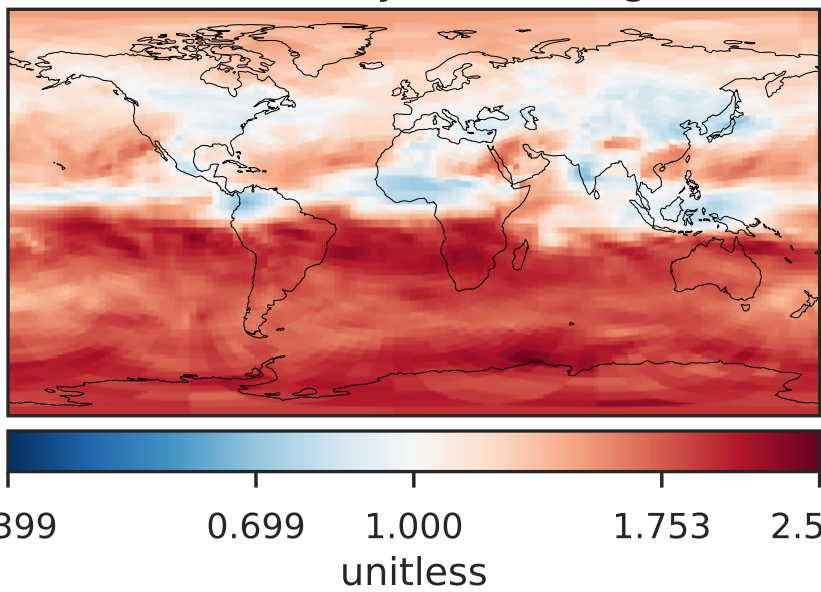
Difference (1x1.25)
Dev - Ref, Dynamic Range



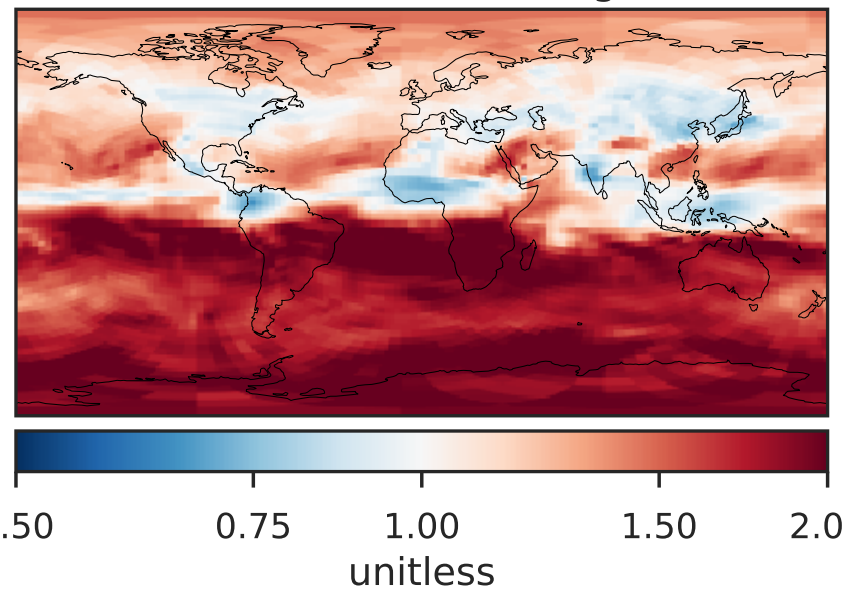
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

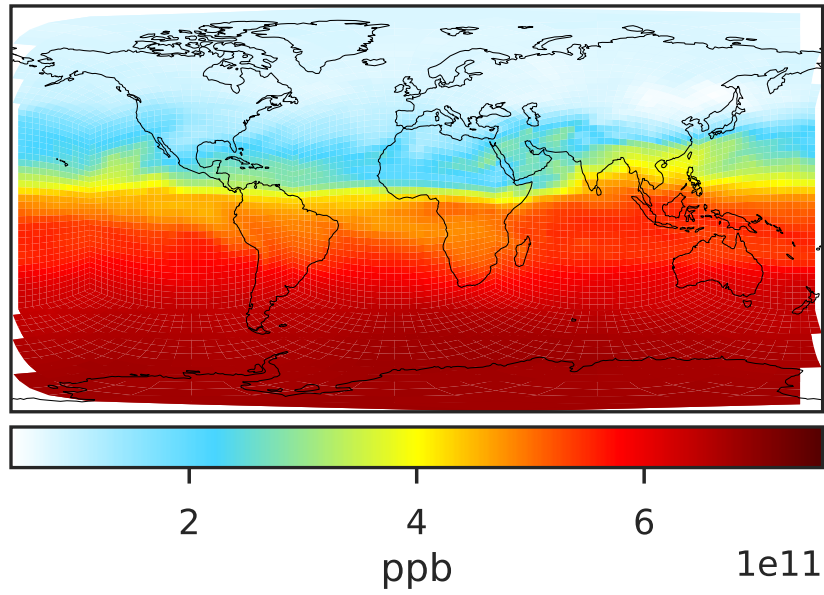


Ratio (1x1.25)
Dev/Ref, Fixed Range

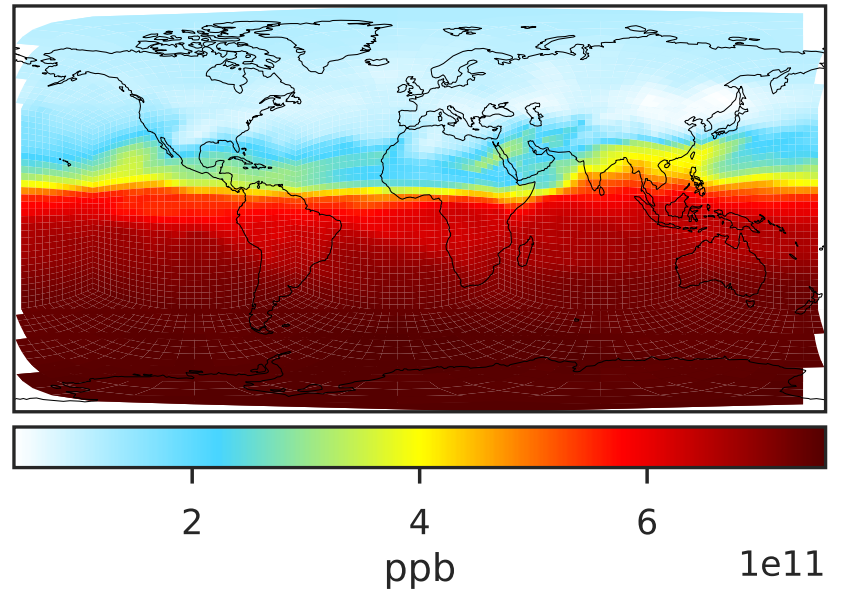


SpeciesConcVV_aoa_nh (Jul2019)

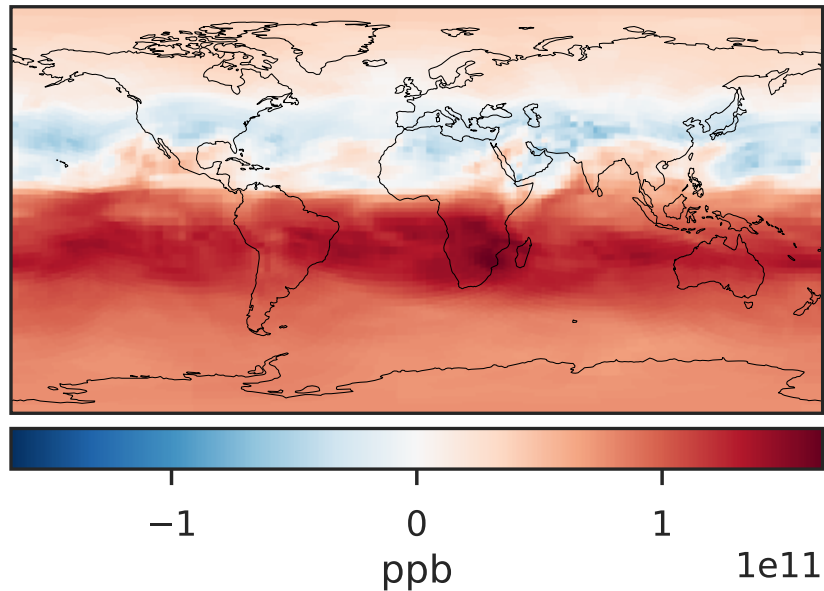
GCHP 14.2.2 using wind (Ref)
c30



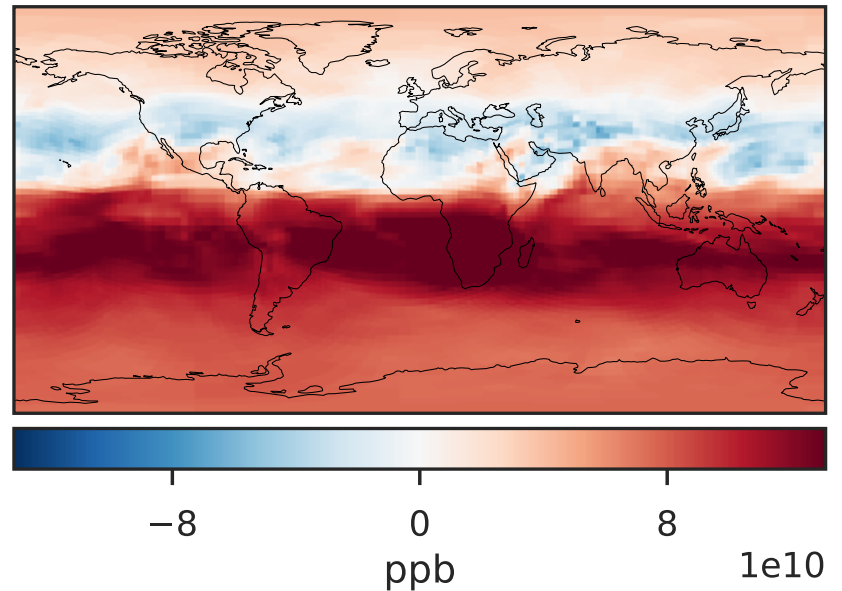
GCHP 14.2.2 using mass flux (Dev)
c30



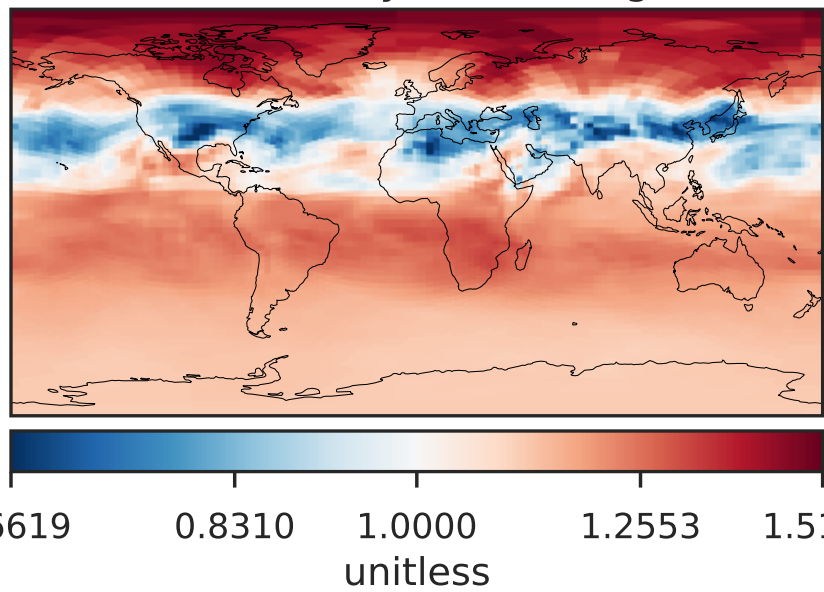
Difference (1x1.25)
Dev - Ref, Dynamic Range



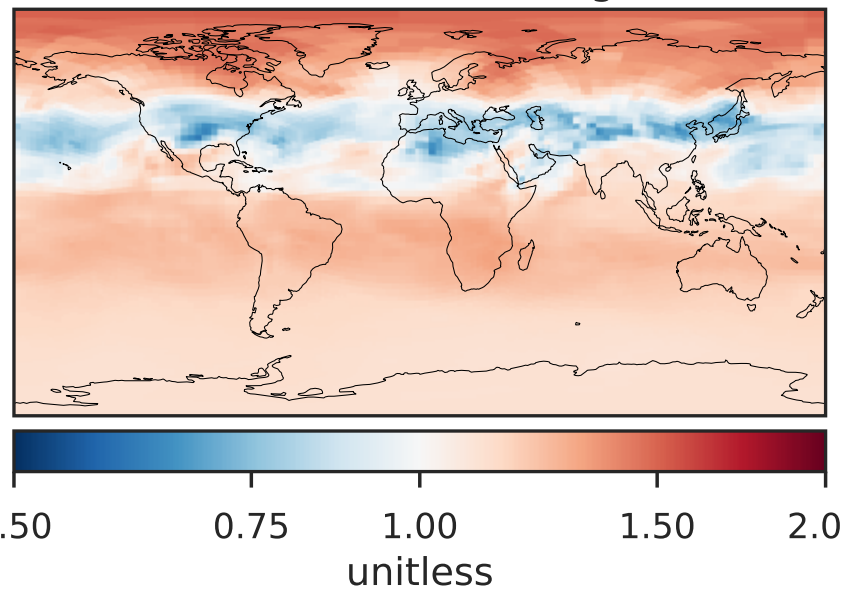
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

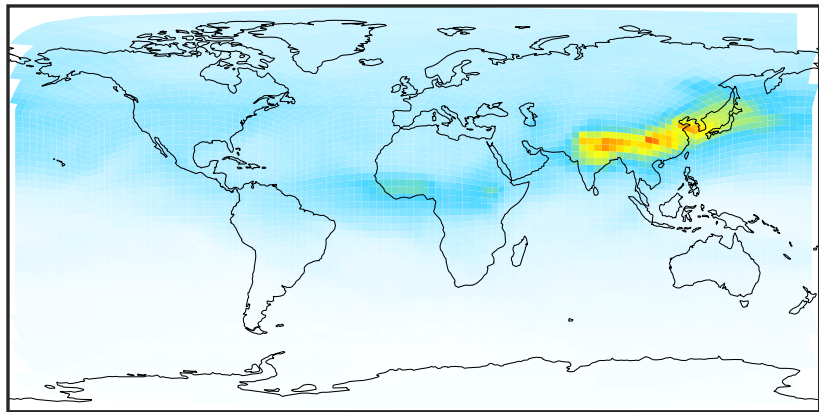


Ratio (1x1.25)
Dev/Ref, Fixed Range



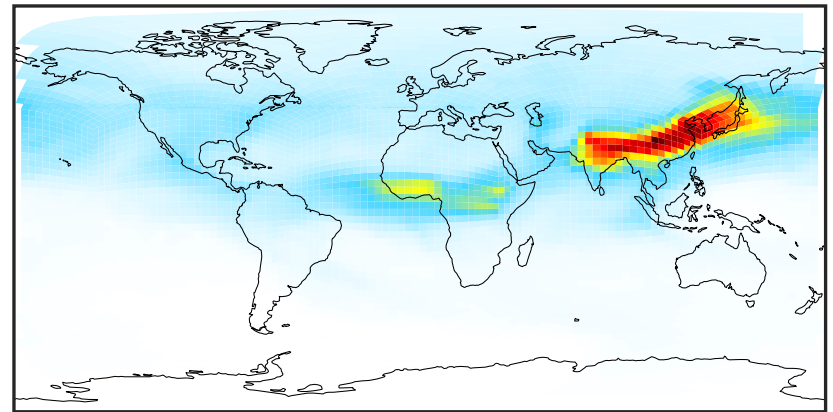
SpeciesConcVV_CO_25 (Jul2019)

GCHP 14.2.2 using wind (Ref)
c30



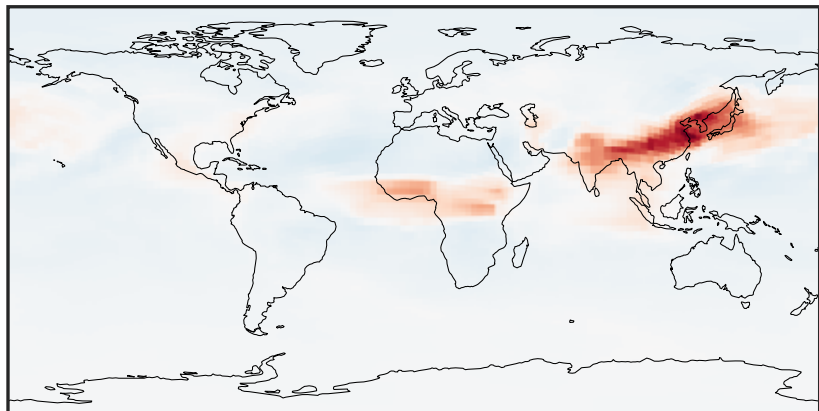
0.51 20.19 39.87 59.56 79.24
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



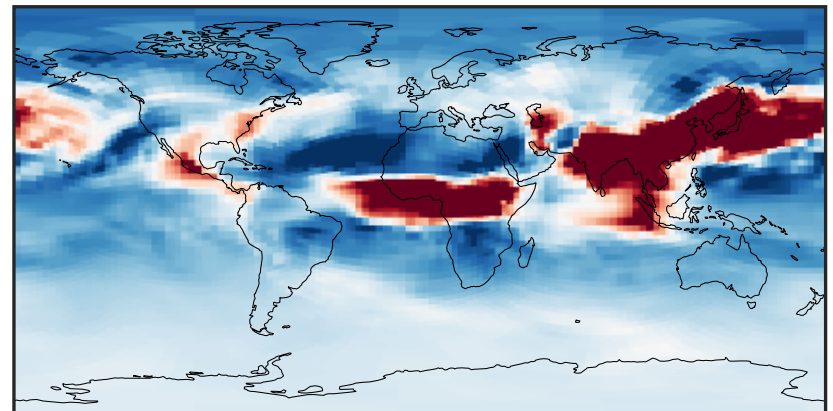
0.51 20.19 39.87 59.56 79.24
ppb

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



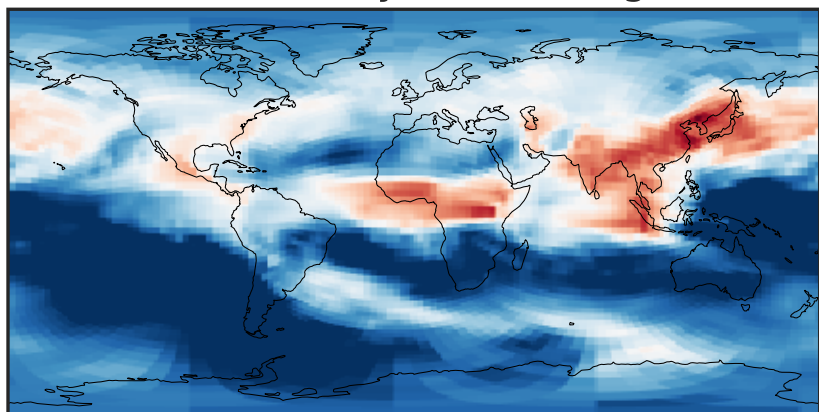
-33.66 -16.83 0.00 16.83 33.66
ppb

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



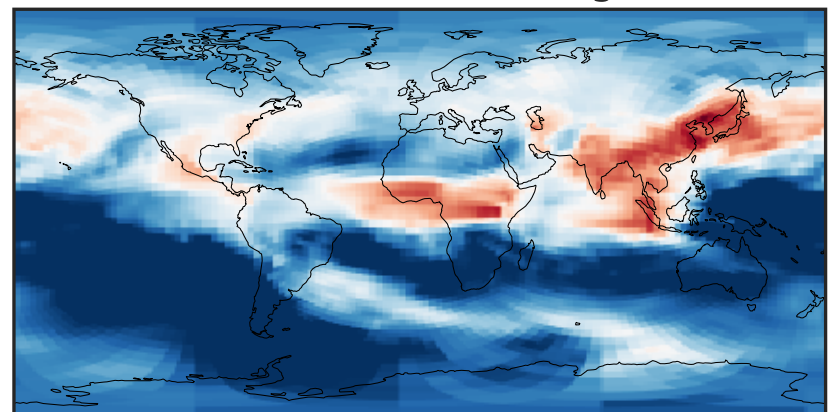
-3.435 -1.717 0.000 1.717 3.435
ppb

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



0.493 0.747 1.000 1.513 2.026
unitless

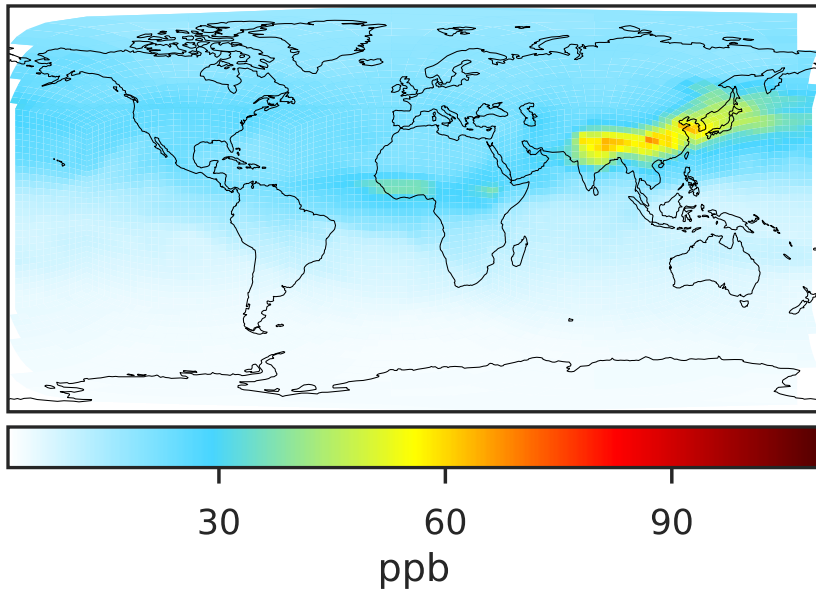
Ratio (1x1.25)
Dev/Ref, Fixed Range



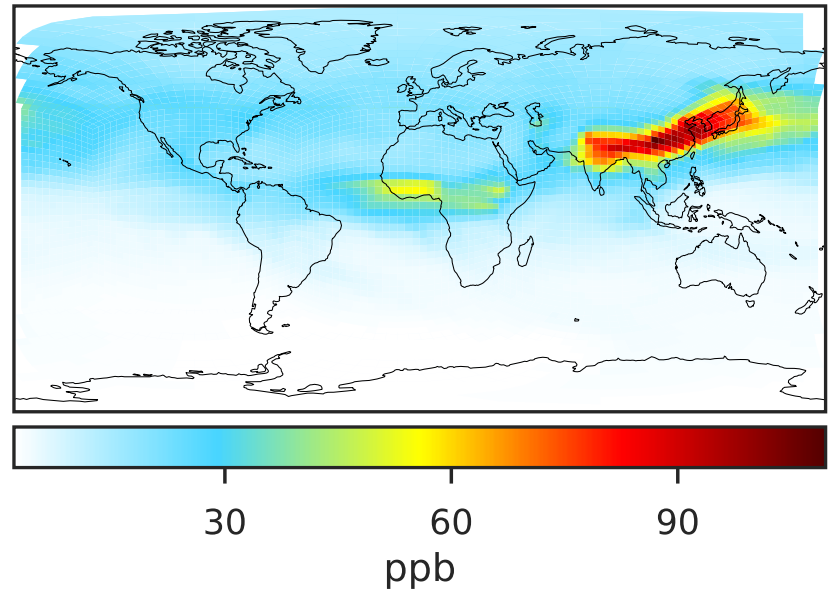
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_CO_50 (Jul2019)

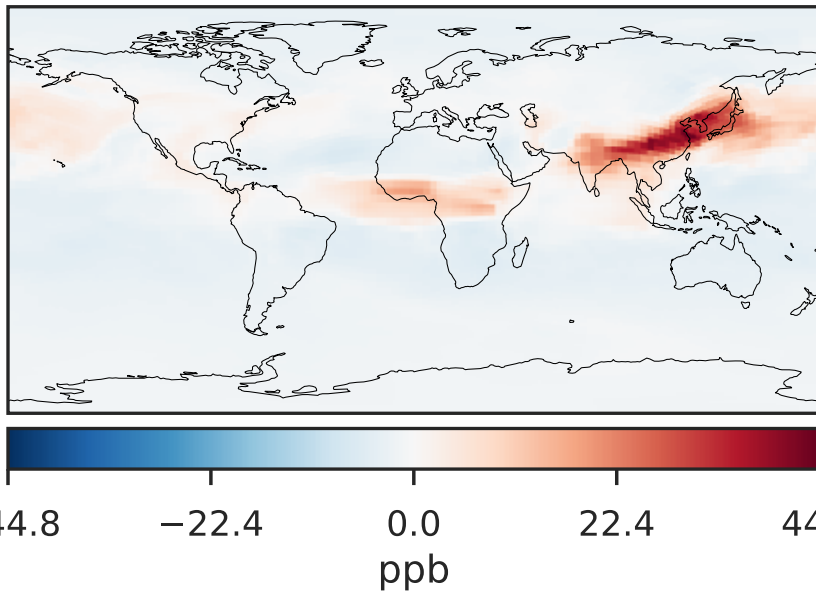
GCHP 14.2.2 using wind (Ref)
c30



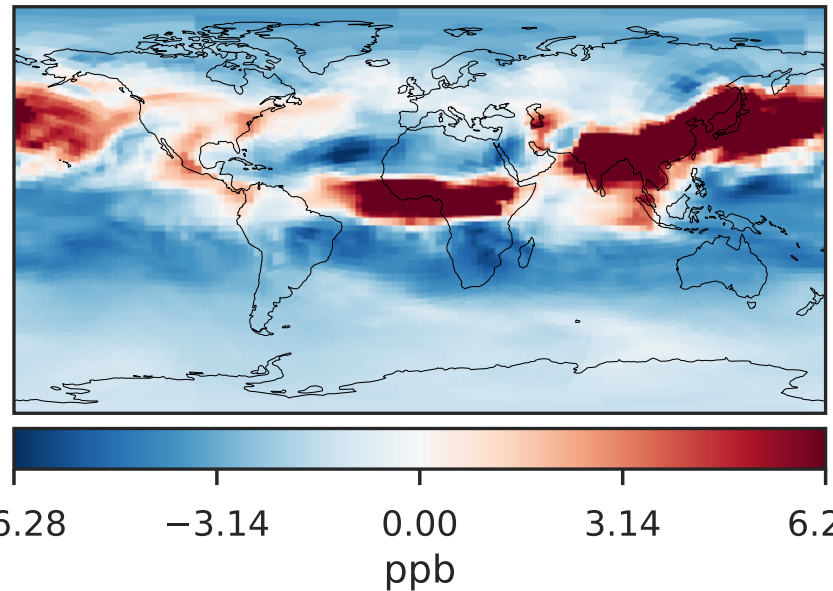
GCHP 14.2.2 using mass flux (Dev)
c30



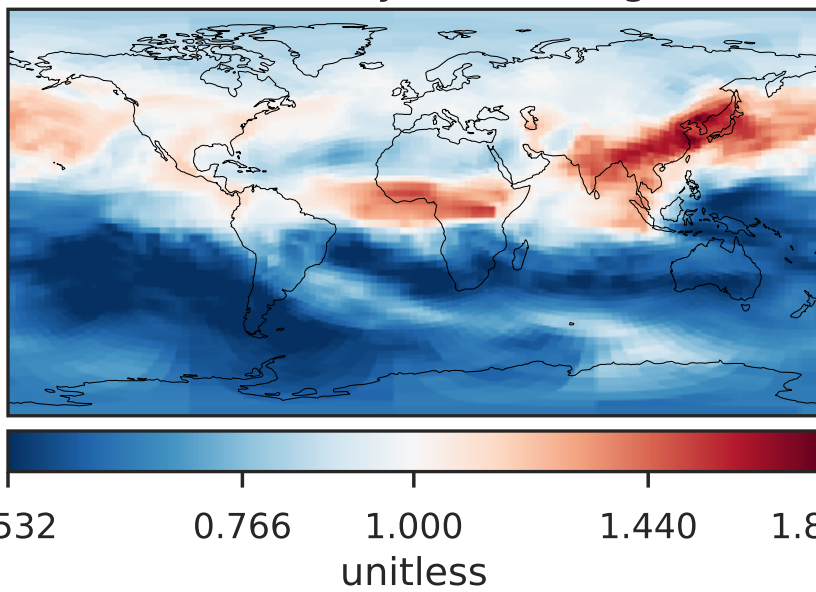
Difference (1x1.25)
Dev - Ref, Dynamic Range



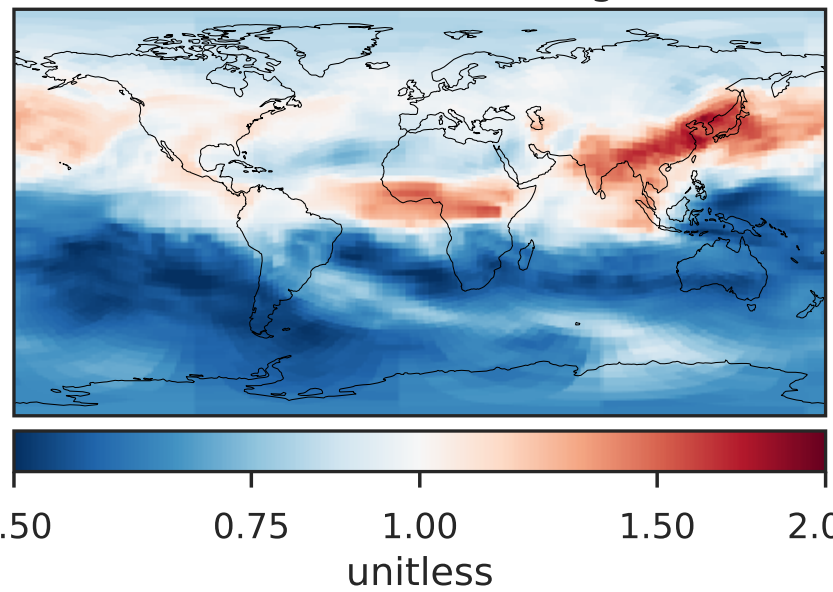
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

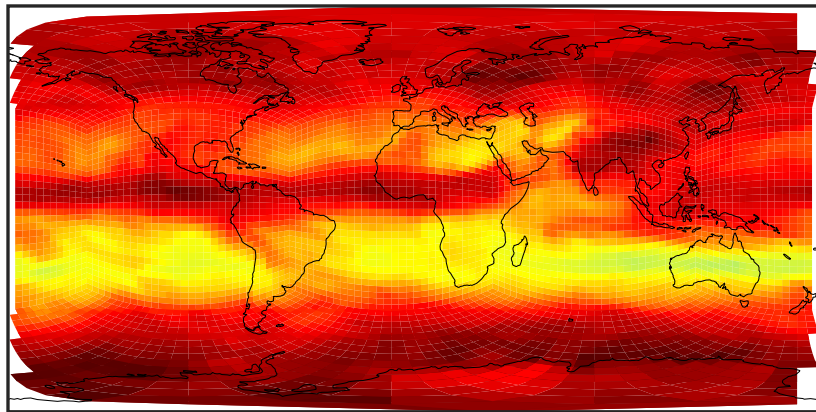


Ratio (1x1.25)
Dev/Ref, Fixed Range



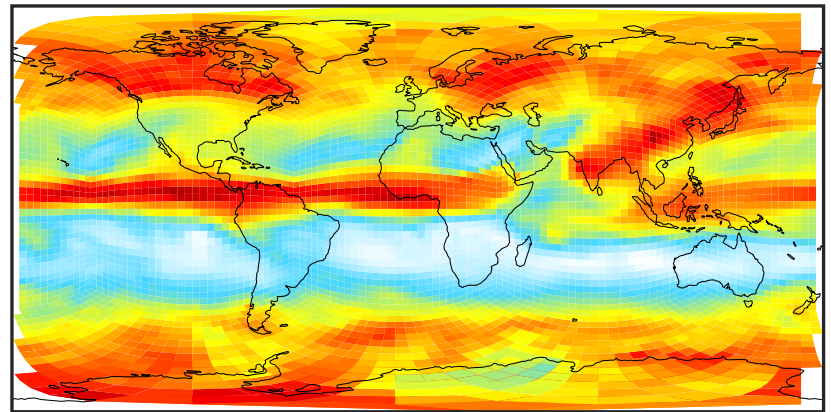
SpeciesConcVV_e90 (Jul2019)

GCHP 14.2.2 using wind (Ref)
c30



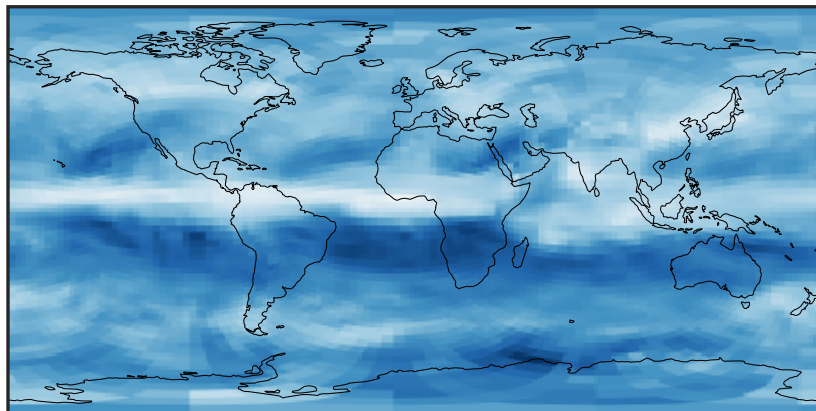
46.52 55.45 64.39 73.32 82.26
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



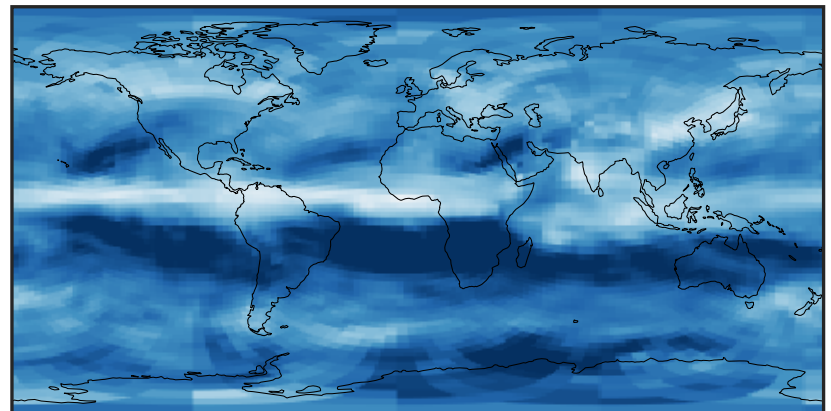
46.52 55.45 64.39 73.32 82.26
ppb

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



-18.50 -9.25 0.00 9.25 18.50
ppb

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



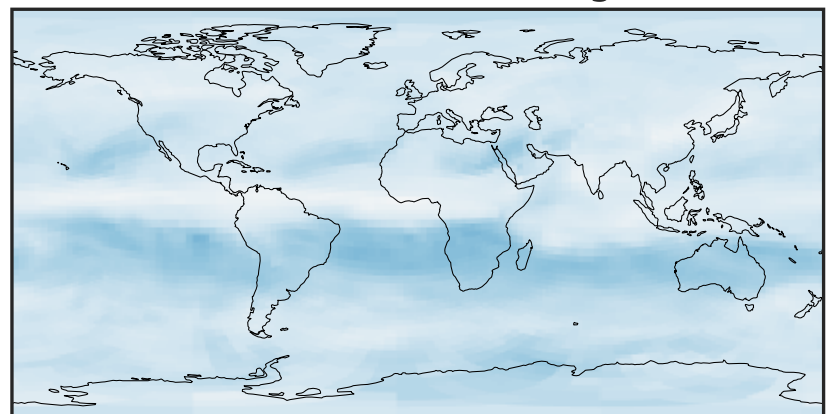
-14.79 -7.39 0.00 7.39 14.79
ppb

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



0.98849 0.99424 1.00000 1.00582 1.01165
unitless

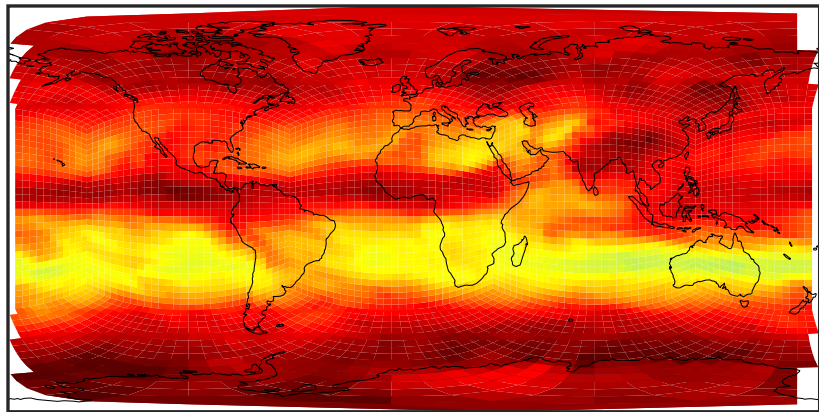
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

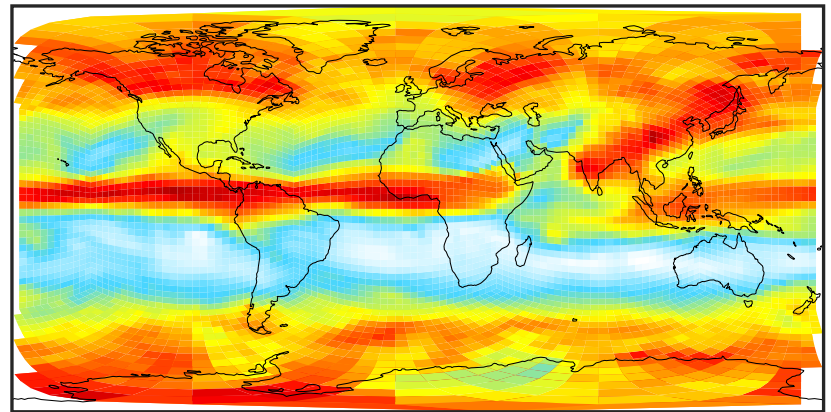
SpeciesConcVV_e90_n (Jul2019)

GCHP 14.2.2 using wind (Ref)
c30



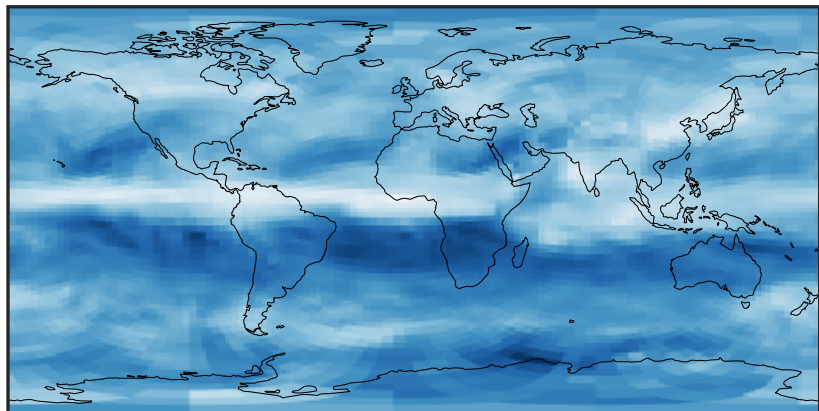
46.52 55.45 64.39 73.32 82.26
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



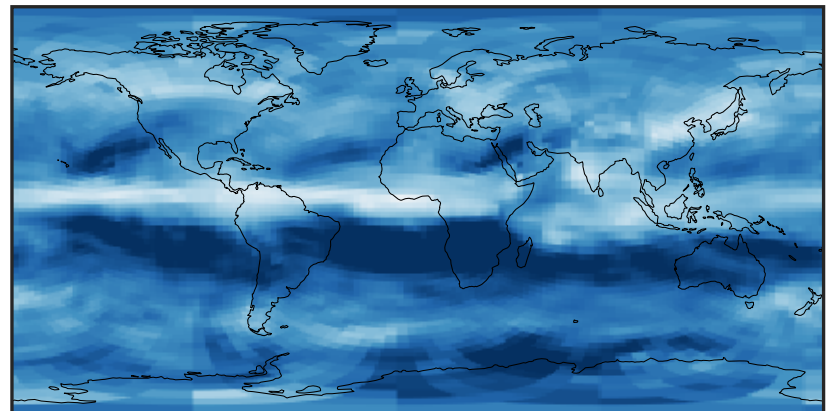
46.52 55.45 64.39 73.32 82.26
ppb

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



-18.50 -9.25 0.00 9.25 18.50
ppb

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



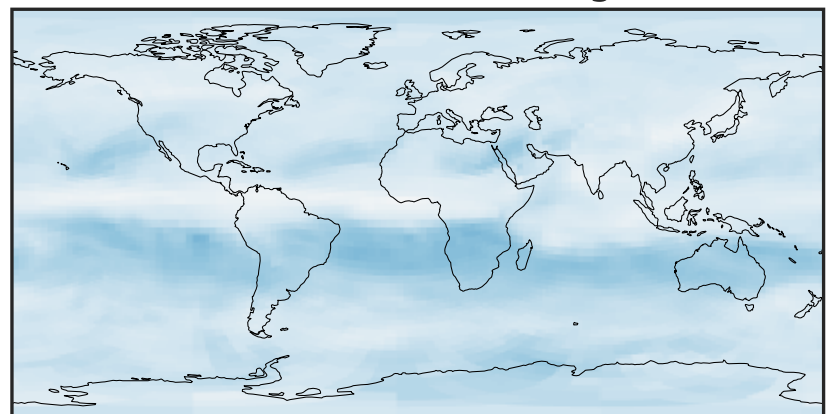
-14.79 -7.39 0.00 7.39 14.79
ppb

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



0.98849 0.99424 1.00000 1.00582 1.01165
unitless

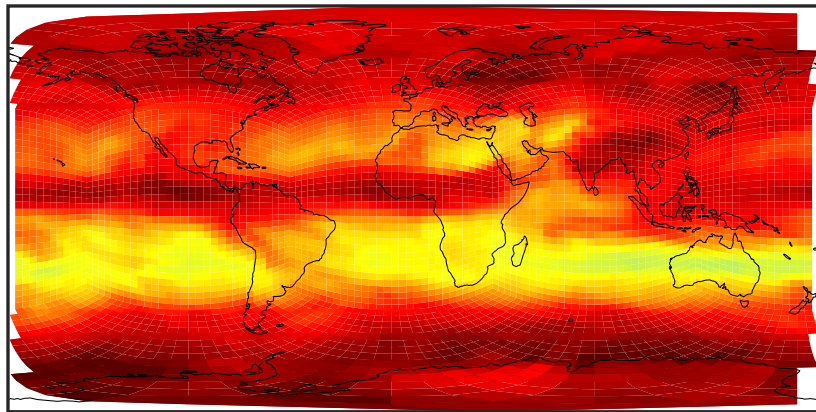
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

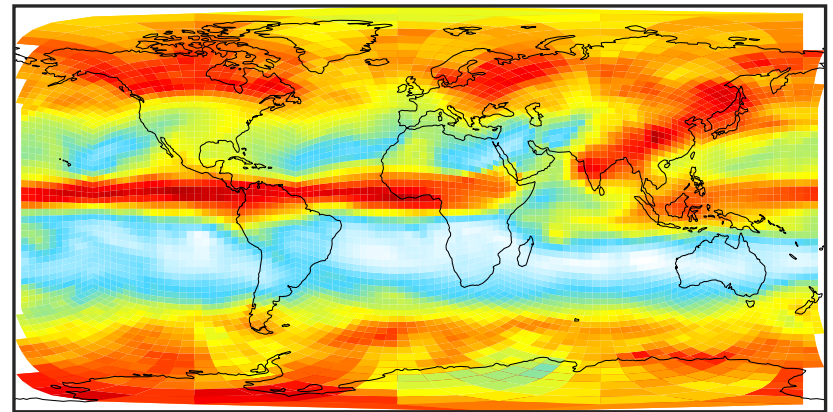
SpeciesConcVV_e90_s (Jul2019)

GCHP 14.2.2 using wind (Ref)
c30



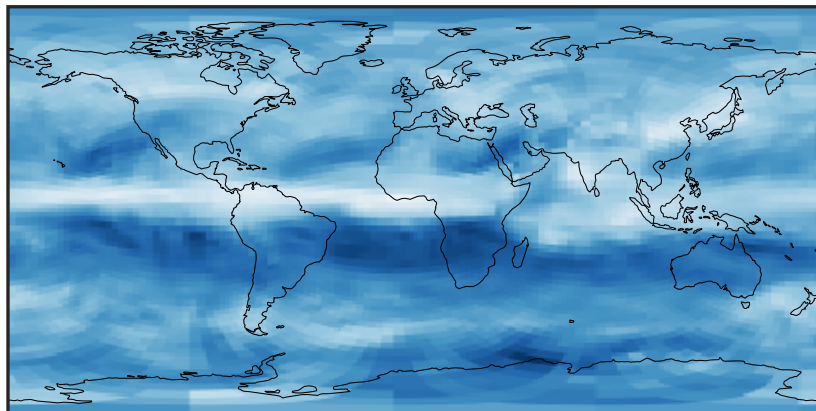
46.52 55.45 64.39 73.32 82.26
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



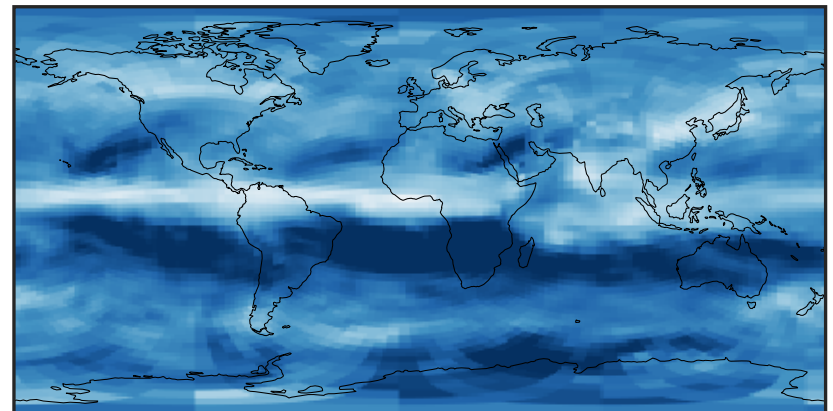
46.52 55.45 64.39 73.32 82.26
ppb

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



-18.50 -9.25 0.00 9.25 18.50
ppb

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



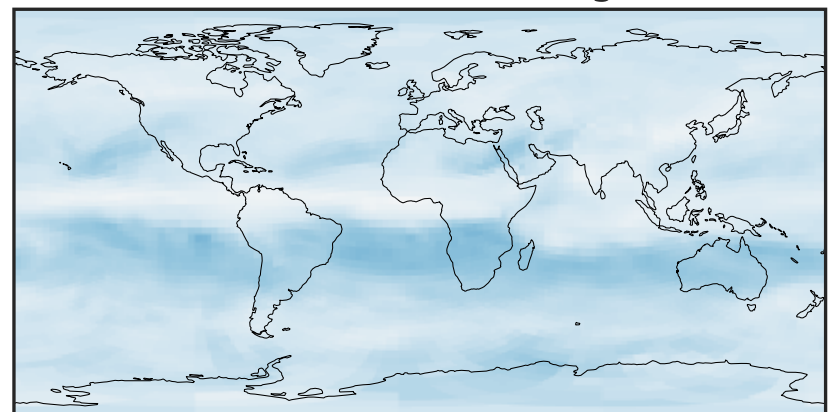
-14.79 -7.39 0.00 7.39 14.79
ppb

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



0.98849 0.99424 1.00000 1.00582 1.01165
unitless

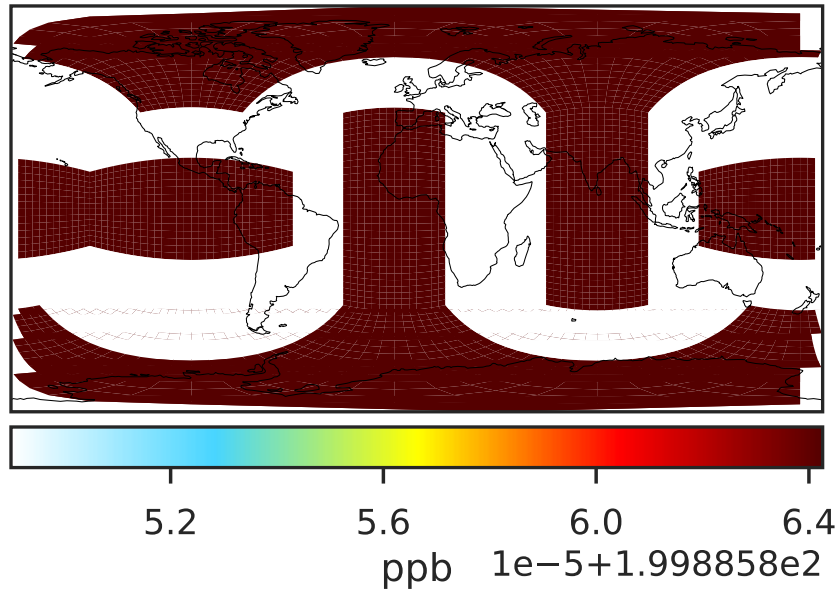
Ratio (1x1.25)
Dev/Ref, Fixed Range



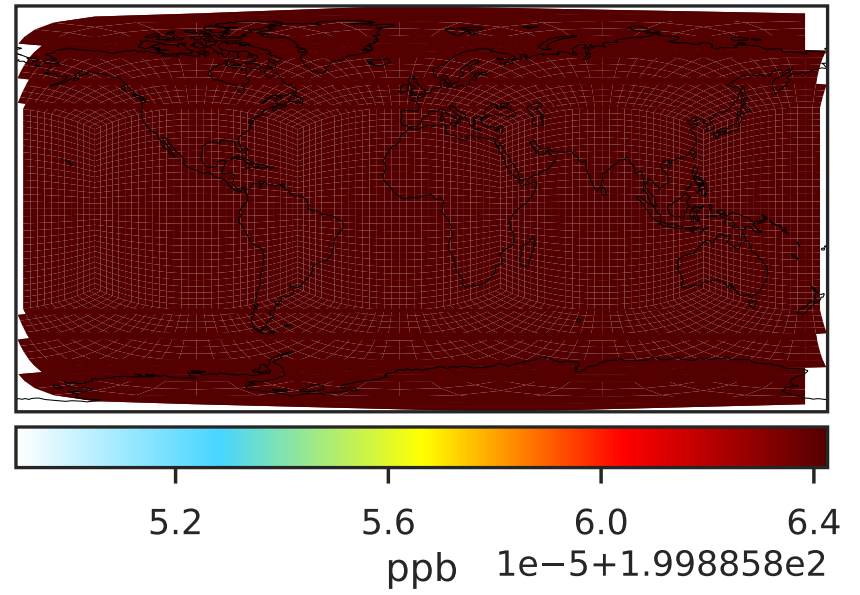
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_st80_25 (Jul2019)

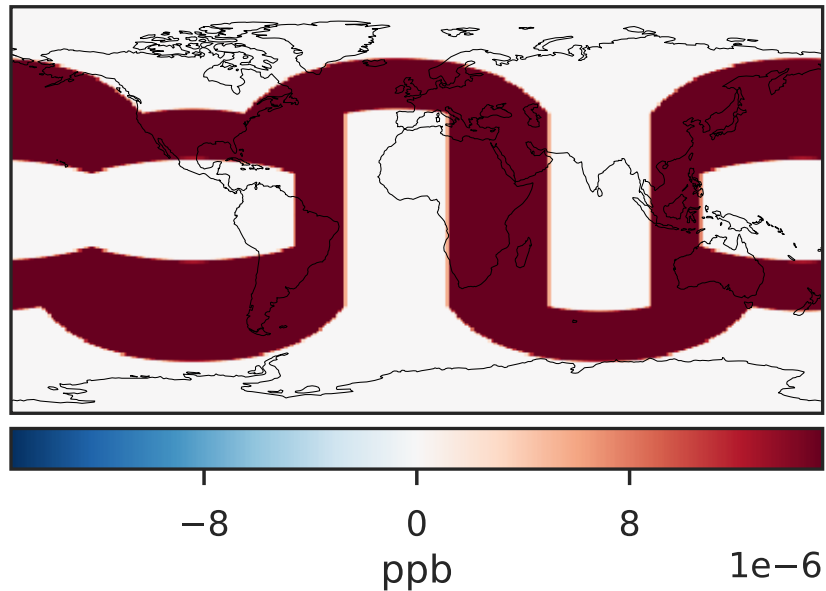
GCHP 14.2.2 using wind (Ref)
c30



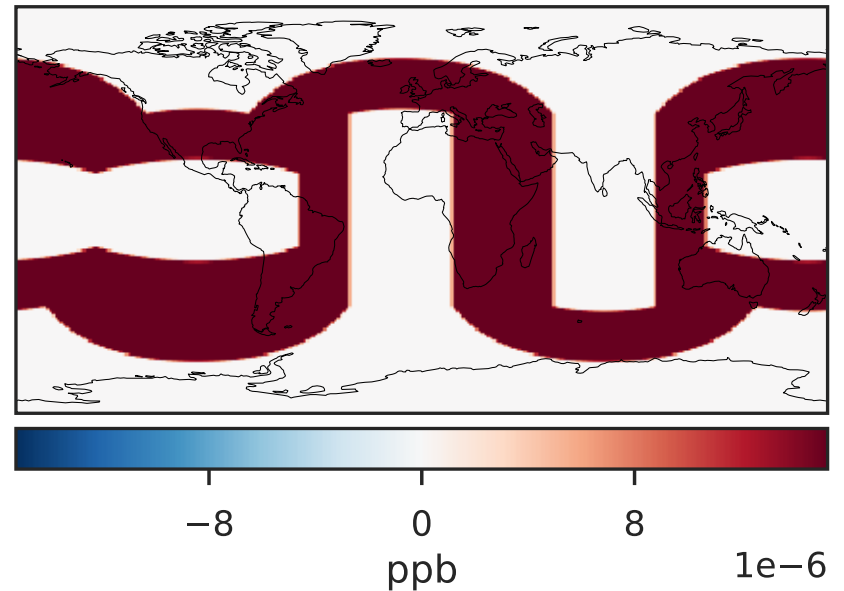
GCHP 14.2.2 using mass flux (Dev)
c30



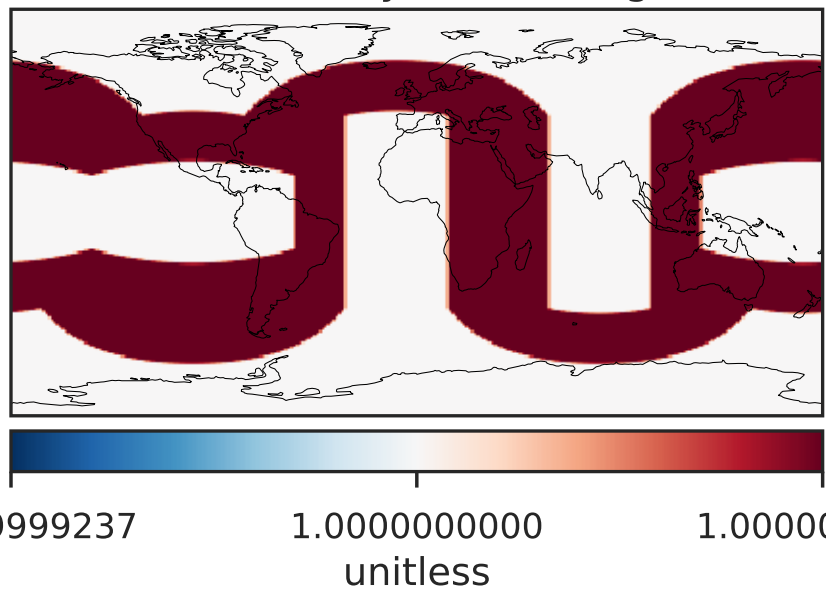
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

