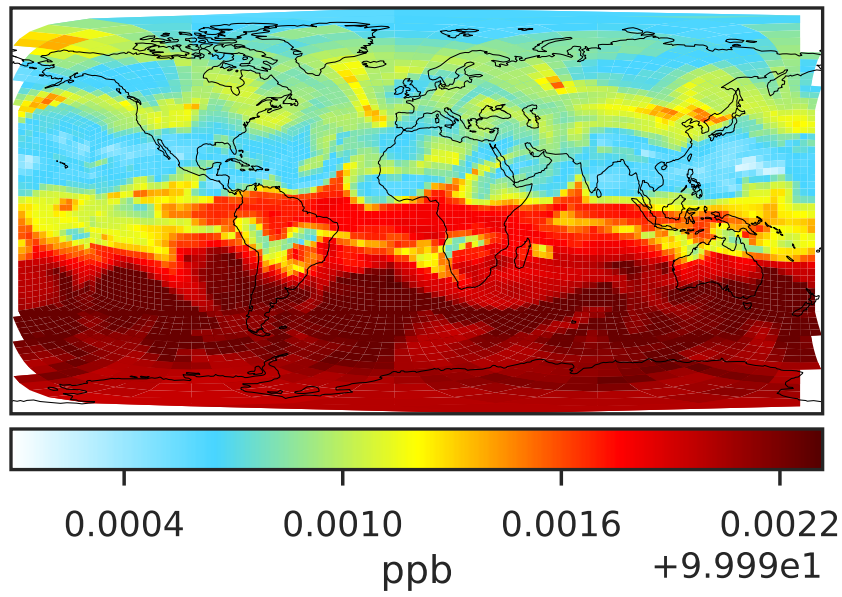
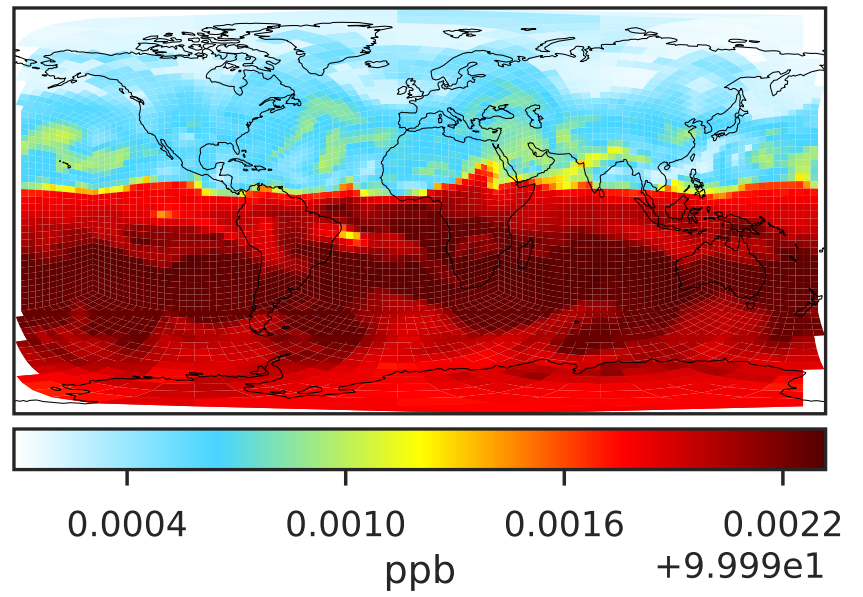


# SpeciesConcVV\_PassiveTracer (Oct2019)

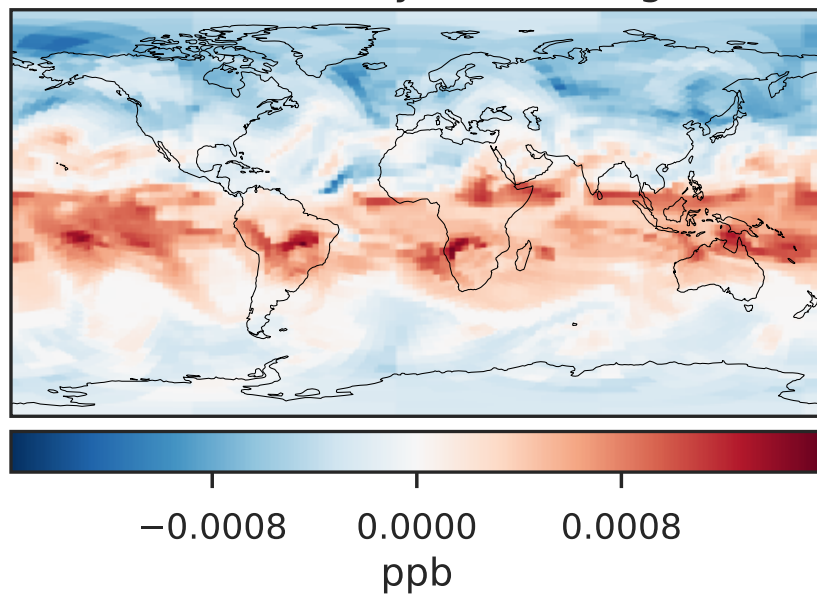
GCHP 14.2.2 using wind (Ref)  
c30



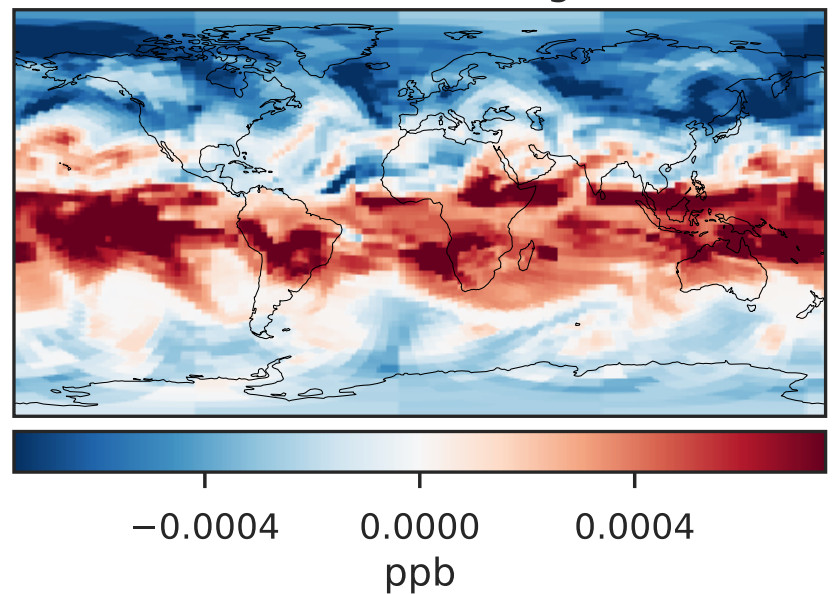
GCHP 14.2.2 using mass flux (Dev)  
c30



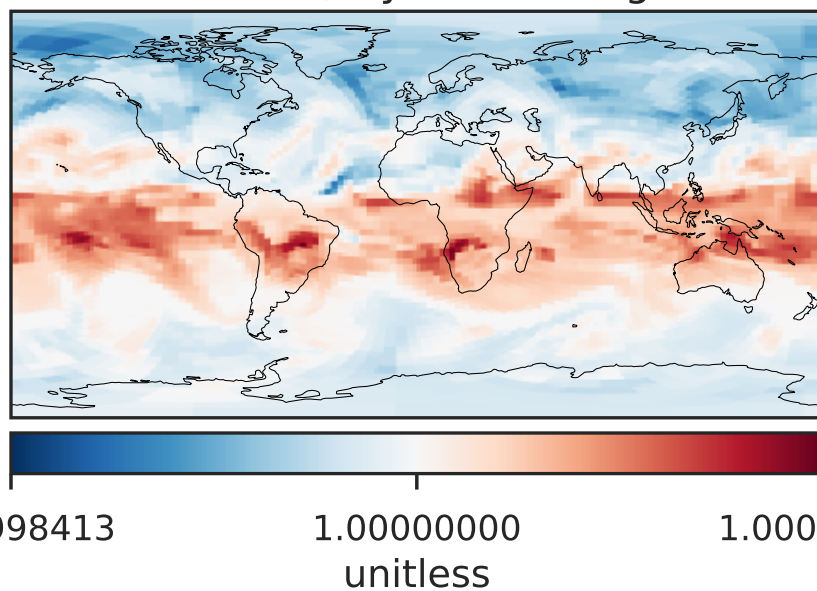
Difference (1x1.25)  
Dev - Ref, Dynamic Range



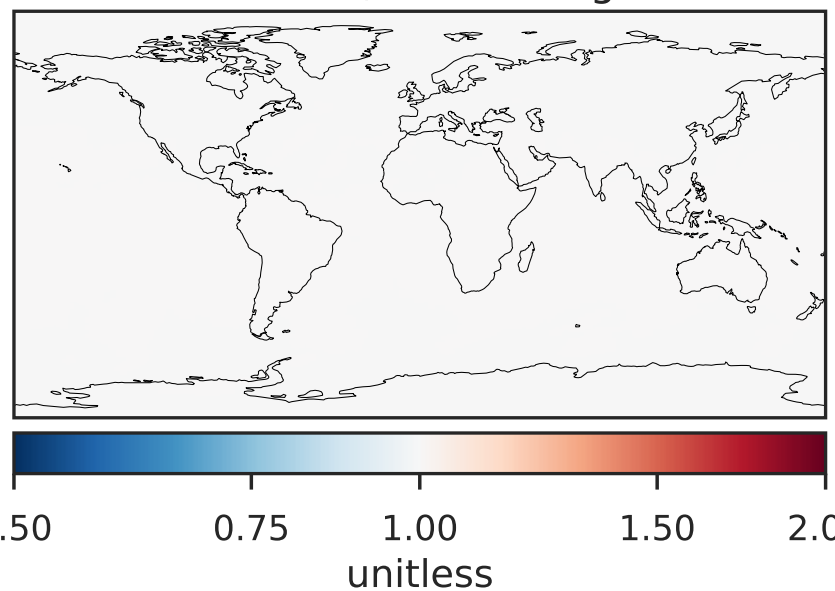
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

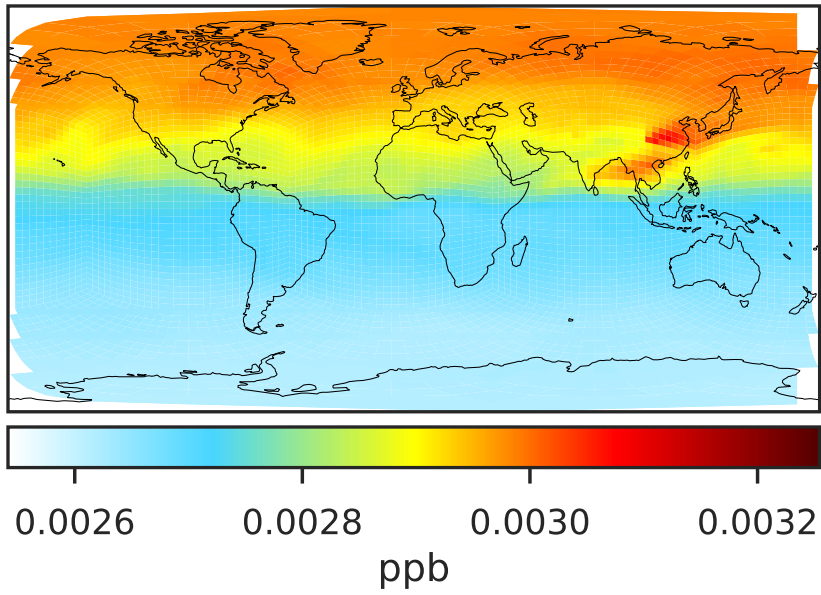


Ratio (1x1.25)  
Dev/Ref, Fixed Range

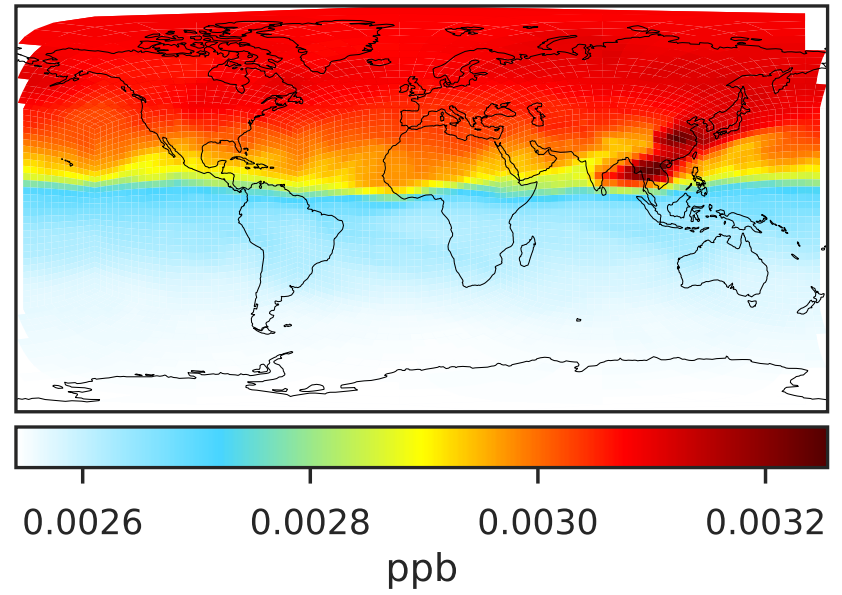


# SpeciesConcVV\_SF6 (Oct2019)

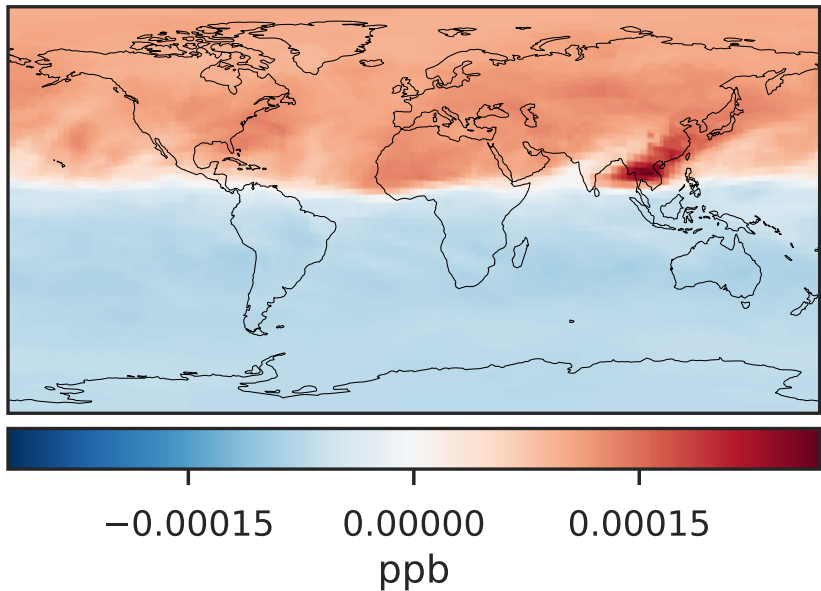
GCHP 14.2.2 using wind (Ref)  
c30



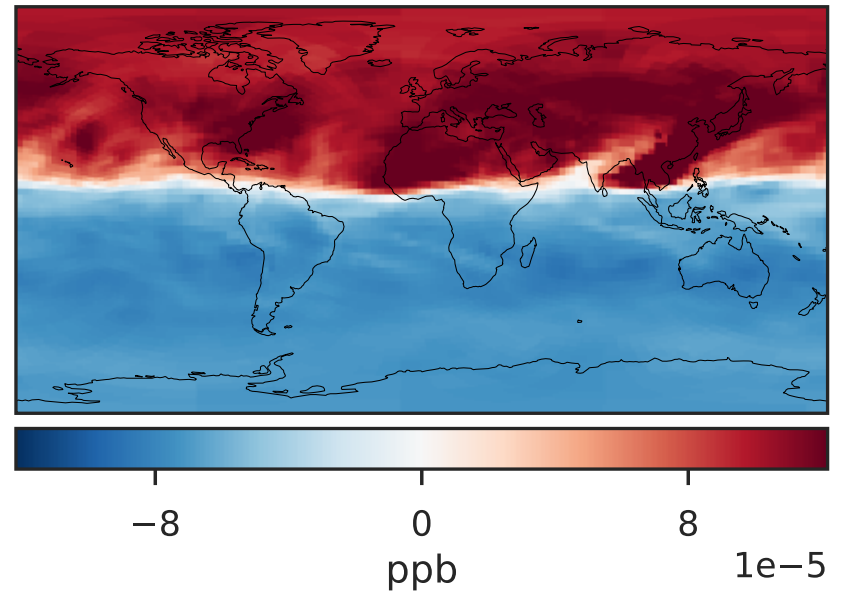
GCHP 14.2.2 using mass flux (Dev)  
c30



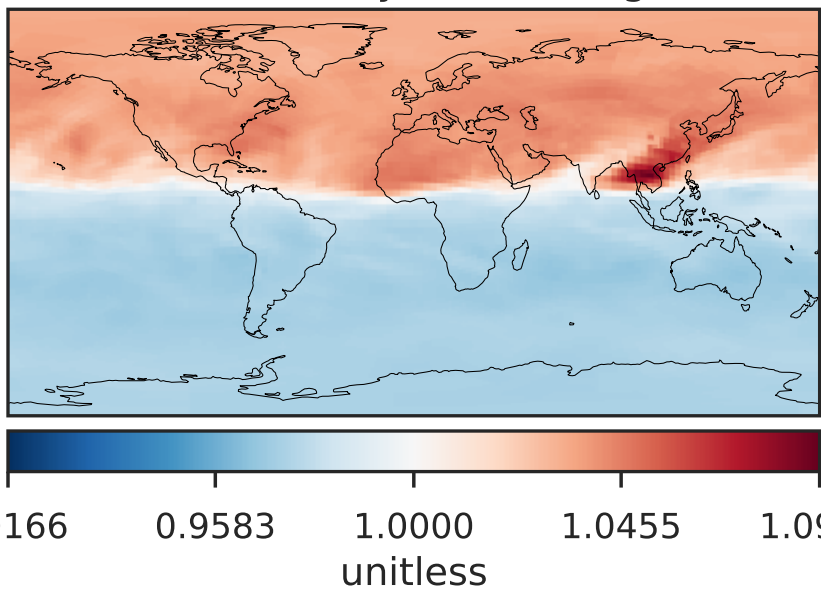
Difference (1x1.25)  
Dev - Ref, Dynamic Range



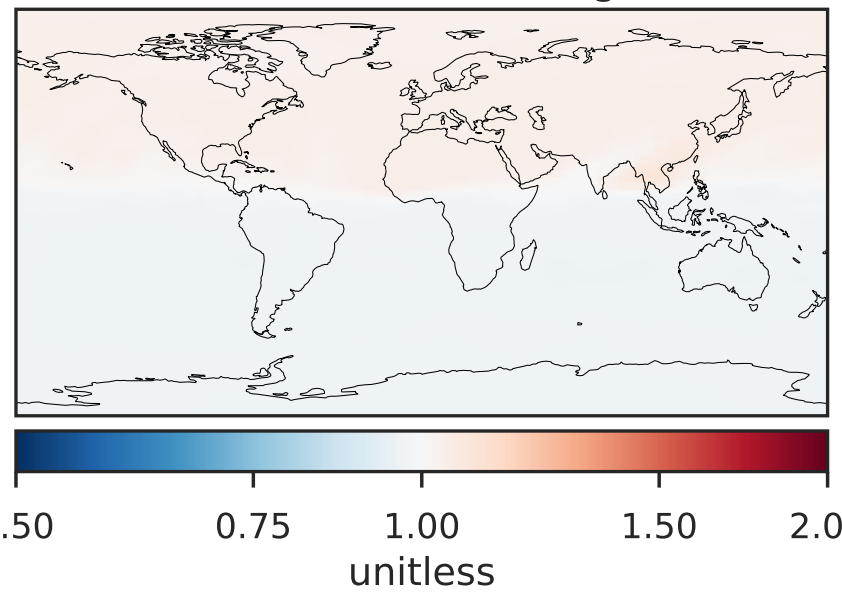
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

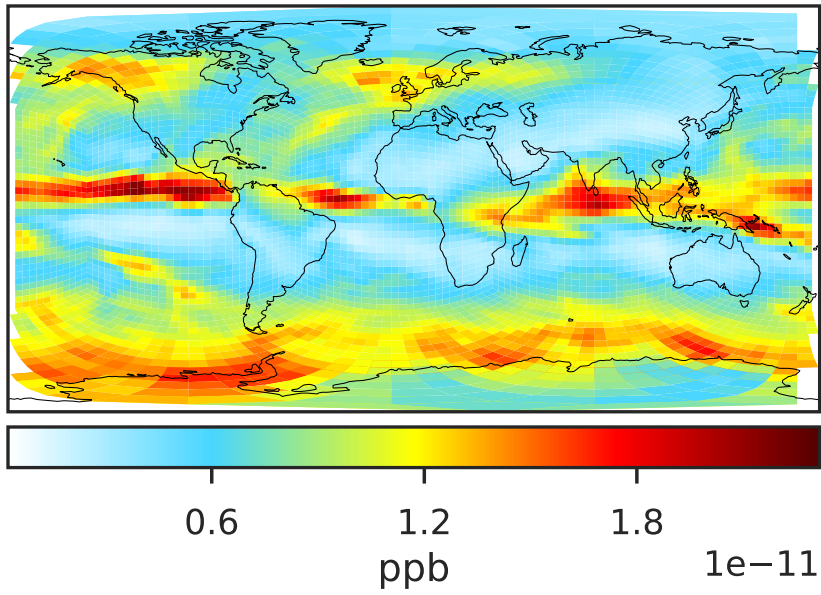


Ratio (1x1.25)  
Dev/Ref, Fixed Range

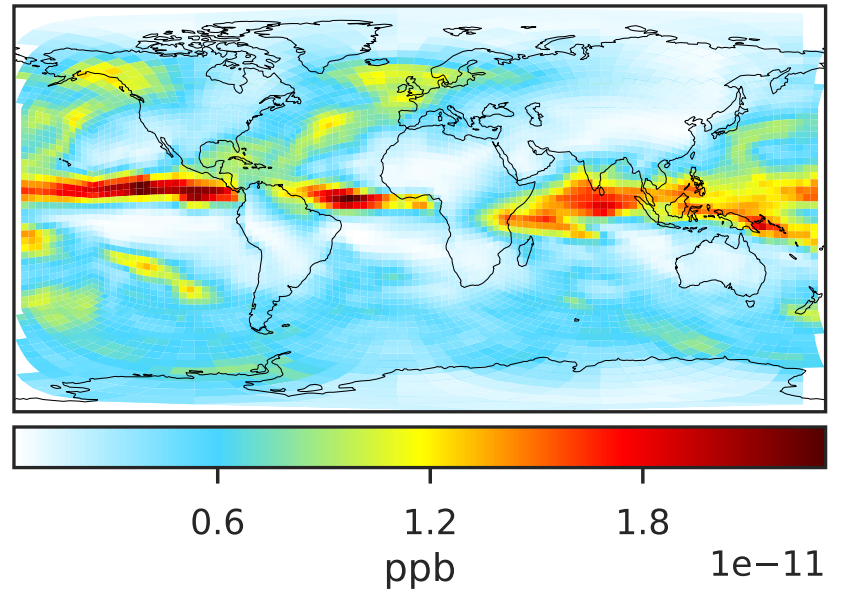


# SpeciesConcVV\_CH3I (Oct2019)

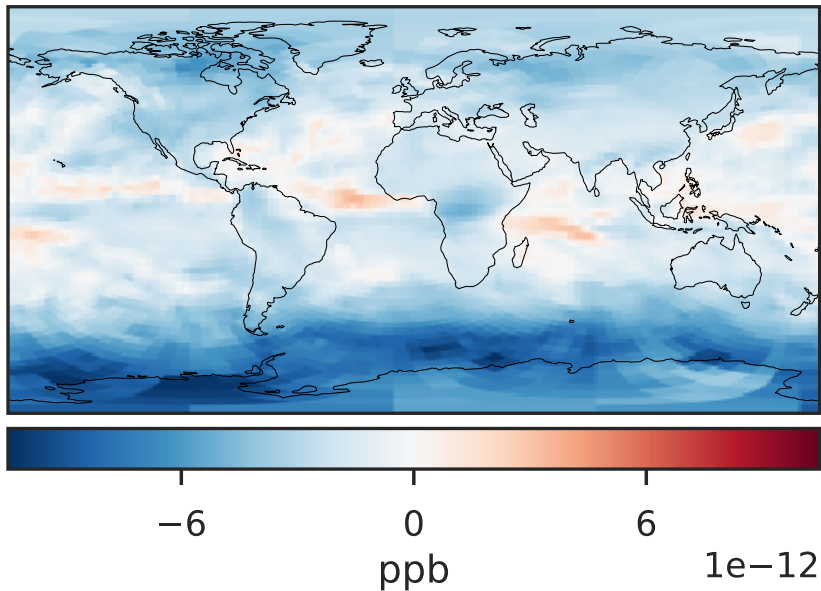
GCHP 14.2.2 using wind (Ref)  
c30



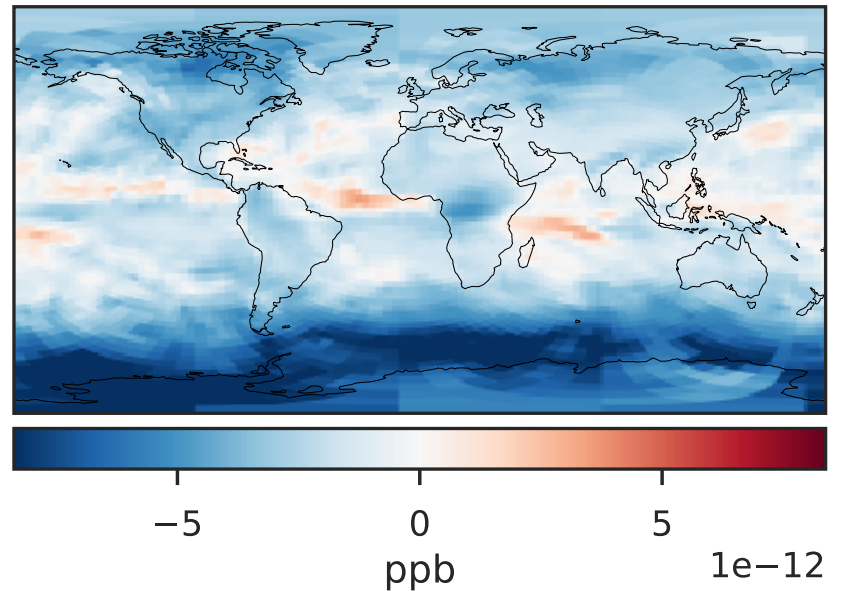
GCHP 14.2.2 using mass flux (Dev)  
c30



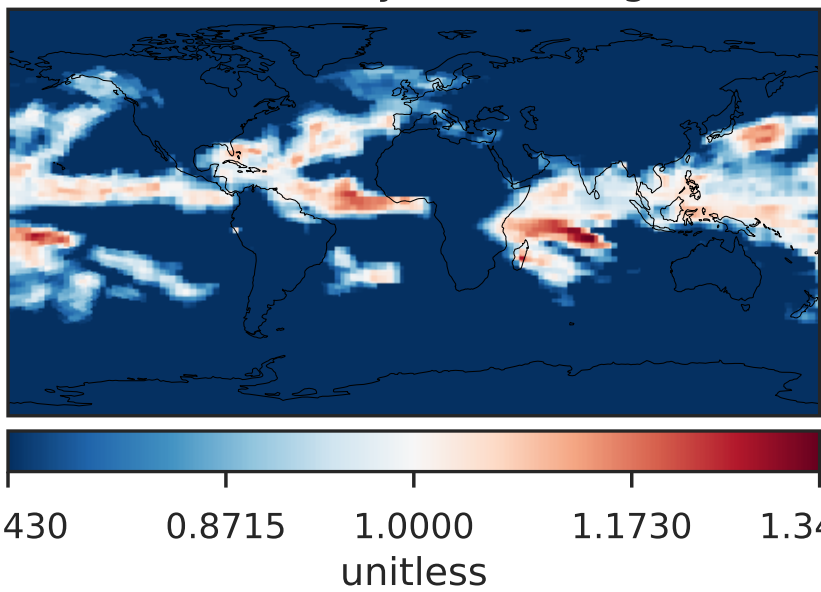
Difference (1x1.25)  
Dev - Ref, Dynamic Range



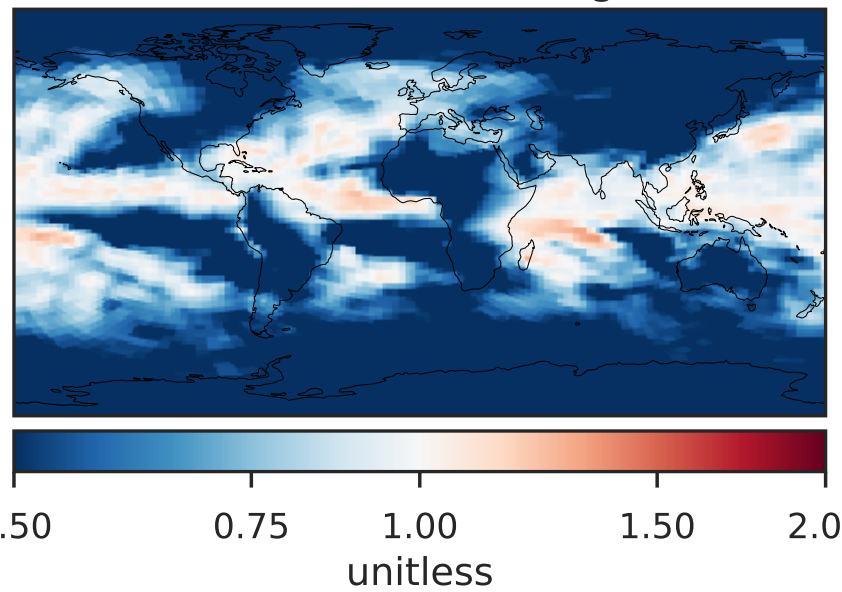
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

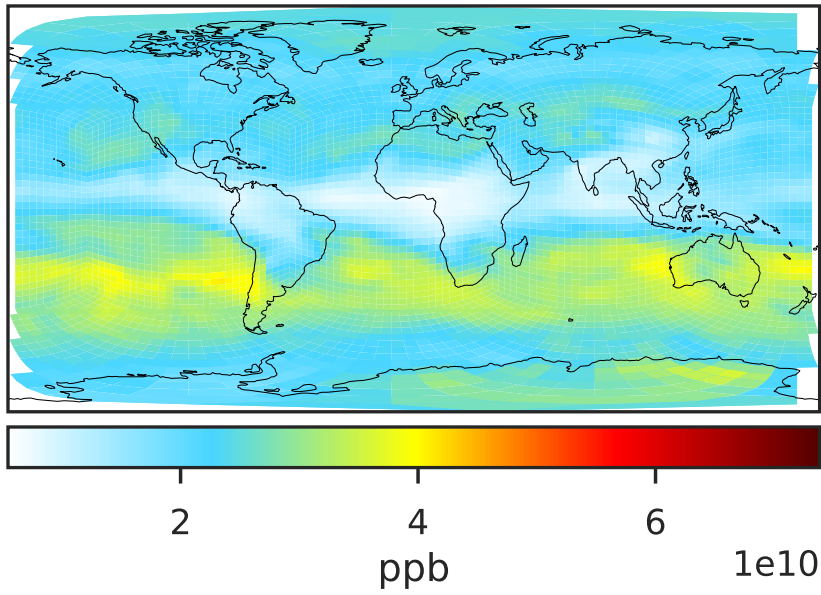


Ratio (1x1.25)  
Dev/Ref, Fixed Range

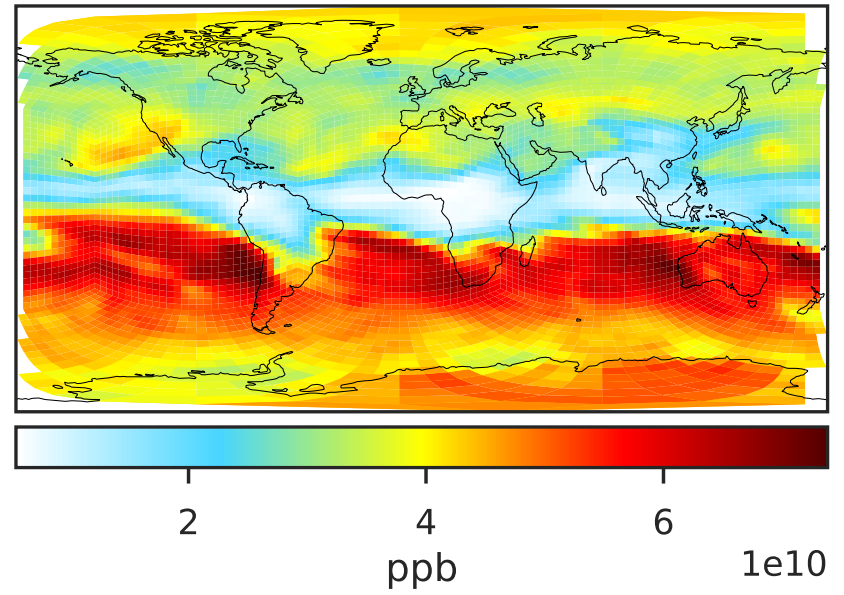


# SpeciesConcVV\_aoa (Oct2019)

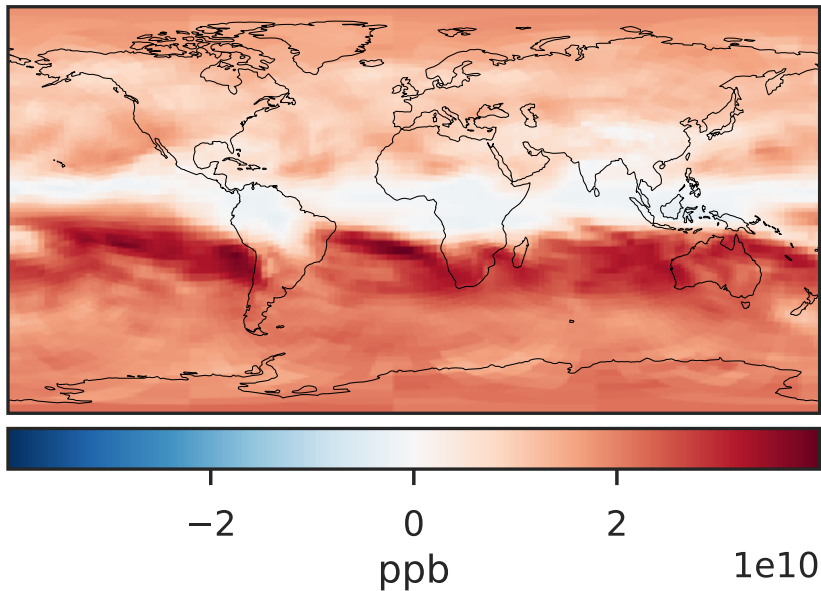
GCHP 14.2.2 using wind (Ref)  
c30



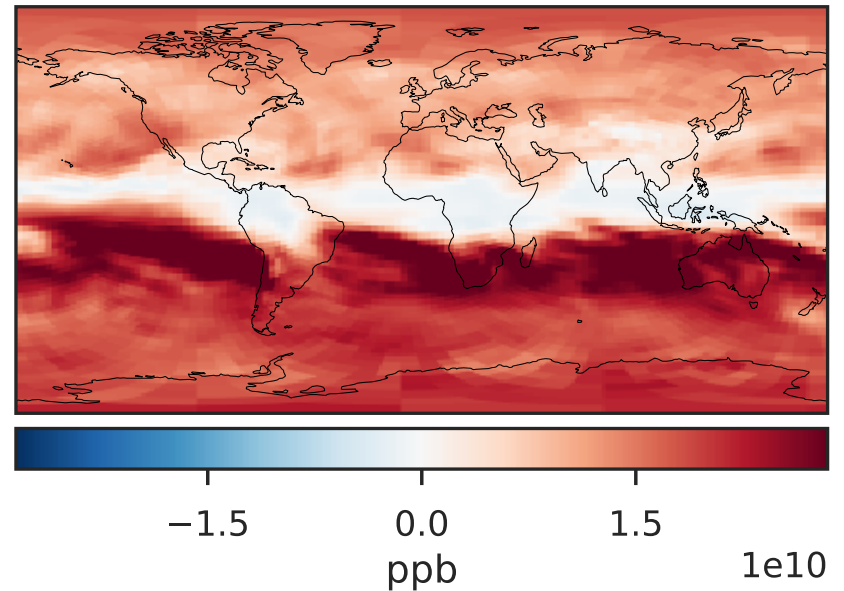
GCHP 14.2.2 using mass flux (Dev)  
c30



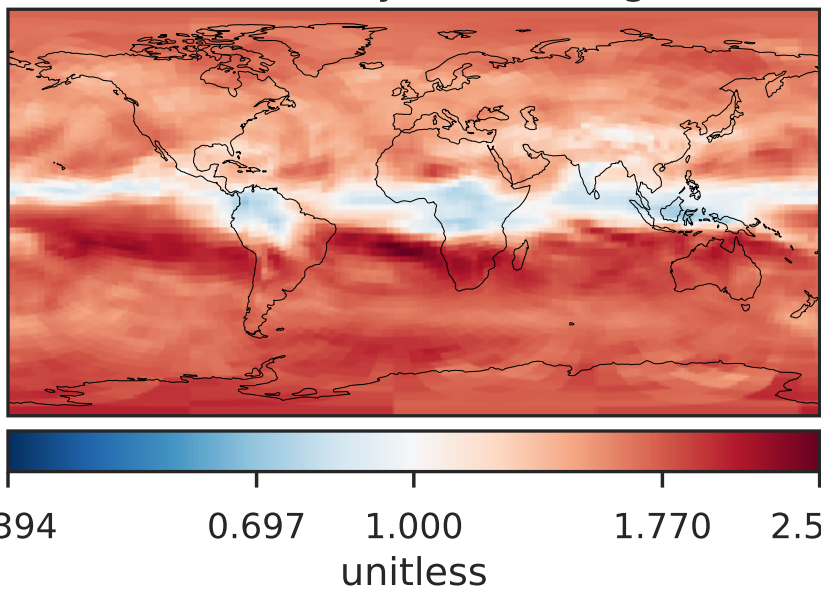
Difference (1x1.25)  
Dev - Ref, Dynamic Range



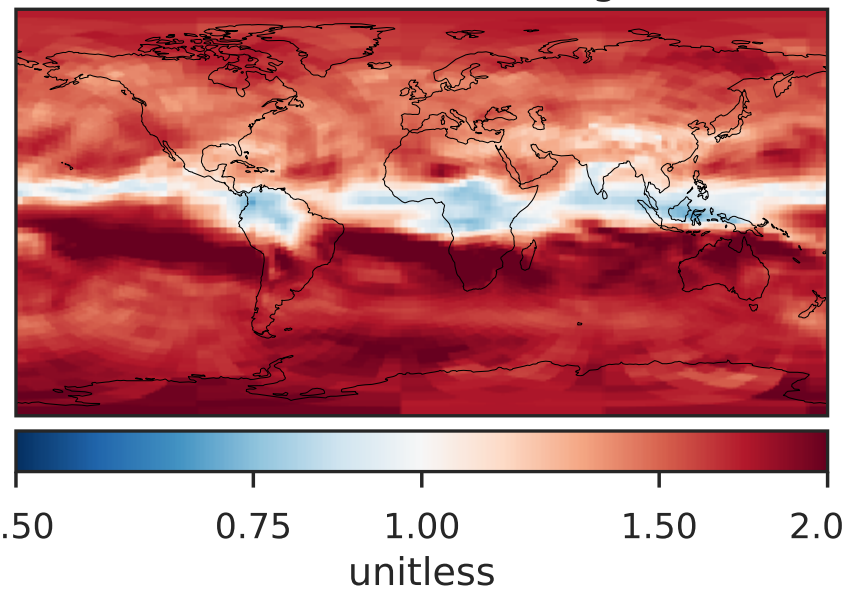
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

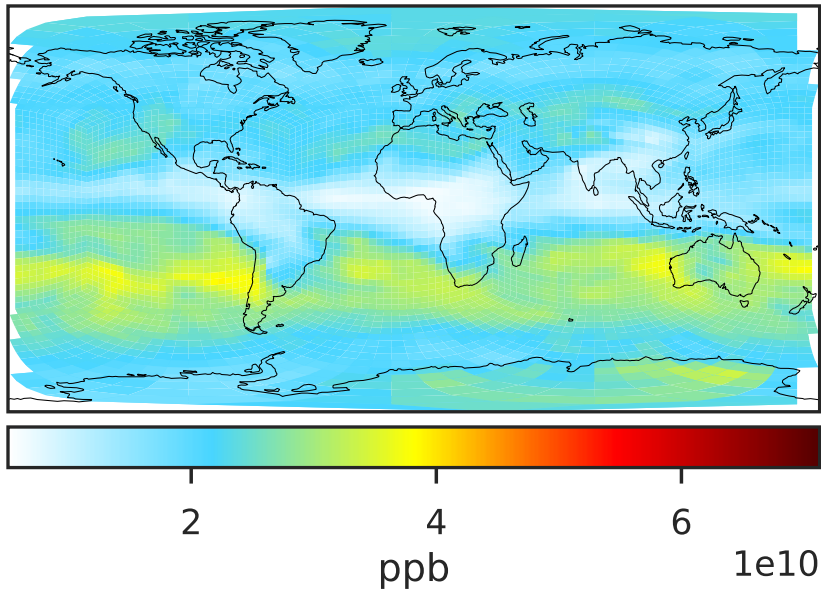


Ratio (1x1.25)  
Dev/Ref, Fixed Range

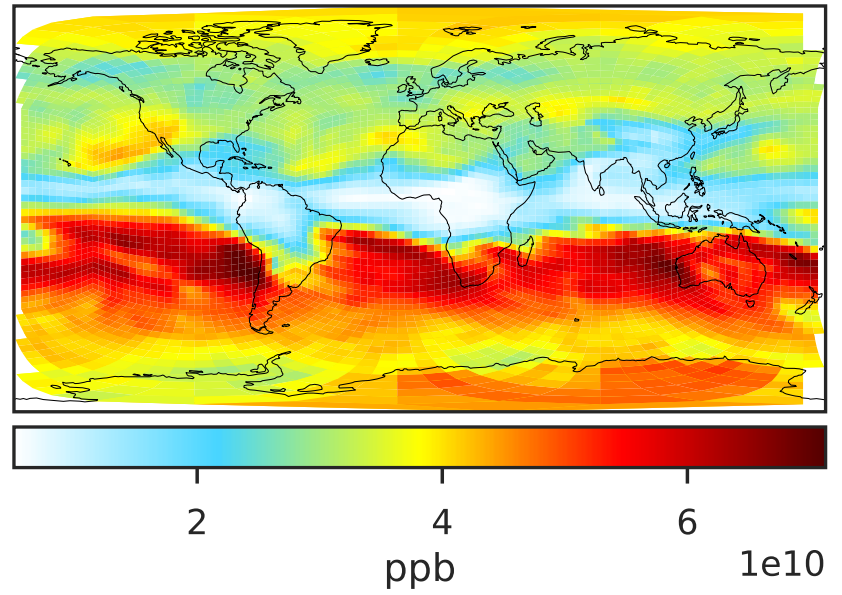


# SpeciesConcVV\_aoa\_bl (Oct2019)

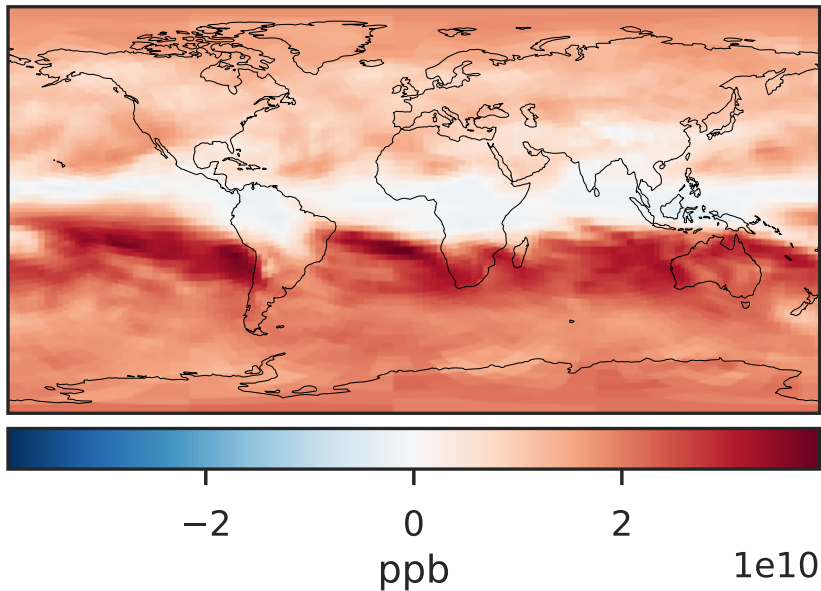
GCHP 14.2.2 using wind (Ref)  
c30



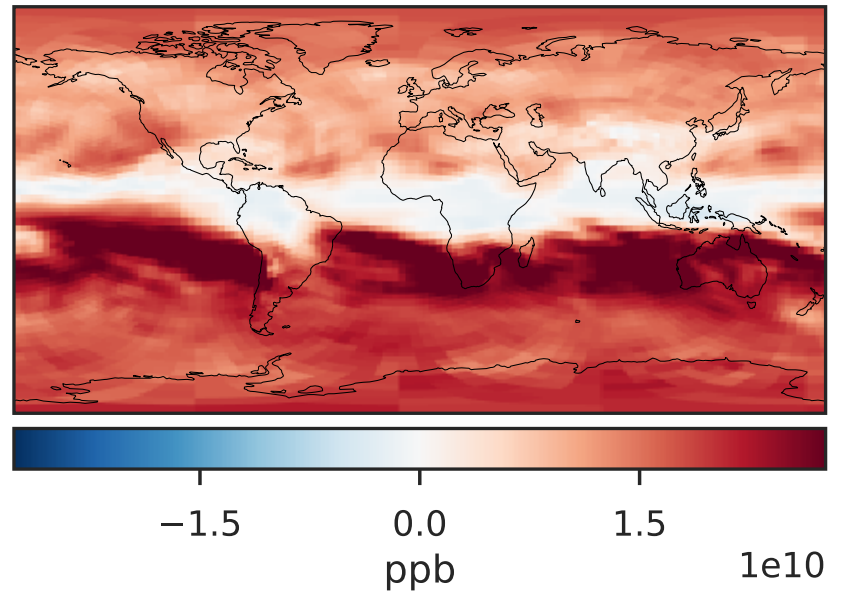
GCHP 14.2.2 using mass flux (Dev)  
c30



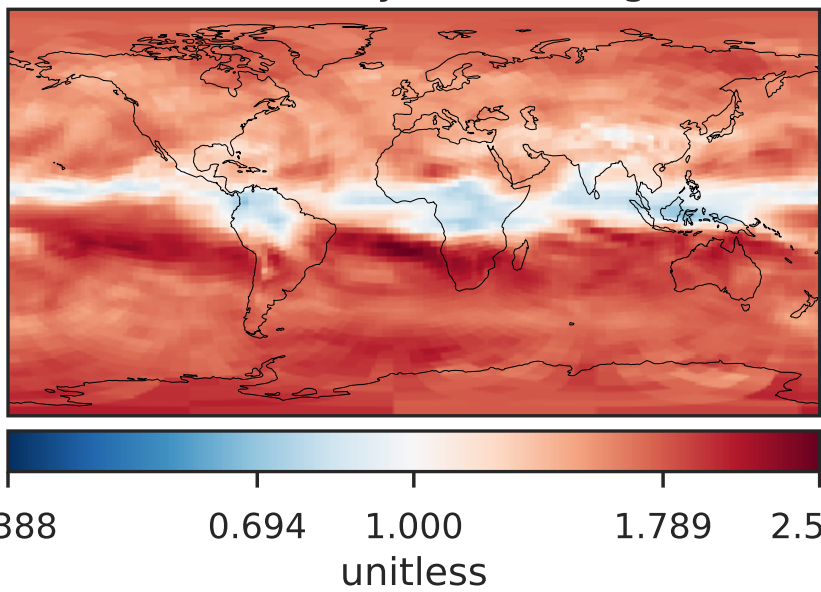
Difference (1x1.25)  
Dev - Ref, Dynamic Range



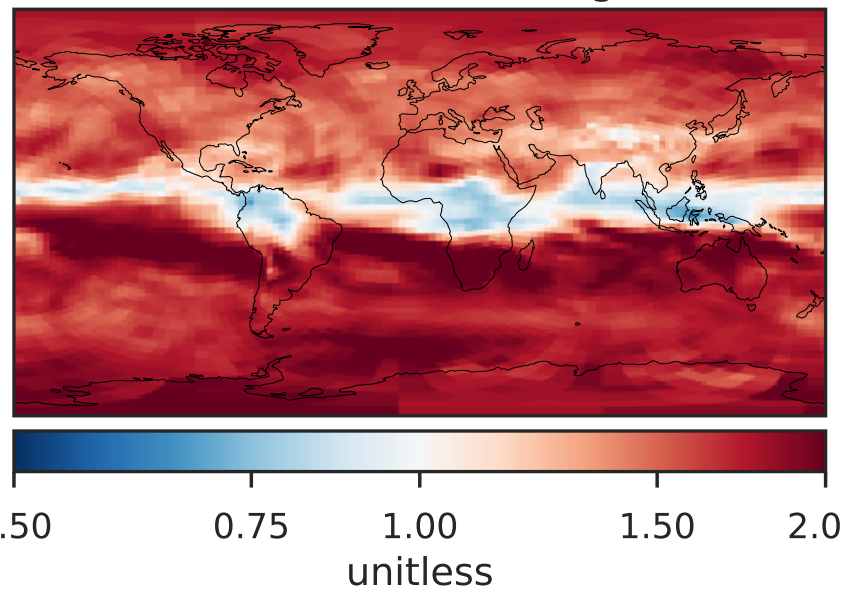
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

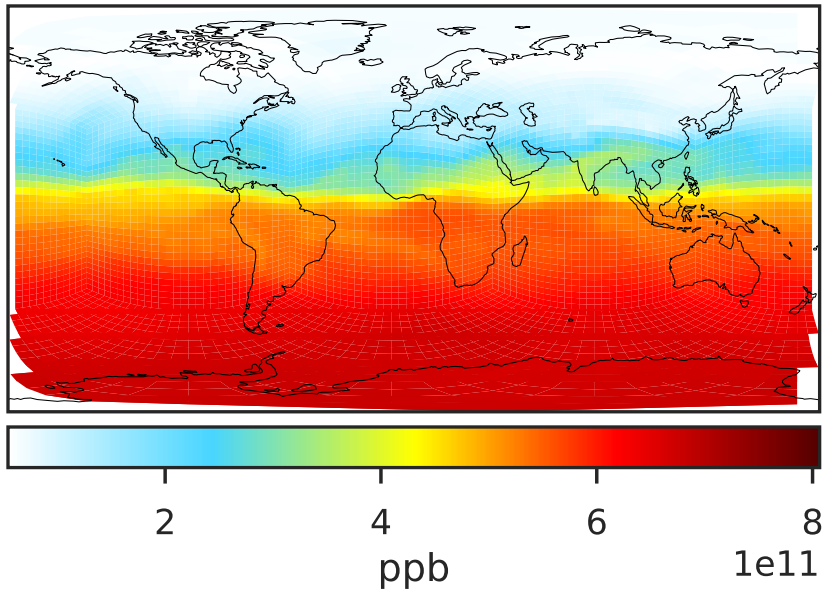


Ratio (1x1.25)  
Dev/Ref, Fixed Range

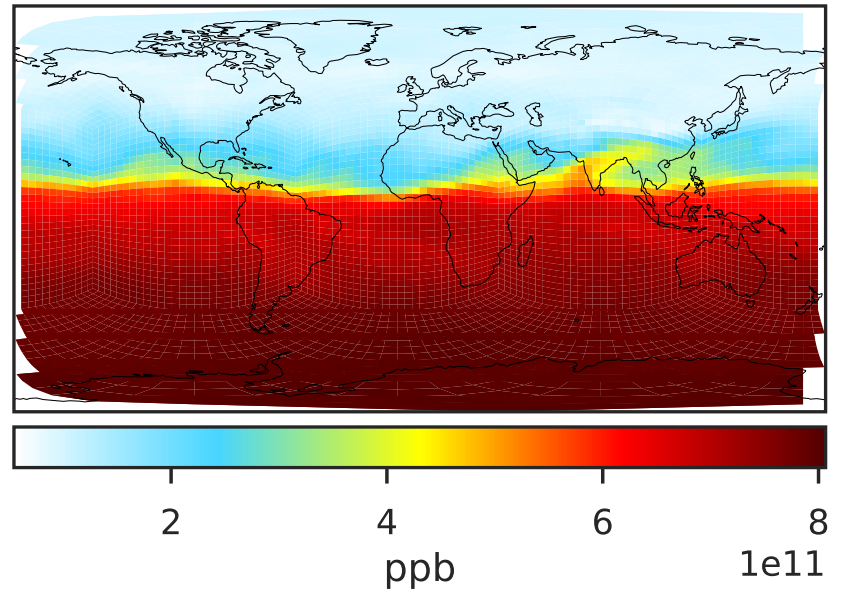


# SpeciesConcVV\_aoa\_nh (Oct2019)

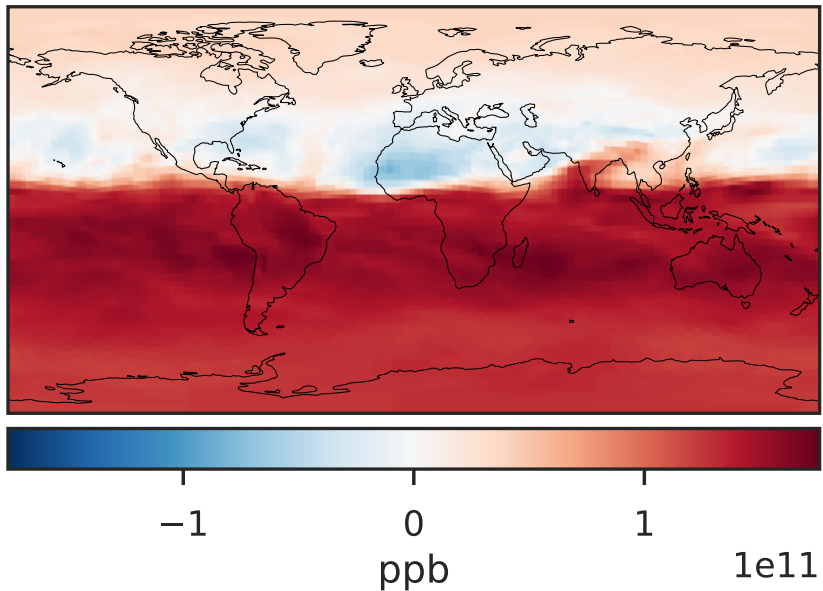
GCHP 14.2.2 using wind (Ref)  
c30



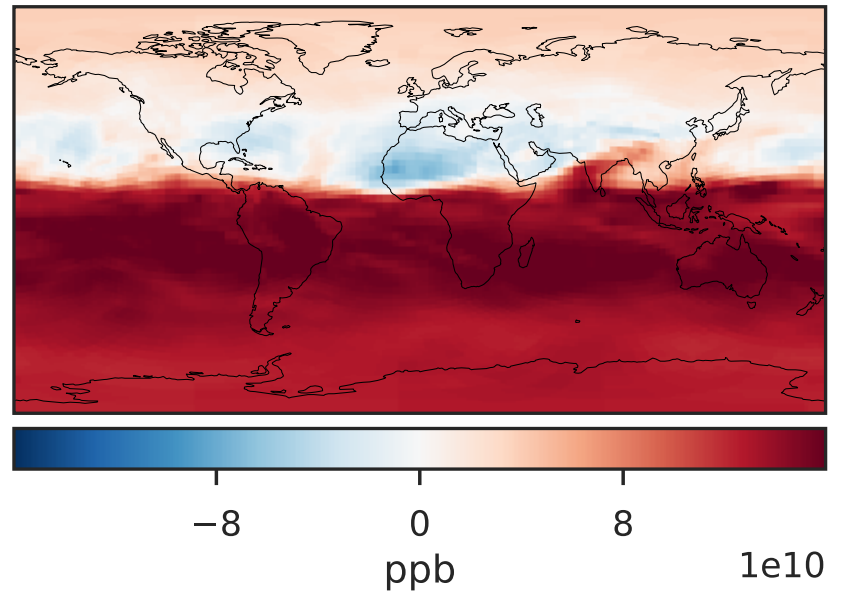
GCHP 14.2.2 using mass flux (Dev)  
c30



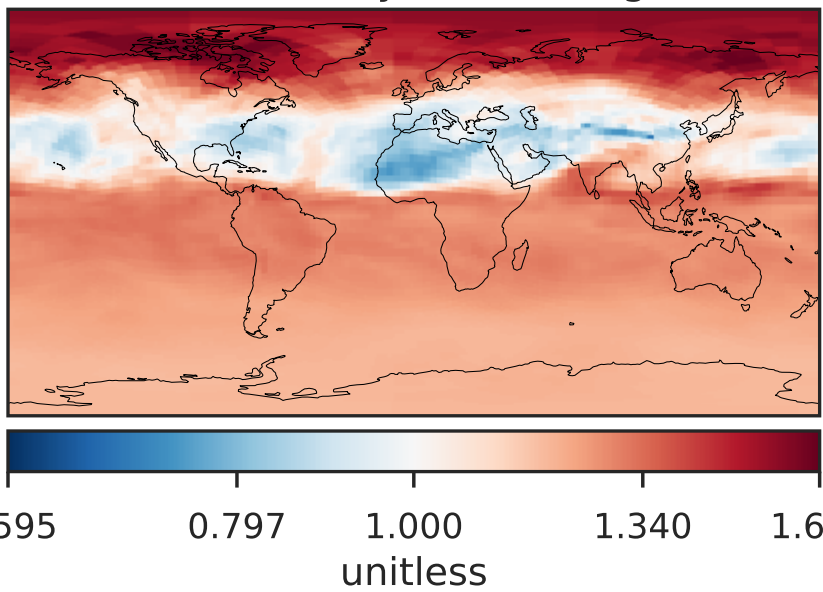
Difference (1x1.25)  
Dev - Ref, Dynamic Range



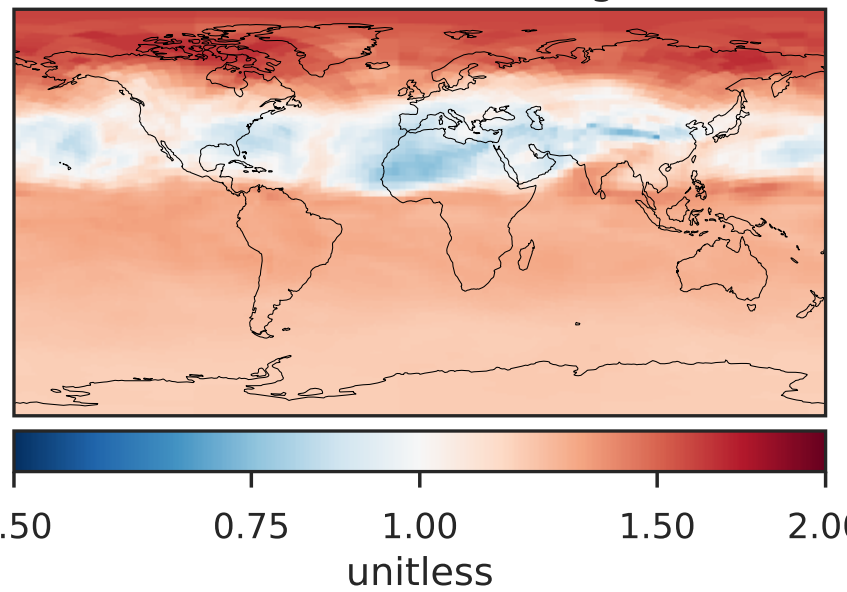
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

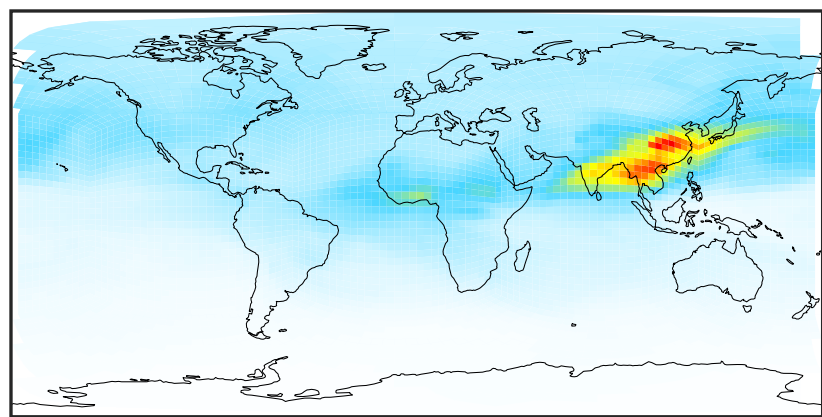


Ratio (1x1.25)  
Dev/Ref, Fixed Range



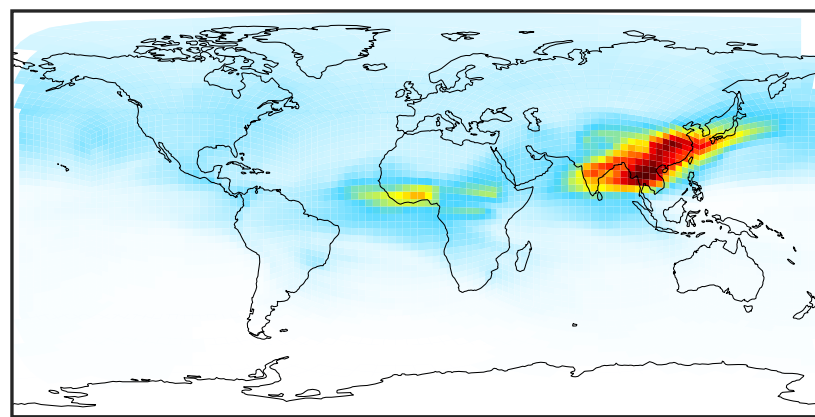
# SpeciesConcVV\_CO\_25 (Oct2019)

GCHP 14.2.2 using wind (Ref)  
c30



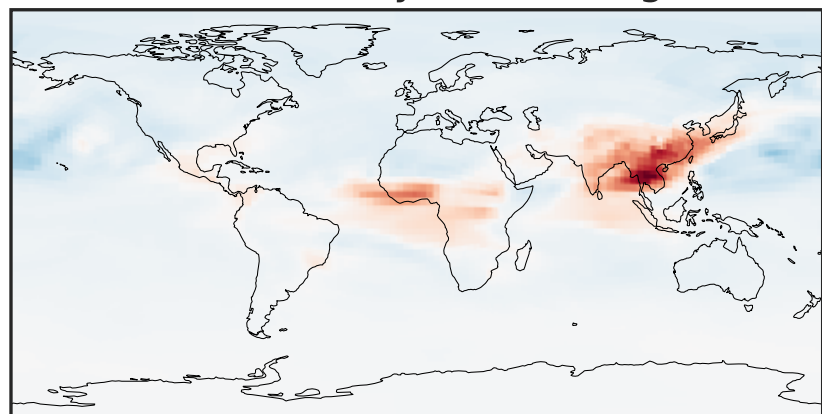
0.43 18.05 35.67 53.28 70.90  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c30



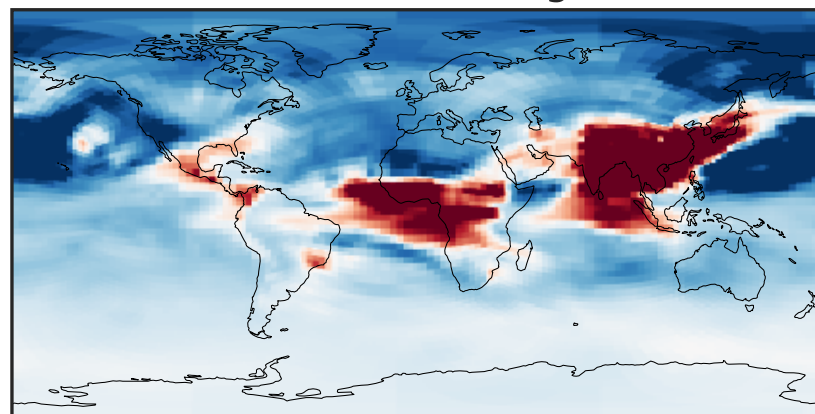
0.43 18.05 35.67 53.28 70.90  
ppb

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



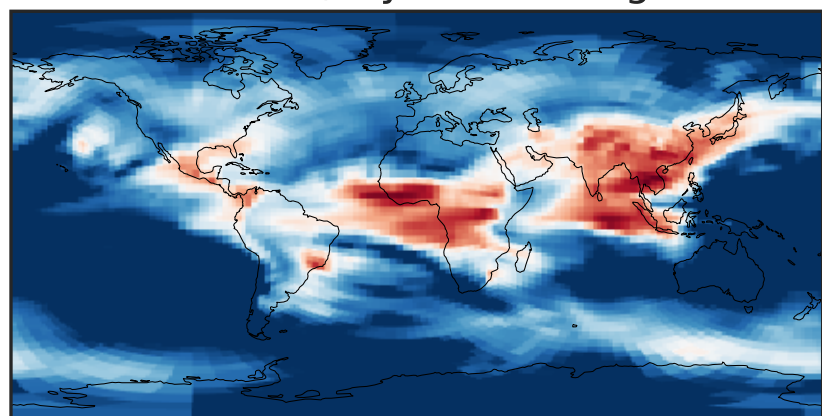
-26.61 -13.31 0.00 13.31 26.61  
ppb

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



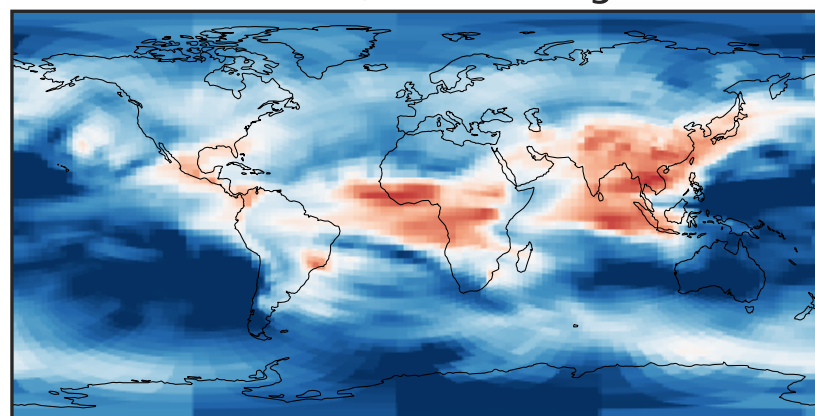
-3.811 -1.906 0.000 1.906 3.811  
ppb

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



0.601 0.801 1.000 1.332 1.664  
unitless

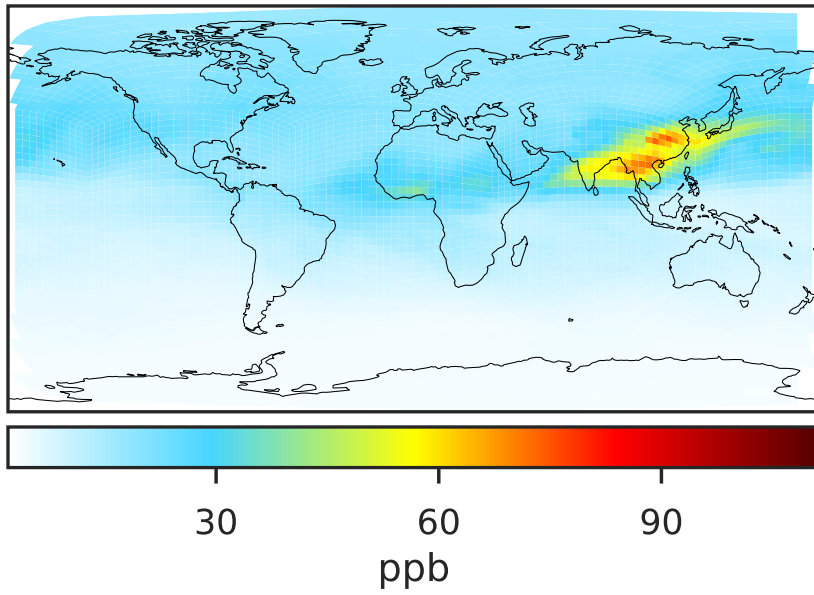
Ratio (1x1.25)  
Dev/Ref, Fixed Range



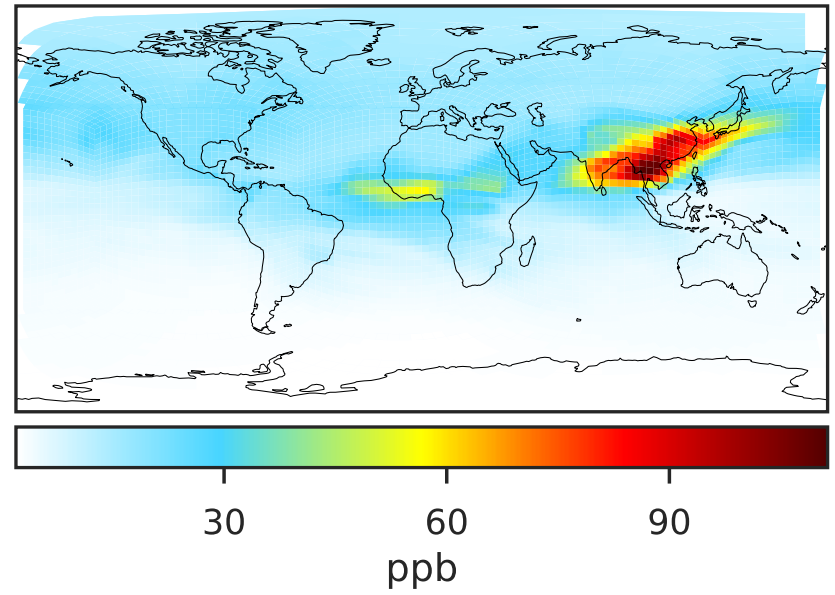
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_CO\_50 (Oct2019)

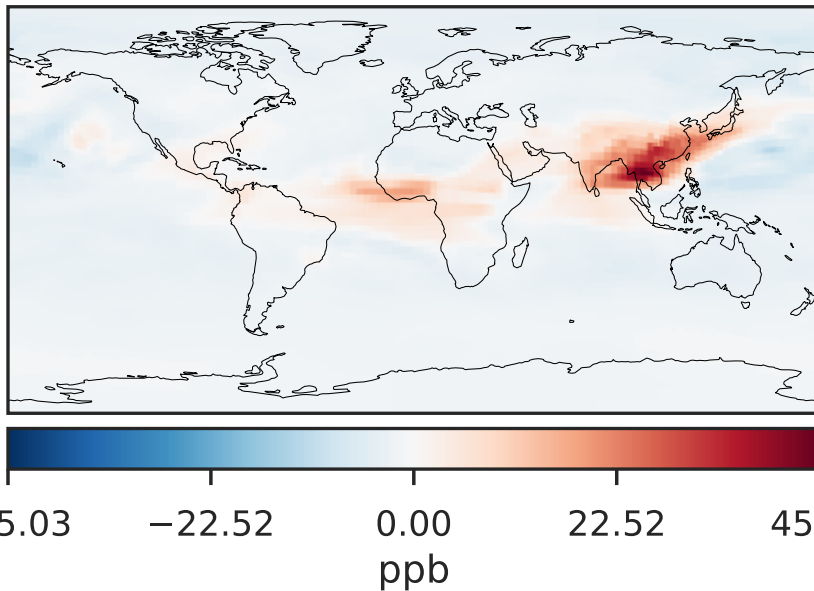
GCHP 14.2.2 using wind (Ref)  
c30



GCHP 14.2.2 using mass flux (Dev)  
c30

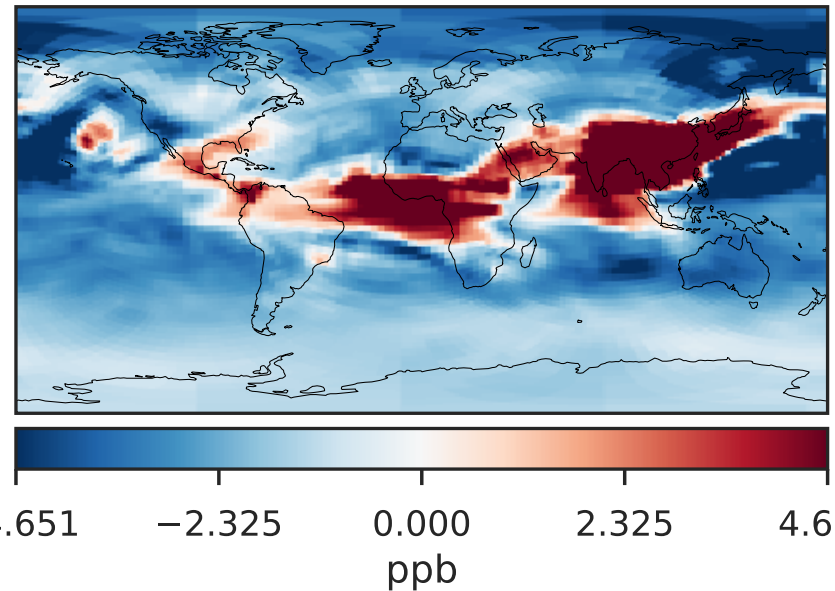


Difference (1x1.25)  
Dev - Ref, Dynamic Range



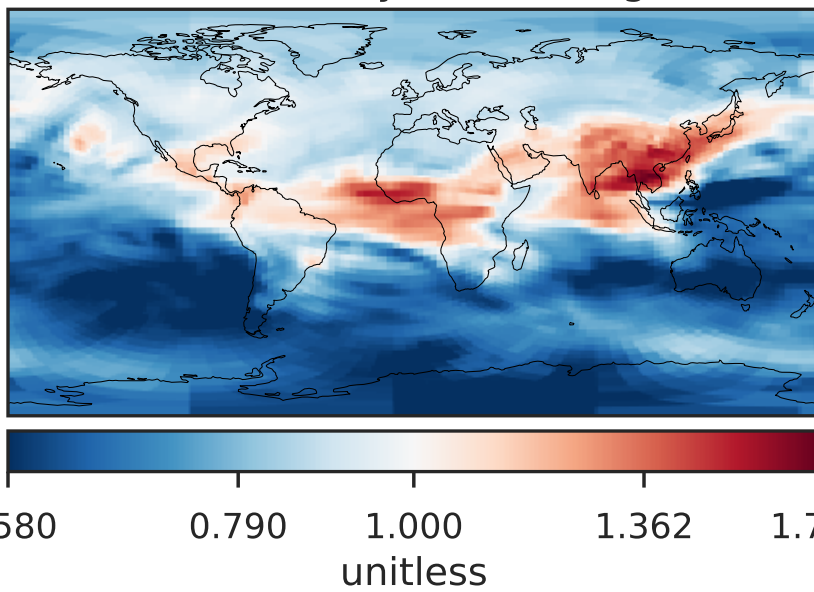
-45.03 -22.52 0.00 22.52 45.03  
ppb

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



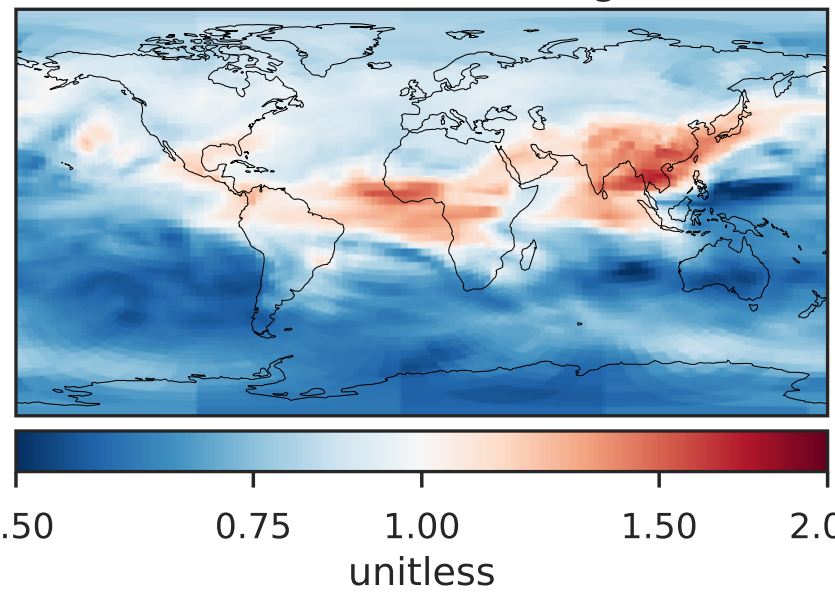
-4.651 -2.325 0.000 2.325 4.651  
ppb

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



0.580 0.790 1.000 1.362 1.724  
unitless

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

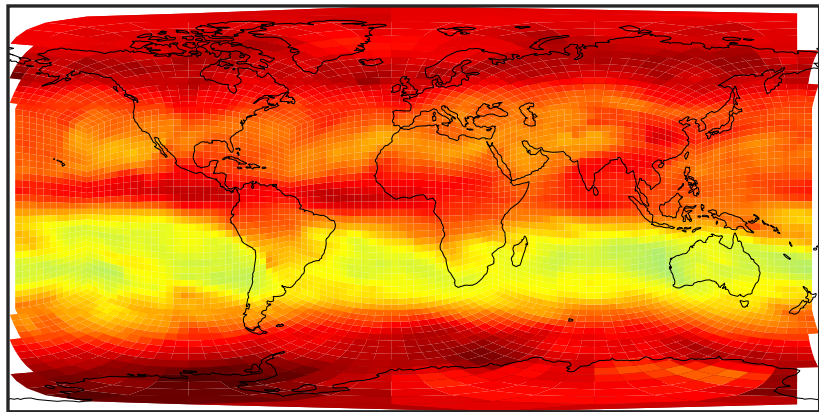


0.50 0.75 1.00 1.50 2.00  
unitless



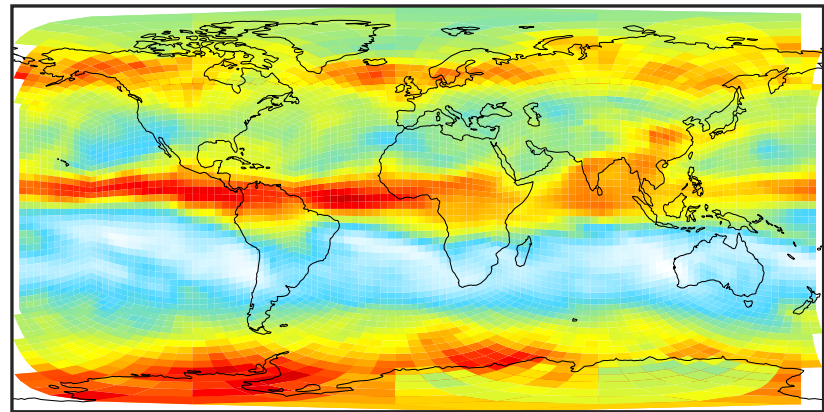
# SpeciesConcVV\_e90 (Oct2019)

GCHP 14.2.2 using wind (Ref)  
c30



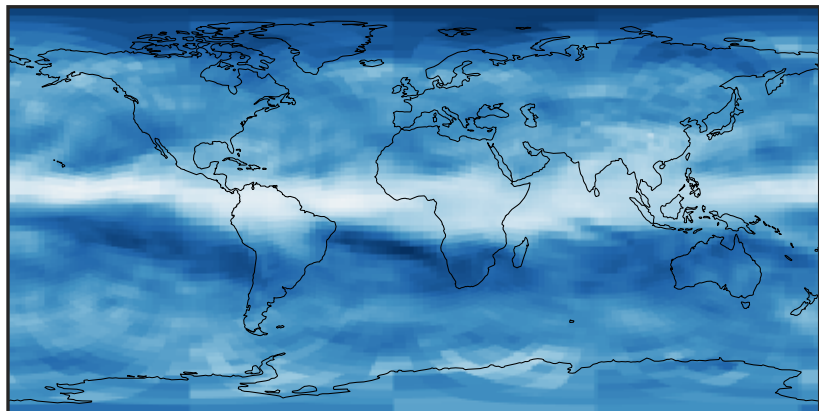
46.11 56.08 66.06 76.03 86.01  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c30



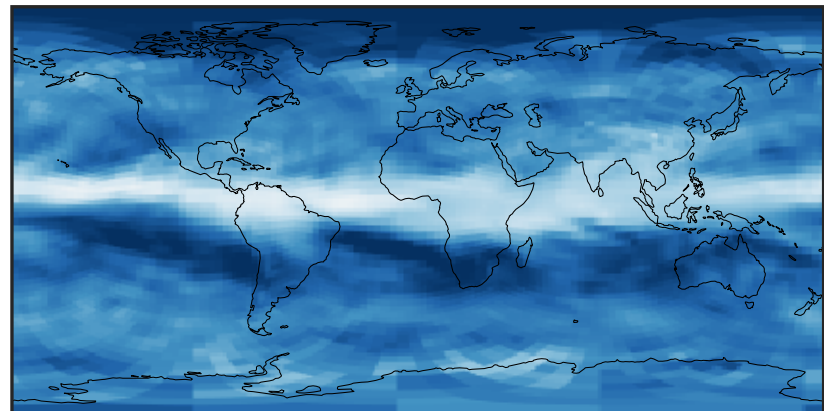
46.11 56.08 66.06 76.03 86.01  
ppb

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



-18.48 -9.24 0.00 9.24 18.48  
ppb

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



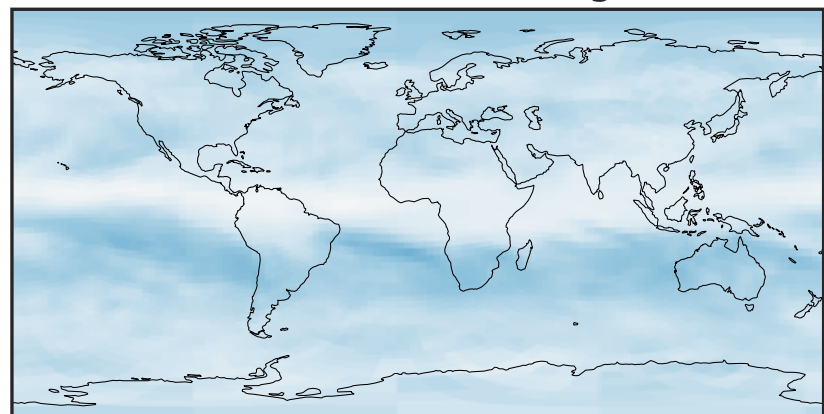
-16.33 -8.16 0.00 8.16 16.33  
ppb

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



0.98762 0.99381 1.00000 1.00627 1.01253  
unitless

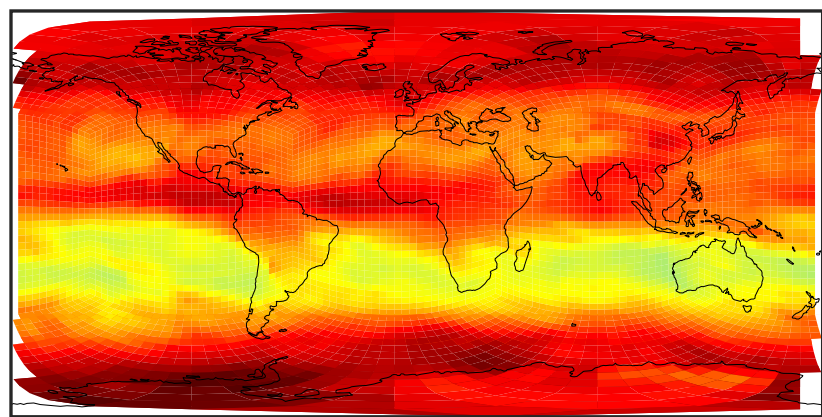
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

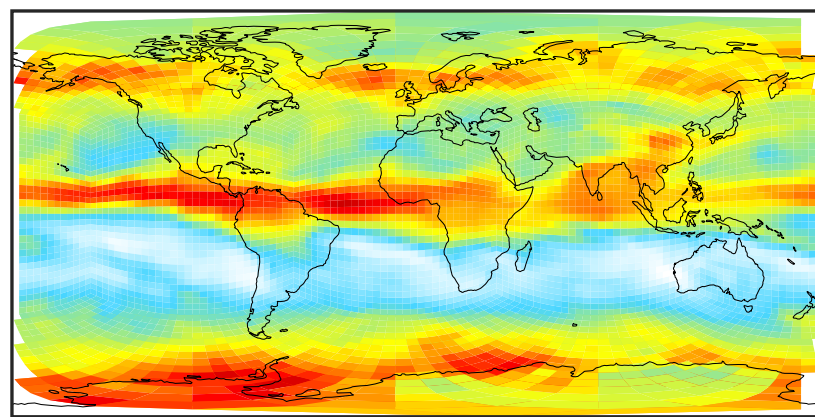
# SpeciesConcVV\_e90\_n (Oct2019)

GCHP 14.2.2 using wind (Ref)  
c30



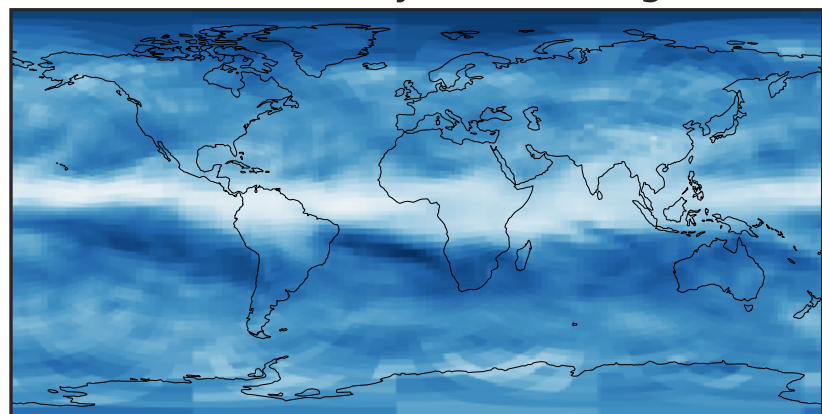
46.11 56.08 66.06 76.03 86.01  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c30



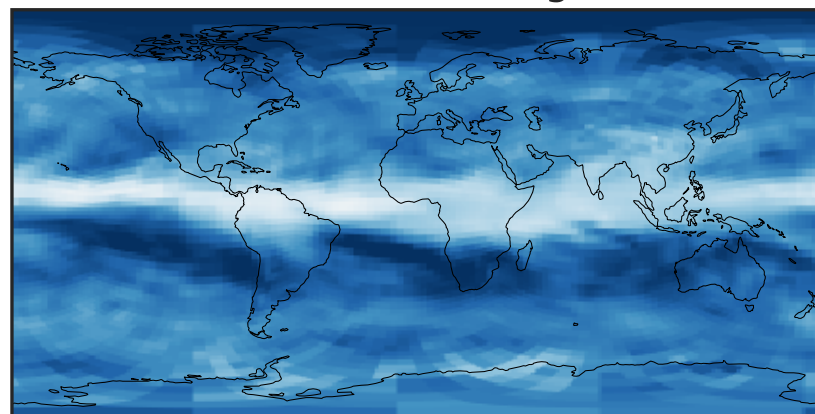
46.11 56.08 66.06 76.03 86.01  
ppb

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



-18.48 -9.24 0.00 9.24 18.48  
ppb

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



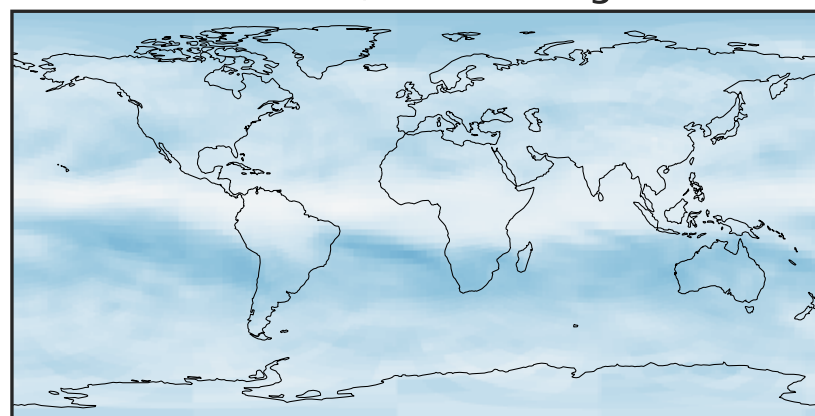
-16.33 -8.16 0.00 8.16 16.33  
ppb

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



0.98762 0.99381 1.00000 1.00627 1.01253  
unitless

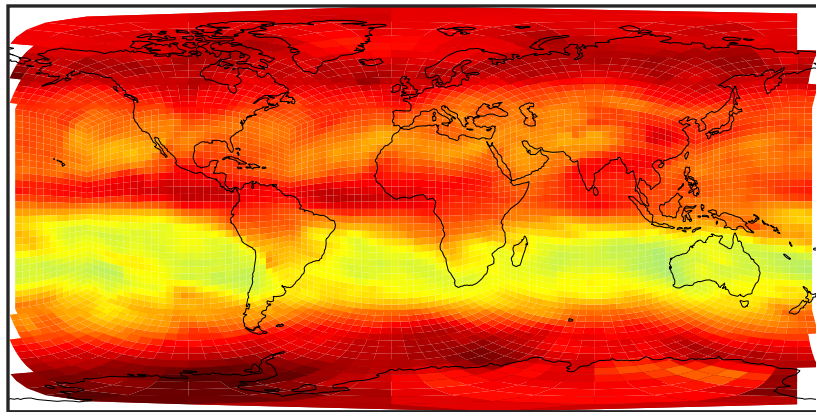
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

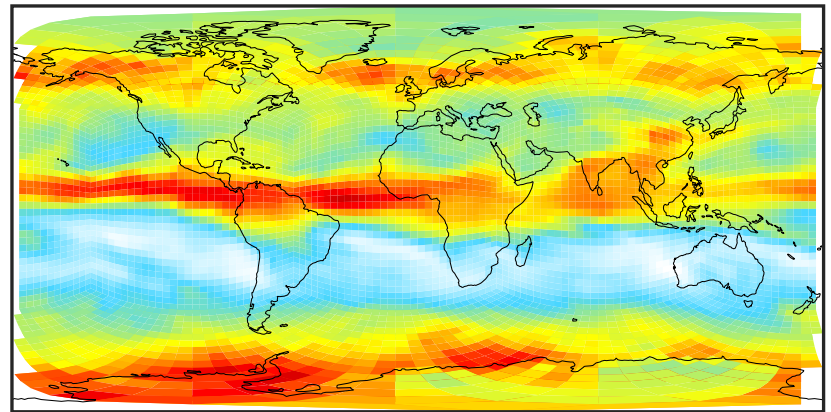
# SpeciesConcVV\_e90\_s (Oct2019)

GCHP 14.2.2 using wind (Ref)  
c30



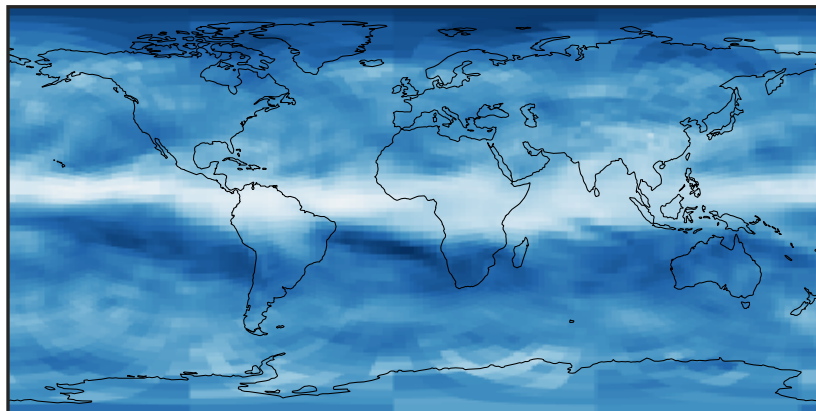
46.11 56.08 66.06 76.03 86.01  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c30



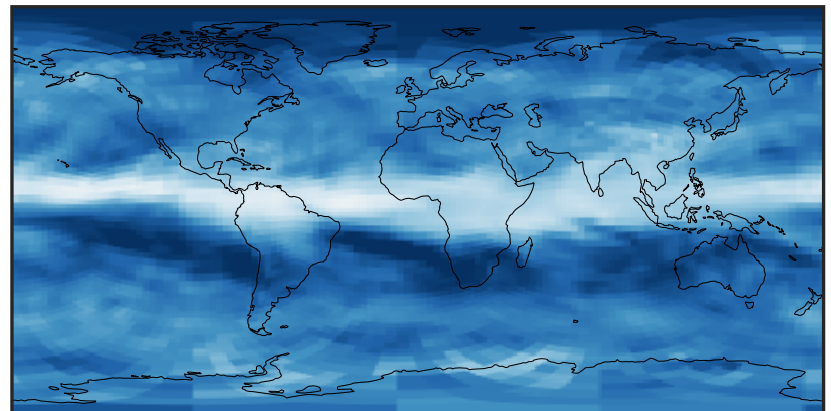
46.11 56.08 66.06 76.03 86.01  
ppb

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



-18.48 -9.24 0.00 9.24 18.48  
ppb

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



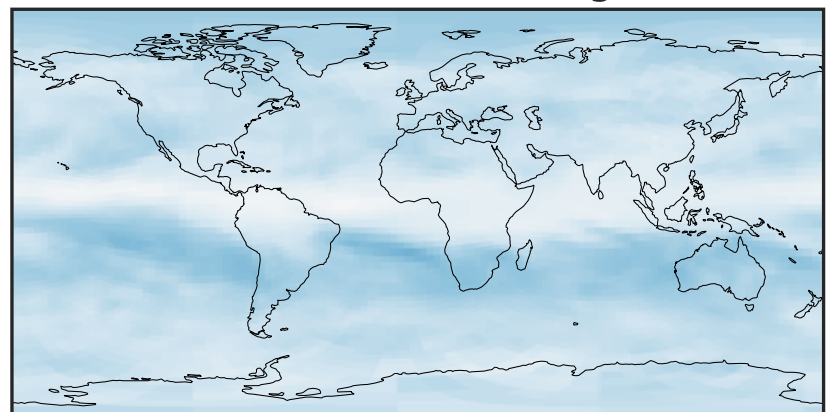
-16.33 -8.16 0.00 8.16 16.33  
ppb

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



0.98762 0.99381 1.00000 1.00627 1.01253  
unitless

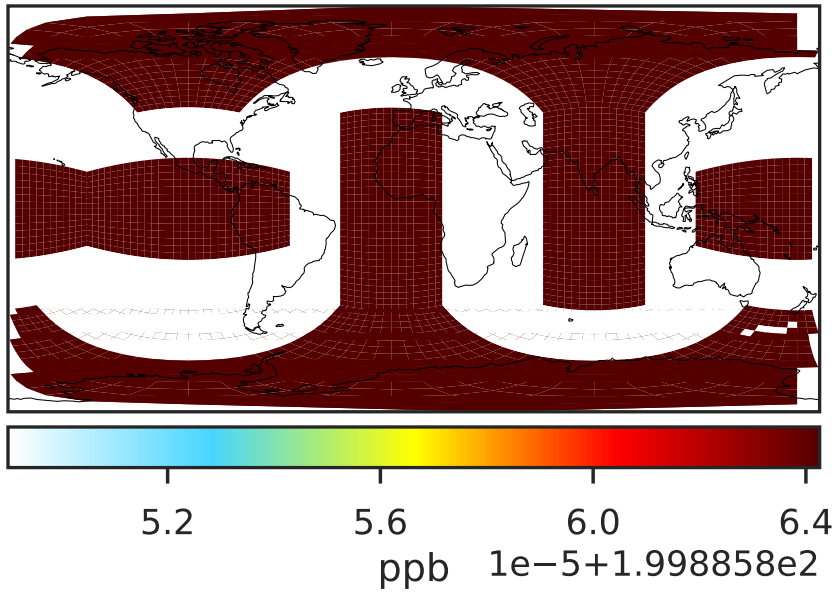
Ratio (1x1.25)  
Dev/Ref, Fixed Range



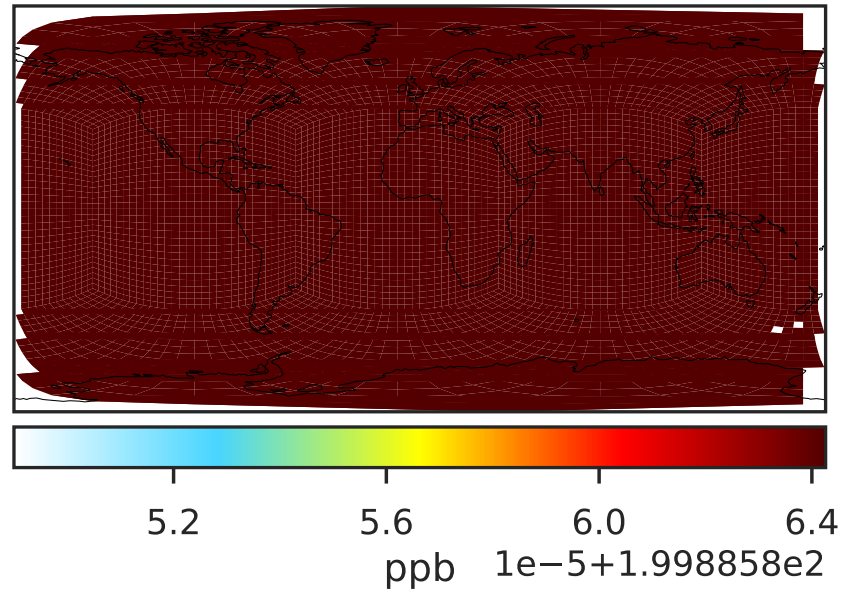
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_st80\_25 (Oct2019)

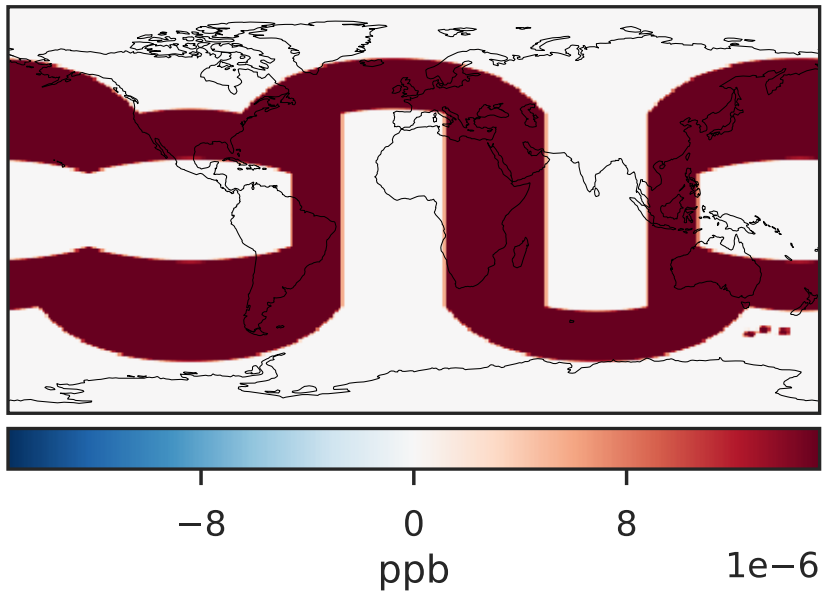
GCHP 14.2.2 using wind (Ref)  
c30



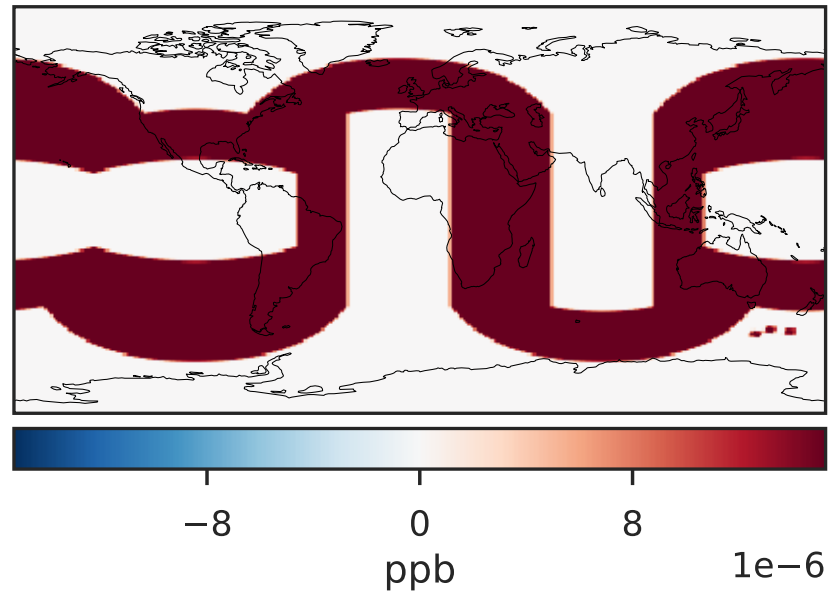
GCHP 14.2.2 using mass flux (Dev)  
c30



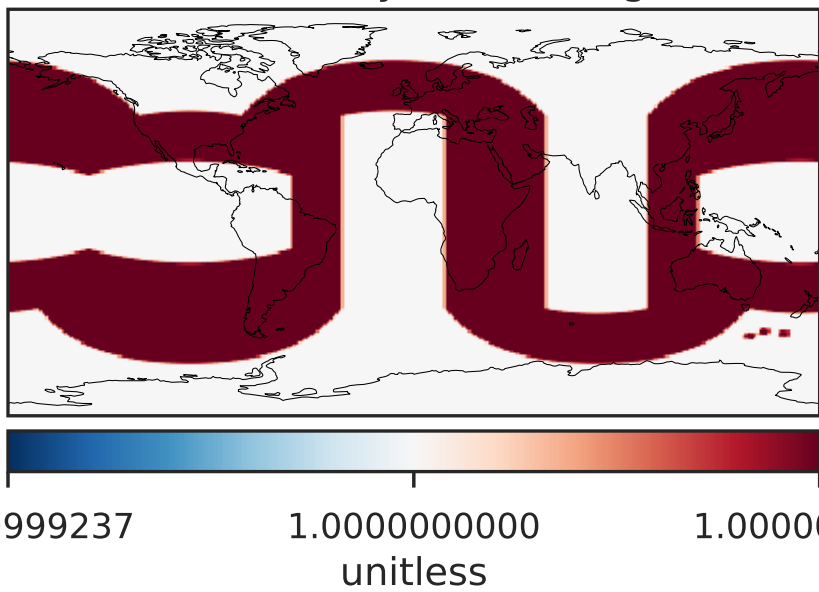
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



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

