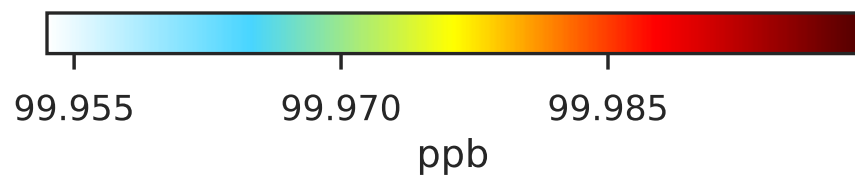
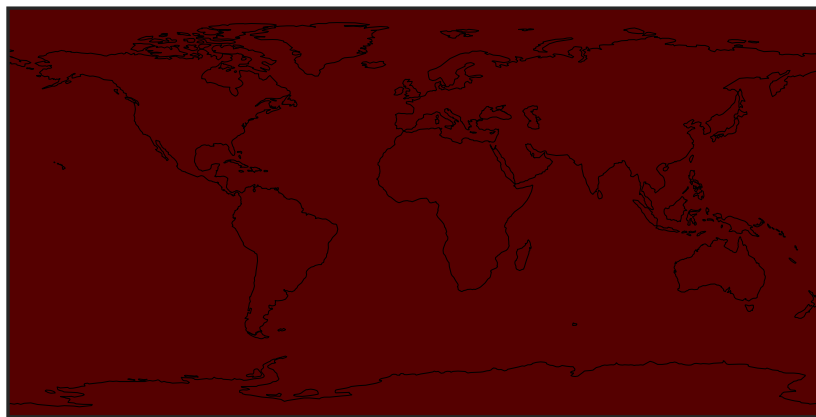
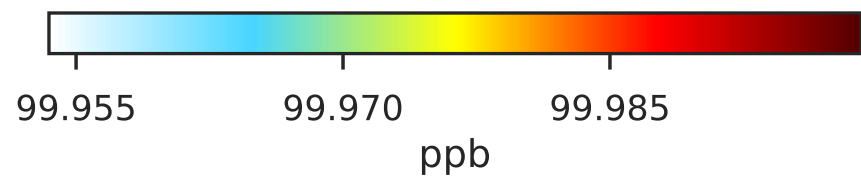
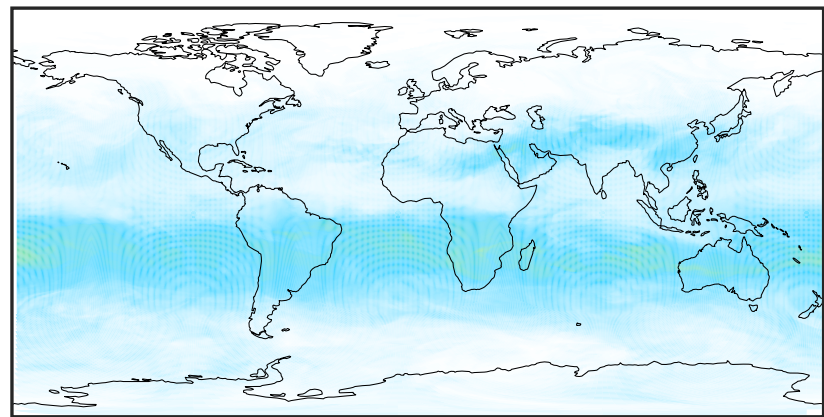


# SpeciesConcVV\_PassiveTracer (Jul2019)

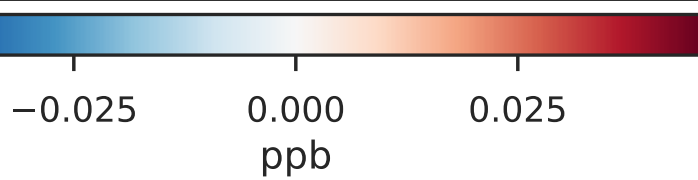
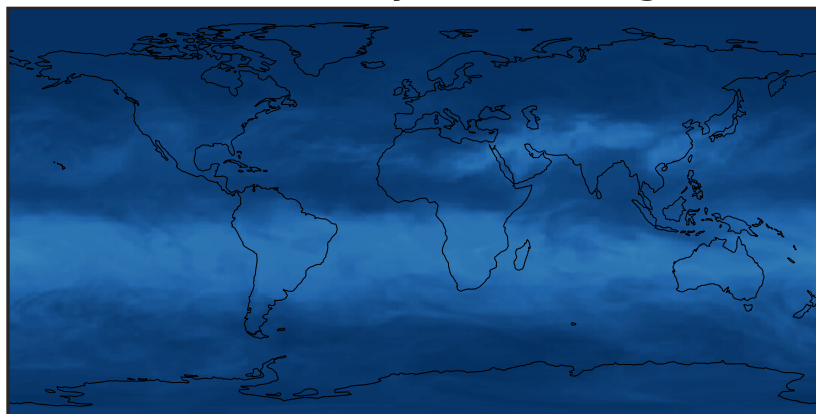
GCC 14.2.2 (Ref)  
4.0x5.0



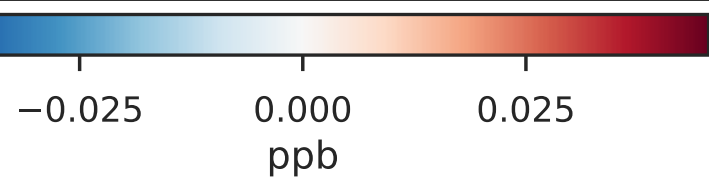
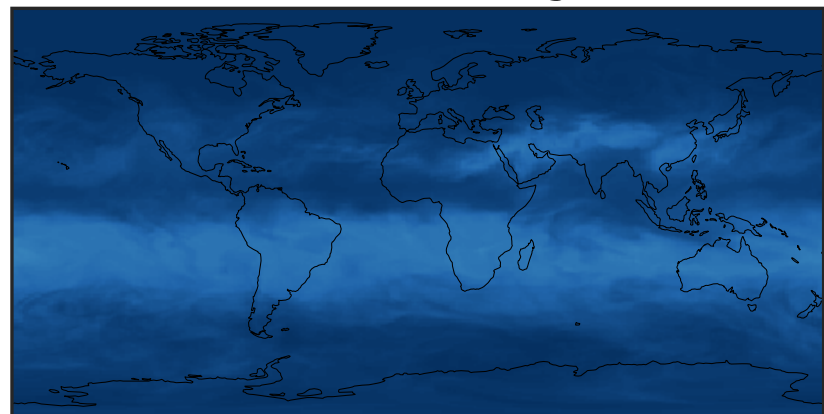
GCHP 14.2.2 using mass flux (Dev)  
c180



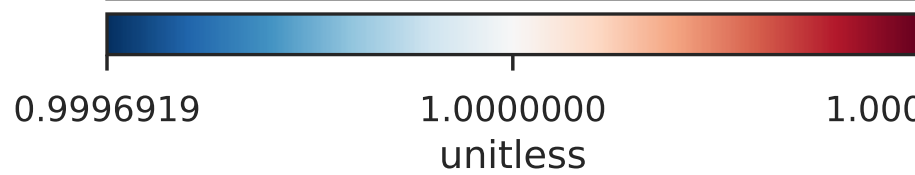
Difference (1x1.25)  
Dev - Ref, Dynamic Range



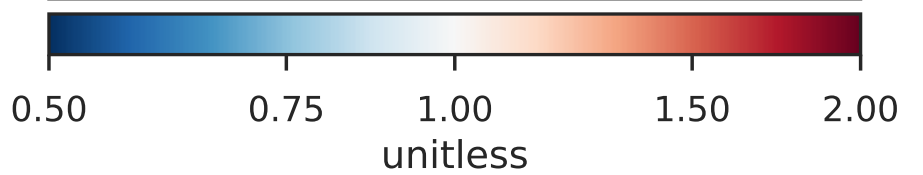
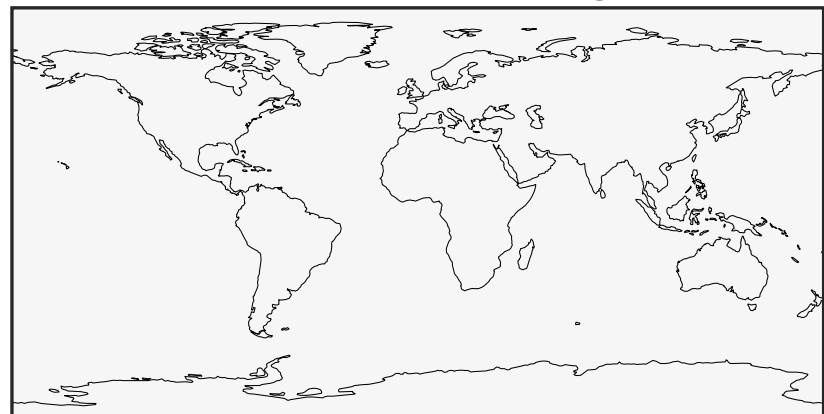
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

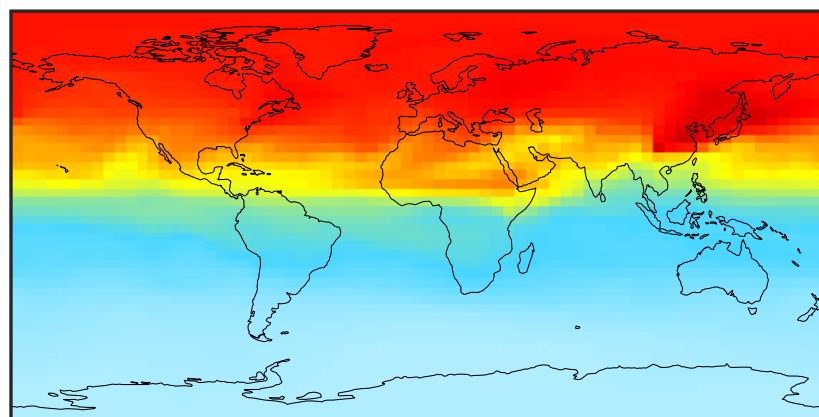


Ratio (1x1.25)  
Dev/Ref, Fixed Range



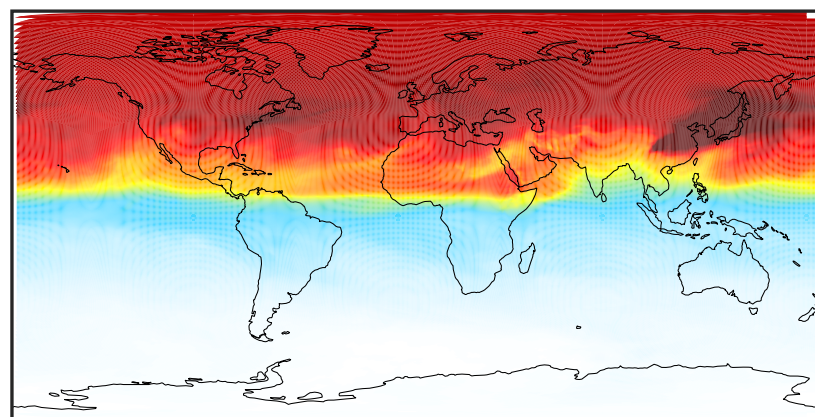
# SpeciesConcVV\_SF6 (Jul2019)

GCC 14.2.2 (Ref)  
4.0x5.0



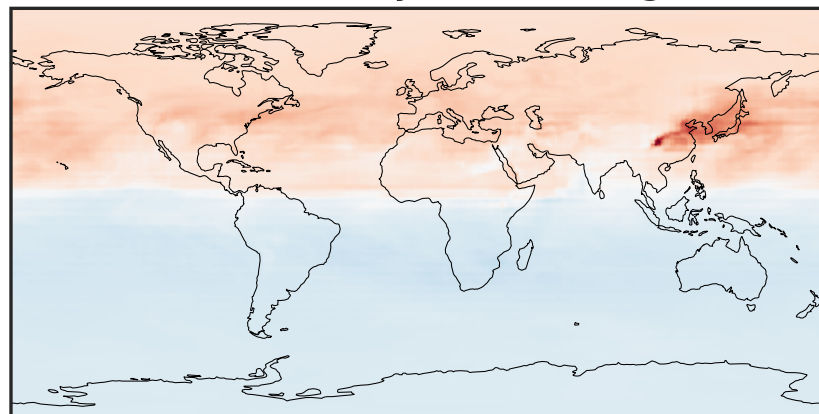
0.00255 0.00270 0.00285 0.00300  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



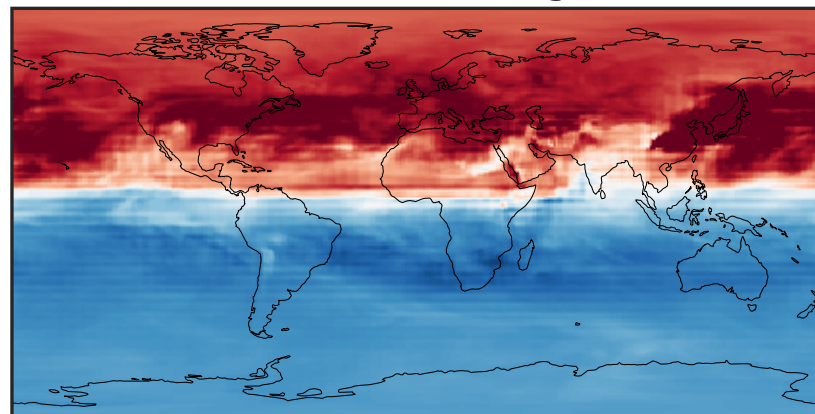
0.00255 0.00270 0.00285 0.00300  
ppb

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



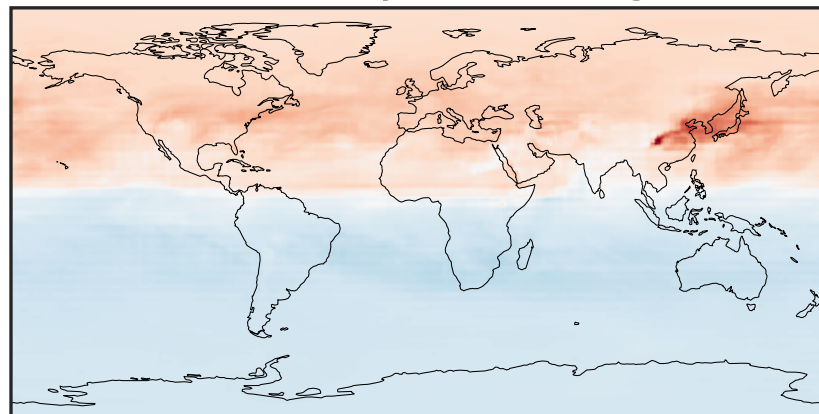
-0.00025 0.00000 0.00025  
ppb

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



-6 0 6  
ppb 1e-5

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



0.8764 0.9382 1.0000 1.0705 1.1410  
unitless

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

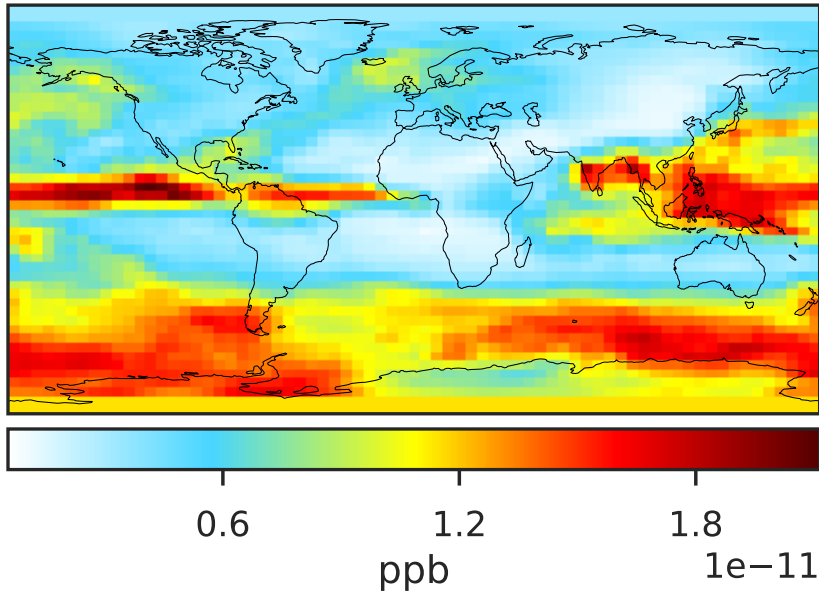


0.50 0.75 1.00 1.50 2.00  
unitless

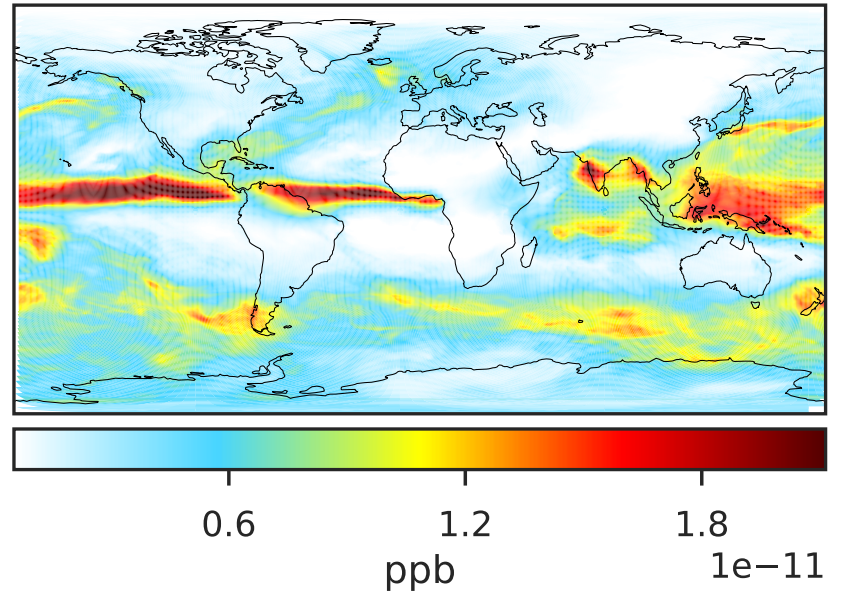


# SpeciesConcVV\_CH3I (Jul2019)

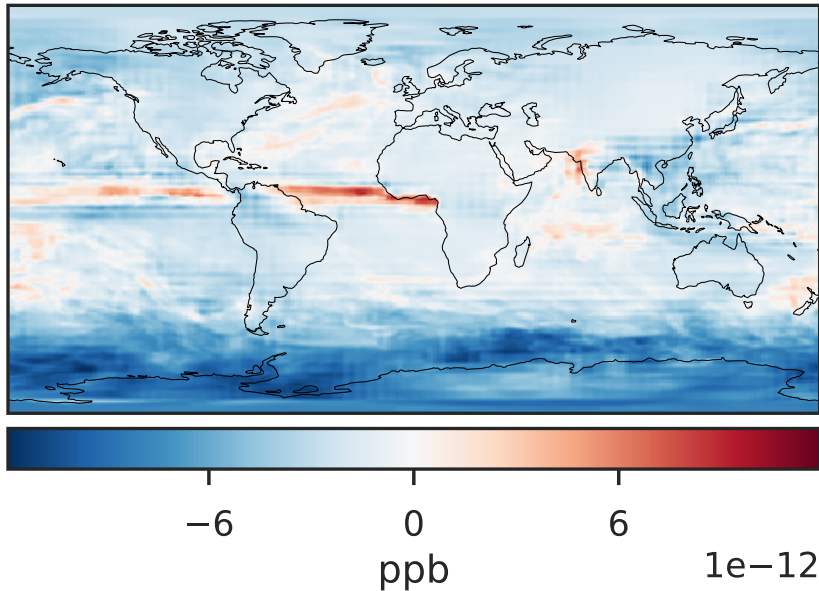
GCC 14.2.2 (Ref)  
4.0x5.0



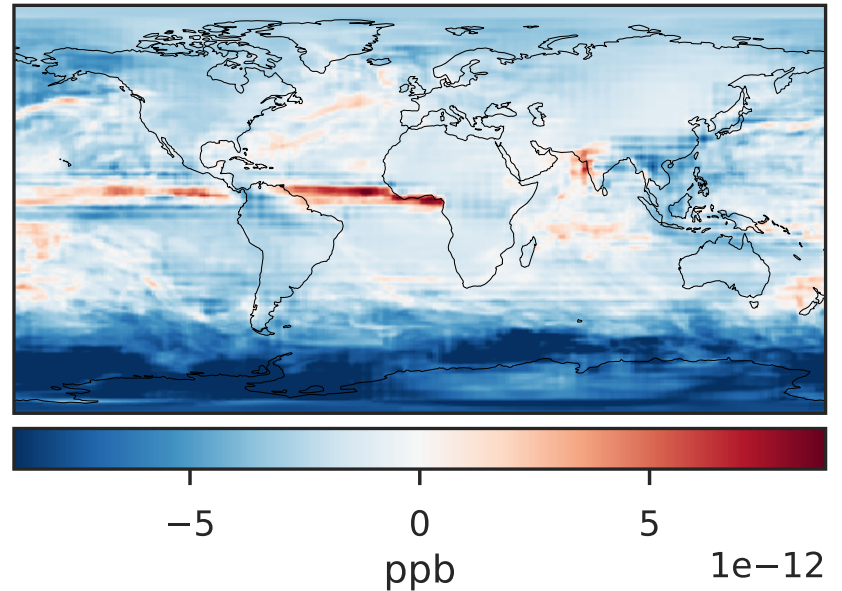
GCHP 14.2.2 using mass flux (Dev)  
c180



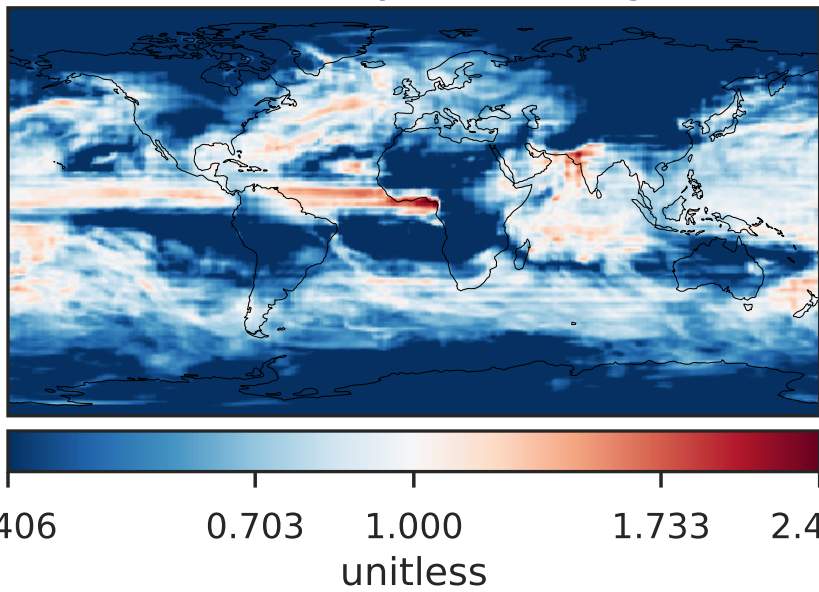
Difference (1x1.25)  
Dev - Ref, Dynamic Range



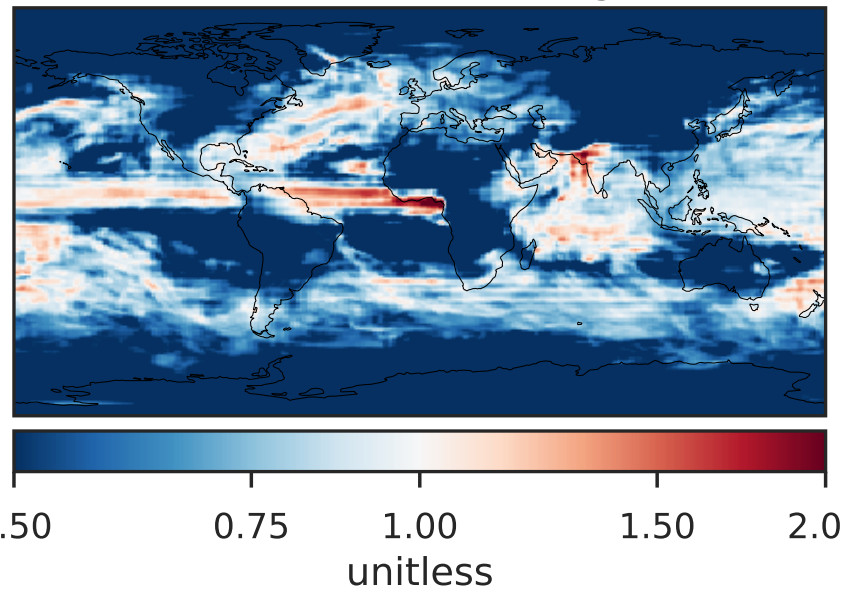
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



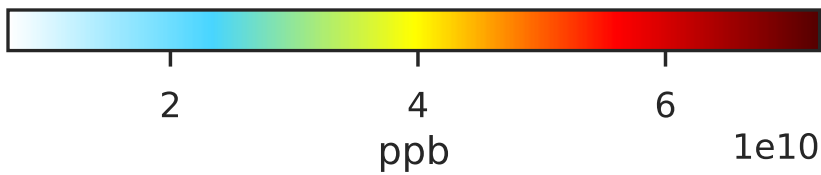
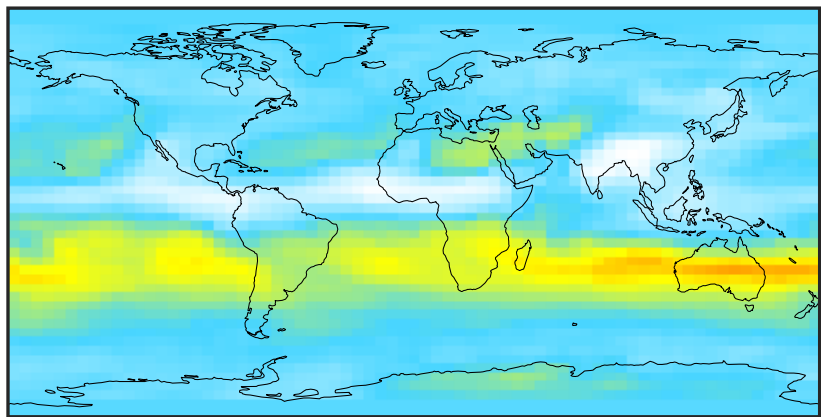
Ratio (1x1.25)  
Dev/Ref, Fixed Range



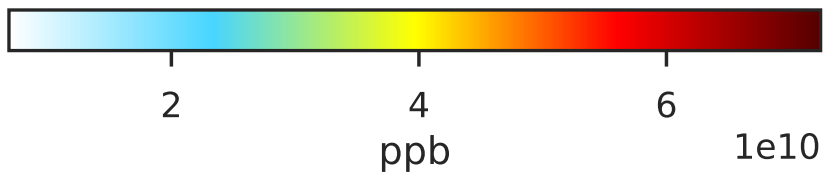
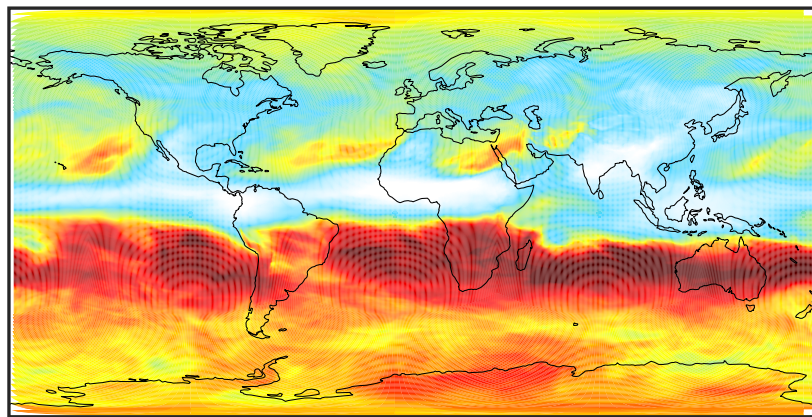


# SpeciesConcVV\_aoa (Jul2019)

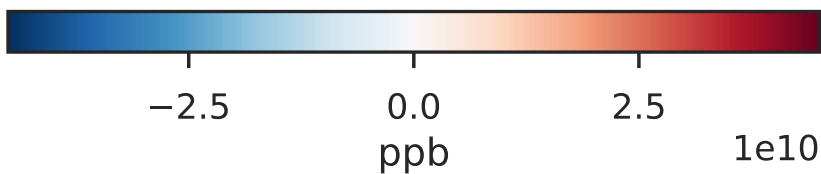
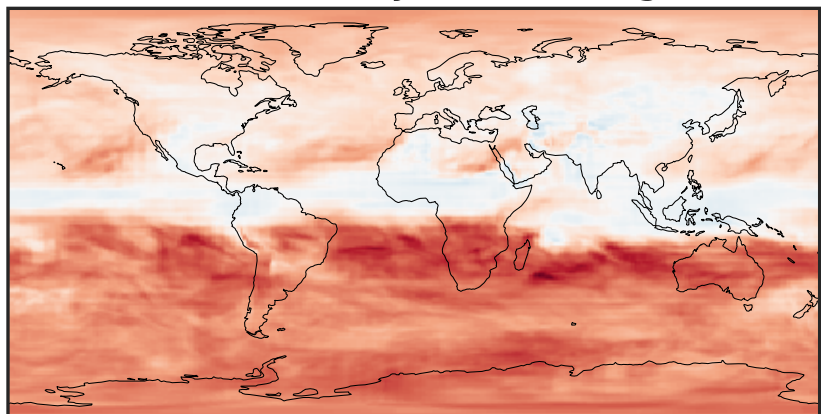
GCC 14.2.2 (Ref)  
4.0x5.0



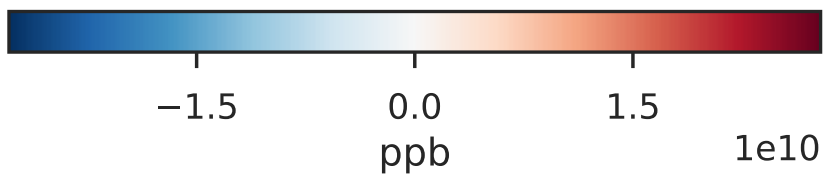
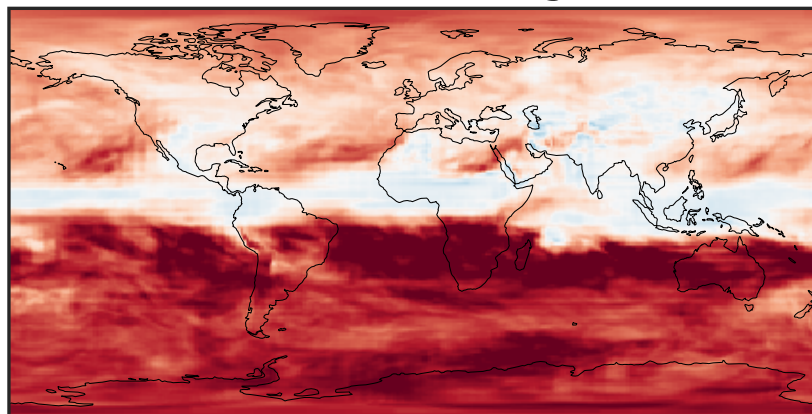
GCHP 14.2.2 using mass flux (Dev)  
c180



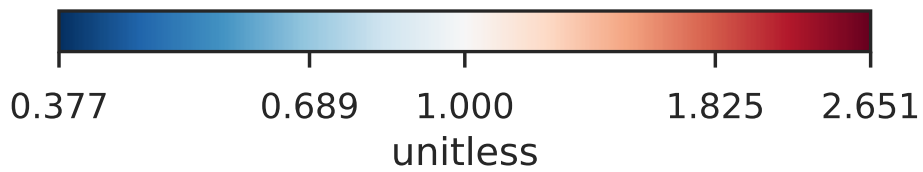
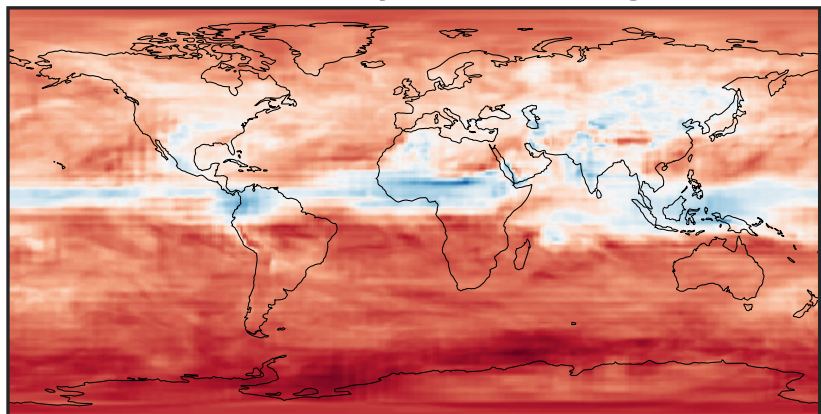
Difference (1x1.25)  
Dev - Ref, Dynamic Range



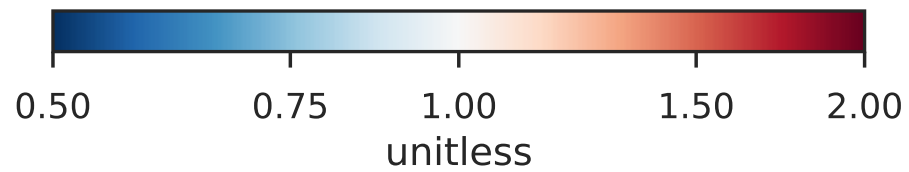
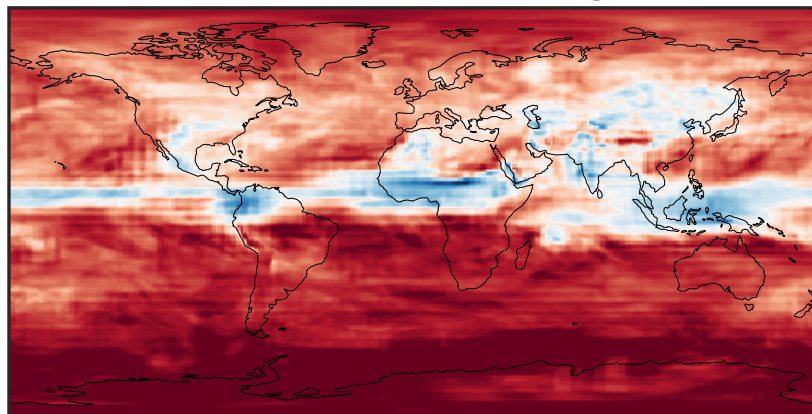
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



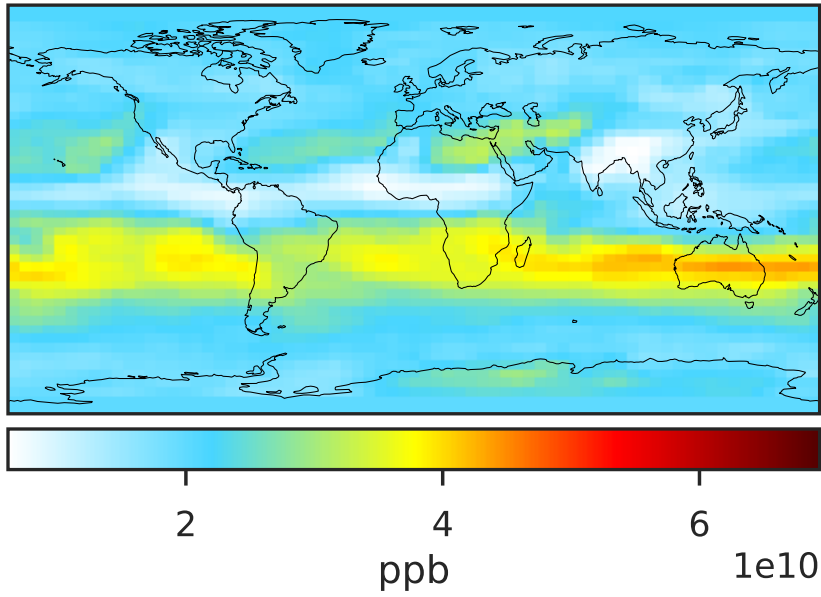
Ratio (1x1.25)  
Dev/Ref, Fixed Range



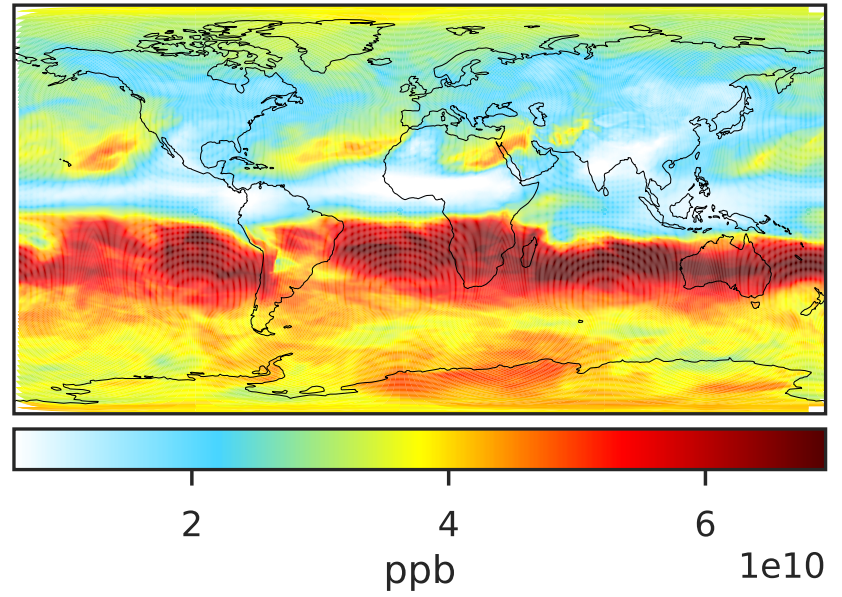


# SpeciesConcVV\_aoa\_bl (Jul2019)

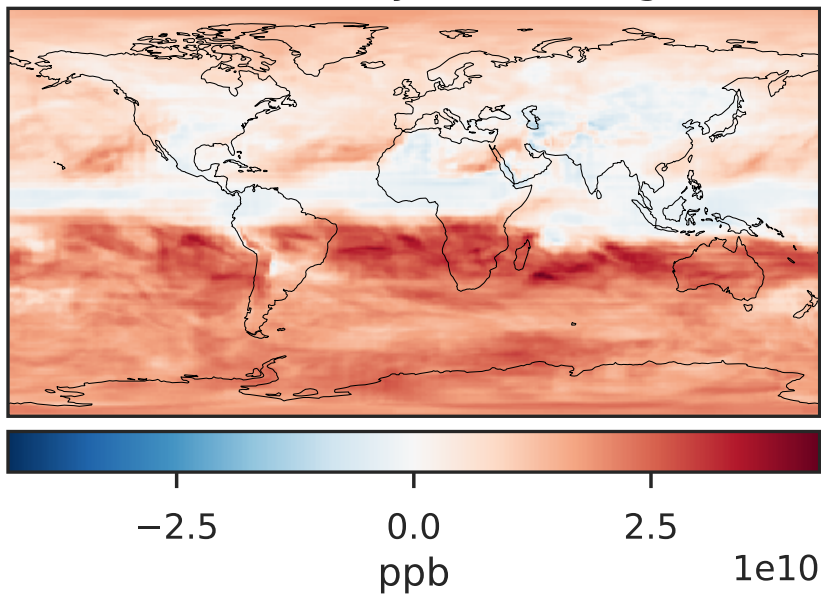
GCC 14.2.2 (Ref)  
4.0x5.0



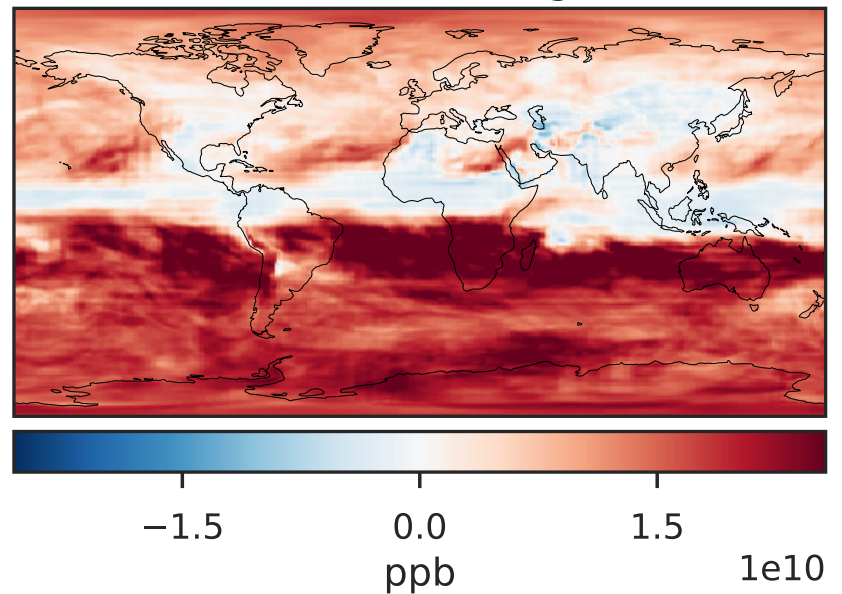
GCHP 14.2.2 using mass flux (Dev)  
c180



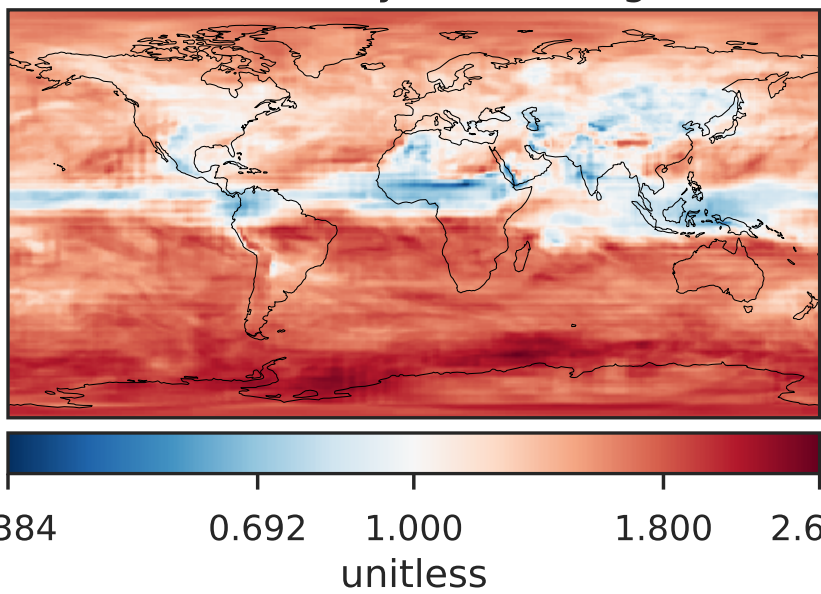
Difference (1x1.25)  
Dev - Ref, Dynamic Range



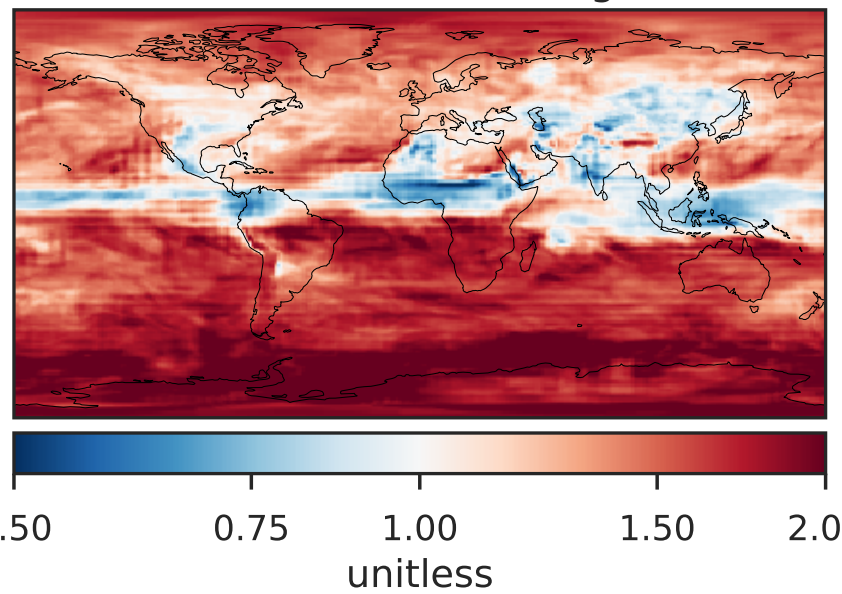
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



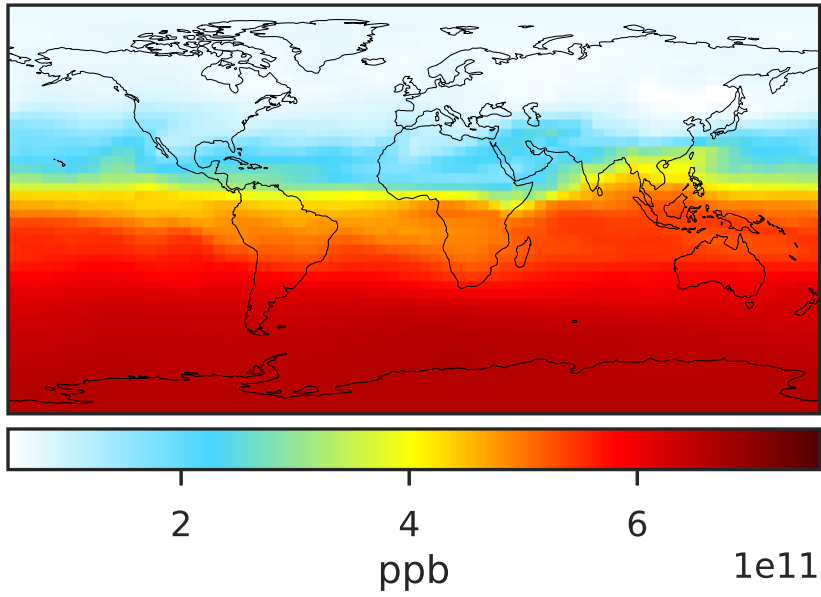
Ratio (1x1.25)  
Dev/Ref, Fixed Range



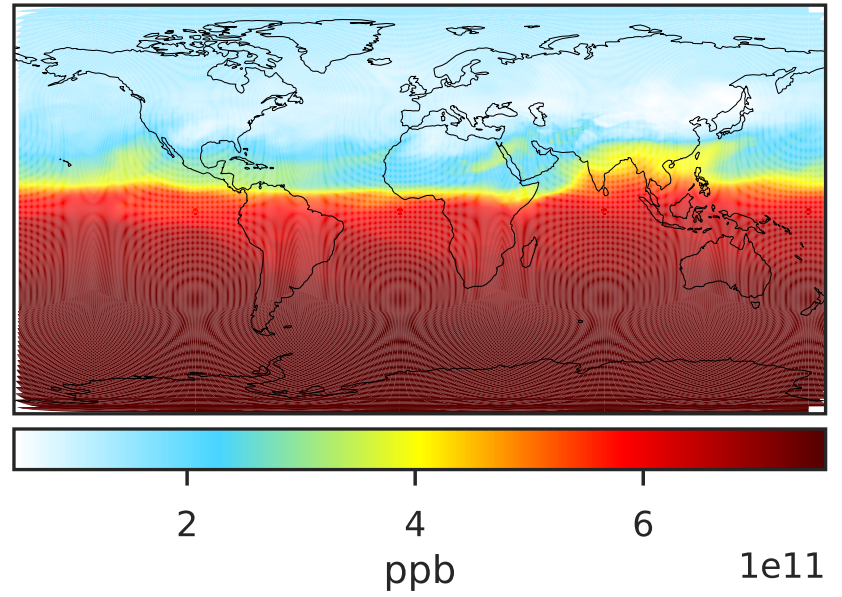


# SpeciesConcVV\_aoa\_nh (Jul2019)

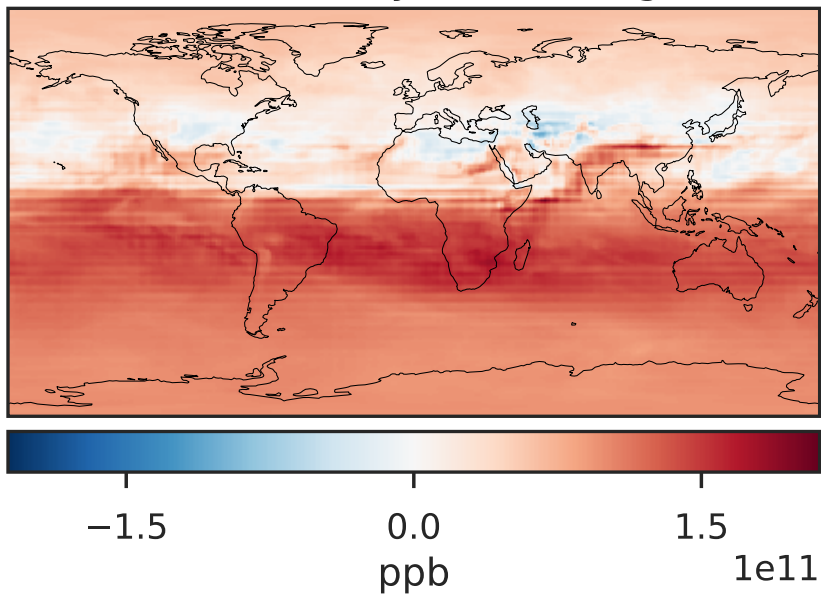
GCC 14.2.2 (Ref)  
4.0x5.0



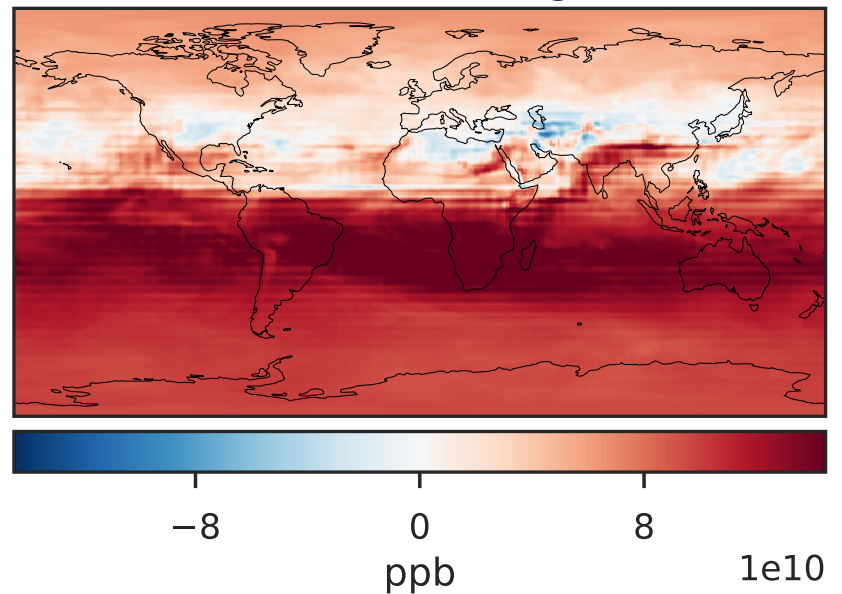
GCHP 14.2.2 using mass flux (Dev)  
c180



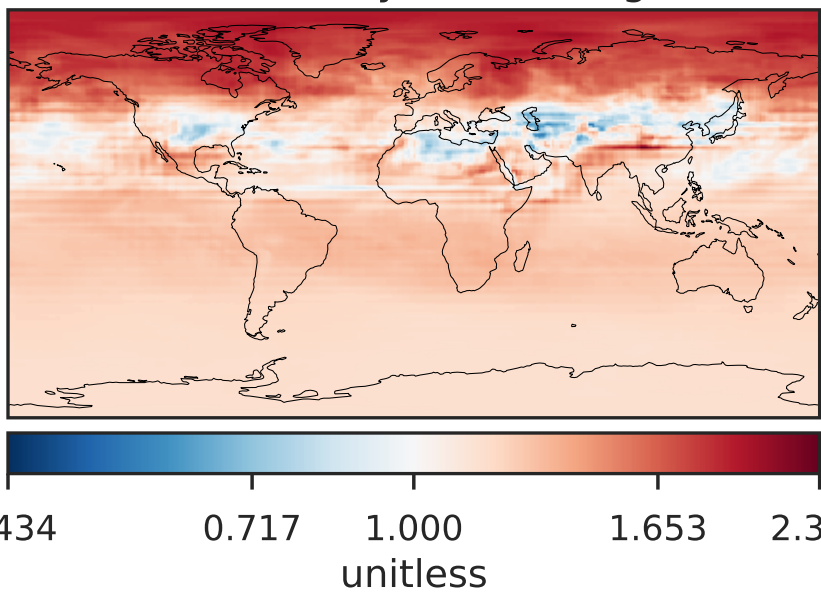
Difference (1x1.25)  
Dev - Ref, Dynamic Range



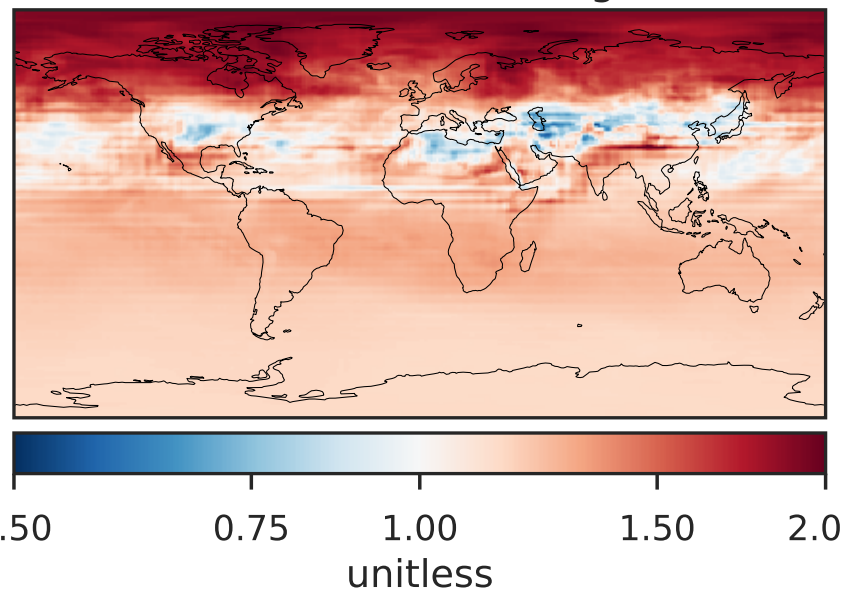
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

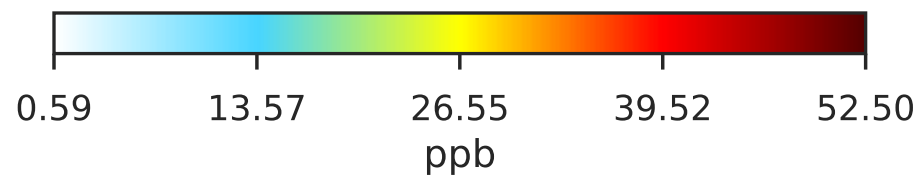
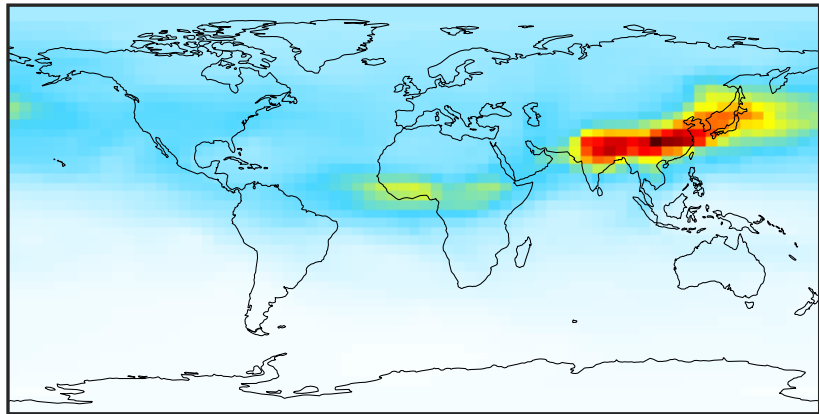


Ratio (1x1.25)  
Dev/Ref, Fixed Range

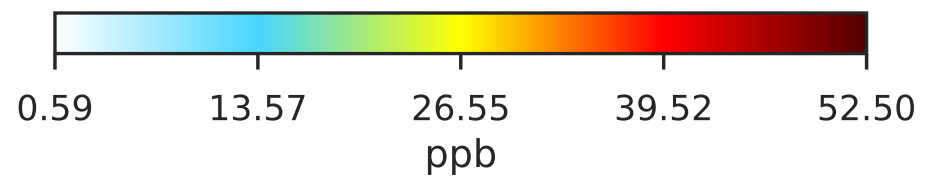
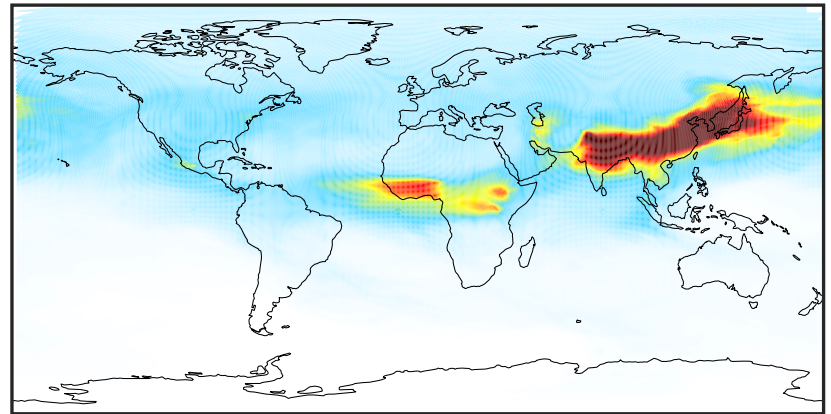


# SpeciesConcVV\_CO\_25 (Jul2019)

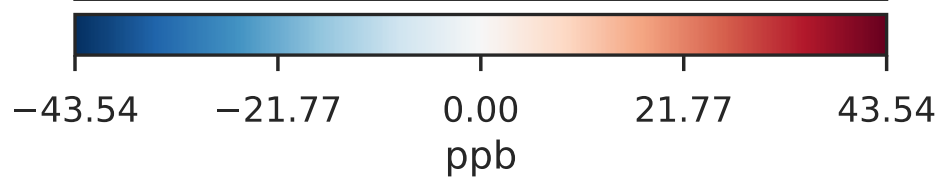
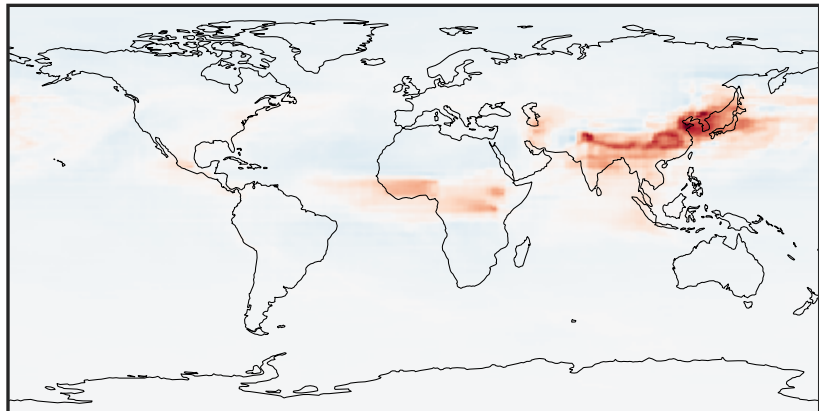
GCC 14.2.2 (Ref)  
4.0x5.0



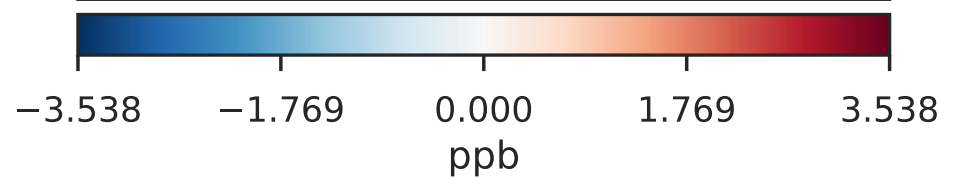
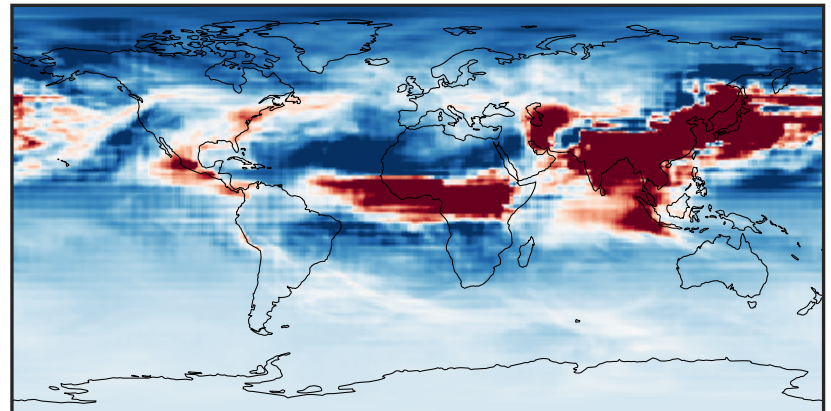
GCHP 14.2.2 using mass flux (Dev)  
c180



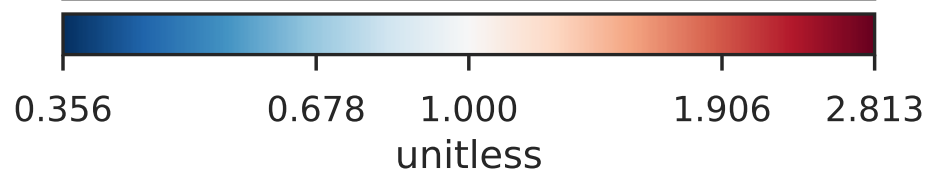
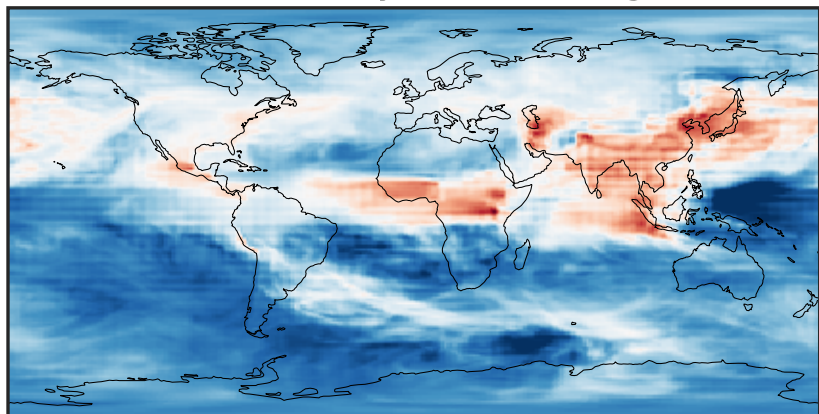
Difference (1x1.25)  
Dev - Ref, Dynamic Range



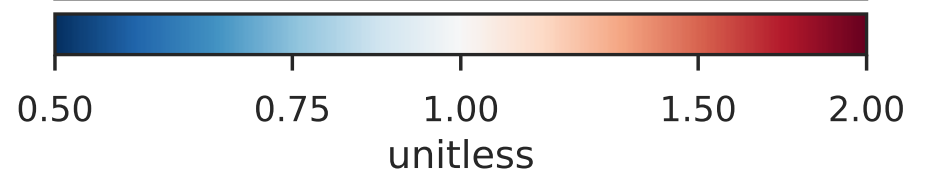
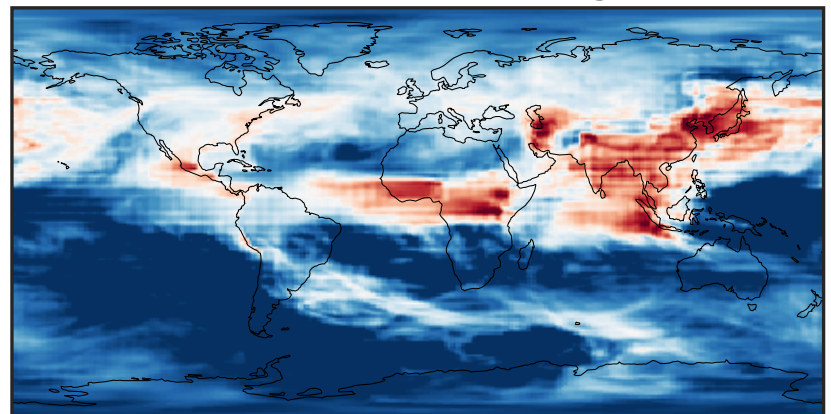
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



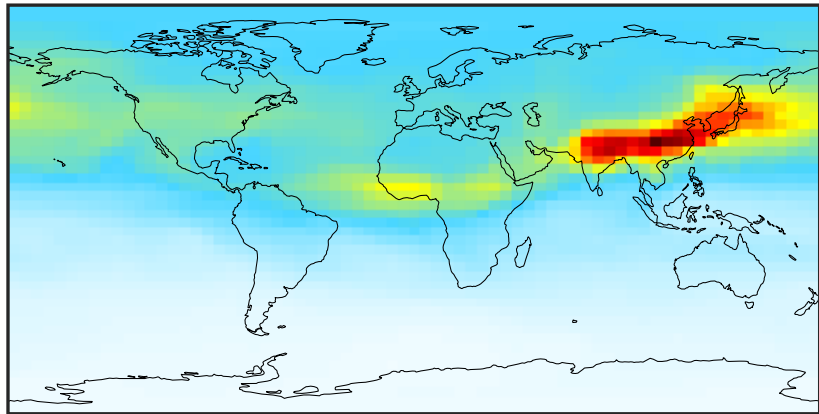
Ratio (1x1.25)  
Dev/Ref, Fixed Range





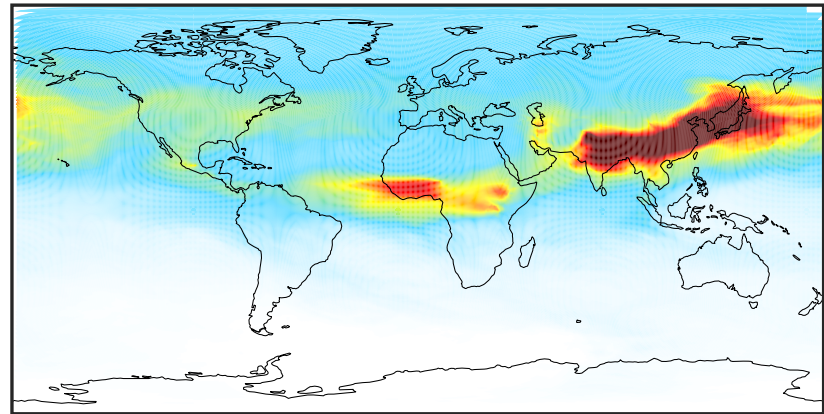
# SpeciesConcVV\_CO\_50 (Jul2019)

GCC 14.2.2 (Ref)  
4.0x5.0



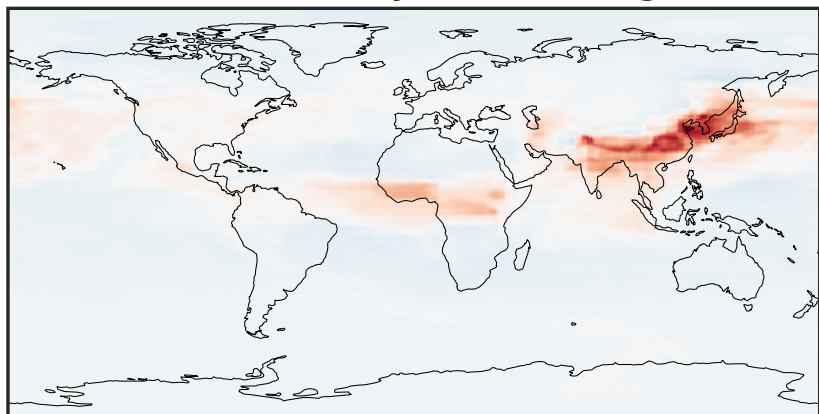
2.20 18.94 35.68 52.42 69.16  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



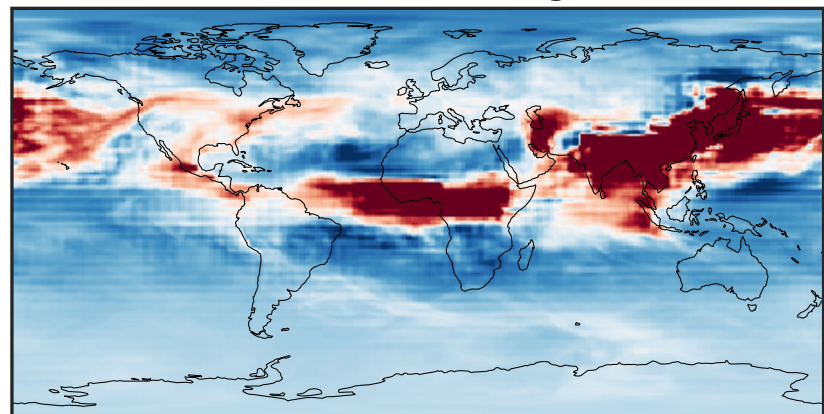
2.20 18.94 35.68 52.42 69.16  
ppb

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



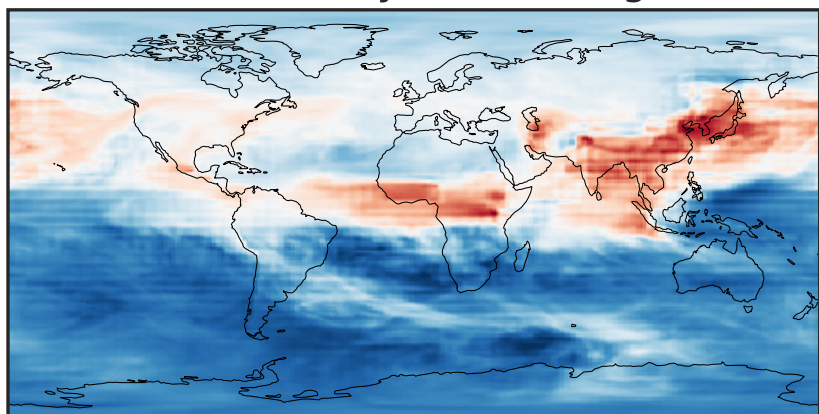
-30 0 30  
ppb

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



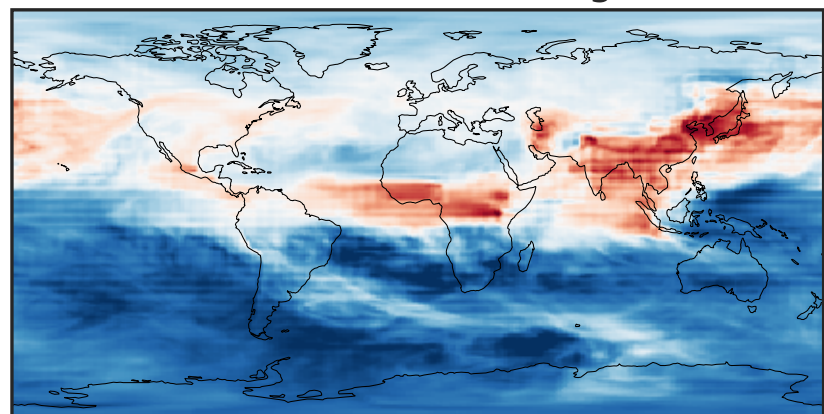
-6.33 -3.16 0.00 3.16 6.33  
ppb

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



0.465 0.732 1.000 1.576 2.152  
unitless

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

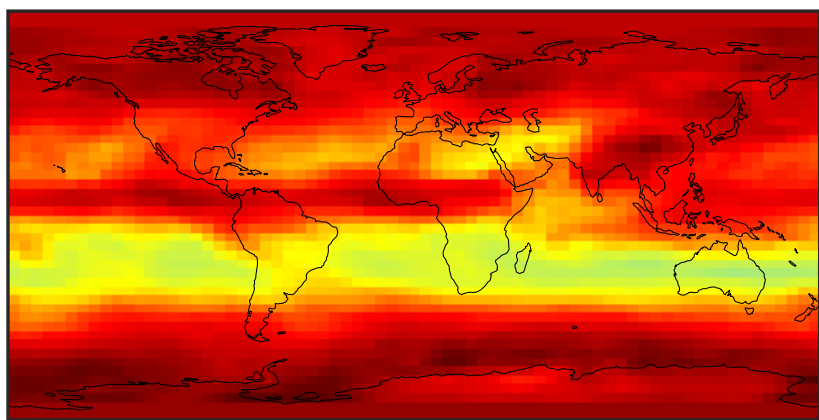


0.50 0.75 1.00 1.50 2.00  
unitless



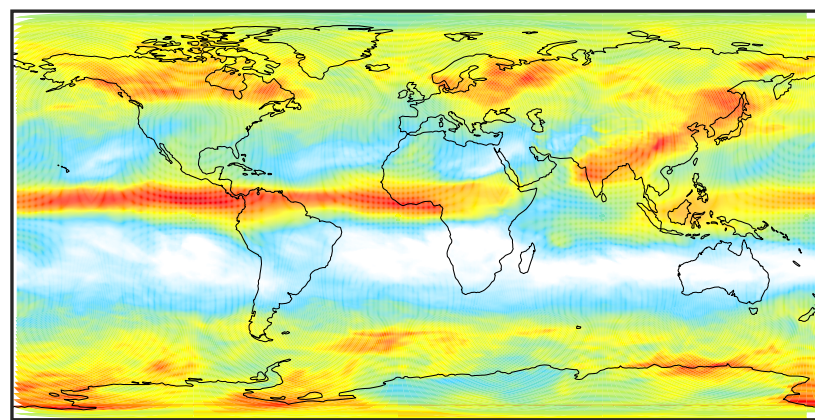
# SpeciesConcVV\_e90 (Jul2019)

GCC 14.2.2 (Ref)  
4.0x5.0



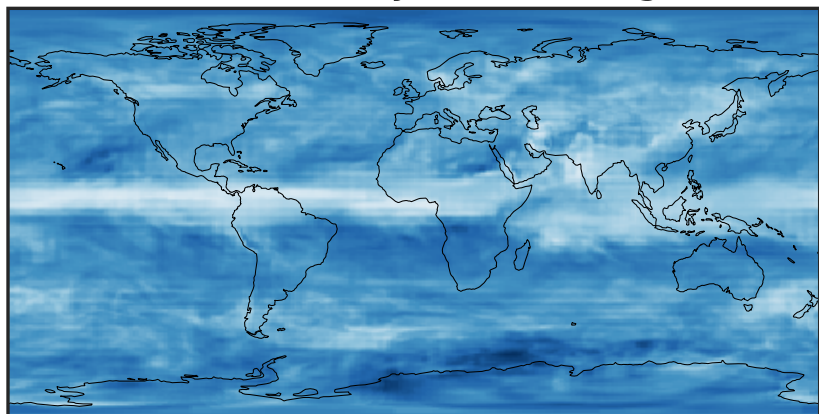
48.09 57.43 66.77 76.11 85.45  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



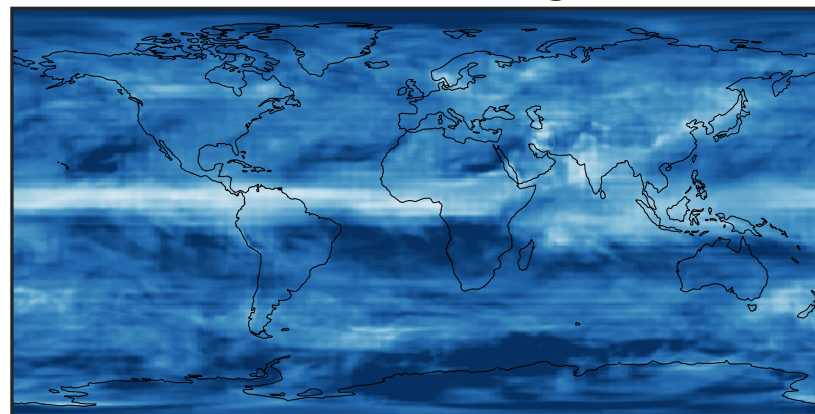
48.09 57.43 66.77 76.11 85.45  
ppb

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



-23.48 -11.74 0.00 11.74 23.48  
ppb

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



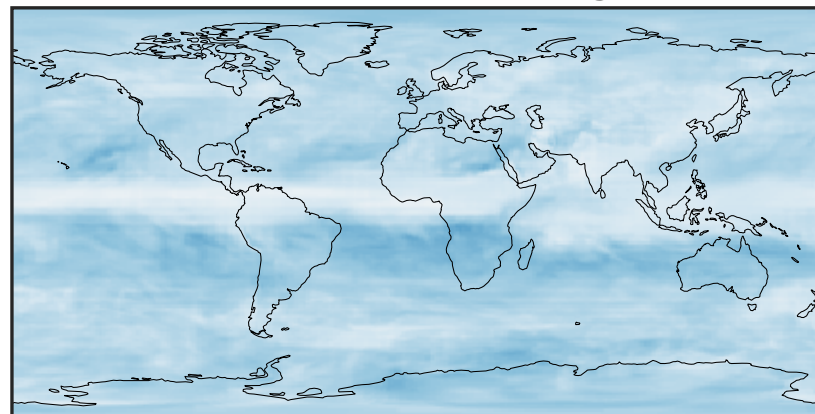
-18 -9 0 9 18  
ppb

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



0.96441 0.98220 1.00000 1.01845 1.03691  
unitless

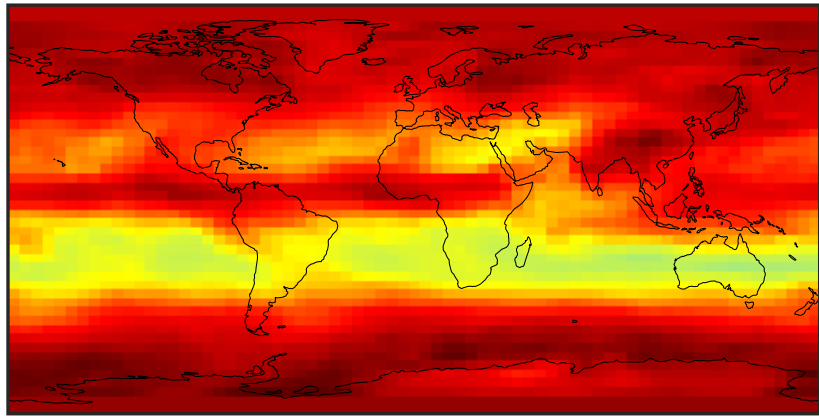
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

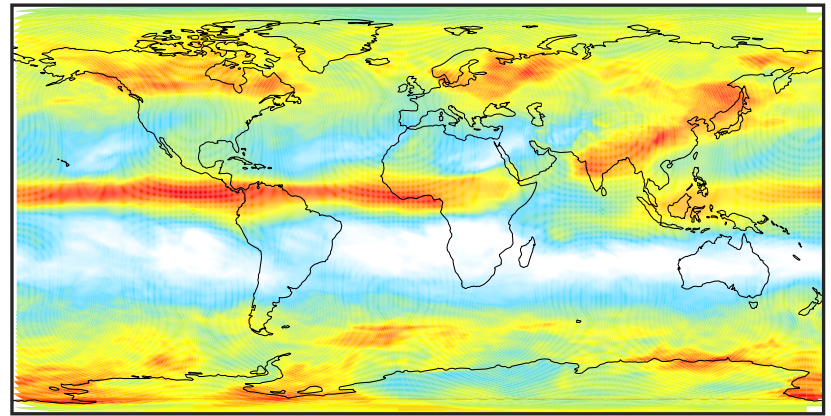
# SpeciesConcVV\_e90\_n (Jul2019)

GCC 14.2.2 (Ref)  
4.0x5.0



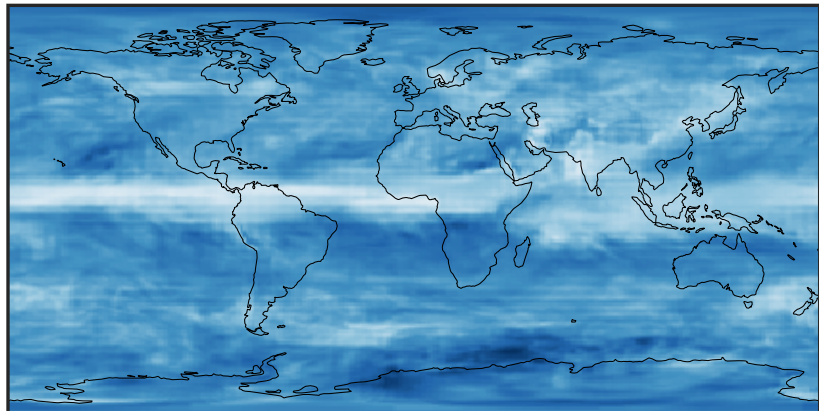
48.09 57.43 66.77 76.11 85.45  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



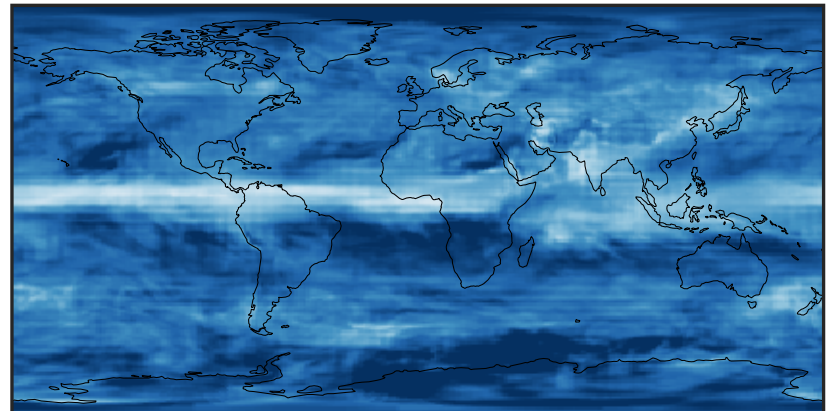
48.09 57.43 66.77 76.11 85.45  
ppb

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



-23.48 -11.74 0.00 11.74 23.48  
ppb

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



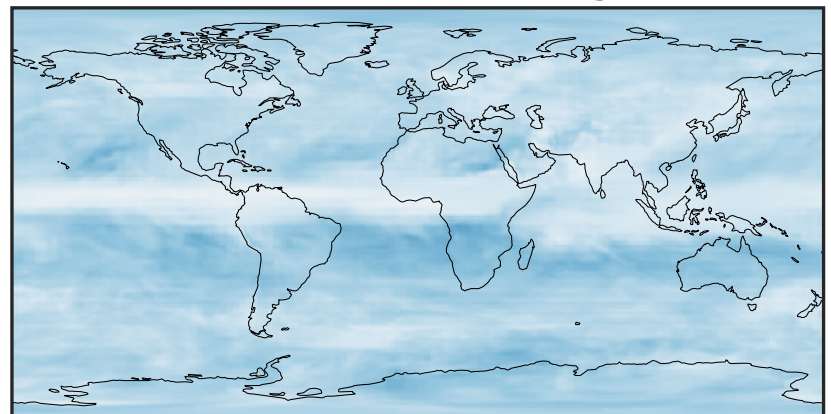
-18 -9 0 9 18  
ppb

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



0.96441 0.98220 1.00000 1.01845 1.03691  
unitless

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

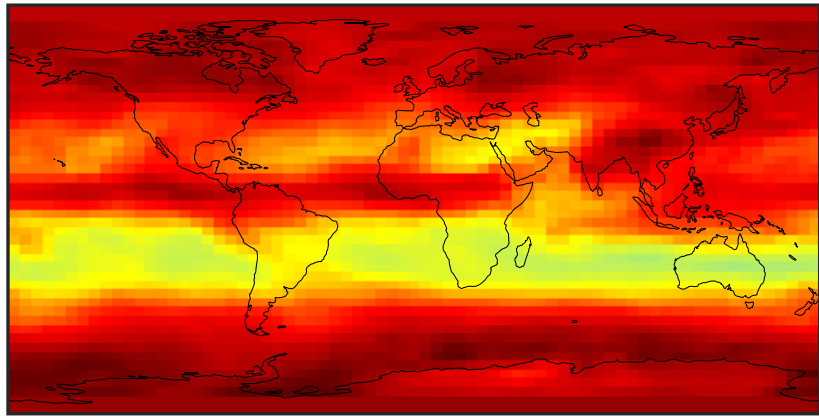


0.50 0.75 1.00 1.50 2.00  
unitless



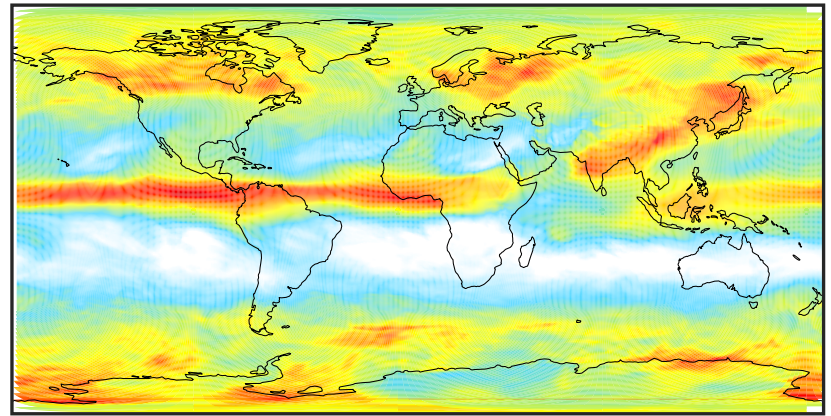
# SpeciesConcVV\_e90\_s (Jul2019)

GCC 14.2.2 (Ref)  
4.0x5.0



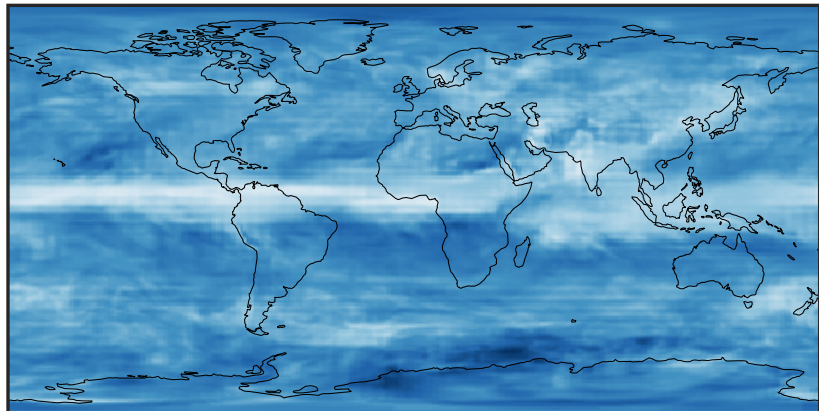
48.09 57.43 66.77 76.11 85.45  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



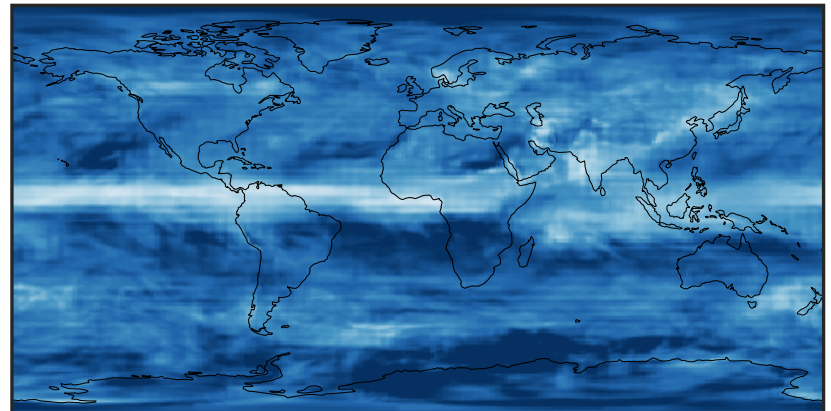
48.09 57.43 66.77 76.11 85.45  
ppb

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



-23.48 -11.74 0.00 11.74 23.48  
ppb

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



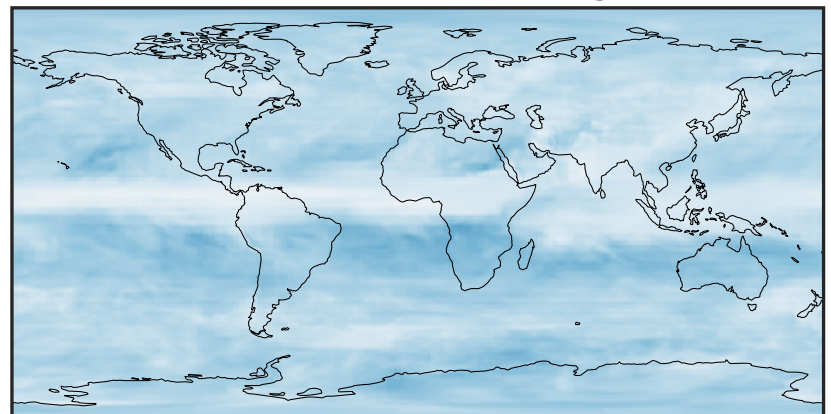
-18 -9 0 9 18  
ppb

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



0.96441 0.98220 1.00000 1.01845 1.03691  
unitless

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

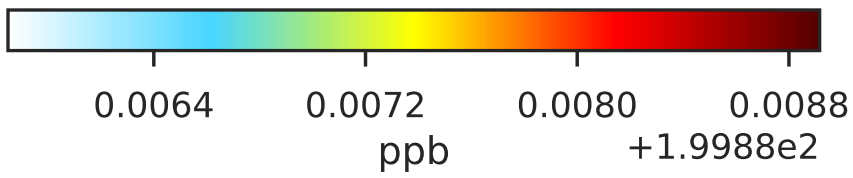
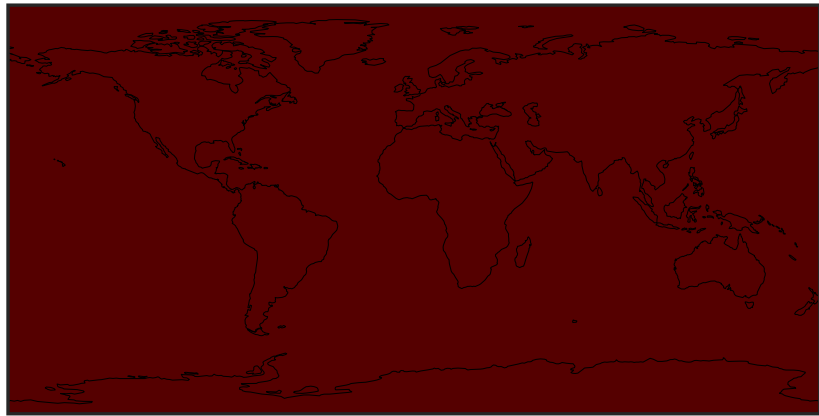


0.50 0.75 1.00 1.50 2.00  
unitless

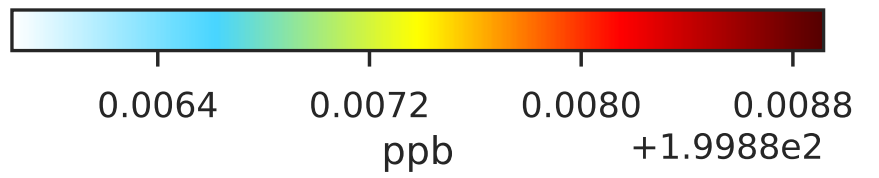


# SpeciesConcVV\_st80\_25 (Jul2019)

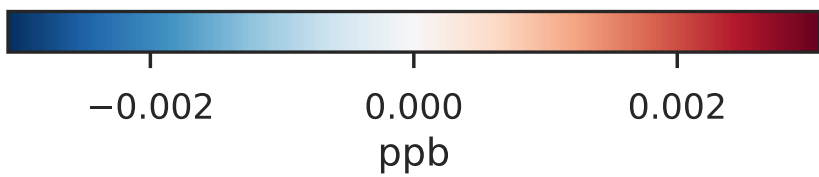
GCC 14.2.2 (Ref)  
4.0x5.0



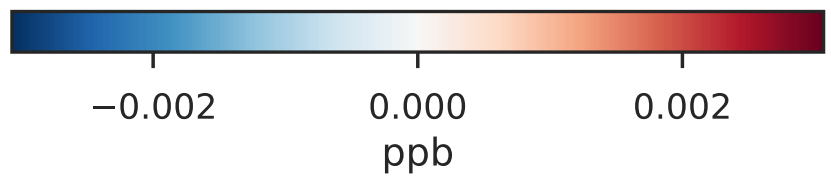
GCHP 14.2.2 using mass flux (Dev)  
c180



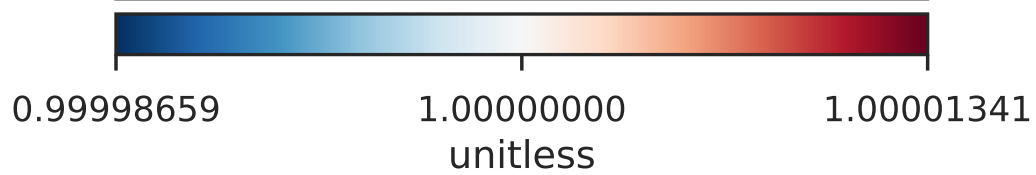
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



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

