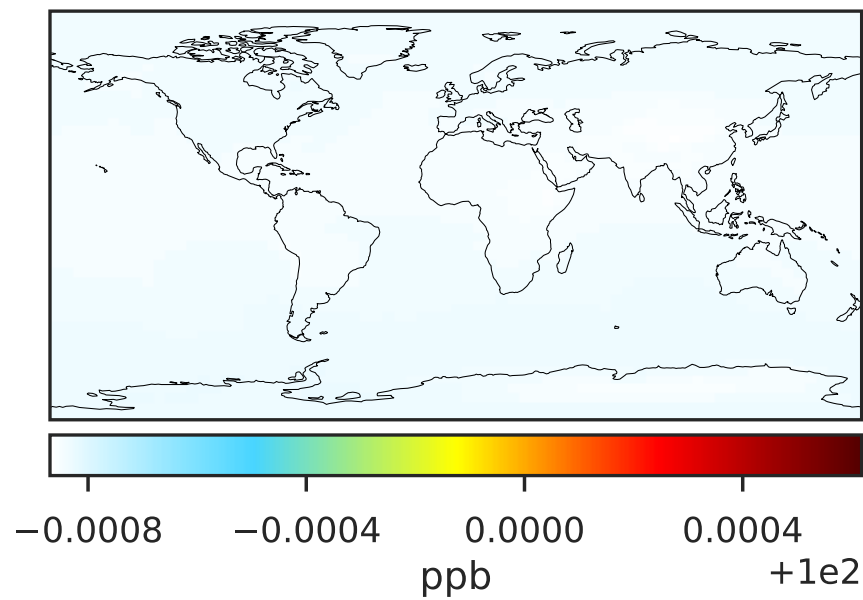
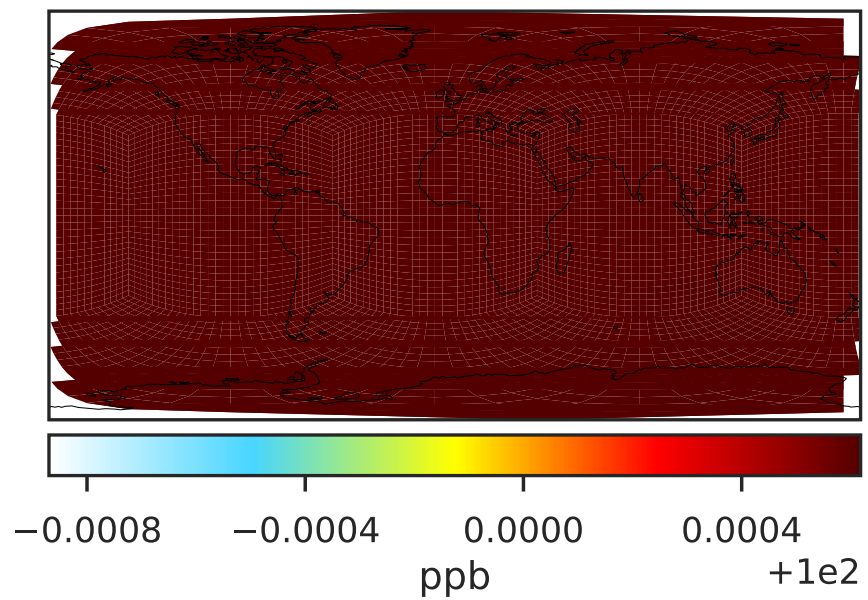


# SpeciesConcVV\_PassiveTracer (Jan2019)

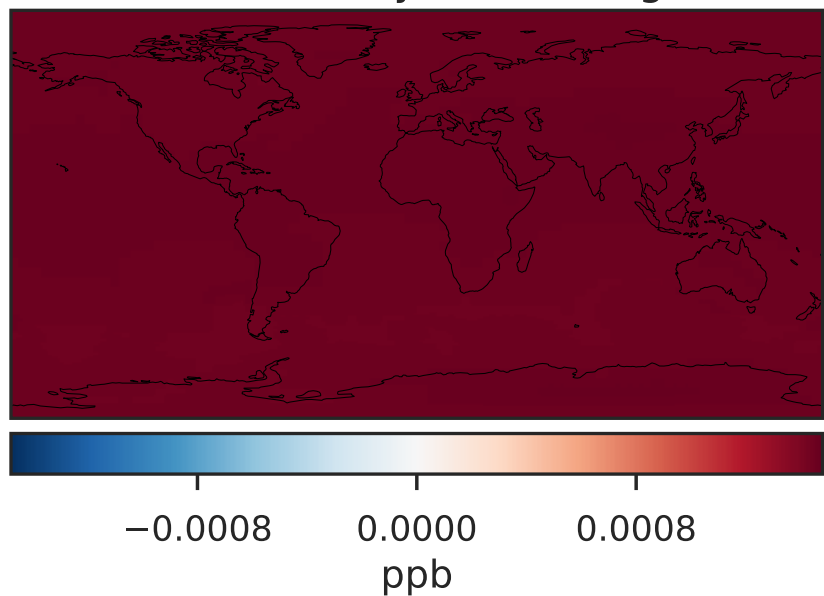
GCC 14.2.2 (Ref)  
4.0x5.0



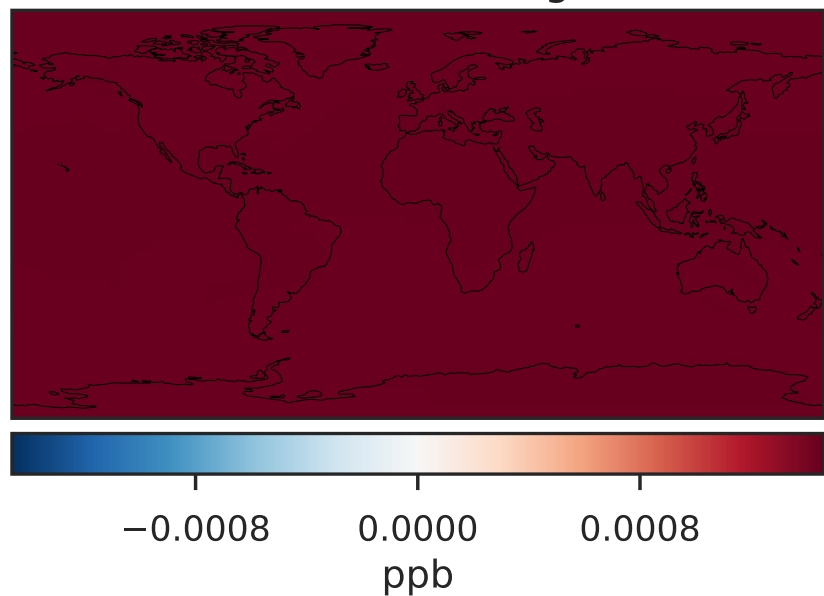
GCHP 14.2.2 using mass flux (Dev)  
c30



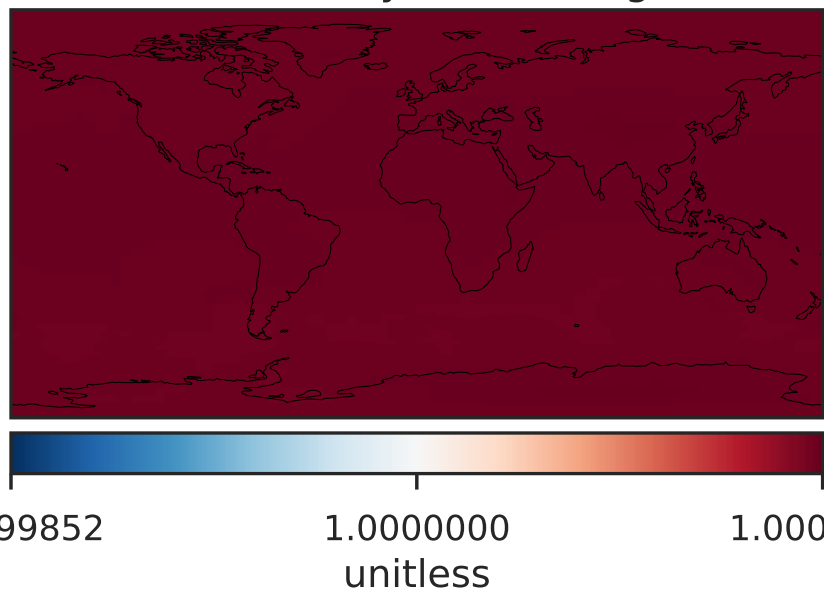
Difference (1x1.25)  
Dev - Ref, Dynamic Range



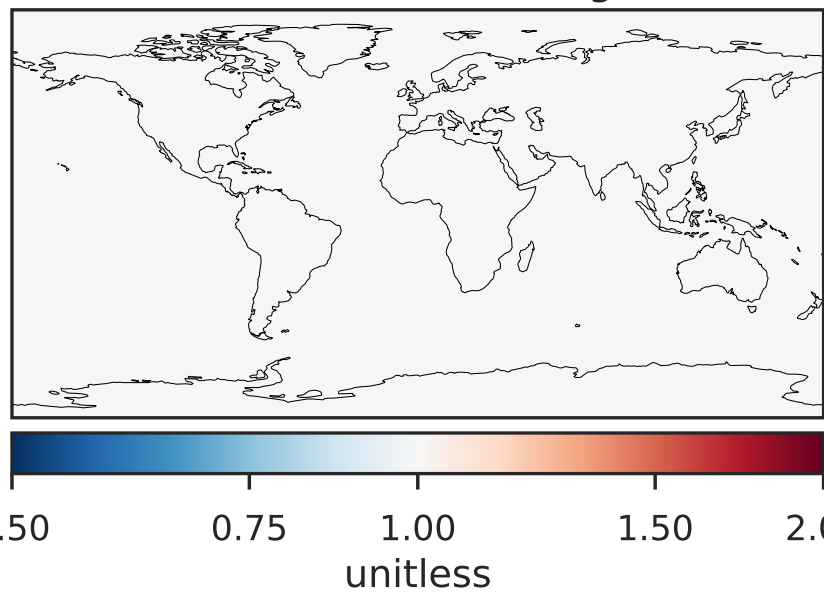
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

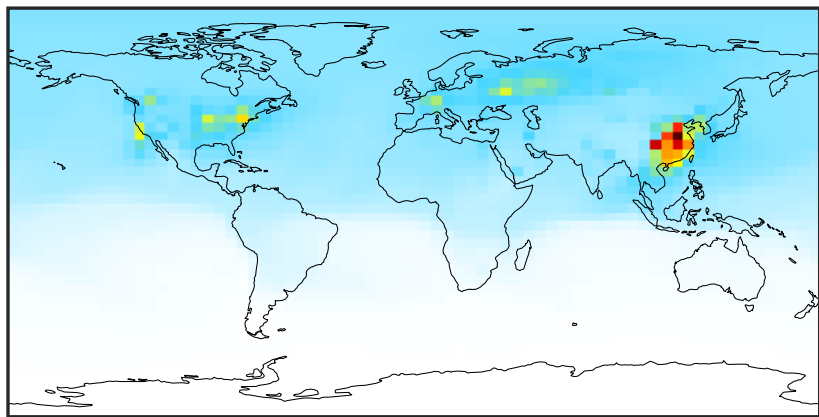


Ratio (1x1.25)  
Dev/Ref, Fixed Range



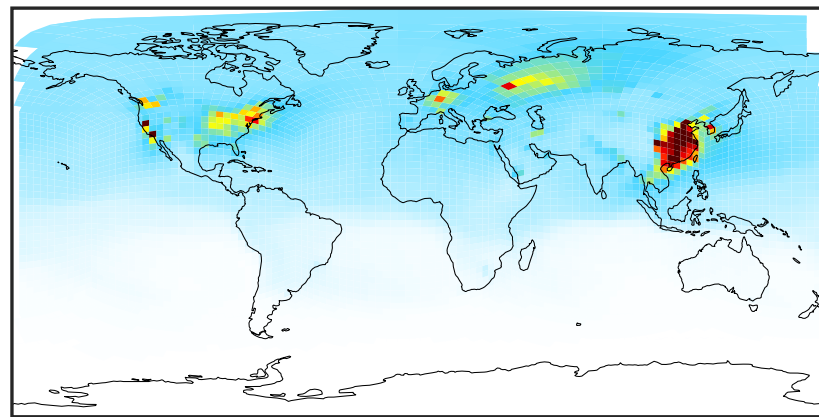
# SpeciesConcVV\_SF6 (Jan2019)

GCC 14.2.2 (Ref)  
4.0x5.0



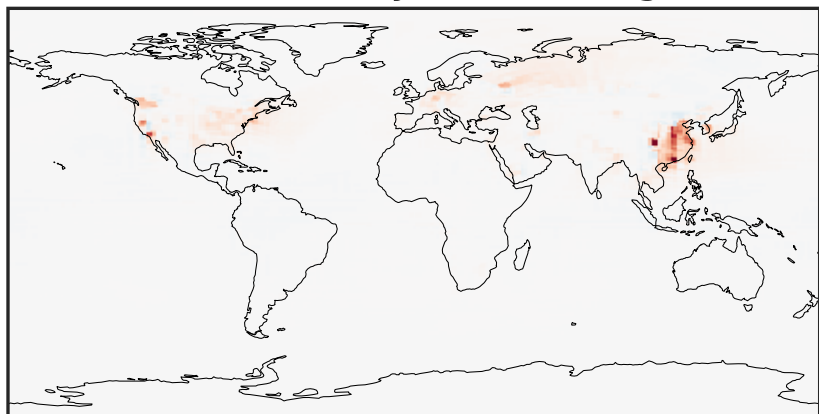
0.0032 0.0040 0.0048  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c30



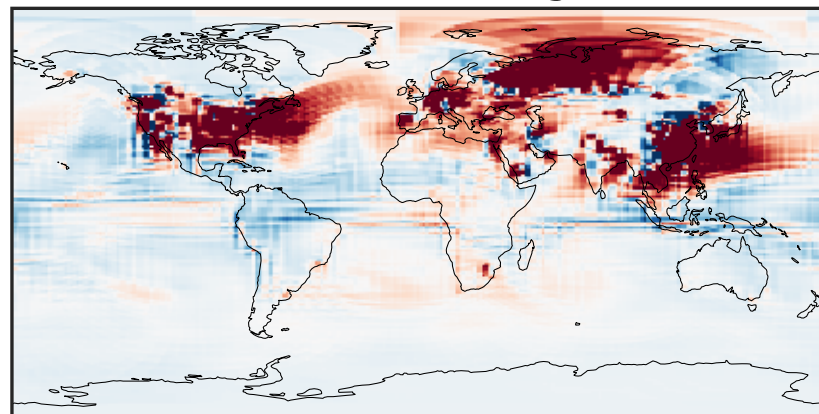
0.0032 0.0040 0.0048  
ppb

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



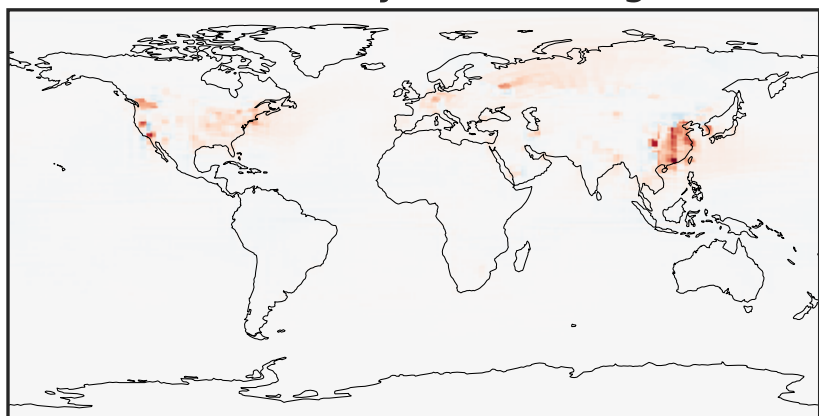
-0.0015 0.0000 0.0015  
ppb

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



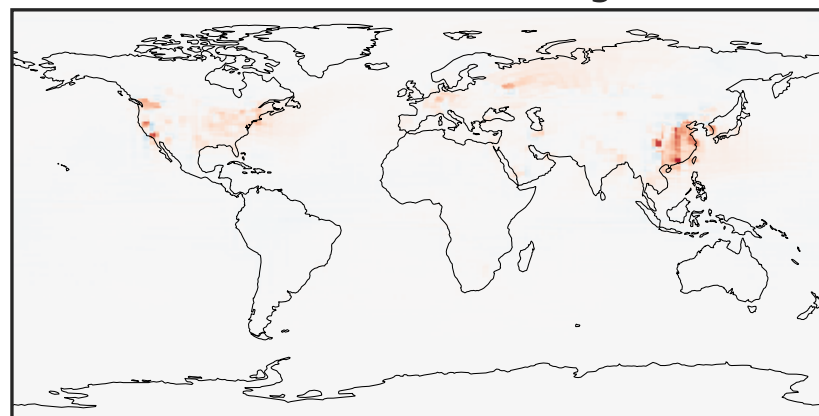
-4 0 4  
ppb  $1e-5$

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



0.562 0.781 1.000 1.390 1.779  
unitless

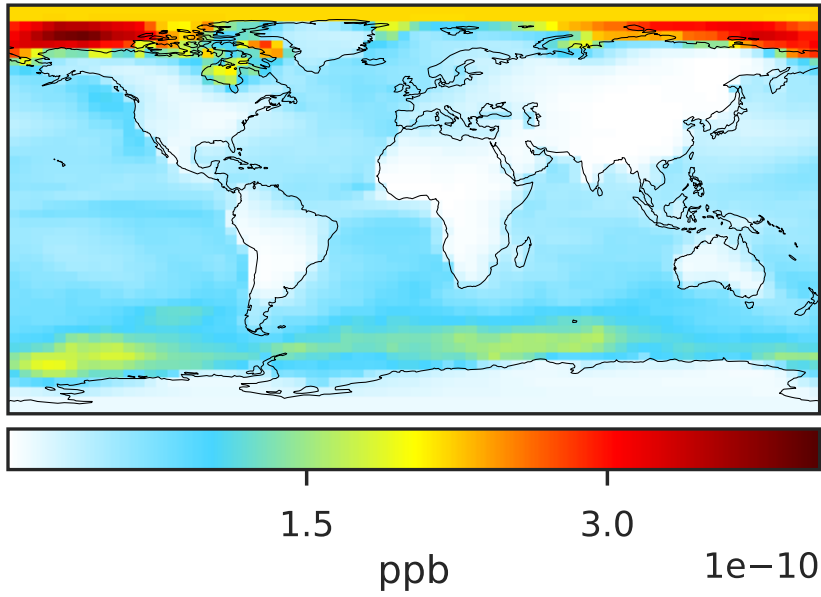
Ratio (1x1.25)  
Dev/Ref, Fixed Range



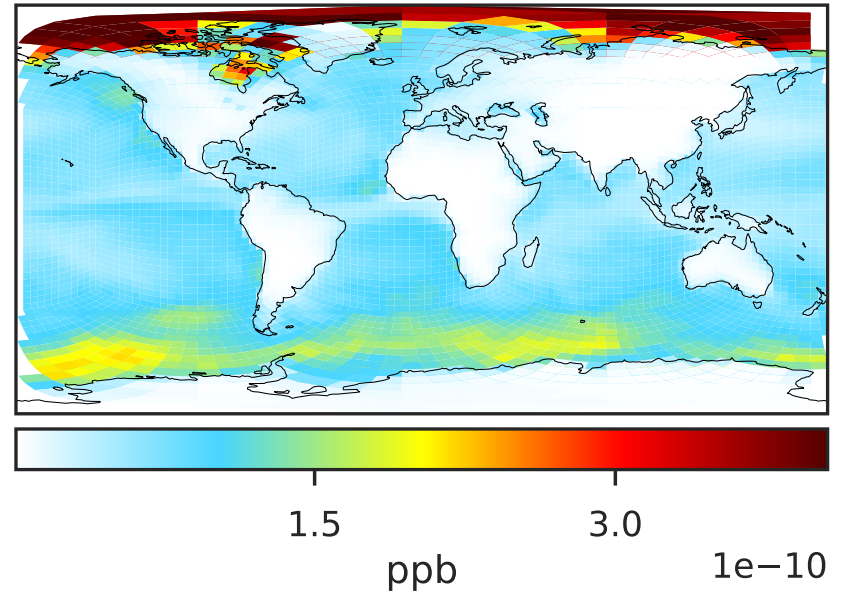
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVW\_CH3I (Jan2019)

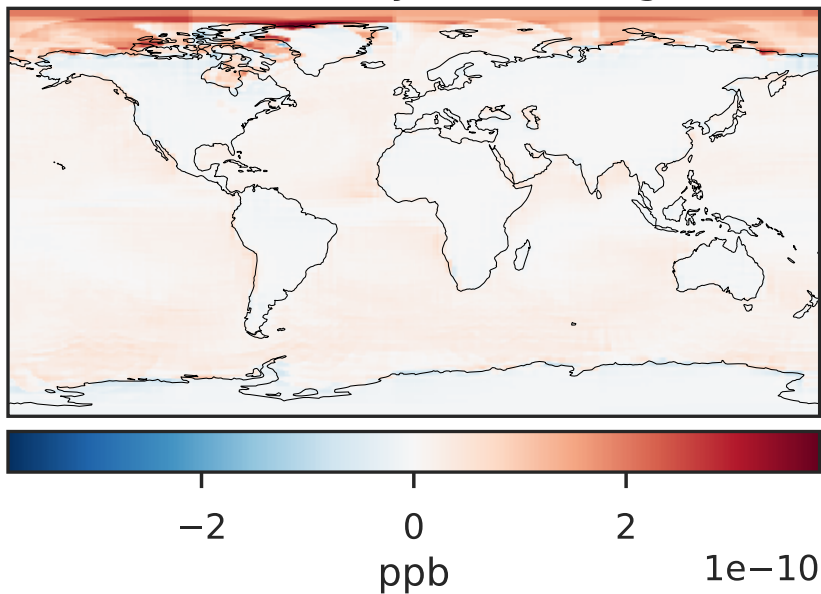
GCC 14.2.2 (Ref)  
4.0x5.0



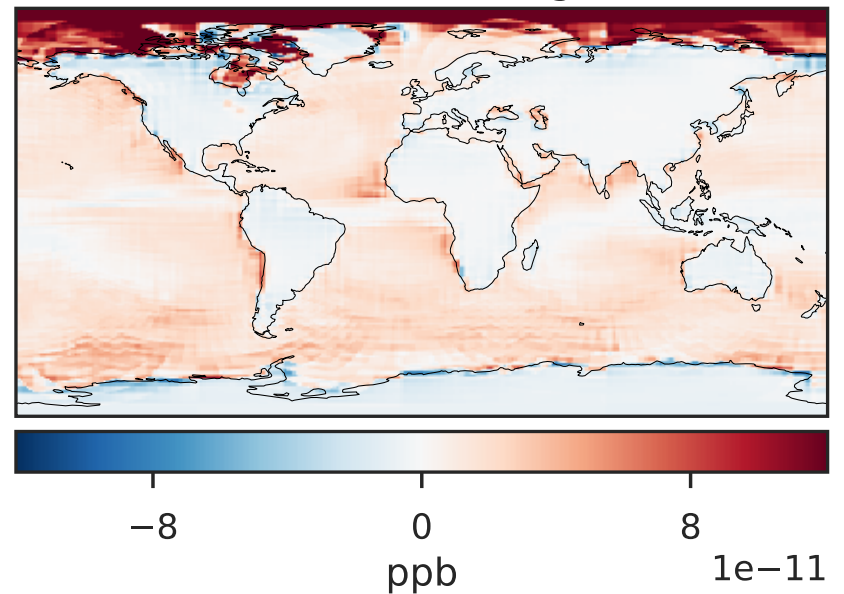
GCHP 14.2.2 using mass flux (Dev)  
c30



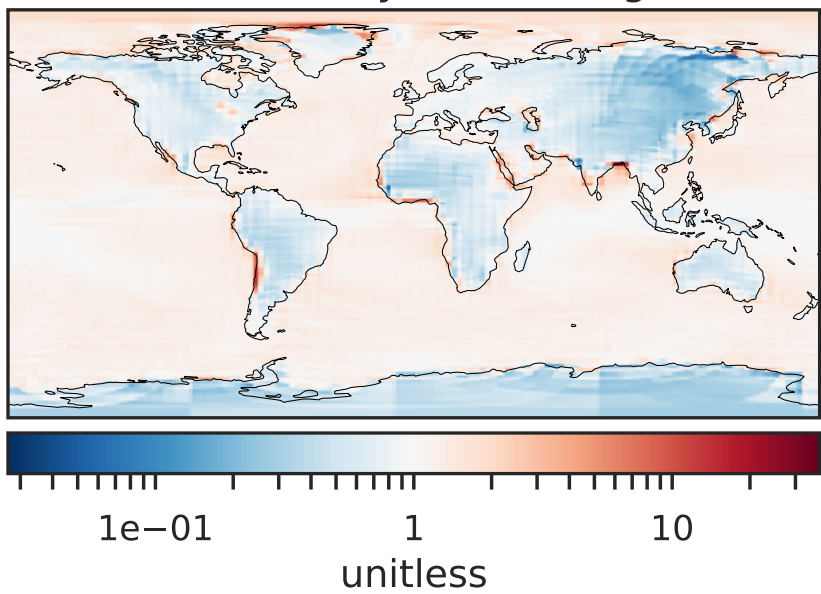
Difference (1x1.25)  
Dev - Ref, Dynamic Range



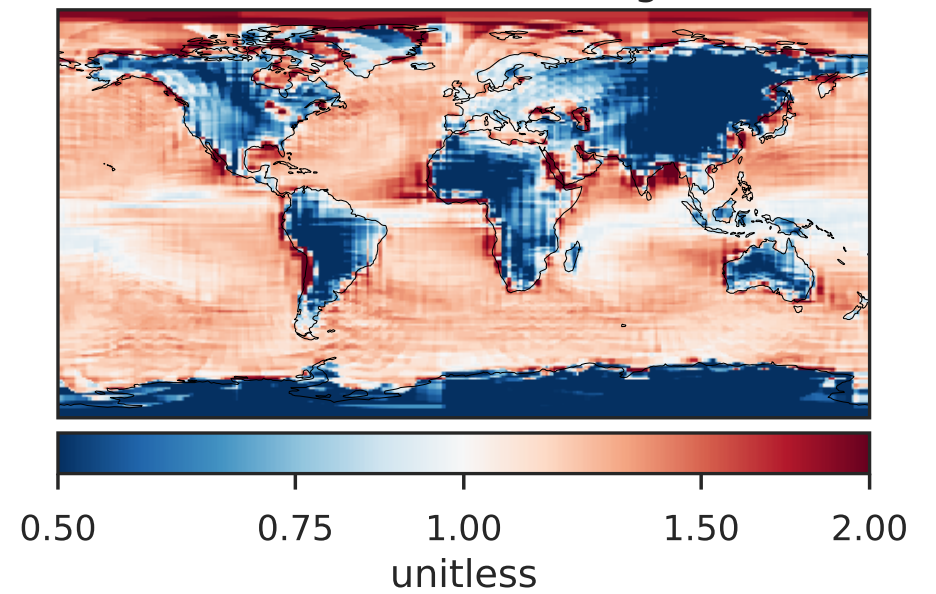
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

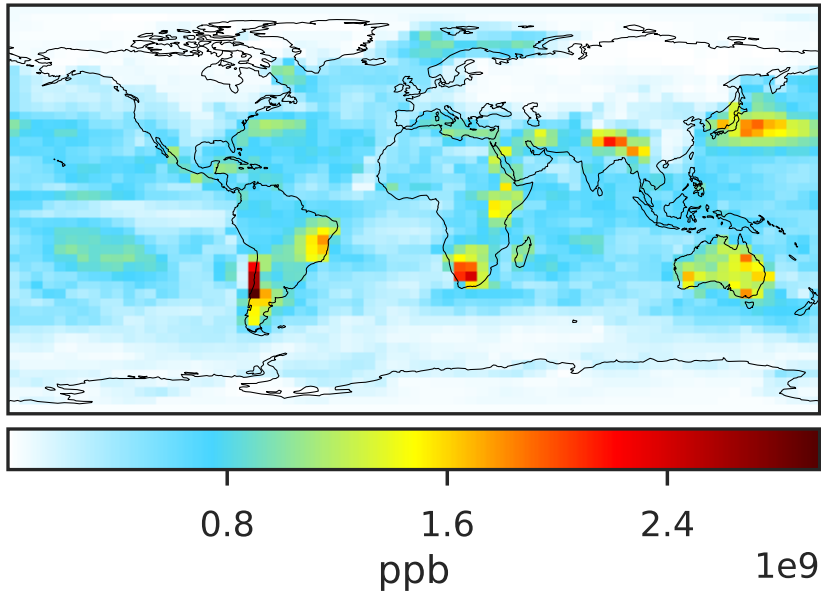


Ratio (1x1.25)  
Dev/Ref, Fixed Range

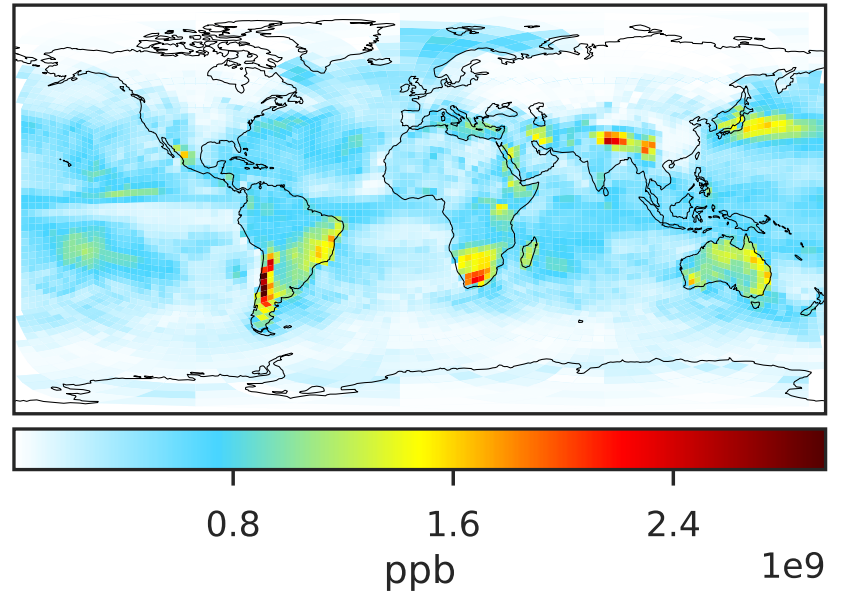


# SpeciesConcVV\_aoa (Jan2019)

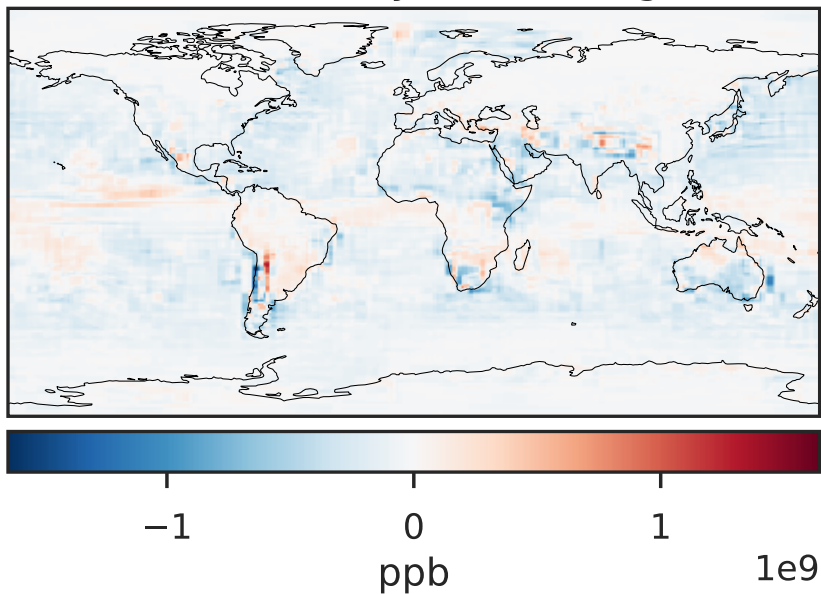
GCC 14.2.2 (Ref)  
4.0x5.0



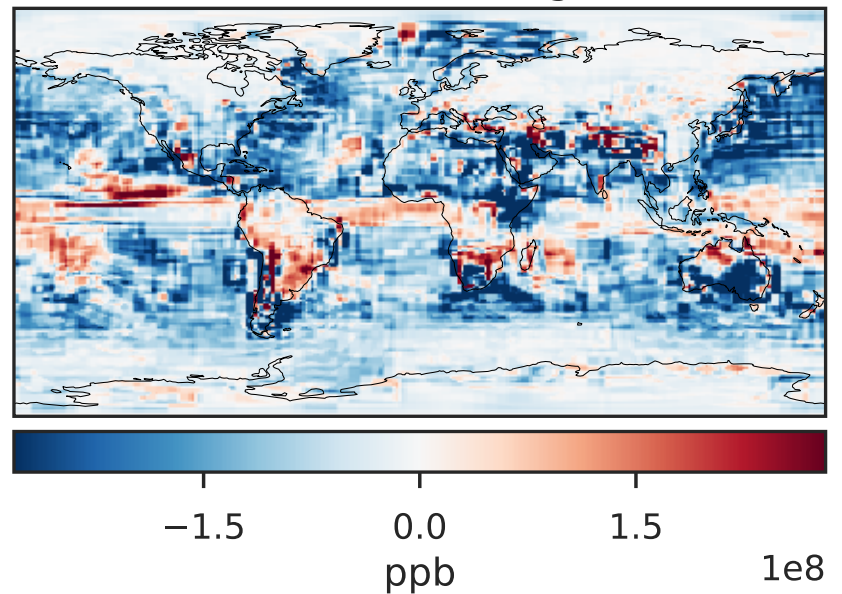
GCHP 14.2.2 using mass flux (Dev)  
c30



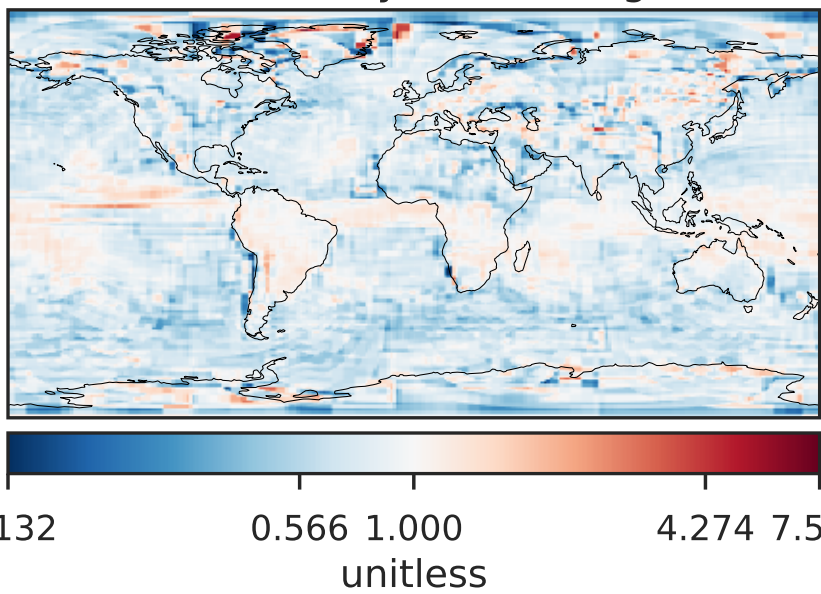
Difference (1x1.25)  
Dev - Ref, Dynamic Range



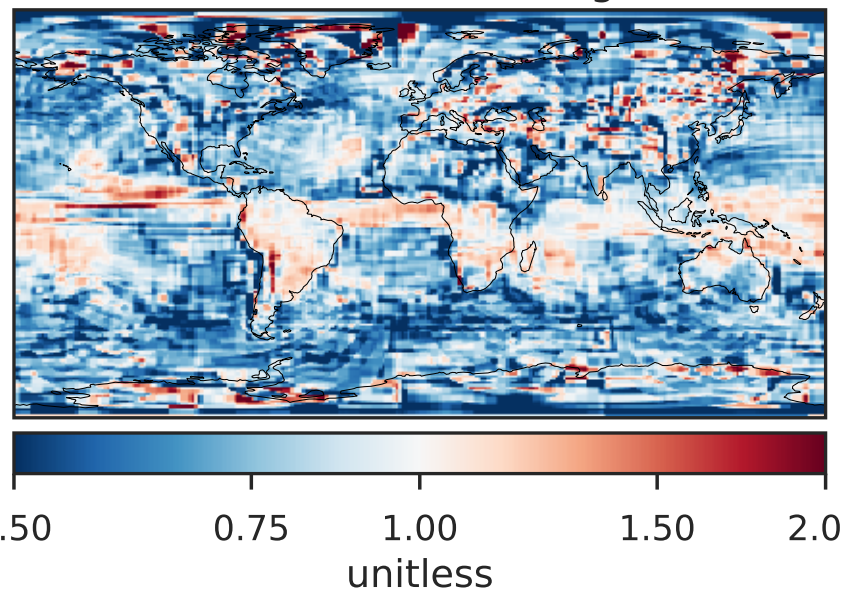
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

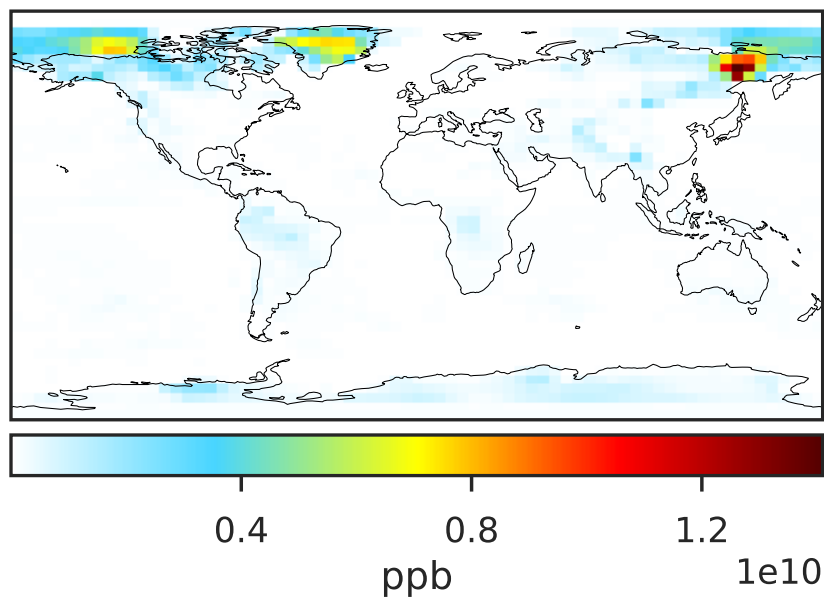


Ratio (1x1.25)  
Dev/Ref, Fixed Range

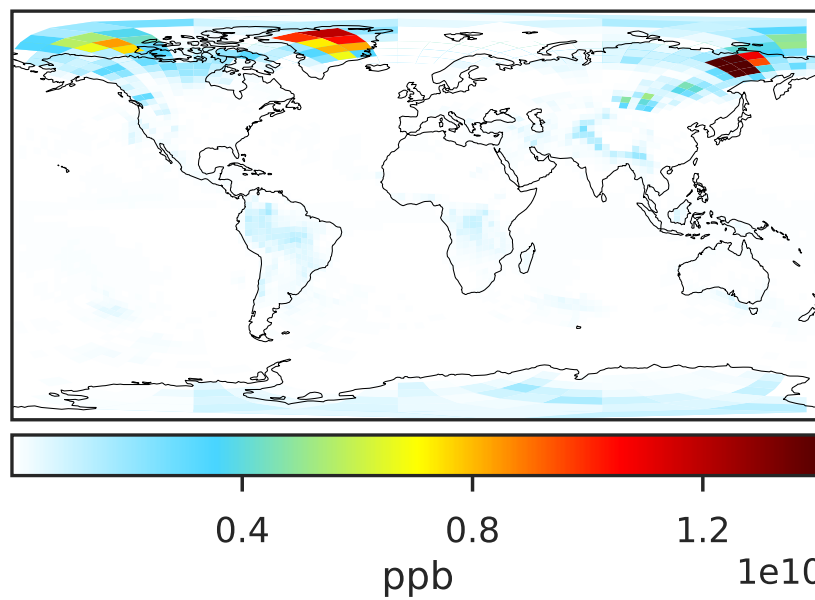


# SpeciesConcVV\_aoa\_bl (Jan2019)

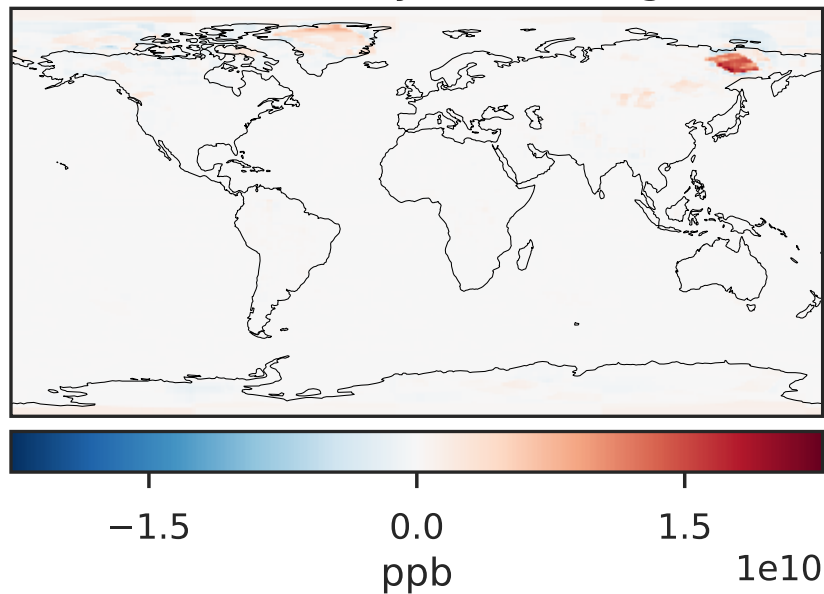
GCC 14.2.2 (Ref)  
4.0x5.0



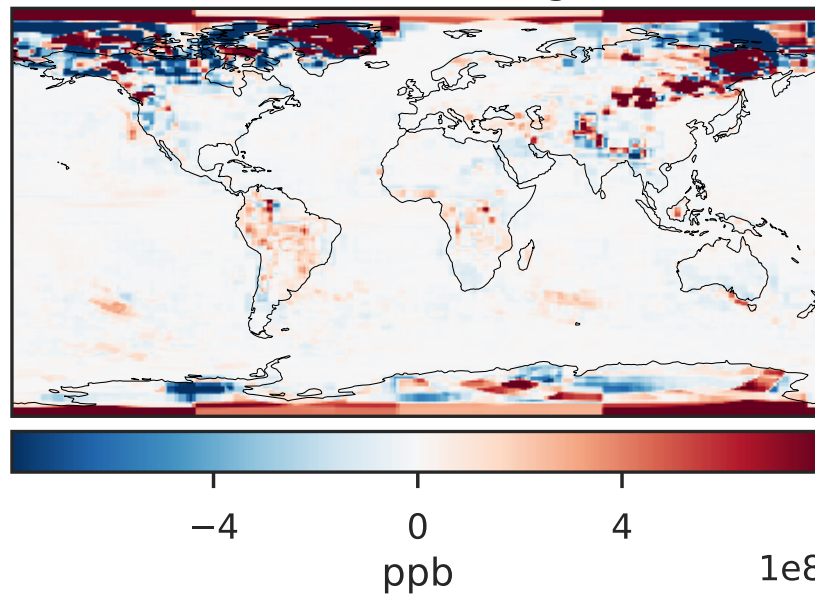
GCHP 14.2.2 using mass flux (Dev)  
c30



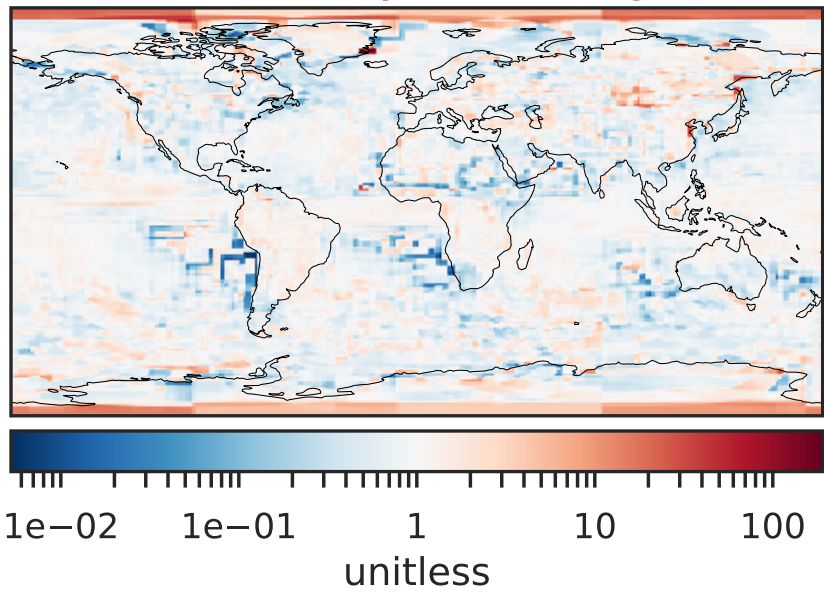
Difference (1x1.25)  
Dev - Ref, Dynamic Range



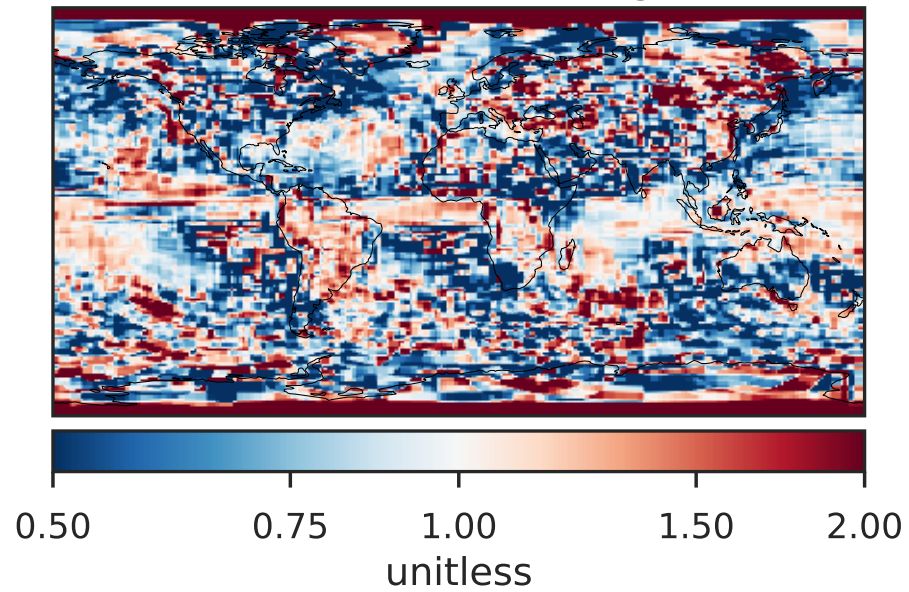
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

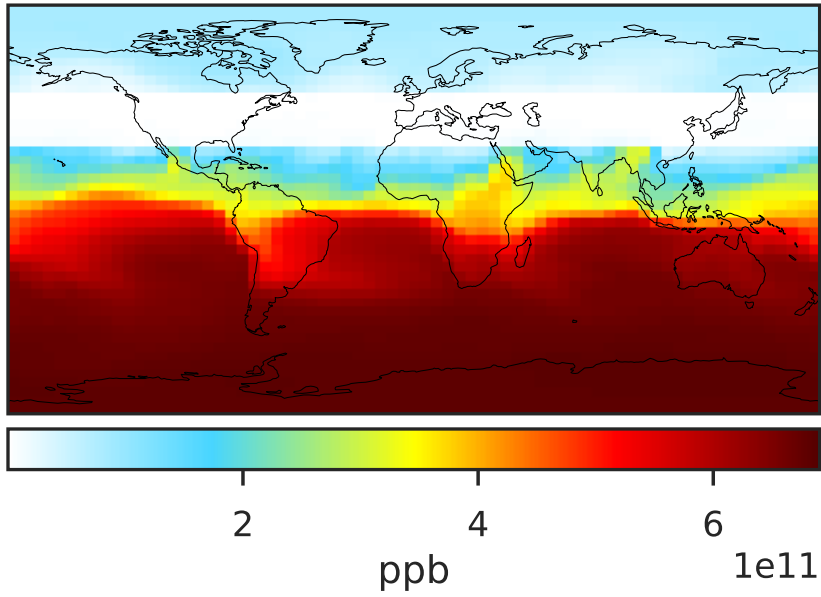


Ratio (1x1.25)  
Dev/Ref, Fixed Range

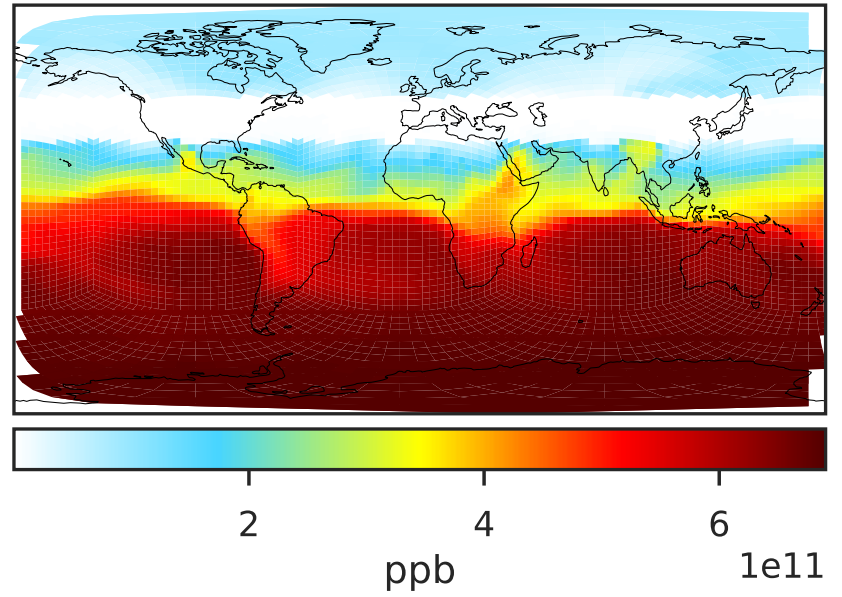


# SpeciesConcVV\_aoa\_nh (Jan2019)

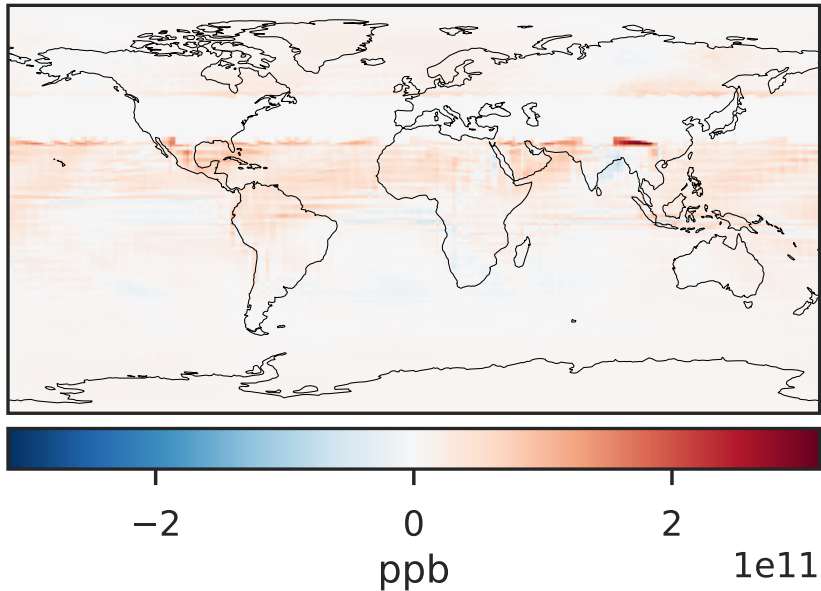
GCC 14.2.2 (Ref)  
4.0x5.0



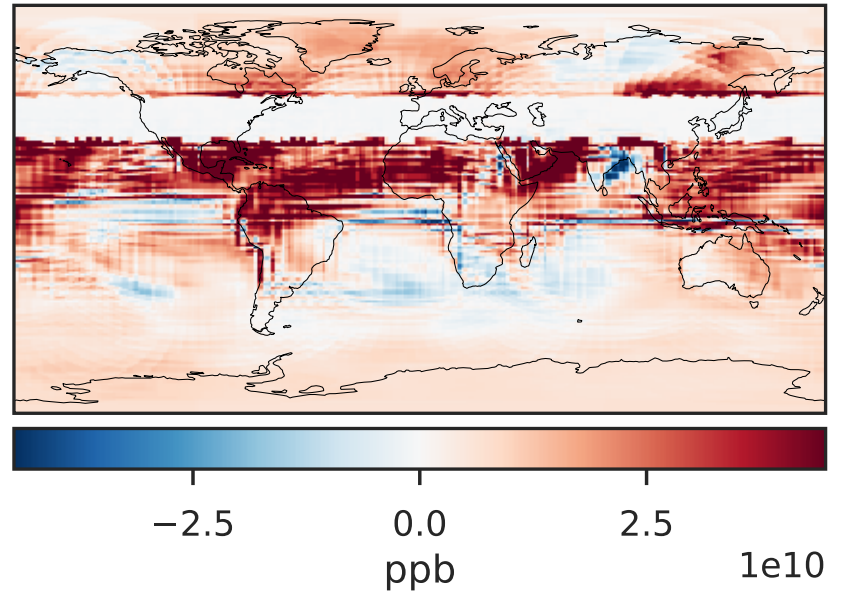
GCHP 14.2.2 using mass flux (Dev)  
c30



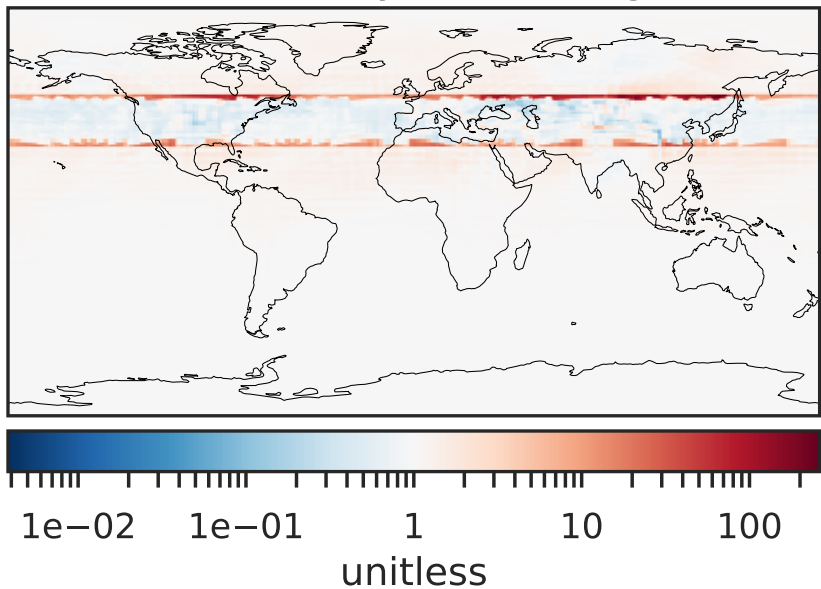
Difference (1x1.25)  
Dev - Ref, Dynamic Range



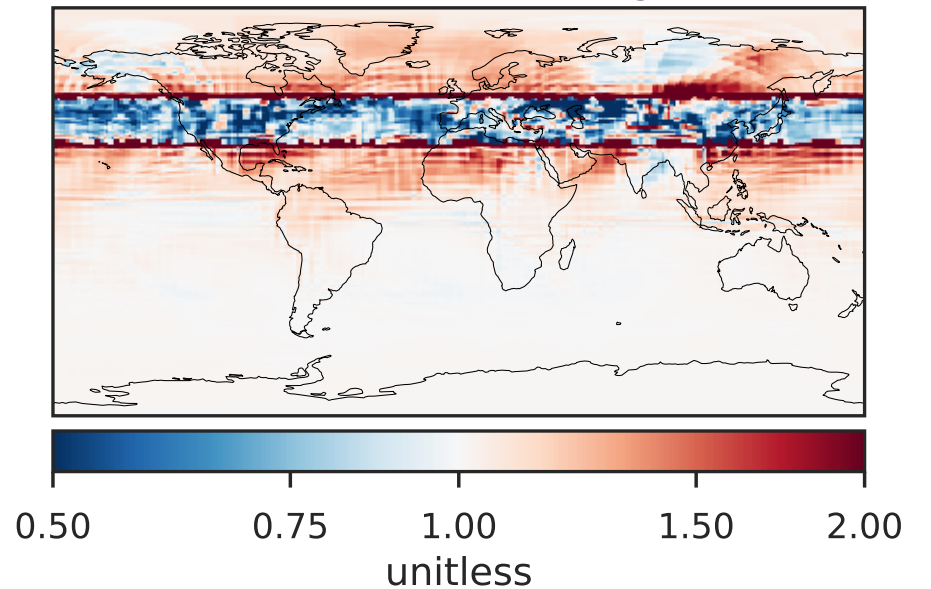
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

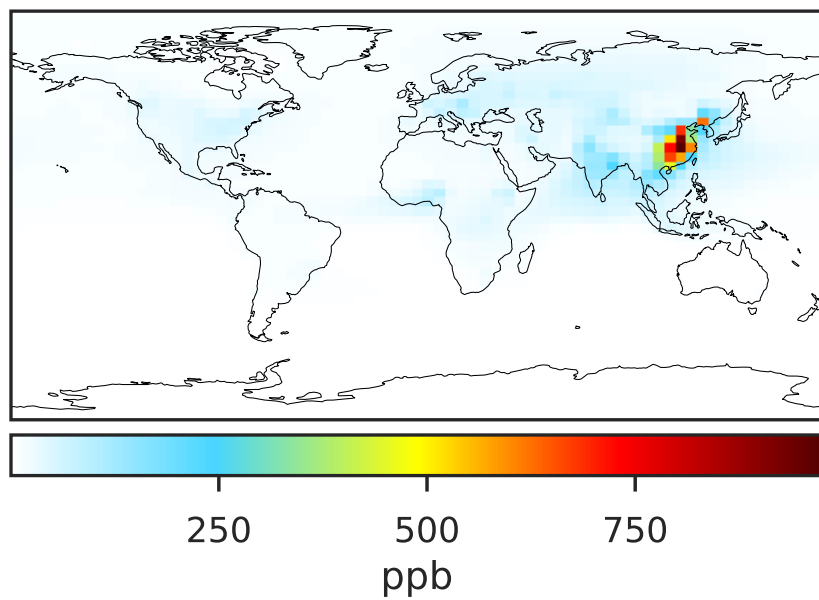


Ratio (1x1.25)  
Dev/Ref, Fixed Range

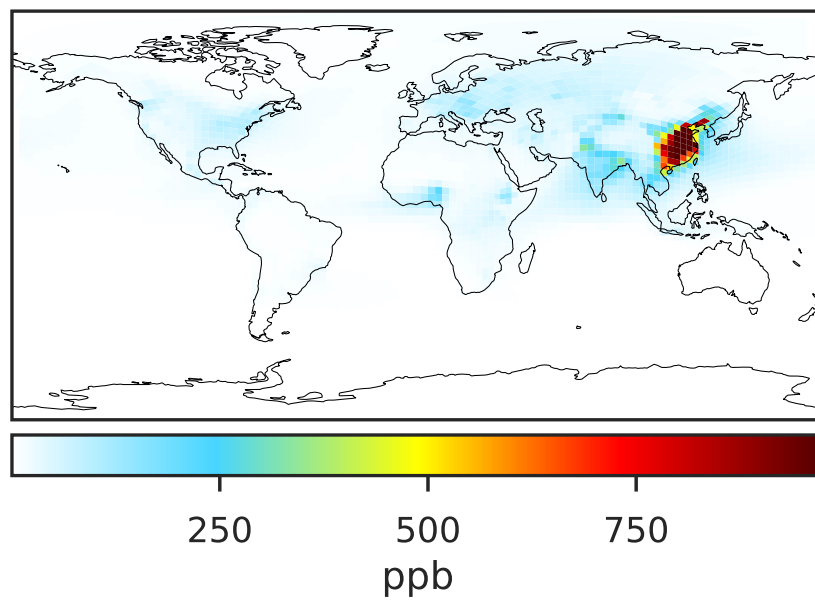


# SpeciesConcVV\_CO\_25 (Jan2019)

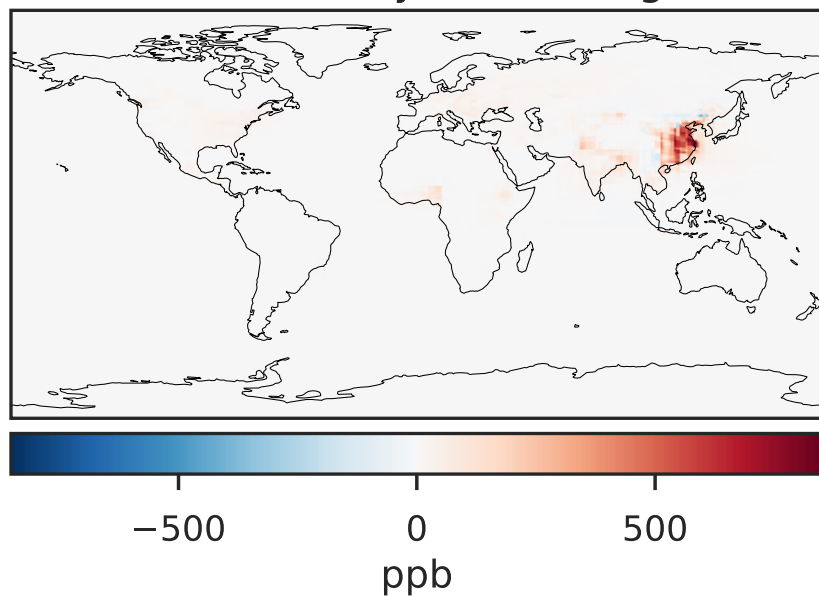
GCC 14.2.2 (Ref)  
4.0x5.0



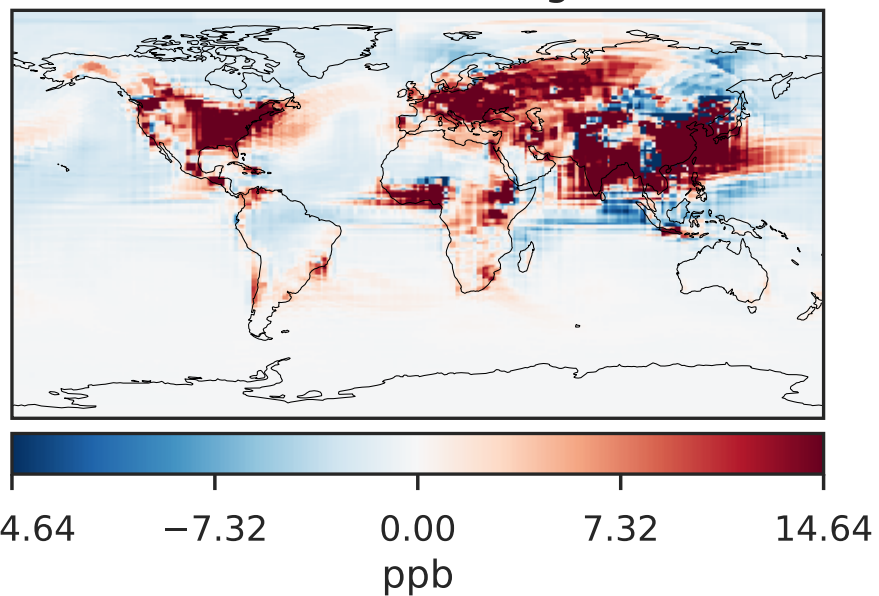
GCHP 14.2.2 using mass flux (Dev)  
c30



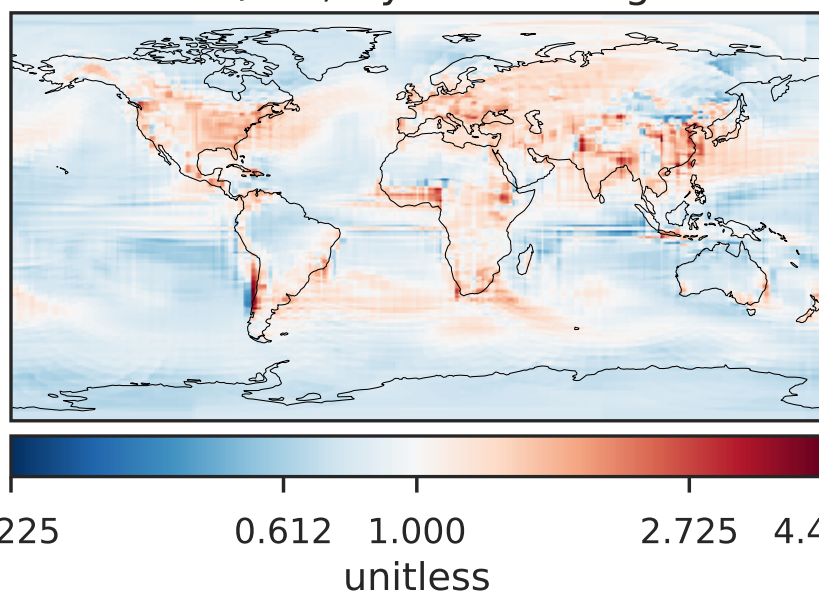
Difference (1x1.25)  
Dev - Ref, Dynamic Range



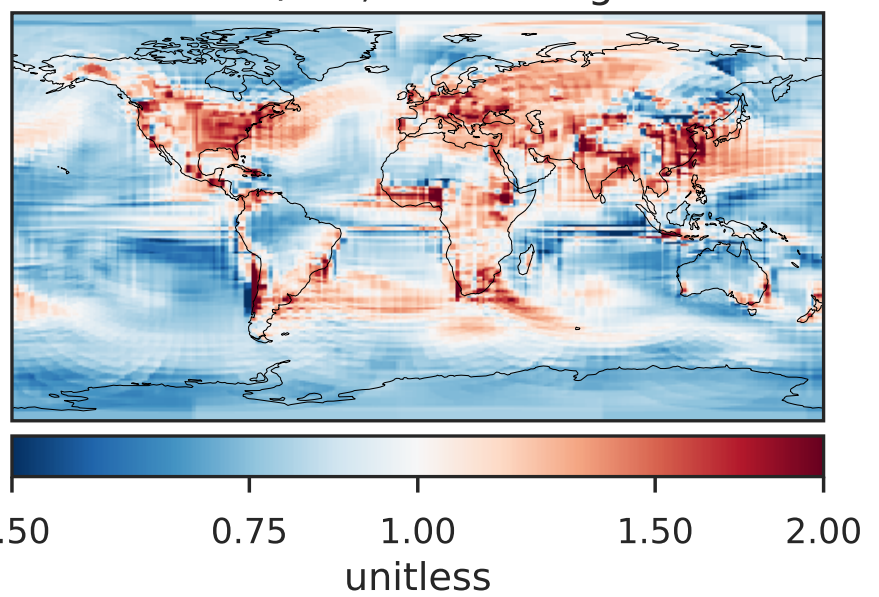
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

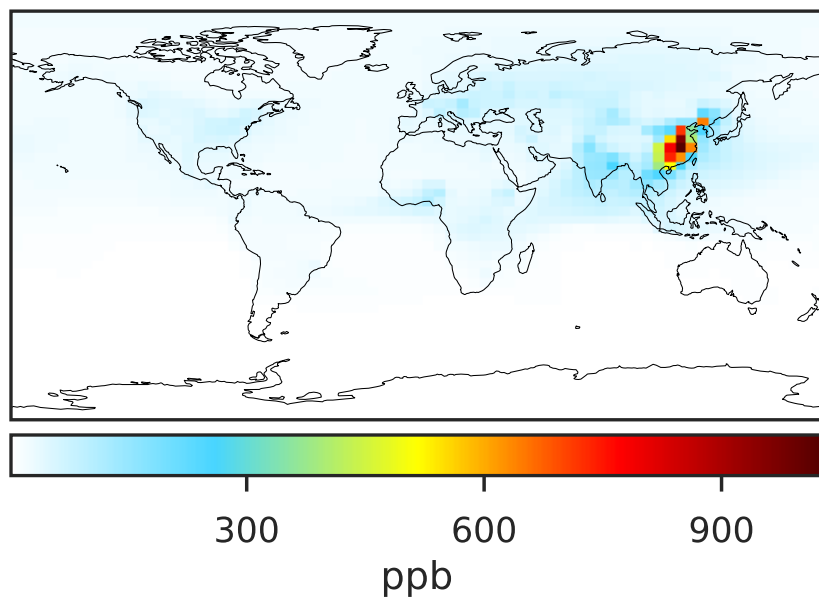


Ratio (1x1.25)  
Dev/Ref, Fixed Range

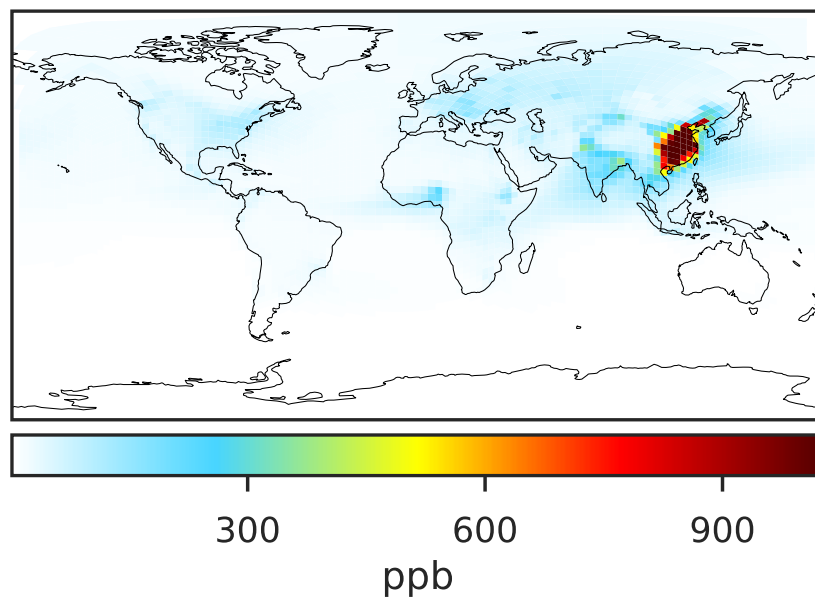


# SpeciesConcVV\_CO\_50 (Jan2019)

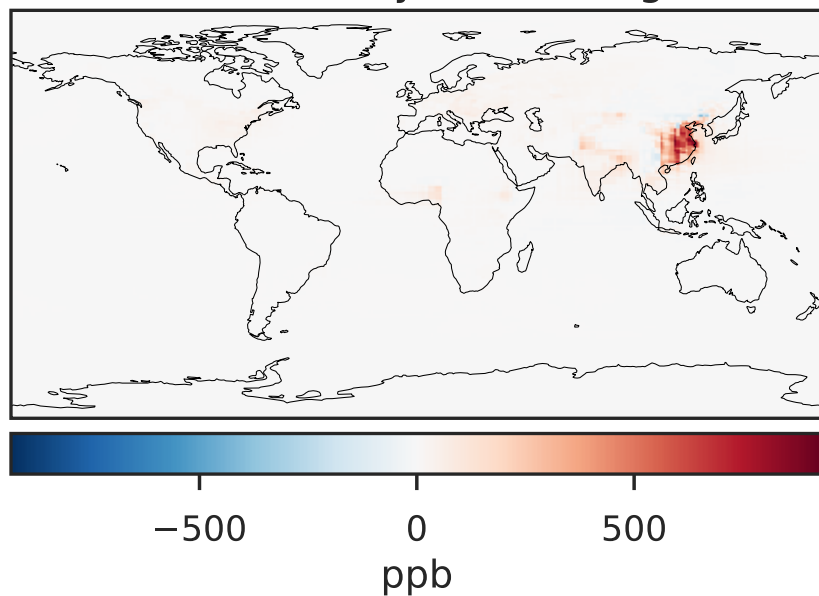
GCC 14.2.2 (Ref)  
4.0x5.0



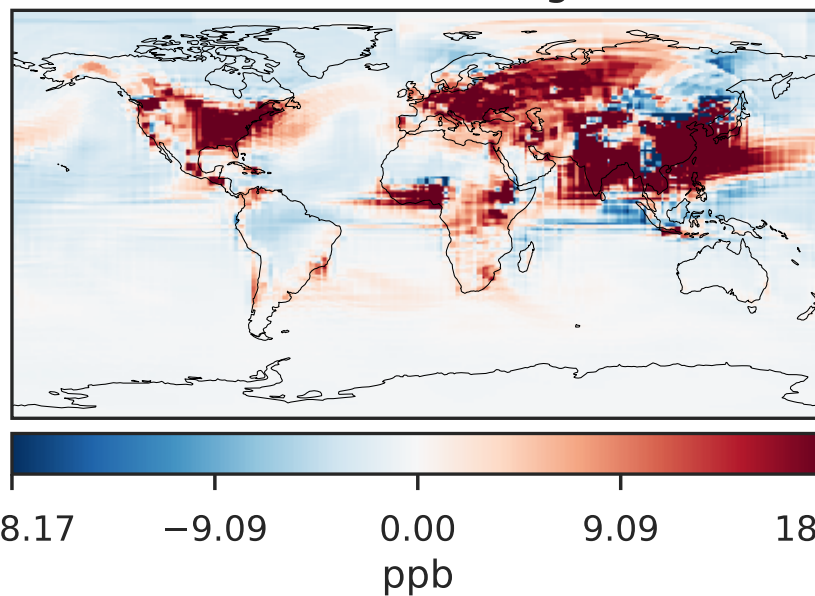
GCHP 14.2.2 using mass flux (Dev)  
c30



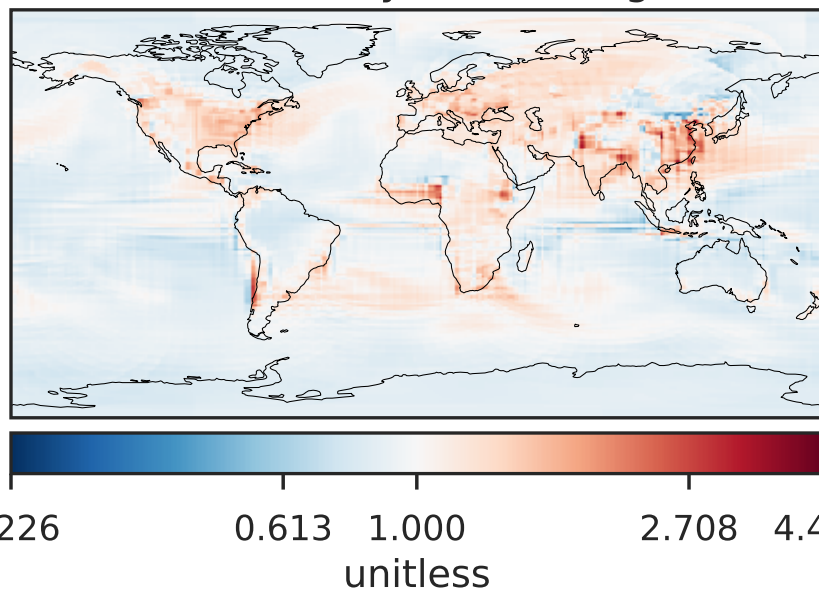
Difference (1x1.25)  
Dev - Ref, Dynamic Range



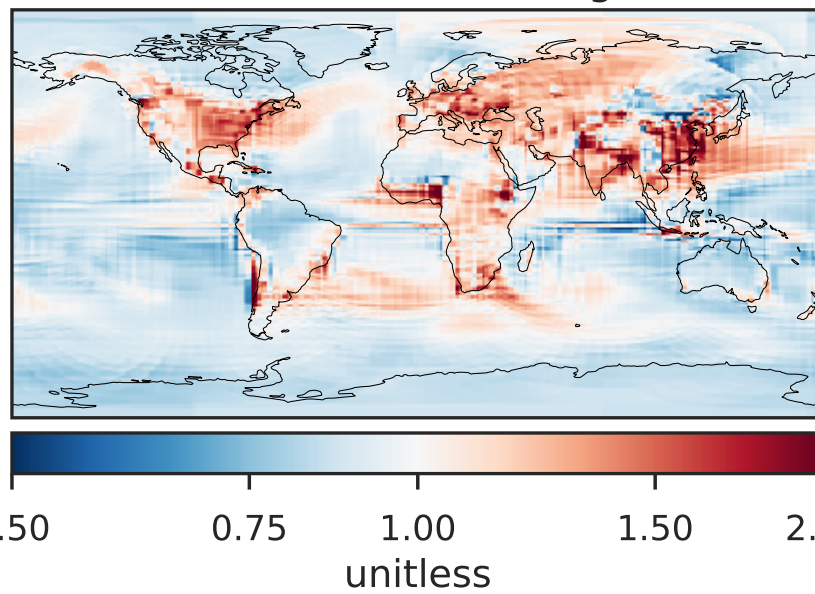
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



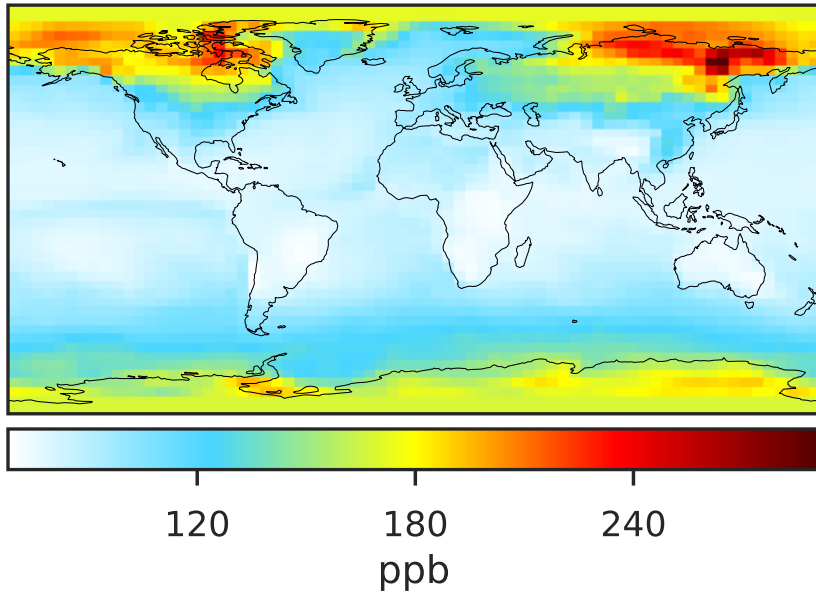
Ratio (1x1.25)  
Dev/Ref, Fixed Range



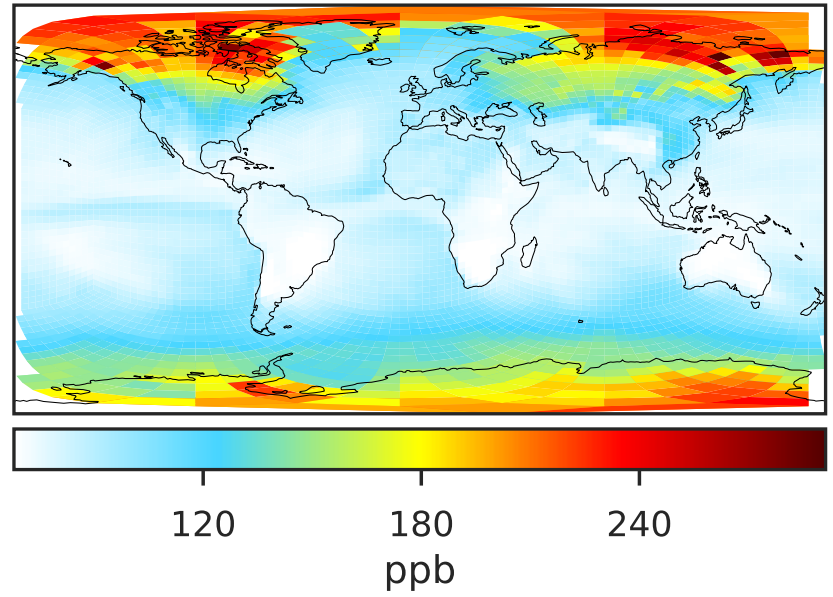


# SpeciesConcVW\_e90 (Jan2019)

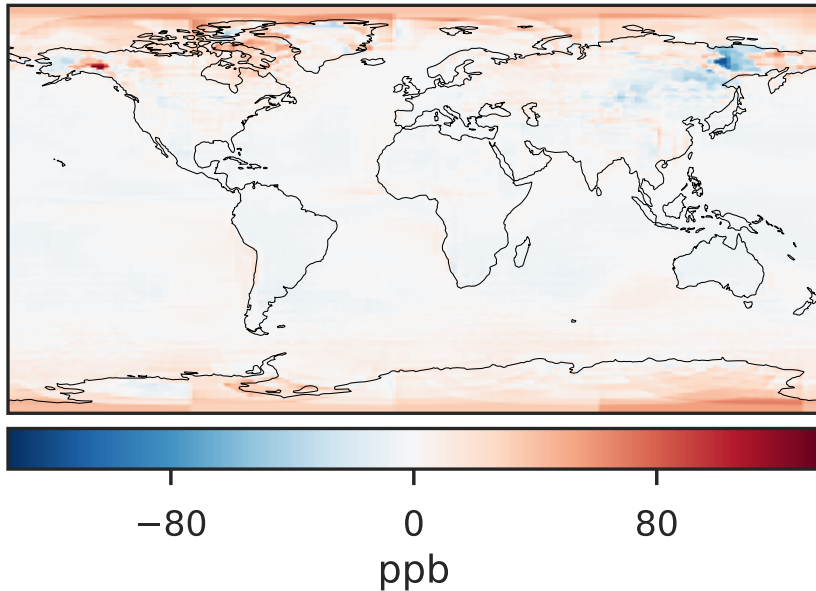
GCC 14.2.2 (Ref)  
4.0x5.0



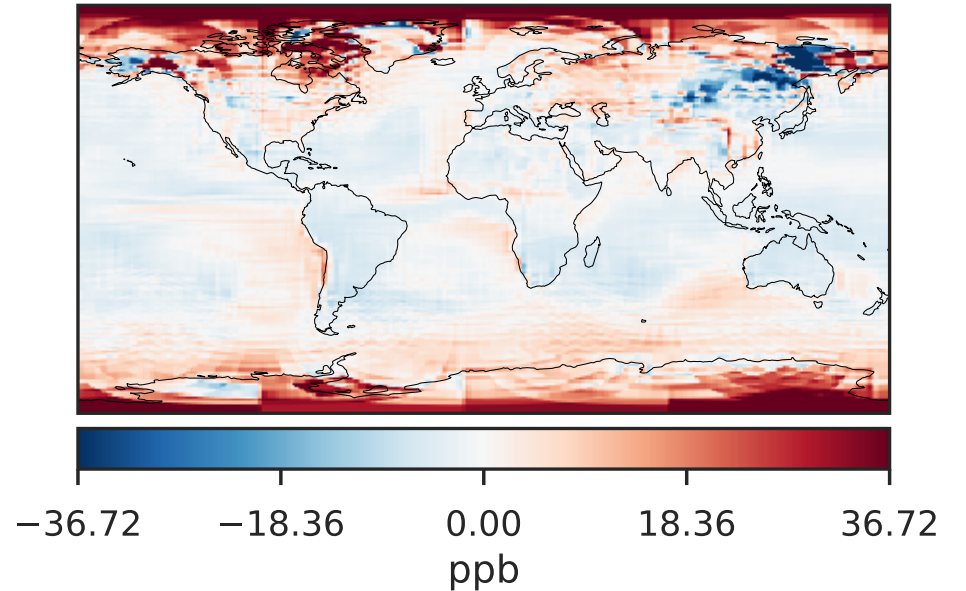
GCHP 14.2.2 using mass flux (Dev)  
c30



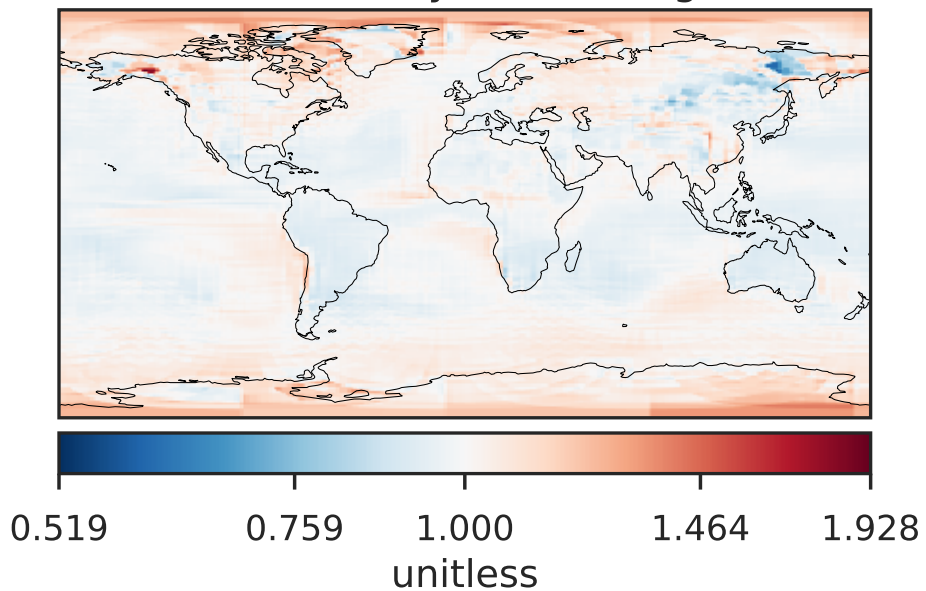
Difference (1x1.25)  
Dev - Ref, Dynamic Range



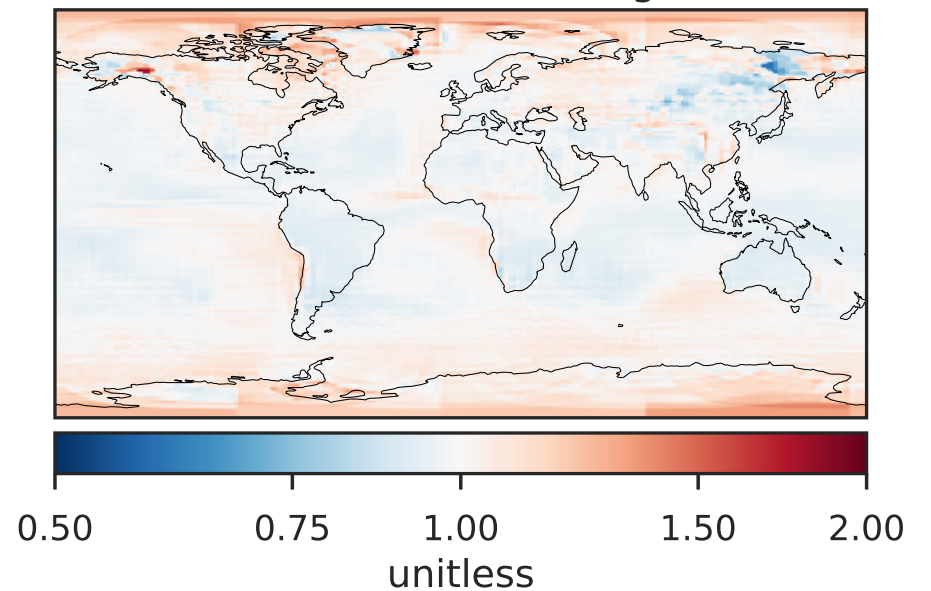
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

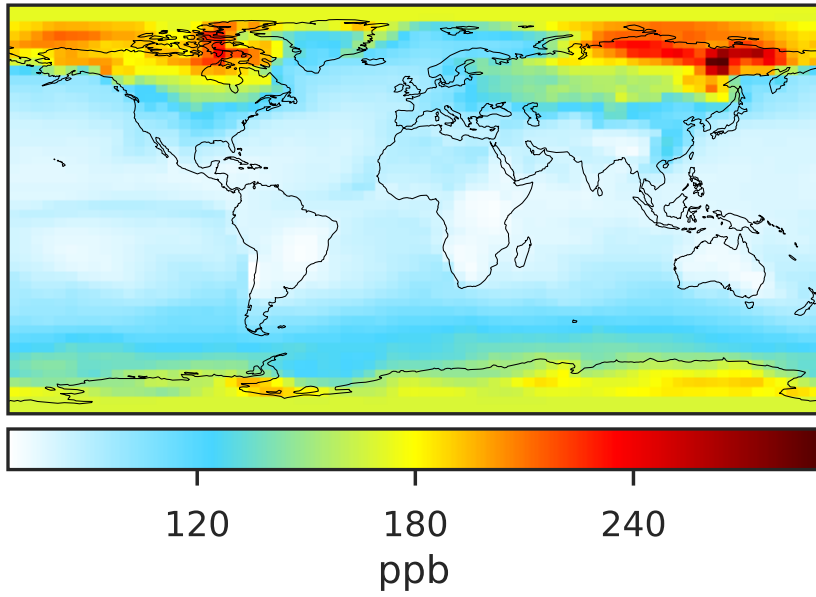


Ratio (1x1.25)  
Dev/Ref, Fixed Range

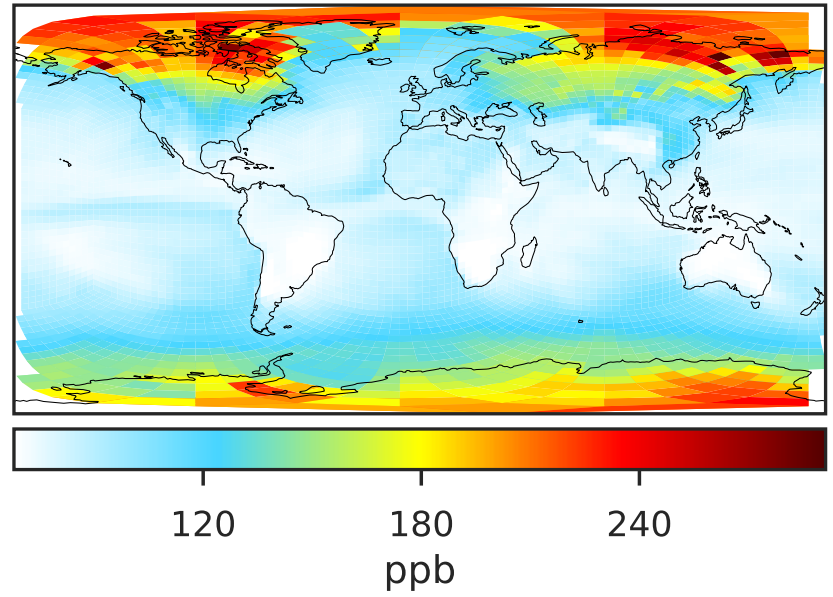


# SpeciesConcVV\_e90\_n (Jan2019)

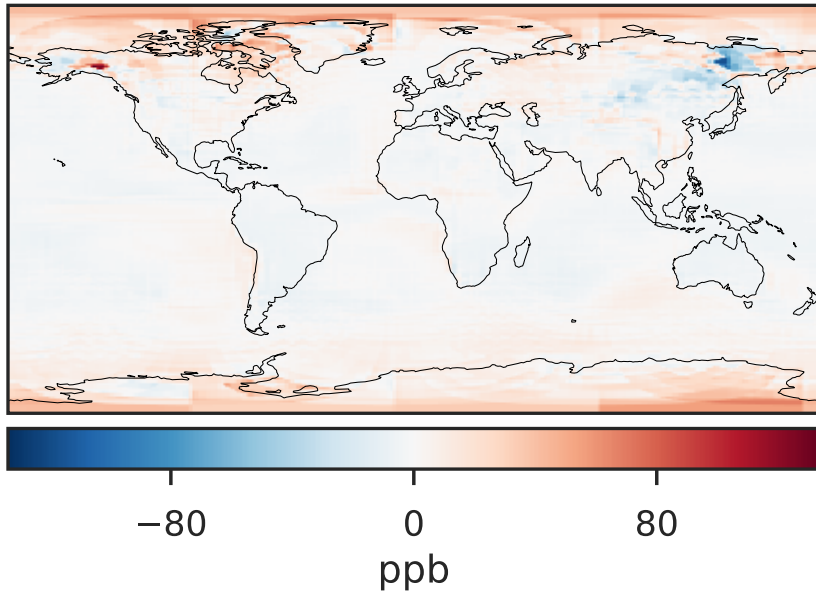
GCC 14.2.2 (Ref)  
4.0x5.0



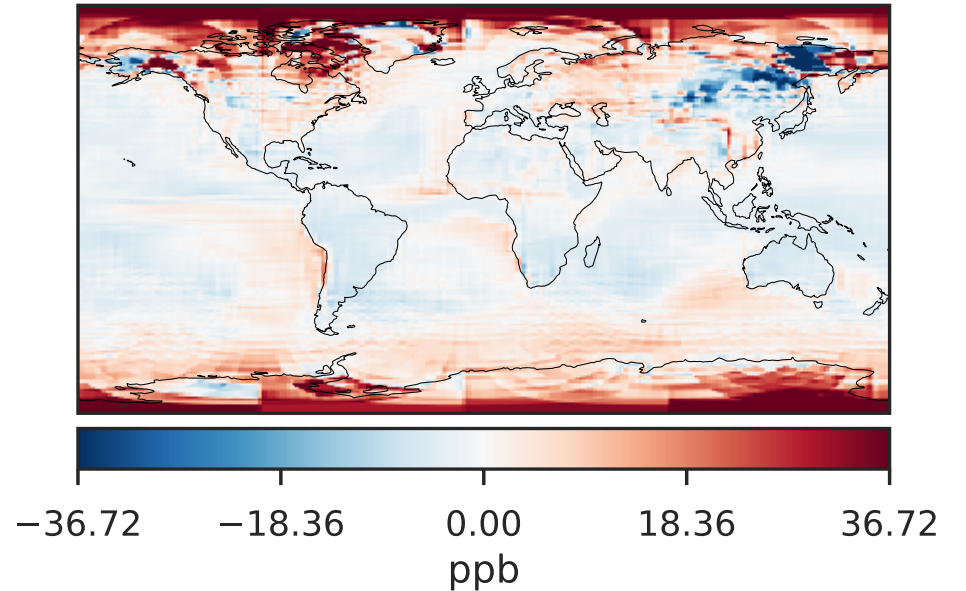
GCHP 14.2.2 using mass flux (Dev)  
c30



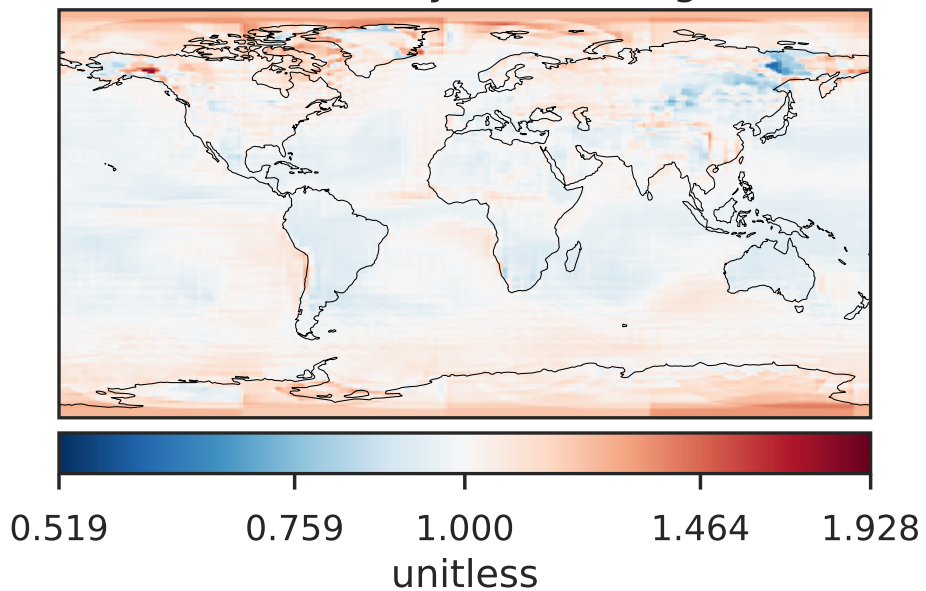
Difference (1x1.25)  
Dev - Ref, Dynamic Range



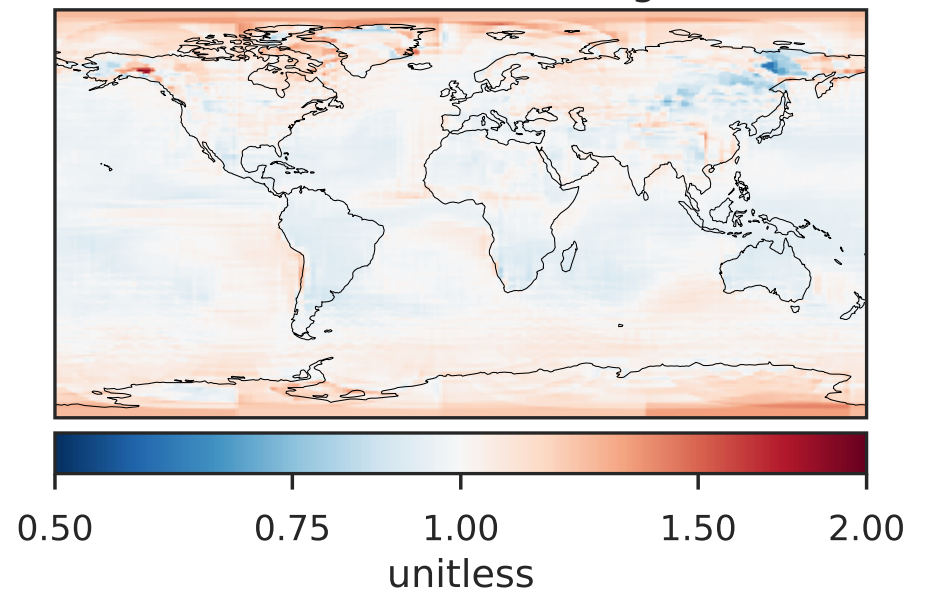
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

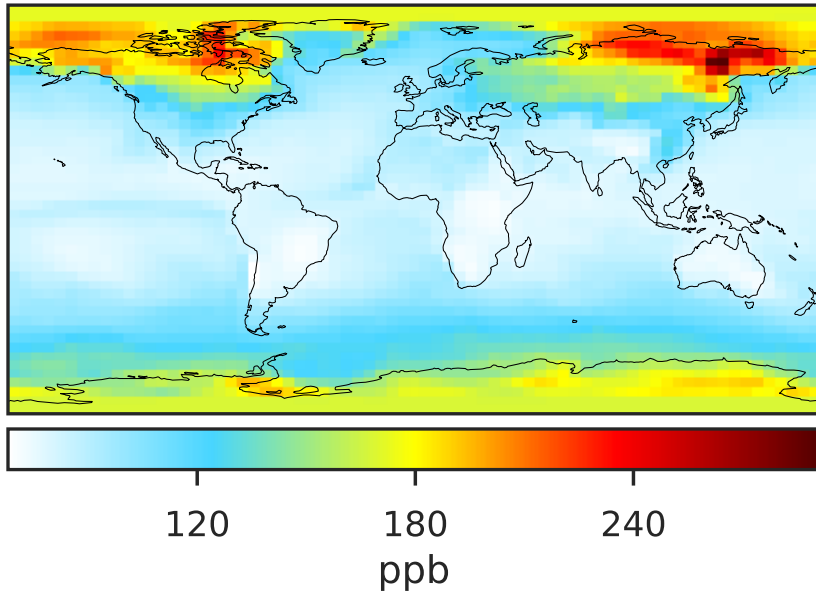


Ratio (1x1.25)  
Dev/Ref, Fixed Range

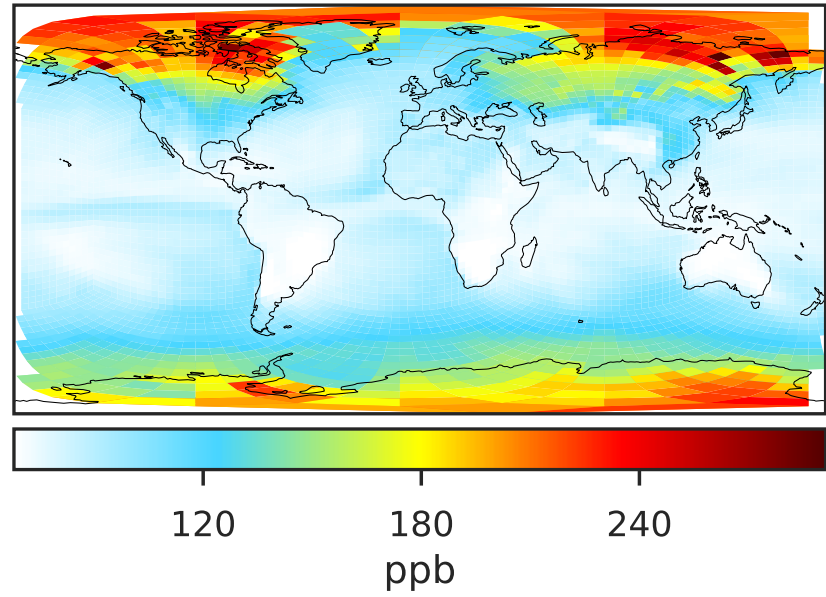


# SpeciesConcVV\_e90\_s (Jan2019)

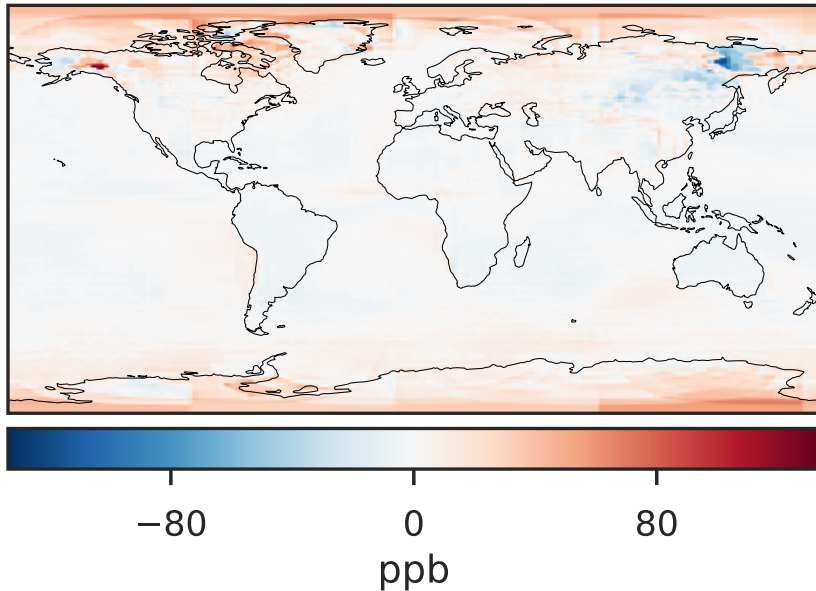
GCC 14.2.2 (Ref)  
4.0x5.0



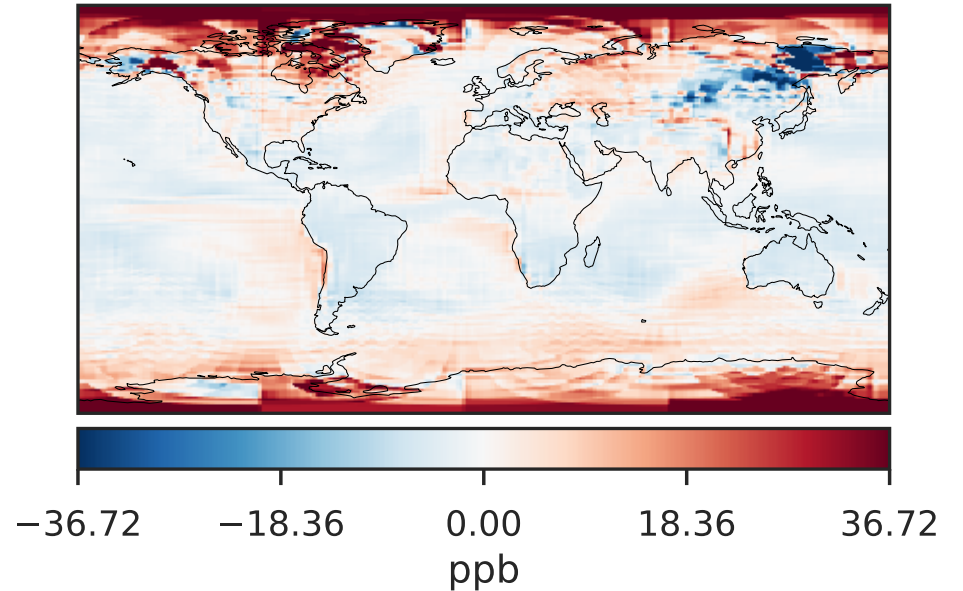
GCHP 14.2.2 using mass flux (Dev)  
c30



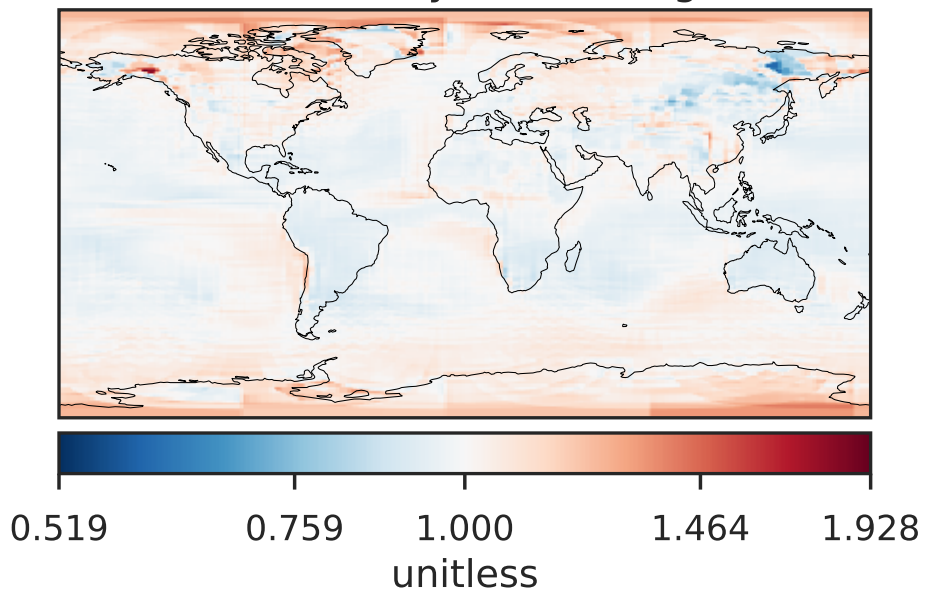
Difference (1x1.25)  
Dev - Ref, Dynamic Range



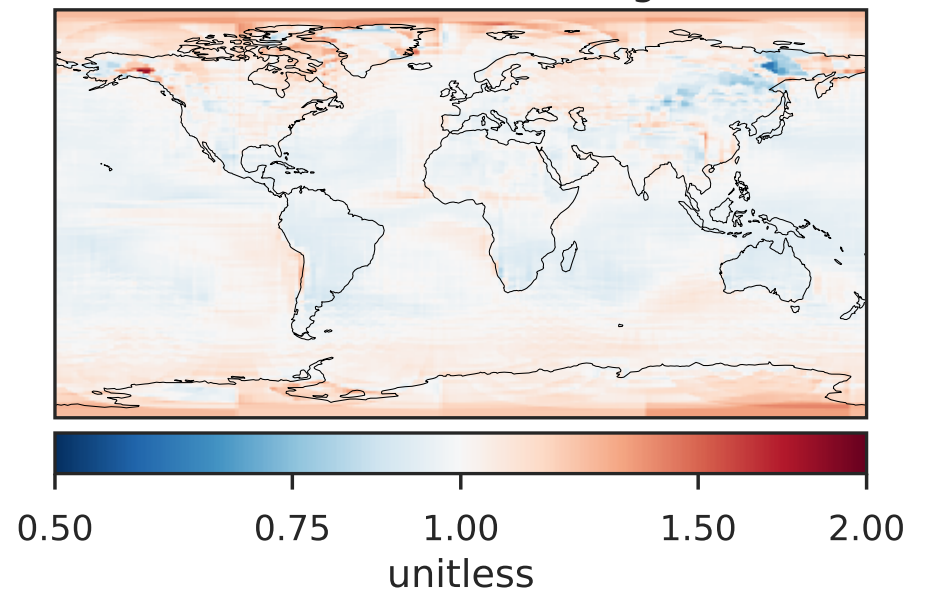
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

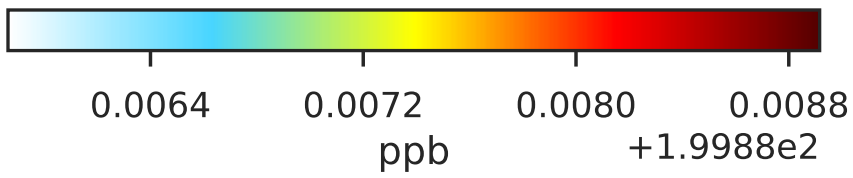
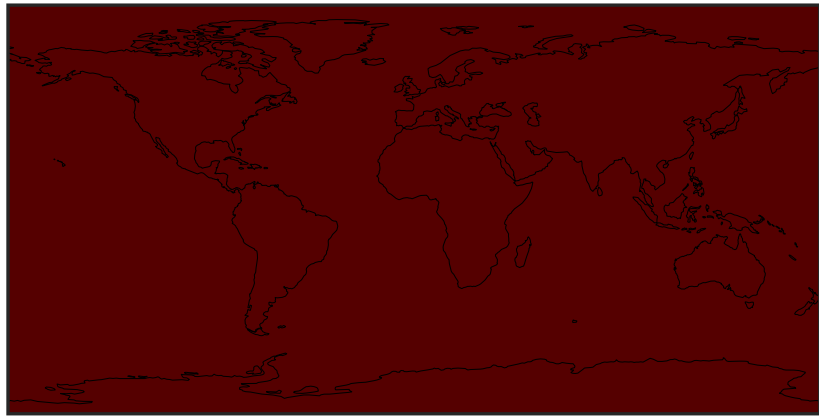


Ratio (1x1.25)  
Dev/Ref, Fixed Range

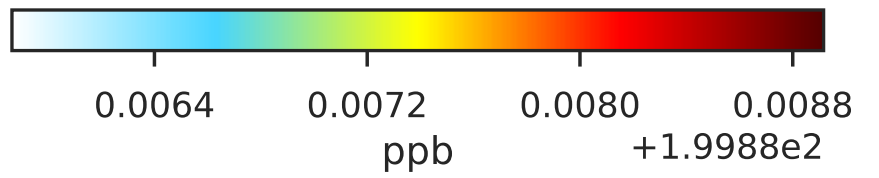
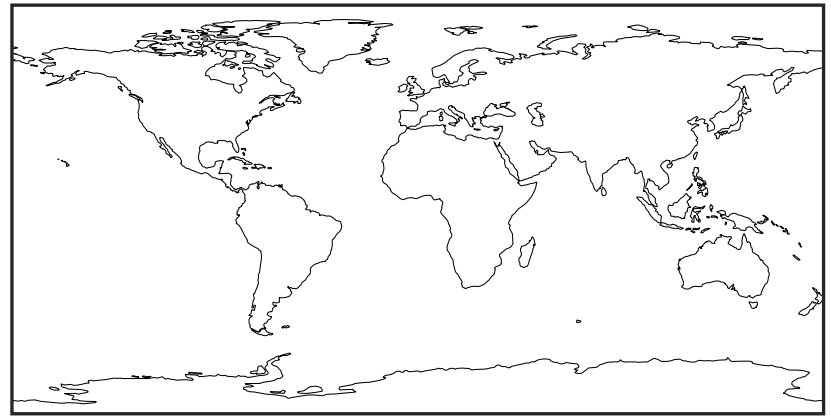


# SpeciesConcVV\_st80\_25 (Jan2019)

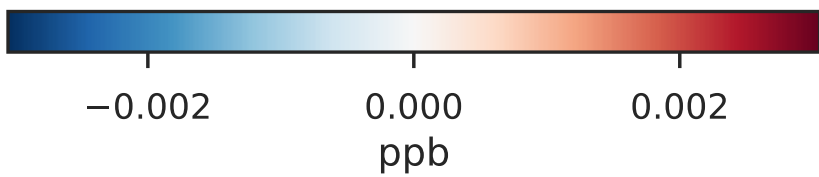
GCC 14.2.2 (Ref)  
4.0x5.0



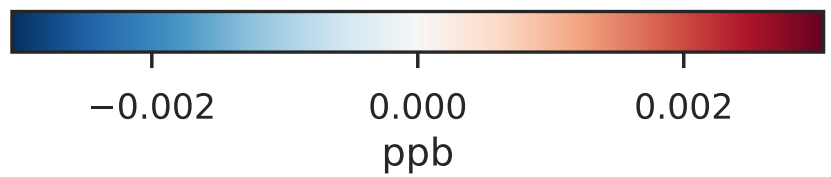
GCHP 14.2.2 using mass flux (Dev)  
c30



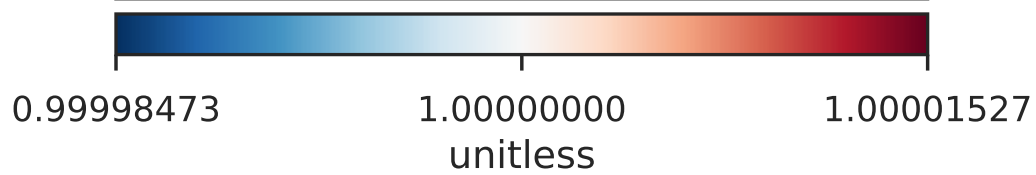
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



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

