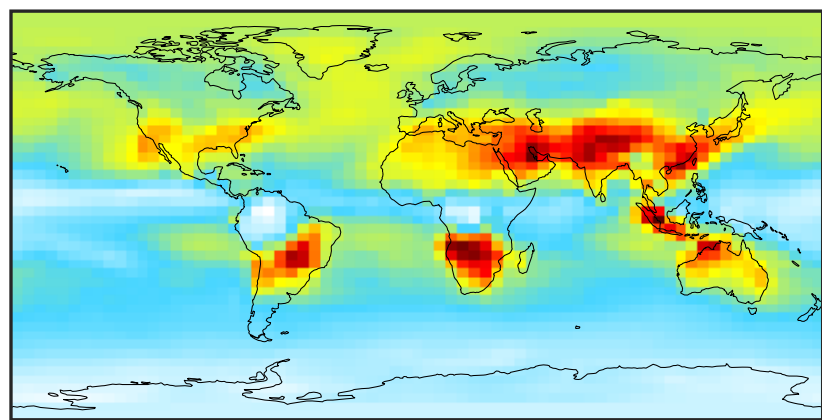


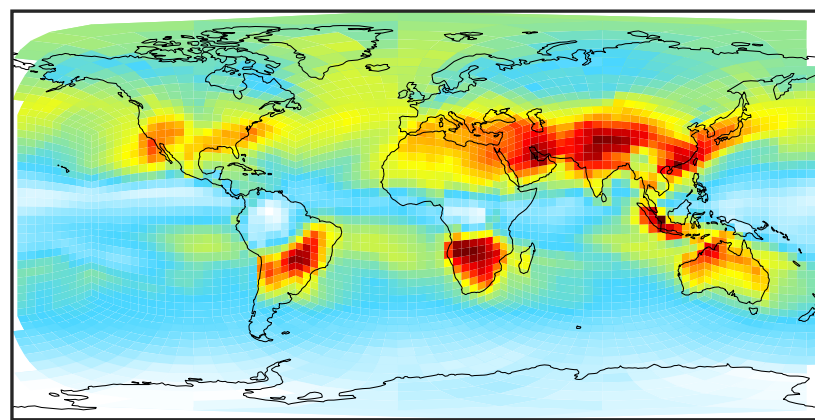
# SpeciesConcVV\_03 (Oct2019)

GCC\_14.2.0 (Ref)  
4.0x5.0



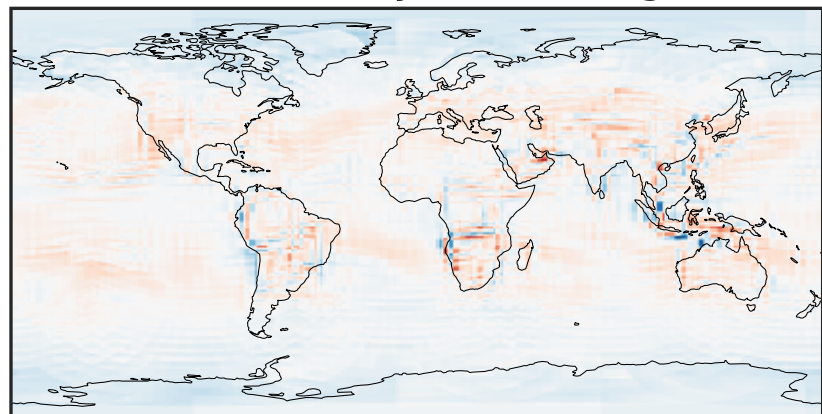
5.62 17.48 34.95 52.43 75.52  
ppb

GCHP\_14.2.0 (Dev)  
c24



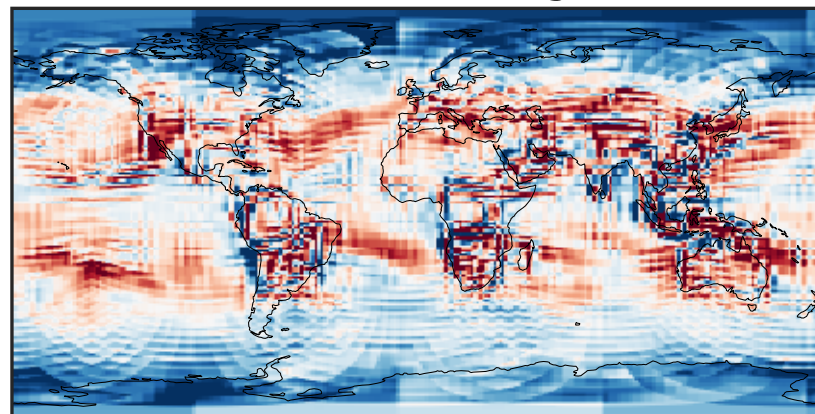
5.62 17.48 34.95 52.43 75.52  
ppb

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



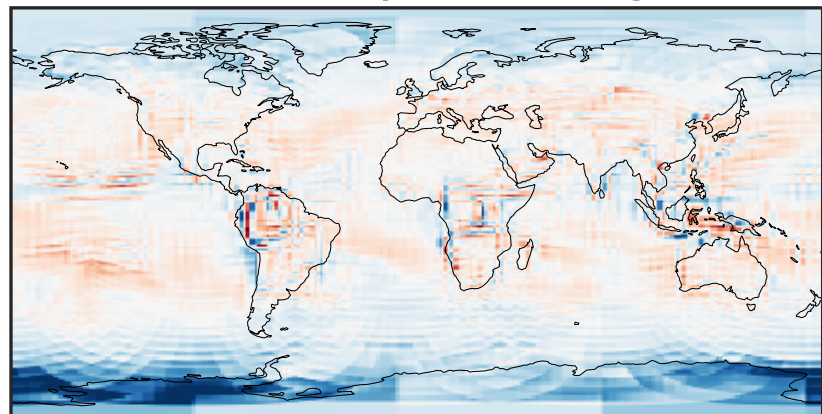
-23.86 -11.93 0.00 11.93 23.86  
ppb

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



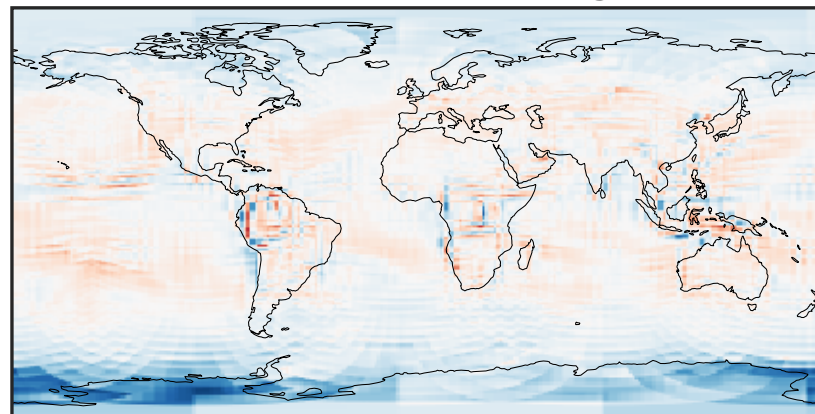
-4.090 -2.045 0.000 2.045 4.090  
ppb

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



0.601 0.800 1.000 1.332 1.664  
unitless

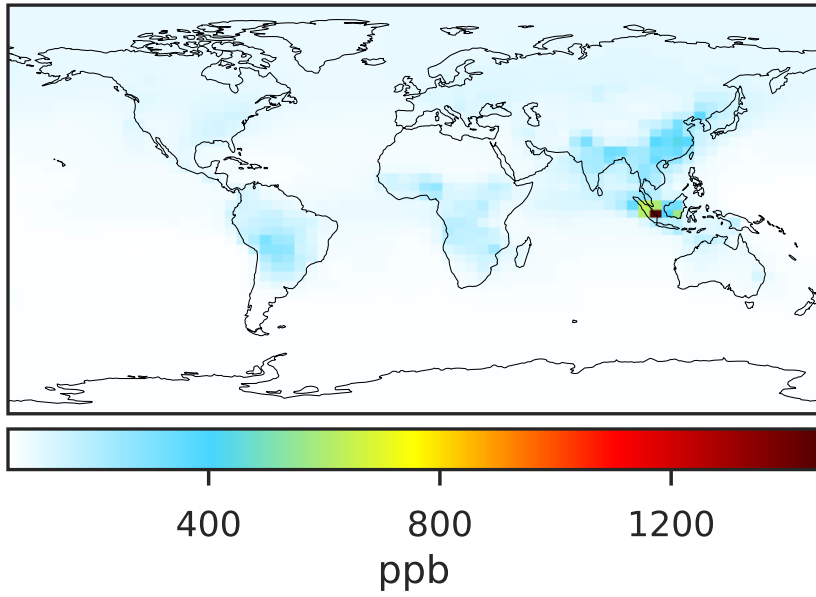
Ratio (1x1.25)  
Dev/Ref, Fixed Range



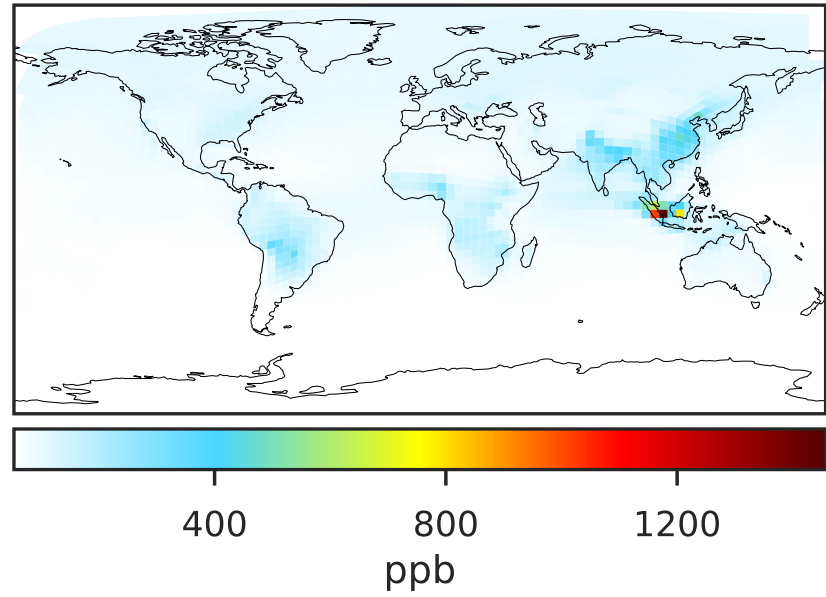
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_CO (Oct2019)

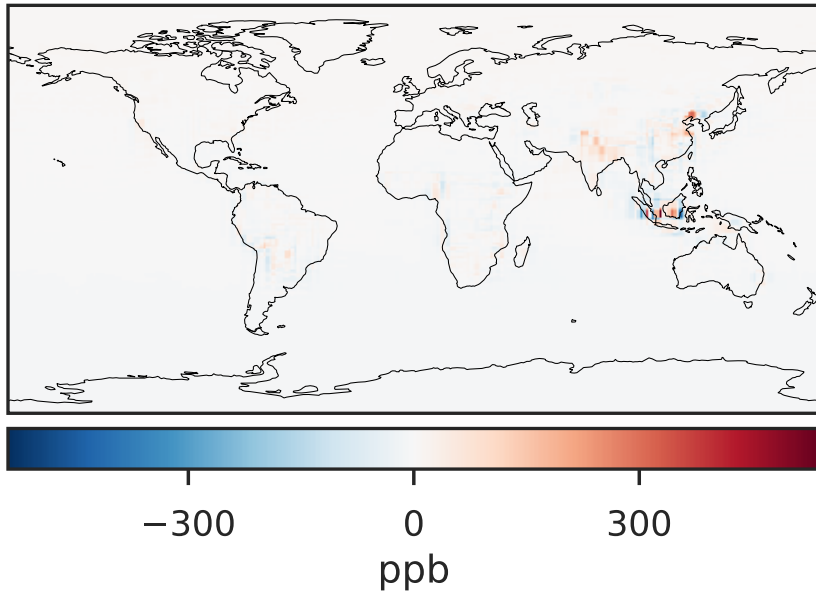
GCC\_14.2.0 (Ref)  
4.0x5.0



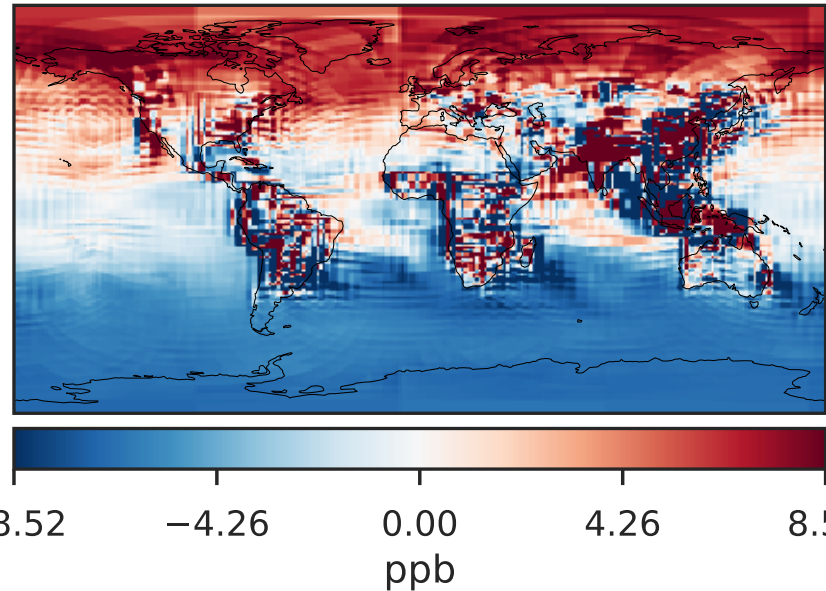
GCHP\_14.2.0 (Dev)  
c24



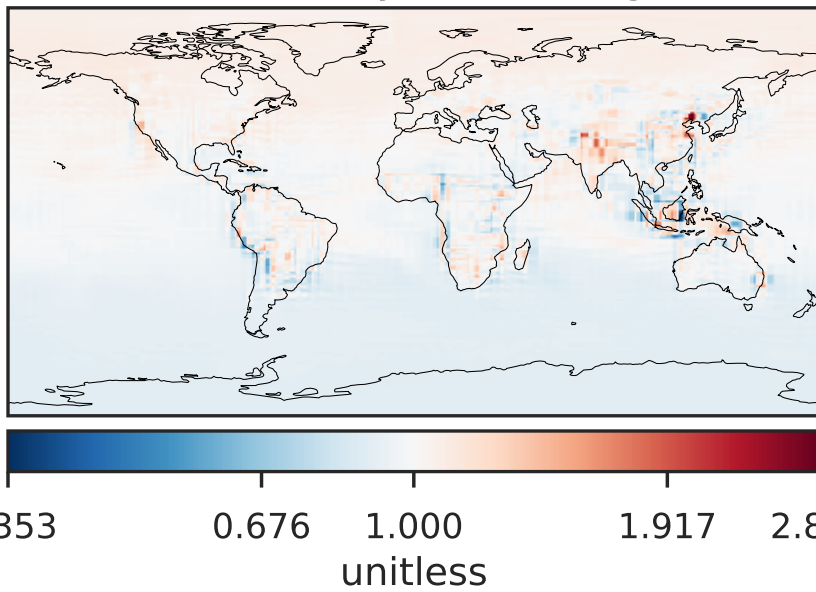
Difference (1x1.25)  
Dev - Ref, Dynamic Range



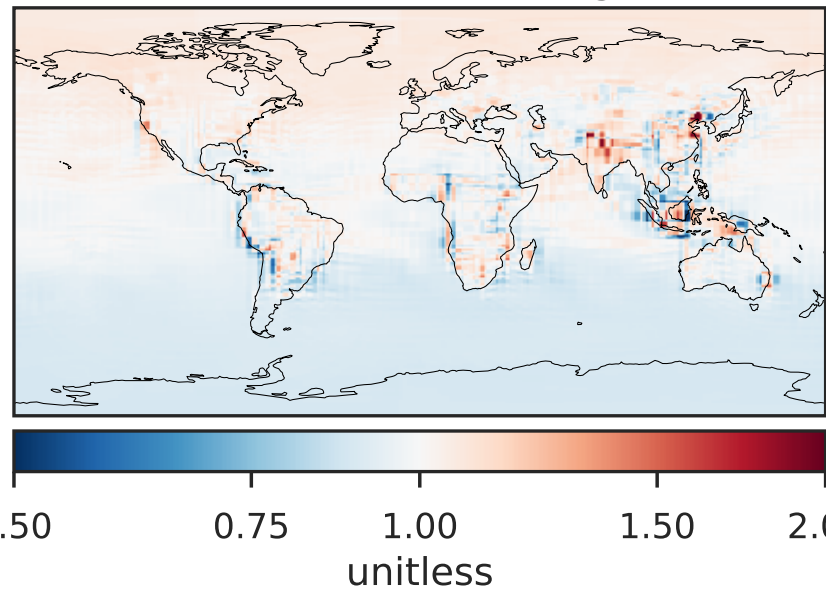
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



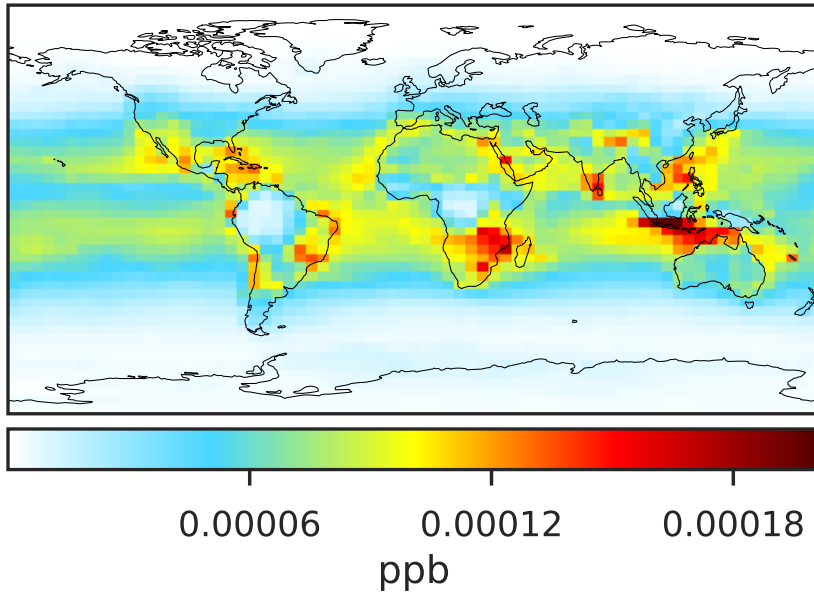
Ratio (1x1.25)  
Dev/Ref, Fixed Range



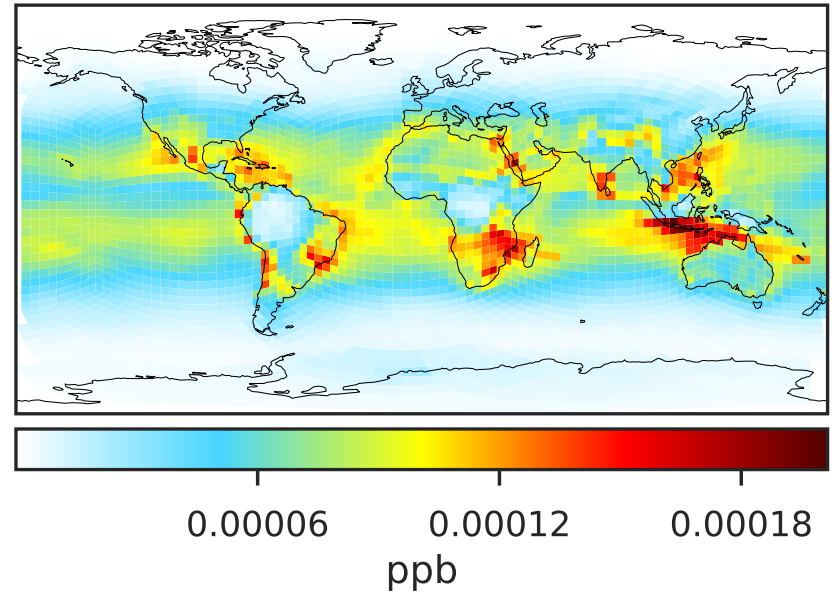


# SpeciesConcVV\_OH (Oct2019)

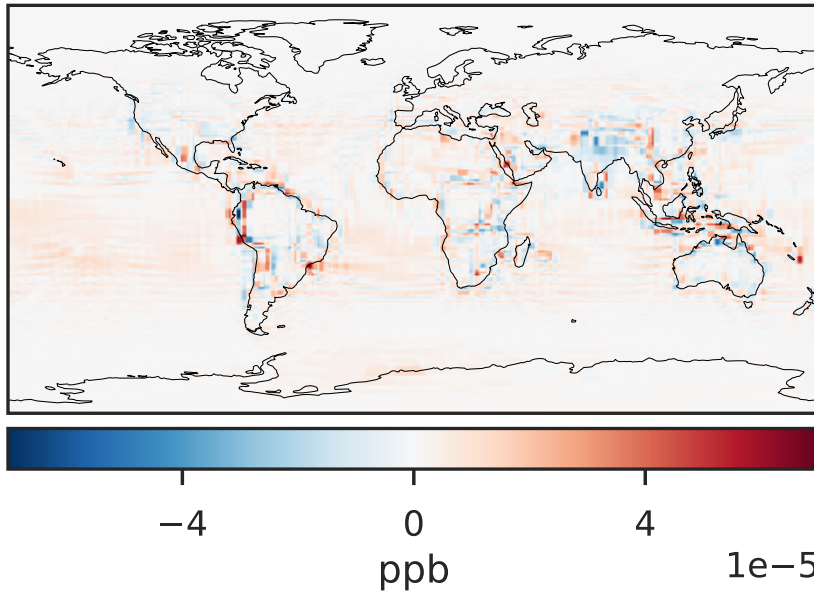
GCC\_14.2.0 (Ref)  
4.0x5.0



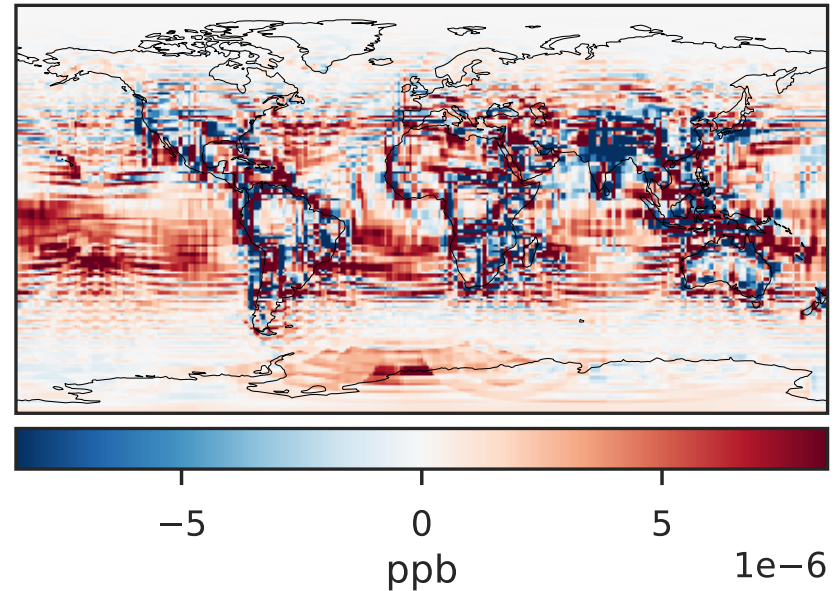
GCHP\_14.2.0 (Dev)  
c24



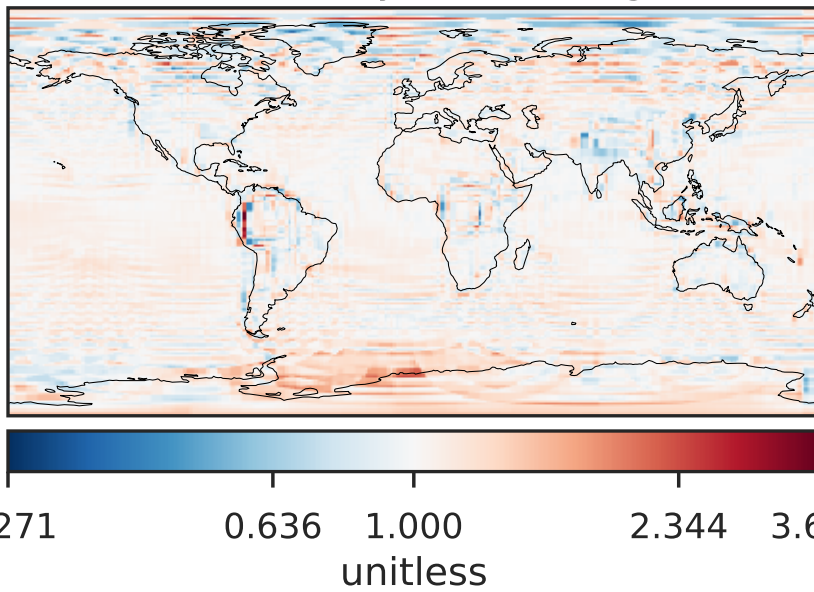
Difference (1x1.25)  
Dev - Ref, Dynamic Range



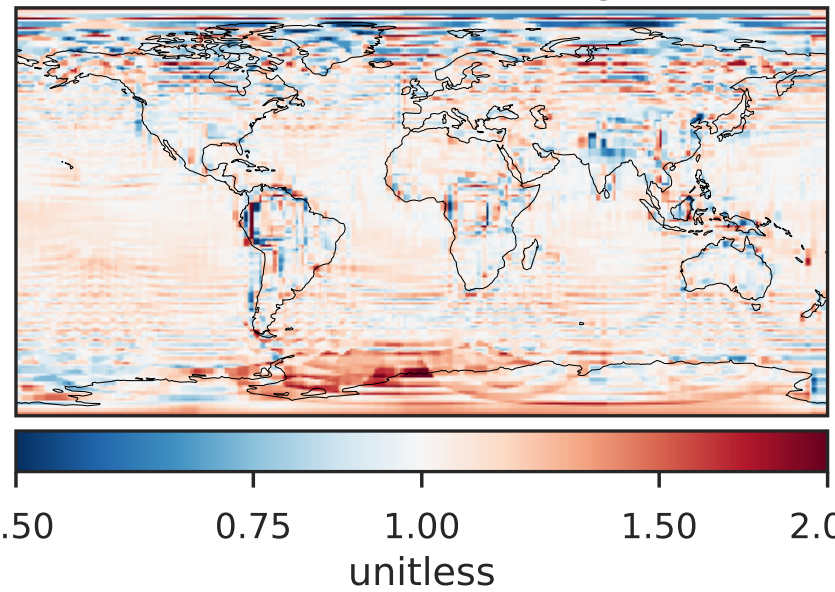
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

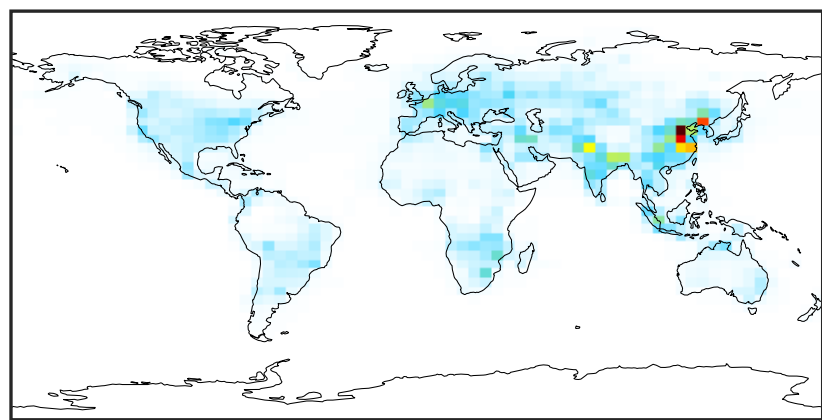


Ratio (1x1.25)  
Dev/Ref, Fixed Range



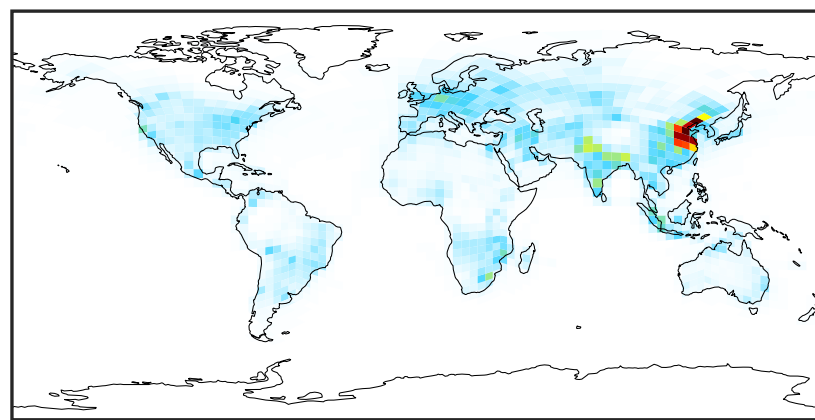
# SpeciesConcVV\_NOx (Oct2019)

GCC\_14.2.0 (Ref)  
4.0x5.0



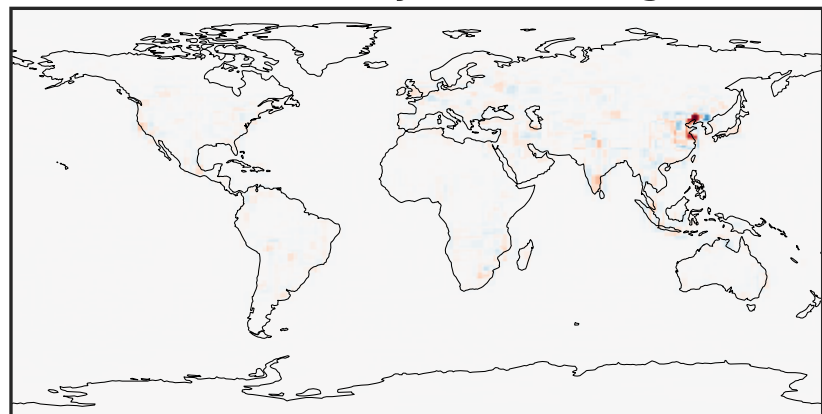
0.00 2.97 5.93 8.90 11.86  
ppb

GCHP\_14.2.0 (Dev)  
c24



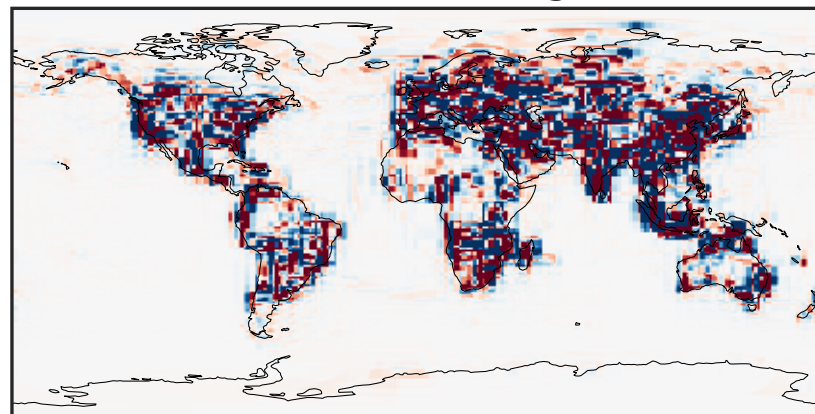
0.00 2.97 5.93 8.90 11.86  
ppb

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



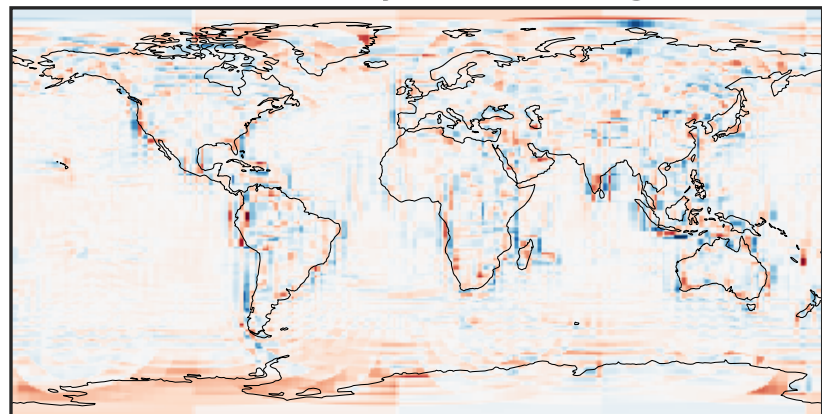
-9.73 -4.86 0.00 4.86 9.73  
ppb

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



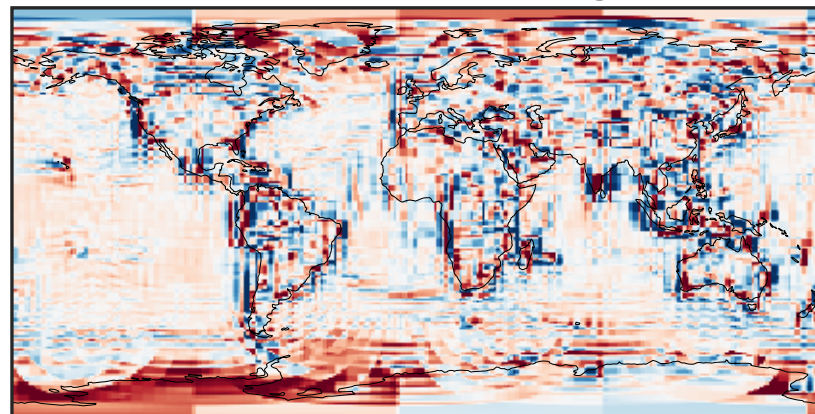
-0.1582 -0.0791 0.0000 0.0791 0.1582  
ppb

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



0.116 0.558 1.000 4.818 8.636  
unitless

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



0.50 0.75 1.00 1.50 2.00  
unitless