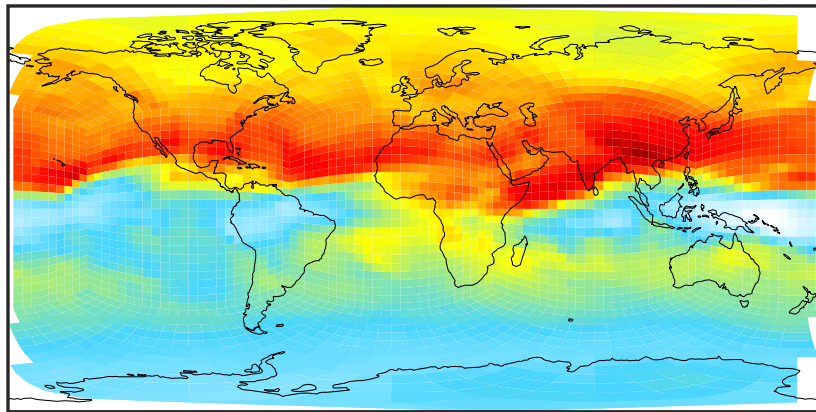


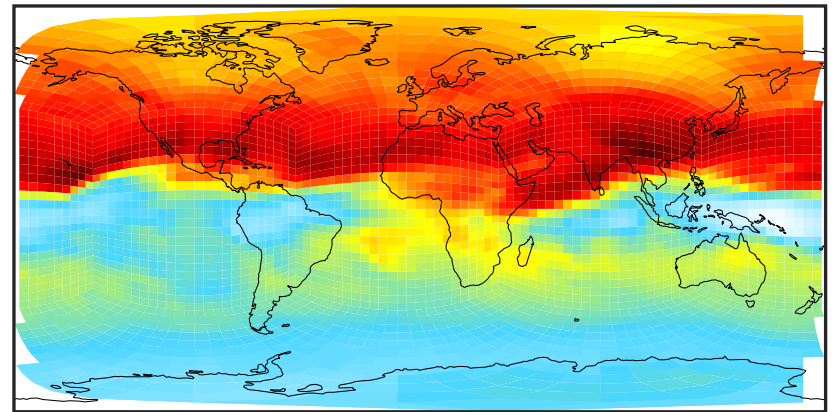
# SpeciesConcVV\_03 (Apr2019)

GCHP\_14.0.0 (Ref)  
c24



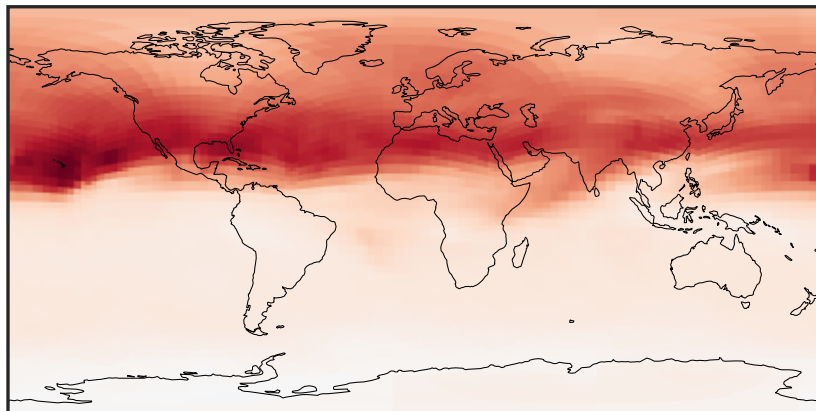
10.3419.52 39.03 58.55 88.40  
ppb

GCHP\_14.2.0 (Dev)  
c24



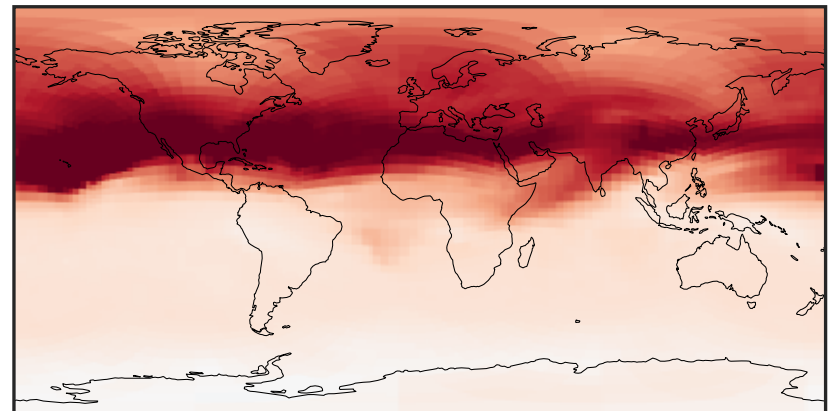
10.3419.52 39.03 58.55 88.40  
ppb

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



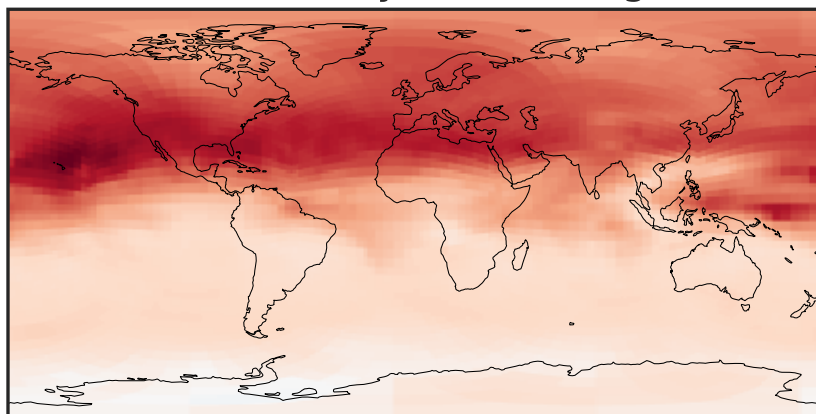
-13.95 -6.98 0.00 6.98 13.95  
ppb

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



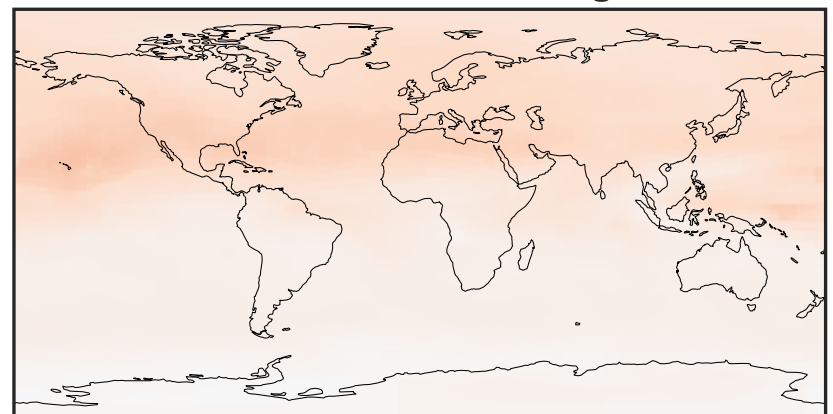
-10.30 -5.15 0.00 5.15 10.30  
ppb

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



0.8190 0.9095 1.0000 1.1105 1.2210  
unitless

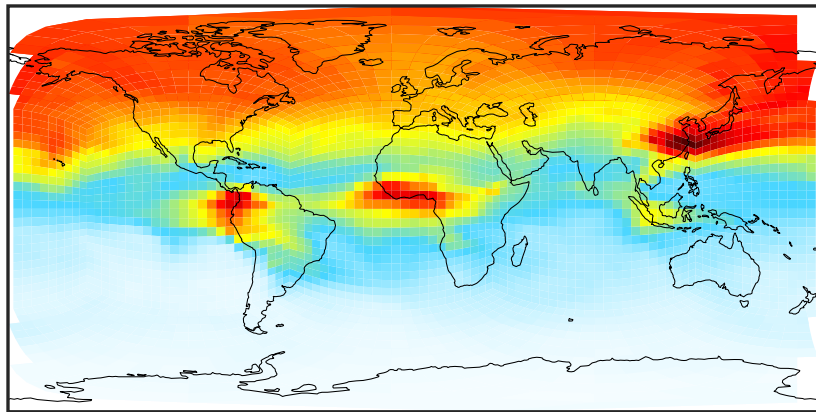
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

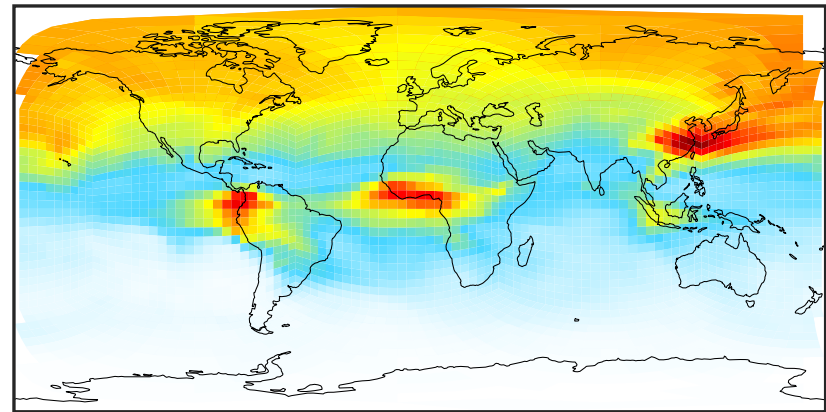
# SpeciesConcVV\_CO (Apr2019)

GCHP\_14.0.0 (Ref)  
c24



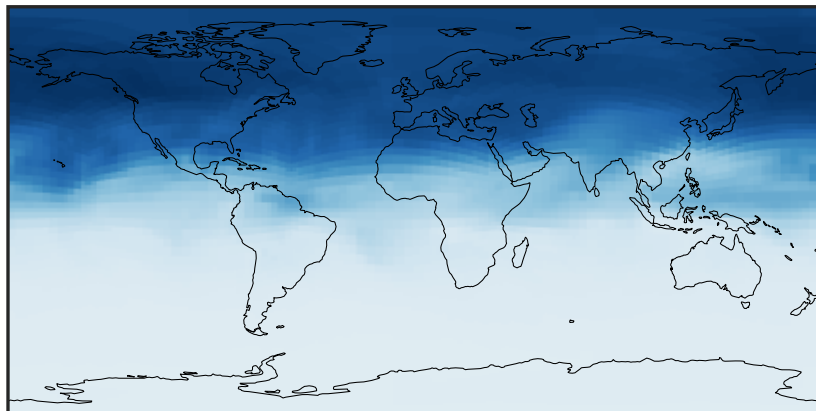
21.7 43.5 65.2 131.7  
ppb

GCHP\_14.2.0 (Dev)  
c24



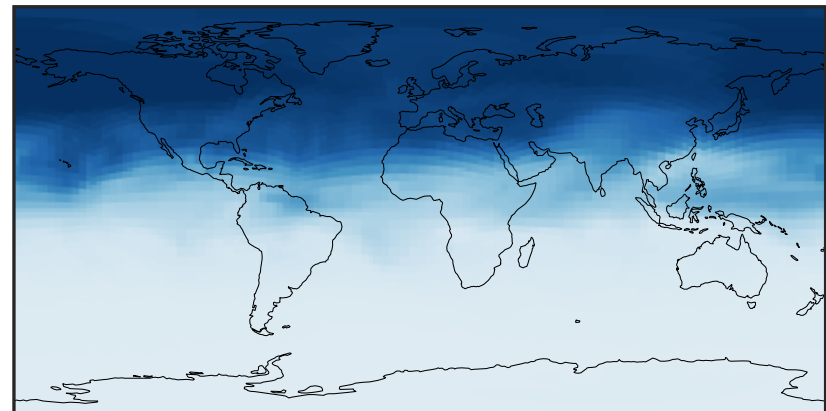
21.7 43.5 65.2 131.7  
ppb

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



-10.41 -5.21 0.00 5.21 10.41  
ppb

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



-9.95 -4.97 0.00 4.97 9.95  
ppb

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



0.98104 0.99052 1.00000 1.00966 1.01933  
unitless

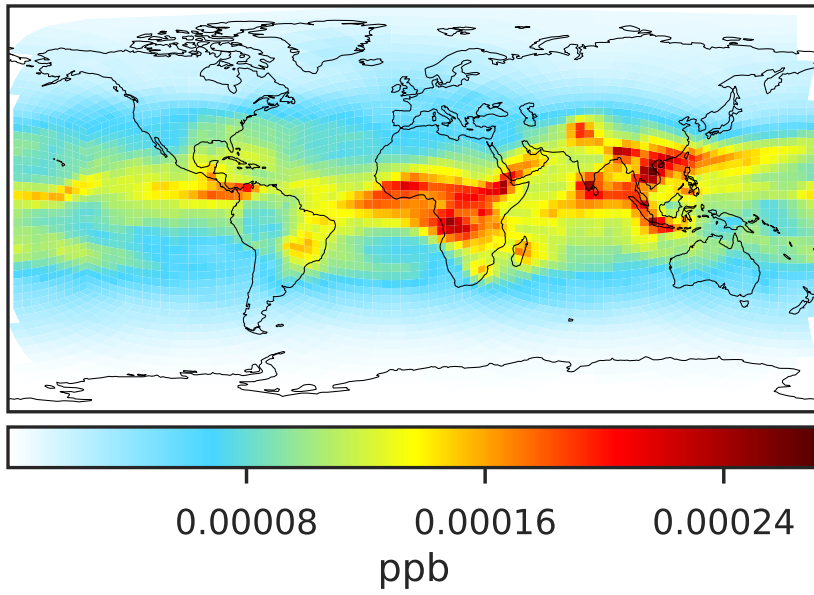
Ratio (1x1.25)  
Dev/Ref, Fixed Range



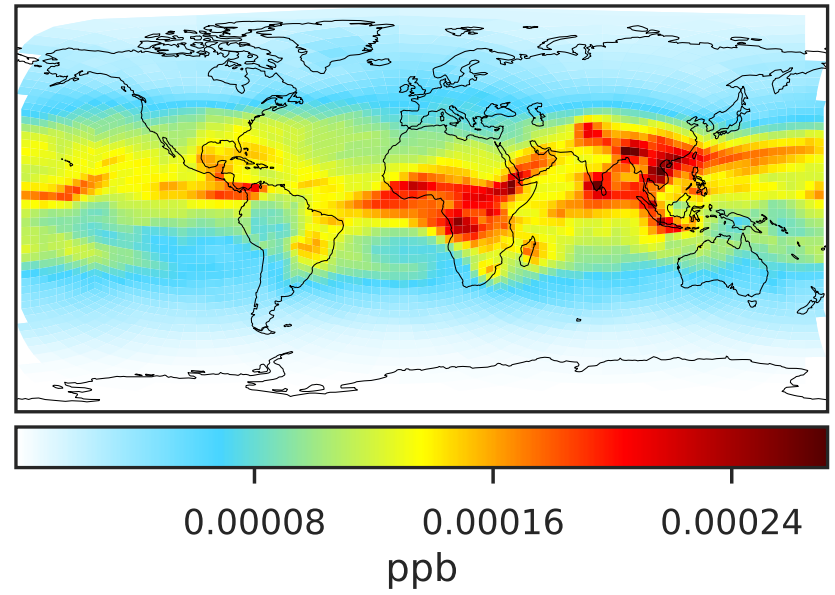
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_OH (Apr2019)

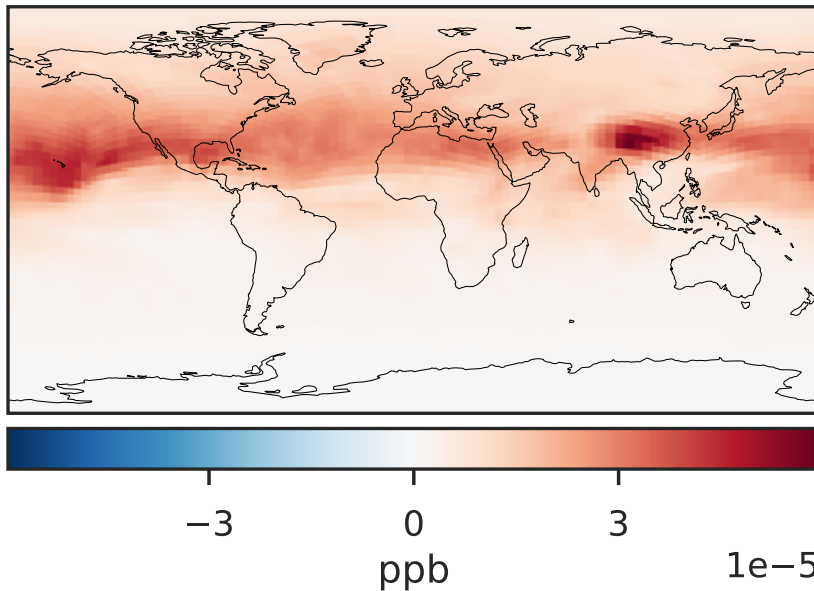
GCHP\_14.0.0 (Ref)  
c24



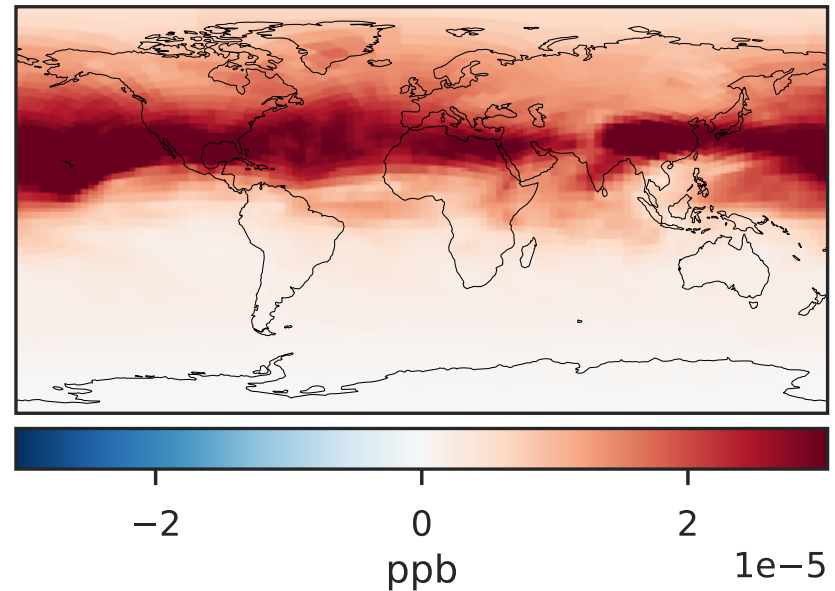
GCHP\_14.2.0 (Dev)  
c24



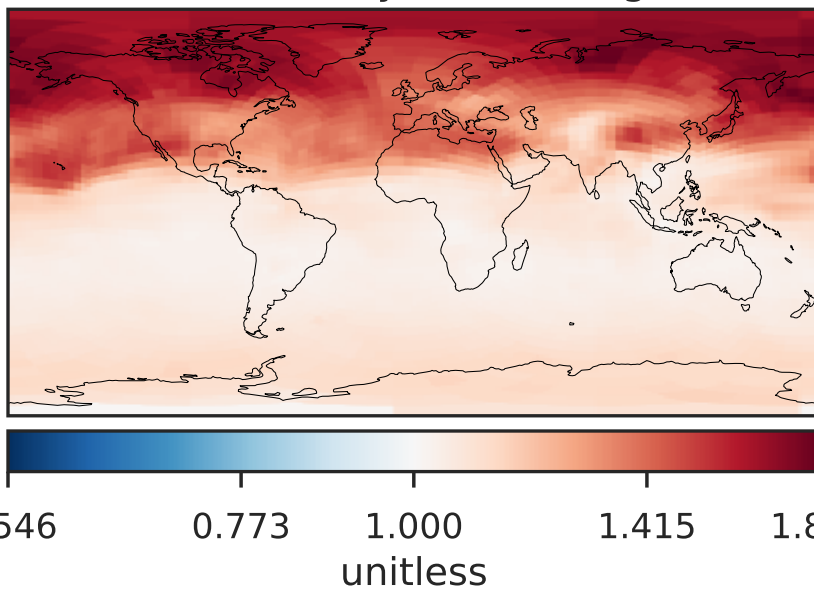
Difference (1x1.25)  
Dev - Ref, Dynamic Range



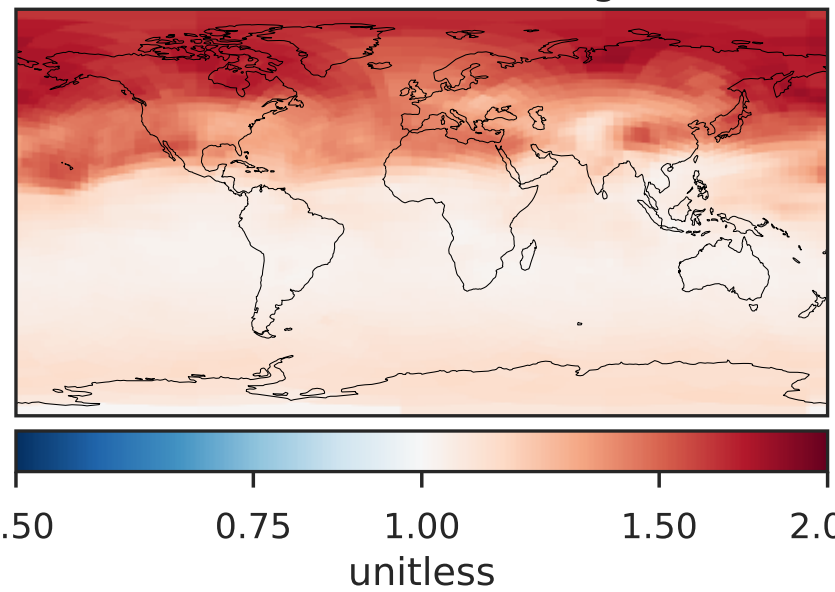
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



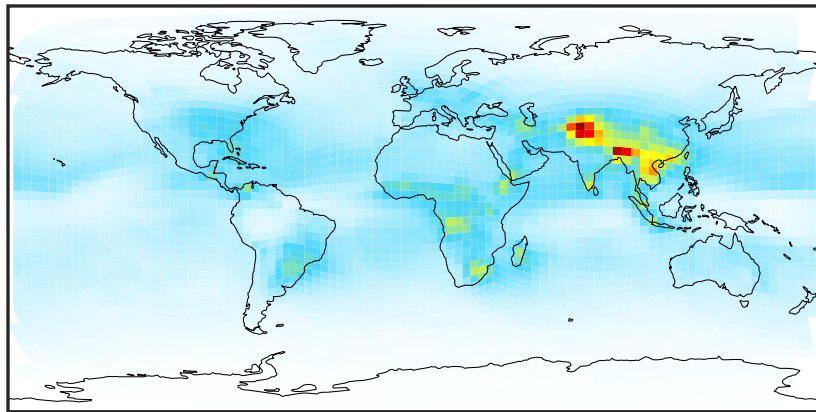
Ratio (1x1.25)  
Dev/Ref, Fixed Range





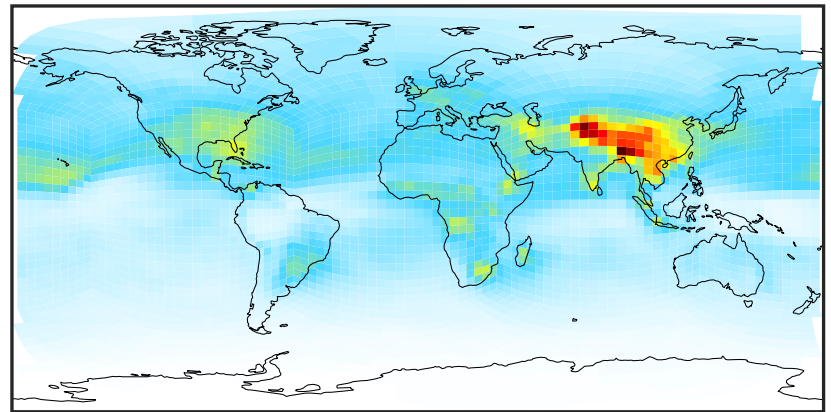
# SpeciesConcVV\_NOx (Apr2019)

GCHP\_14.0.0 (Ref)  
c24



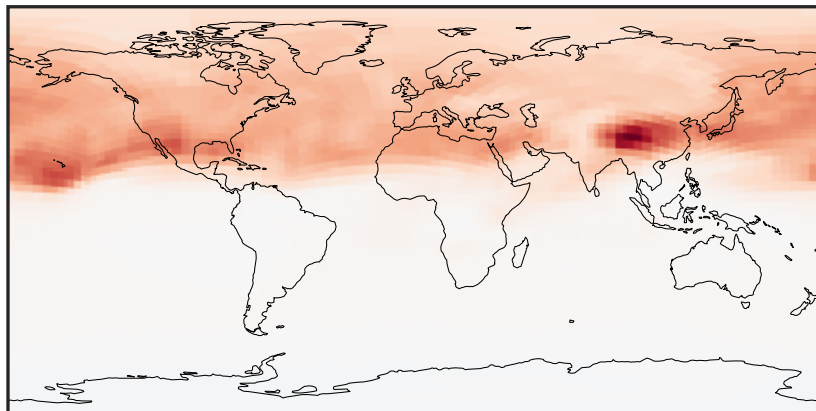
0.0008 0.0639 0.1277 0.1916 0.2562  
ppb

GCHP\_14.2.0 (Dev)  
c24



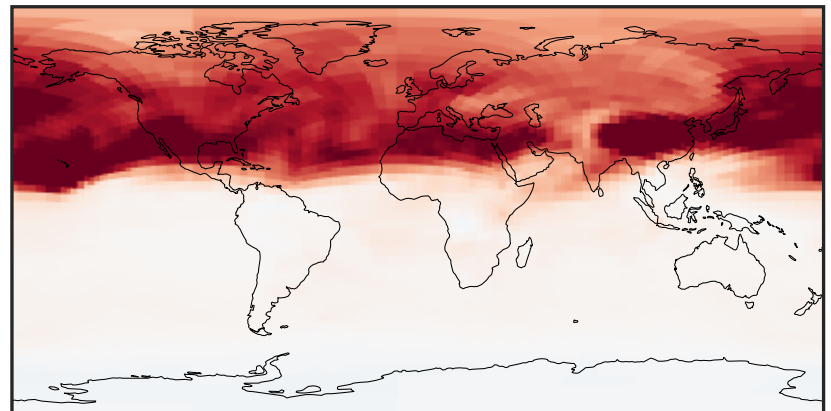
0.0008 0.0639 0.1277 0.1916 0.2562  
ppb

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



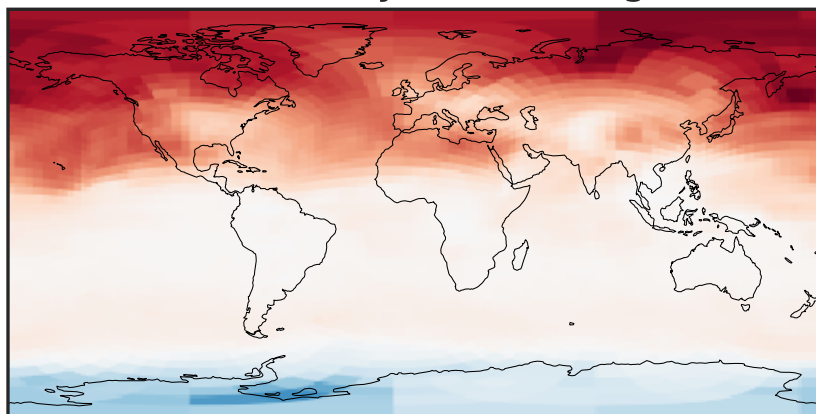
-0.0845 -0.0423 0.0000 0.0423 0.0845  
ppb

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



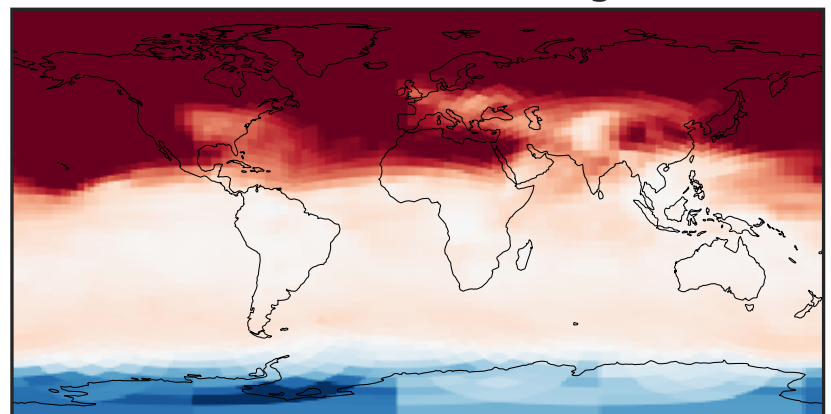
-0.02 0.00 0.02  
ppb

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



0.221 0.611 1.000 2.761 4.522  
unitless

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



0.50 0.75 1.00 1.50 2.00  
unitless