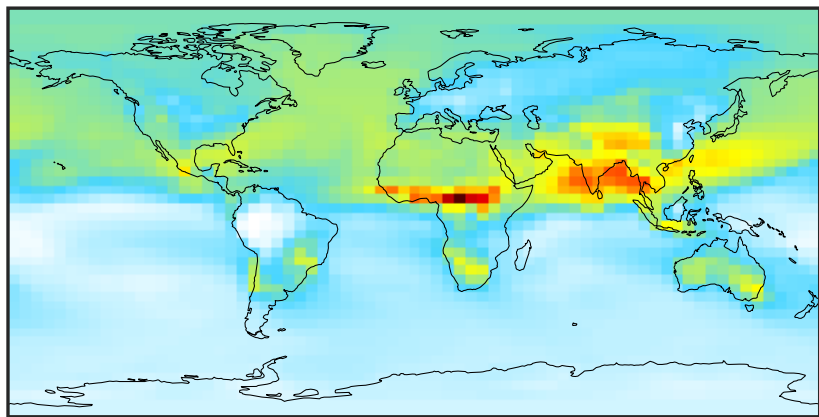


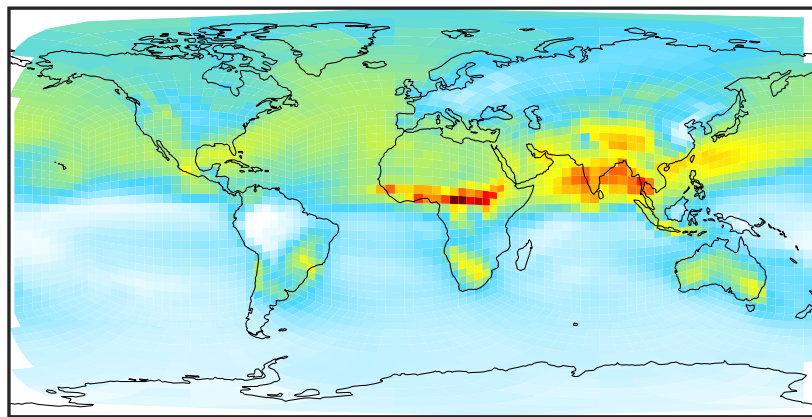
# SpeciesConcVW\_03 (Jan2019)

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



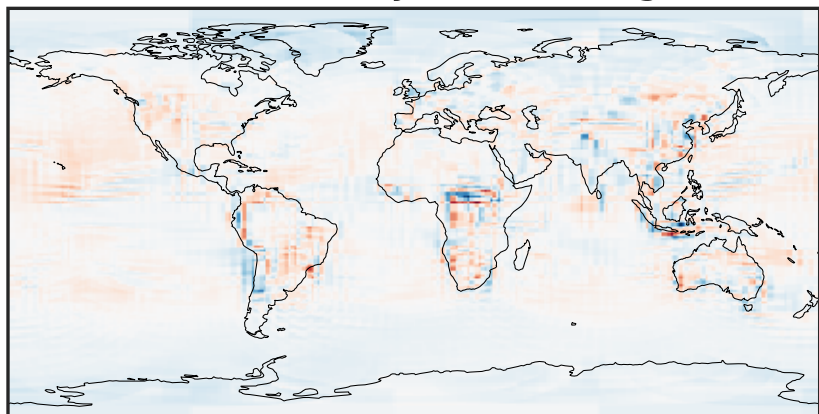
6.05 21.40 42.80 64.20 91.66  
ppb

GCHP\_14.2.0 (Dev)  
c24



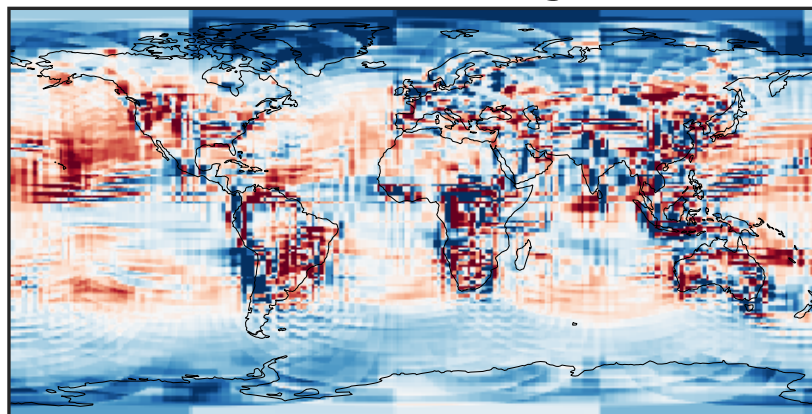
6.05 21.40 42.80 64.20 91.66  
ppb

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



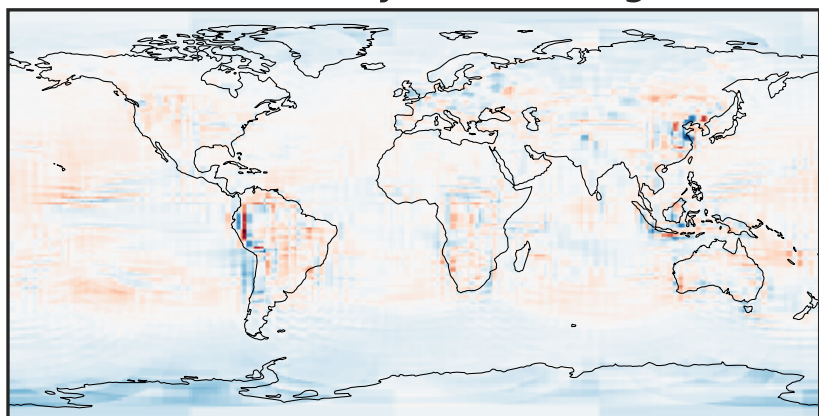
-19.51 -9.76 0.00 9.76 19.51  
ppb

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



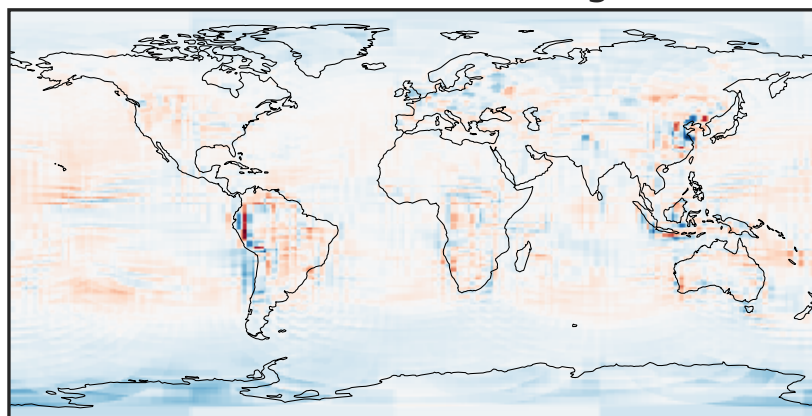
-3.211 -1.605 0.000 1.605 3.211  
ppb

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



0.476 0.738 1.000 1.551 2.103  
unitless

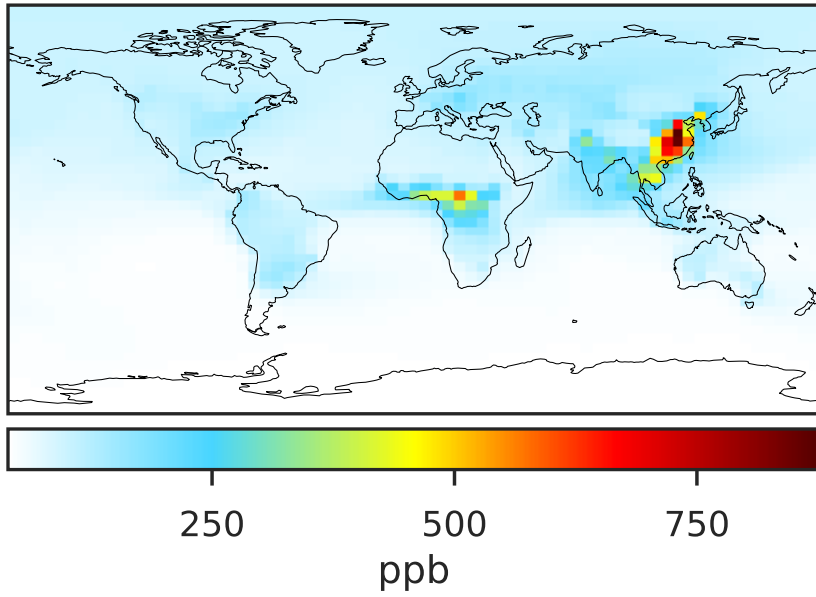
Ratio (1x1.25)  
Dev/Ref, Fixed Range



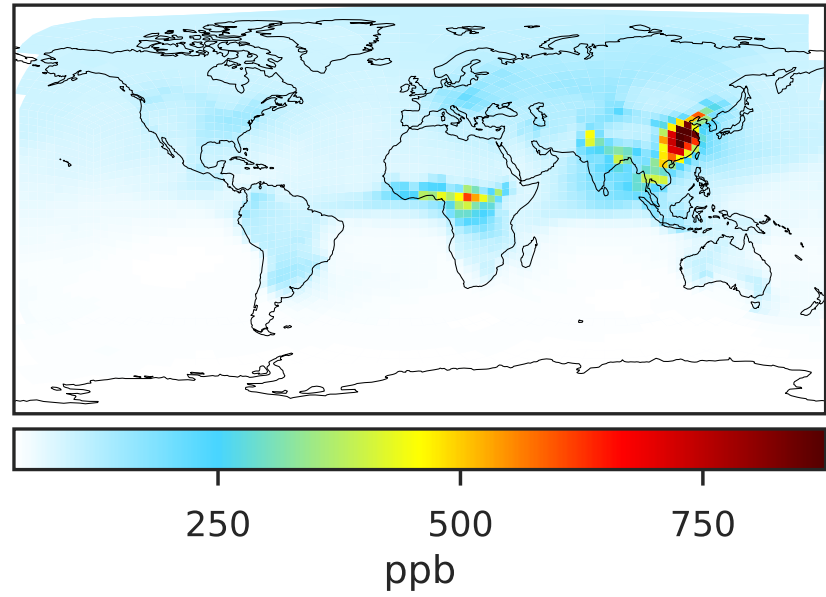
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_CO (Jan2019)

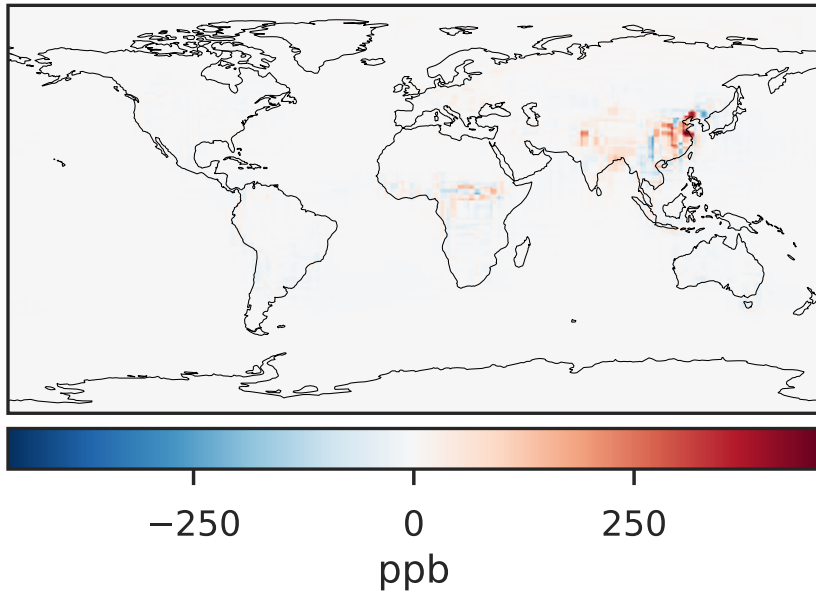
GCC\_14.2.0 (Ref)  
4.0x5.0



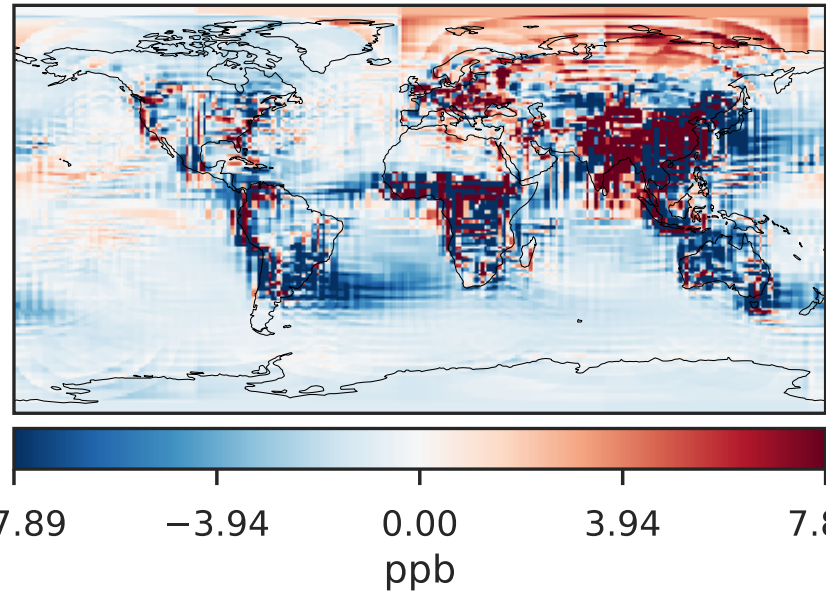
GCHP\_14.2.0 (Dev)  
c24



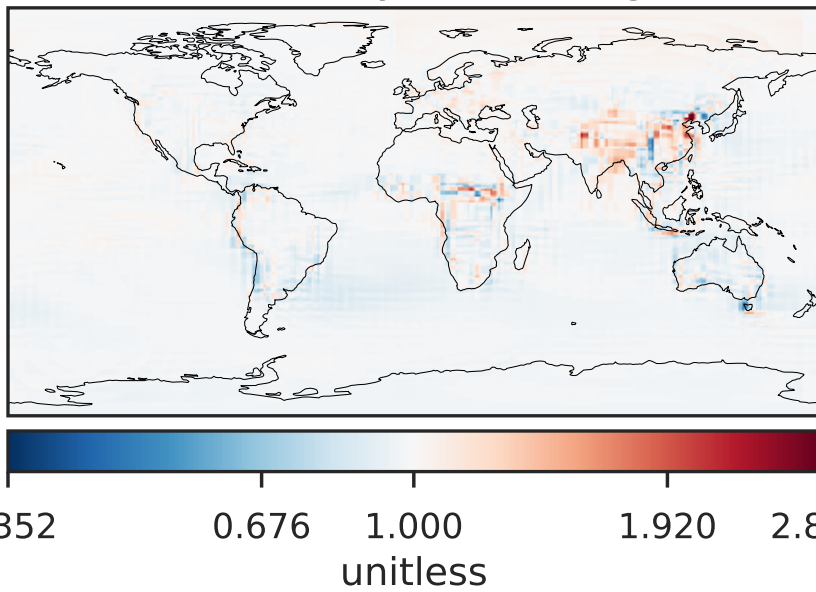
Difference (1x1.25)  
Dev - Ref, Dynamic Range



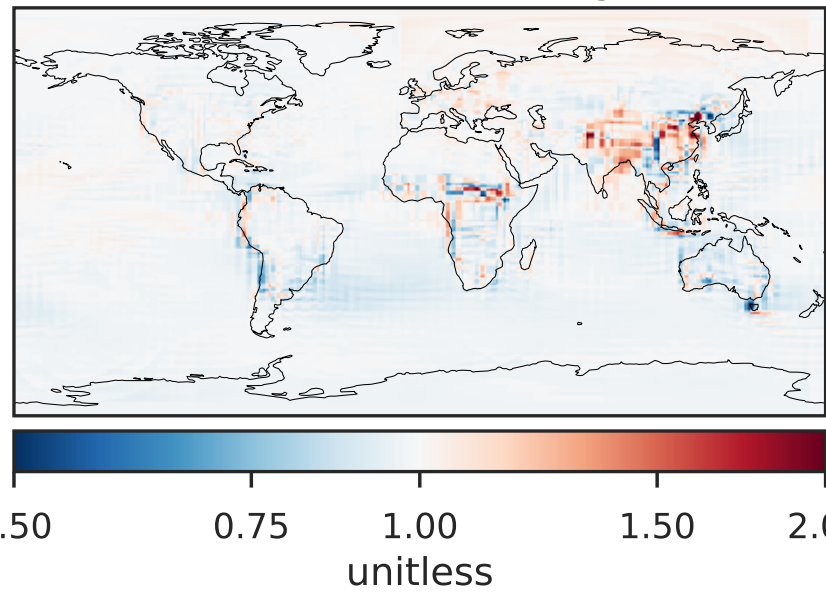
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

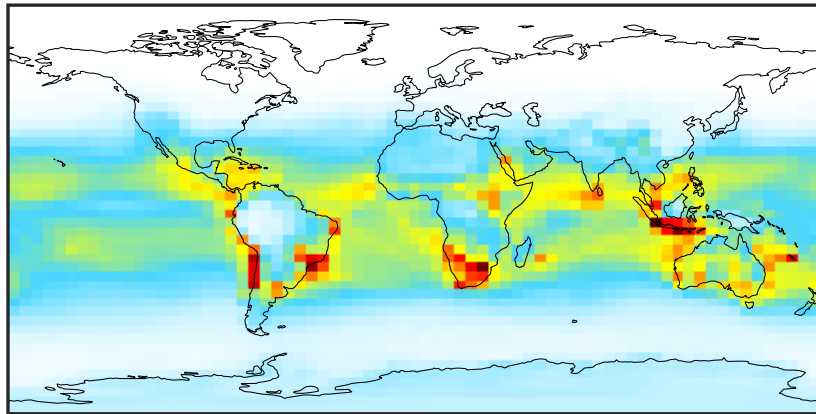


Ratio (1x1.25)  
Dev/Ref, Fixed Range



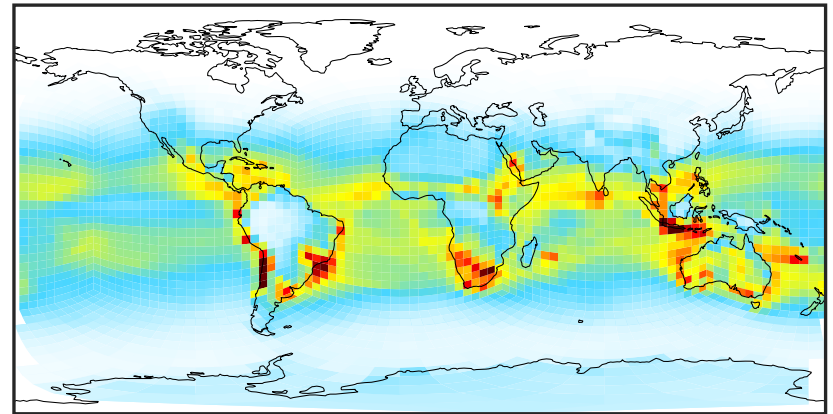
# SpeciesConcVV\_OH (Jan2019)

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



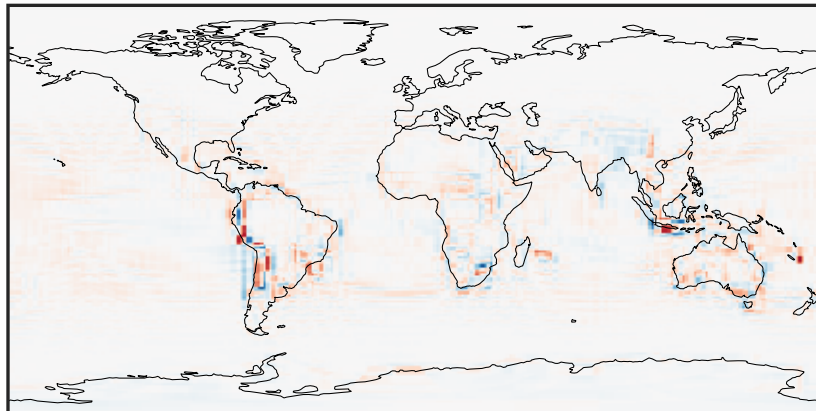
0.00005 0.00010 0.00015  
ppb

GCHP\_14.2.0 (Dev)  
c24



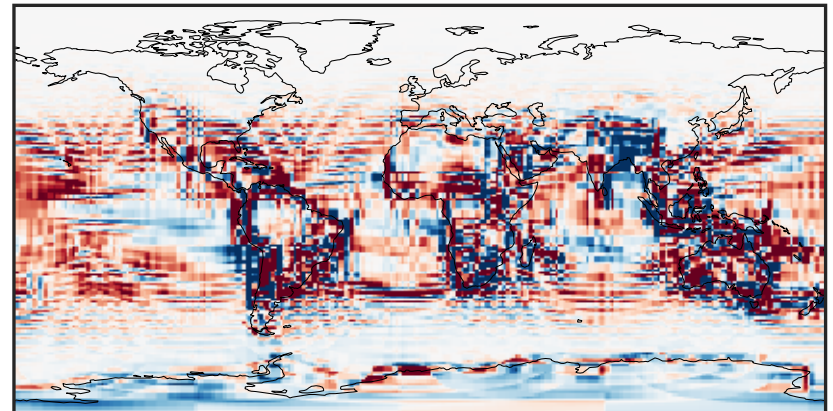
0.00005 0.00010 0.00015  
ppb

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



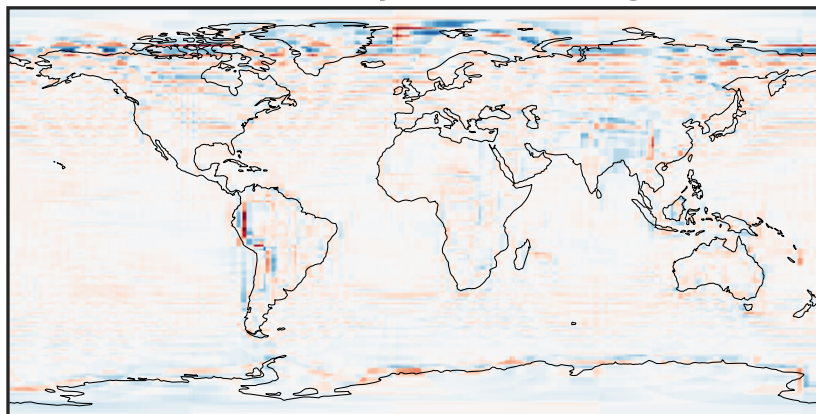
-5 0 5  
ppb  $1e-5$

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



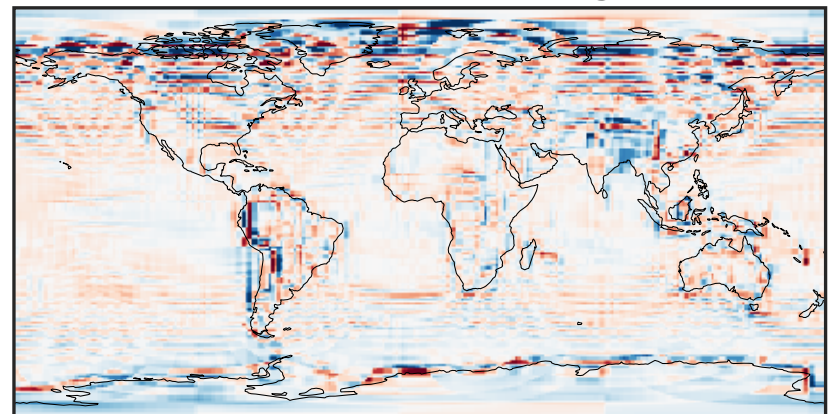
-4 0 4  
ppb  $1e-6$

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



0.197 0.598 1.000 3.042 5.084  
unitless

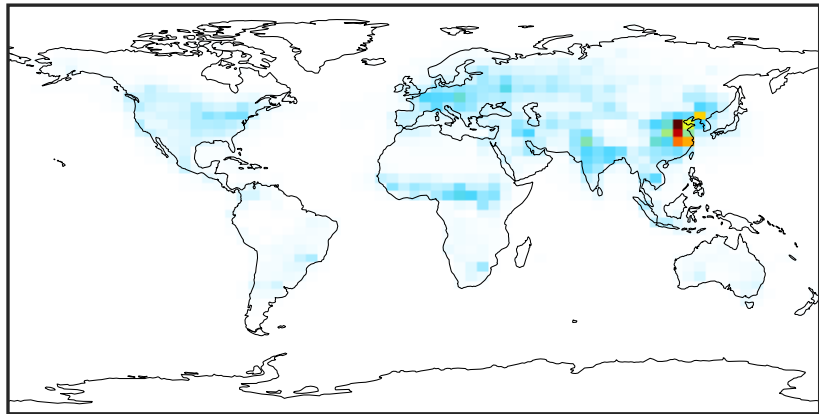
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

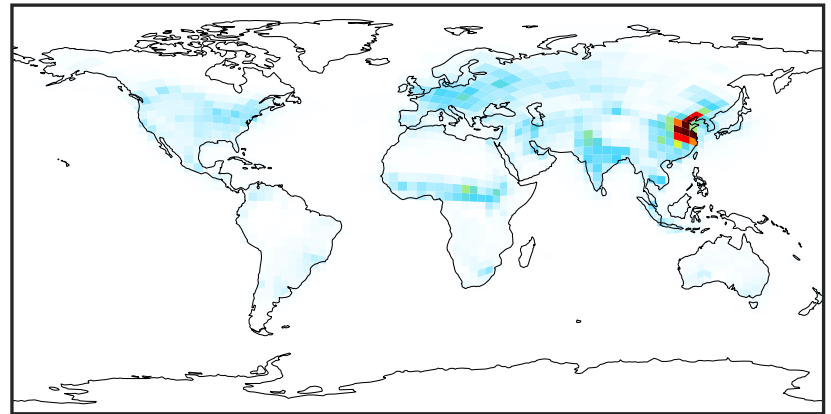
# SpeciesConcVV\_NOx (Jan2019)

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



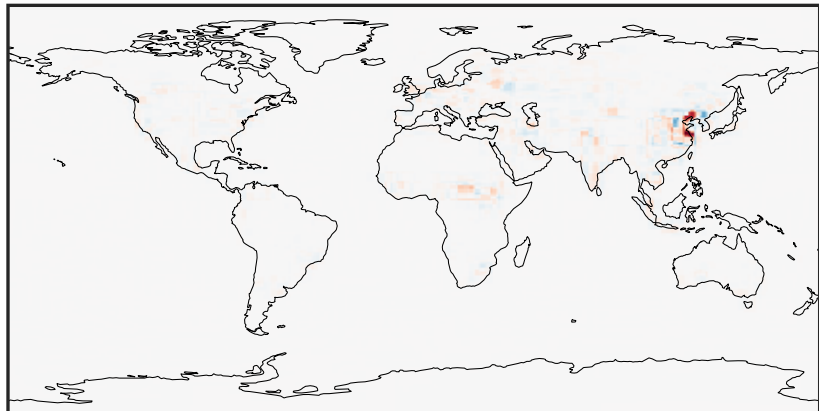
0.00 6.00 12.01 18.01 24.02  
ppb

GCHP\_14.2.0 (Dev)  
c24



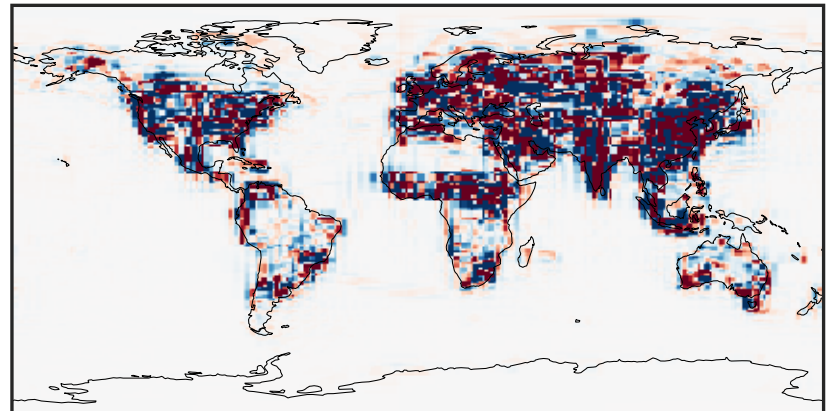
0.00 6.00 12.01 18.01 24.02  
ppb

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



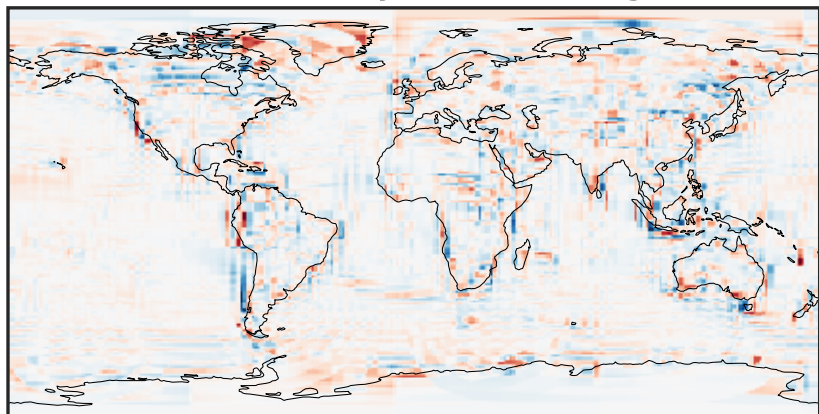
-17.37 -8.69 0.00 8.69 17.37  
ppb

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



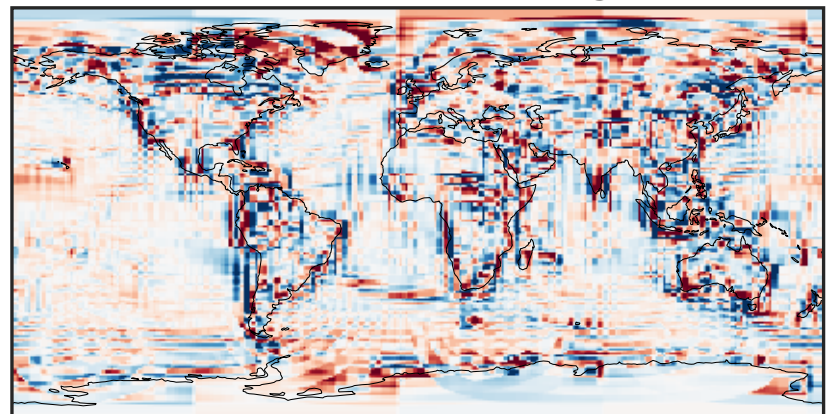
-0.2042 -0.1021 0.0000 0.1021 0.2042  
ppb

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



0.121 0.561 1.000 4.621 8.243  
unitless

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



0.50 0.75 1.00 1.50 2.00  
unitless