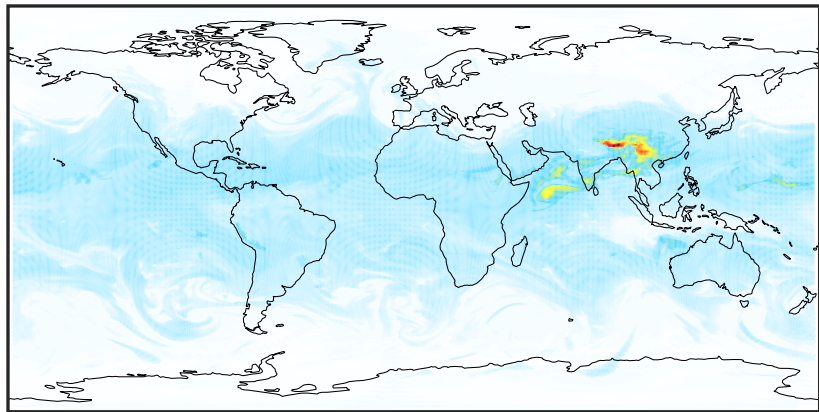


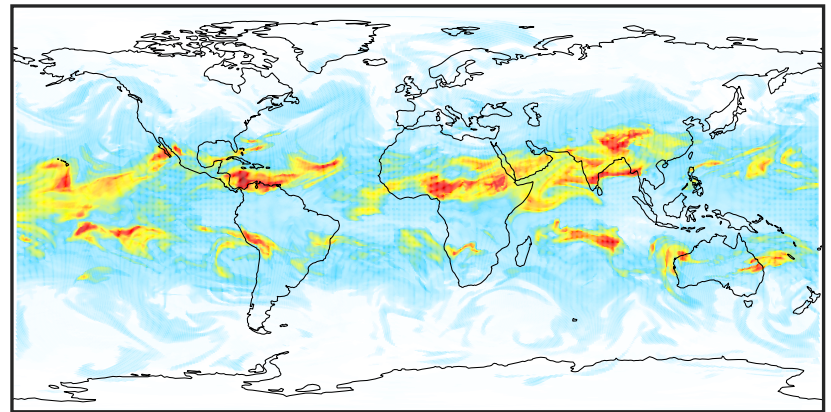
SpeciesConcVV_PassiveTracer (Apr2019)

GCHP 14.2.2 using wind (Ref)
c180



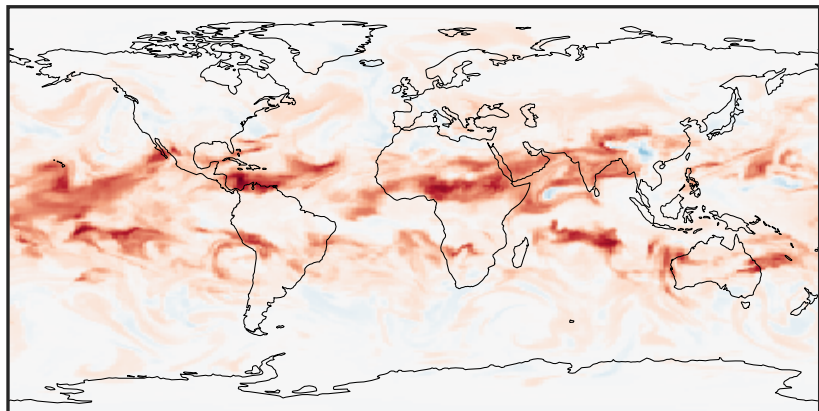
0.0008 0.0016 0.0024
ppb +9.998e1

GCHP 14.2.2 using mass flux (Dev)
c180



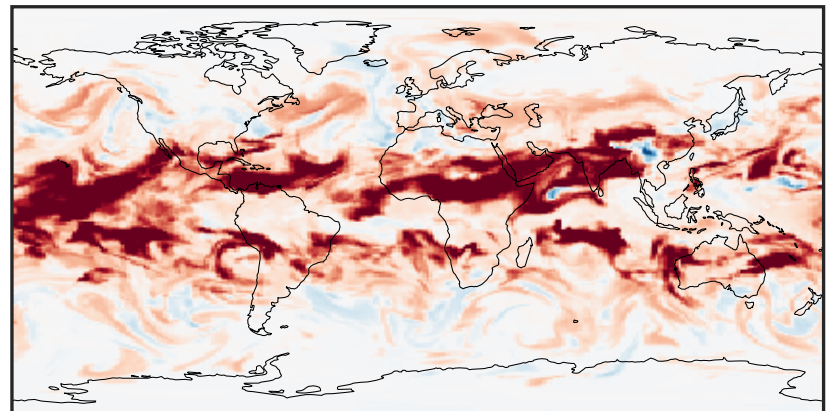
0.0008 0.0016 0.0024
ppb +9.998e1

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



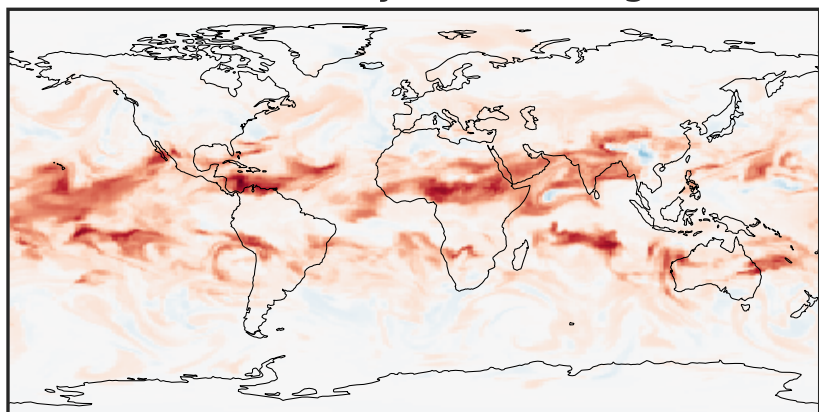
-0.001 0.000 0.001
ppb

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



-0.0005 0.0000 0.0005
ppb

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



0.99998066 1.00000000 1.00001934
unitless

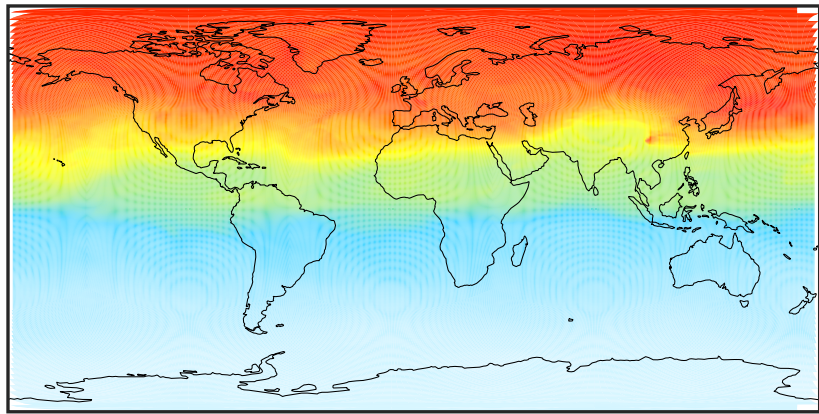
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

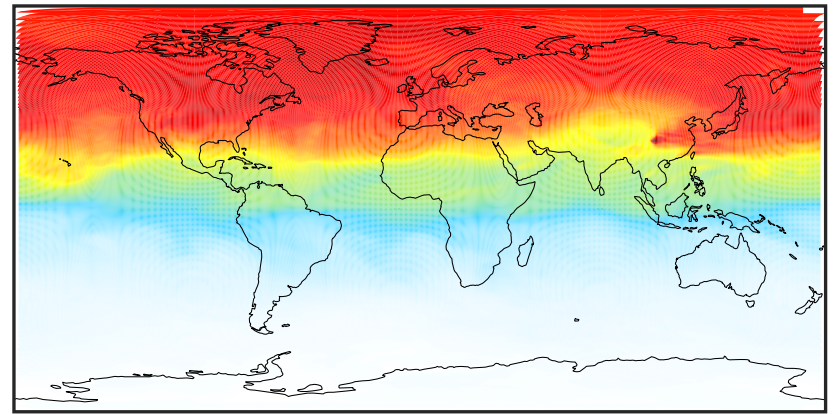
SpeciesConcVV_SF6 (Apr2019)

GCHP 14.2.2 using wind (Ref)
c180



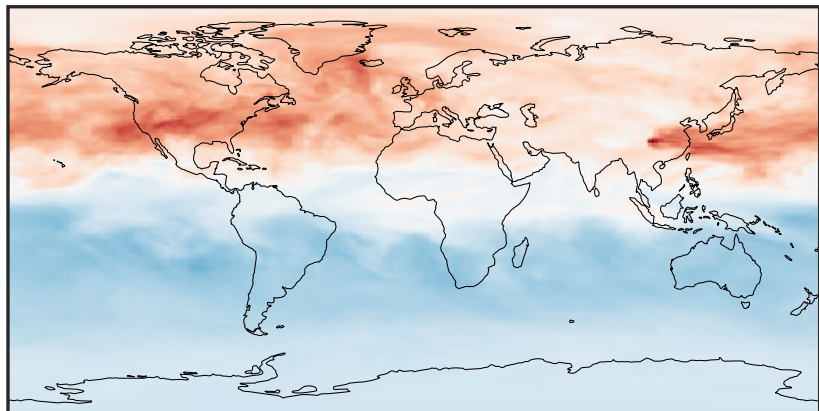
0.00255 0.00270 0.00285 0.00300
ppb

GCHP 14.2.2 using mass flux (Dev)
c180



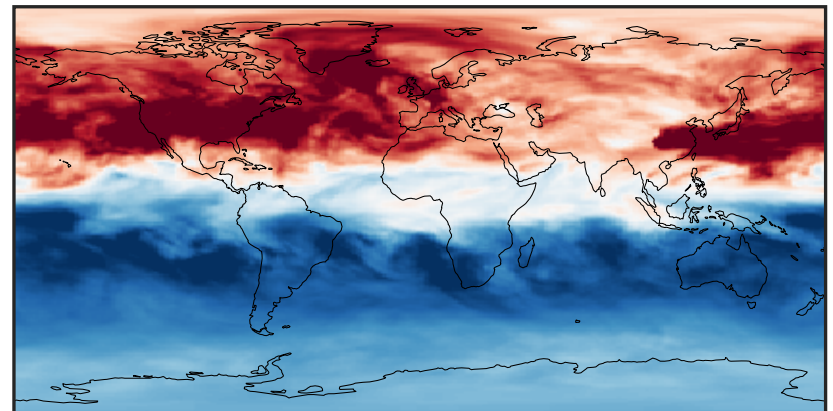
0.00255 0.00270 0.00285 0.00300
ppb

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



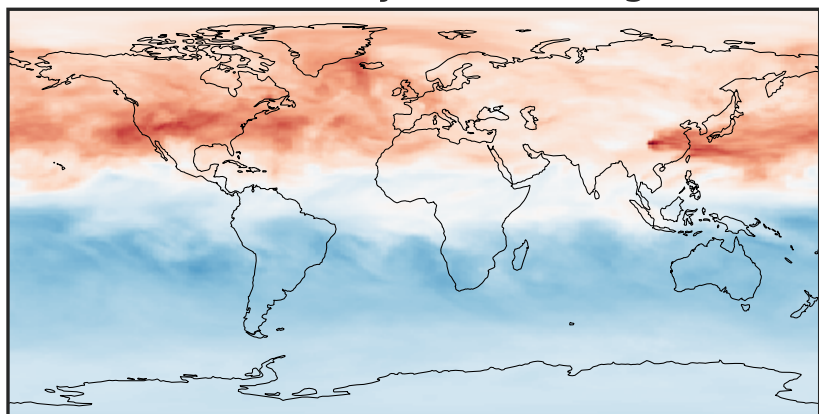
-8 0 8
ppb $1e-5$

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



-3 0 3
ppb $1e-5$

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



0.9477 0.9738 1.0000 1.0276 1.0552
unitless

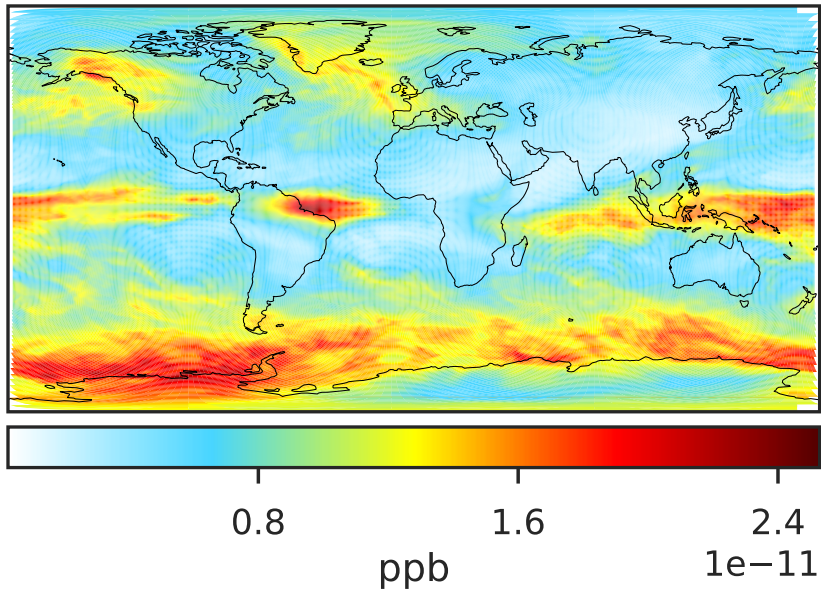
Ratio (1x1.25)
Dev/Ref, Fixed Range



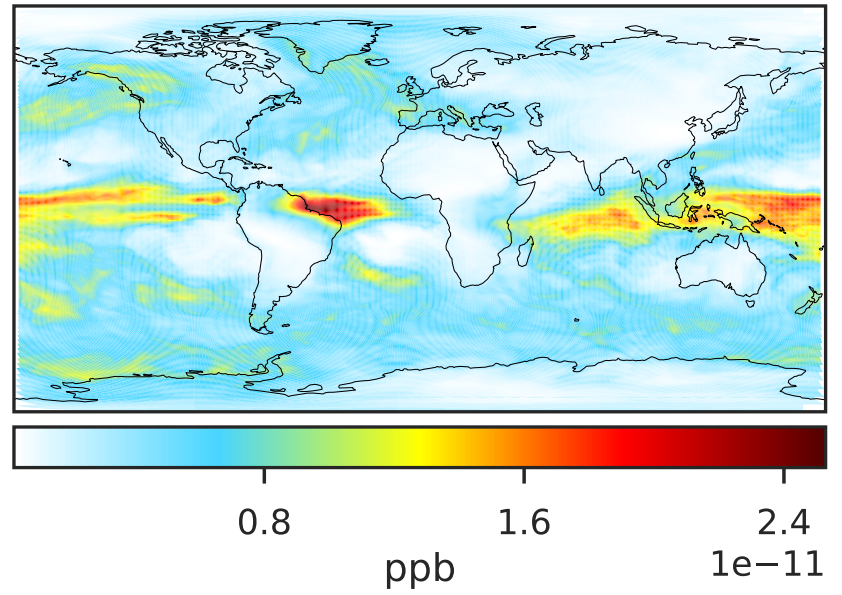
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_CH3I (Apr2019)

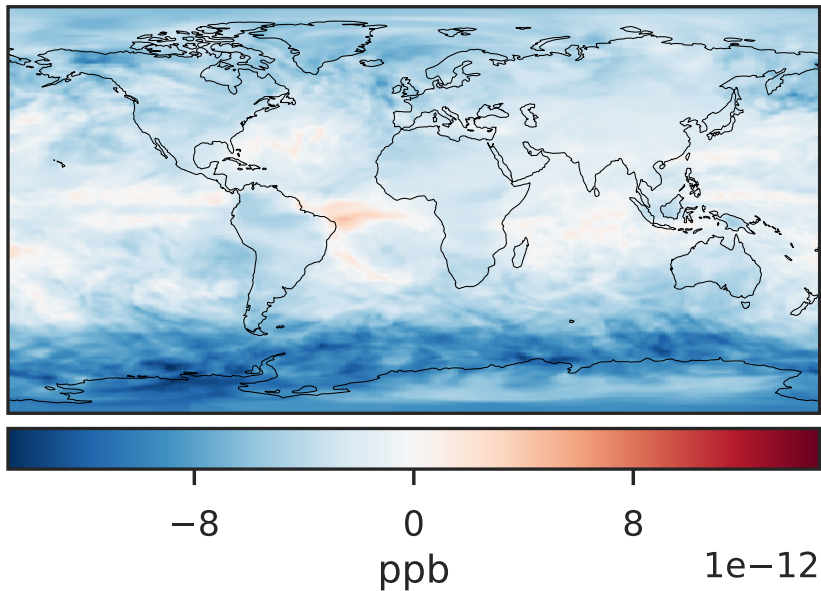
GCHP 14.2.2 using wind (Ref)
c180



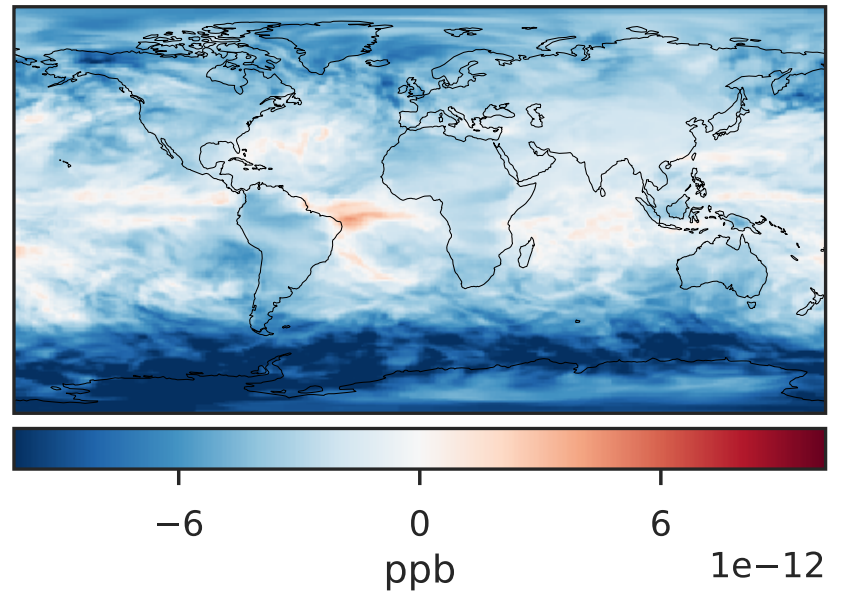
GCHP 14.2.2 using mass flux (Dev)
c180



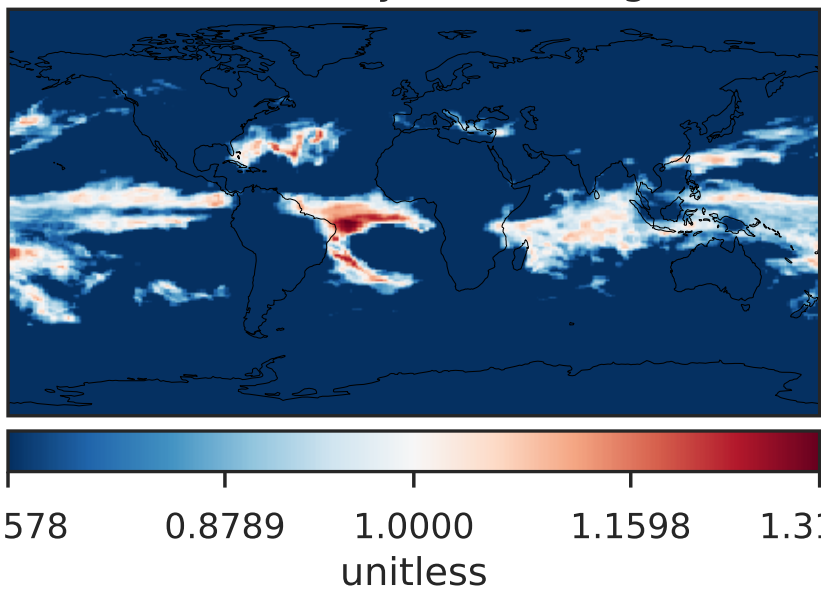
Difference (1x1.25)
Dev - Ref, Dynamic Range



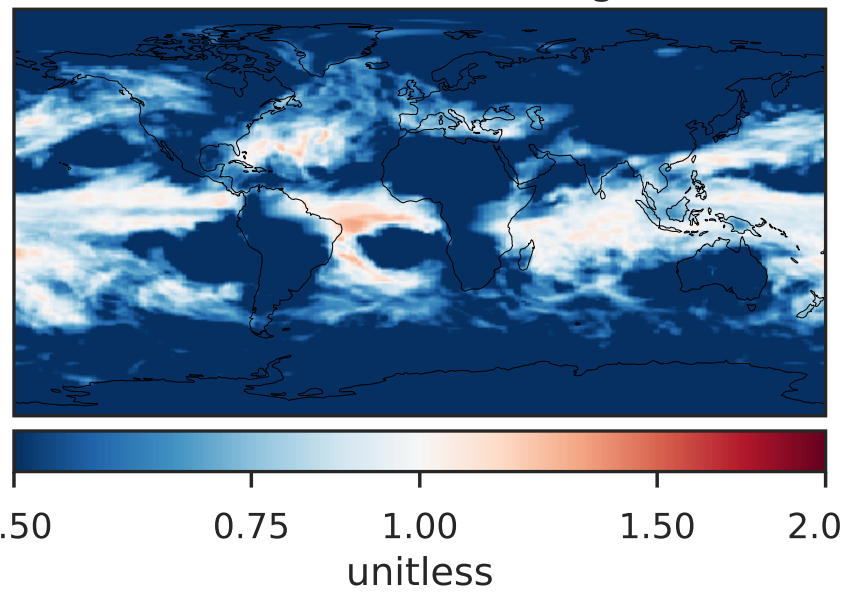
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

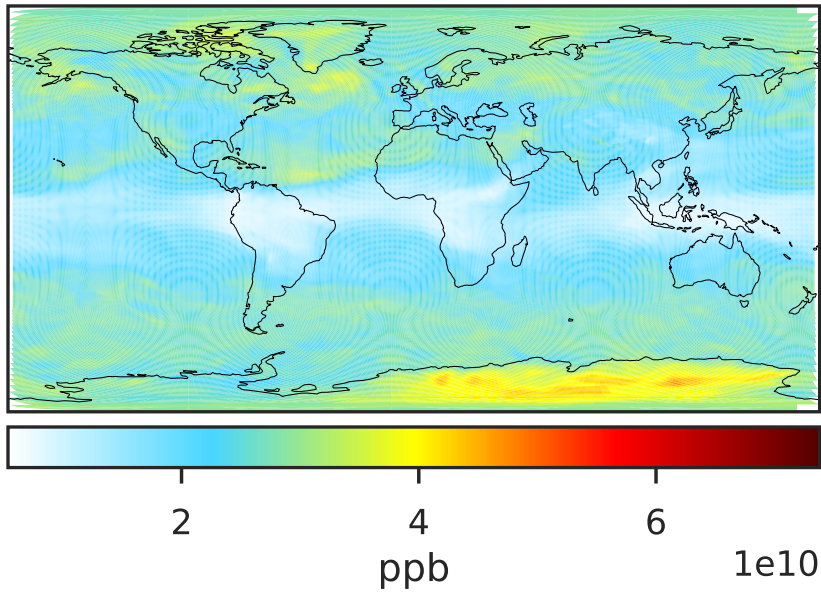


Ratio (1x1.25)
Dev/Ref, Fixed Range

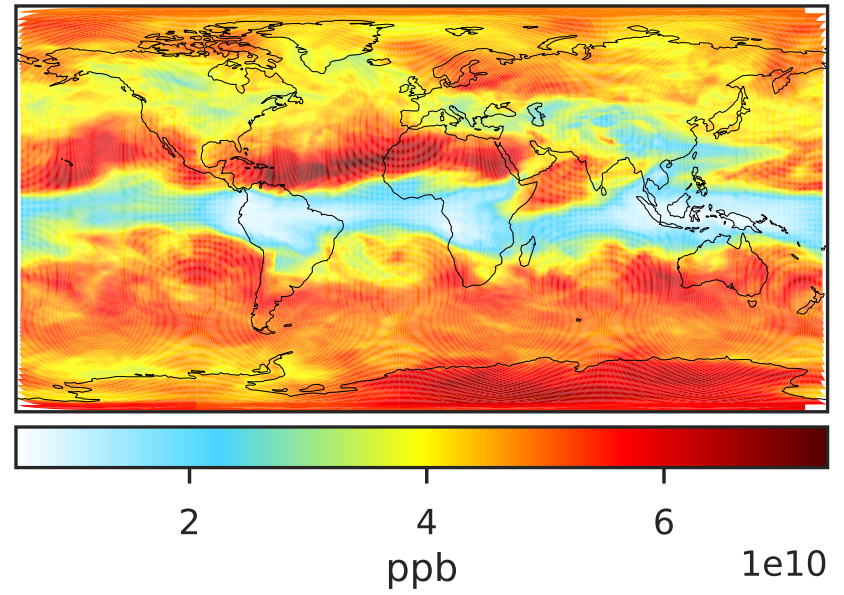


SpeciesConcVV_aoa (Apr2019)

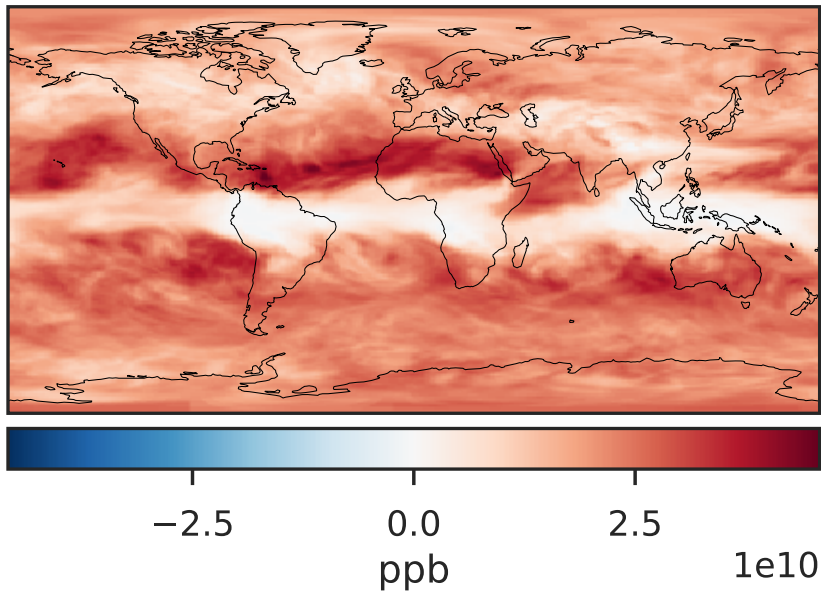
GCHP 14.2.2 using wind (Ref)
c180



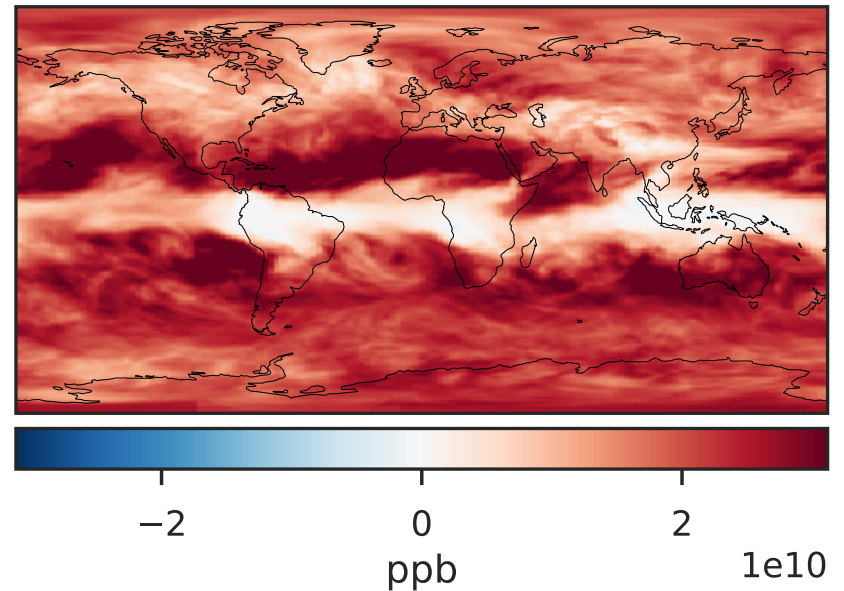
GCHP 14.2.2 using mass flux (Dev)
c180



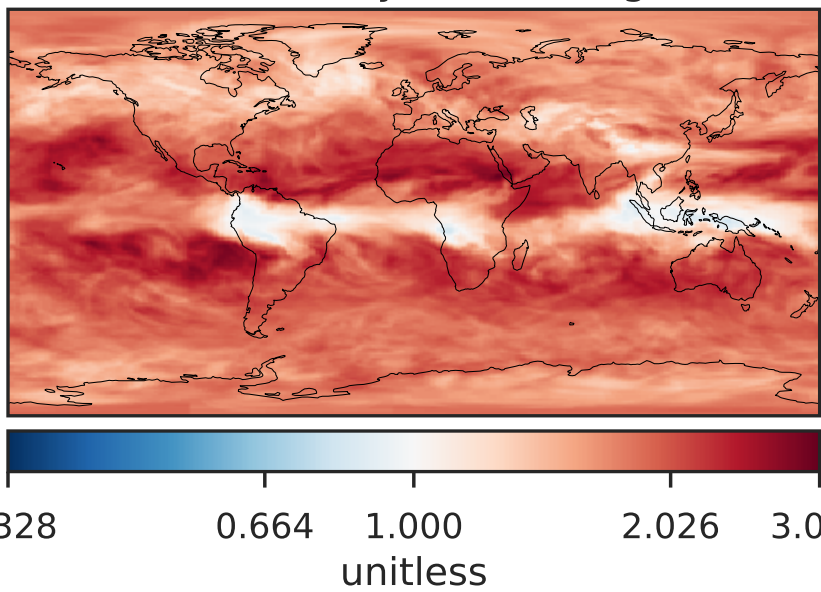
Difference (1x1.25)
Dev - Ref, Dynamic Range



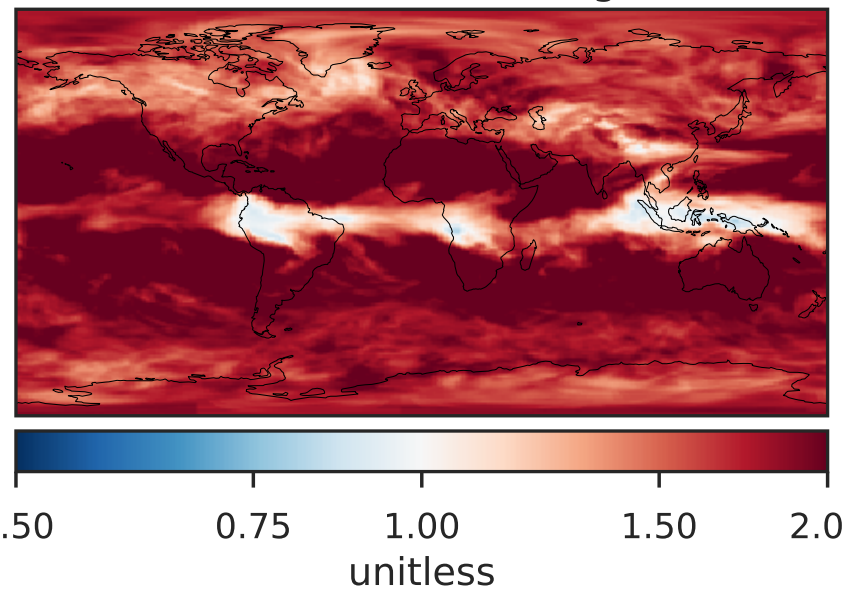
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

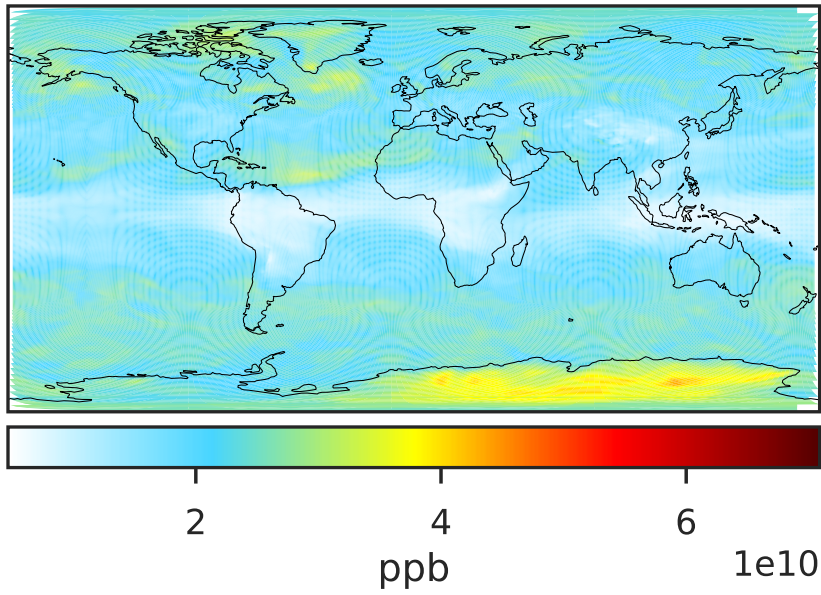


Ratio (1x1.25)
Dev/Ref, Fixed Range

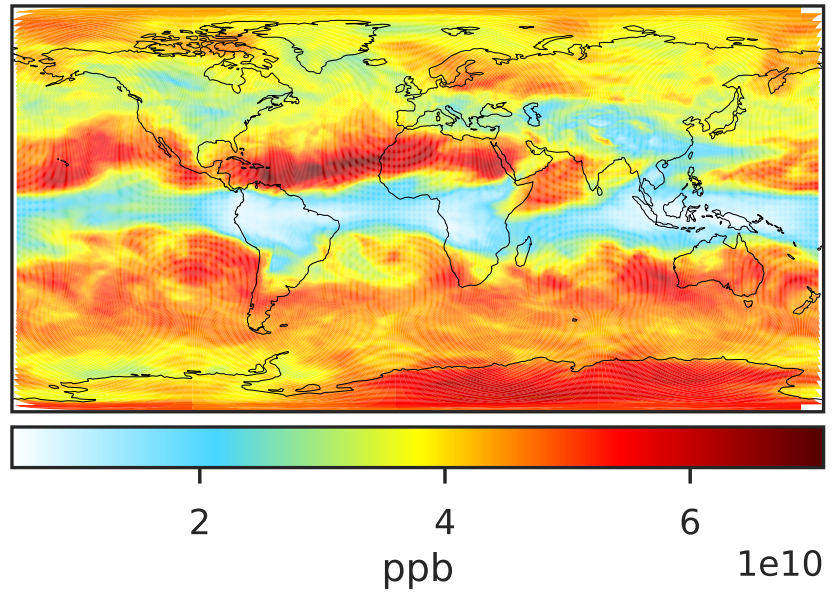


SpeciesConcVV_aoa_bl (Apr2019)

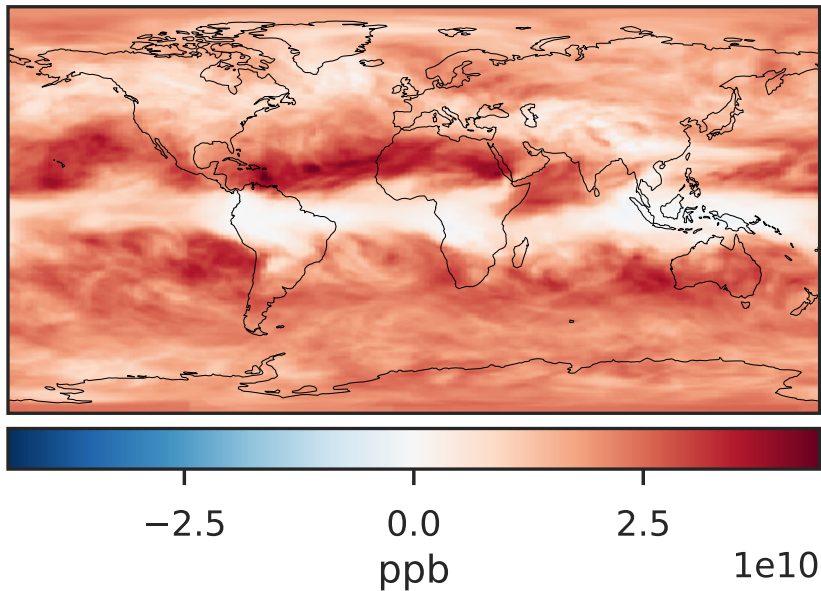
GCHP 14.2.2 using wind (Ref)
c180



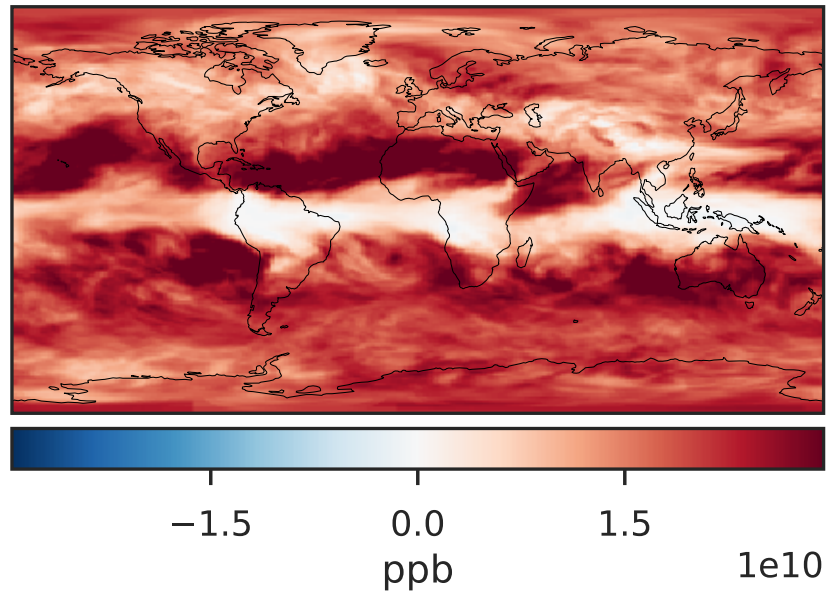
GCHP 14.2.2 using mass flux (Dev)
c180



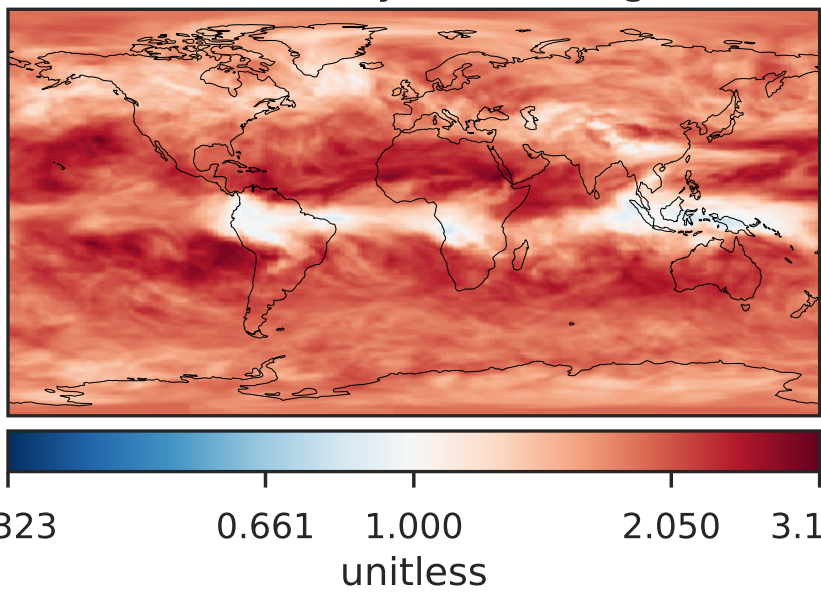
Difference (1x1.25)
Dev - Ref, Dynamic Range



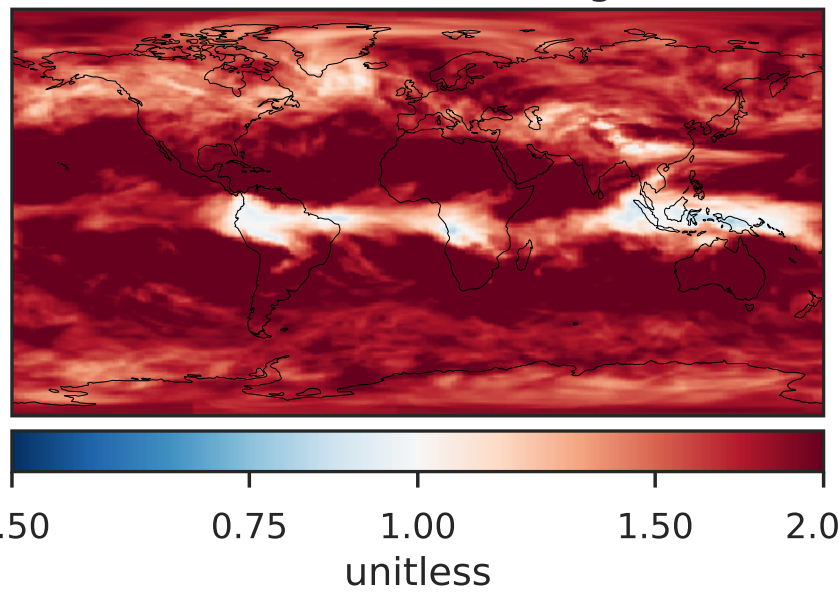
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

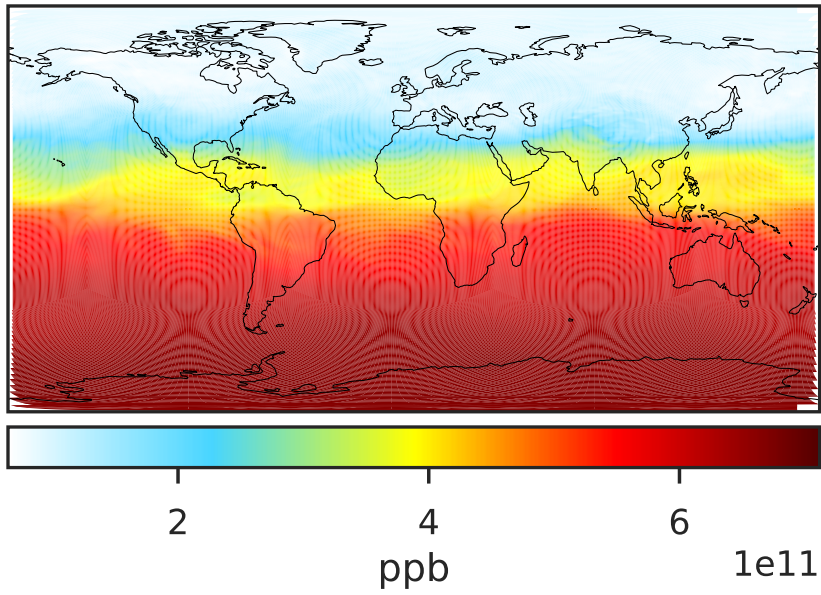


Ratio (1x1.25)
Dev/Ref, Fixed Range

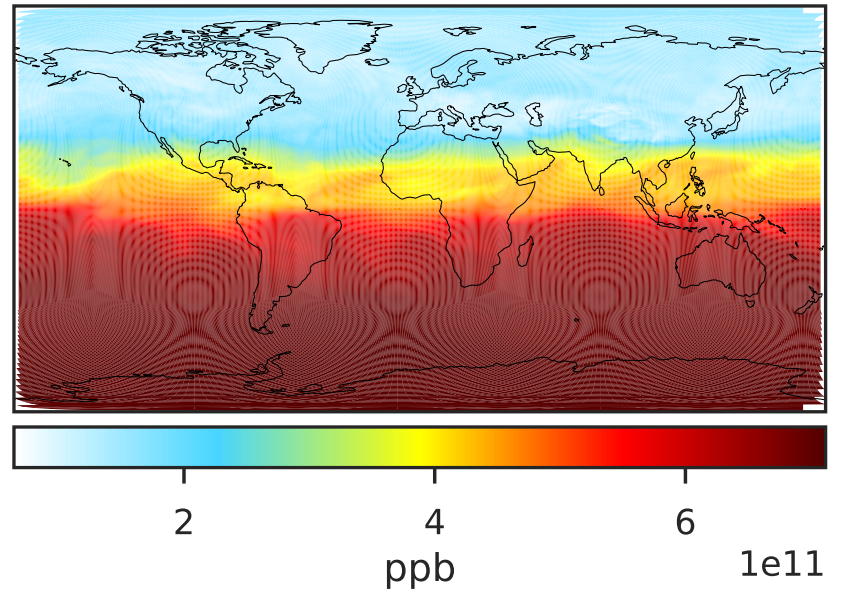


SpeciesConcVV_aoa_nh (Apr2019)

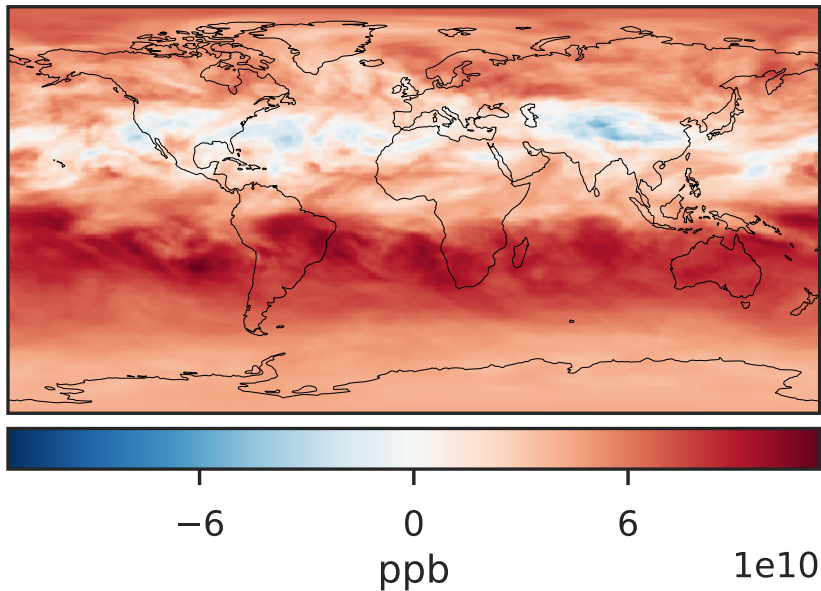
GCHP 14.2.2 using wind (Ref)
c180



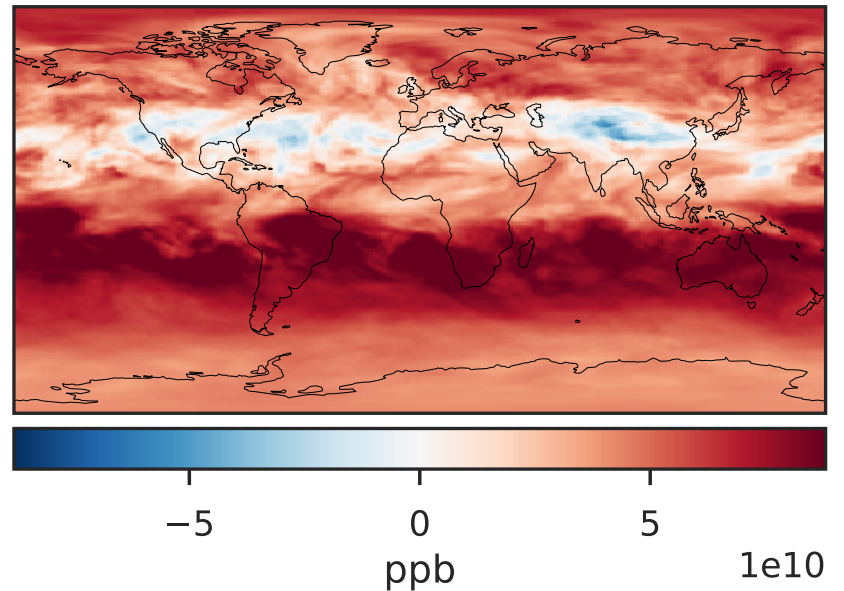
GCHP 14.2.2 using mass flux (Dev)
c180



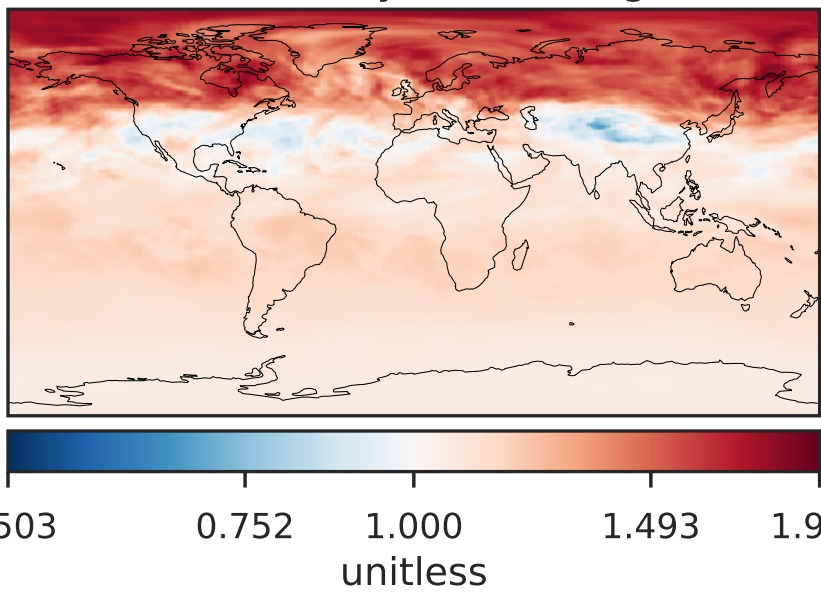
Difference (1x1.25)
Dev - Ref, Dynamic Range



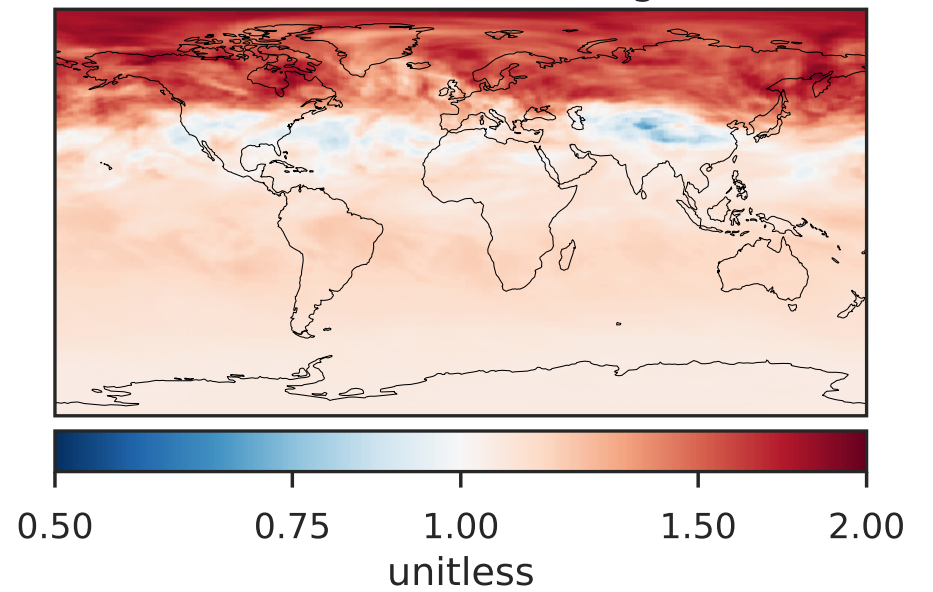
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

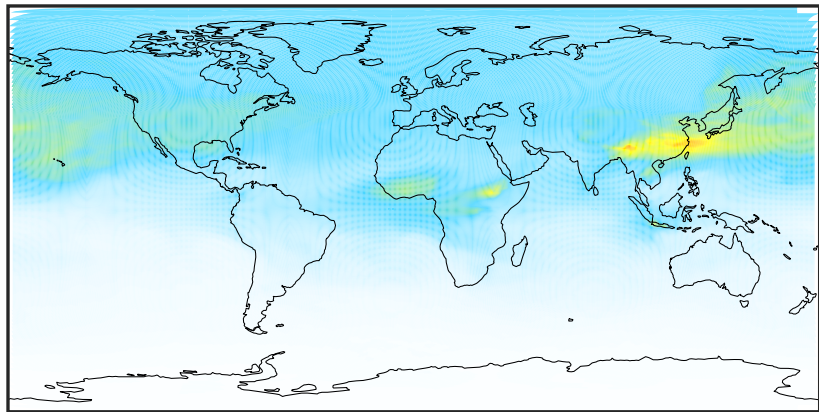


Ratio (1x1.25)
Dev/Ref, Fixed Range



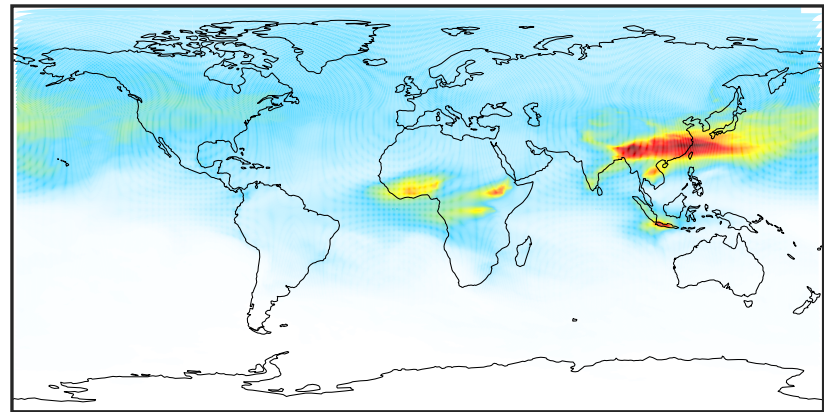
SpeciesConcVV_CO_25 (Apr2019)

GCHP 14.2.2 using wind (Ref)
c180



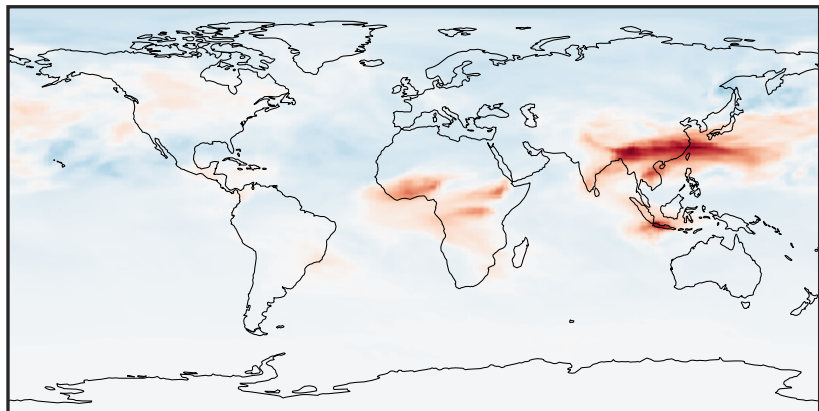
0.33 15.02 29.70 44.39 59.07
ppb

GCHP 14.2.2 using mass flux (Dev)
c180



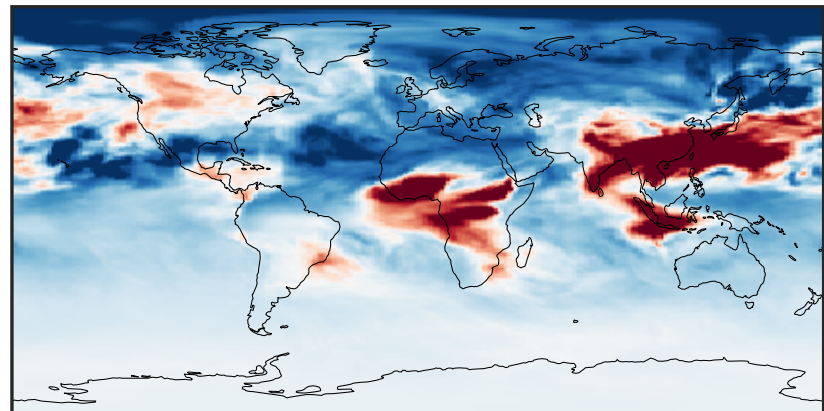
0.33 15.02 29.70 44.39 59.07
ppb

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



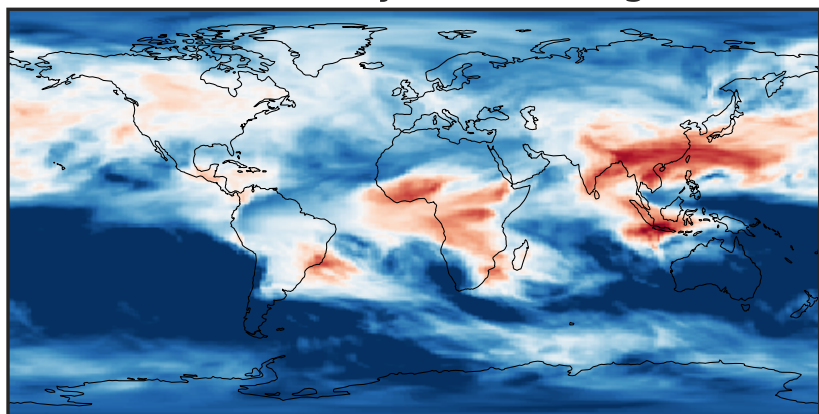
-24.48 -12.24 0.00 12.24 24.48
ppb

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



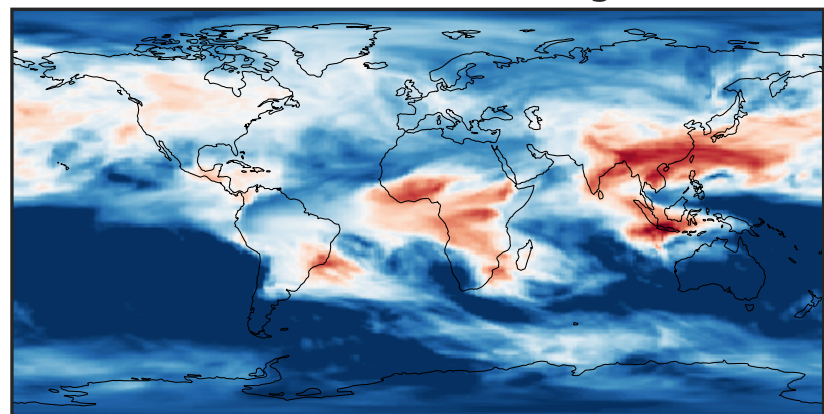
-4.982 -2.491 0.000 2.491 4.982
ppb

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



0.486 0.743 1.000 1.528 2.056
unitless

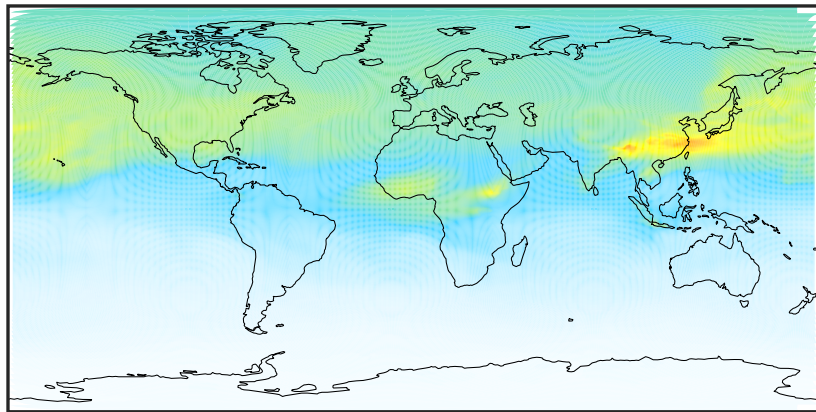
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

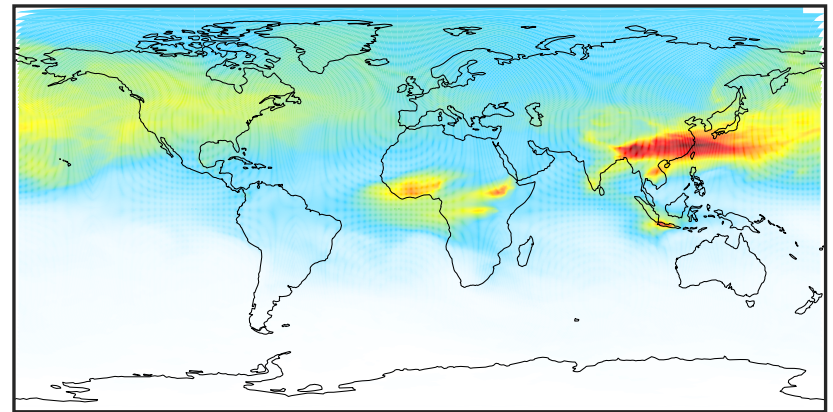
SpeciesConcVV_CO_50 (Apr2019)

GCHP 14.2.2 using wind (Ref)
c180



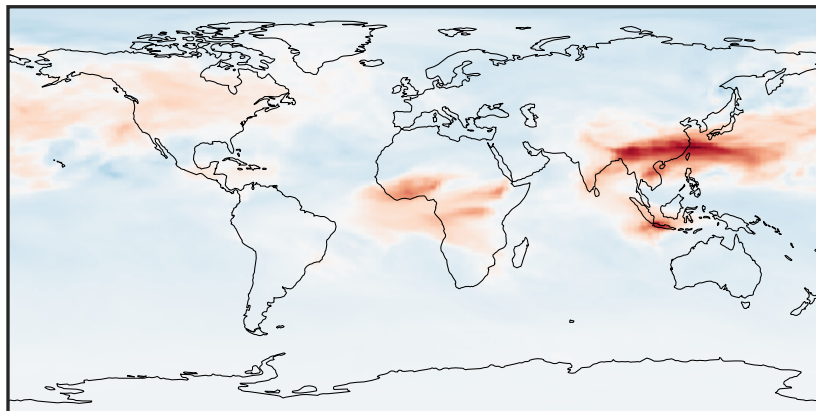
1.91 21.53 41.14 60.76 80.37
ppb

GCHP 14.2.2 using mass flux (Dev)
c180



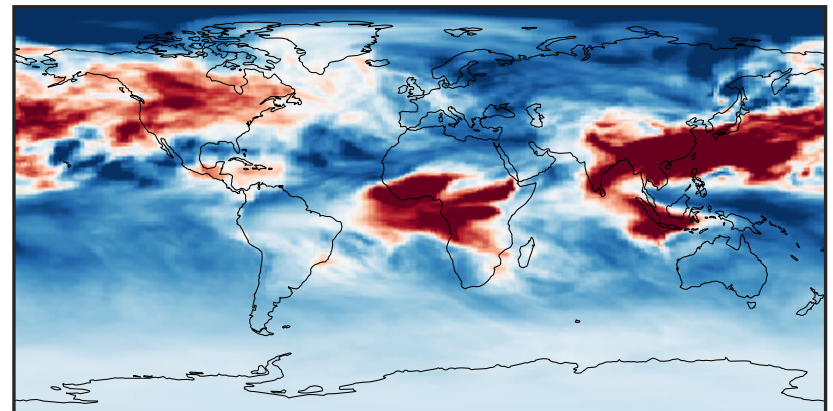
1.91 21.53 41.14 60.76 80.37
ppb

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



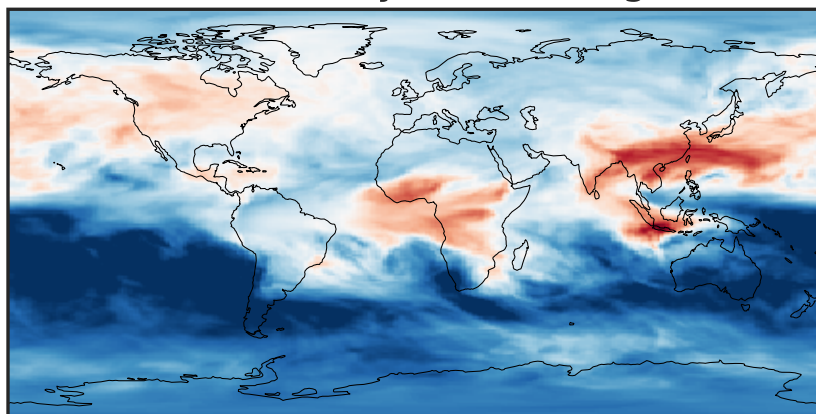
-31.06 -15.53 0.00 15.53 31.06
ppb

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



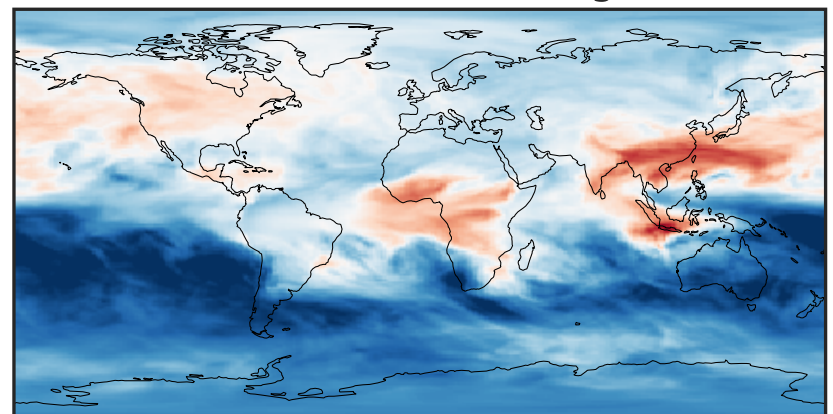
-5.94 -2.97 0.00 2.97 5.94
ppb

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



0.533 0.766 1.000 1.439 1.877
unitless

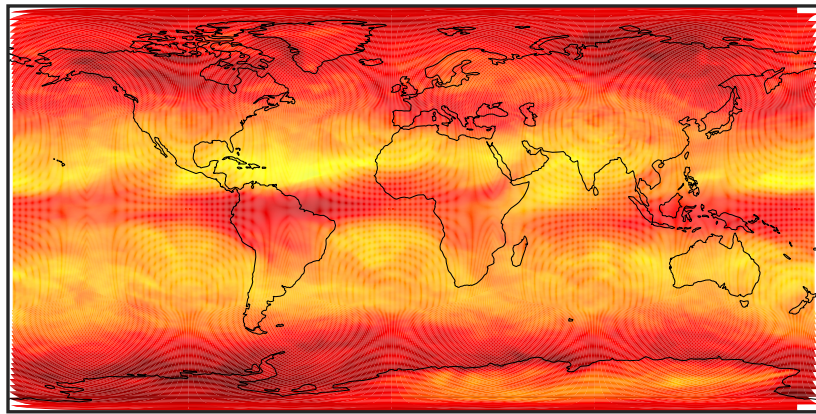
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

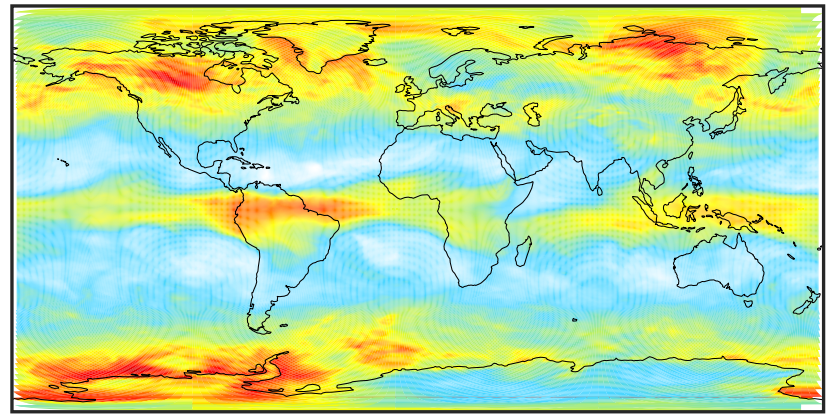
SpeciesConcVV_e90 (Apr2019)

GCHP 14.2.2 using wind (Ref)
c180



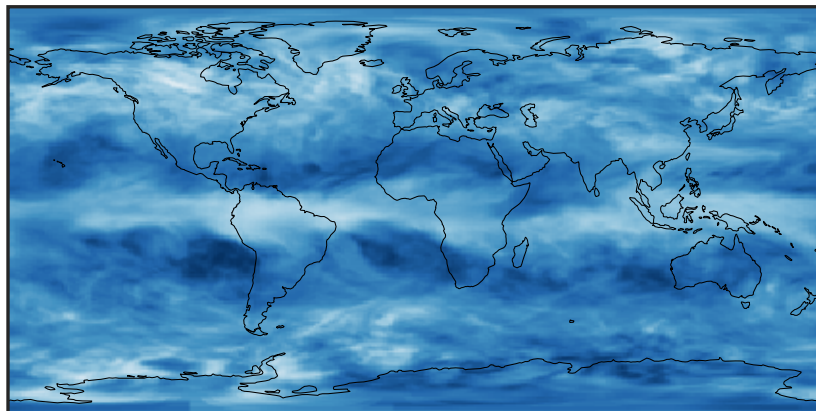
45.75 55.55 65.34 75.13 84.93
ppb

GCHP 14.2.2 using mass flux (Dev)
c180



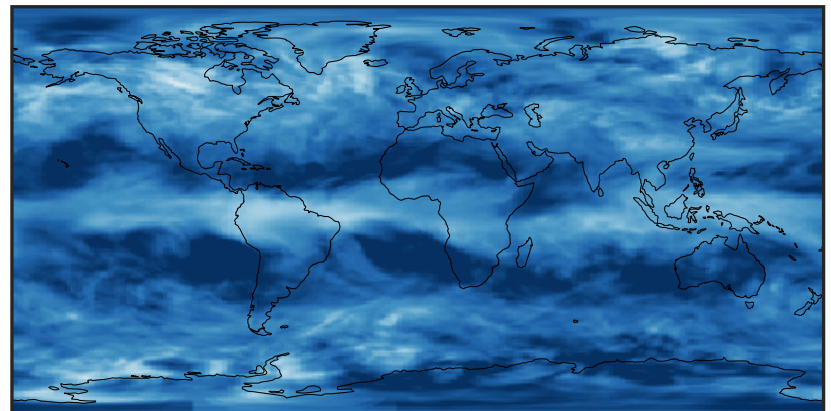
45.75 55.55 65.34 75.13 84.93
ppb

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



-20.92 -10.46 0.00 10.46 20.92
ppb

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



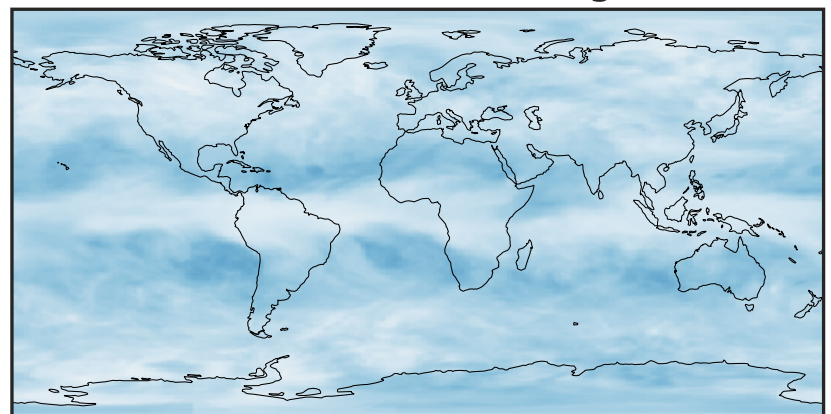
-17.55 -8.78 0.00 8.78 17.55
ppb

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



0.96915 0.98457 1.00000 1.01592 1.03183
unitless

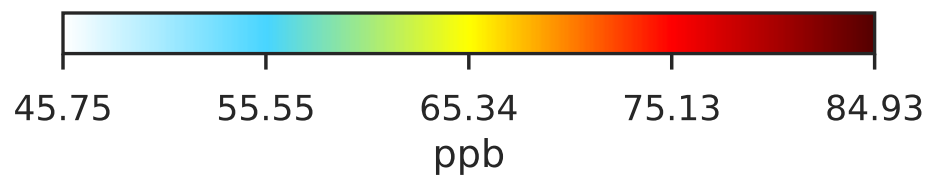
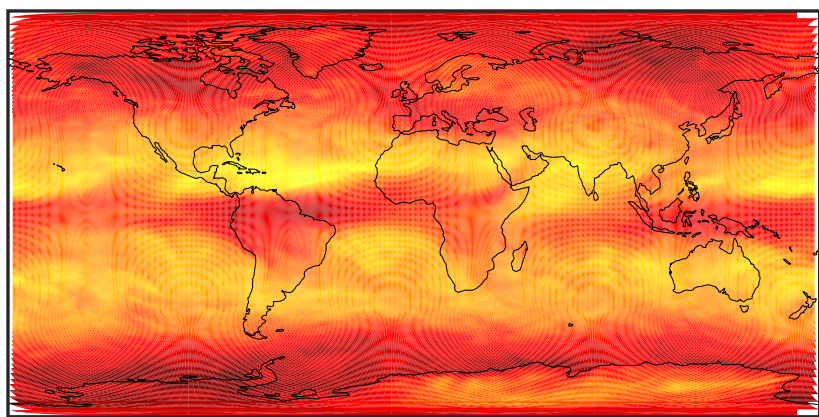
Ratio (1x1.25)
Dev/Ref, Fixed Range



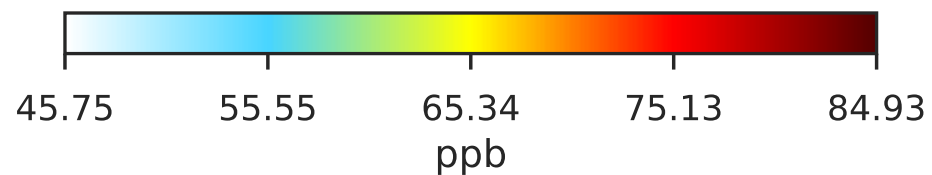
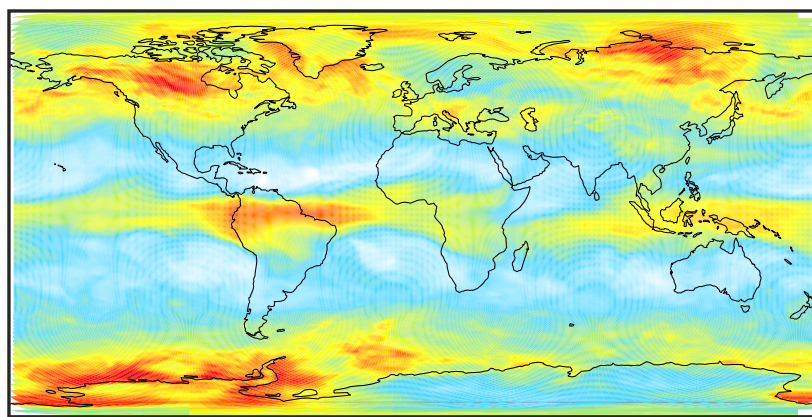
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_e90_n (Apr2019)

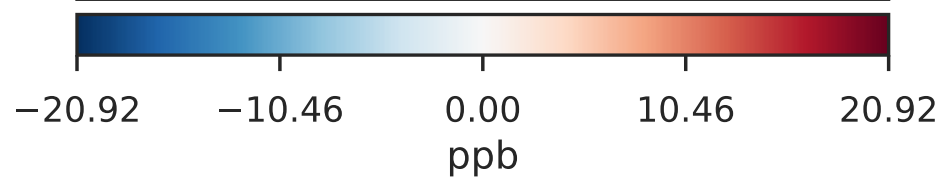
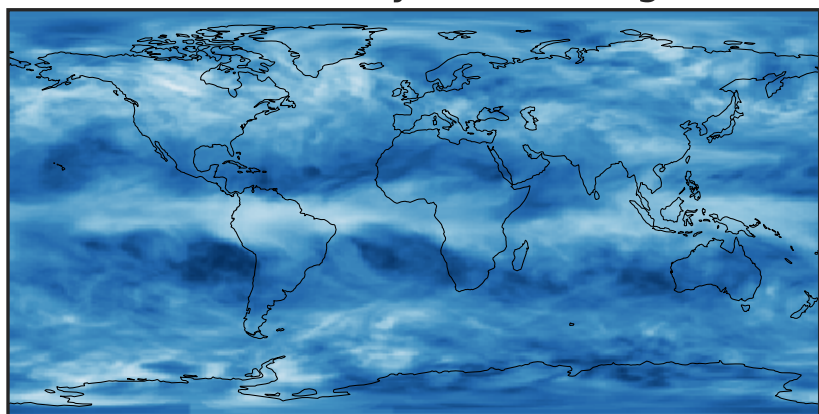
GCHP 14.2.2 using wind (Ref)
c180



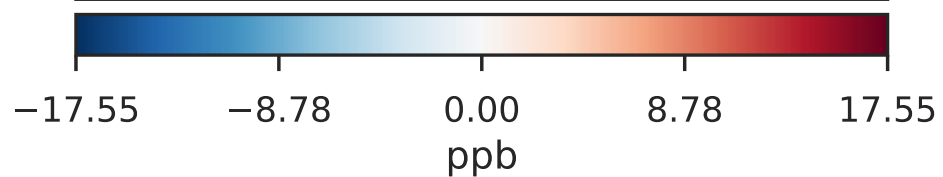
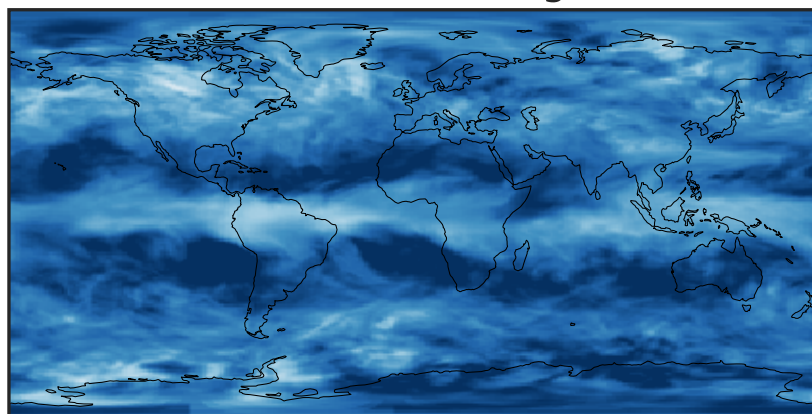
GCHP 14.2.2 using mass flux (Dev)
c180



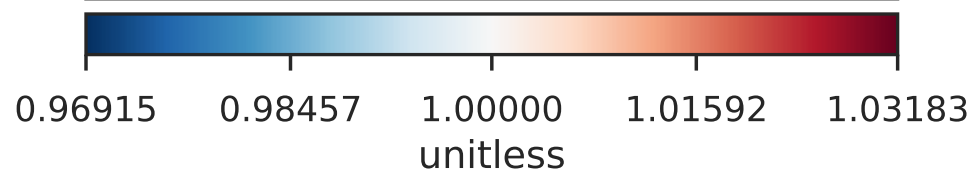
Difference (1x1.25)
Dev - Ref, Dynamic Range



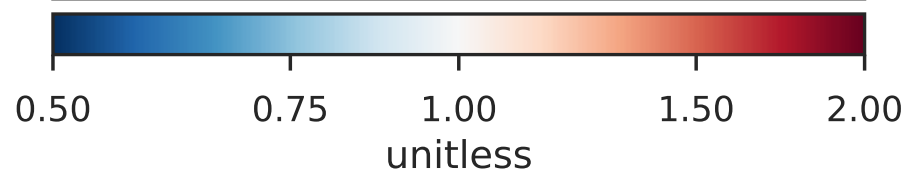
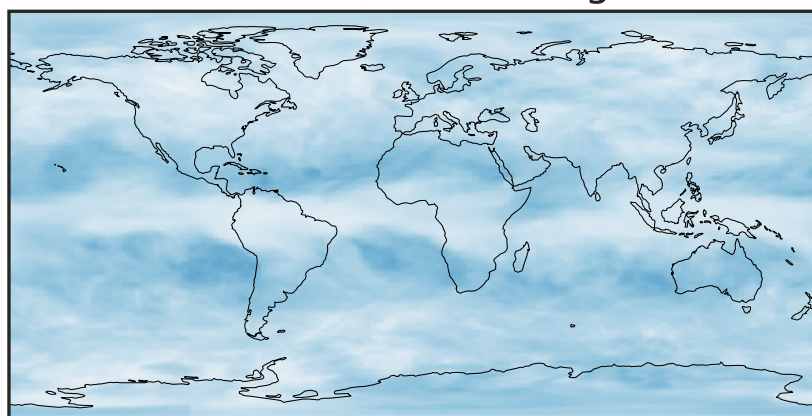
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

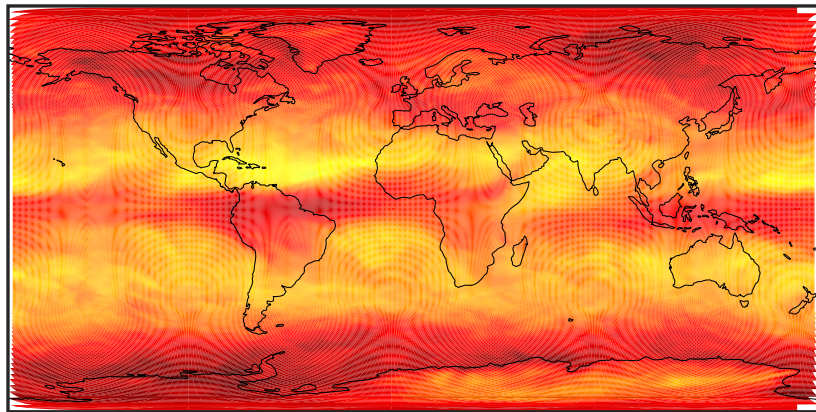


Ratio (1x1.25)
Dev/Ref, Fixed Range



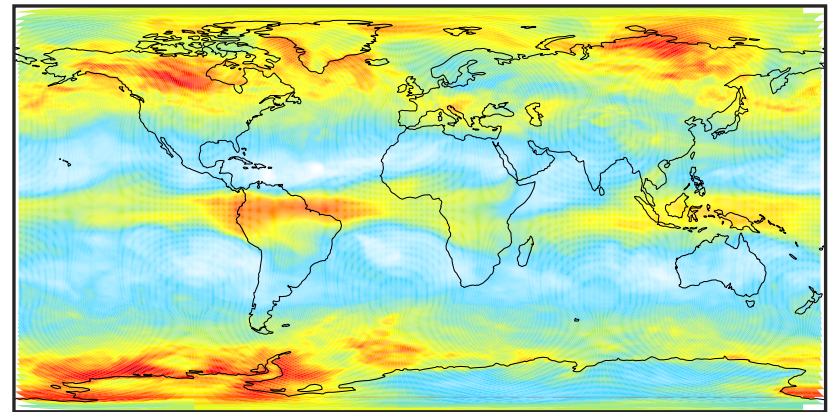
SpeciesConcVV_e90_s (Apr2019)

GCHP 14.2.2 using wind (Ref)
c180



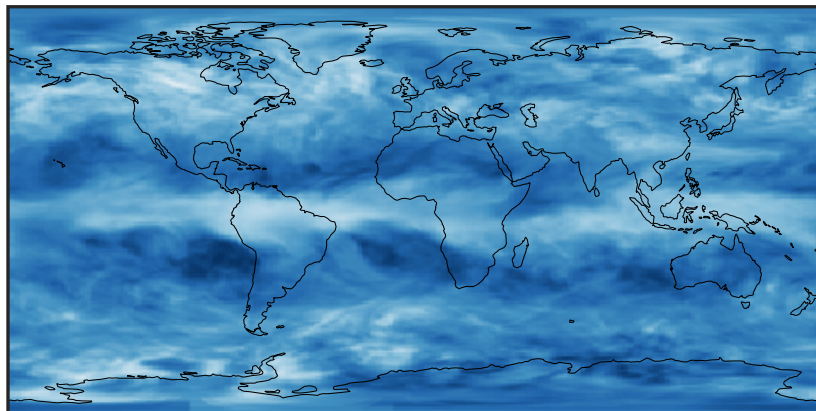
45.75 55.55 65.34 75.13 84.93
ppb

GCHP 14.2.2 using mass flux (Dev)
c180



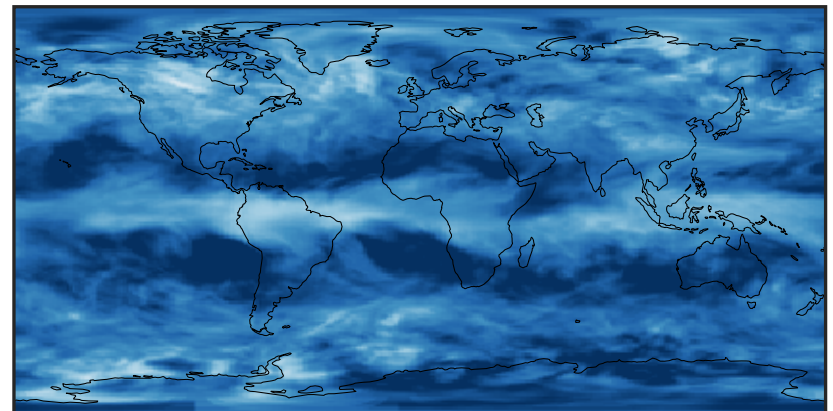
45.75 55.55 65.34 75.13 84.93
ppb

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



-20.92 -10.46 0.00 10.46 20.92
ppb

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



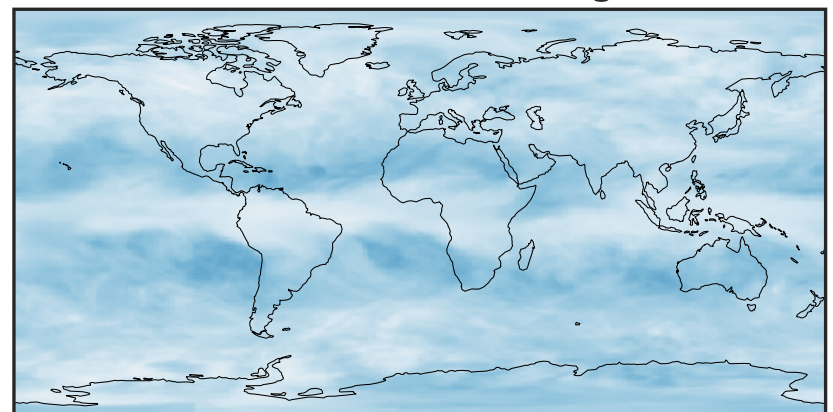
-17.55 -8.78 0.00 8.78 17.55
ppb

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



0.96915 0.98457 1.00000 1.01592 1.03183
unitless

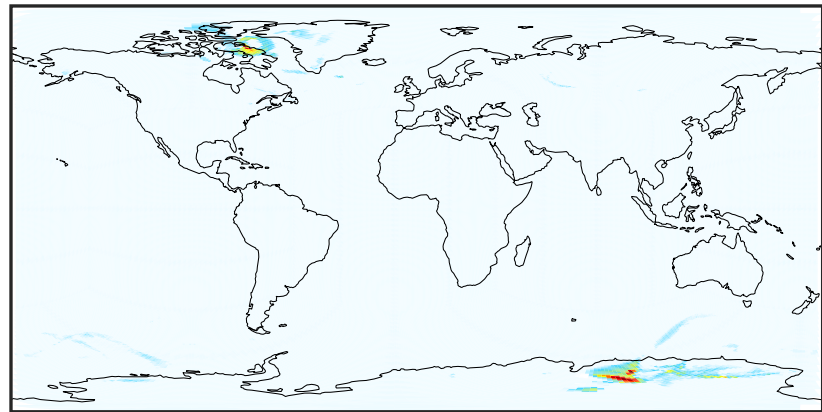
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

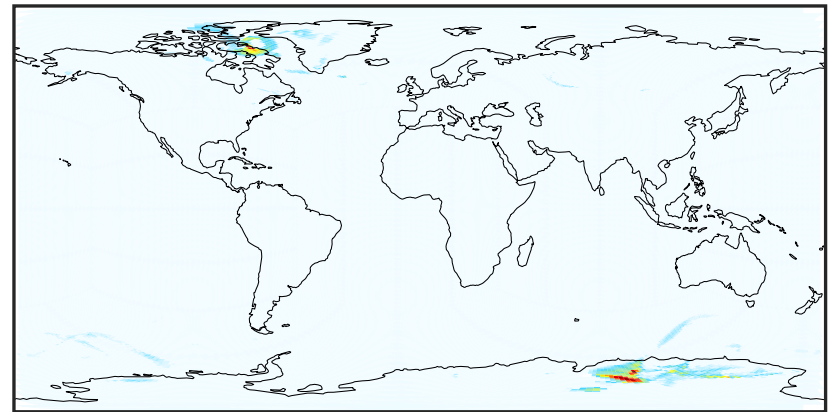
SpeciesConcVV_st80_25 (Apr2019)

GCHP 14.2.2 using wind (Ref)
c180



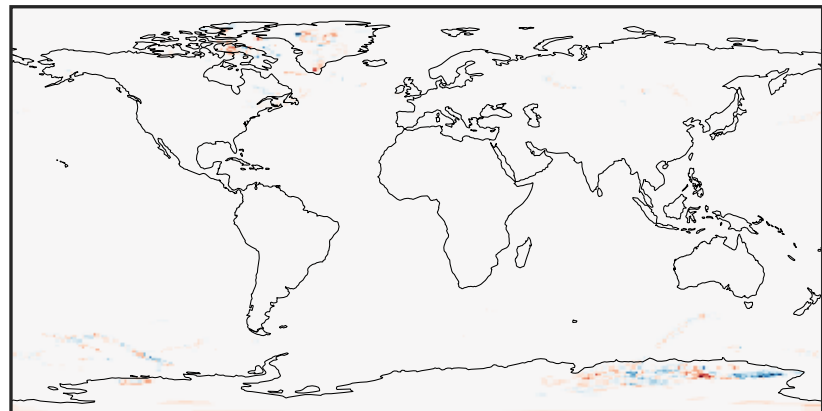
0.0865 0.0880 0.0895 0.0910
ppb +1.998e2

GCHP 14.2.2 using mass flux (Dev)
c180



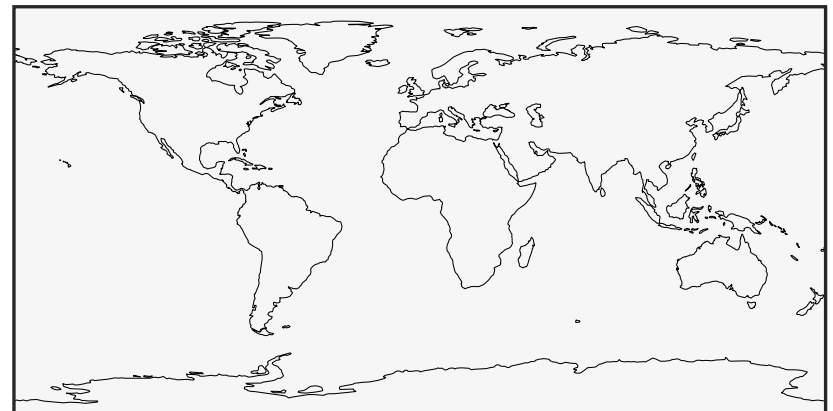
0.0865 0.0880 0.0895 0.0910
ppb +1.998e2

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



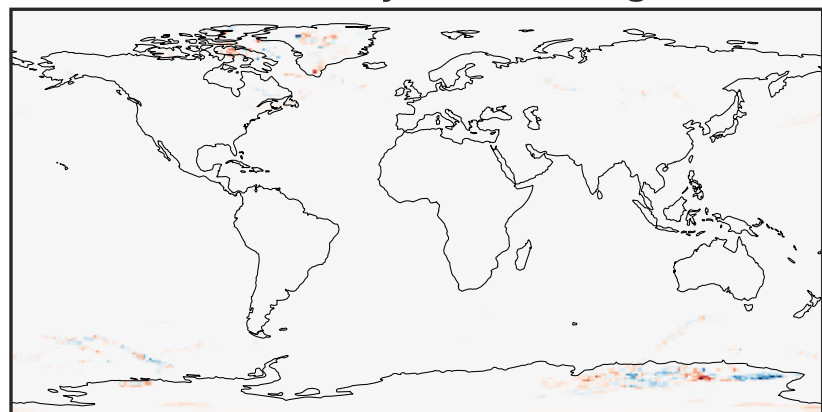
-5 0 5
ppb 1e-5

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



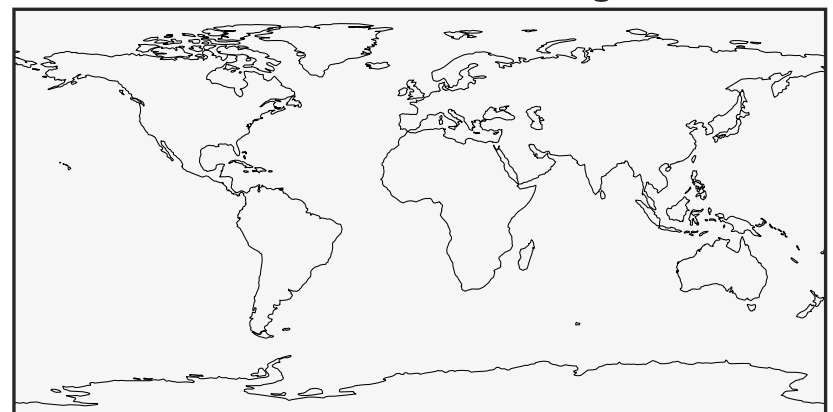
-1.0 -0.5 0.0 0.5 1.0
ppb

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



0.9999995305 1.000000000 1.00000046950.50
unitless

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



0.75 1.00 1.50 2.00
unitless