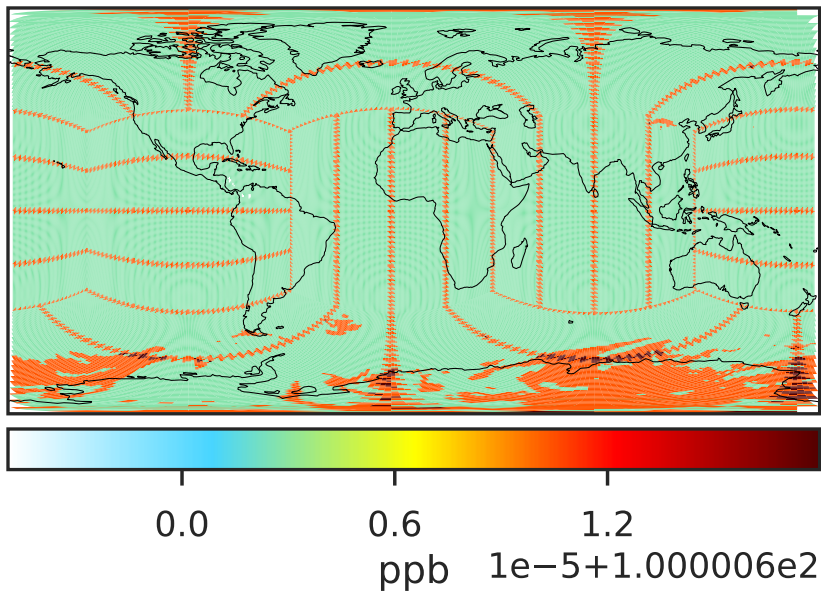
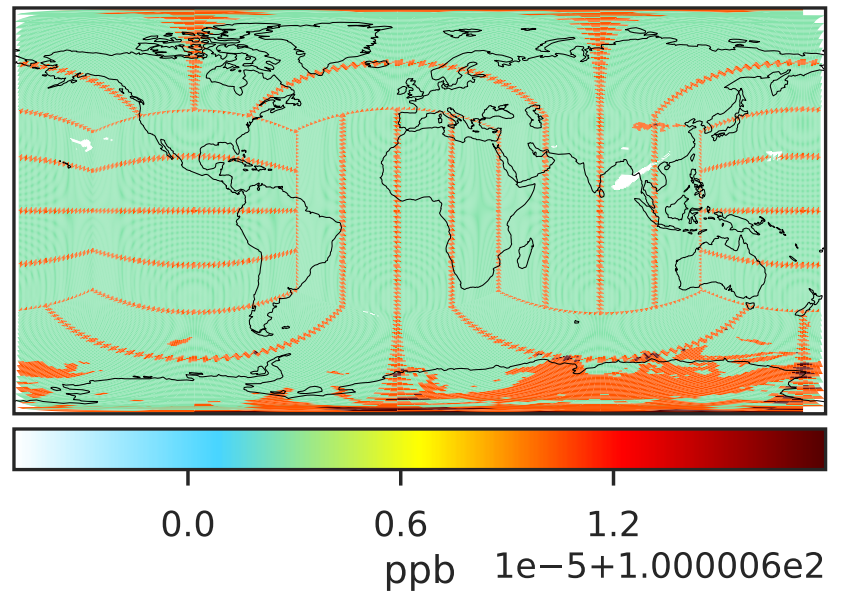


# SpeciesConcVV\_PassiveTracer (Jan2019)

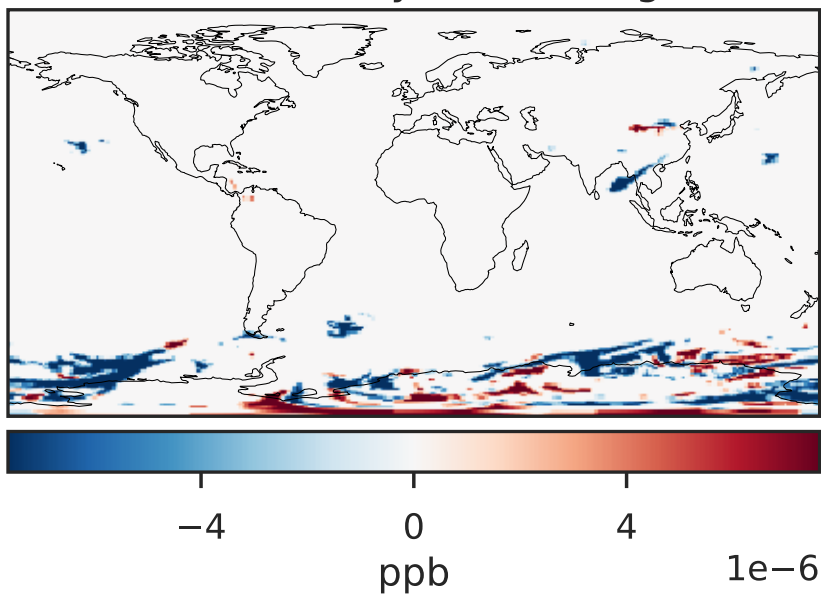
GCHP 14.2.2 using wind (Ref)  
c180



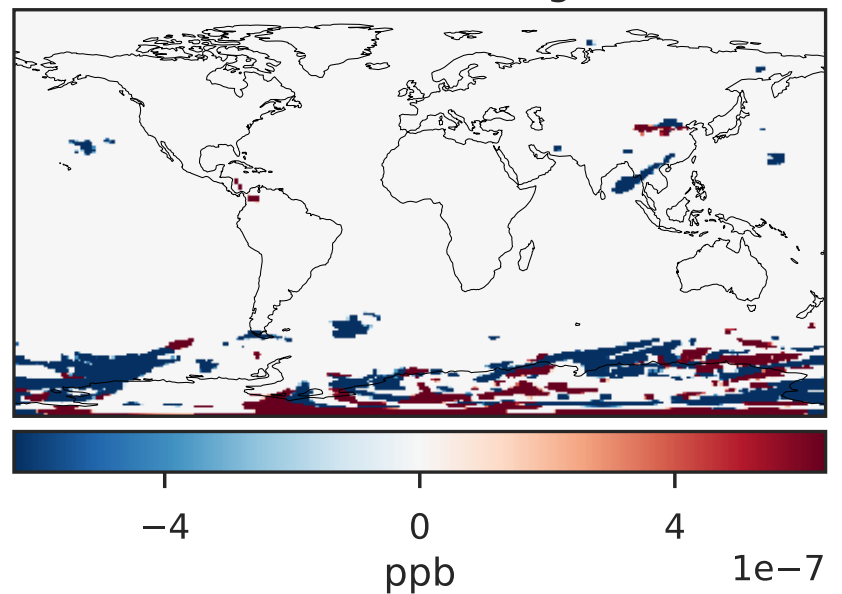
GCHP 14.2.2 using mass flux (Dev)  
c180



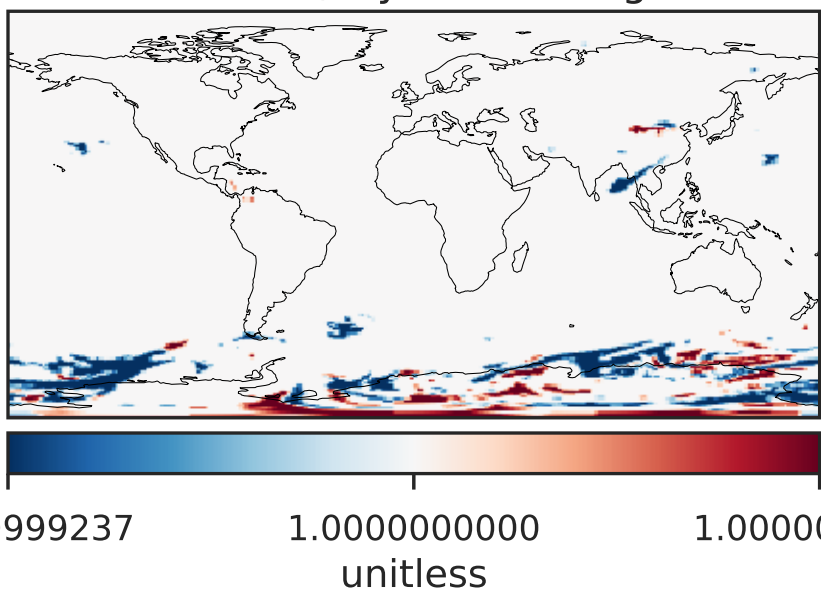
Difference (1x1.25)  
Dev - Ref, Dynamic Range



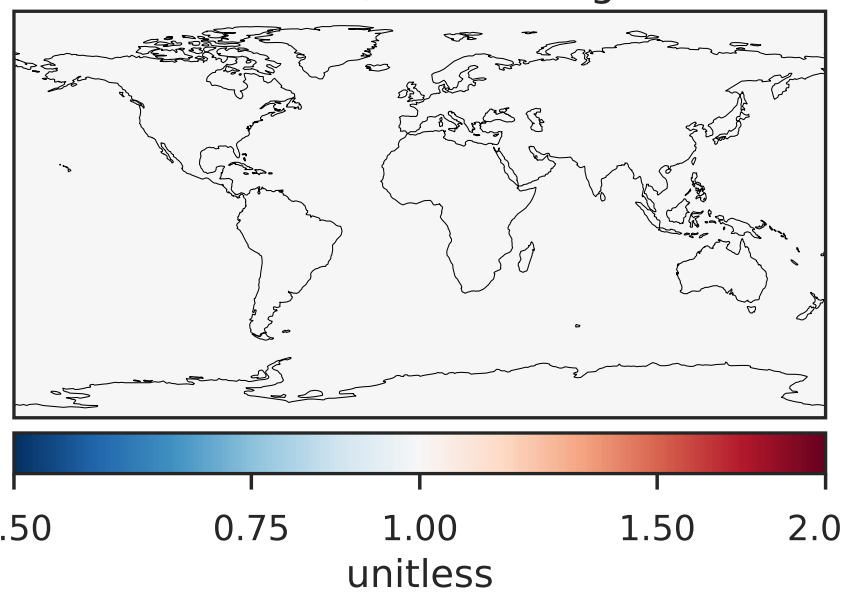
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



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



0.9999999237

1.000000000

1.0000007630.50

unitless

0.75

1.00

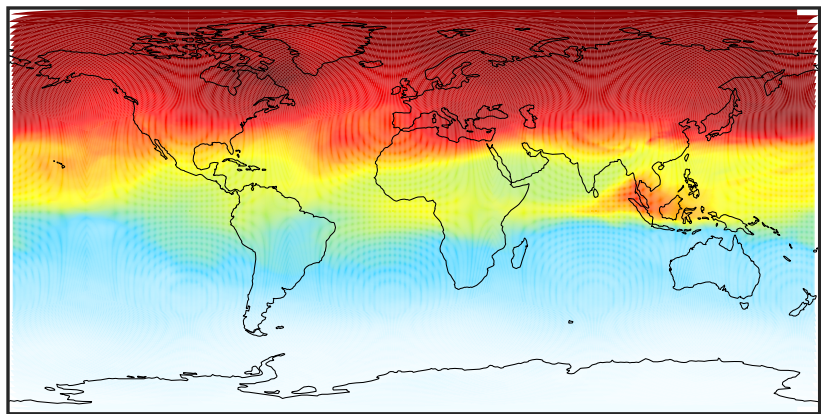
1.50

2.00

unitless

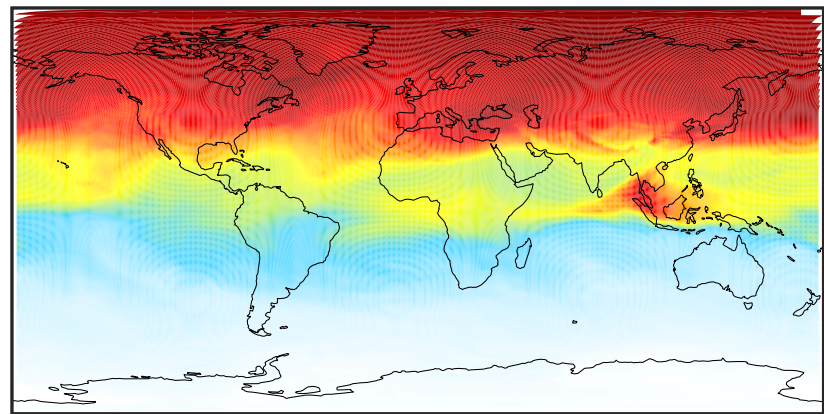
# SpeciesConcVV\_SF6 (Jan2019)

GCHP 14.2.2 using wind (Ref)  
c180



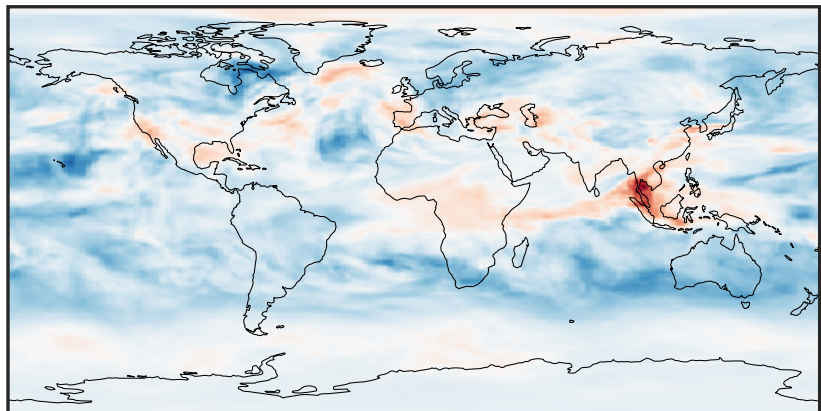
0.0025 0.0026 0.0027 0.0028  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



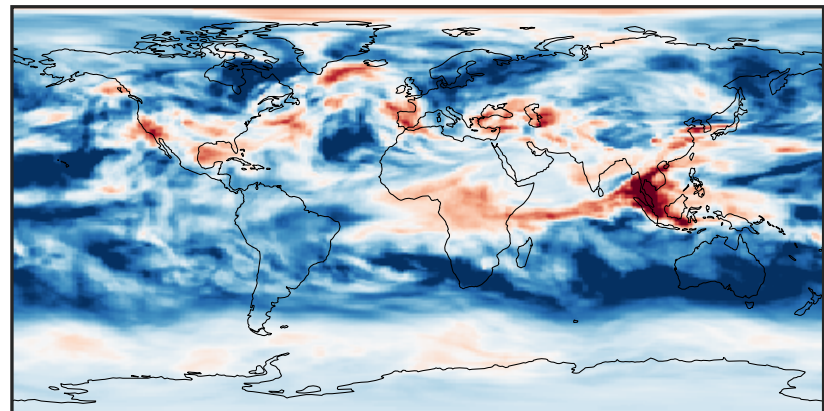
0.0025 0.0026 0.0027 0.0028  
ppb

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



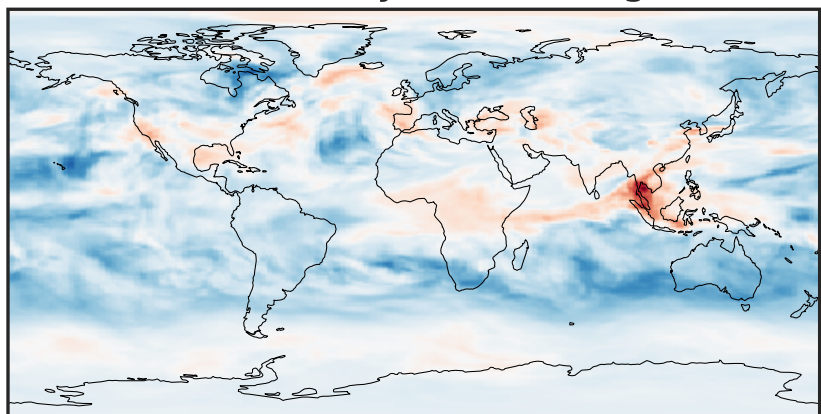
-3 0 3  
ppb  $1e-5$

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



-1.5 0.0 1.5  
ppb  $1e-5$

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



0.97841 0.98921 1.00000 1.01103 1.02207  
unitless

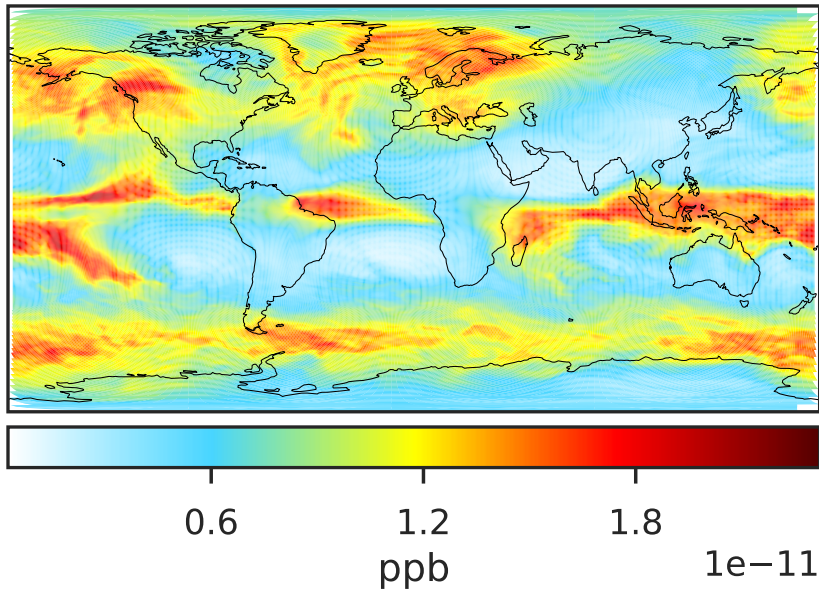
Ratio (1x1.25)  
Dev/Ref, Fixed Range



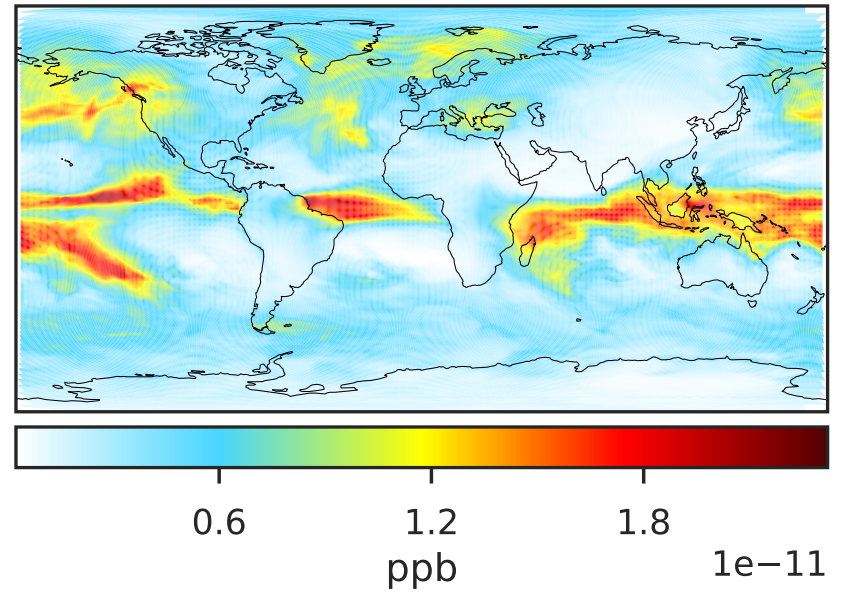
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVW\_CH3I (Jan2019)

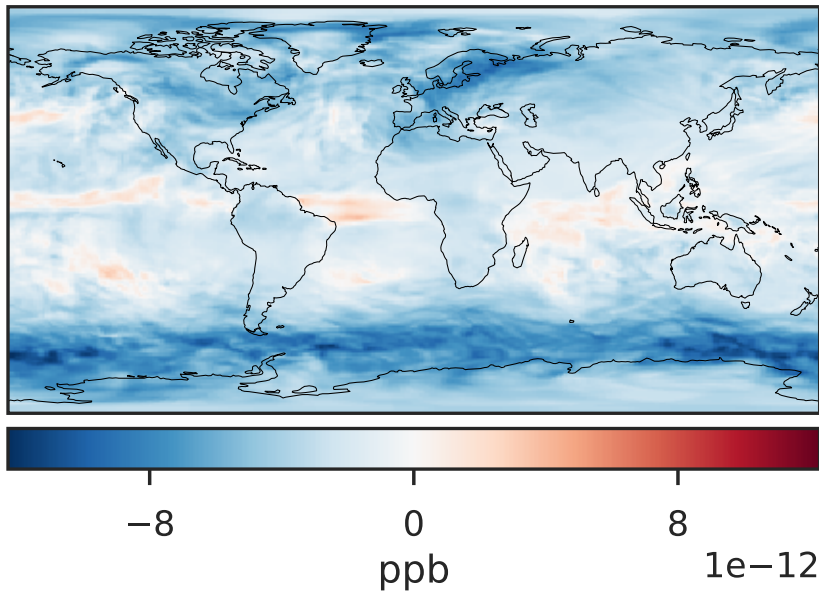
GCHP 14.2.2 using wind (Ref)  
c180



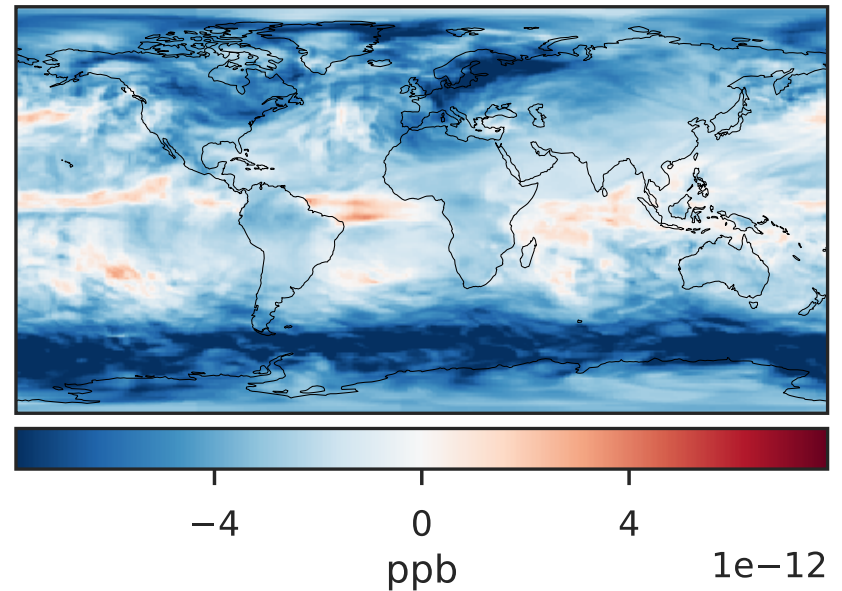
GCHP 14.2.2 using mass flux (Dev)  
c180



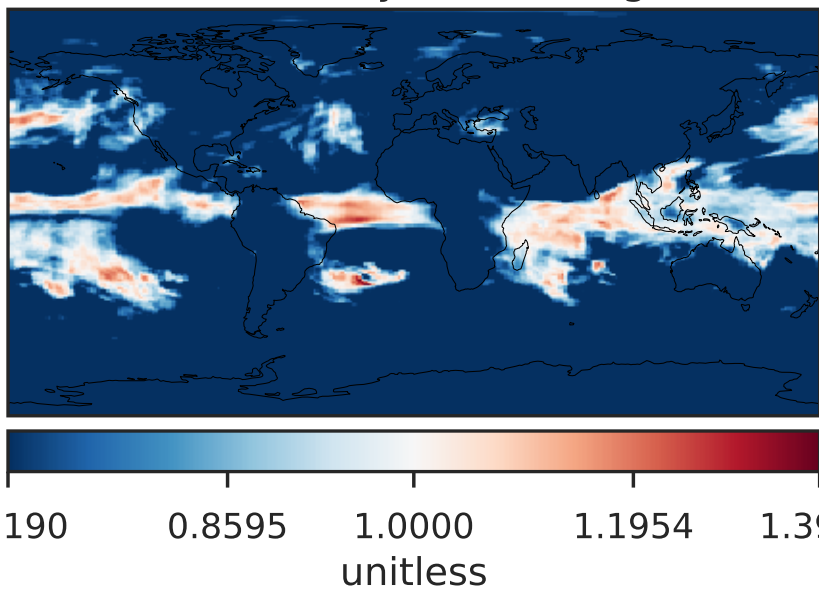
Difference (1x1.25)  
Dev - Ref, Dynamic Range



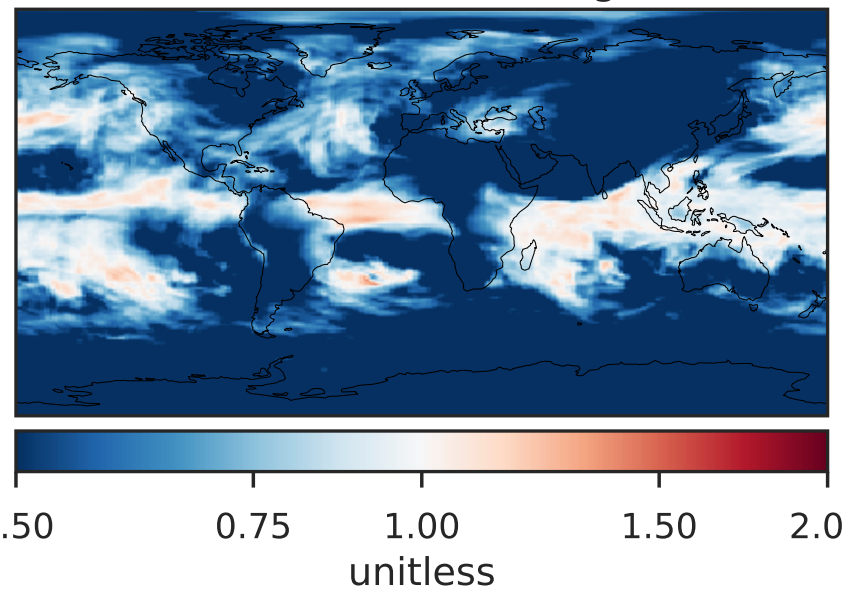
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

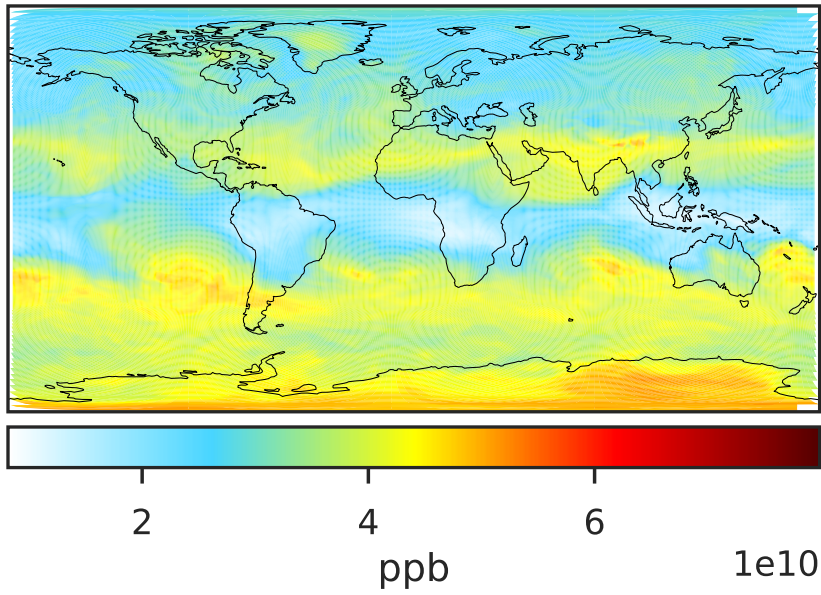


Ratio (1x1.25)  
Dev/Ref, Fixed Range

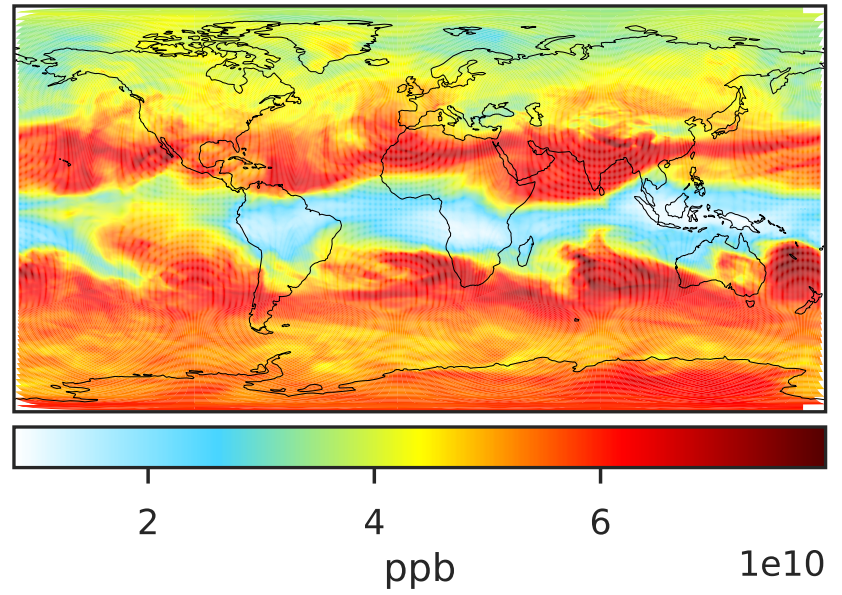


# SpeciesConcVV\_aoa (Jan2019)

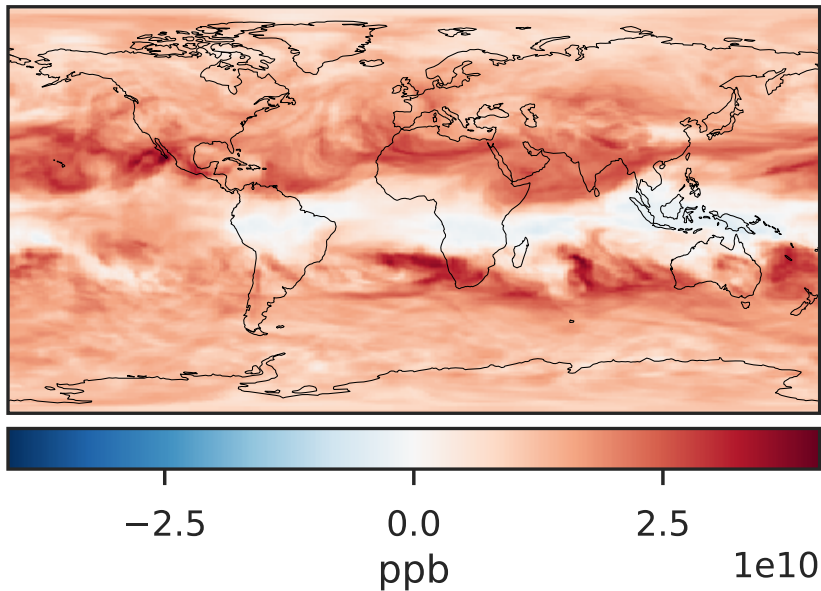
GCHP 14.2.2 using wind (Ref)  
c180



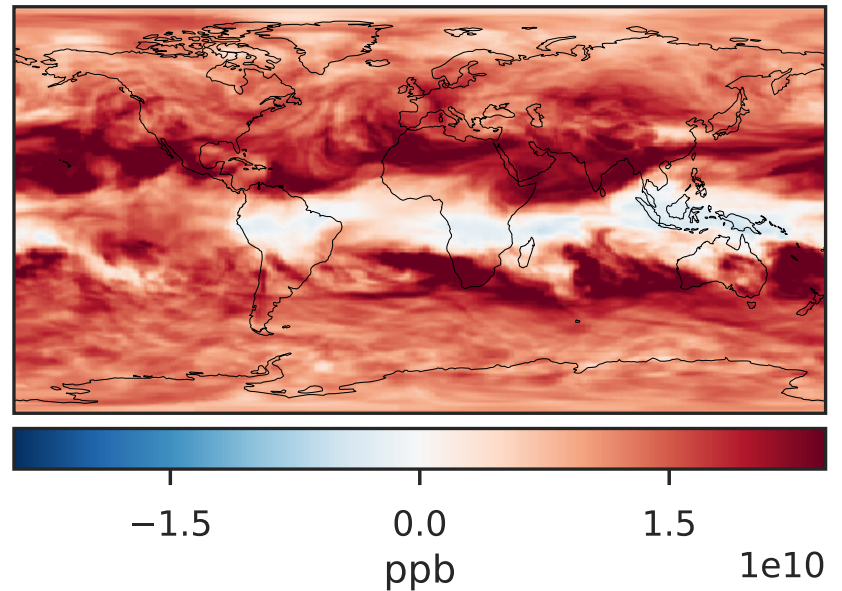
GCHP 14.2.2 using mass flux (Dev)  
c180



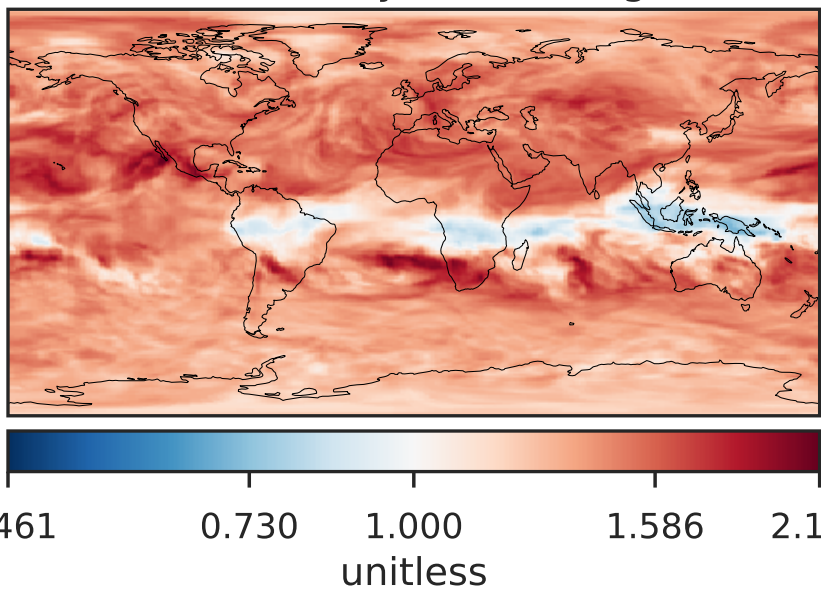
Difference (1x1.25)  
Dev - Ref, Dynamic Range



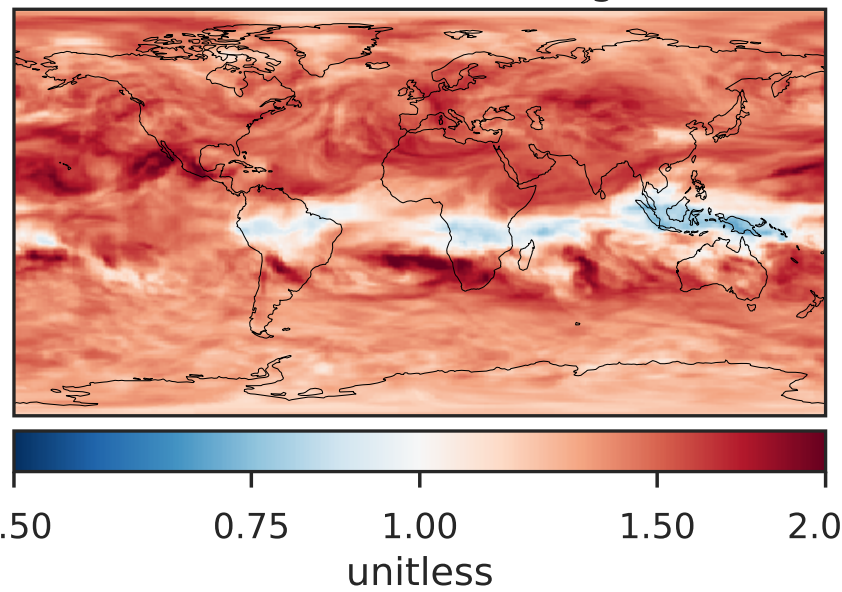
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

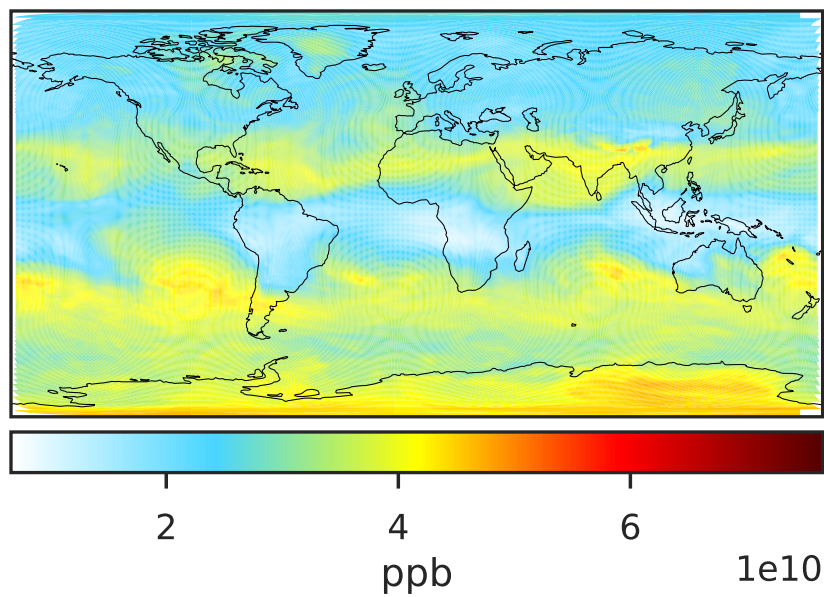


Ratio (1x1.25)  
Dev/Ref, Fixed Range

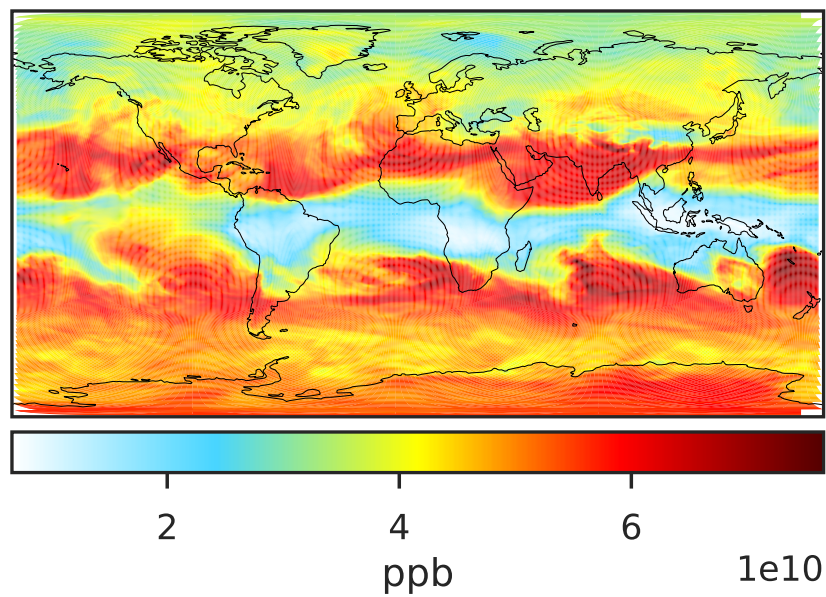


# SpeciesConcVV\_aoa\_bl (Jan2019)

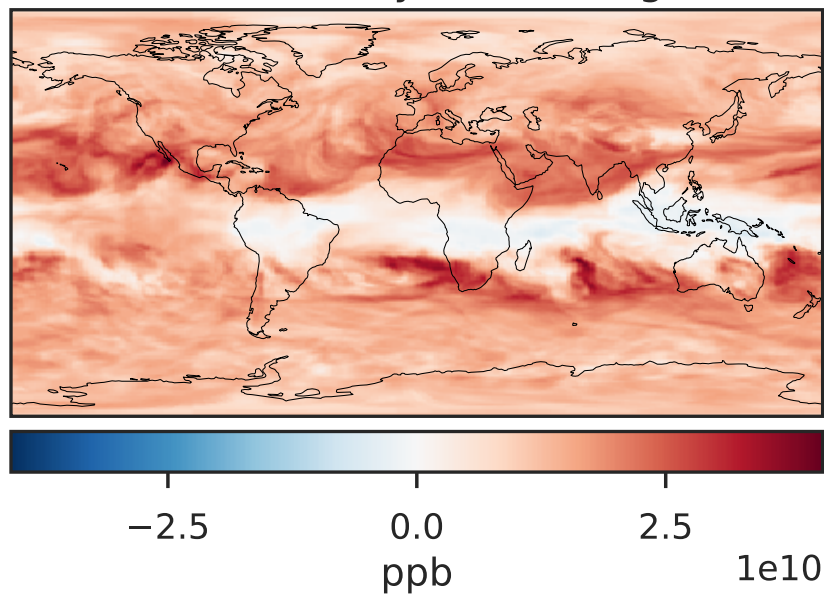
GCHP 14.2.2 using wind (Ref)  
c180



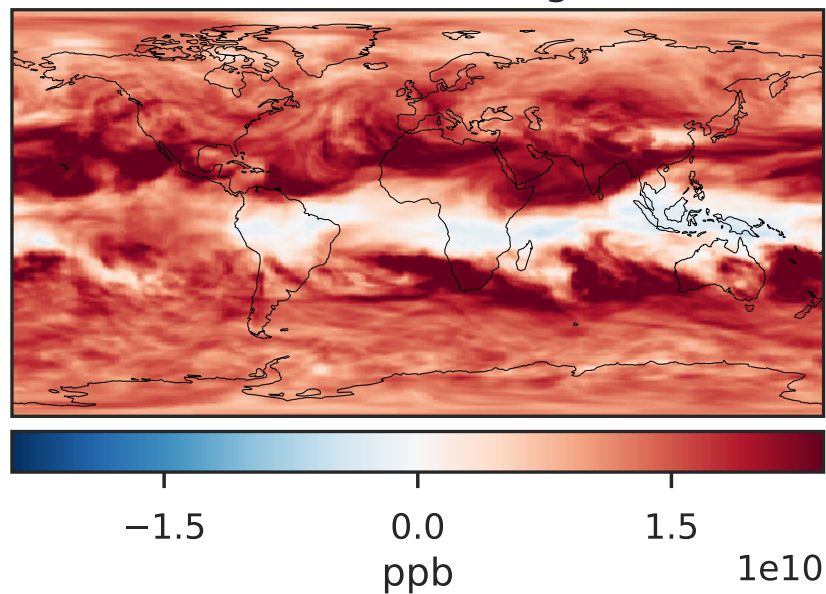
GCHP 14.2.2 using mass flux (Dev)  
c180



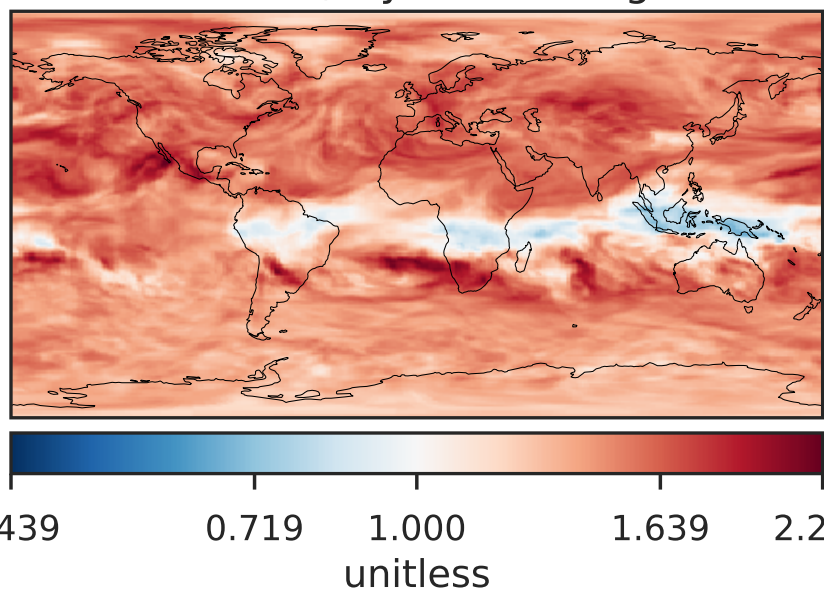
Difference (1x1.25)  
Dev - Ref, Dynamic Range



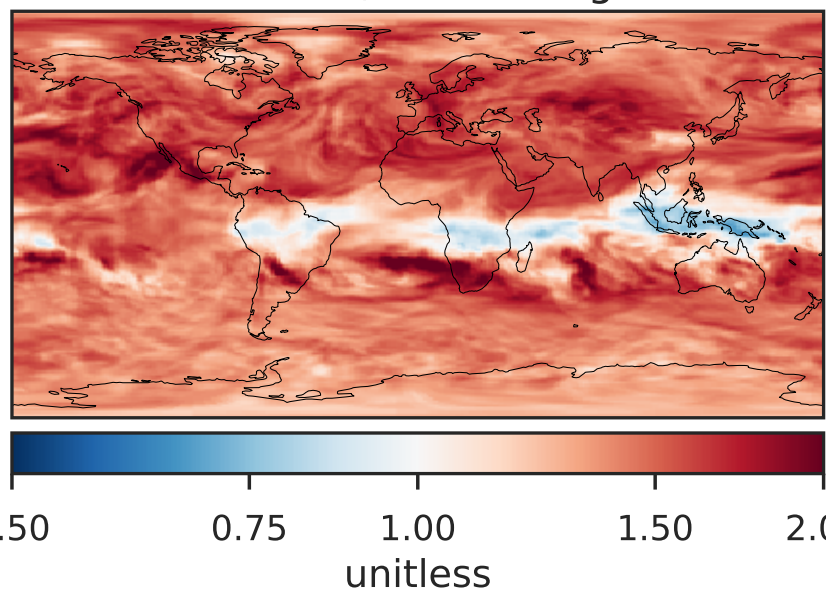
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

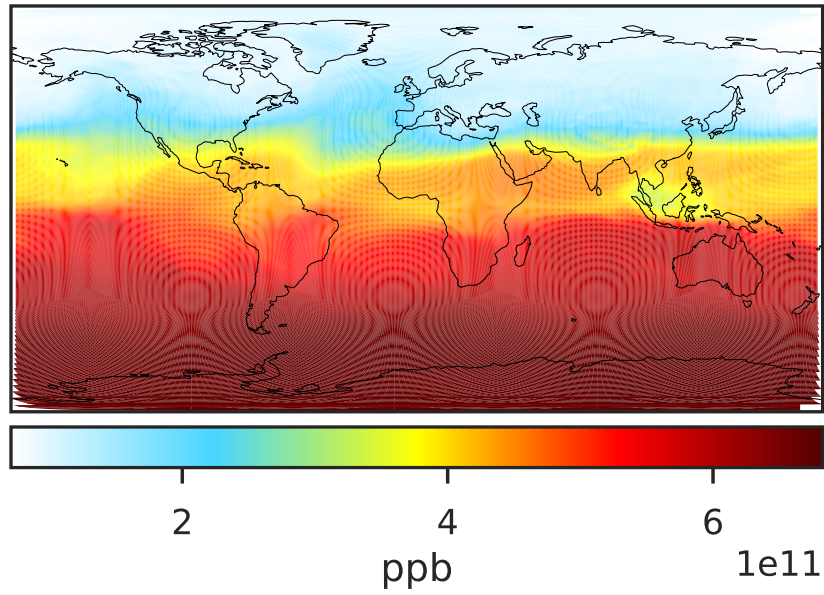


Ratio (1x1.25)  
Dev/Ref, Fixed Range

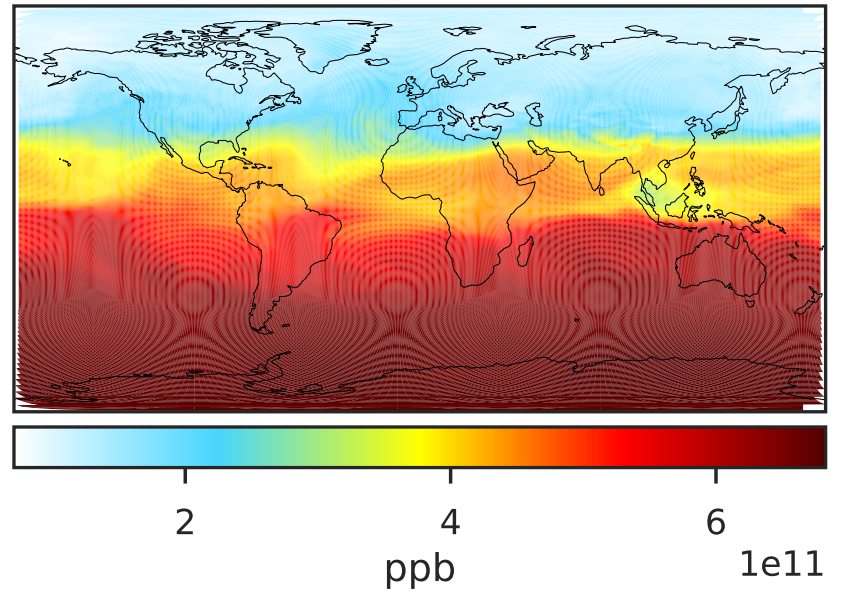


# SpeciesConcVV\_aoa\_nh (Jan2019)

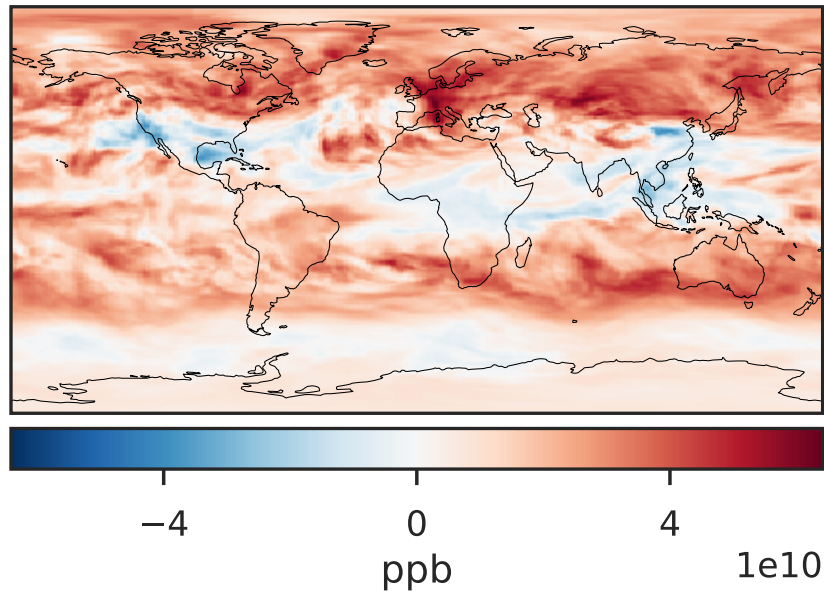
GCHP 14.2.2 using wind (Ref)  
c180



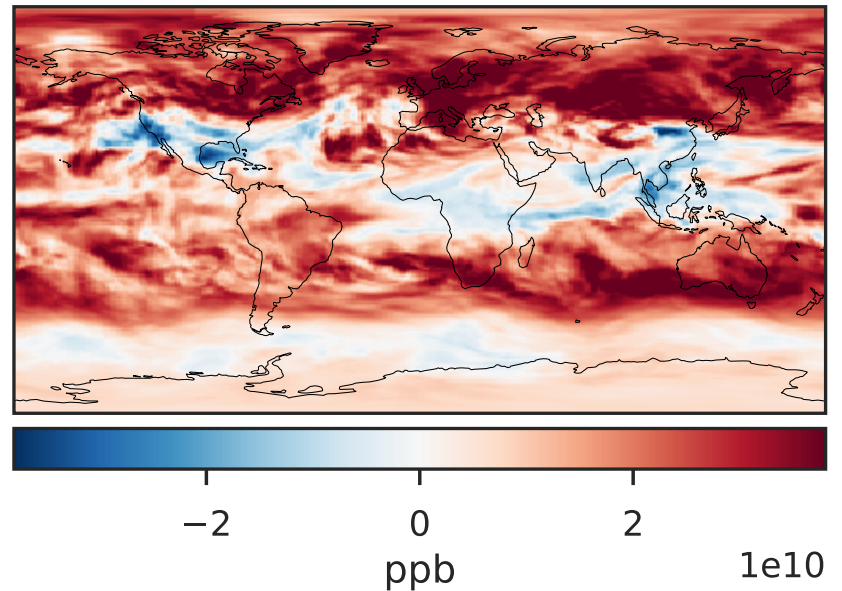
GCHP 14.2.2 using mass flux (Dev)  
c180



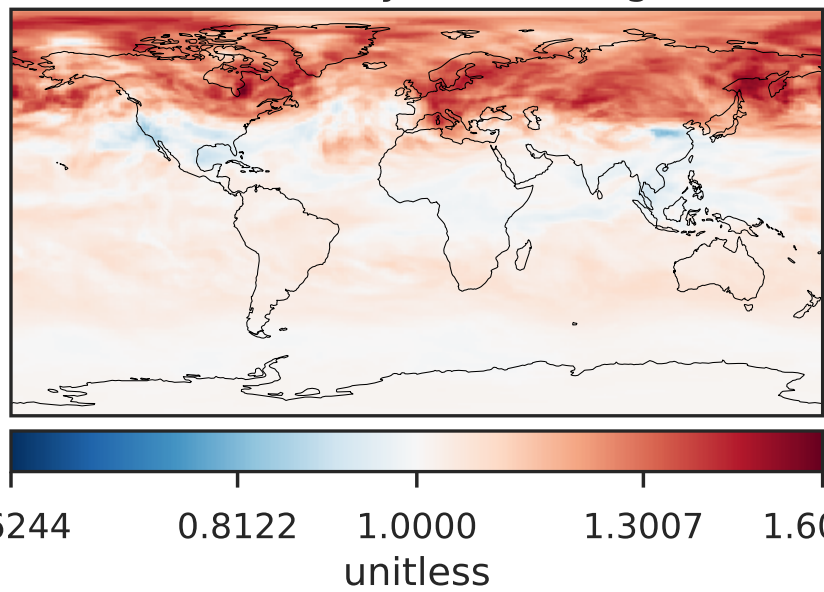
Difference (1x1.25)  
Dev - Ref, Dynamic Range



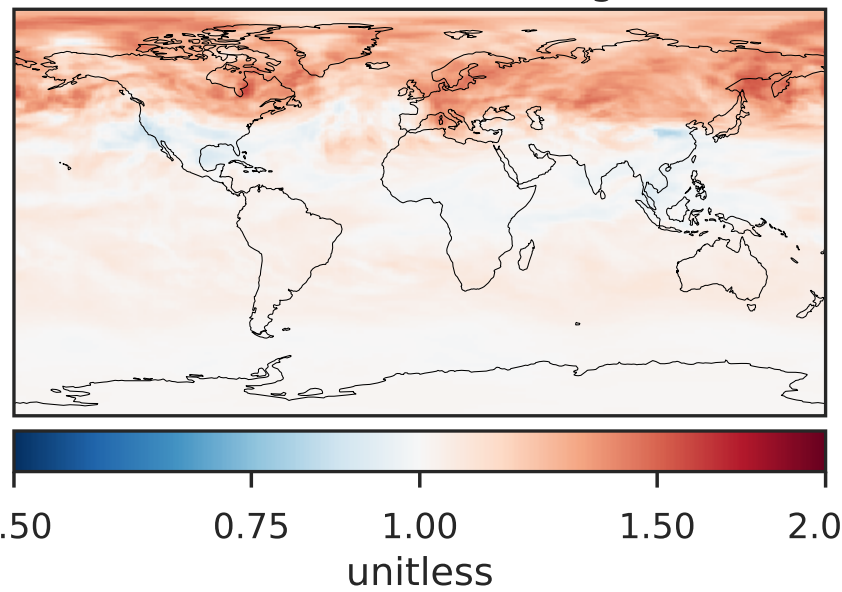
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

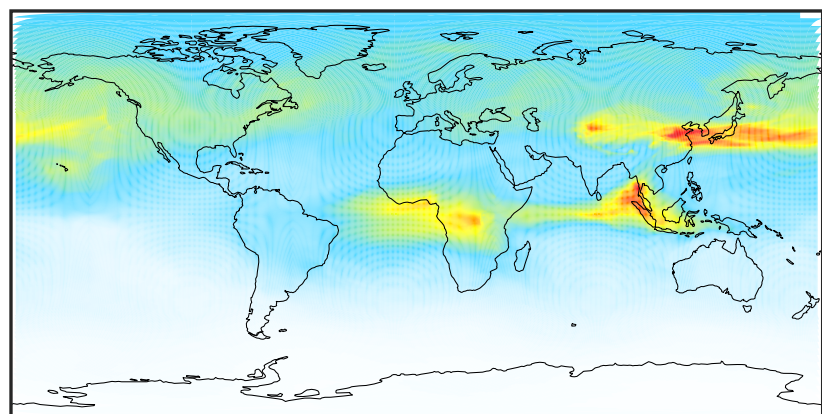


Ratio (1x1.25)  
Dev/Ref, Fixed Range



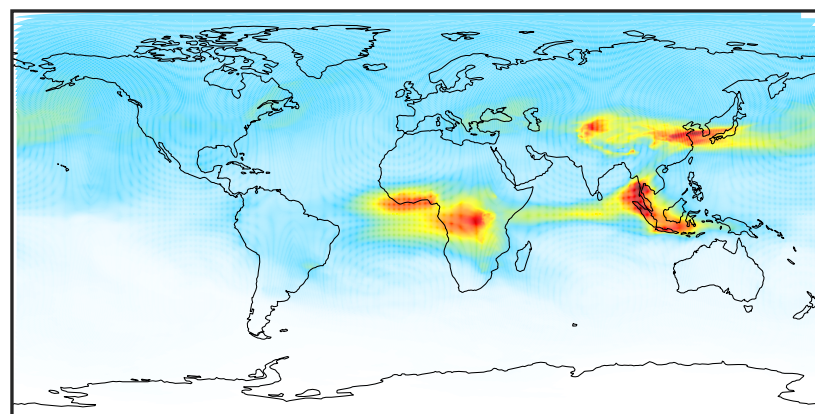
# SpeciesConcVV\_CO\_25 (Jan2019)

GCHP 14.2.2 using wind (Ref)  
c180



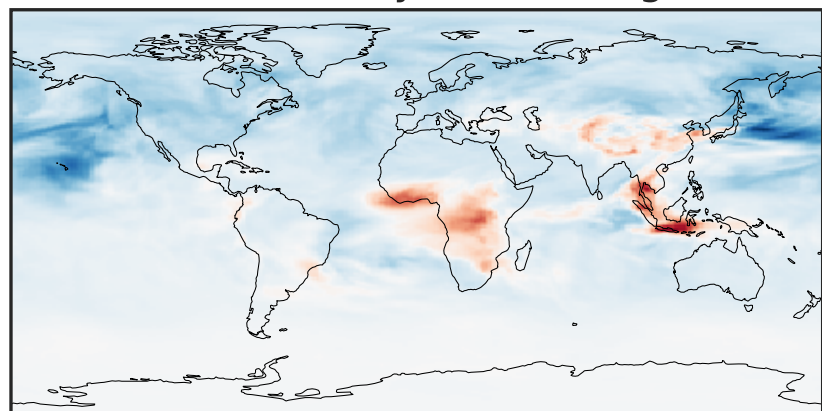
0.57 9.78 18.99 28.20 37.41  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



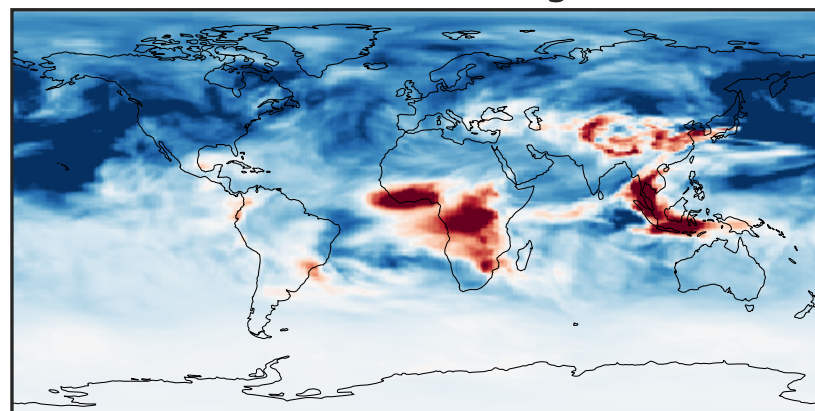
0.57 9.78 18.99 28.20 37.41  
ppb

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



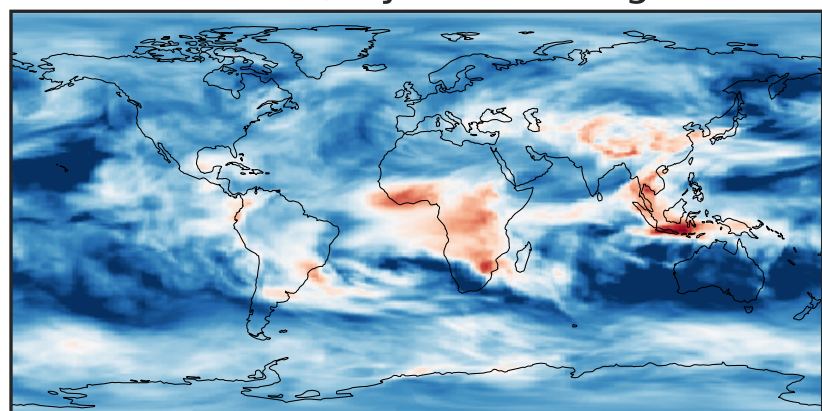
-12 -6 0 6 12  
ppb

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



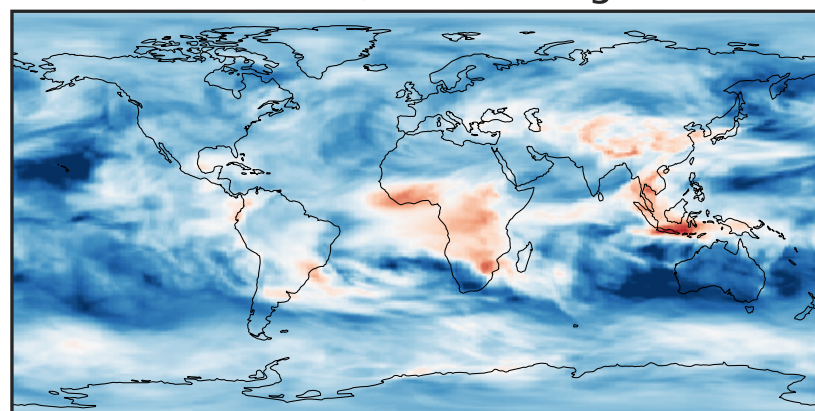
-4.170 -2.085 0.000 2.085 4.170  
ppb

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



0.567 0.784 1.000 1.382 1.763  
unitless

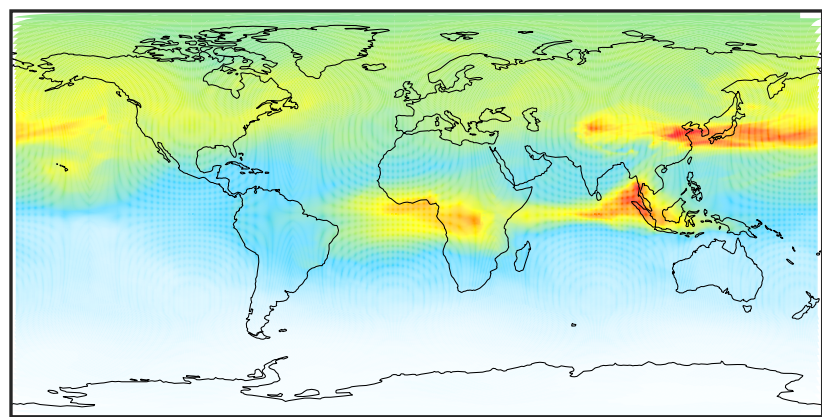
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

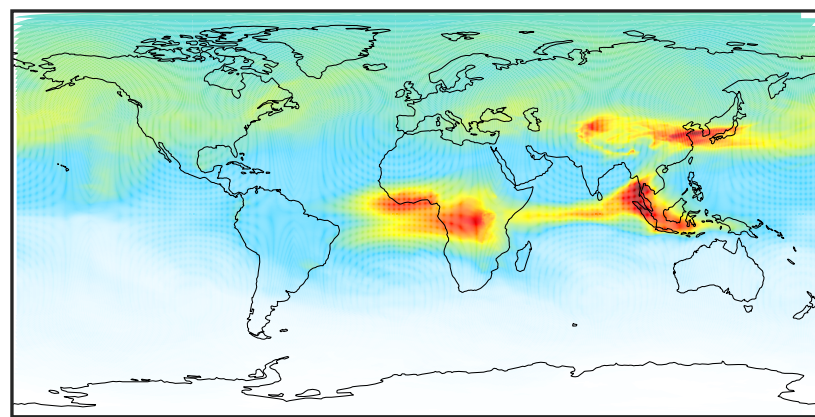
# SpeciesConcVV\_CO\_50 (Jan2019)

GCHP 14.2.2 using wind (Ref)  
c180



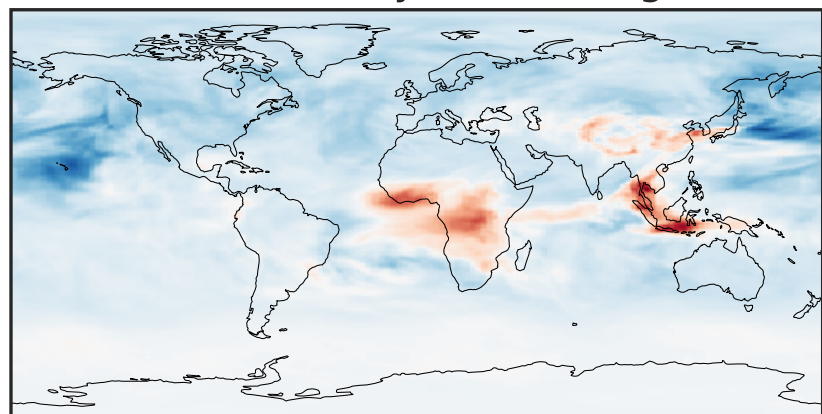
2.59 16.07 29.55 43.02 56.50  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



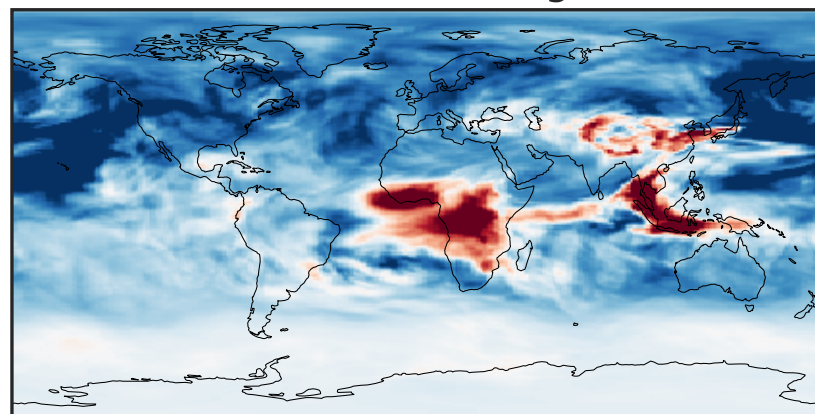
2.59 16.07 29.55 43.02 56.50  
ppb

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



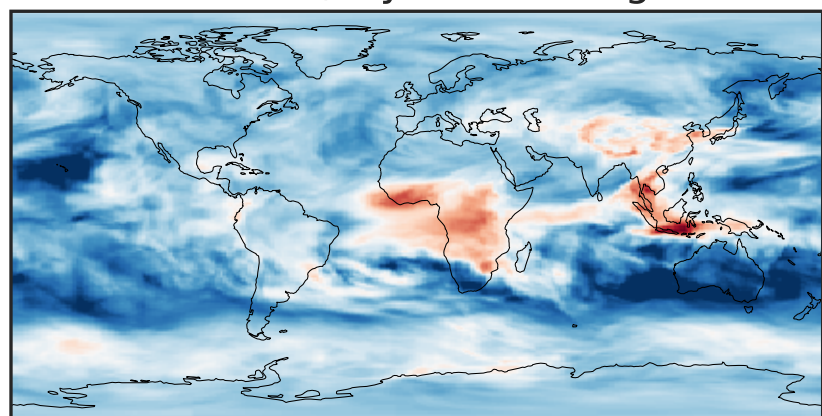
-15.25 -7.63 0.00 7.63 15.25  
ppb

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



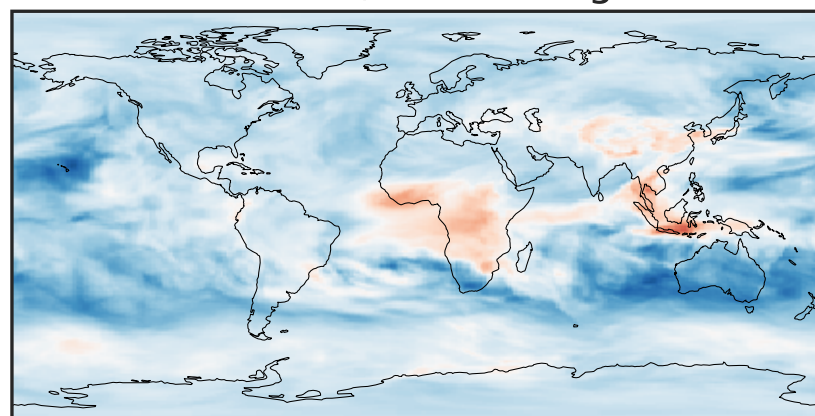
-5.26 -2.63 0.00 2.63 5.26  
ppb

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



0.6504 0.8252 1.0000 1.2688 1.5376  
unitless

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

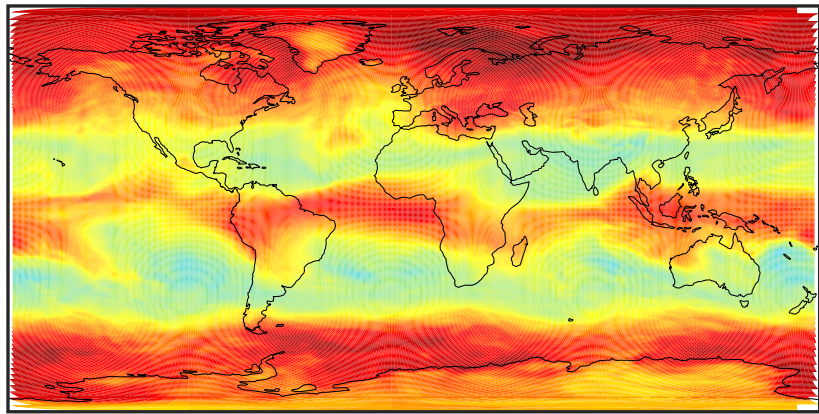


0.50 0.75 1.00 1.50 2.00  
unitless



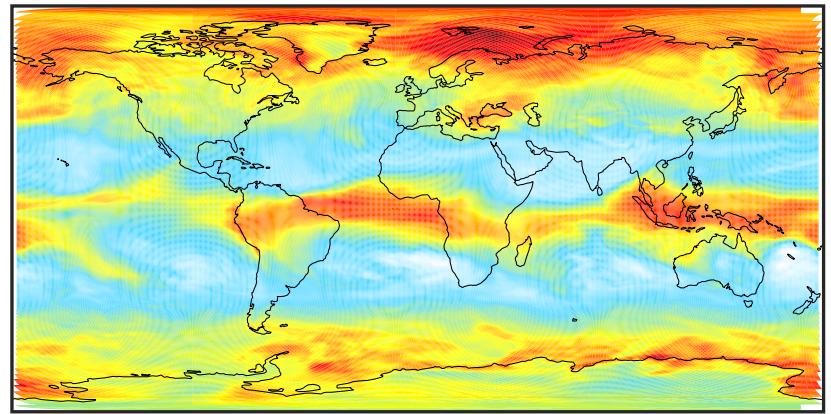
# SpeciesConcVW\_e90 (Jan2019)

GCHP 14.2.2 using wind (Ref)  
c180



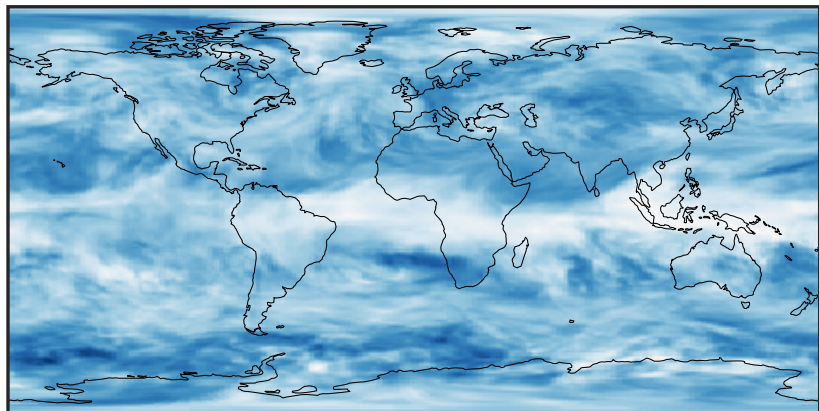
48.83 56.36 63.89 71.42 78.95  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



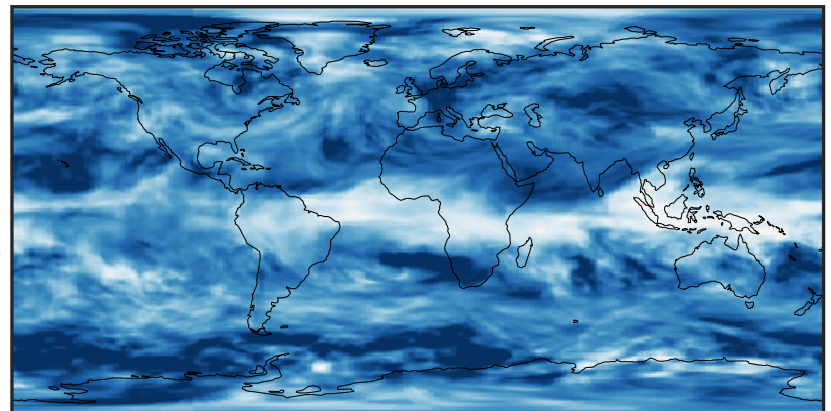
48.83 56.36 63.89 71.42 78.95  
ppb

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



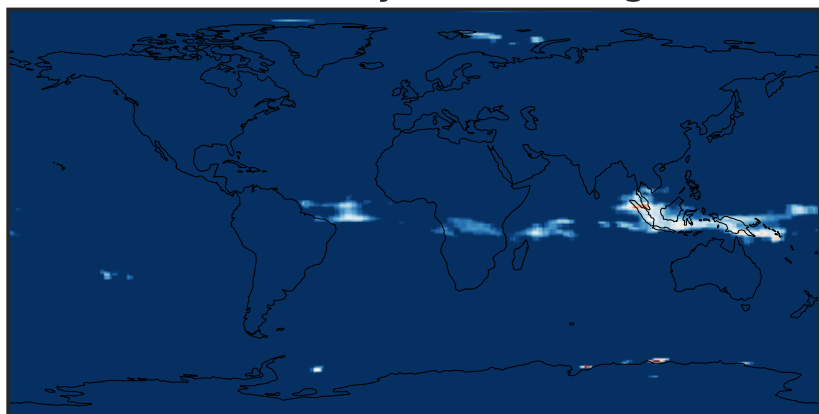
-13.2 -6.6 0.0 6.6 13.2  
ppb

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



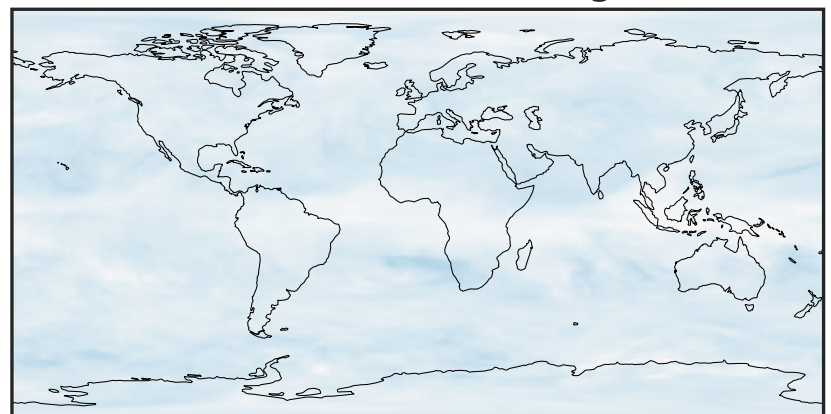
-8.59 -4.29 0.00 4.29 8.59  
ppb

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



0.97736 0.98868 1.00000 1.01158 1.02316  
unitless

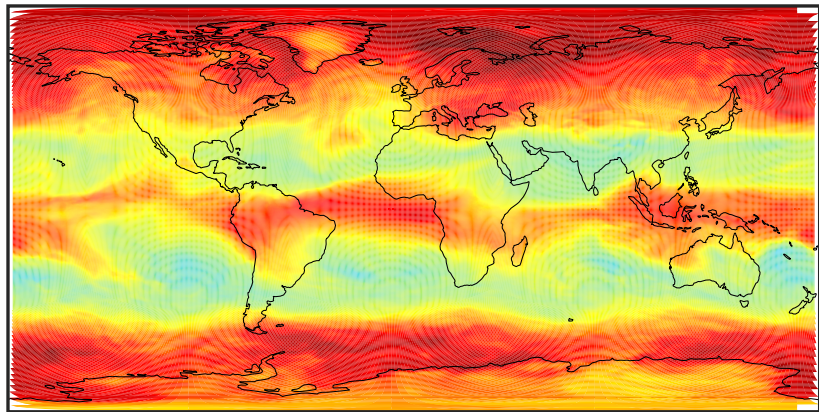
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

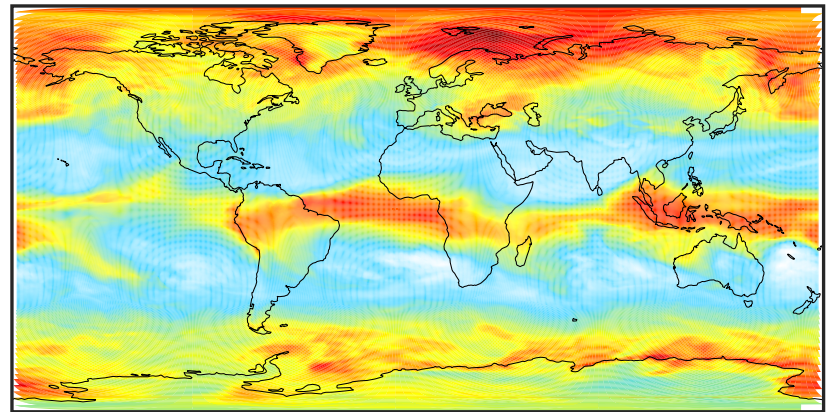
# SpeciesConcVV\_e90\_n (Jan2019)

GCHP 14.2.2 using wind (Ref)  
c180



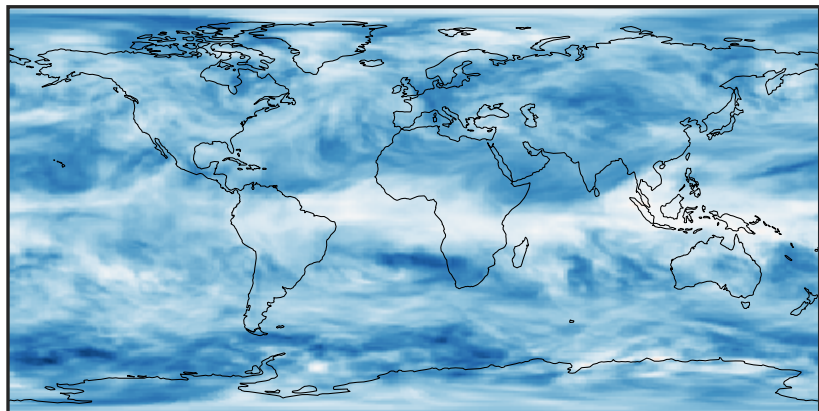
48.83 56.36 63.89 71.42 78.95  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



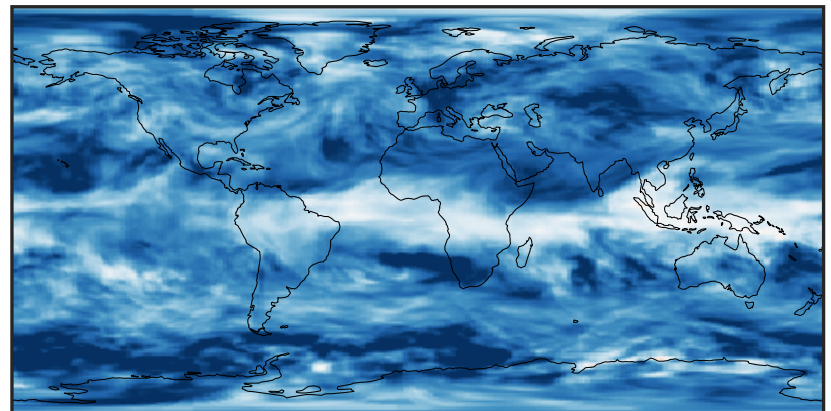
48.83 56.36 63.89 71.42 78.95  
ppb

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



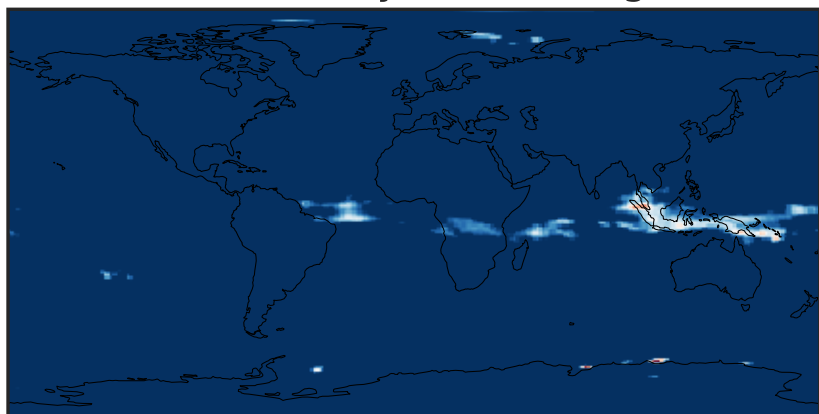
-13.2 -6.6 0.0 6.6 13.2  
ppb

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



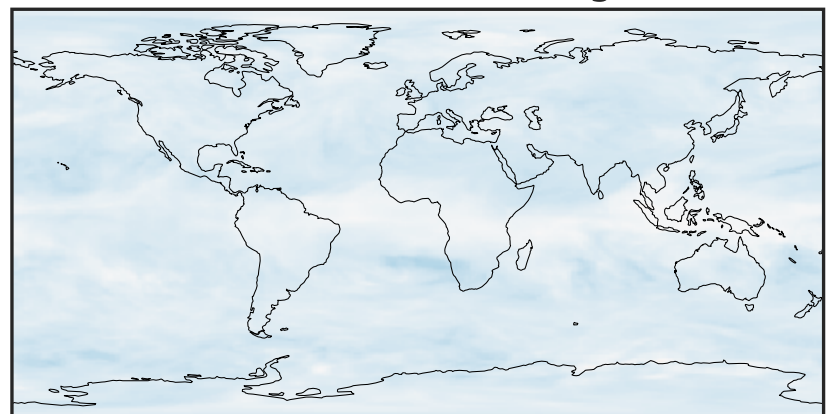
-8.59 -4.29 0.00 4.29 8.59  
ppb

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



0.97736 0.98868 1.00000 1.01158 1.02316  
unitless

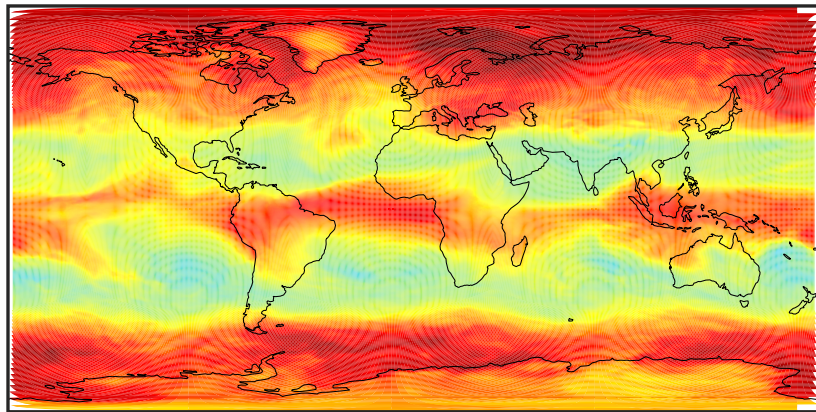
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

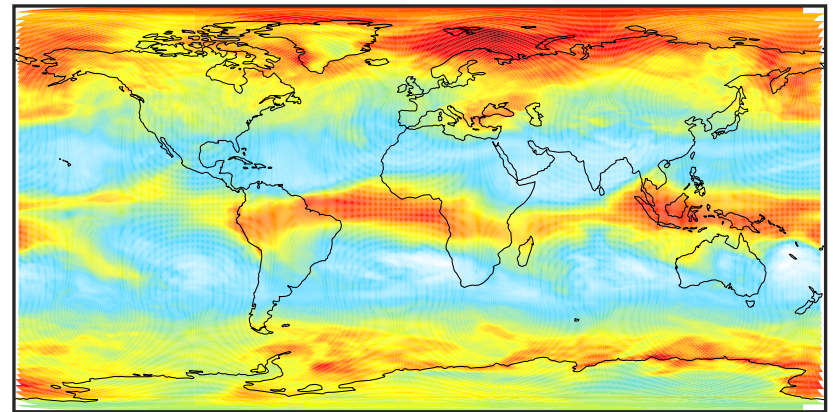
# SpeciesConcVV\_e90\_s (Jan2019)

GCHP 14.2.2 using wind (Ref)  
c180



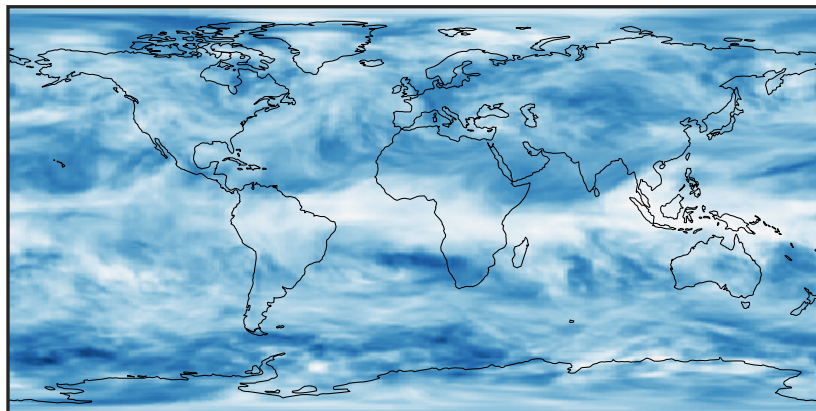
48.83 56.36 63.89 71.42 78.95  
ppb

GCHP 14.2.2 using mass flux (Dev)  
c180



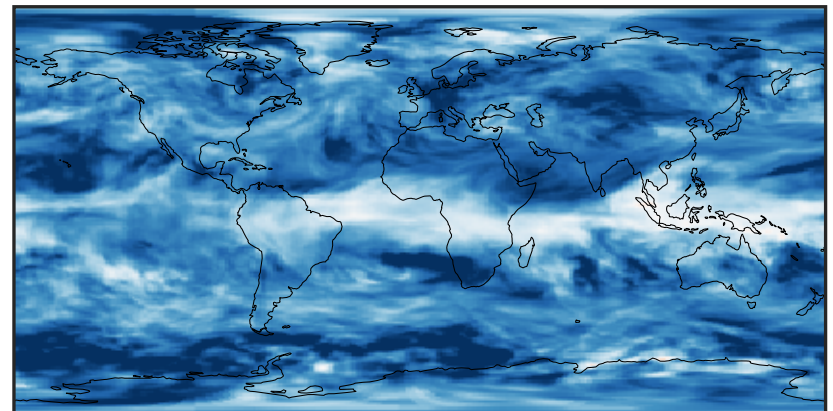
48.83 56.36 63.89 71.42 78.95  
ppb

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



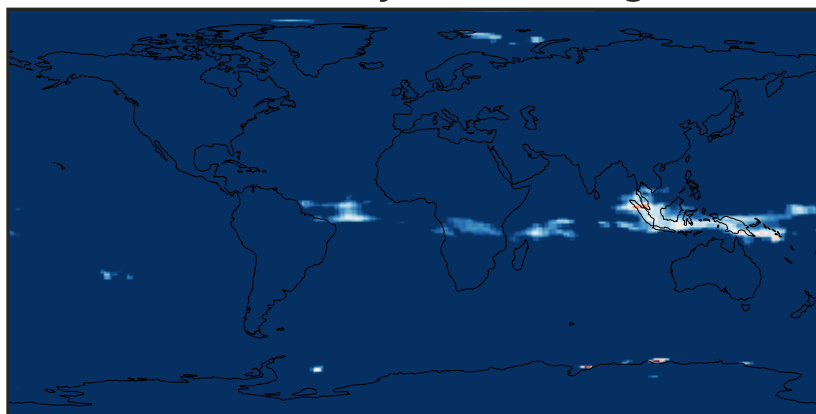
-13.2 -6.6 0.0 6.6 13.2  
ppb

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



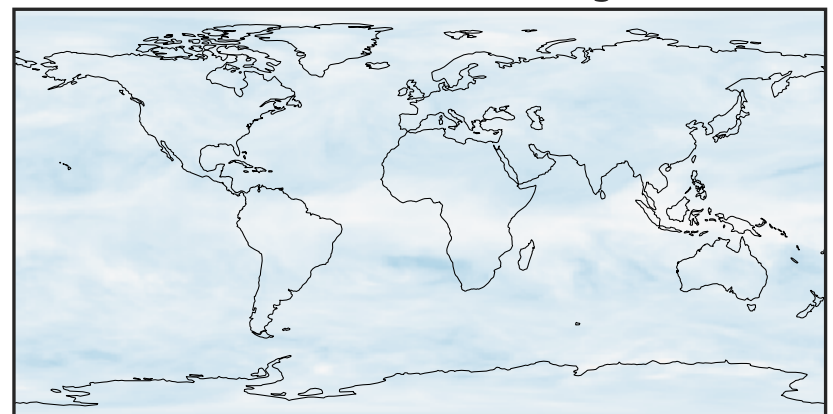
-8.59 -4.29 0.00 4.29 8.59  
ppb

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



0.97736 0.98868 1.00000 1.01158 1.02316  
unitless

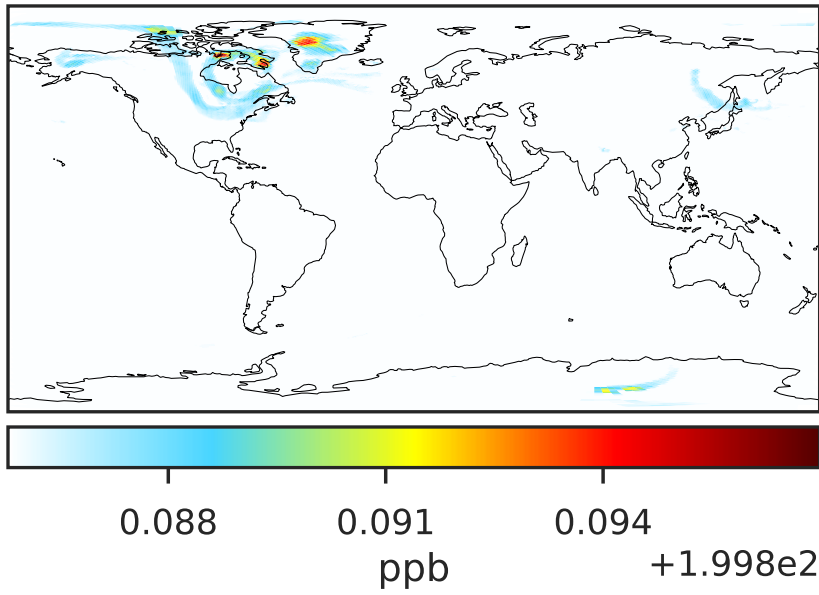
Ratio (1x1.25)  
Dev/Ref, Fixed Range



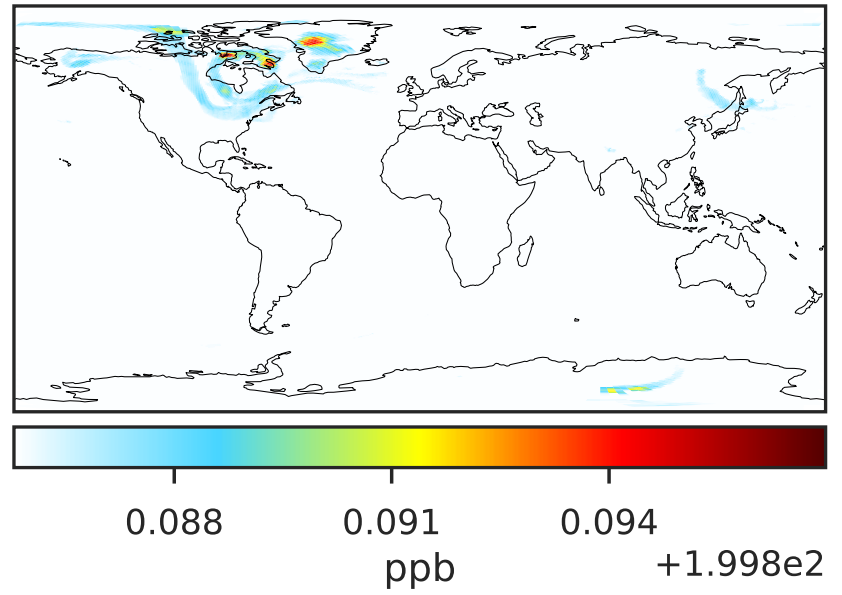
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_st80\_25 (Jan2019)

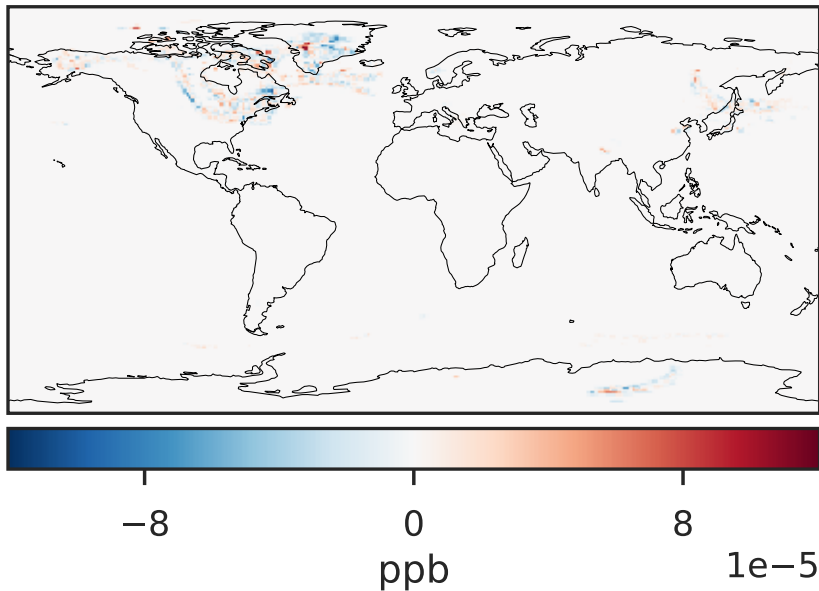
GCHP 14.2.2 using wind (Ref)  
c180



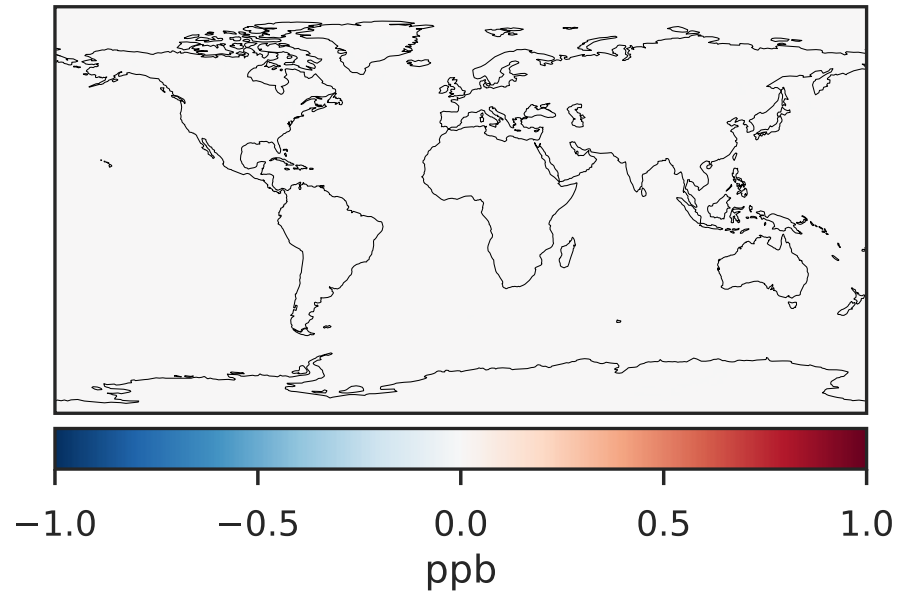
GCHP 14.2.2 using mass flux (Dev)  
c180



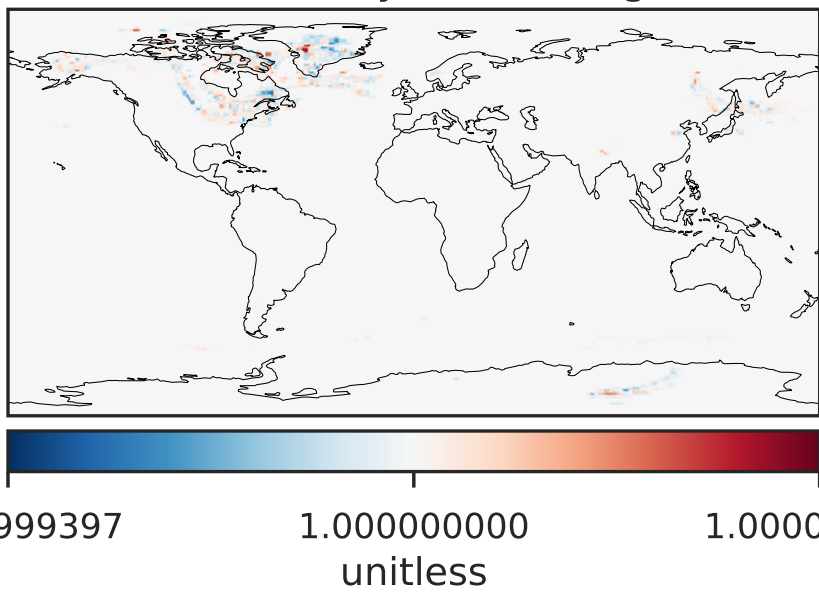
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



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

