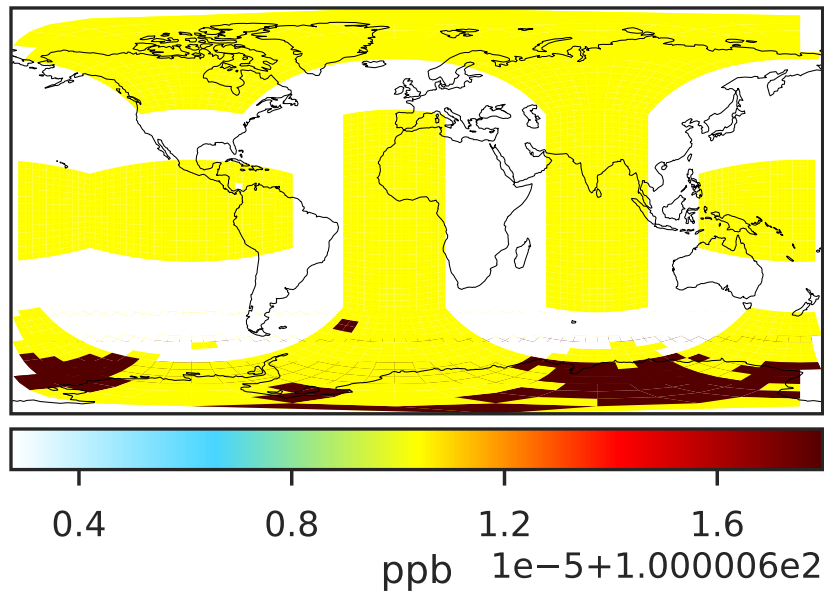
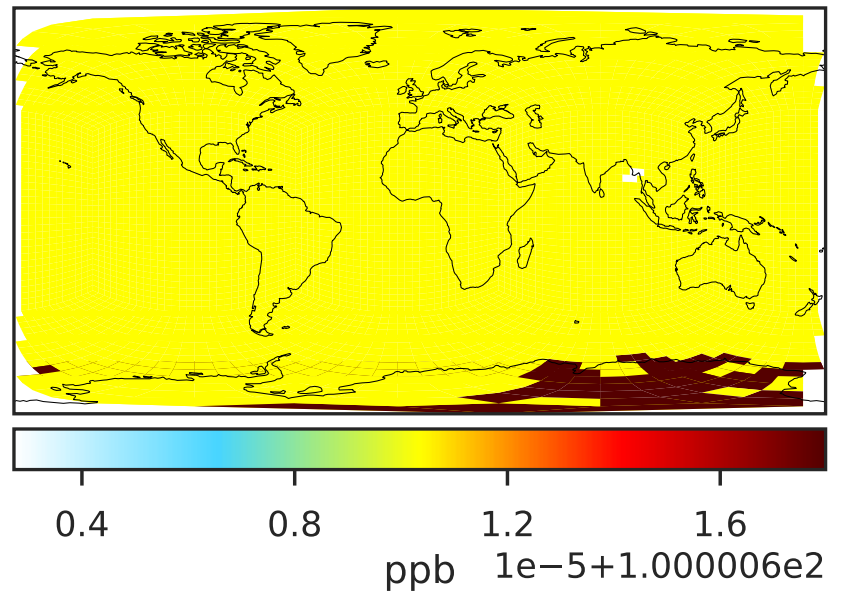


SpeciesConcVV_PassiveTracer (Jan2019)

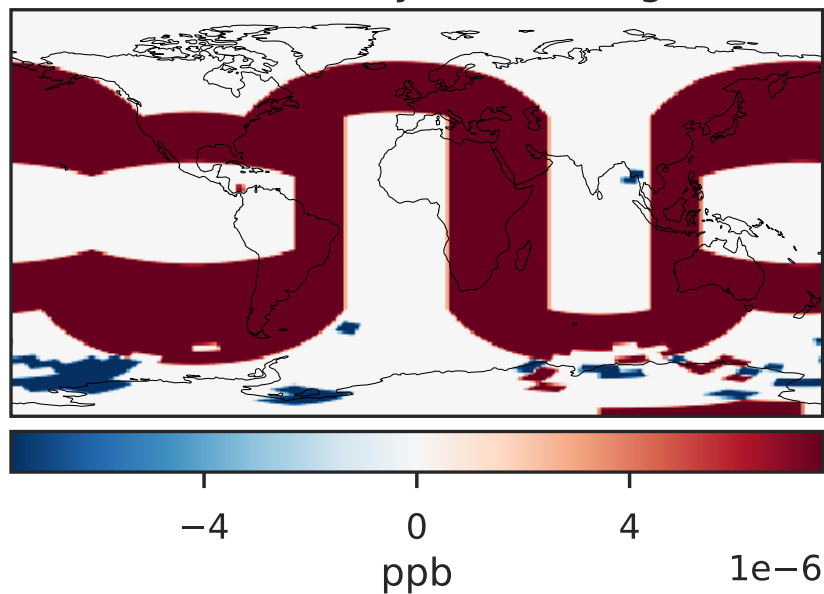
GCHP 14.2.2 using wind (Ref)
c30



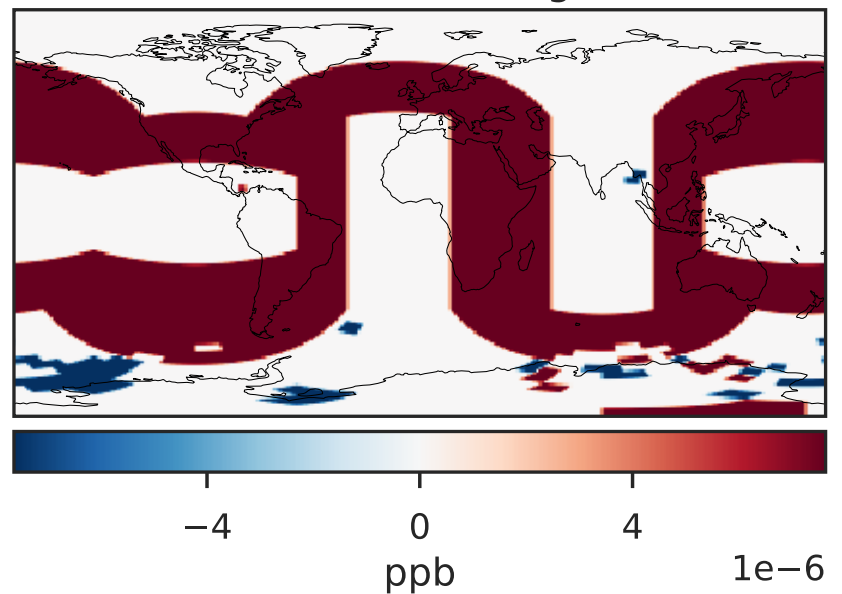
GCHP 14.2.2 using mass flux (Dev)
c30



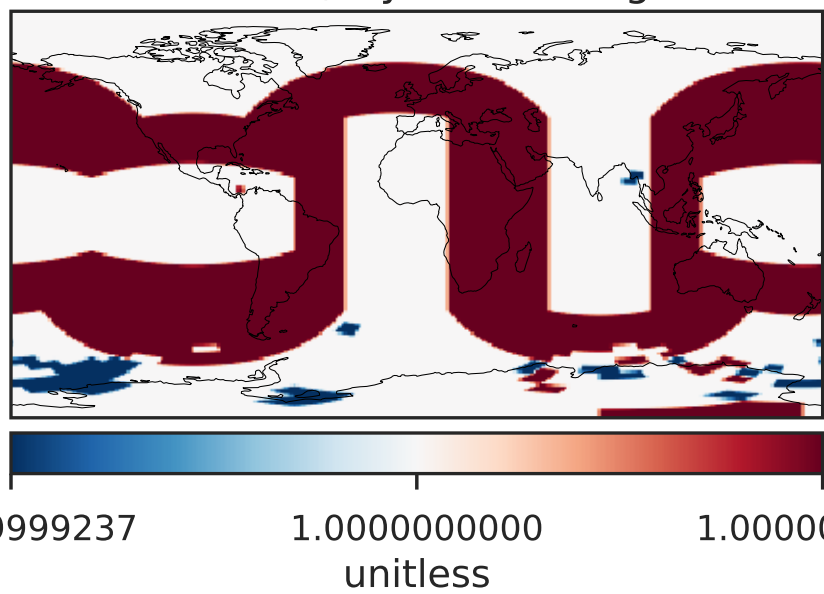
Difference (1x1.25)
Dev - Ref, Dynamic Range



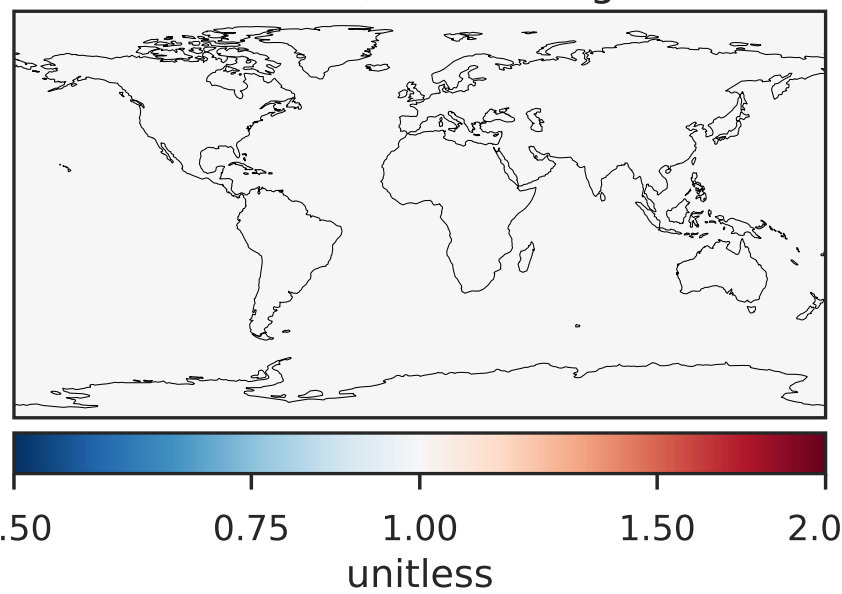
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

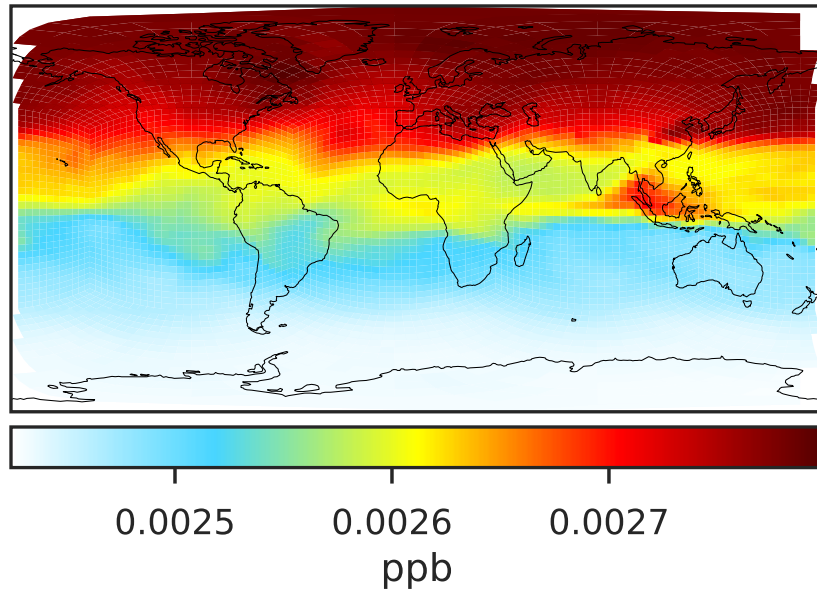


Ratio (1x1.25)
Dev/Ref, Fixed Range

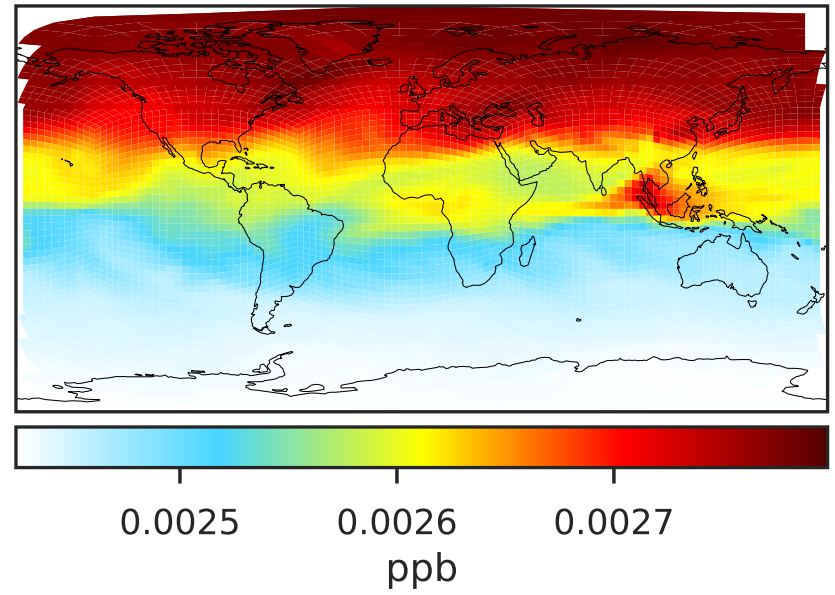


SpeciesConcVV_SF6 (Jan2019)

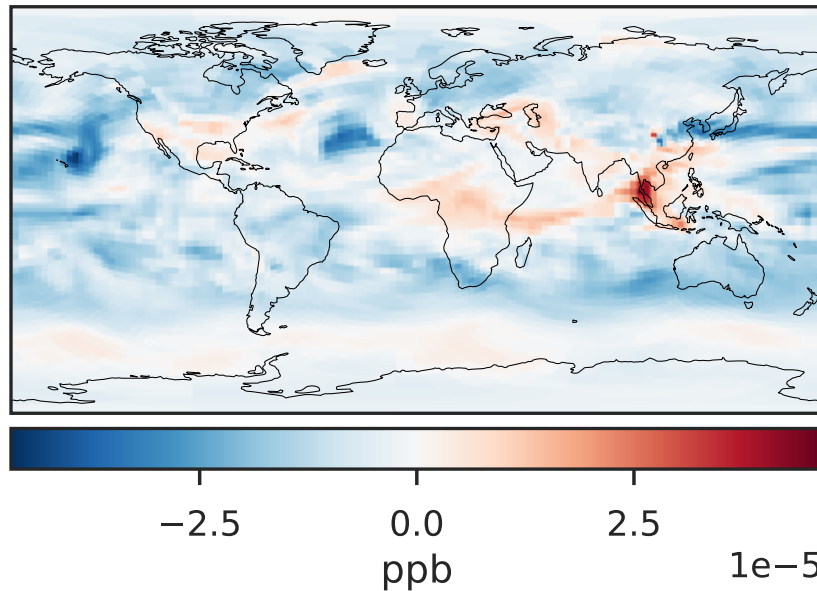
GCHP 14.2.2 using wind (Ref)
c30



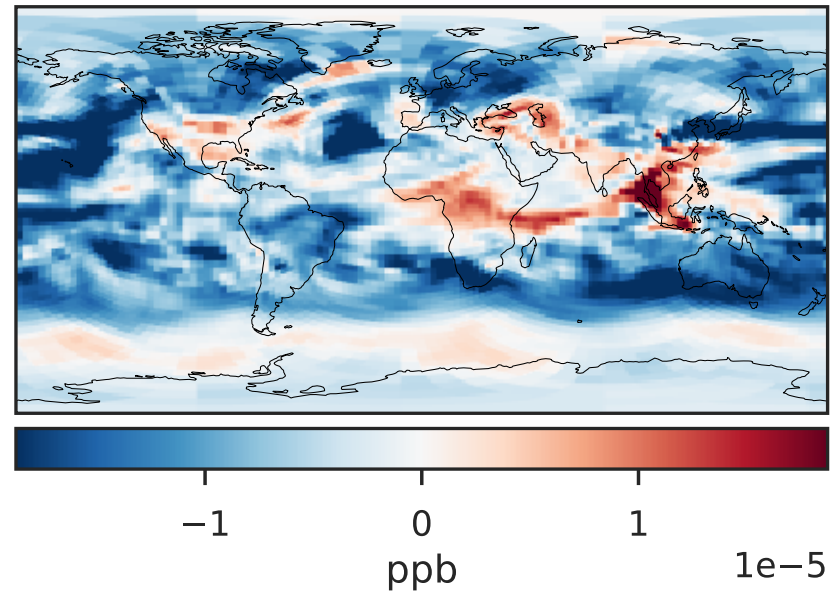
GCHP 14.2.2 using mass flux (Dev)
c30



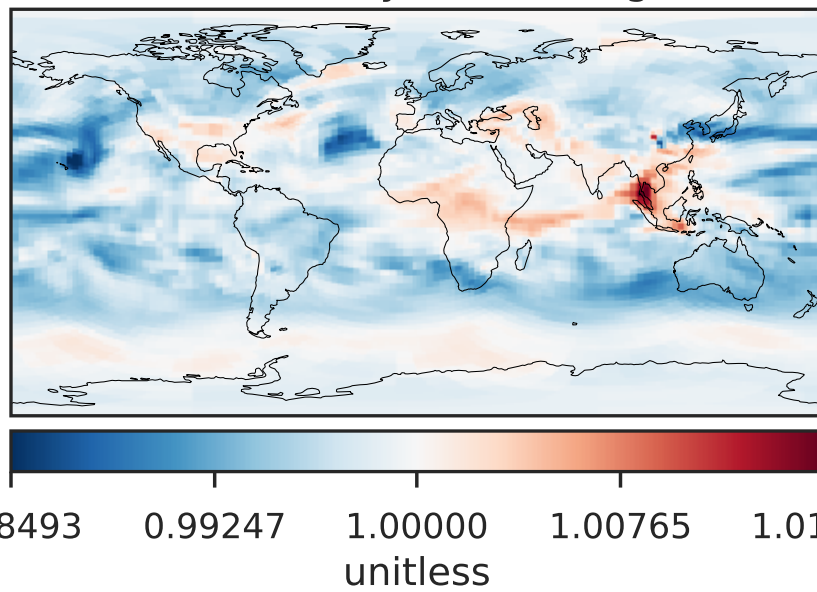
Difference (1x1.25)
Dev - Ref, Dynamic Range



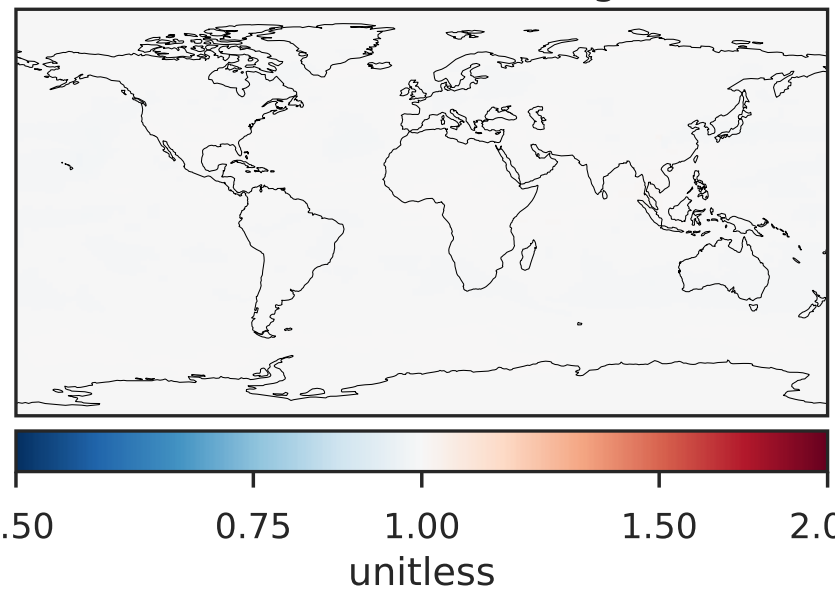
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

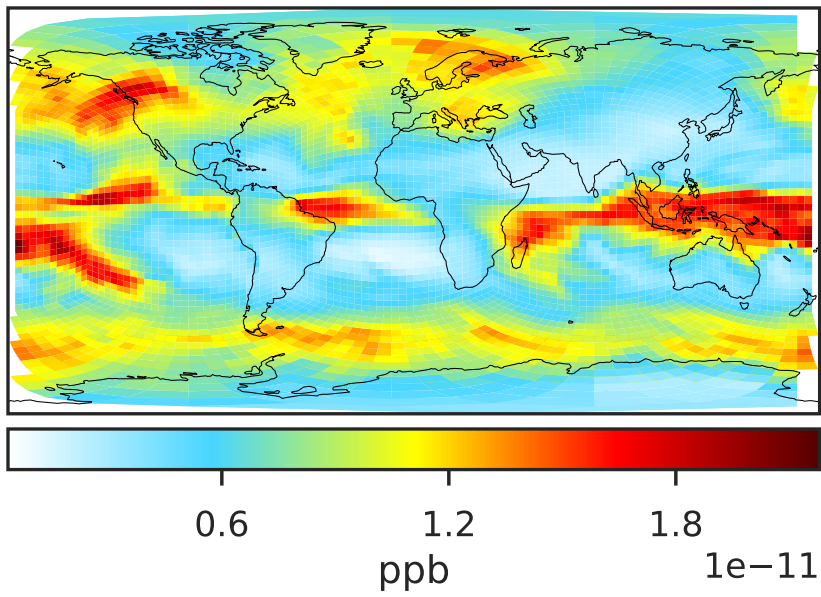


Ratio (1x1.25)
Dev/Ref, Fixed Range

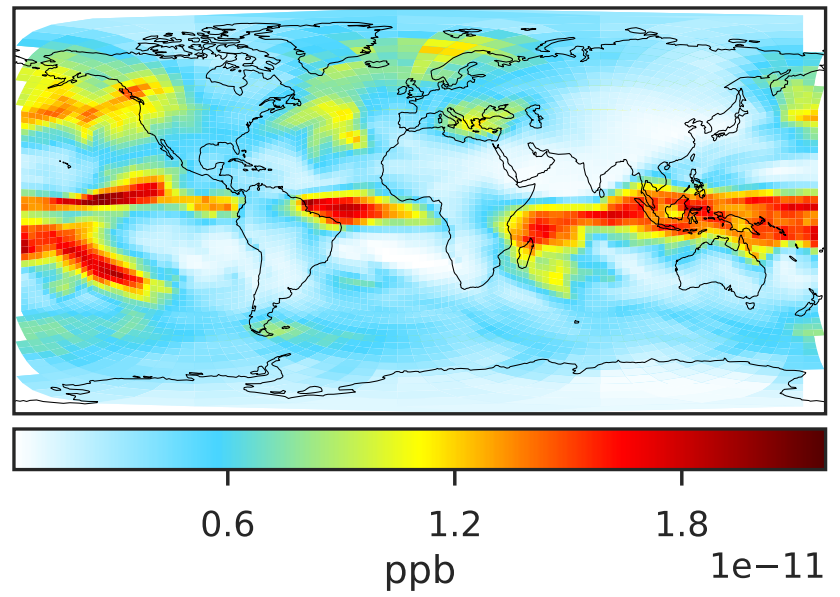


SpeciesConcVW_CH3I (Jan2019)

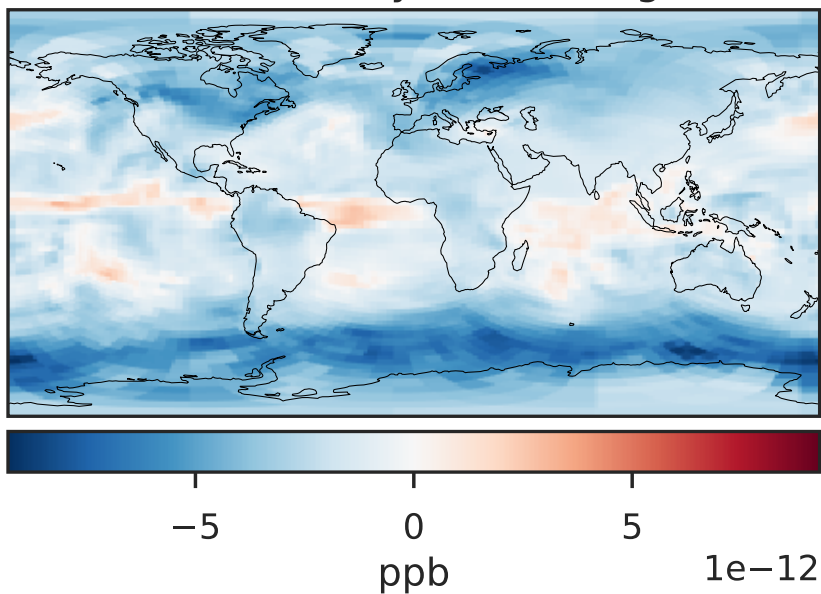
GCHP 14.2.2 using wind (Ref)
c30



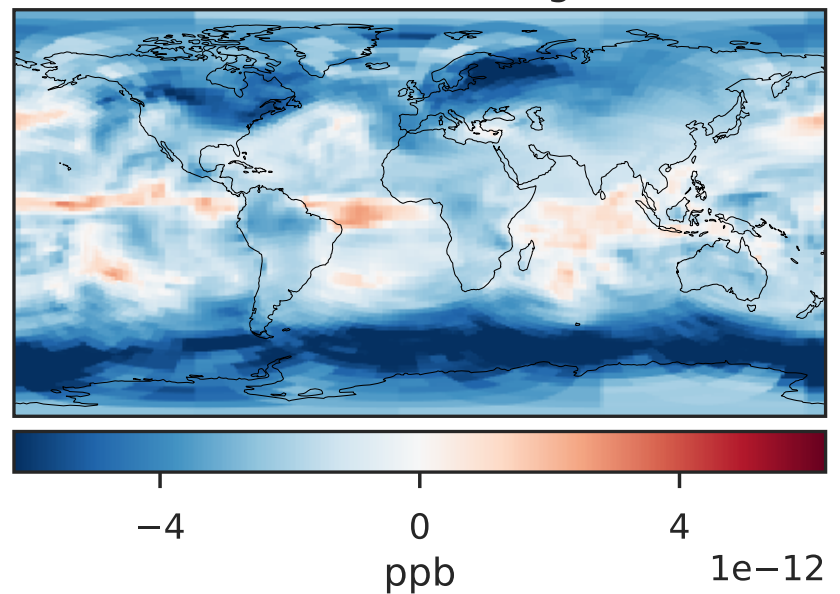
GCHP 14.2.2 using mass flux (Dev)
c30



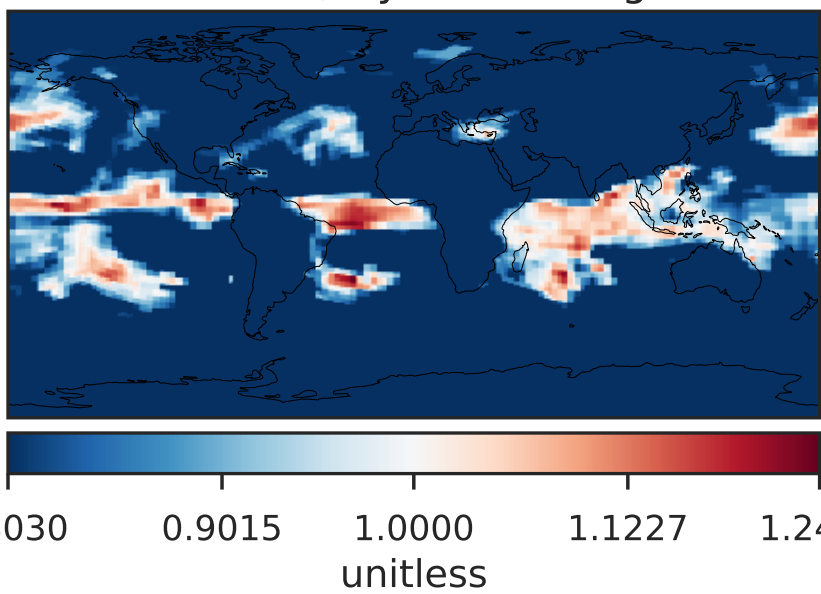
Difference (1x1.25)
Dev - Ref, Dynamic Range



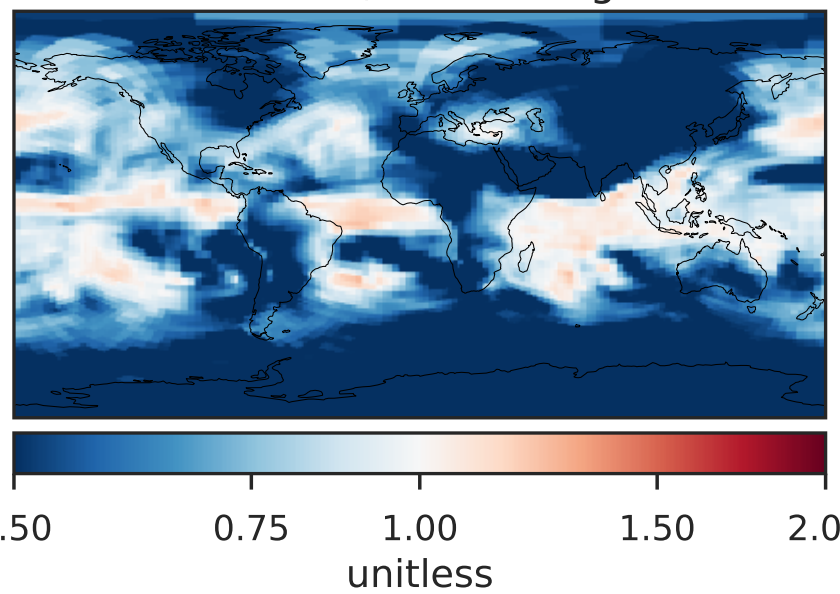
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

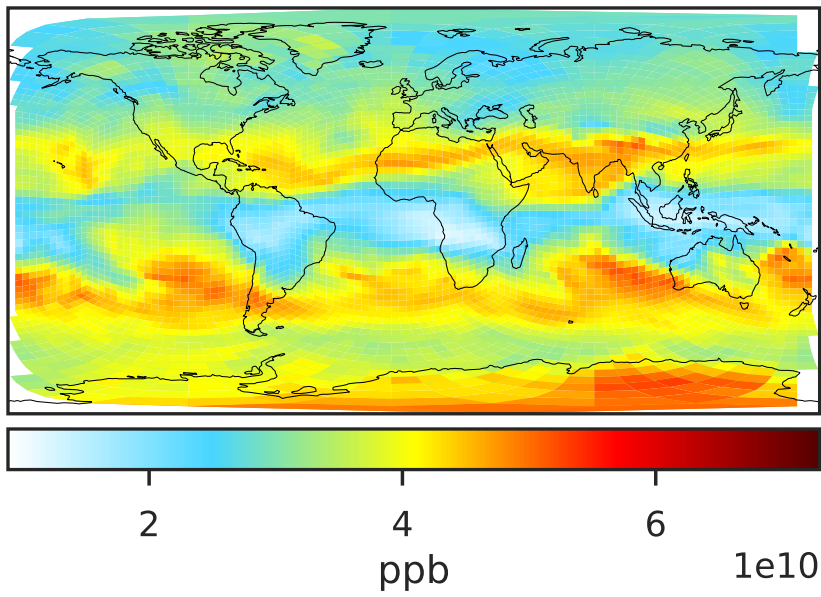


Ratio (1x1.25)
Dev/Ref, Fixed Range

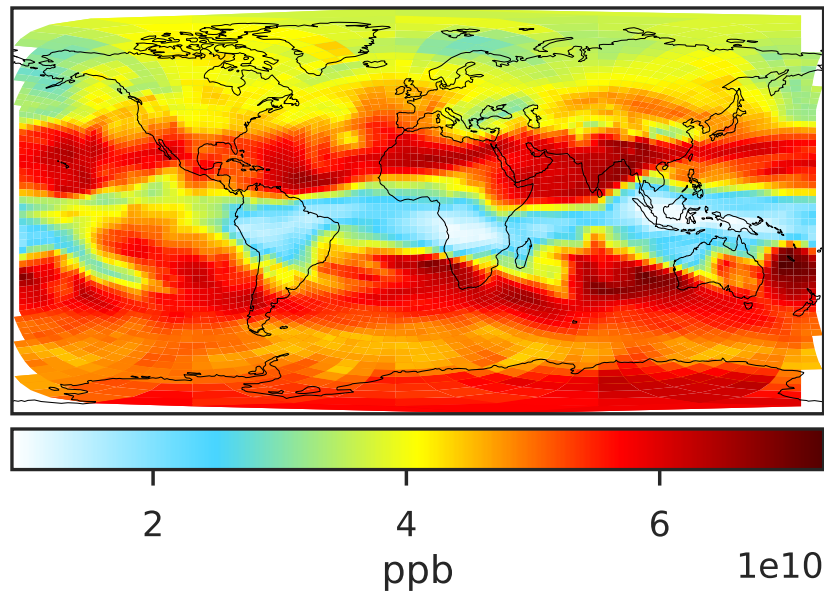


SpeciesConcVV_aoa (Jan2019)

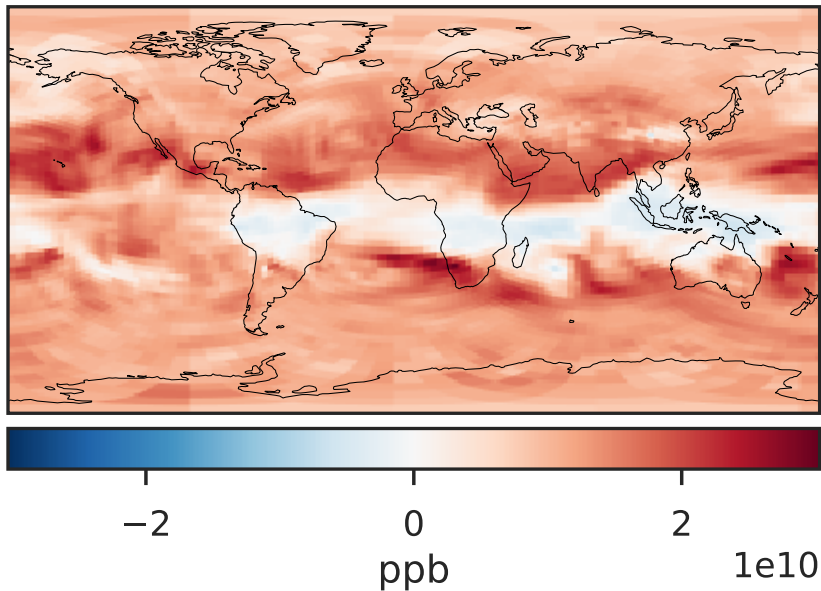
GCHP 14.2.2 using wind (Ref)
c30



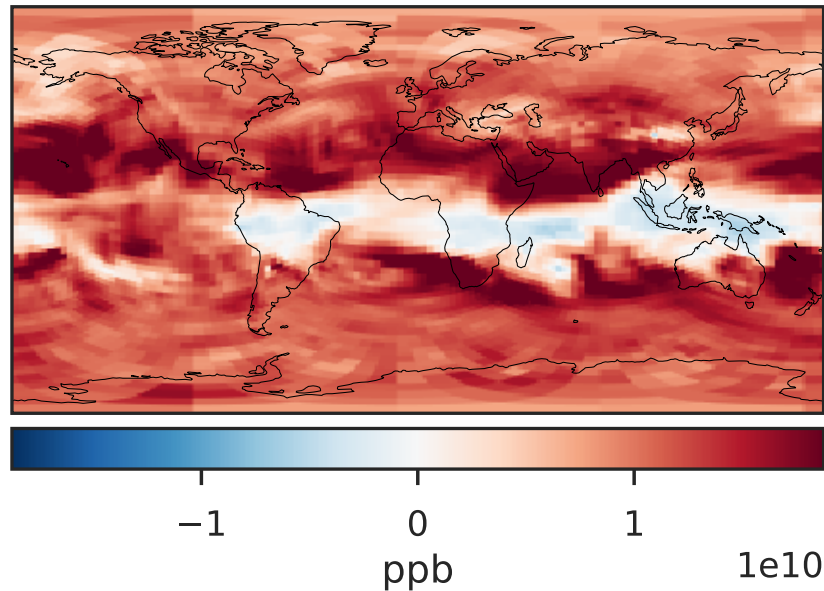
GCHP 14.2.2 using mass flux (Dev)
c30



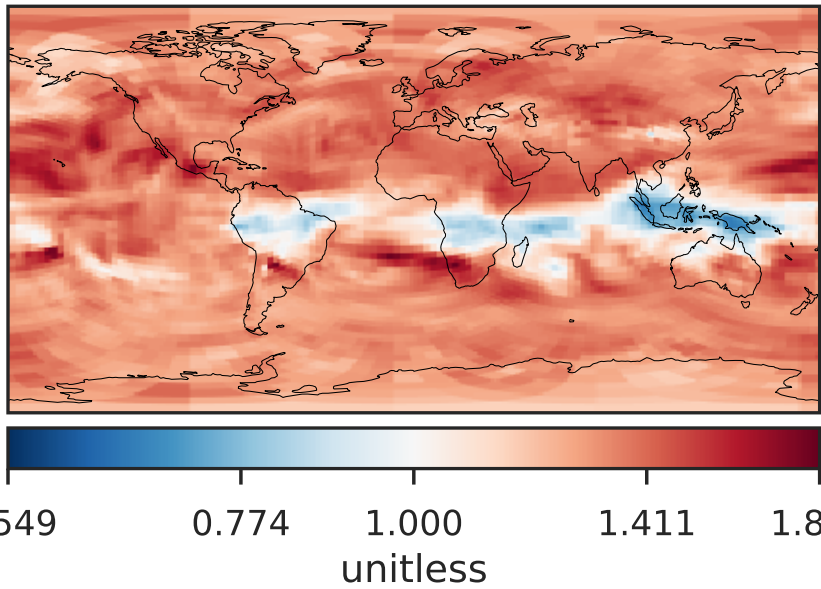
Difference (1x1.25)
Dev - Ref, Dynamic Range



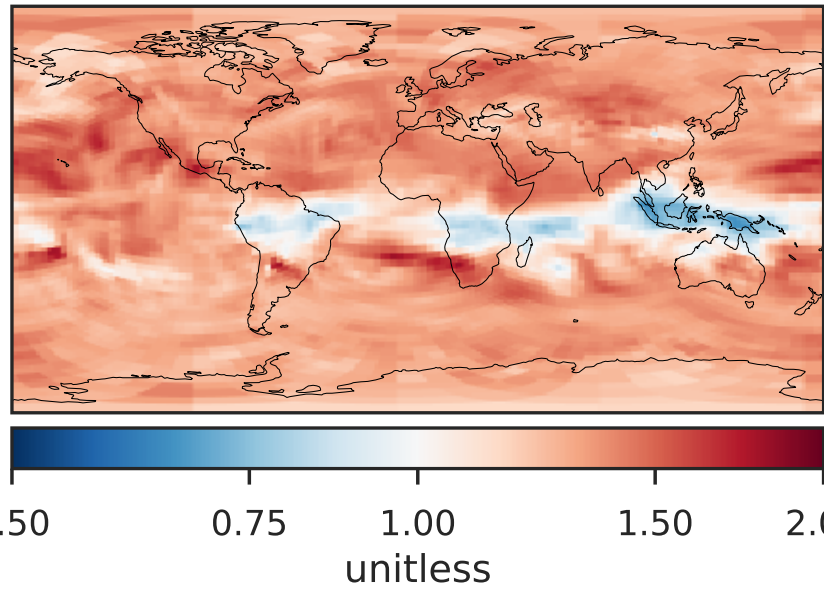
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

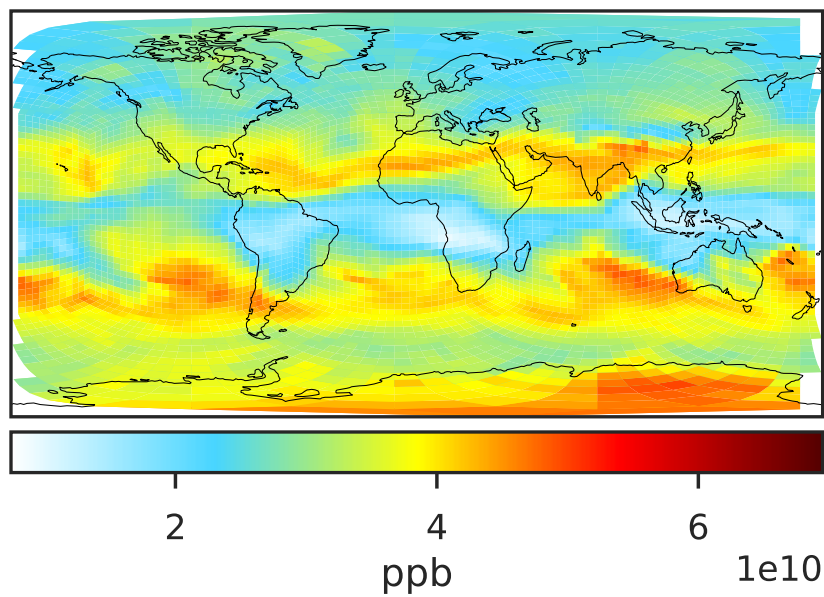


Ratio (1x1.25)
Dev/Ref, Fixed Range

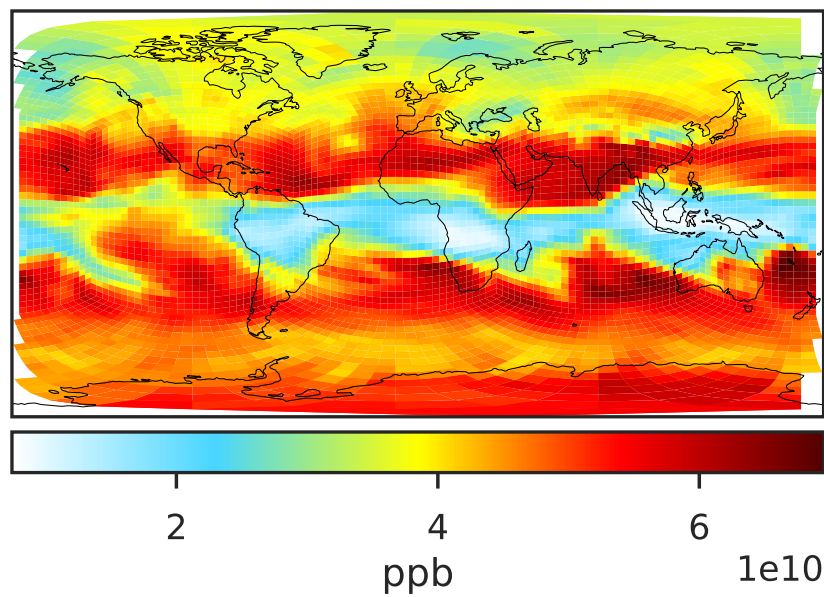


SpeciesConcVV_aoa_bl (Jan2019)

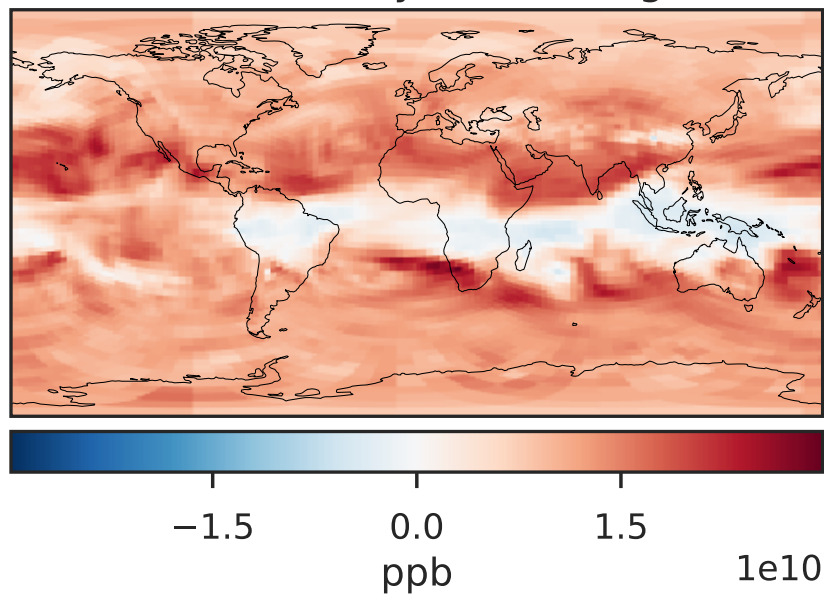
GCHP 14.2.2 using wind (Ref)
c30



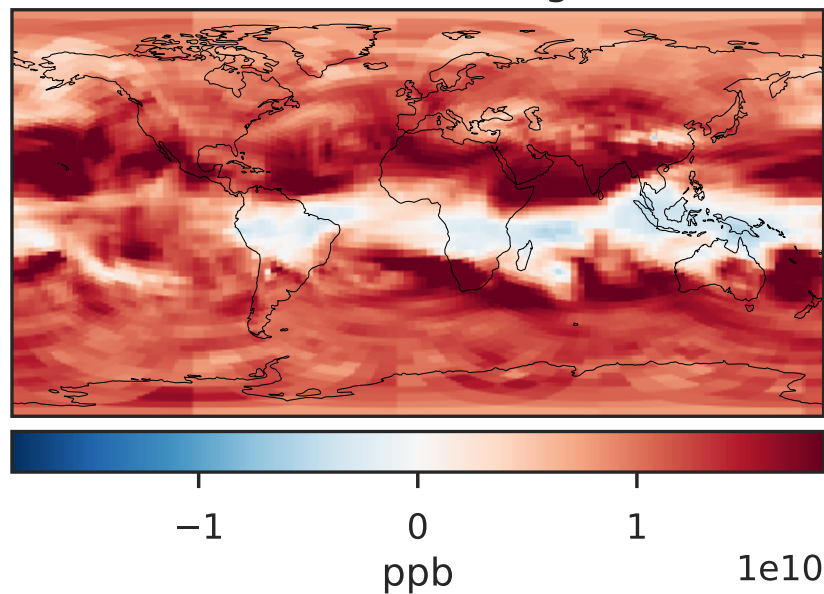
GCHP 14.2.2 using mass flux (Dev)
c30



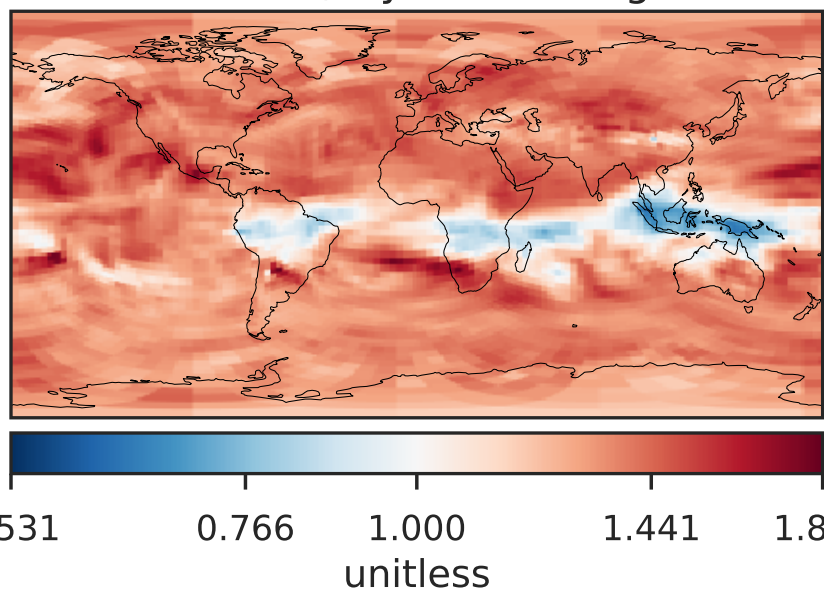
Difference (1x1.25)
Dev - Ref, Dynamic Range



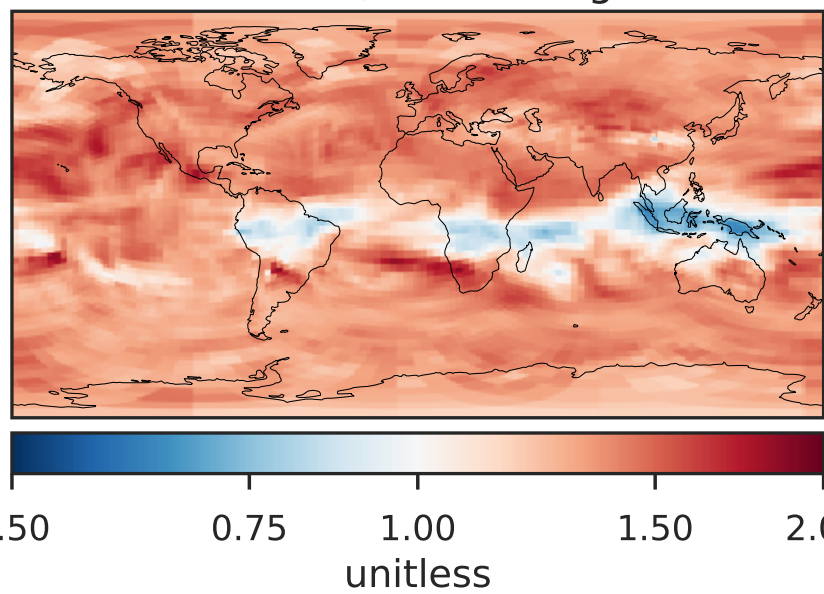
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

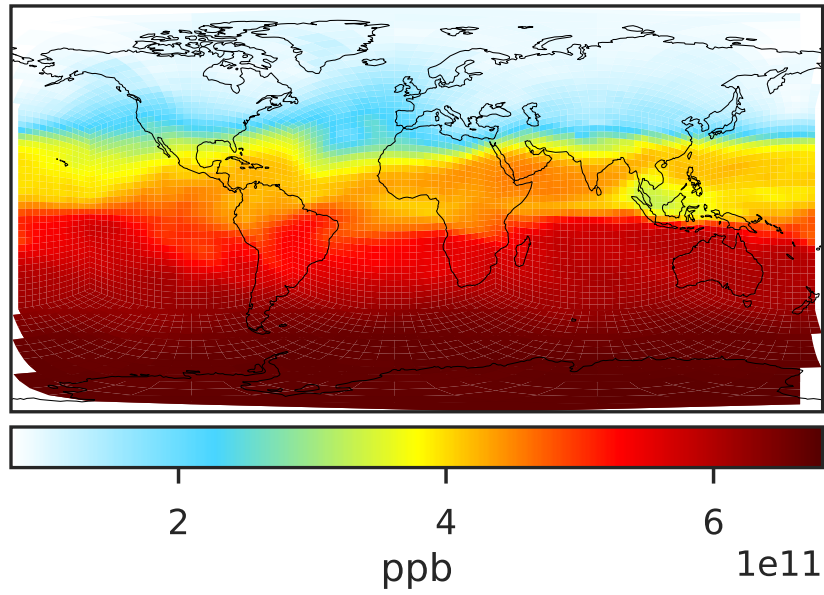


Ratio (1x1.25)
Dev/Ref, Fixed Range

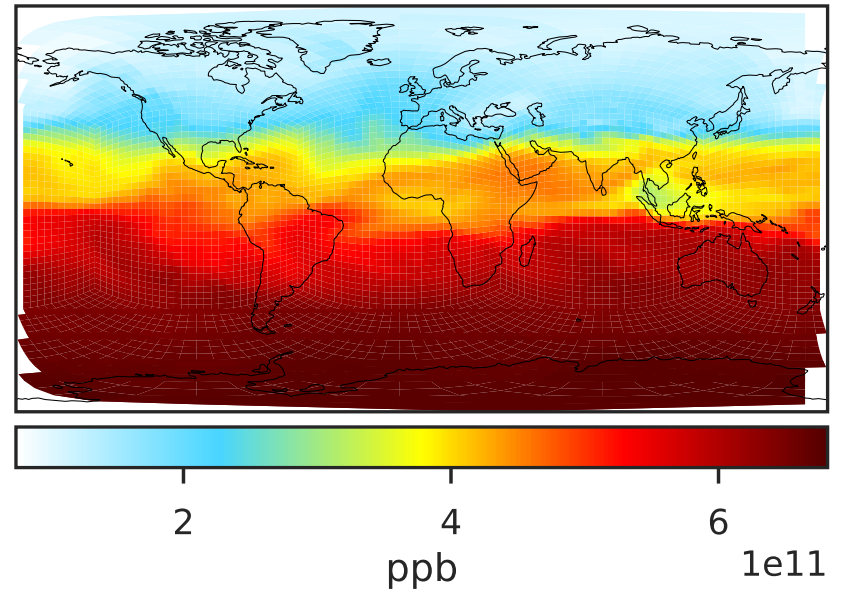


SpeciesConcVV_aoa_nh (Jan2019)

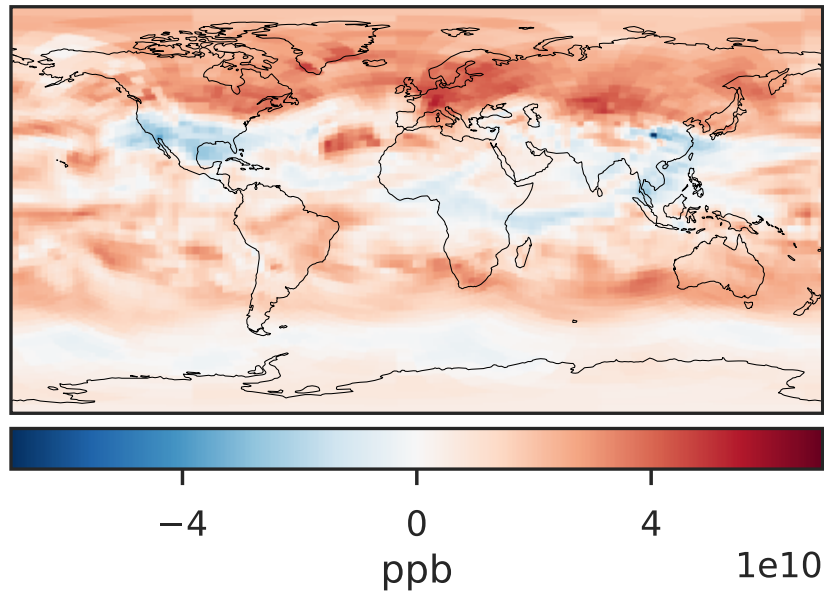
GCHP 14.2.2 using wind (Ref)
c30



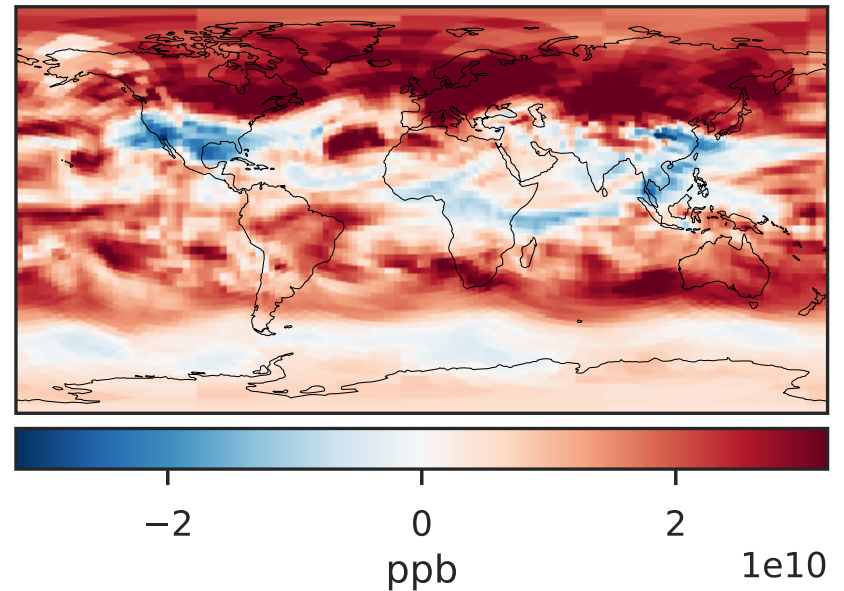
GCHP 14.2.2 using mass flux (Dev)
c30



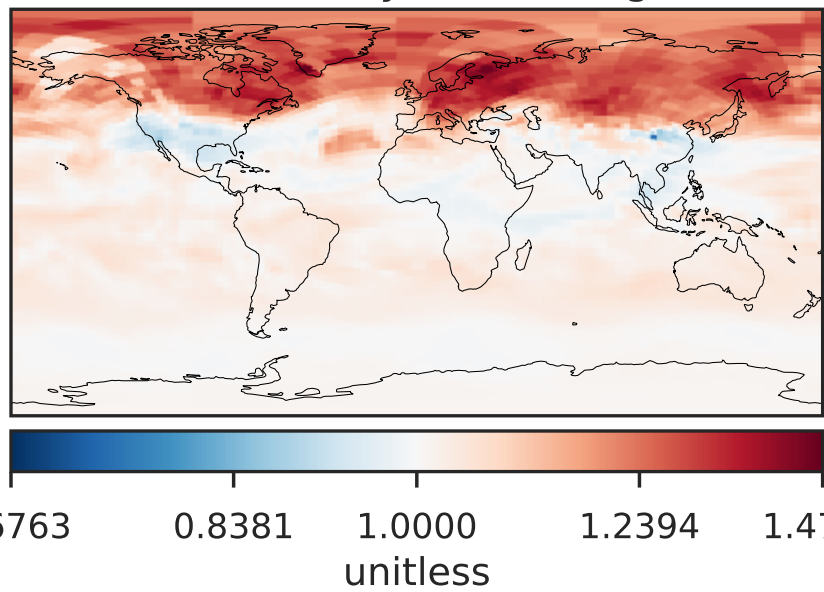
Difference (1x1.25)
Dev - Ref, Dynamic Range



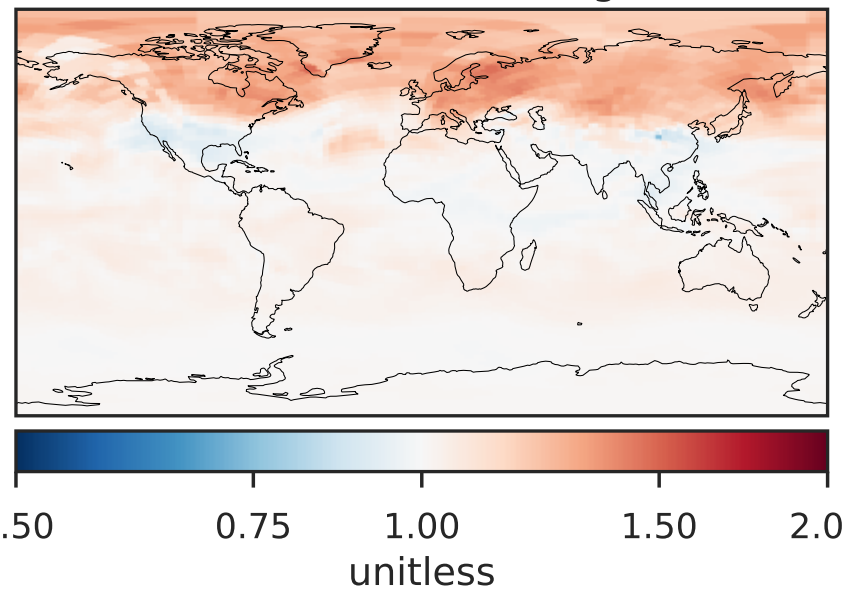
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

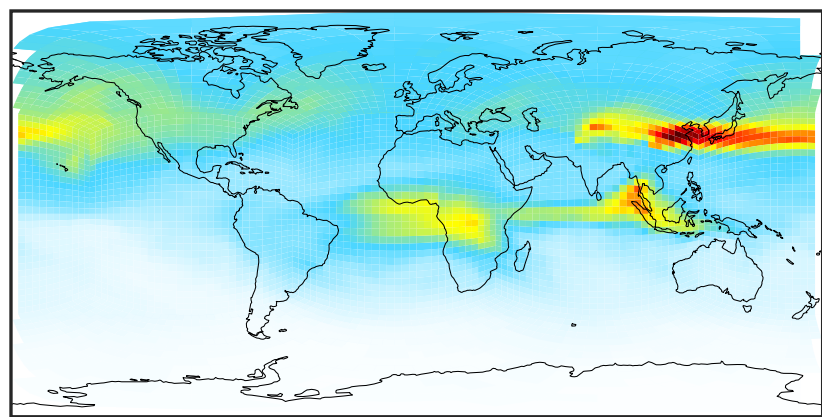


Ratio (1x1.25)
Dev/Ref, Fixed Range



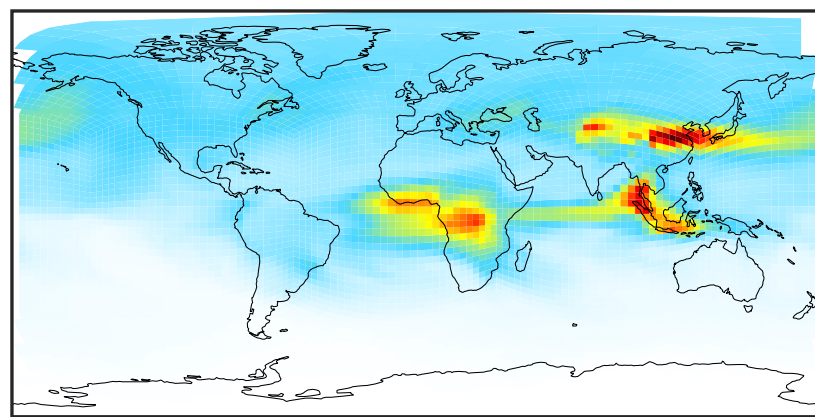
SpeciesConcVV_CO_25 (Jan2019)

GCHP 14.2.2 using wind (Ref)
c30



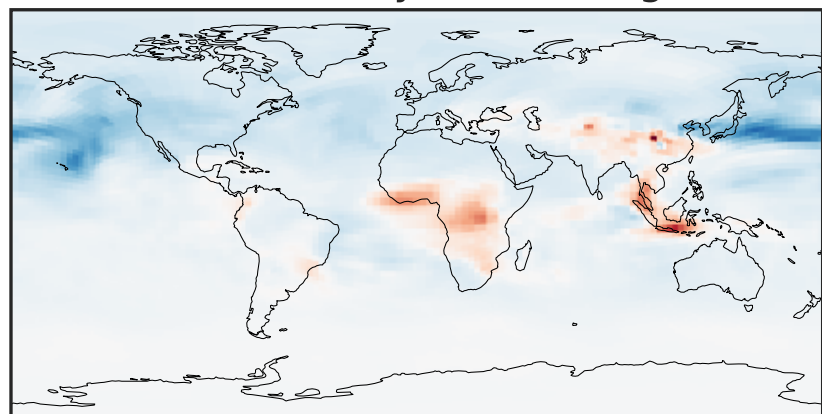
0.59 10.39 20.19 29.99 39.80
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



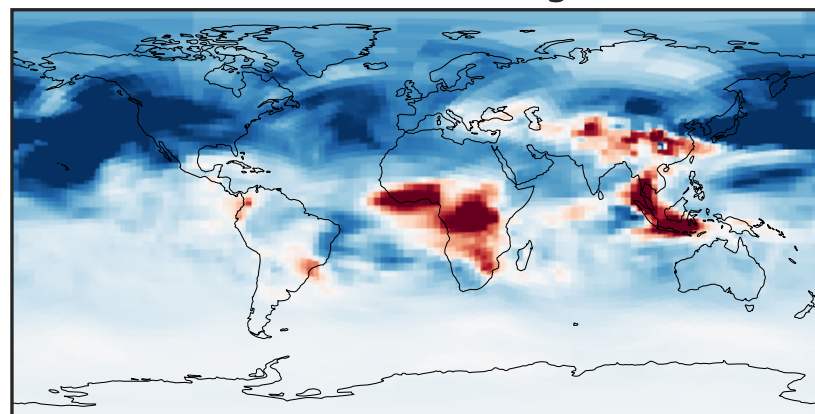
0.59 10.39 20.19 29.99 39.80
ppb

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



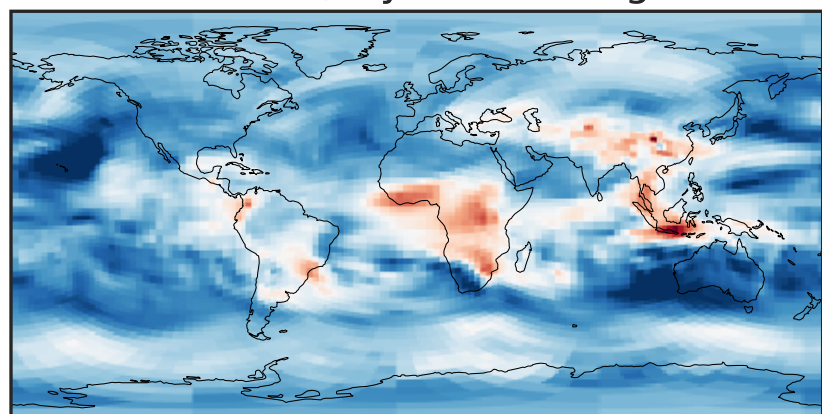
-14.18 -7.09 0.00 7.09 14.18
ppb

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



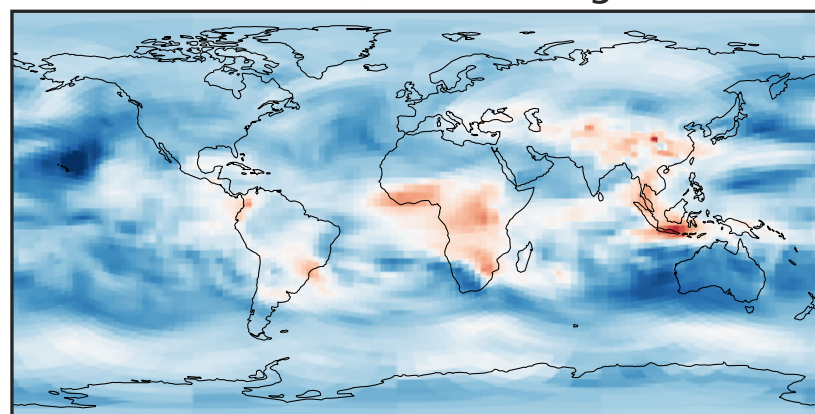
-3.655 -1.828 0.000 1.828 3.655
ppb

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



0.591 0.795 1.000 1.347 1.693
unitless

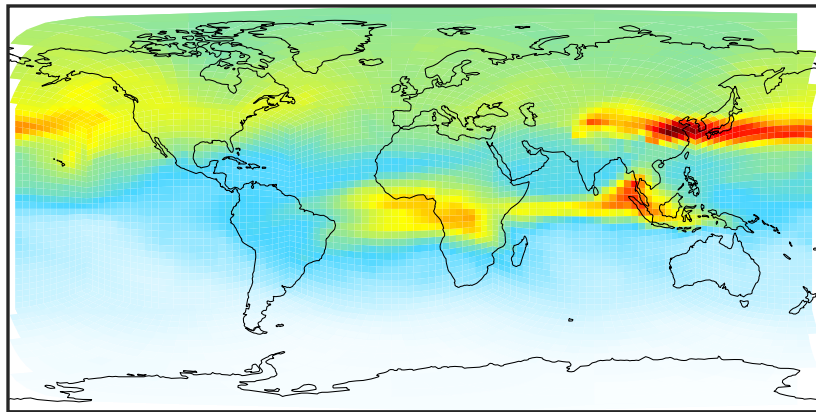
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

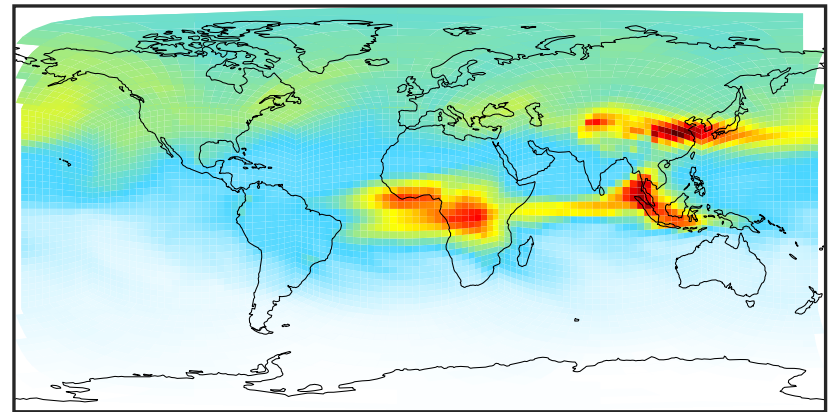
SpeciesConcVV_CO_50 (Jan2019)

GCHP 14.2.2 using wind (Ref)
c30



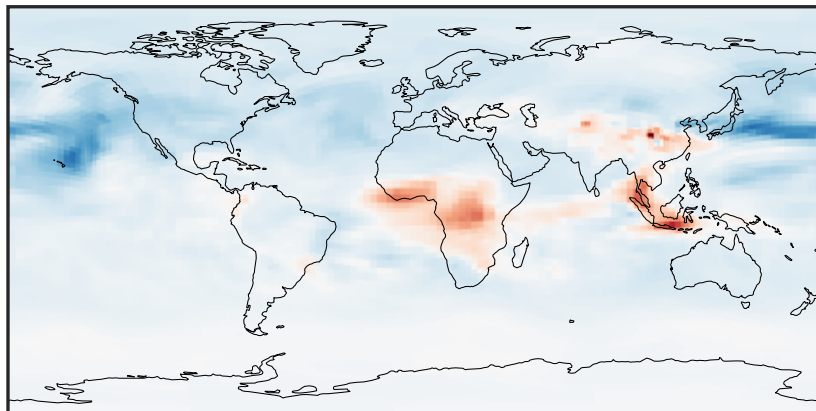
2.65 16.15 29.65 43.15 56.65
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



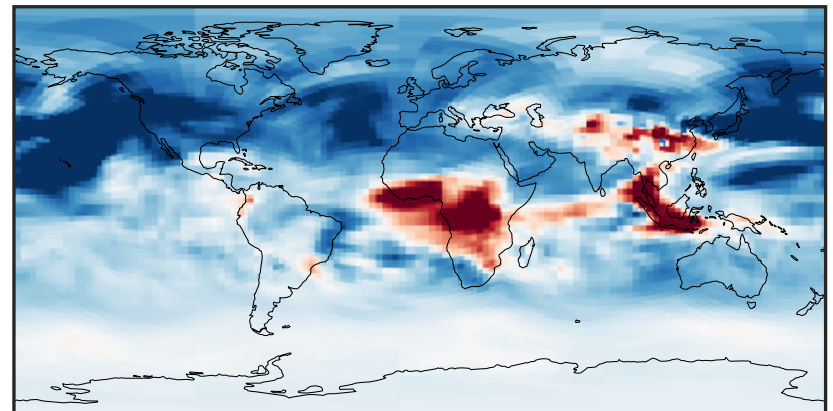
2.65 16.15 29.65 43.15 56.65
ppb

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



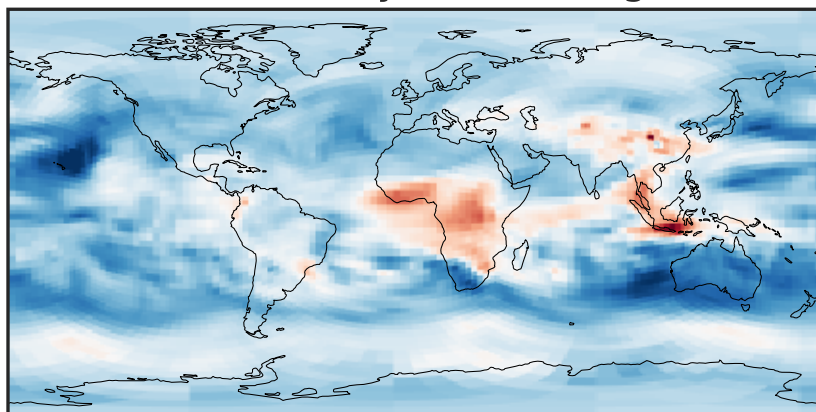
-17.23 -8.62 0.00 8.62 17.23
ppb

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



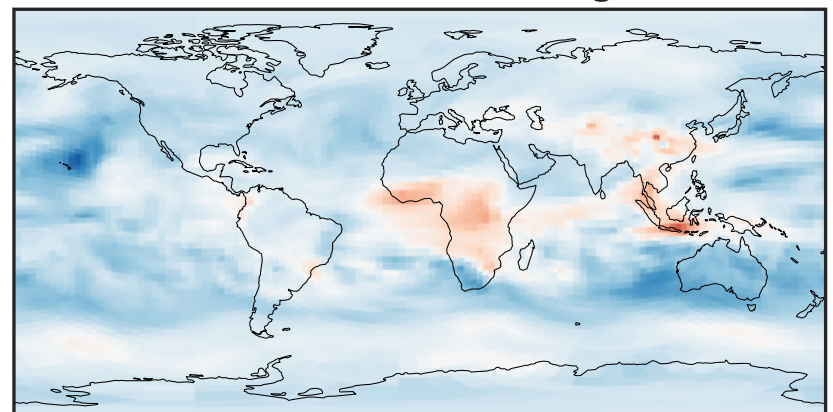
-4.673 -2.336 0.000 2.336 4.673
ppb

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



0.6494 0.8247 1.0000 1.2700 1.5399
unitless

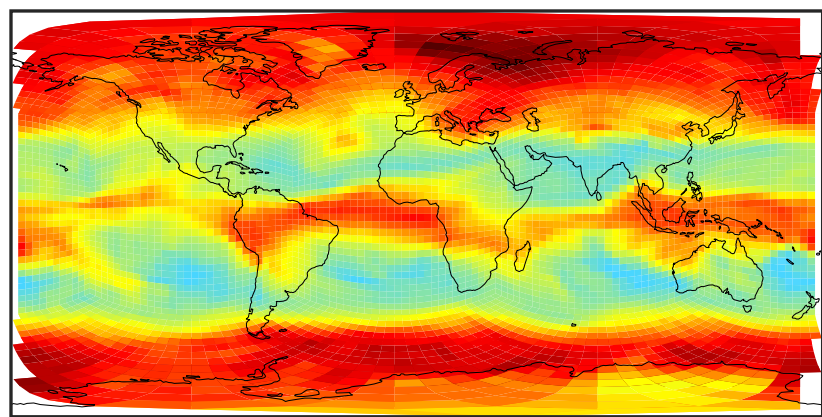
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

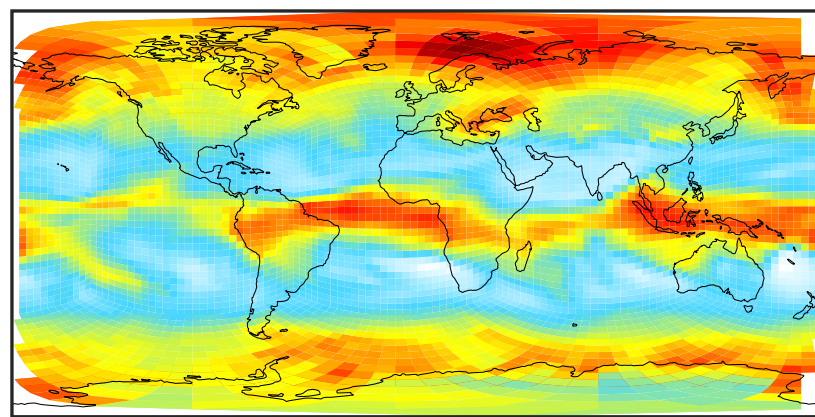
SpeciesConcVW_e90 (Jan2019)

GCHP 14.2.2 using wind (Ref)
c30



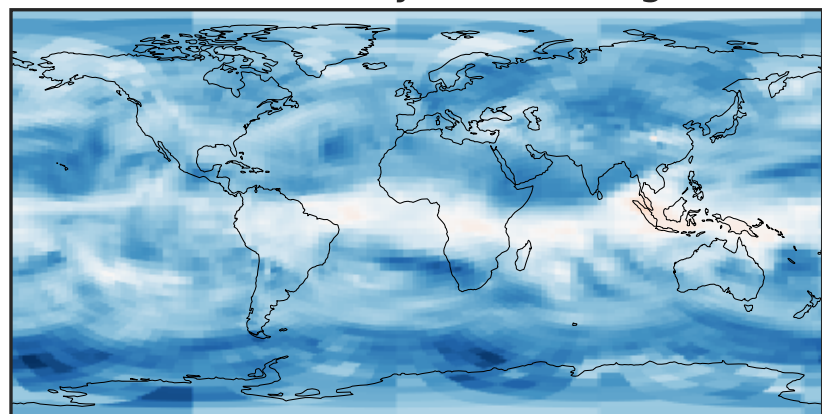
49.48 56.65 63.82 70.99 78.15
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



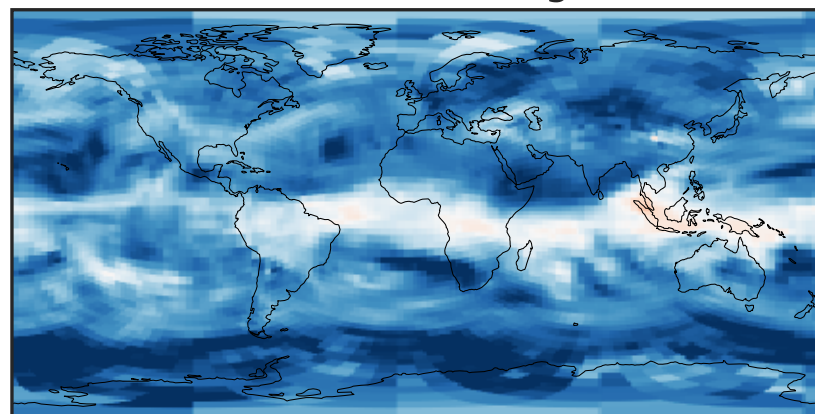
49.48 56.65 63.82 70.99 78.15
ppb

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



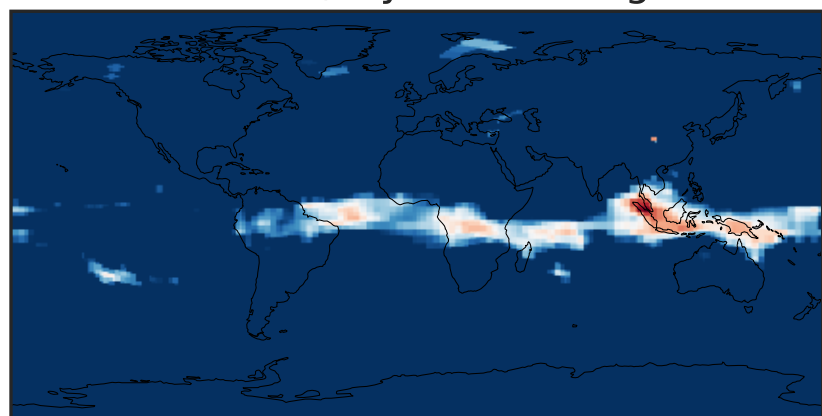
-10.18 -5.09 0.00 5.09 10.18
ppb

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



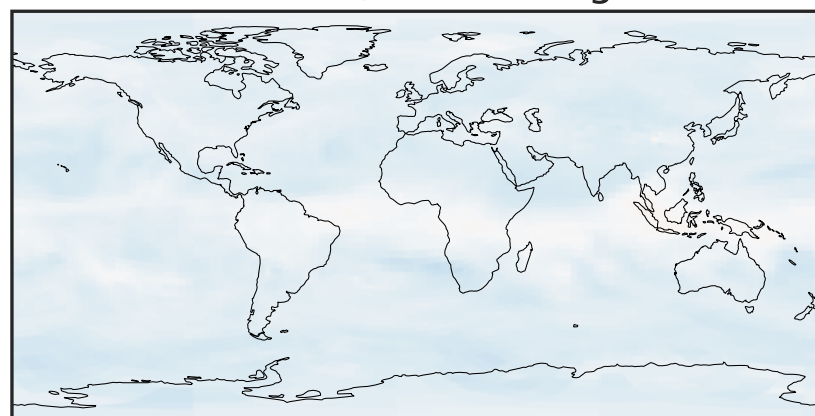
-7.06 -3.53 0.00 3.53 7.06
ppb

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



0.97148 0.98574 1.00000 1.01468 1.02936
unitless

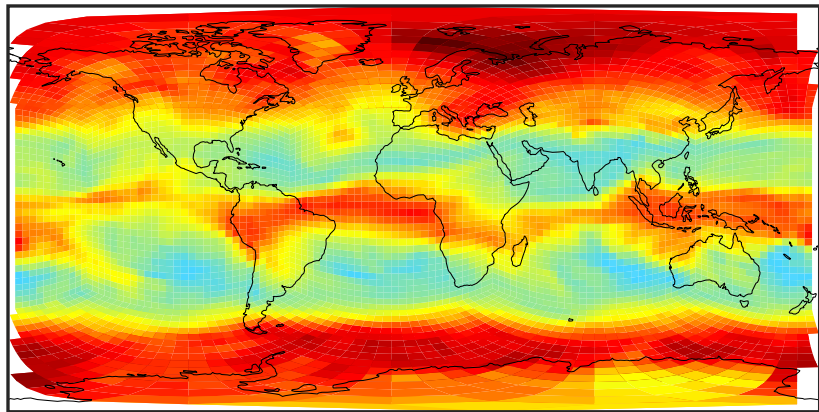
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

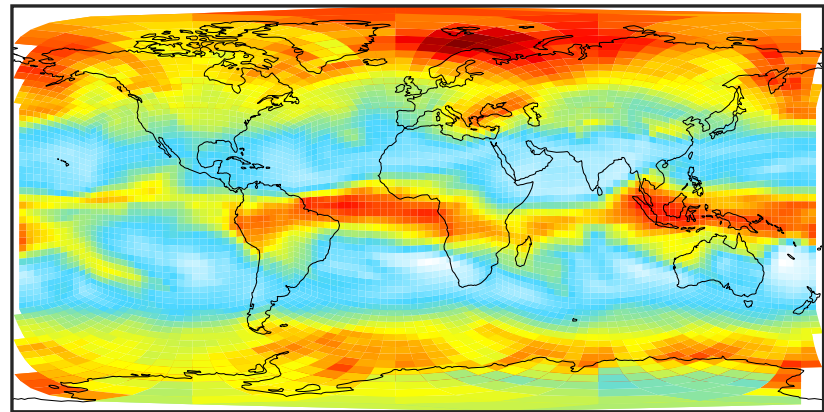
SpeciesConcVV_e90_n (Jan2019)

GCHP 14.2.2 using wind (Ref)
c30



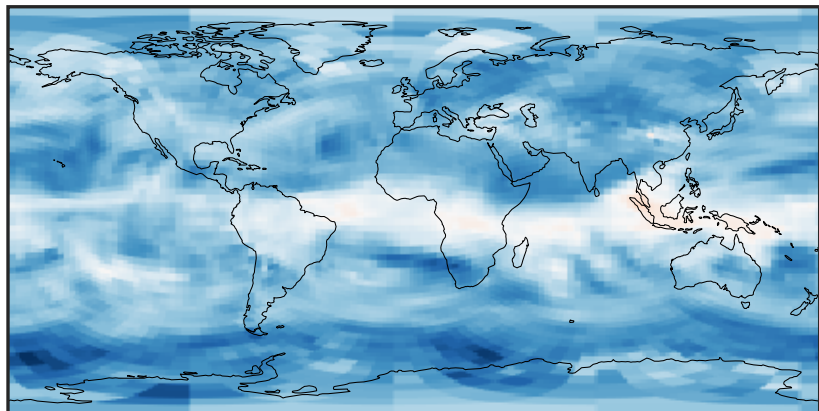
49.48 56.65 63.82 70.99 78.15
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



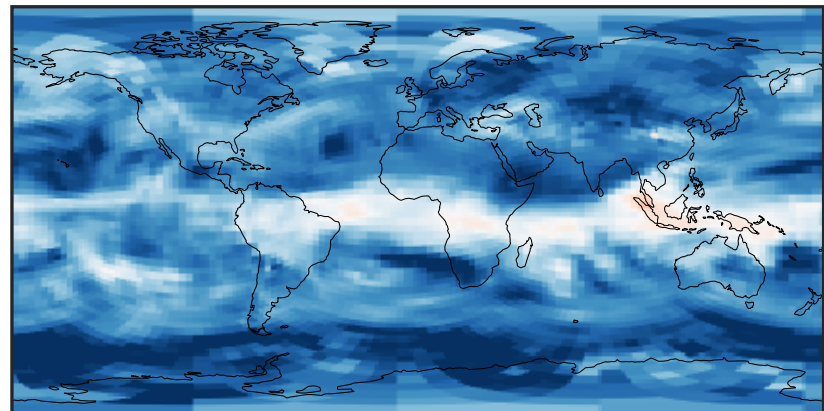
49.48 56.65 63.82 70.99 78.15
ppb

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



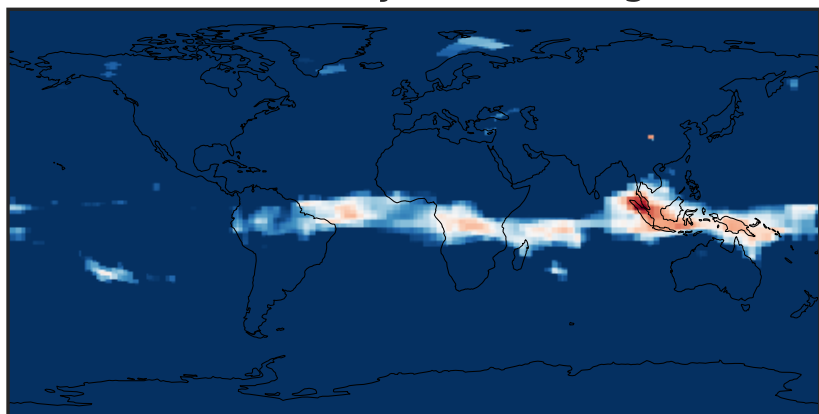
-10.18 -5.09 0.00 5.09 10.18
ppb

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



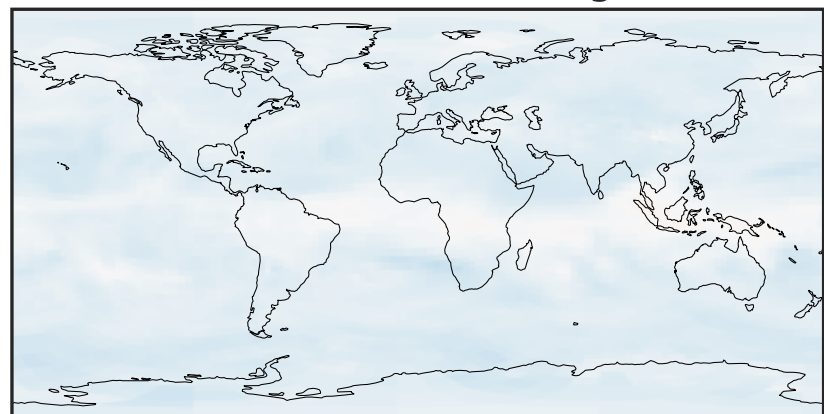
-7.06 -3.53 0.00 3.53 7.06
ppb

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



0.97148 0.98574 1.00000 1.01468 1.02936
unitless

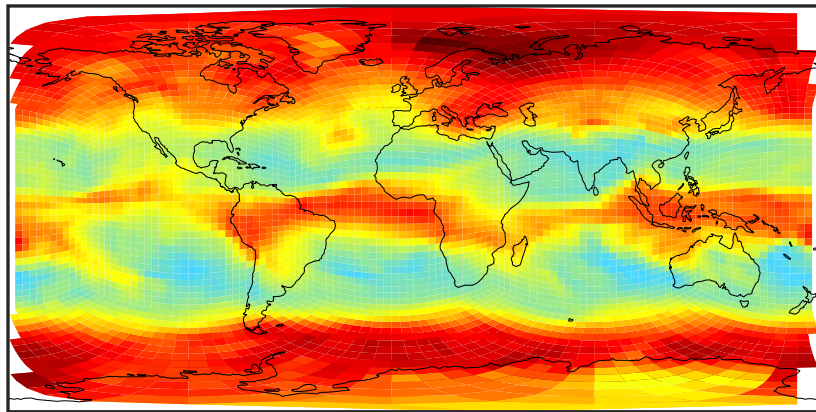
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

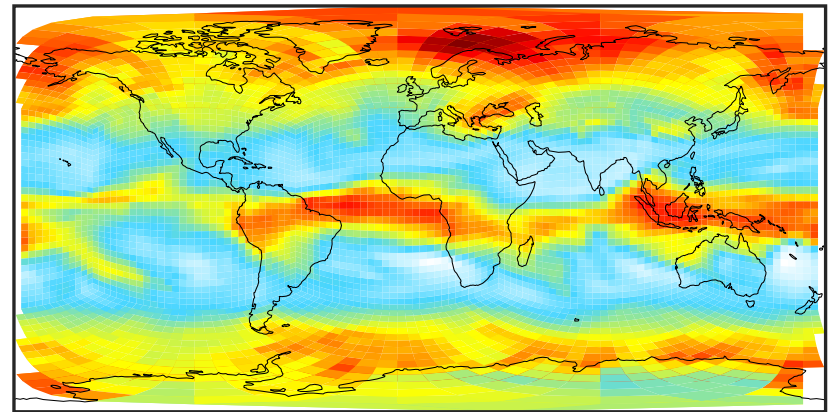
SpeciesConcVV_e90_s (Jan2019)

GCHP 14.2.2 using wind (Ref)
c30



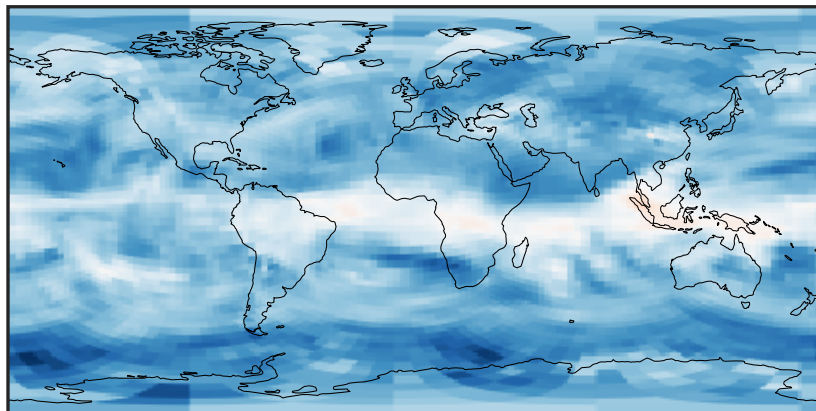
49.48 56.65 63.82 70.99 78.15
ppb

GCHP 14.2.2 using mass flux (Dev)
c30



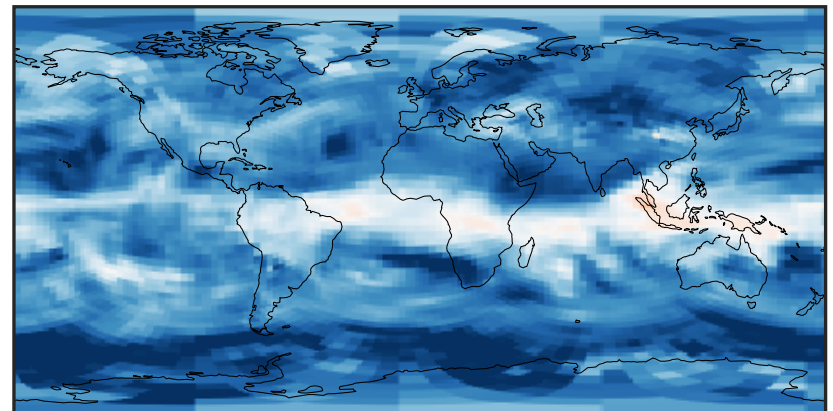
49.48 56.65 63.82 70.99 78.15
ppb

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



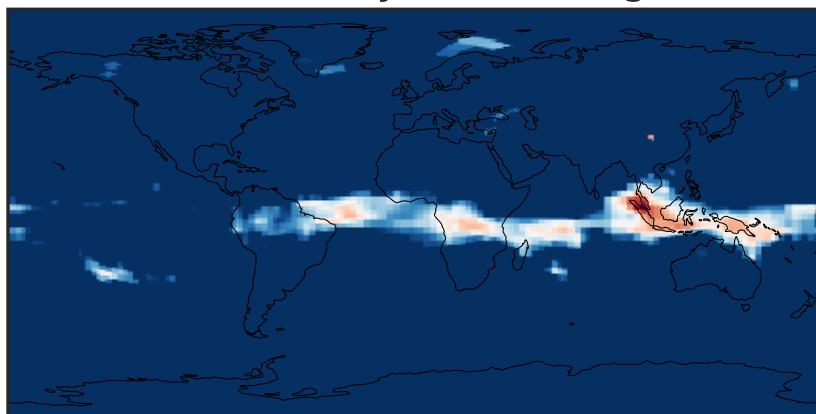
-10.18 -5.09 0.00 5.09 10.18
ppb

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



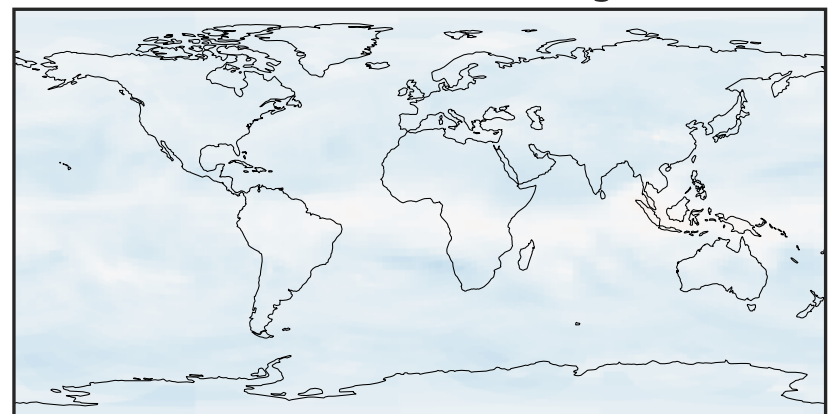
-7.06 -3.53 0.00 3.53 7.06
ppb

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



0.97148 0.98574 1.00000 1.01468 1.02936
unitless

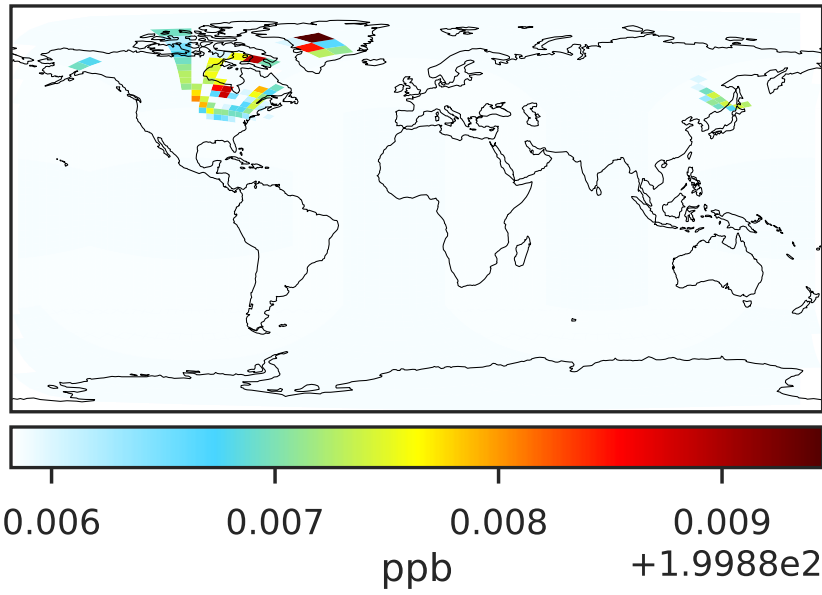
Ratio (1x1.25)
Dev/Ref, Fixed Range



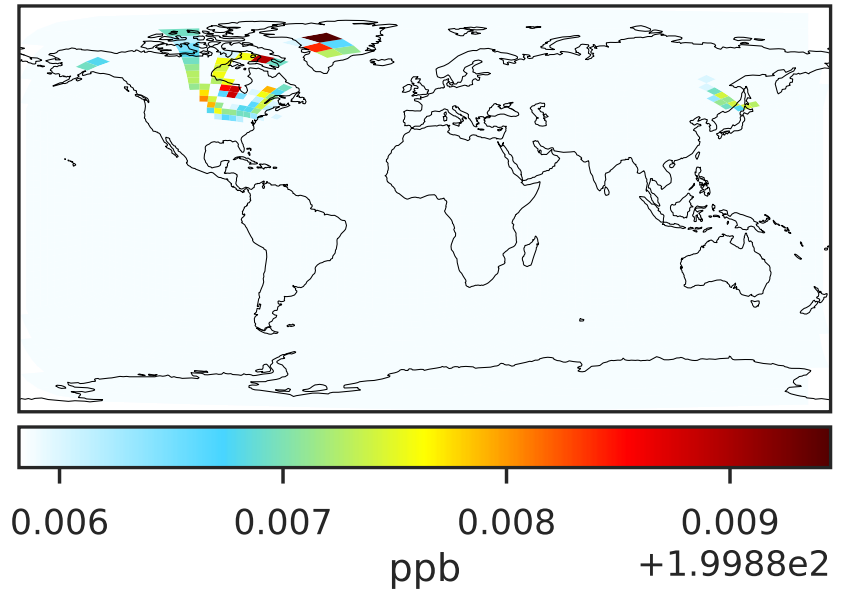
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_st80_25 (Jan2019)

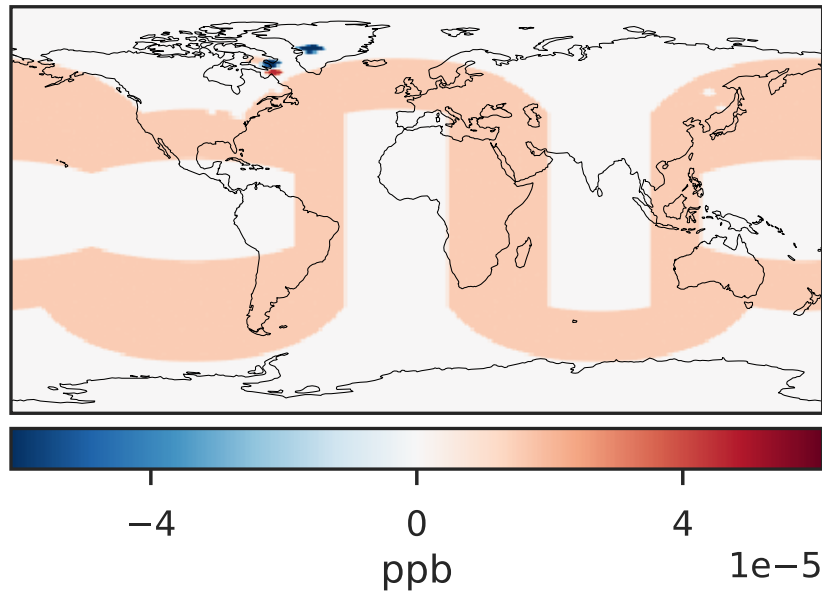
GCHP 14.2.2 using wind (Ref)
c30



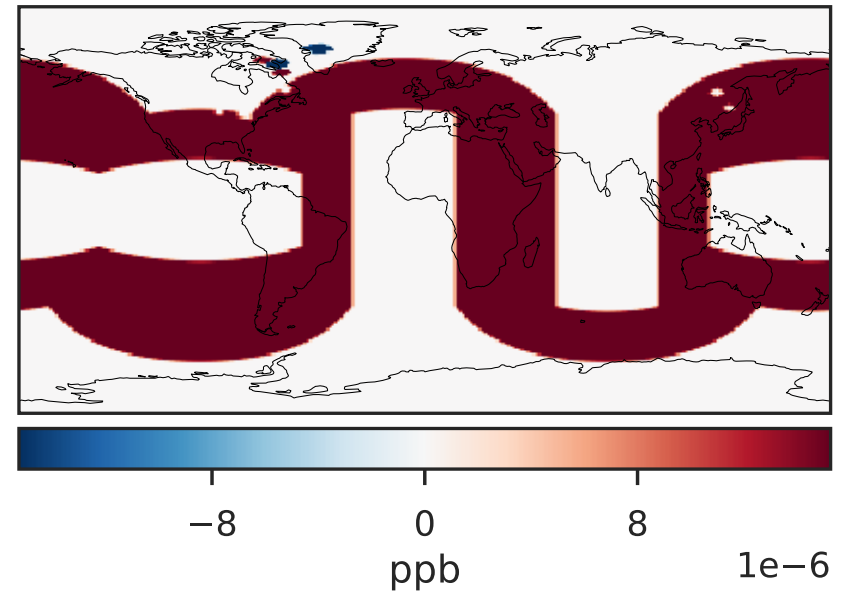
GCHP 14.2.2 using mass flux (Dev)
c30



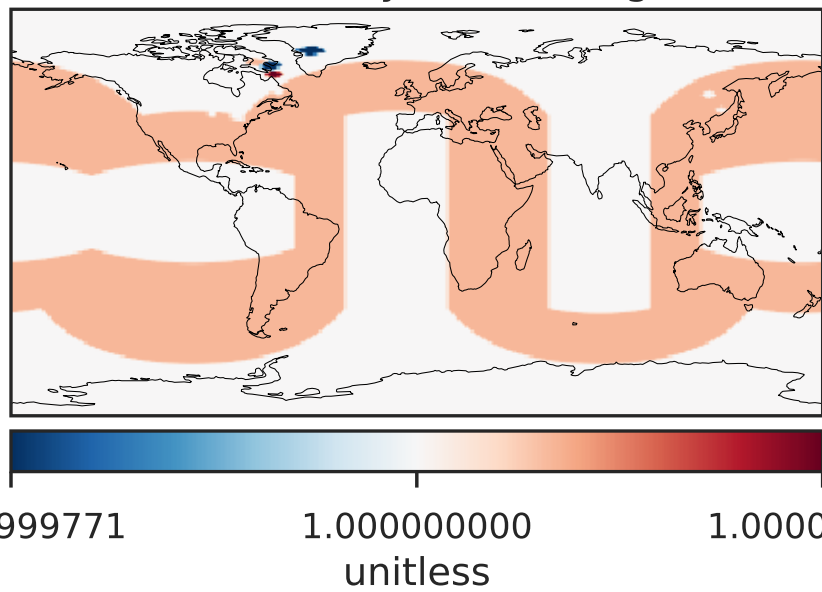
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

