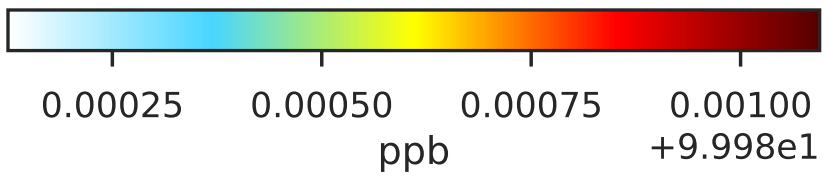
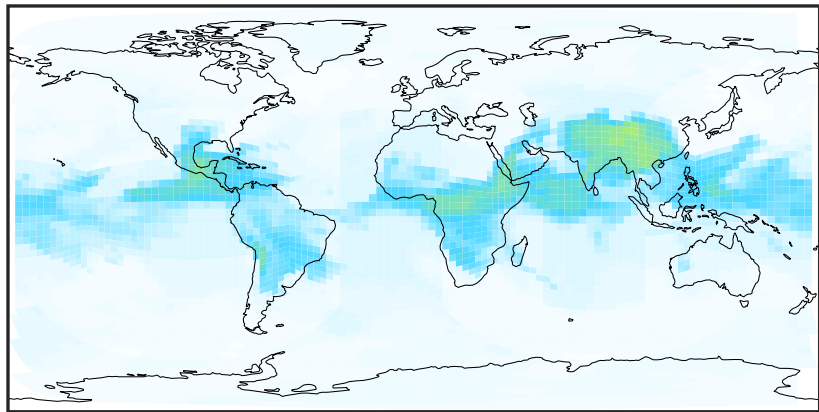
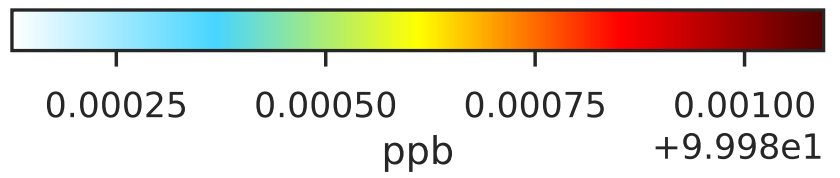
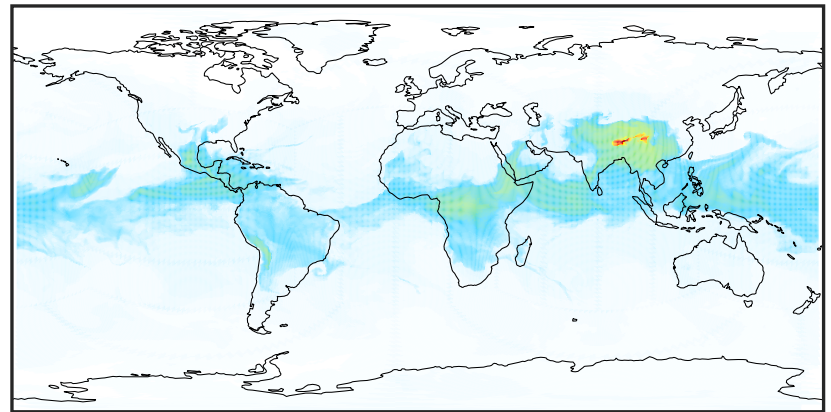


SpeciesConcVV_PassiveTracer (Apr2019)

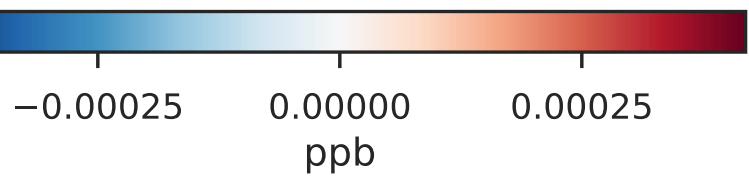
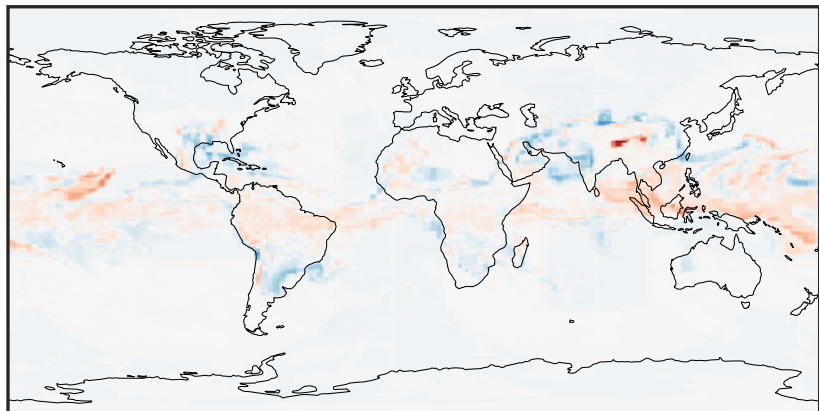
GCHP 14.2.2 using wind (c30) (Ref)
c30



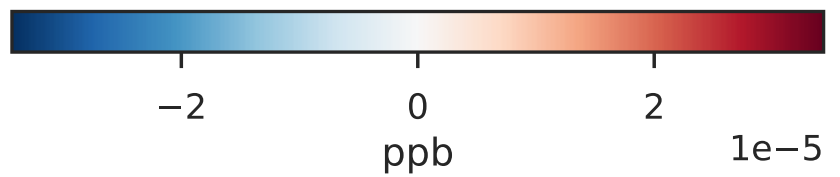
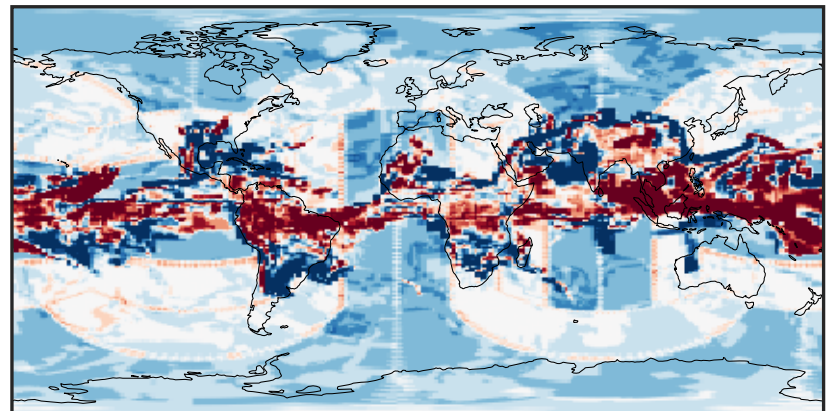
GCHP 14.2.2 using wind (c180) (Dev)
c180



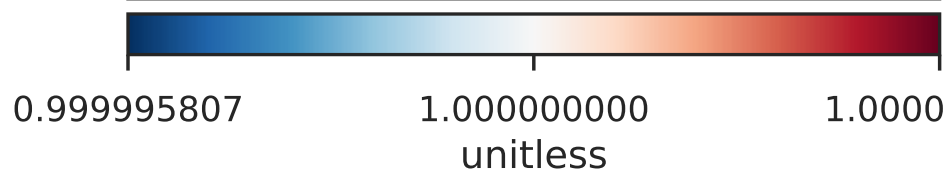
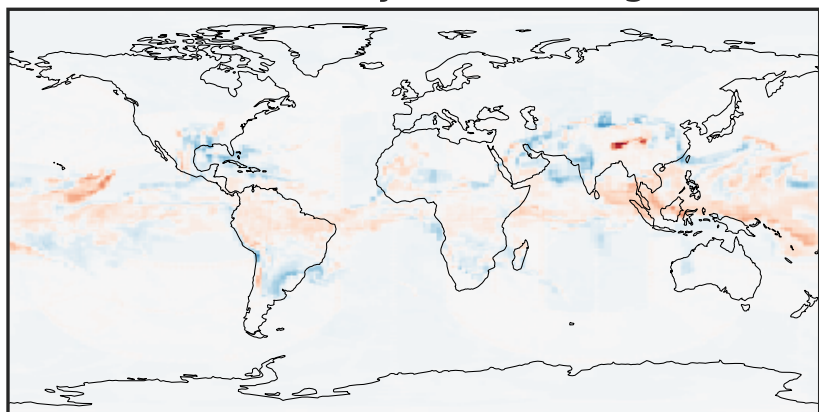
Difference (1x1.25)
Dev - Ref, Dynamic Range



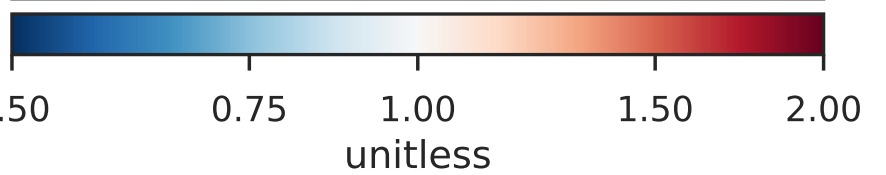
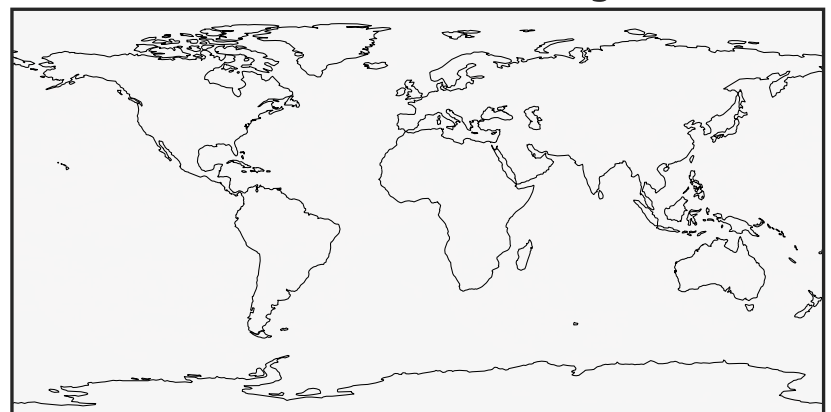
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

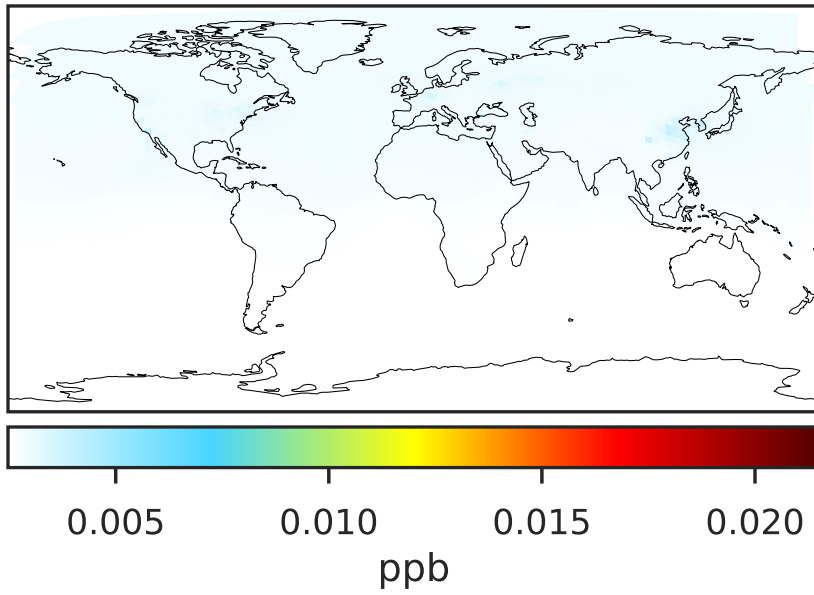


Ratio (1x1.25)
Dev/Ref, Fixed Range

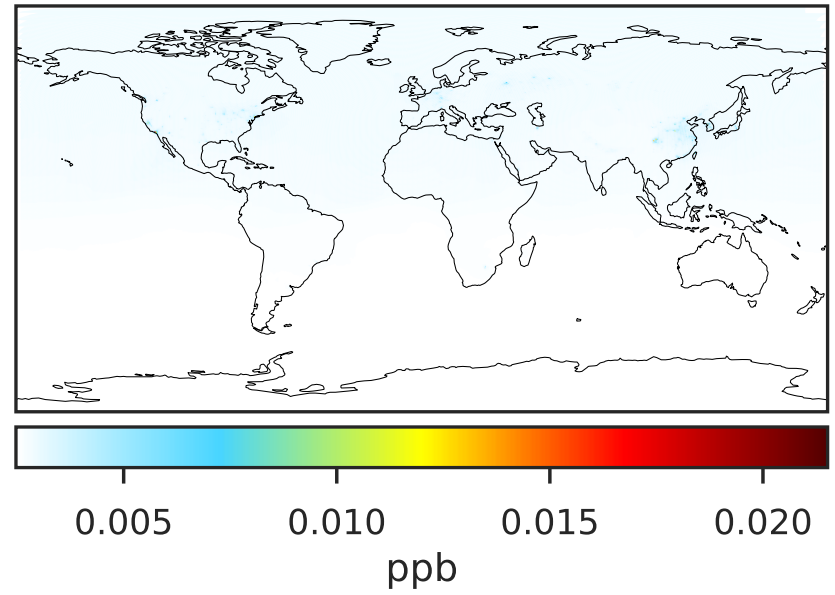


SpeciesConcVV_SF6 (Apr2019)

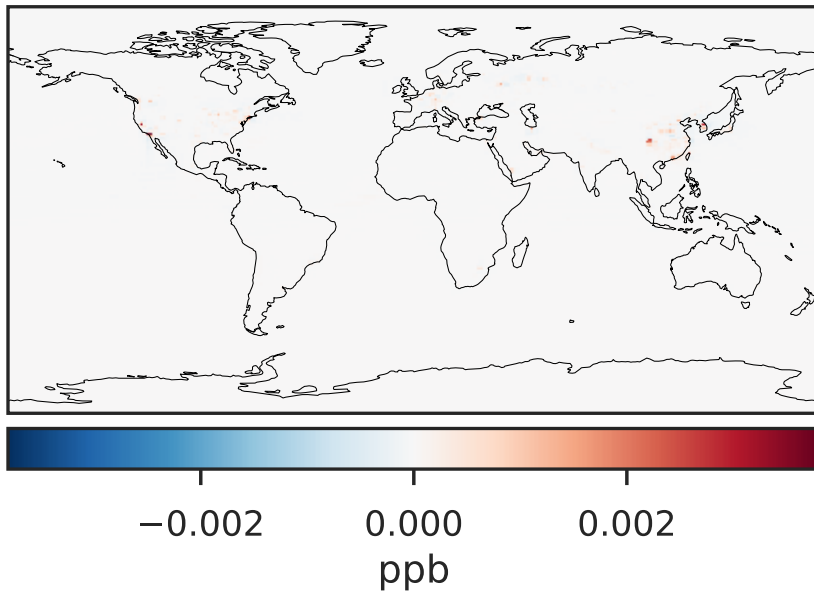
GCHP 14.2.2 using wind (c30) (Ref)
c30



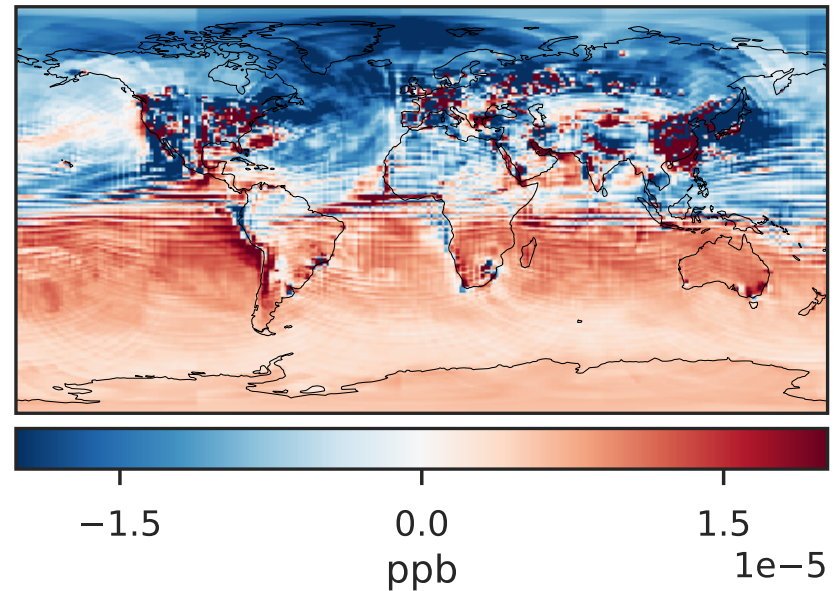
GCHP 14.2.2 using wind (c180) (Dev)
c180



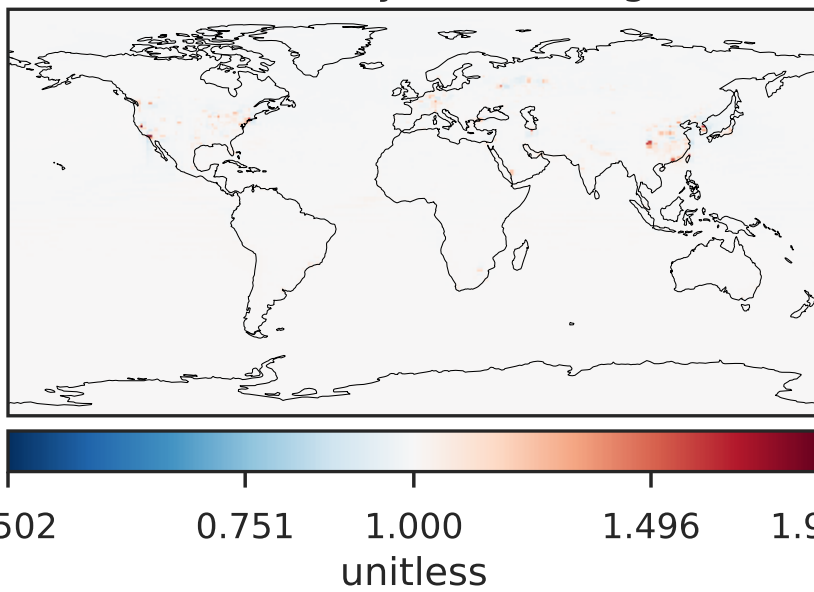
Difference (1x1.25)
Dev - Ref, Dynamic Range



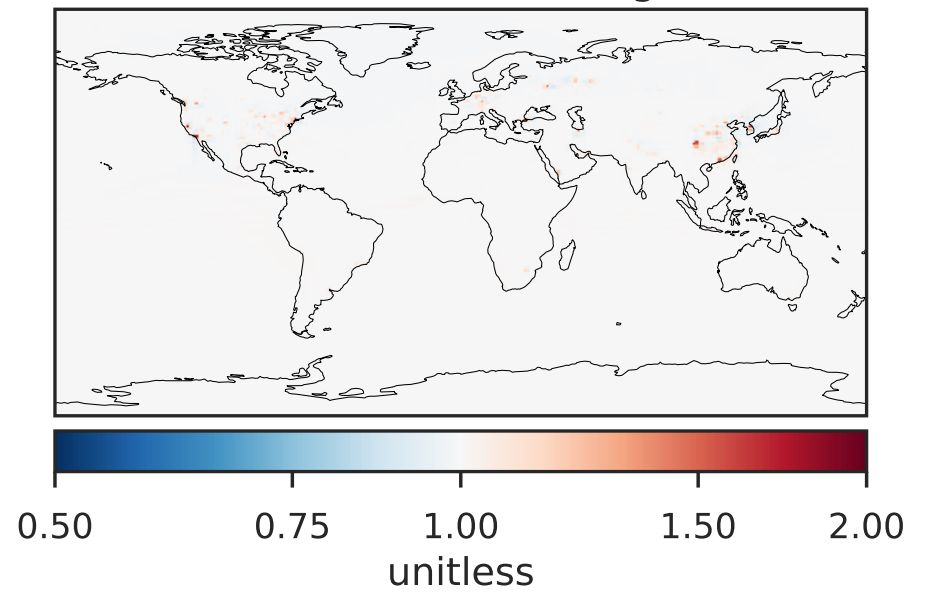
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

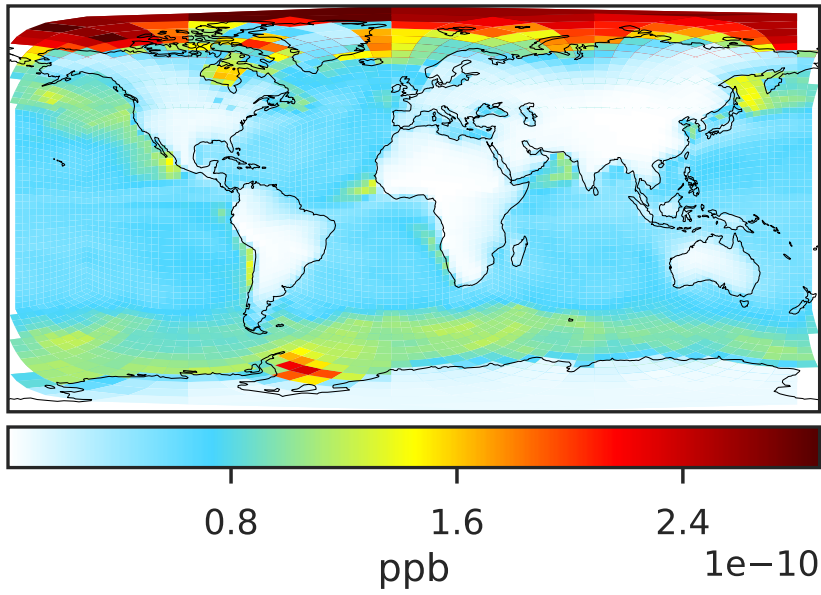


Ratio (1x1.25)
Dev/Ref, Fixed Range

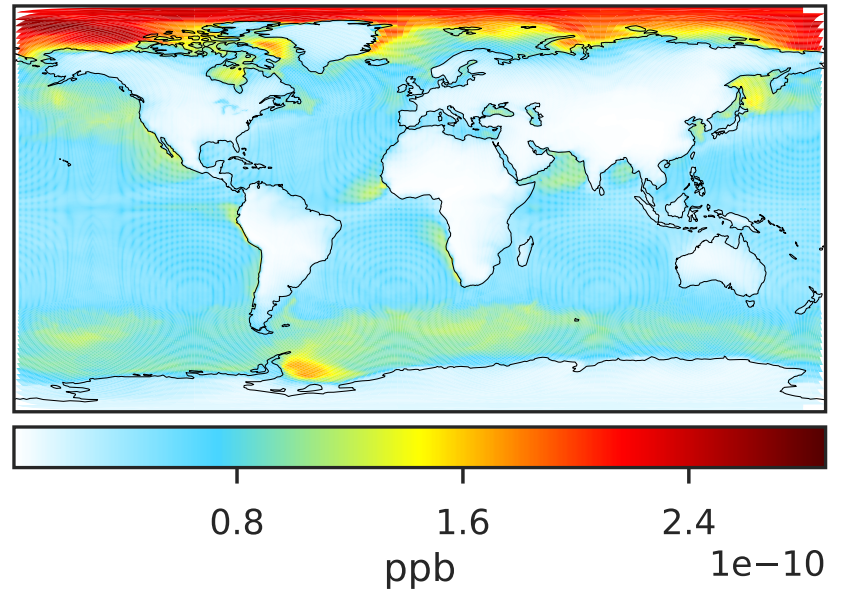


SpeciesConcVV_CH3I (Apr2019)

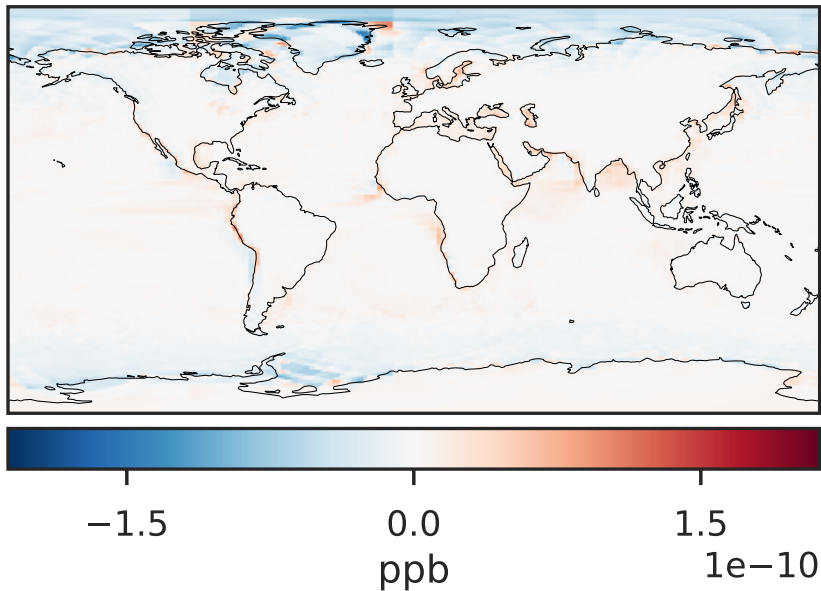
GCHP 14.2.2 using wind (c30) (Ref)
c30



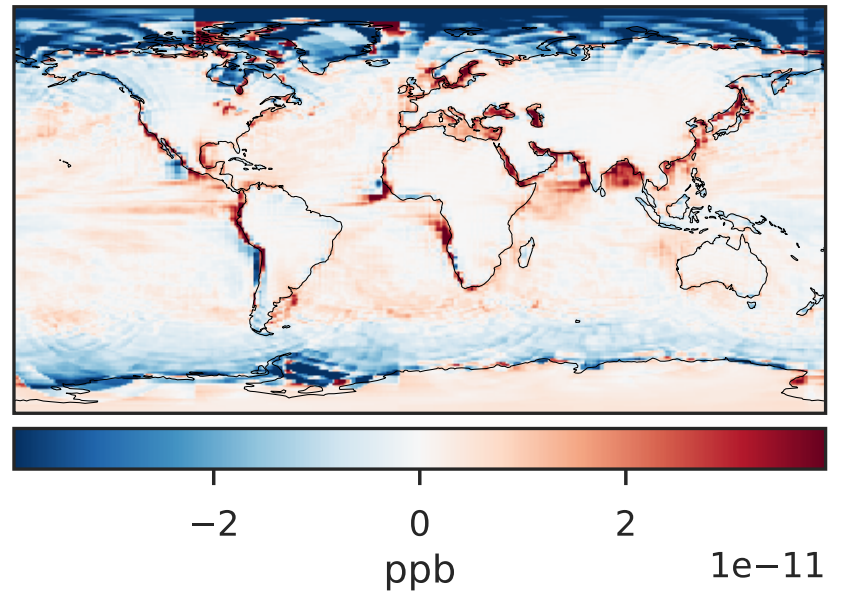
GCHP 14.2.2 using wind (c180) (Dev)
c180



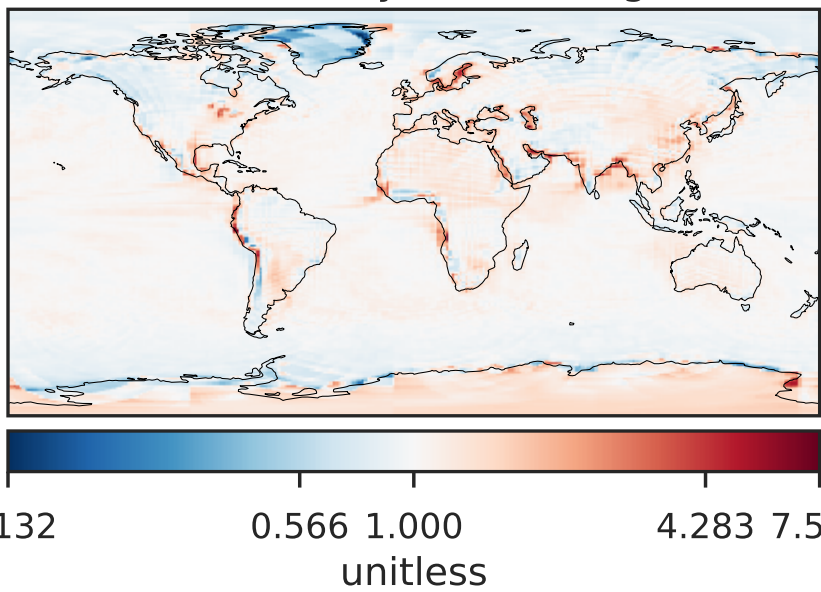
Difference (1x1.25)
Dev - Ref, Dynamic Range



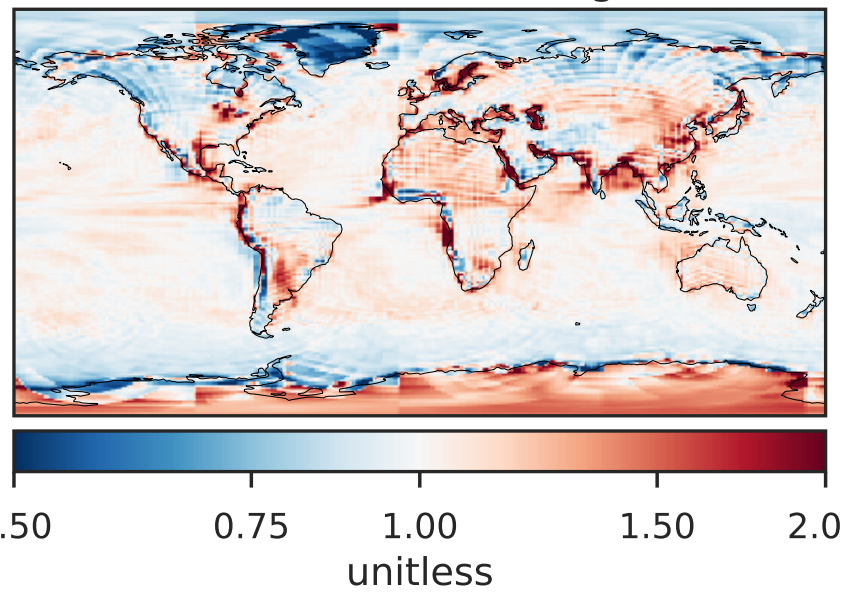
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

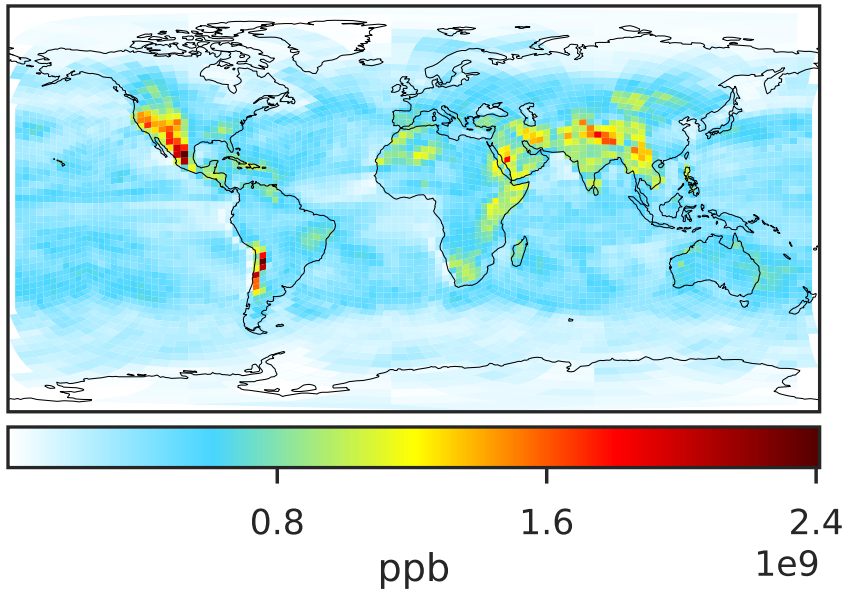


Ratio (1x1.25)
Dev/Ref, Fixed Range

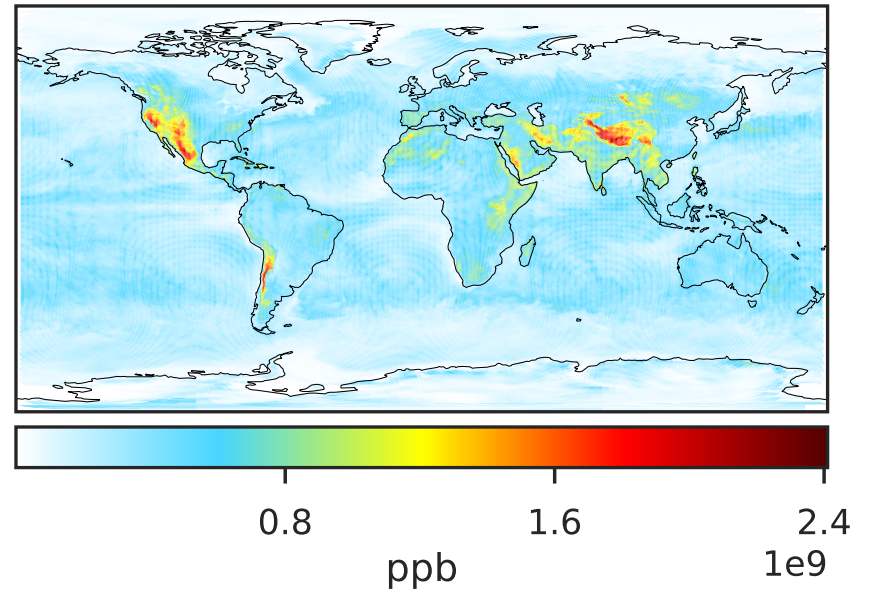


SpeciesConcVV_aoa (Apr2019)

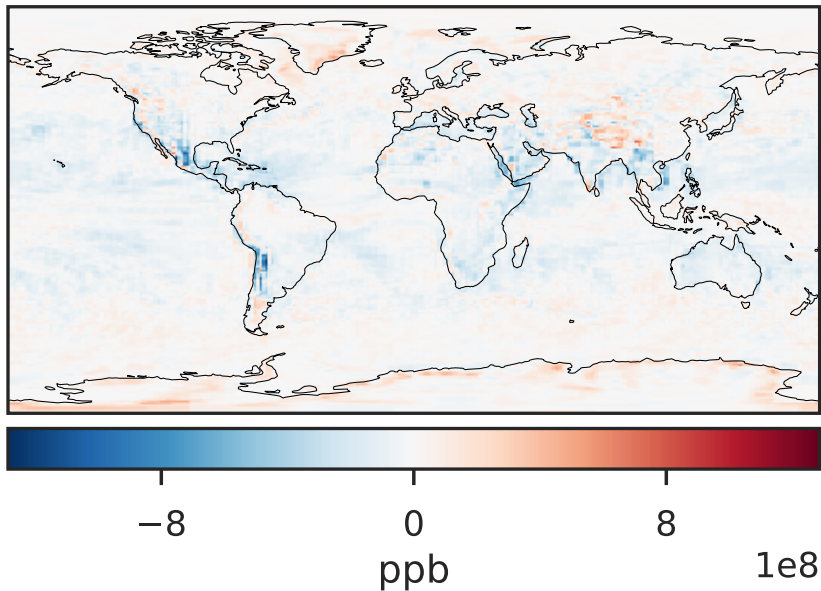
GCHP 14.2.2 using wind (c30) (Ref)
c30



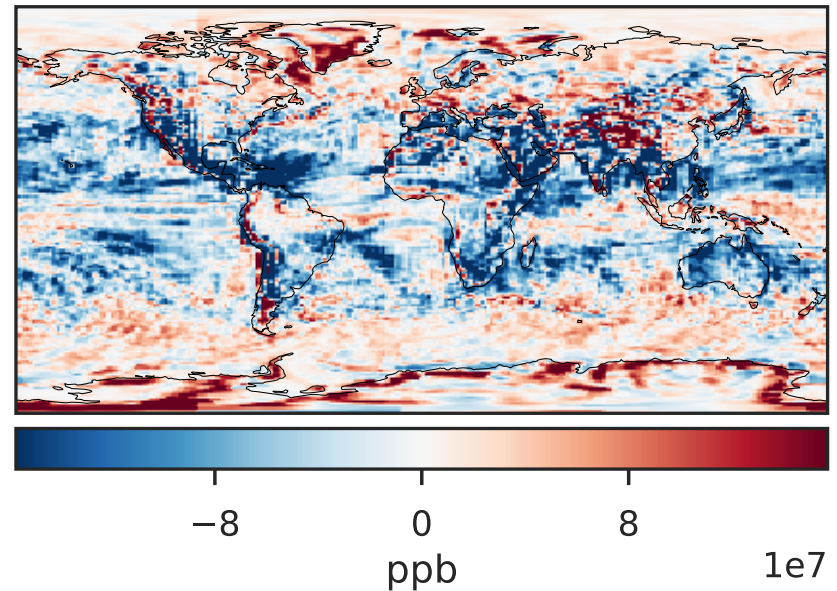
GCHP 14.2.2 using wind (c180) (Dev)
c180



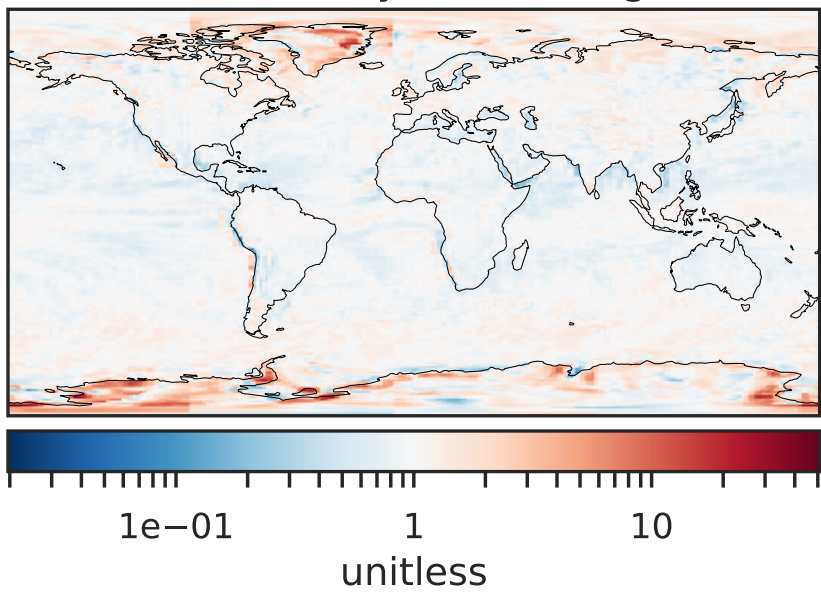
Difference (1x1.25)
Dev - Ref, Dynamic Range



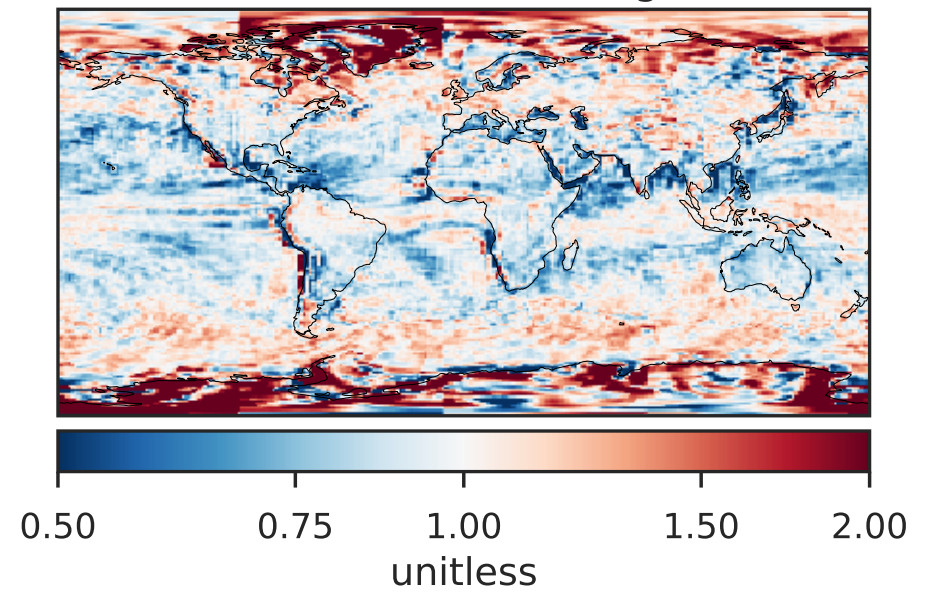
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

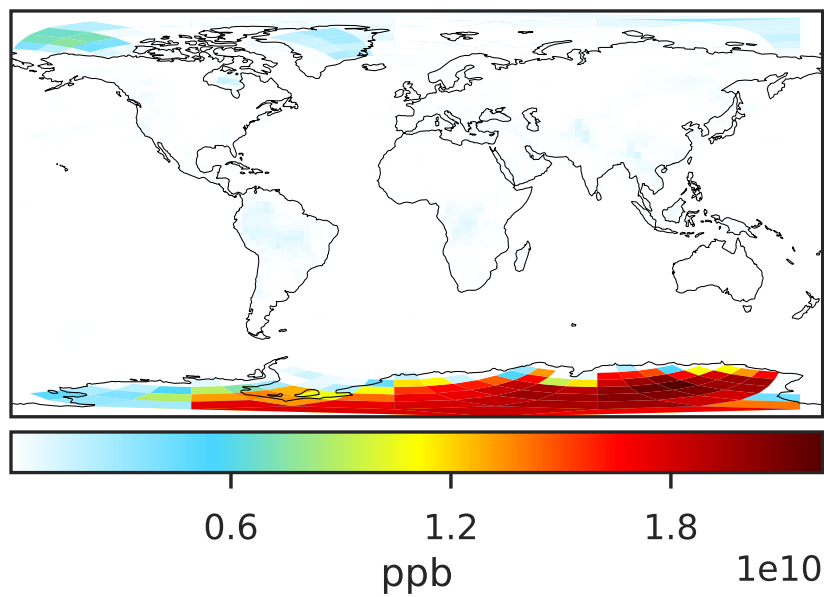


Ratio (1x1.25)
Dev/Ref, Fixed Range

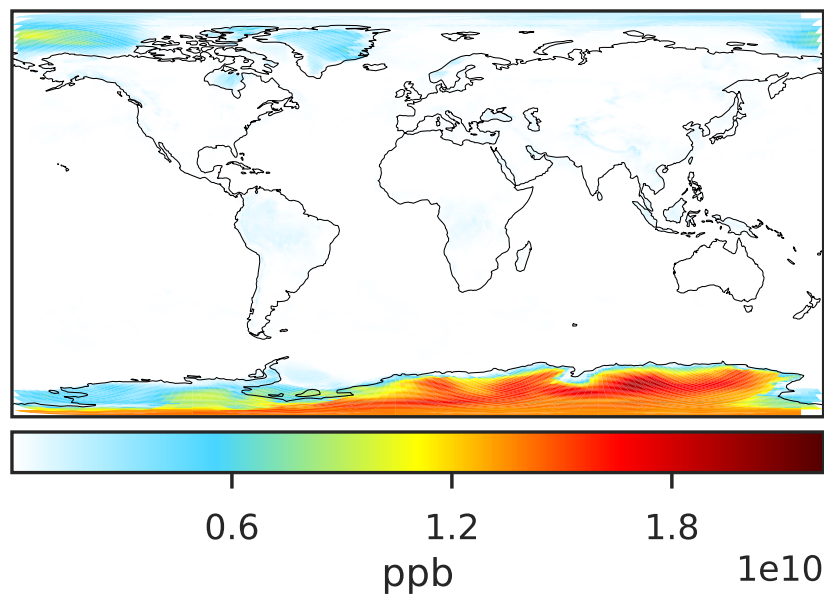


SpeciesConcVV_aoa_bl (Apr2019)

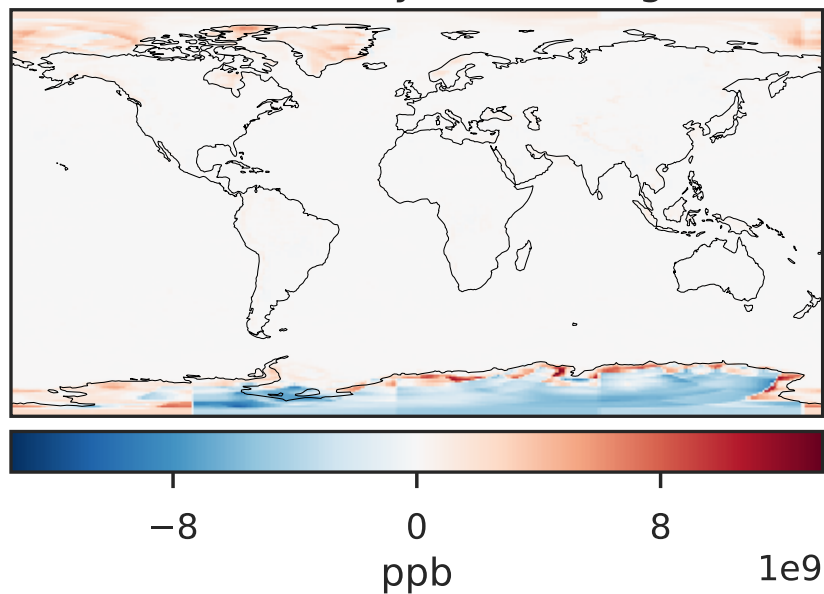
GCHP 14.2.2 using wind (c30) (Ref)
c30



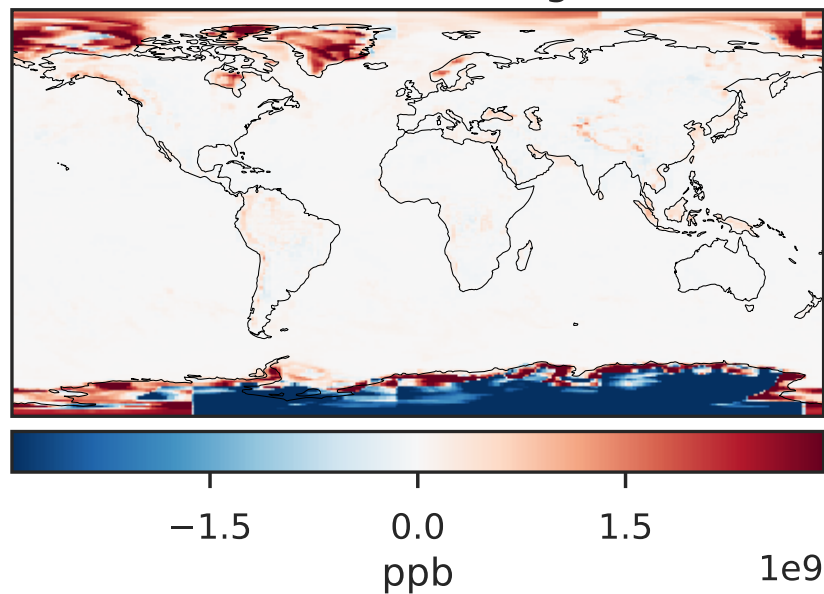
GCHP 14.2.2 using wind (c180) (Dev)
c180



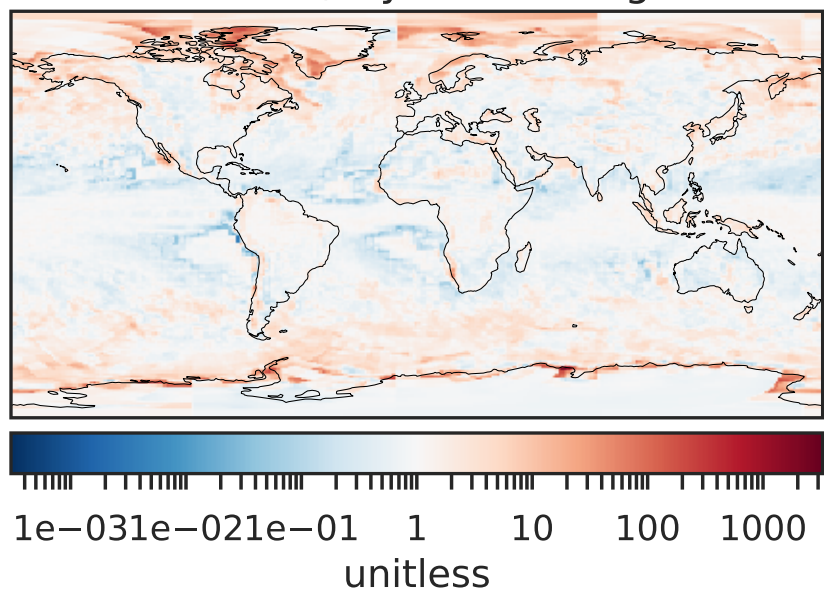
Difference (1x1.25)
Dev - Ref, Dynamic Range



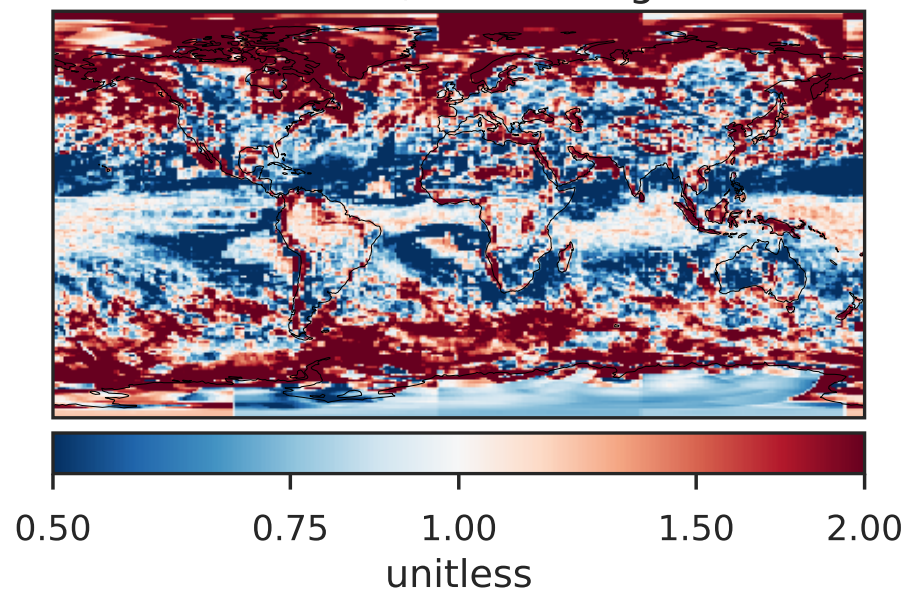
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

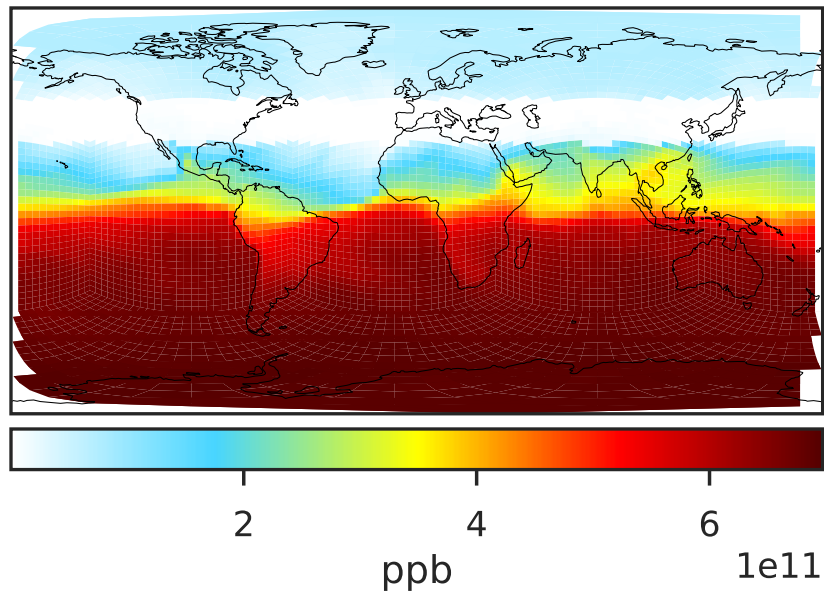


Ratio (1x1.25)
Dev/Ref, Fixed Range

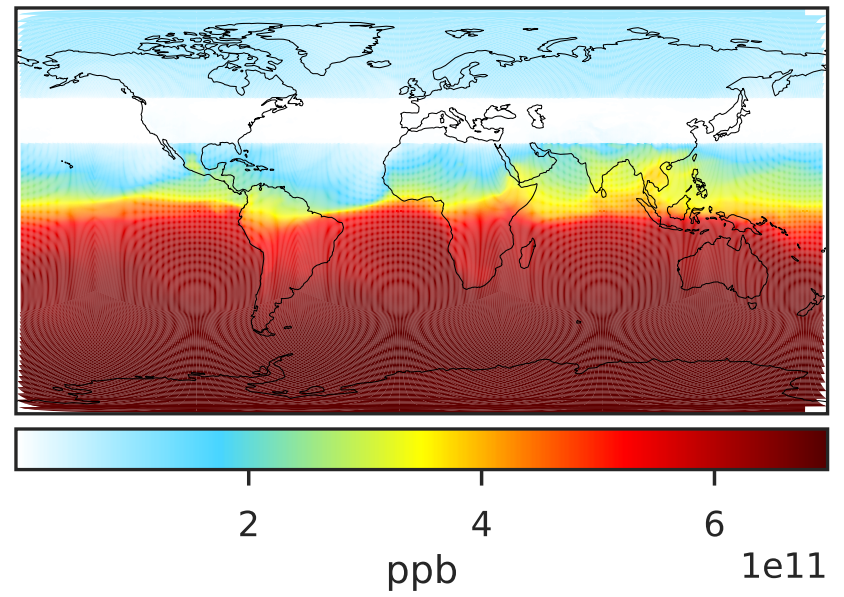


SpeciesConcVV_aoa_nh (Apr2019)

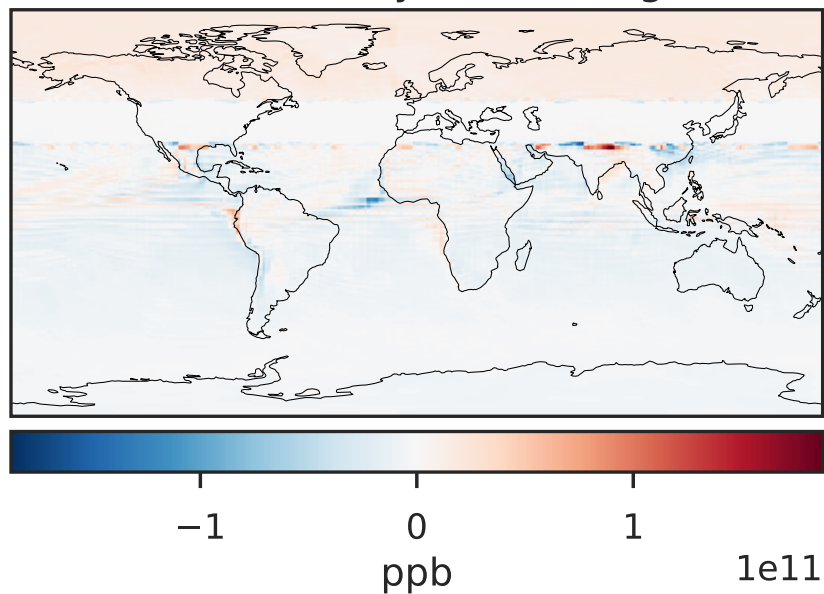
GCHP 14.2.2 using wind (c30) (Ref)
c30



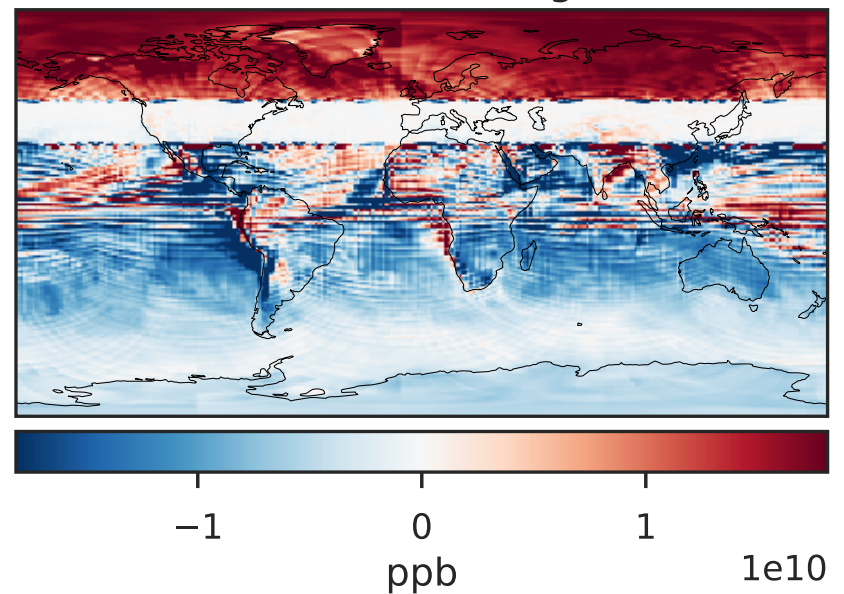
GCHP 14.2.2 using wind (c180) (Dev)
c180



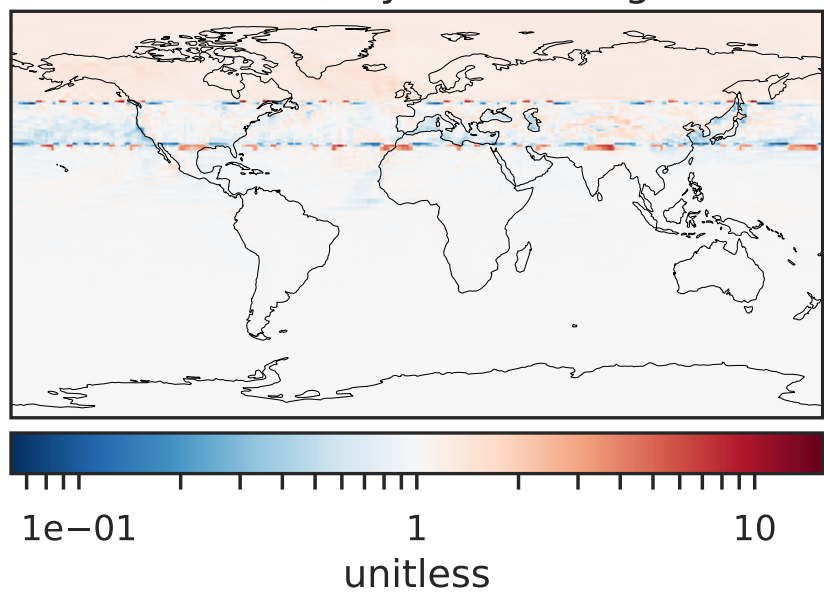
Difference (1x1.25)
Dev - Ref, Dynamic Range



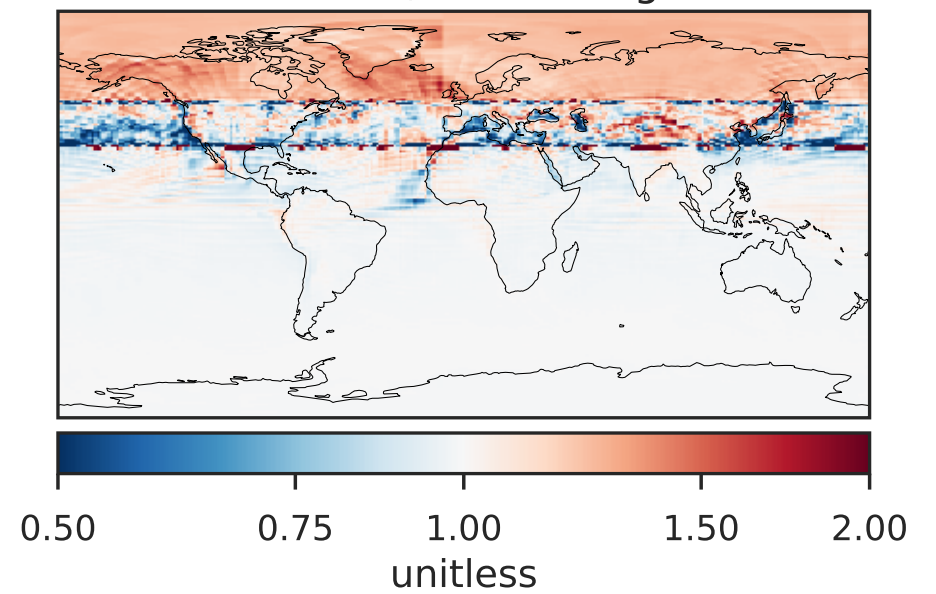
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

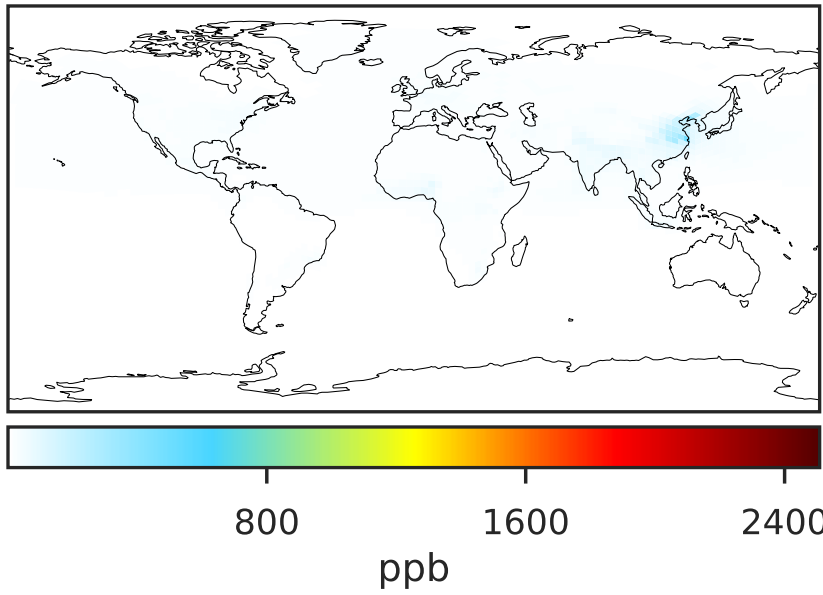


Ratio (1x1.25)
Dev/Ref, Fixed Range

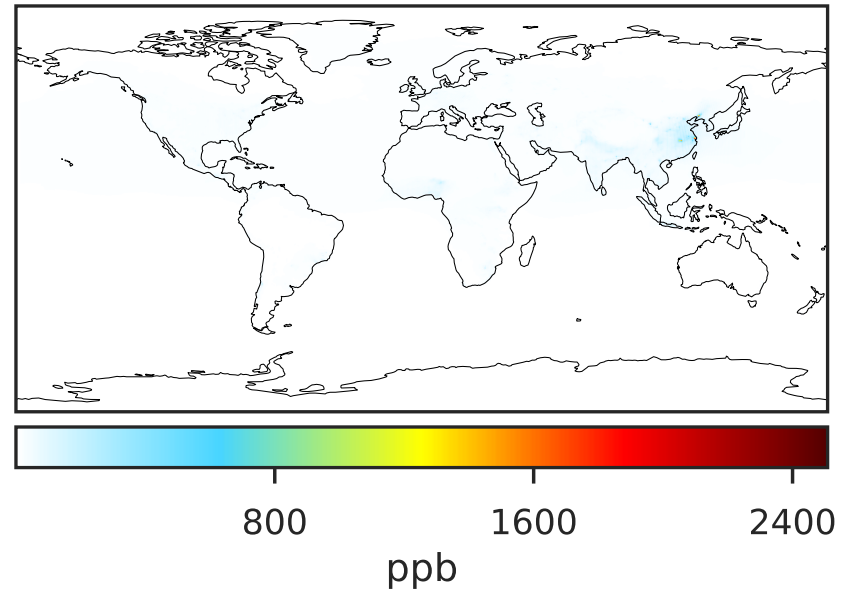


SpeciesConcVV_CO_25 (Apr2019)

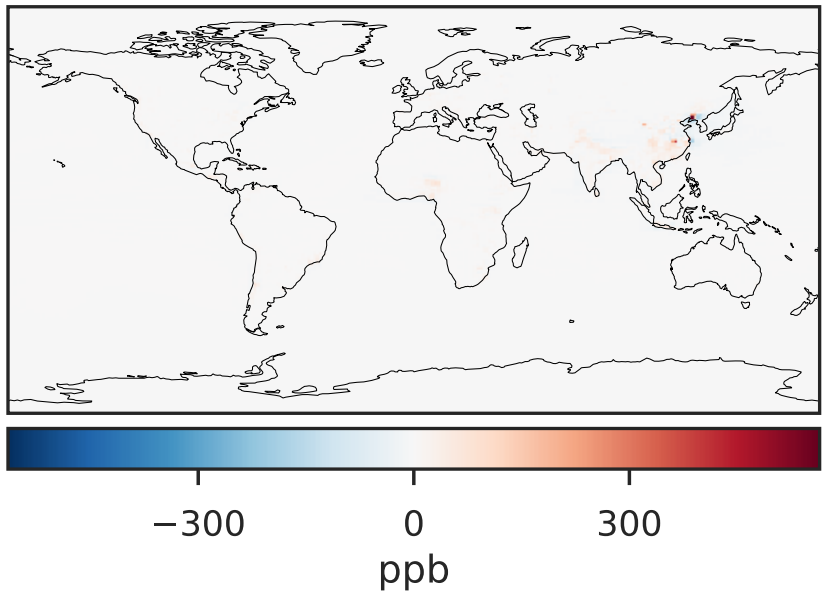
GCHP 14.2.2 using wind (c30) (Ref)
c30



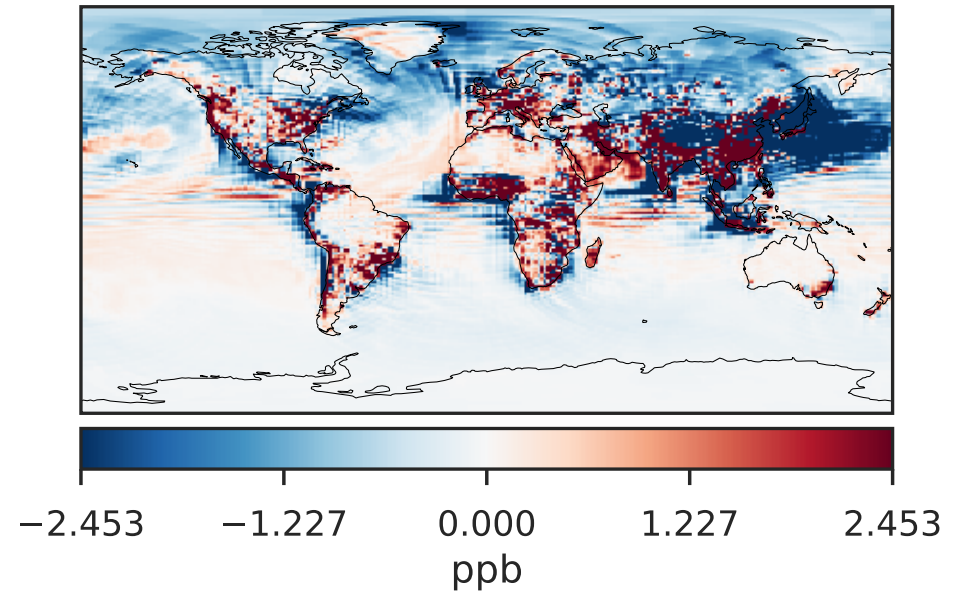
GCHP 14.2.2 using wind (c180) (Dev)
c180



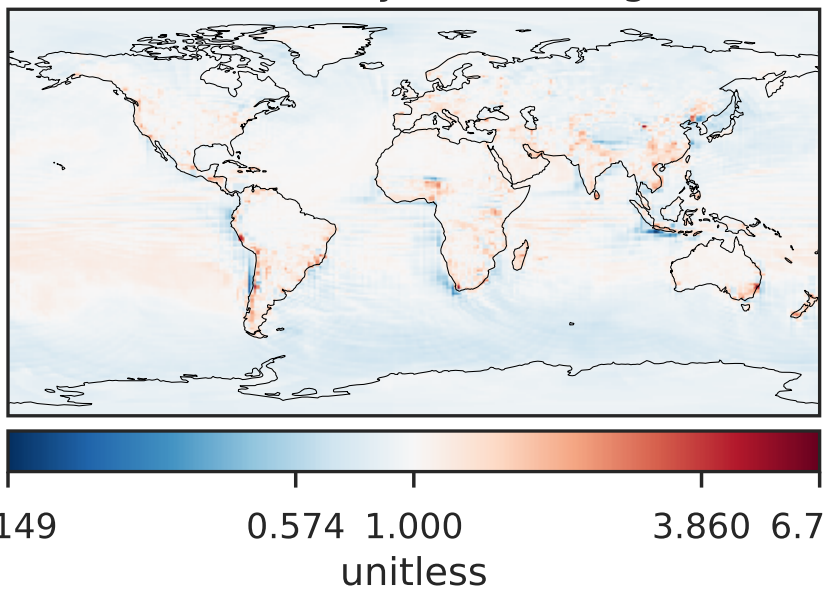
Difference (1x1.25)
Dev - Ref, Dynamic Range



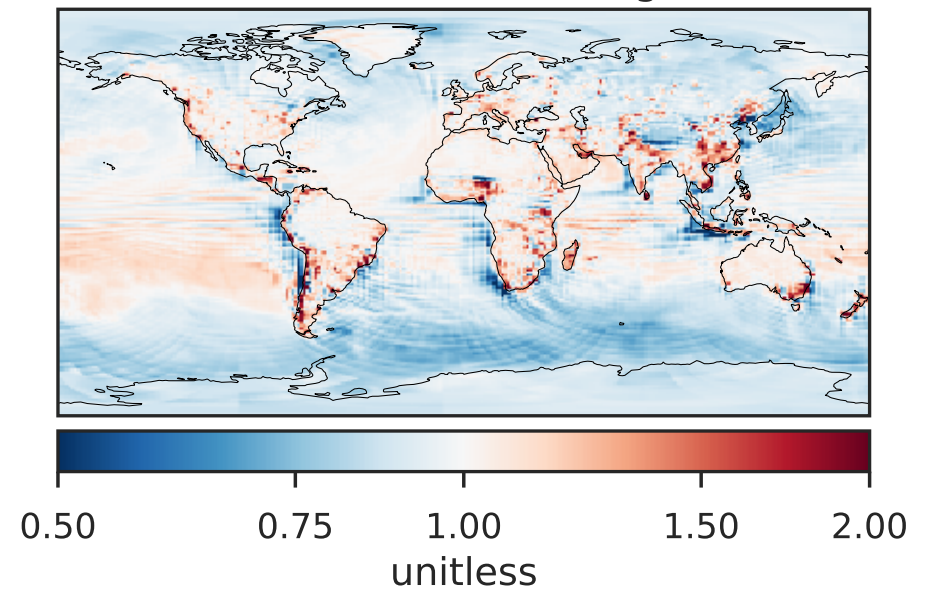
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

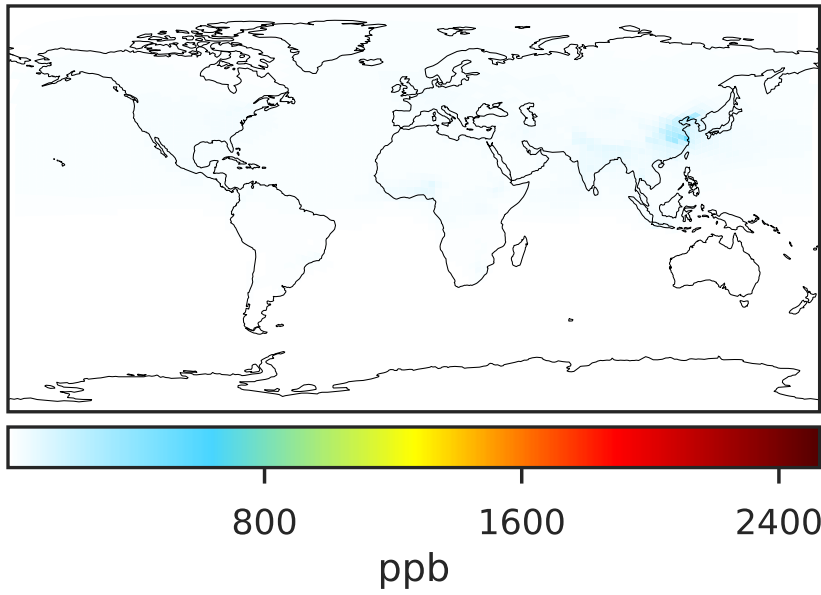


Ratio (1x1.25)
Dev/Ref, Fixed Range

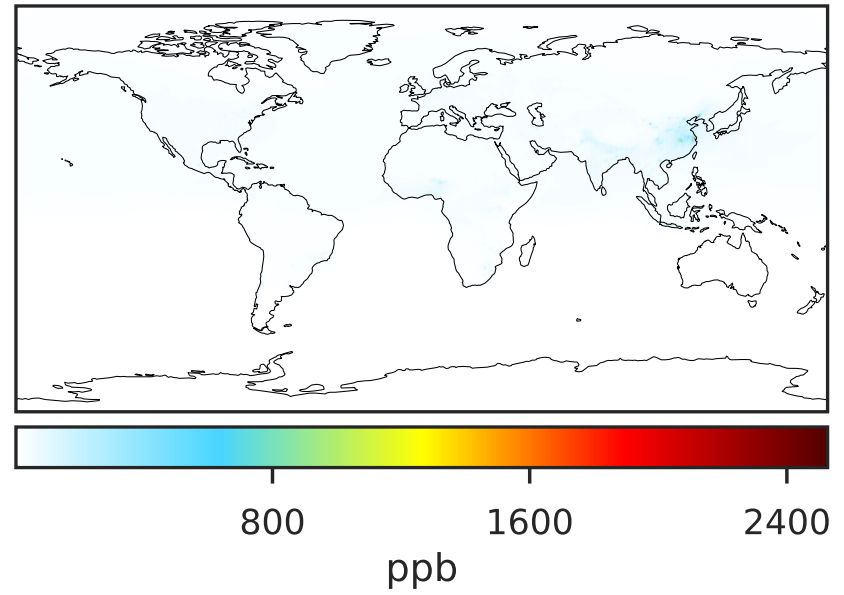


SpeciesConcVV_CO_50 (Apr2019)

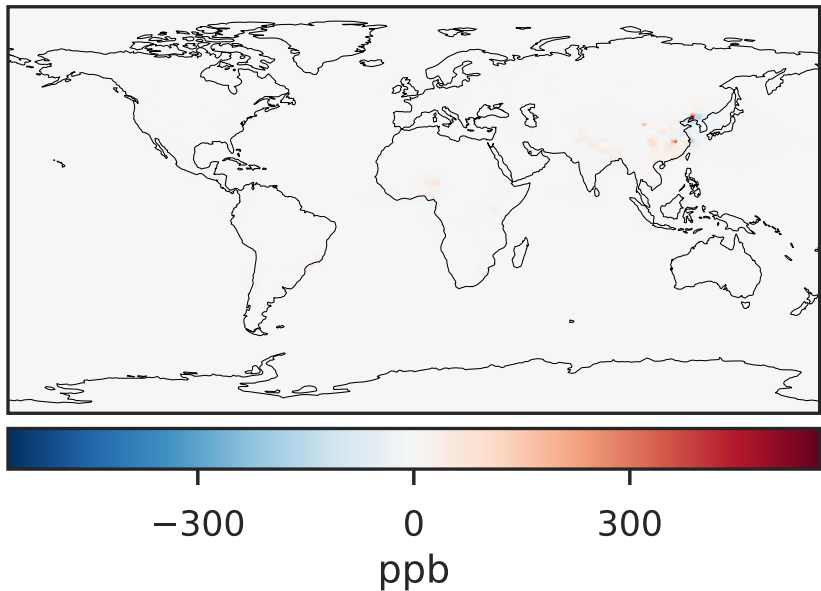
GCHP 14.2.2 using wind (c30) (Ref)
c30



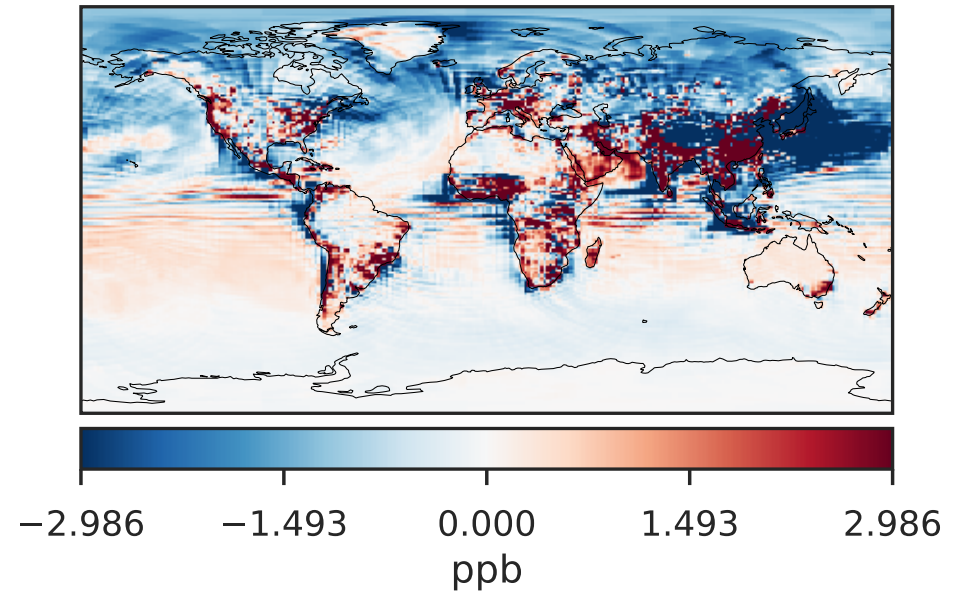
GCHP 14.2.2 using wind (c180) (Dev)
c180



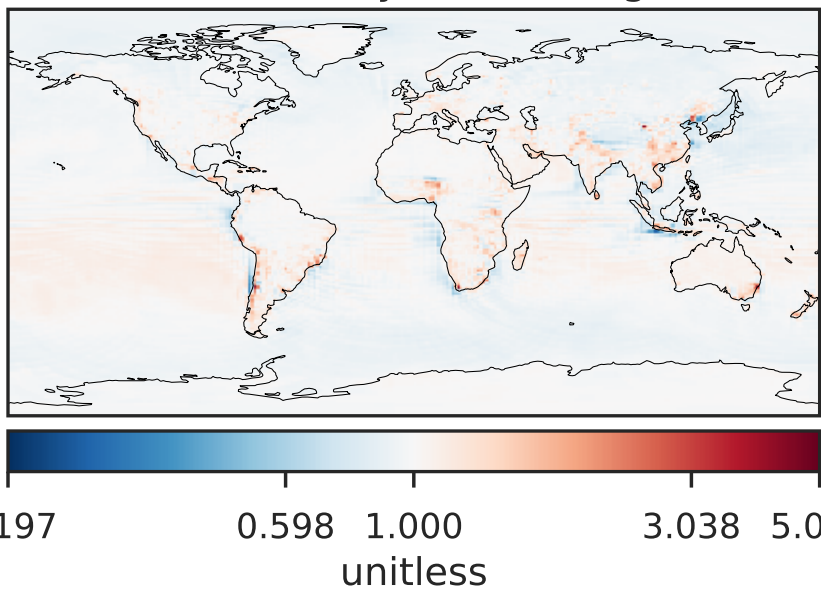
Difference (1x1.25)
Dev - Ref, Dynamic Range



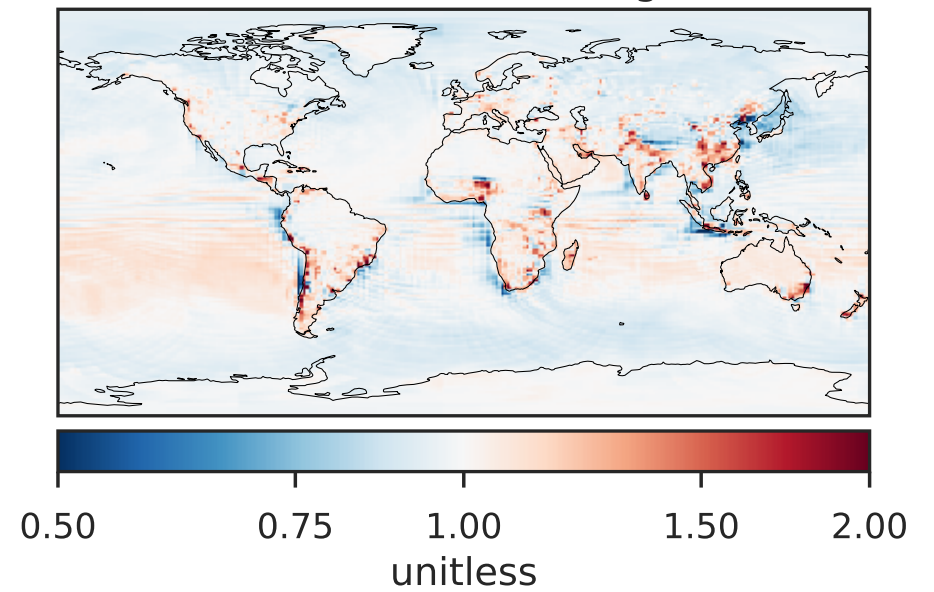
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

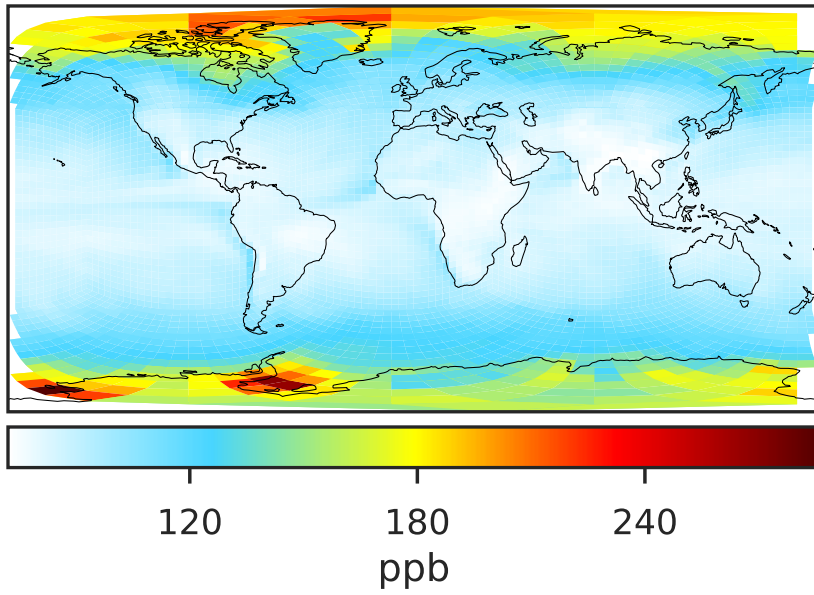


Ratio (1x1.25)
Dev/Ref, Fixed Range

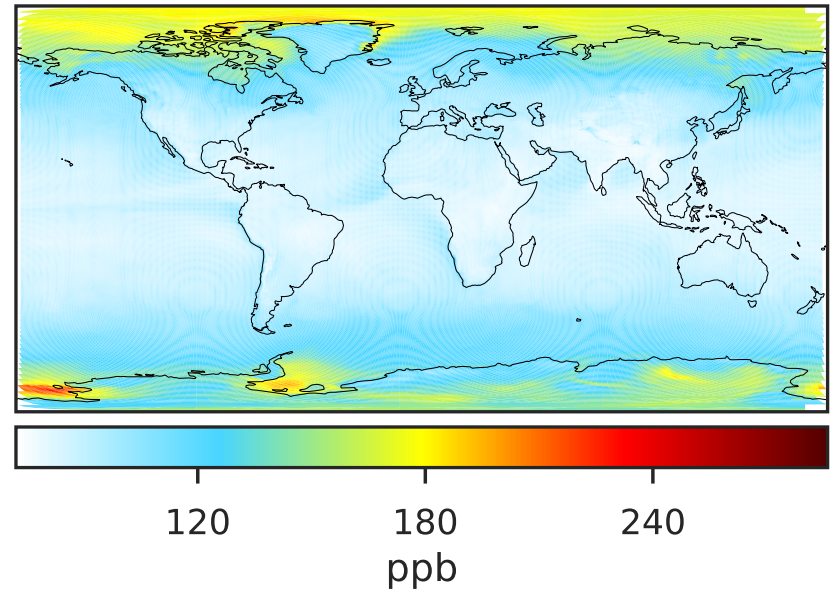


SpeciesConcVV_e90 (Apr2019)

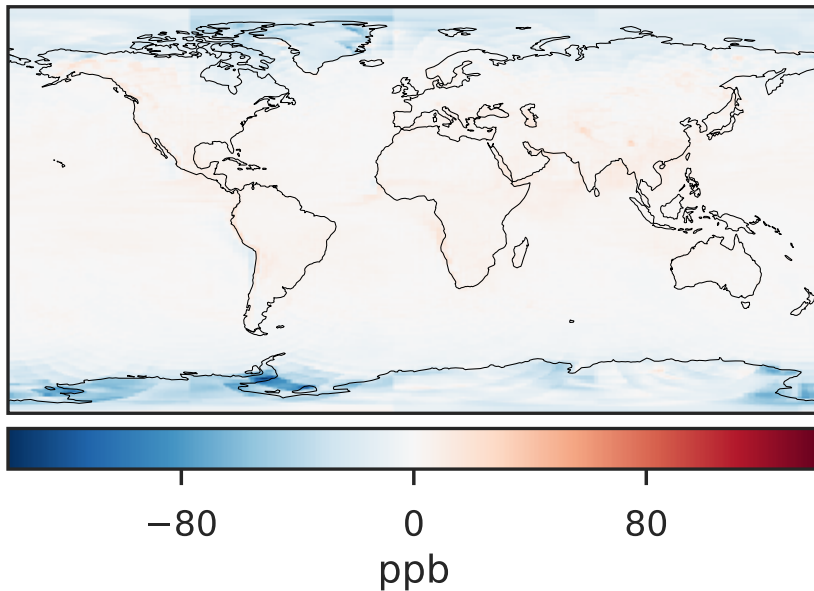
GCHP 14.2.2 using wind (c30) (Ref)
c30



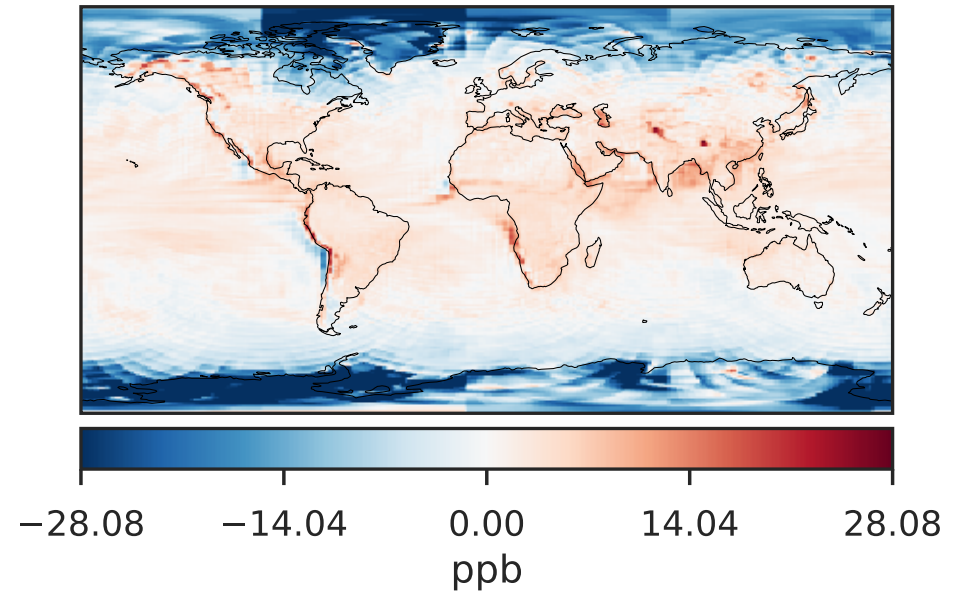
GCHP 14.2.2 using wind (c180) (Dev)
c180



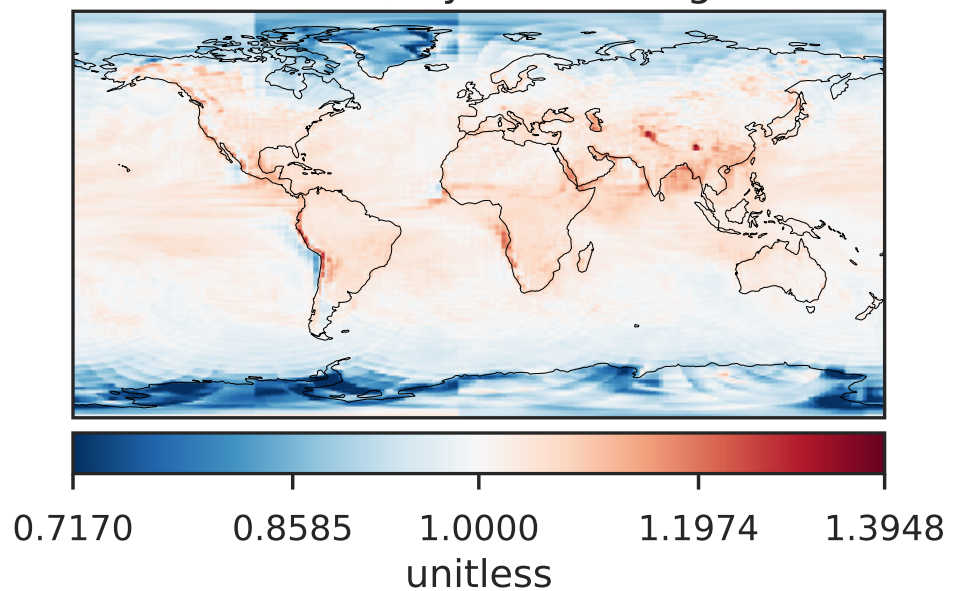
Difference (1x1.25)
Dev - Ref, Dynamic Range



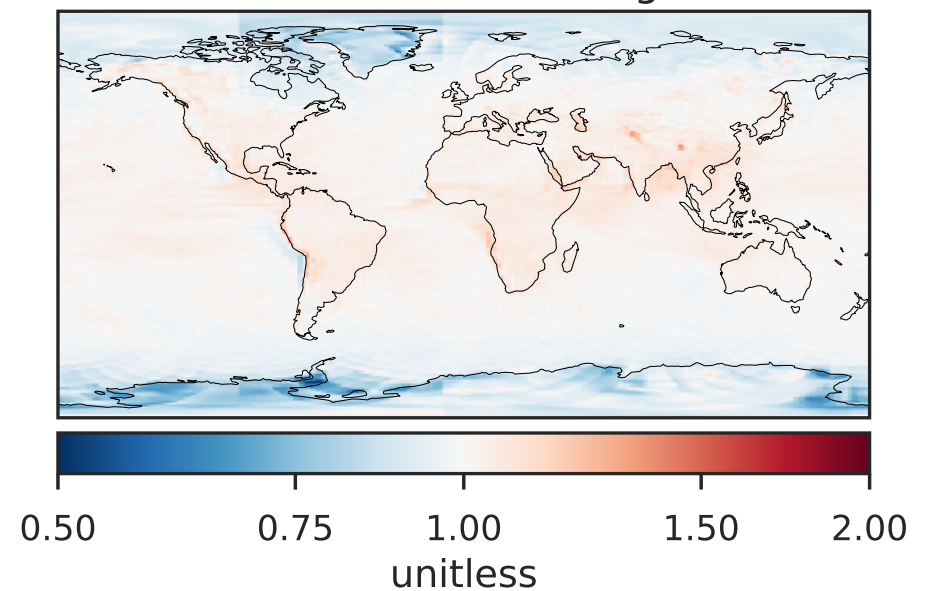
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

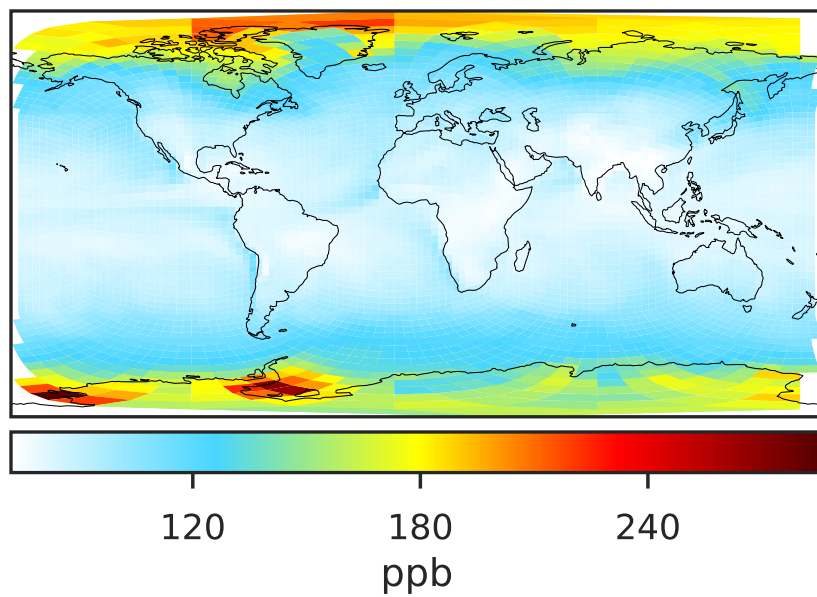


Ratio (1x1.25)
Dev/Ref, Fixed Range

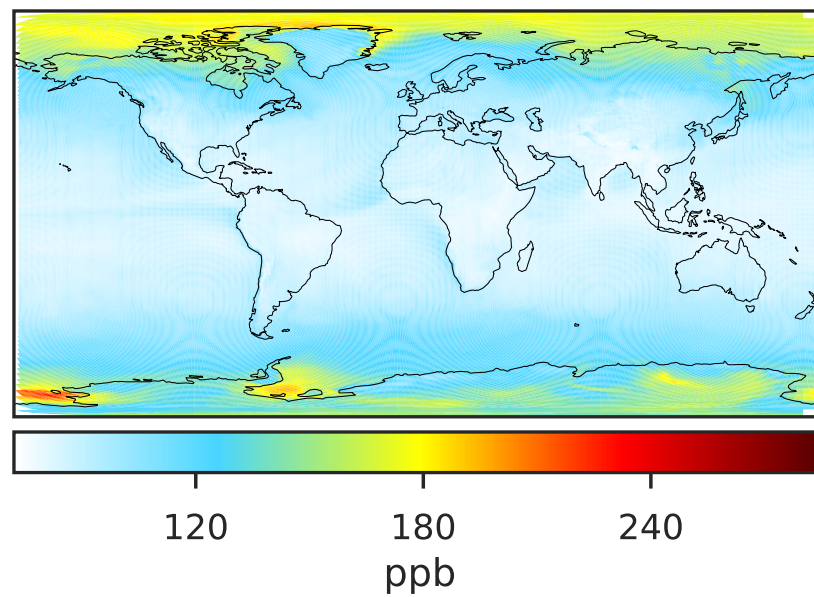


SpeciesConcVV_e90_n (Apr2019)

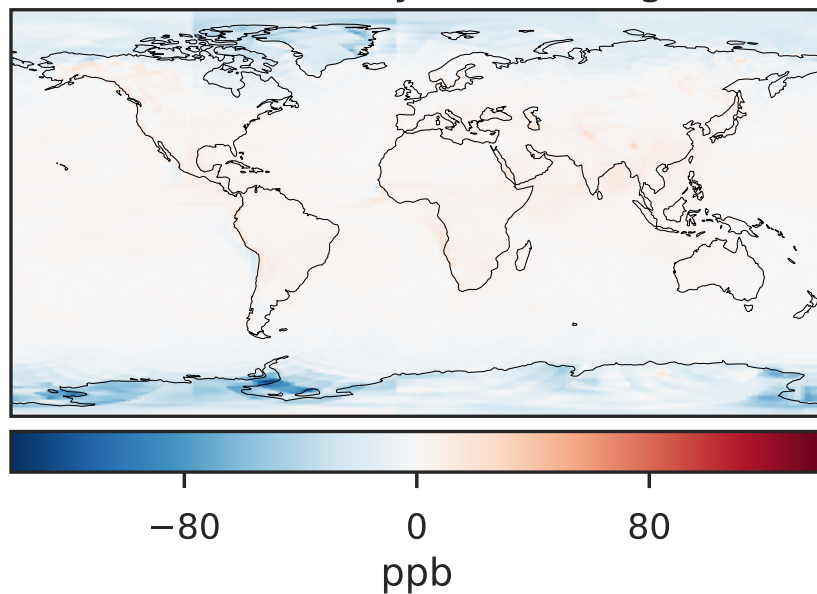
GCHP 14.2.2 using wind (c30) (Ref)
c30



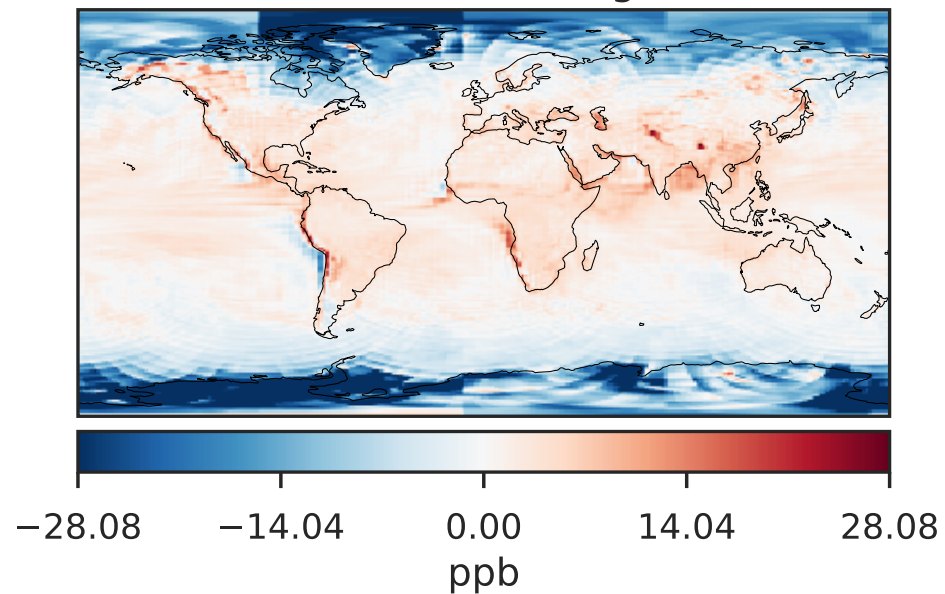
GCHP 14.2.2 using wind (c180) (Dev)
c180



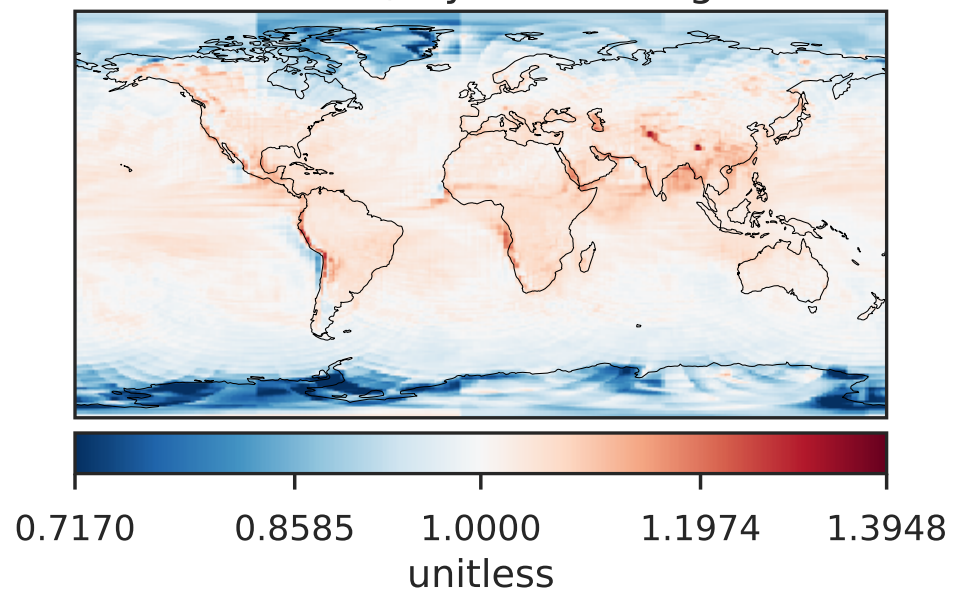
Difference (1x1.25)
Dev - Ref, Dynamic Range



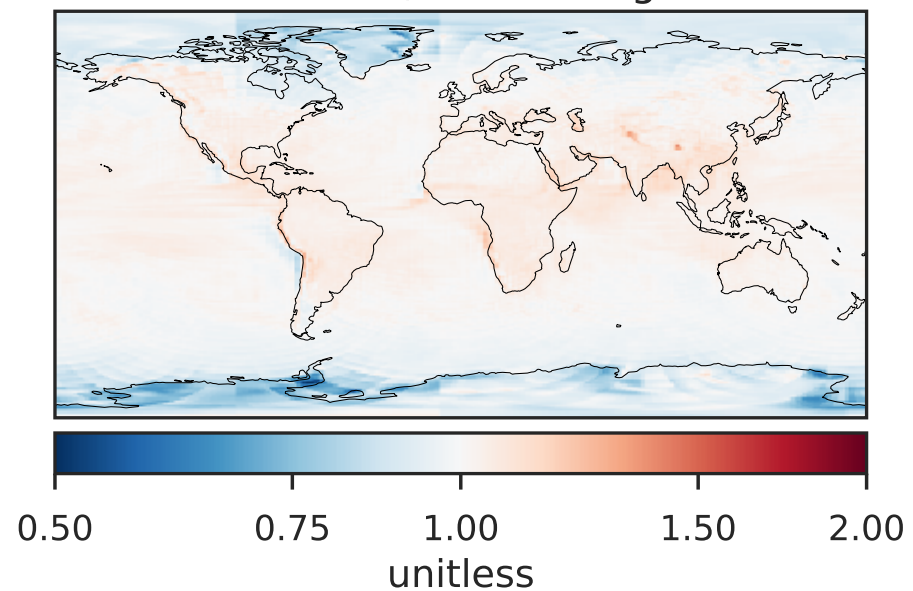
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

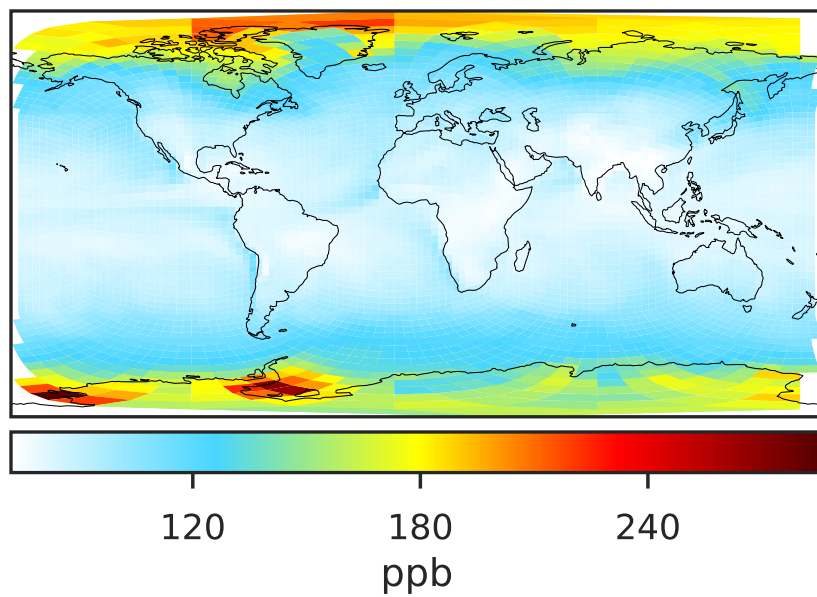


Ratio (1x1.25)
Dev/Ref, Fixed Range

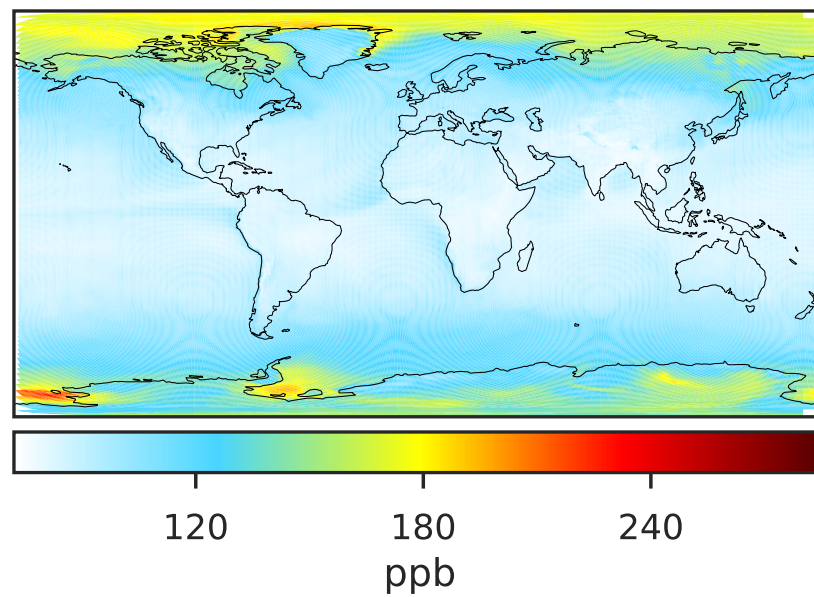


SpeciesConcVV_e90_s (Apr2019)

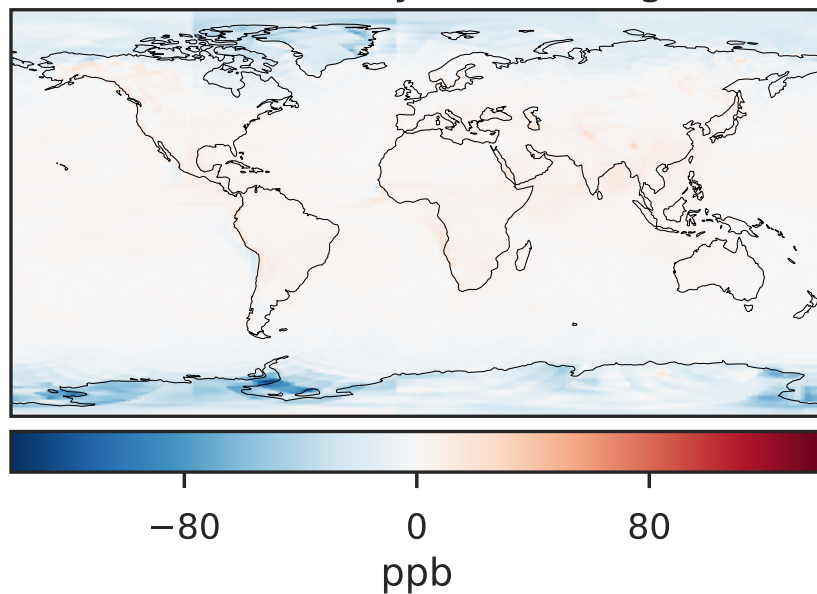
GCHP 14.2.2 using wind (c30) (Ref)
c30



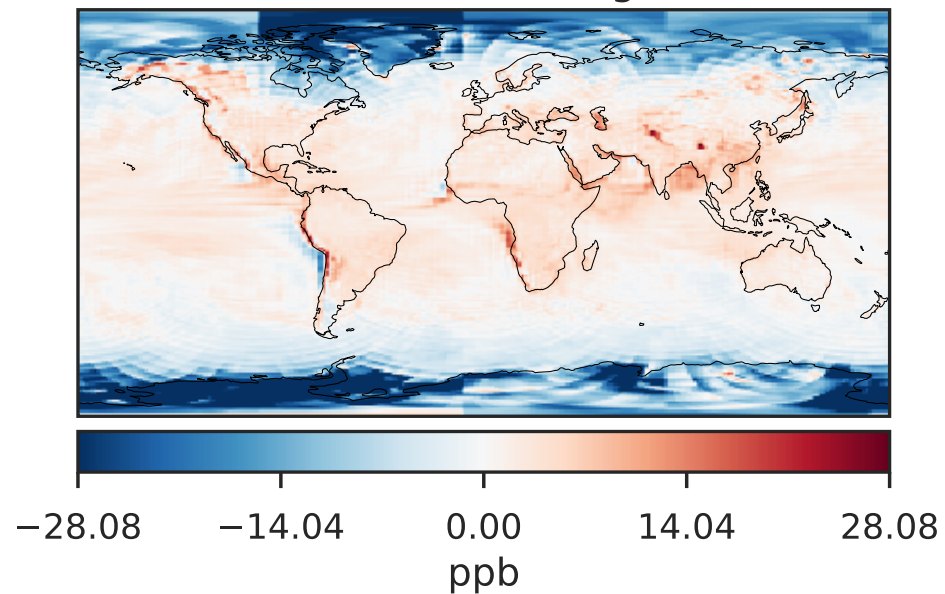
GCHP 14.2.2 using wind (c180) (Dev)
c180



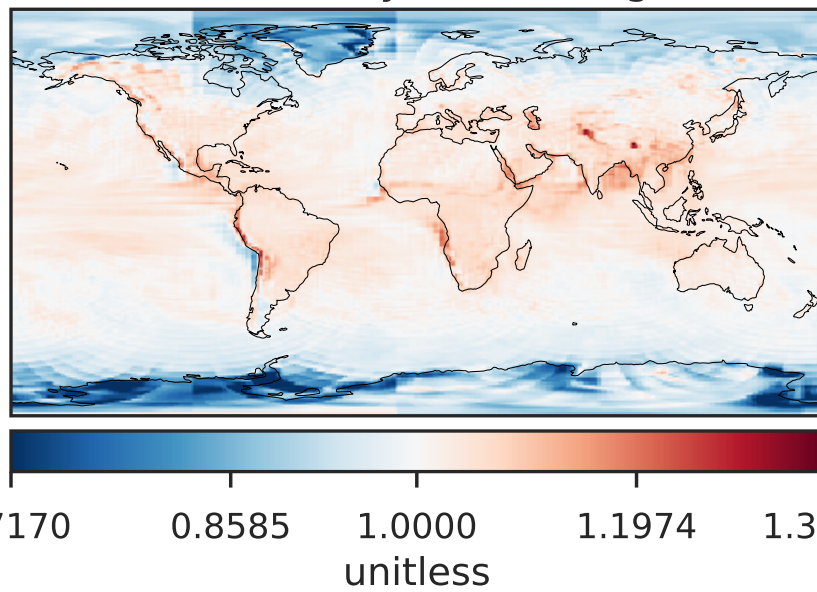
Difference (1x1.25)
Dev - Ref, Dynamic Range



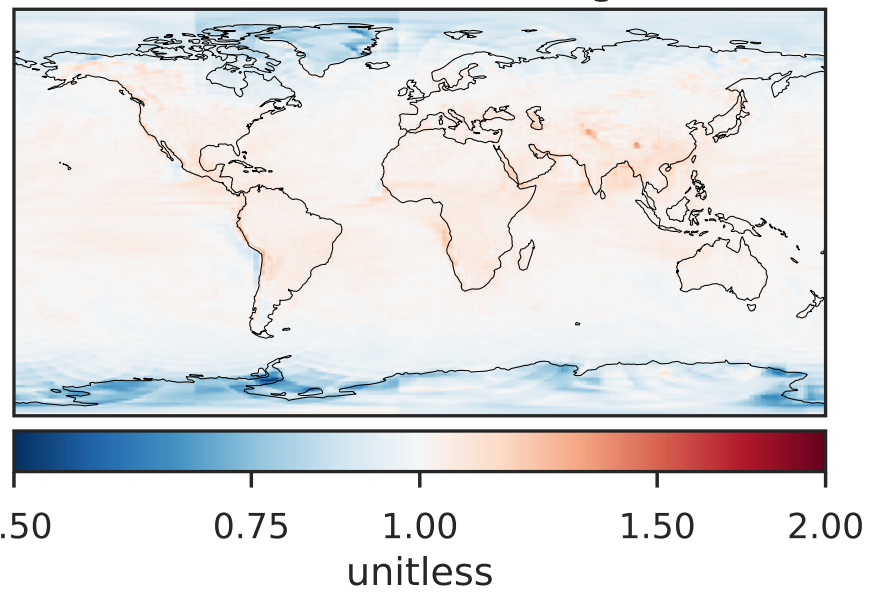
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

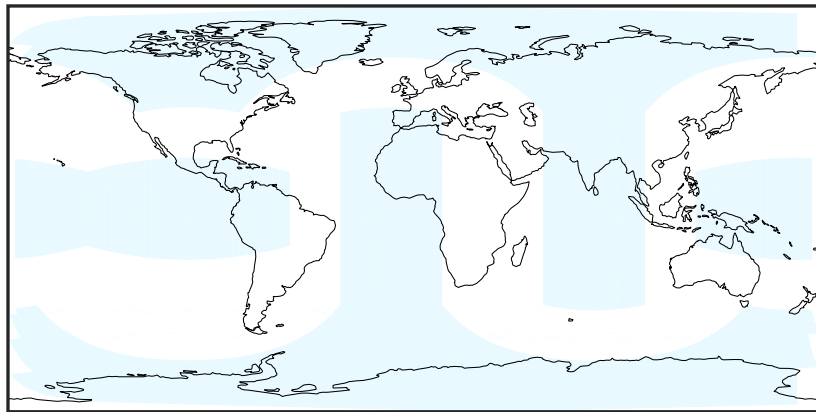


Ratio (1x1.25)
Dev/Ref, Fixed Range



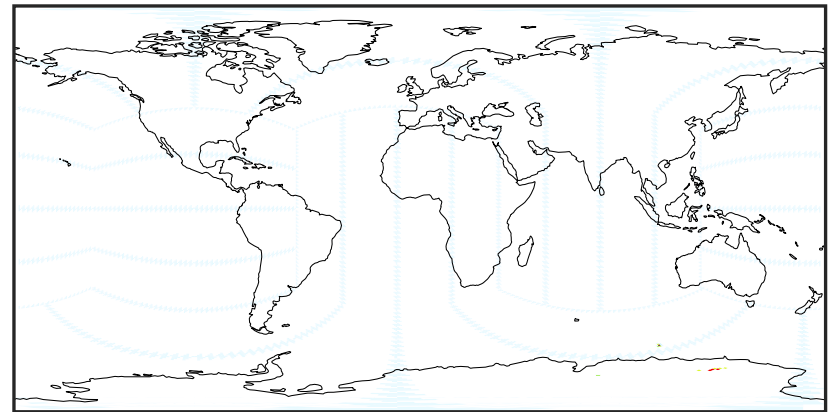
SpeciesConcVV_st80_25 (Apr2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



0.00590 0.00605 0.00620 0.00635
ppb +1.9988e2

GCHP 14.2.2 using wind (c180) (Dev)
c180



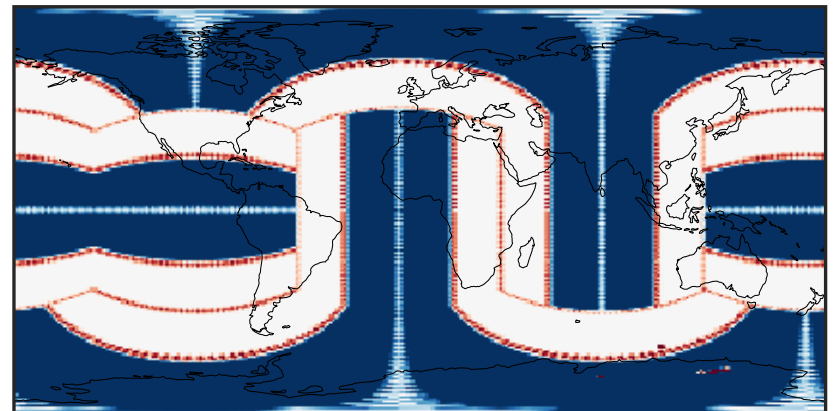
0.00590 0.00605 0.00620 0.00635
ppb +1.9988e2

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



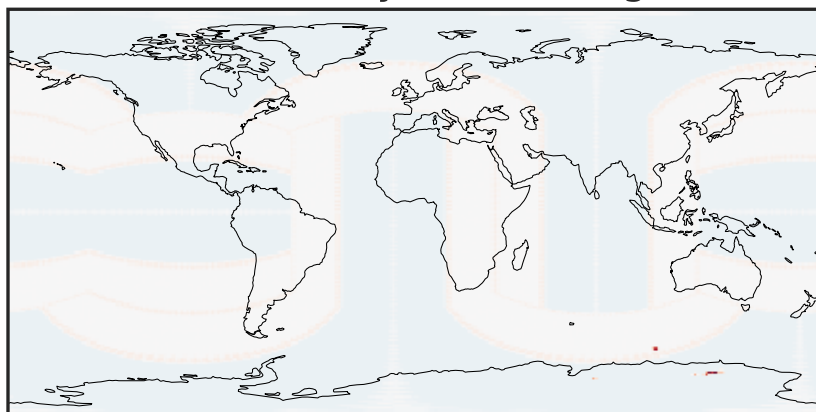
-0.00015 0.00000 0.00015
ppb

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



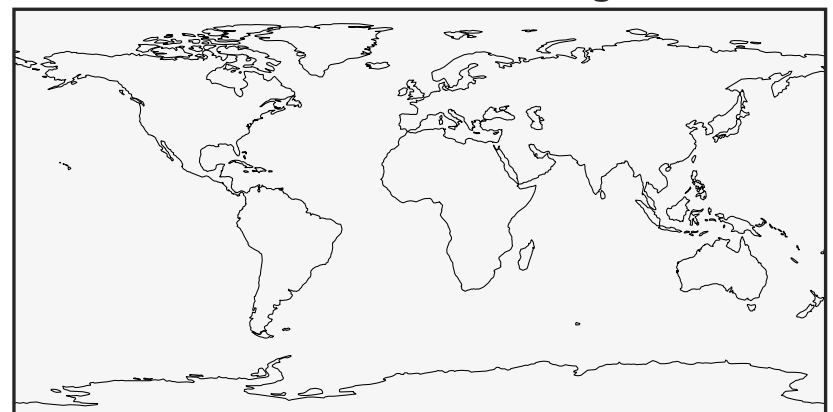
-8 0 8
ppb 1e-6

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



0.999998907 1.000000000 1.000001093
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless