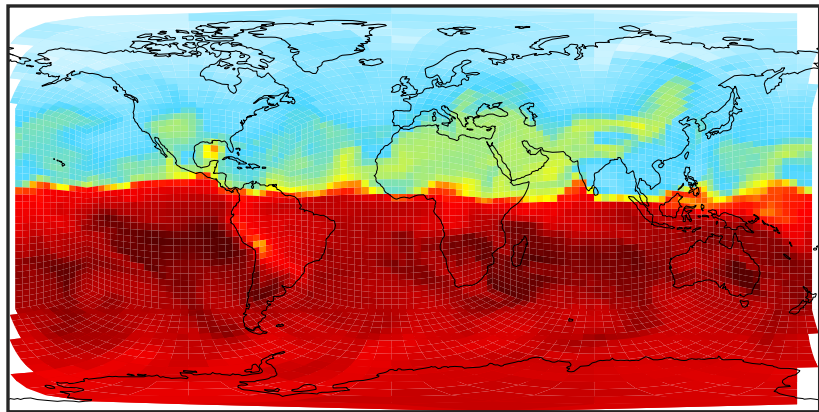


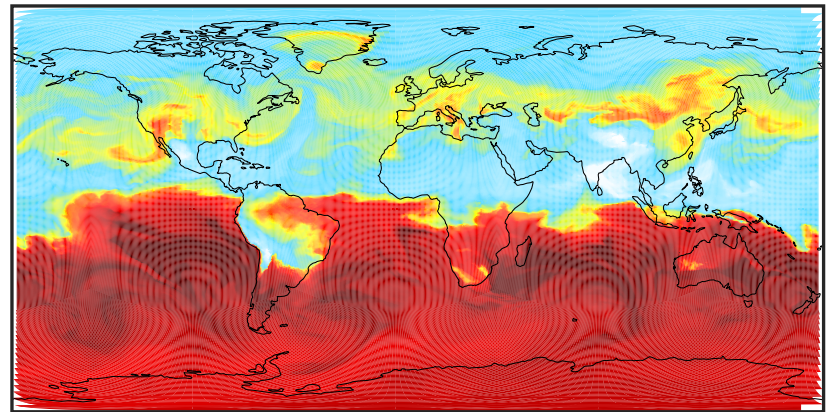
SpeciesConcVV_PassiveTracer (Oct2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



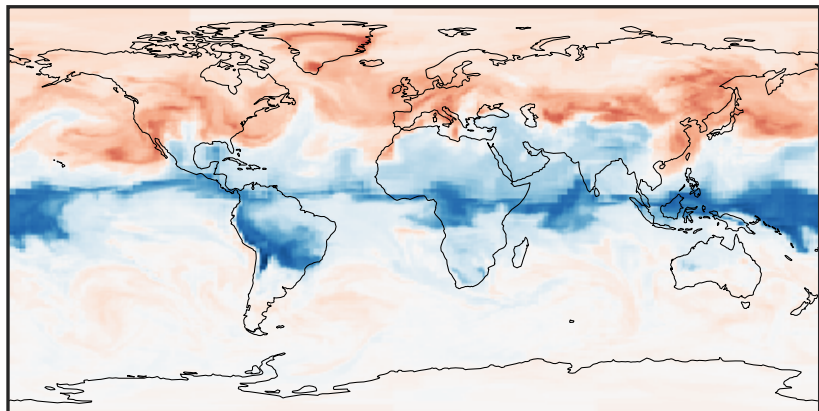
0.0004 0.0010 0.0016 0.0022
ppb +9.999e1

GCHP 14.2.2 using wind (c180) (Dev)
c180



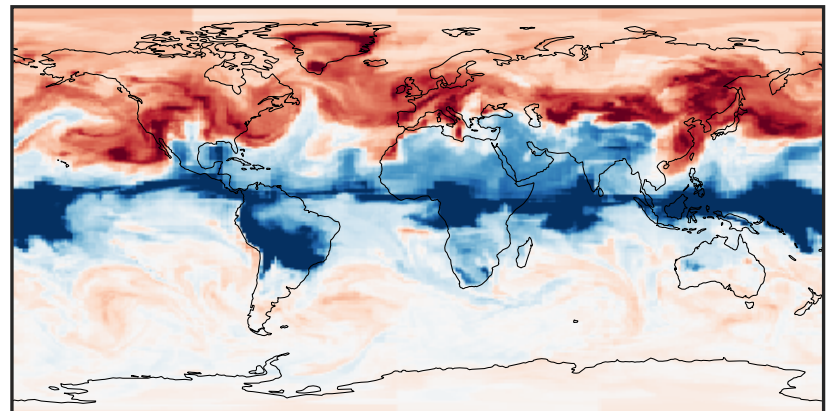
0.0004 0.0010 0.0016 0.0022
ppb +9.999e1

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



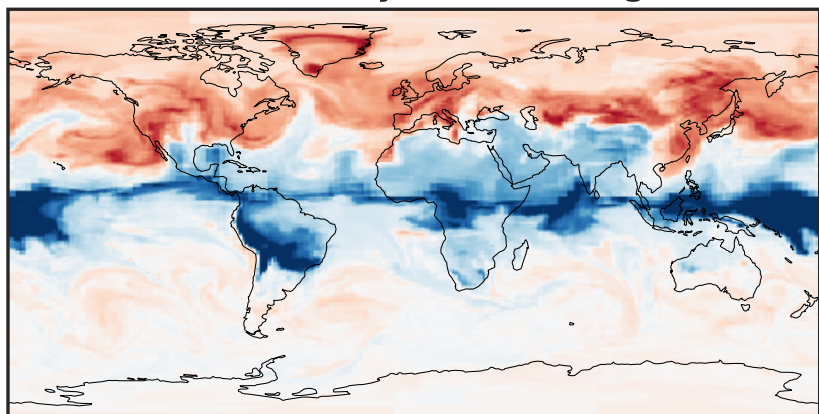
-0.0008 0.0000 0.0008
ppb

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



-0.0004 0.0000 0.0004
ppb

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



0.99999002 1.0000000 1.00000998
unitless

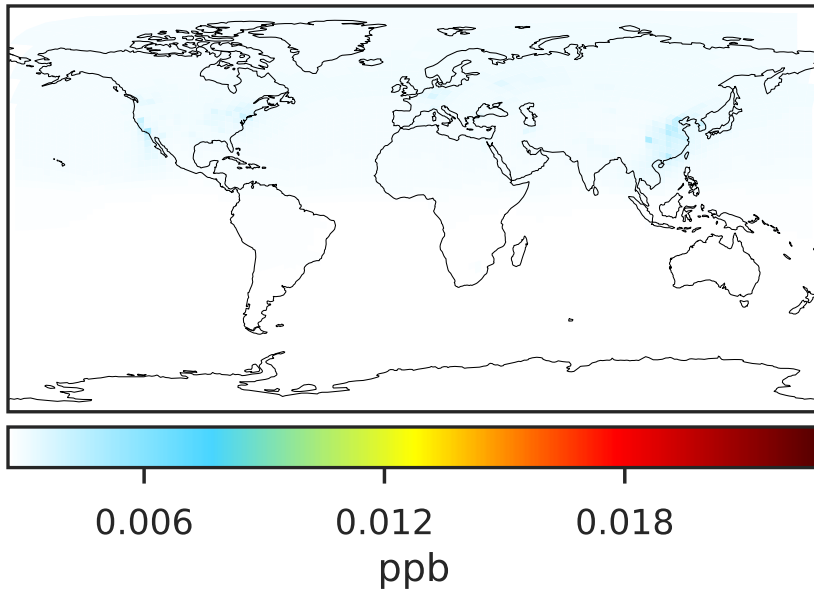
Ratio (1x1.25)
Dev/Ref, Fixed Range



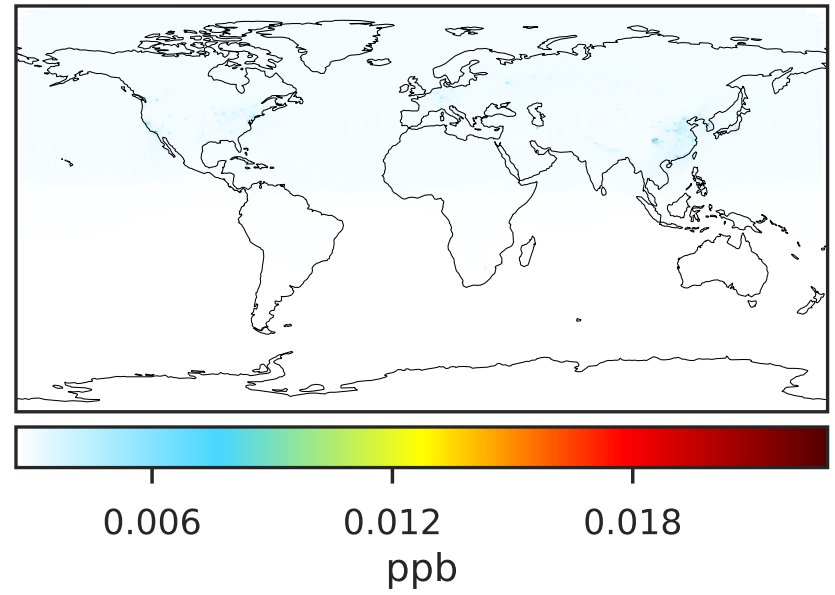
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_SF6 (Oct2019)

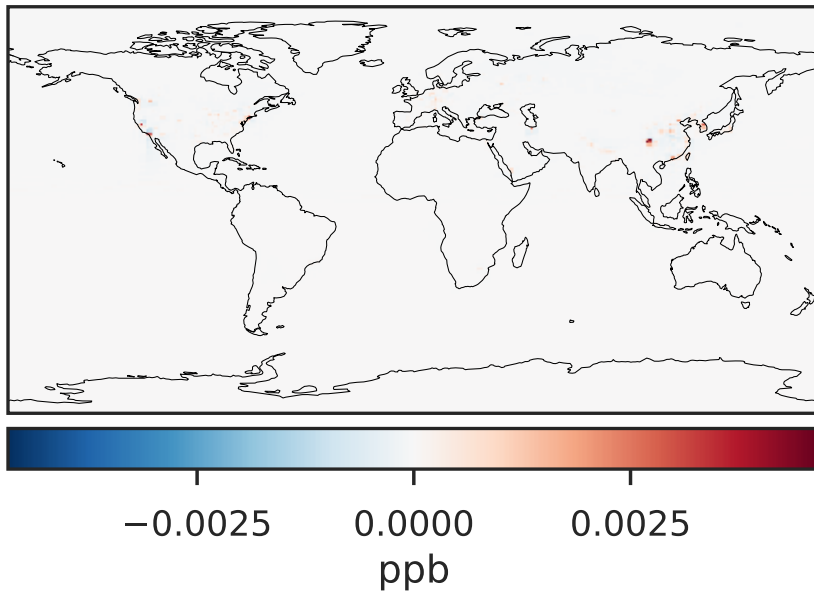
GCHP 14.2.2 using wind (c30) (Ref)
c30



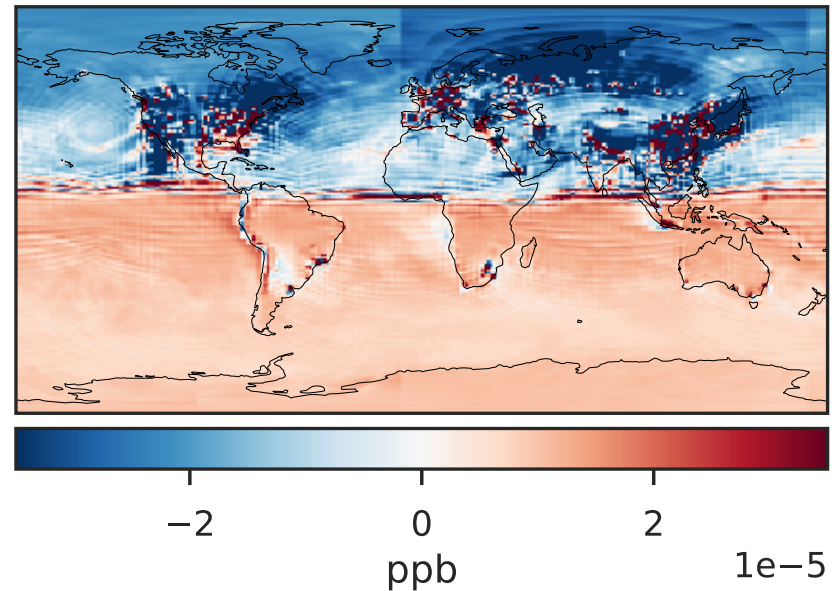
GCHP 14.2.2 using wind (c180) (Dev)
c180



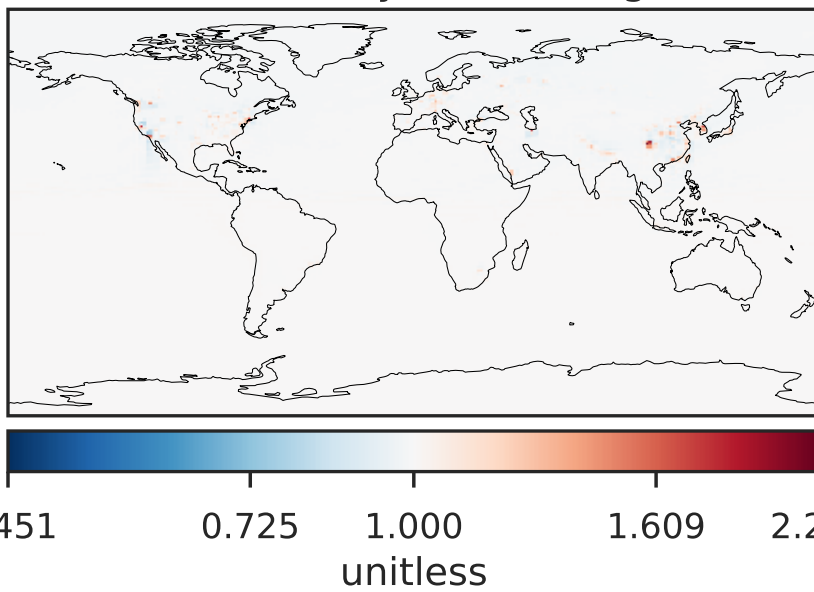
Difference (1x1.25)
Dev - Ref, Dynamic Range



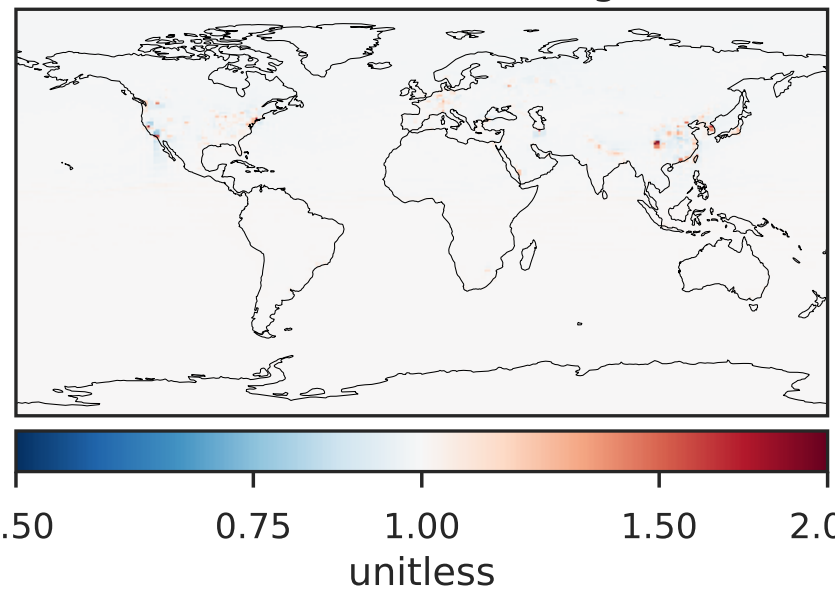
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

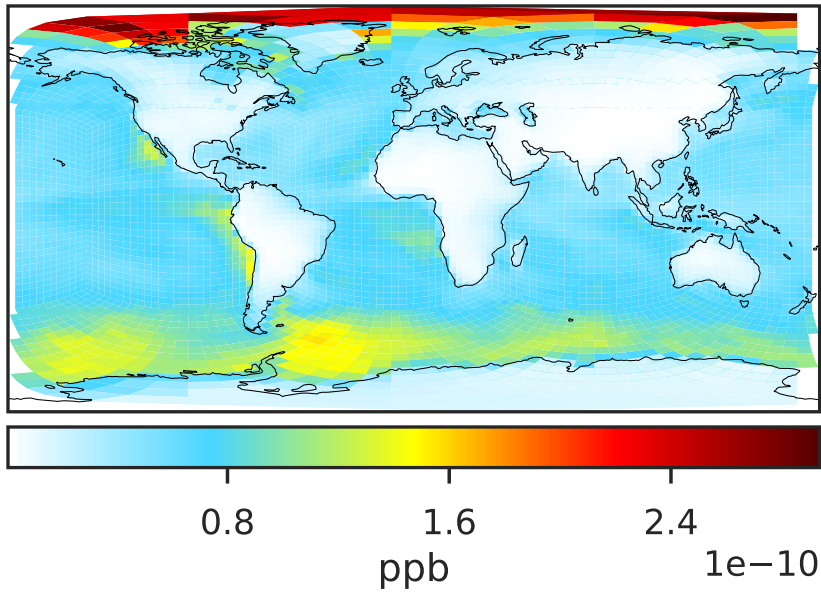


Ratio (1x1.25)
Dev/Ref, Fixed Range

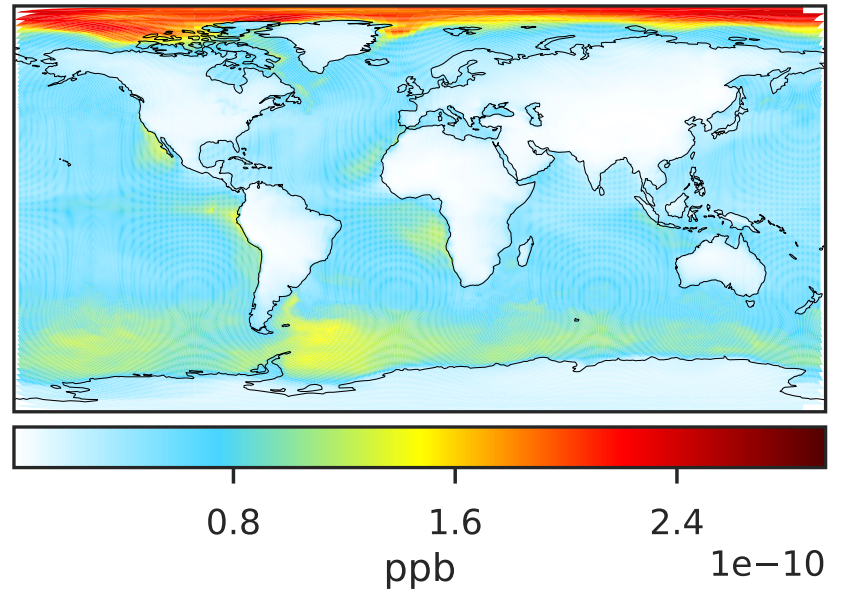


SpeciesConcVV_CH3I (Oct2019)

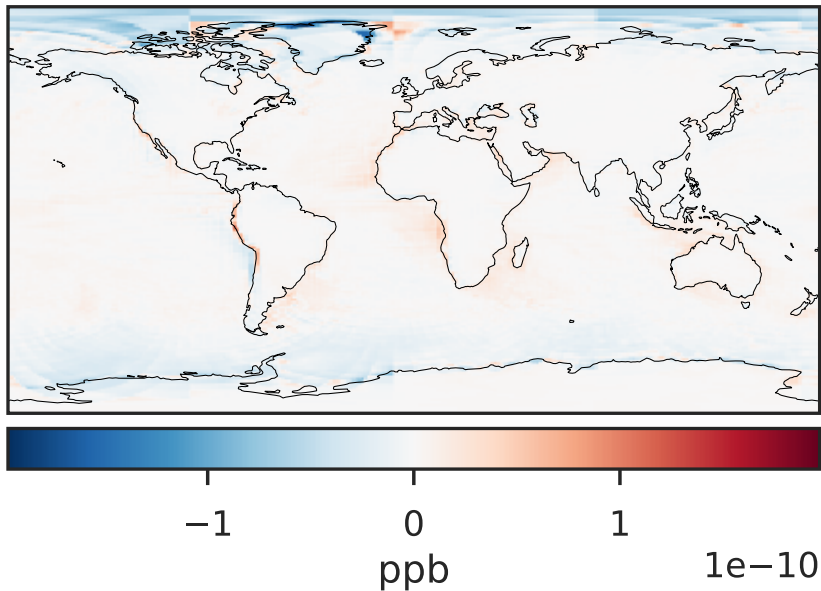
GCHP 14.2.2 using wind (c30) (Ref)
c30



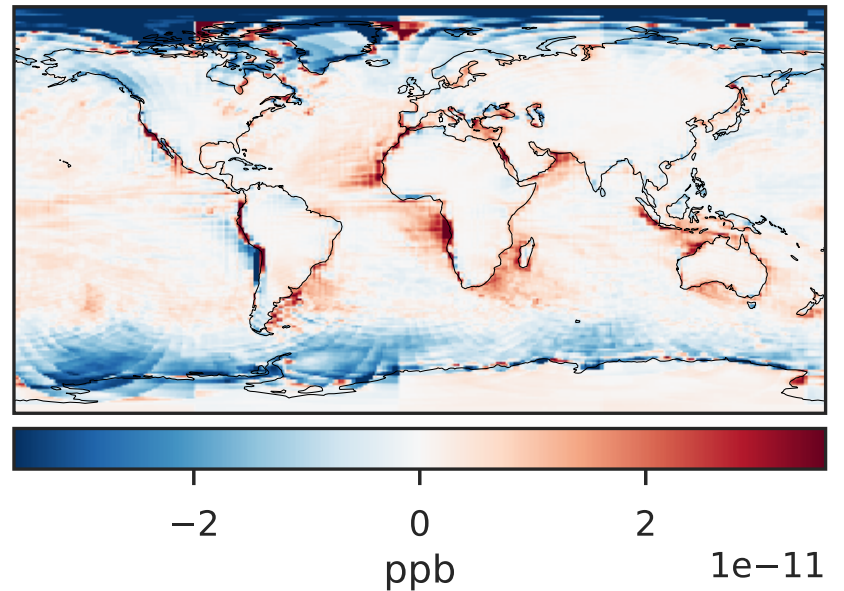
GCHP 14.2.2 using wind (c180) (Dev)
c180



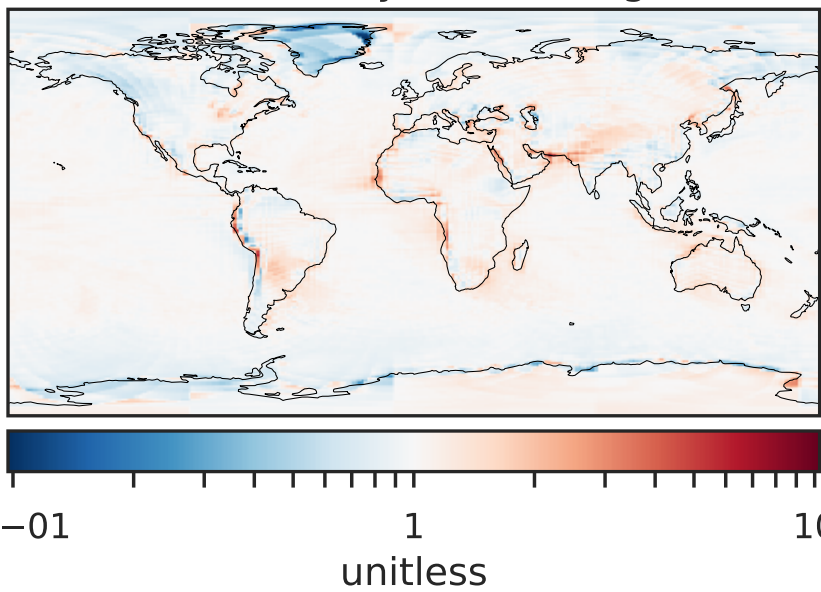
Difference (1x1.25)
Dev - Ref, Dynamic Range



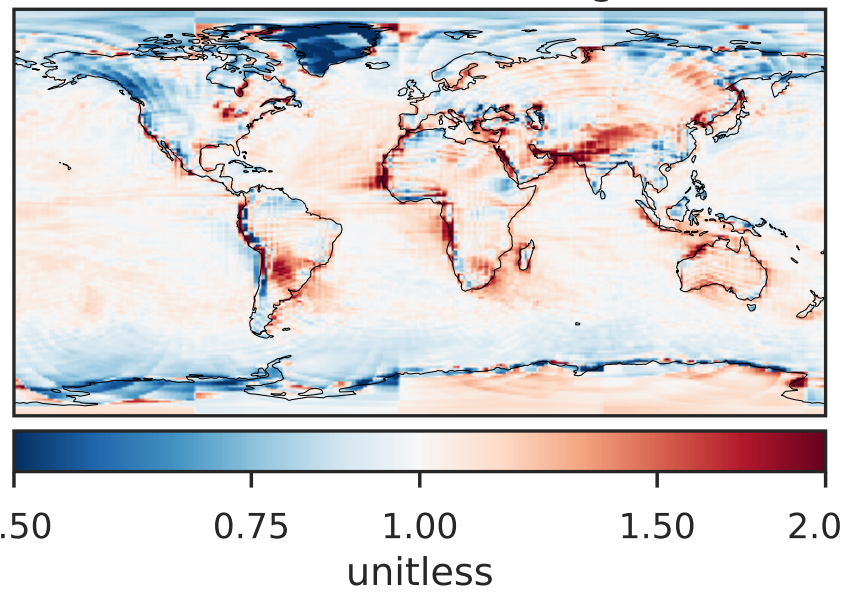
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

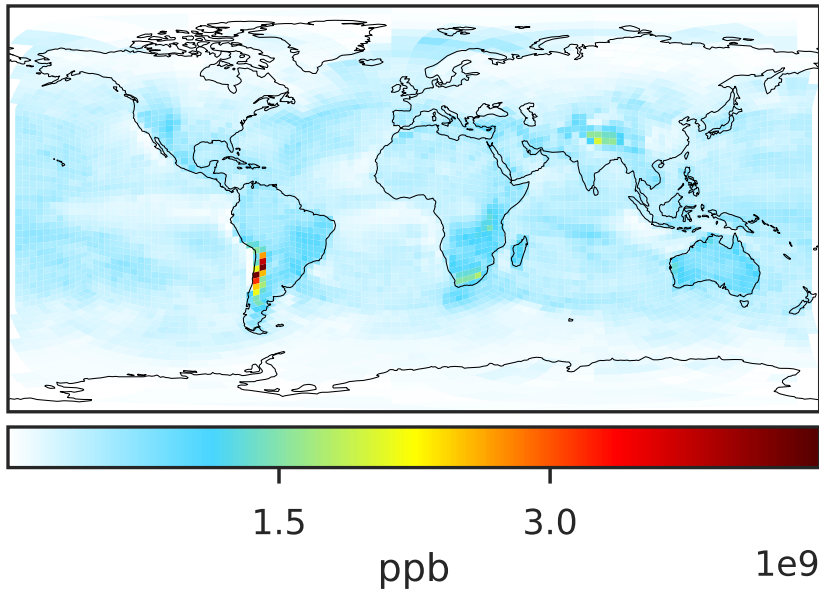


Ratio (1x1.25)
Dev/Ref, Fixed Range

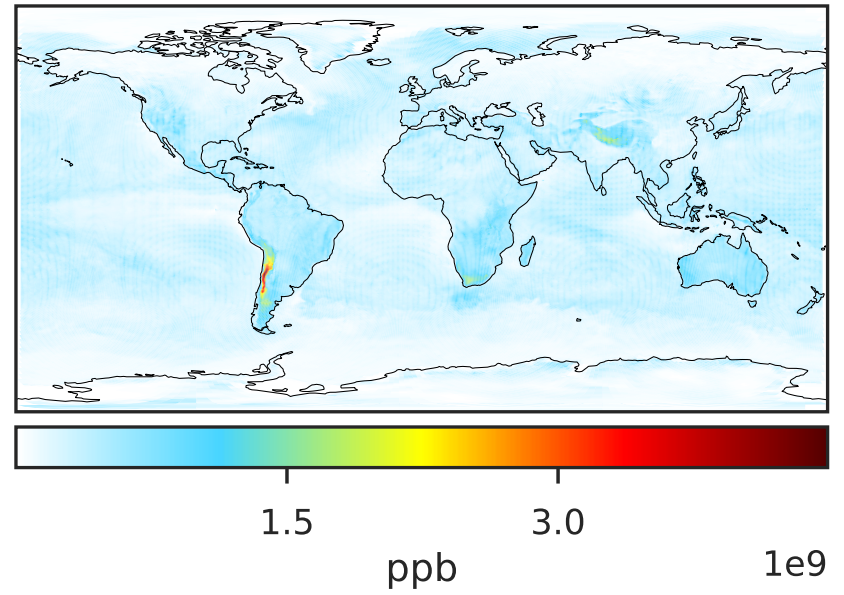


SpeciesConcVV_aoa (Oct2019)

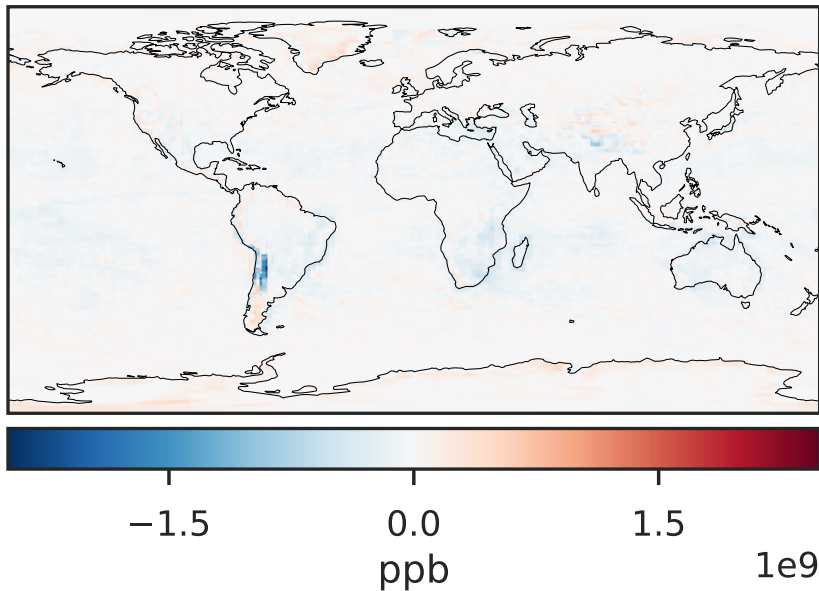
GCHP 14.2.2 using wind (c30) (Ref)
c30



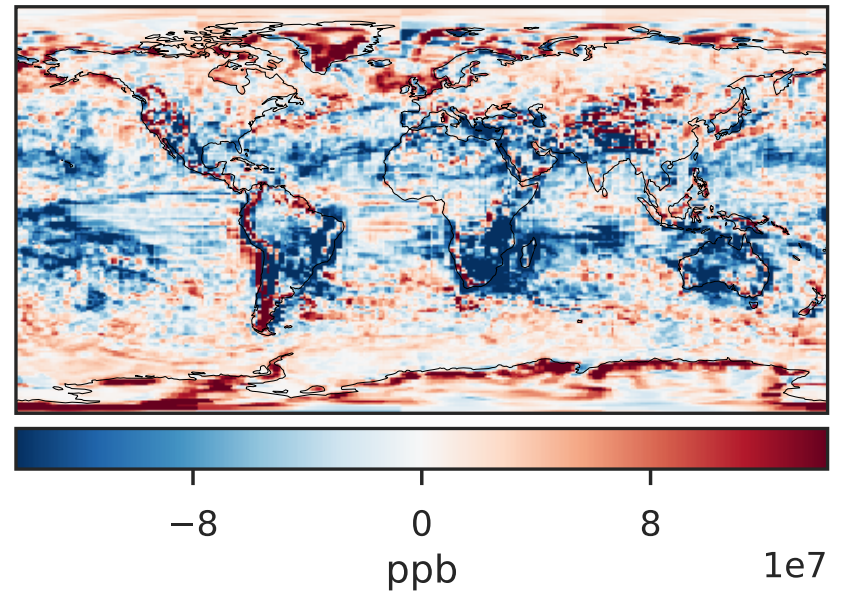
GCHP 14.2.2 using wind (c180) (Dev)
c180



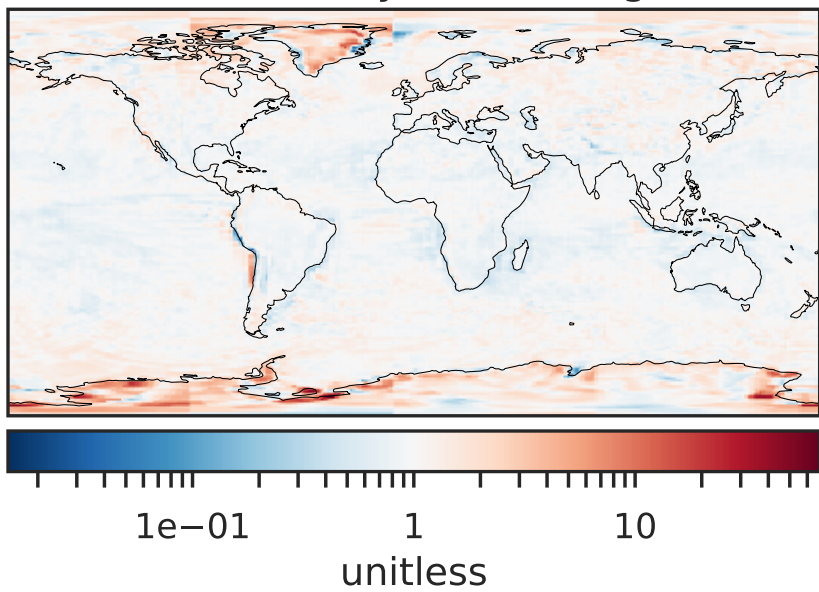
Difference (1x1.25)
Dev - Ref, Dynamic Range



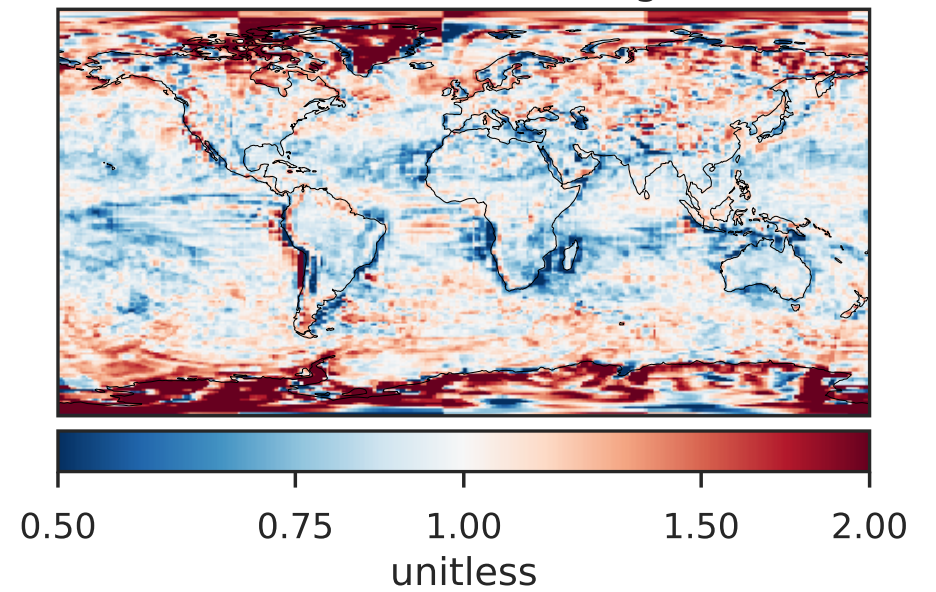
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

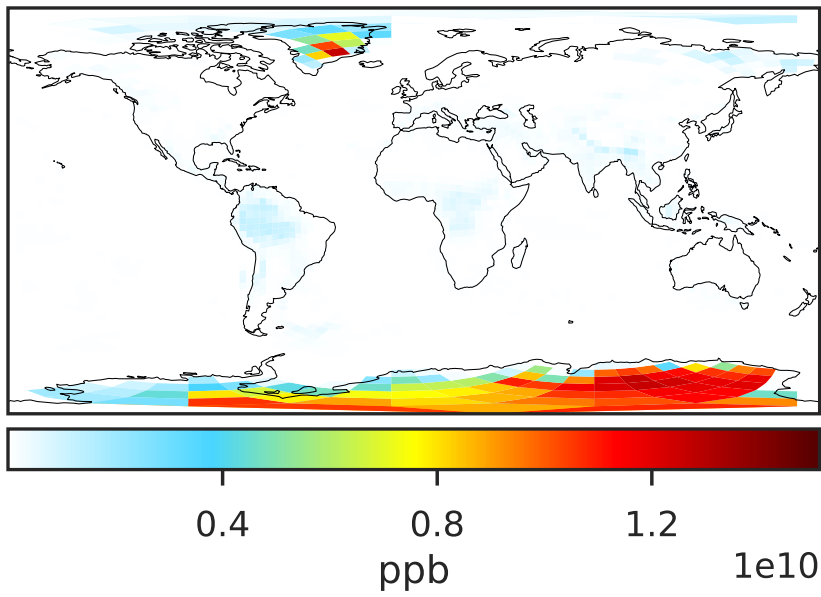


Ratio (1x1.25)
Dev/Ref, Fixed Range

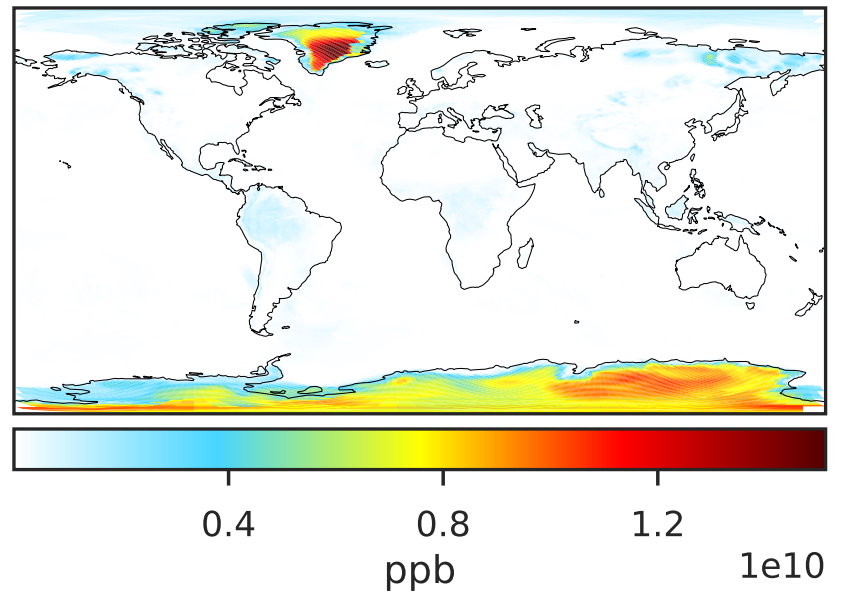


SpeciesConcVV_aoa_bl (Oct2019)

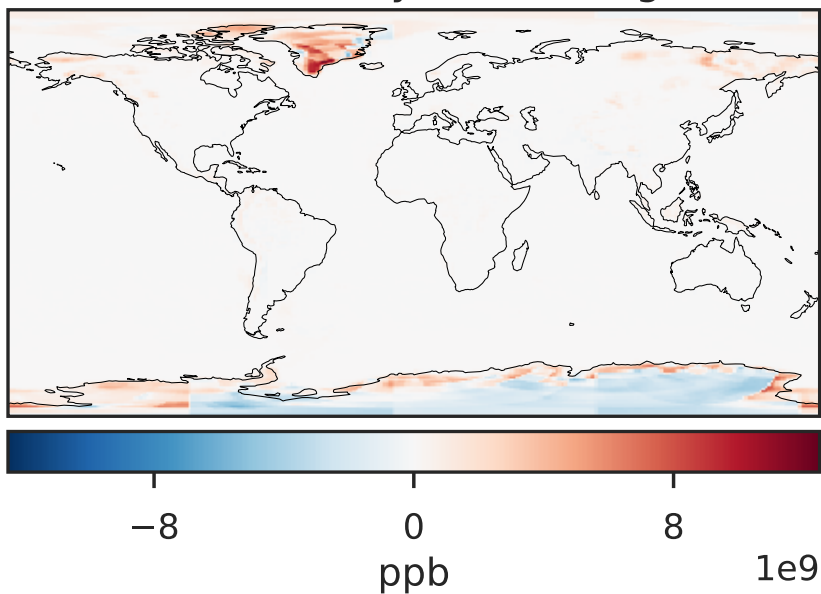
GCHP 14.2.2 using wind (c30) (Ref)
c30



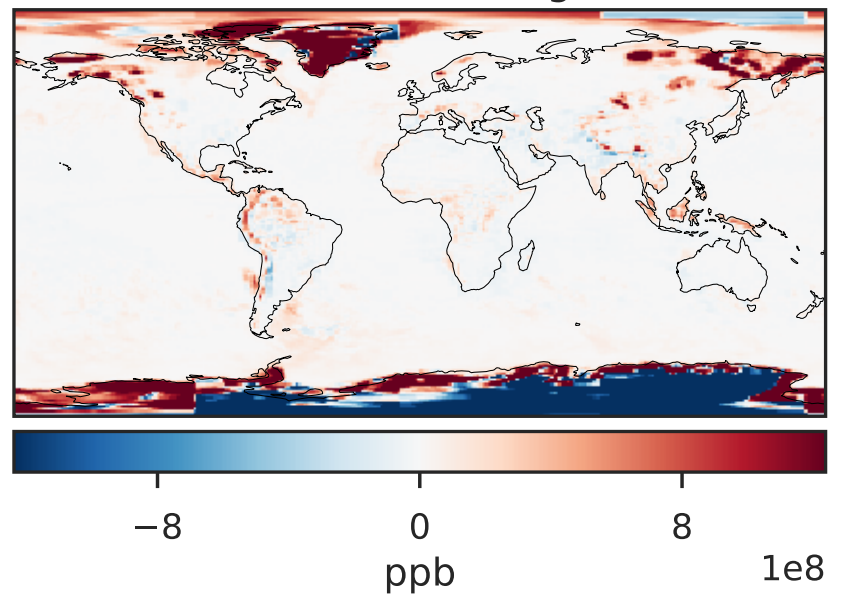
GCHP 14.2.2 using wind (c180) (Dev)
c180



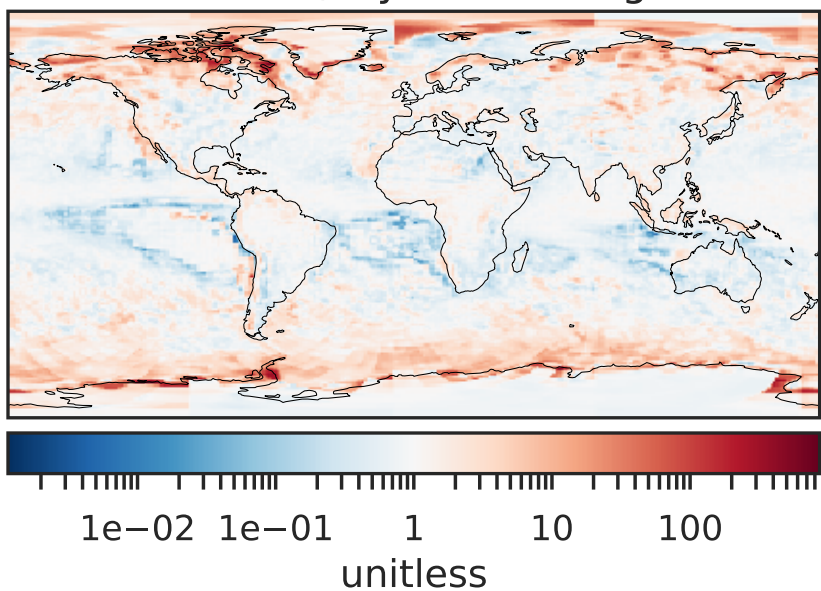
Difference (1x1.25)
Dev - Ref, Dynamic Range



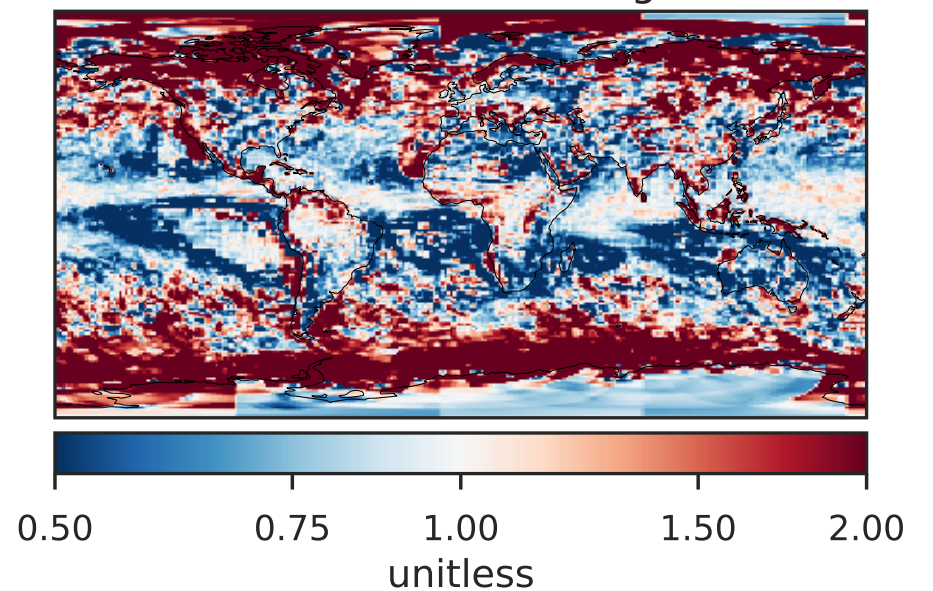
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

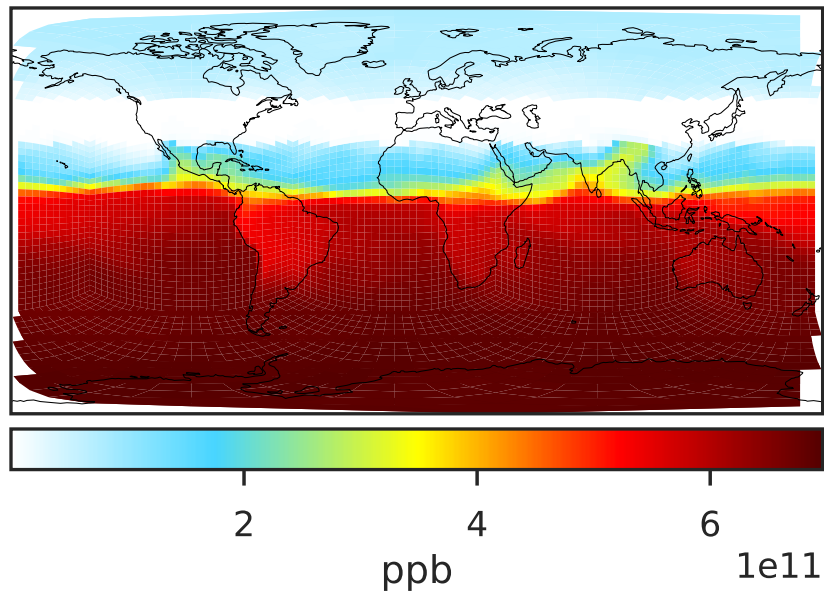


Ratio (1x1.25)
Dev/Ref, Fixed Range

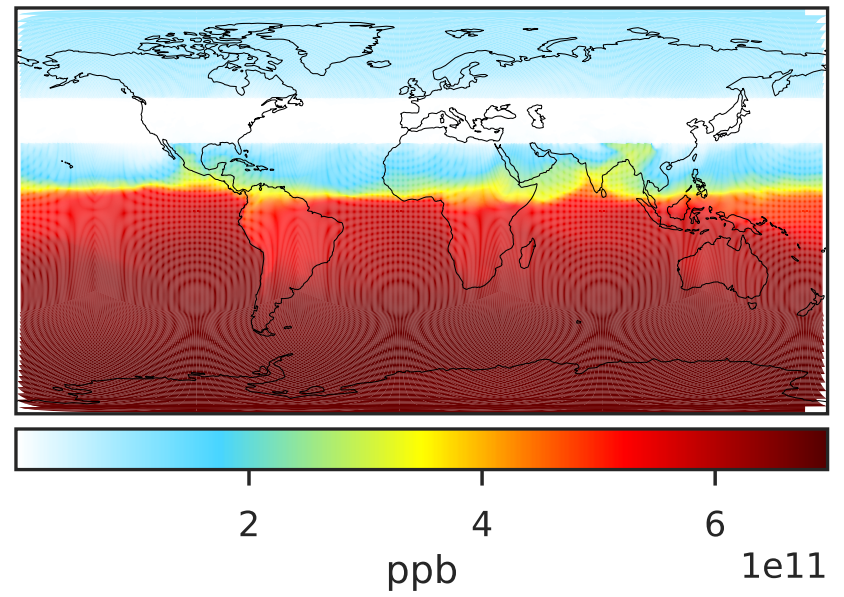


SpeciesConcVV_aoa_nh (Oct2019)

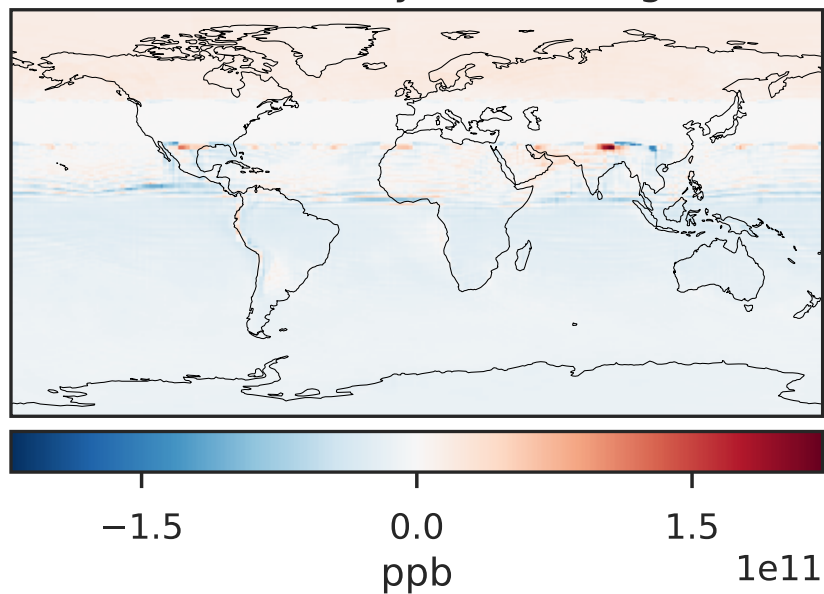
GCHP 14.2.2 using wind (c30) (Ref)
c30



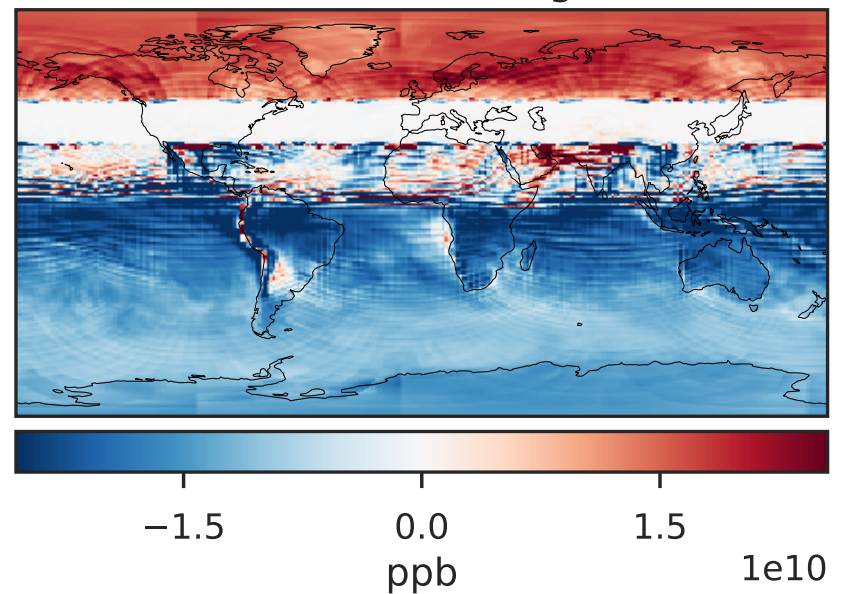
GCHP 14.2.2 using wind (c180) (Dev)
c180



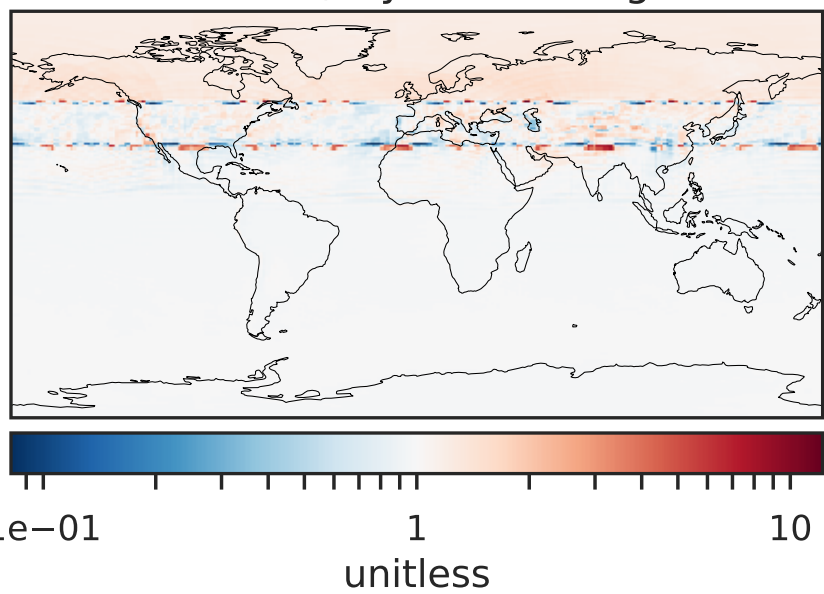
Difference (1x1.25)
Dev - Ref, Dynamic Range



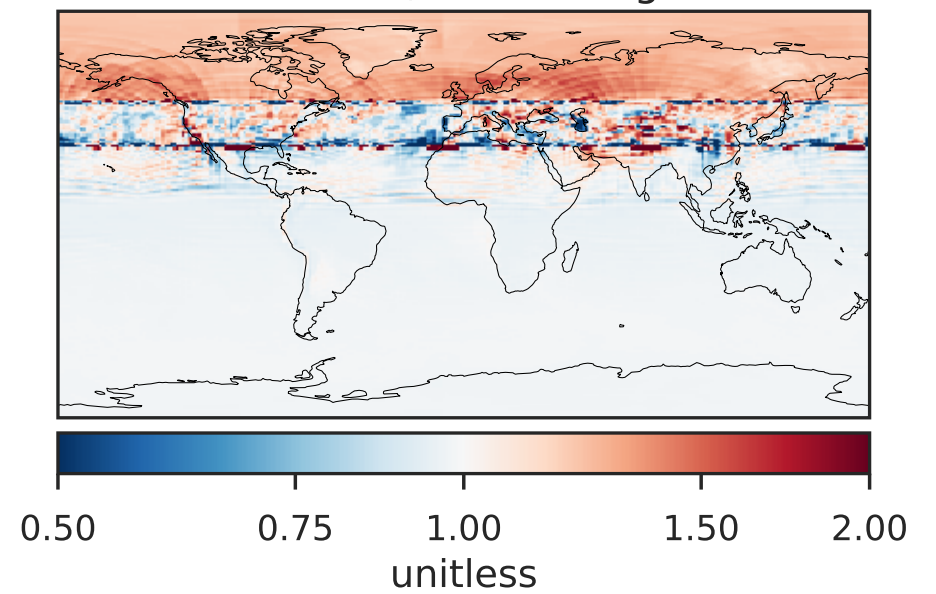
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

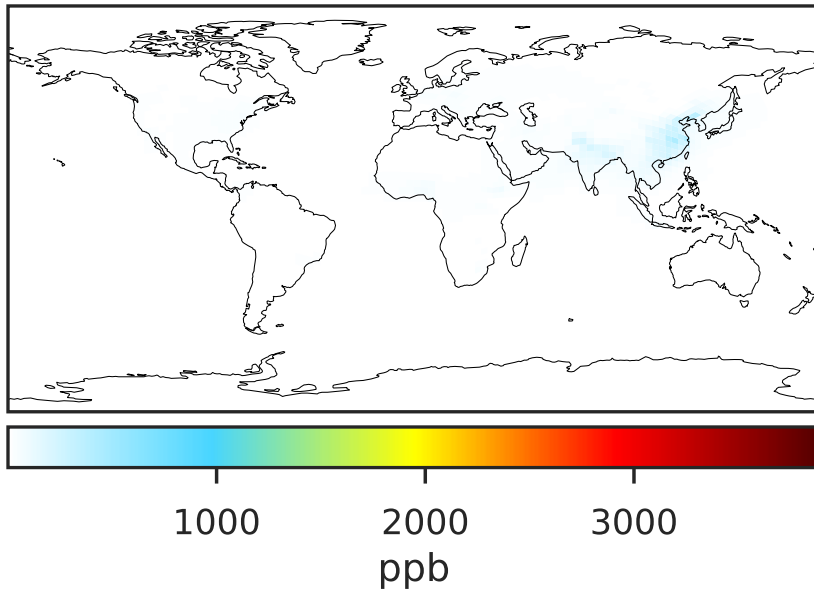


Ratio (1x1.25)
Dev/Ref, Fixed Range

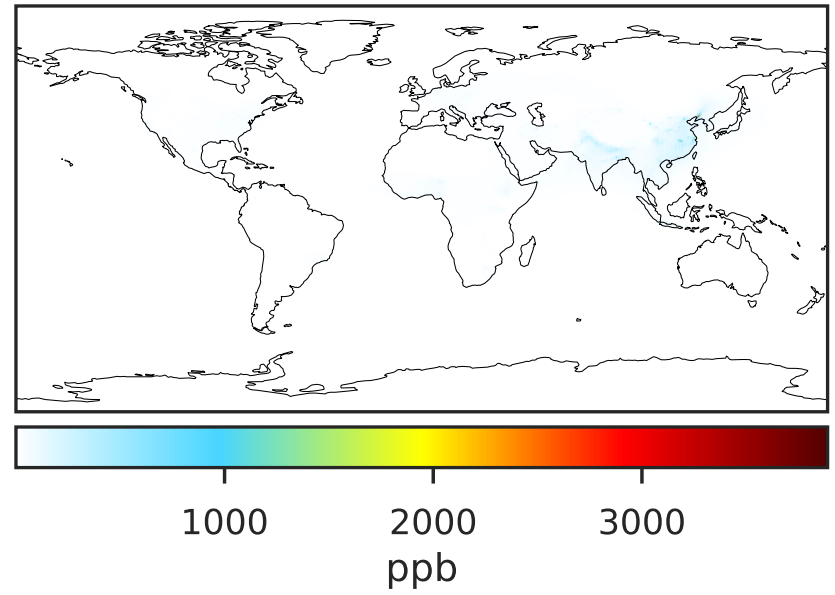


SpeciesConcVV_CO_25 (Oct2019)

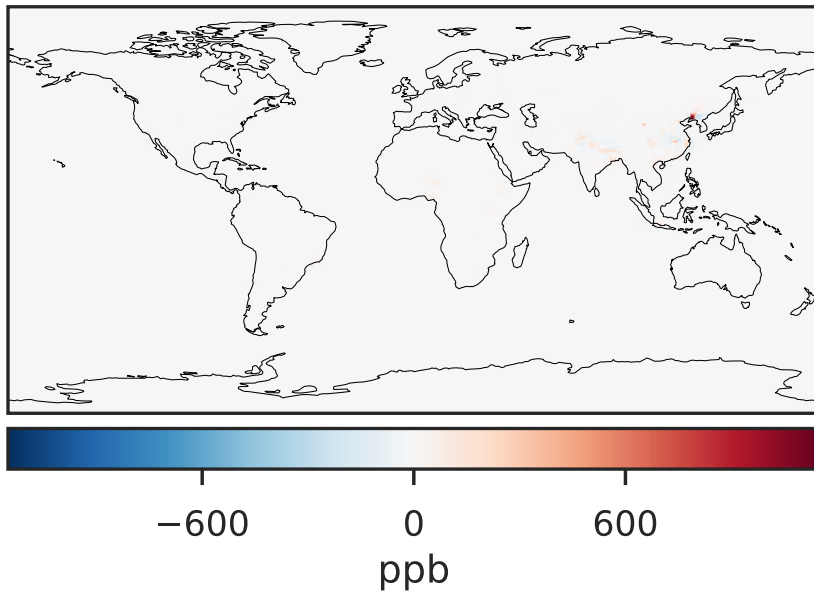
GCHP 14.2.2 using wind (c30) (Ref)
c30



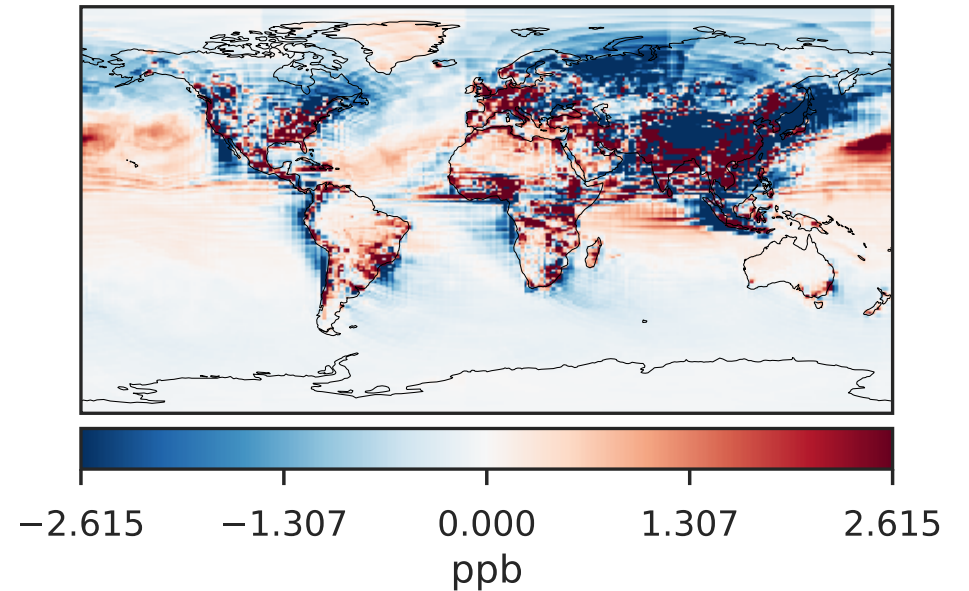
GCHP 14.2.2 using wind (c180) (Dev)
c180



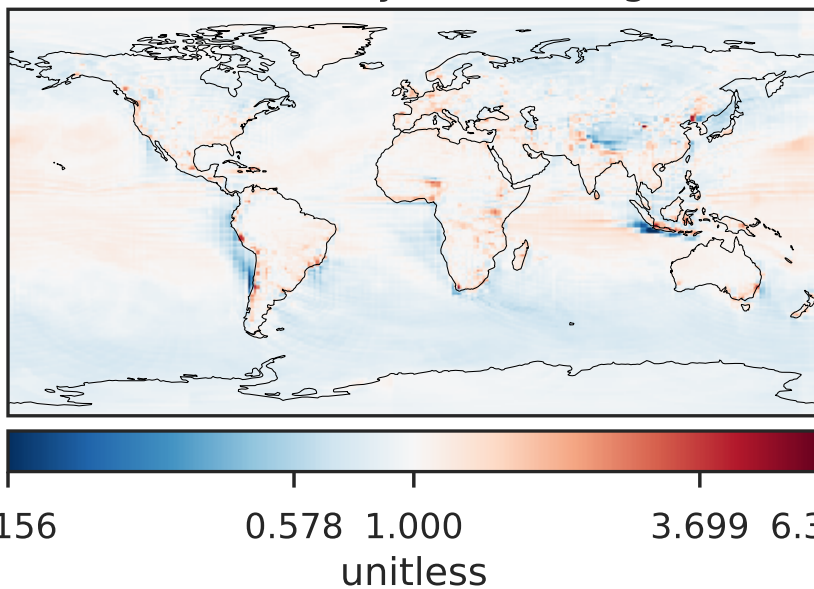
Difference (1x1.25)
Dev - Ref, Dynamic Range



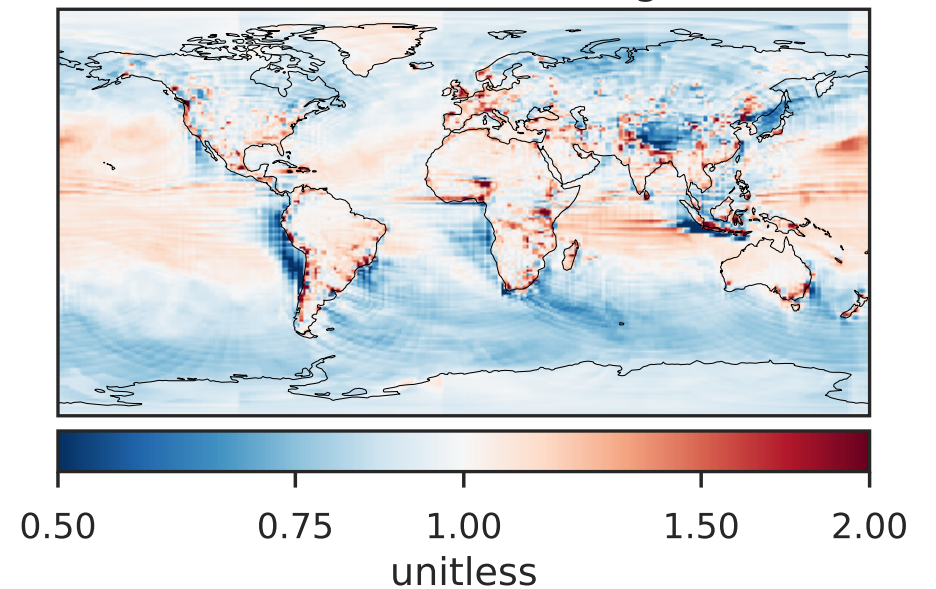
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

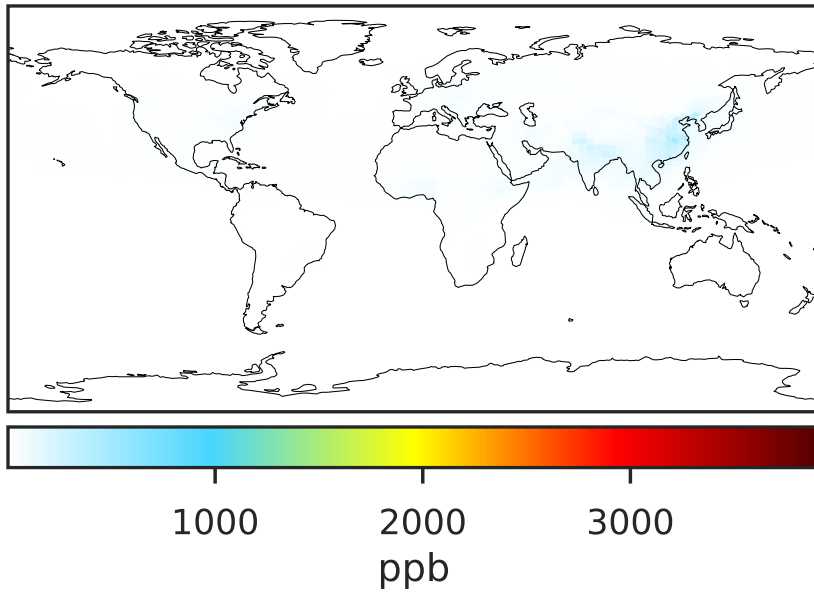


Ratio (1x1.25)
Dev/Ref, Fixed Range

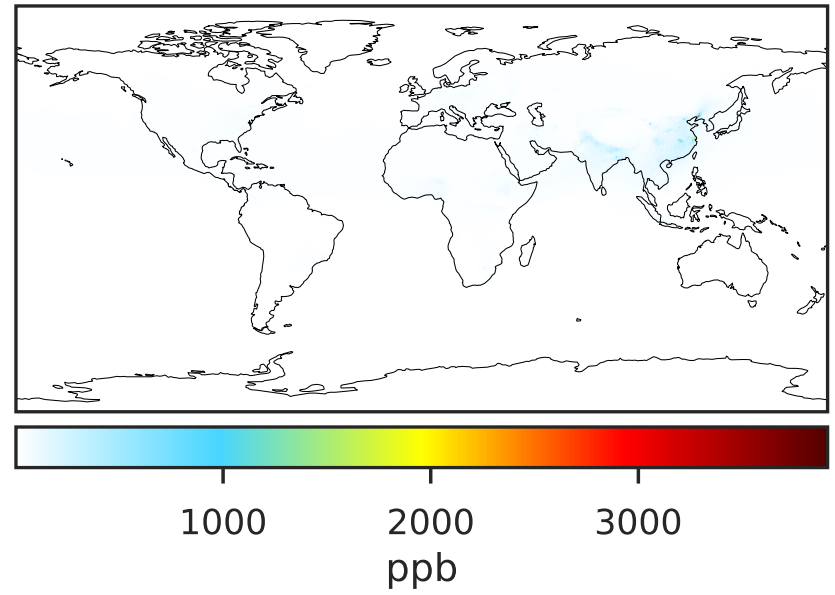


SpeciesConcVV_CO_50 (Oct2019)

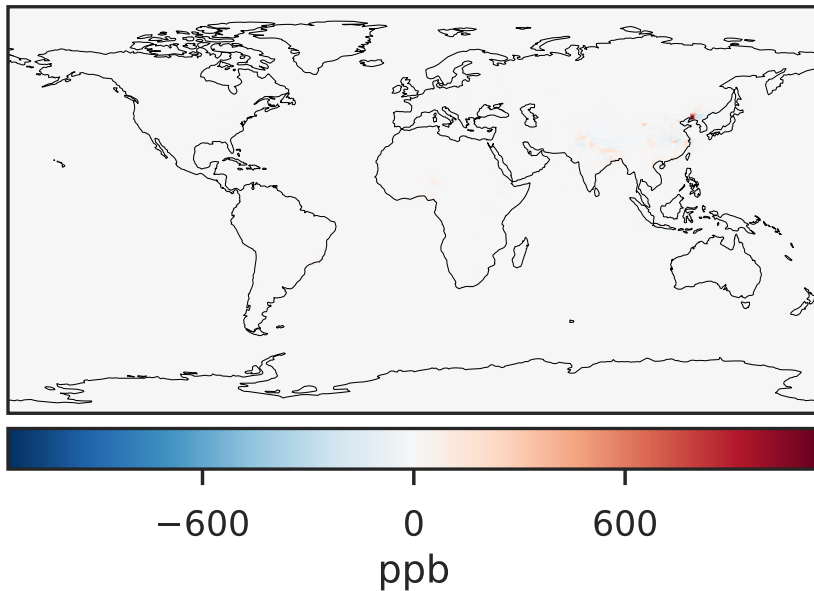
GCHP 14.2.2 using wind (c30) (Ref)
c30



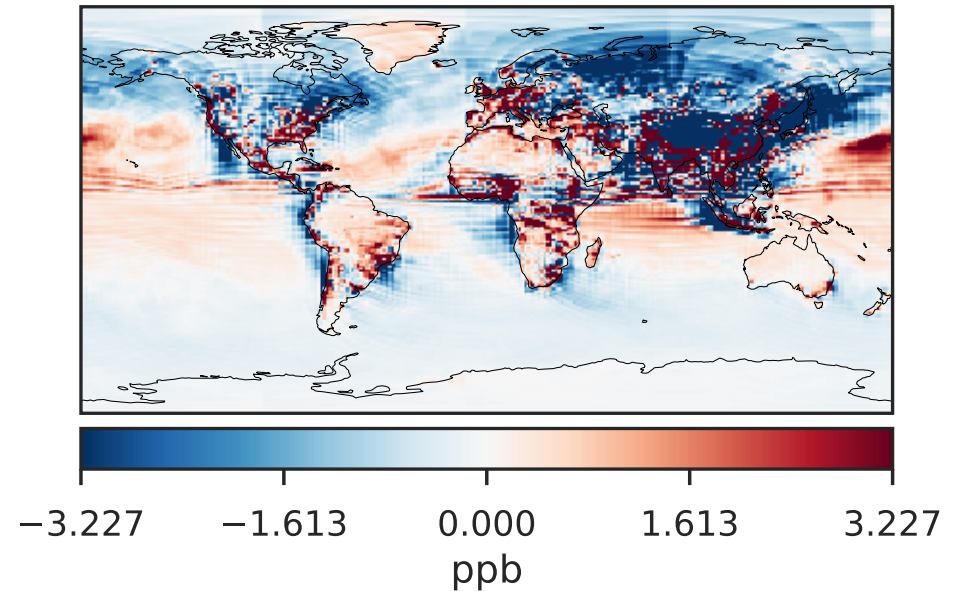
GCHP 14.2.2 using wind (c180) (Dev)
c180



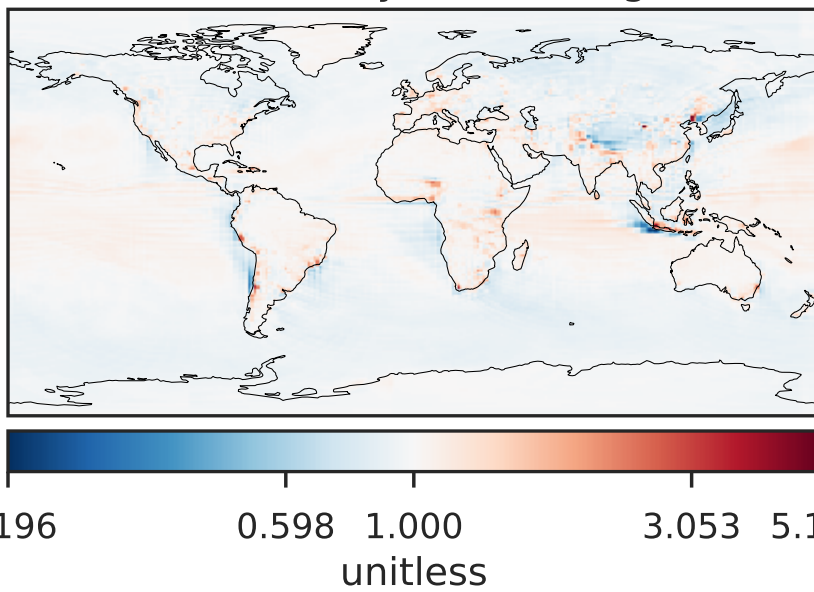
Difference (1x1.25)
Dev - Ref, Dynamic Range



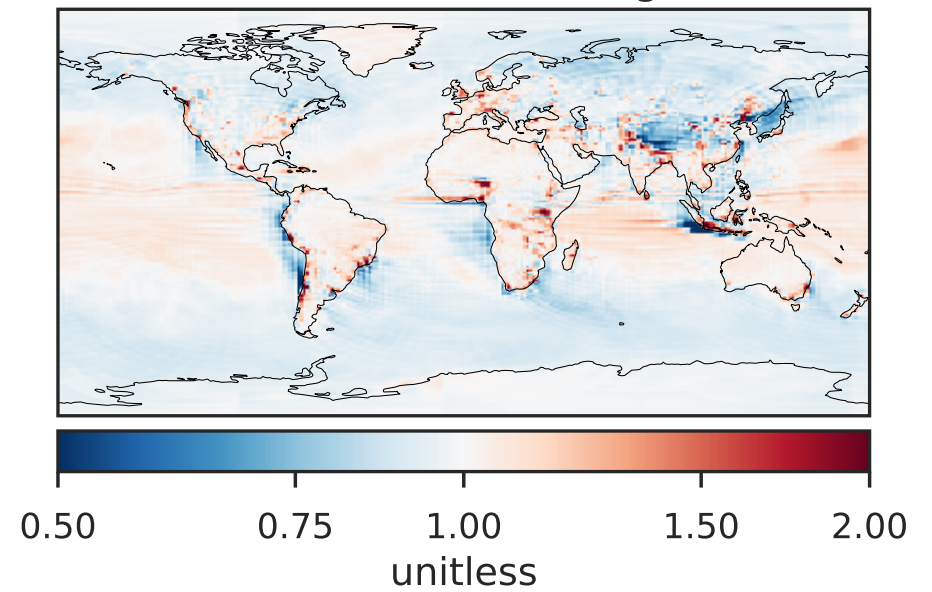
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

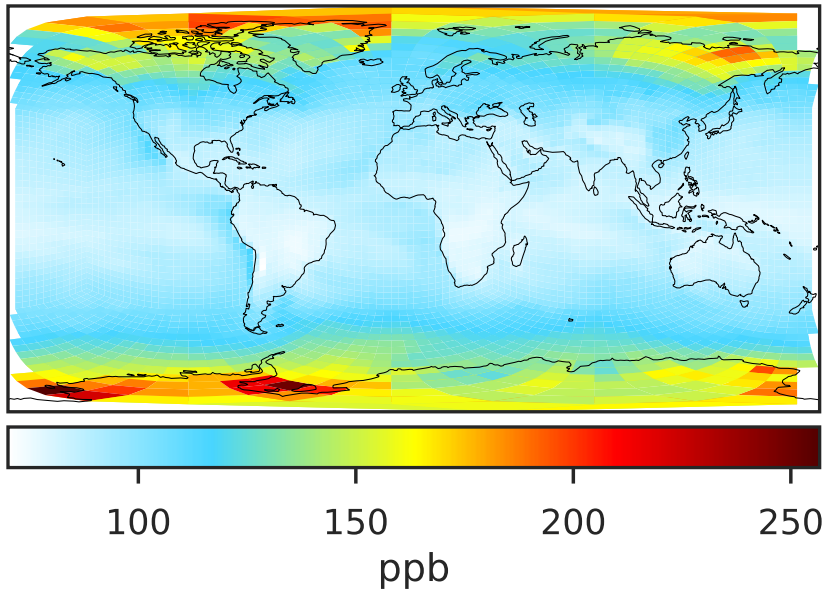


Ratio (1x1.25)
Dev/Ref, Fixed Range

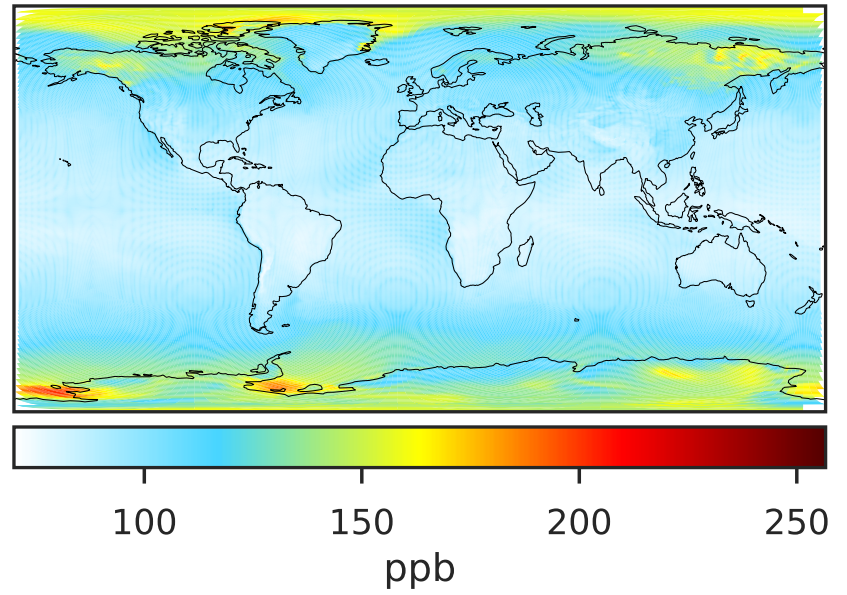


SpeciesConcVV_e90 (Oct2019)

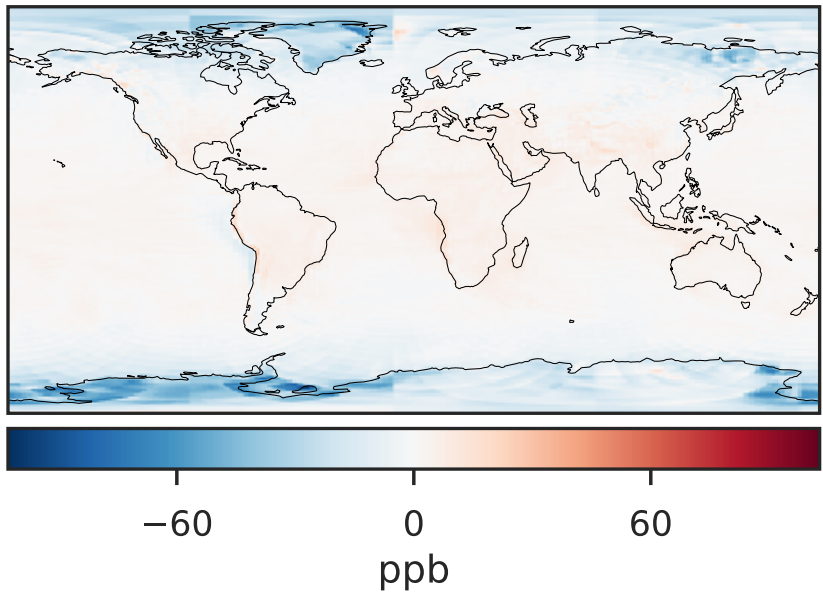
GCHP 14.2.2 using wind (c30) (Ref)
c30



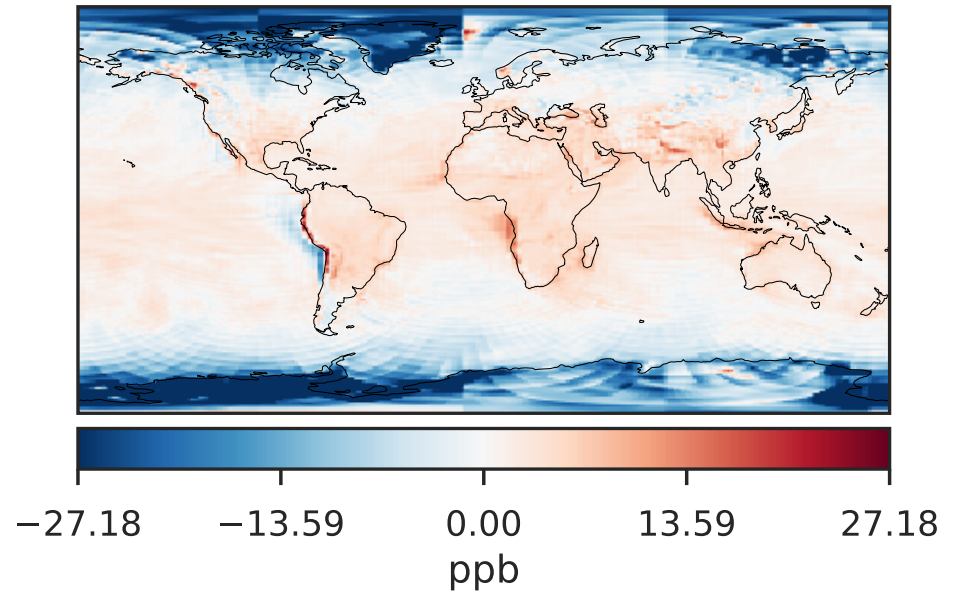
GCHP 14.2.2 using wind (c180) (Dev)
c180



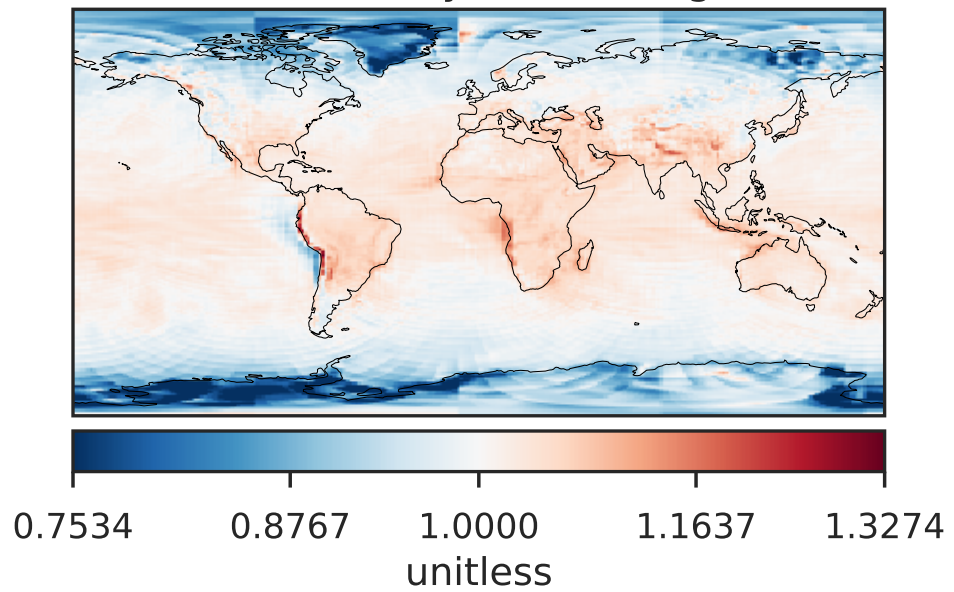
Difference (1x1.25)
Dev - Ref, Dynamic Range



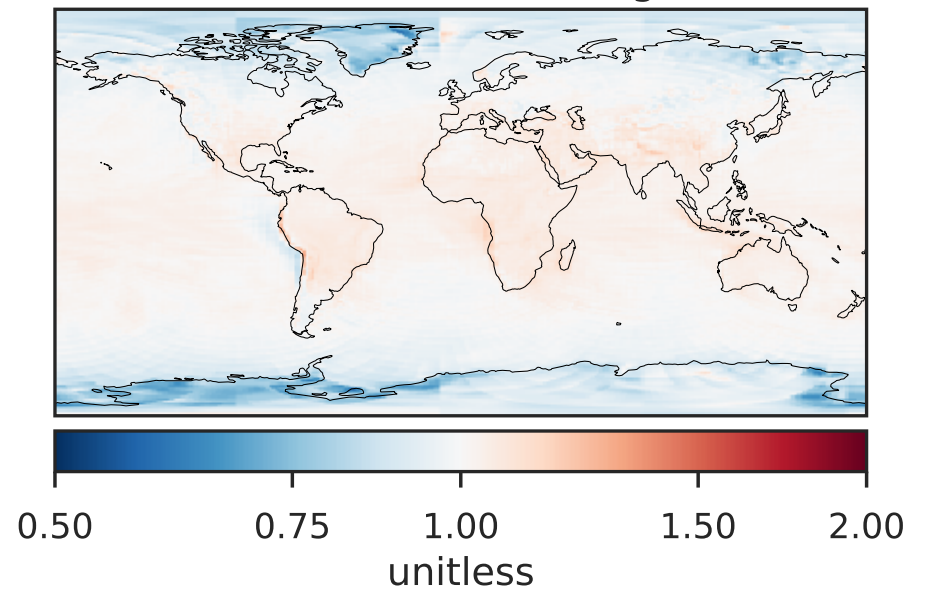
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

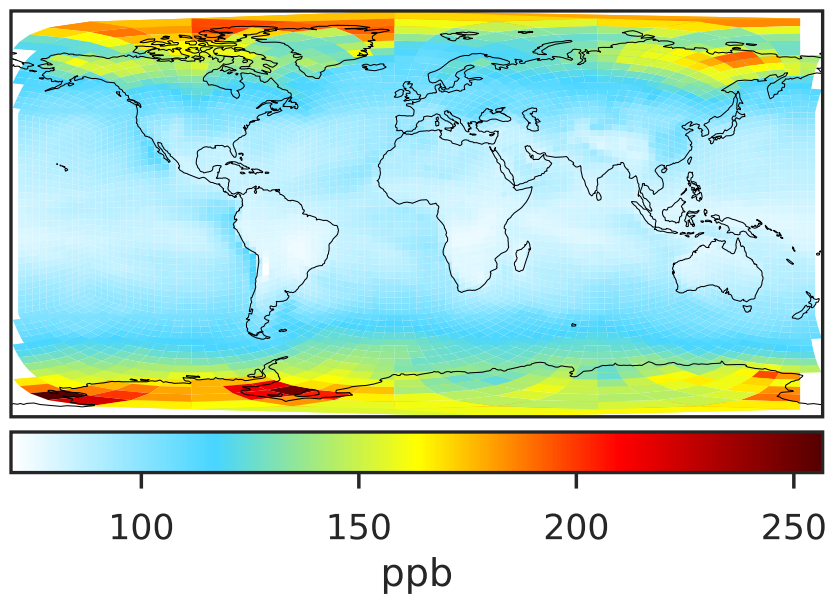


Ratio (1x1.25)
Dev/Ref, Fixed Range

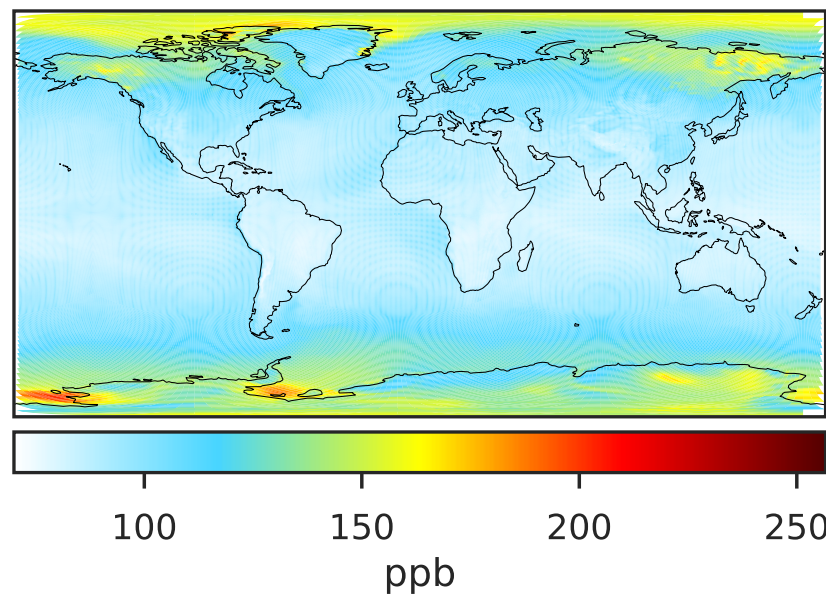


SpeciesConcVV_e90_n (Oct2019)

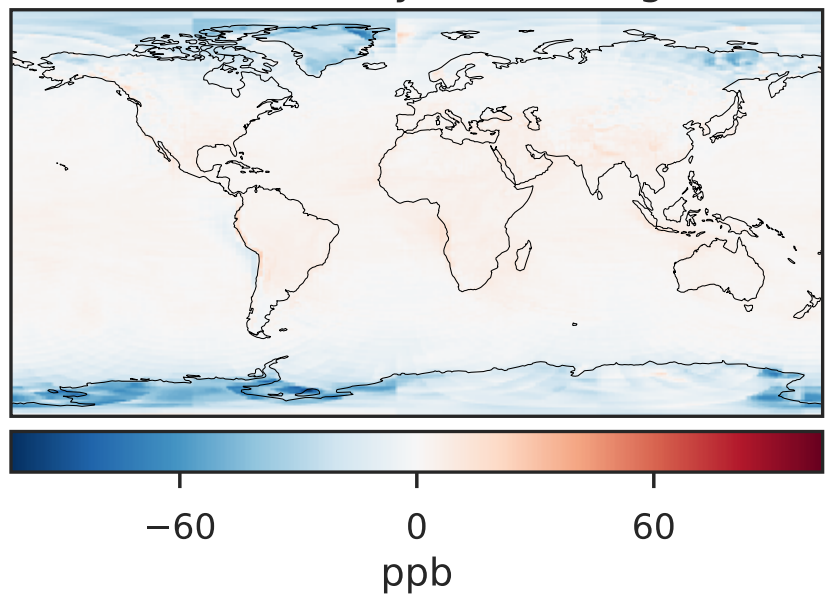
GCHP 14.2.2 using wind (c30) (Ref)
c30



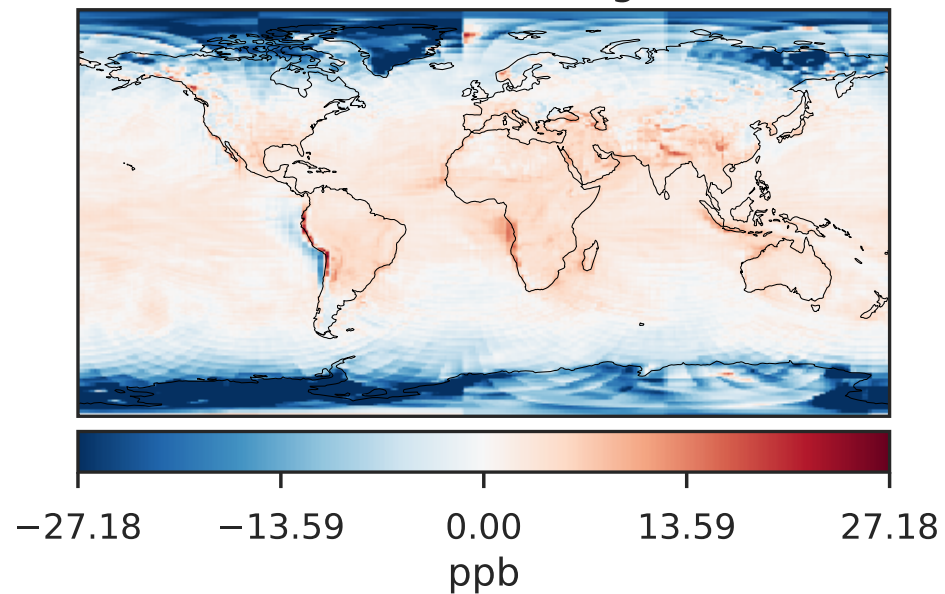
GCHP 14.2.2 using wind (c180) (Dev)
c180



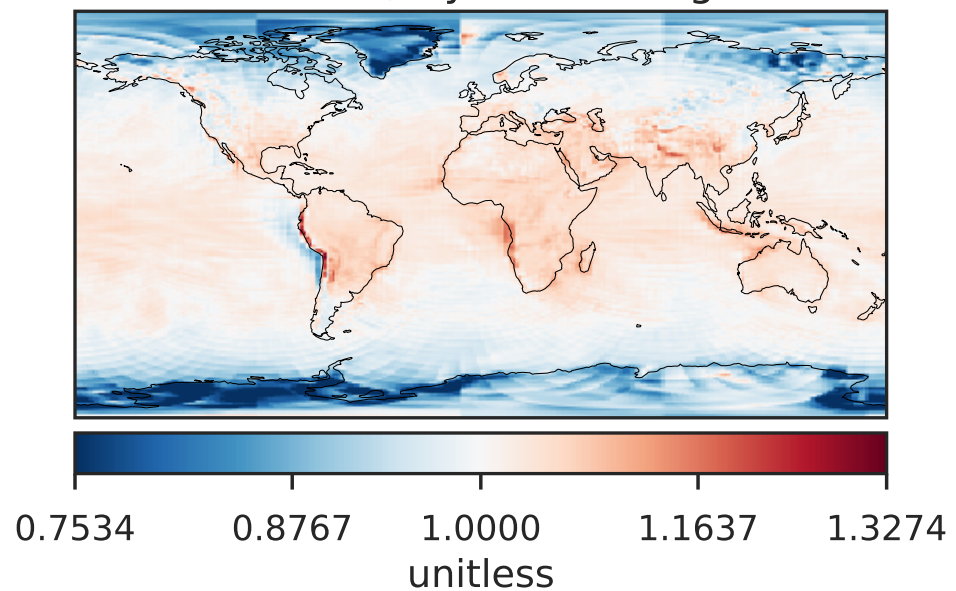
Difference (1x1.25)
Dev - Ref, Dynamic Range



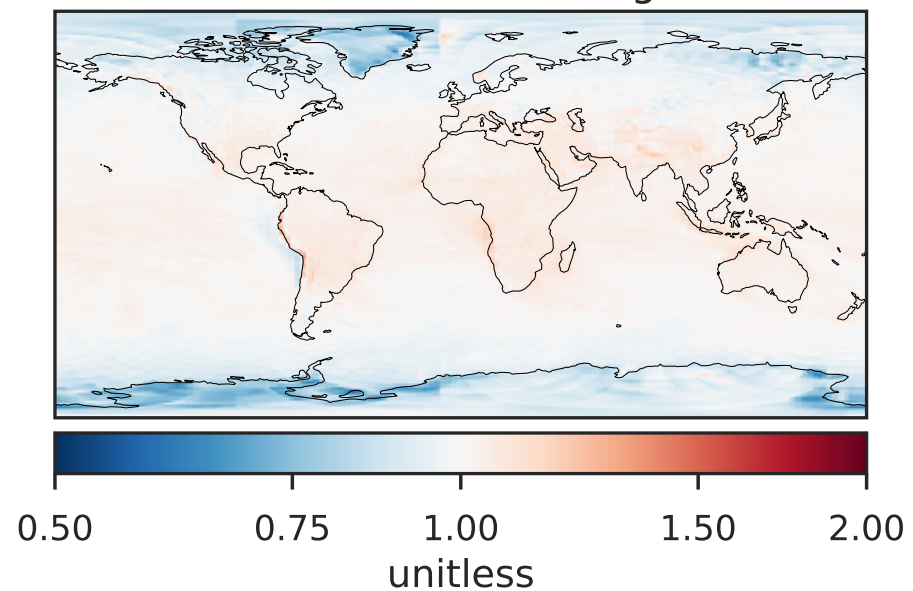
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

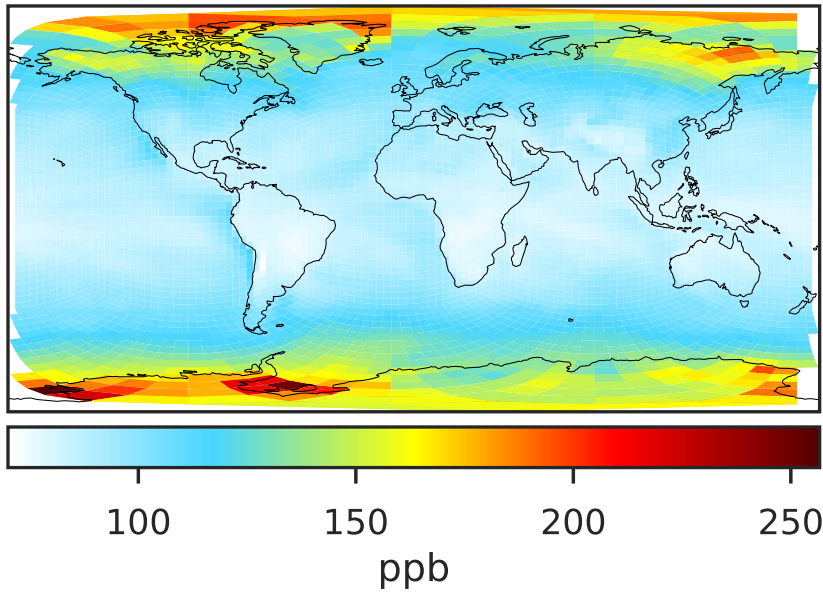


Ratio (1x1.25)
Dev/Ref, Fixed Range

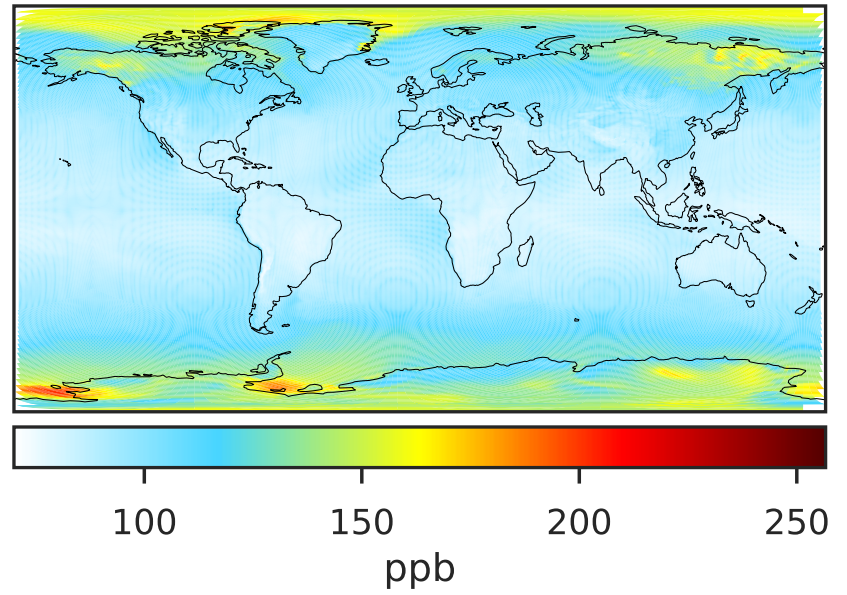


SpeciesConcVV_e90_s (Oct2019)

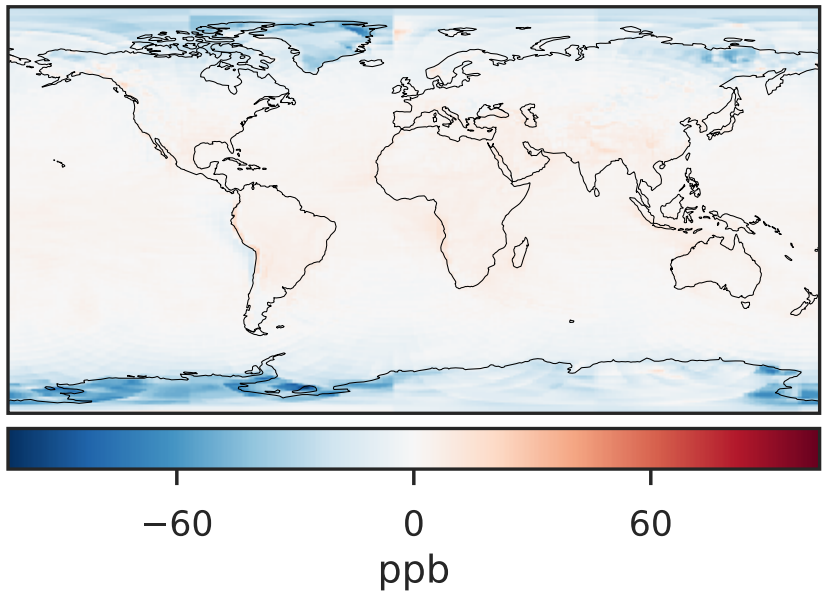
GCHP 14.2.2 using wind (c30) (Ref)
c30



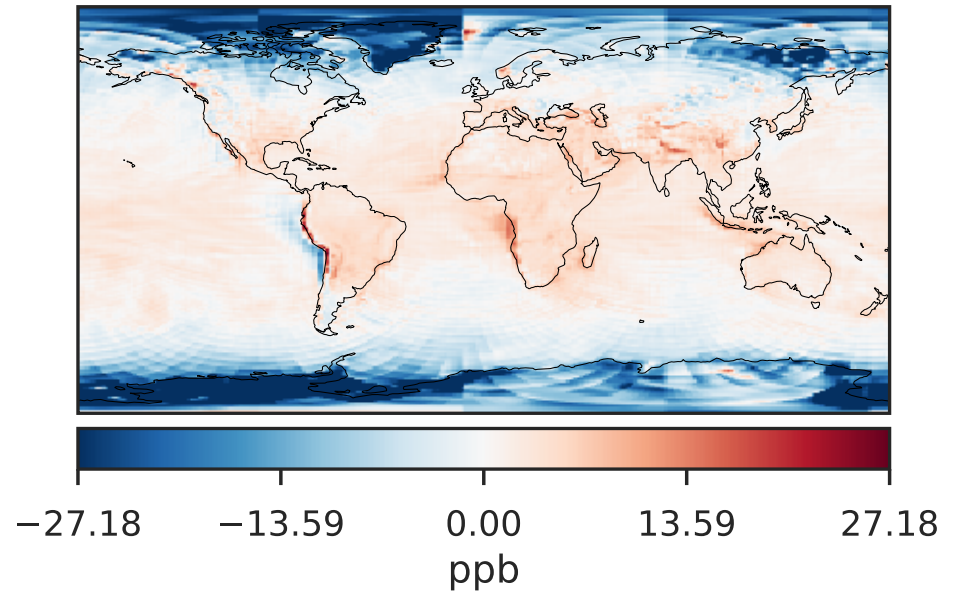
GCHP 14.2.2 using wind (c180) (Dev)
c180



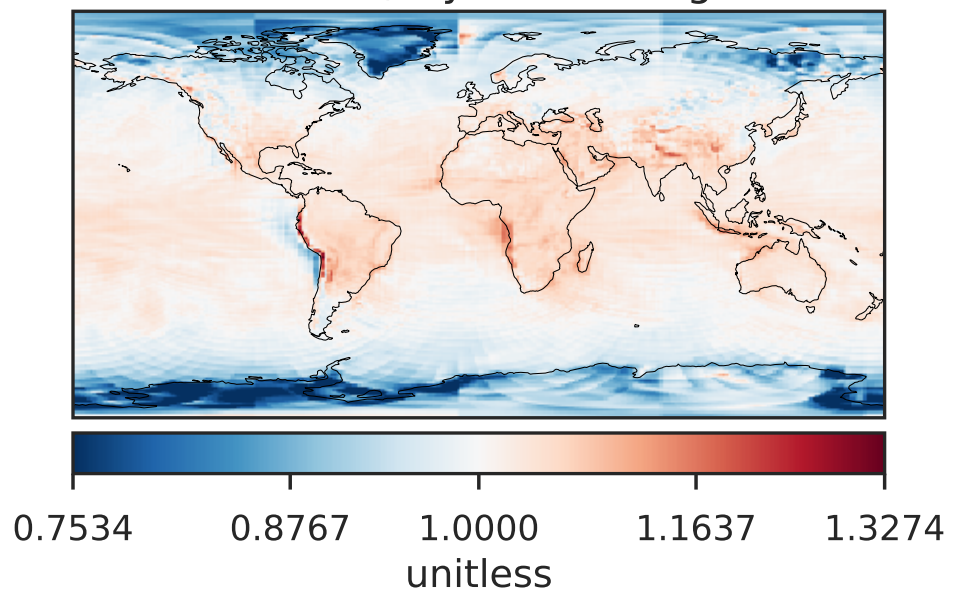
Difference (1x1.25)
Dev - Ref, Dynamic Range



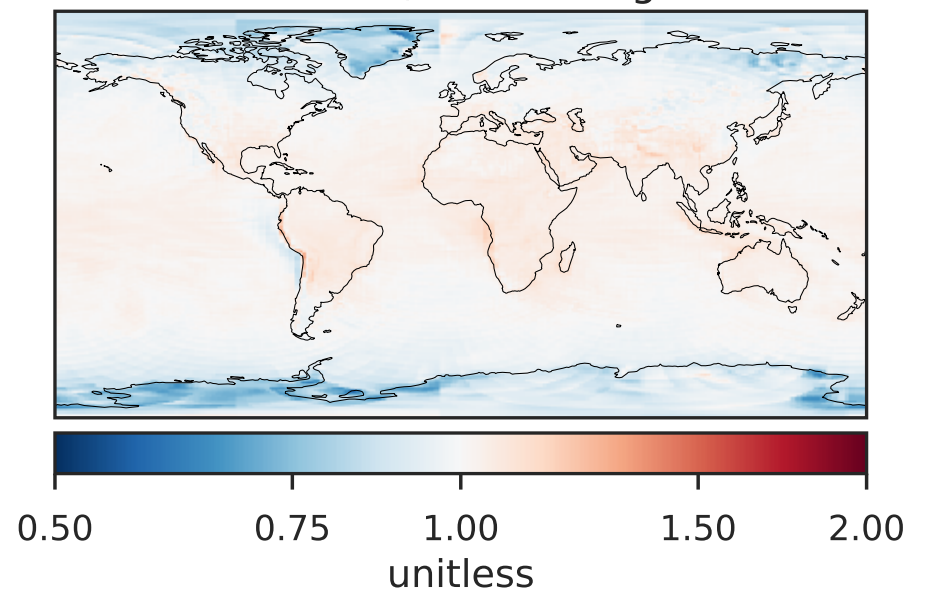
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

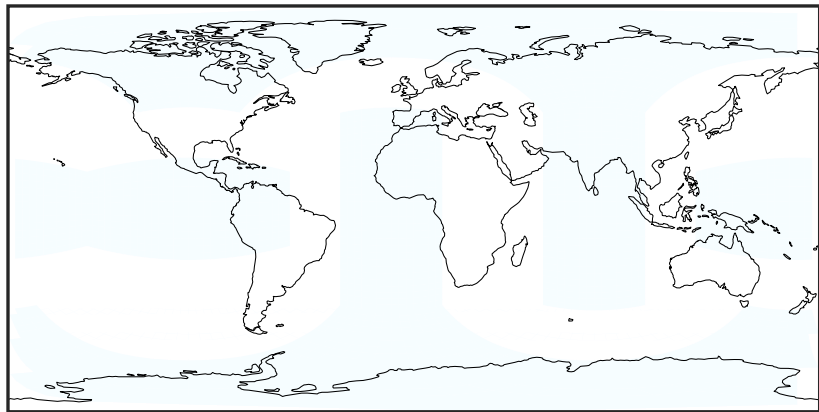


Ratio (1x1.25)
Dev/Ref, Fixed Range



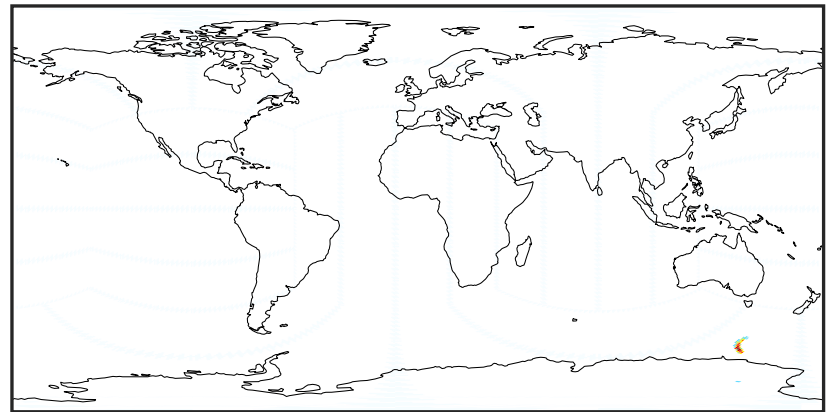
SpeciesConcVV_st80_25 (Oct2019)

GCHP 14.2.2 using wind (c30) (Ref)
c30



0.00600 0.00625 0.00650 0.00675
ppb +1.9988e2

GCHP 14.2.2 using wind (c180) (Dev)
c180



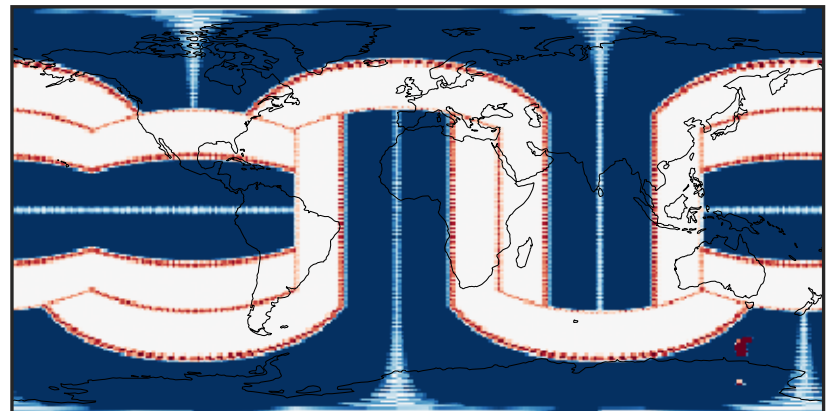
0.00600 0.00625 0.00650 0.00675
ppb +1.9988e2

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



-0.0004 0.0000 0.0004
ppb

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



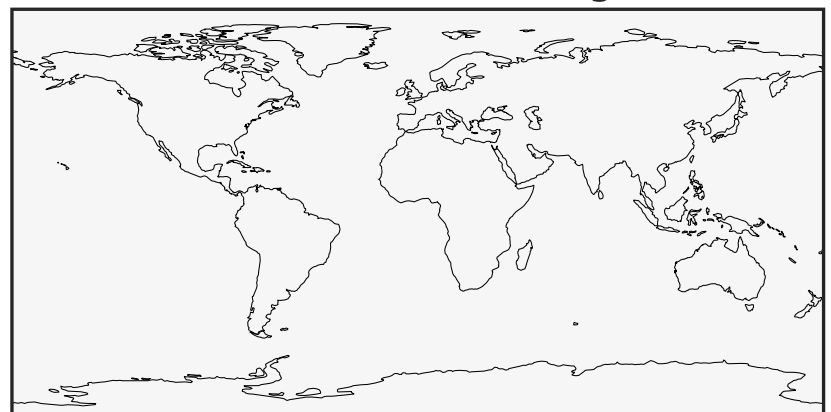
-8 0 8
ppb 1e-6

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



0.999996069 1.000000000
unitless

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



1.000003931 0.50 0.75 1.00 1.50 2.00
unitless