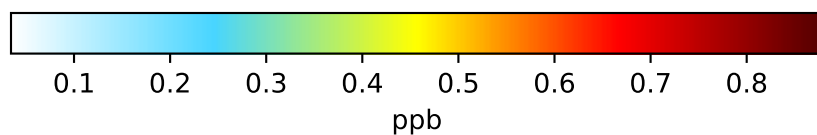
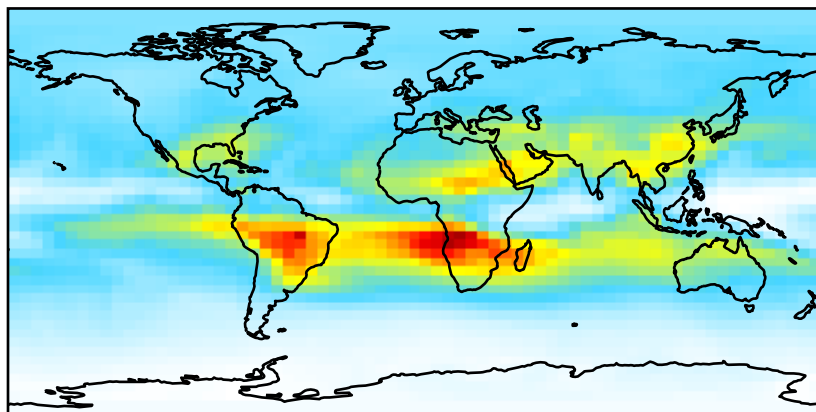
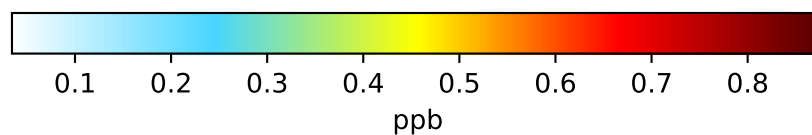
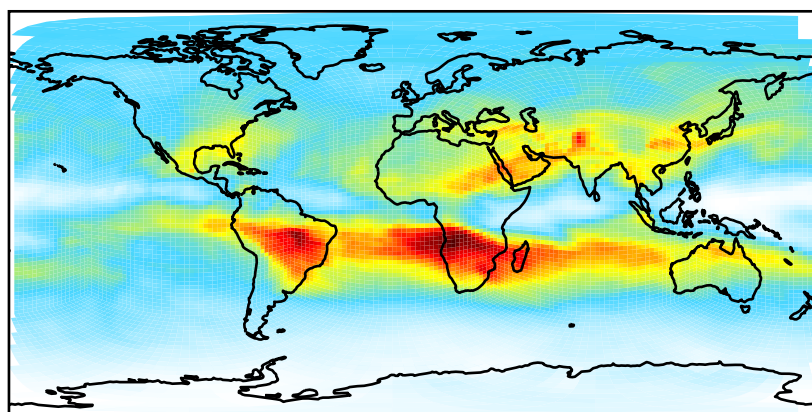


SpeciesConc_NOy (Oct2019)

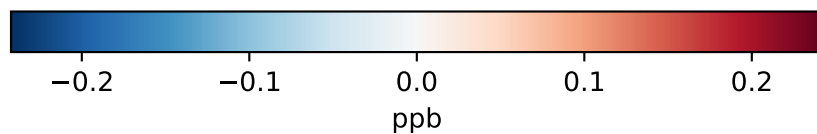
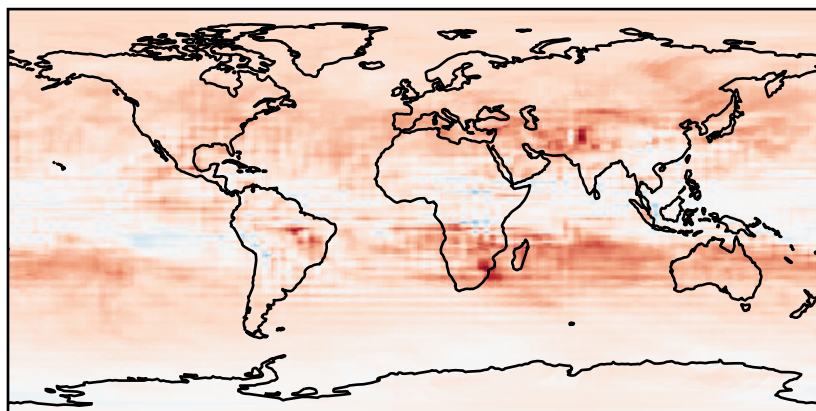
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



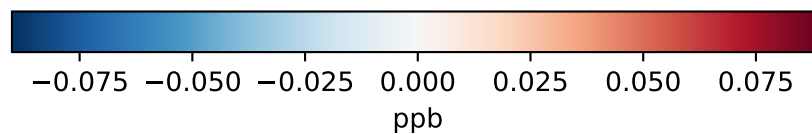
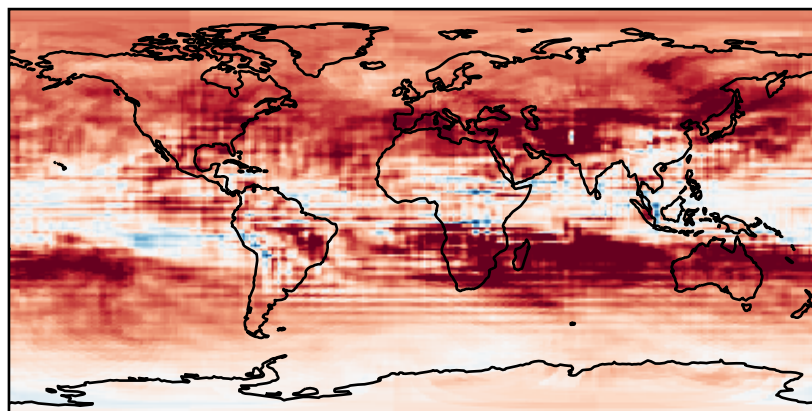
GCHP_13.0.0-beta.1 (Dev)
c48



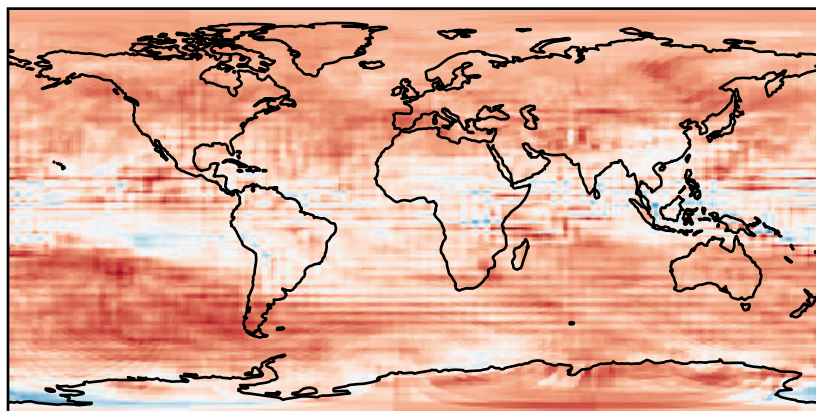
Difference (1x1.25)
Dev - Ref, Dynamic Range



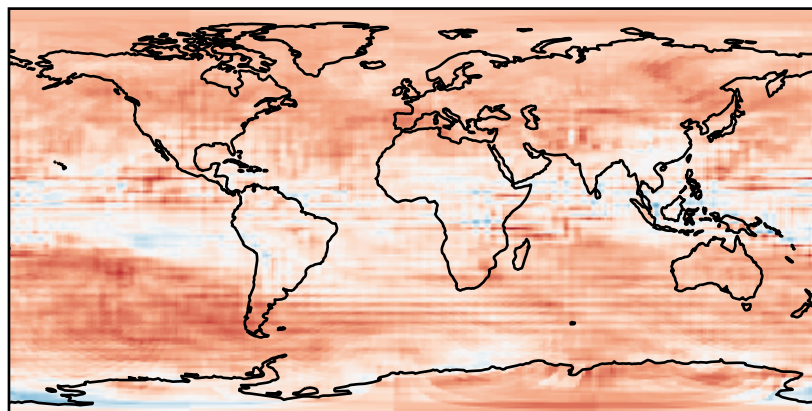
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

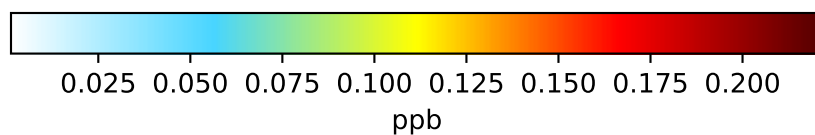
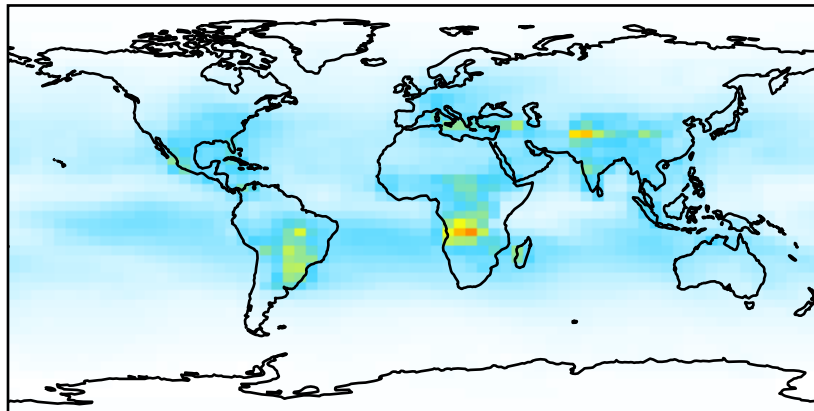


Ratio (1x1.25)
Dev/Ref, Fixed Range

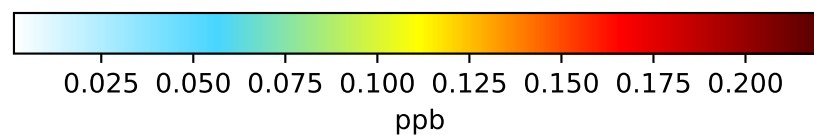
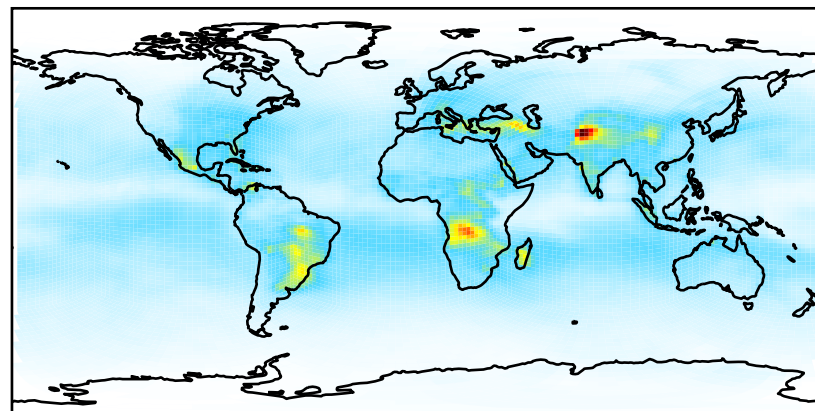


SpeciesConc_NOx (Oct2019)

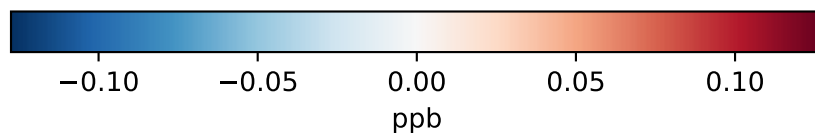
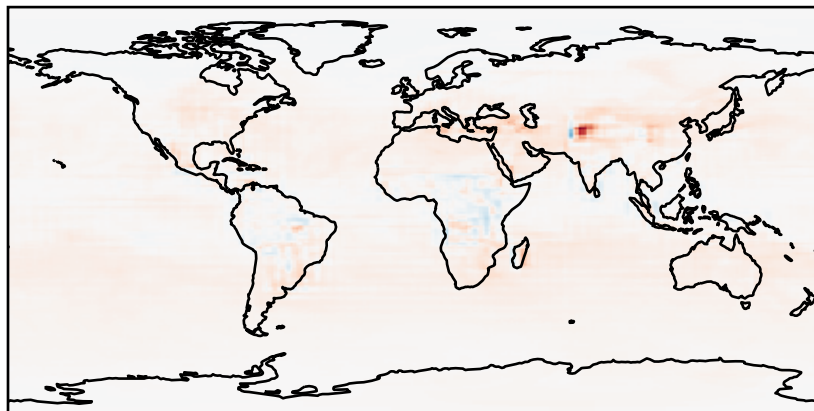
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



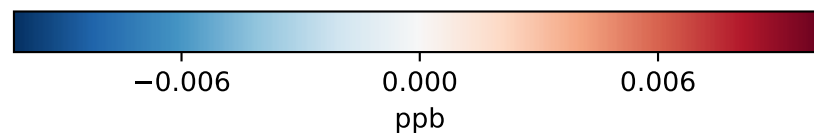
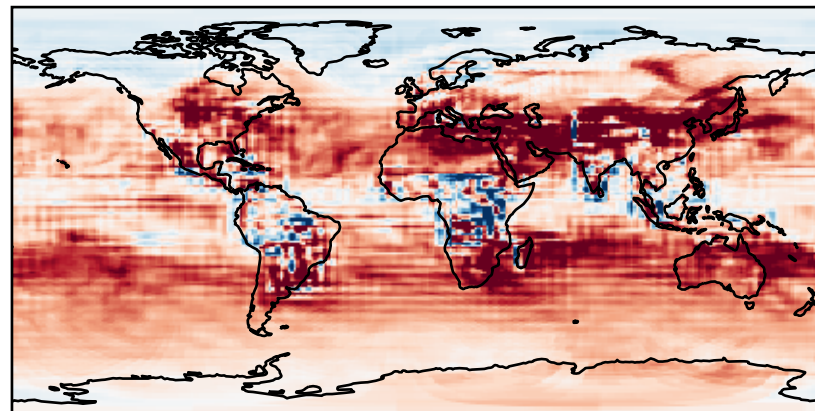
GCHP_13.0.0-beta.1 (Dev)
c48



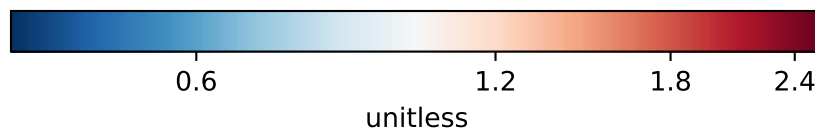
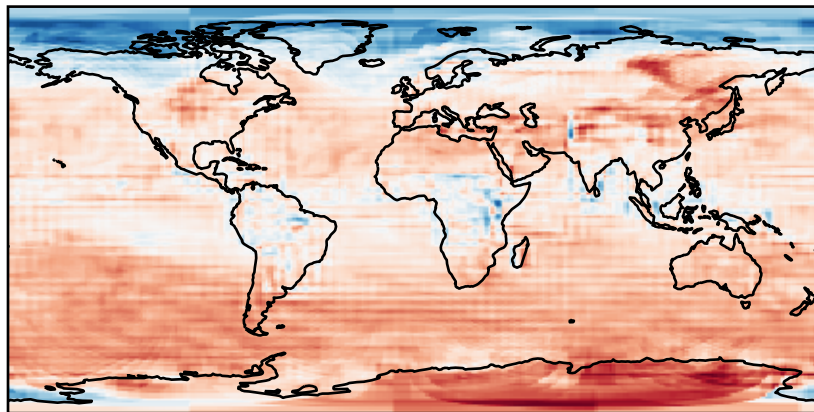
Difference (1x1.25)
Dev - Ref, Dynamic Range



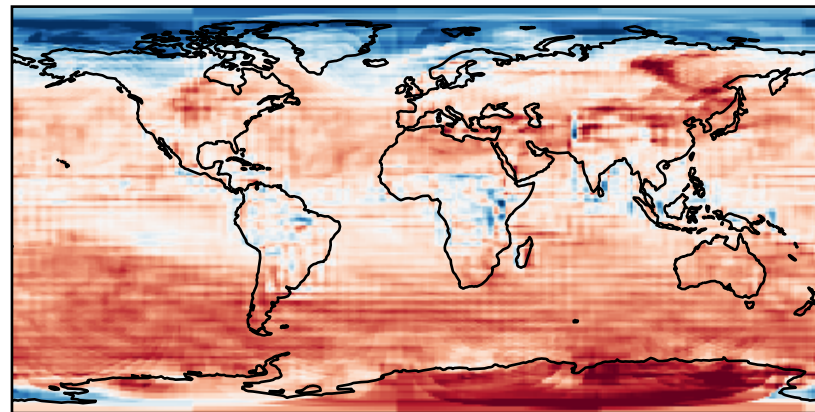
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

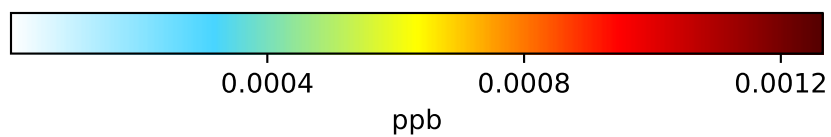
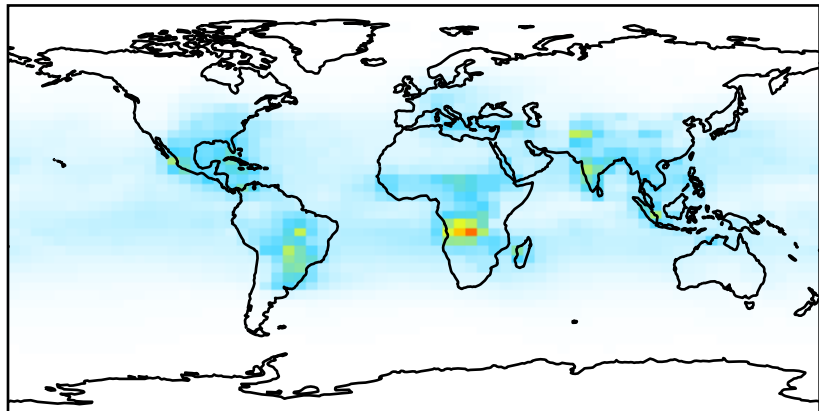


Ratio (1x1.25)
Dev/Ref, Fixed Range

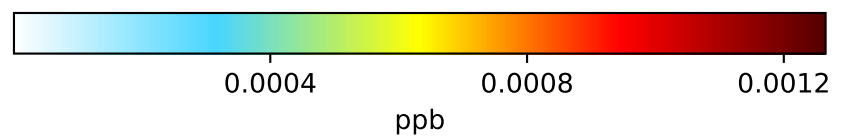
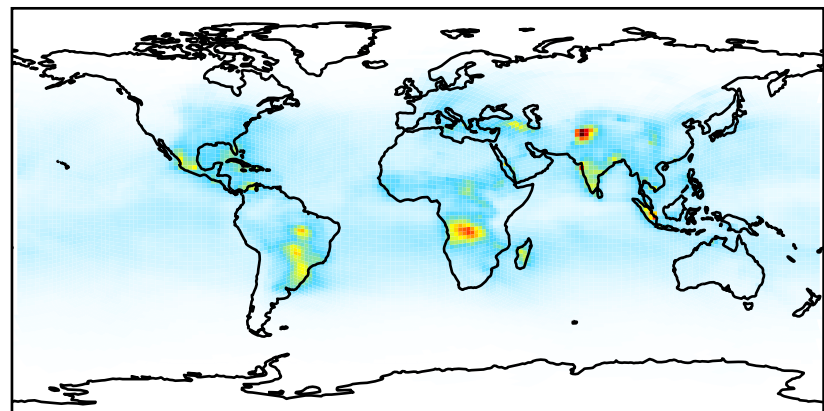


SpeciesConc_HNO2 (Oct2019)

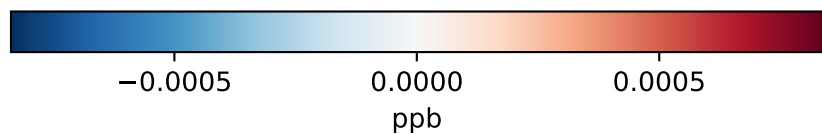
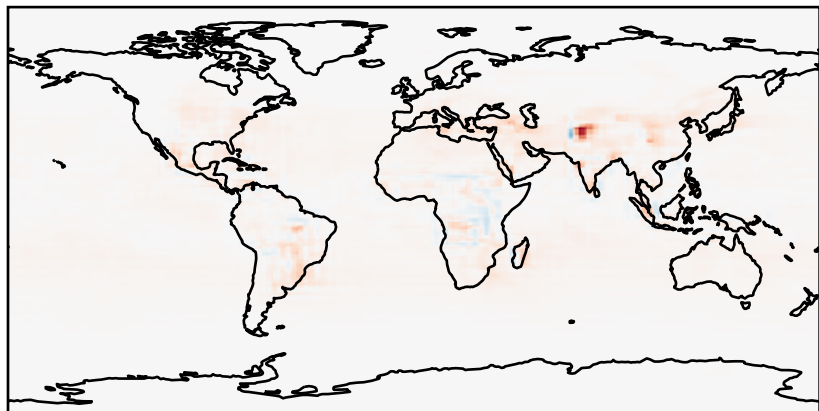
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



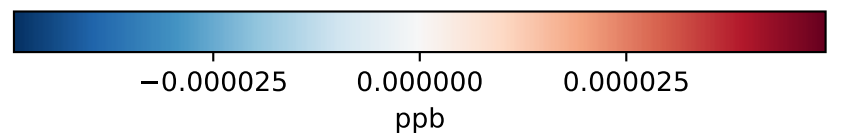
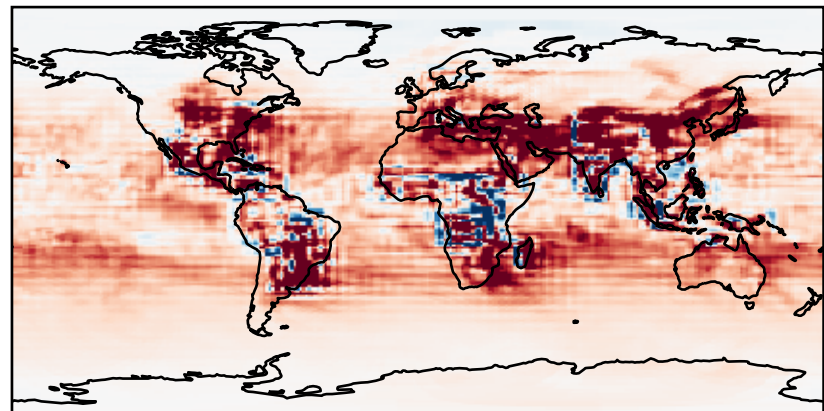
GCHP_13.0.0-beta.1 (Dev)
c48



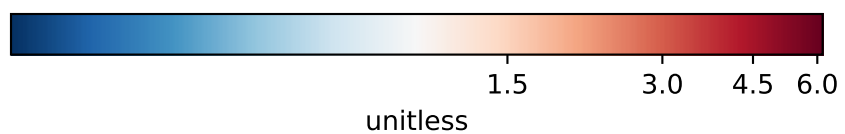
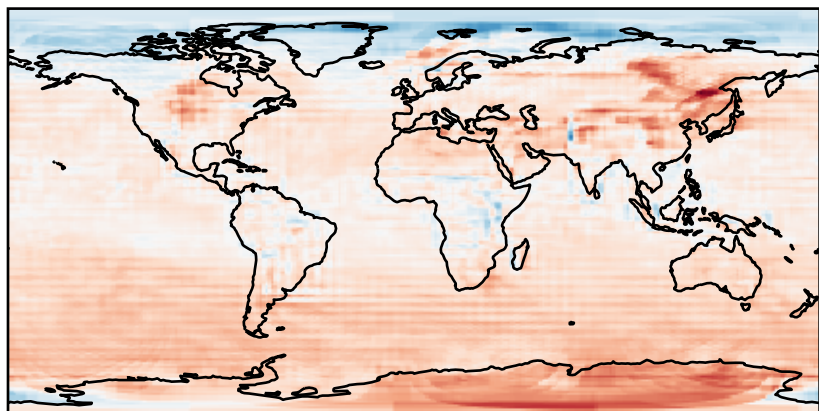
Difference (1x1.25)
Dev - Ref, Dynamic Range



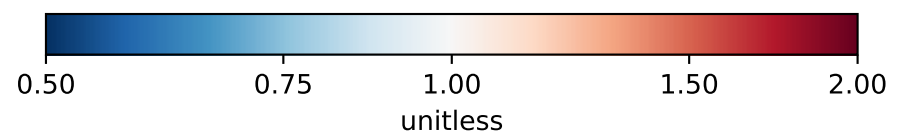
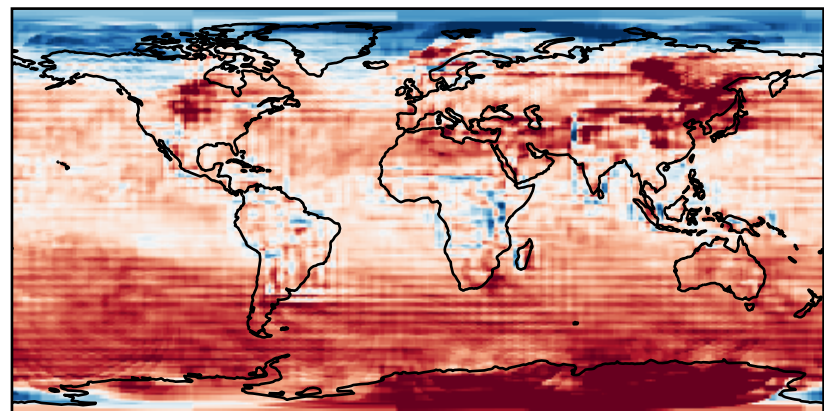
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

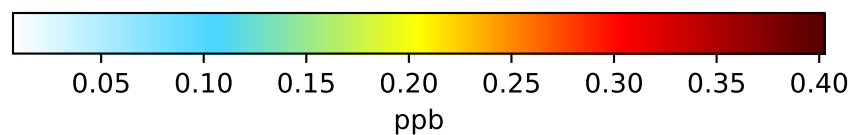
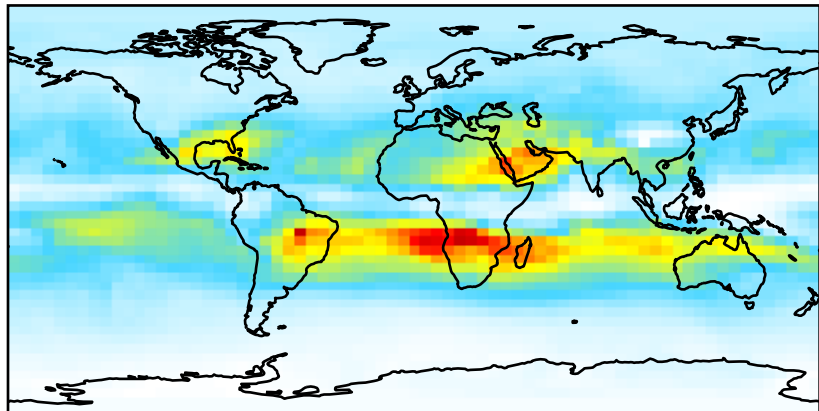


Ratio (1x1.25)
Dev/Ref, Fixed Range

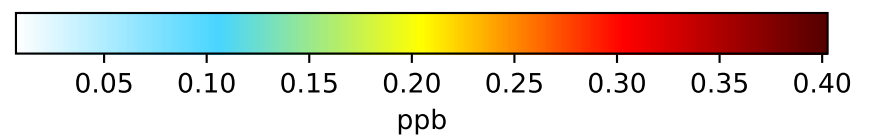
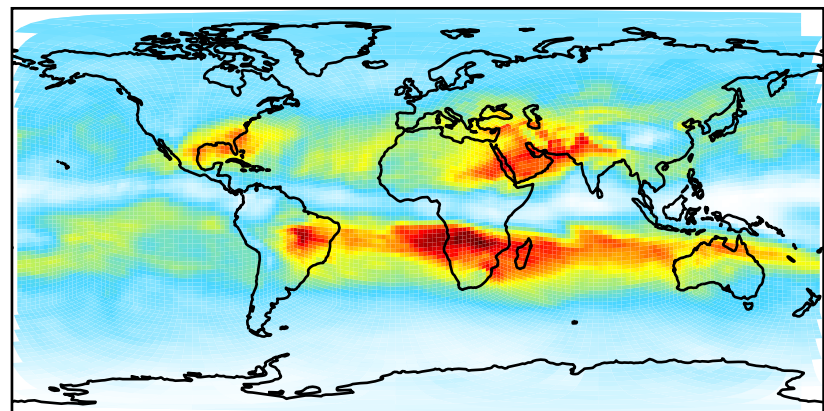


SpeciesConc_HNO3 (Oct2019)

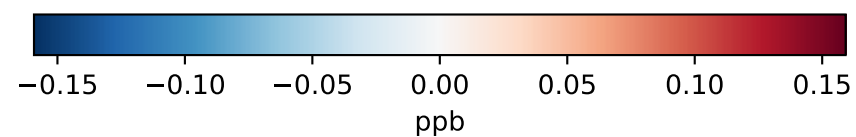
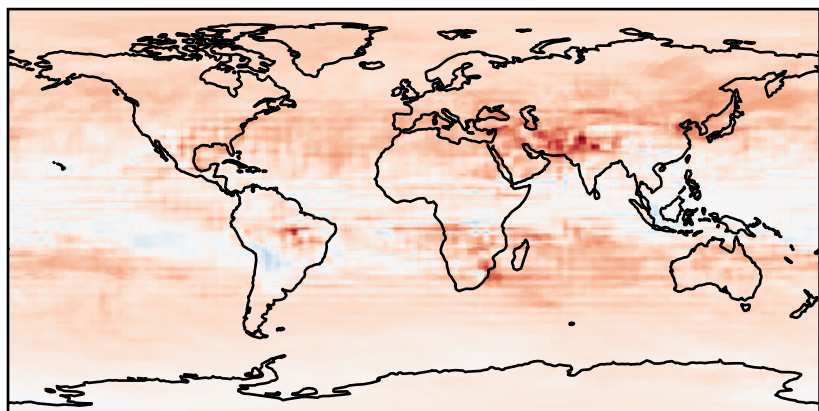
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



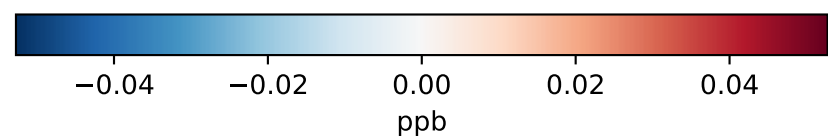
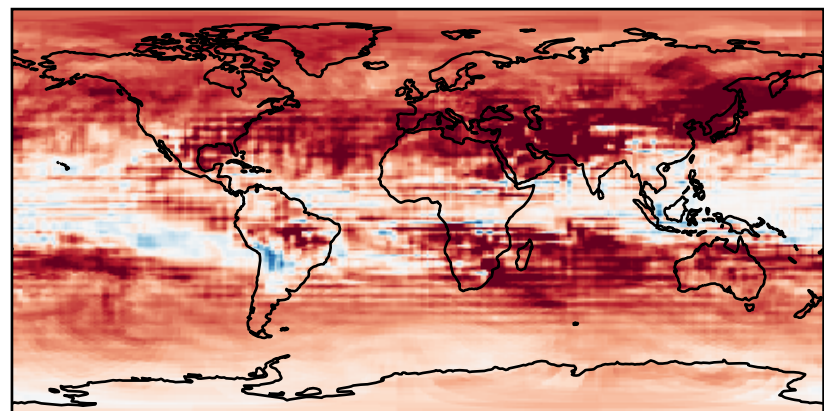
GCHP_13.0.0-beta.1 (Dev)
c48



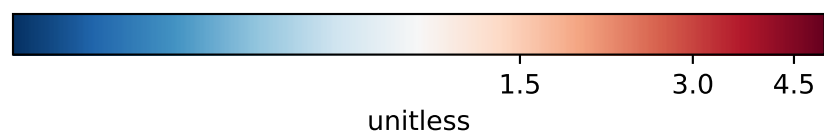
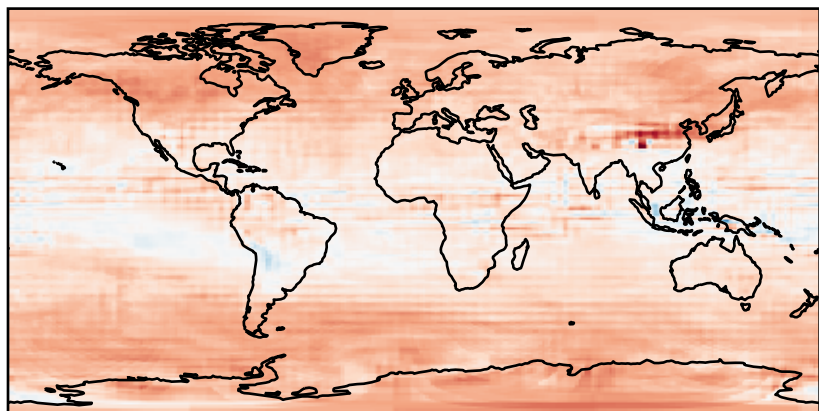
Difference (1x1.25)
Dev - Ref, Dynamic Range



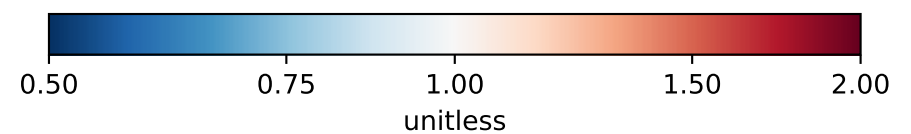
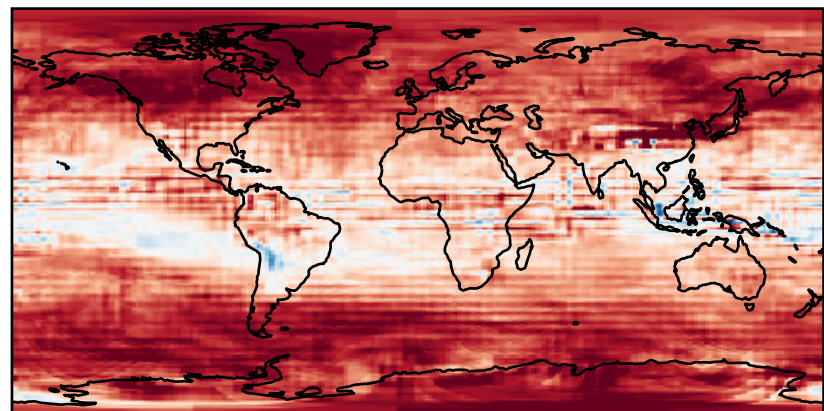
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

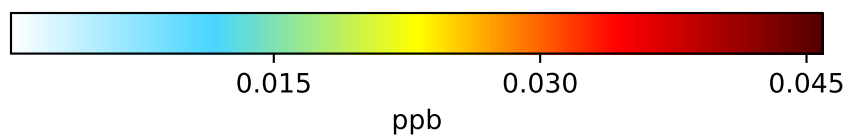
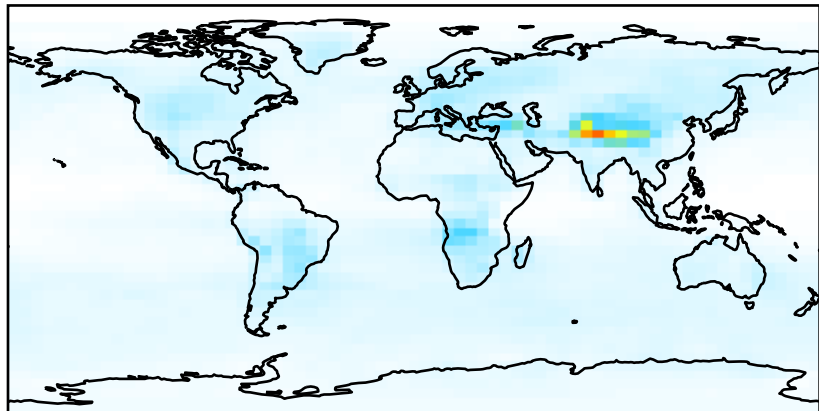


Ratio (1x1.25)
Dev/Ref, Fixed Range

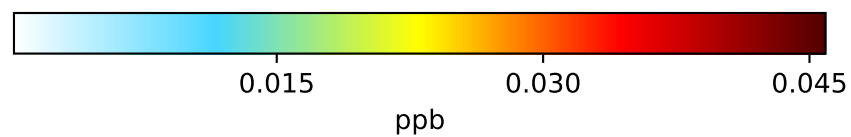
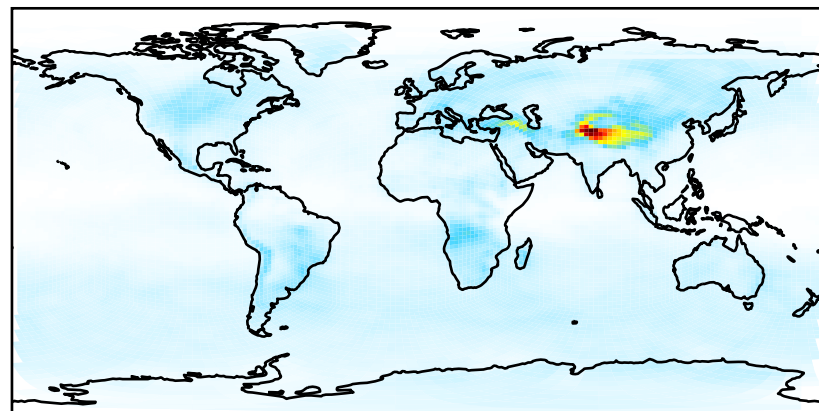


SpeciesConc_HNO4 (Oct2019)

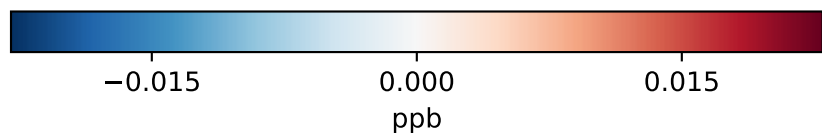
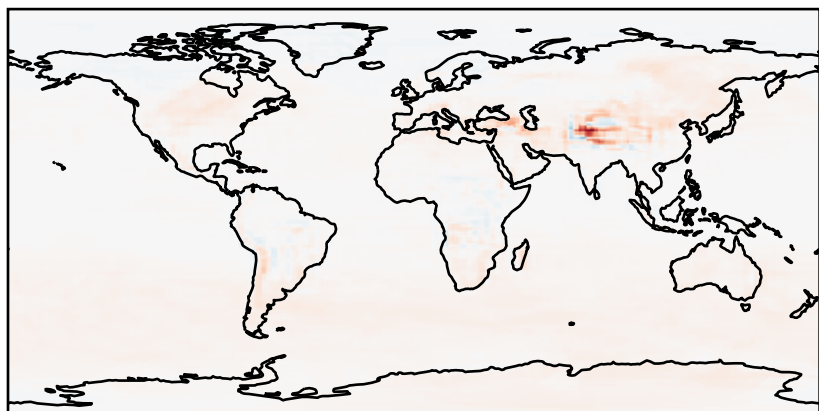
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



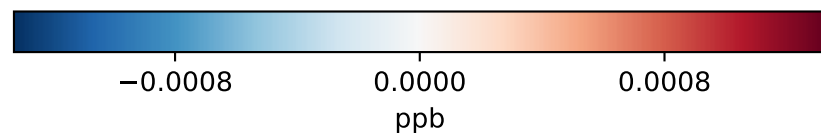
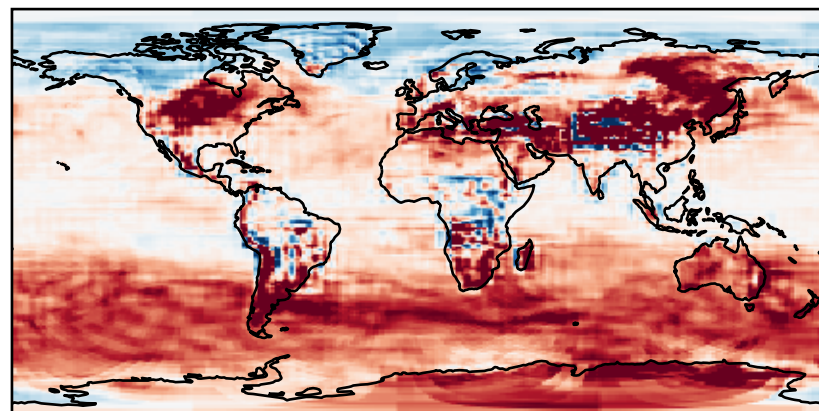
GCHP_13.0.0-beta.1 (Dev)
c48



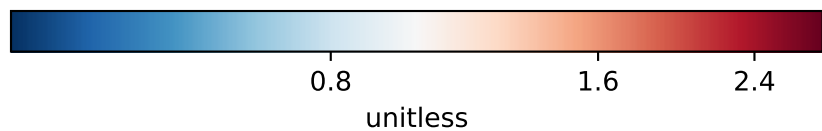
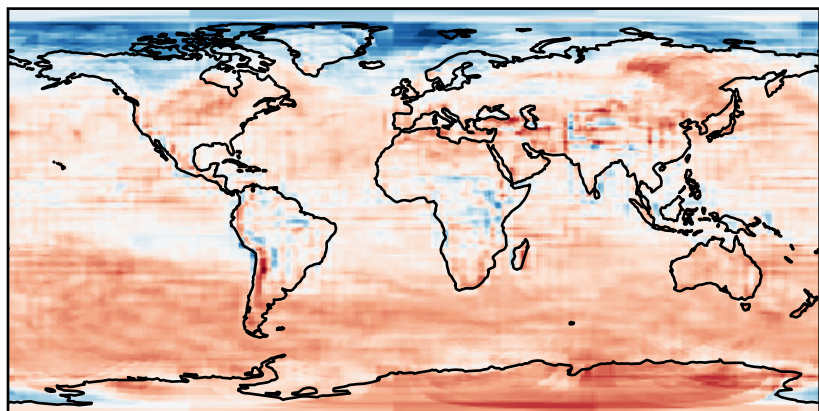
Difference (1x1.25)
Dev - Ref, Dynamic Range



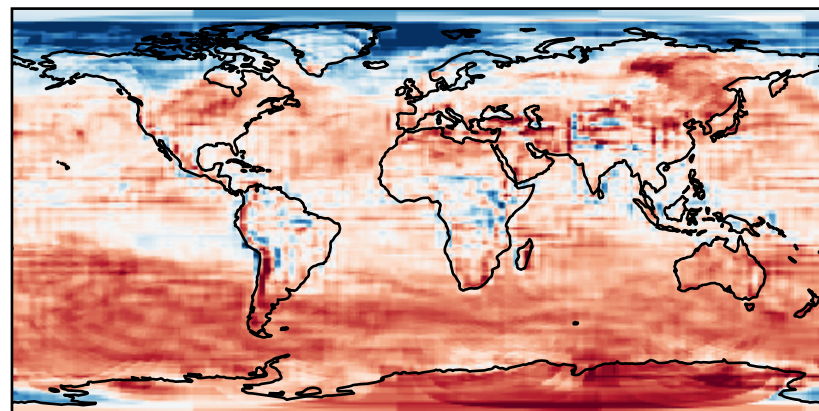
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

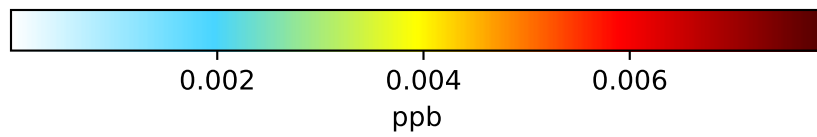
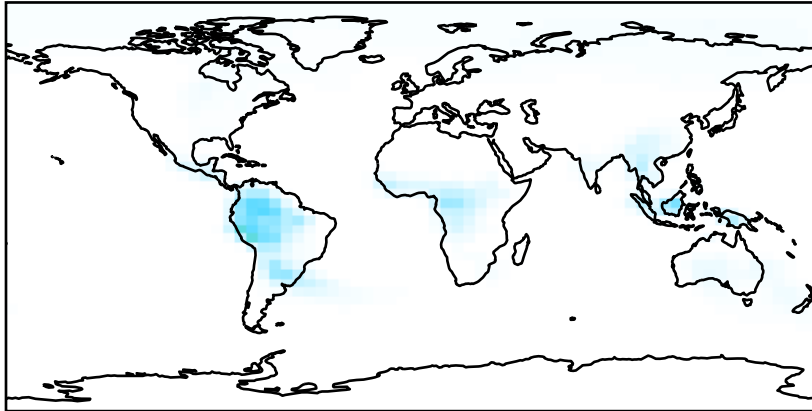


Ratio (1x1.25)
Dev/Ref, Fixed Range

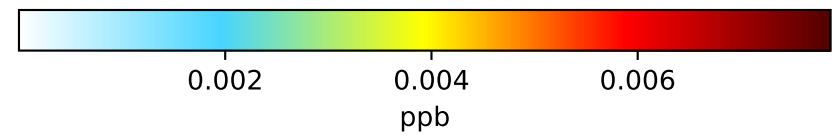
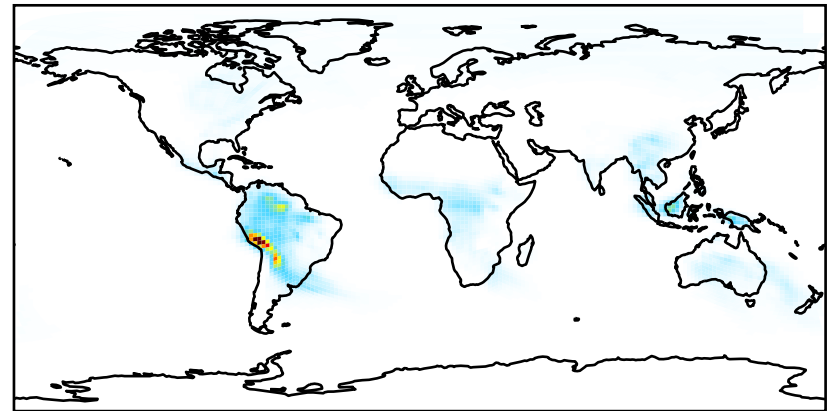


SpeciesConc_MPAN (Oct2019)

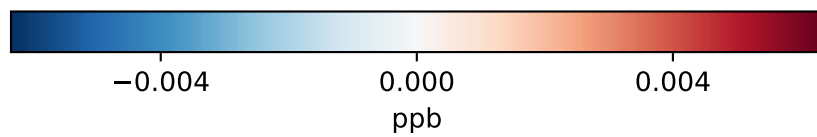
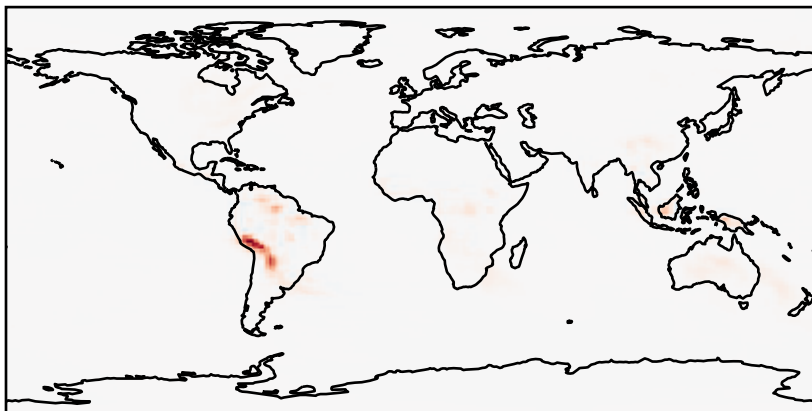
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



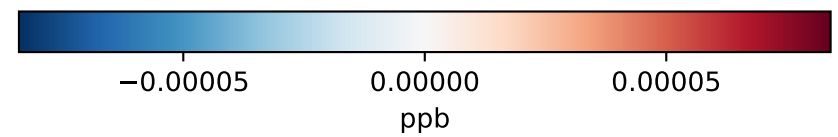
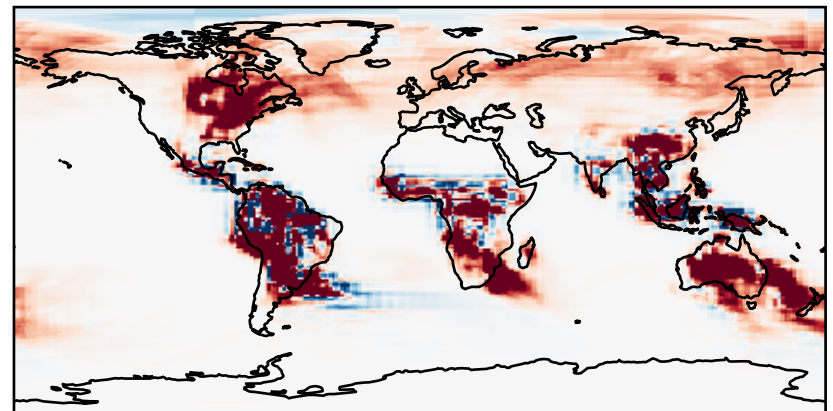
GCHP_13.0.0-beta.1 (Dev)
c48



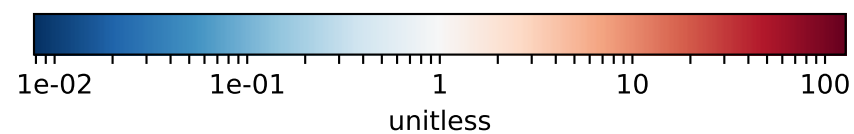
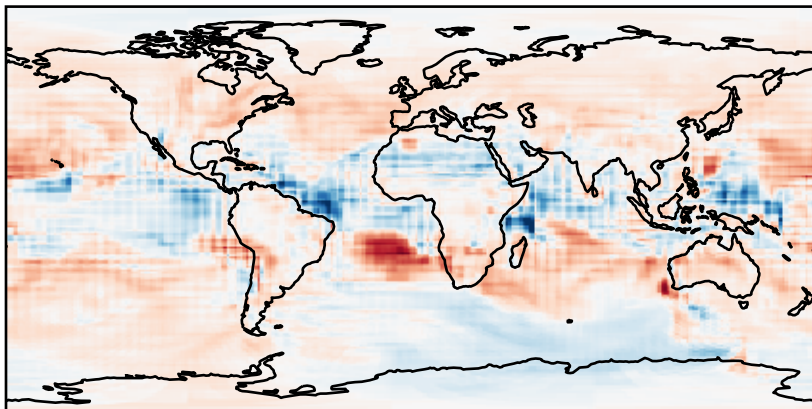
Difference (1x1.25)
Dev - Ref, Dynamic Range



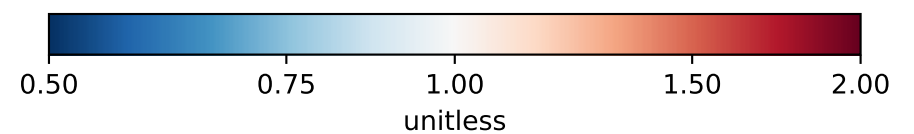
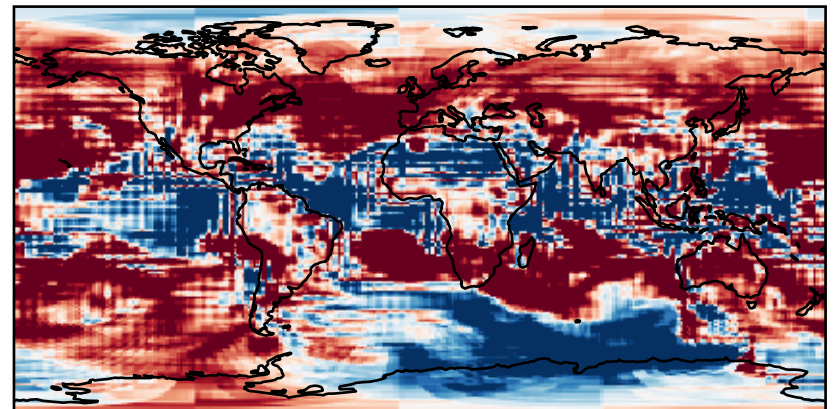
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

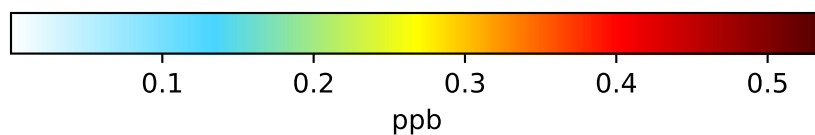
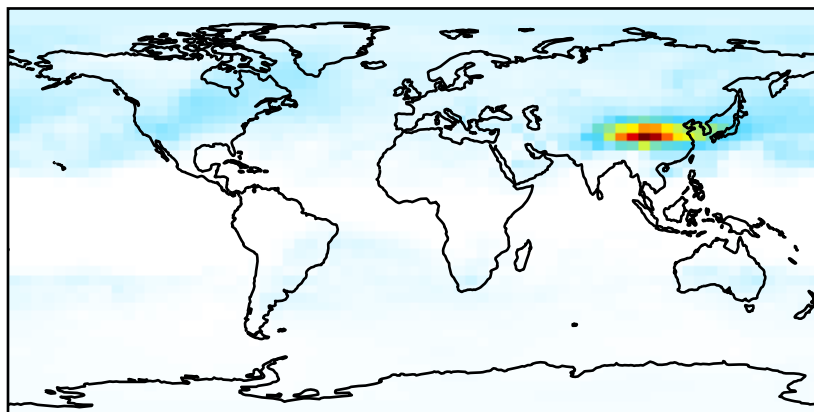


Ratio (1x1.25)
Dev/Ref, Fixed Range

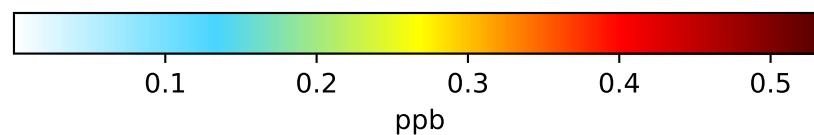
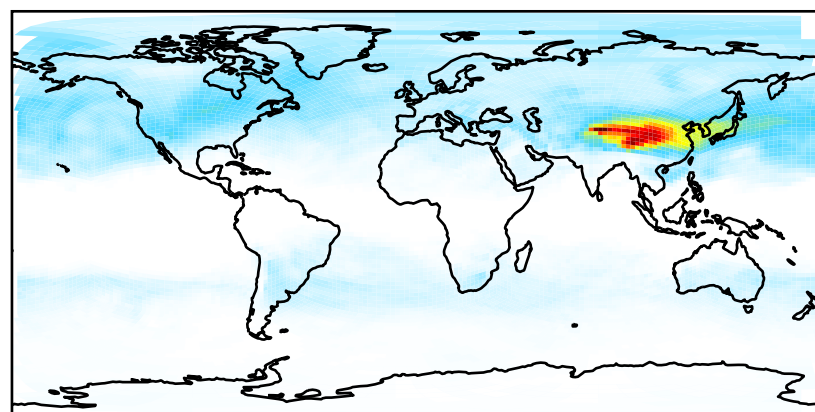


SpeciesConc_NIT (Oct2019)

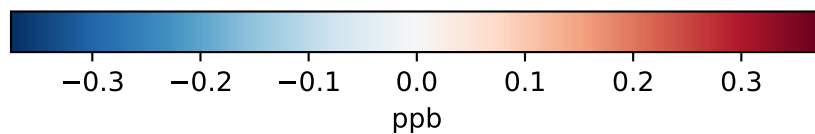
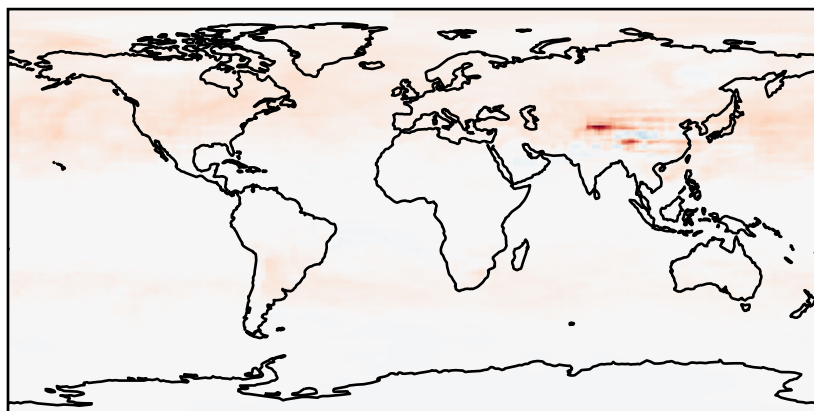
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



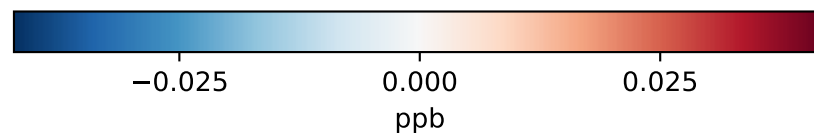
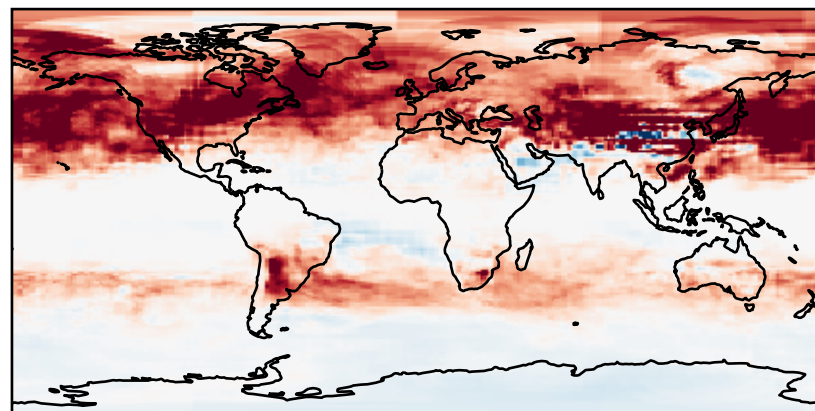
GCHP_13.0.0-beta.1 (Dev)
c48



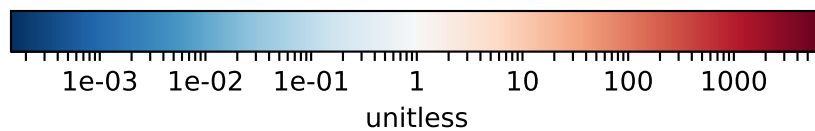
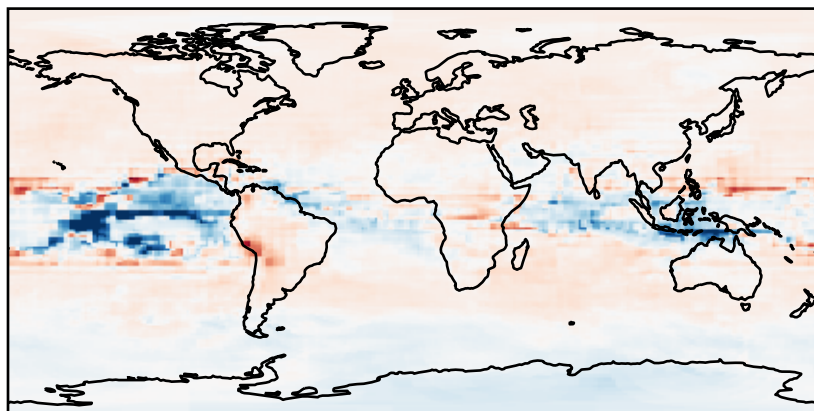
Difference (1x1.25)
Dev - Ref, Dynamic Range



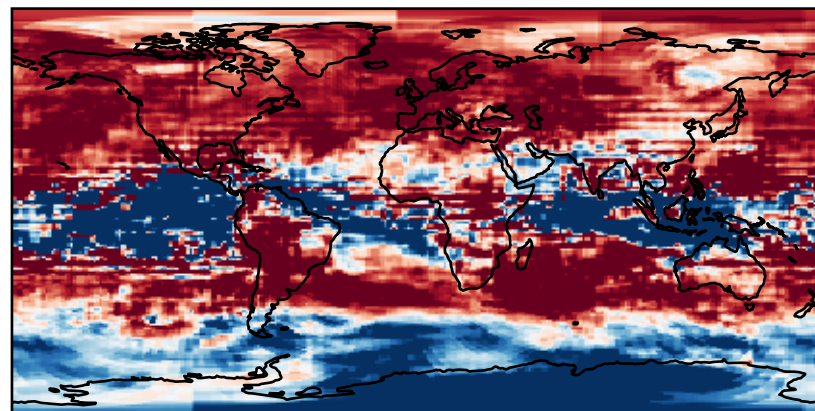
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

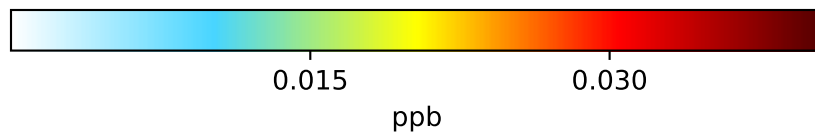
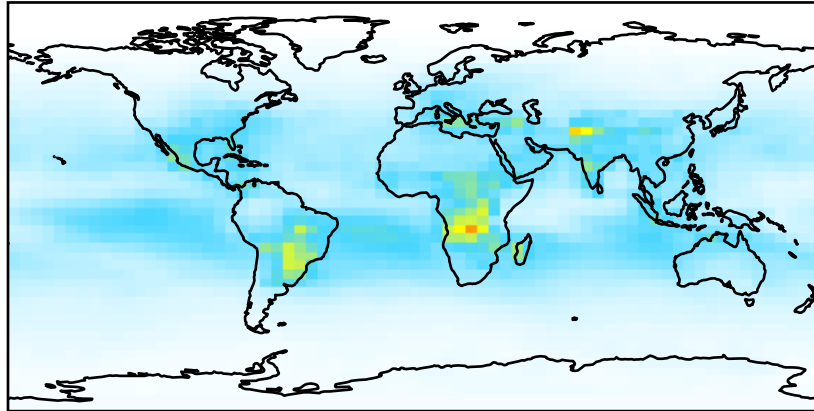


Ratio (1x1.25)
Dev/Ref, Fixed Range

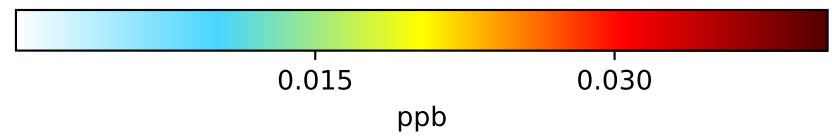
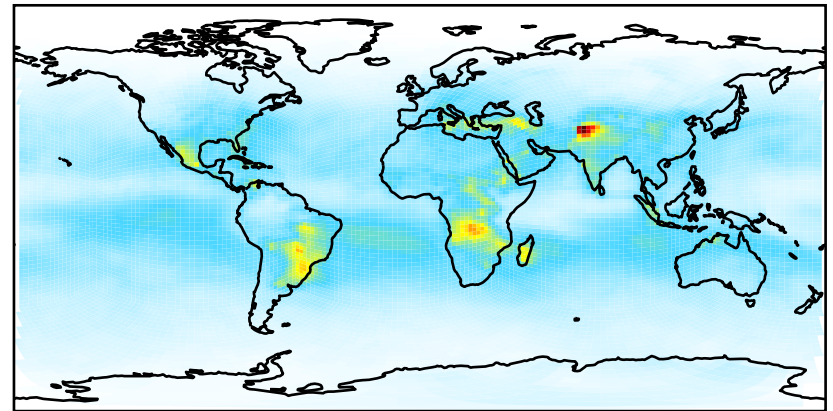


SpeciesConc_NO (Oct2019)

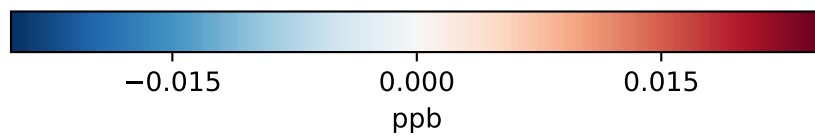
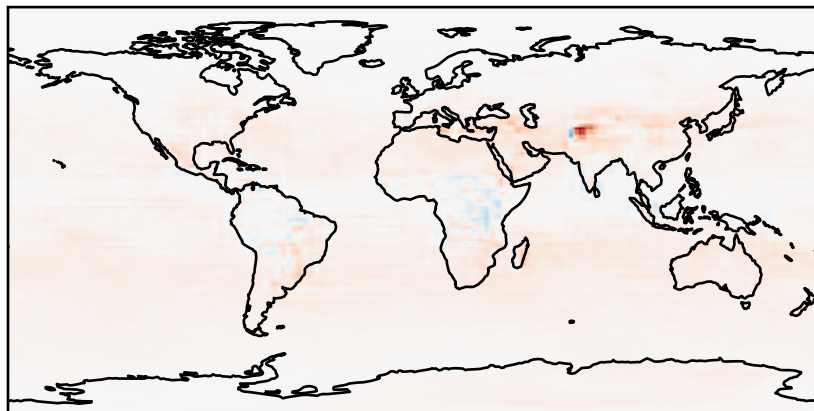
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



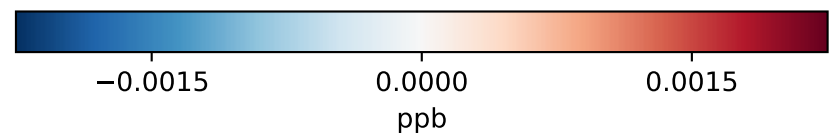
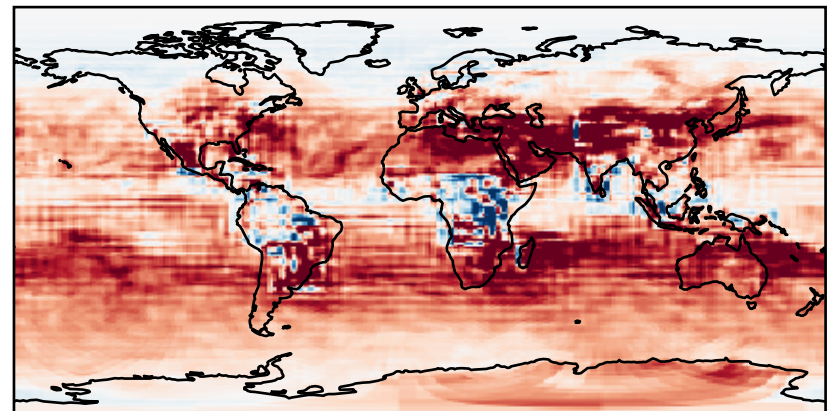
GCHP_13.0.0-beta.1 (Dev)
c48



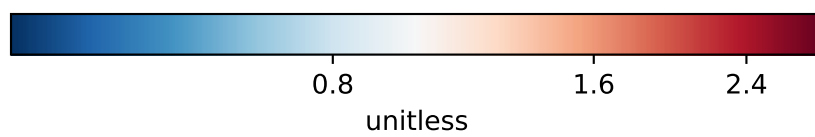
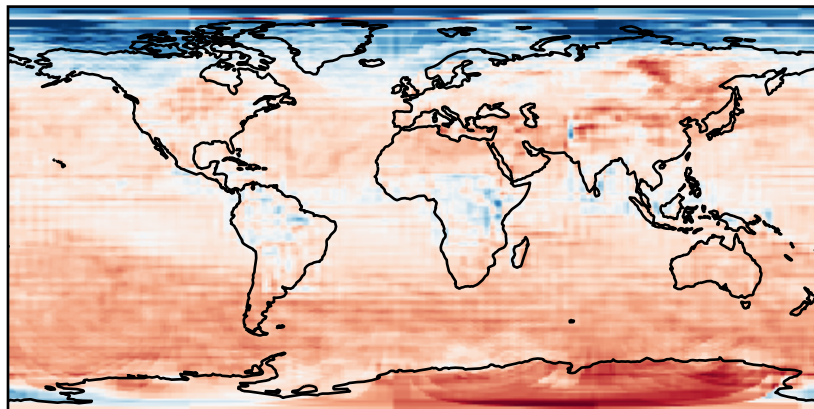
Difference (1x1.25)
Dev - Ref, Dynamic Range



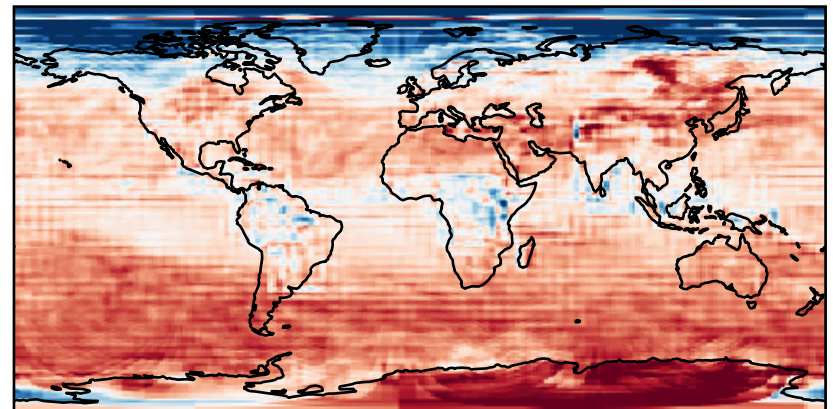
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

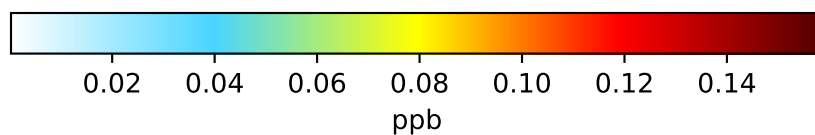
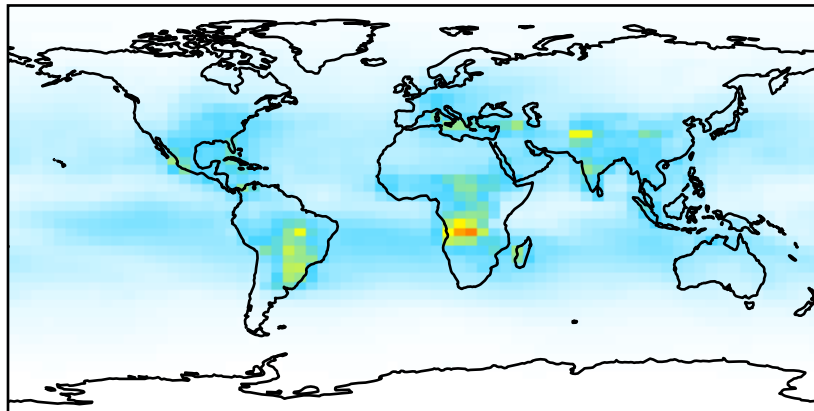


Ratio (1x1.25)
Dev/Ref, Fixed Range

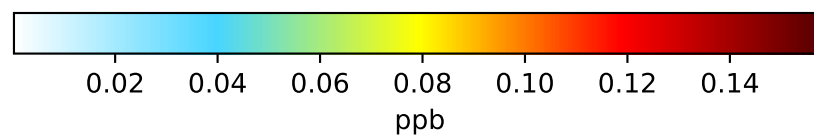
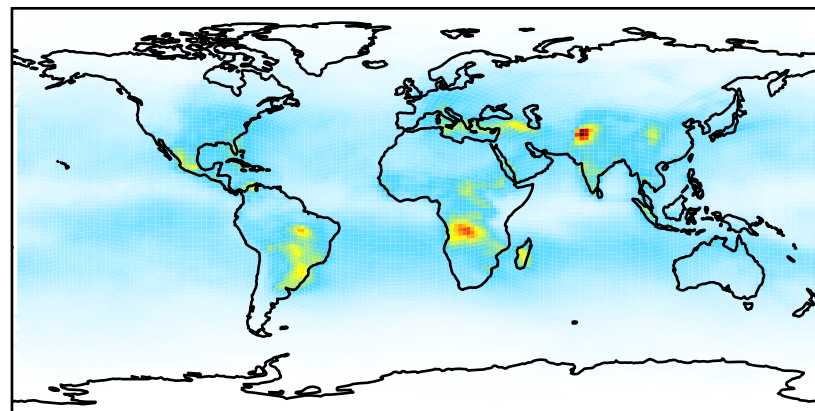


SpeciesConc_NO2 (Oct2019)

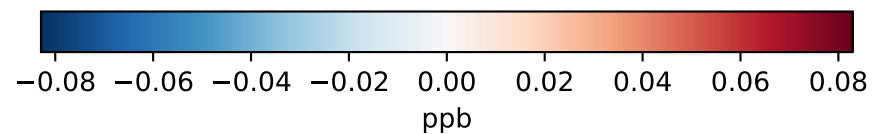
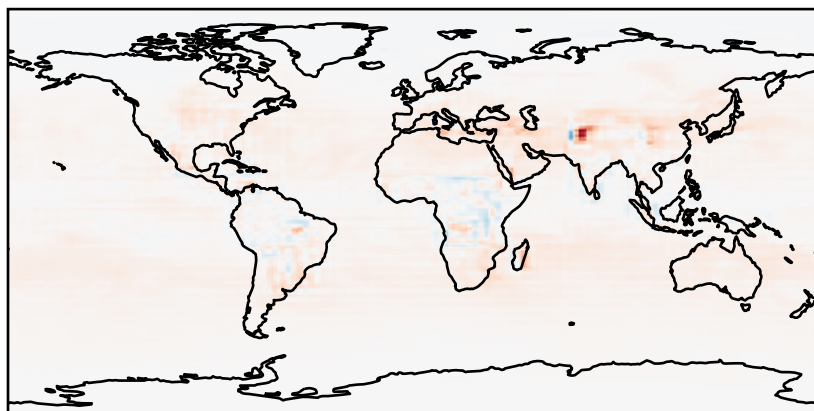
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



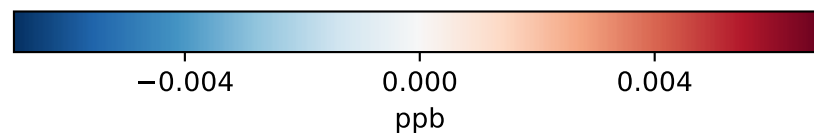
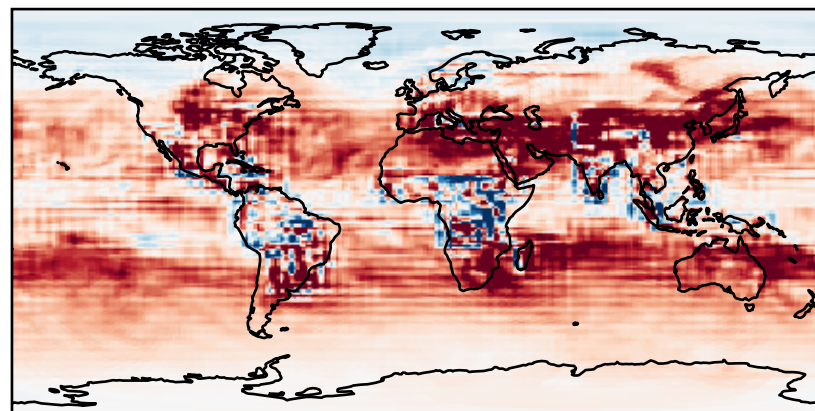
GCHP_13.0.0-beta.1 (Dev)
c48



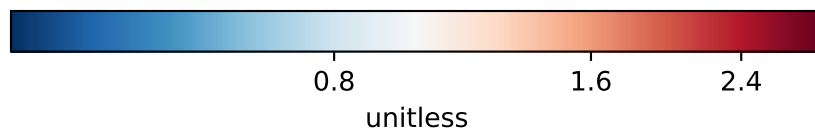
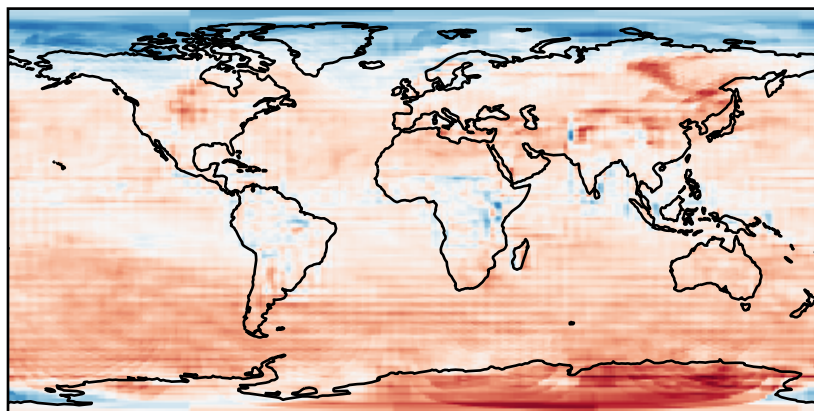
Difference (1x1.25)
Dev - Ref, Dynamic Range



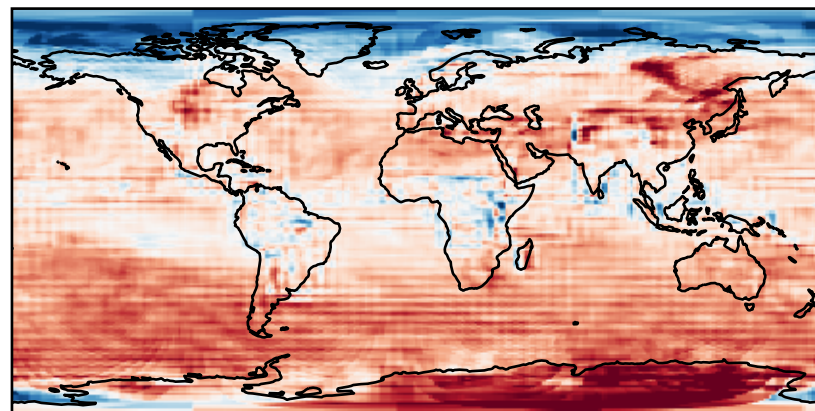
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

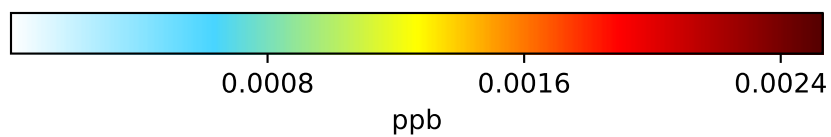
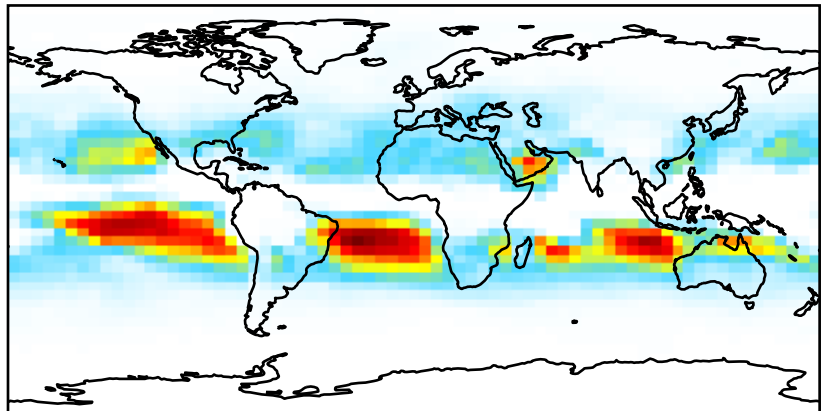


Ratio (1x1.25)
Dev/Ref, Fixed Range

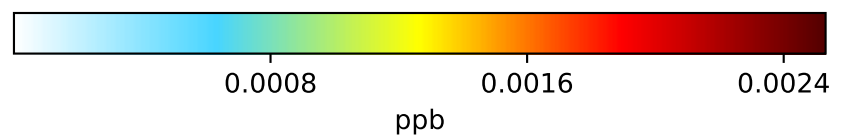
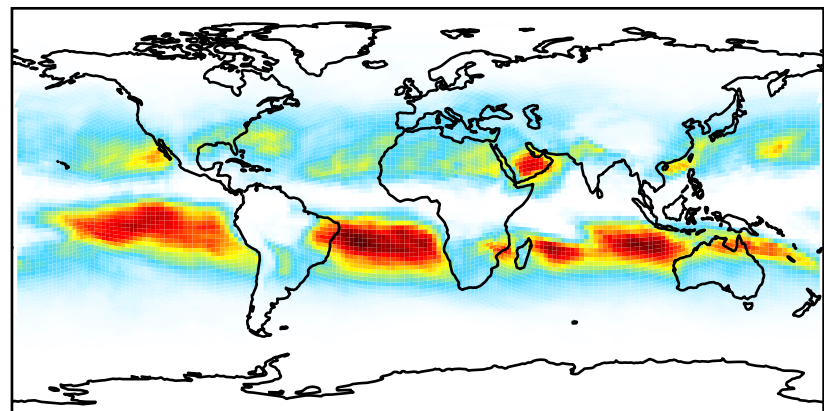


SpeciesConc_NO3 (Oct2019)

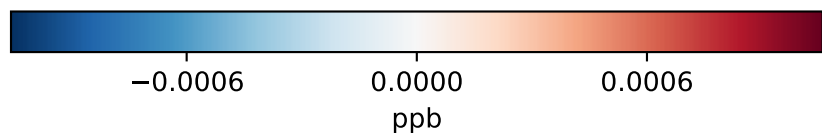
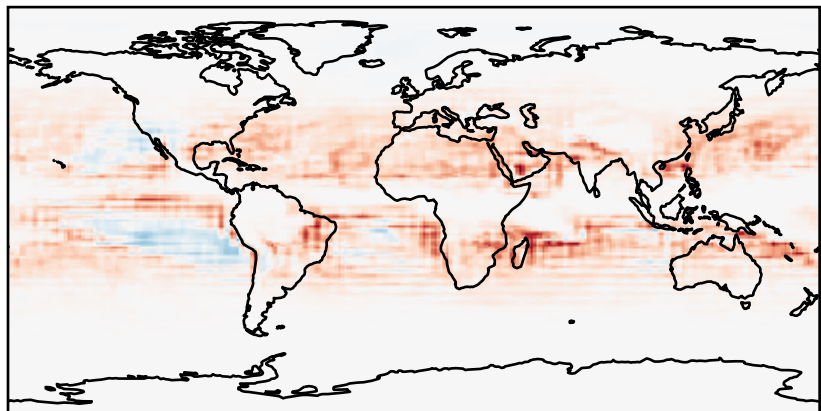
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



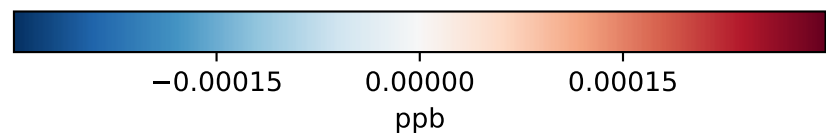
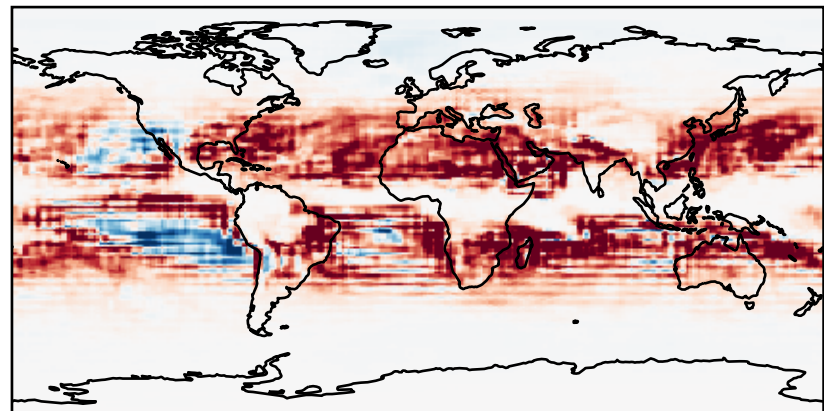
GCHP_13.0.0-beta.1 (Dev)
c48



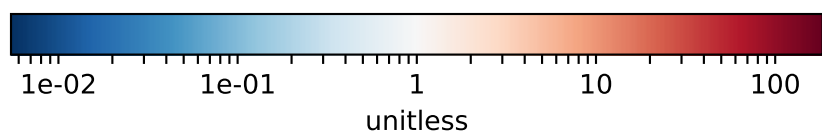
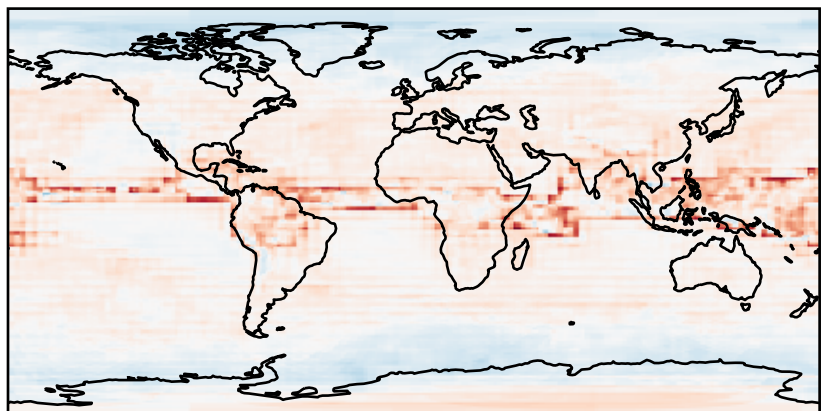
Difference (1x1.25)
Dev - Ref, Dynamic Range



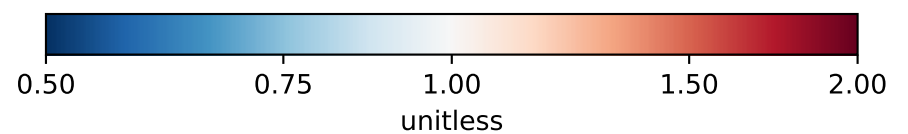
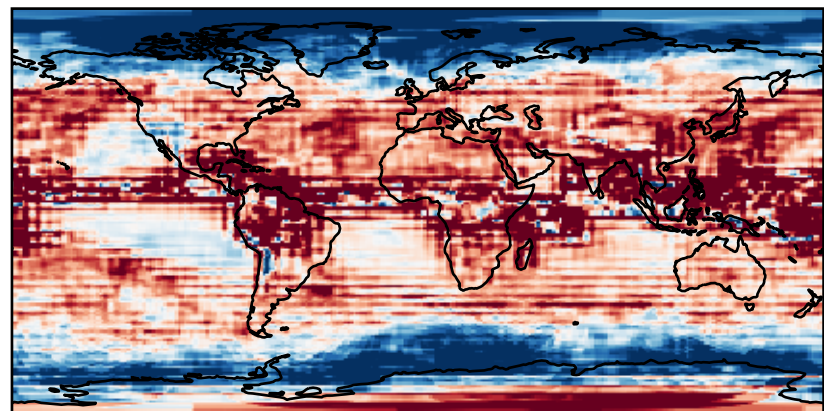
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

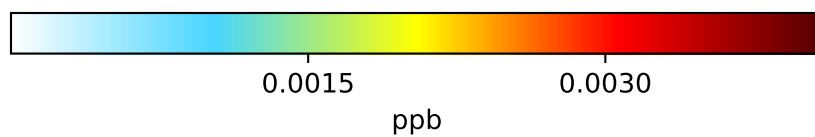
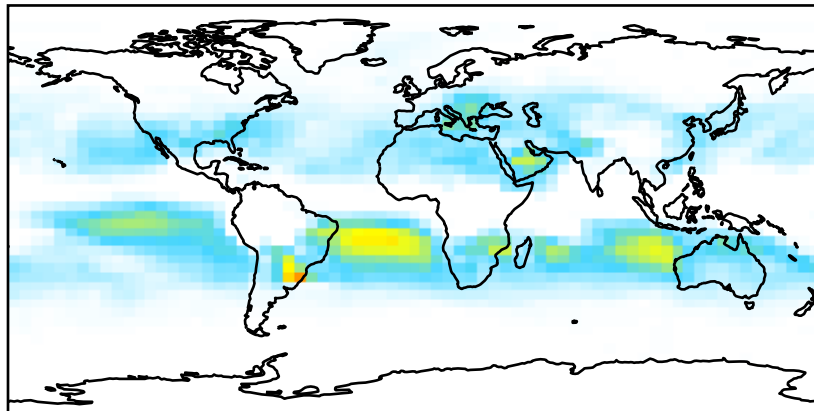


Ratio (1x1.25)
Dev/Ref, Fixed Range

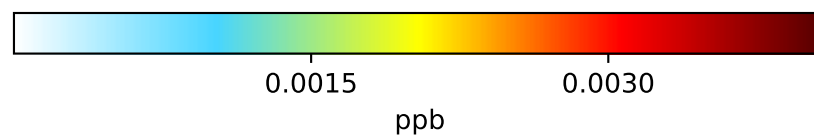
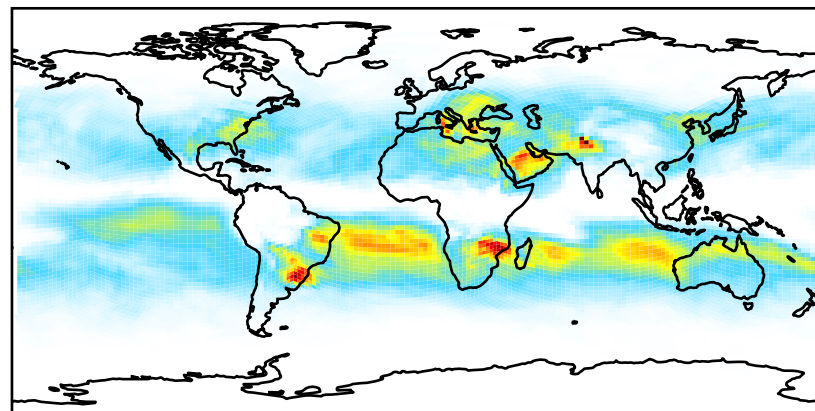


SpeciesConc_N2O5 (Oct2019)

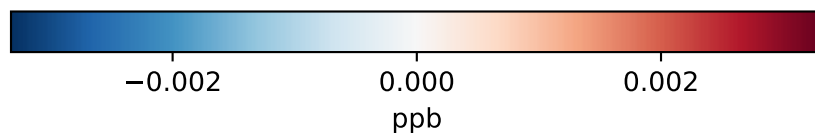
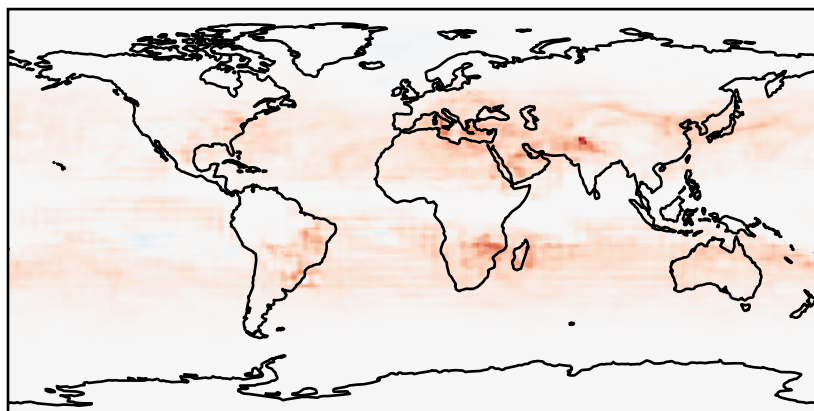
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



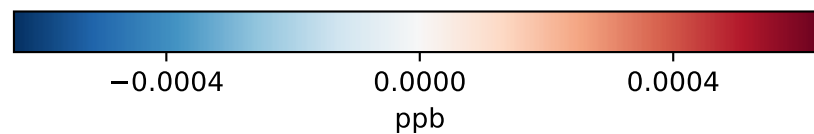
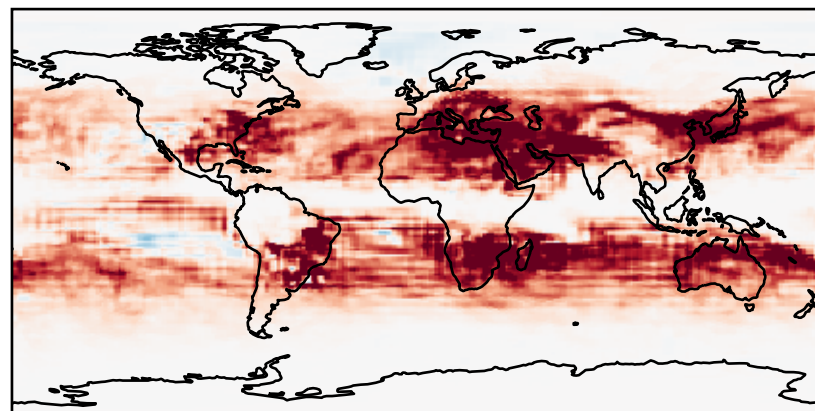
GCHP_13.0.0-beta.1 (Dev)
c48



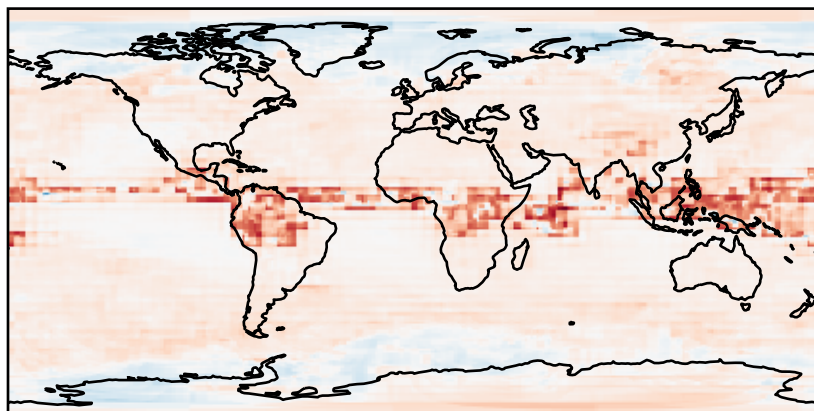
Difference (1x1.25)
Dev - Ref, Dynamic Range



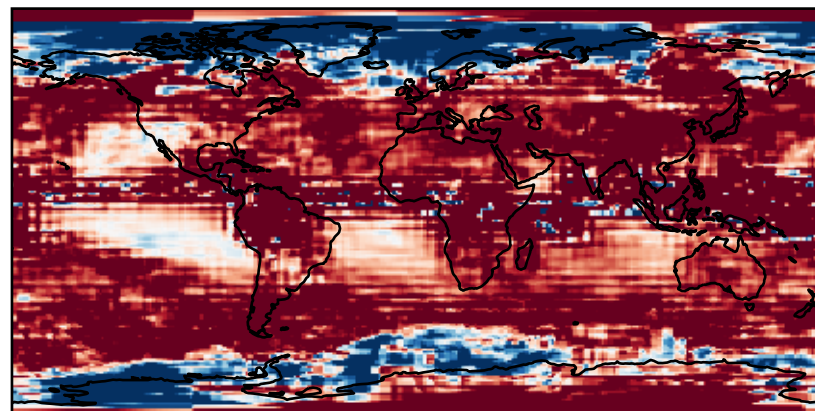
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

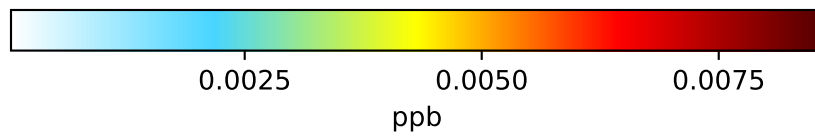
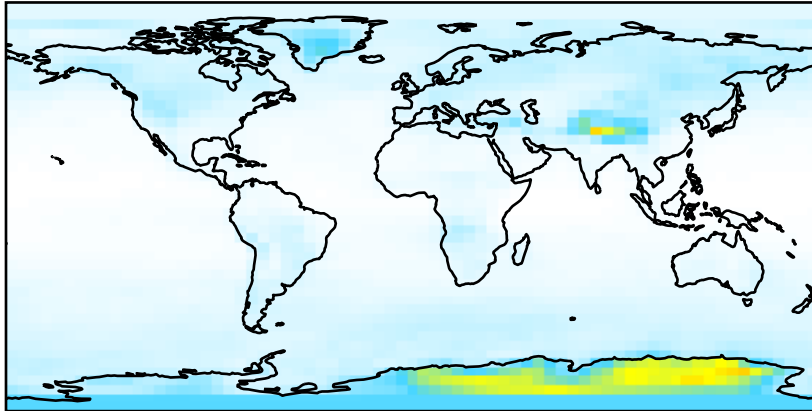


Ratio (1x1.25)
Dev/Ref, Fixed Range

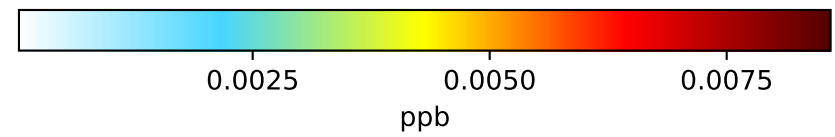
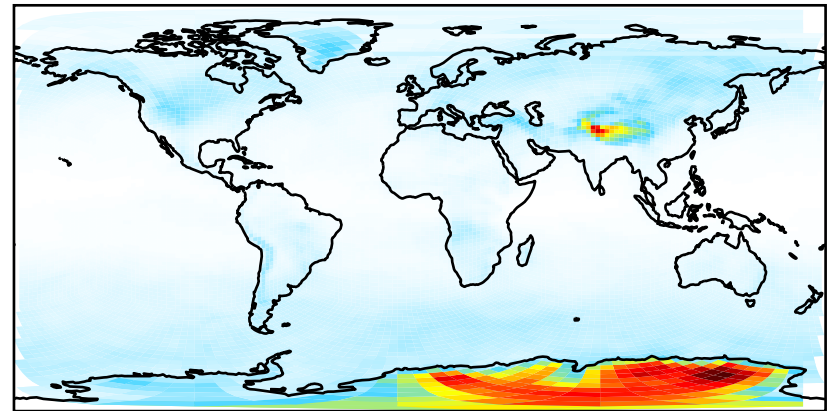


SpeciesConc_MPN (Oct2019)

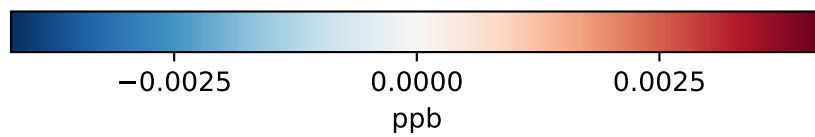
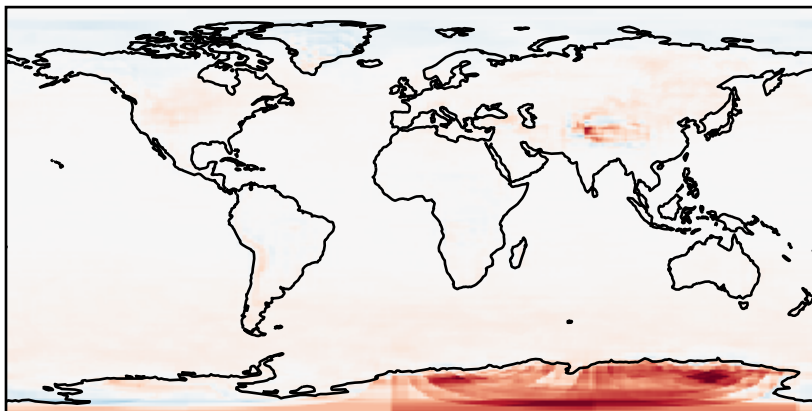
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



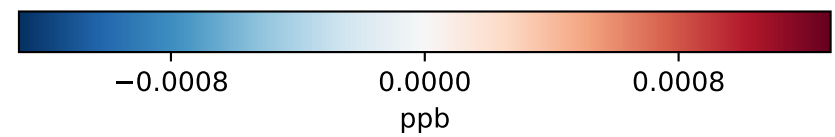
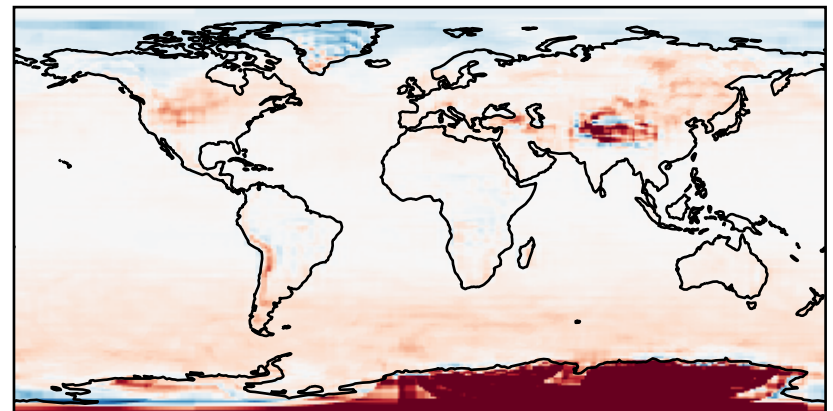
GCHP_13.0.0-beta.1 (Dev)
c48



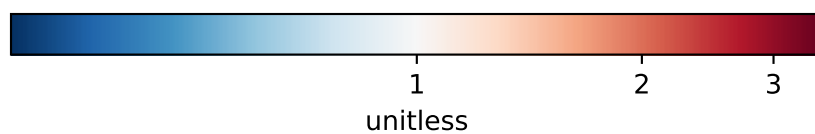
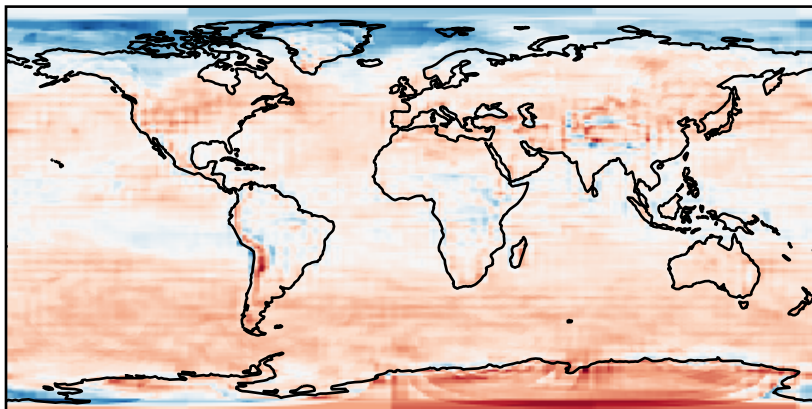
Difference (1x1.25)
Dev - Ref, Dynamic Range



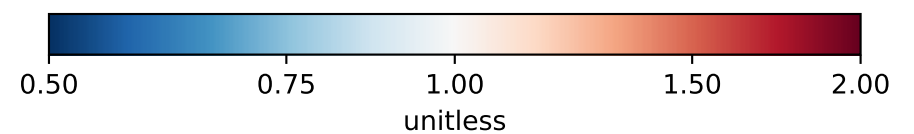
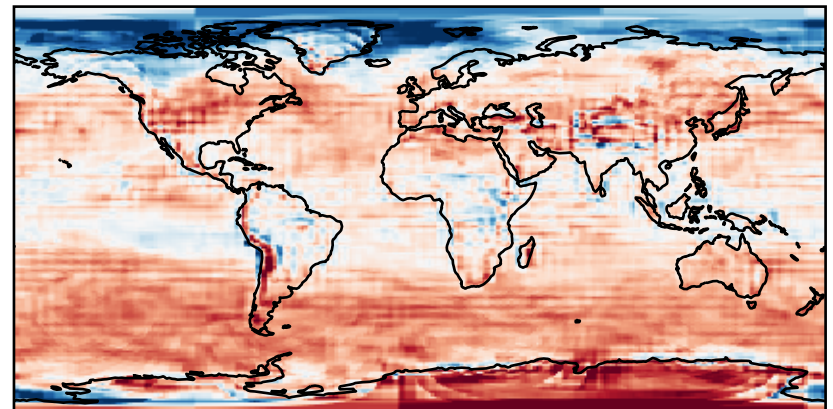
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

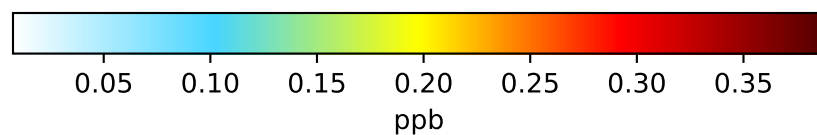
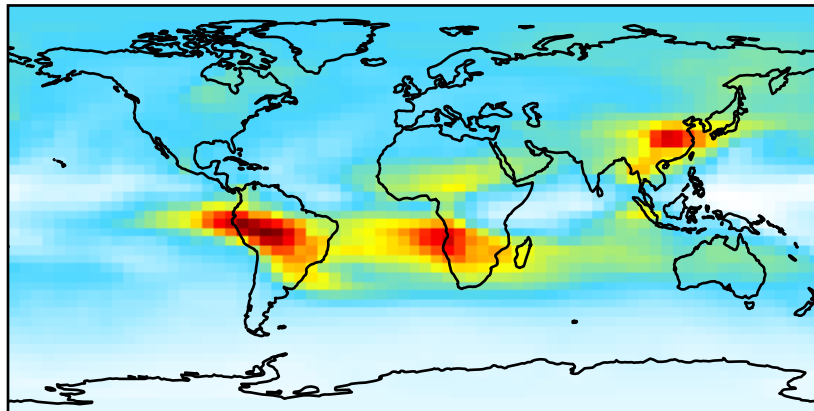


Ratio (1x1.25)
Dev/Ref, Fixed Range

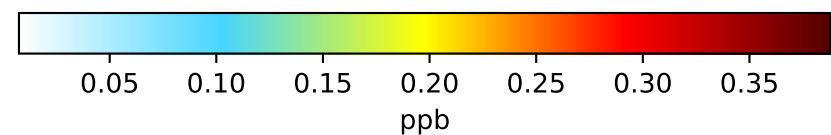
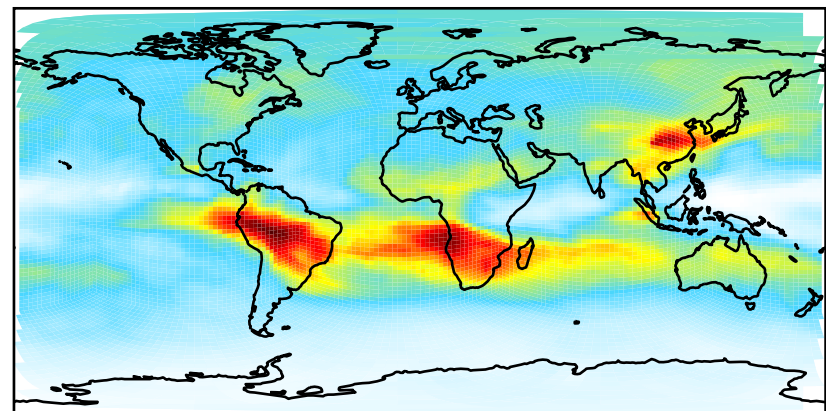


SpeciesConc_PAN (Oct2019)

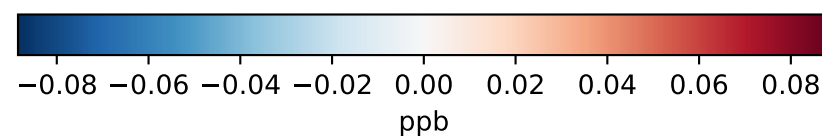
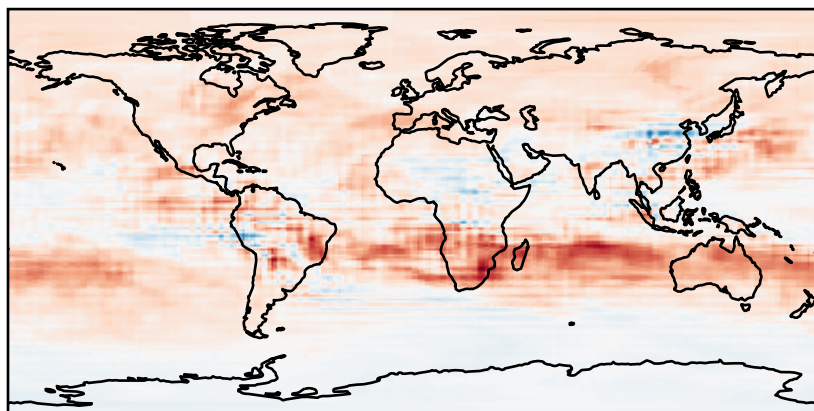
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



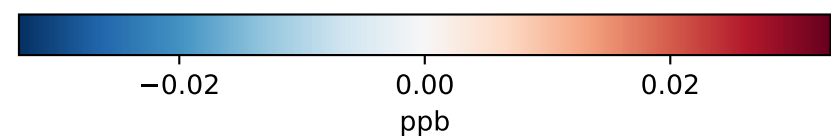
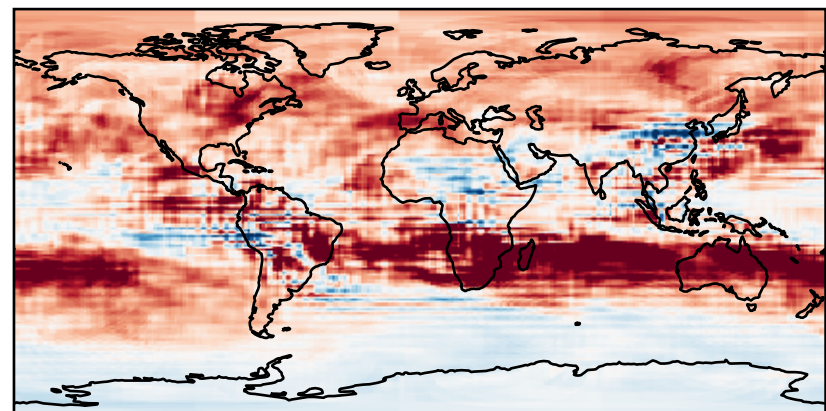
GCHP_13.0.0-beta.1 (Dev)
c48



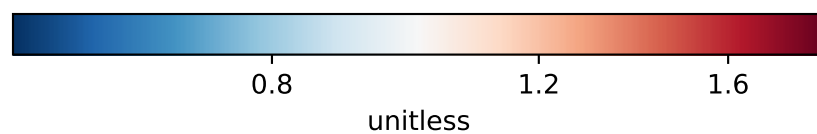
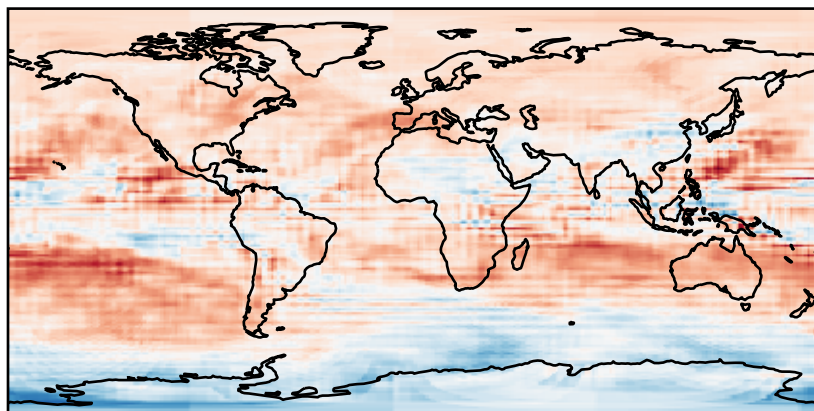
Difference (1x1.25)
Dev - Ref, Dynamic Range



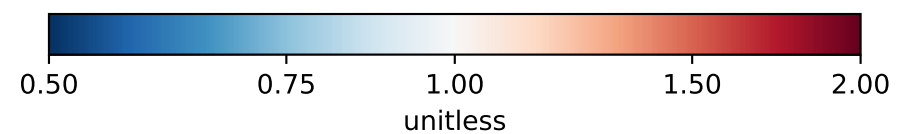
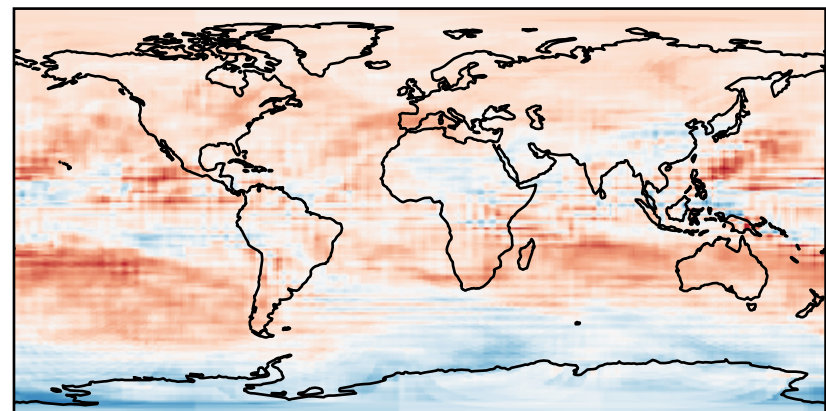
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

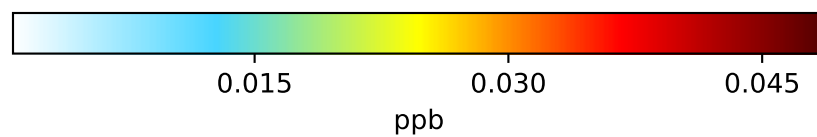
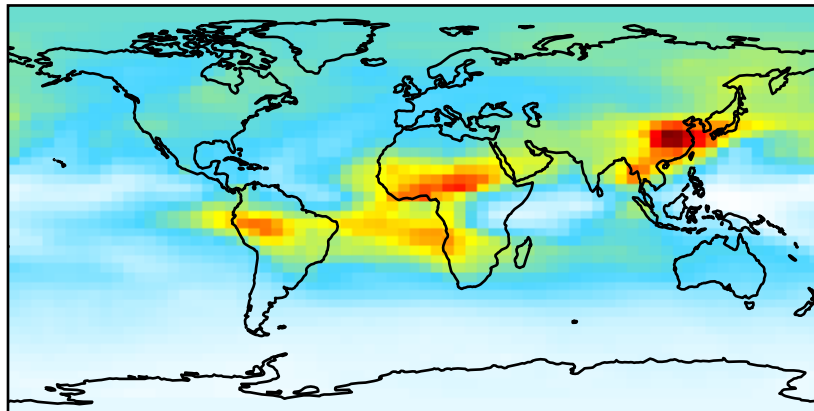


Ratio (1x1.25)
Dev/Ref, Fixed Range

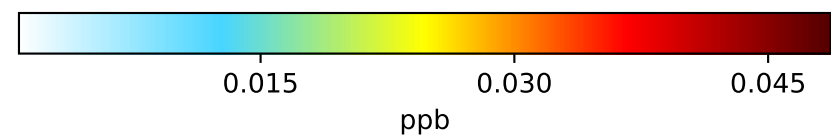
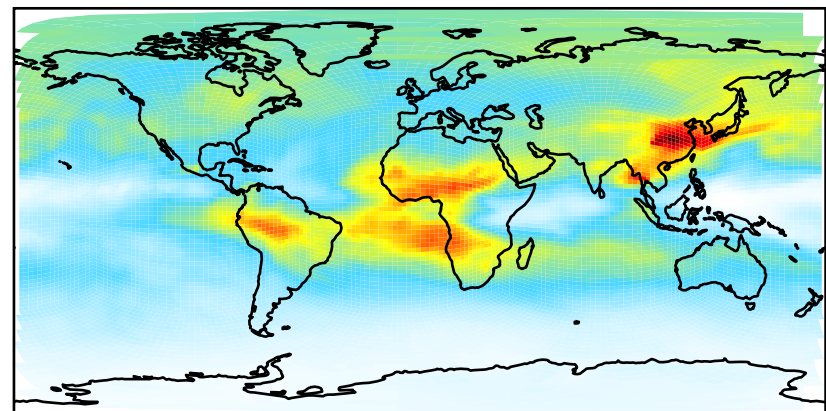


SpeciesConc_PPN (Oct2019)

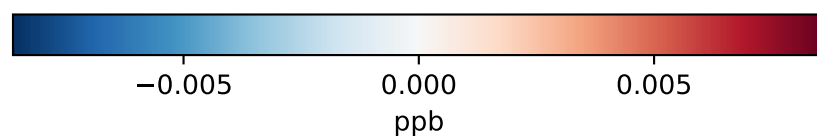
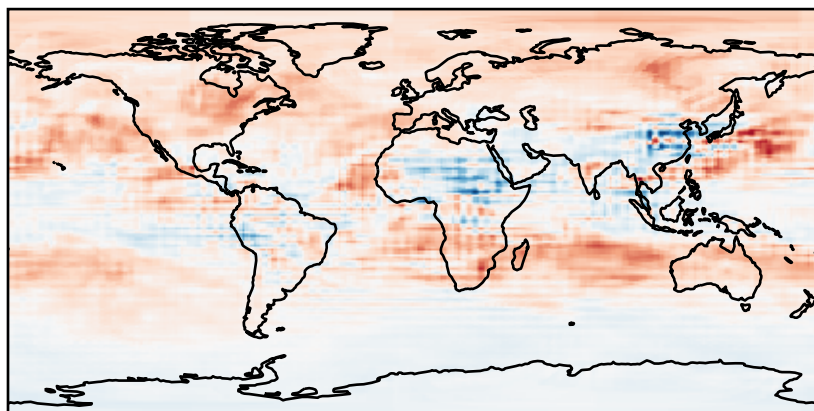
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



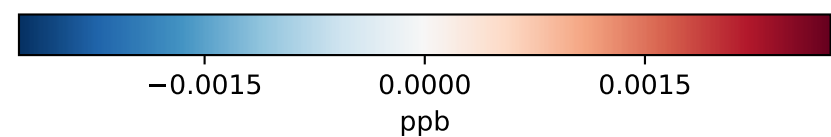
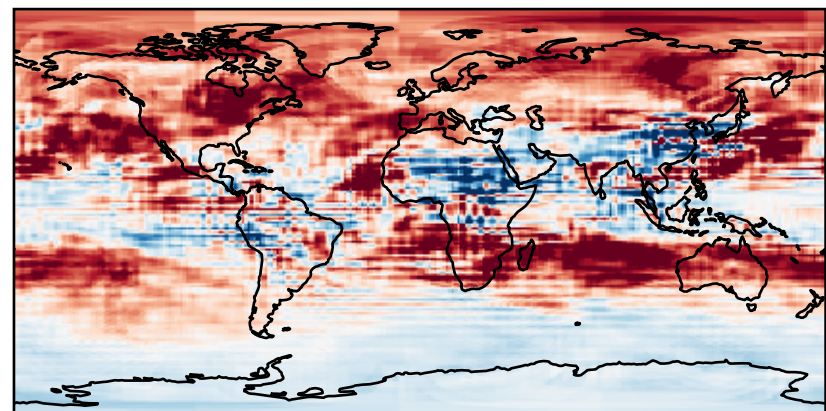
GCHP_13.0.0-beta.1 (Dev)
c48



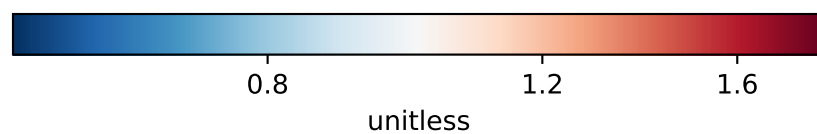
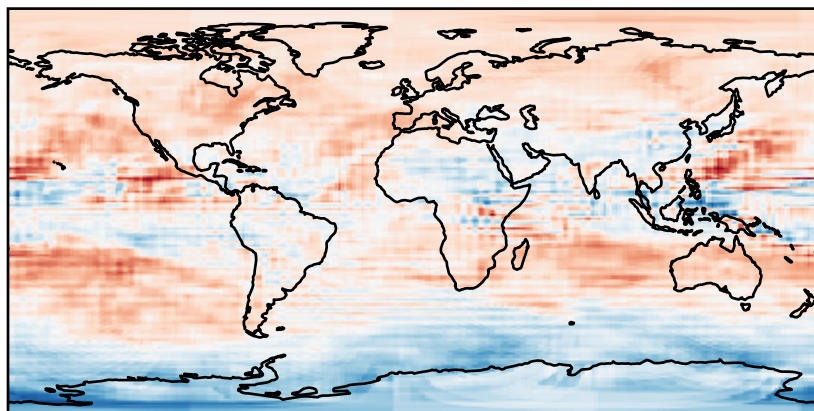
Difference (1x1.25)
Dev - Ref, Dynamic Range



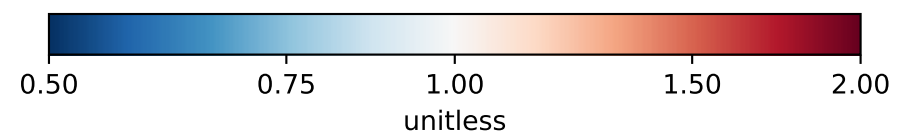
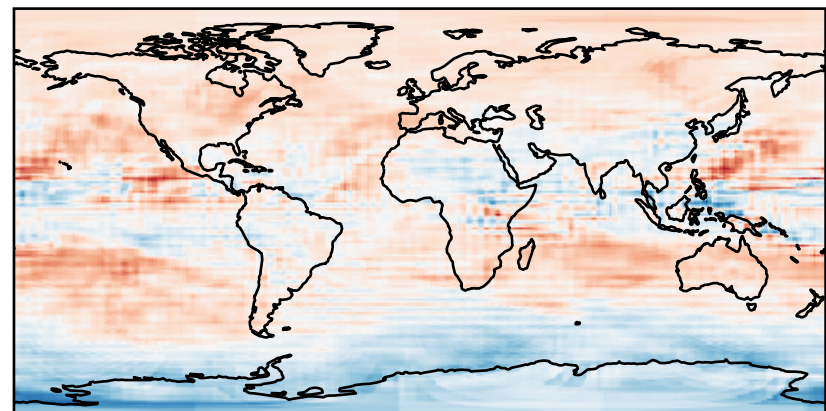
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

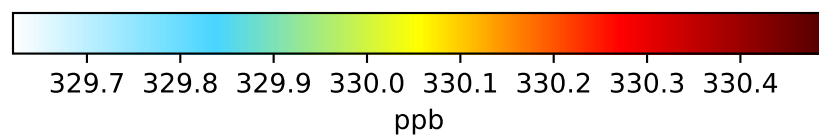
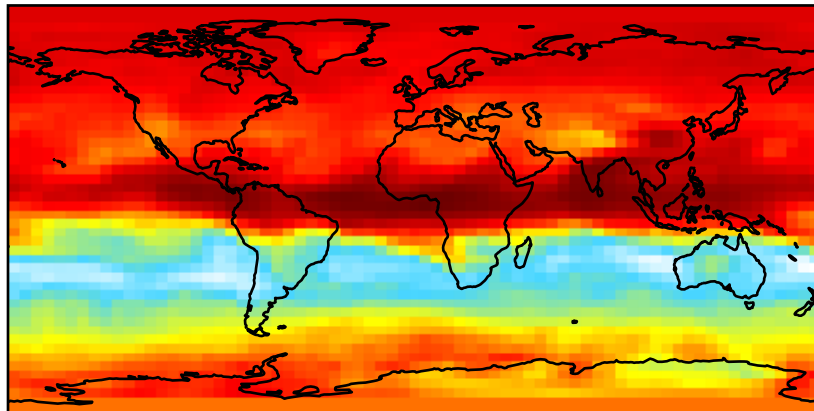


Ratio (1x1.25)
Dev/Ref, Fixed Range

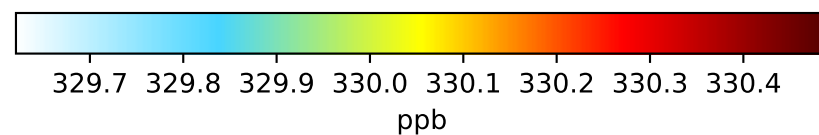
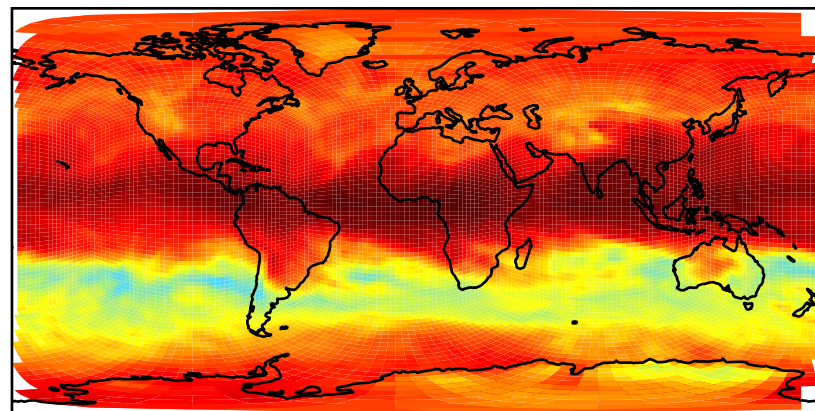


SpeciesConc_N2O (Oct2019)

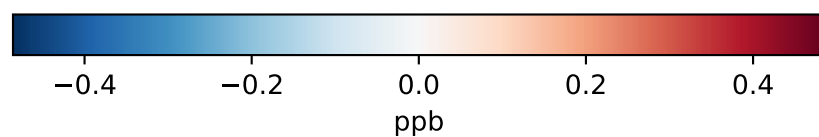
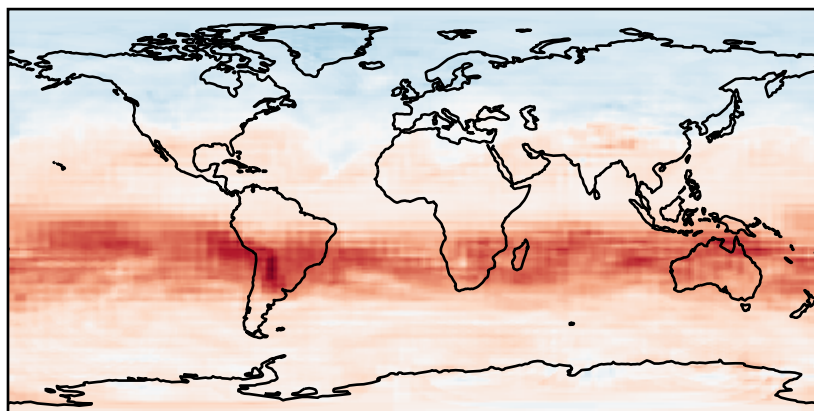
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



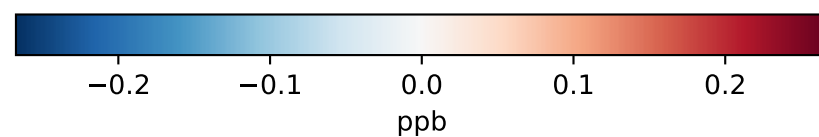
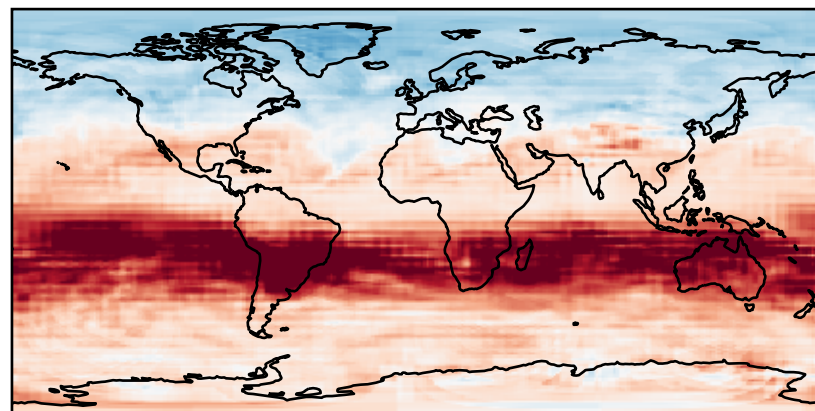
GCHP_13.0.0-beta.1 (Dev)
c48



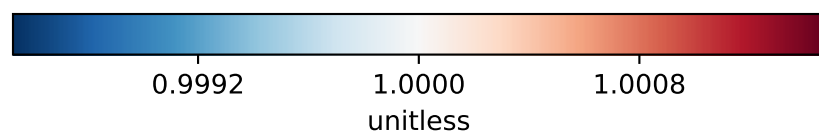
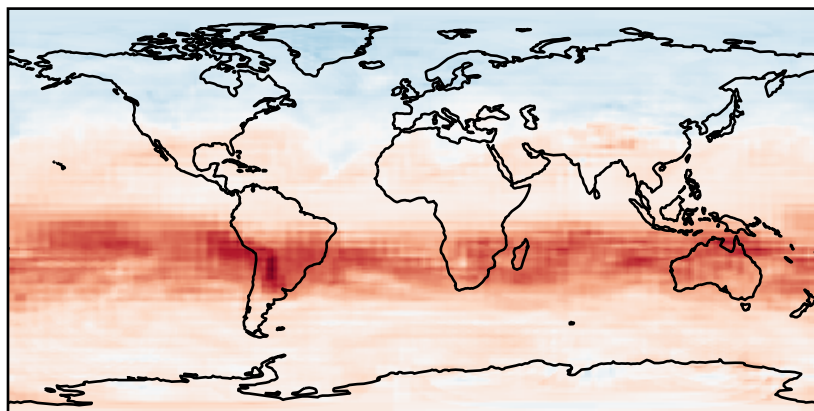
Difference (1x1.25)
Dev - Ref, Dynamic Range



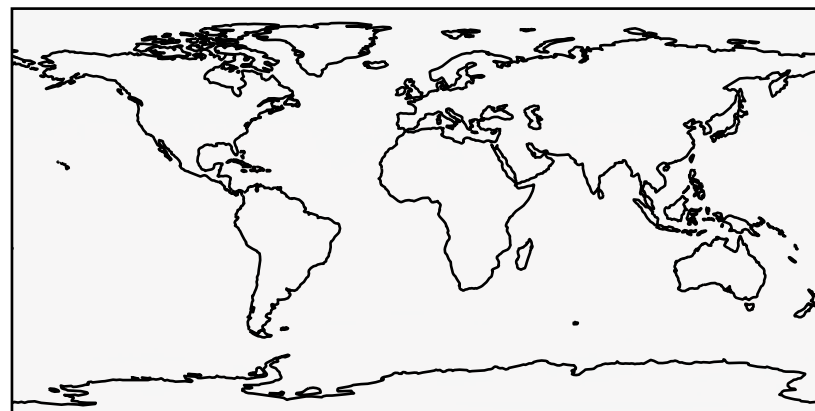
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

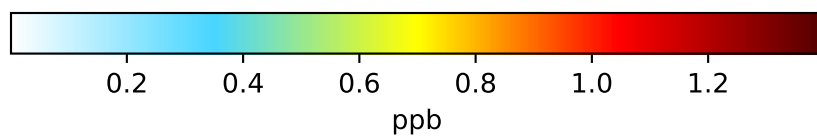
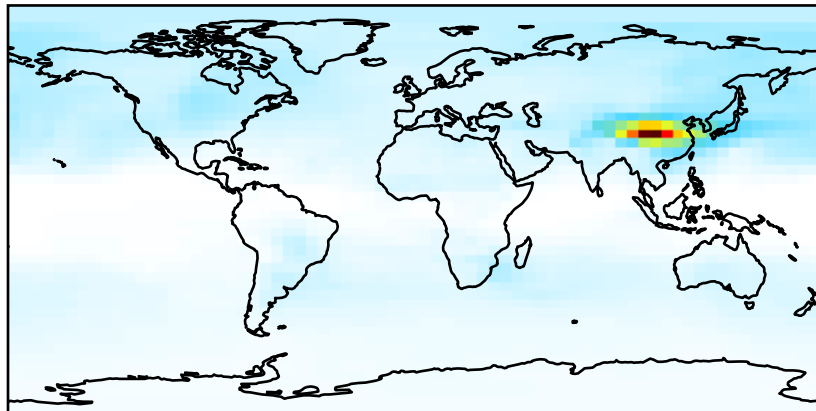


Ratio (1x1.25)
Dev/Ref, Fixed Range

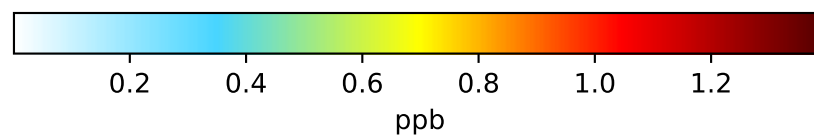
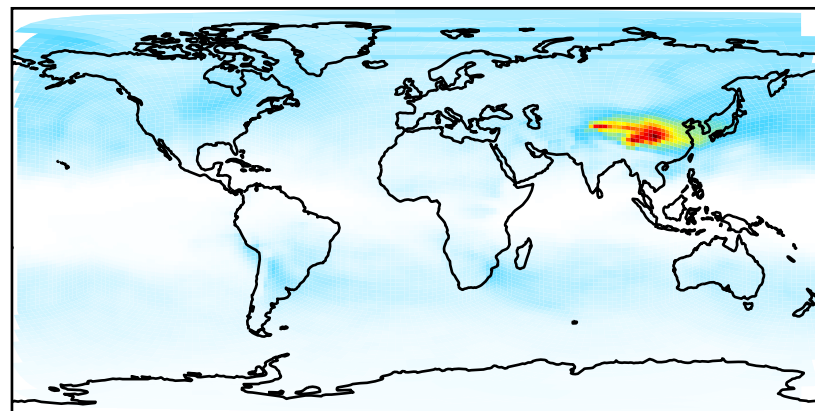


SpeciesConc_NHx (Oct2019)

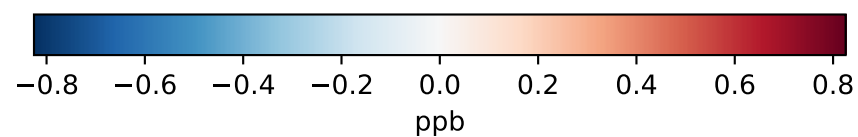
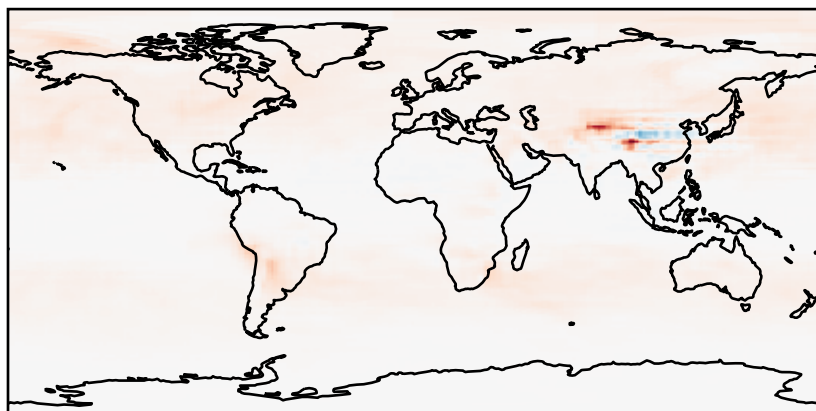
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



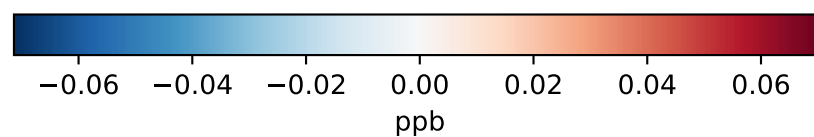
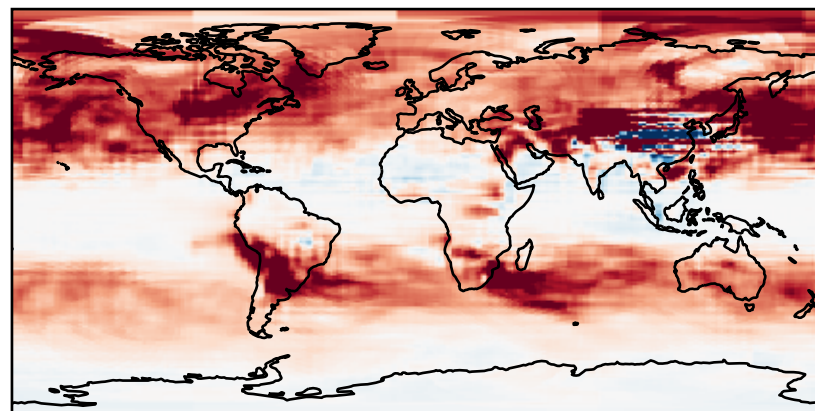
GCHP_13.0.0-beta.1 (Dev)
c48



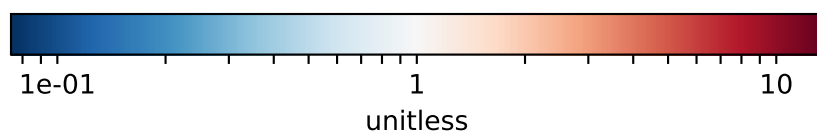
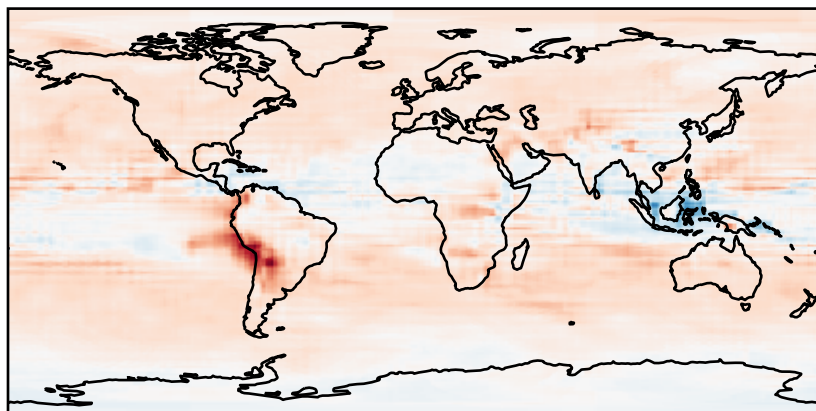
Difference (1x1.25)
Dev - Ref, Dynamic Range



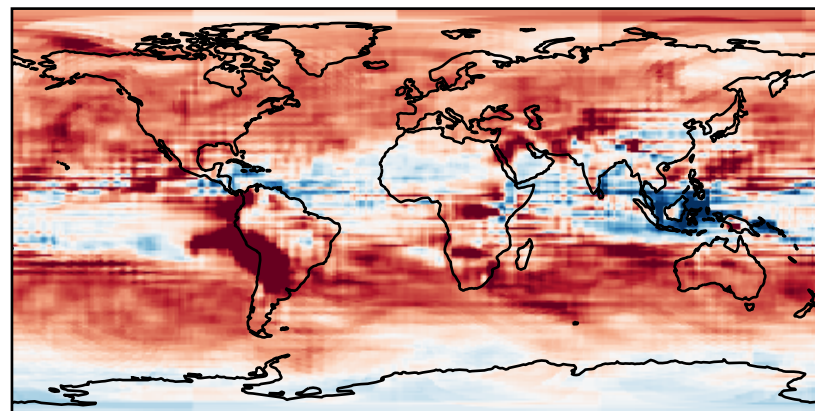
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

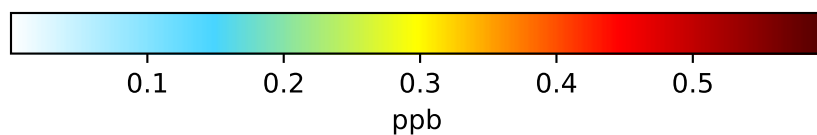
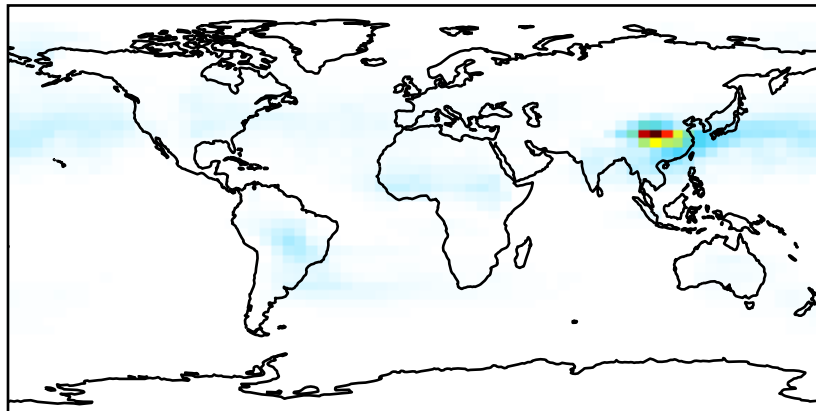


Ratio (1x1.25)
Dev/Ref, Fixed Range

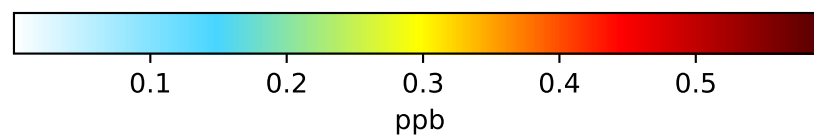
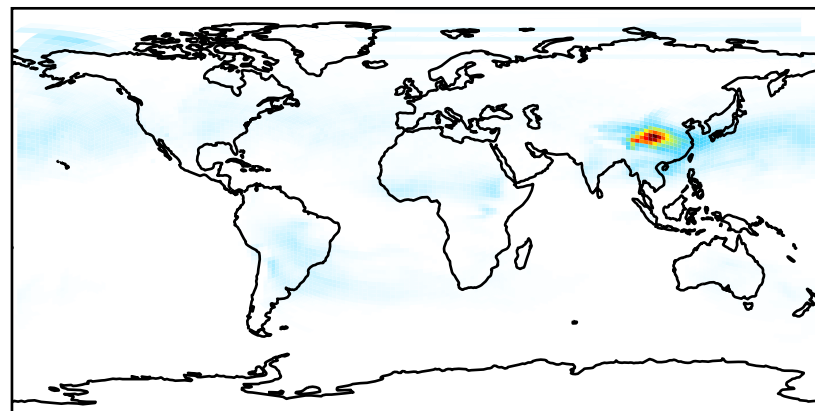


SpeciesConc_NH3 (Oct2019)

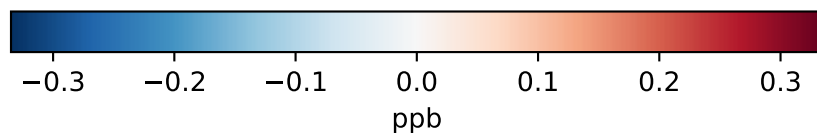
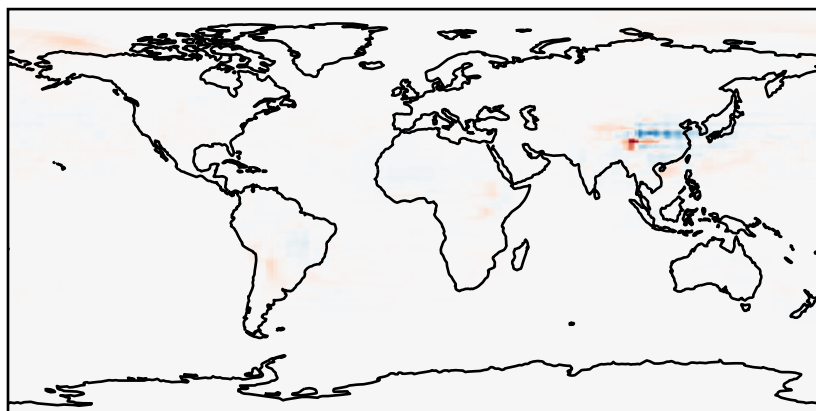
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



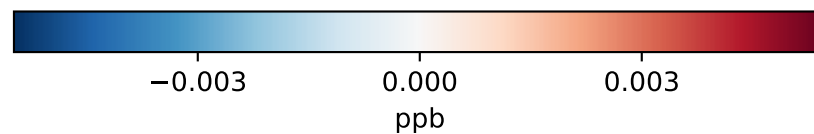
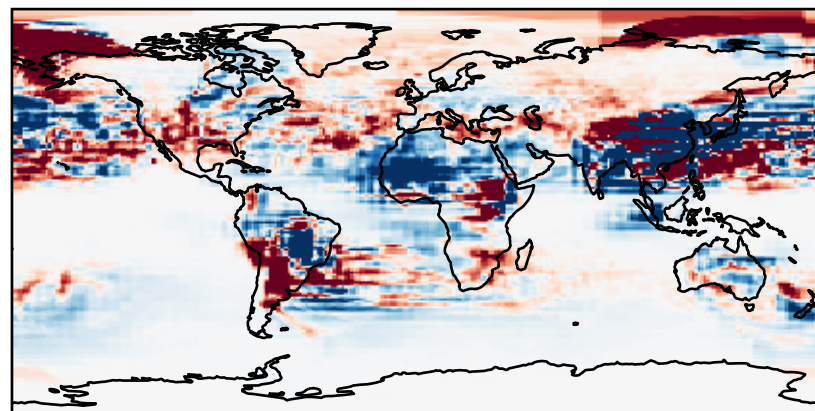
GCHP_13.0.0-beta.1 (Dev)
c48



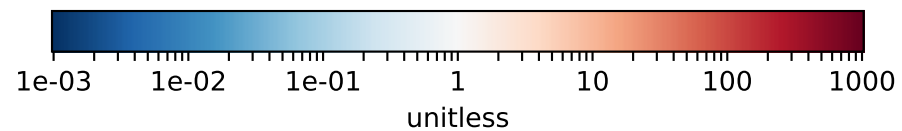
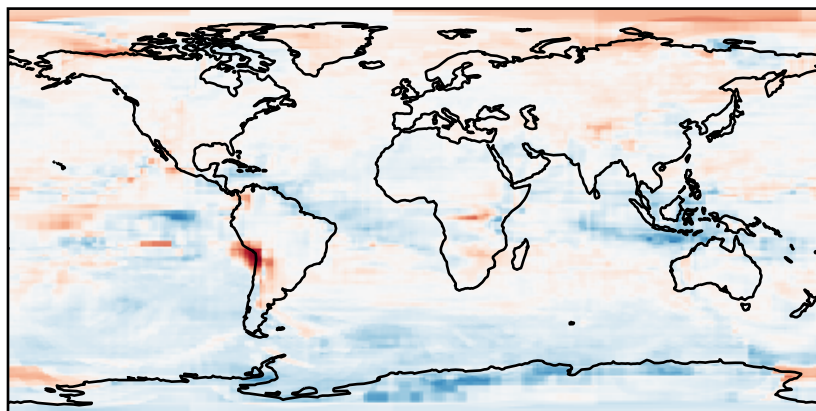
Difference (1x1.25)
Dev - Ref, Dynamic Range



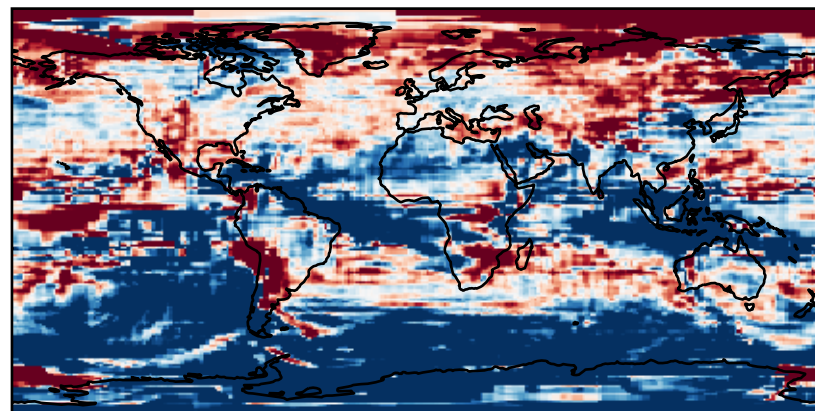
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

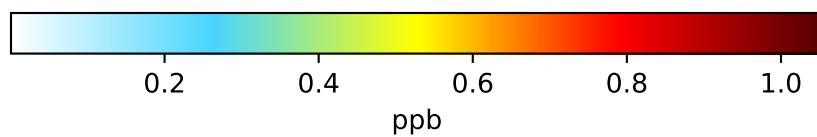
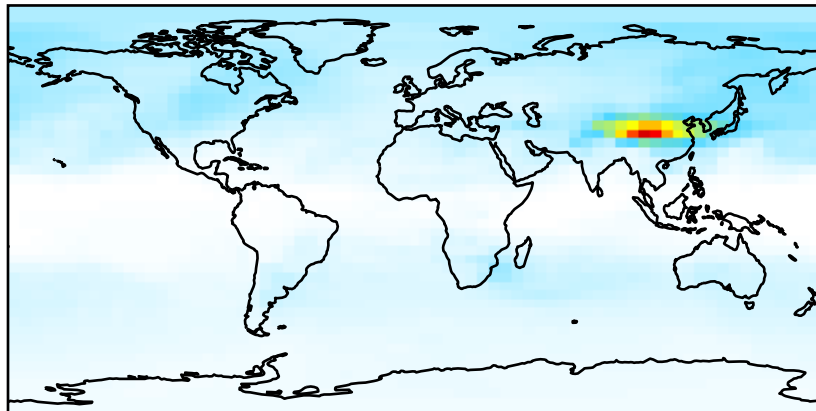


Ratio (1x1.25)
Dev/Ref, Fixed Range

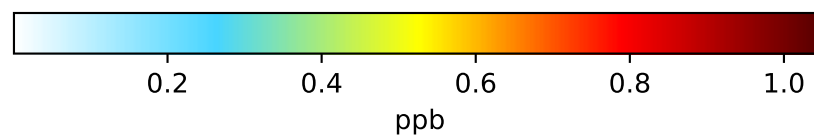
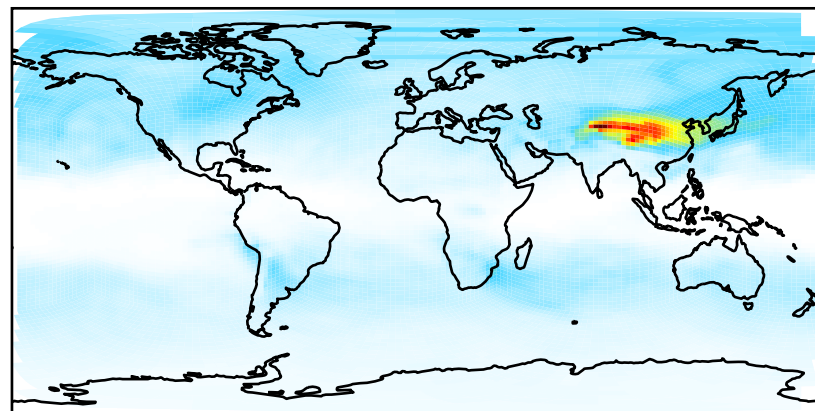


SpeciesConc_NH4 (Oct2019)

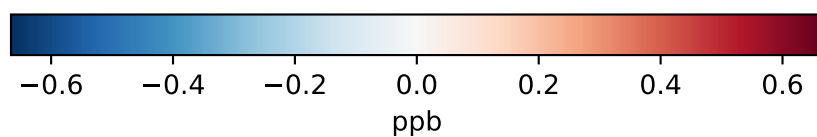
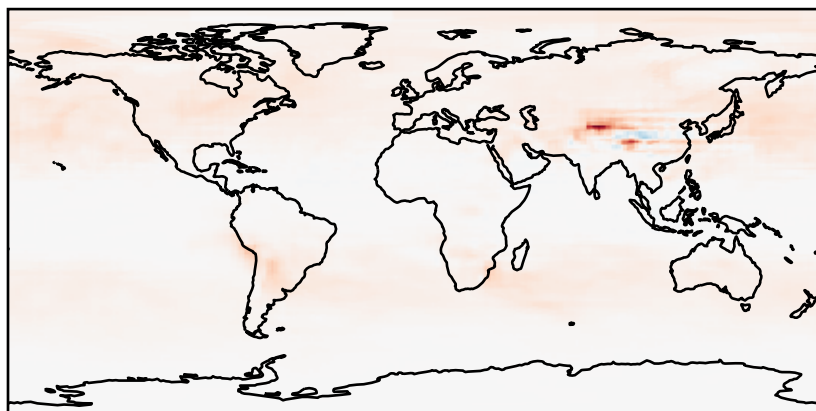
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



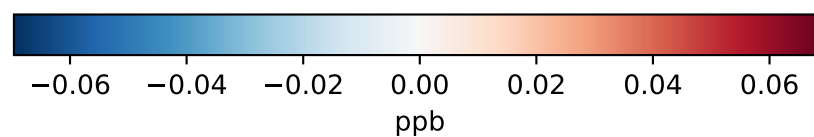
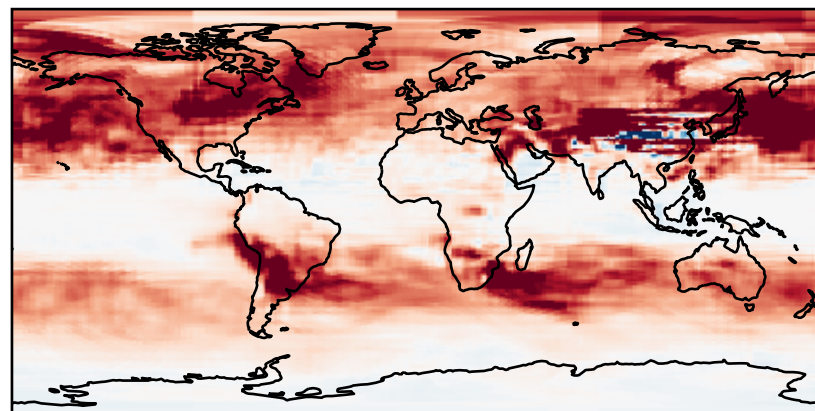
GCHP_13.0.0-beta.1 (Dev)
c48



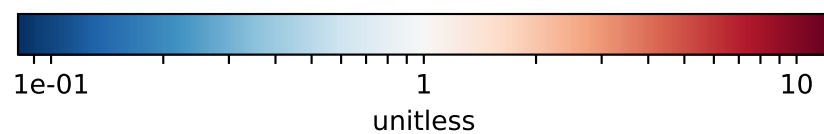
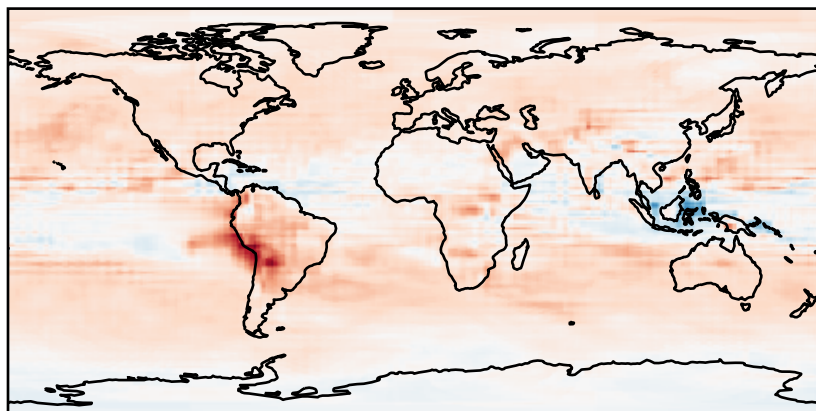
Difference (1x1.25)
Dev - Ref, Dynamic Range



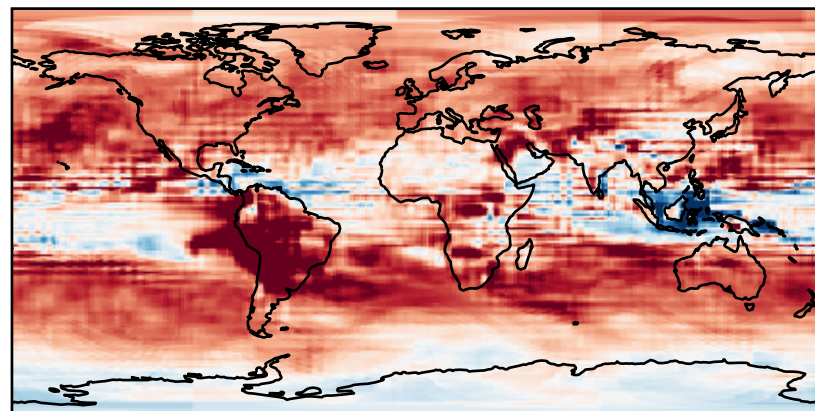
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

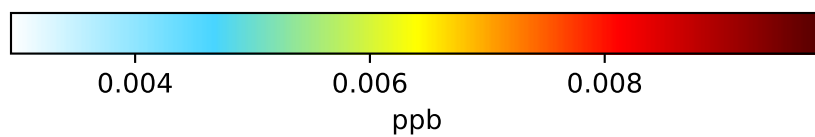
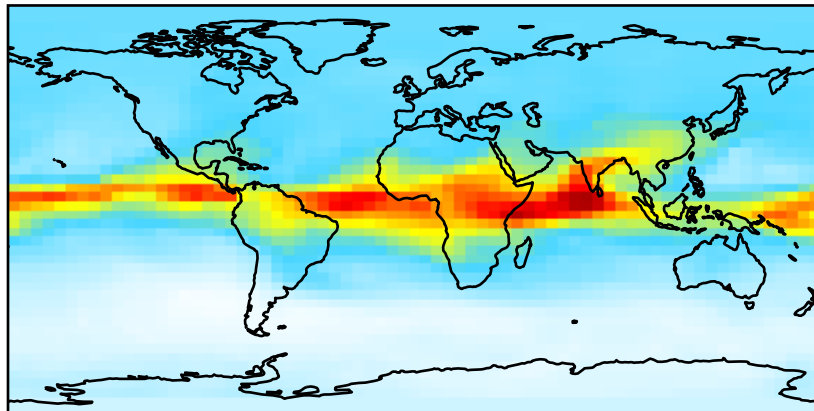


Ratio (1x1.25)
Dev/Ref, Fixed Range

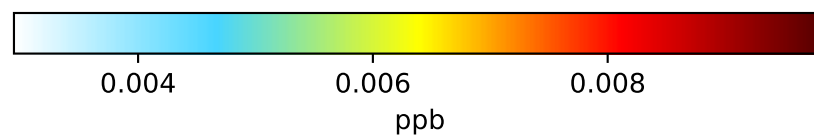
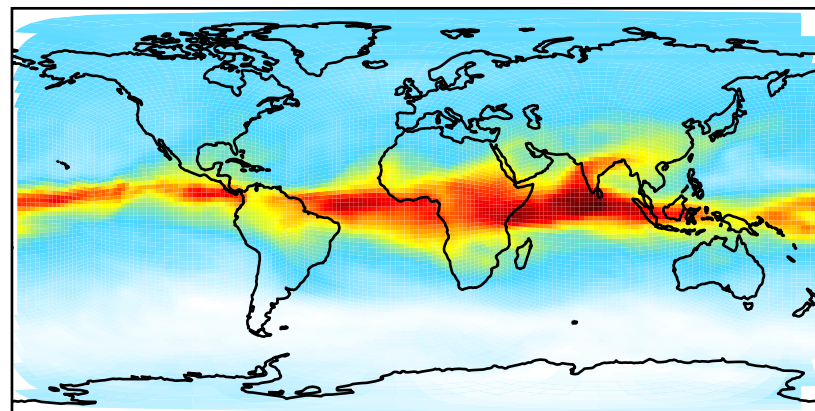


SpeciesConc_MENO3 (Oct2019)

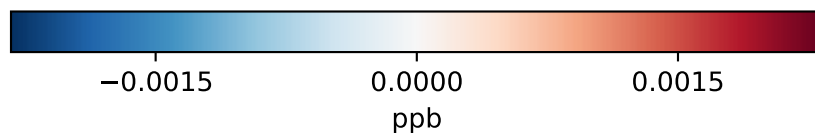
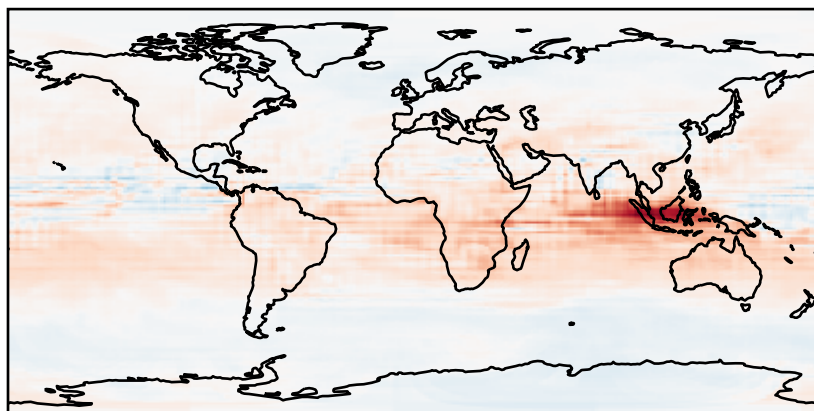
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



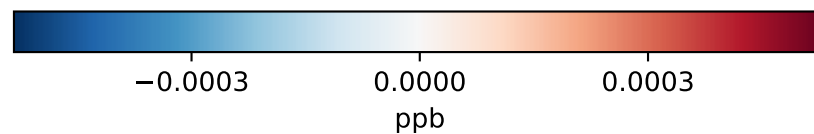
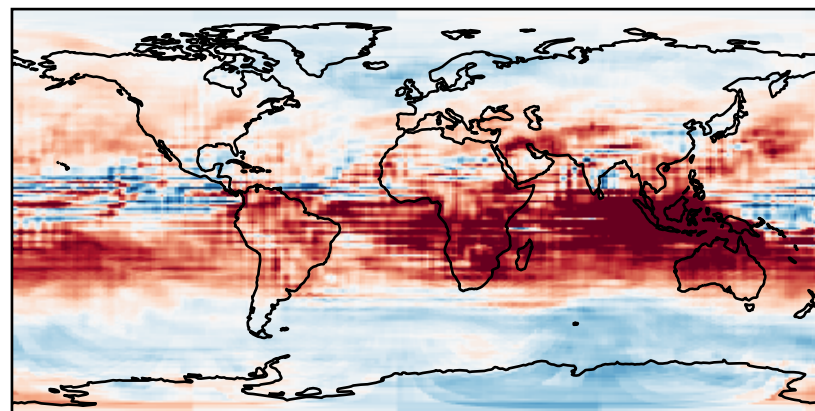
GCHP_13.0.0-beta.1 (Dev)
c48



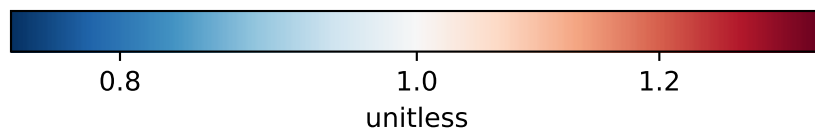
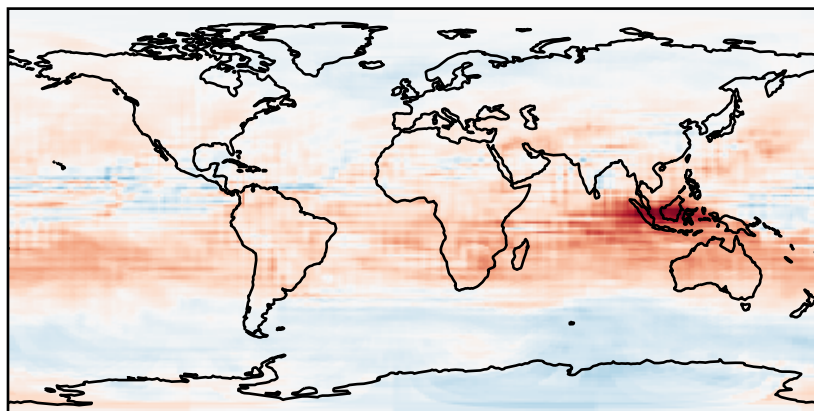
Difference (1x1.25)
Dev - Ref, Dynamic Range



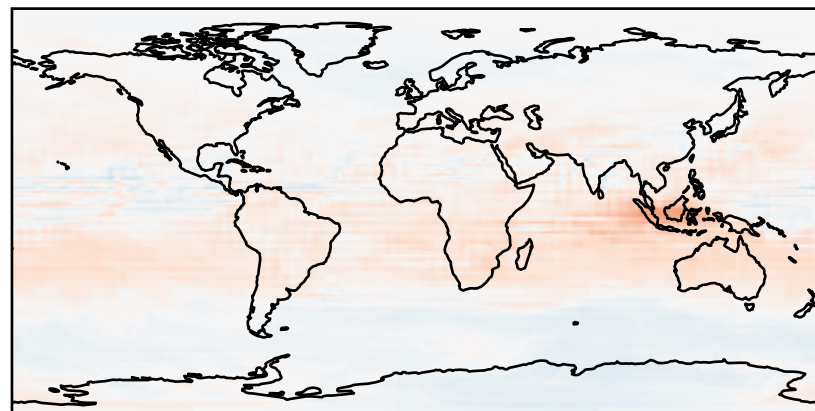
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

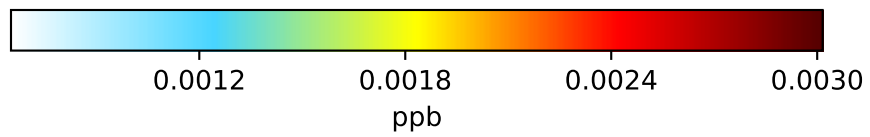
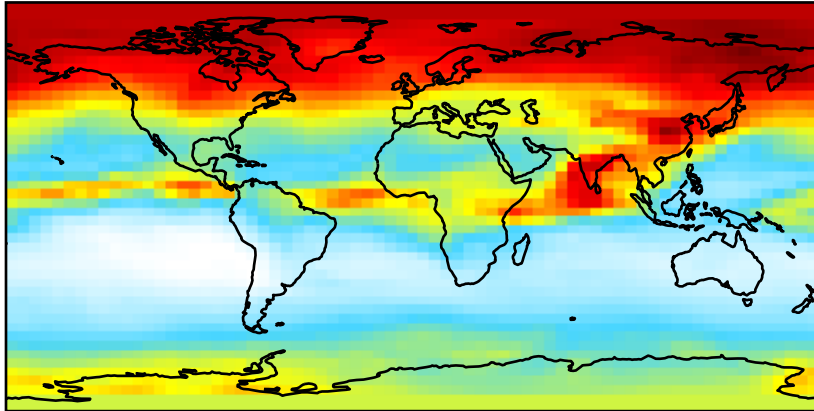


Ratio (1x1.25)
Dev/Ref, Fixed Range

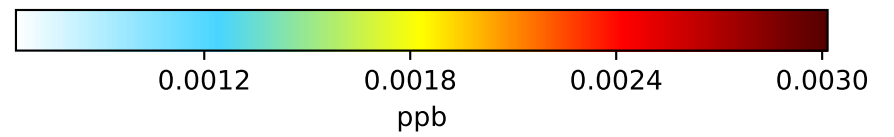
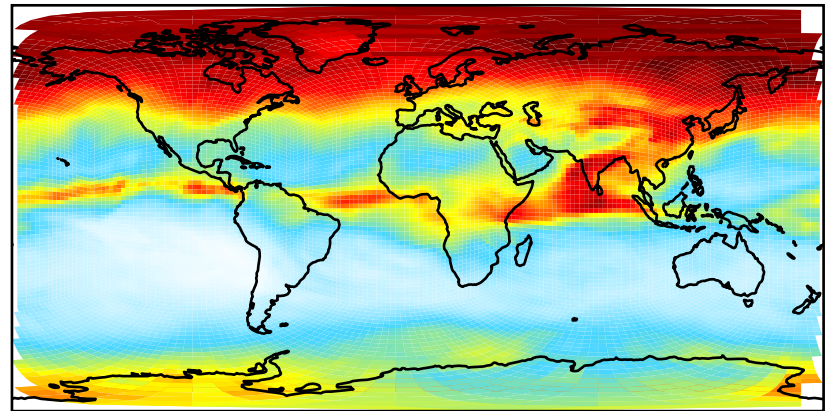


SpeciesConc_ETNO3 (Oct2019)

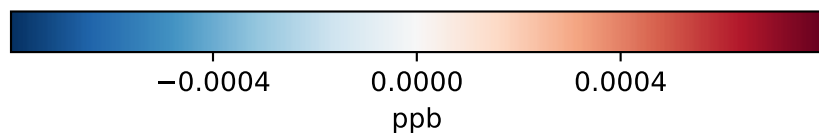
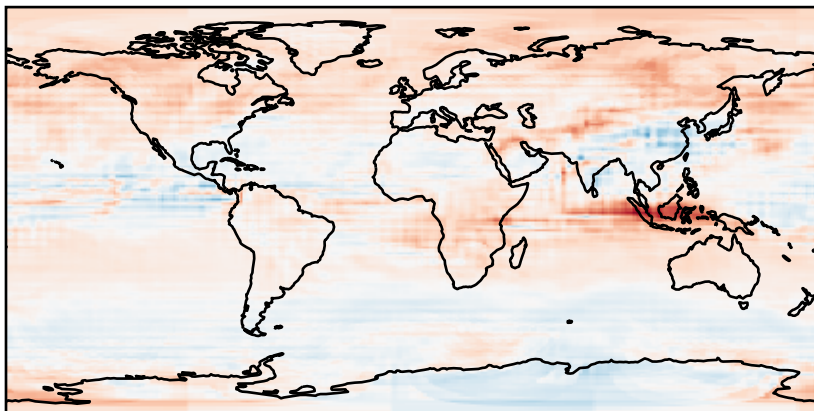
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



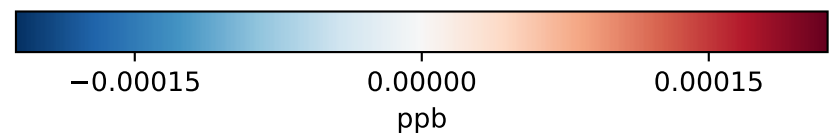
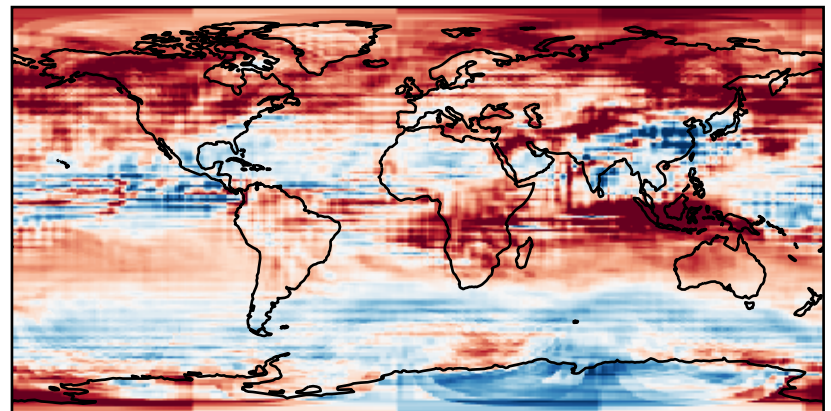
GCHP_13.0.0-beta.1 (Dev)
c48



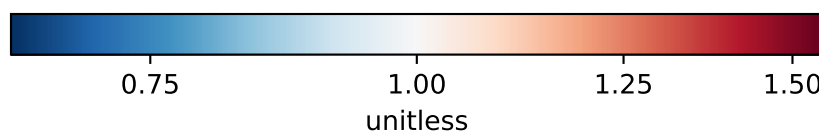
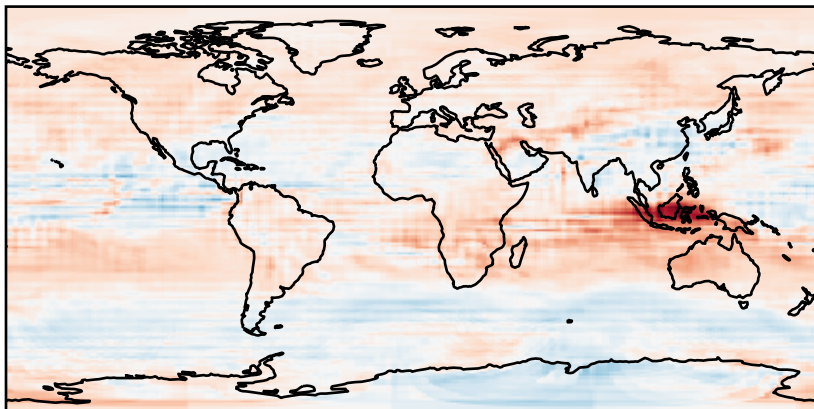
Difference (1x1.25)
Dev - Ref, Dynamic Range



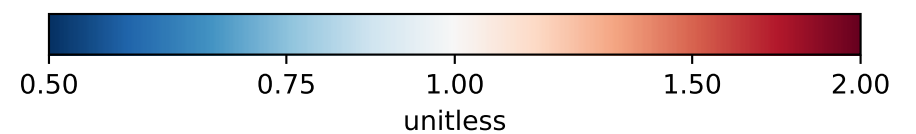
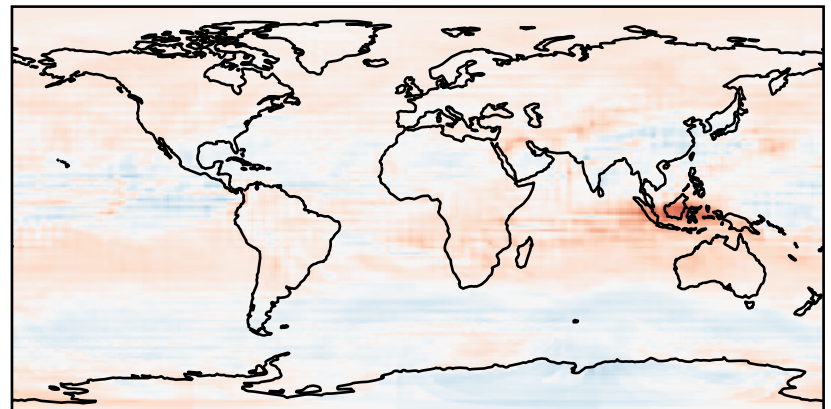
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

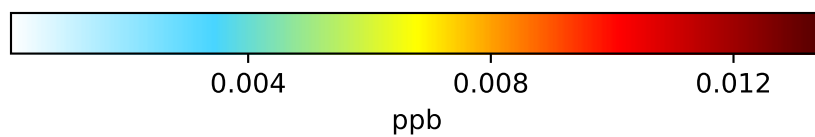
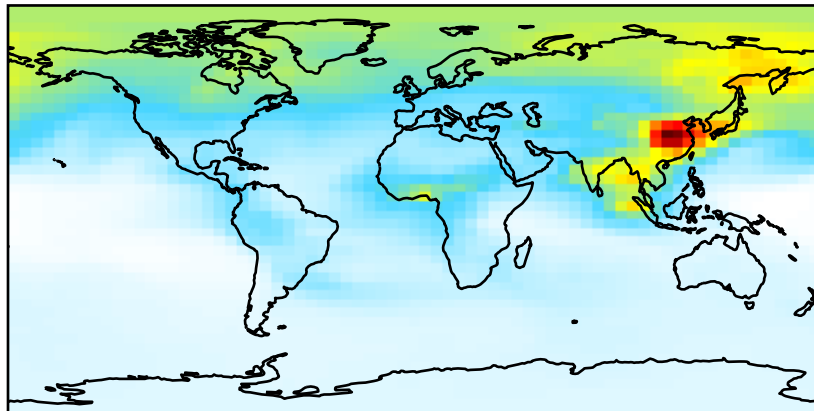


Ratio (1x1.25)
Dev/Ref, Fixed Range

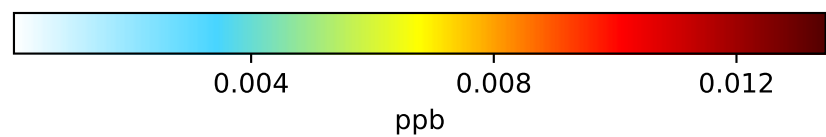
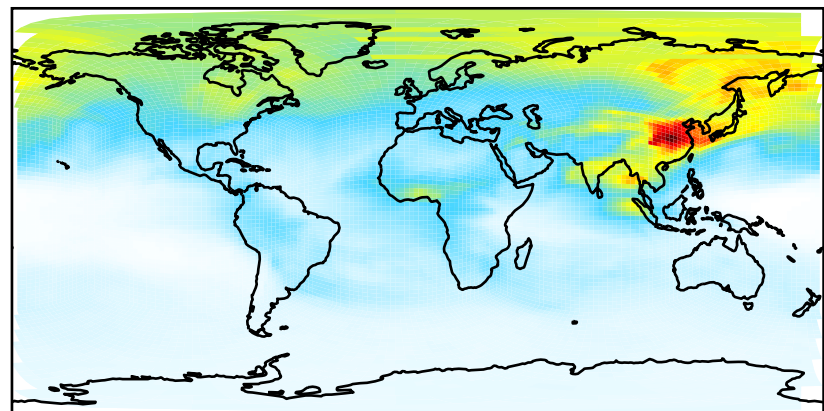


SpeciesConc_IPRNO3 (Oct2019)

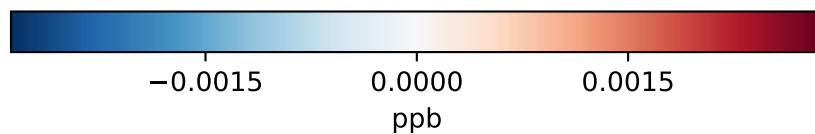
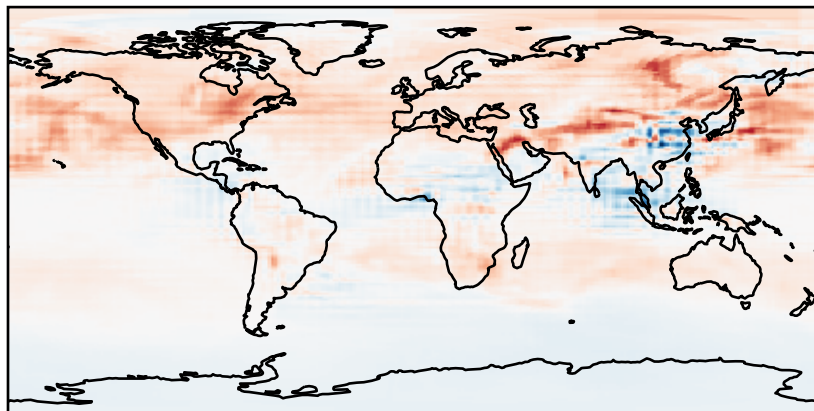
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



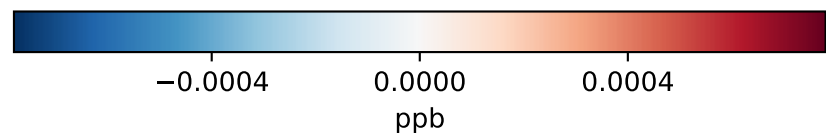
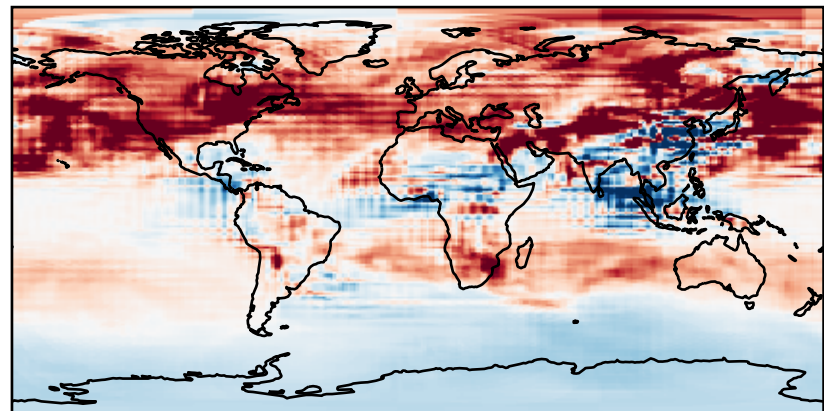
GCHP_13.0.0-beta.1 (Dev)
c48



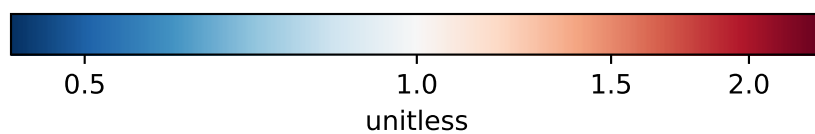
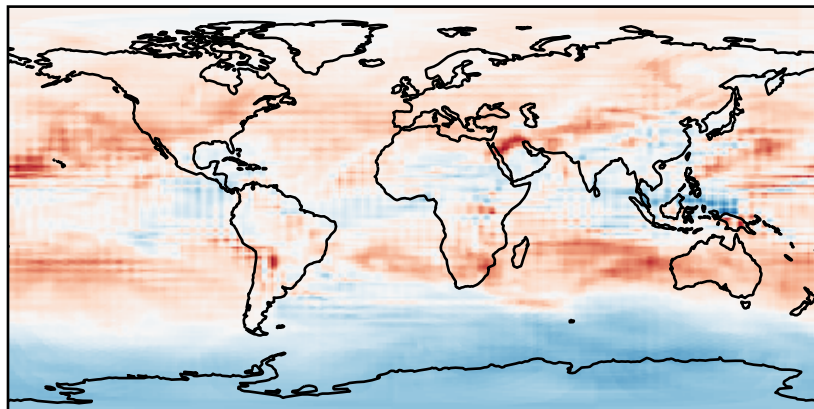
Difference (1x1.25)
Dev - Ref, Dynamic Range



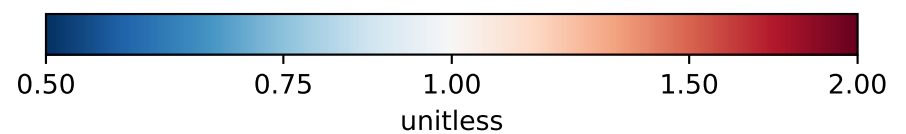
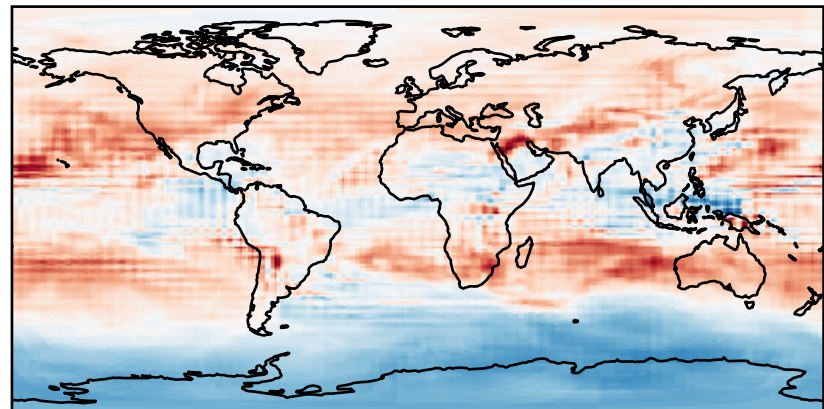
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

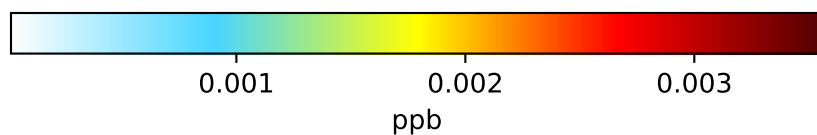
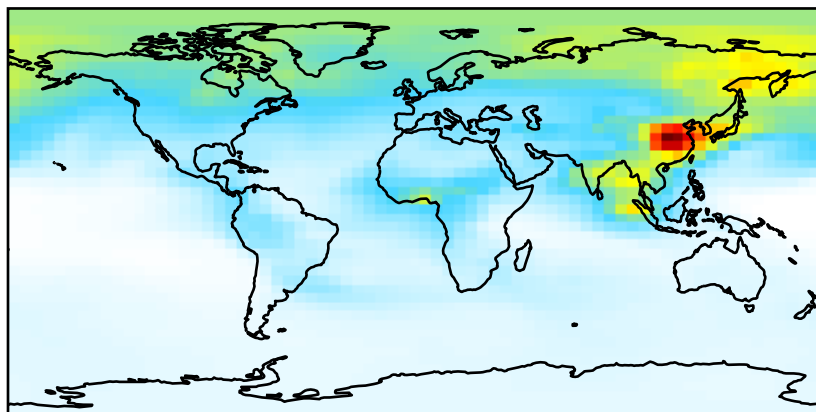


Ratio (1x1.25)
Dev/Ref, Fixed Range

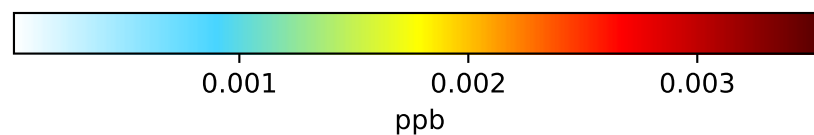
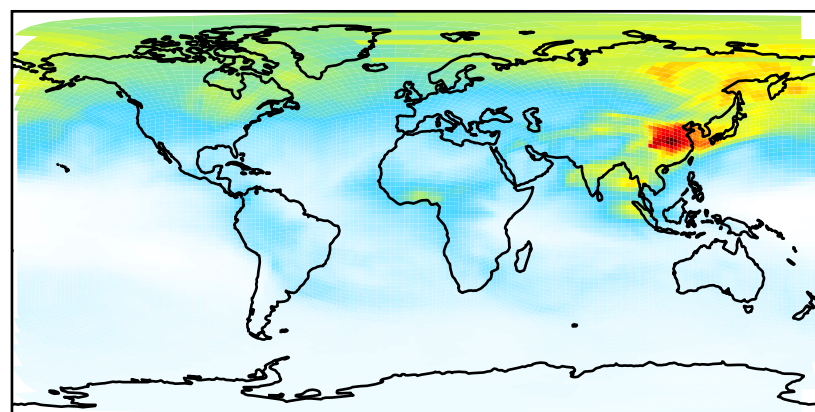


SpeciesConc_NPRNO3 (Oct2019)

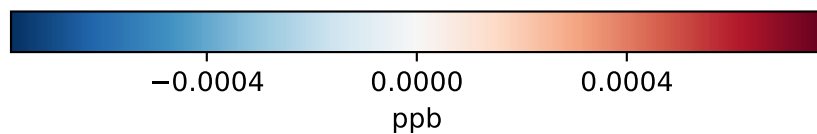
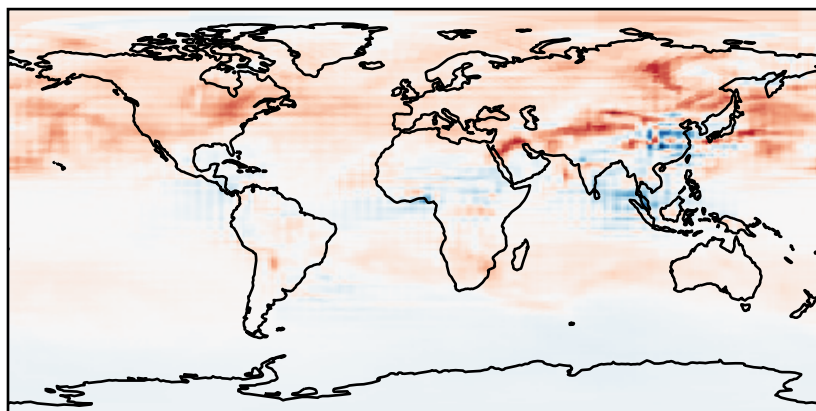
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



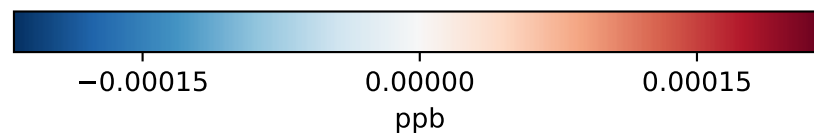
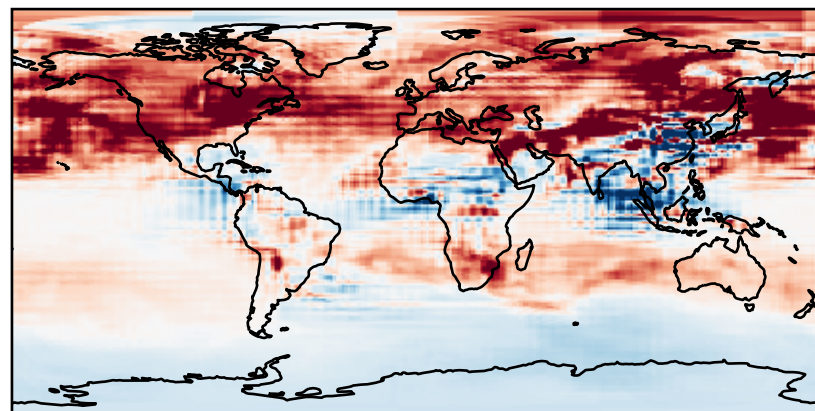
GCHP_13.0.0-beta.1 (Dev)
c48



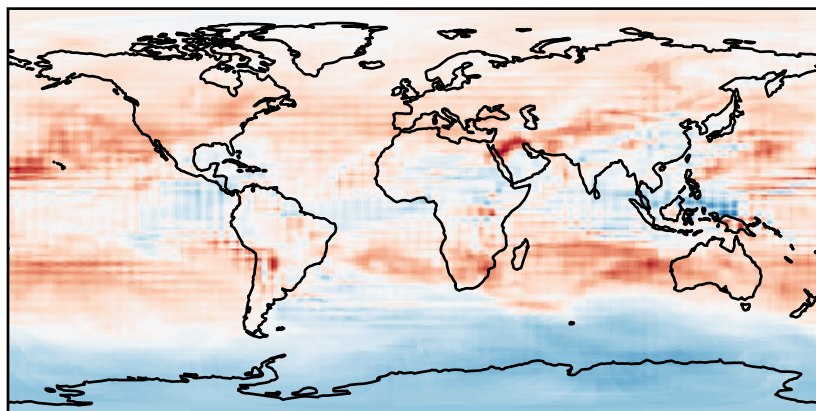
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

