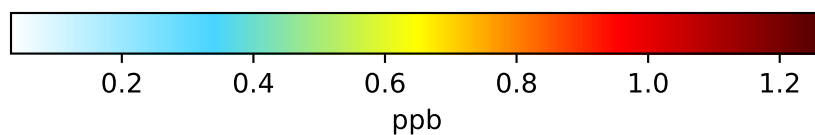
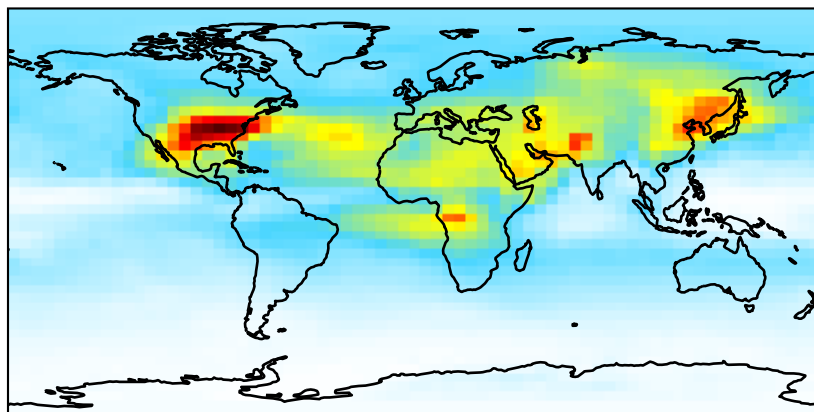
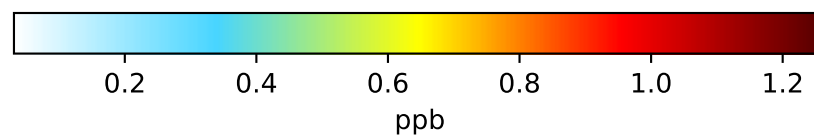
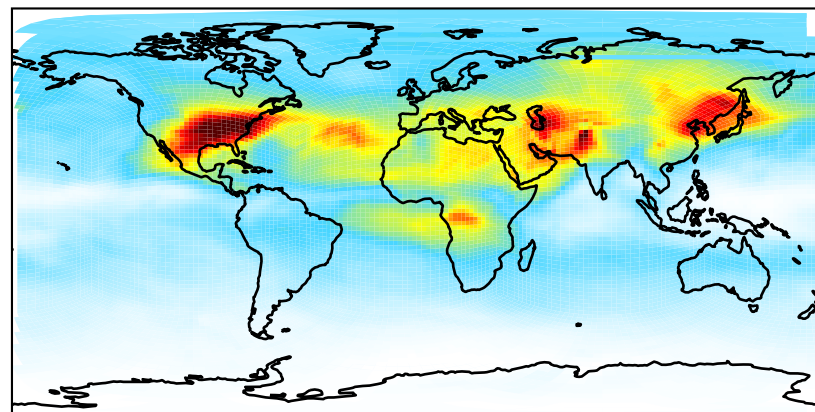


SpeciesConc_NOy

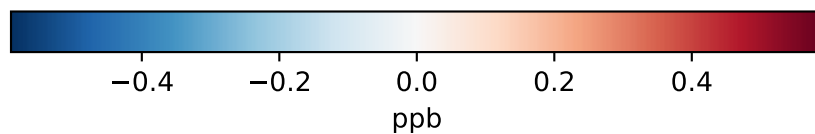
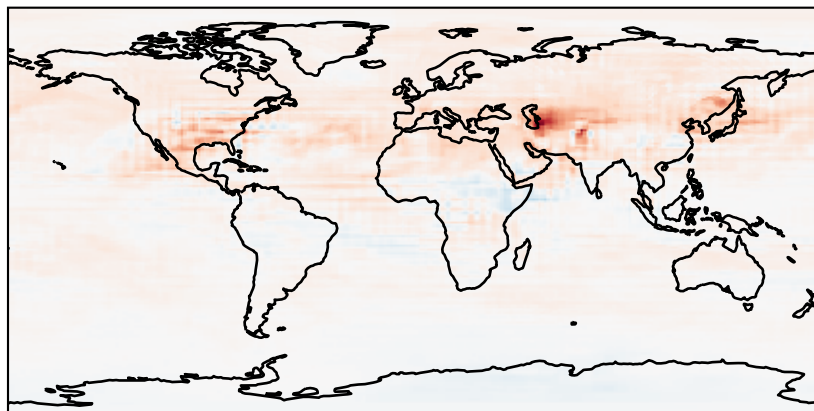
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



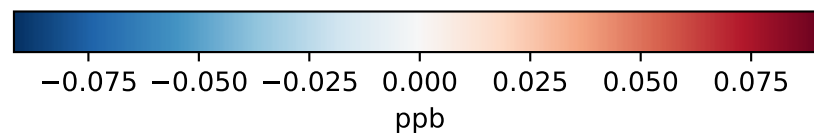
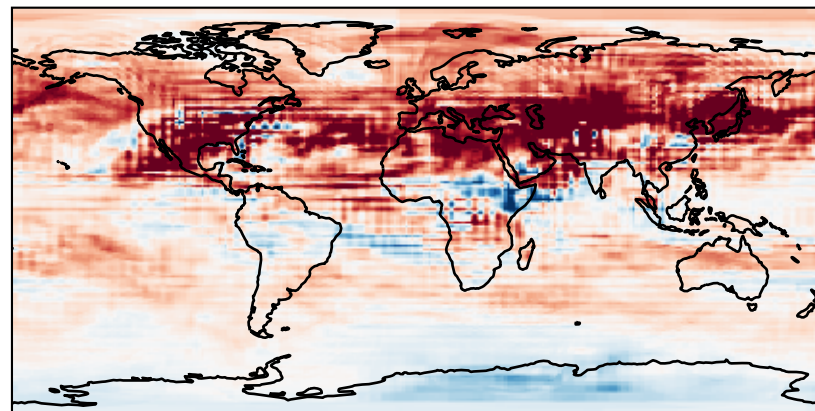
GCHP_13.1.0-beta.1 (Dev)
c48



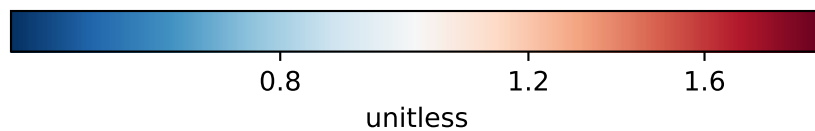
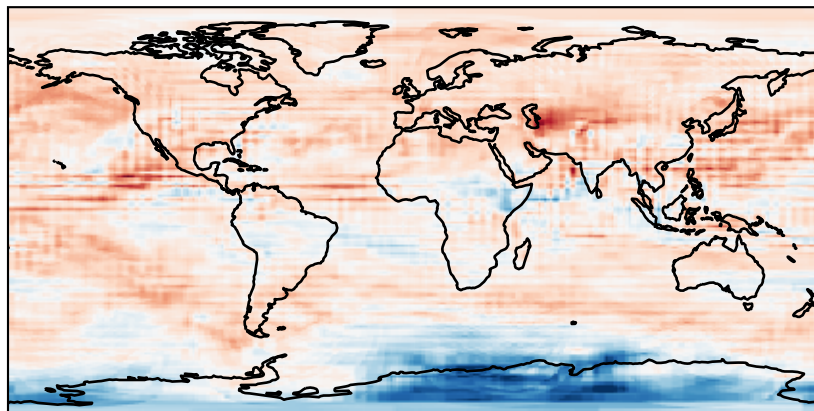
Difference (1x1.25)
Dev - Ref, Dynamic Range



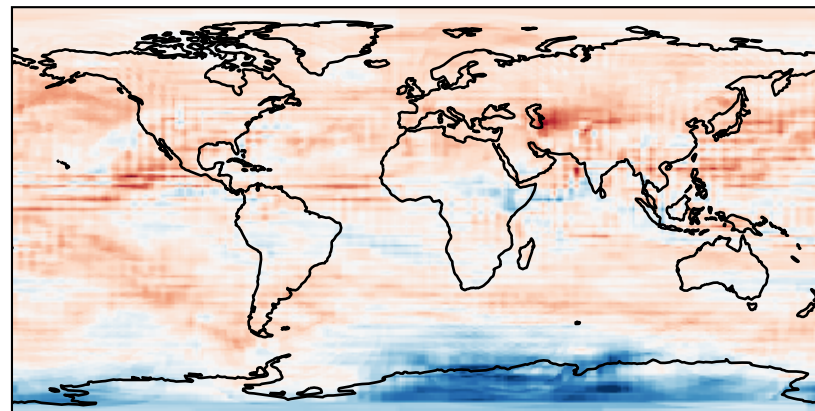
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

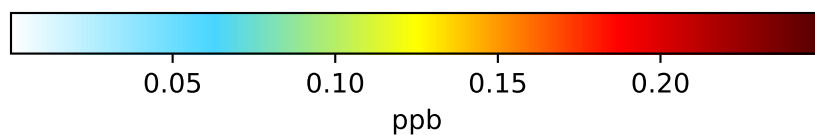
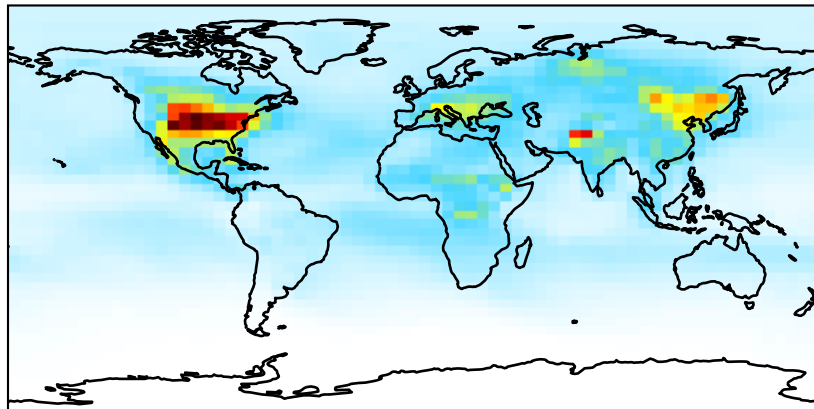


Ratio (1x1.25)
Dev/Ref, Fixed Range

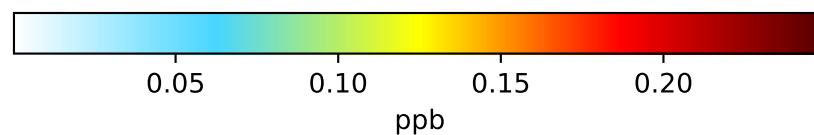
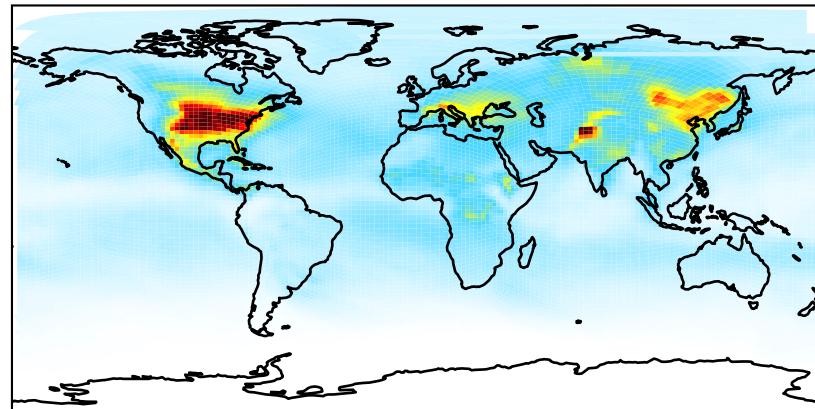


SpeciesConc_NOx

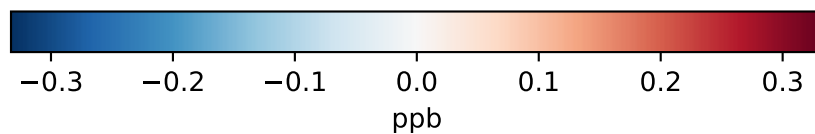
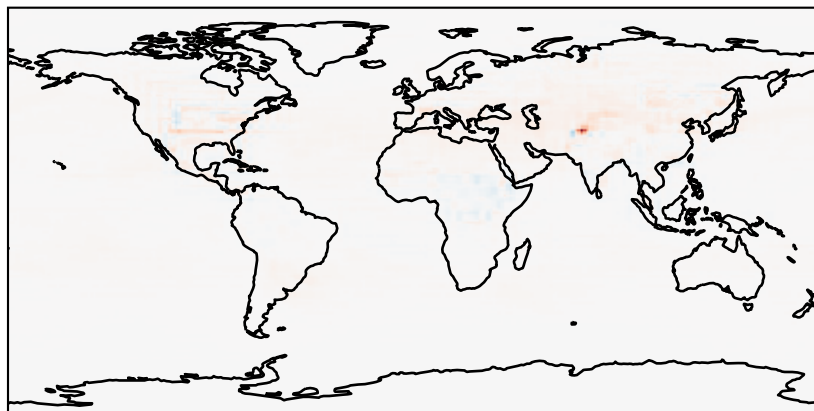
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



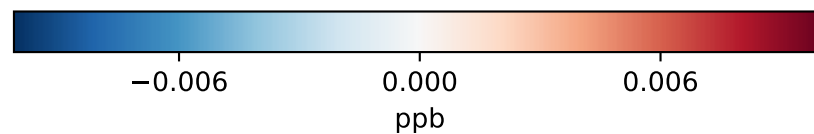
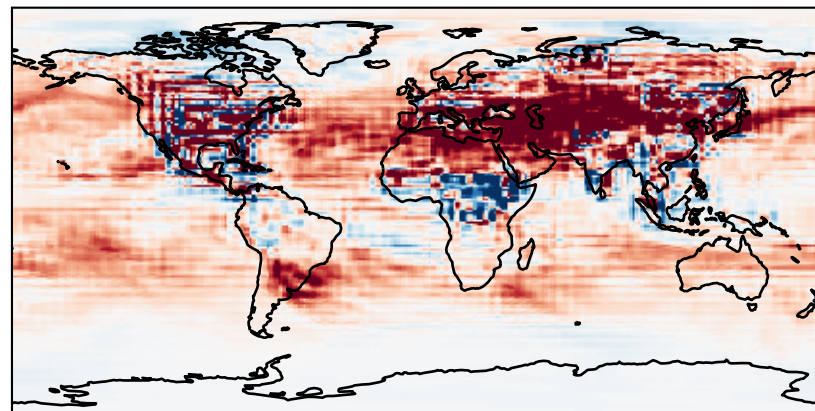
GCHP_13.1.0-beta.1 (Dev)
c48



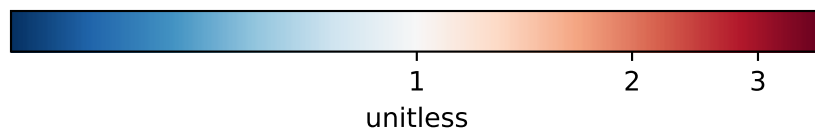
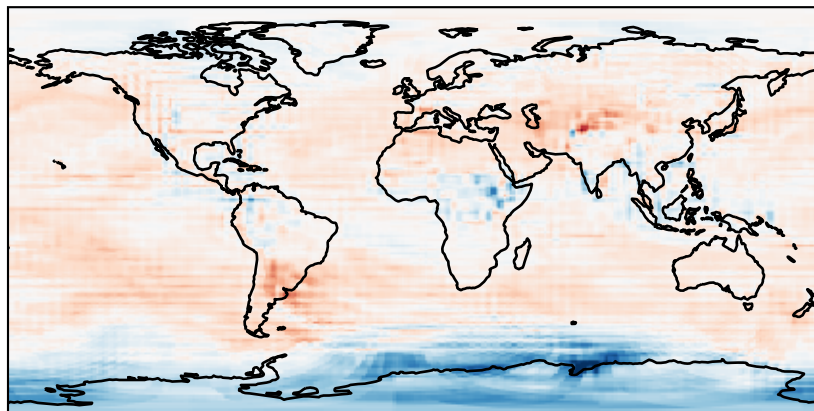
Difference (1x1.25)
Dev - Ref, Dynamic Range



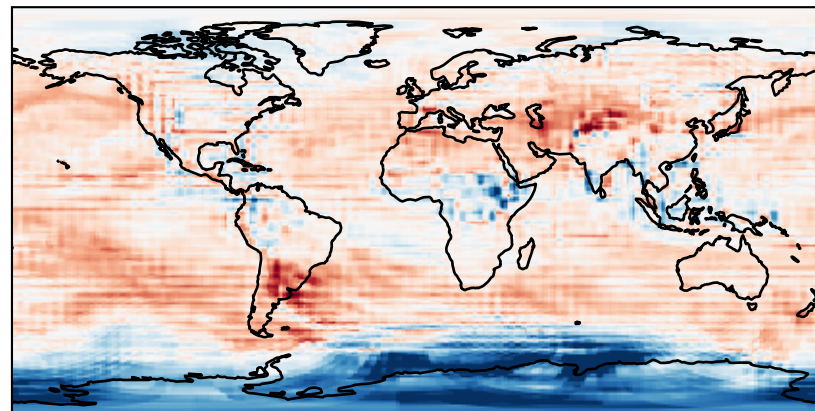
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

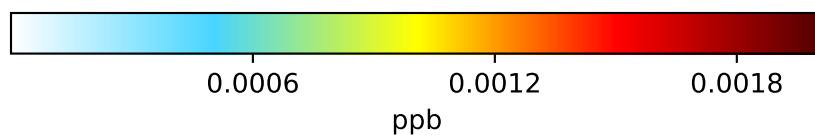
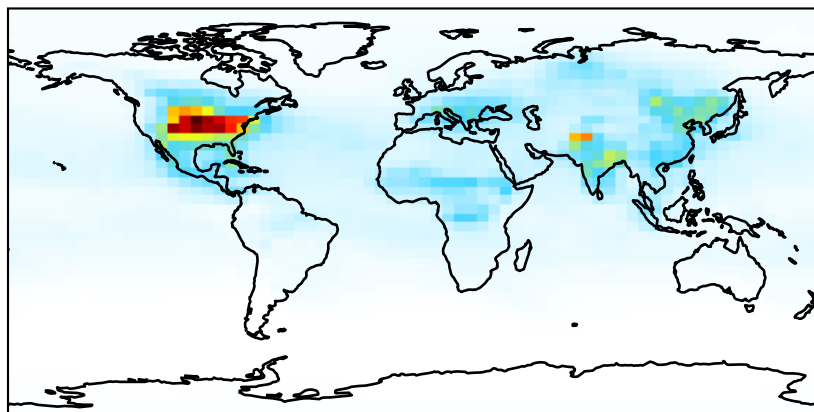


Ratio (1x1.25)
Dev/Ref, Fixed Range

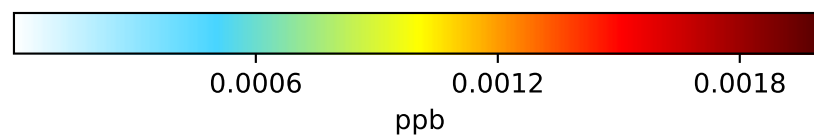
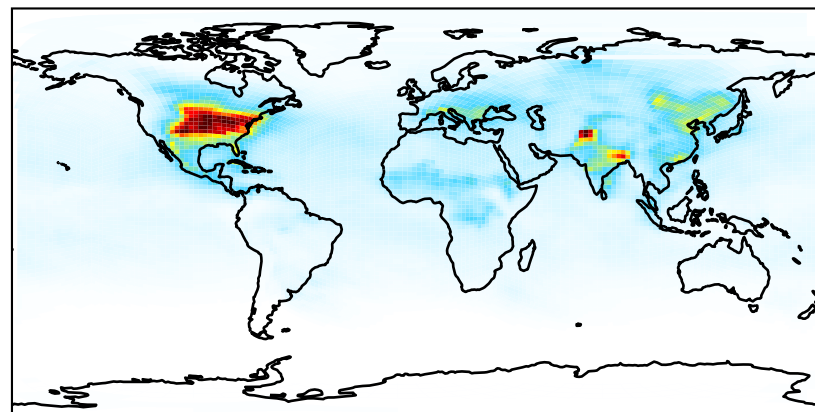


SpeciesConc_HNO2

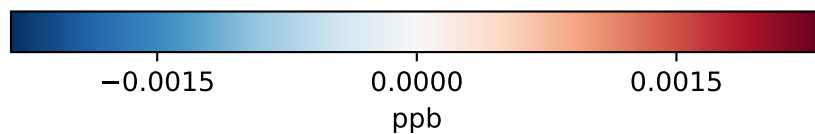
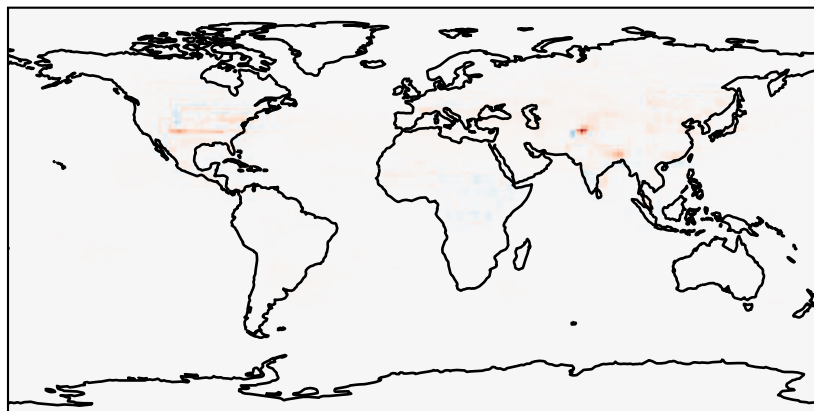
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



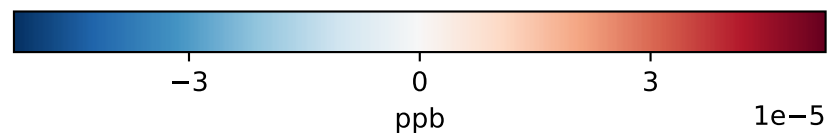
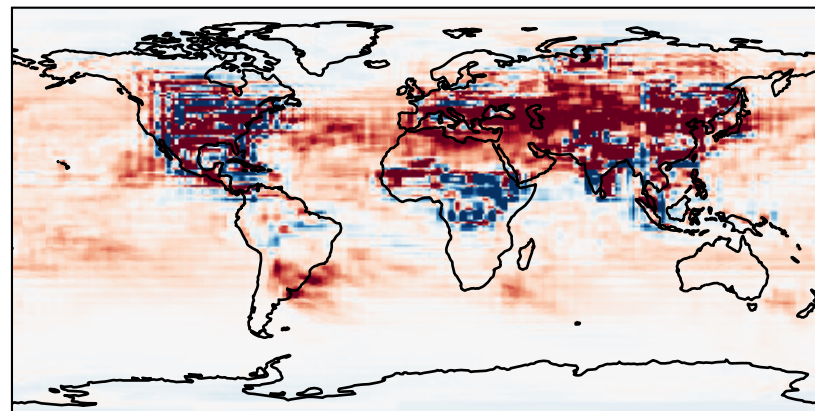
GCHP_13.1.0-beta.1 (Dev)
c48



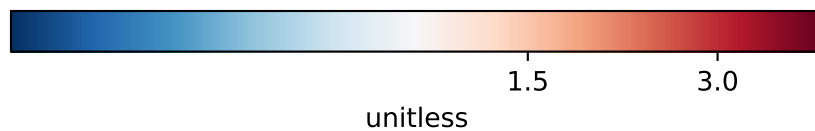
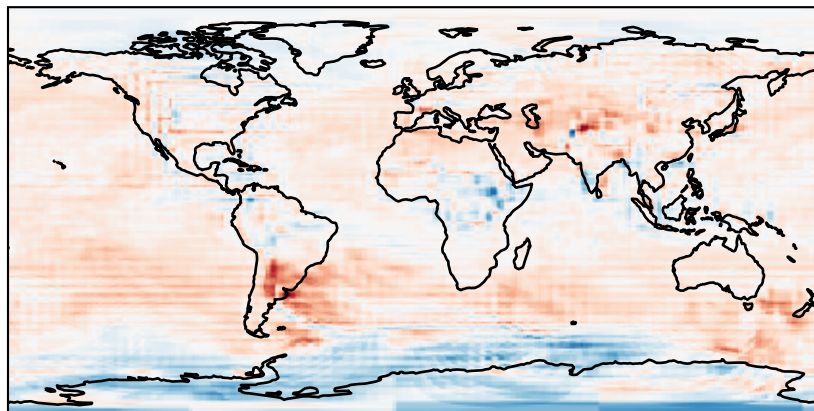
Difference (1x1.25)
Dev - Ref, Dynamic Range



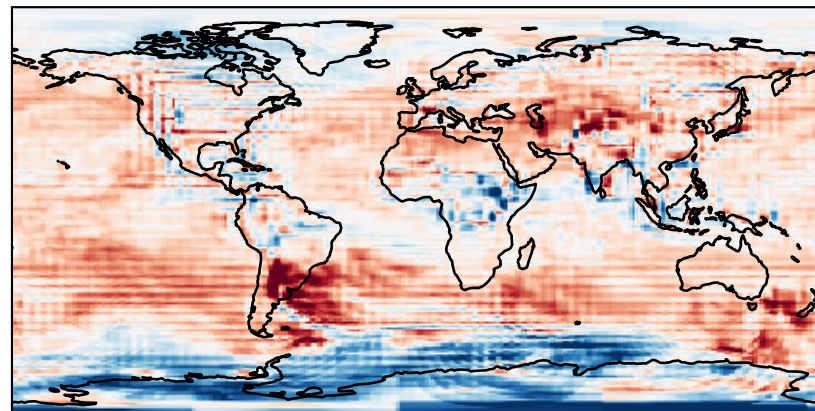
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

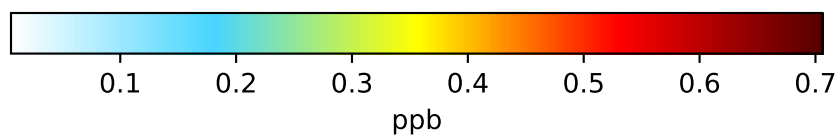
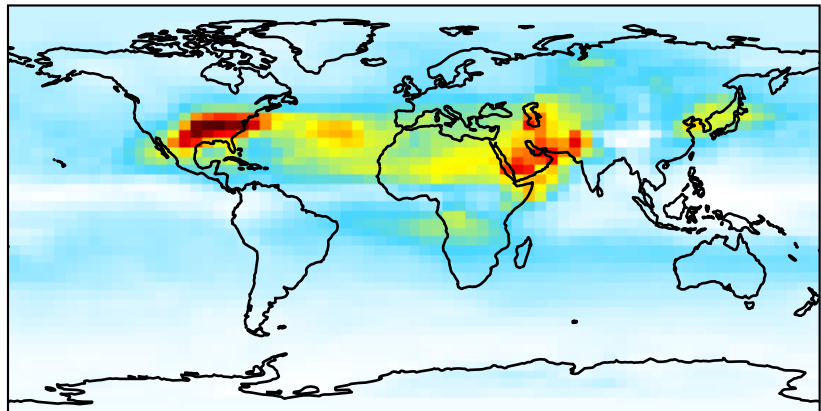


Ratio (1x1.25)
Dev/Ref, Fixed Range

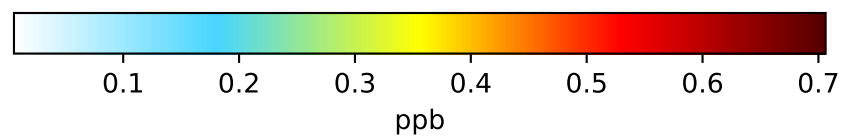
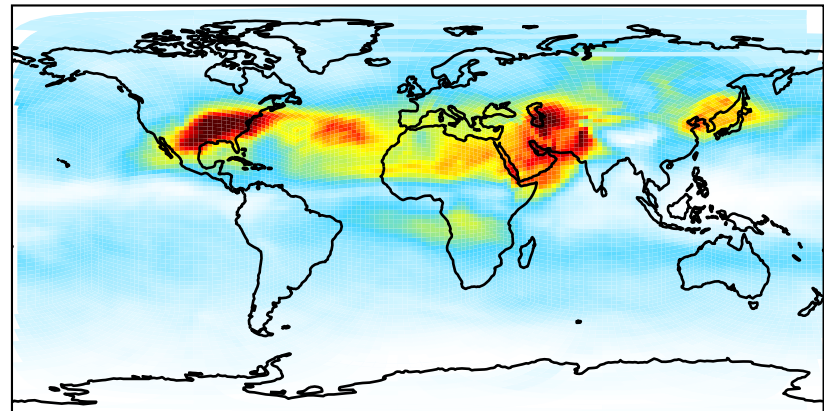


SpeciesConc_HNO3

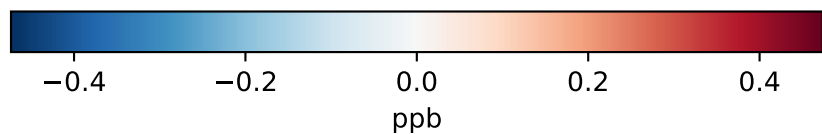
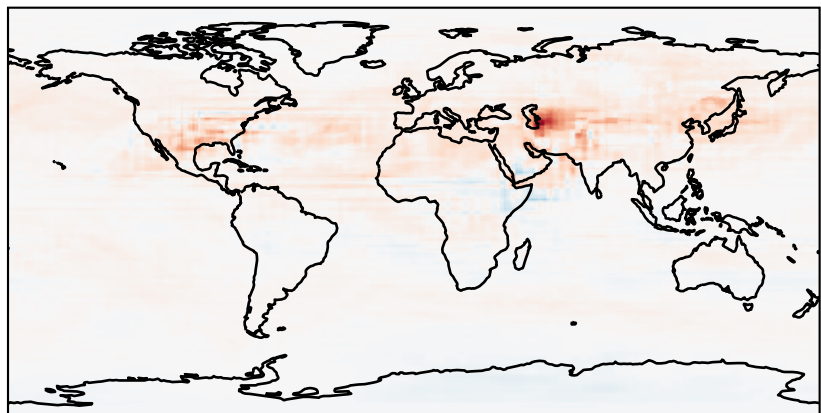
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



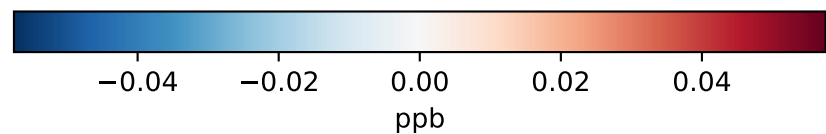
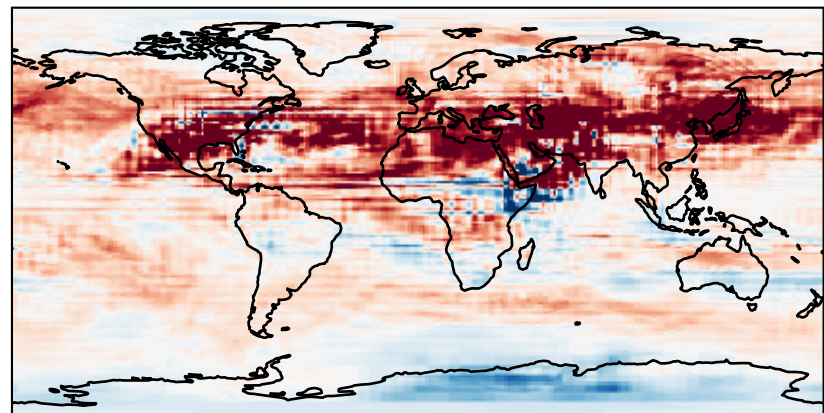
GCHP_13.1.0-beta.1 (Dev)
c48



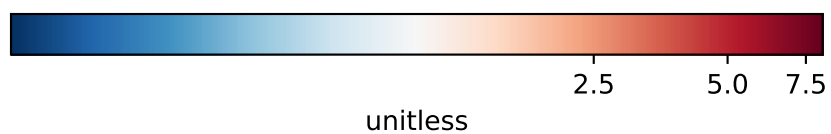
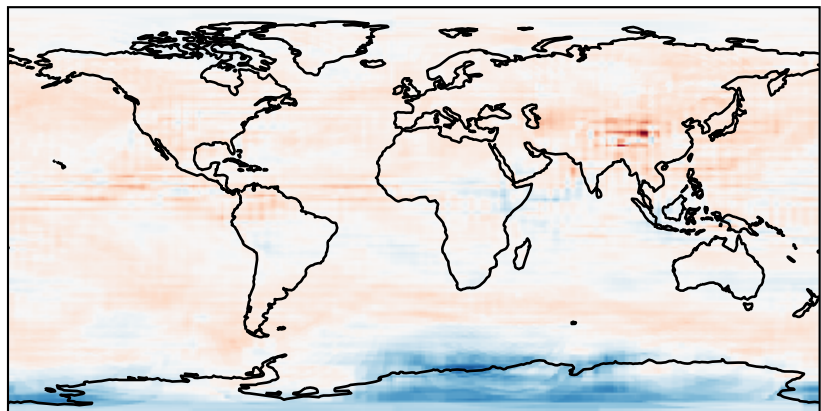
Difference (1x1.25)
Dev - Ref, Dynamic Range



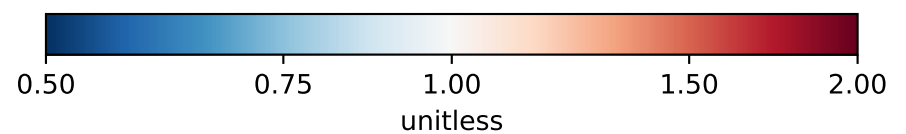
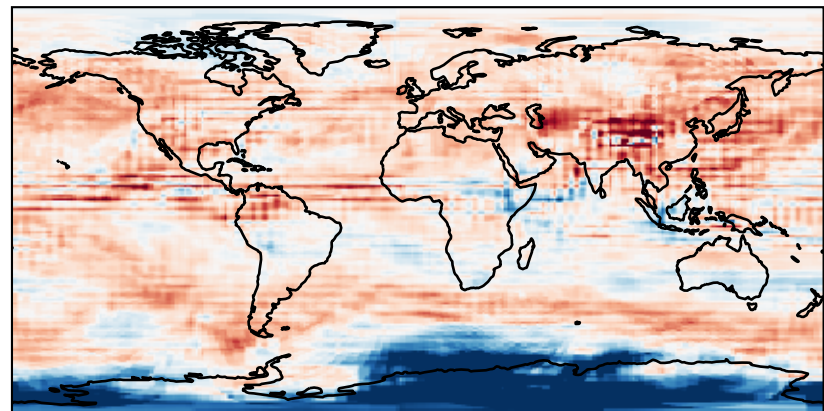
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

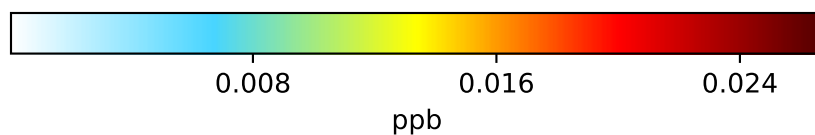
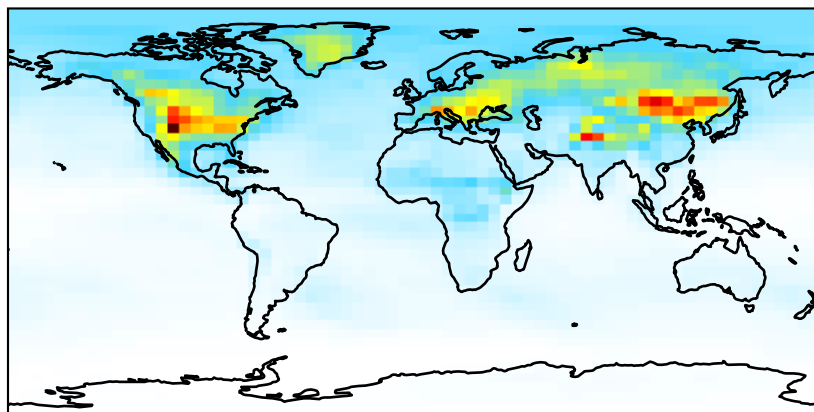


Ratio (1x1.25)
Dev/Ref, Fixed Range

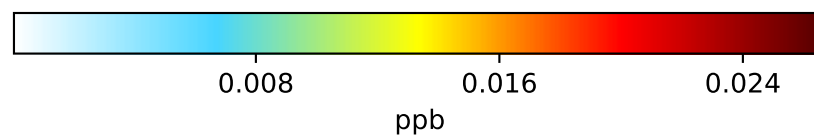
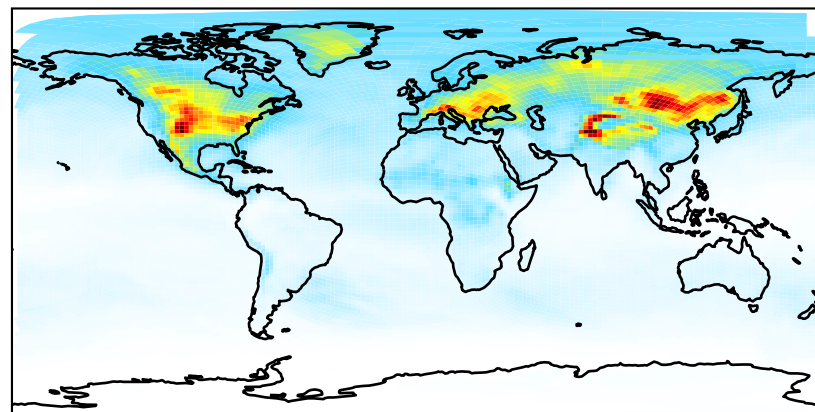


SpeciesConc_HNO4

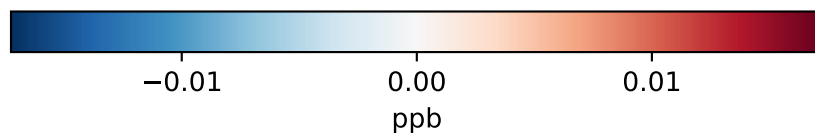
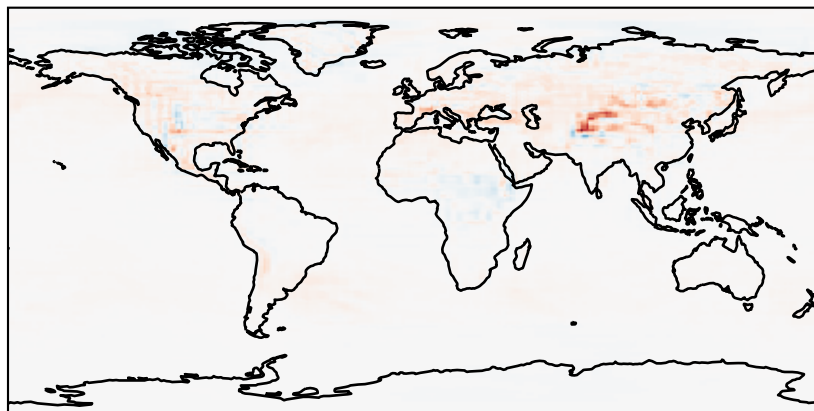
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



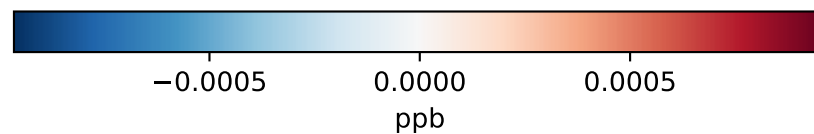
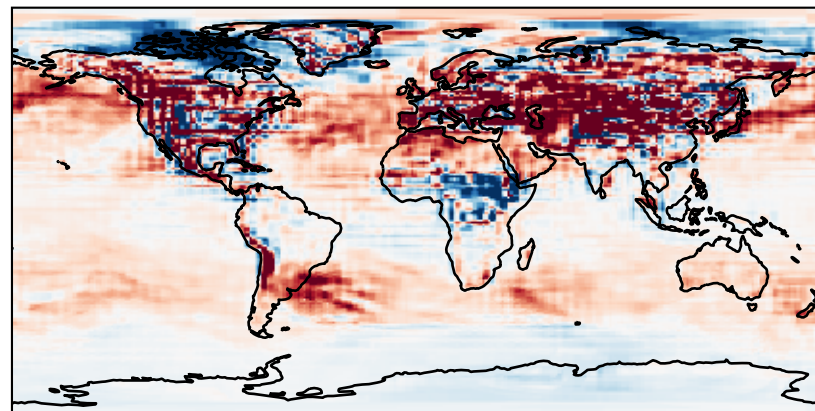
GCHP_13.1.0-beta.1 (Dev)
c48



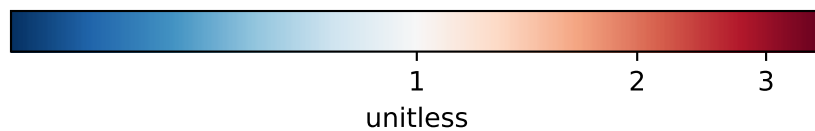
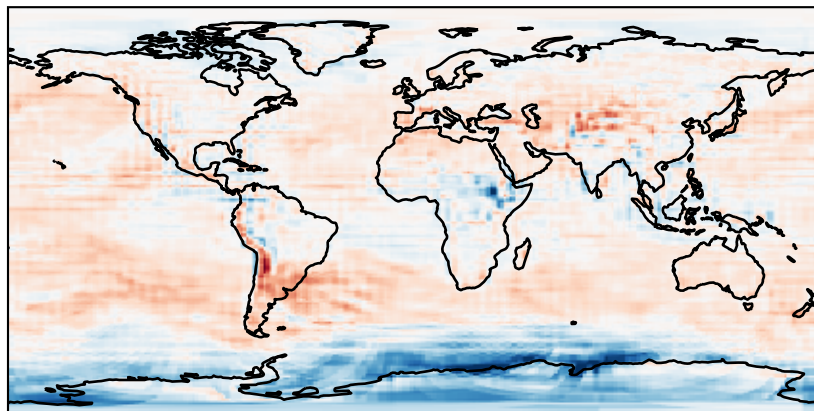
Difference (1x1.25)
Dev - Ref, Dynamic Range



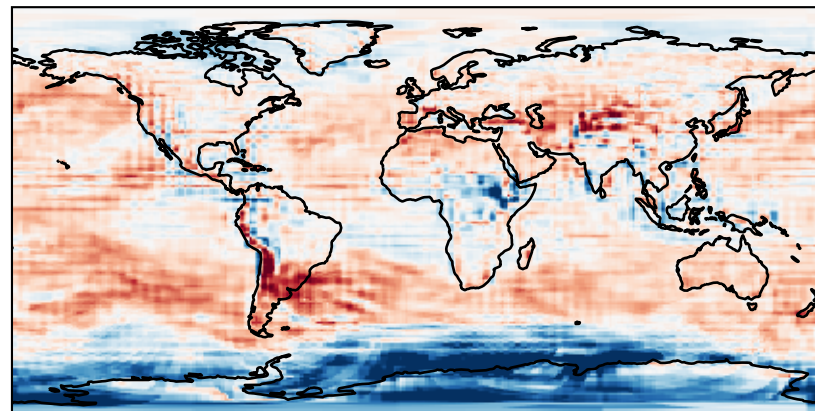
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

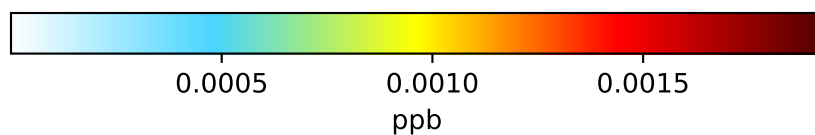
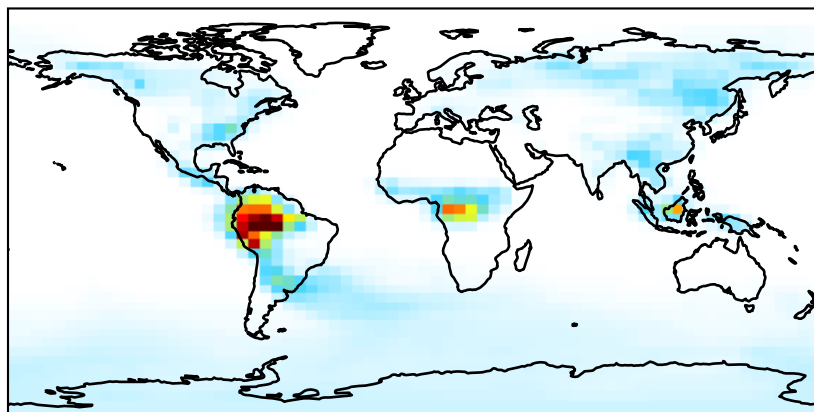


Ratio (1x1.25)
Dev/Ref, Fixed Range

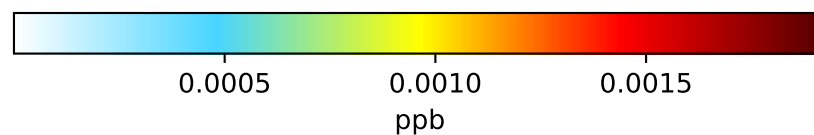
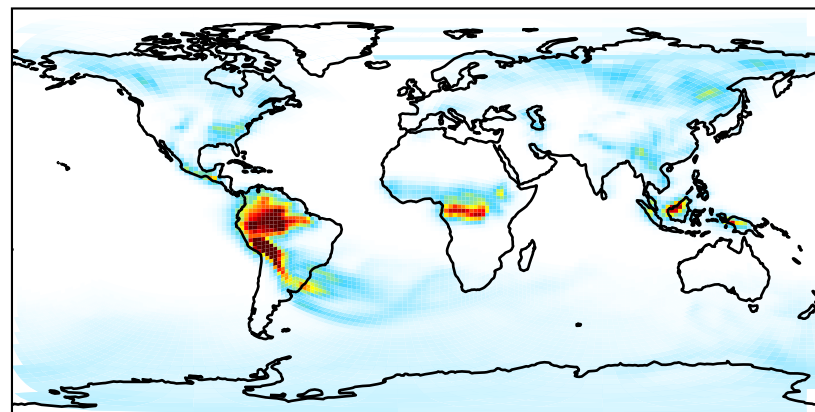


SpeciesConc_MPAN

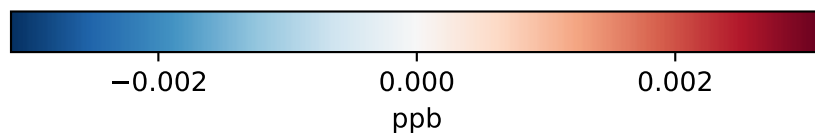
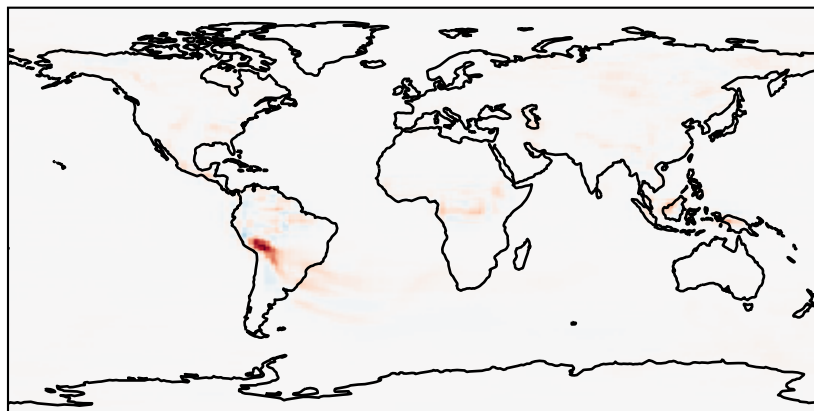
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



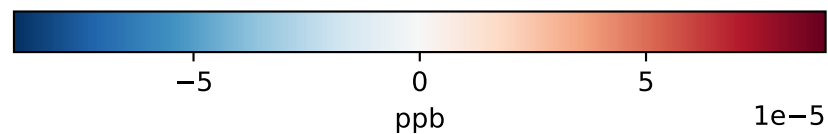
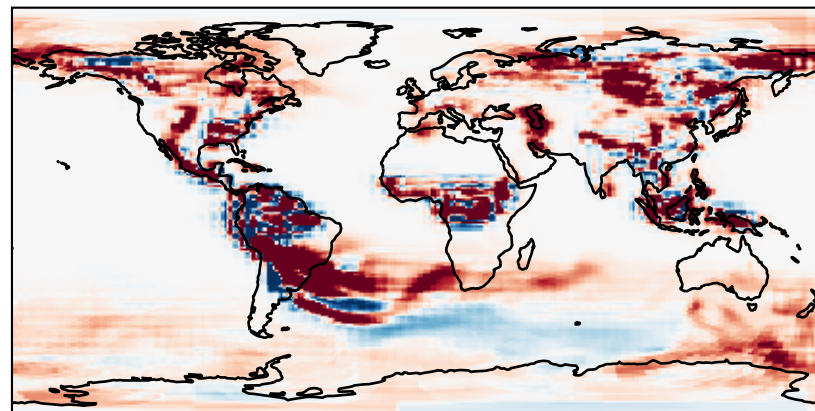
GCHP_13.1.0-beta.1 (Dev)
c48



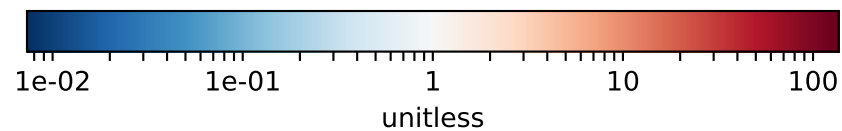
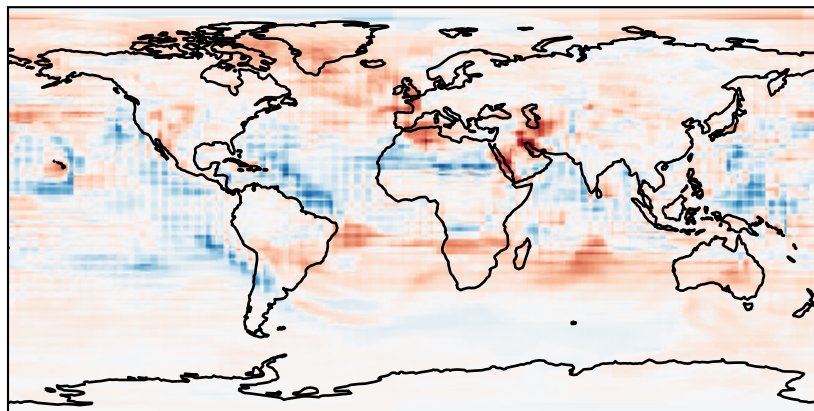
Difference (1x1.25)
Dev - Ref, Dynamic Range



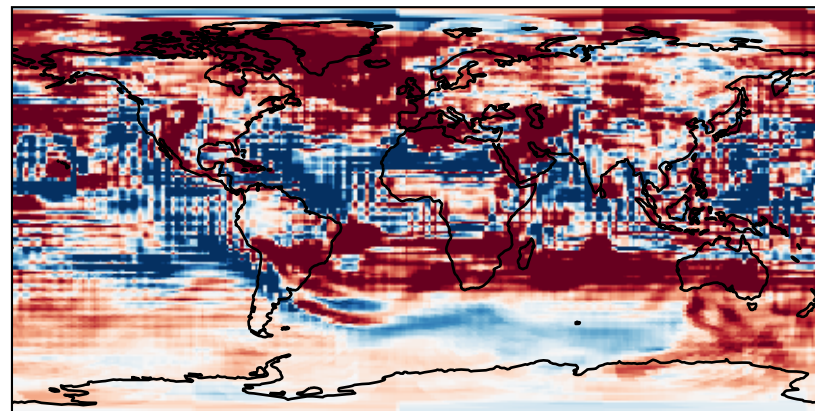
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

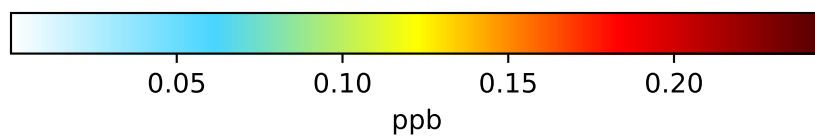
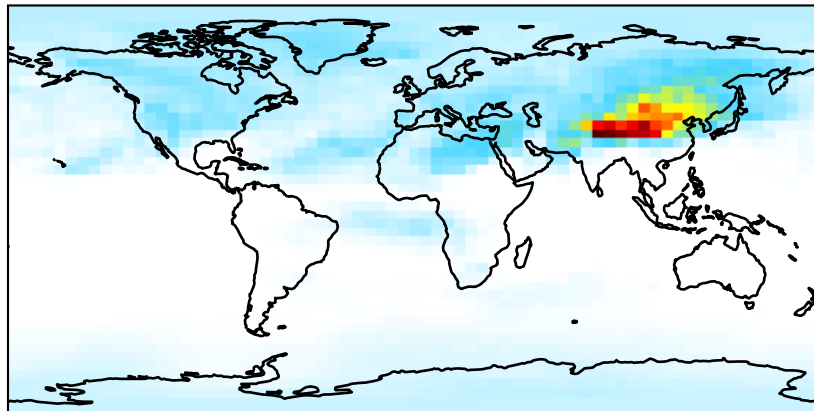


Ratio (1x1.25)
Dev/Ref, Fixed Range

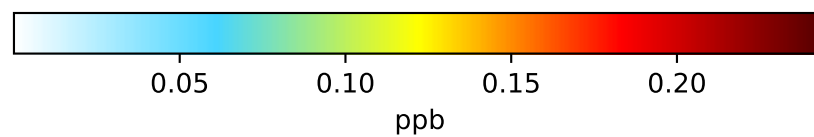
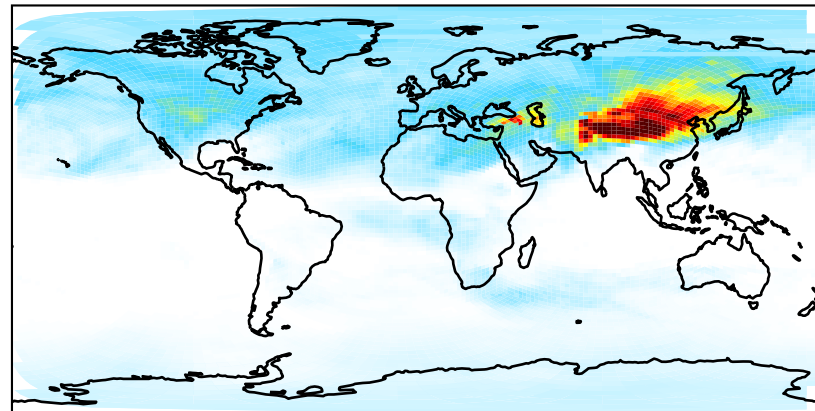


SpeciesConc_NIT

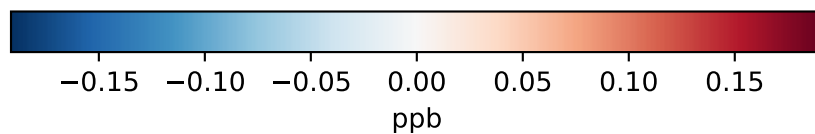
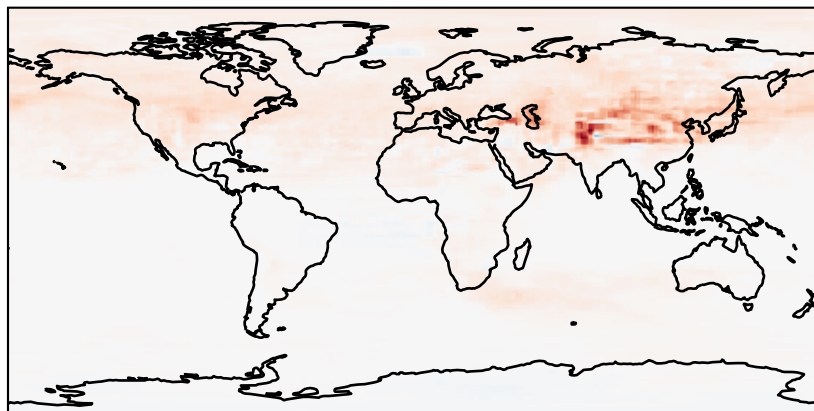
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



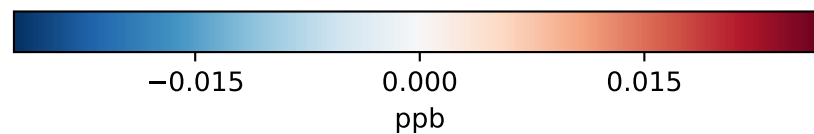
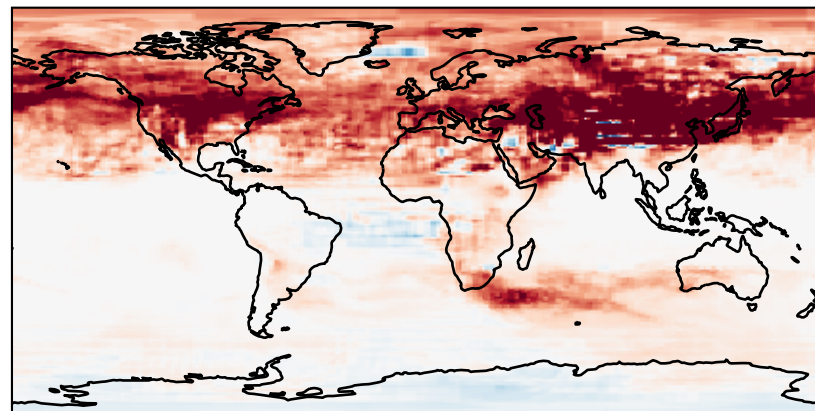
GCHP_13.1.0-beta.1 (Dev)
c48



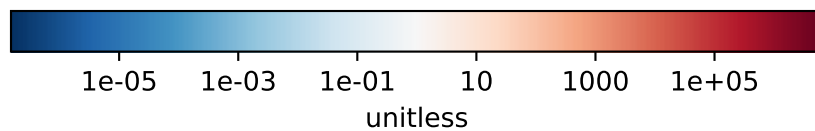
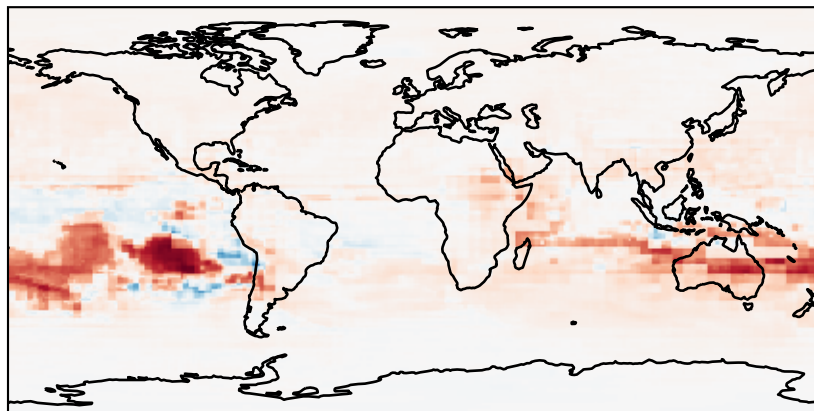
Difference (1x1.25)
Dev - Ref, Dynamic Range



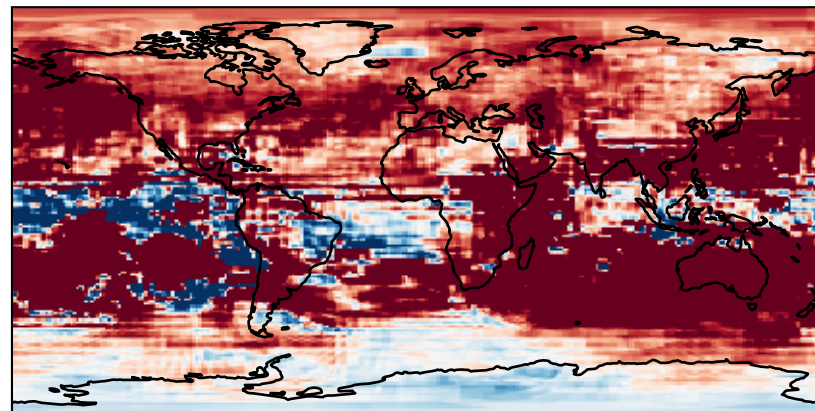
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

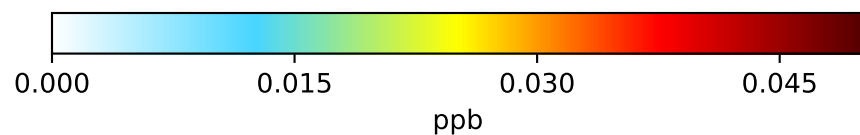
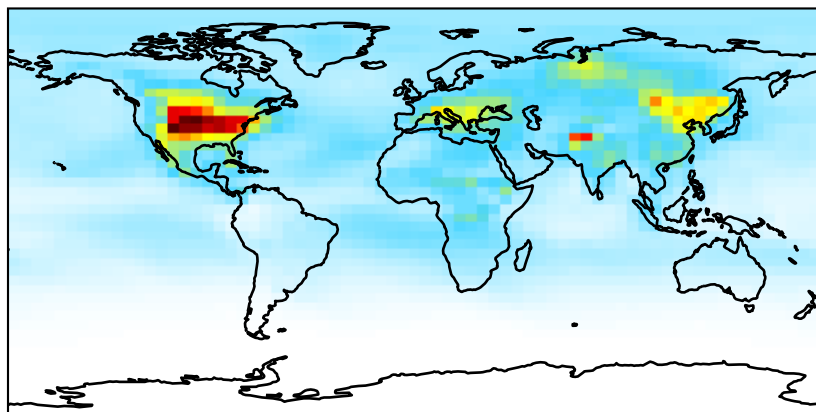


Ratio (1x1.25)
Dev/Ref, Fixed Range

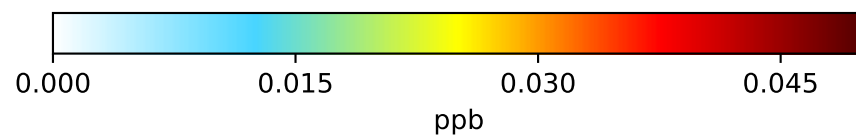
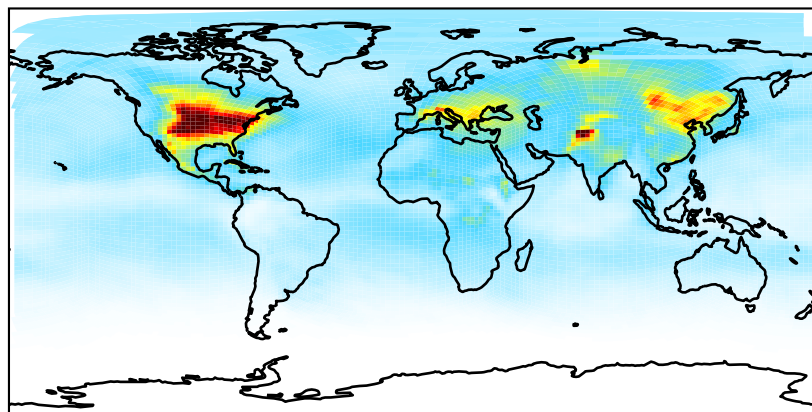


SpeciesConc_NO

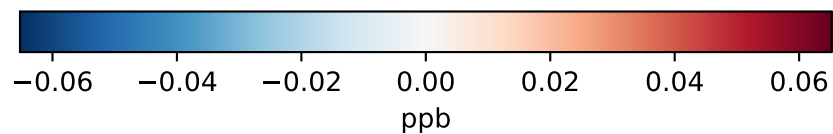
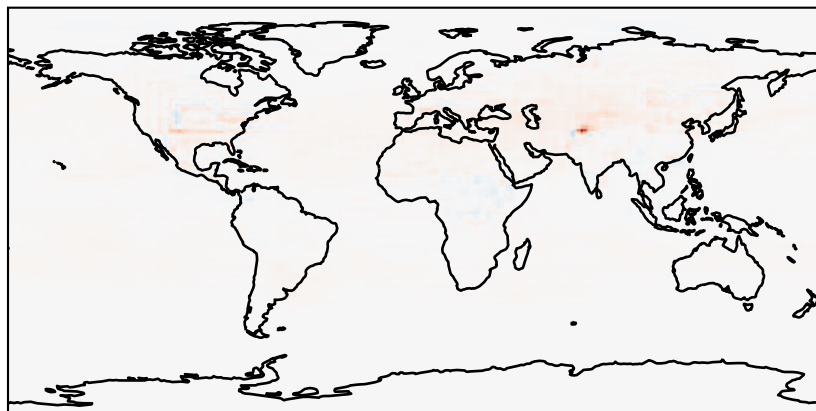
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



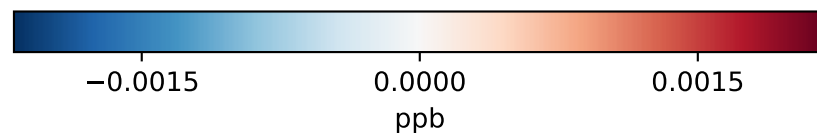
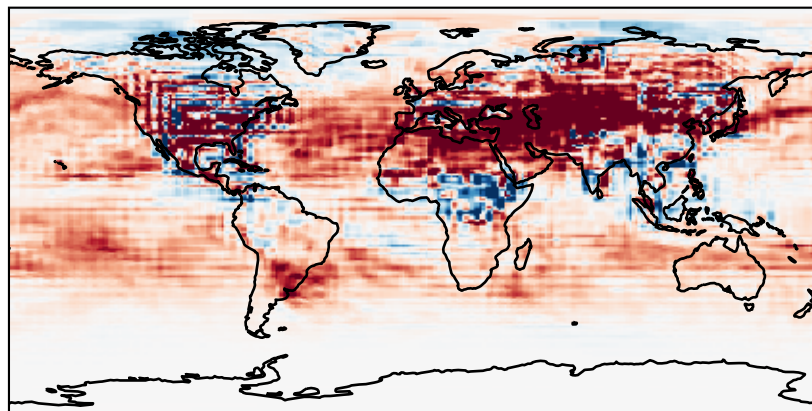
GCHP_13.1.0-beta.1 (Dev)
c48



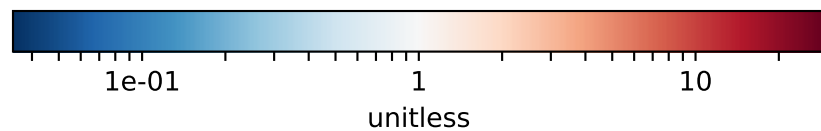
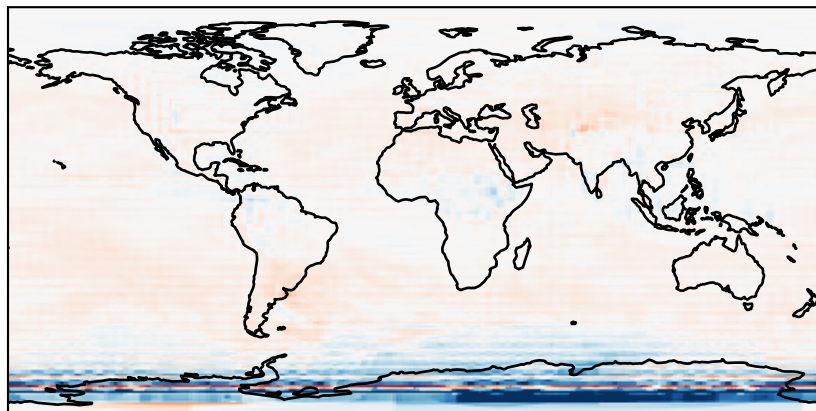
Difference (1x1.25)
Dev - Ref, Dynamic Range



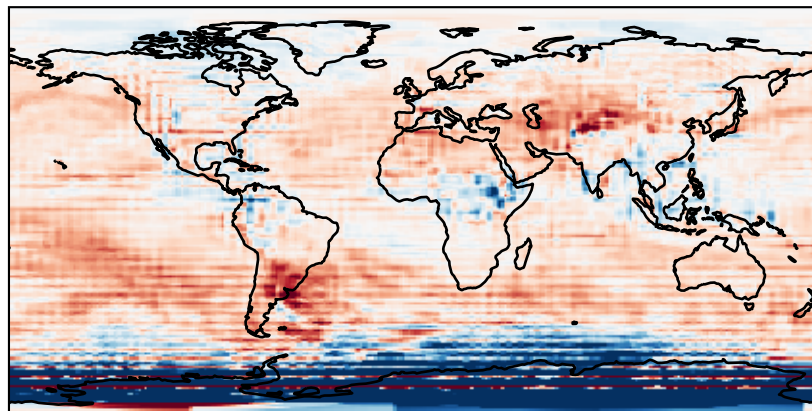
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

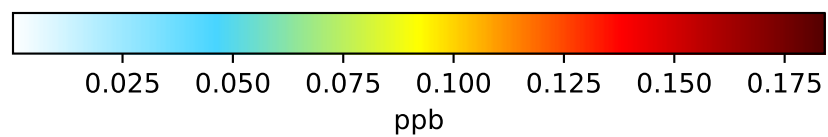
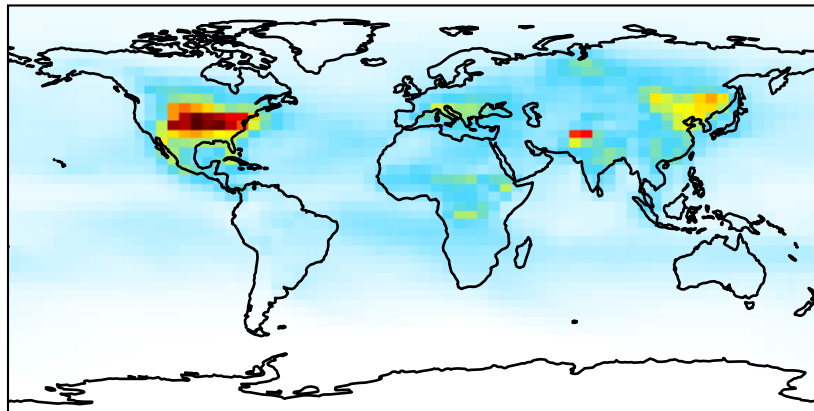


Ratio (1x1.25)
Dev/Ref, Fixed Range

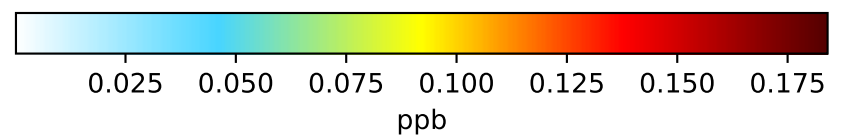
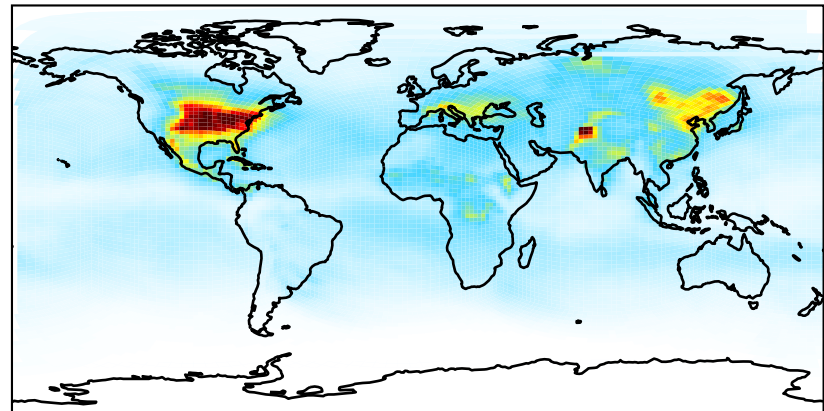


SpeciesConc_NO2

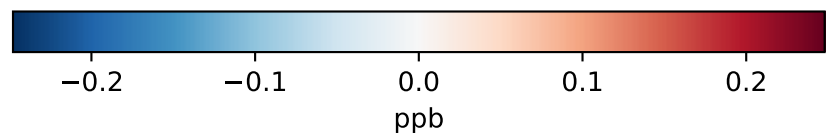
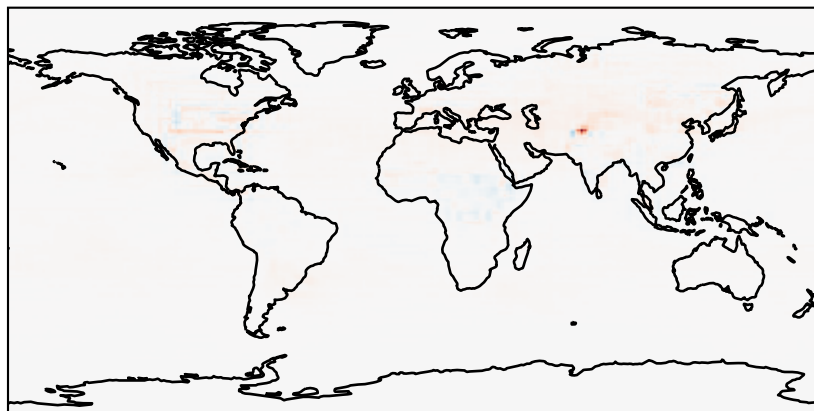
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



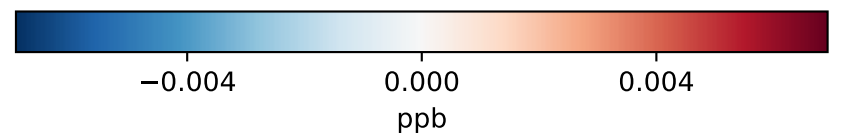
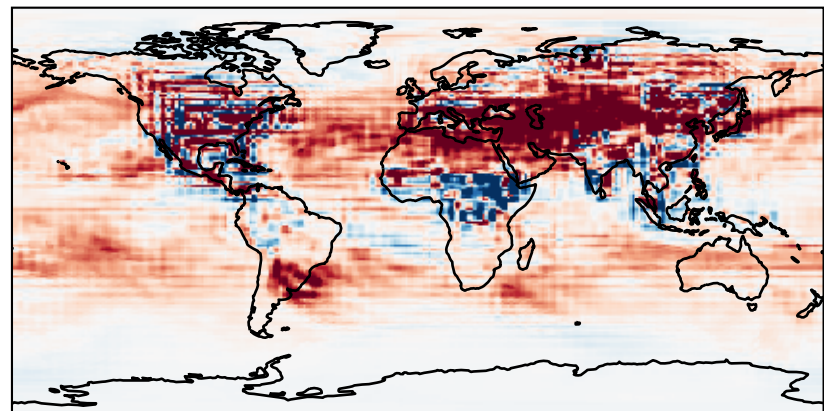
GCHP_13.1.0-beta.1 (Dev)
c48



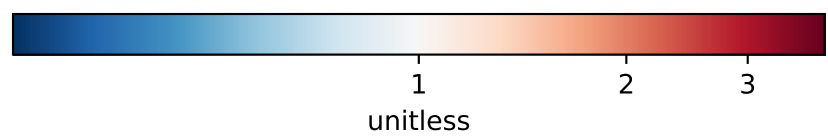
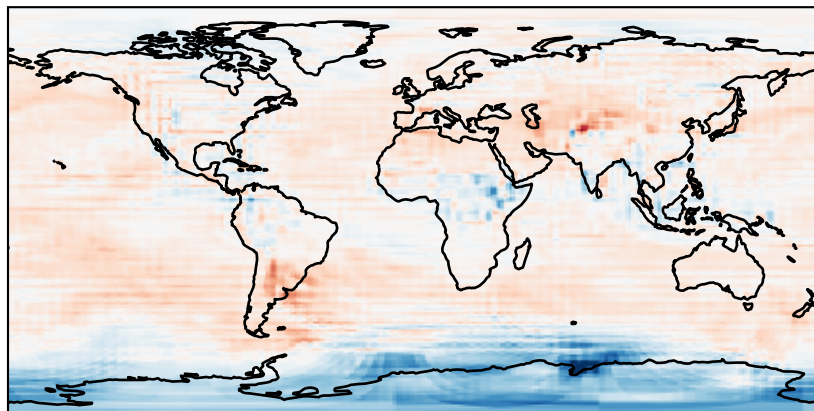
Difference (1x1.25)
Dev - Ref, Dynamic Range



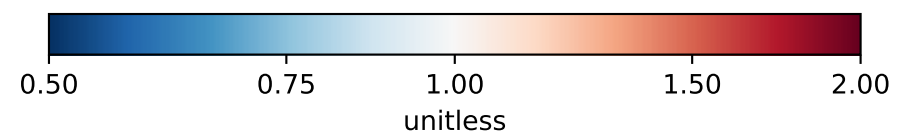
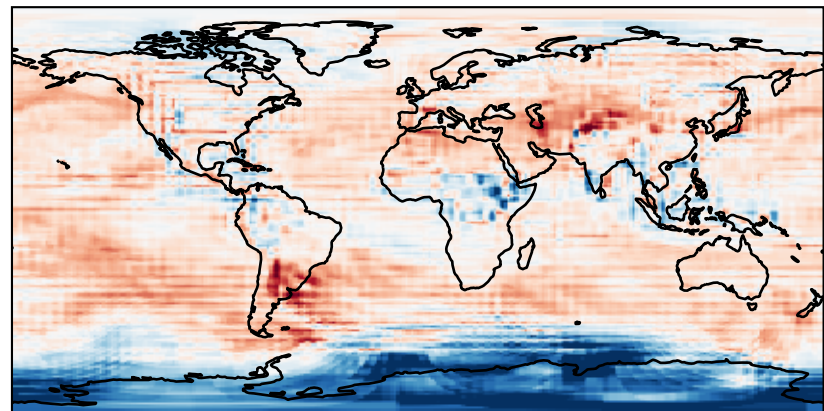
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

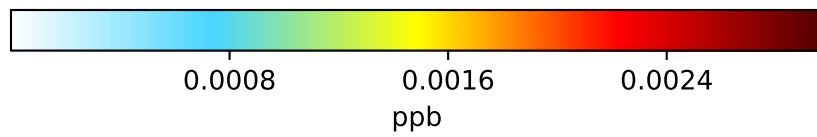
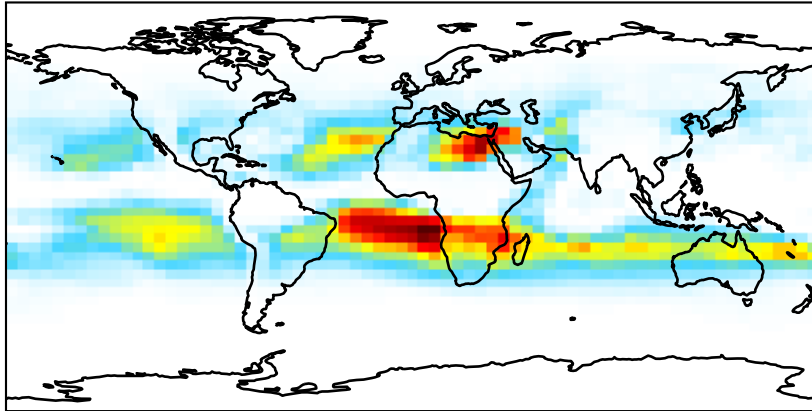


Ratio (1x1.25)
Dev/Ref, Fixed Range

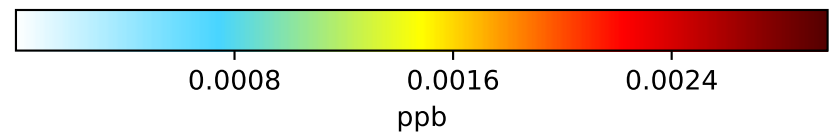
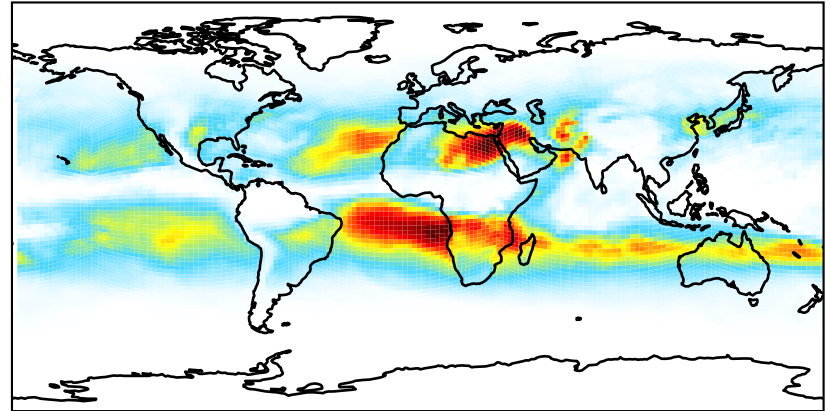


SpeciesConc_NO3

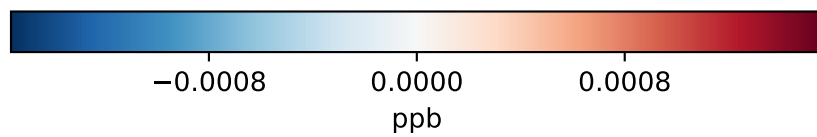
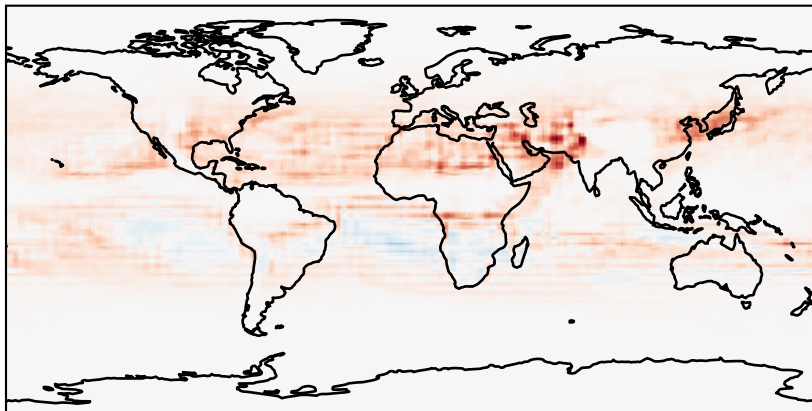
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



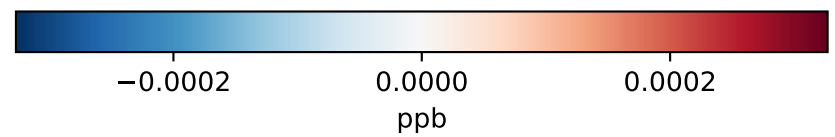
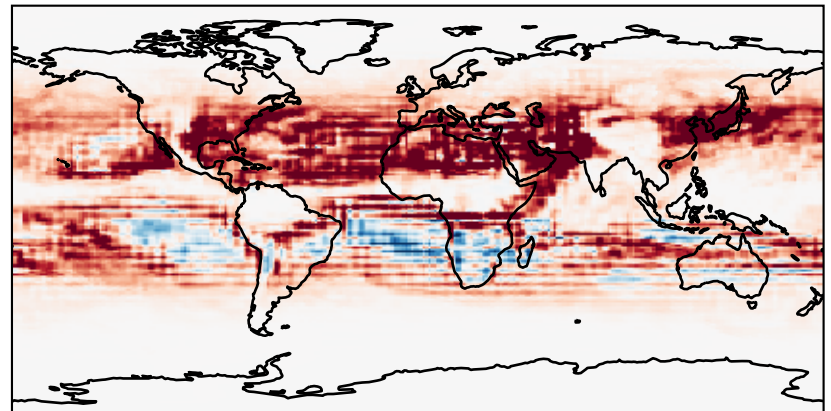
GCHP_13.1.0-beta.1 (Dev)
c48



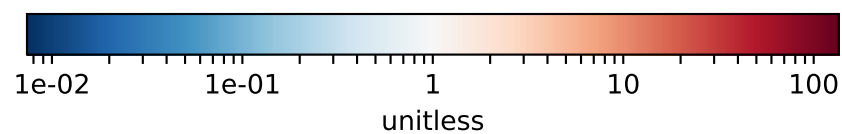
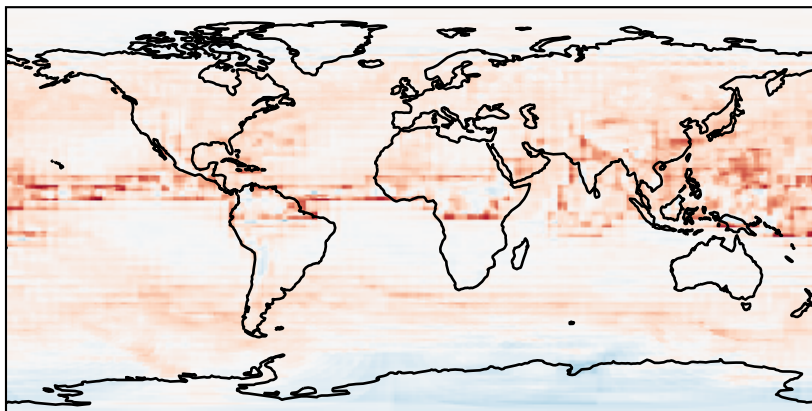
Difference (1x1.25)
Dev - Ref, Dynamic Range



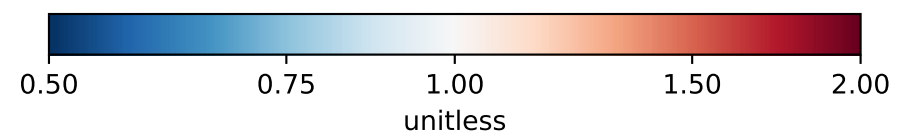
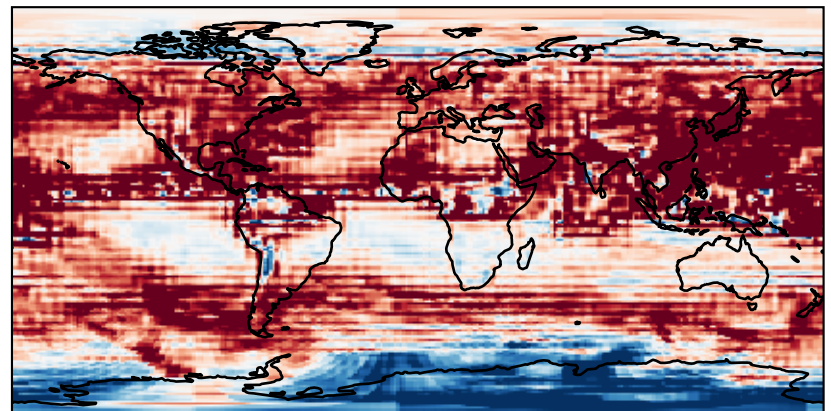
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

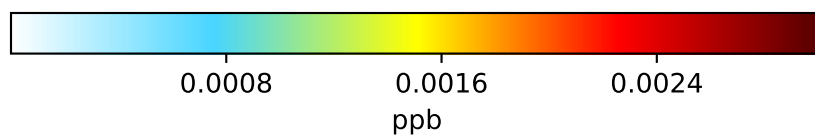
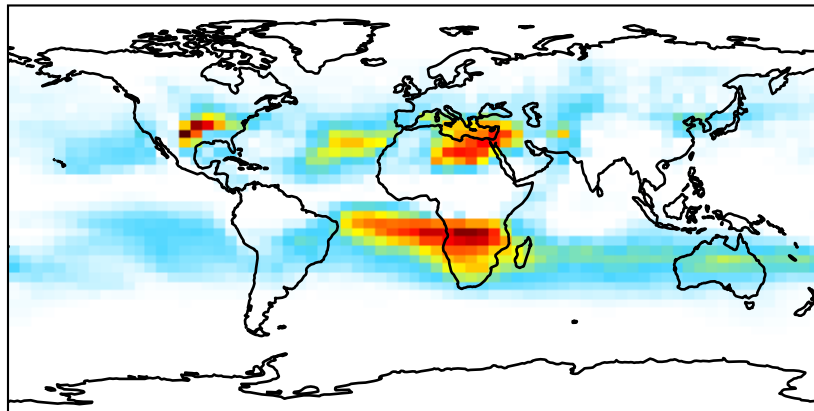


Ratio (1x1.25)
Dev/Ref, Fixed Range

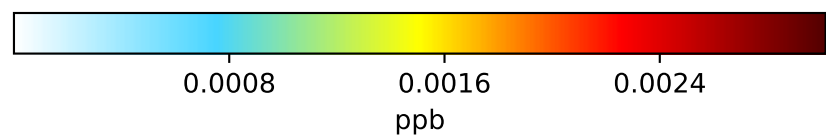
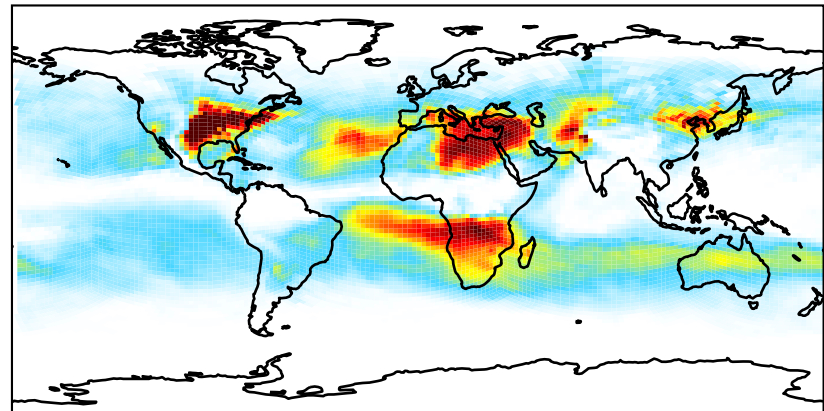


SpeciesConc_N2O5

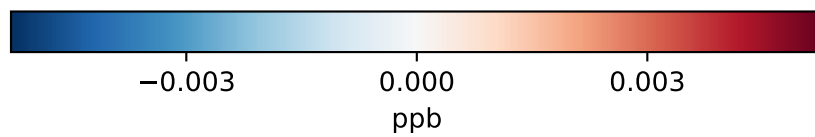
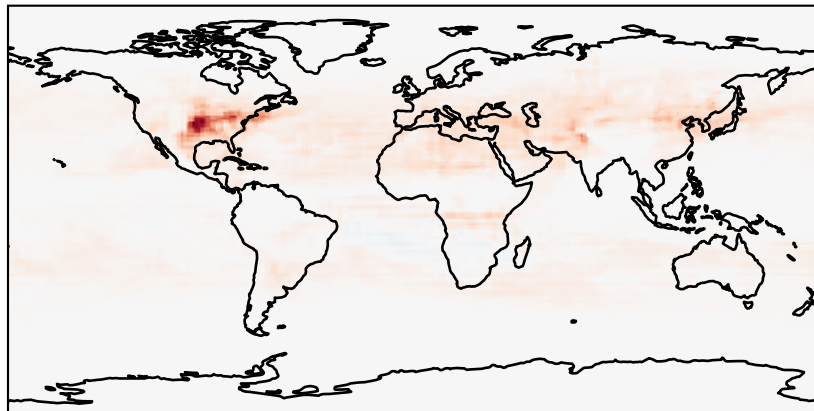
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



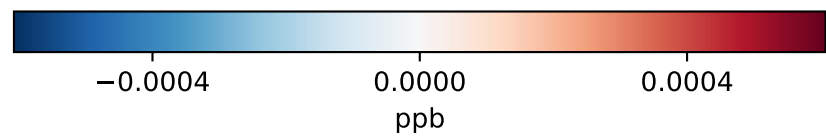
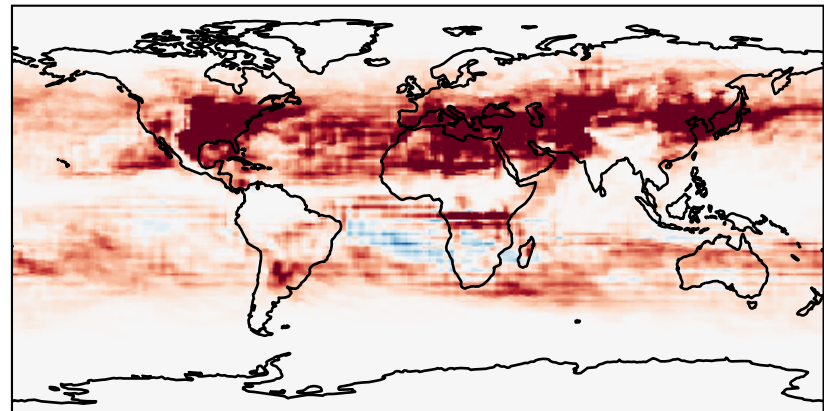
GCHP_13.1.0-beta.1 (Dev)
c48



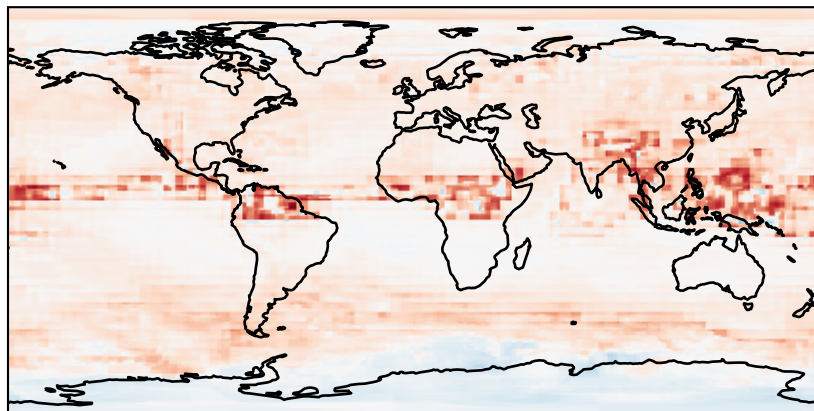
Difference (1x1.25)
Dev - Ref, Dynamic Range



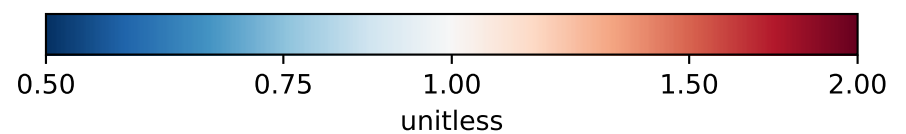
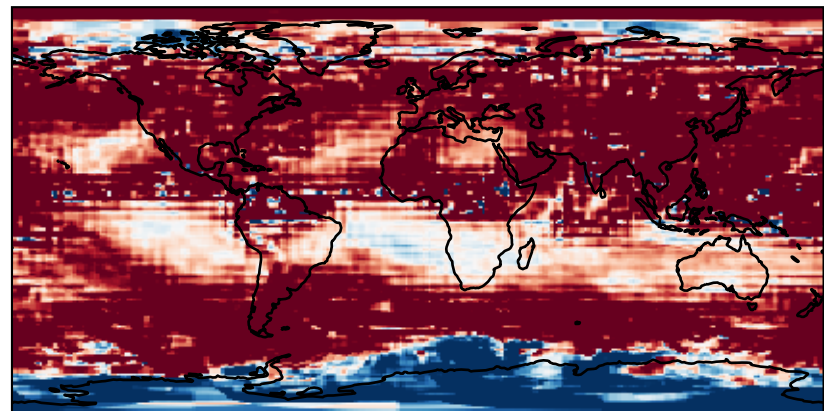
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

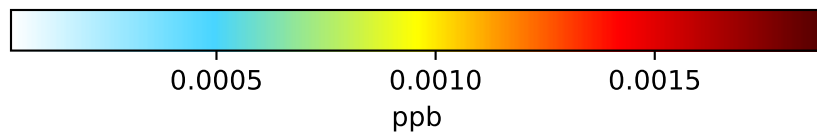
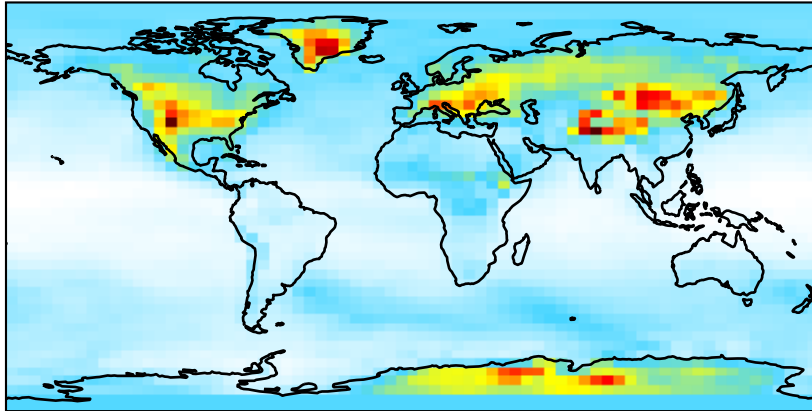


Ratio (1x1.25)
Dev/Ref, Fixed Range

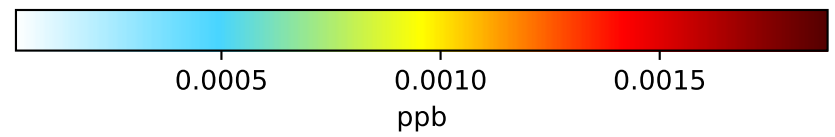
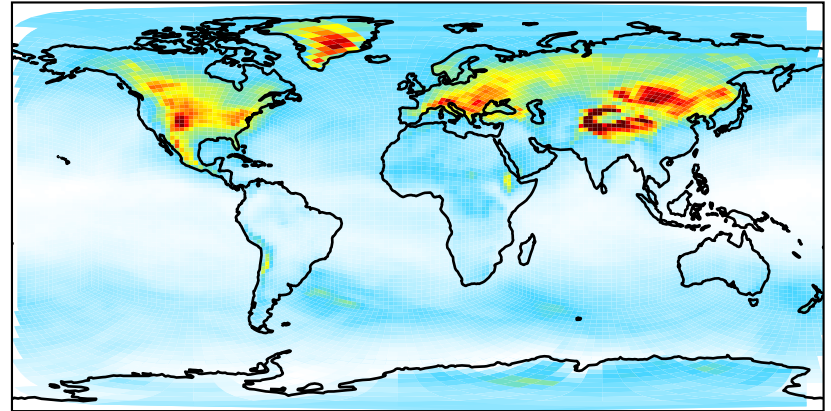


SpeciesConc_MPN

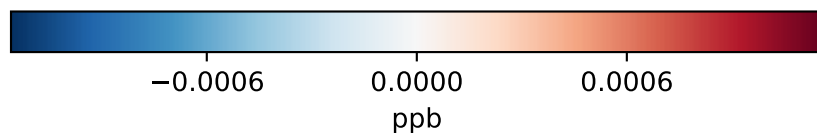
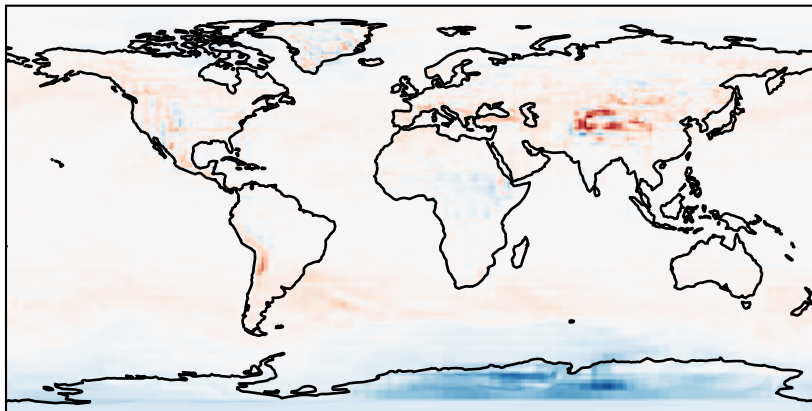
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



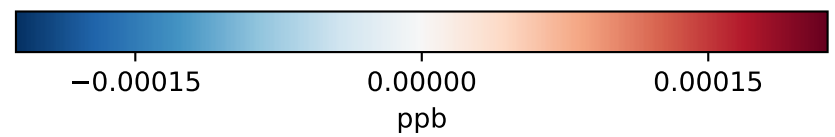
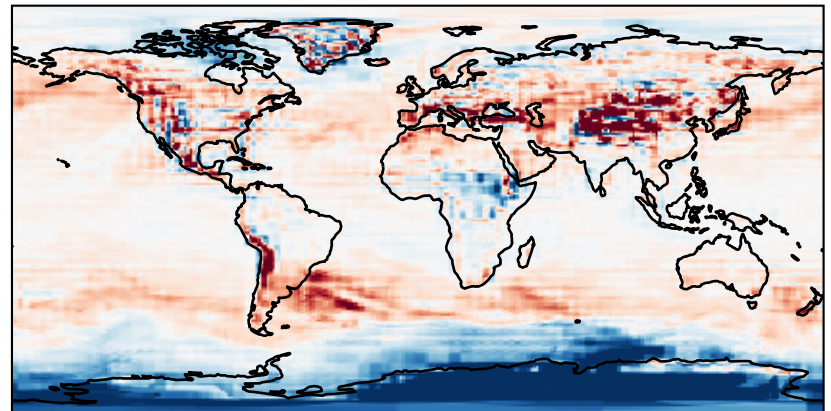
GCHP_13.1.0-beta.1 (Dev)
c48



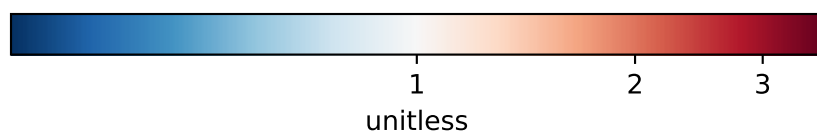
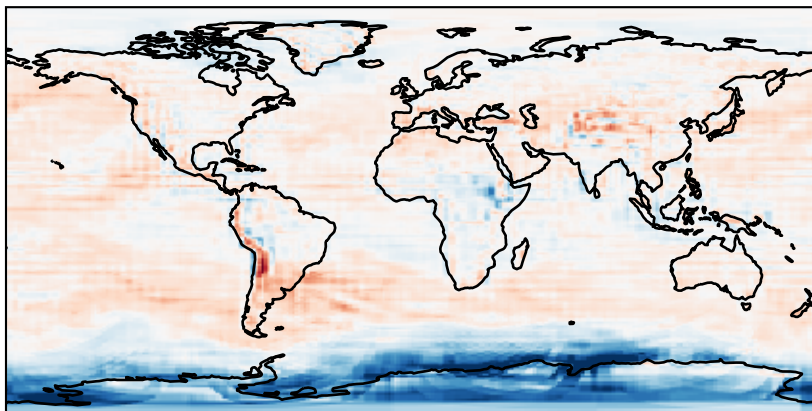
Difference (1x1.25)
Dev - Ref, Dynamic Range



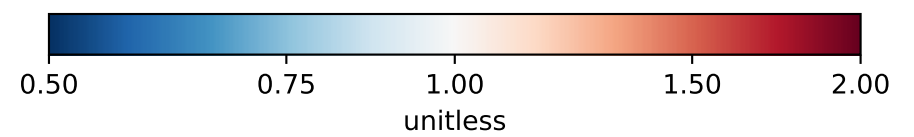
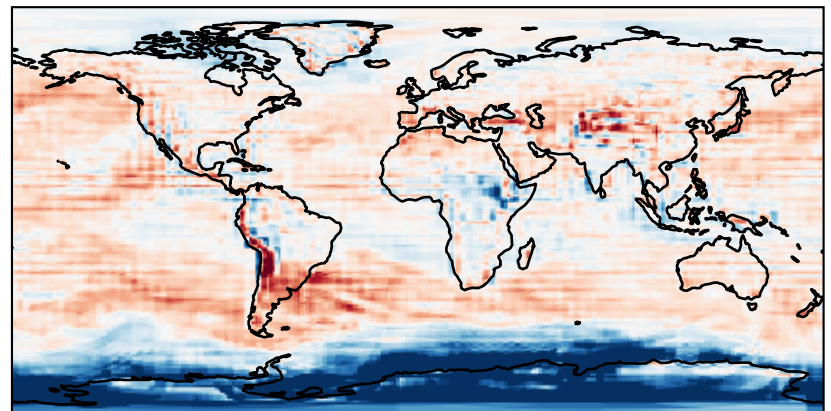
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

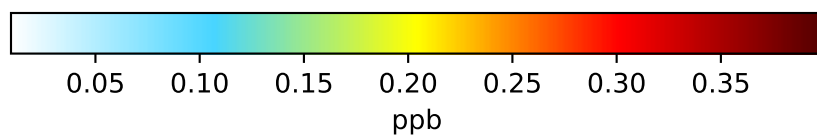
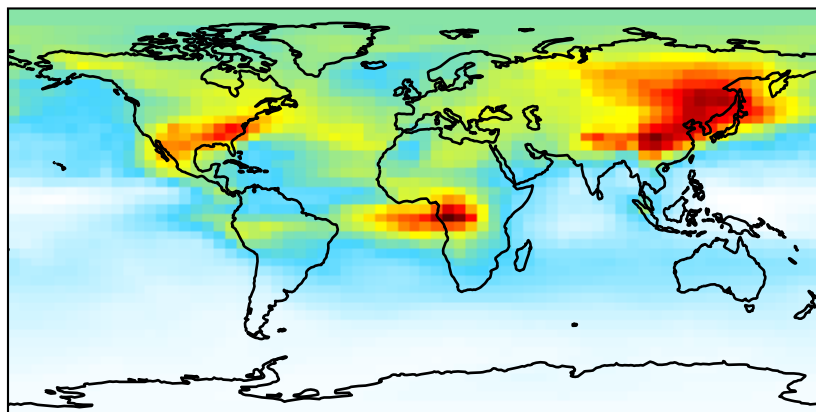


Ratio (1x1.25)
Dev/Ref, Fixed Range

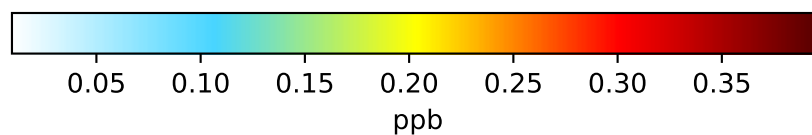
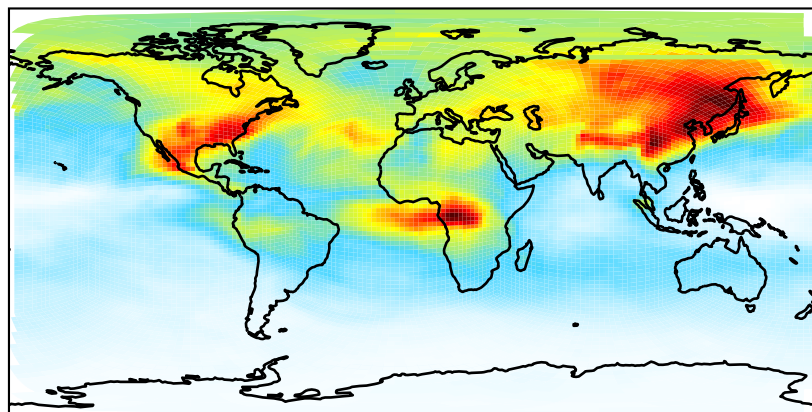


SpeciesConc_PAN

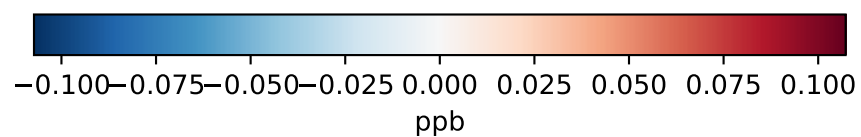
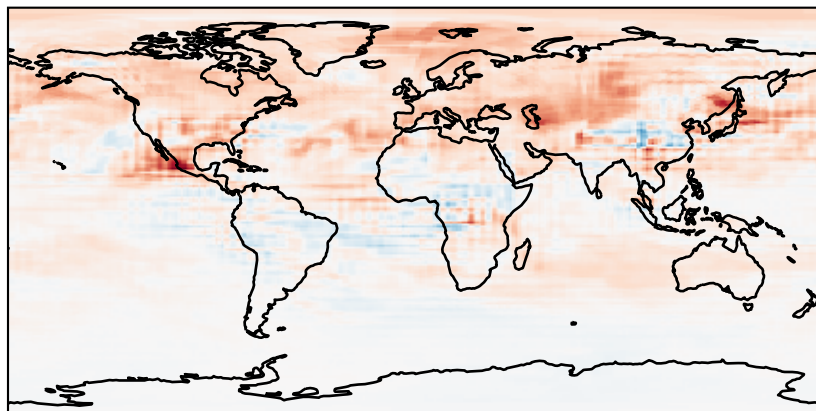
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



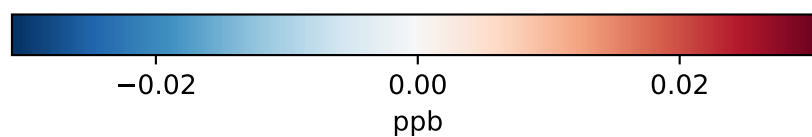
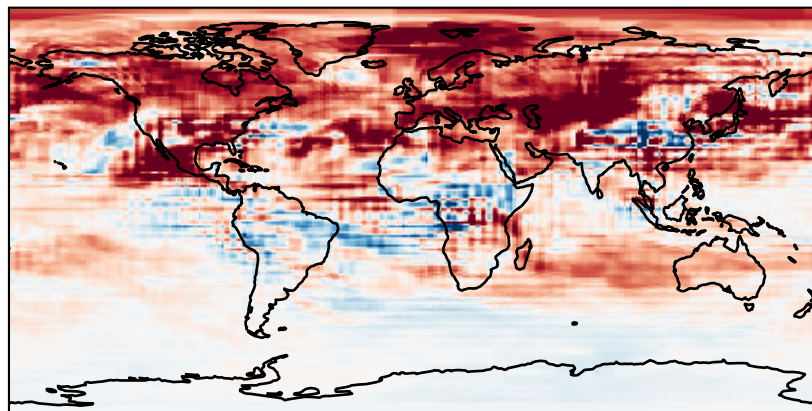
GCHP_13.1.0-beta.1 (Dev)
c48



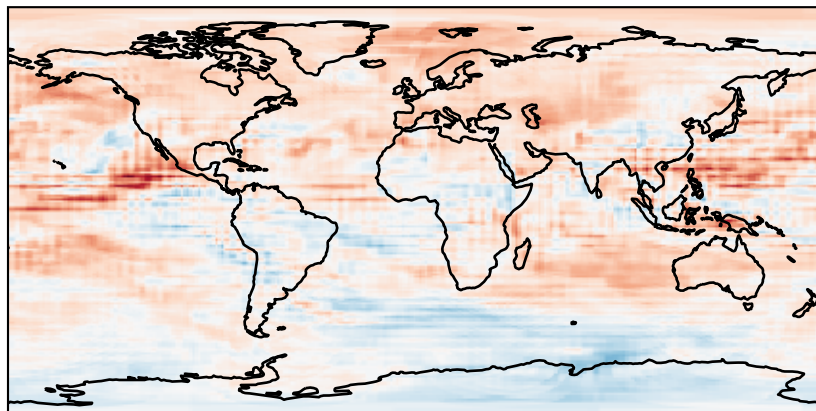
Difference (1x1.25)
Dev - Ref, Dynamic Range



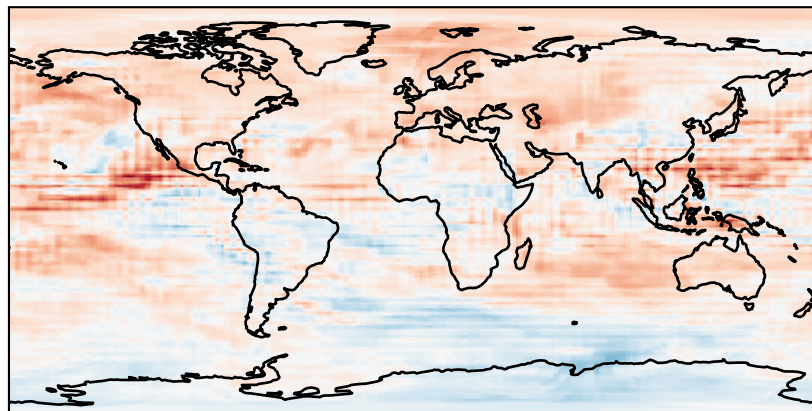
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

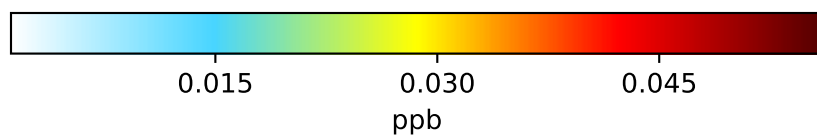
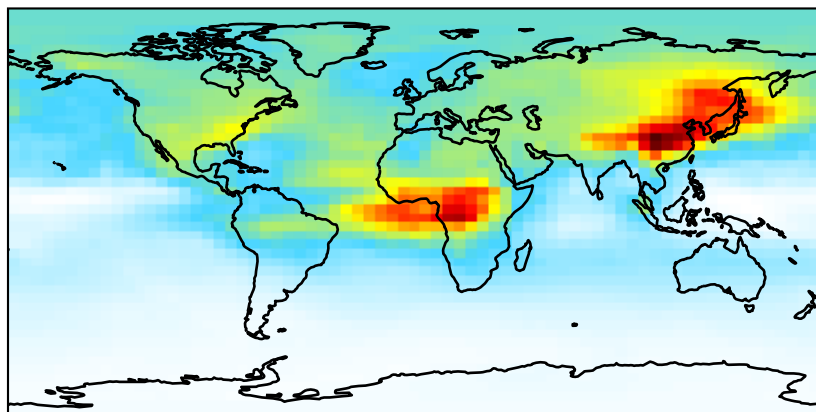


Ratio (1x1.25)
Dev/Ref, Fixed Range

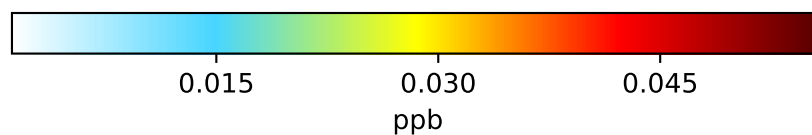
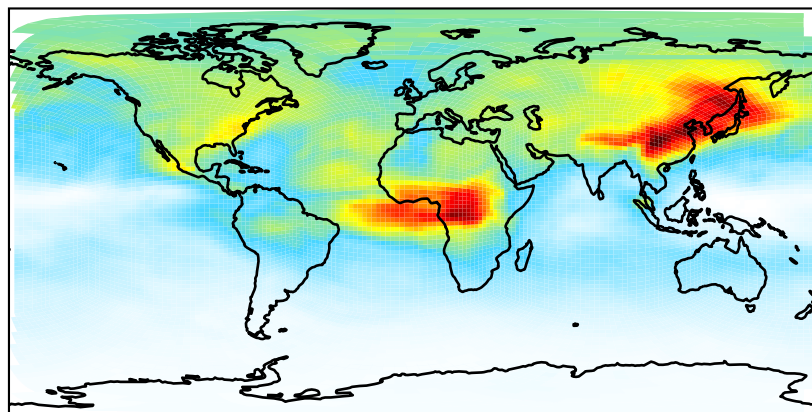


SpeciesConc_PPN

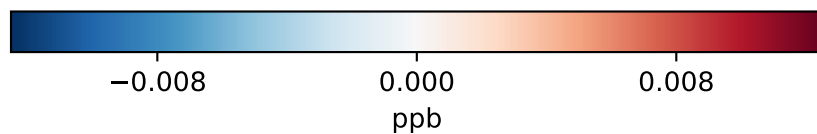
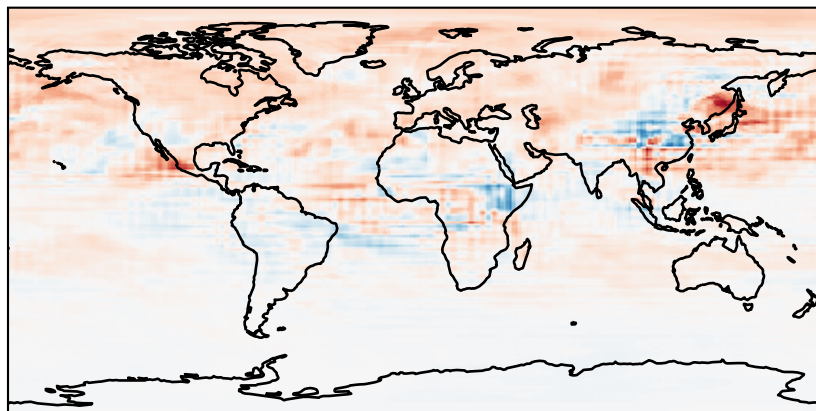
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



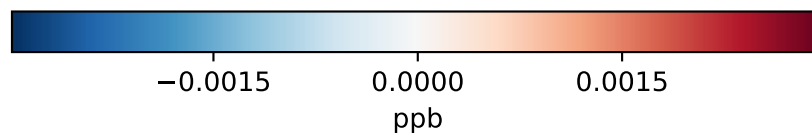
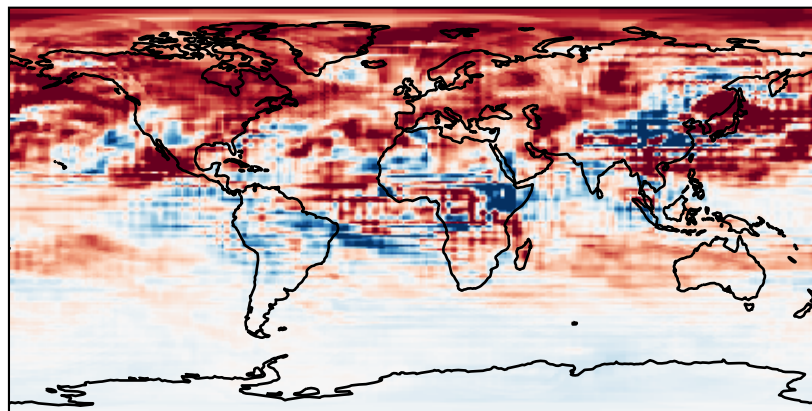
GCHP_13.1.0-beta.1 (Dev)
c48



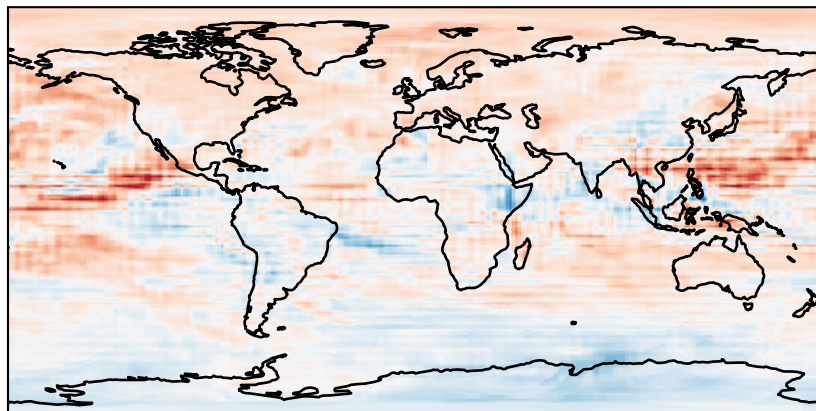
Difference (1x1.25)
Dev - Ref, Dynamic Range



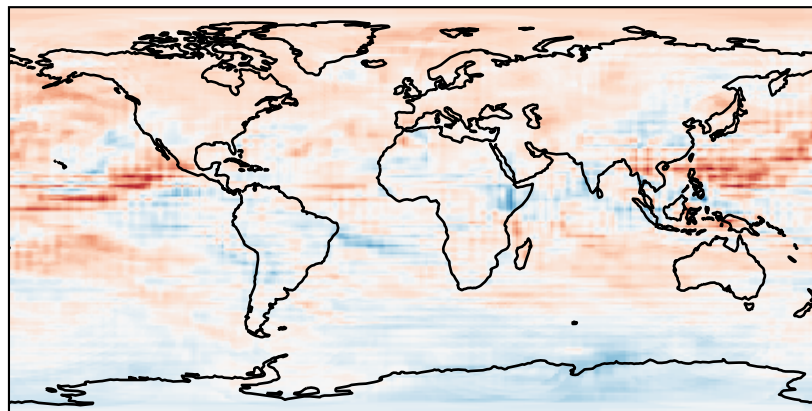
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

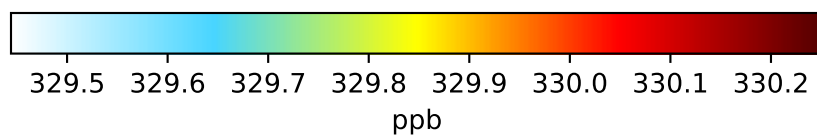
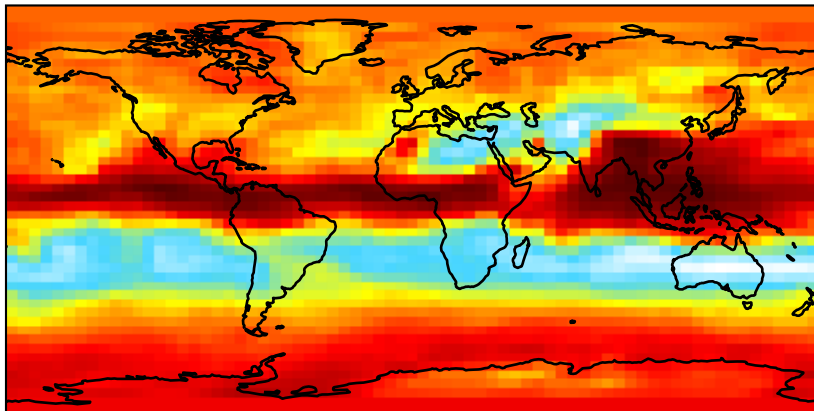


Ratio (1x1.25)
Dev/Ref, Fixed Range

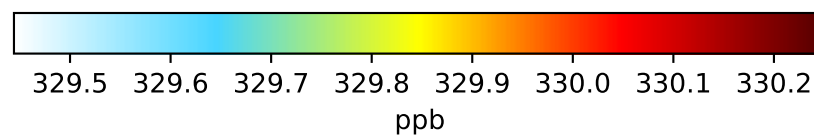
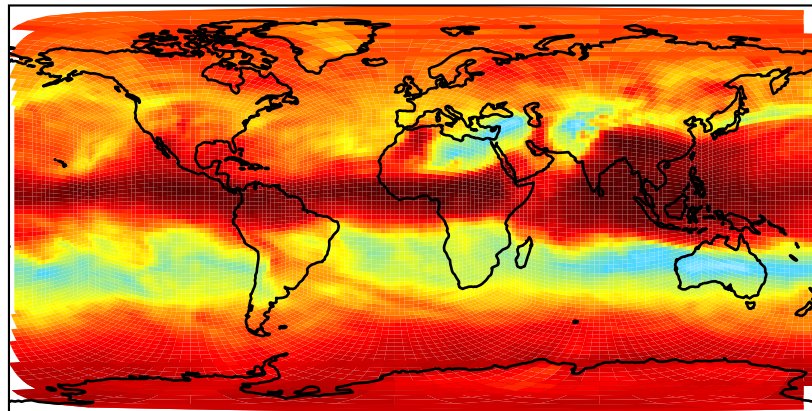


SpeciesConc_N2O

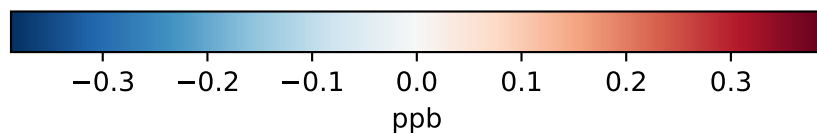
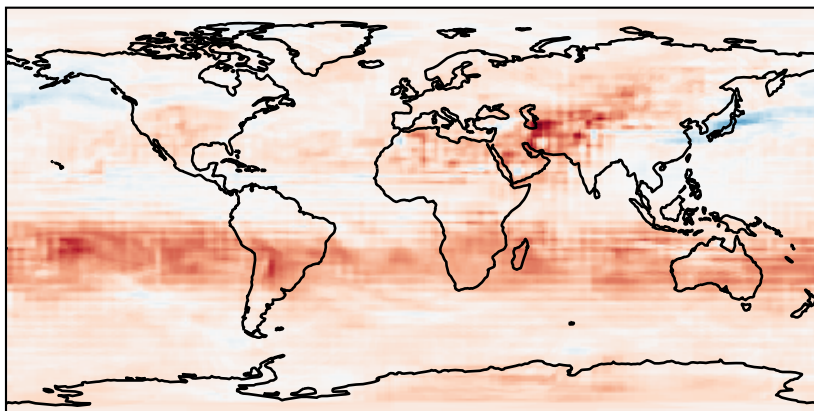
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



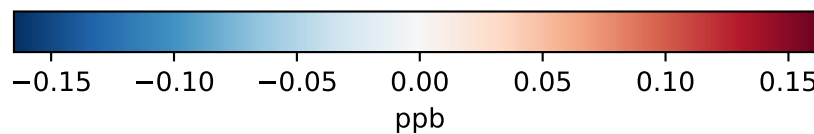
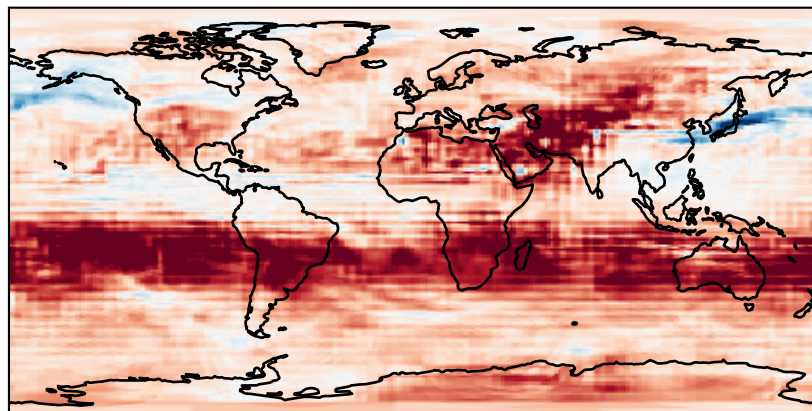
GCHP_13.1.0-beta.1 (Dev)
c48



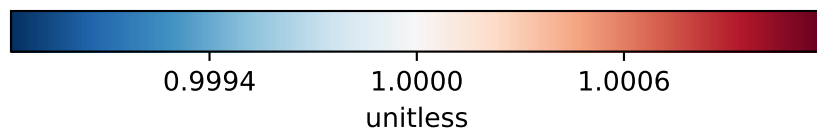
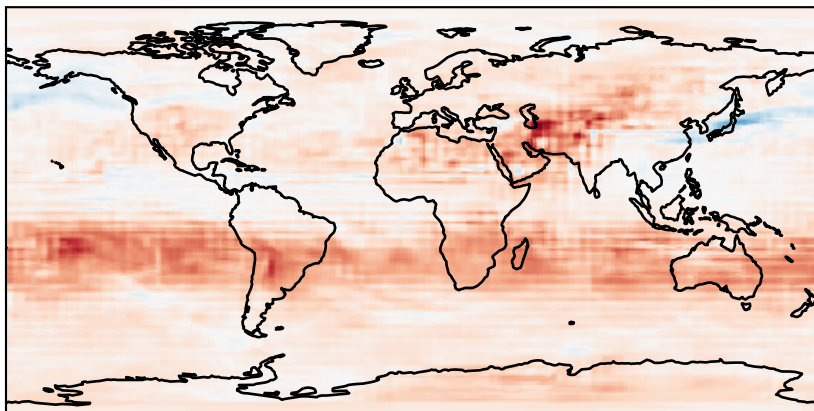
Difference (1x1.25)
Dev - Ref, Dynamic Range



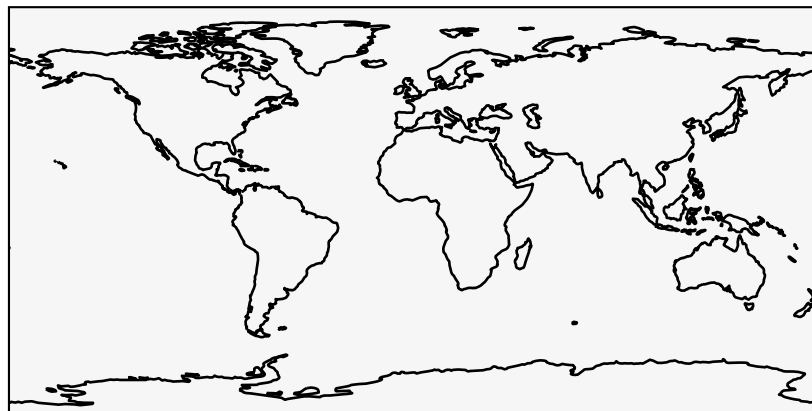
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

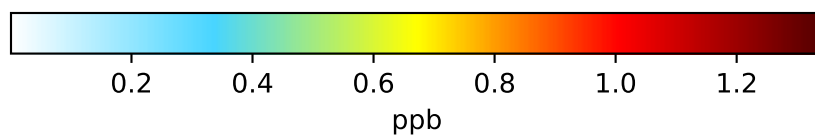
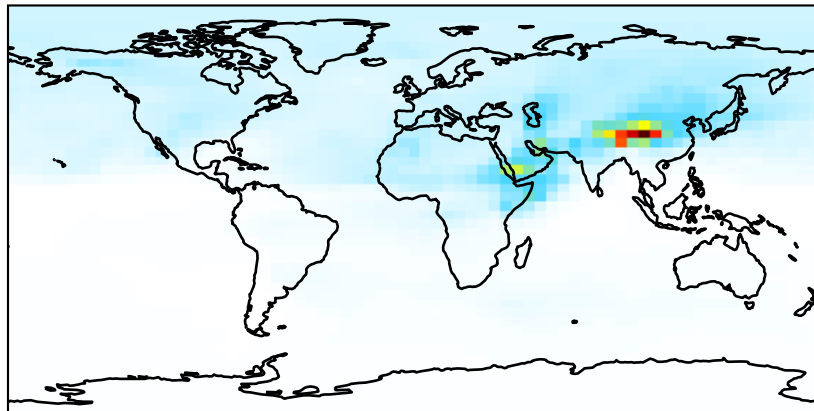


Ratio (1x1.25)
Dev/Ref, Fixed Range

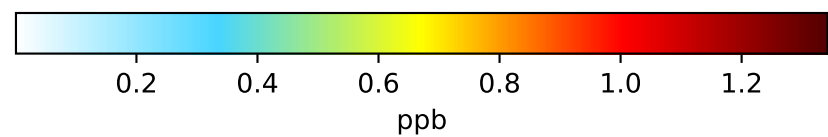
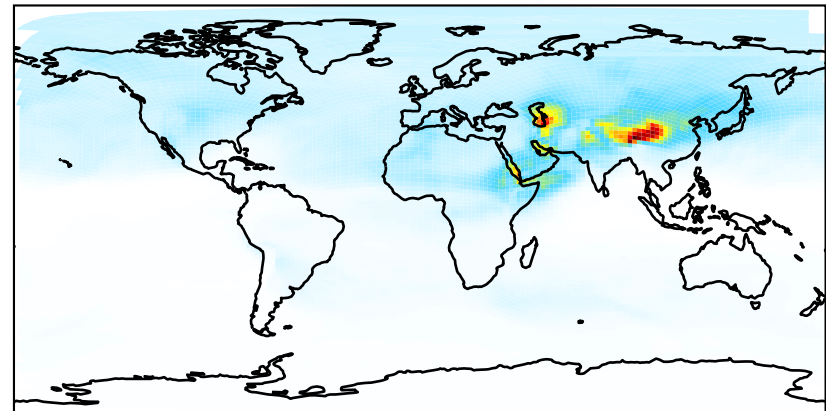


SpeciesConc_NHx

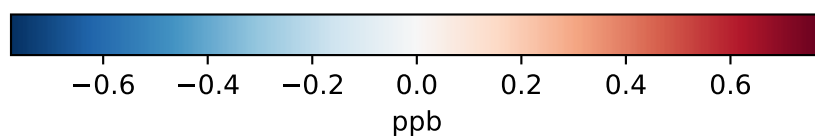
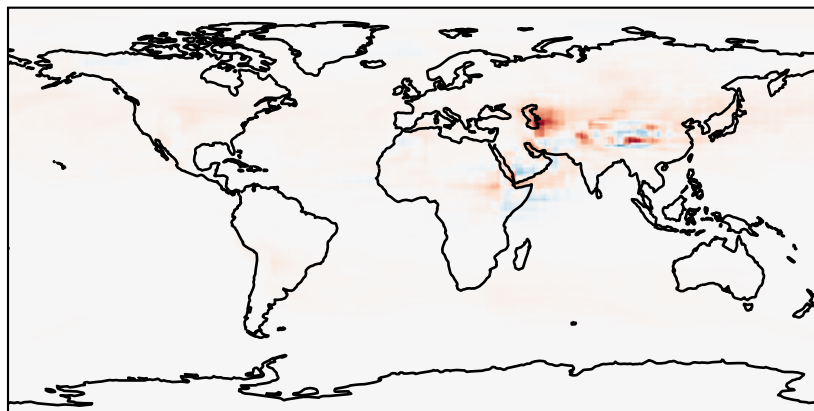
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



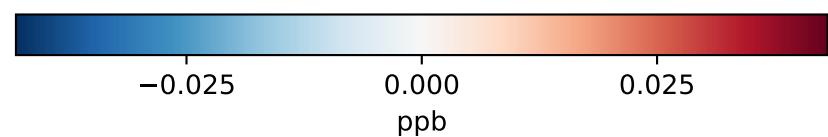
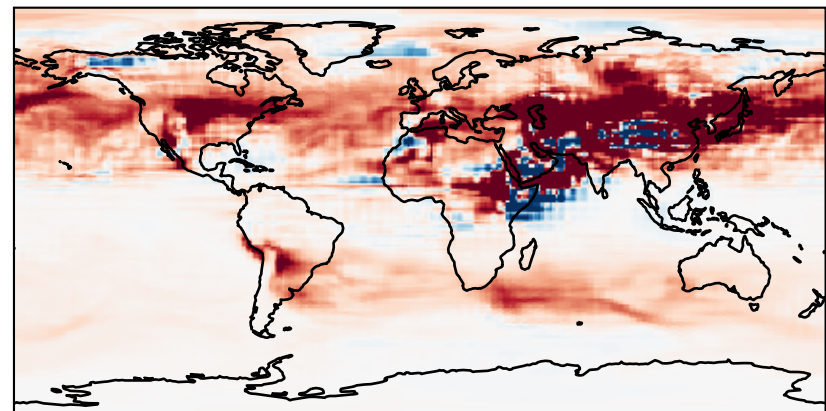
GCHP_13.1.0-beta.1 (Dev)
c48



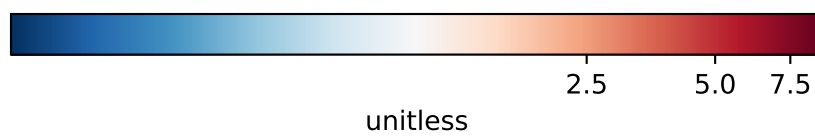
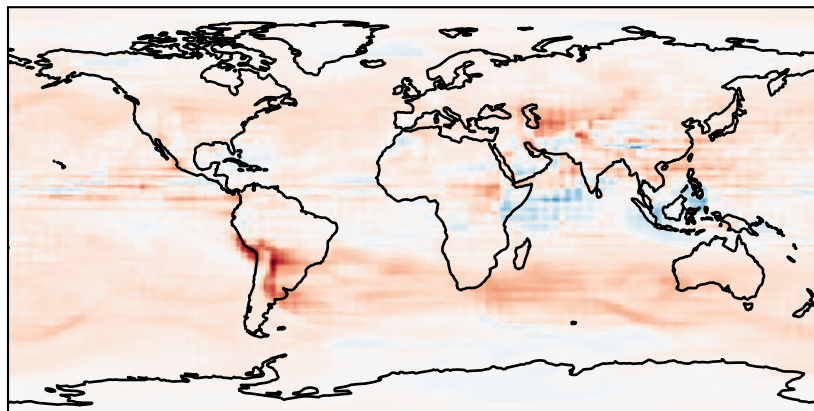
Difference (1x1.25)
Dev - Ref, Dynamic Range



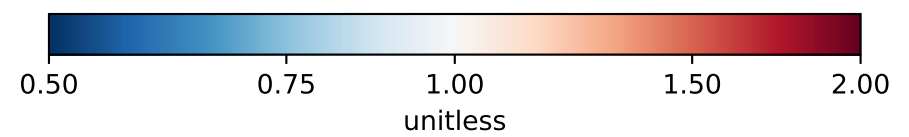
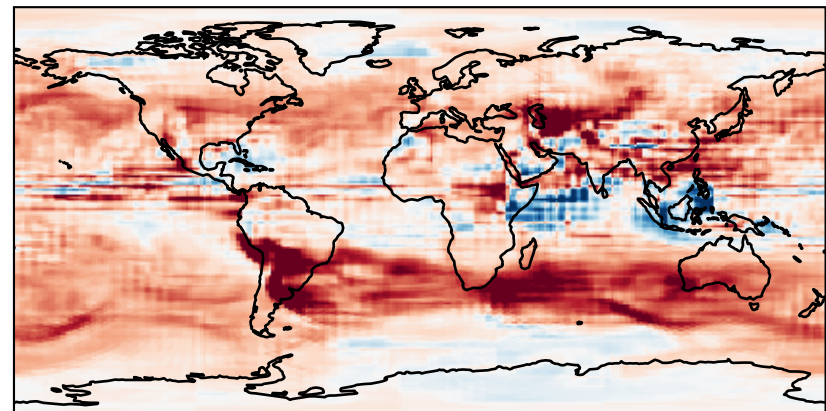
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

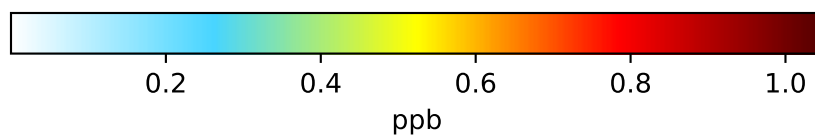
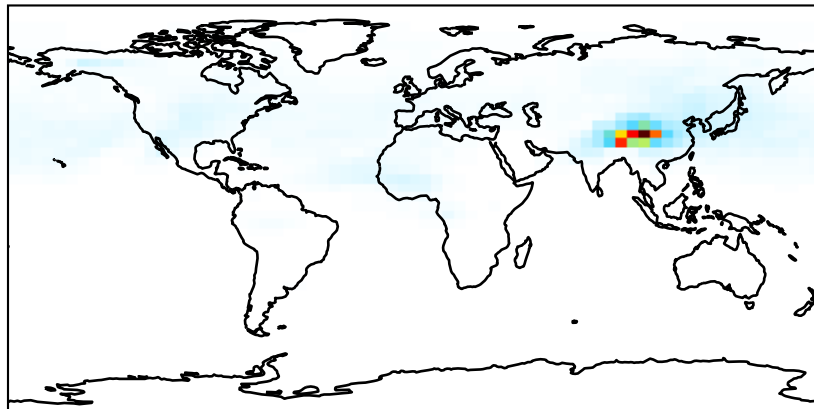


Ratio (1x1.25)
Dev/Ref, Fixed Range

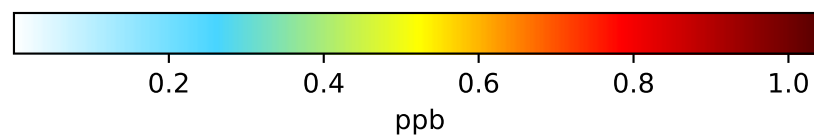
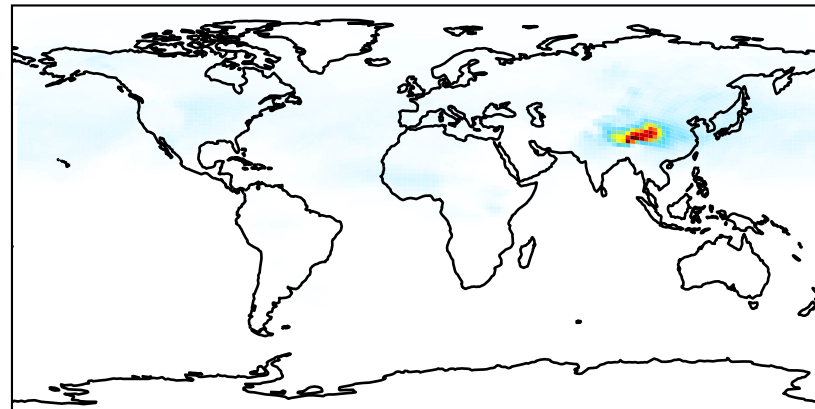


SpeciesConc_NH3

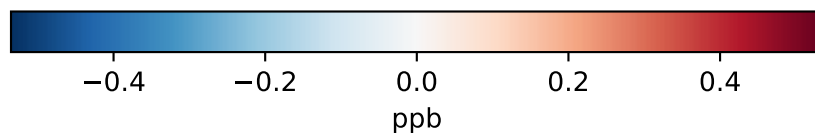
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



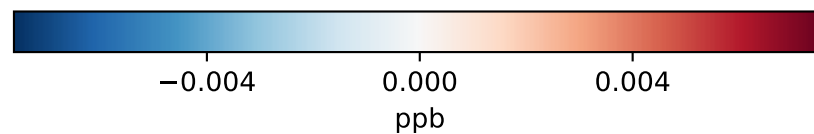
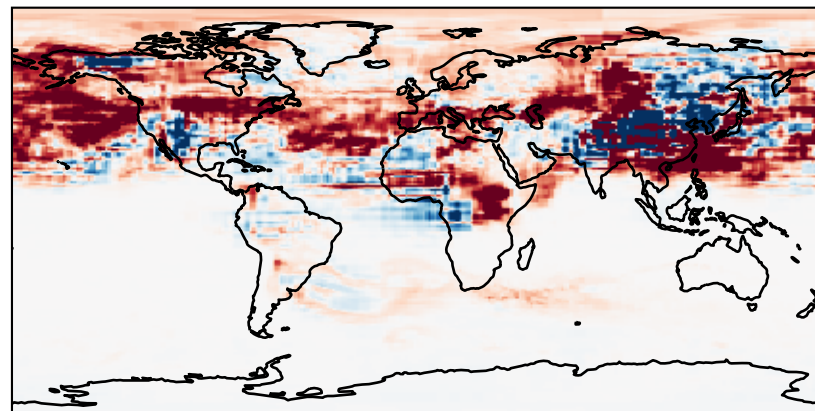
GCHP_13.1.0-beta.1 (Dev)
c48



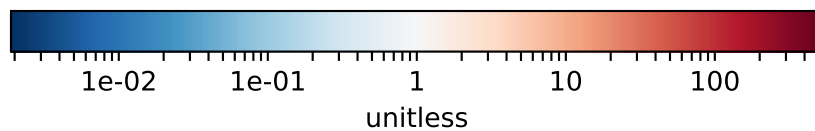
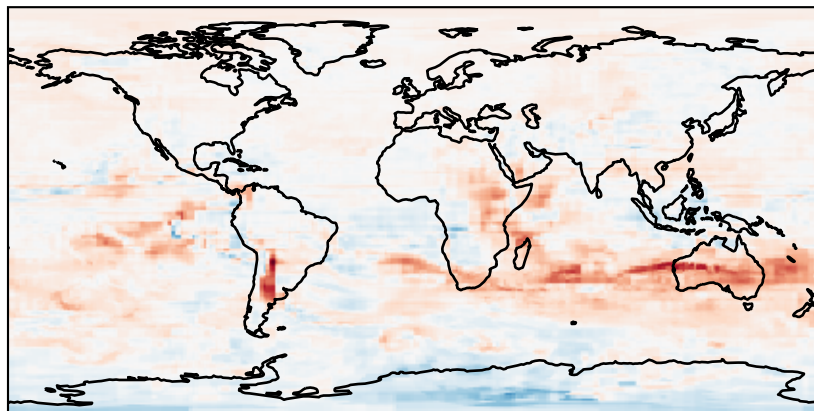
Difference (1x1.25)
Dev - Ref, Dynamic Range



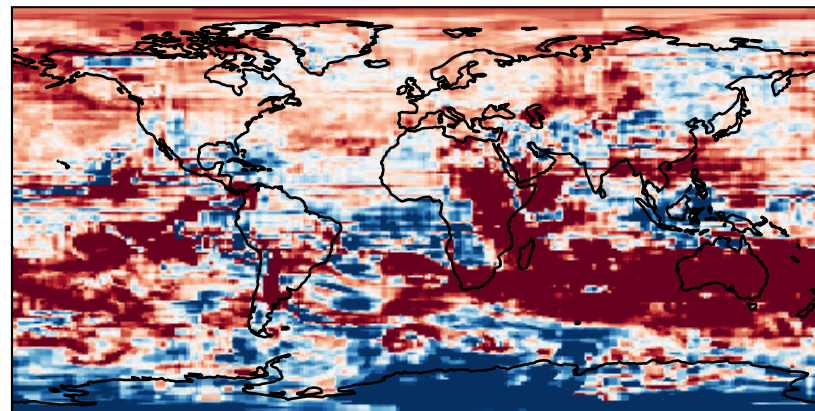
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

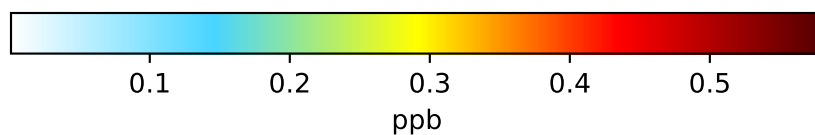
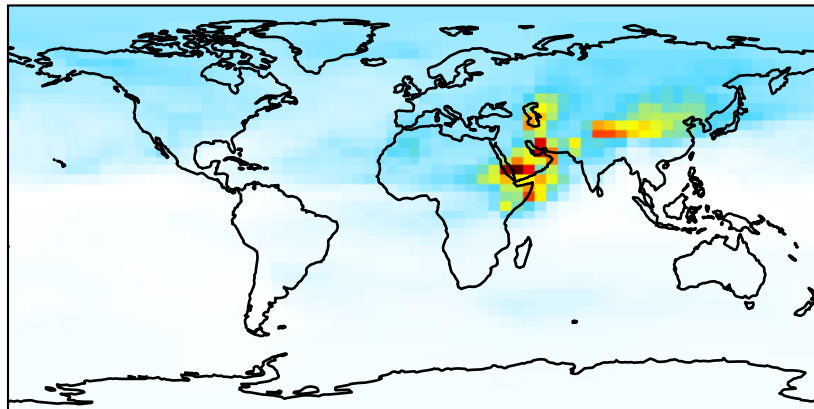


Ratio (1x1.25)
Dev/Ref, Fixed Range

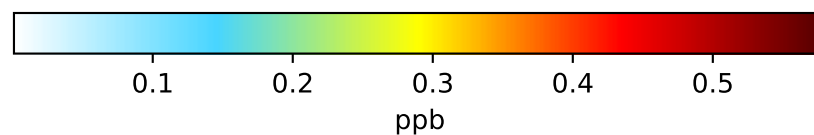
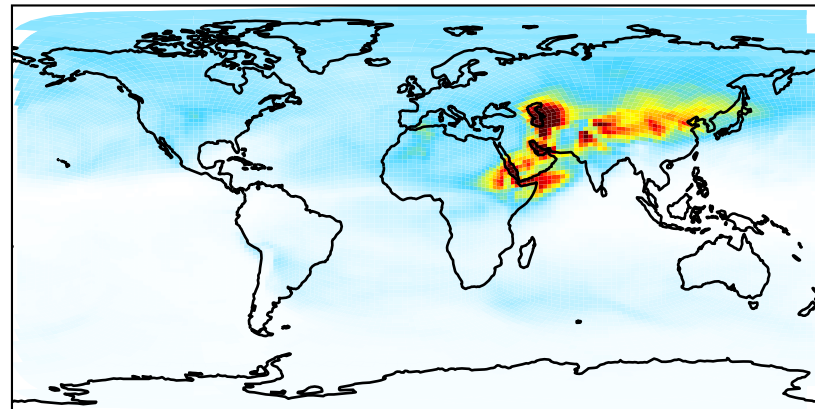


SpeciesConc_NH4

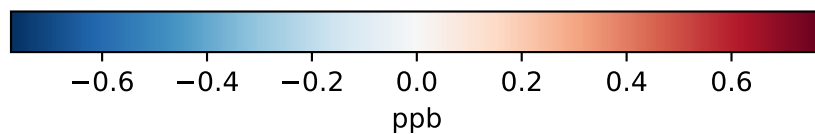
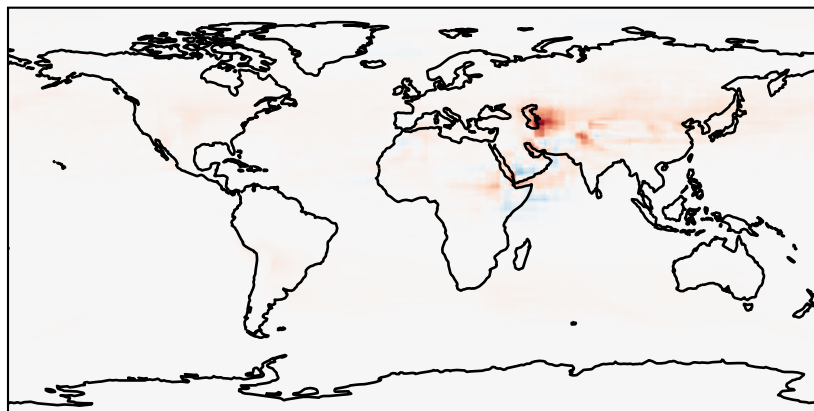
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



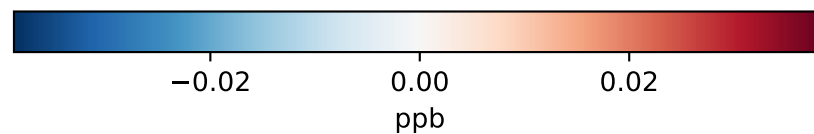
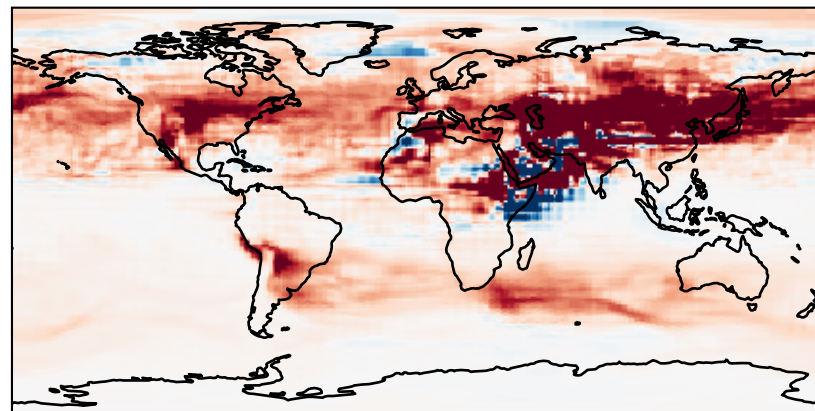
GCHP_13.1.0-beta.1 (Dev)
c48



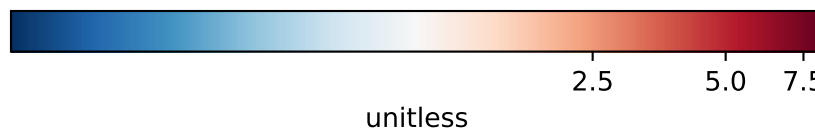
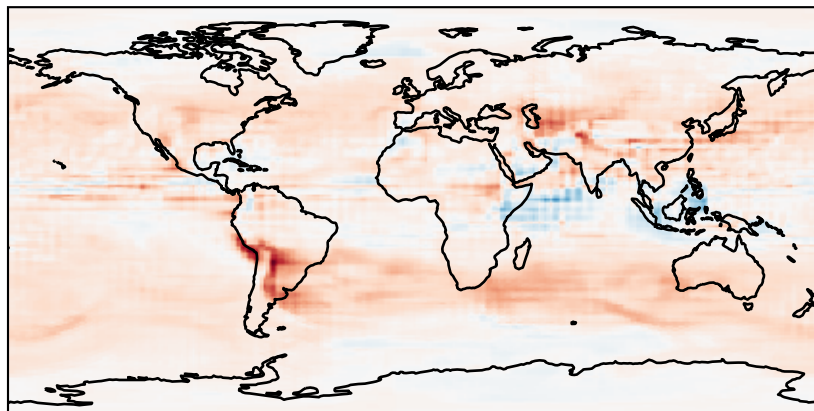
Difference (1x1.25)
Dev - Ref, Dynamic Range



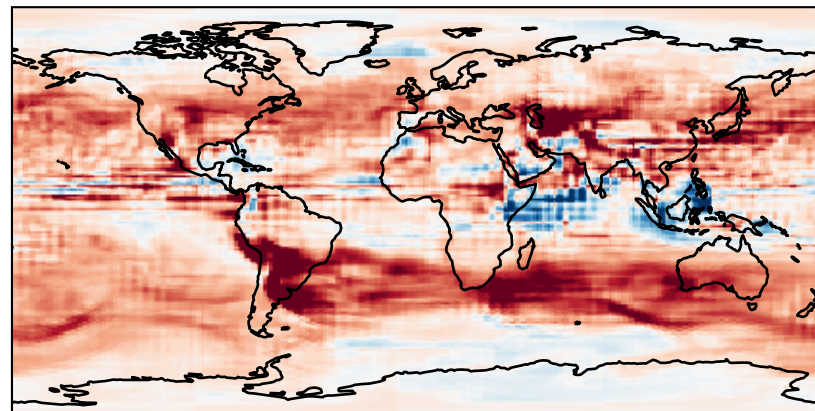
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

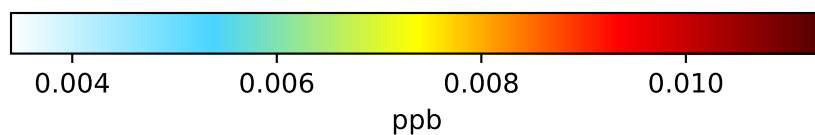
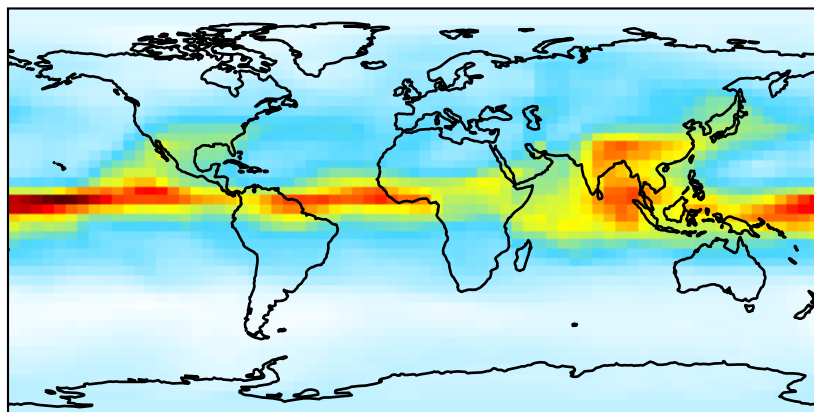


Ratio (1x1.25)
Dev/Ref, Fixed Range

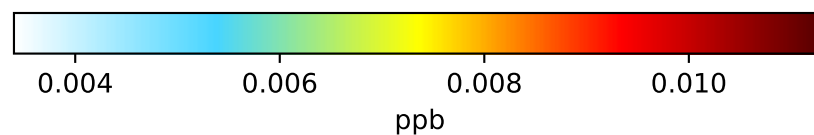
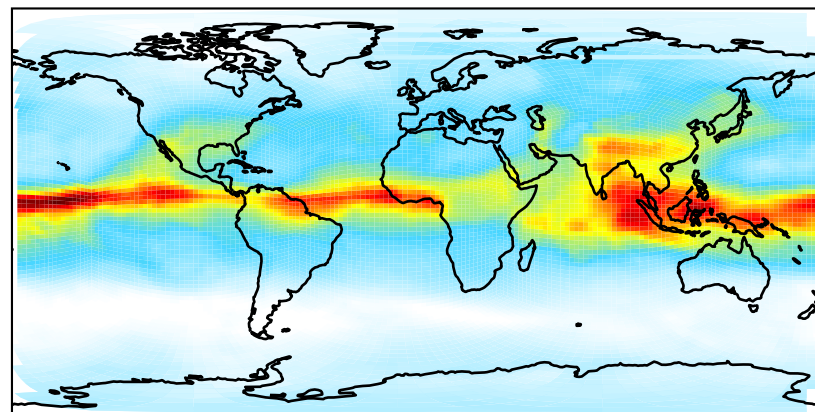


SpeciesConc_MENO3

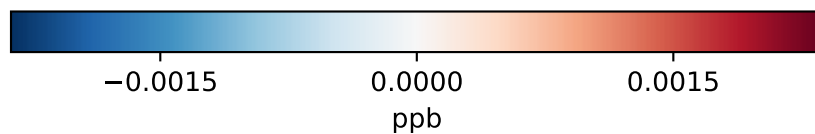
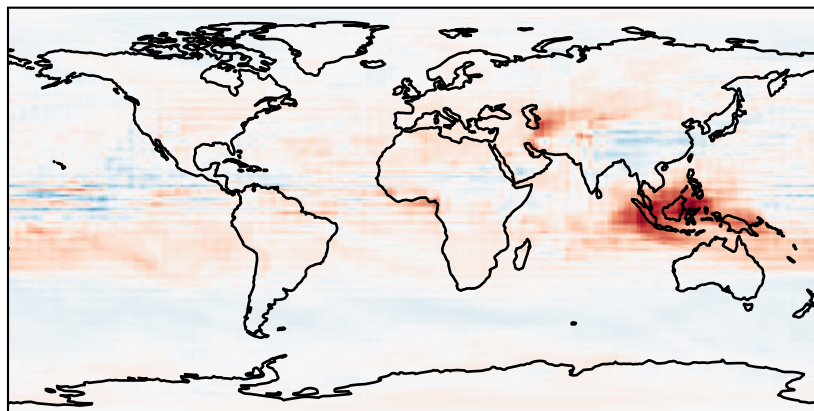
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



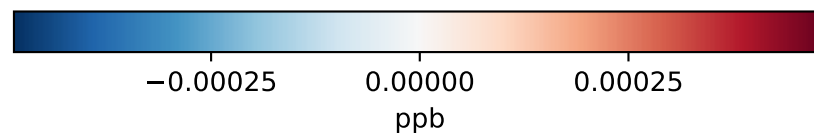
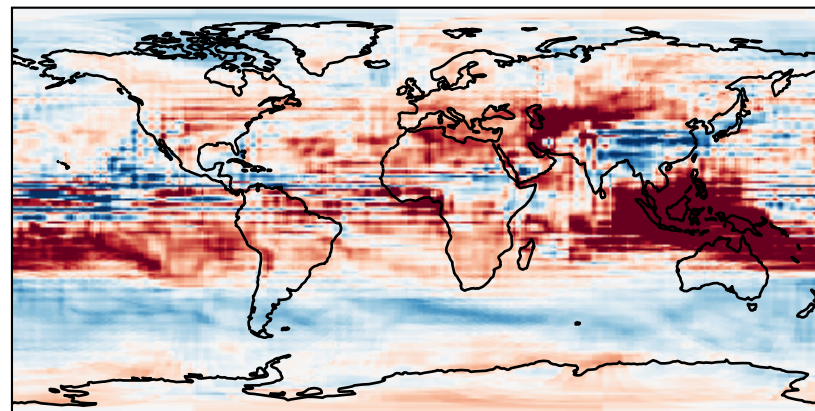
GCHP_13.1.0-beta.1 (Dev)
c48



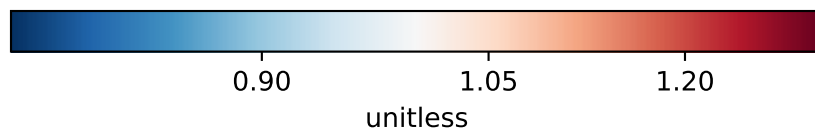
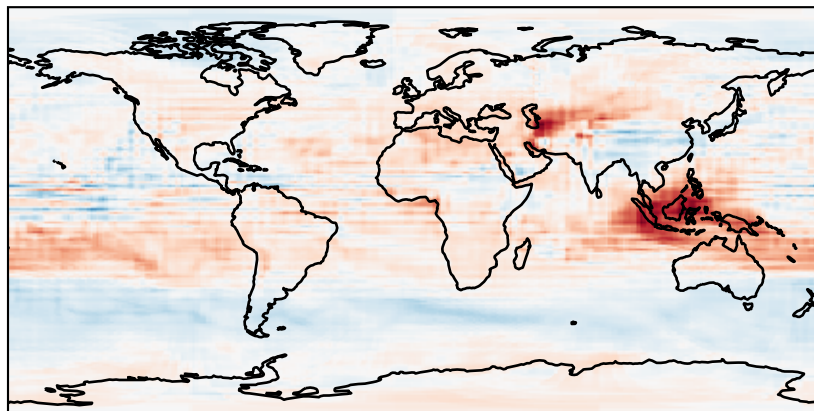
Difference (1x1.25)
Dev - Ref, Dynamic Range



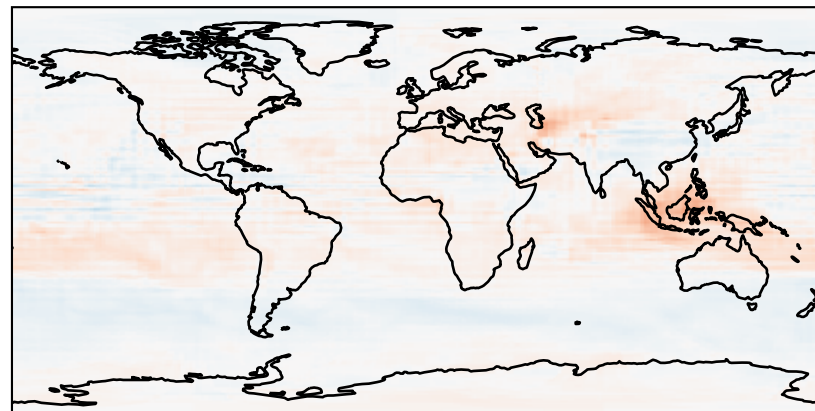
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

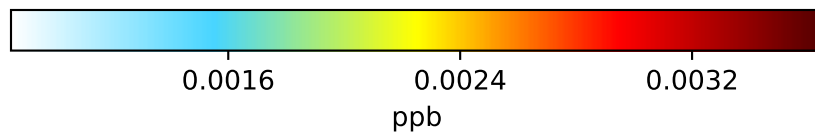
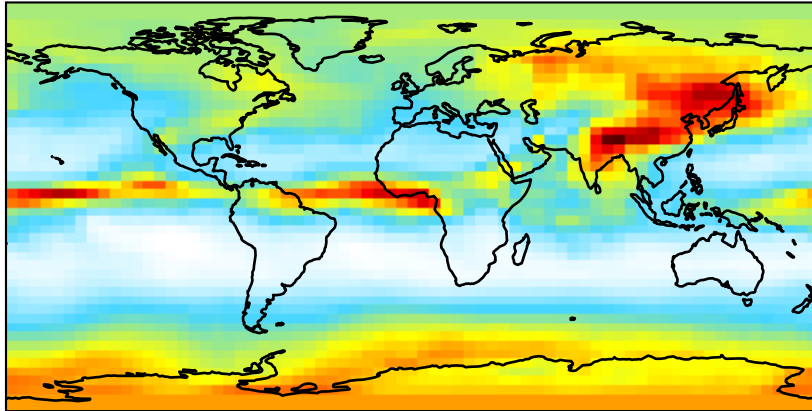


Ratio (1x1.25)
Dev/Ref, Fixed Range

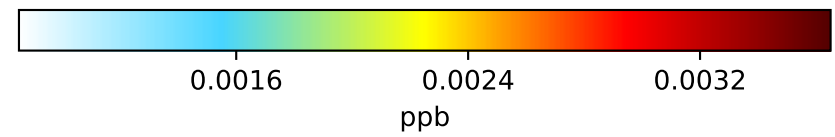
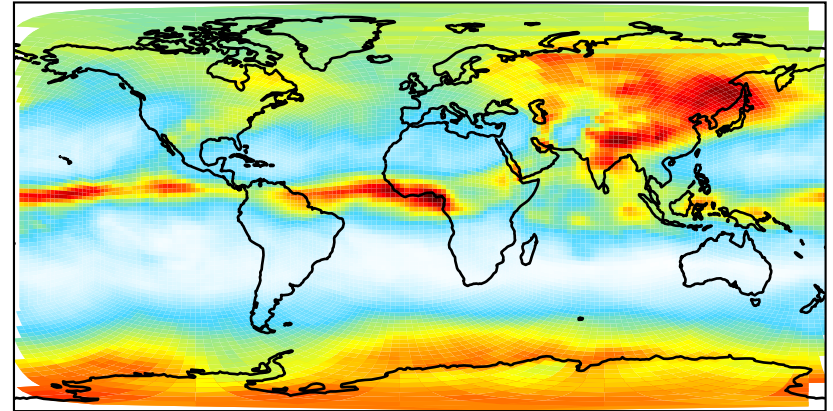


SpeciesConc_ETNO3

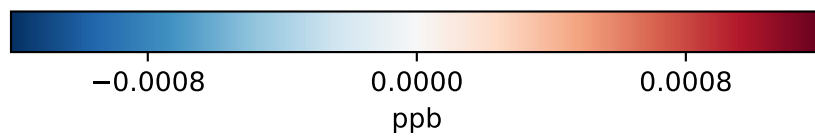
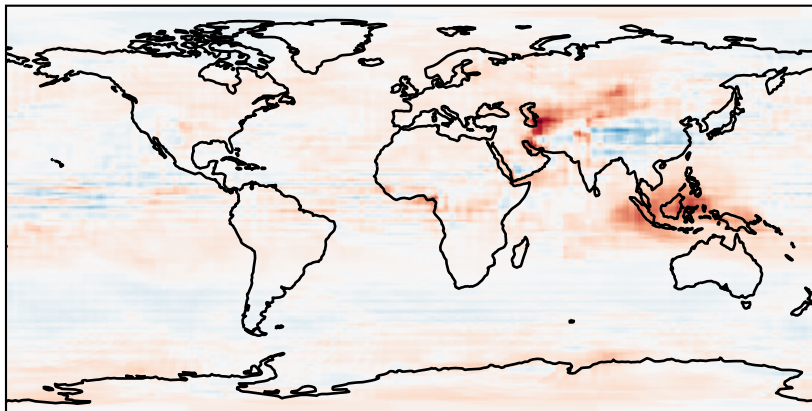
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



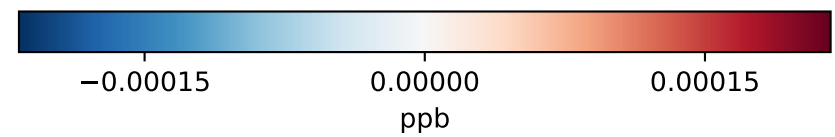
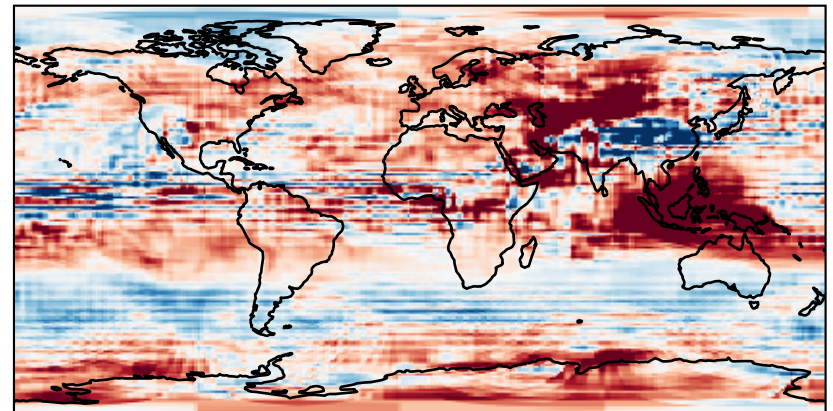
GCHP_13.1.0-beta.1 (Dev)
c48



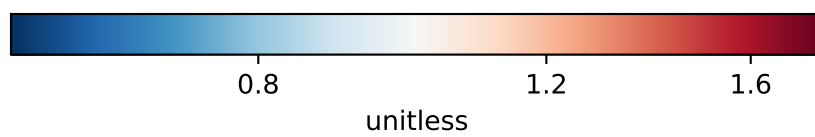
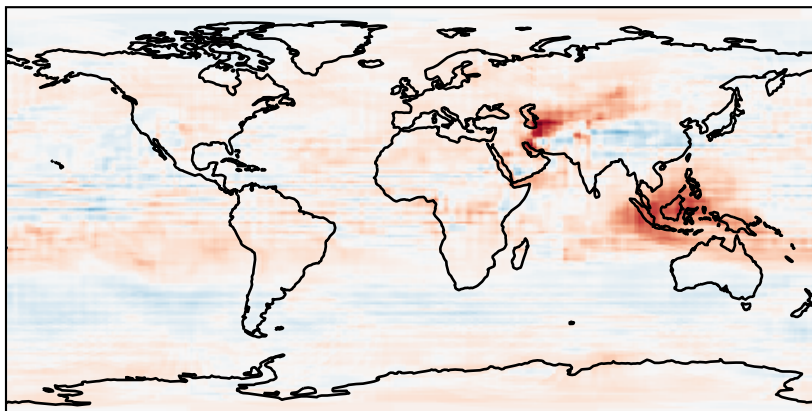
Difference (1x1.25)
Dev - Ref, Dynamic Range



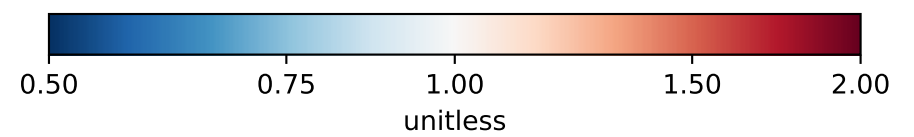
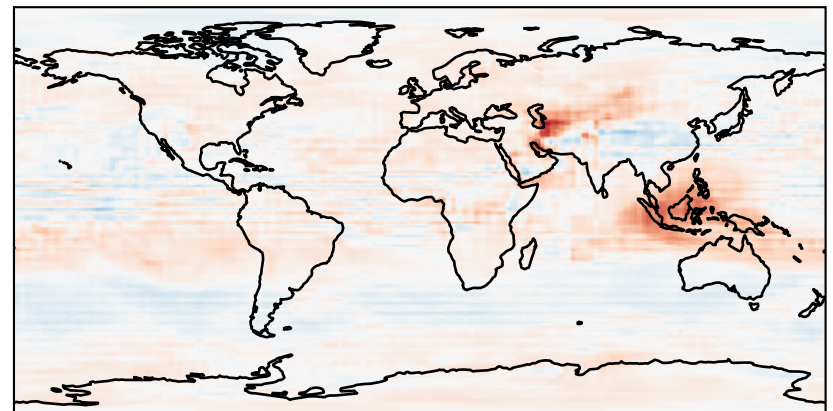
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

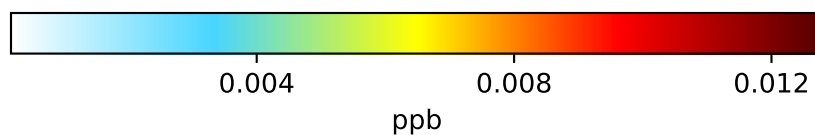
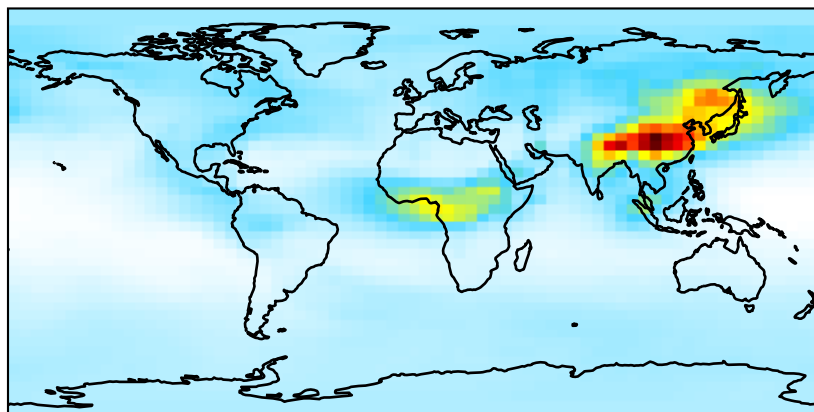


Ratio (1x1.25)
Dev/Ref, Fixed Range

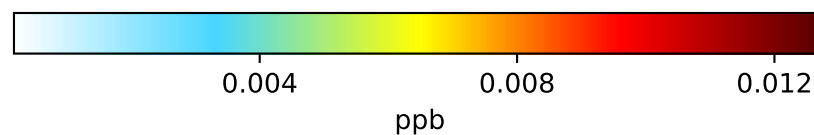
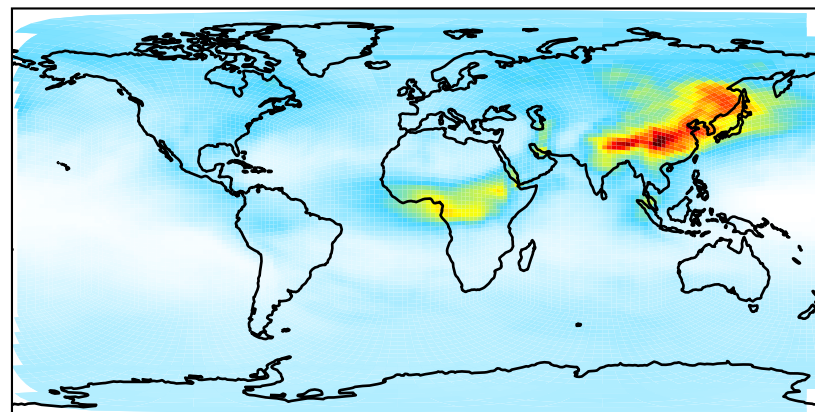


SpeciesConc_IPRNO3

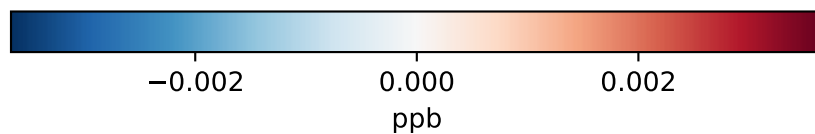
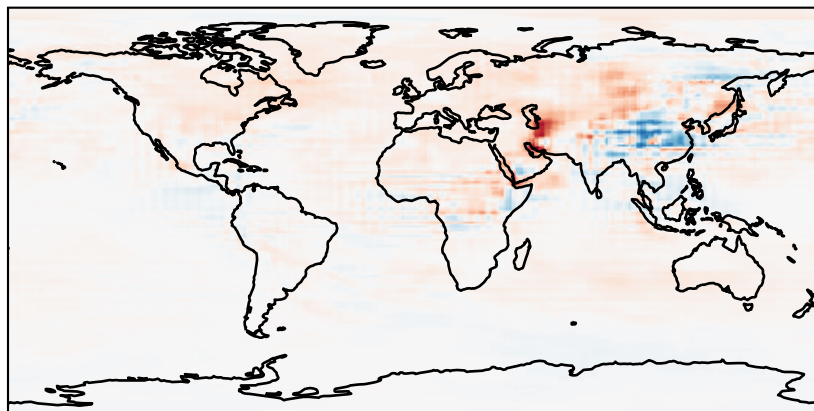
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



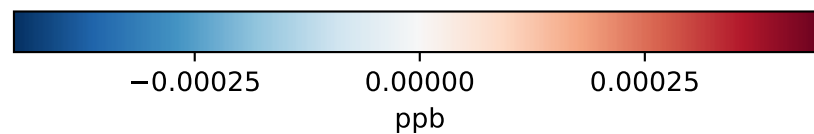
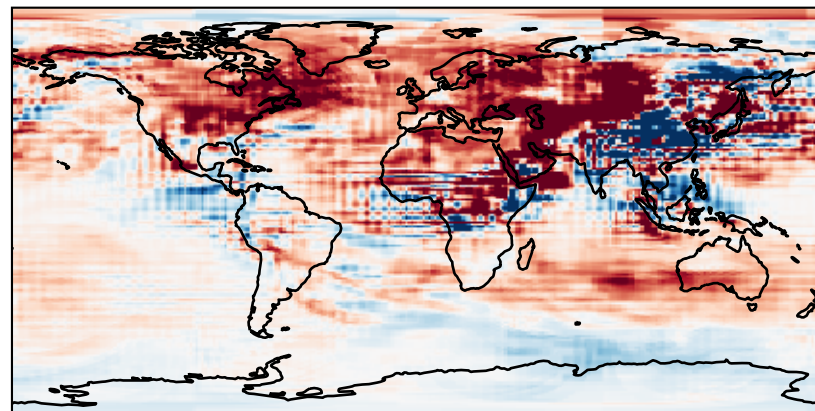
GCHP_13.1.0-beta.1 (Dev)
c48



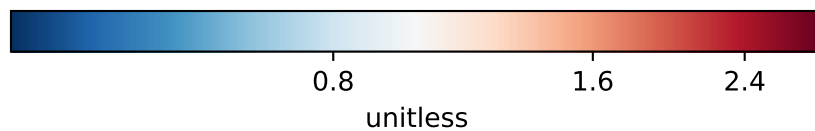
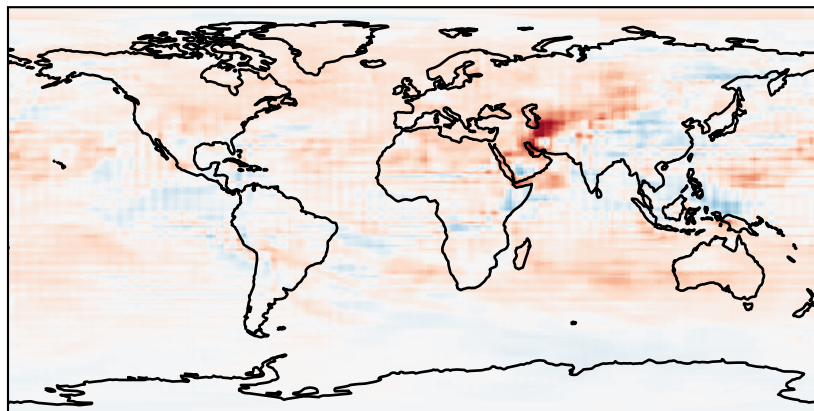
Difference (1x1.25)
Dev - Ref, Dynamic Range



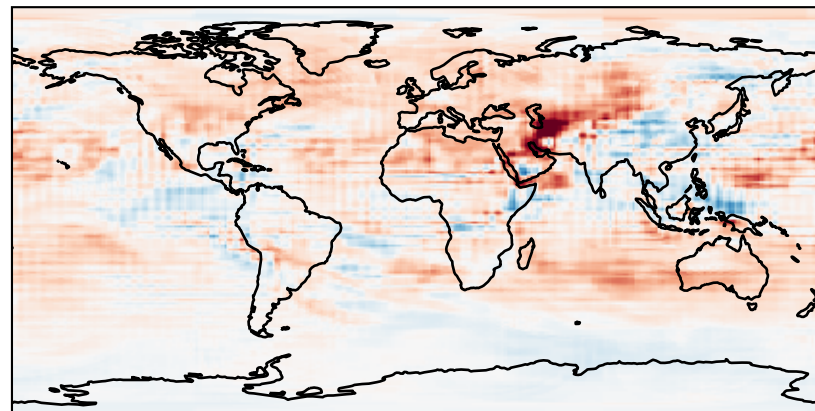
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

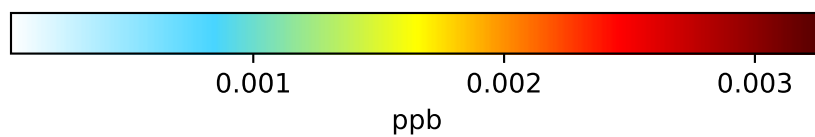
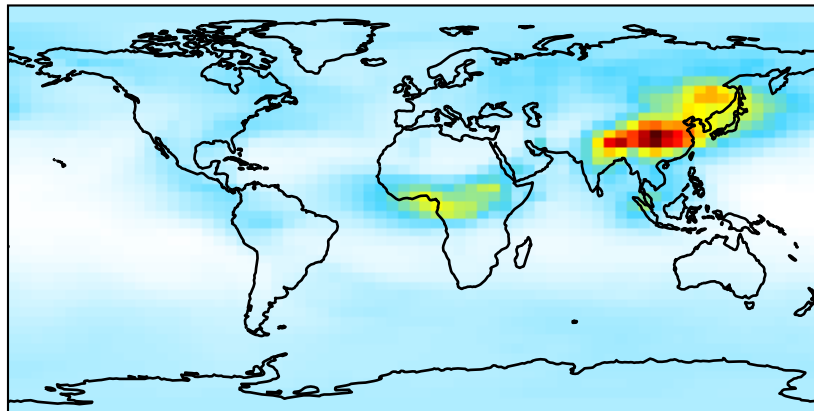


Ratio (1x1.25)
Dev/Ref, Fixed Range

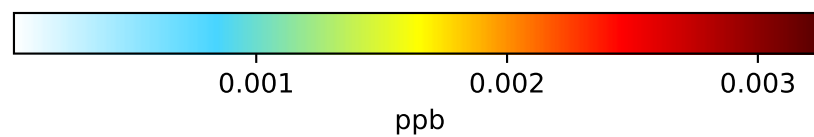
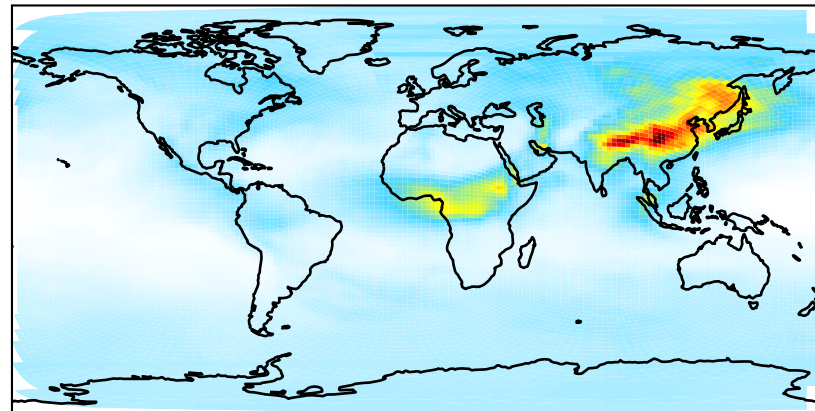


SpeciesConc_NPRNO3

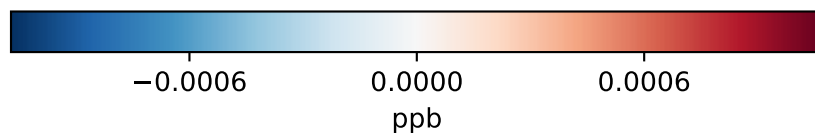
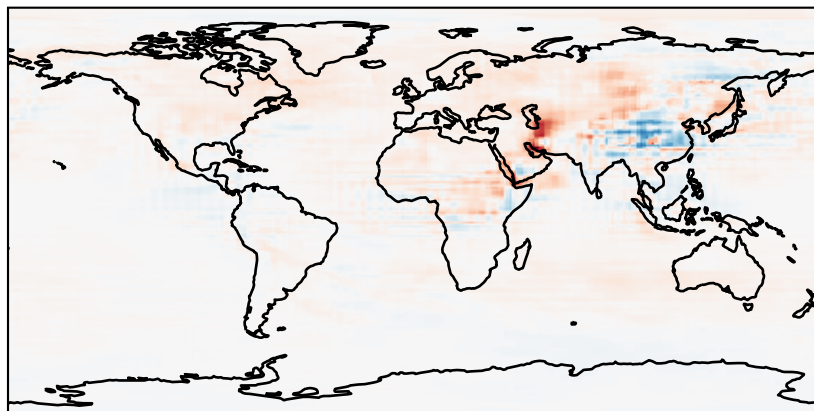
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



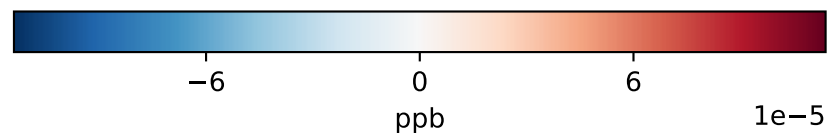
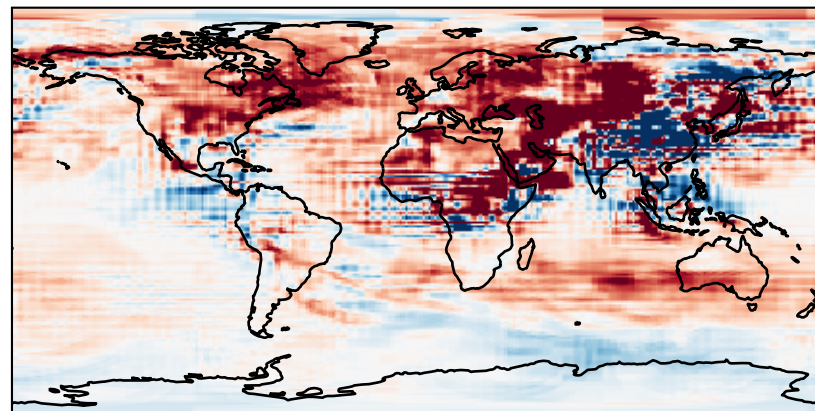
GCHP_13.1.0-beta.1 (Dev)
c48



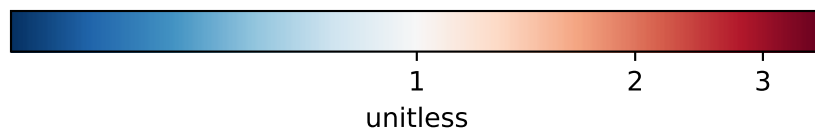
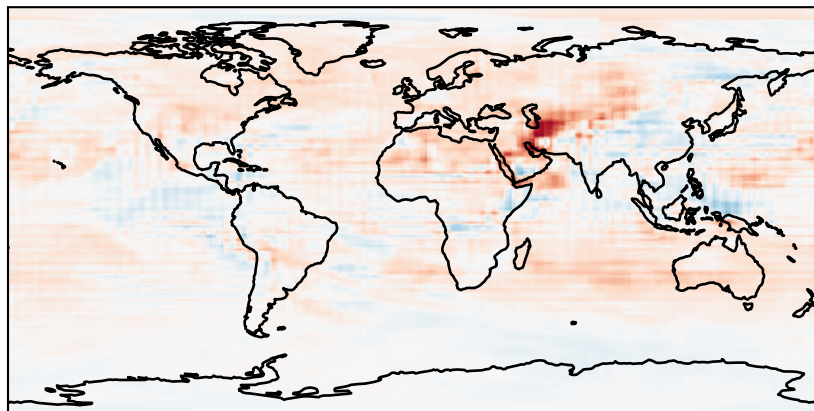
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

