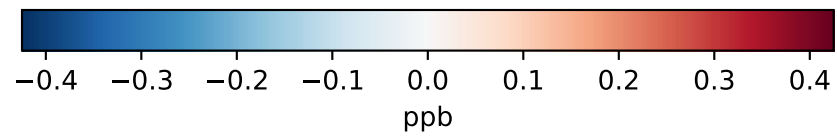
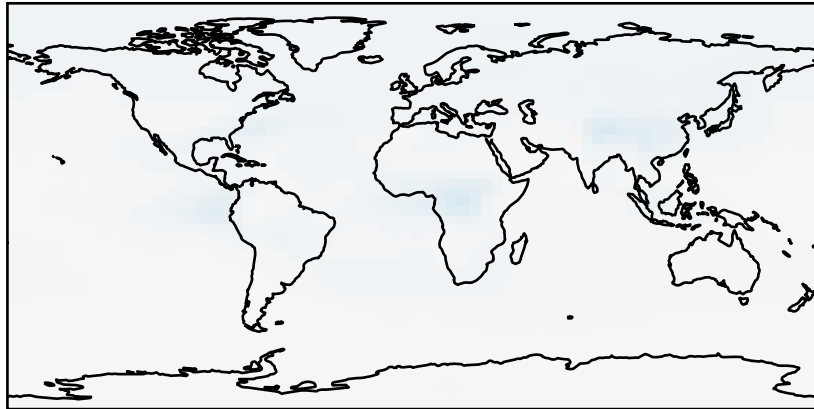
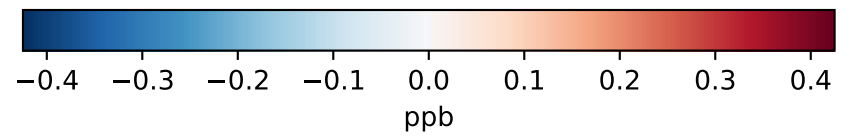
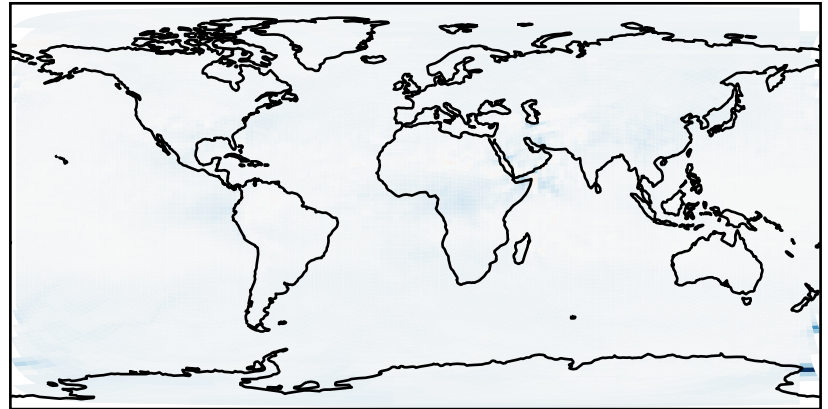


# SpeciesConc\_NOy

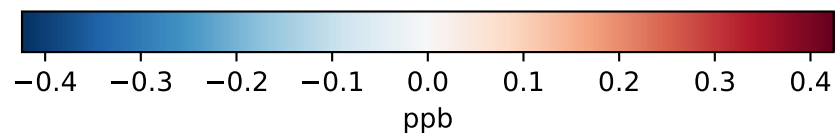
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



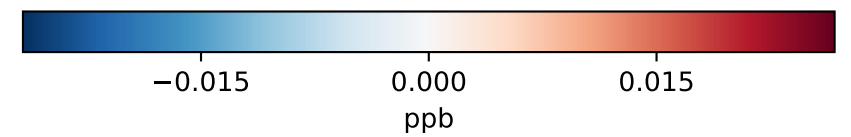
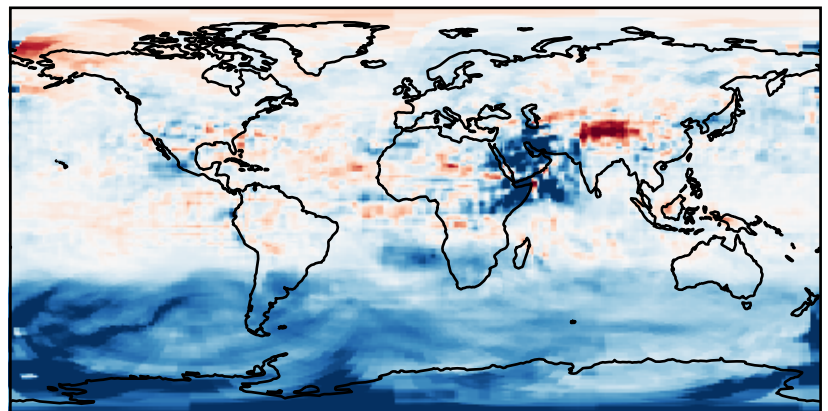
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



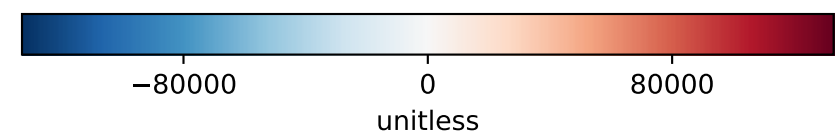
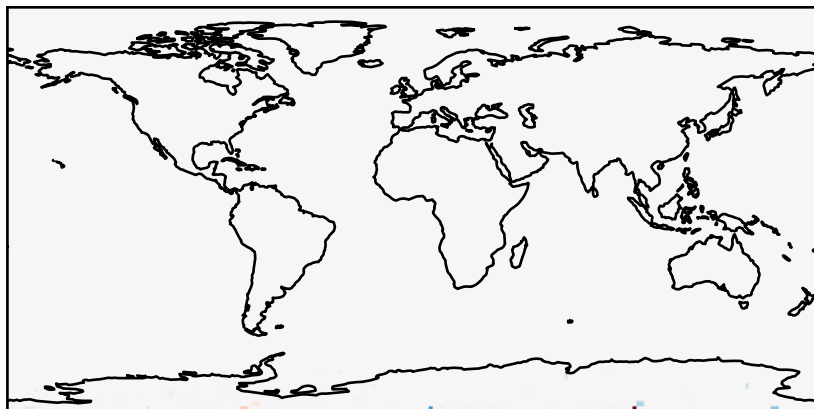
Difference (1x1.25)  
Dev - Ref, Dynamic Range



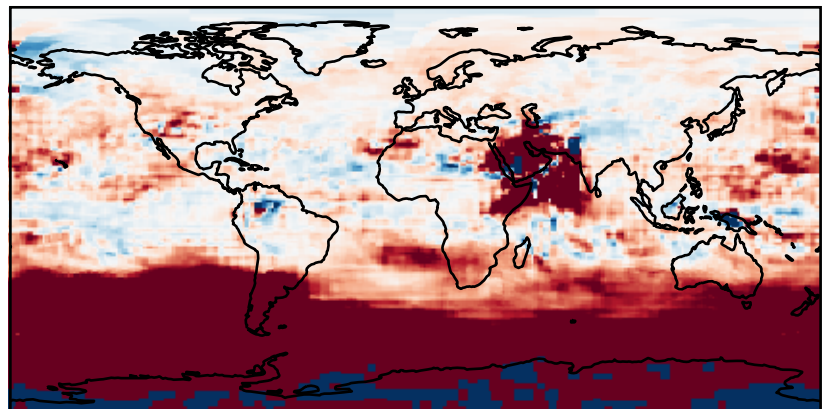
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

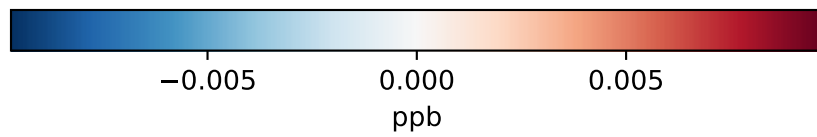
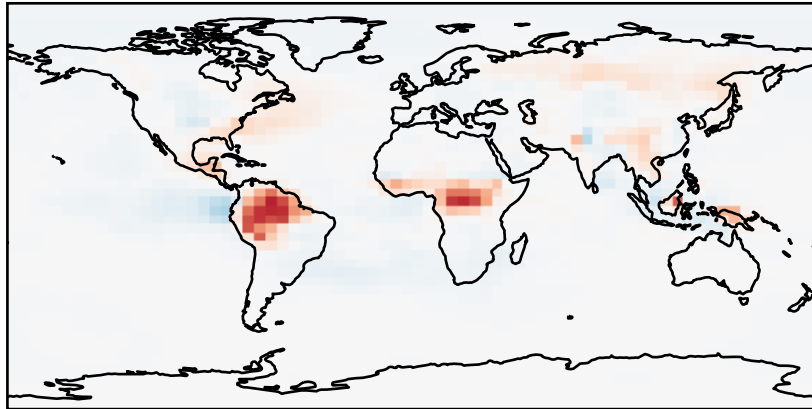


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

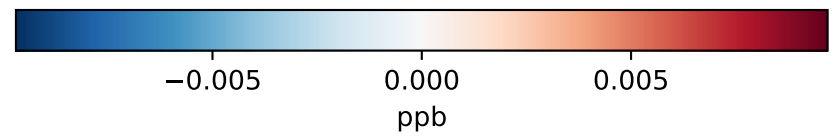
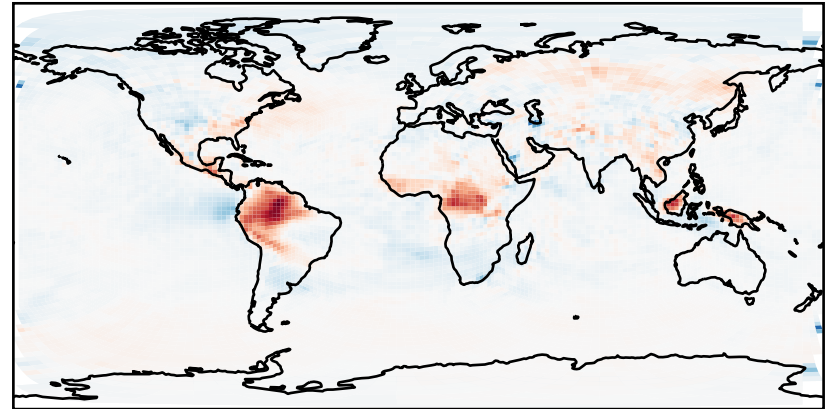


# SpeciesConc\_NOx

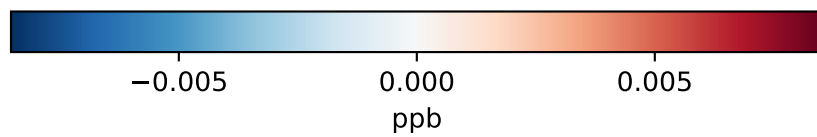
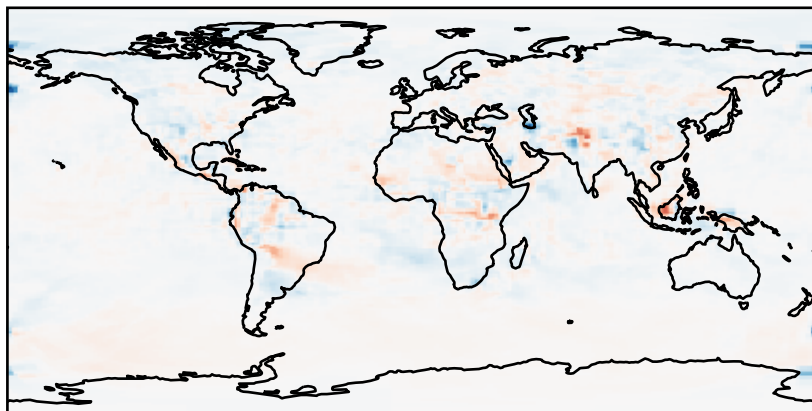
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



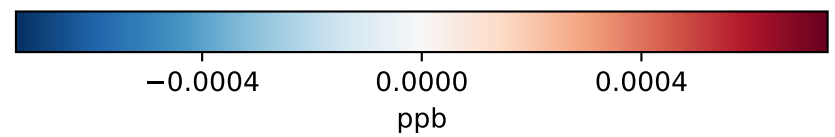
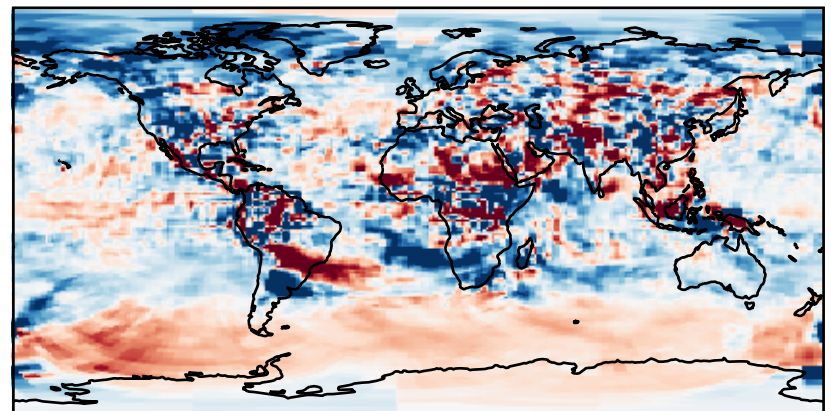
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



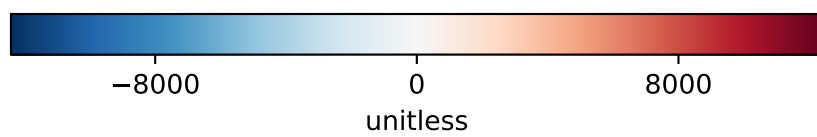
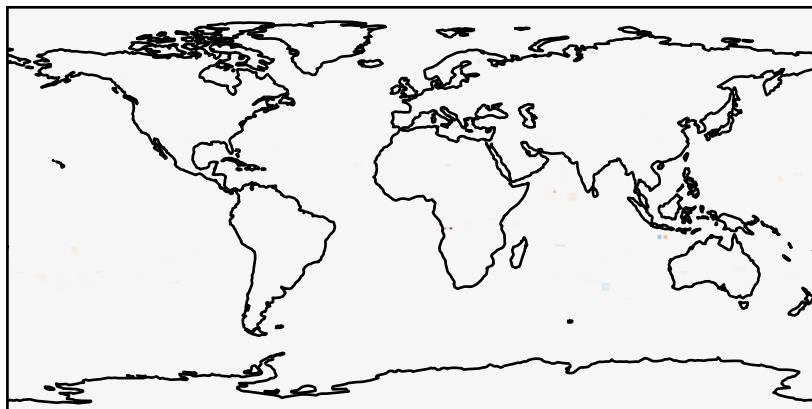
Difference (1x1.25)  
Dev - Ref, Dynamic Range



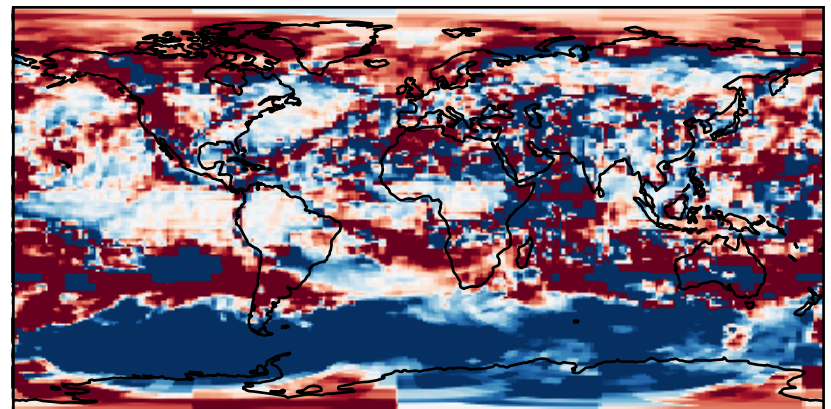
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



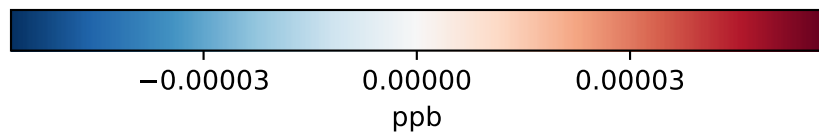
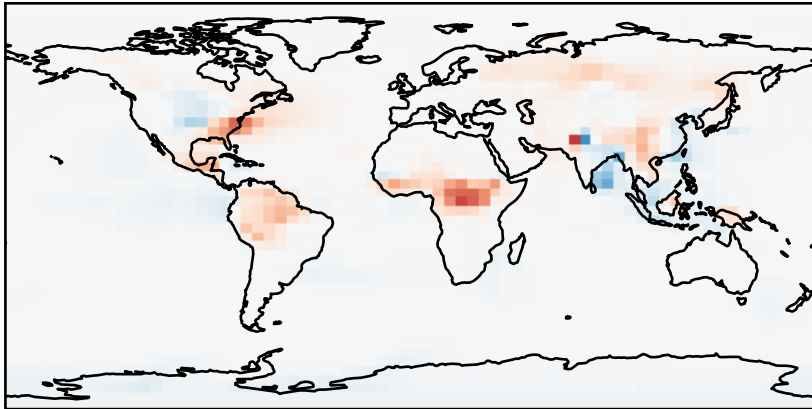
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



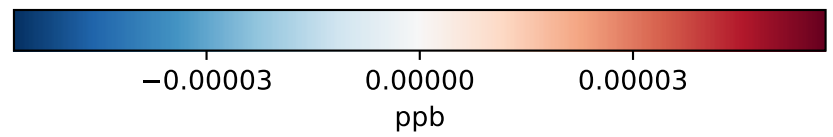
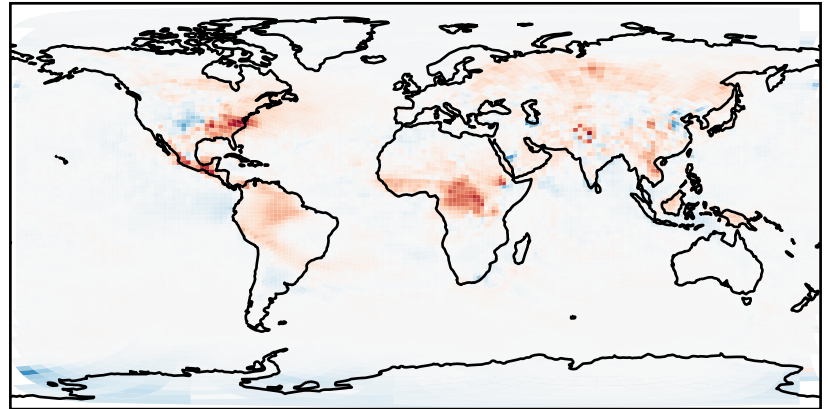


# SpeciesConc\_HNO2

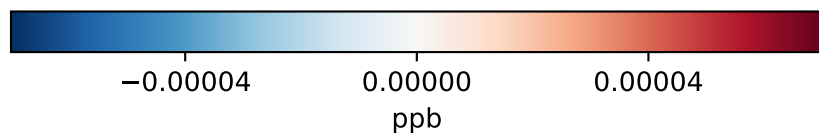
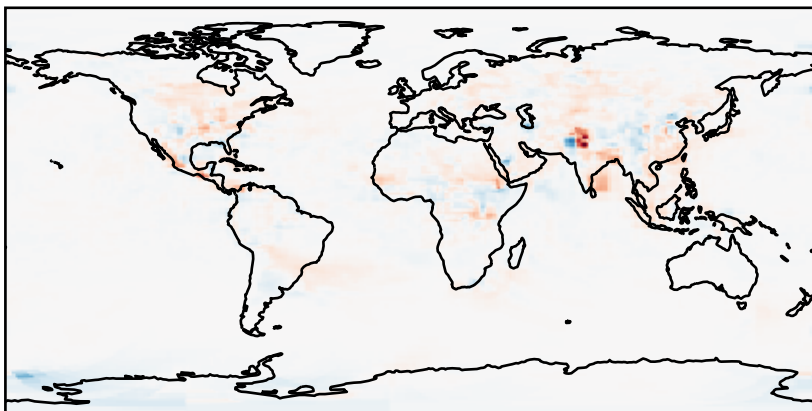
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



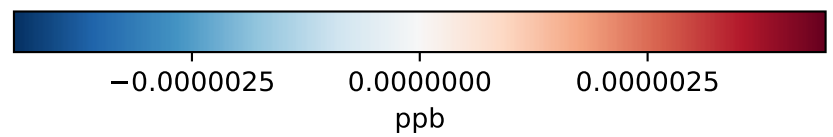
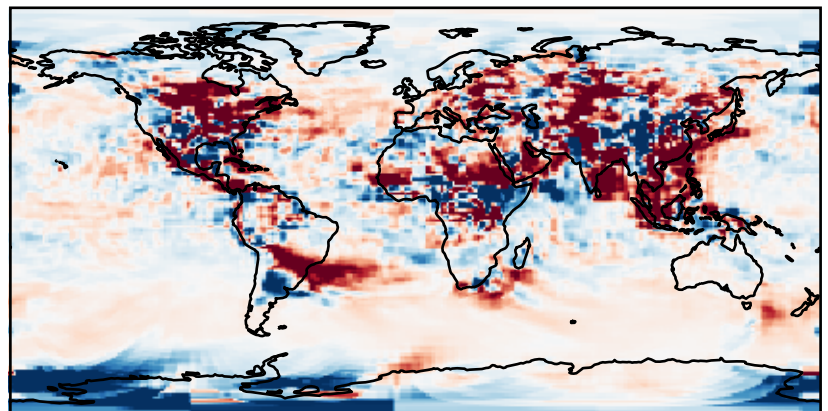
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



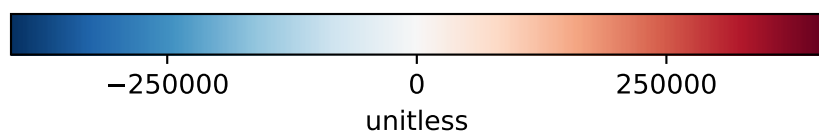
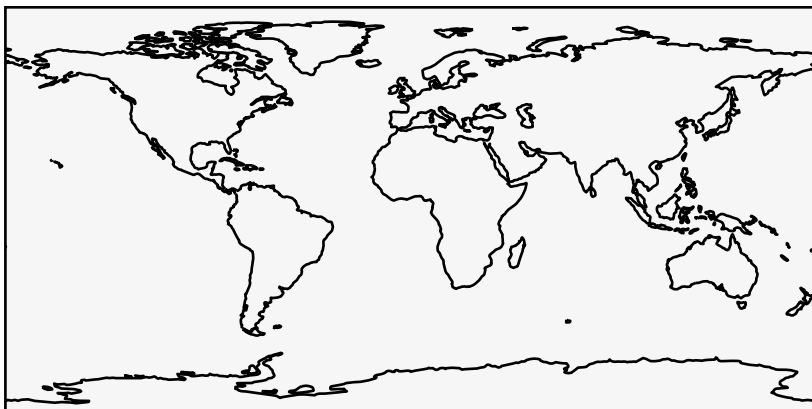
Difference (1x1.25)  
Dev - Ref, Dynamic Range



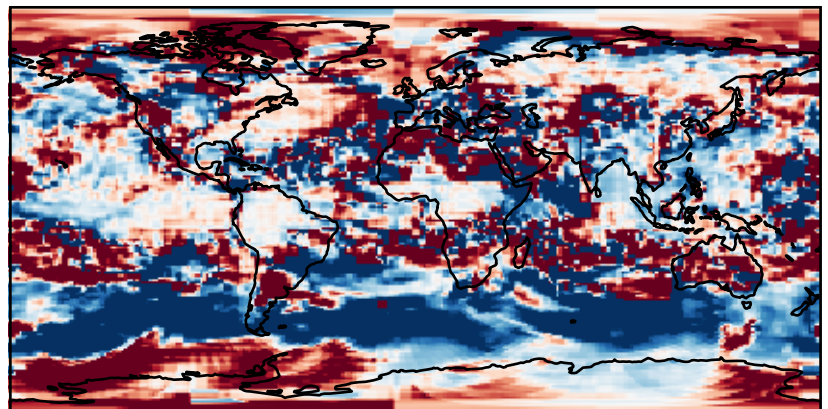
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

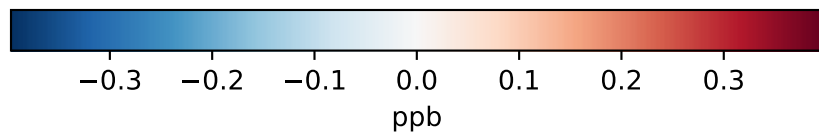
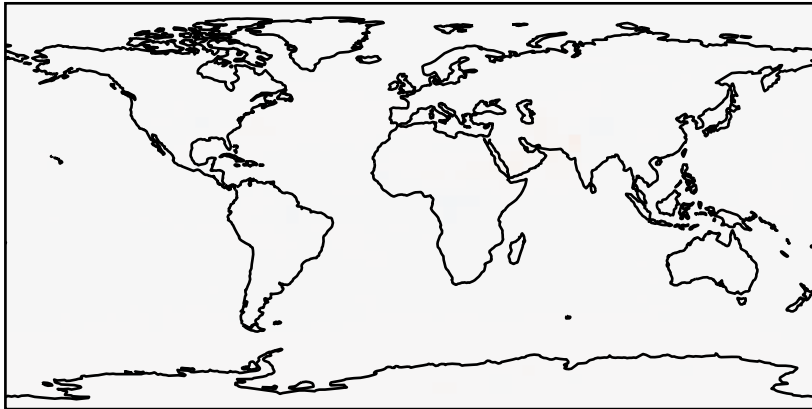


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

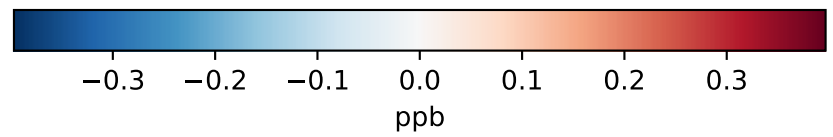


# SpeciesConc\_HNO3

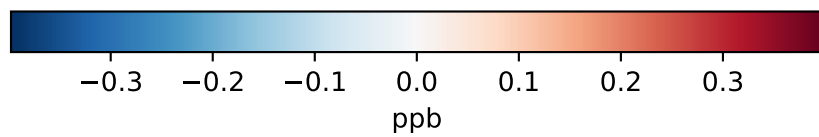
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



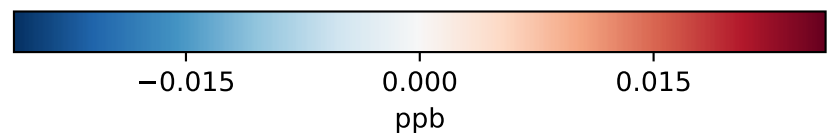
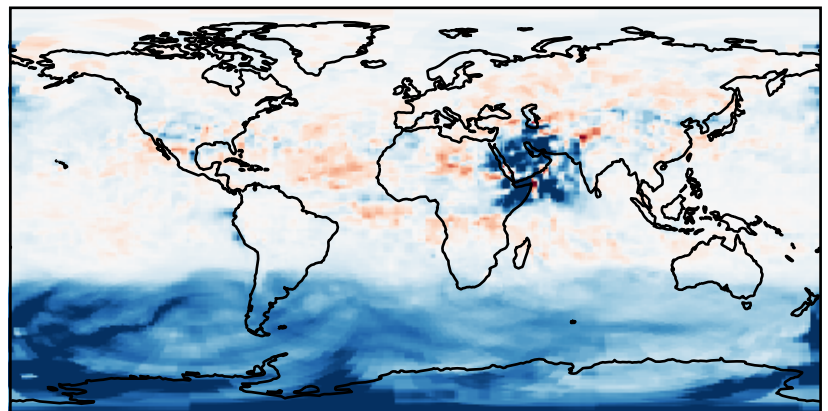
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



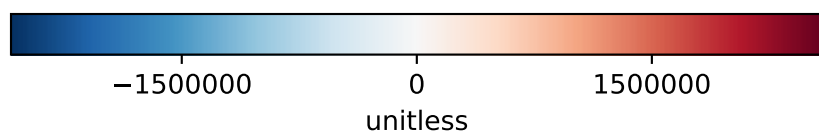
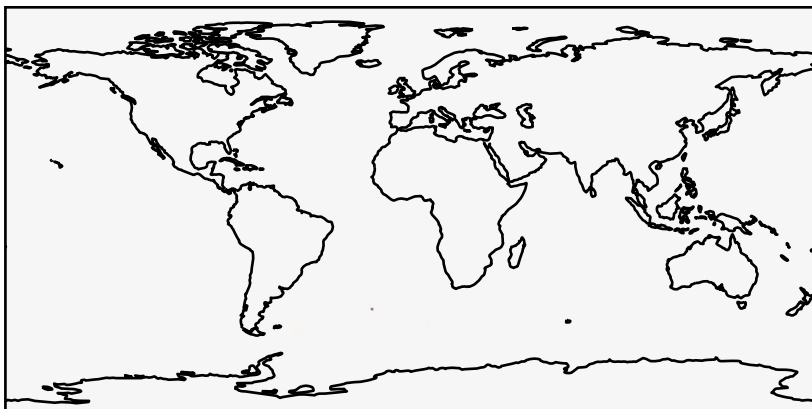
Difference (1x1.25)  
Dev - Ref, Dynamic Range



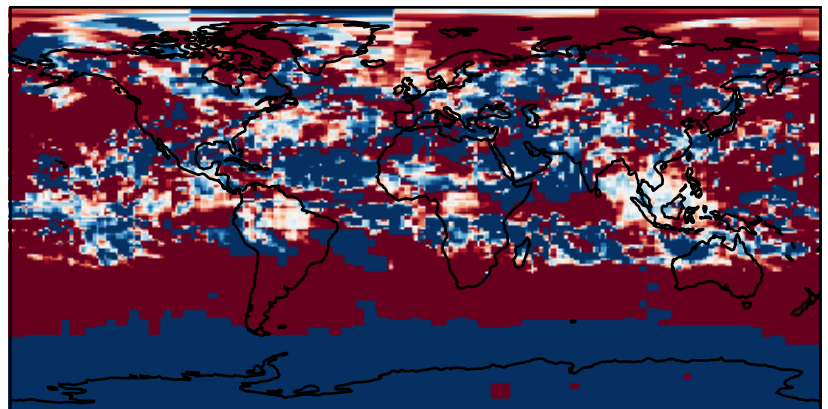
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



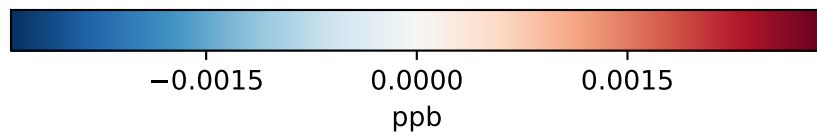
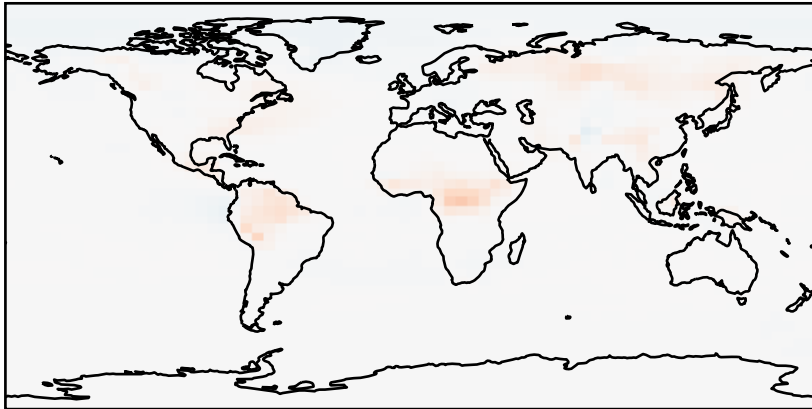
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



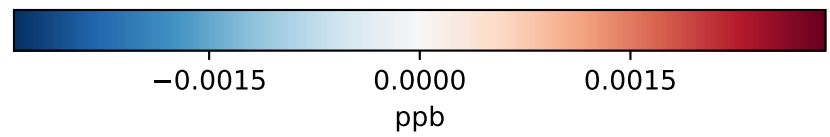
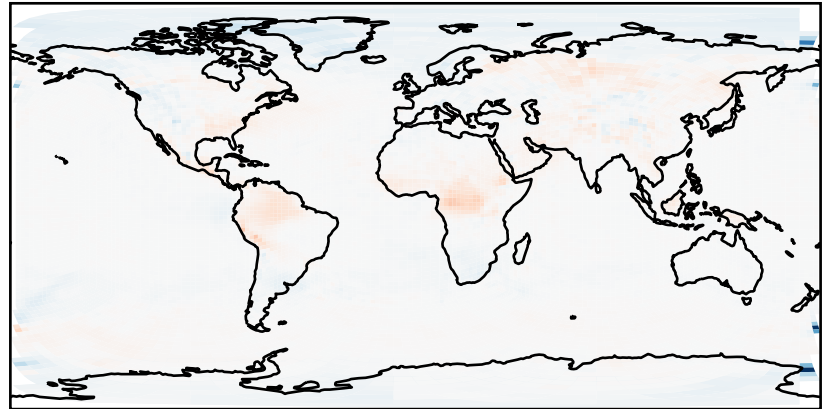


# SpeciesConc\_HNO4

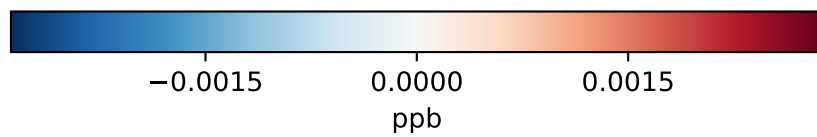
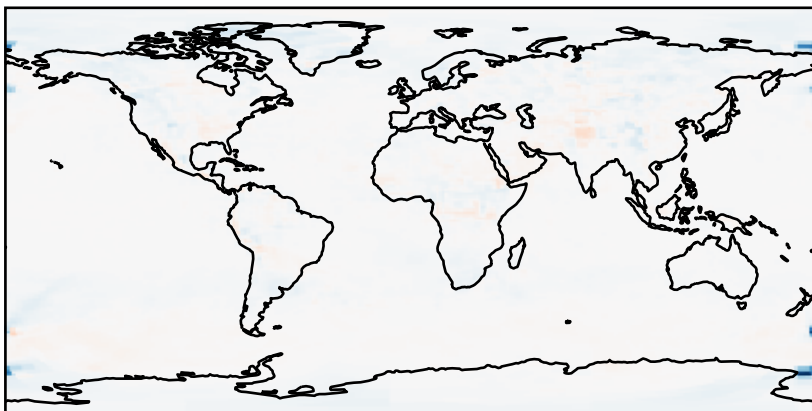
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



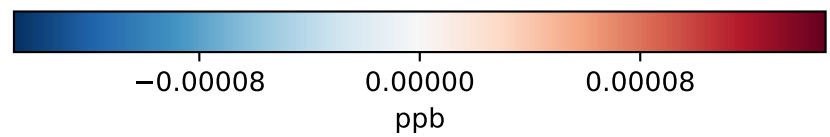
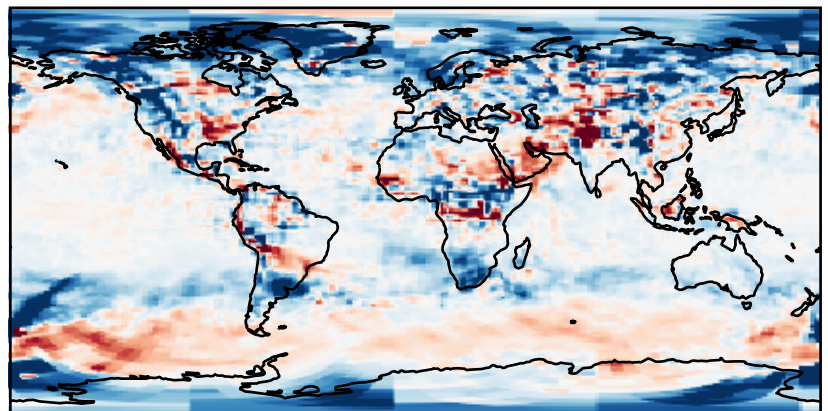
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



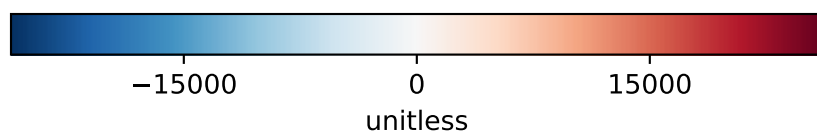
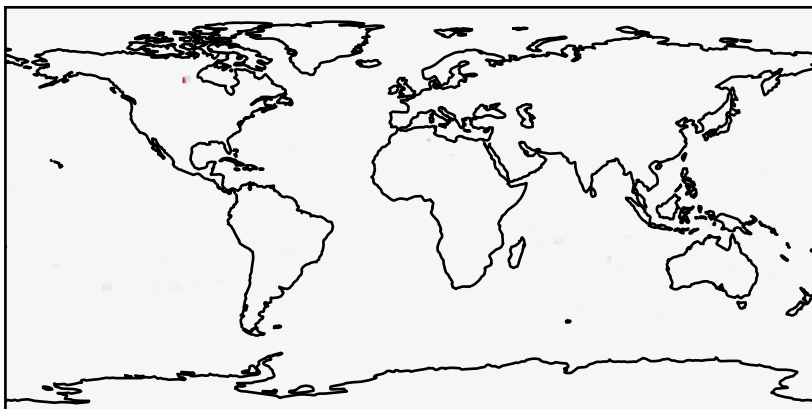
Difference (1x1.25)  
Dev - Ref, Dynamic Range



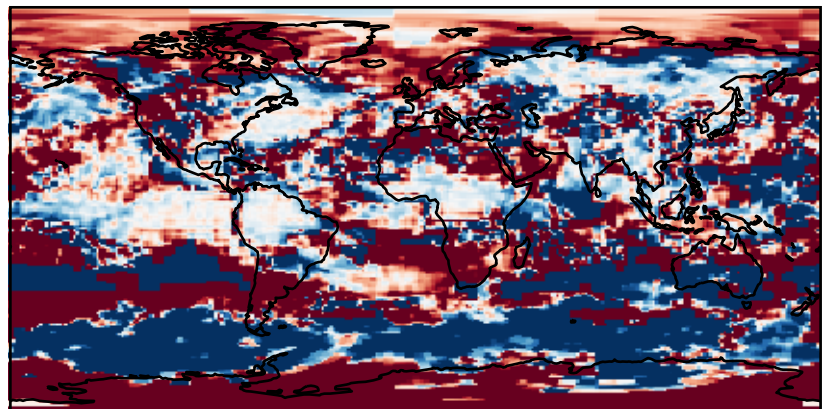
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

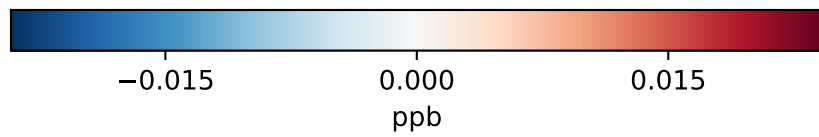
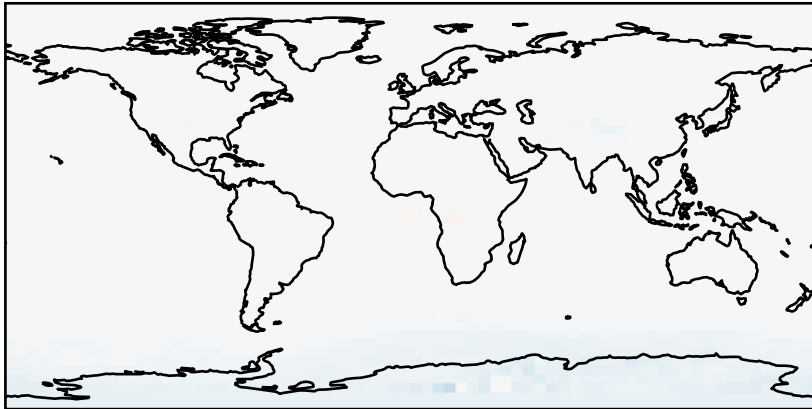


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

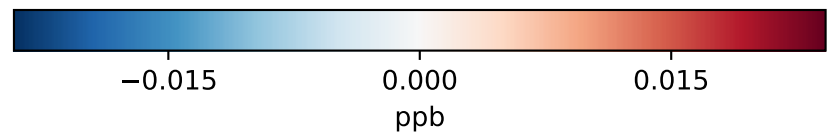
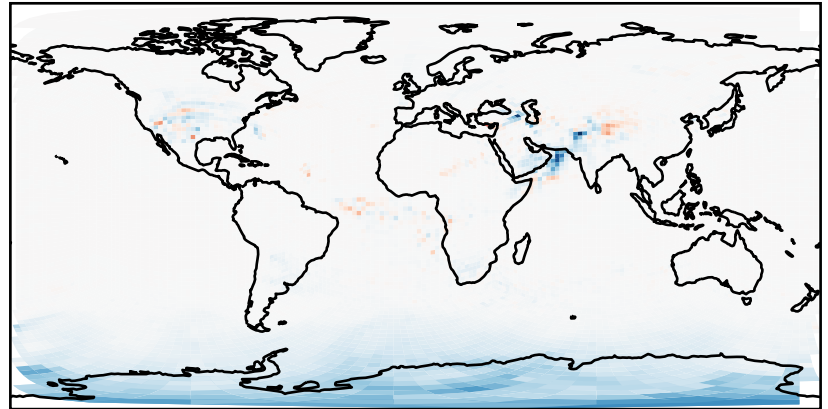


# SpeciesConc\_NIT

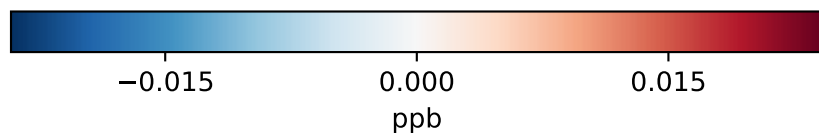
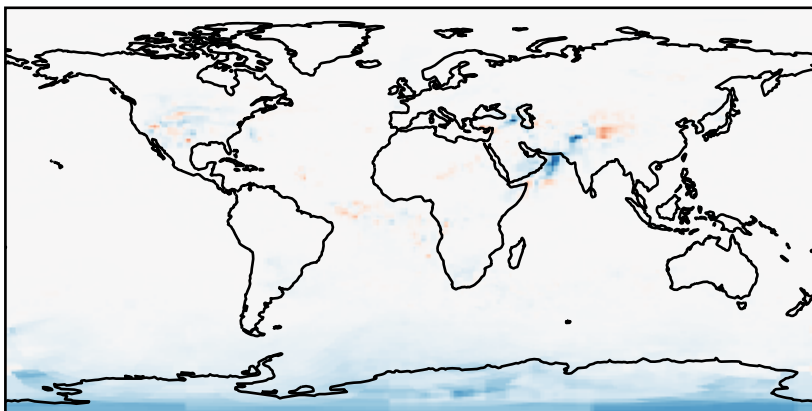
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



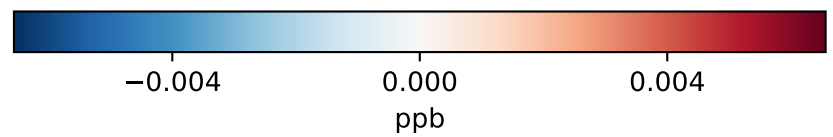
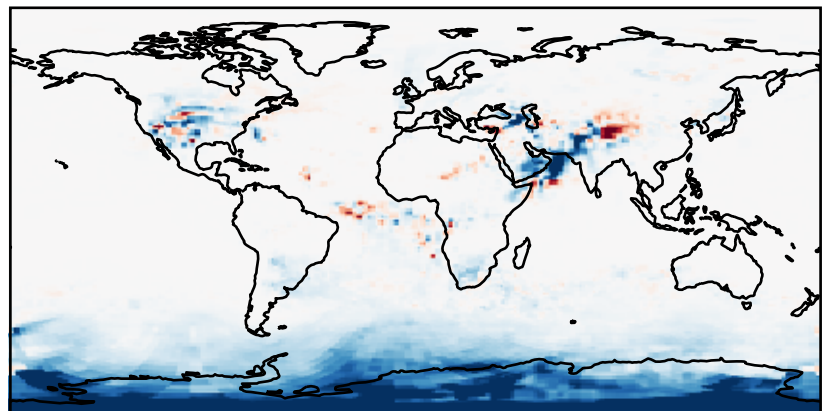
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



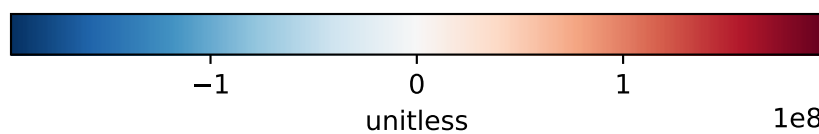
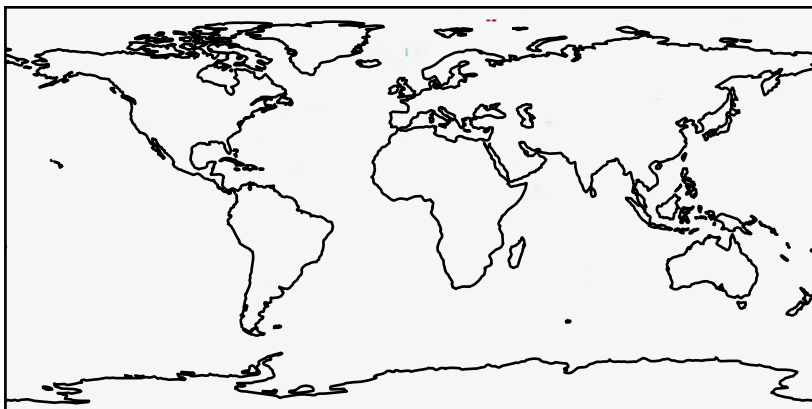
Difference (1x1.25)  
Dev - Ref, Dynamic Range



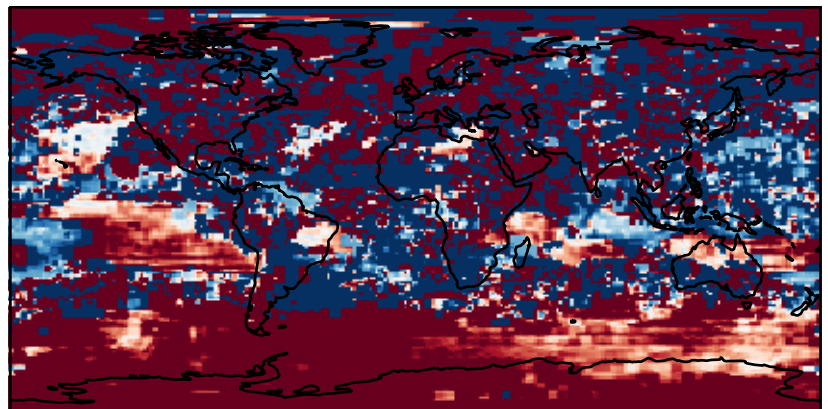
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



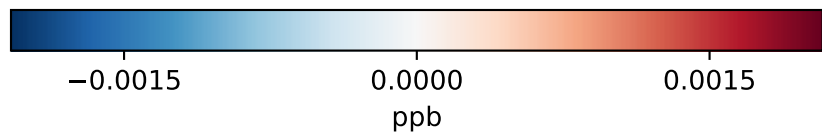
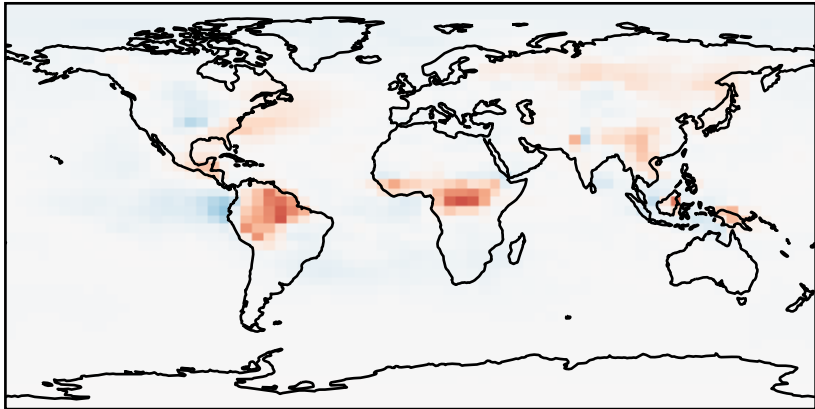
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



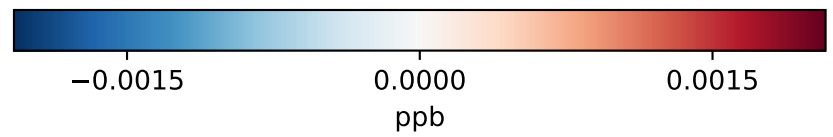
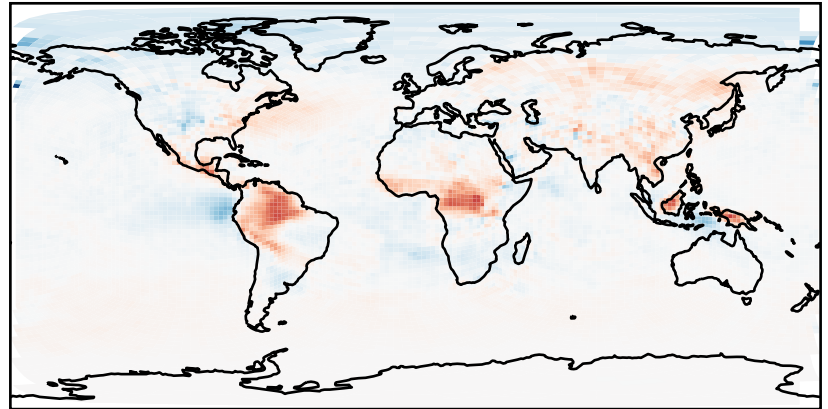


# SpeciesConc\_NO

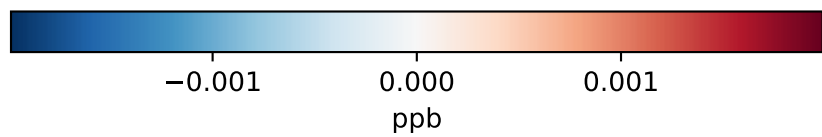
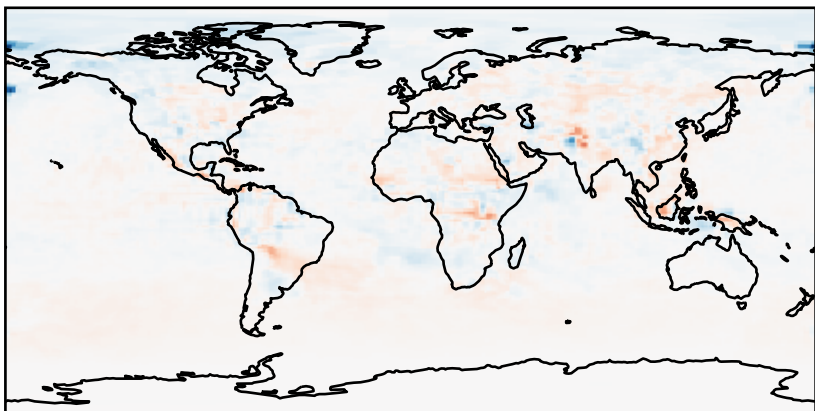
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



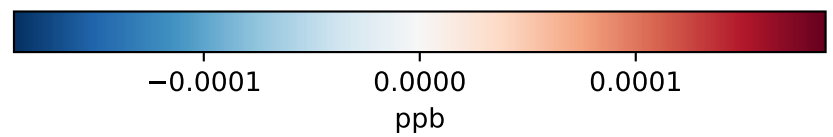
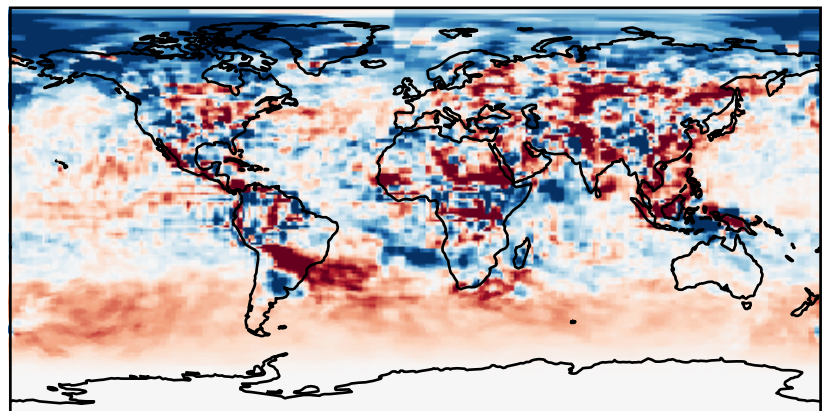
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



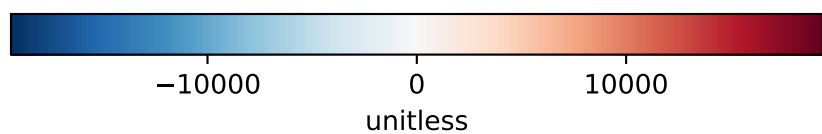
Difference (1x1.25)  
Dev - Ref, Dynamic Range



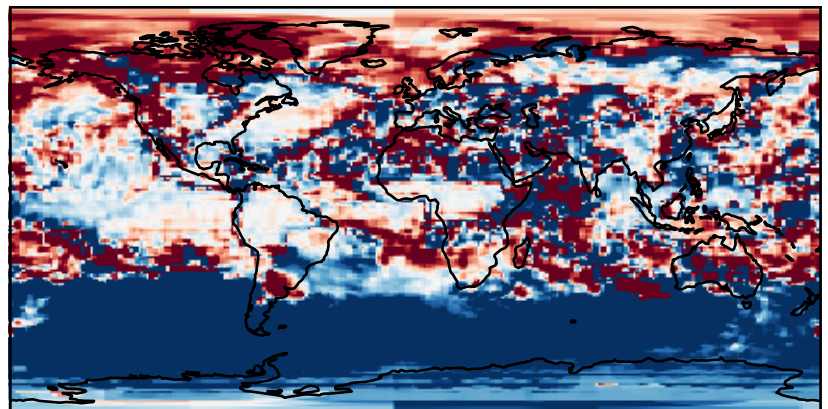
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

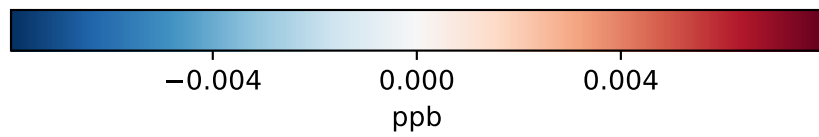
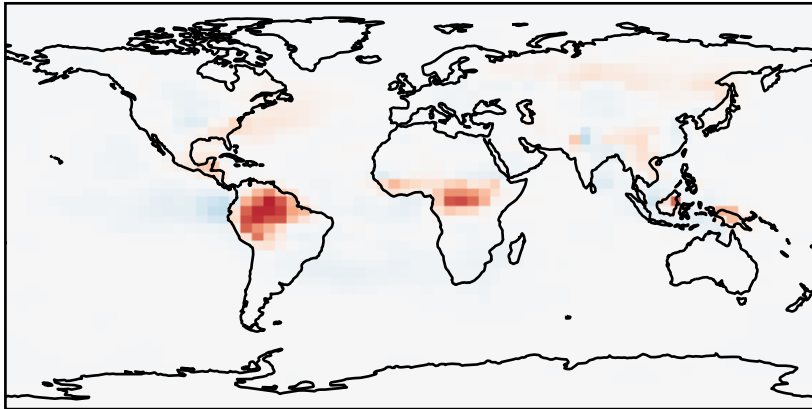


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

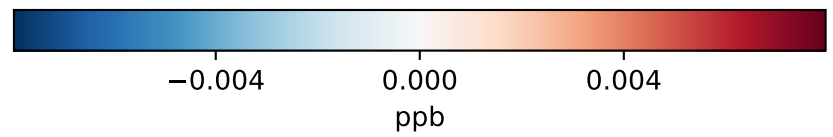
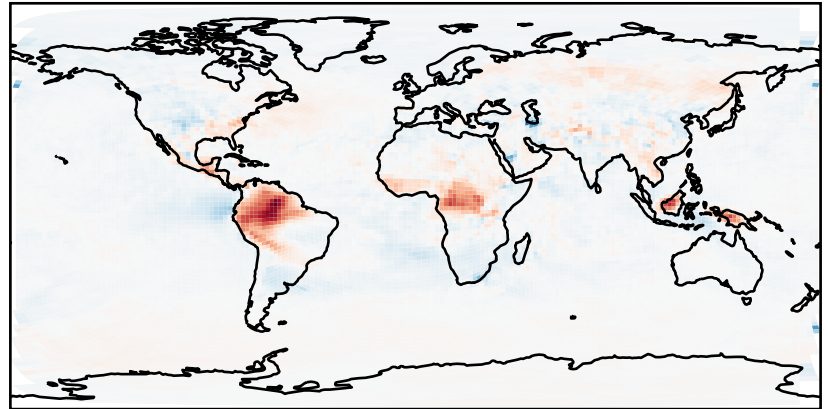


# SpeciesConc\_NO2

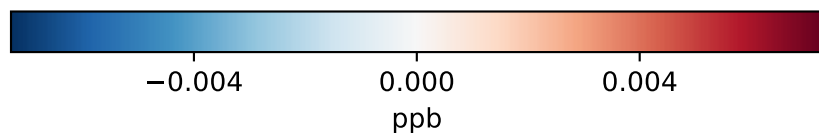
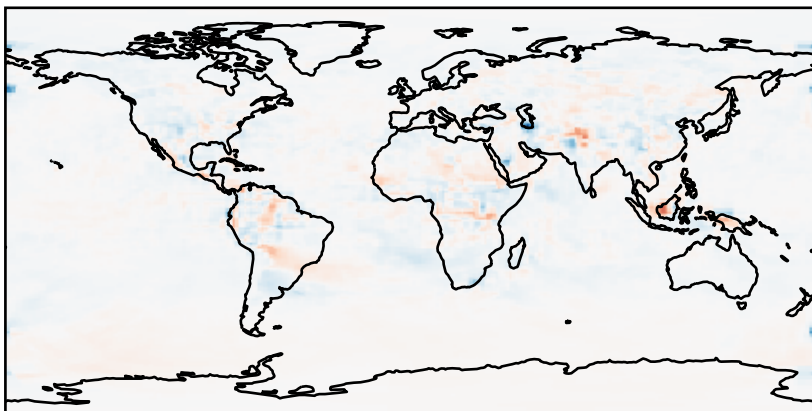
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



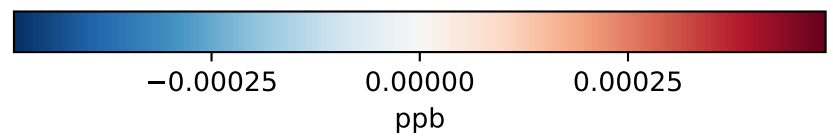
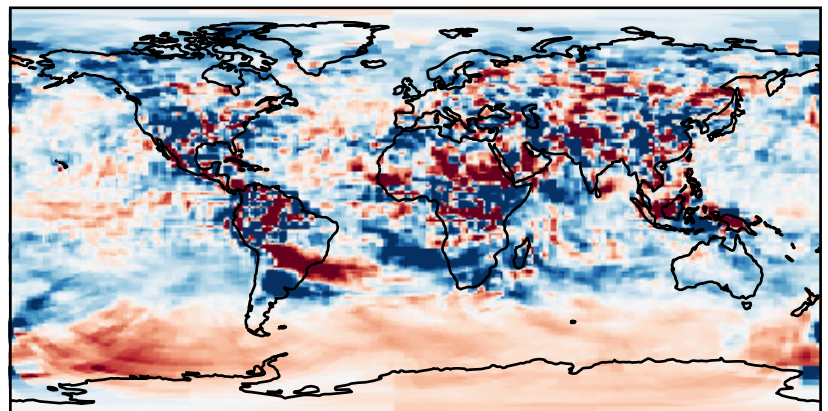
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



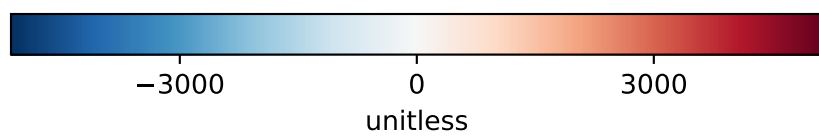
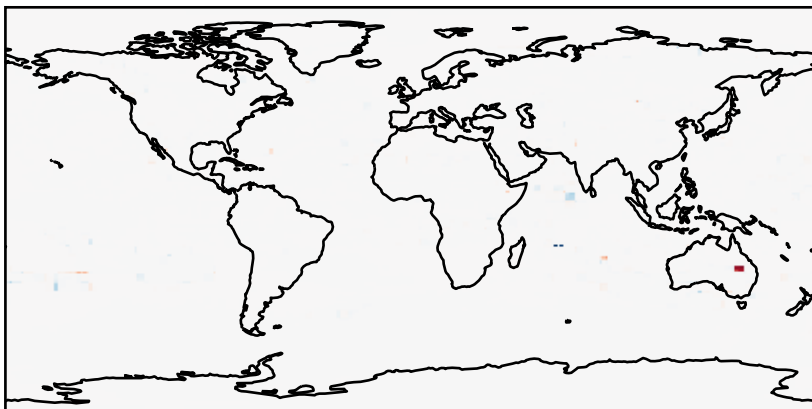
Difference (1x1.25)  
Dev - Ref, Dynamic Range



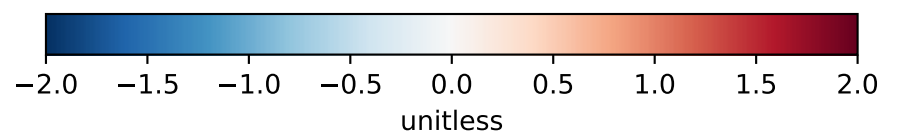
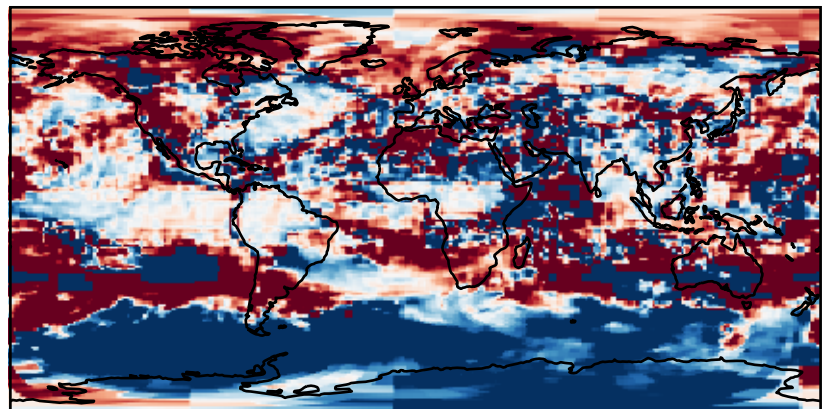
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



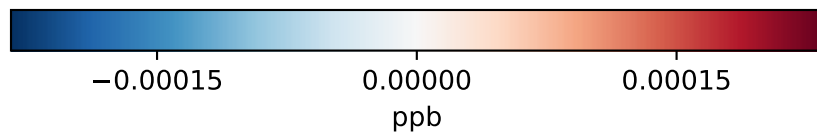
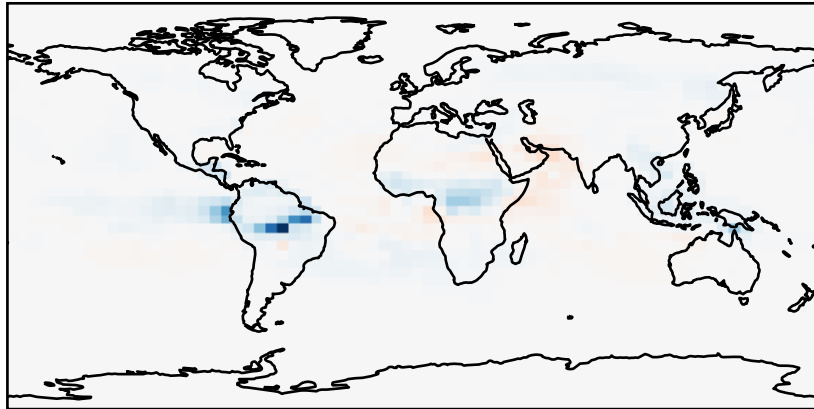
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



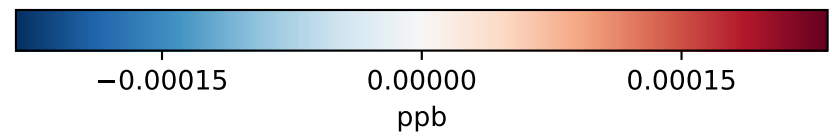
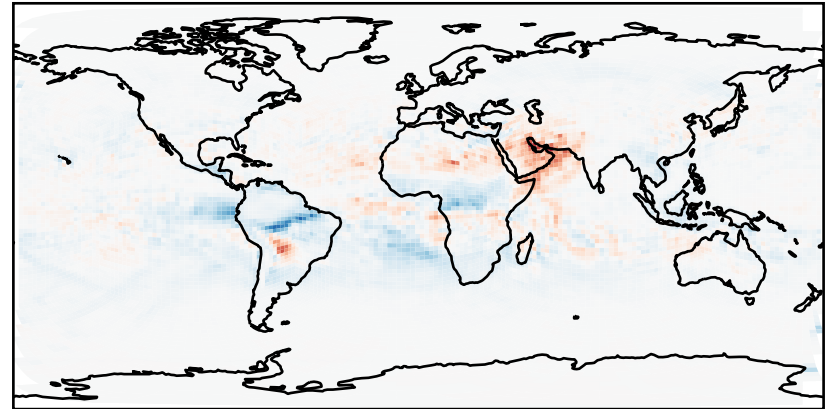


# SpeciesConc\_NO3

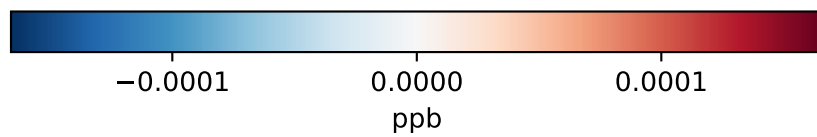
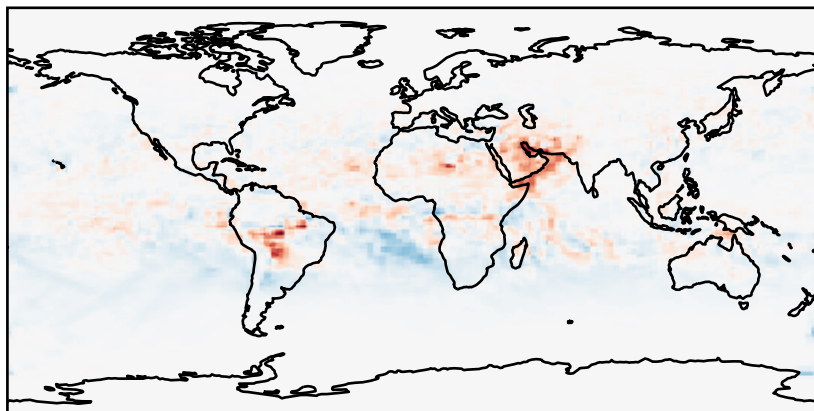
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



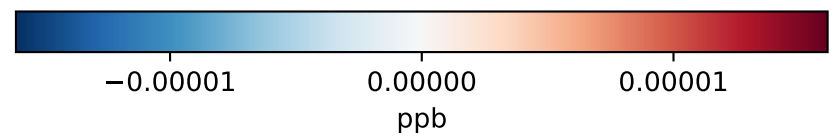
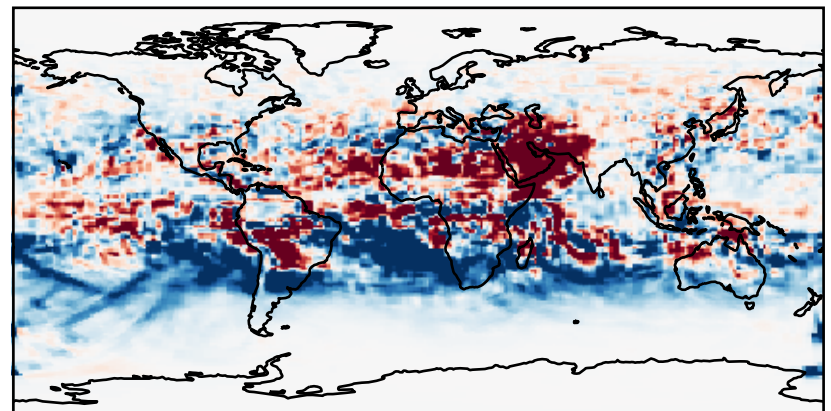
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



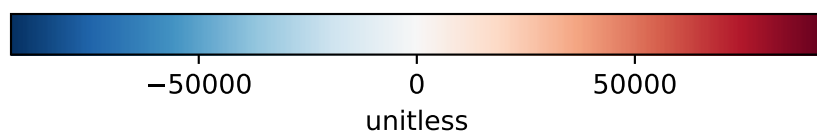
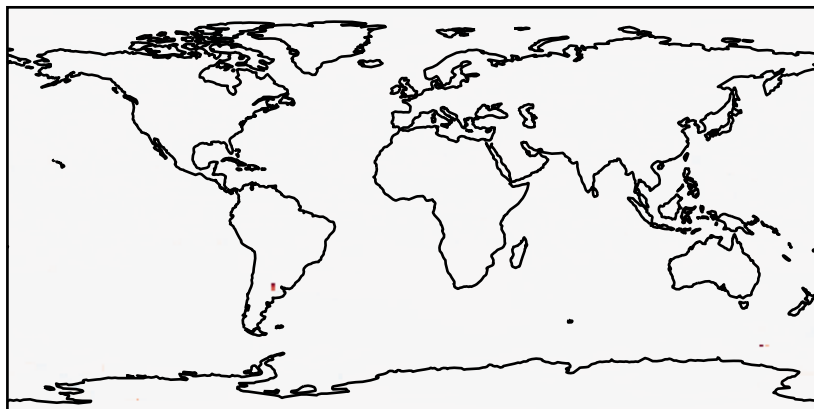
Difference (1x1.25)  
Dev - Ref, Dynamic Range



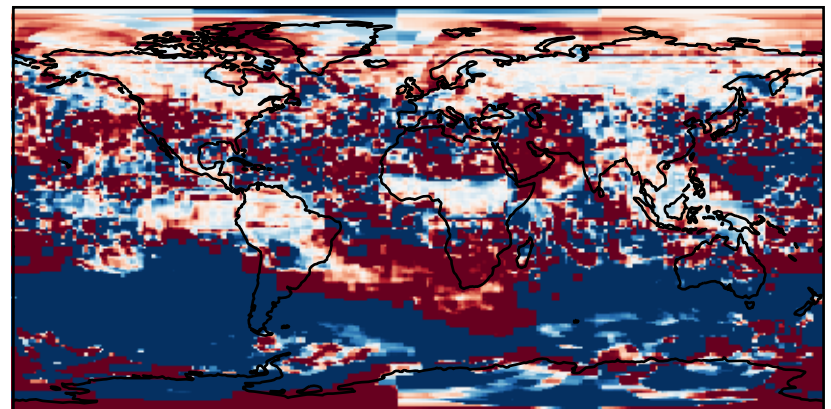
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

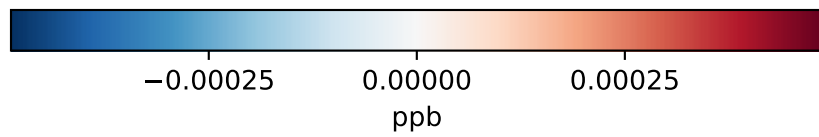
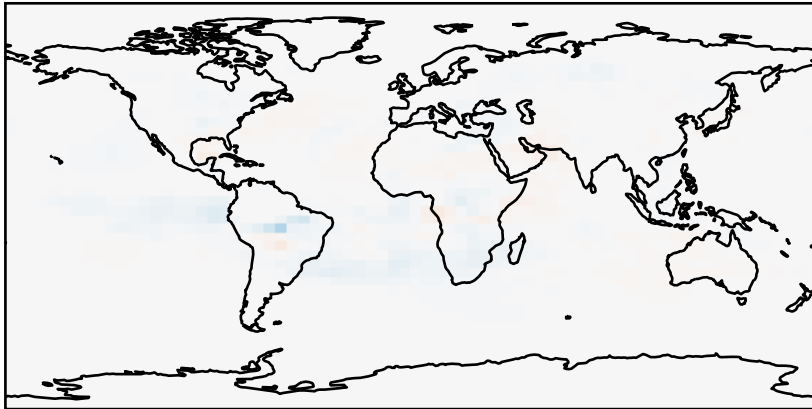


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

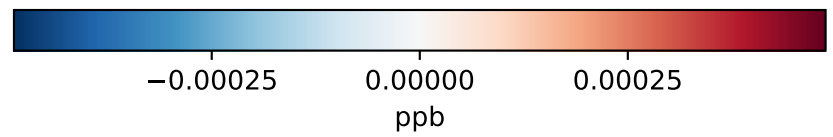
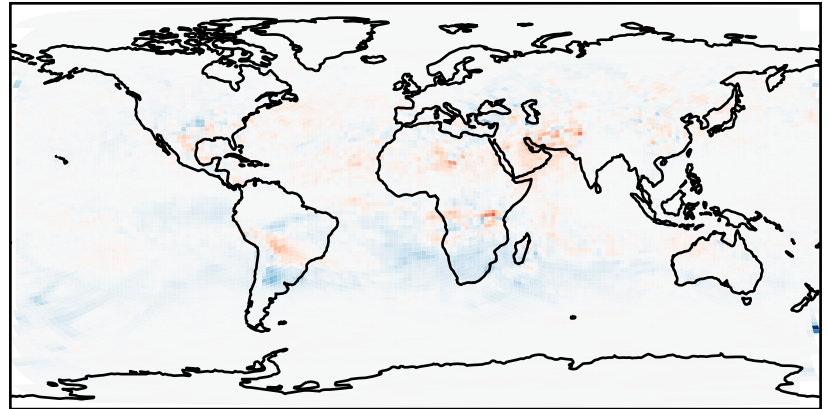


# SpeciesConc\_N2O5

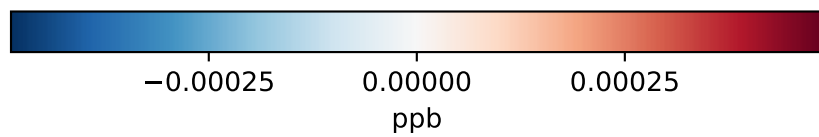
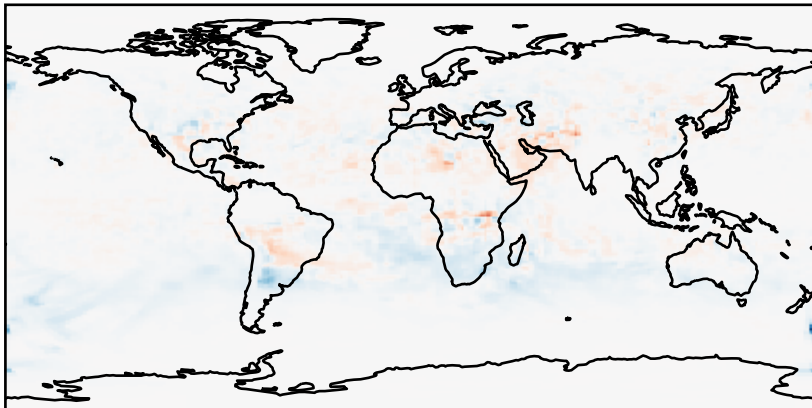
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



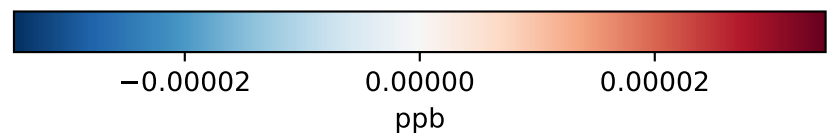
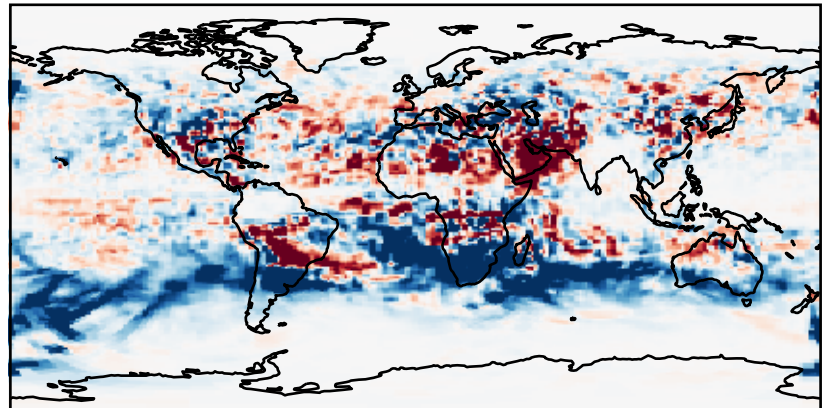
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



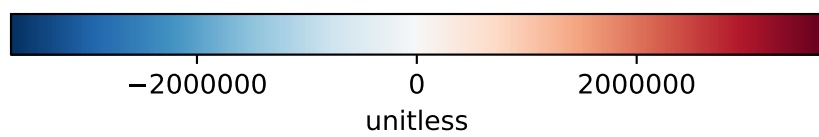
Difference (1x1.25)  
Dev - Ref, Dynamic Range



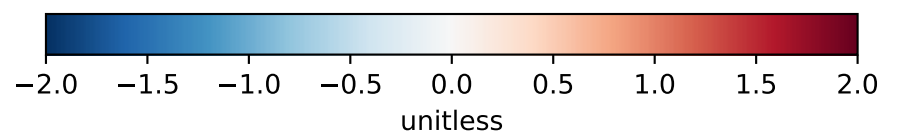
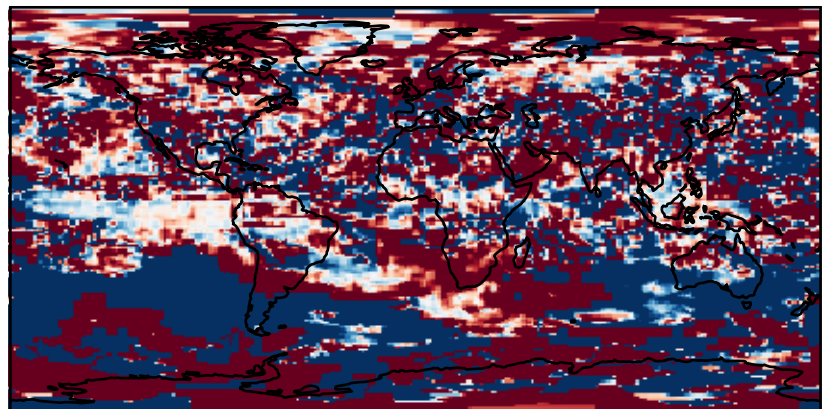
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



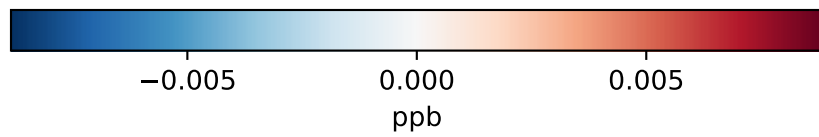
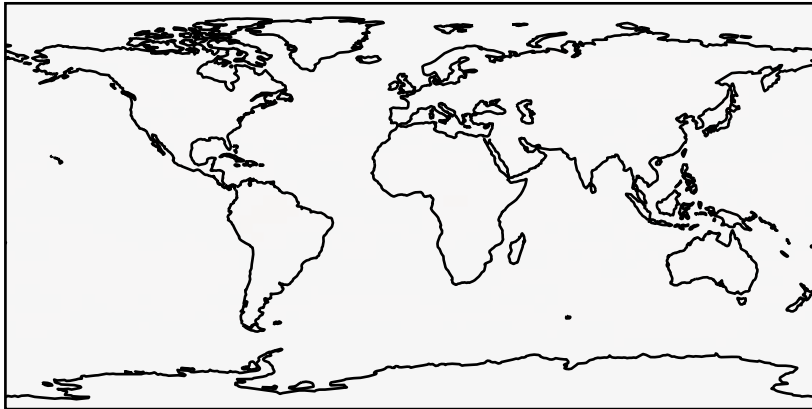
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



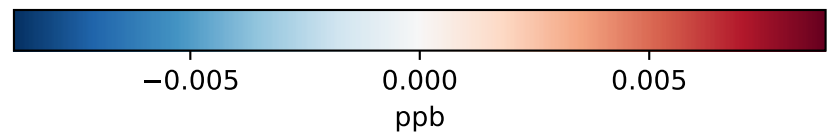
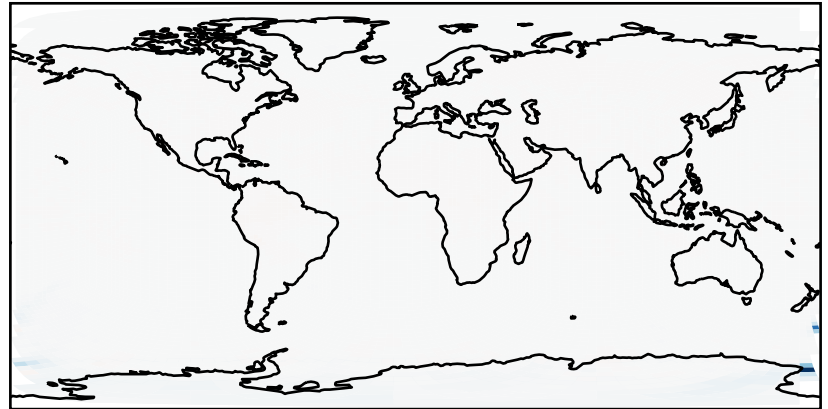


# SpeciesConc\_MPN

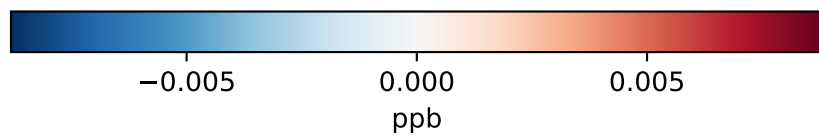
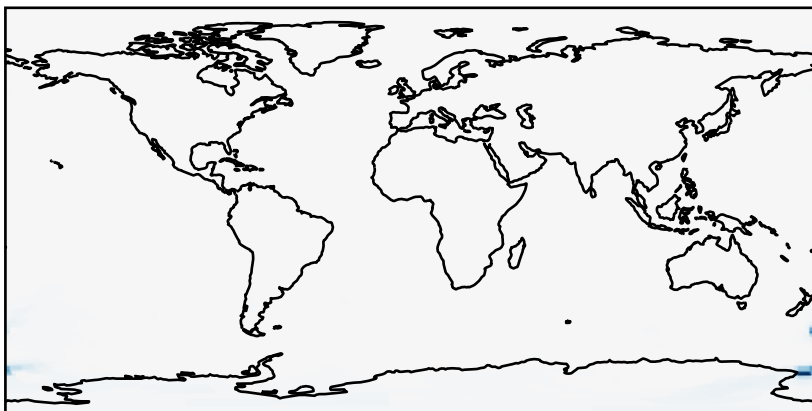
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



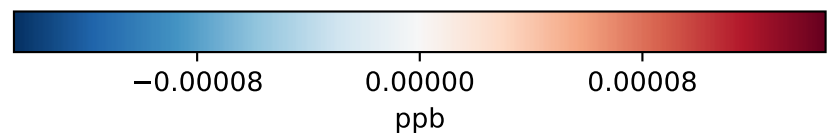
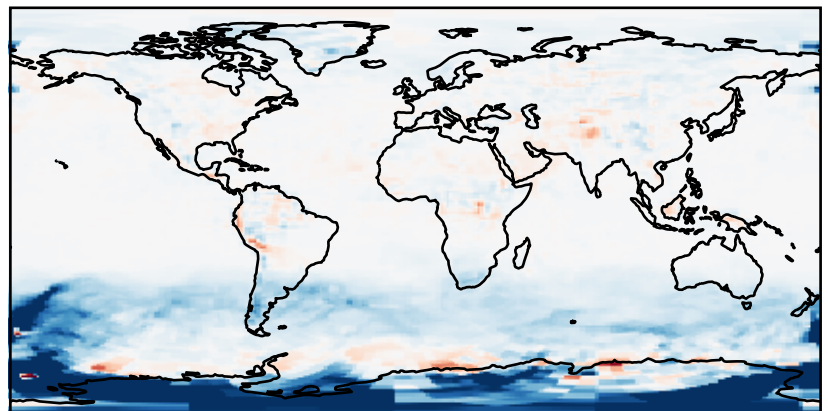
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



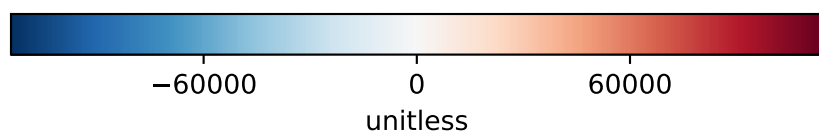
Difference (1x1.25)  
Dev - Ref, Dynamic Range



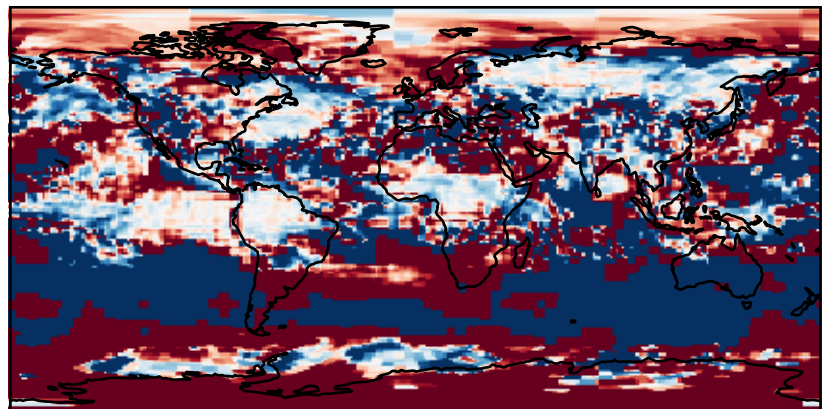
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

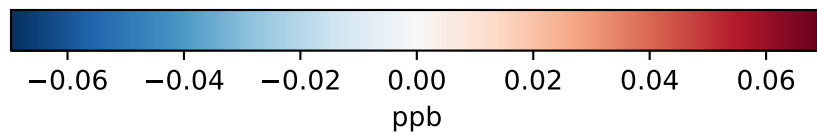
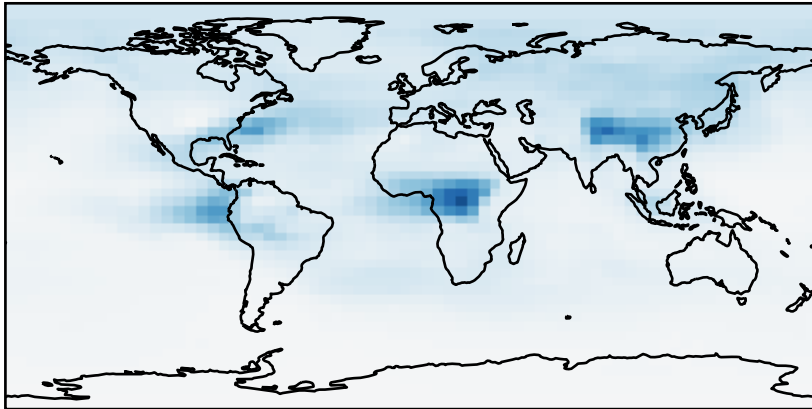


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

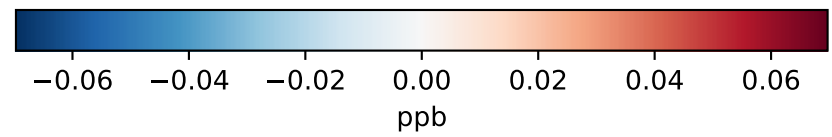
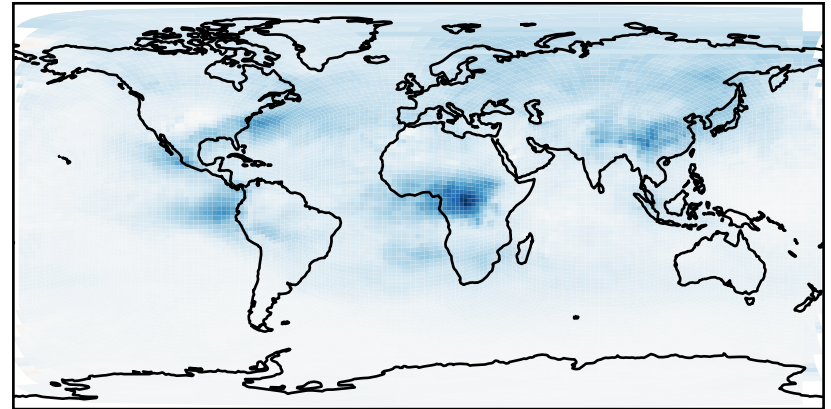


# SpeciesConc\_PAN

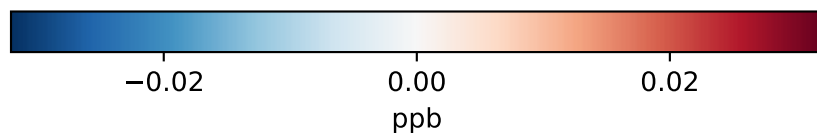
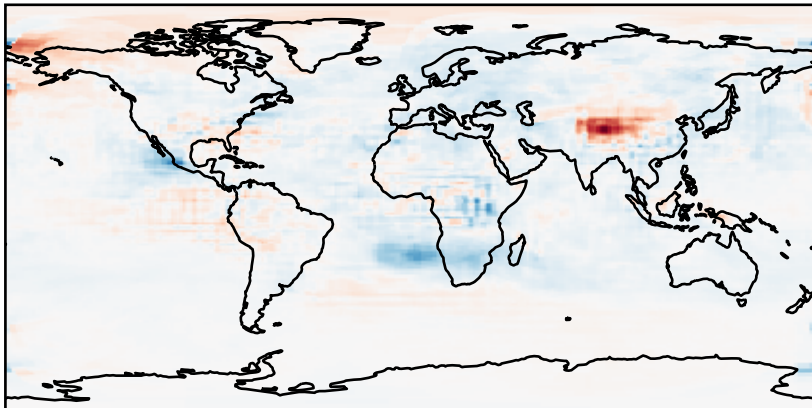
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



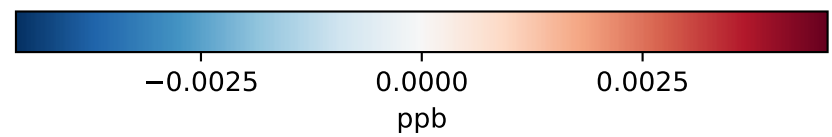
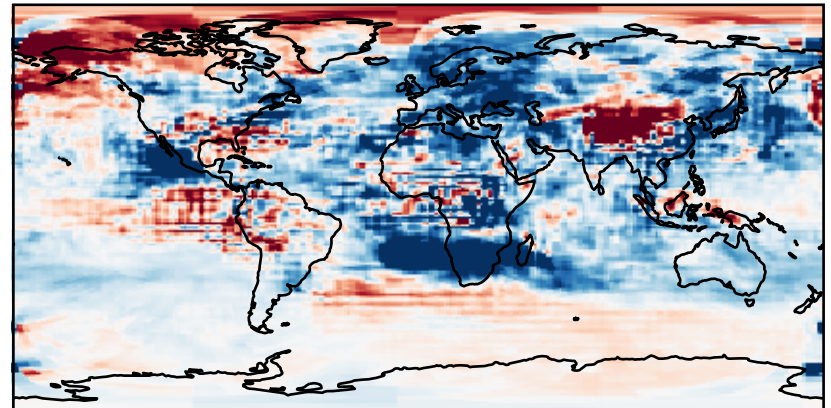
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



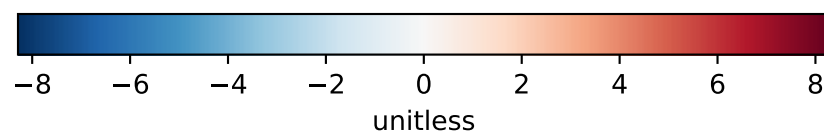
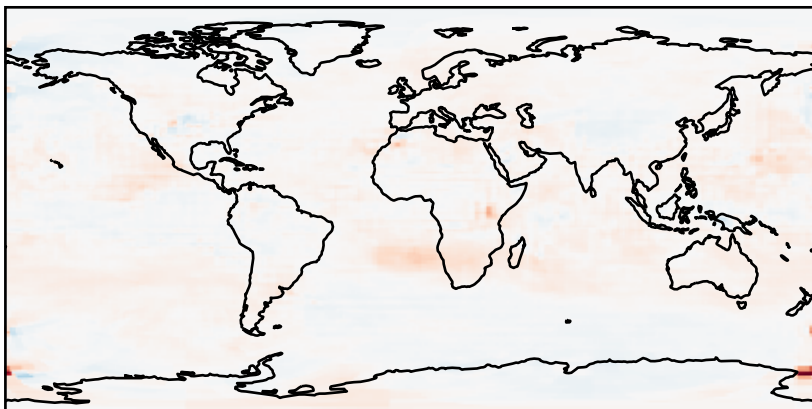
Difference (1x1.25)  
Dev - Ref, Dynamic Range



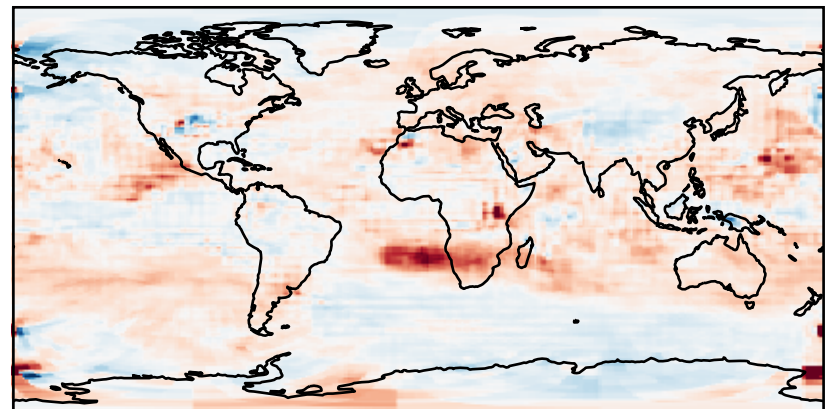
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



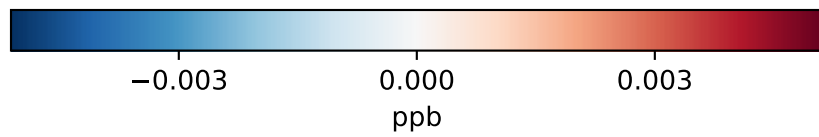
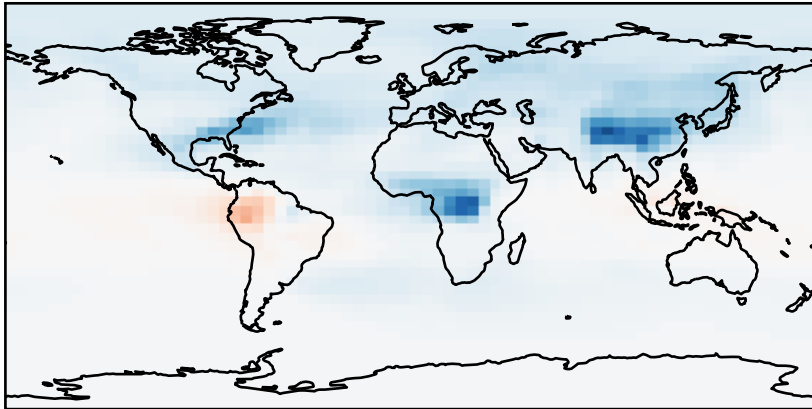
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



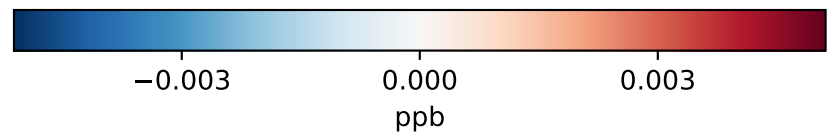
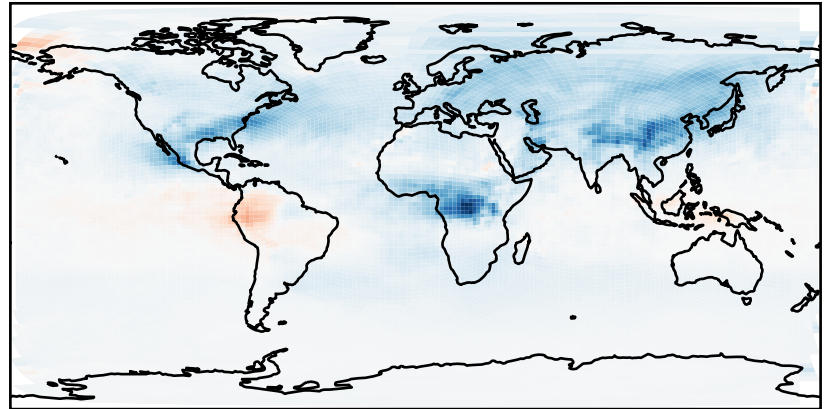


# SpeciesConc\_PPN

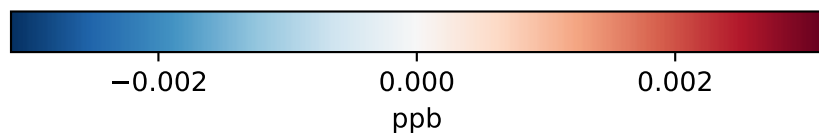
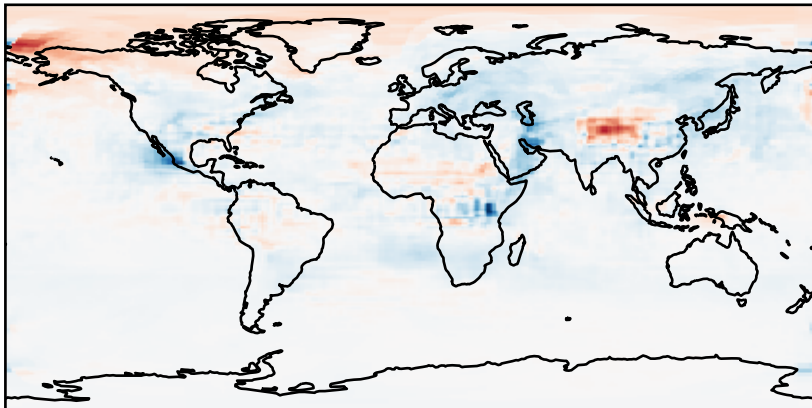
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



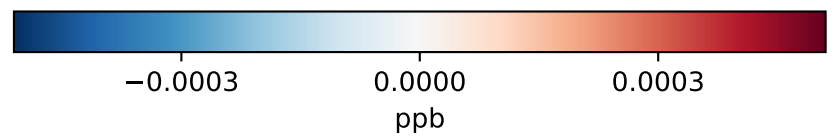
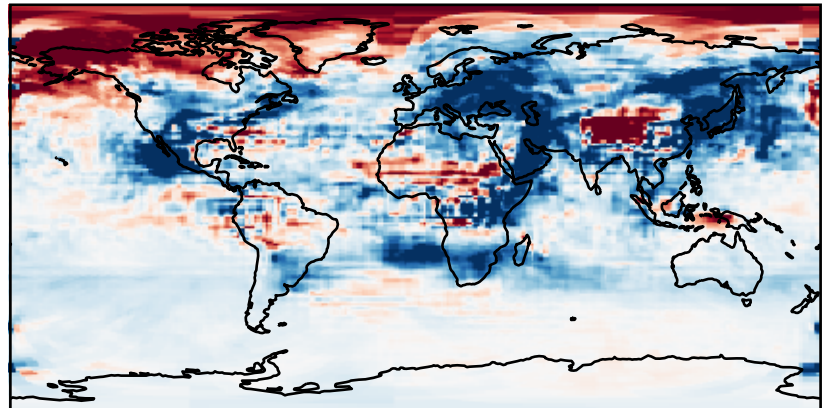
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



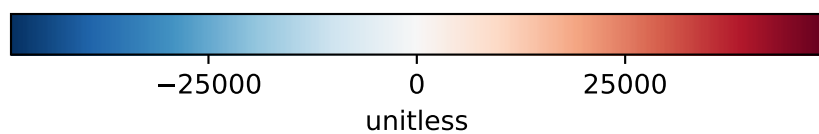
Difference (1x1.25)  
Dev - Ref, Dynamic Range



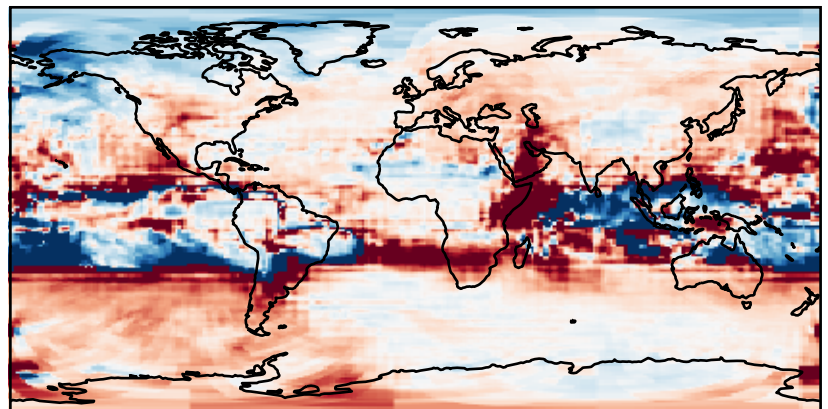
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

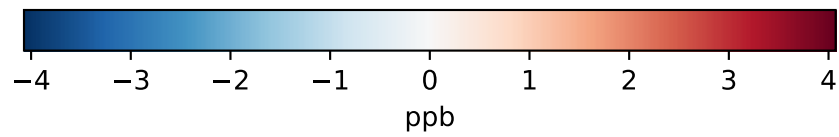
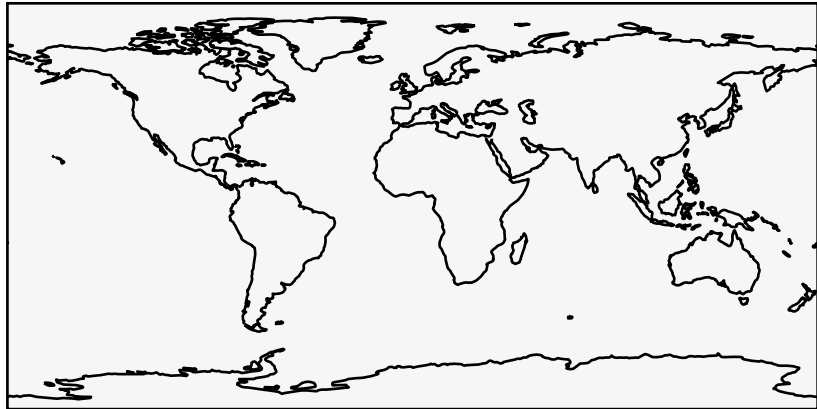


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

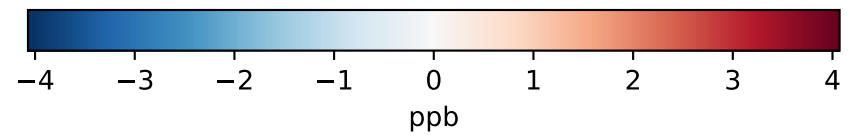
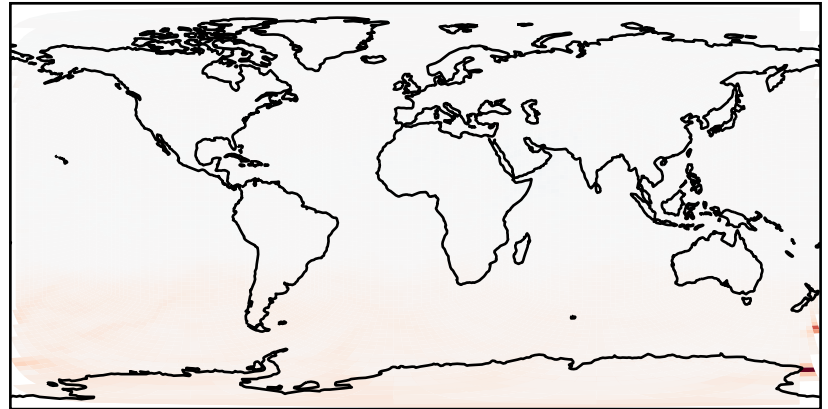


# SpeciesConc\_N2O

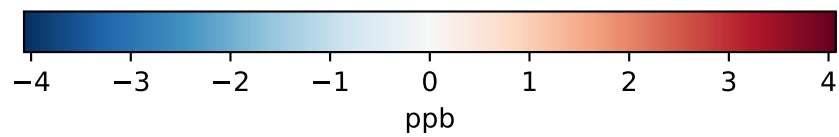
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



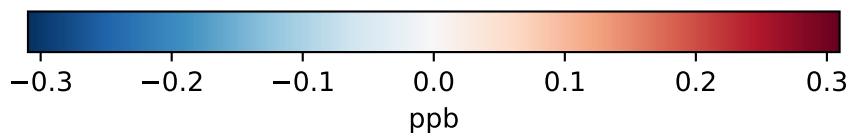
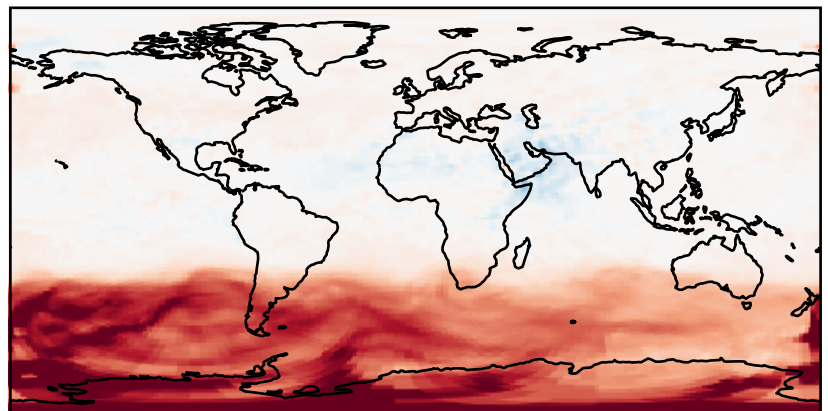
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



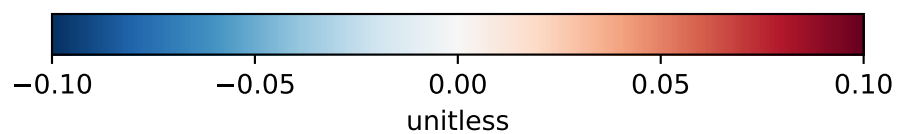
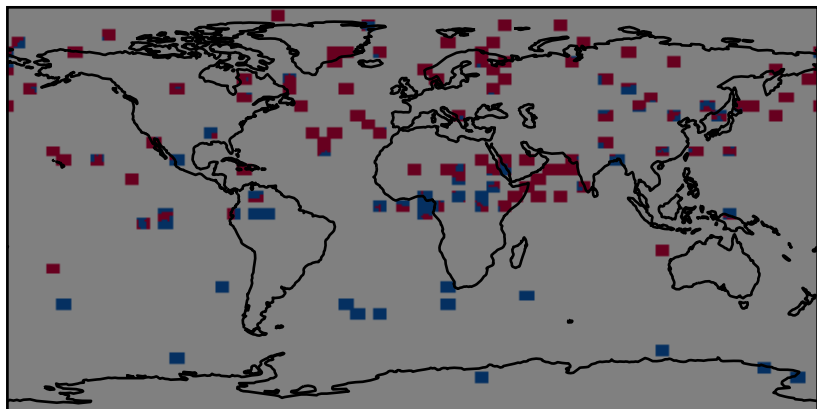
Difference (1x1.25)  
Dev - Ref, Dynamic Range



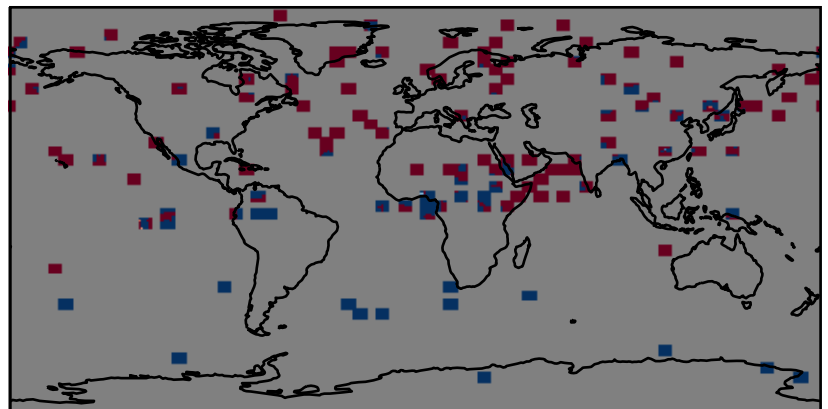
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



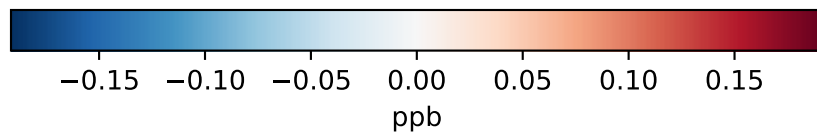
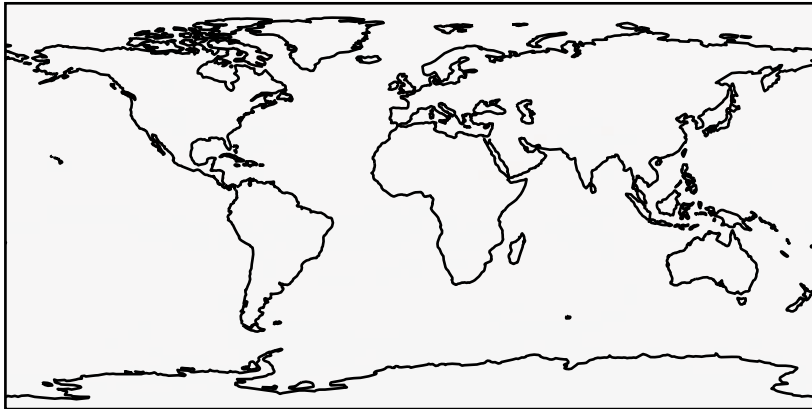
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



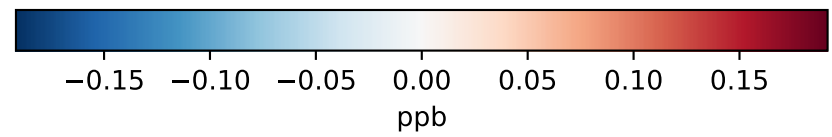
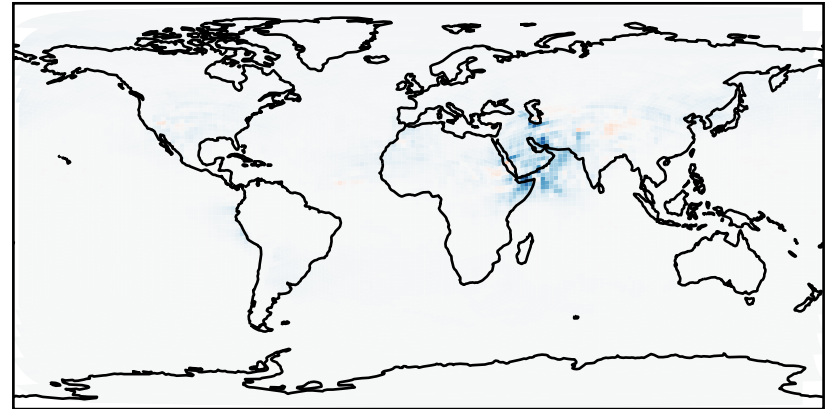


# SpeciesConc\_NHx

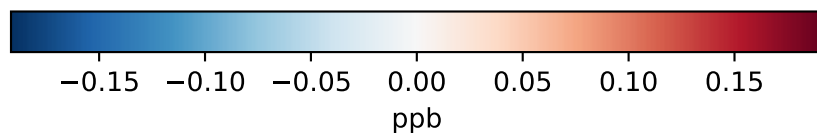
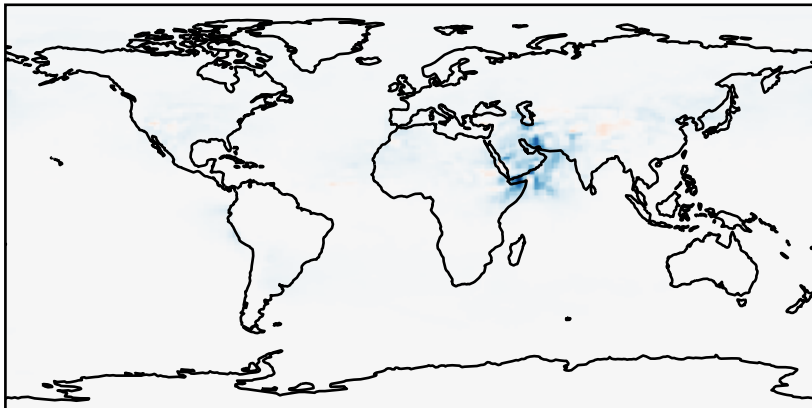
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



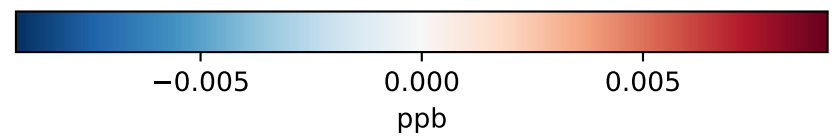
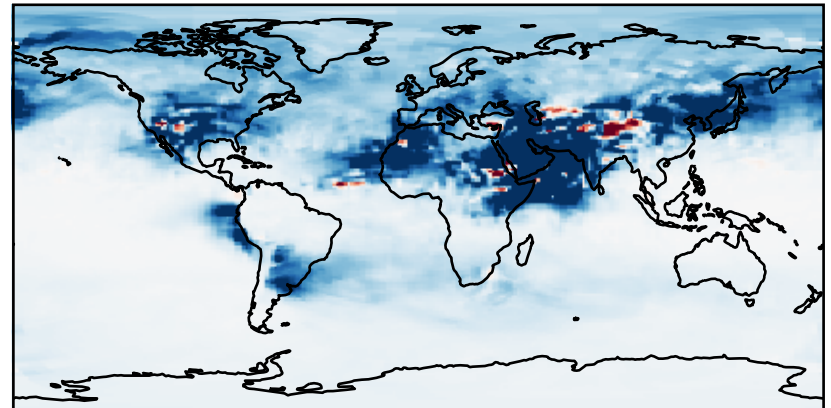
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



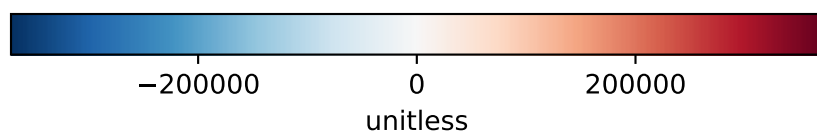
Difference (1x1.25)  
Dev - Ref, Dynamic Range



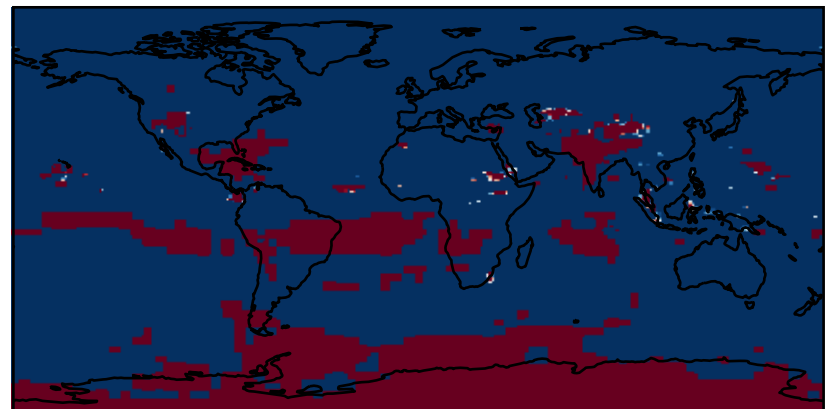
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

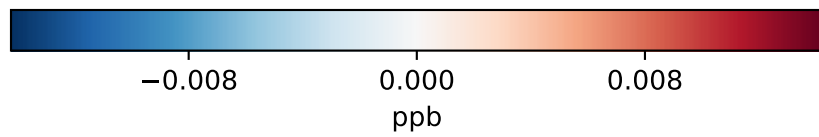
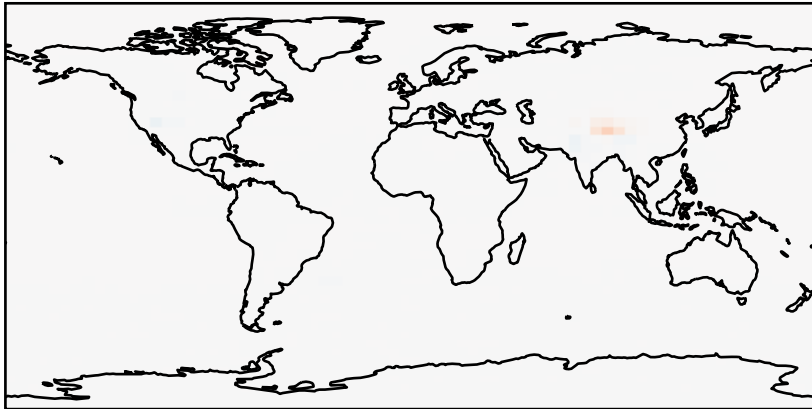


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

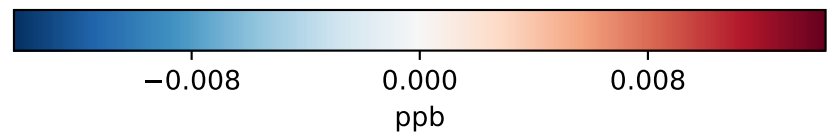
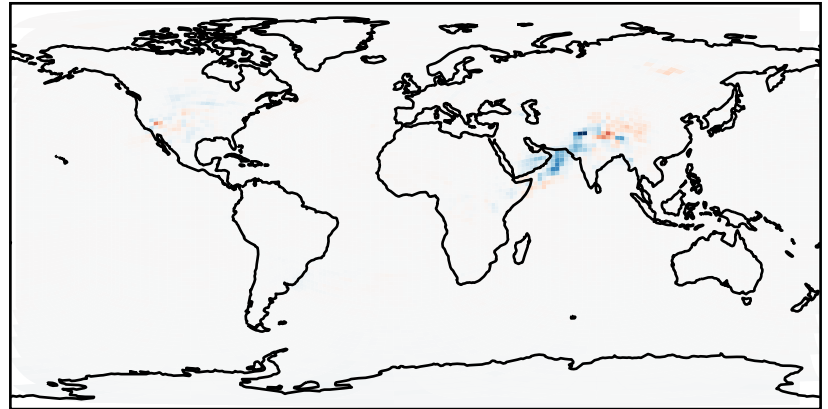


# SpeciesConc\_NH3

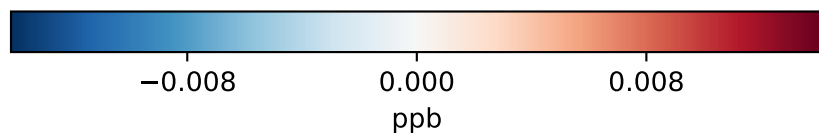
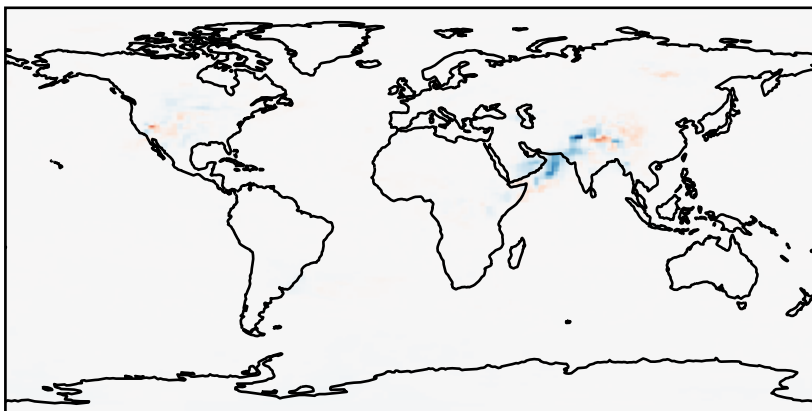
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



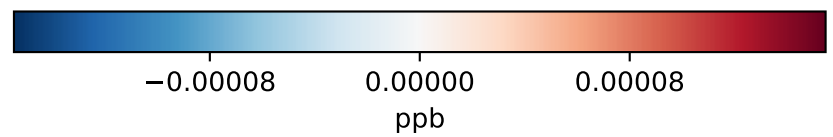
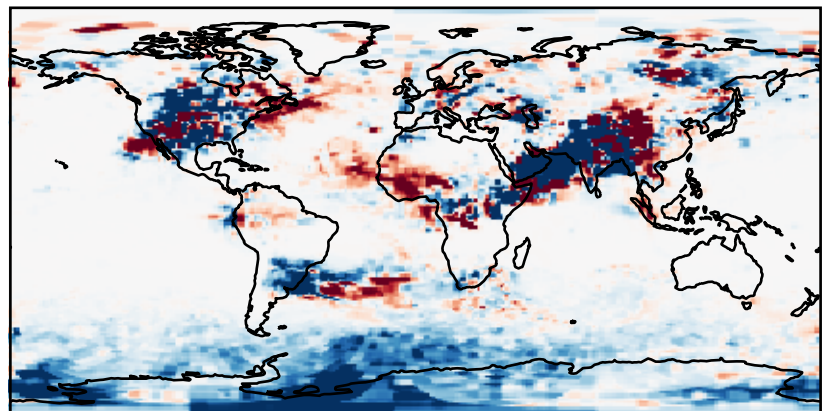
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



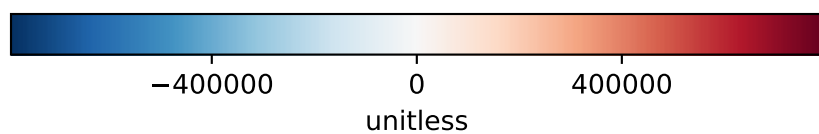
Difference (1x1.25)  
Dev - Ref, Dynamic Range



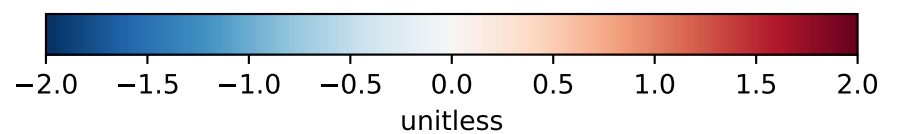
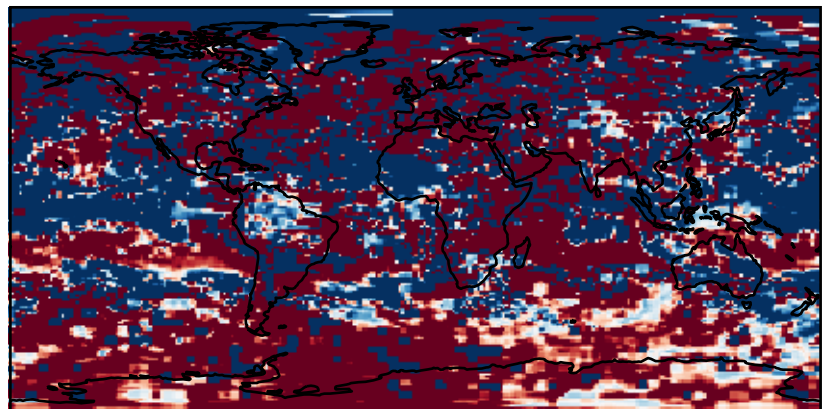
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



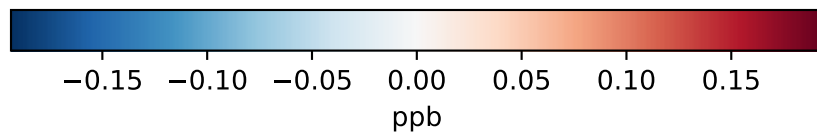
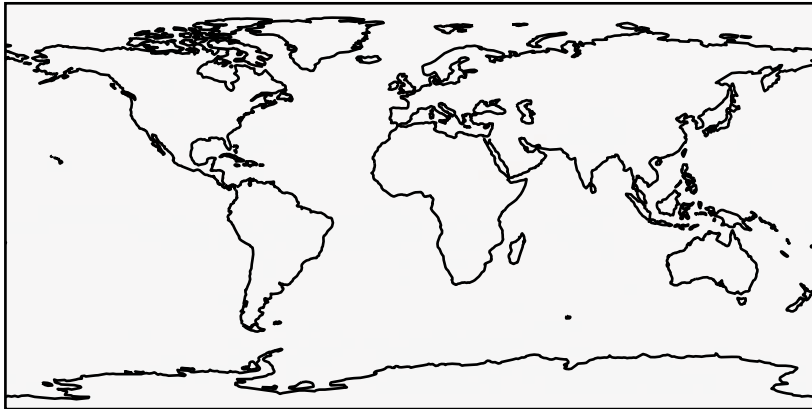
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



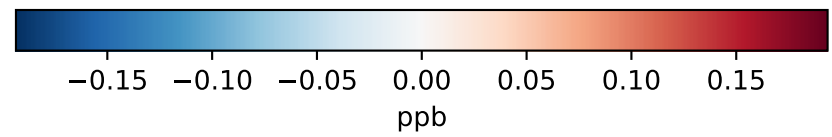
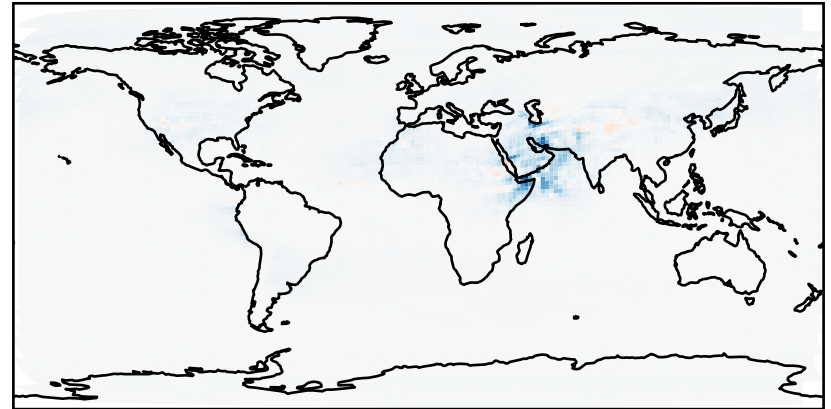


# SpeciesConc\_NH4

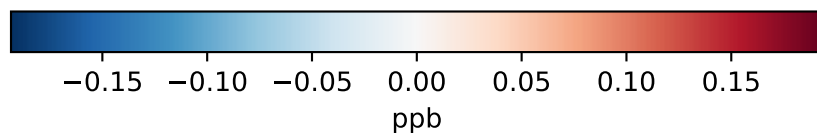
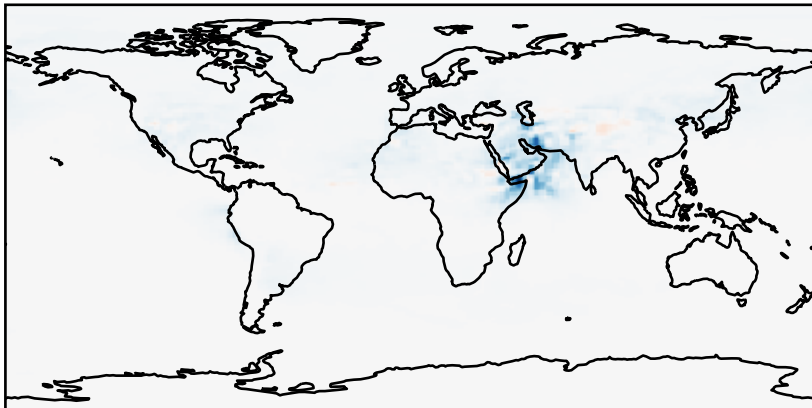
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



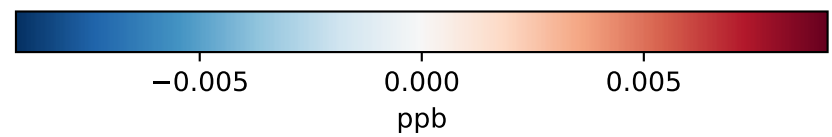
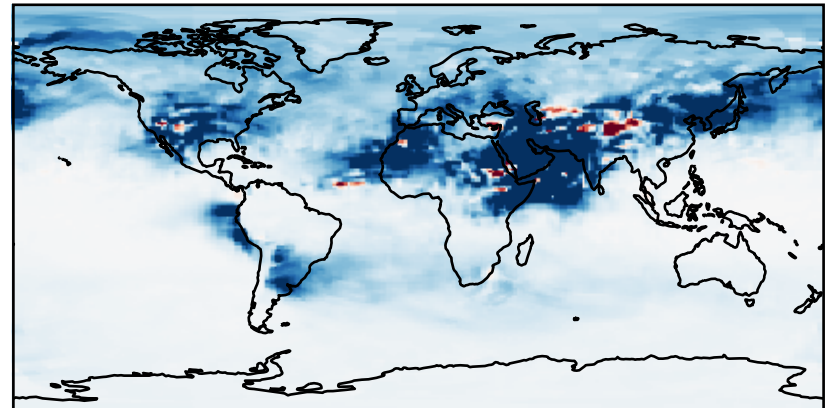
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



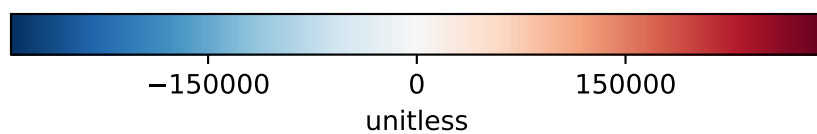
Difference (1x1.25)  
Dev - Ref, Dynamic Range



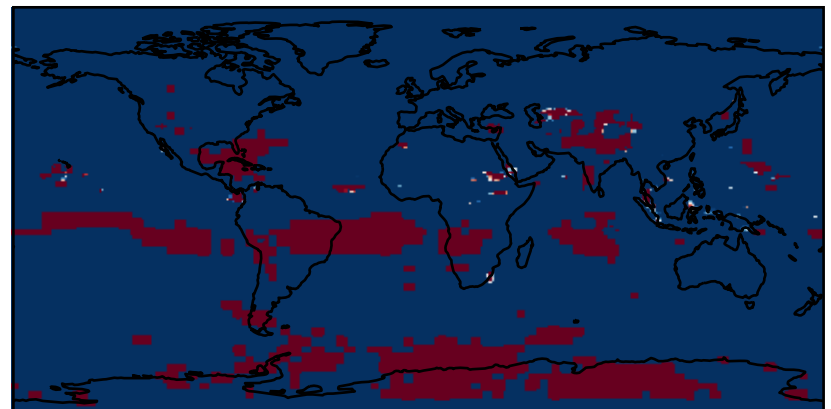
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

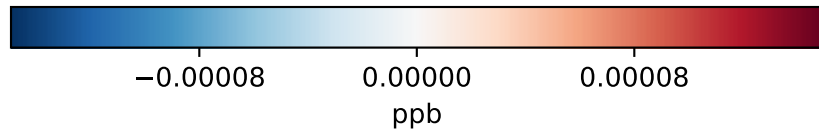
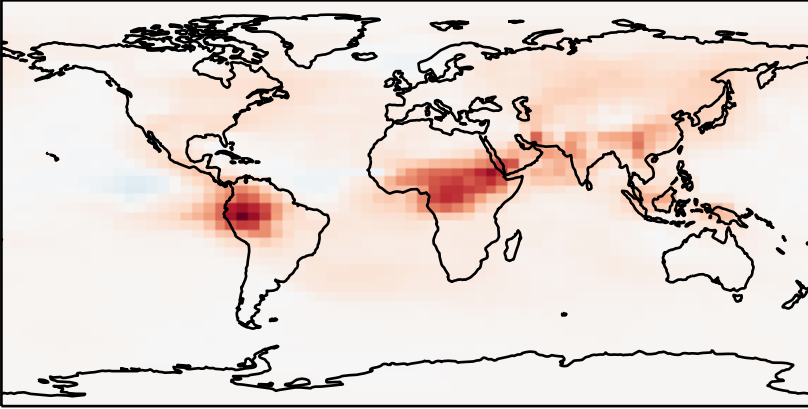


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

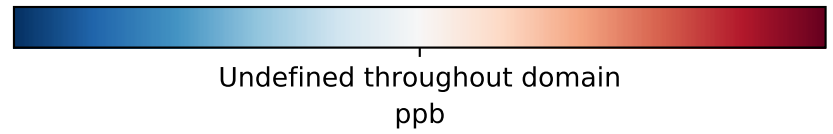
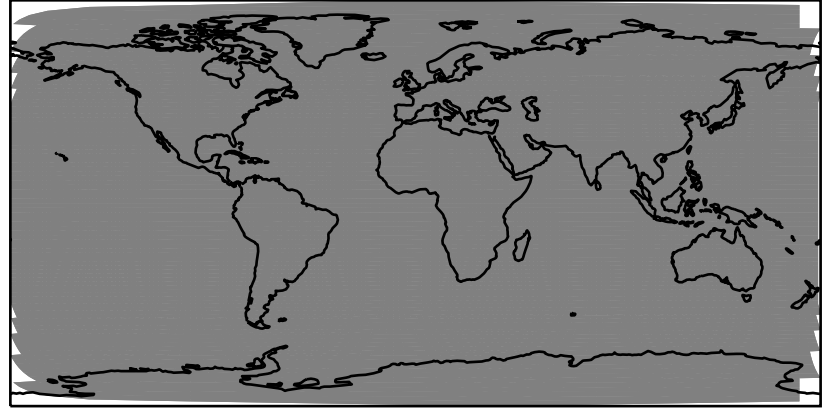


# SpeciesConc\_MENO3

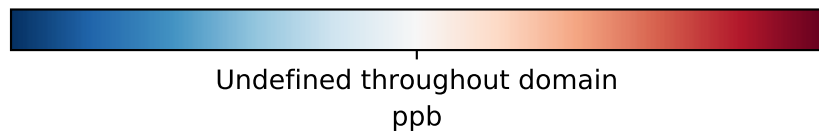
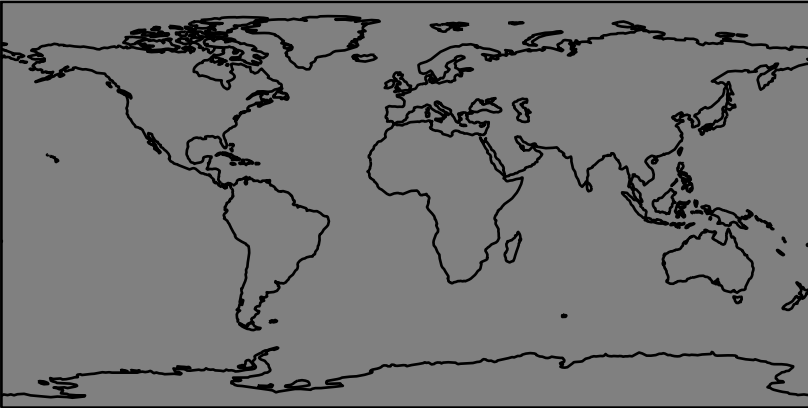
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



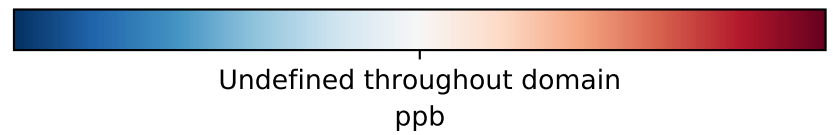
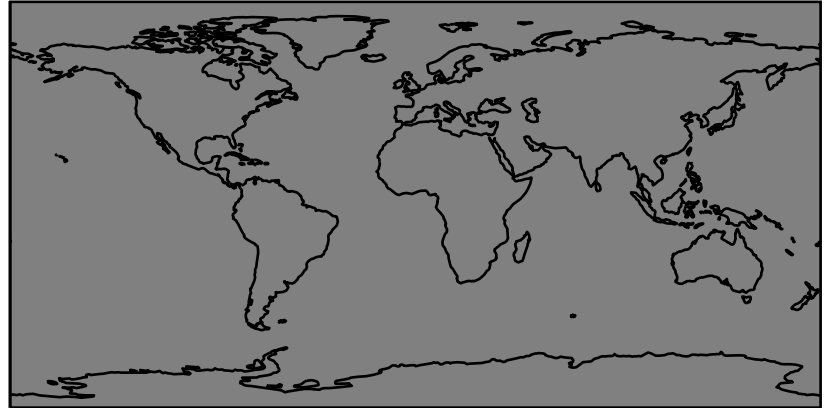
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



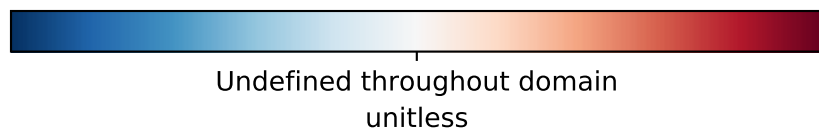
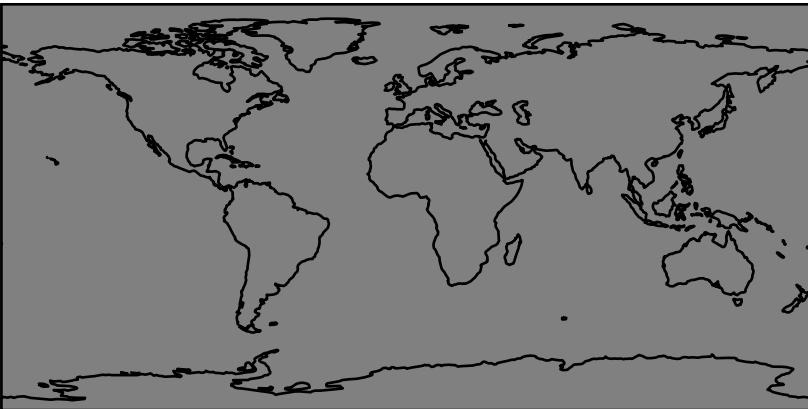
Difference (1x1.25)  
Dev - Ref, Dynamic Range



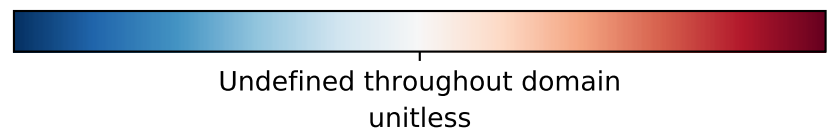
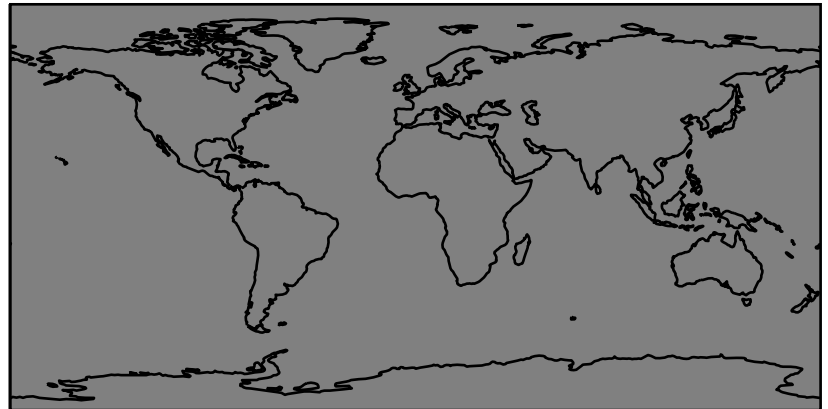
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



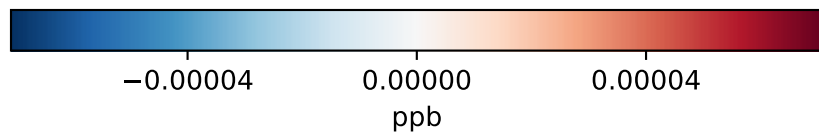
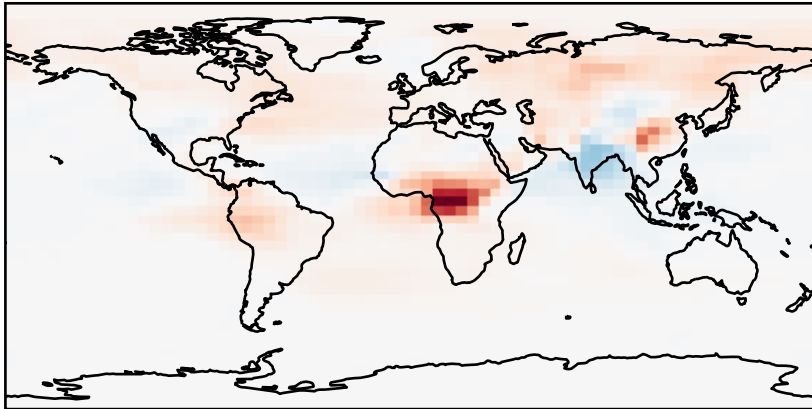
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



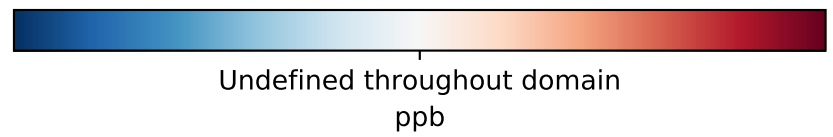
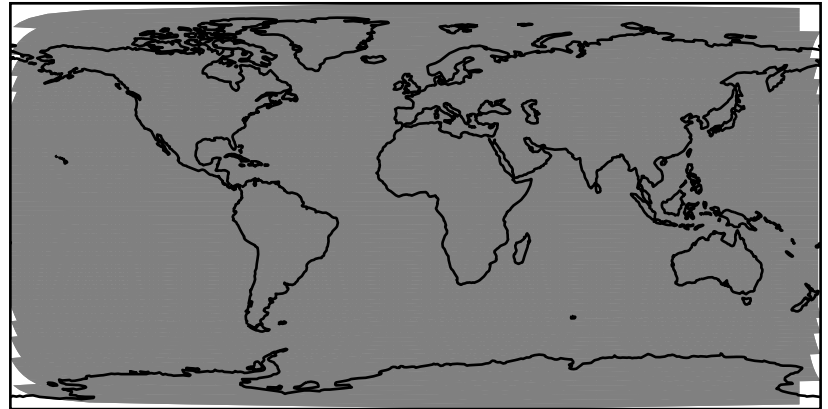


# SpeciesConc\_ETNO3

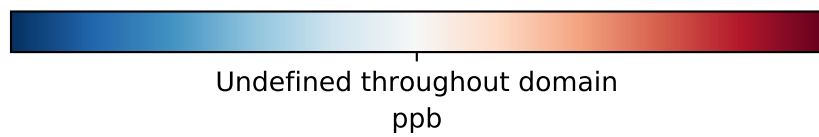
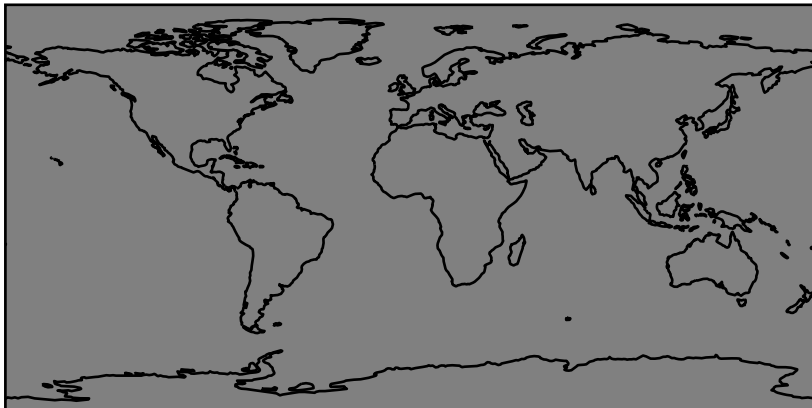
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



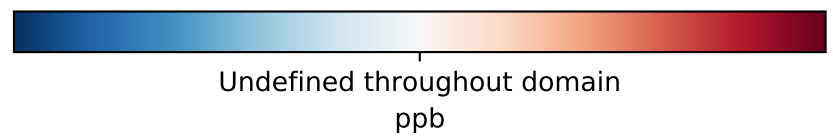
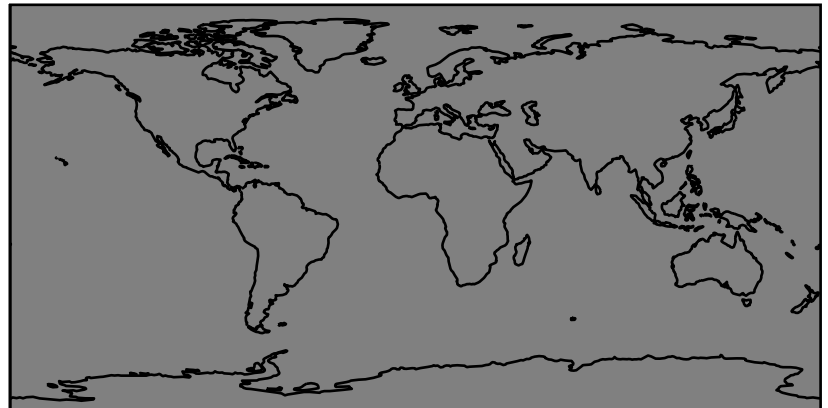
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



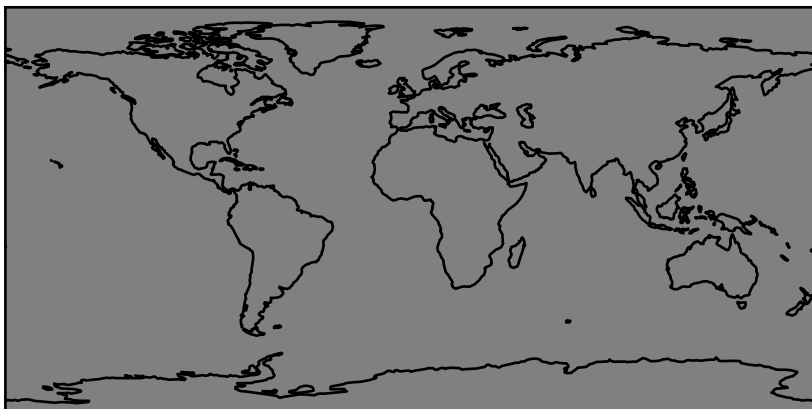
Difference (1x1.25)  
Dev - Ref, Dynamic Range



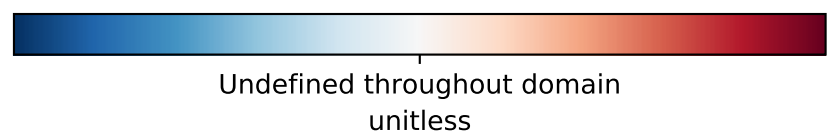
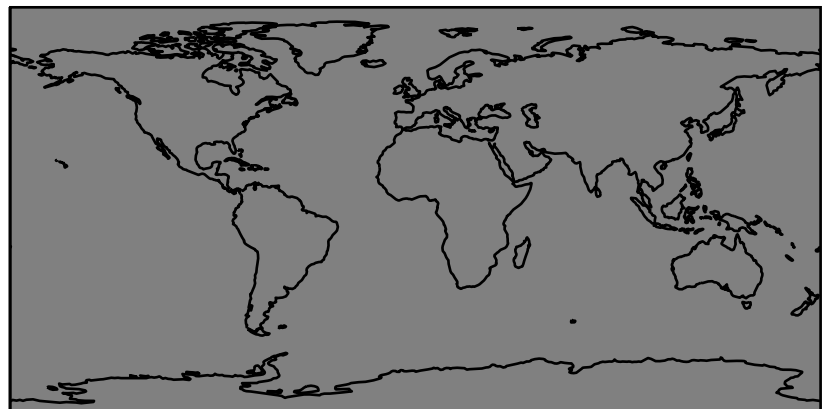
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

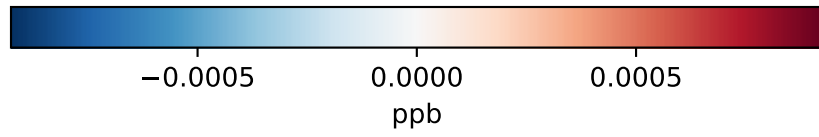
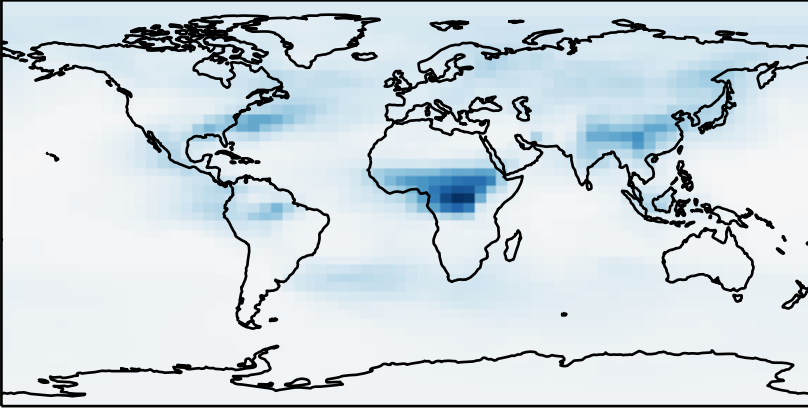


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

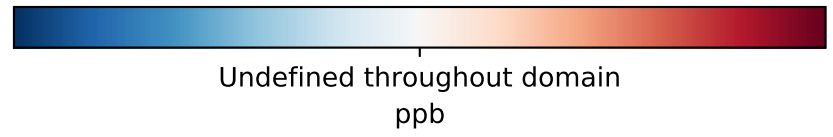
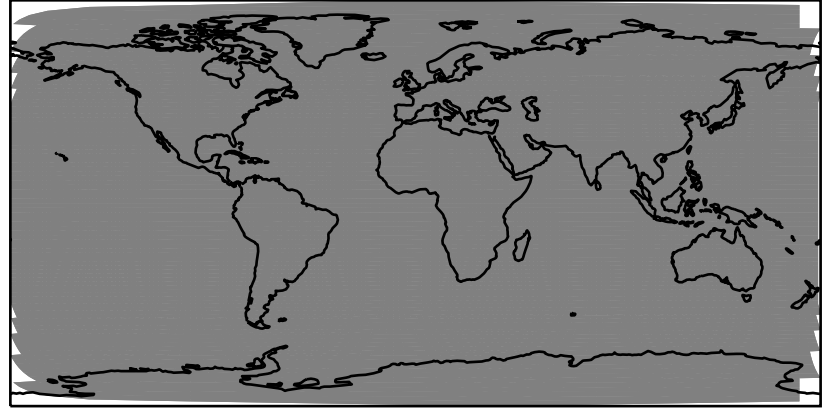


# SpeciesConc\_IPRNO3

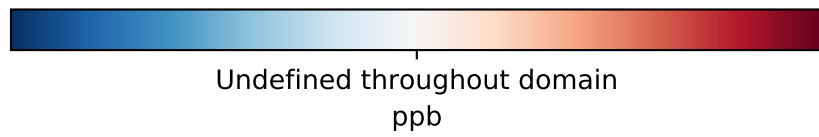
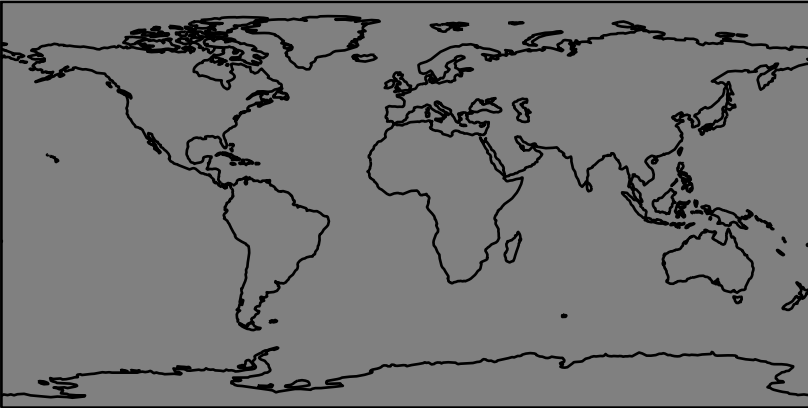
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



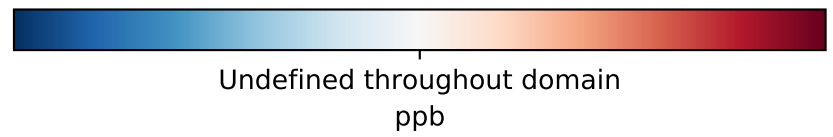
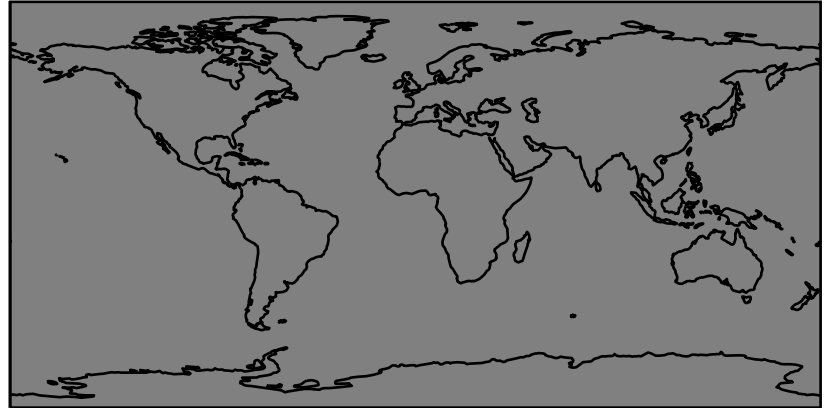
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



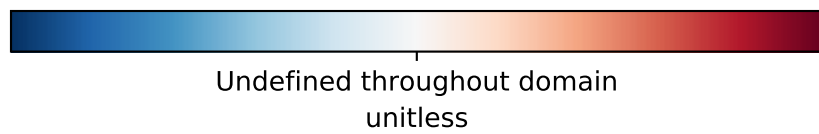
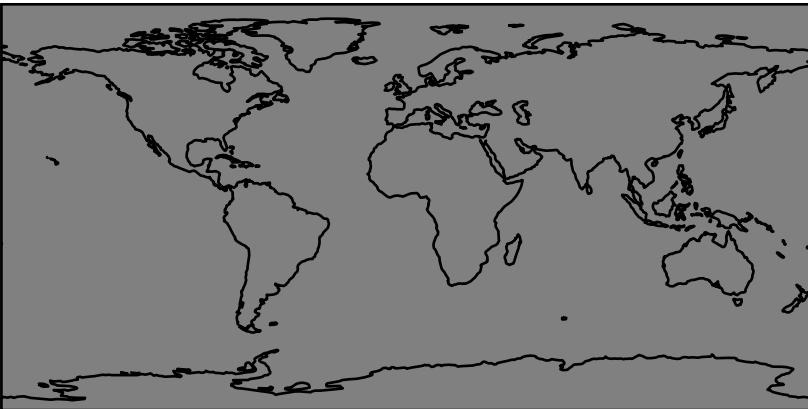
Difference (1x1.25)  
Dev - Ref, Dynamic Range



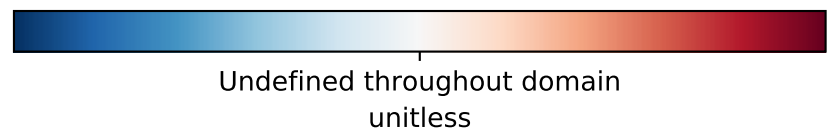
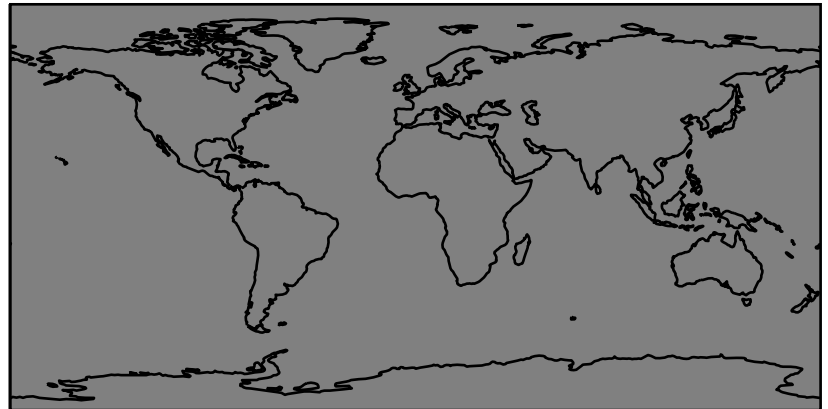
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



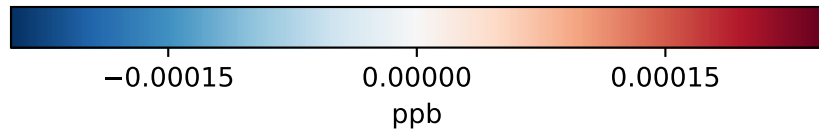
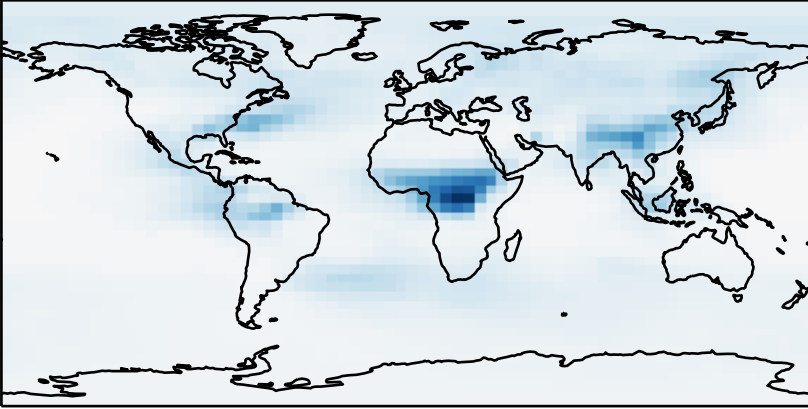
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



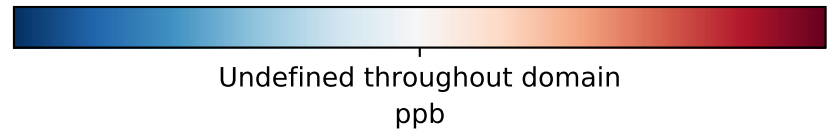
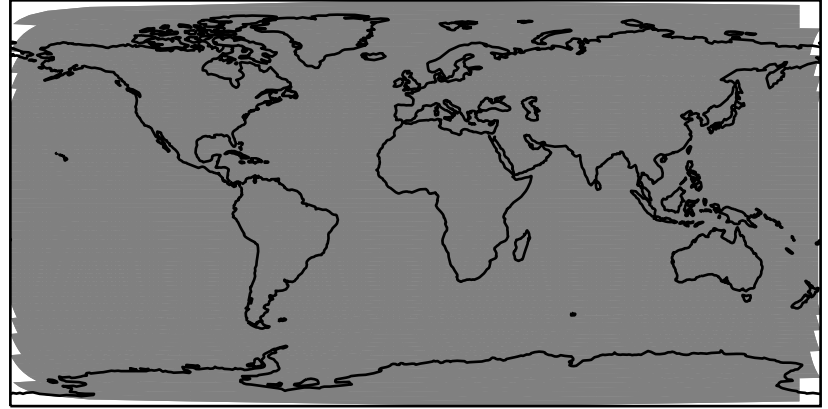


# SpeciesConc\_NPRNO3

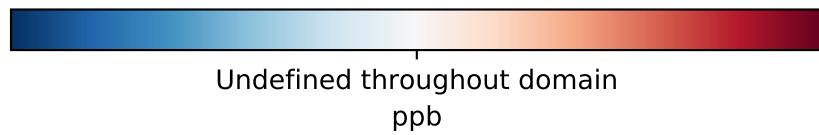
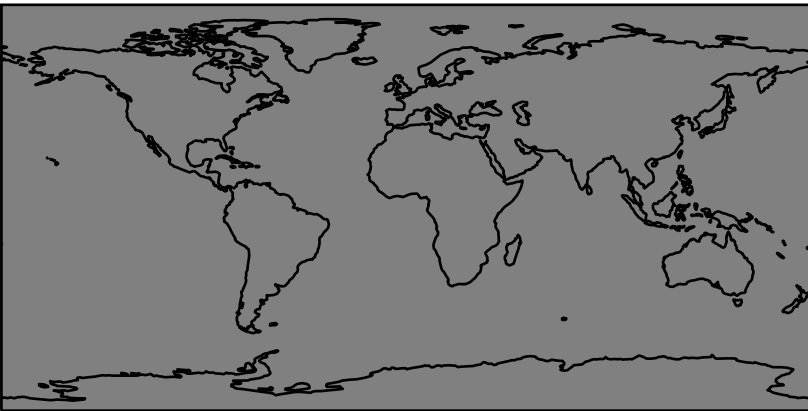
GC\_12.8.0 - GC\_12.7.0 (Ref)  
4.0x5.0



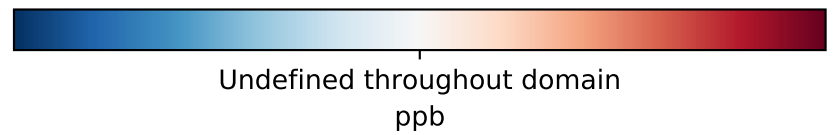
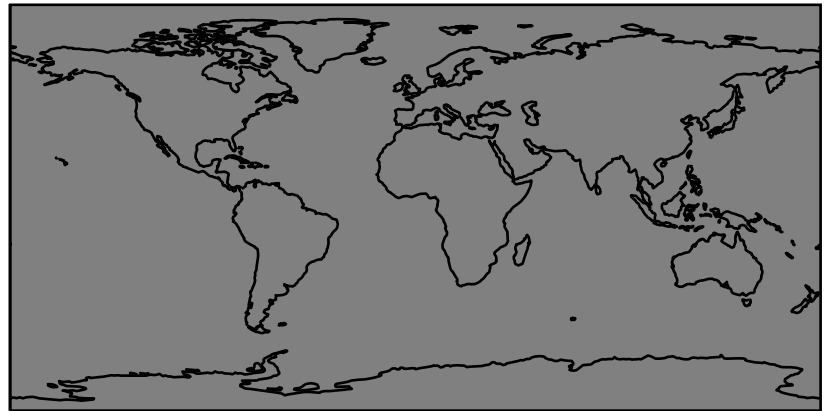
GCHP\_12.8.0 - GCHP\_12.7.0 (Dev)  
c48



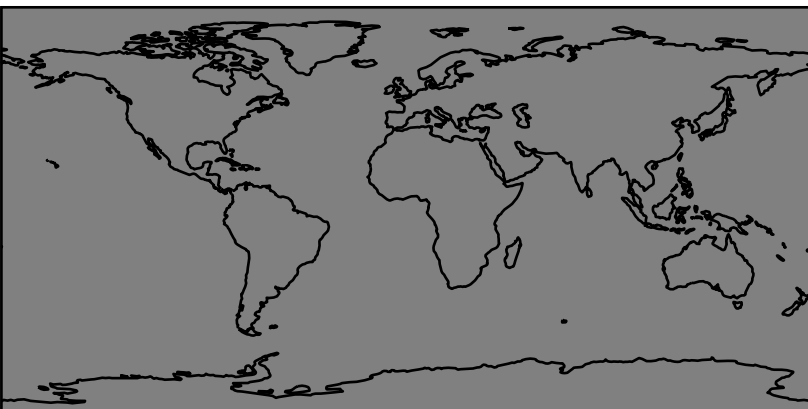
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

