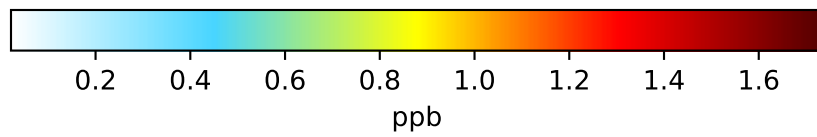
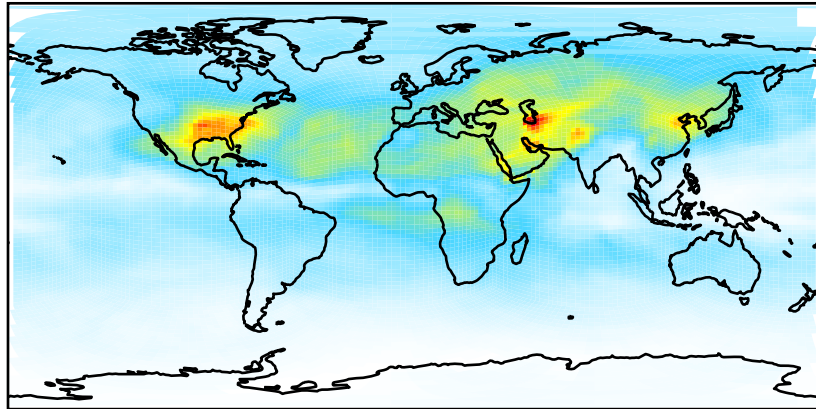
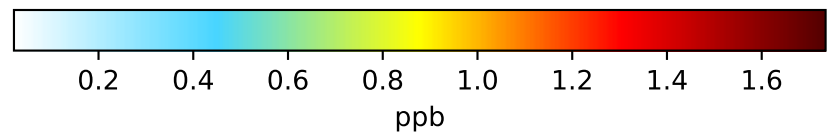
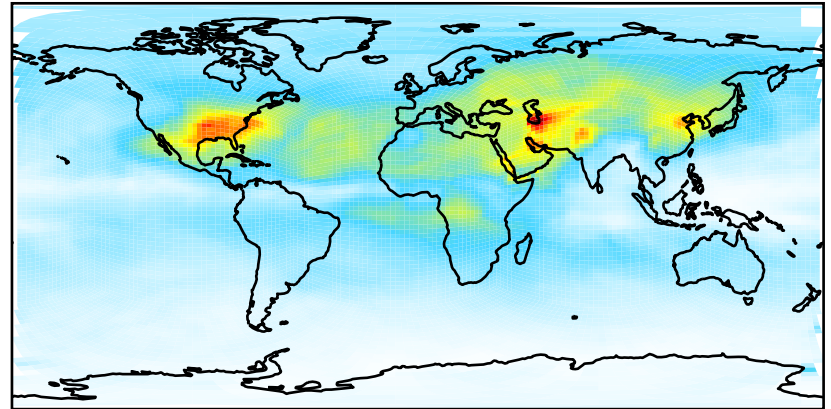


# SpeciesConc\_NOy

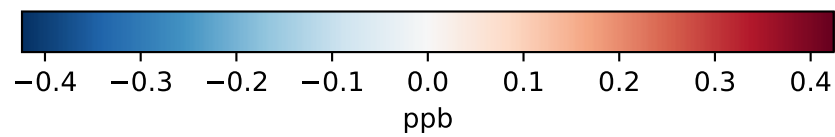
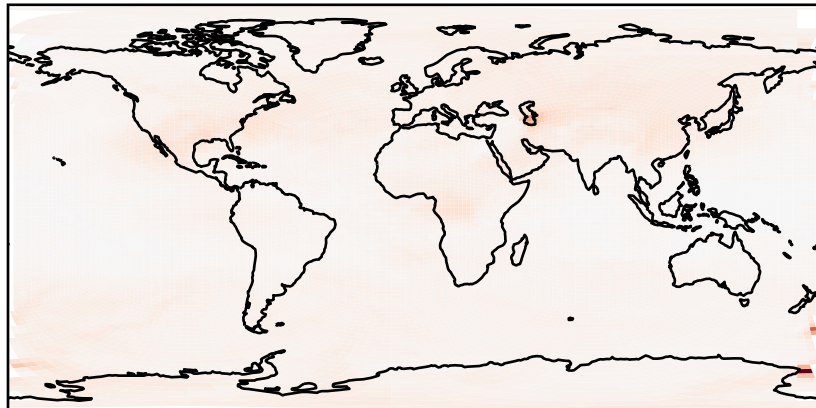
GCHP\_12.4.0 (Ref)  
c48



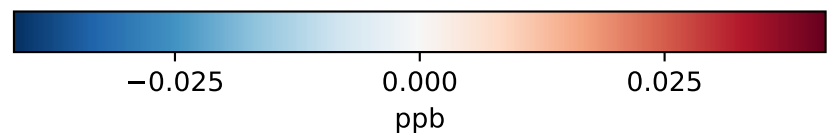
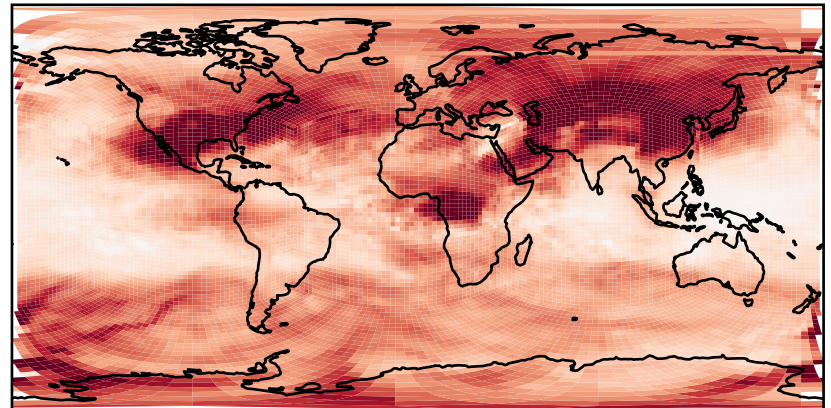
GCHP\_12.5.0 (Dev)  
c48



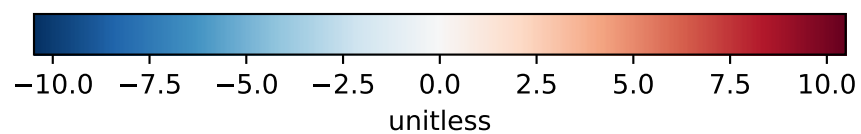
Difference  
Dev - Ref, Dynamic Range



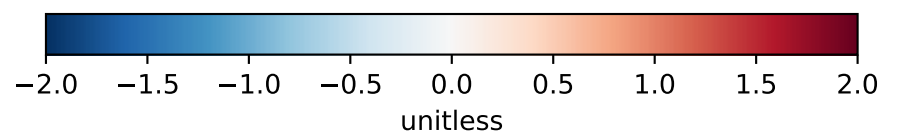
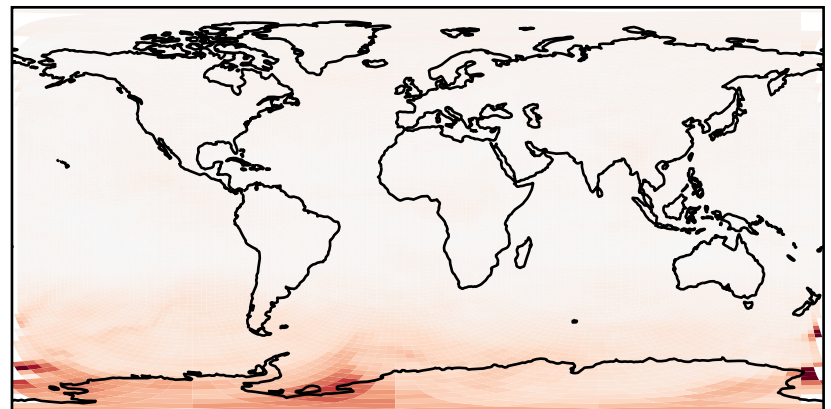
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

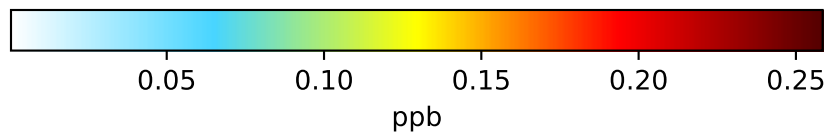
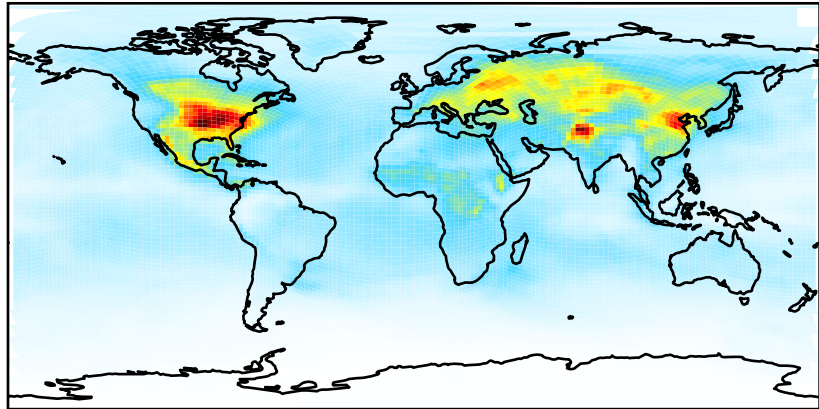


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

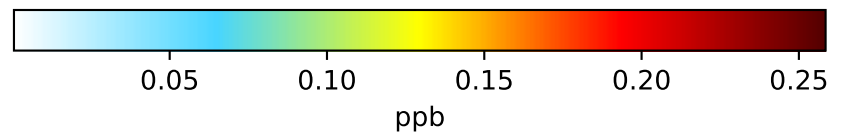
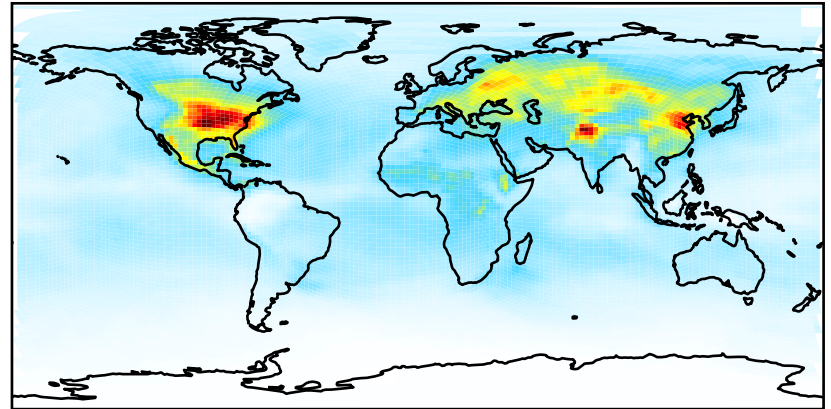


# SpeciesConc\_NOx

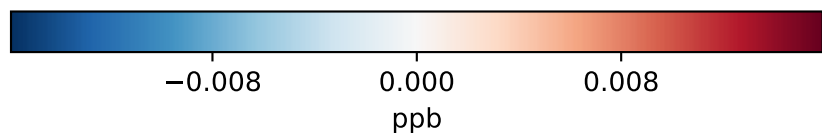
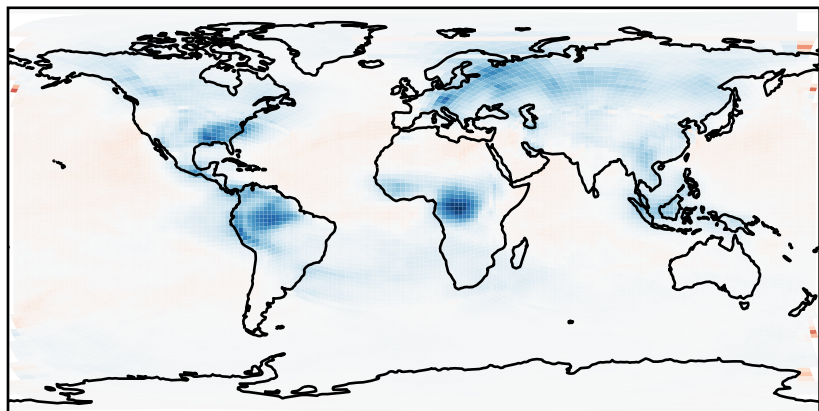
GCHP\_12.4.0 (Ref)  
c48



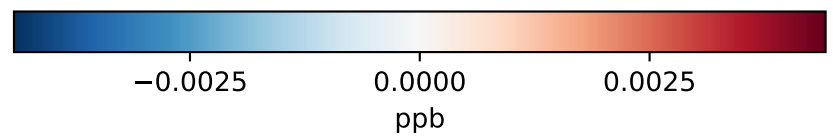
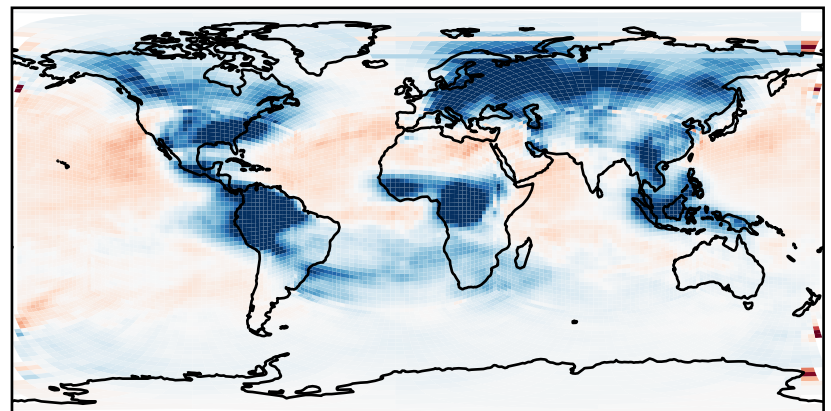
GCHP\_12.5.0 (Dev)  
c48



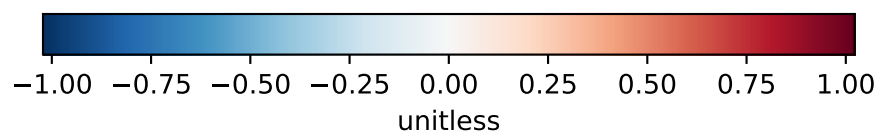
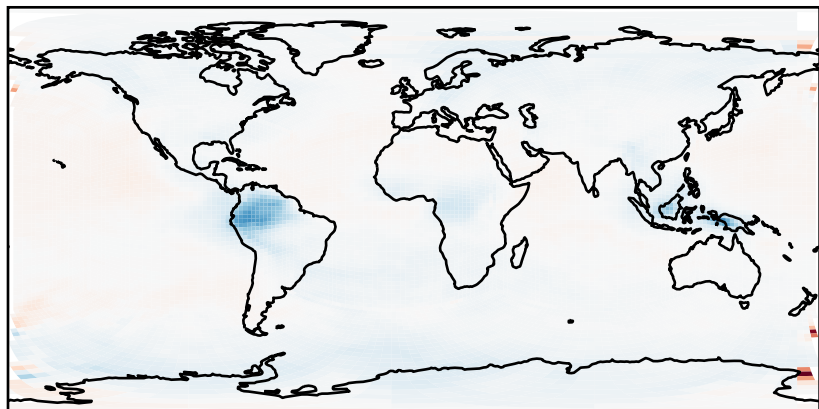
Difference  
Dev - Ref, Dynamic Range



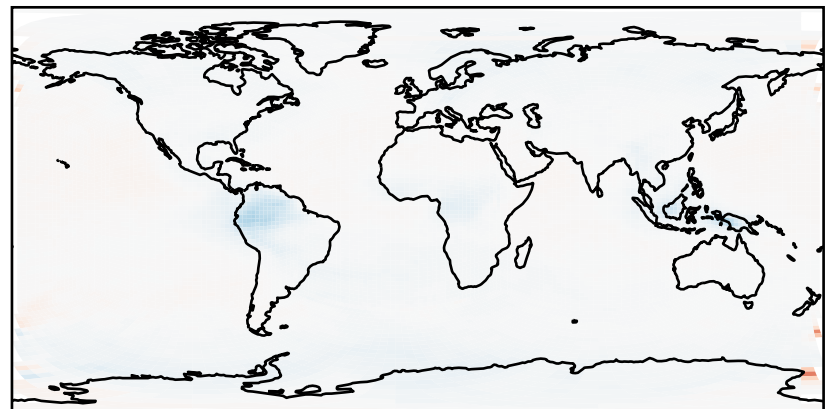
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



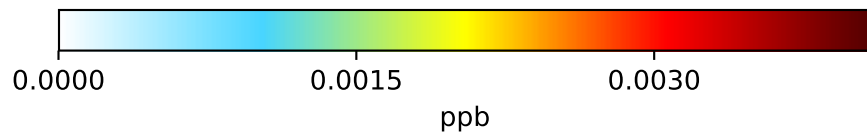
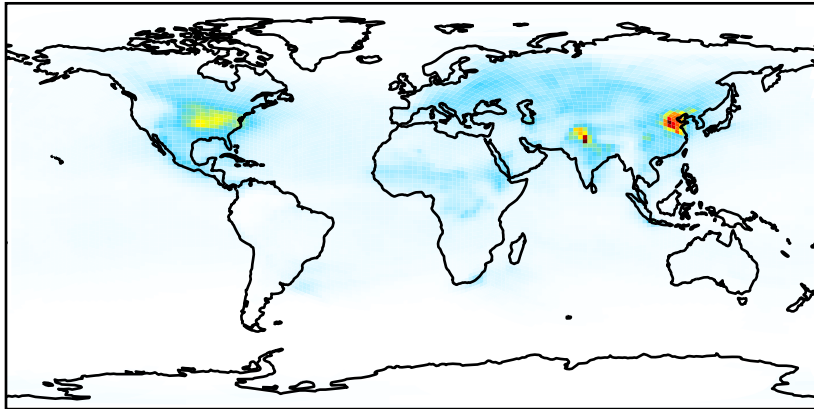
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



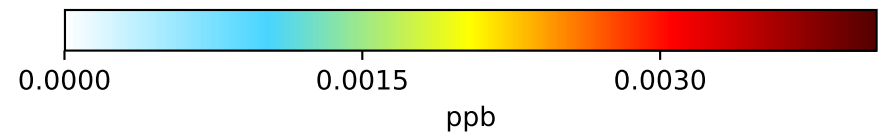
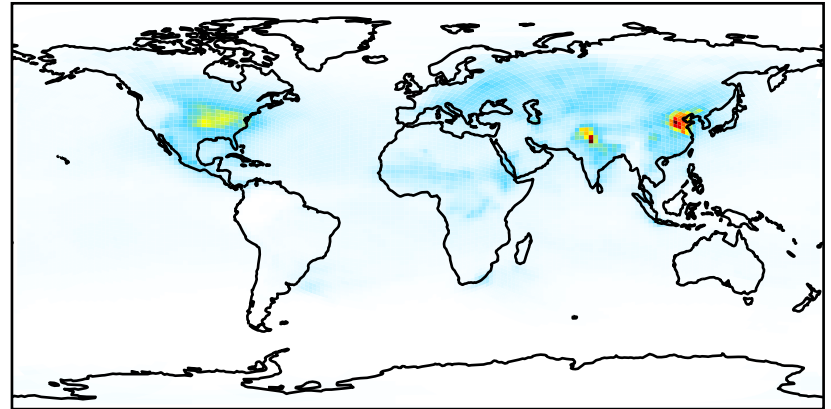


# SpeciesConc\_HNO2

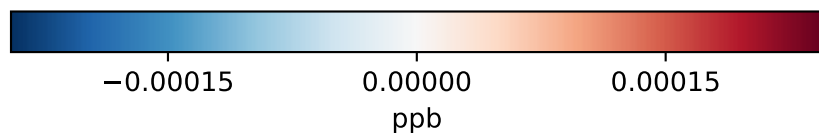
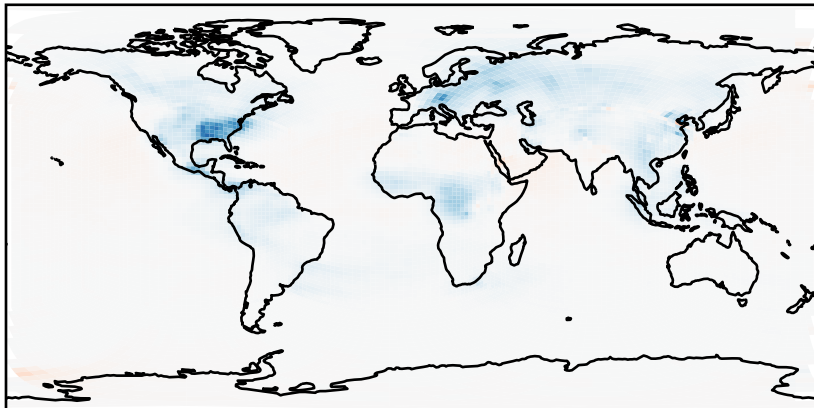
GCHP\_12.4.0 (Ref)  
c48



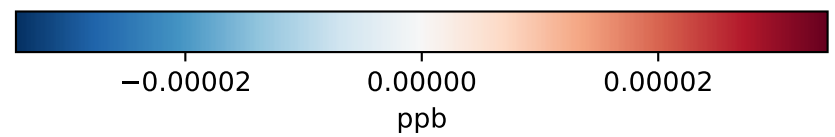
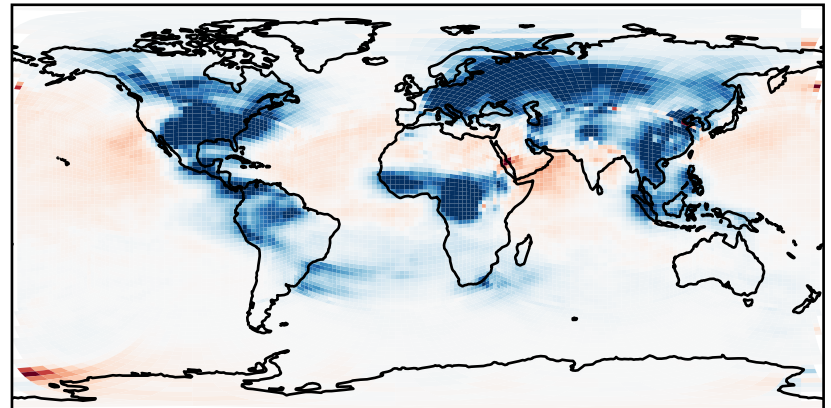
GCHP\_12.5.0 (Dev)  
c48



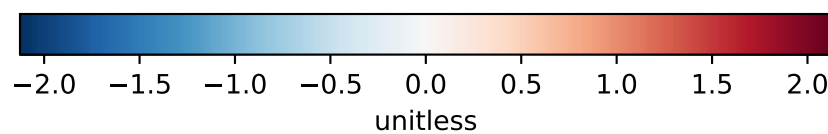
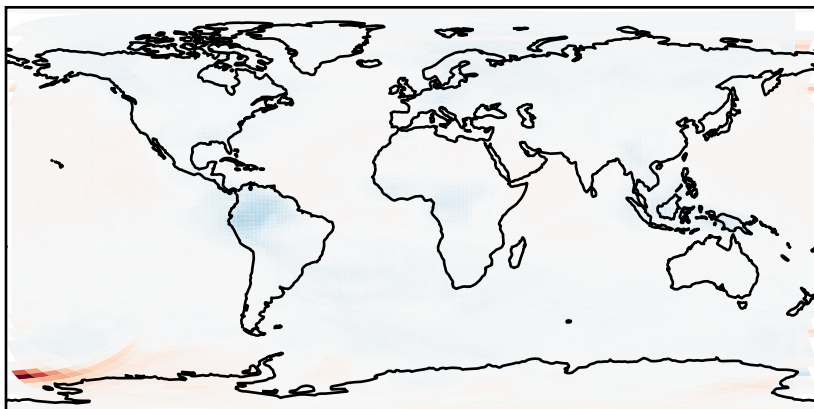
Difference  
Dev - Ref, Dynamic Range



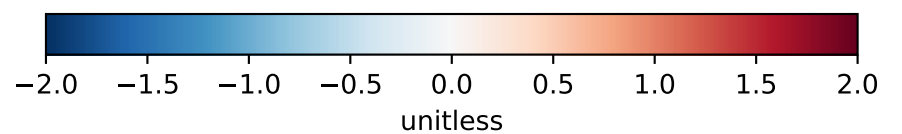
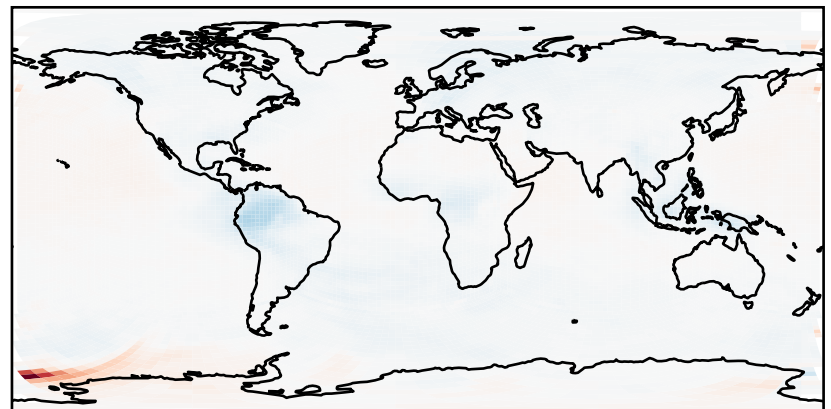
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

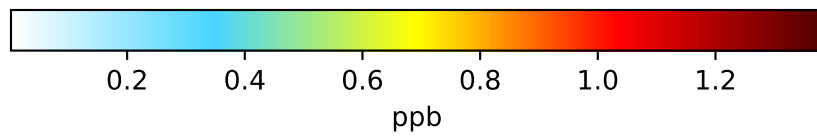
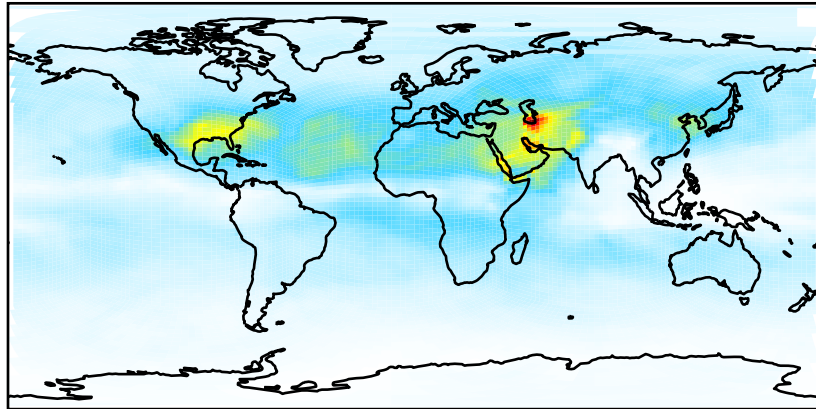


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

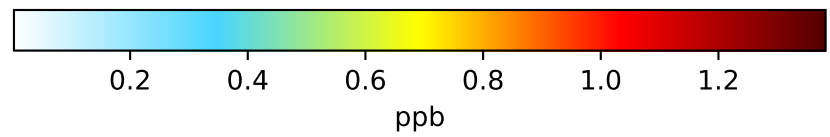
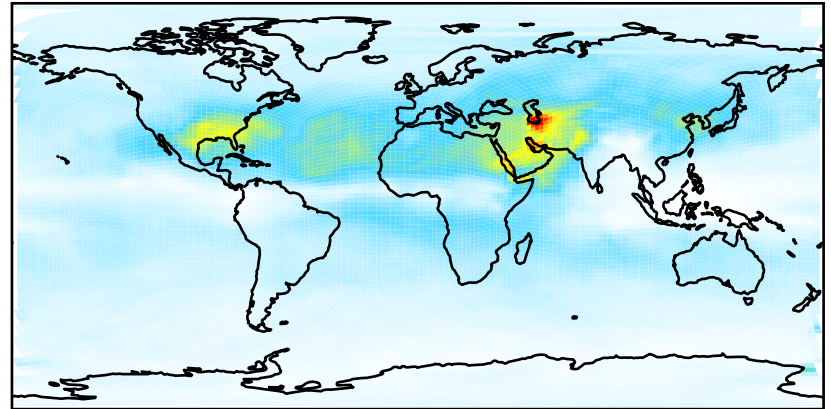


# SpeciesConc\_HNO3

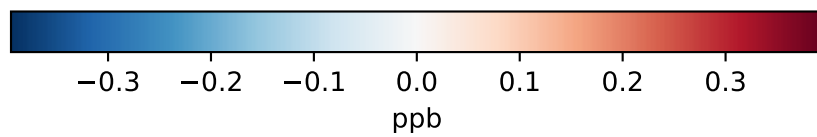
GCHP\_12.4.0 (Ref)  
c48



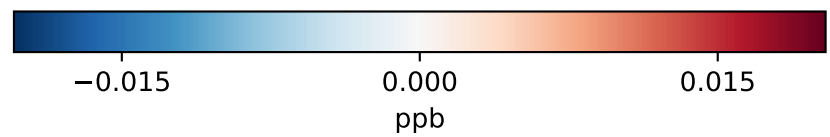
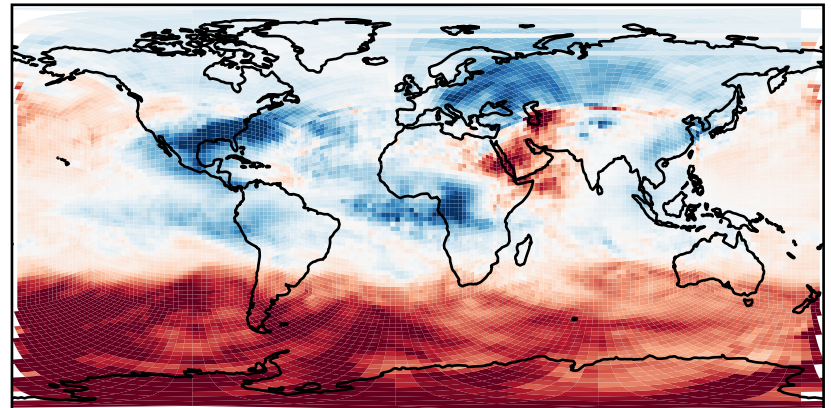
GCHP\_12.5.0 (Dev)  
c48



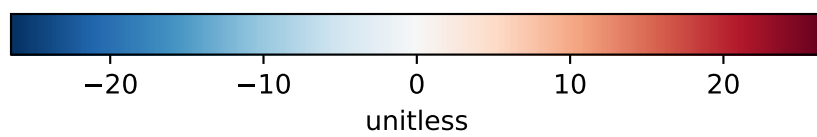
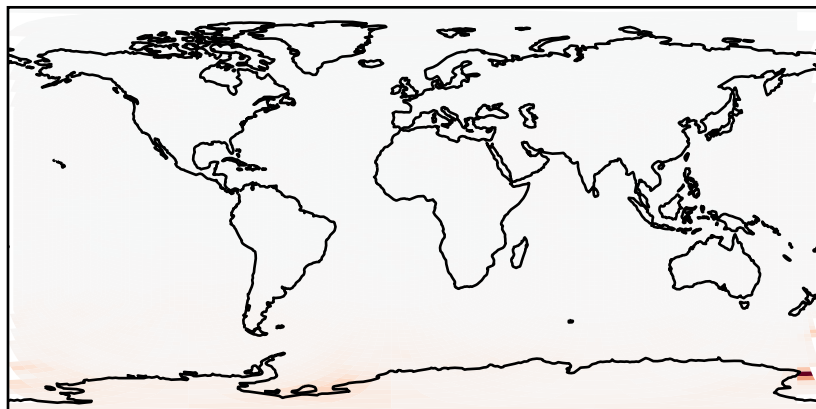
Difference  
Dev - Ref, Dynamic Range



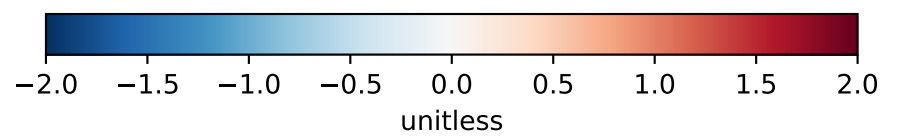
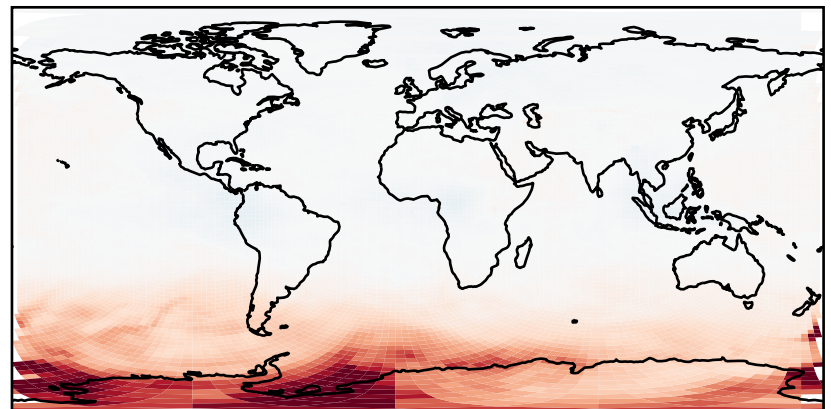
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



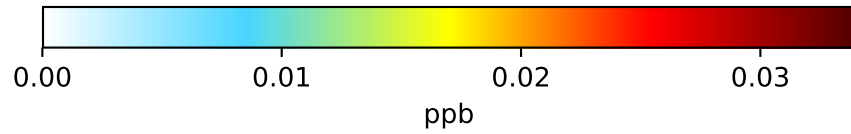
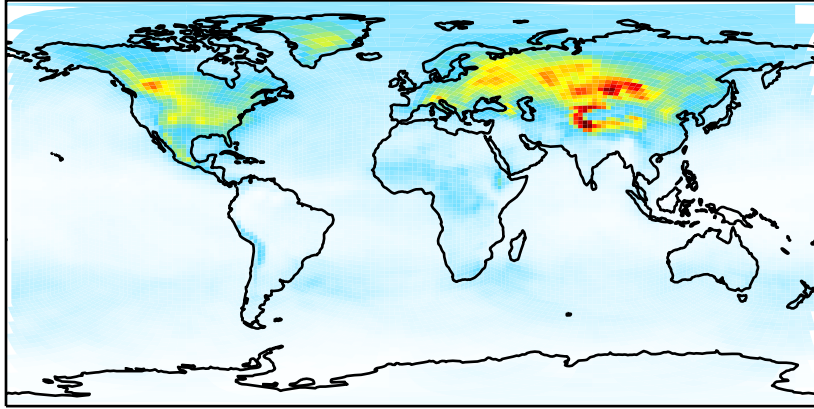
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



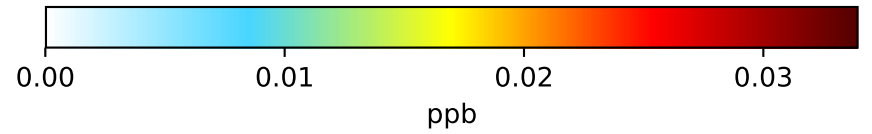
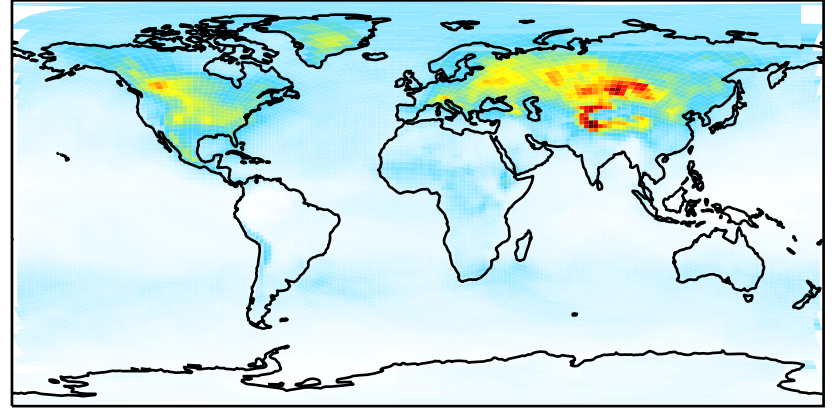


# SpeciesConc\_HNO4

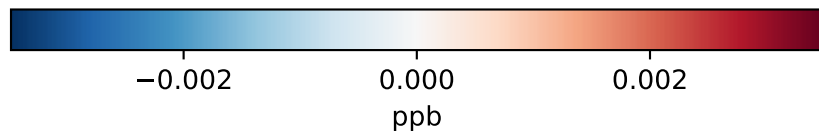
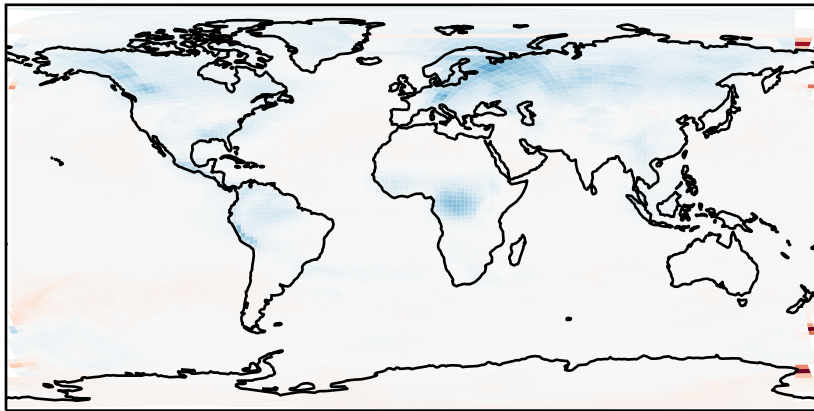
GCHP\_12.4.0 (Ref)  
c48



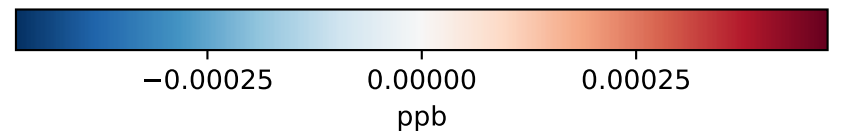
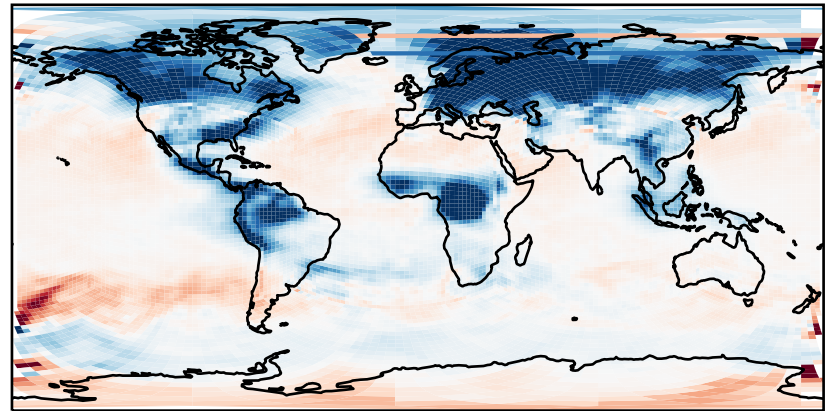
GCHP\_12.5.0 (Dev)  
c48



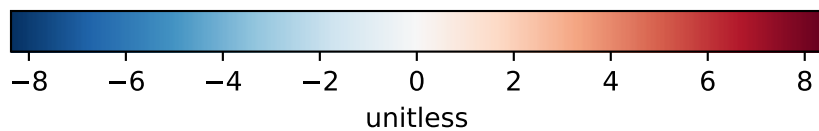
Difference  
Dev - Ref, Dynamic Range



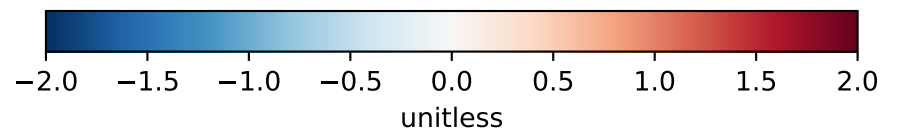
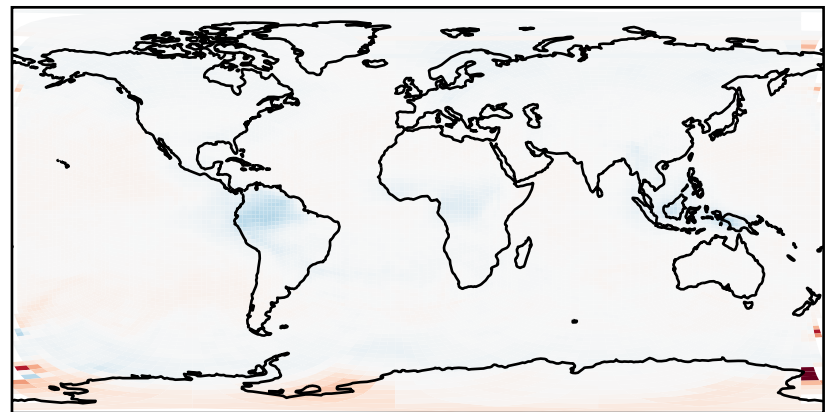
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

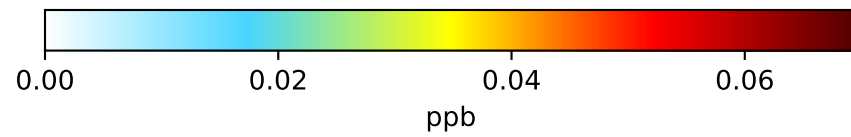
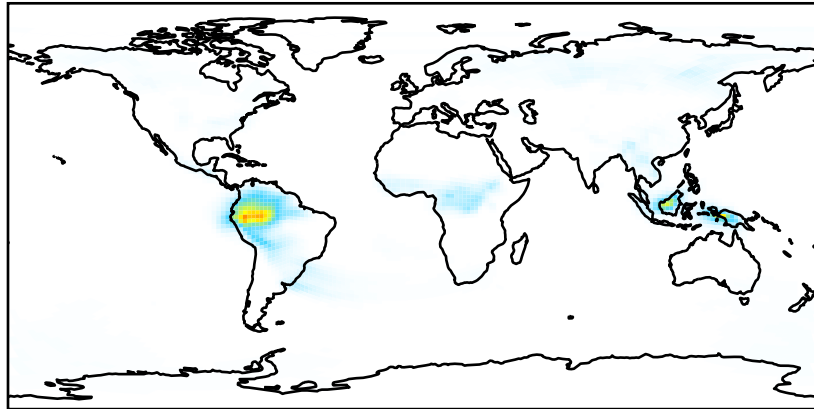


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

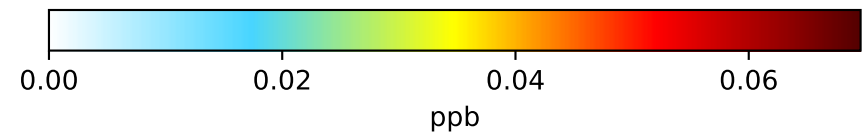
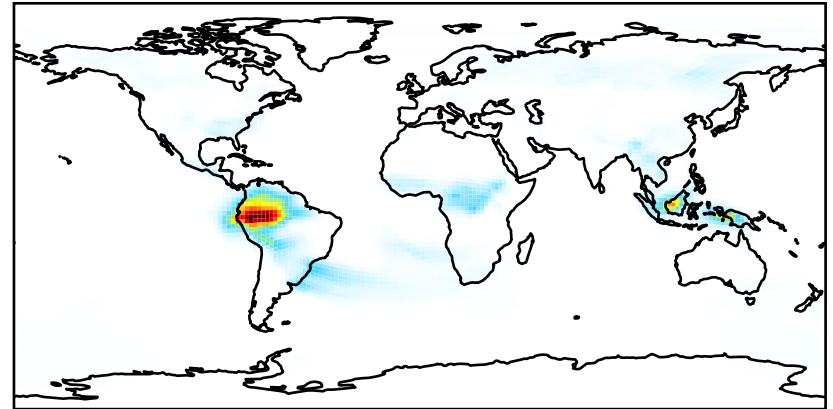


# SpeciesConc\_IPMN

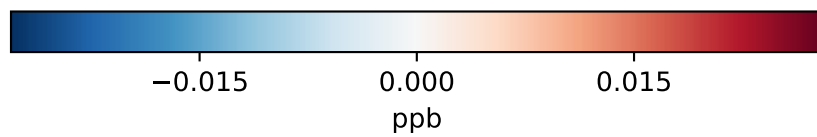
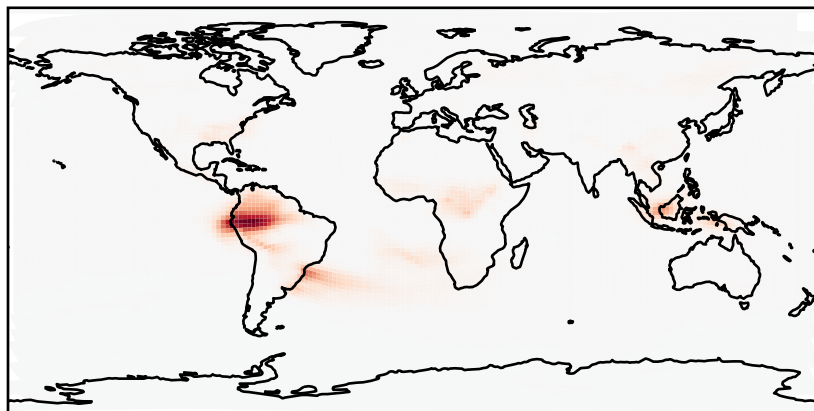
GCHP\_12.4.0 (Ref)  
c48



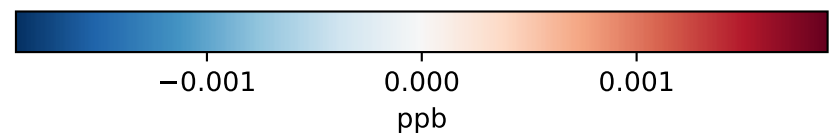
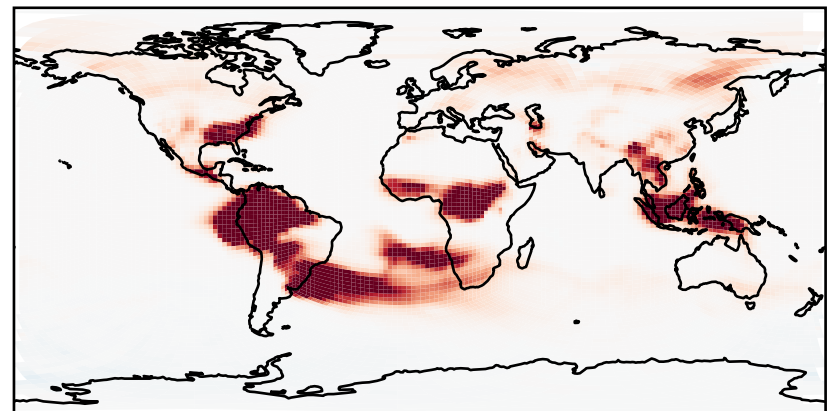
GCHP\_12.5.0 (Dev)  
c48



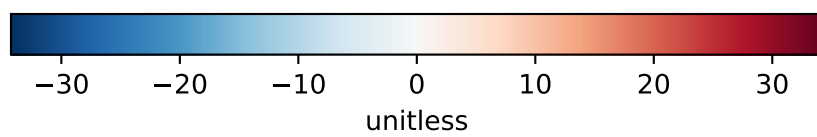
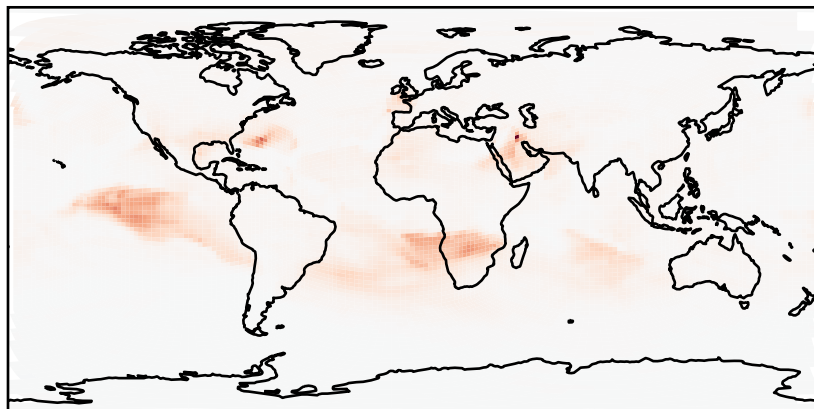
Difference  
Dev - Ref, Dynamic Range



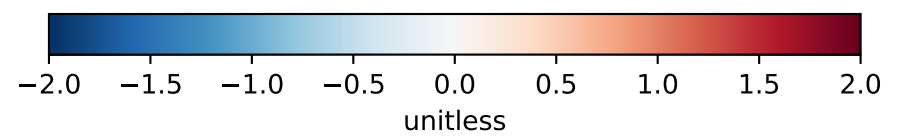
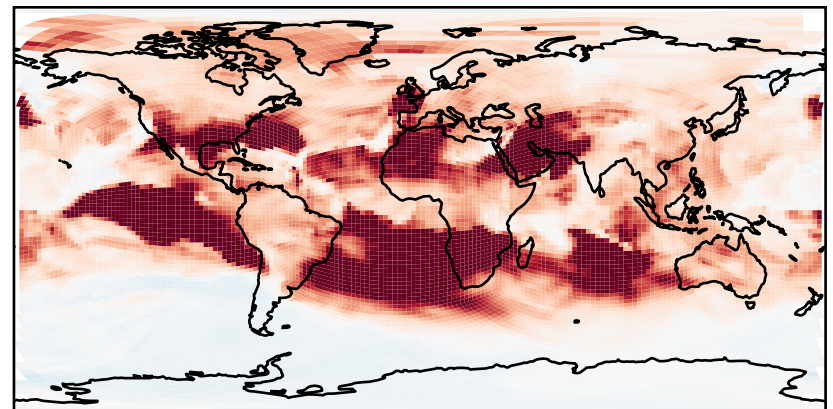
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



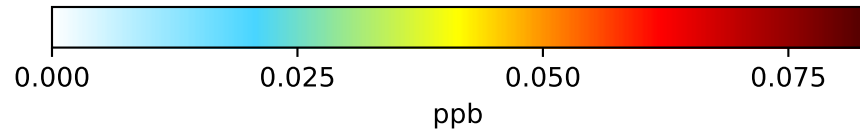
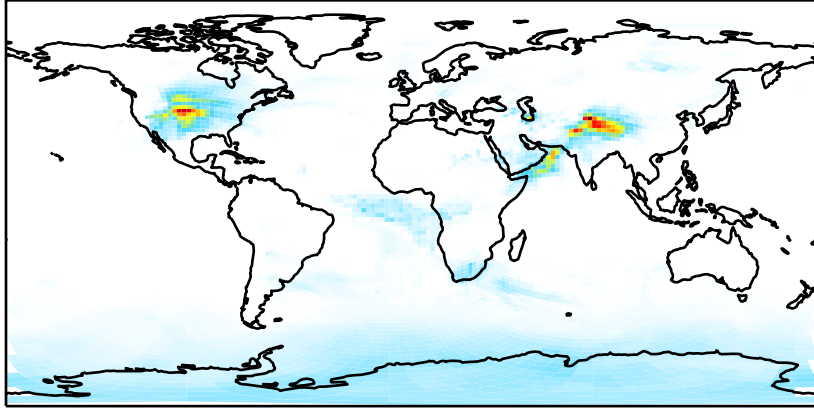
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



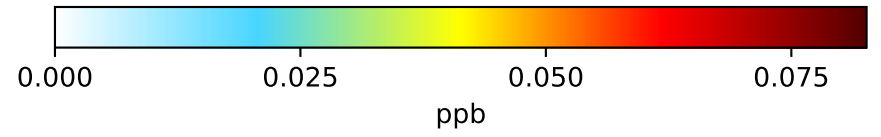
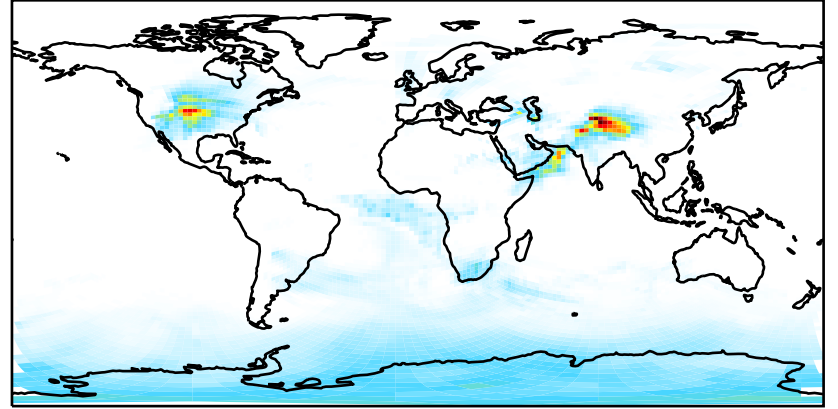


# SpeciesConc\_NIT

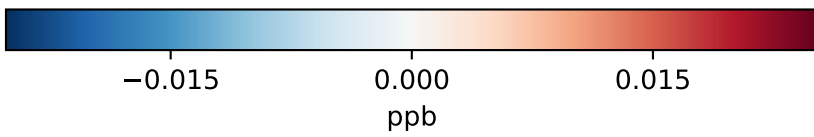
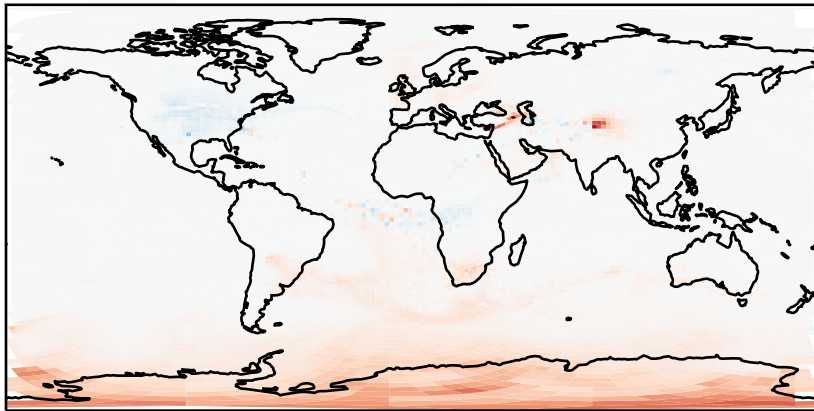
GCHP\_12.4.0 (Ref)  
c48



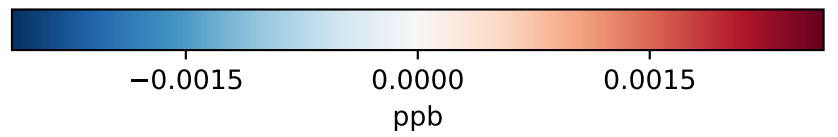
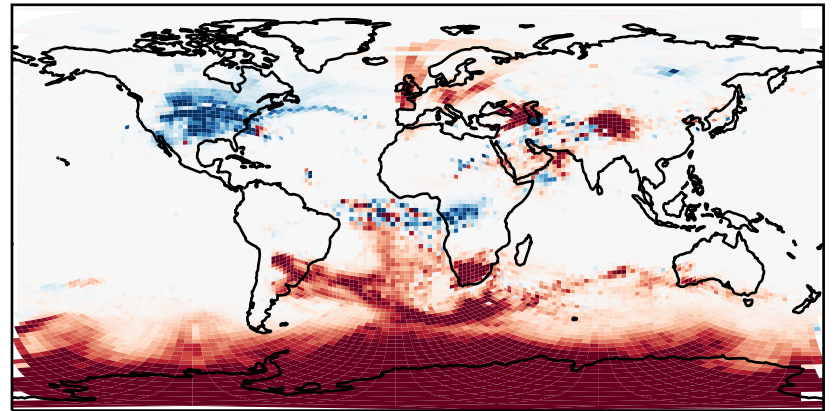
GCHP\_12.5.0 (Dev)  
c48



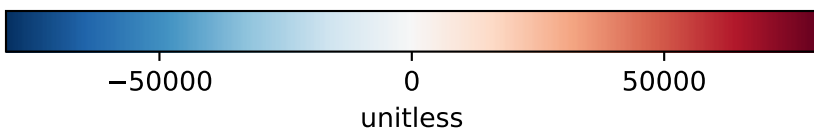
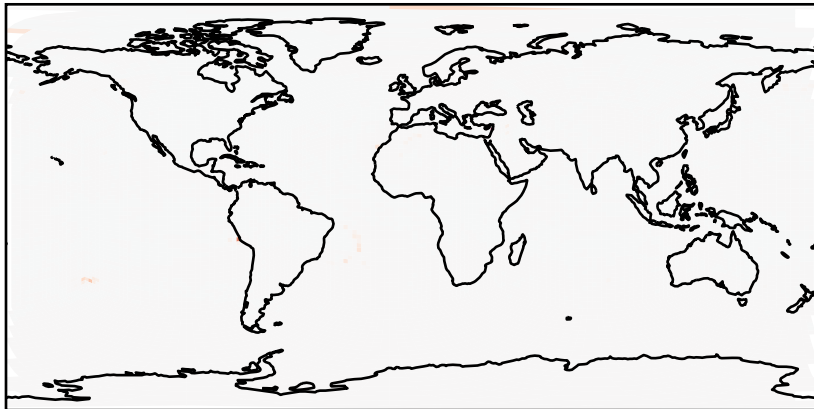
Difference  
Dev - Ref, Dynamic Range



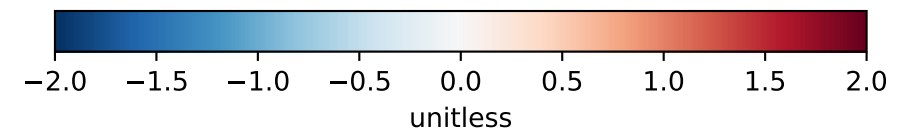
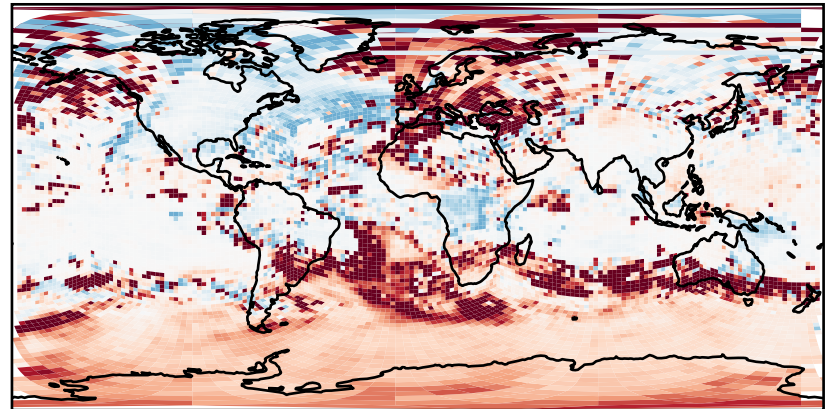
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

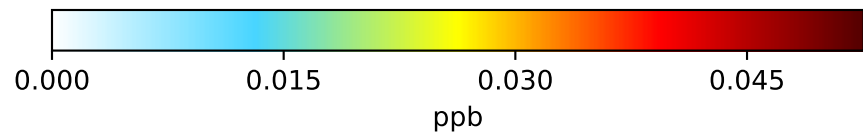
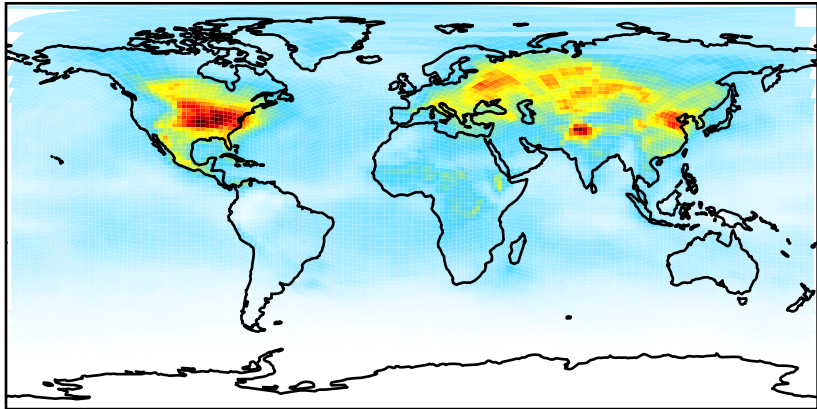


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

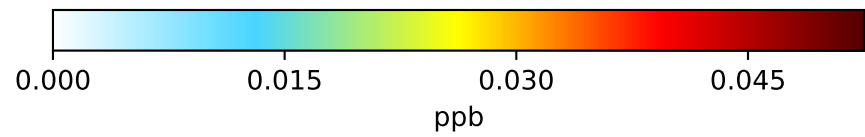
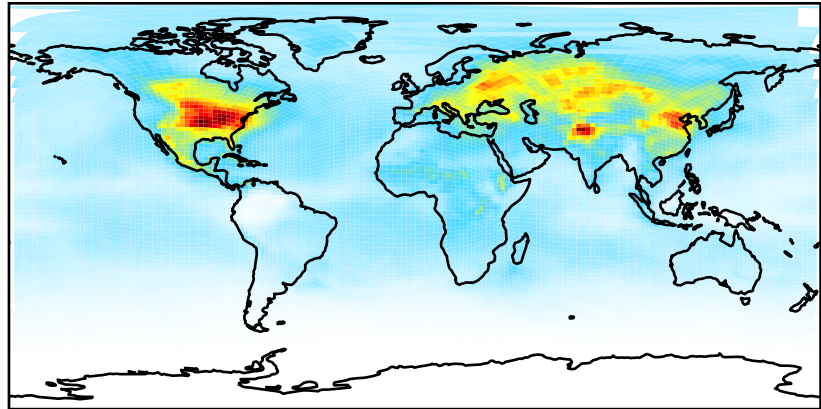


# SpeciesConc\_NO

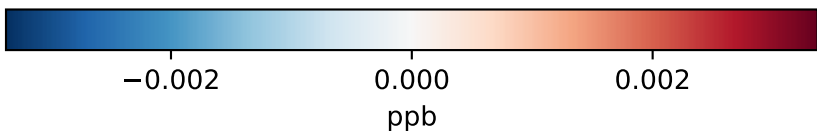
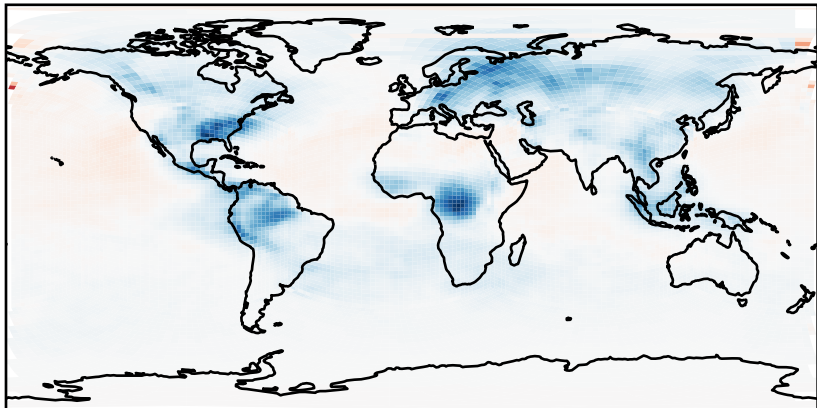
GCHP\_12.4.0 (Ref)  
c48



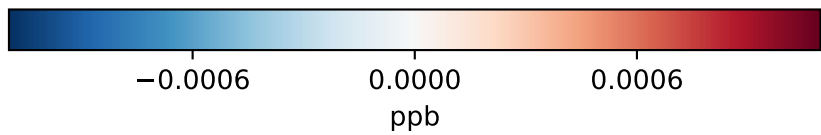
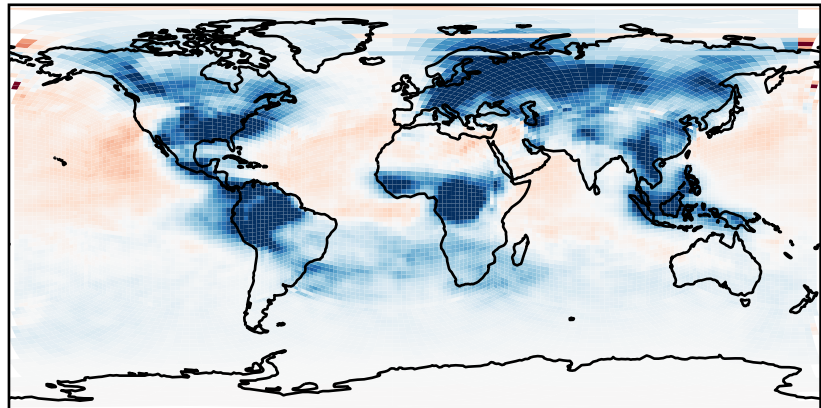
GCHP\_12.5.0 (Dev)  
c48



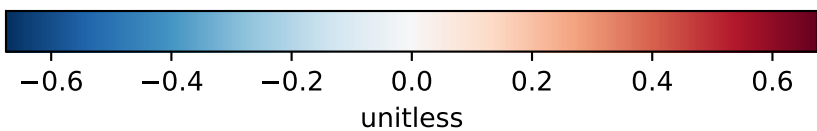
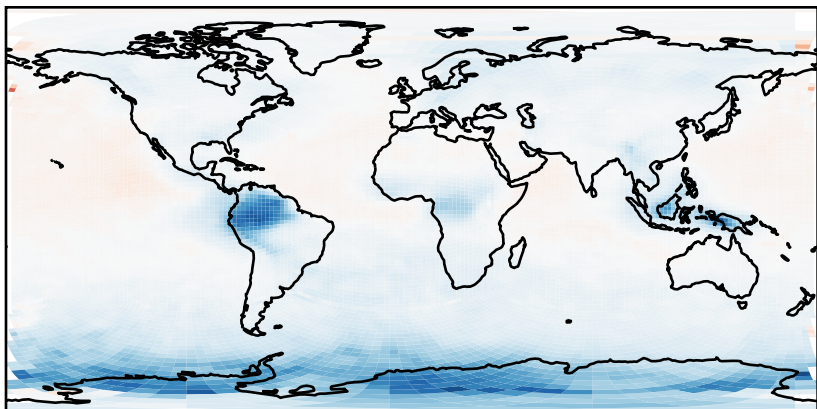
Difference  
Dev - Ref, Dynamic Range



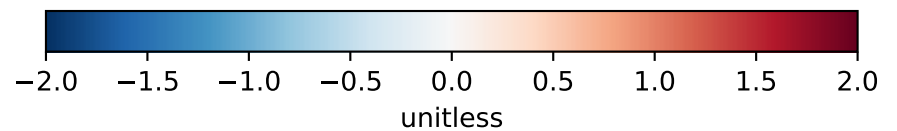
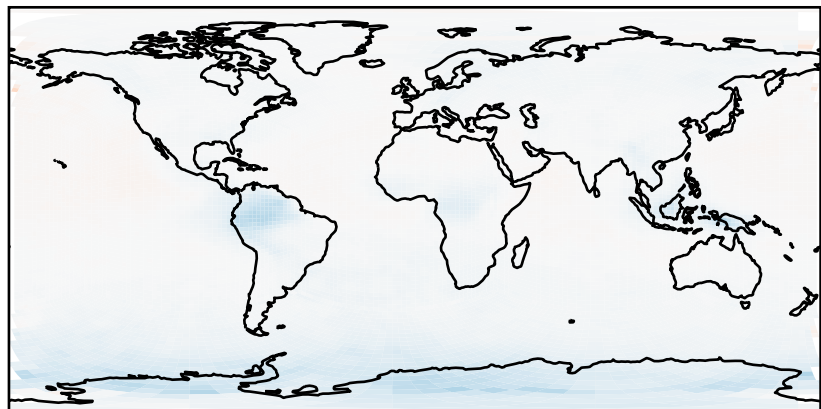
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



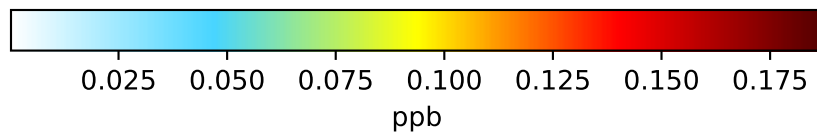
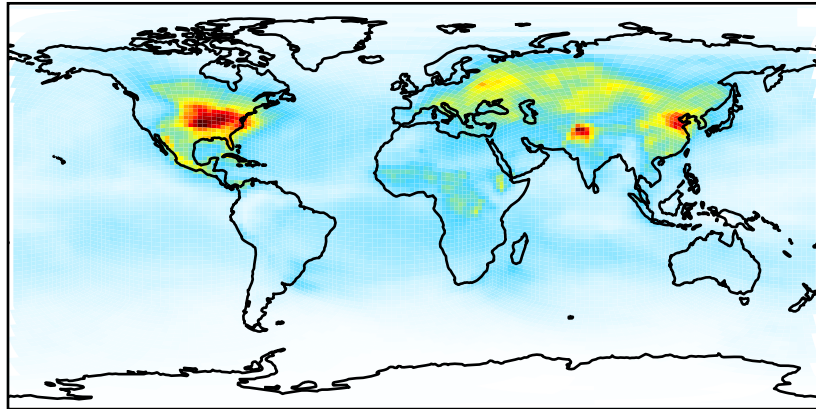
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



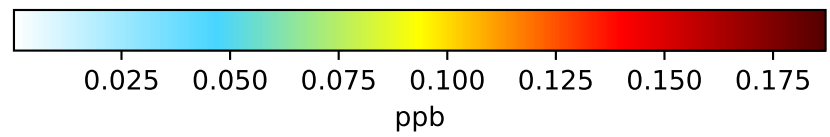
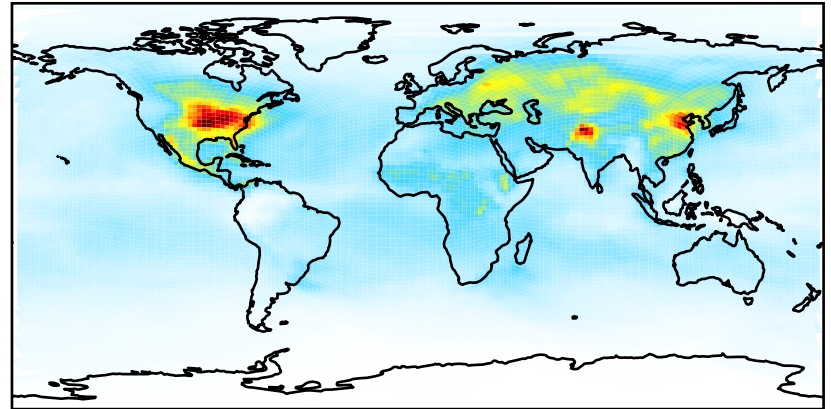


# SpeciesConc\_NO2

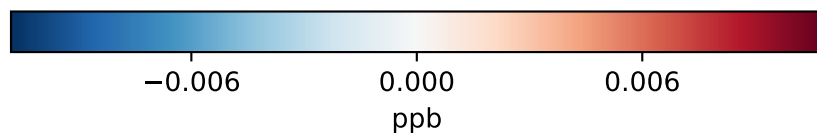
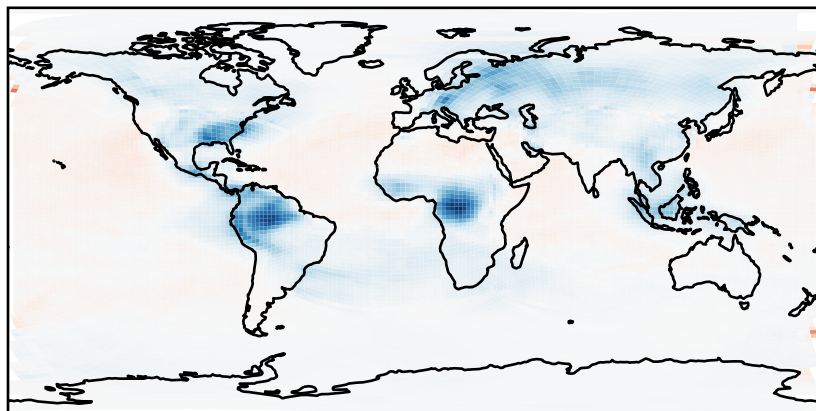
GCHP\_12.4.0 (Ref)  
c48



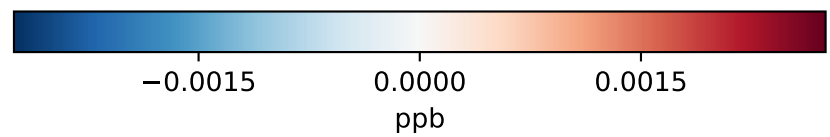
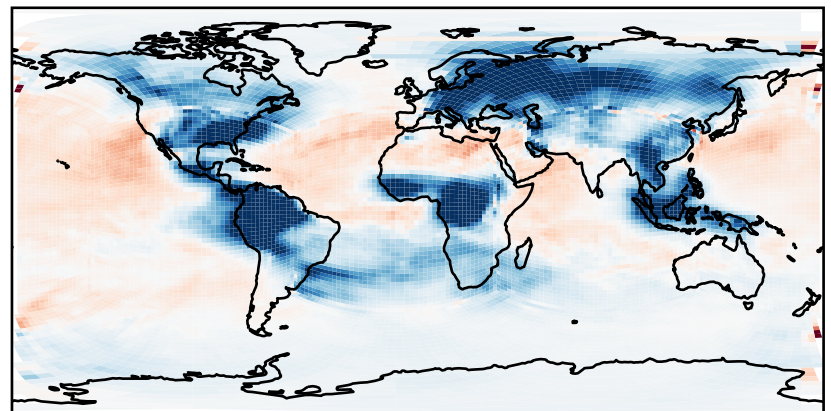
GCHP\_12.5.0 (Dev)  
c48



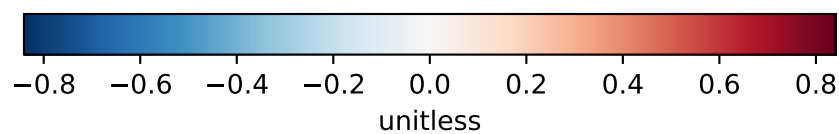
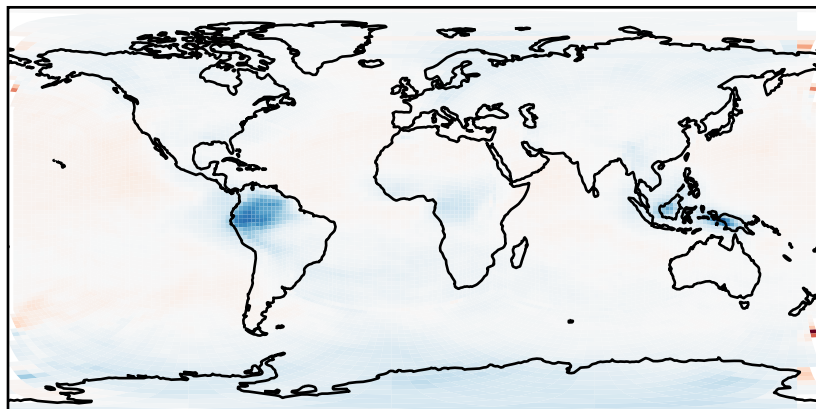
Difference  
Dev - Ref, Dynamic Range



Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

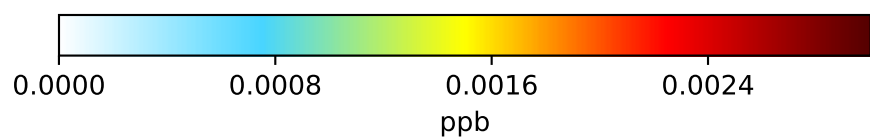
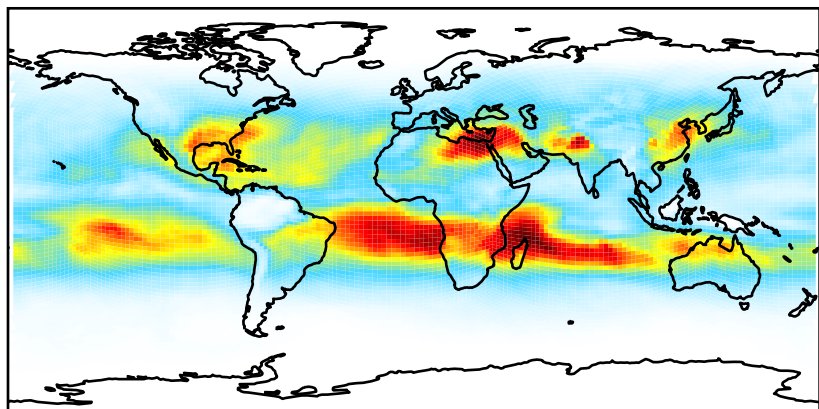


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

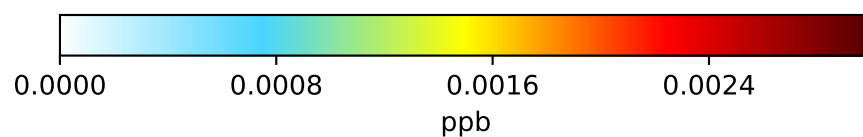
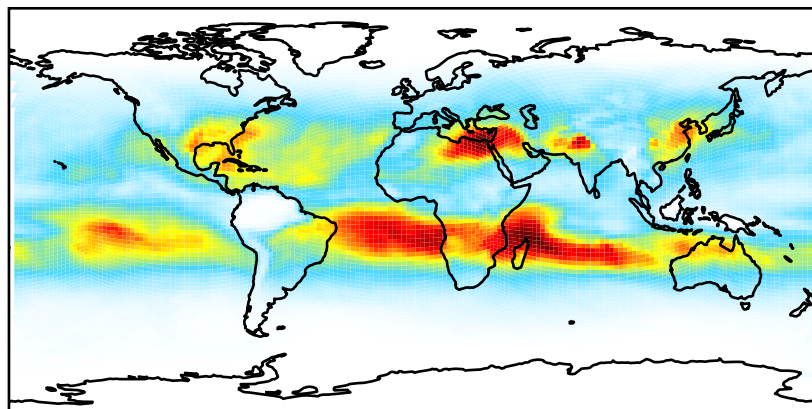


# SpeciesConc\_NO3

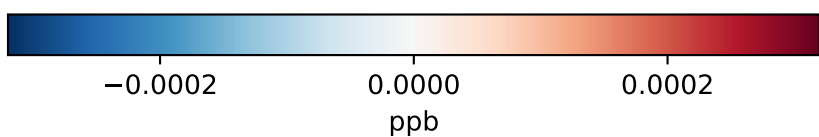
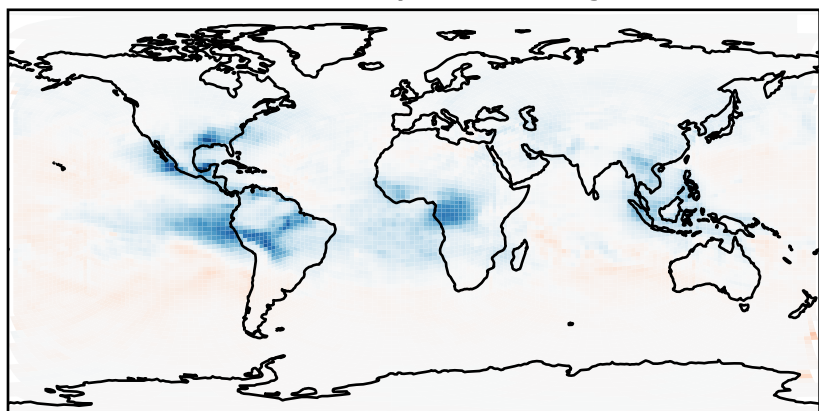
GCHP\_12.4.0 (Ref)  
c48



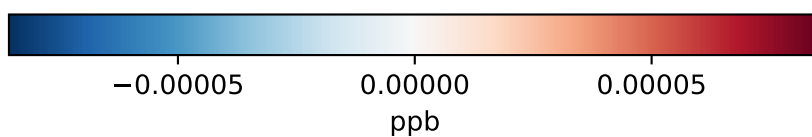
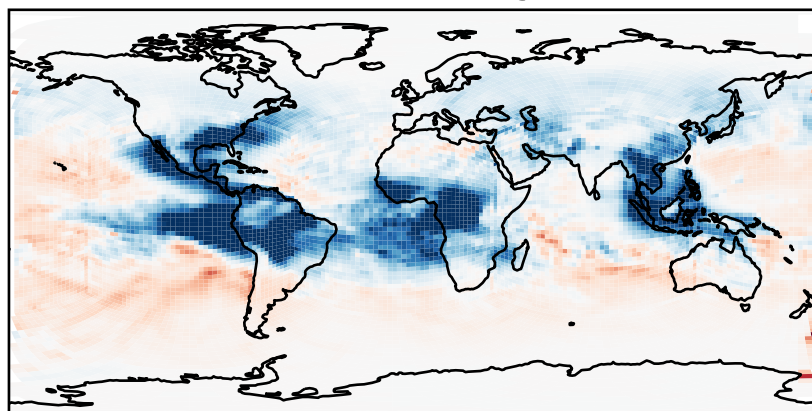
GCHP\_12.5.0 (Dev)  
c48



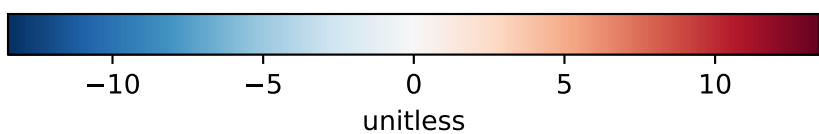
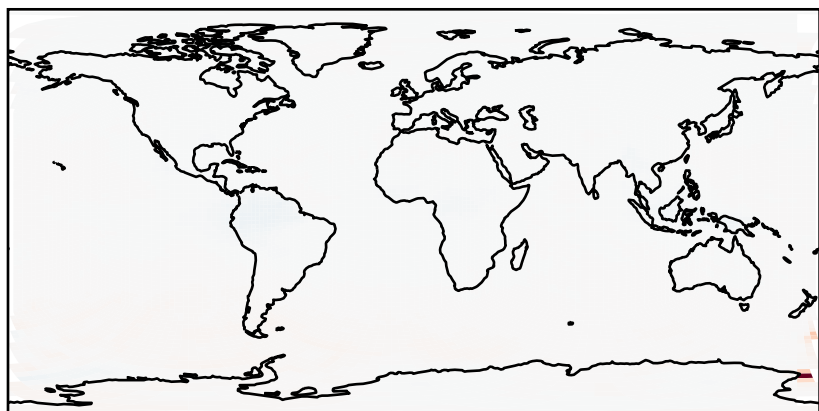
Difference  
Dev - Ref, Dynamic Range



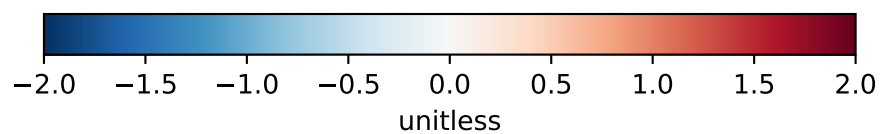
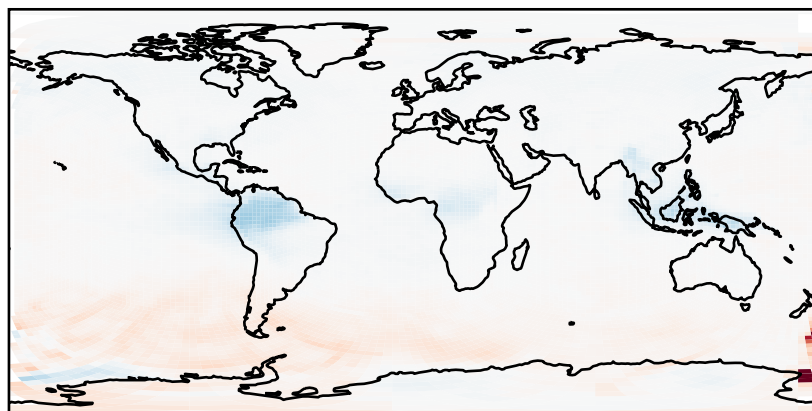
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



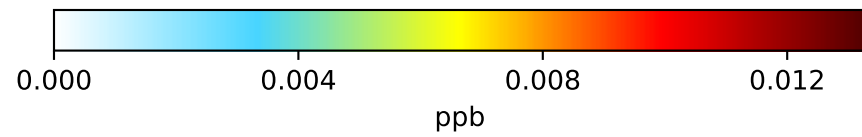
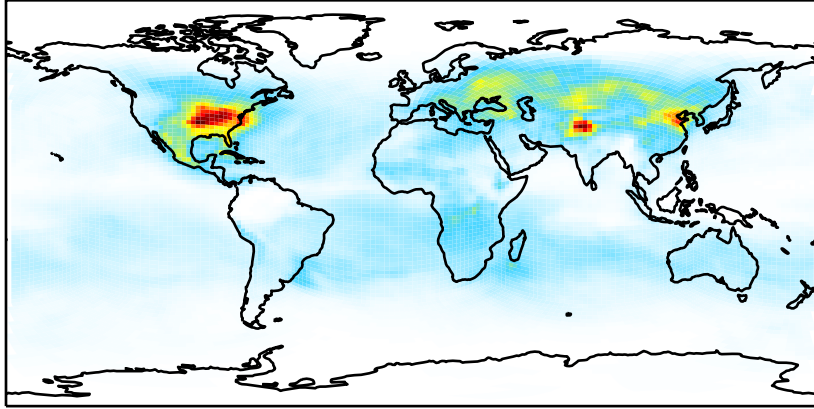
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



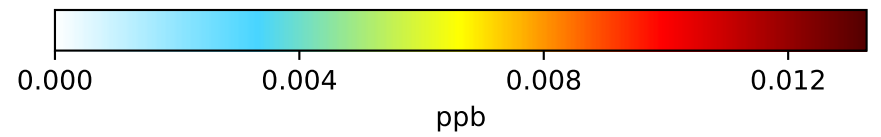
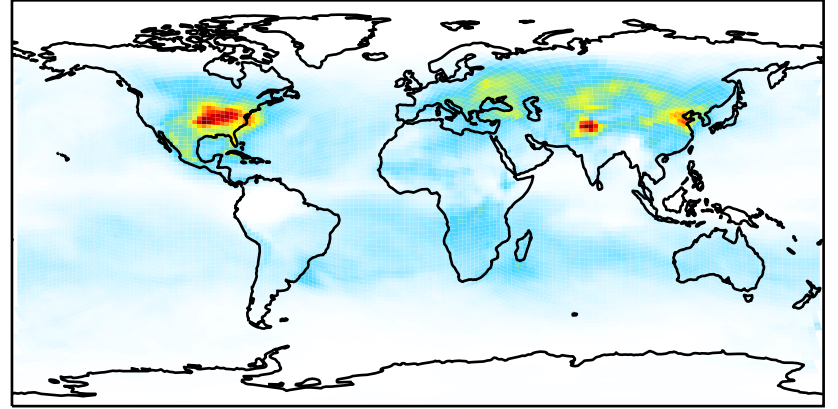


# SpeciesConc\_N2O5

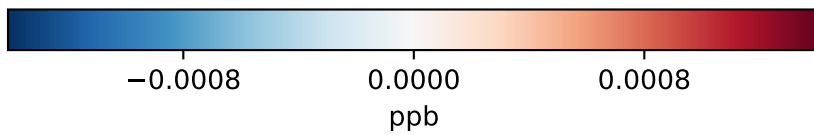
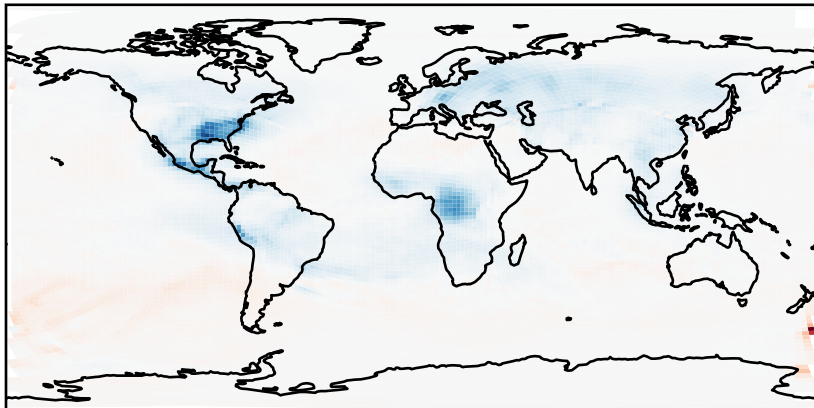
GCHP\_12.4.0 (Ref)  
c48



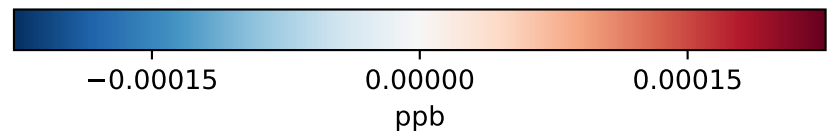
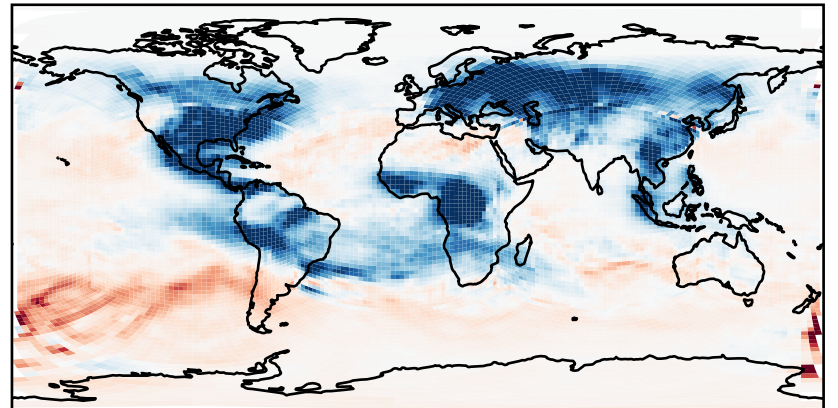
GCHP\_12.5.0 (Dev)  
c48



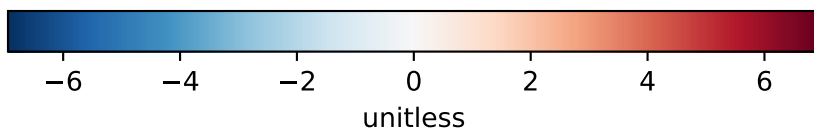
Difference  
Dev - Ref, Dynamic Range



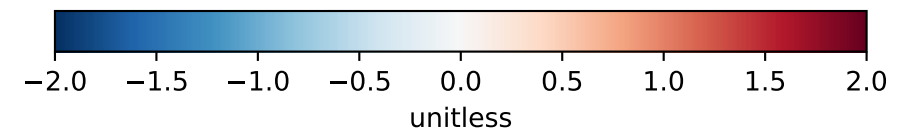
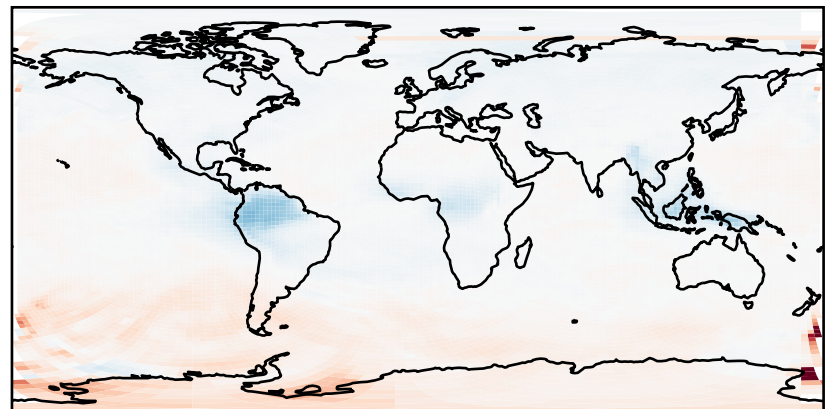
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

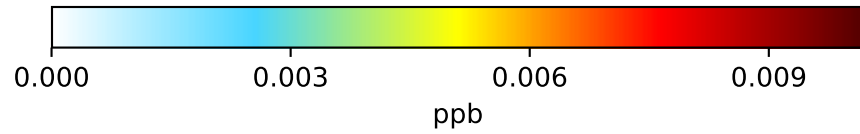
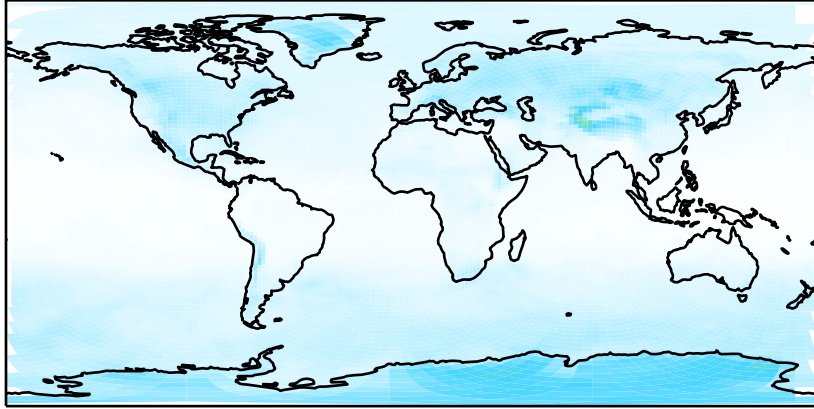


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

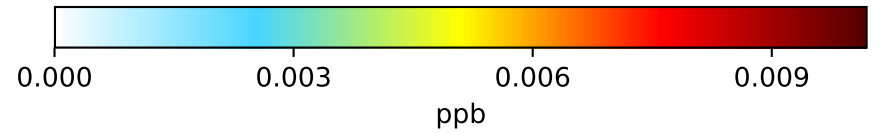
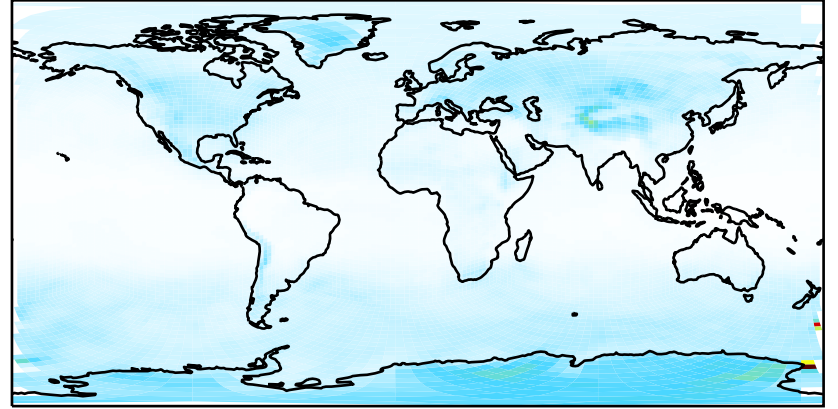


# SpeciesConc\_MPN

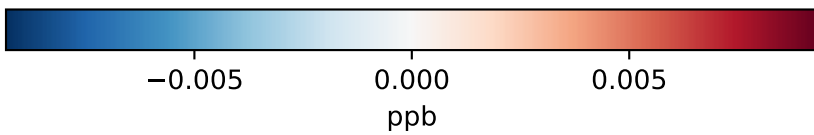
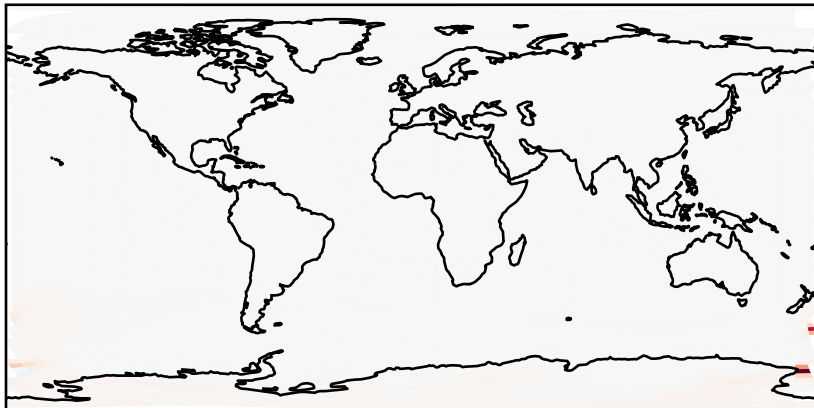
GCHP\_12.4.0 (Ref)  
c48



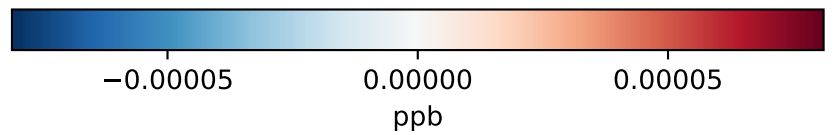
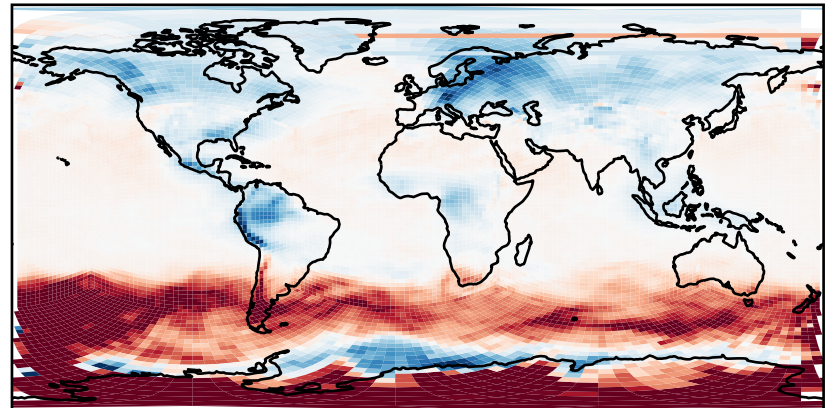
GCHP\_12.5.0 (Dev)  
c48



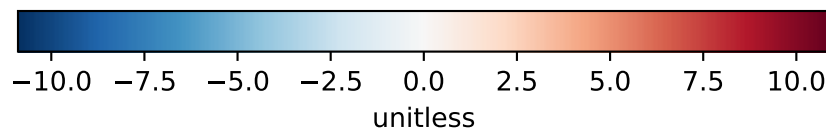
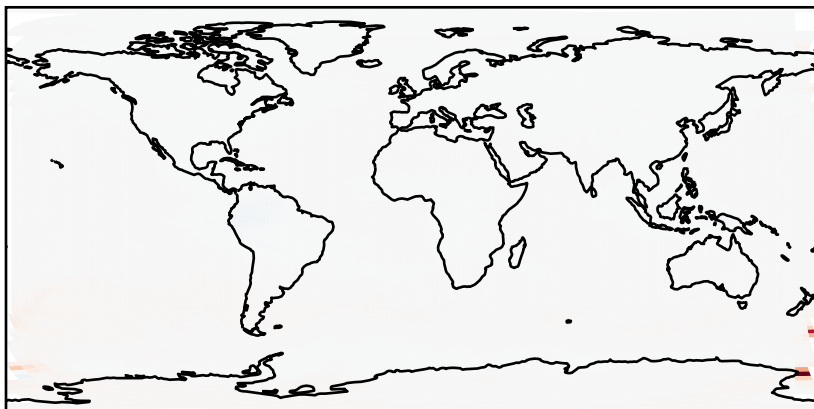
Difference  
Dev - Ref, Dynamic Range



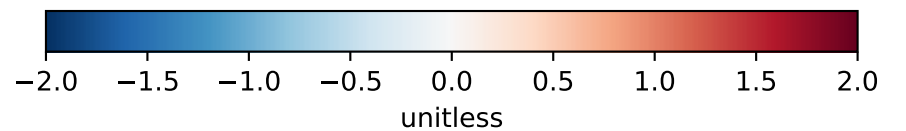
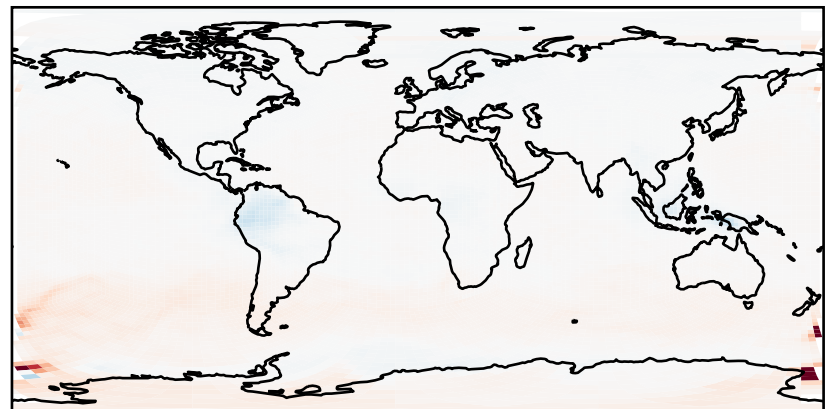
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



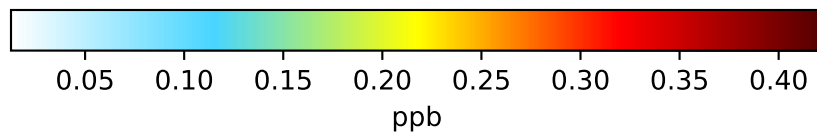
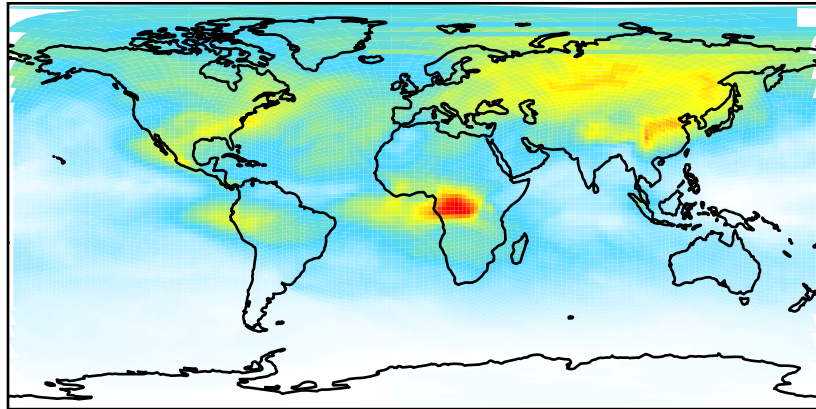
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



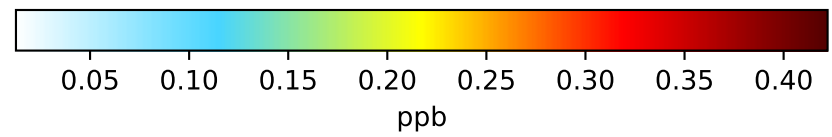
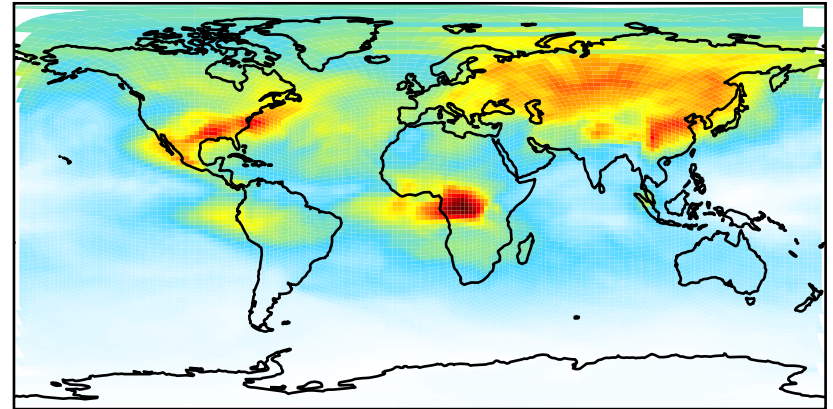


# SpeciesConc\_PAN

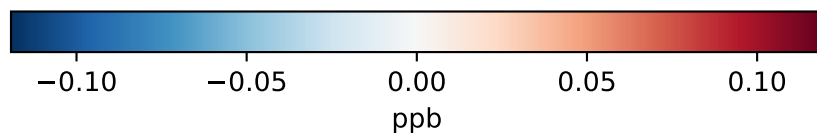
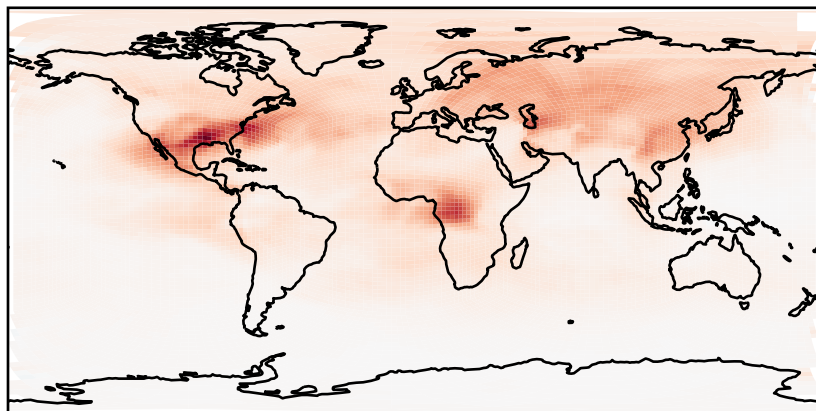
GCHP\_12.4.0 (Ref)  
c48



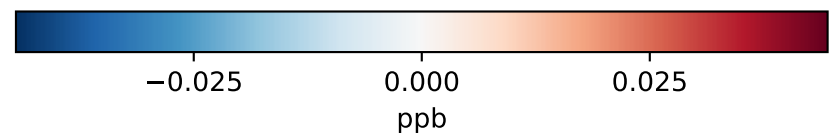
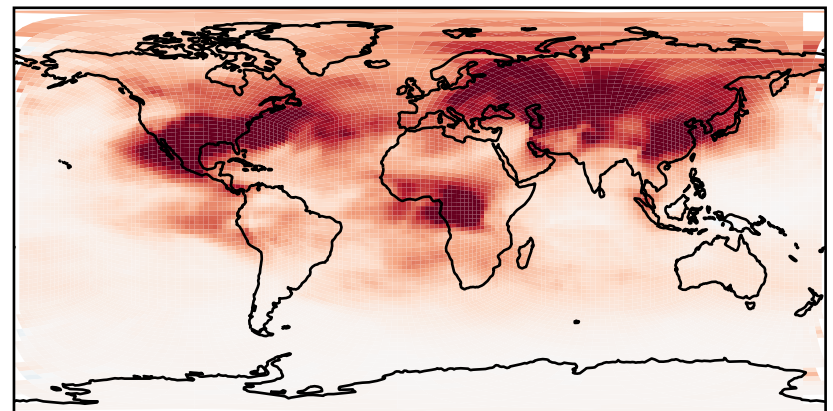
GCHP\_12.5.0 (Dev)  
c48



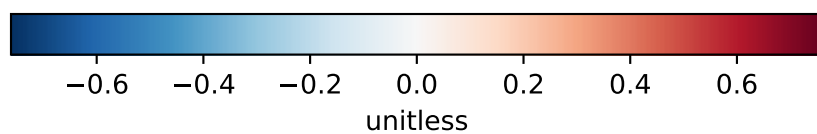
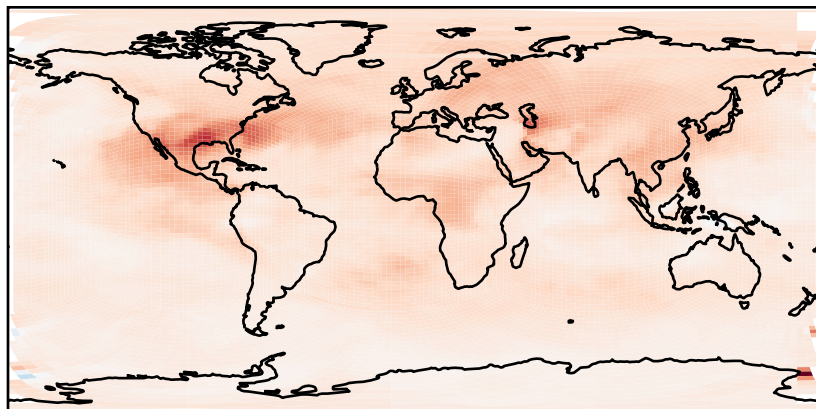
Difference  
Dev - Ref, Dynamic Range



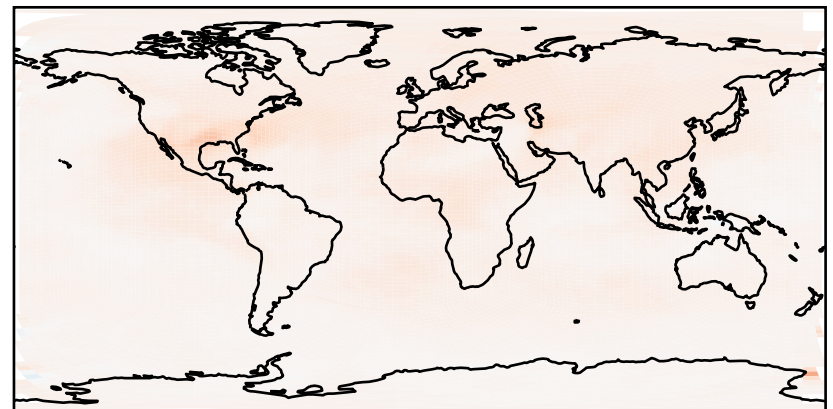
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

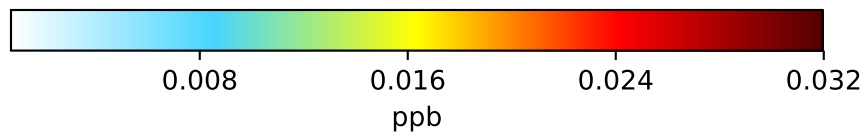
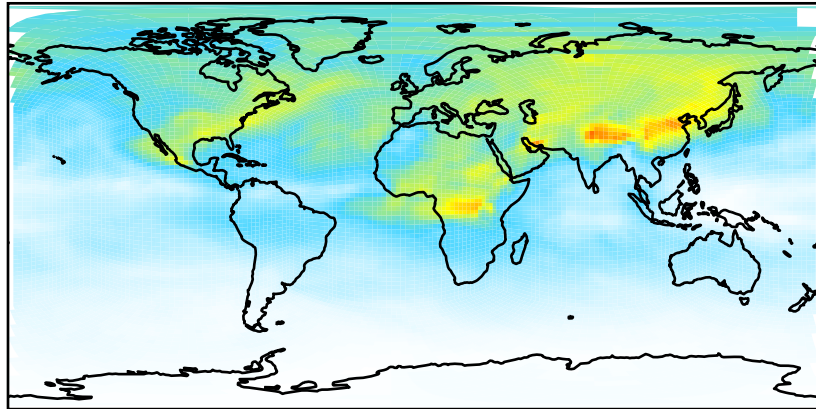


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

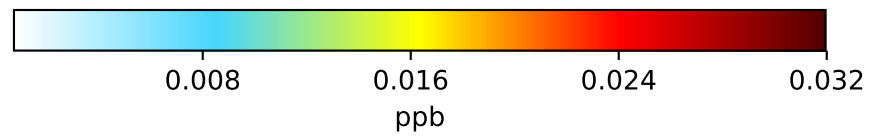
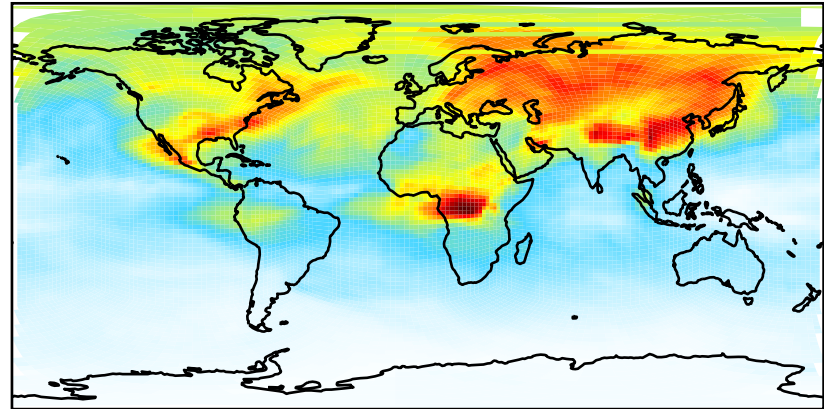


# SpeciesConc\_PPN

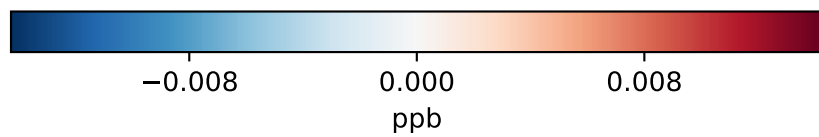
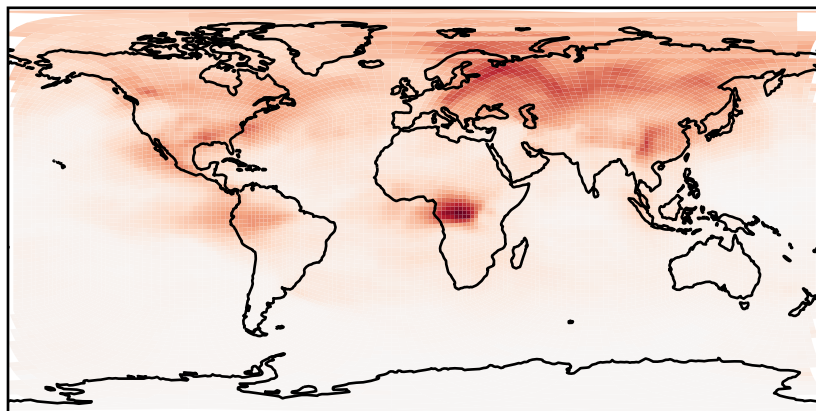
GCHP\_12.4.0 (Ref)  
c48



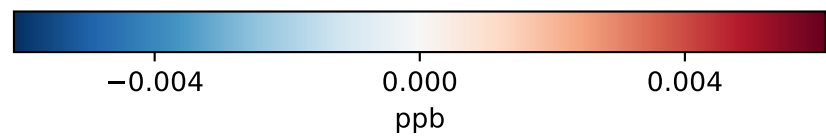
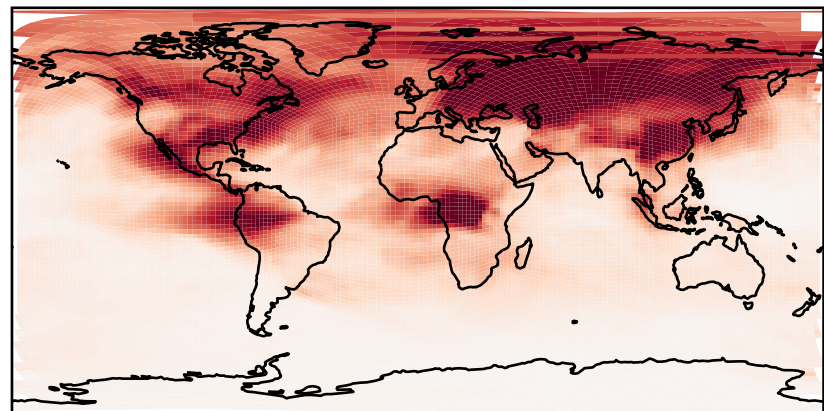
GCHP\_12.5.0 (Dev)  
c48



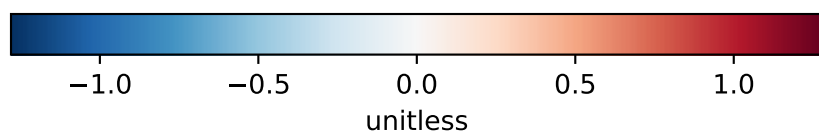
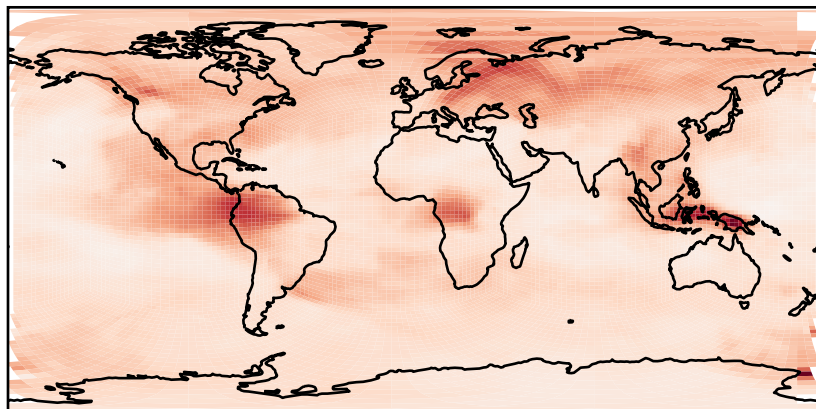
Difference  
Dev - Ref, Dynamic Range



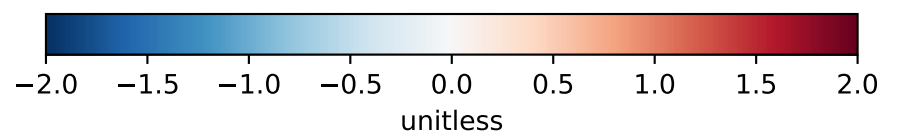
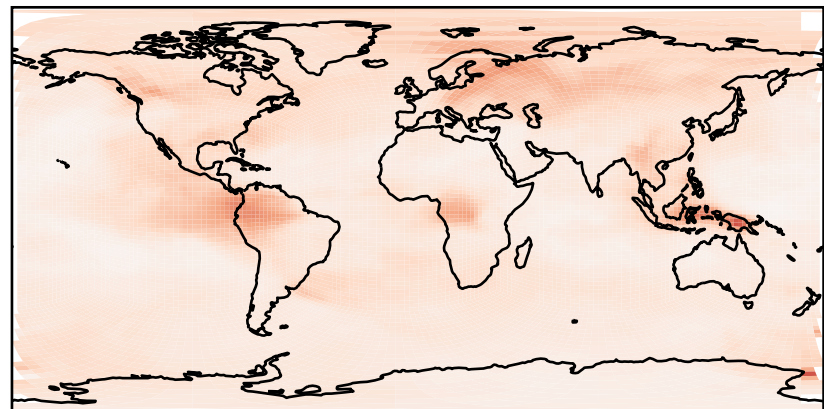
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



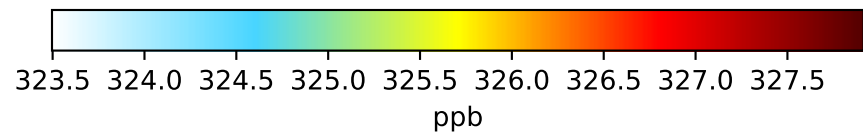
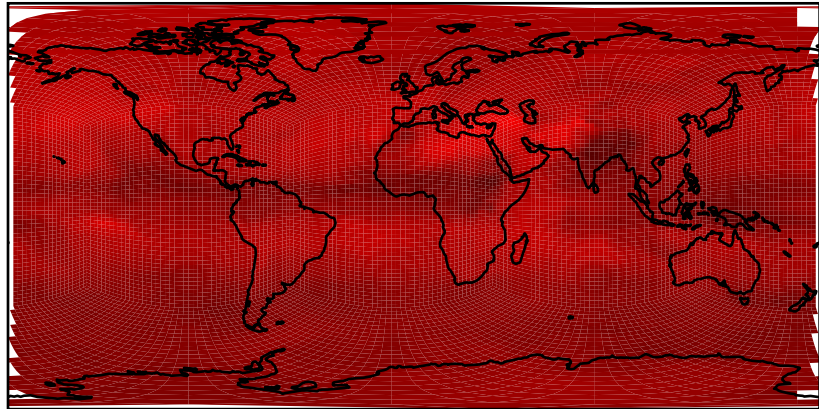
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



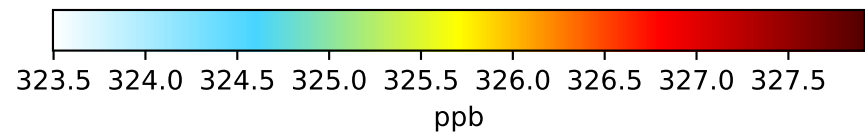
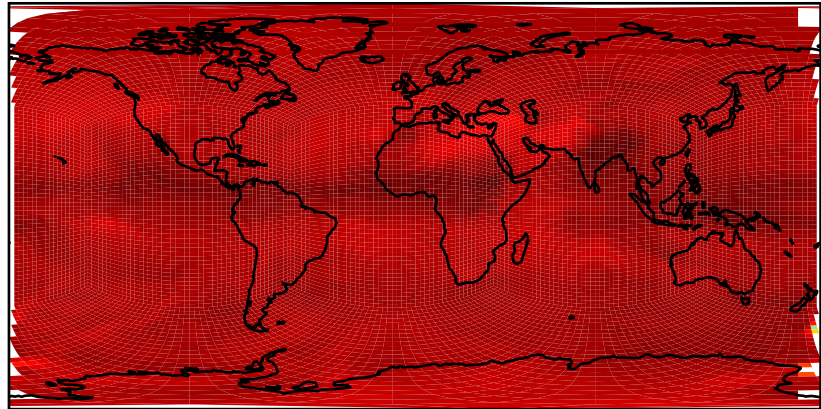


# SpeciesConc\_N2O

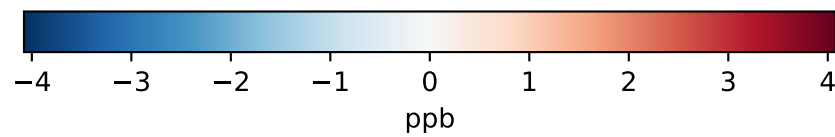
GCHP\_12.4.0 (Ref)  
c48



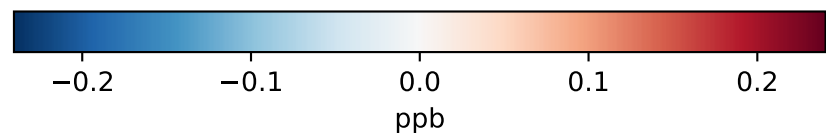
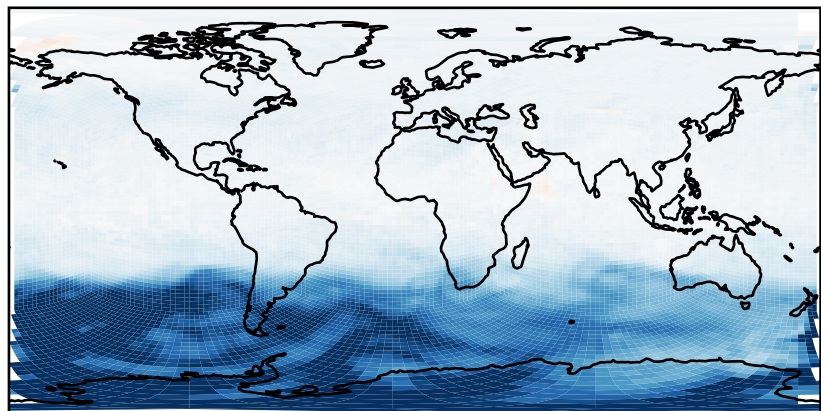
GCHP\_12.5.0 (Dev)  
c48



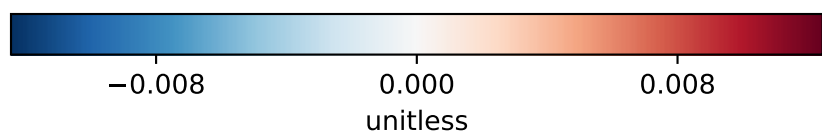
Difference  
Dev - Ref, Dynamic Range



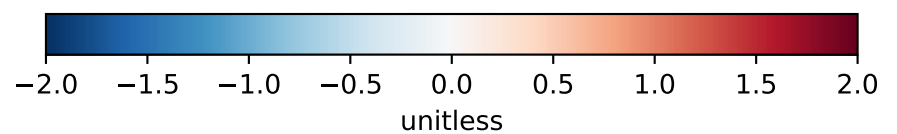
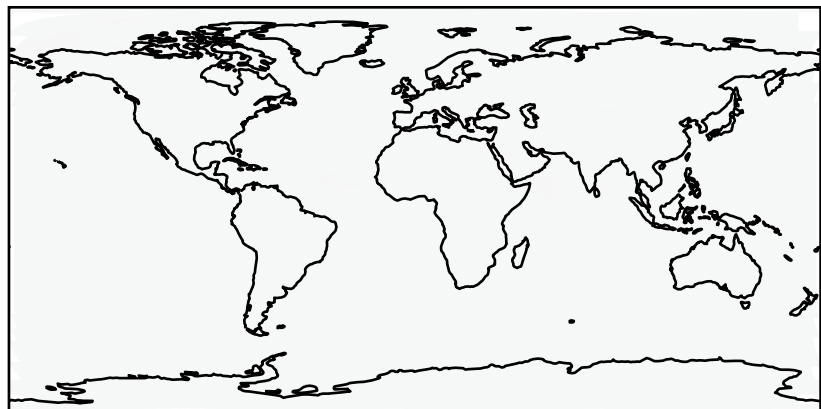
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

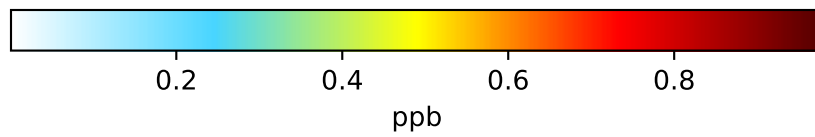
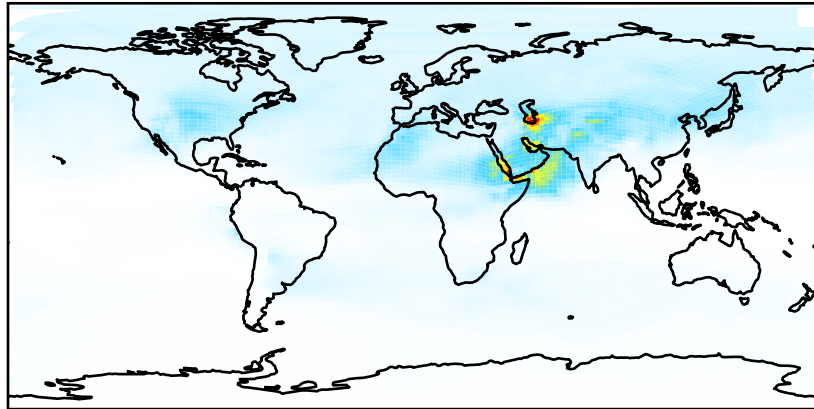


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

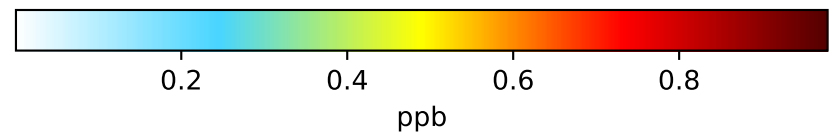
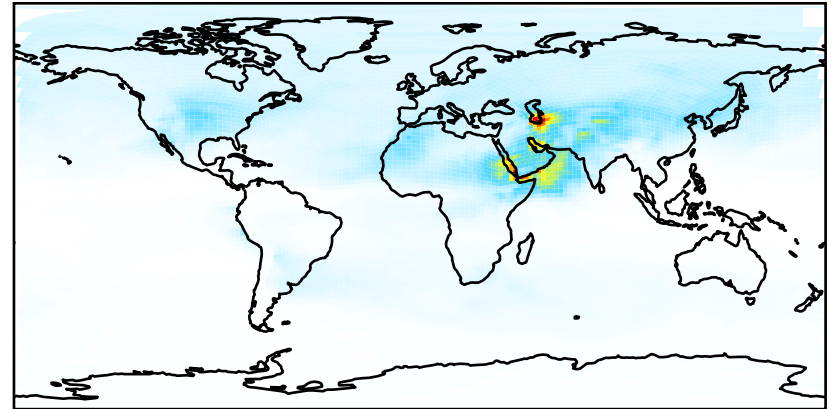


# SpeciesConc\_NHx

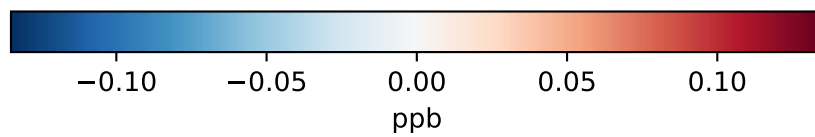
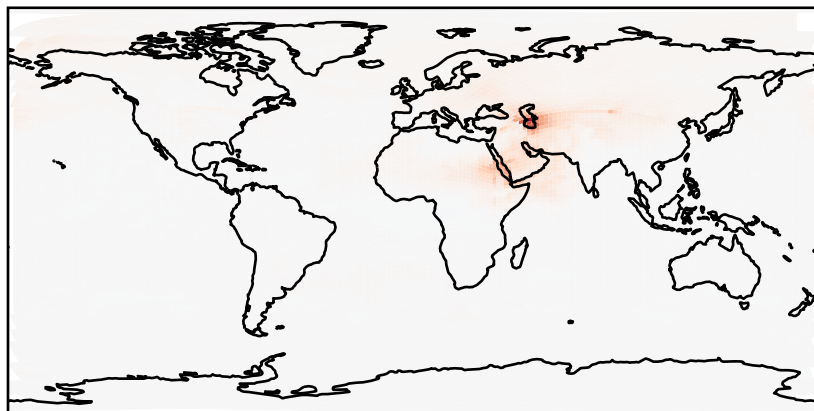
GCHP\_12.4.0 (Ref)  
c48



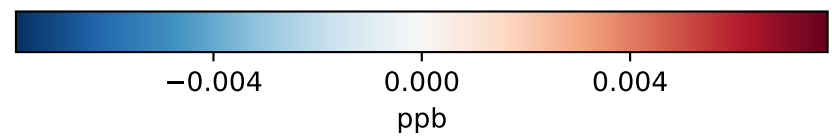
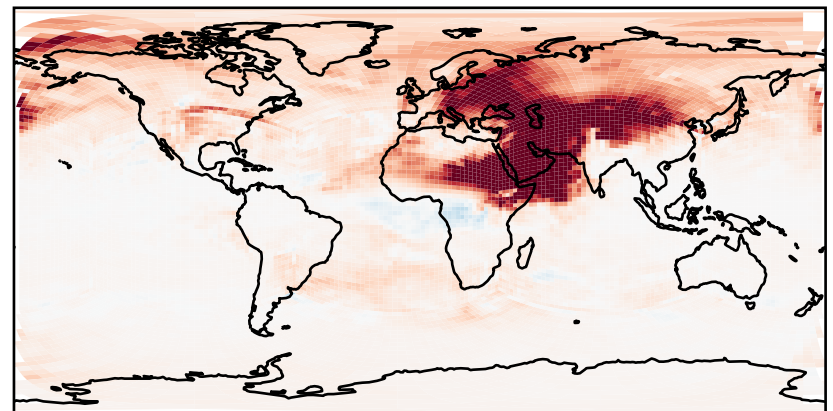
GCHP\_12.5.0 (Dev)  
c48



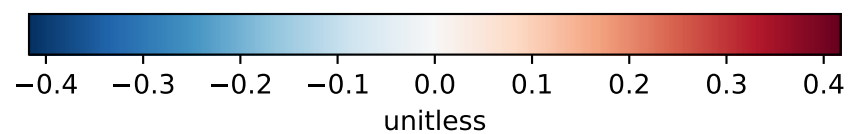
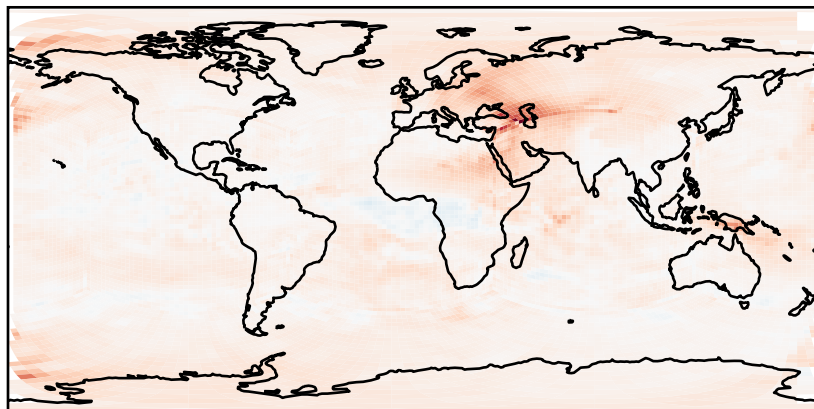
Difference  
Dev - Ref, Dynamic Range



Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



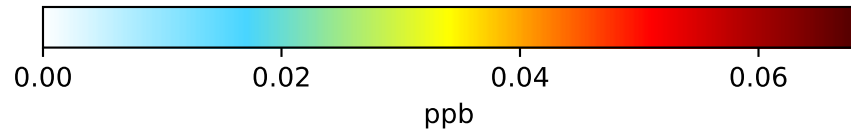
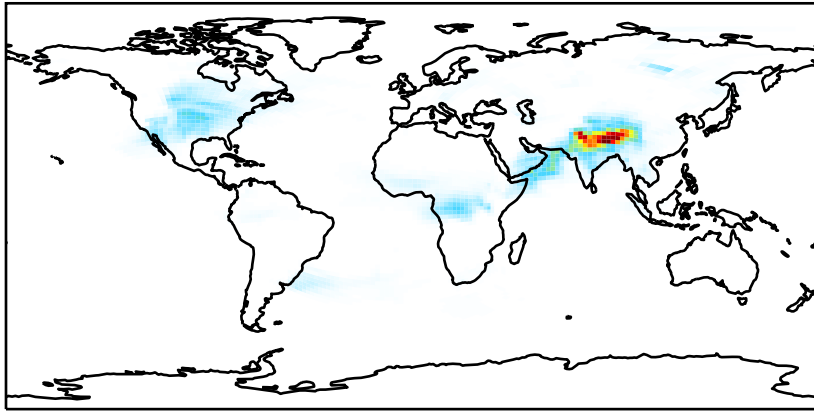
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



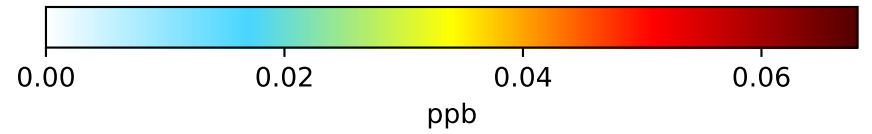
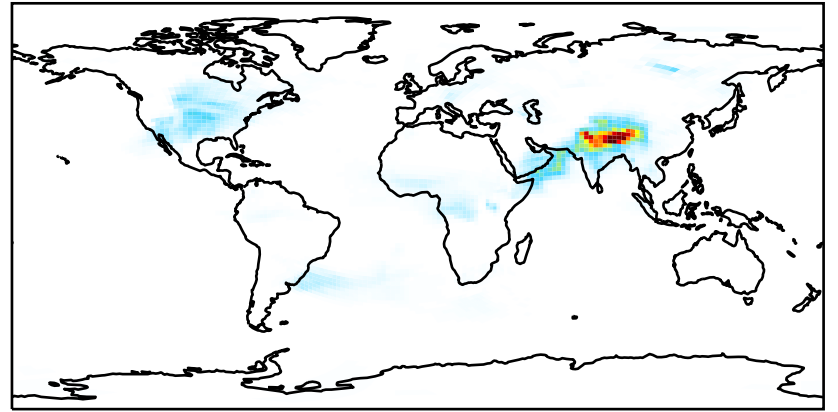


# SpeciesConc\_NH3

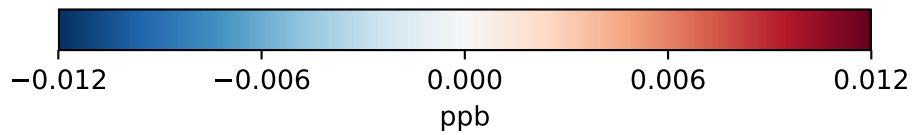
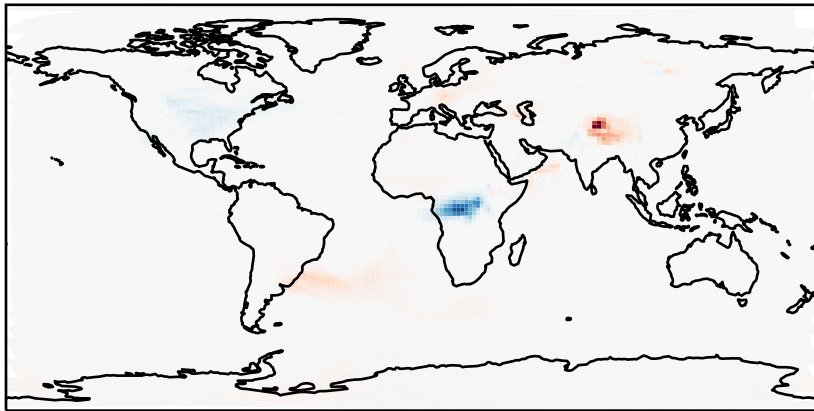
GCHP\_12.4.0 (Ref)  
c48



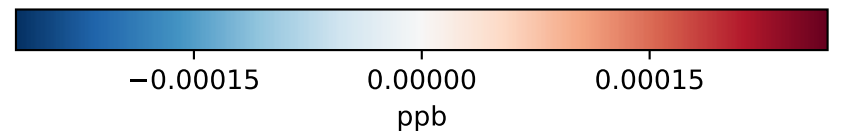
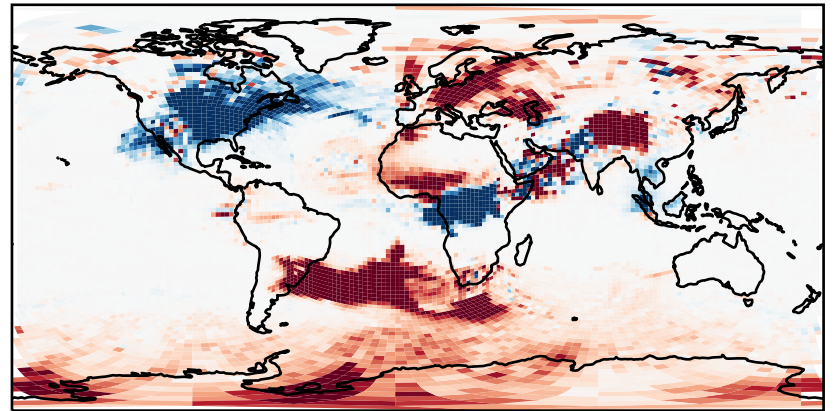
GCHP\_12.5.0 (Dev)  
c48



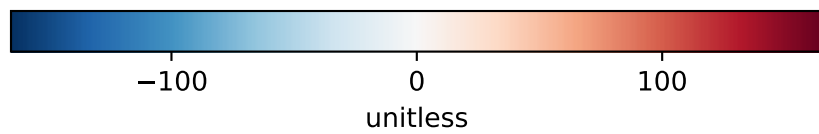
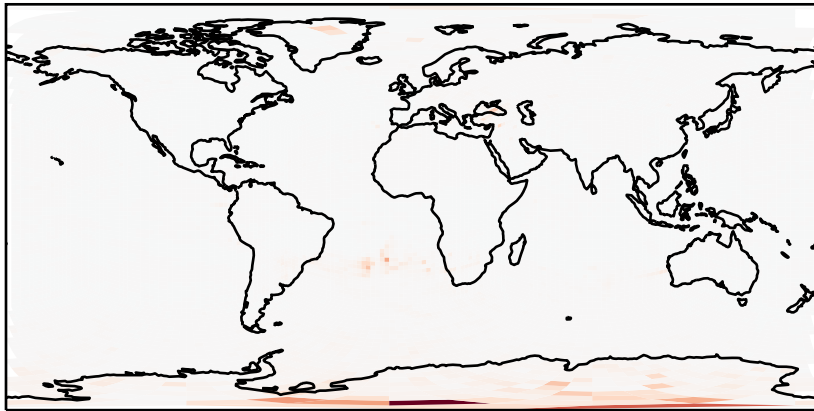
Difference  
Dev - Ref, Dynamic Range



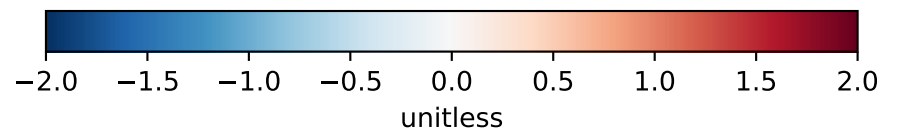
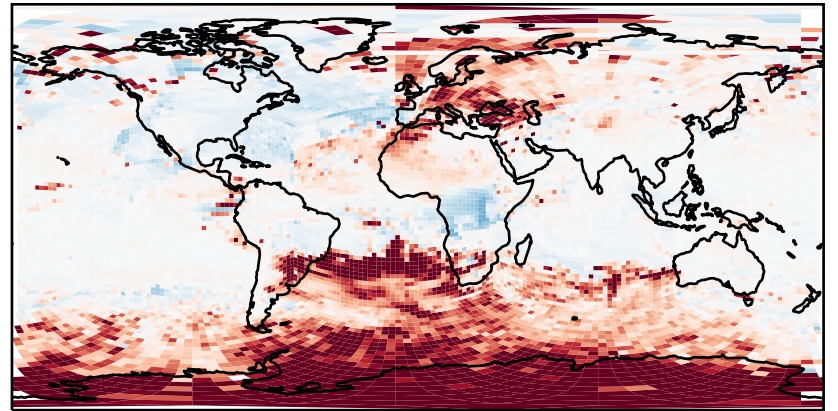
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

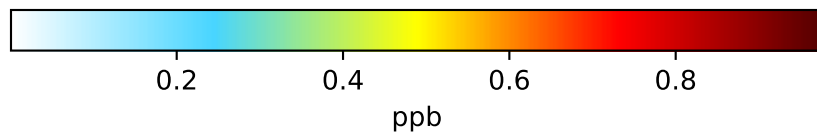
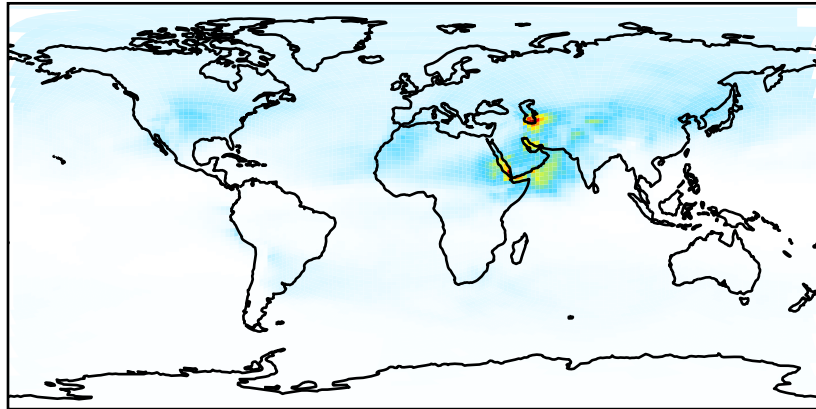


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

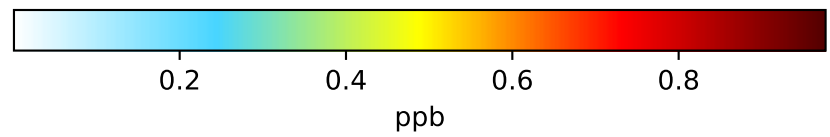
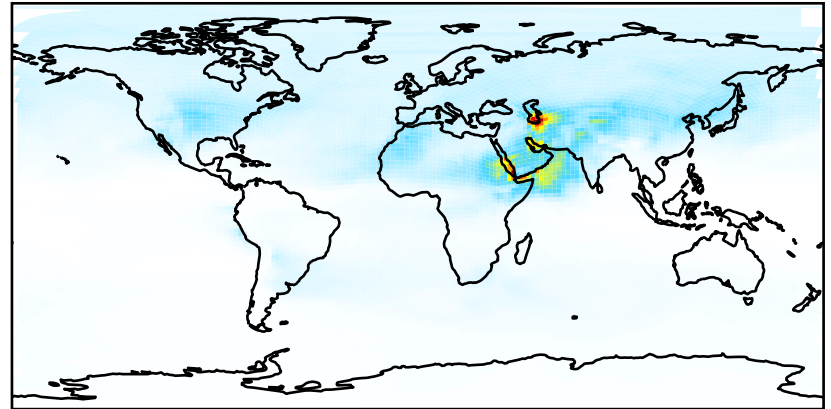


# SpeciesConc\_NH4

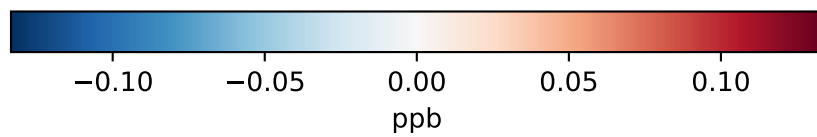
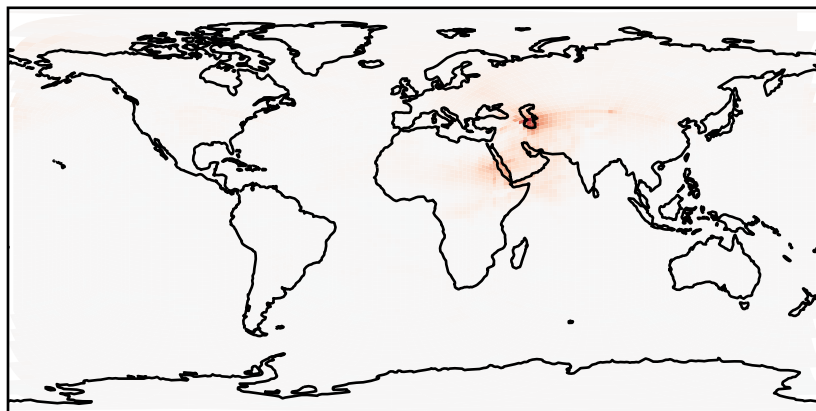
GCHP\_12.4.0 (Ref)  
c48



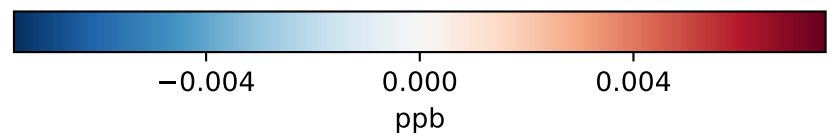
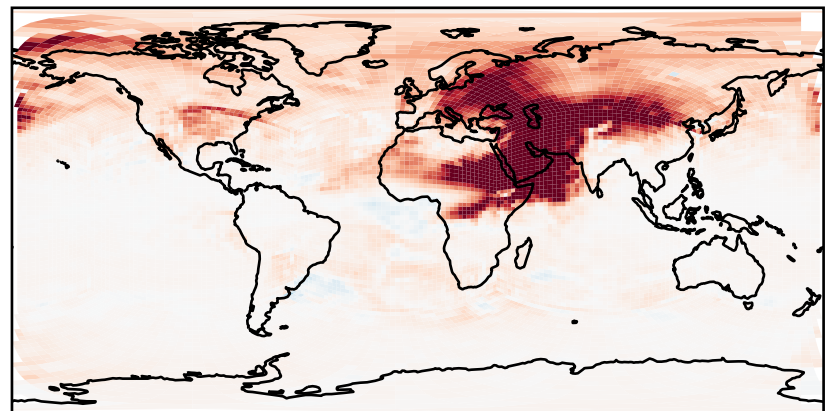
GCHP\_12.5.0 (Dev)  
c48



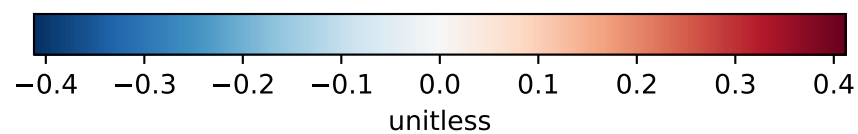
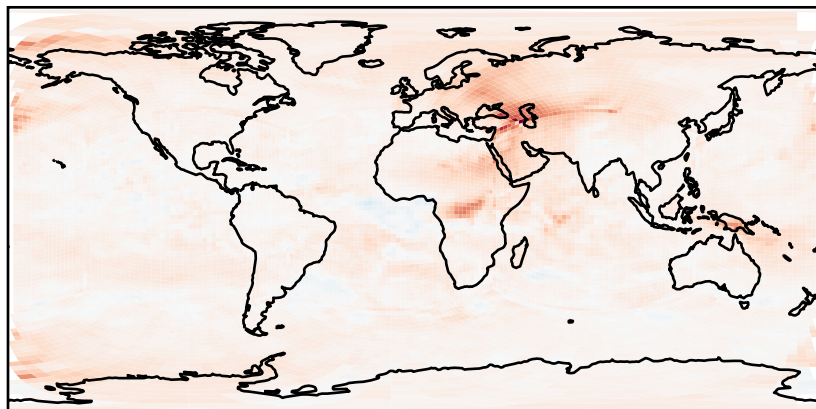
Difference  
Dev - Ref, Dynamic Range



Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

