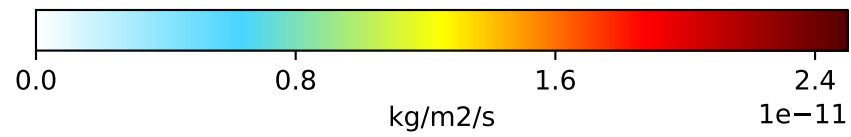
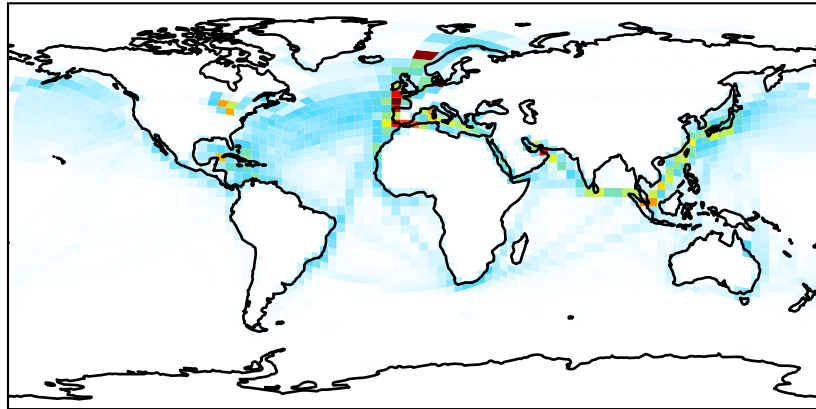
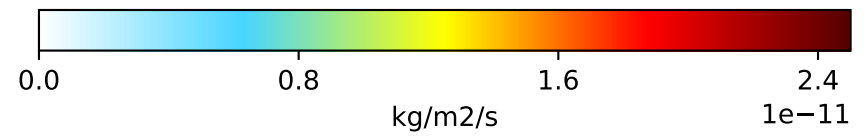
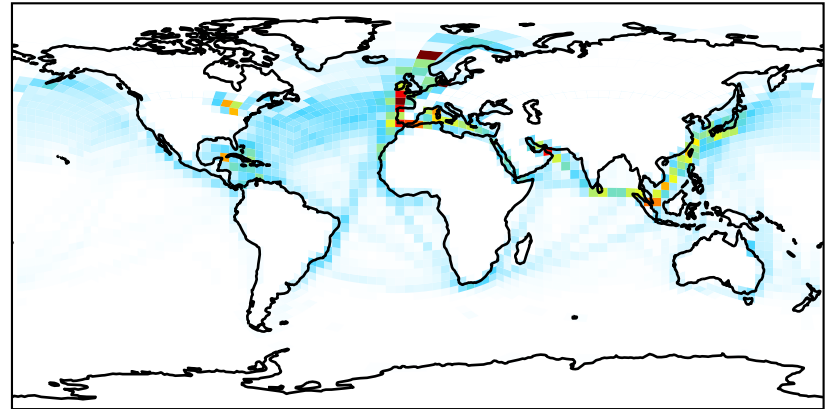


# EmisHNO3\_Ship

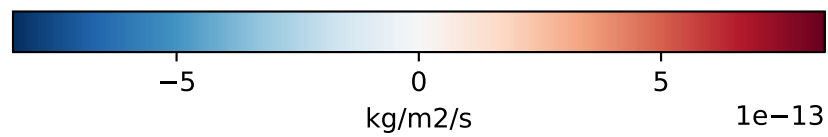
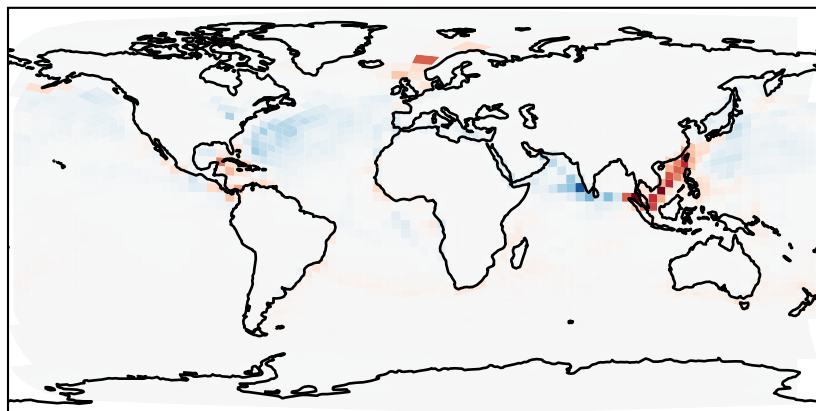
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



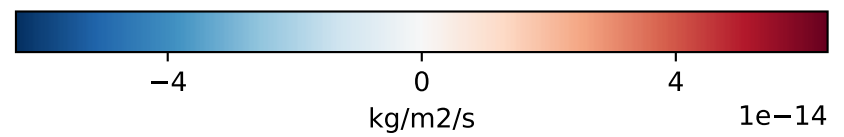
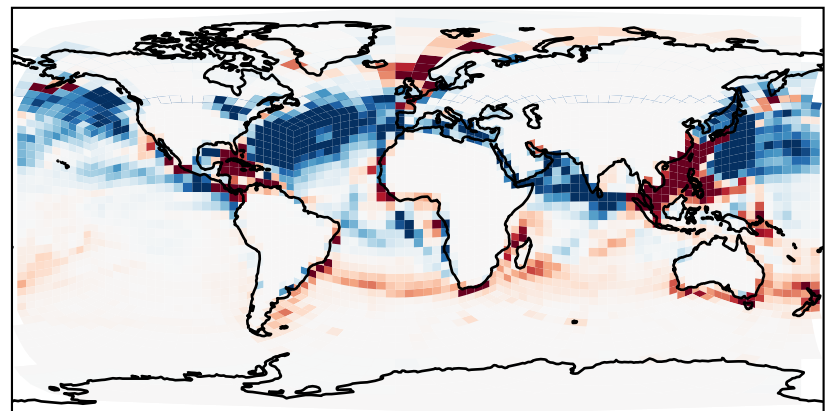
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



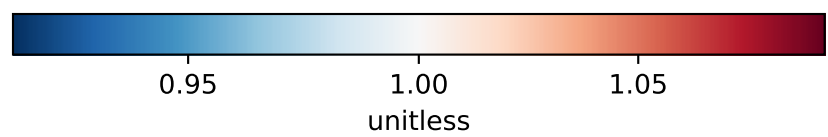
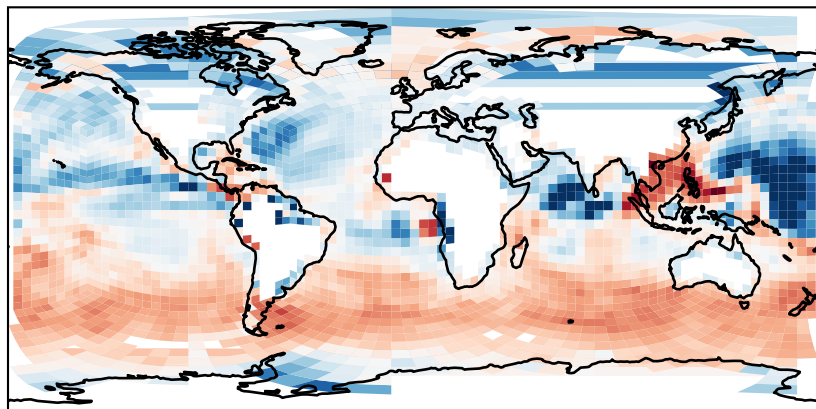
Difference  
Dev - Ref, Dynamic Range



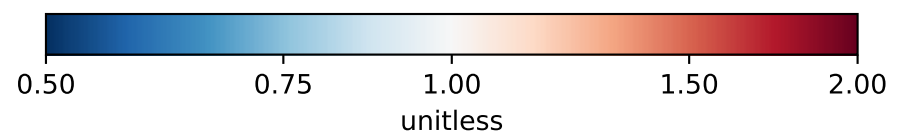
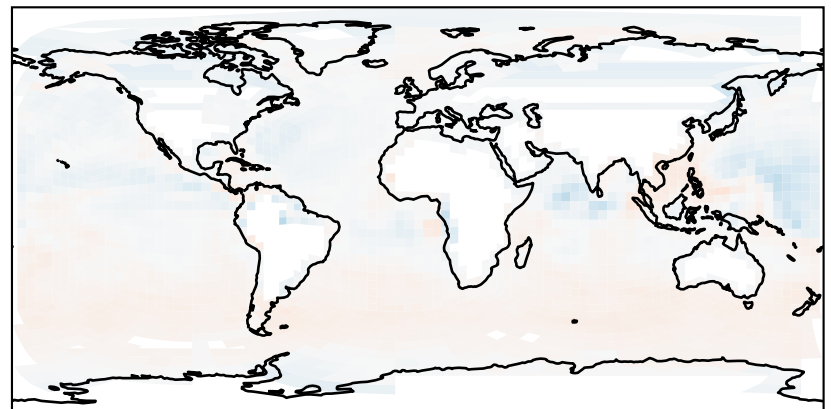
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

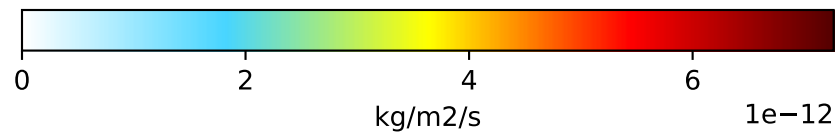
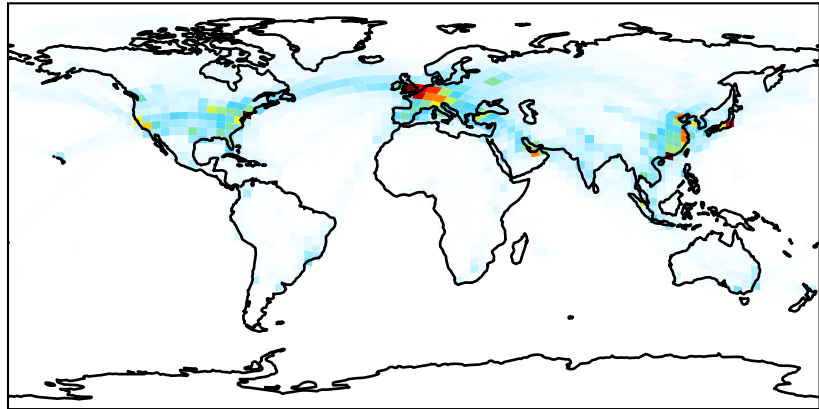


Ratio  
Dev/Ref, Fixed Range

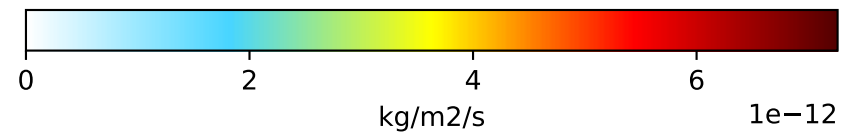
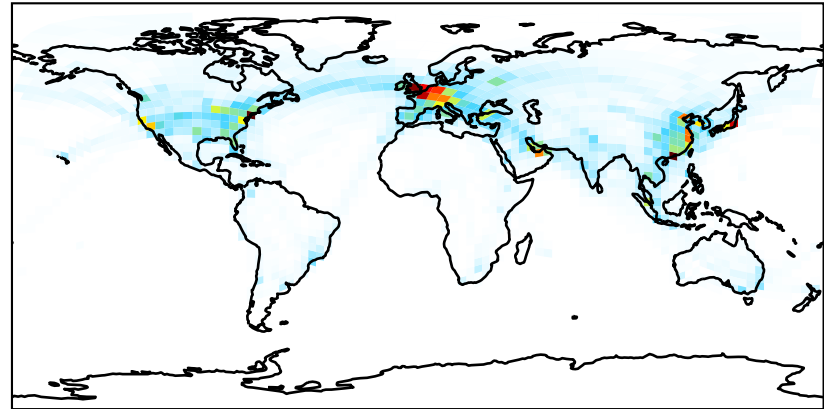


# EmisNO\_Aircraft

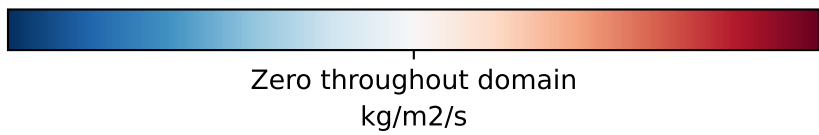
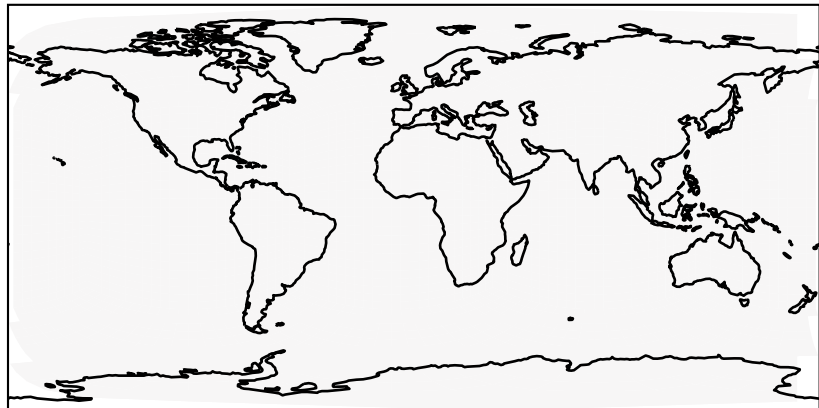
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



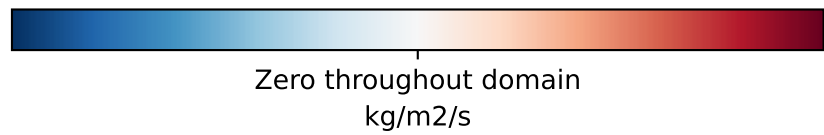
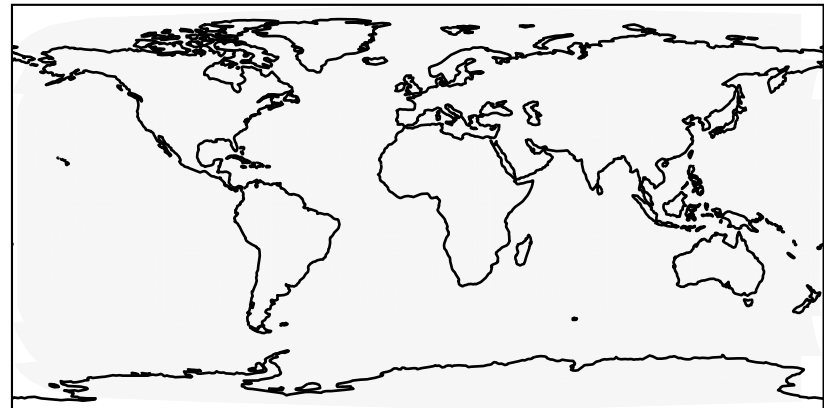
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



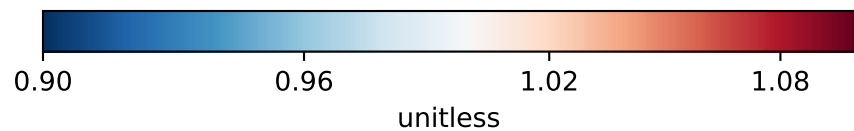
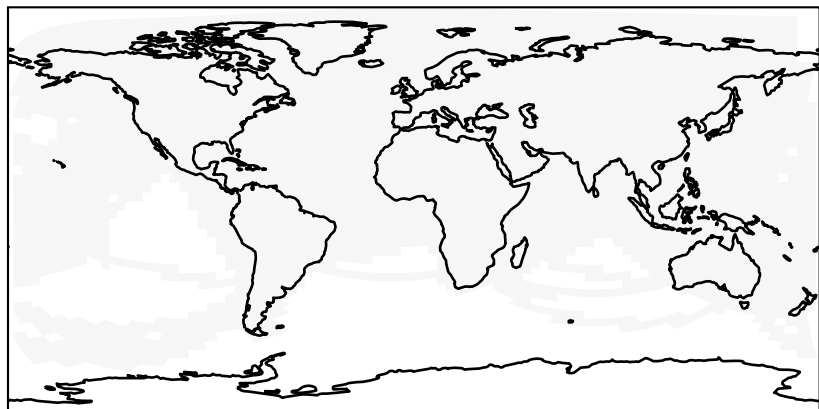
Difference  
Dev - Ref, Dynamic Range



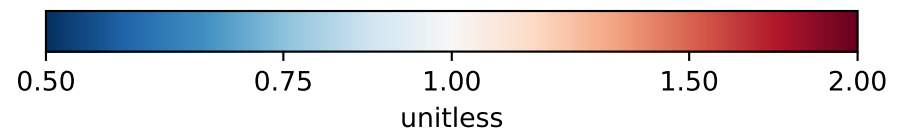
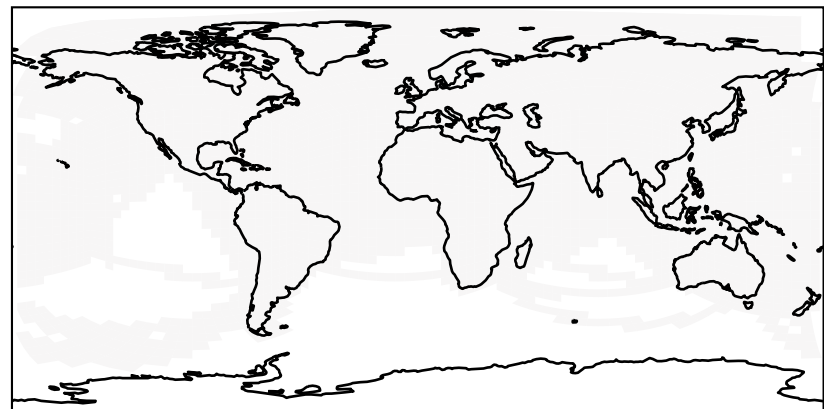
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

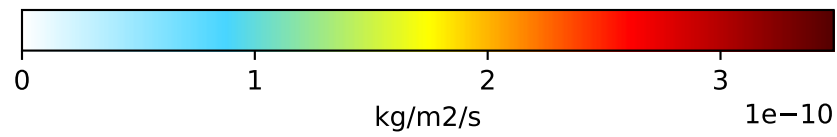
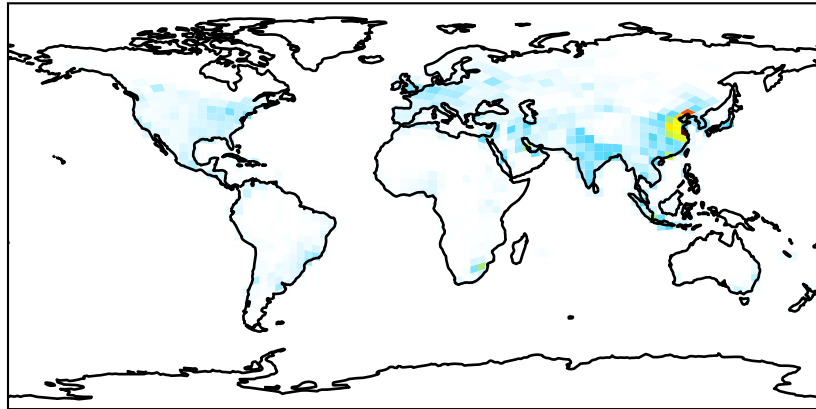


Ratio  
Dev/Ref, Fixed Range

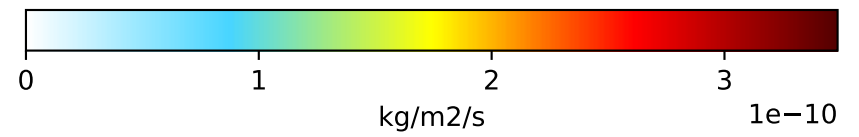
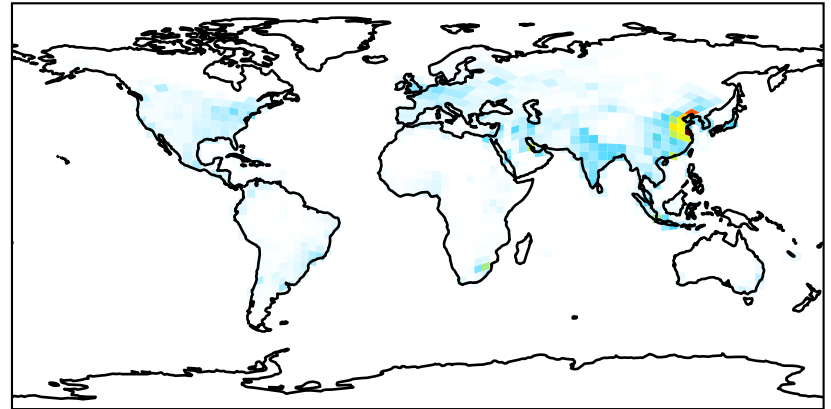


# EmisNO\_Anthro

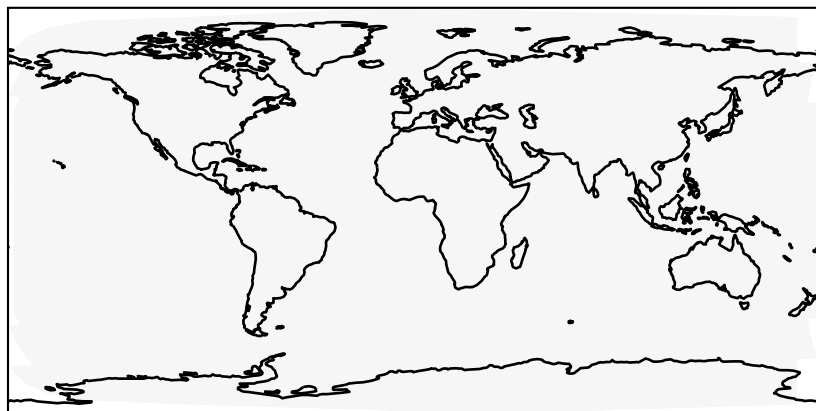
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



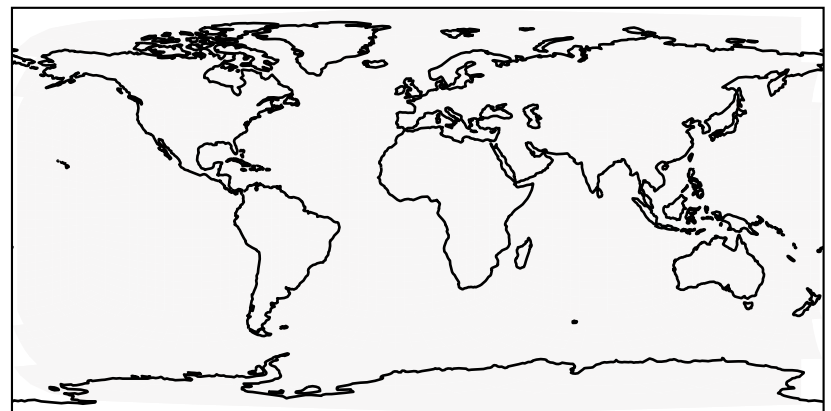
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



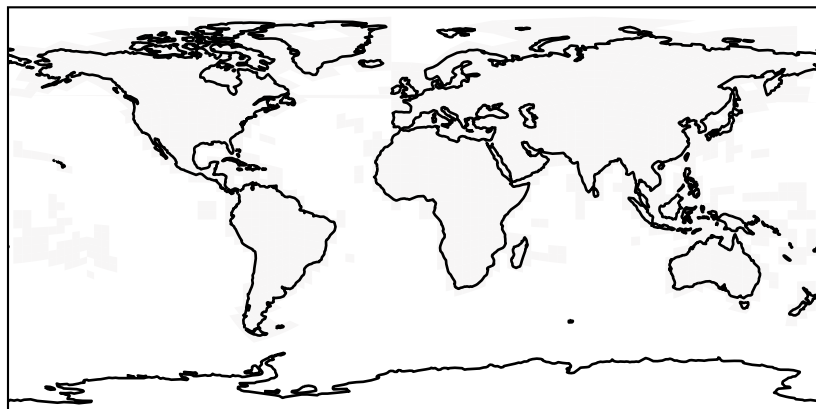
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range

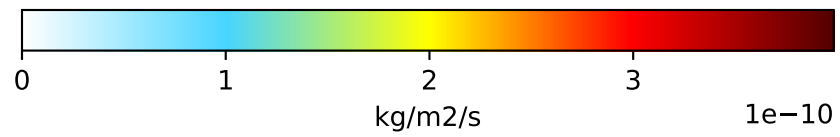
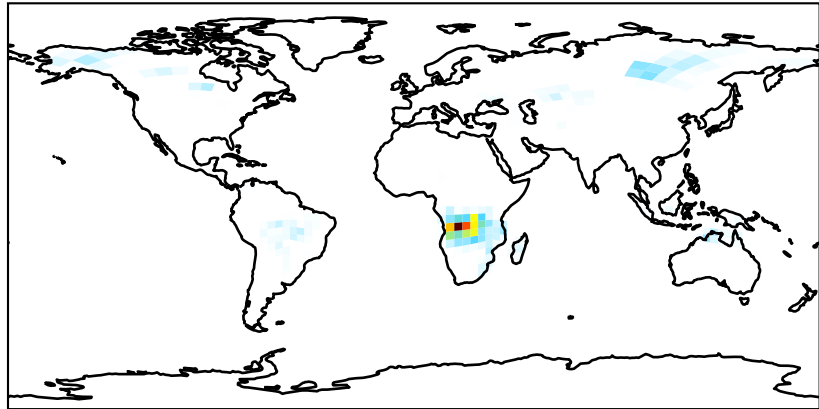


Ratio  
Dev/Ref, Fixed Range

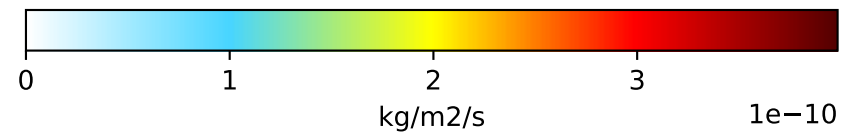
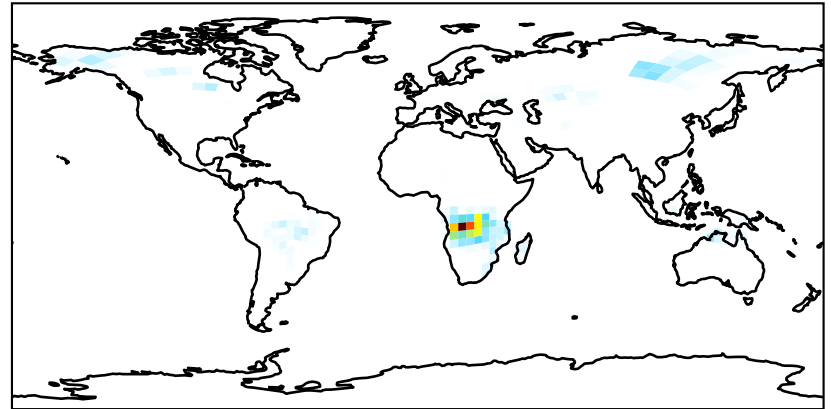


# EmisNO\_BioBurn

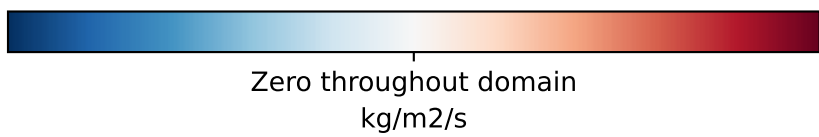
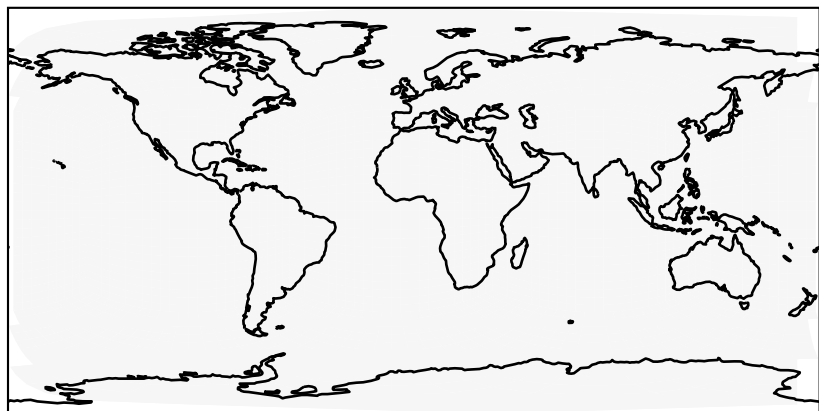
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



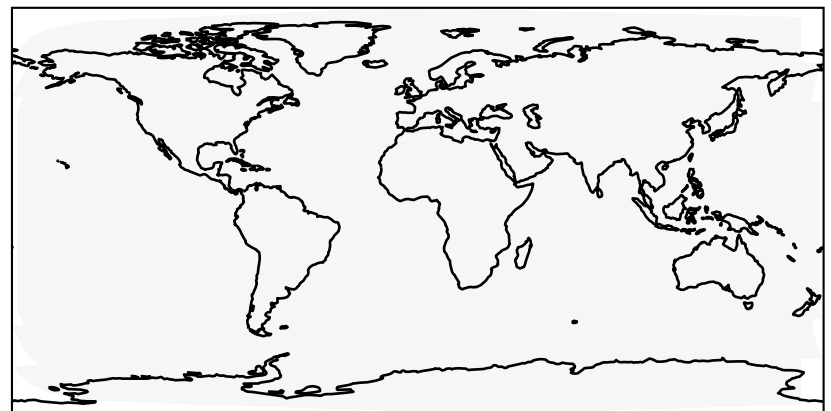
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



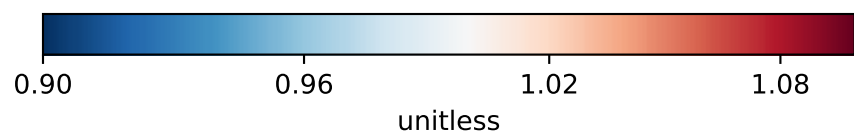
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range



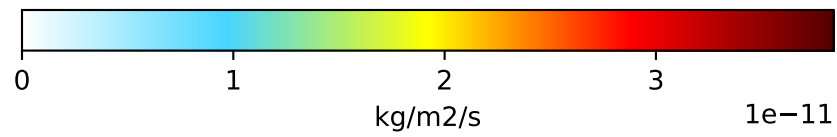
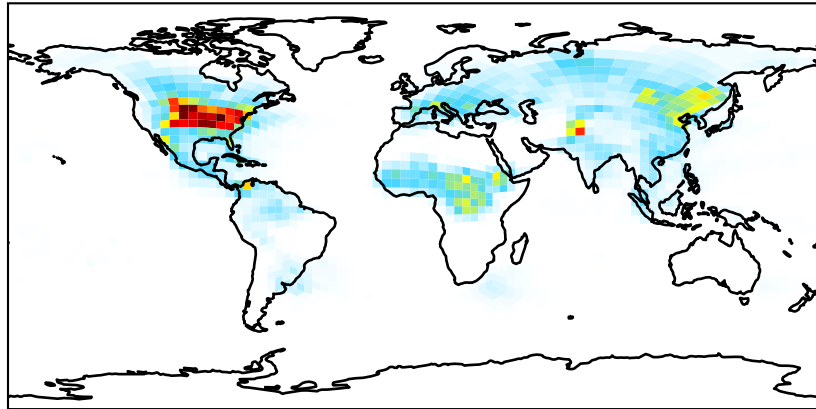
Ratio  
Dev/Ref, Fixed Range



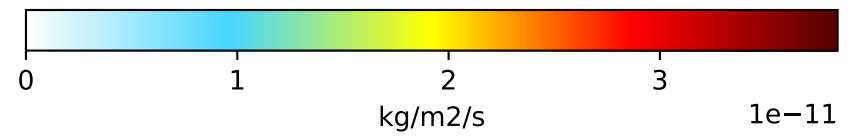
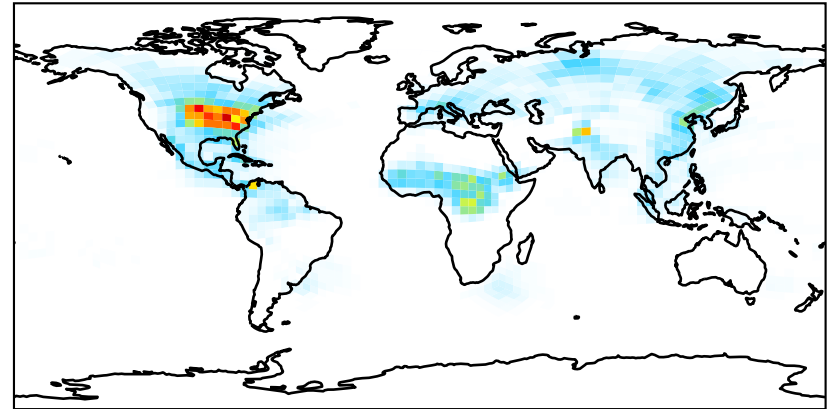


# EmisNO\_Lightning

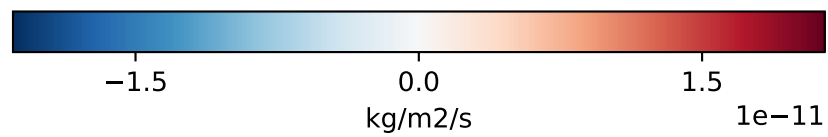
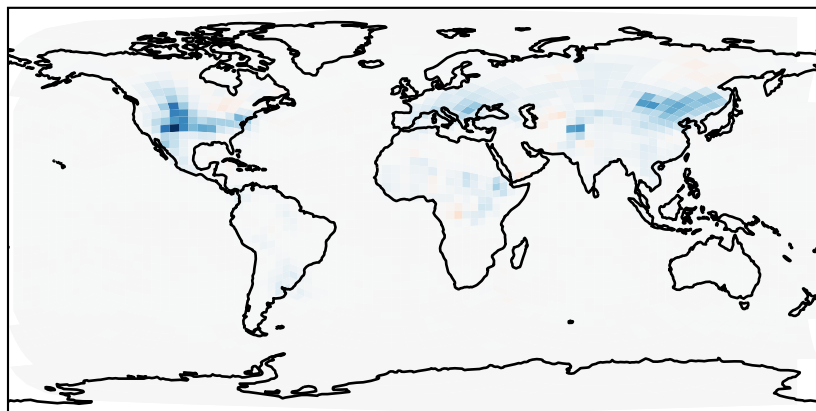
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



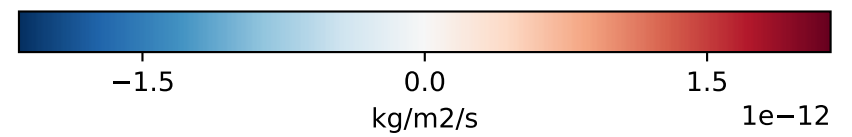
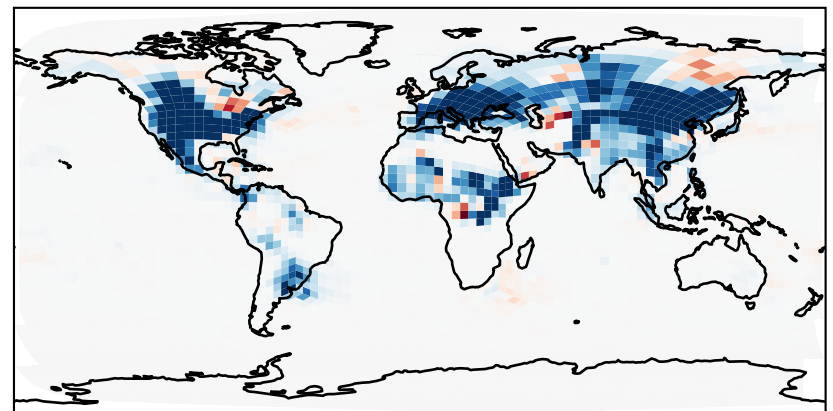
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



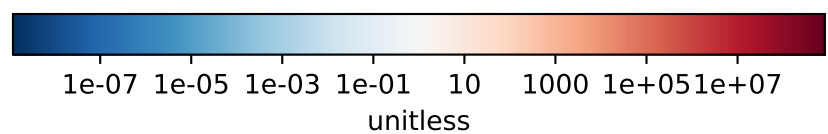
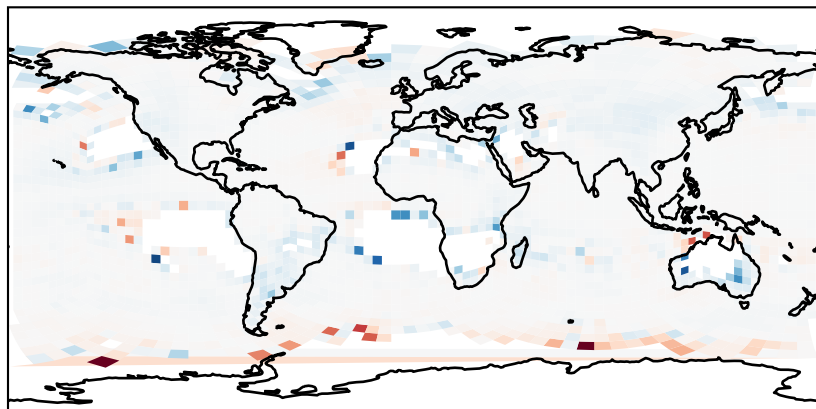
Difference  
Dev - Ref, Dynamic Range



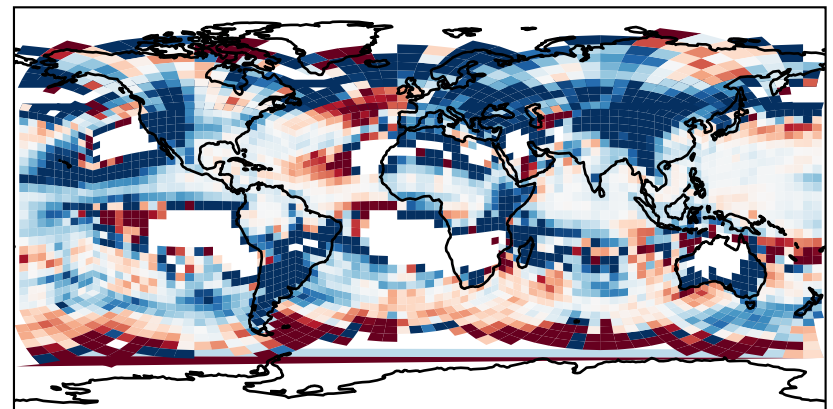
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

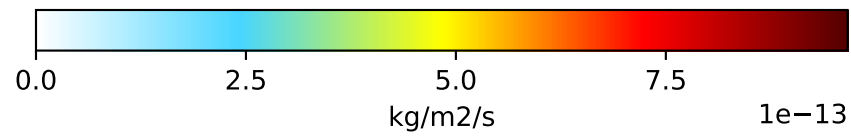
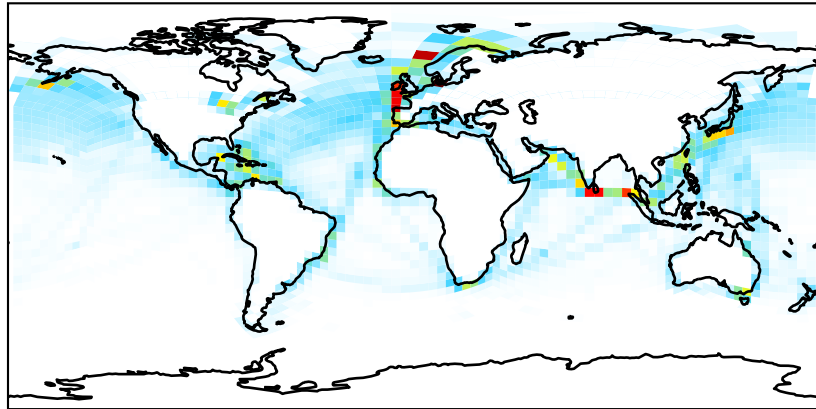


Ratio  
Dev/Ref, Fixed Range

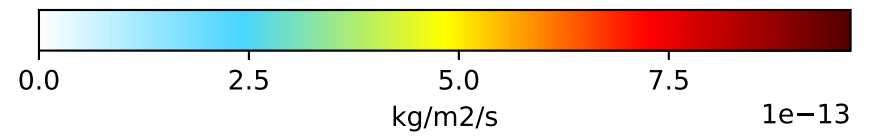
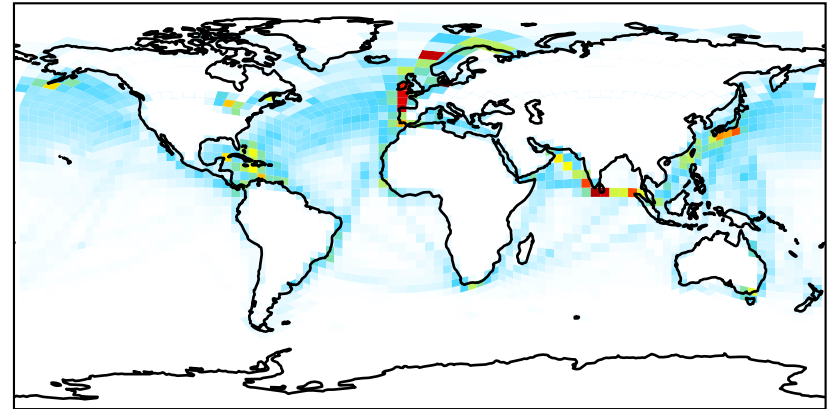


# EmisNO\_Ship

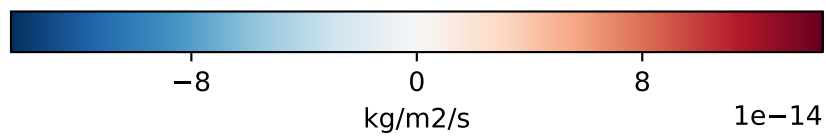
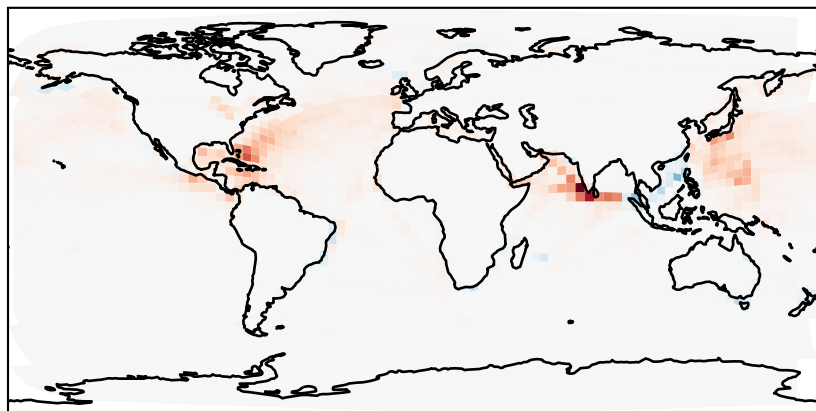
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



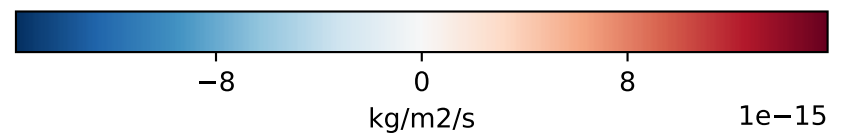
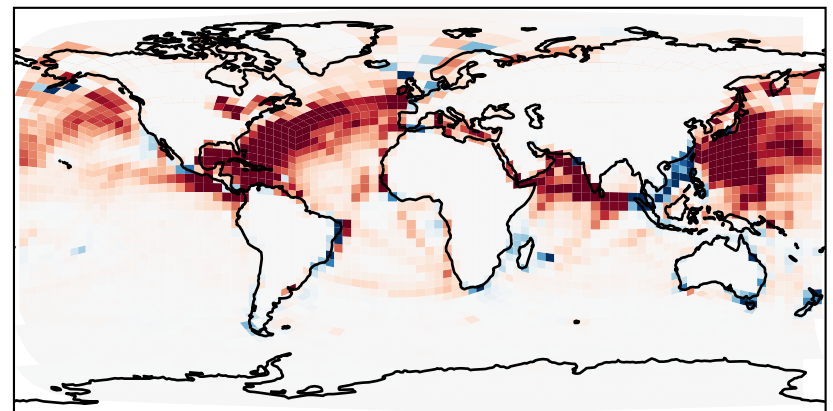
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



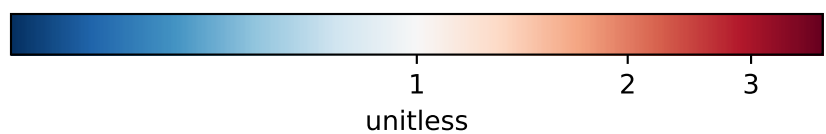
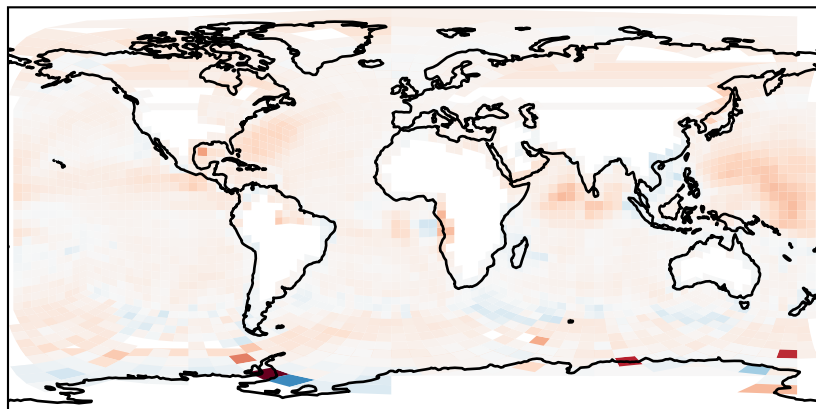
Difference  
Dev - Ref, Dynamic Range



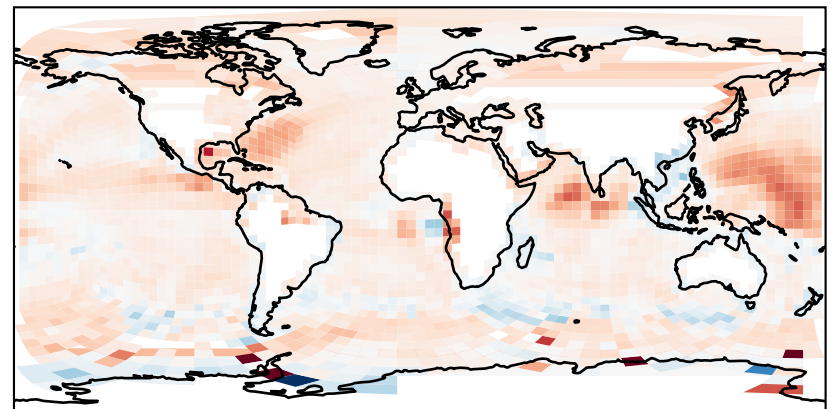
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

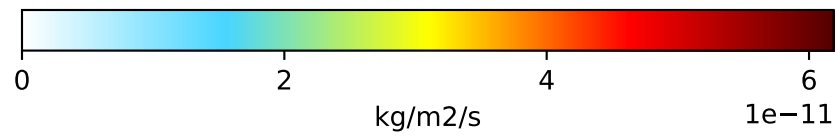
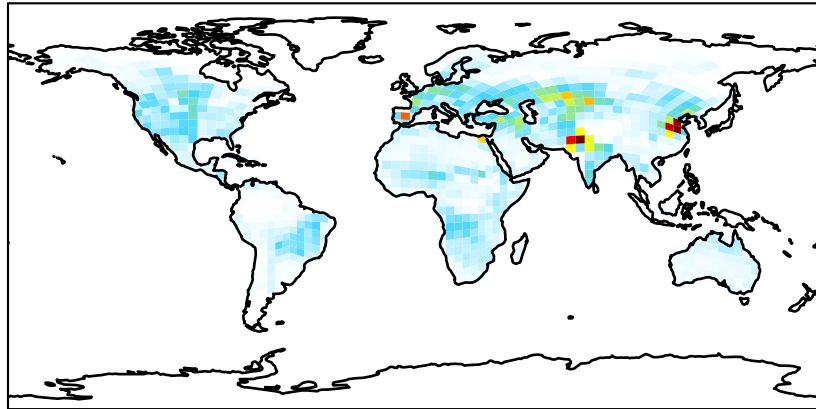


Ratio  
Dev/Ref, Fixed Range

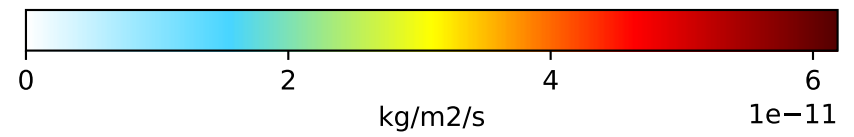
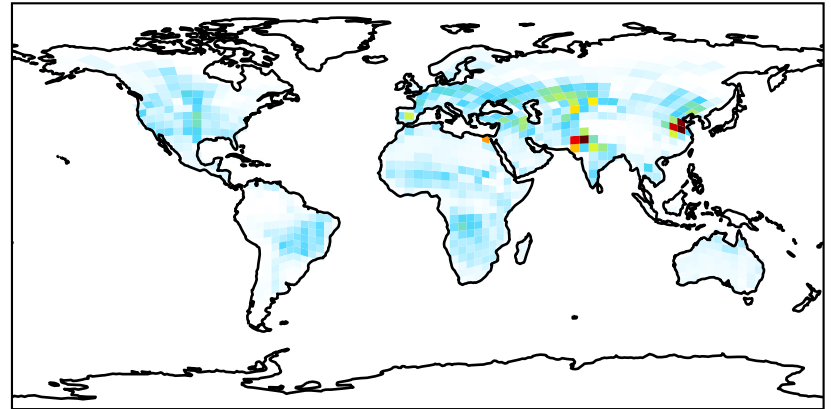


# EmisNO\_Soil

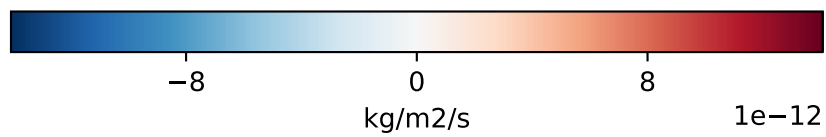
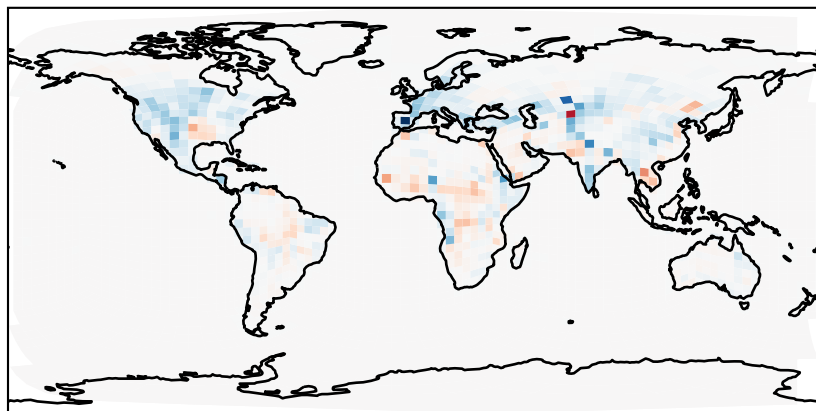
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



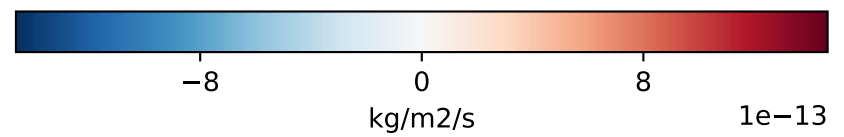
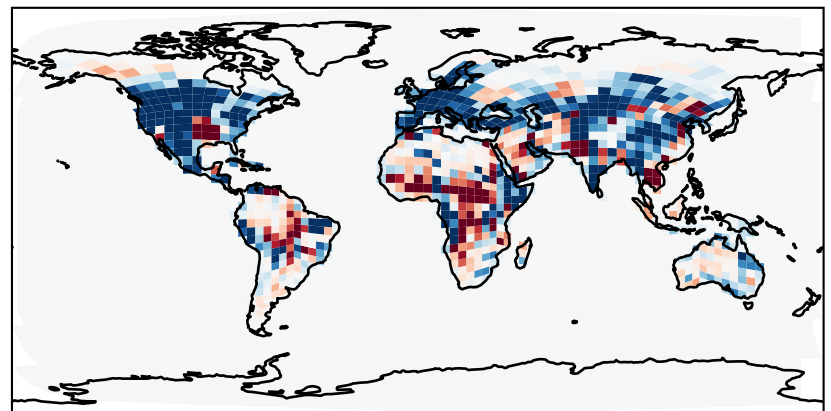
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



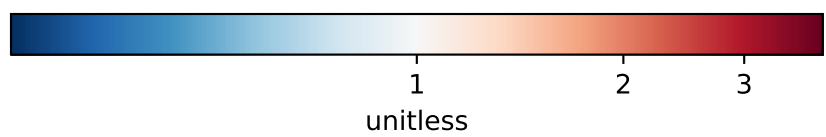
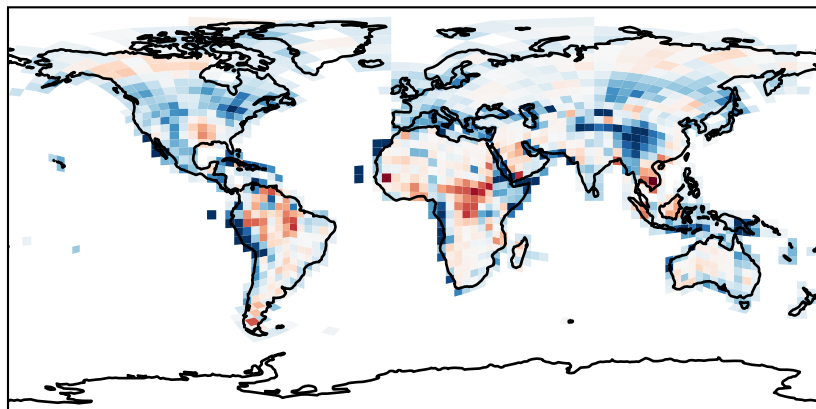
Difference  
Dev - Ref, Dynamic Range



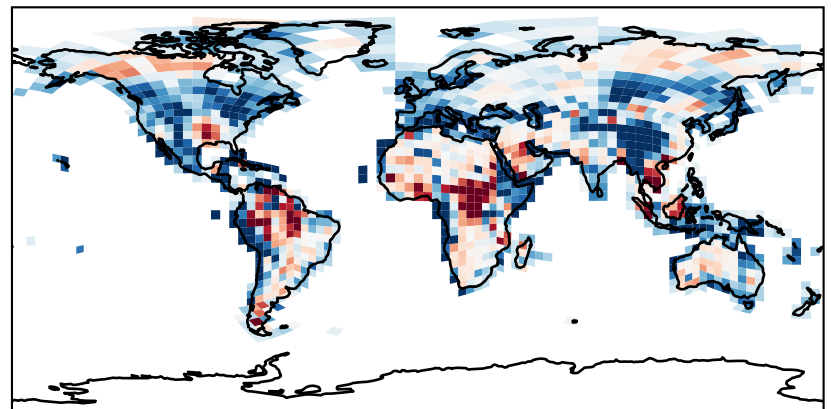
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



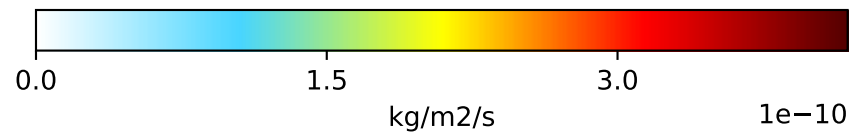
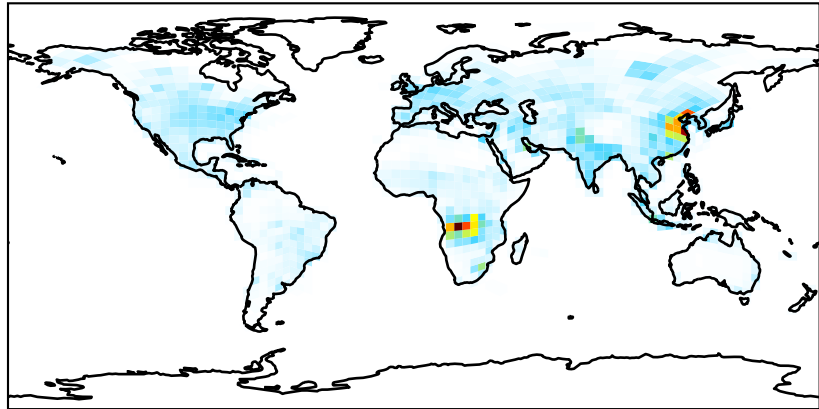
Ratio  
Dev/Ref, Fixed Range



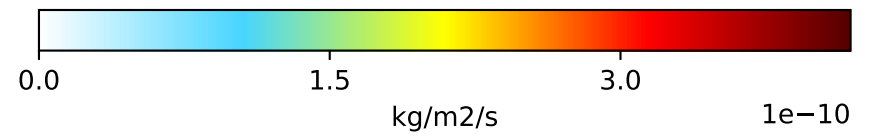
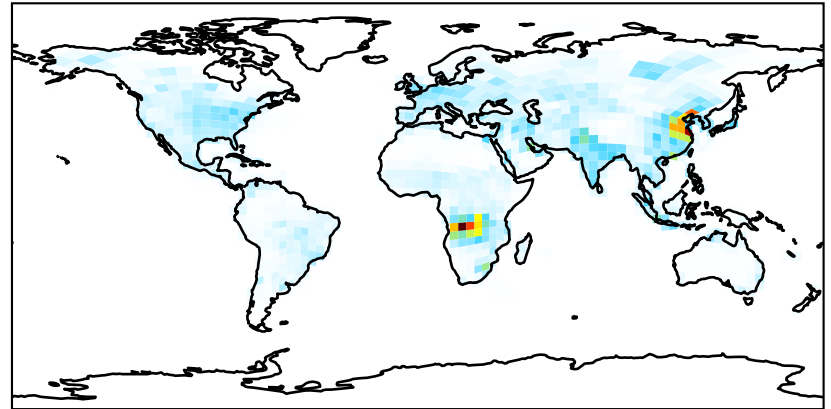


# EmisNO\_Total

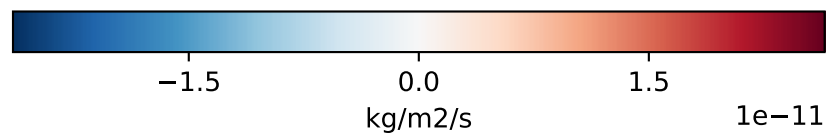
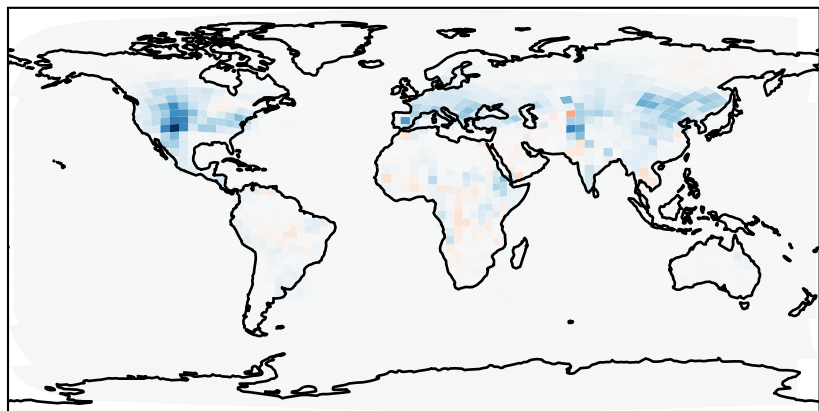
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



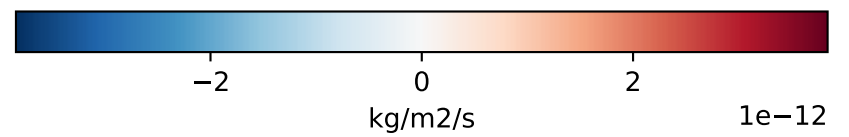
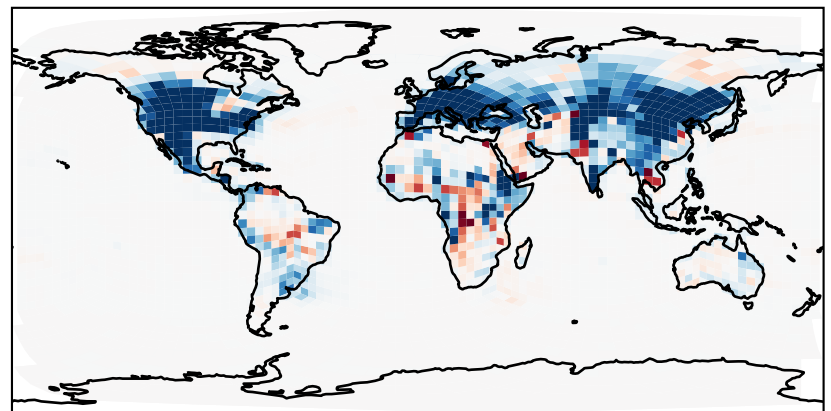
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



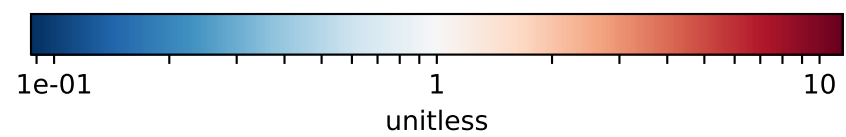
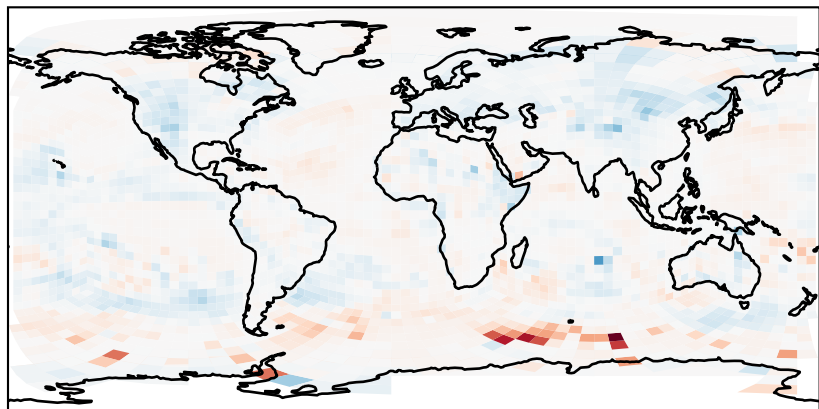
Difference  
Dev - Ref, Dynamic Range



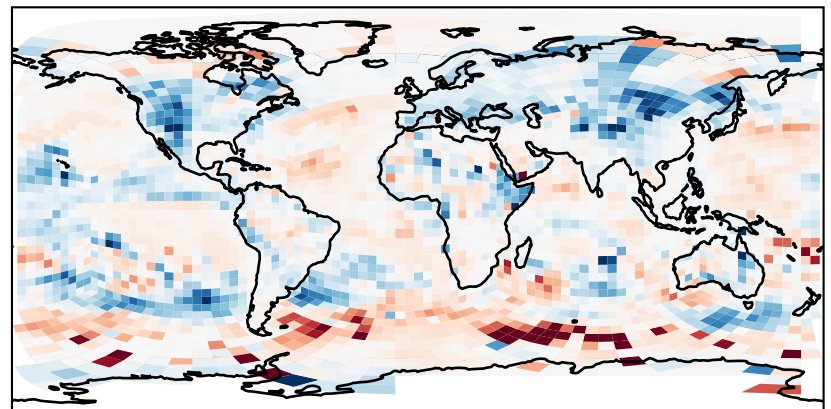
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



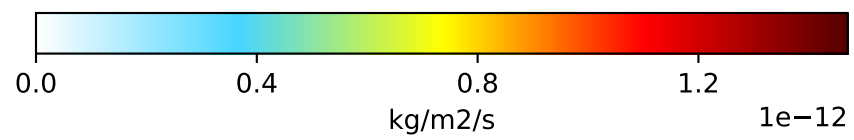
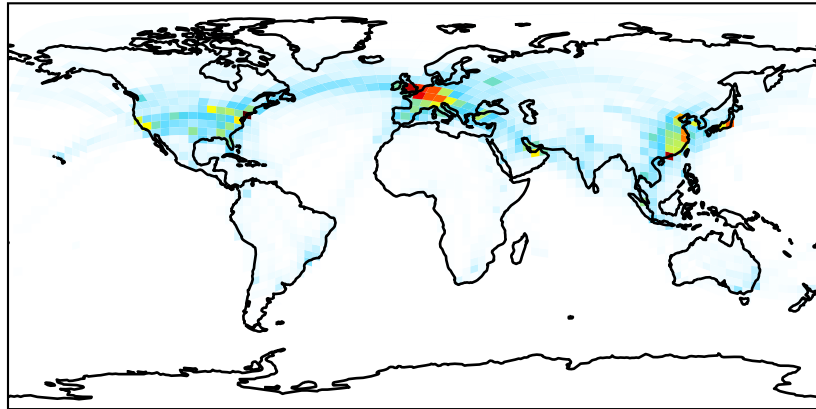
Ratio  
Dev/Ref, Fixed Range



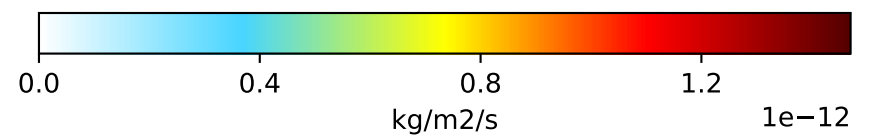
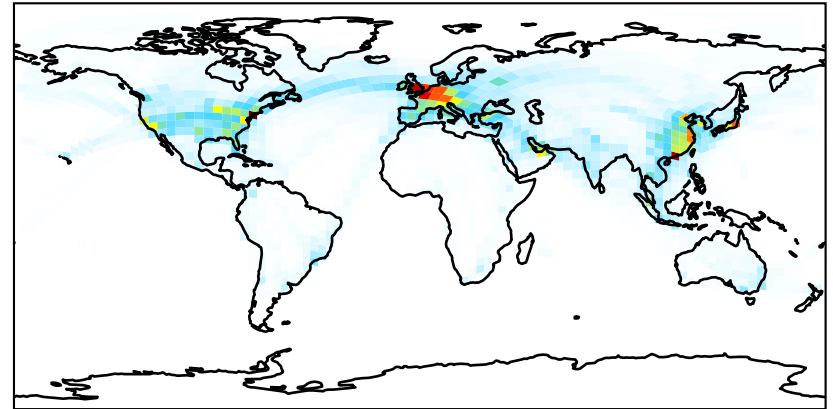


# EmisNO2\_Aircraft

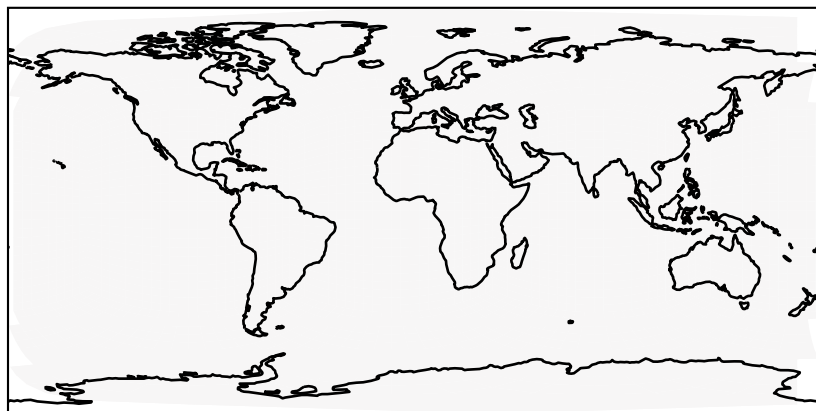
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



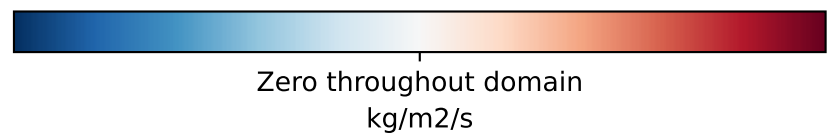
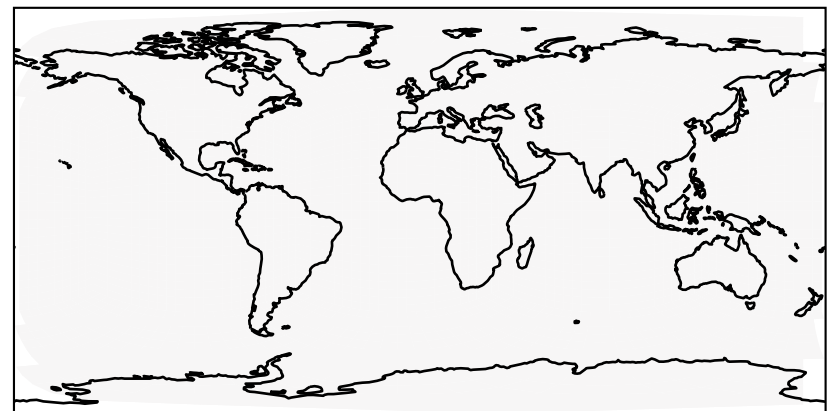
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



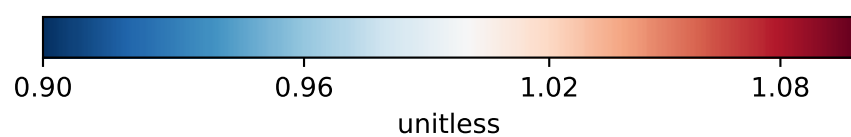
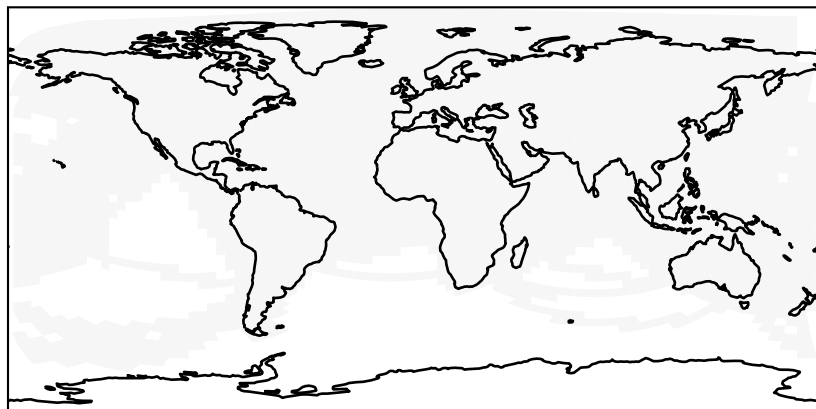
Difference  
Dev - Ref, Dynamic Range



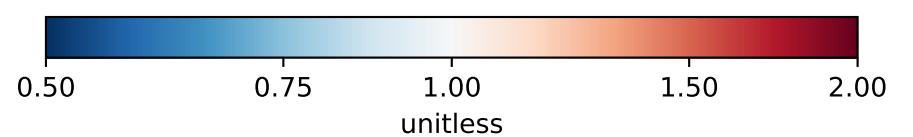
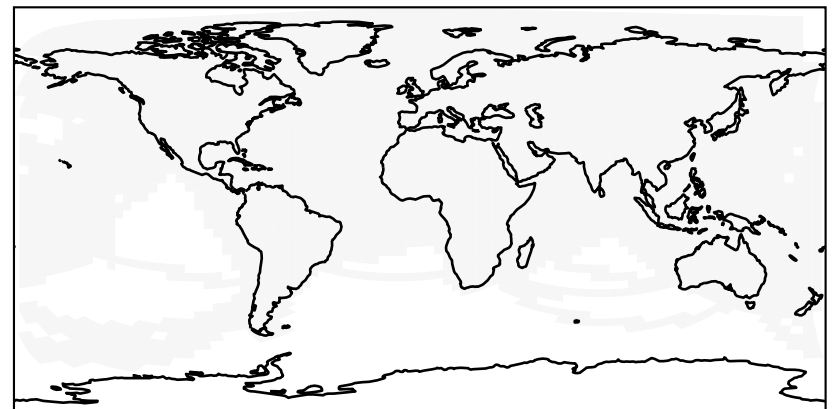
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

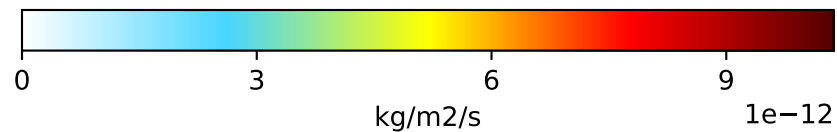
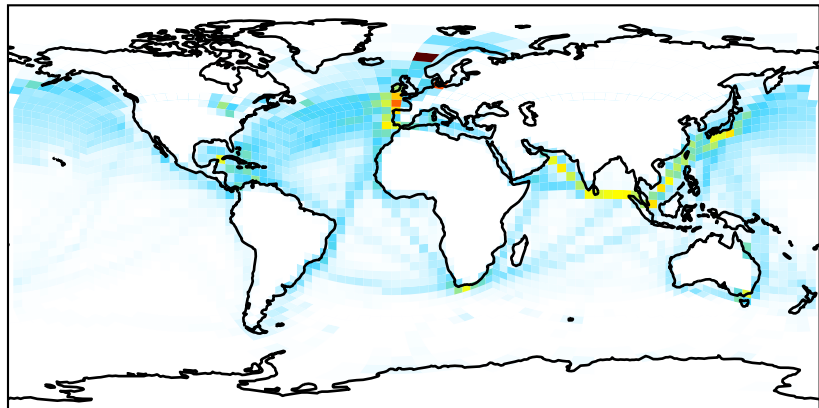


Ratio  
Dev/Ref, Fixed Range

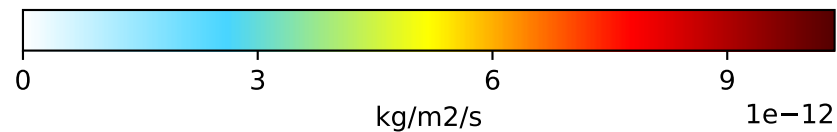
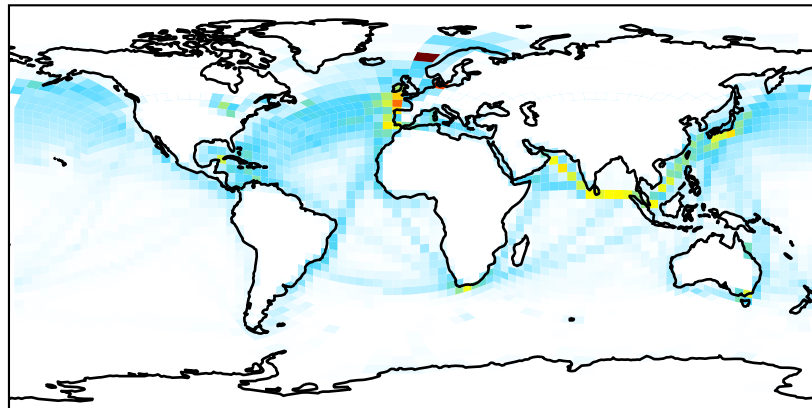


# EmisNO2\_Ship

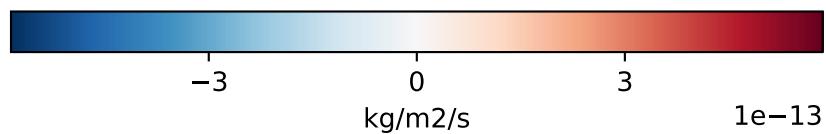
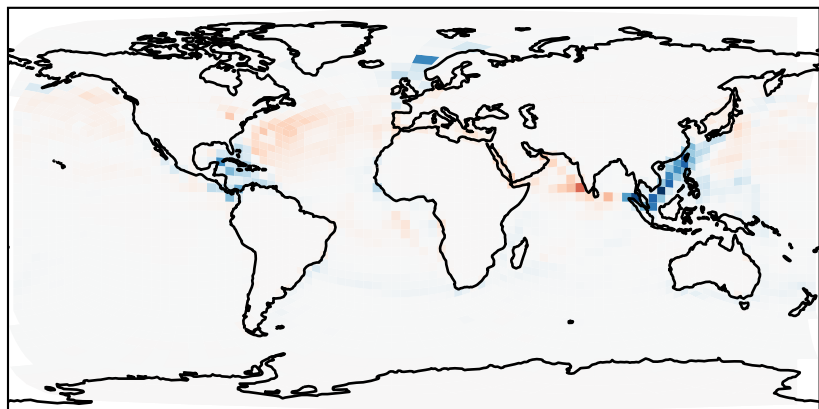
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



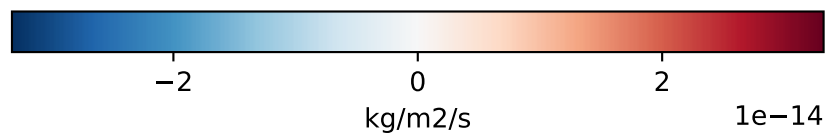
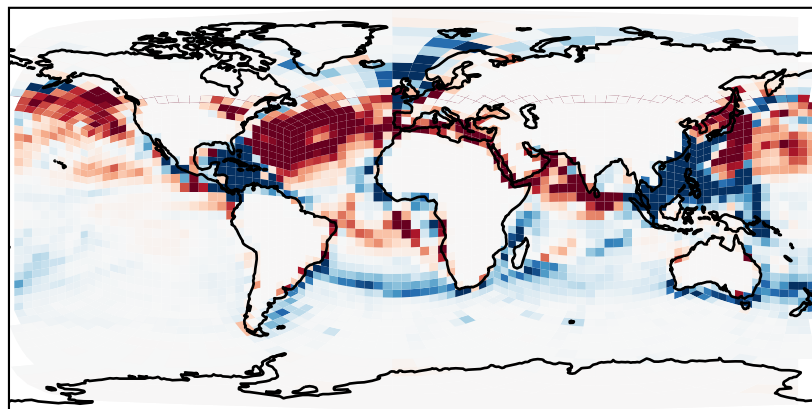
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



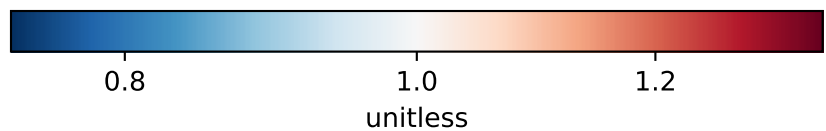
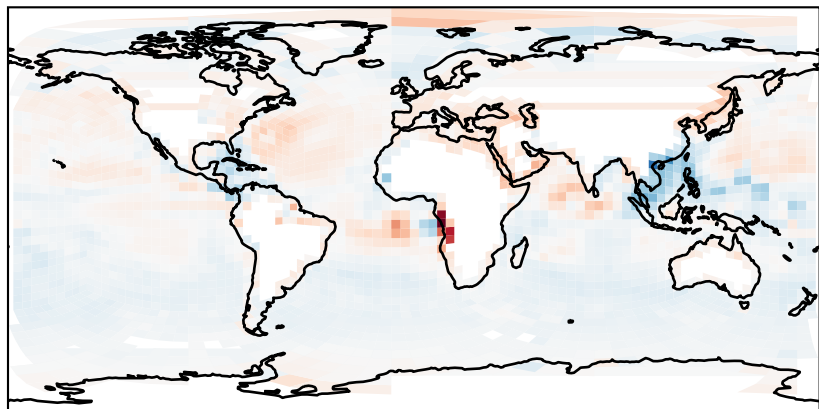
Difference  
Dev - Ref, Dynamic Range



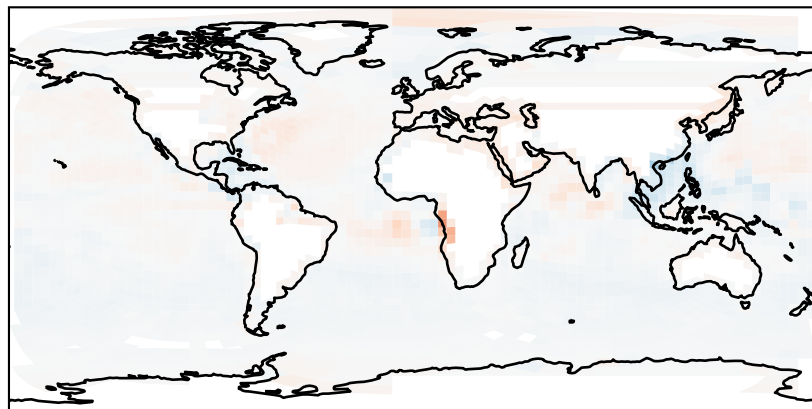
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

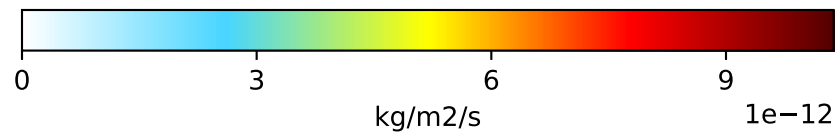
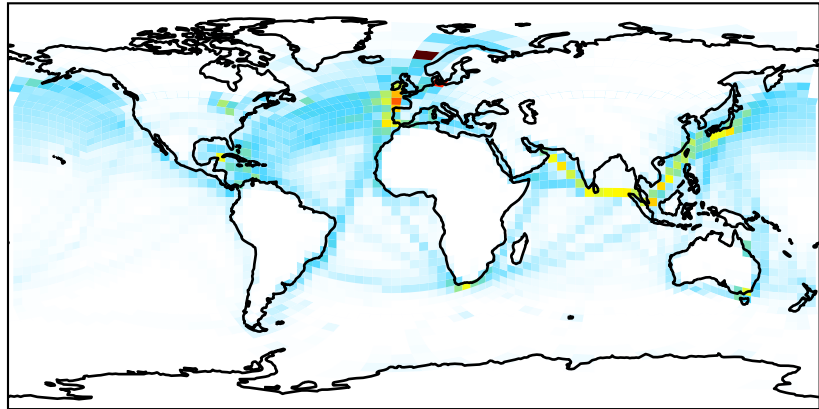


Ratio  
Dev/Ref, Fixed Range

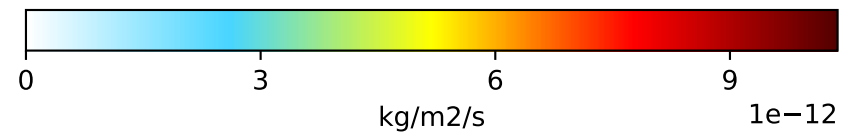
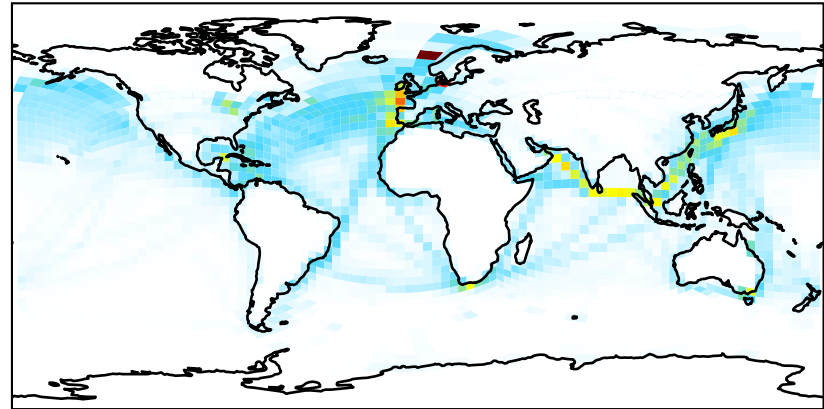


# EmisNO2\_Total

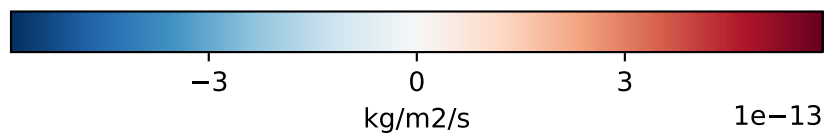
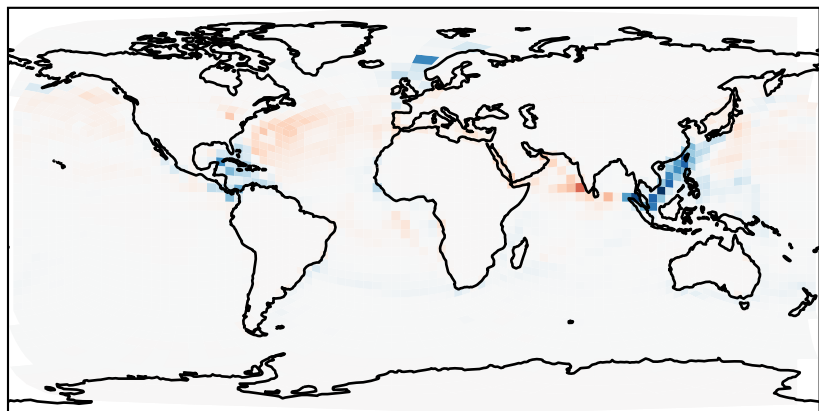
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



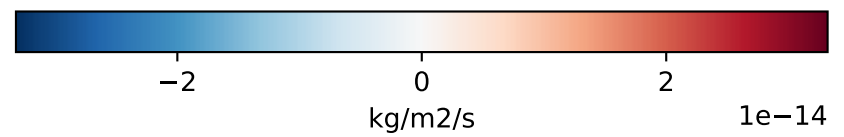
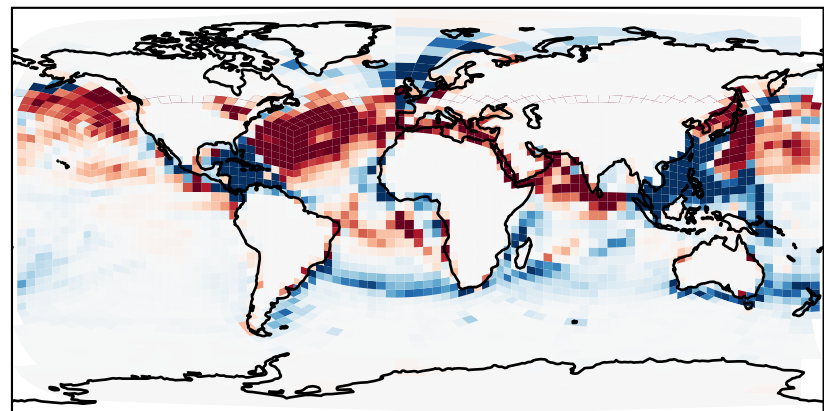
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



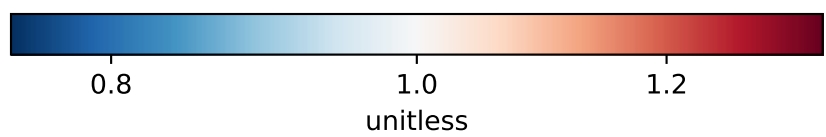
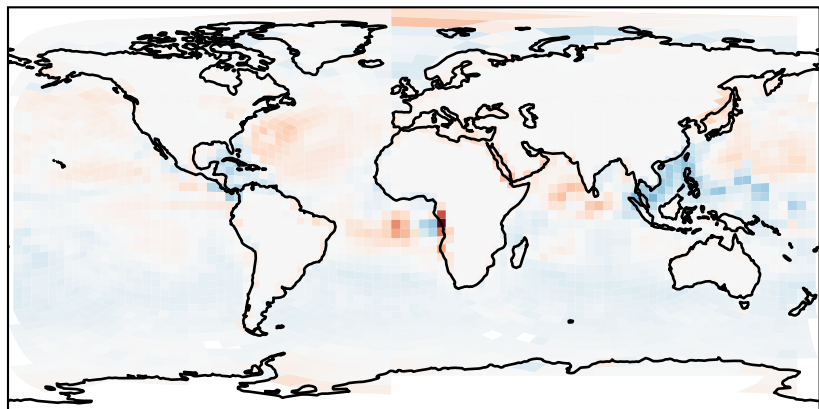
Difference  
Dev - Ref, Dynamic Range



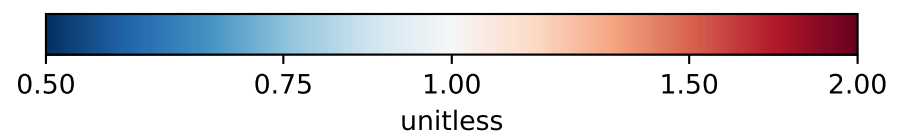
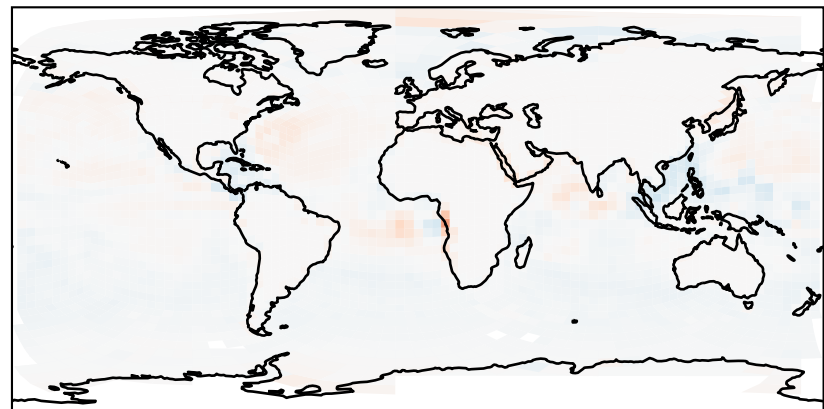
Difference  
Dev - Ref, Restricted Range [5%,95%]



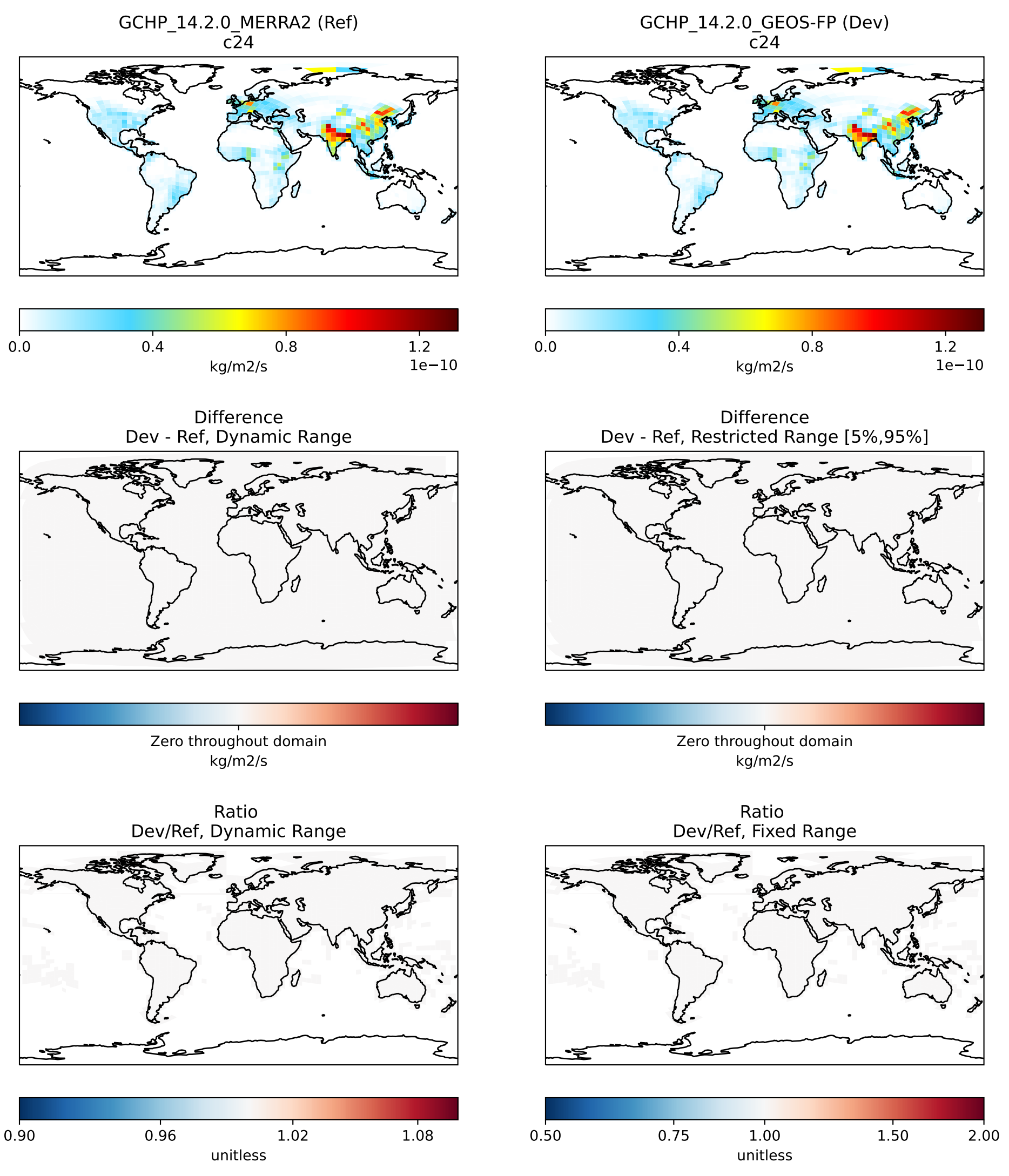
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



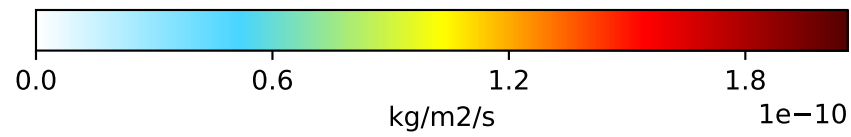
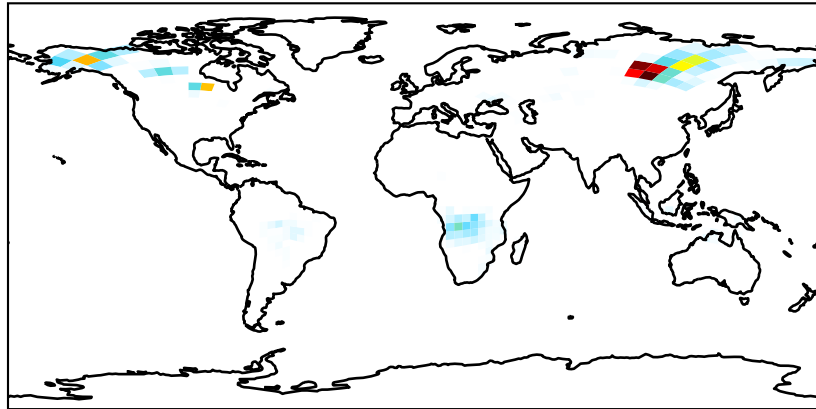
# EmisNH3\_Anthro



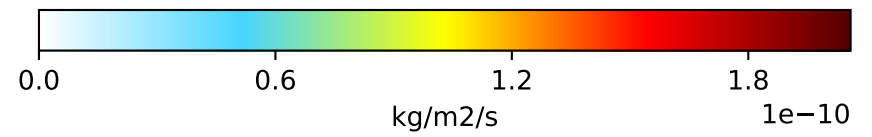
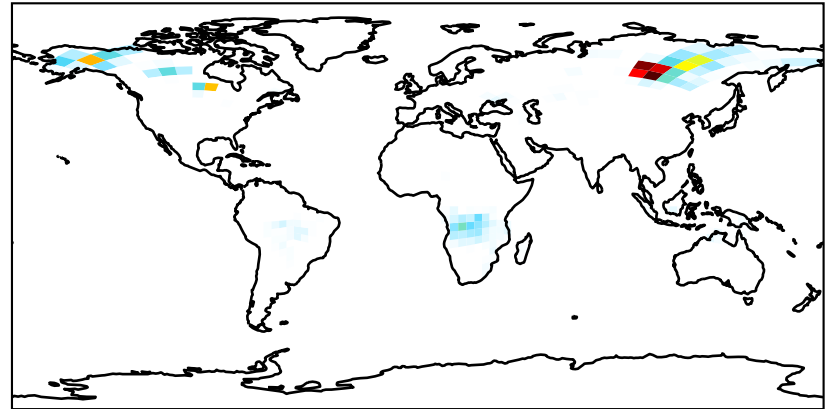


# EmisNH3\_BioBurn

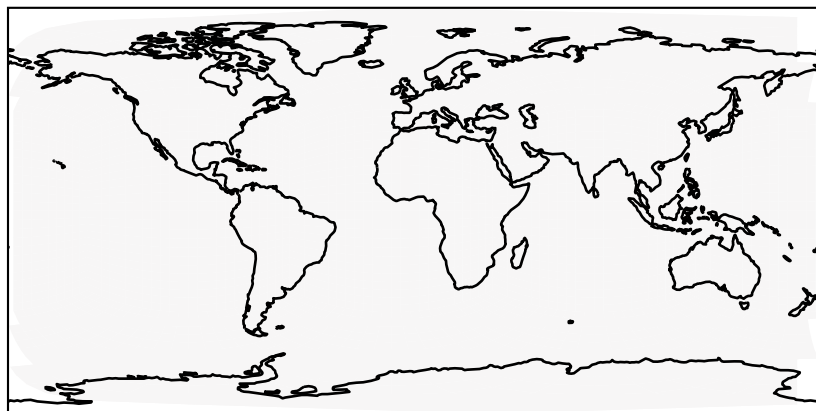
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



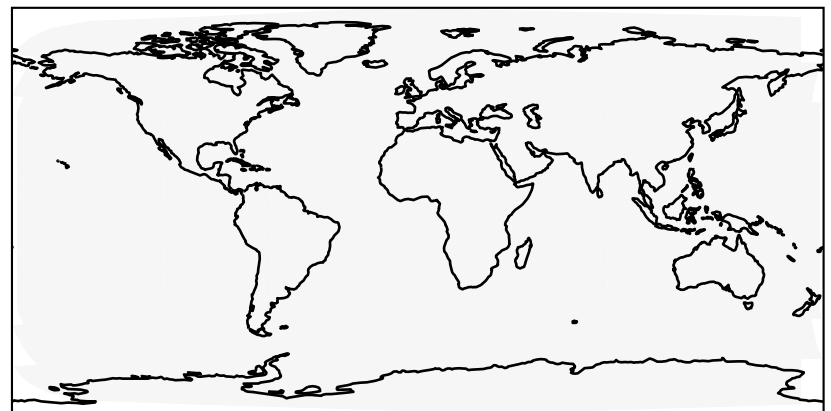
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



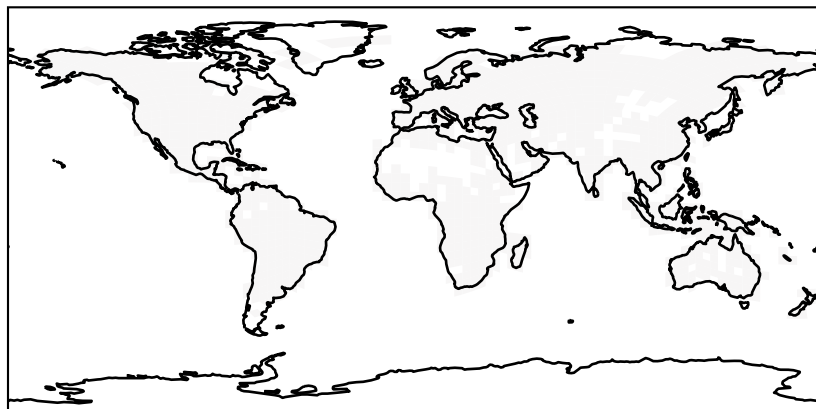
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range

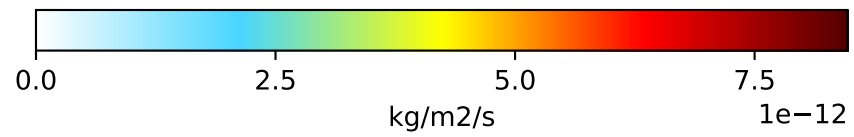
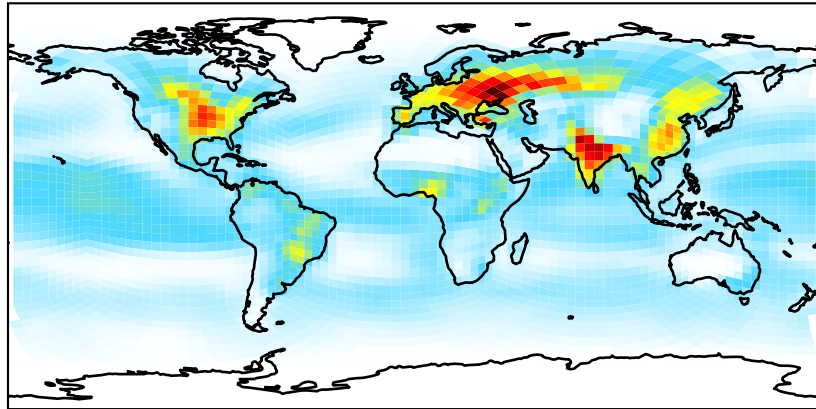


Ratio  
Dev/Ref, Fixed Range

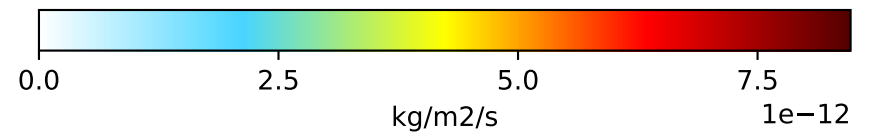
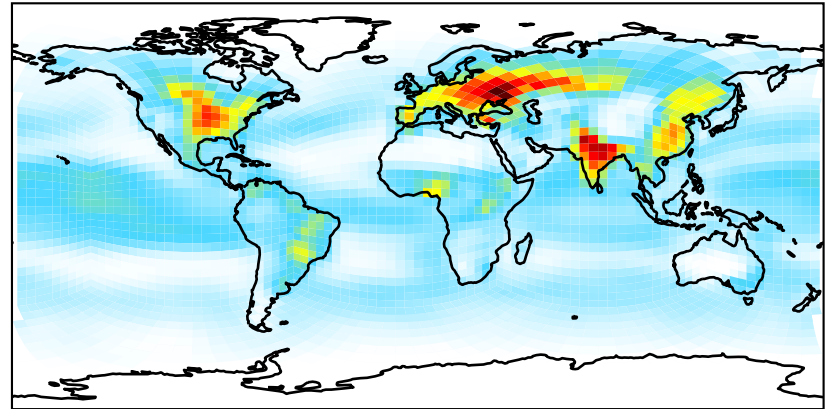


# EmisNH3\_Natural

GCHP\_14.2.0\_MERRA2 (Ref)  
c24



GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



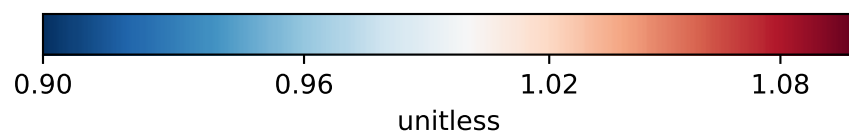
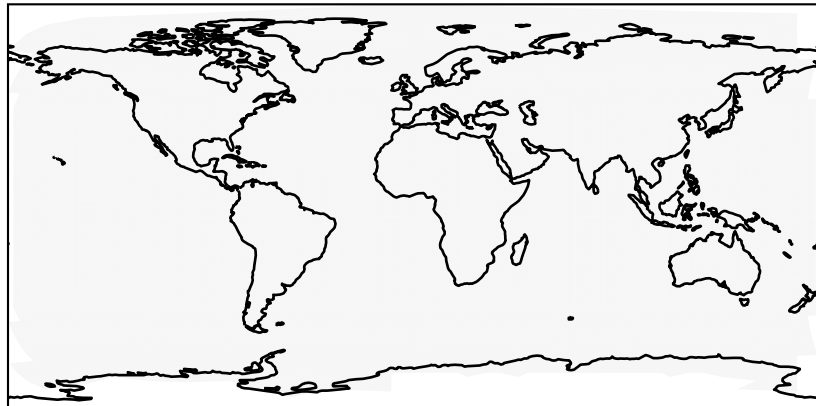
Difference  
Dev - Ref, Dynamic Range



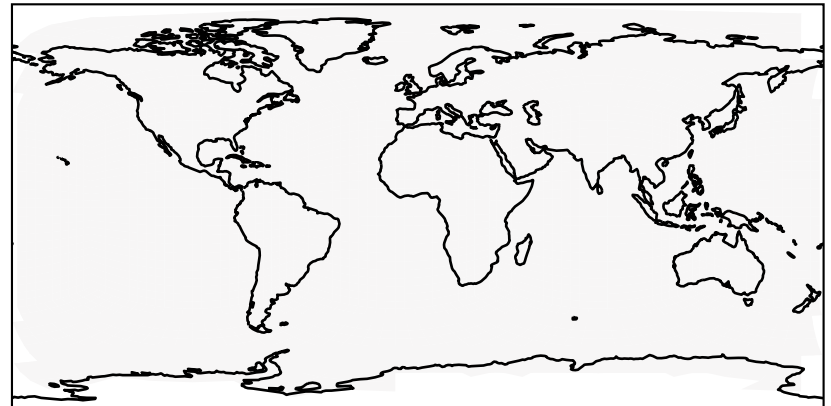
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

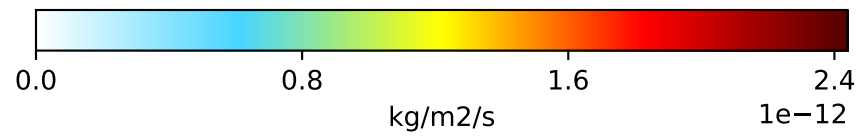
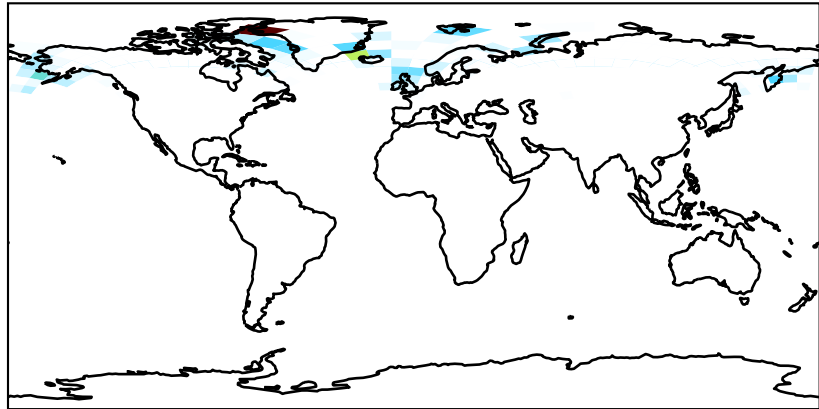


Ratio  
Dev/Ref, Fixed Range

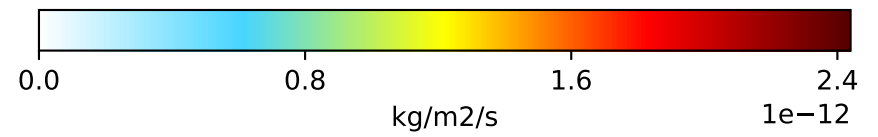
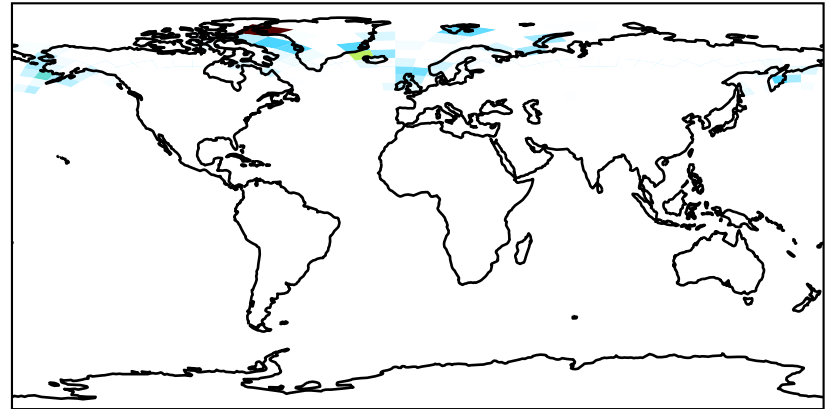


# EmisNH3\_Seabirds

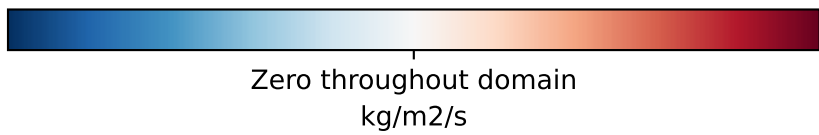
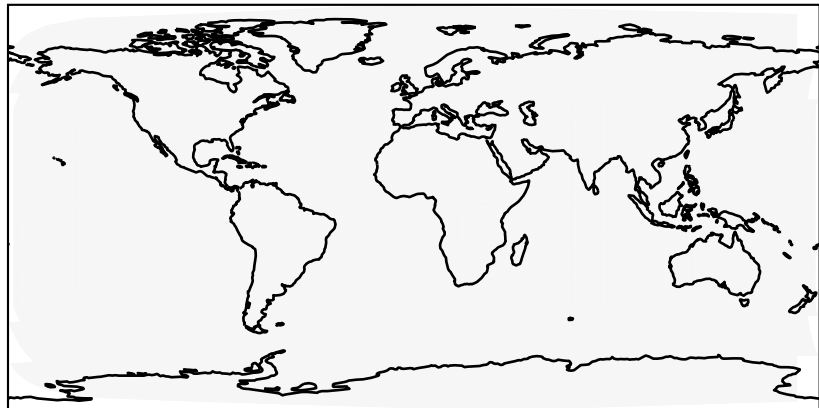
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



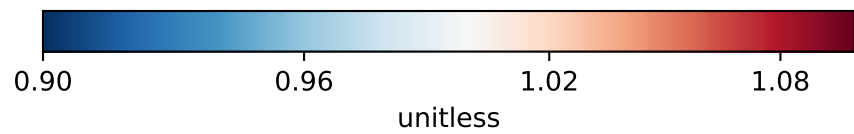
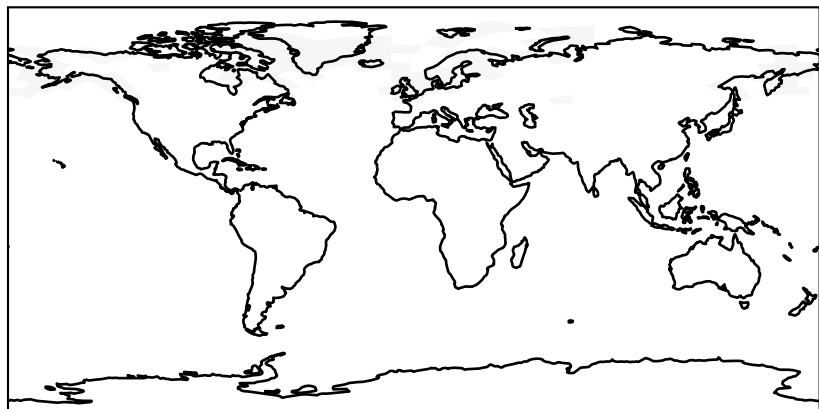
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range

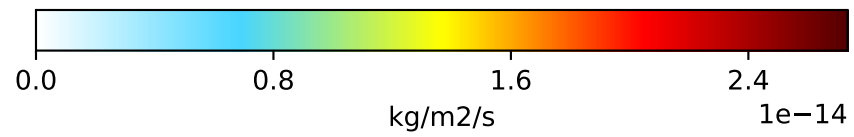
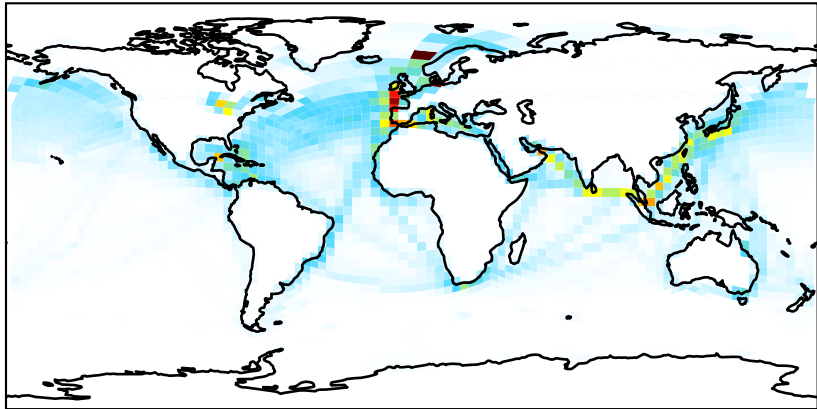


Ratio  
Dev/Ref, Fixed Range

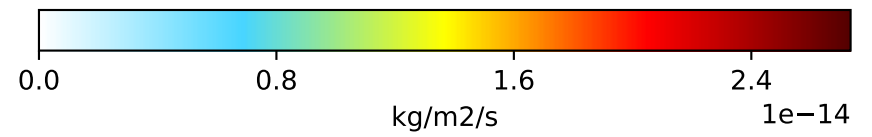
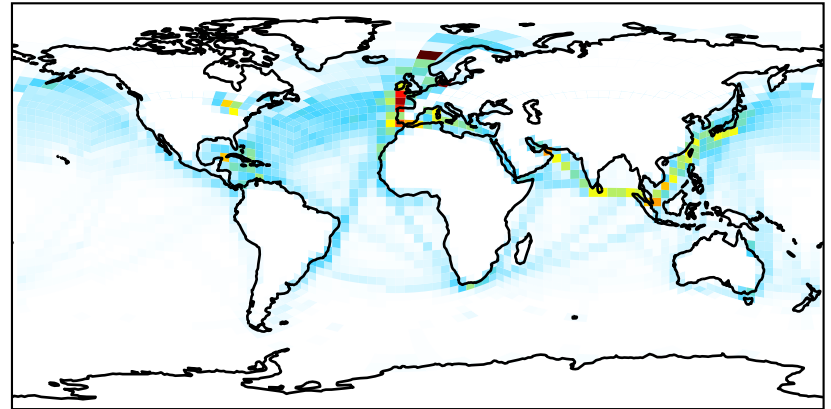


# EmisNH3\_Ship

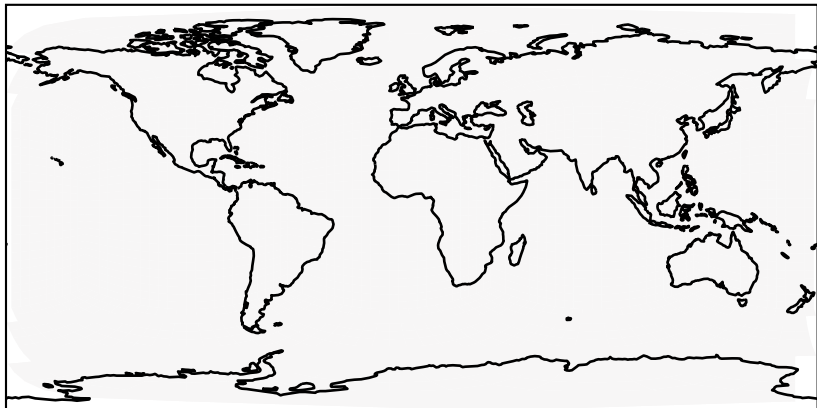
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



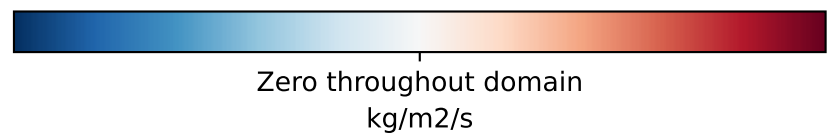
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



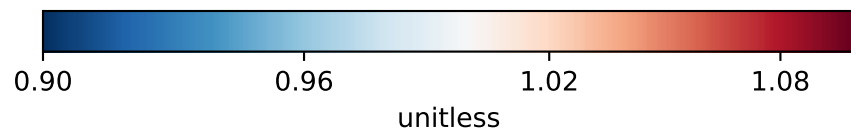
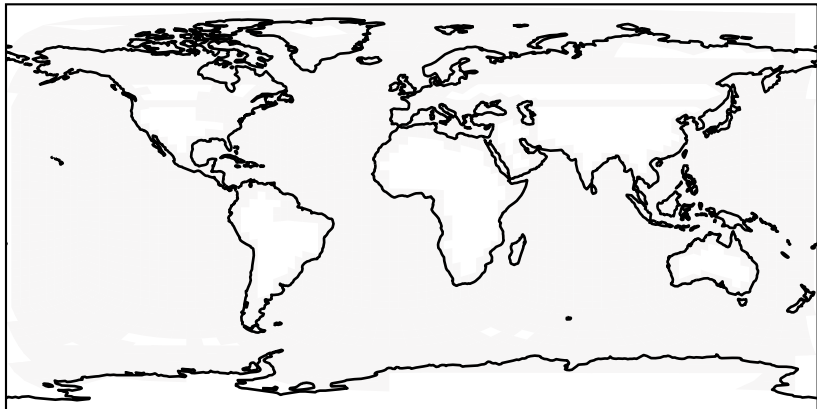
Difference  
Dev - Ref, Dynamic Range



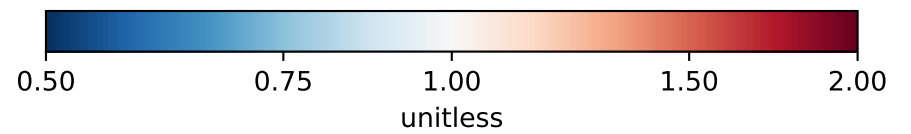
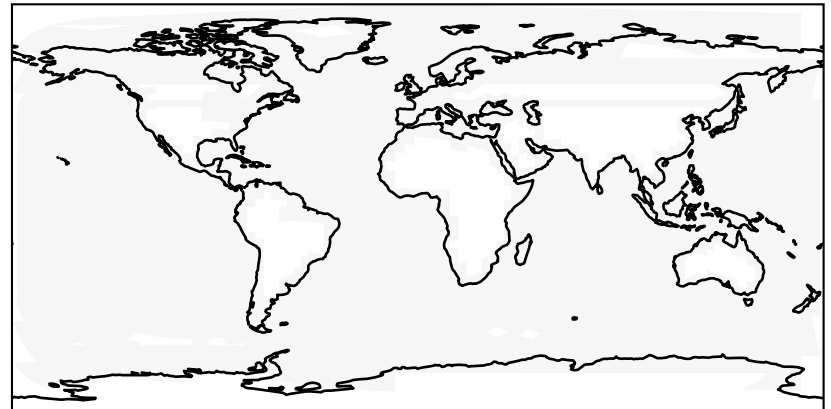
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



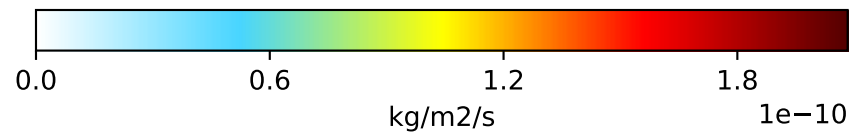
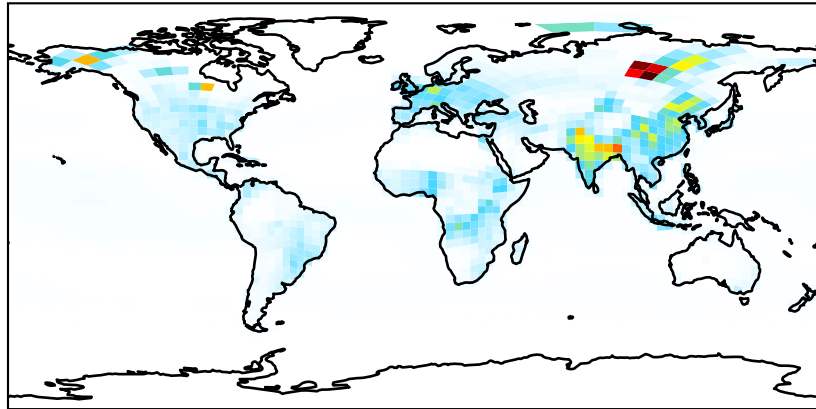
Ratio  
Dev/Ref, Fixed Range



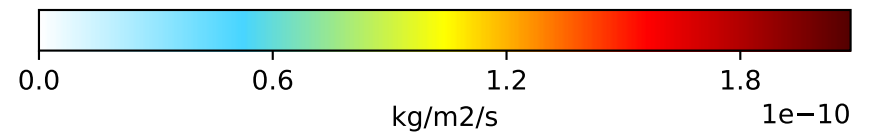
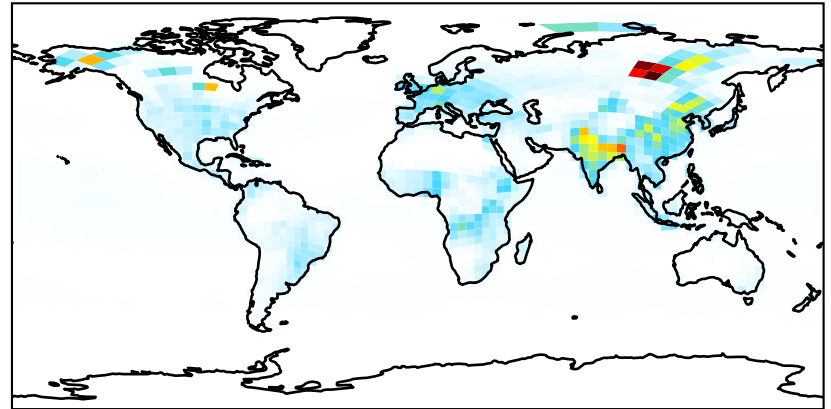


# EmisNH3\_Total

GCHP\_14.2.0\_MERRA2 (Ref)  
c24



GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



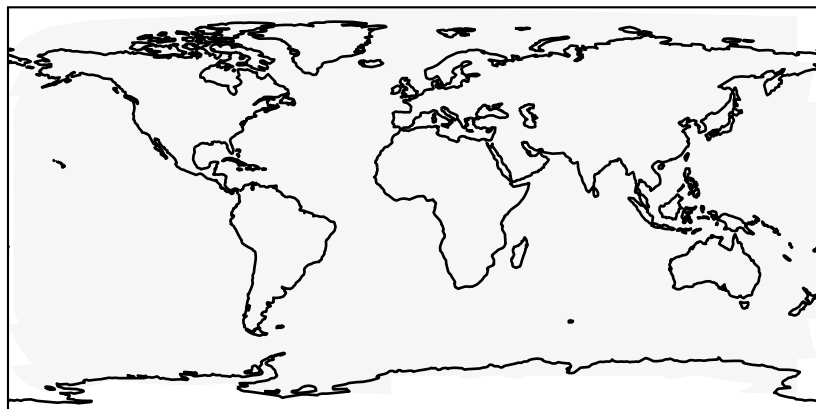
Difference  
Dev - Ref, Dynamic Range



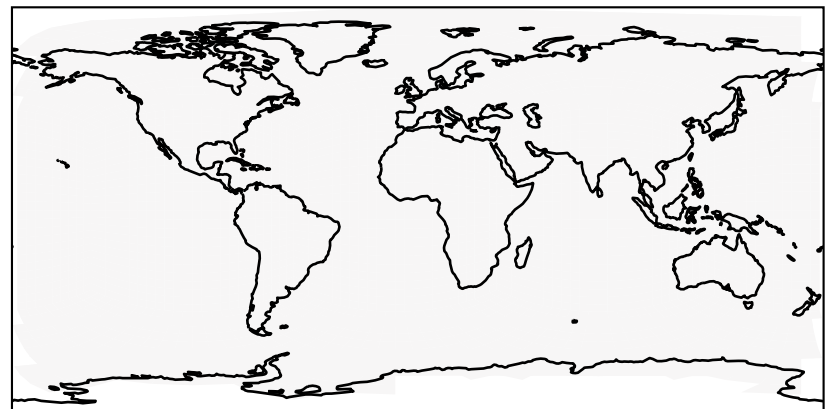
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

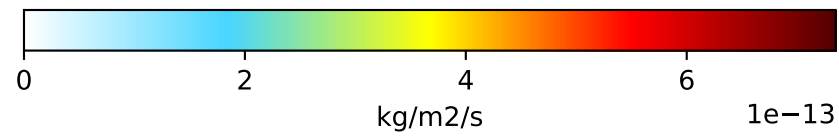
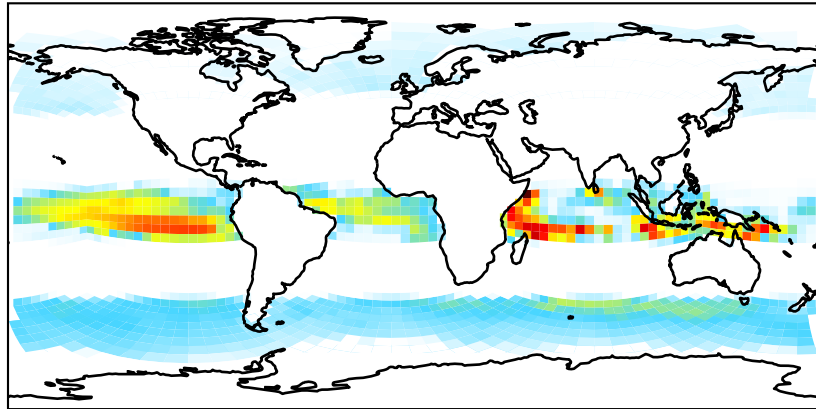


Ratio  
Dev/Ref, Fixed Range

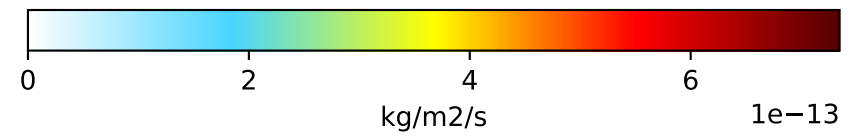
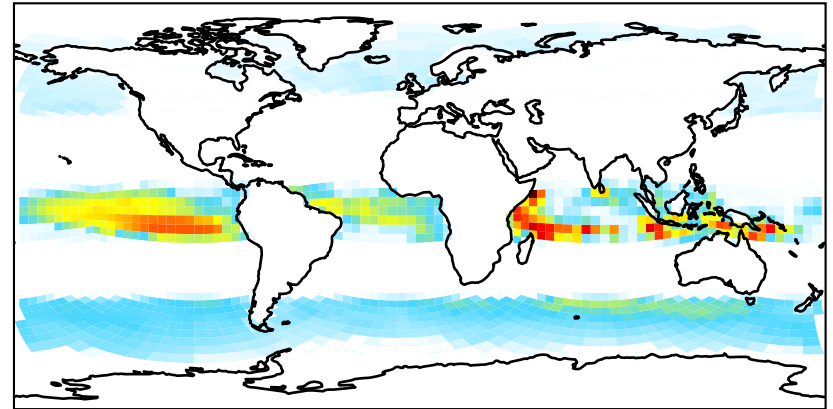


# EmisMENO3\_Ocean

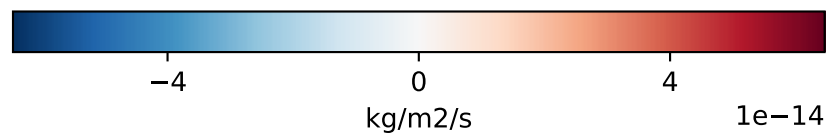
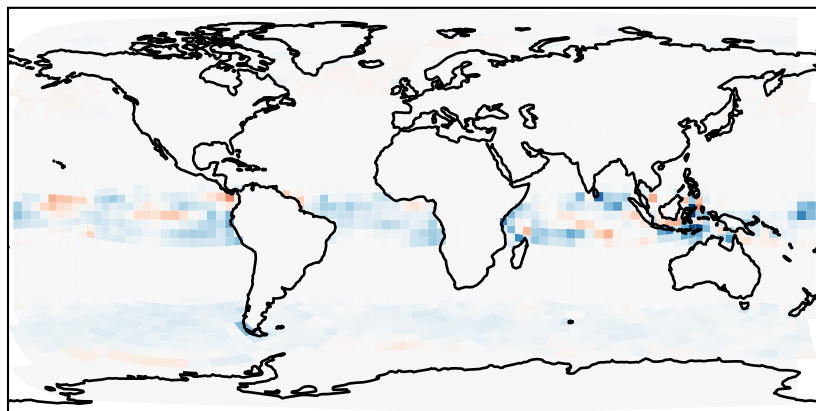
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



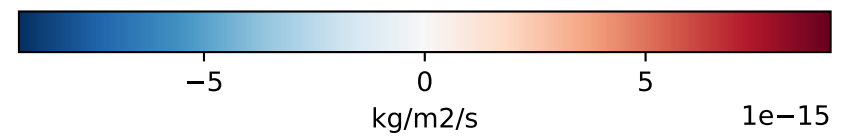
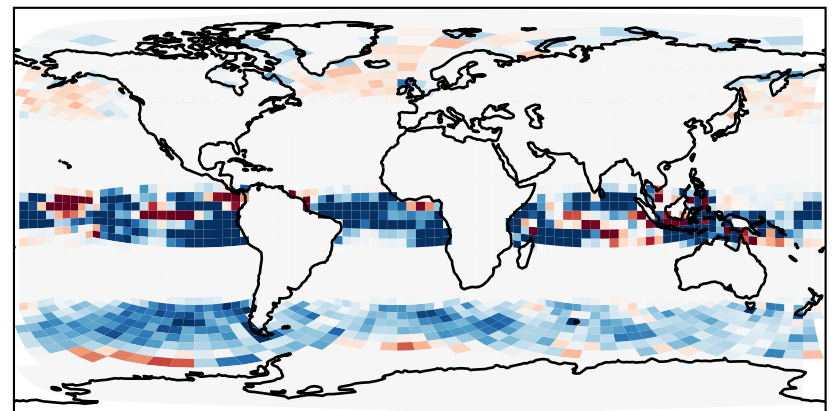
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



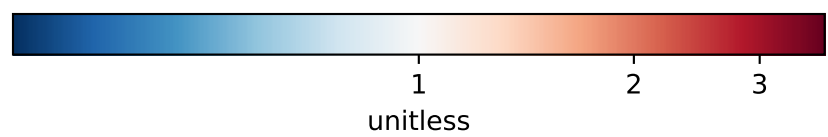
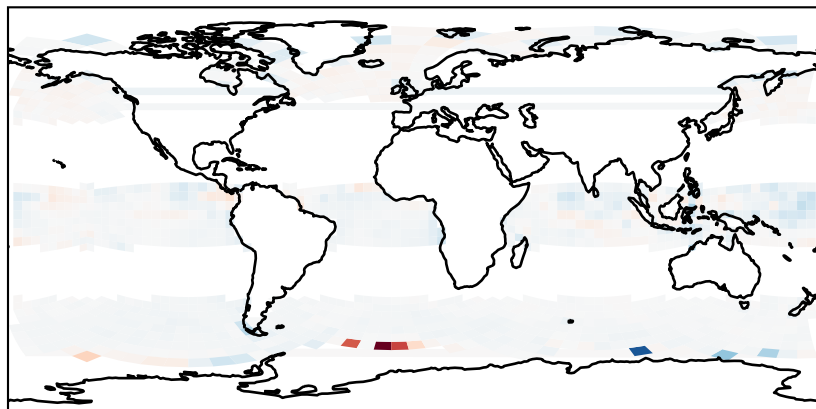
Difference  
Dev - Ref, Dynamic Range



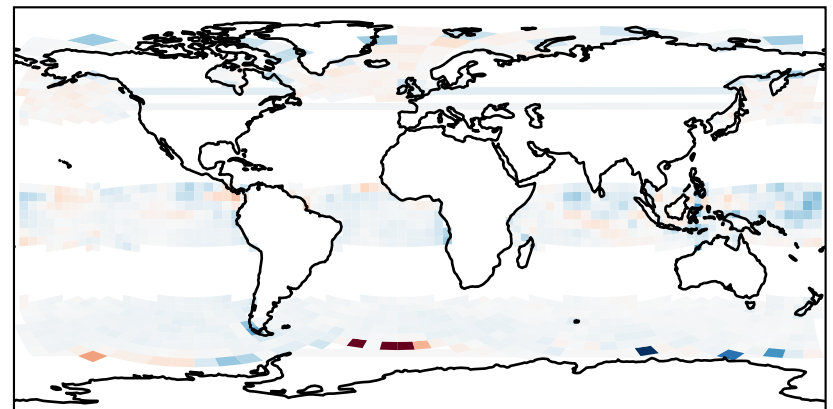
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

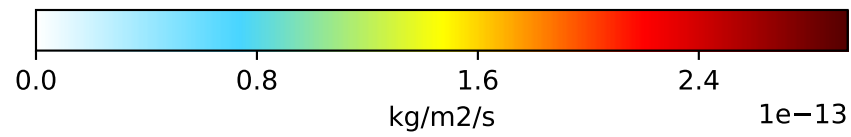
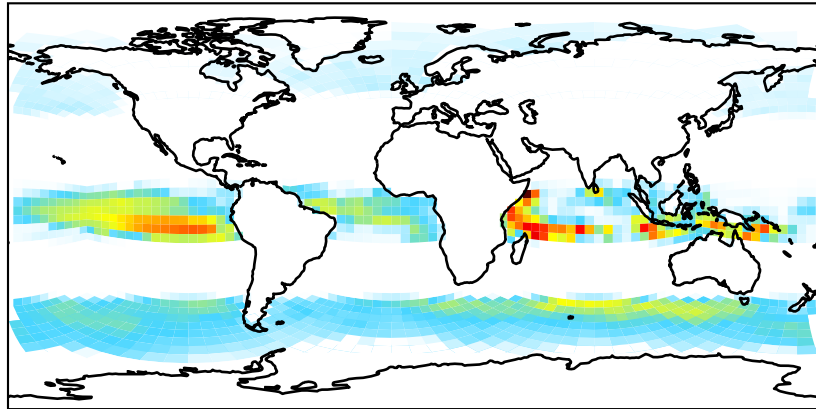


Ratio  
Dev/Ref, Fixed Range

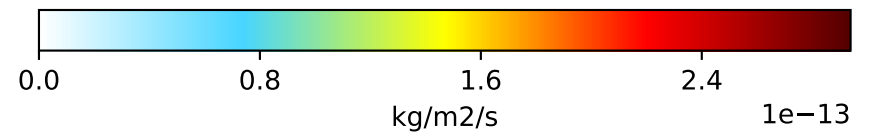
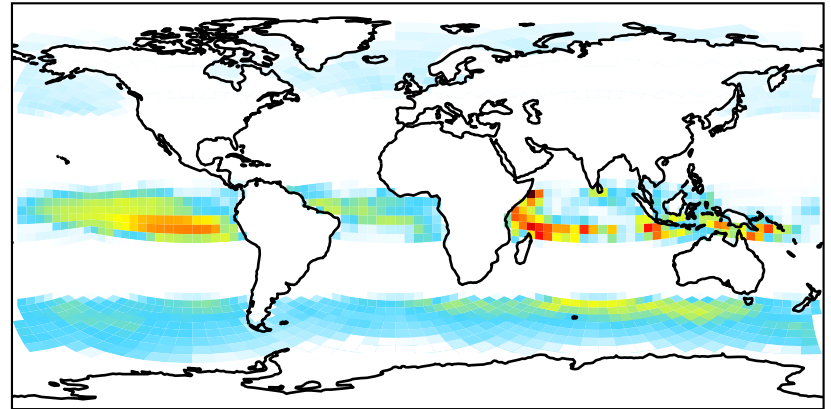


# EmisETNO3\_Ocean

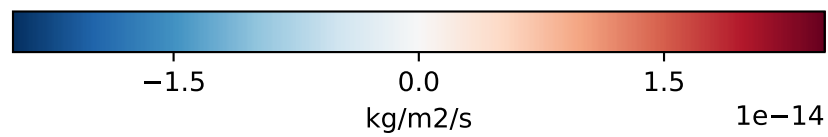
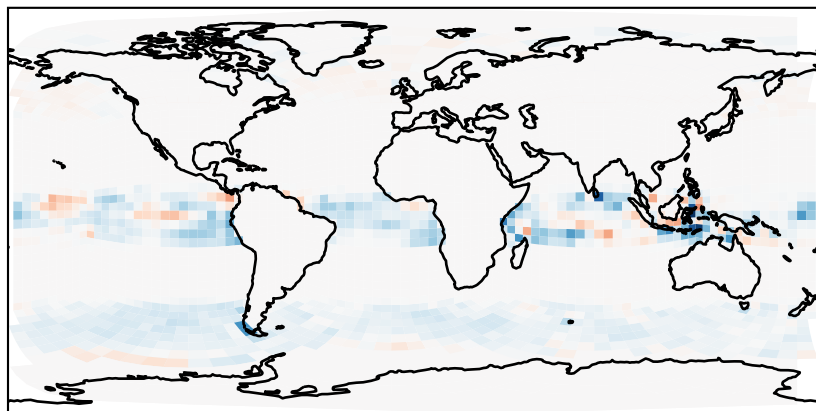
GCHP\_14.2.0\_MERRA2 (Ref)  
c24



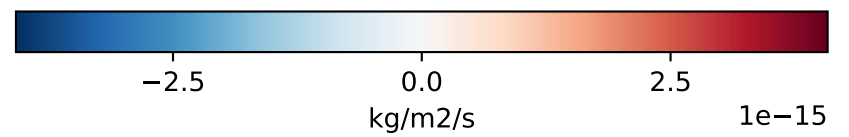
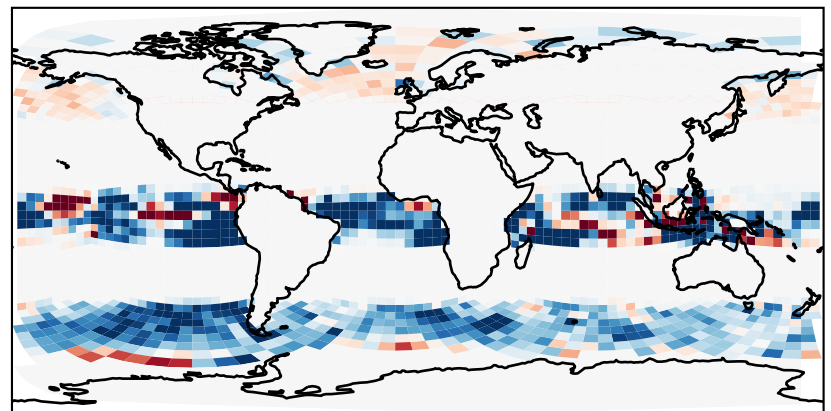
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



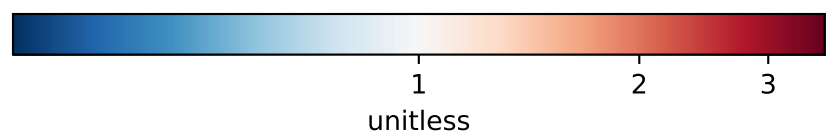
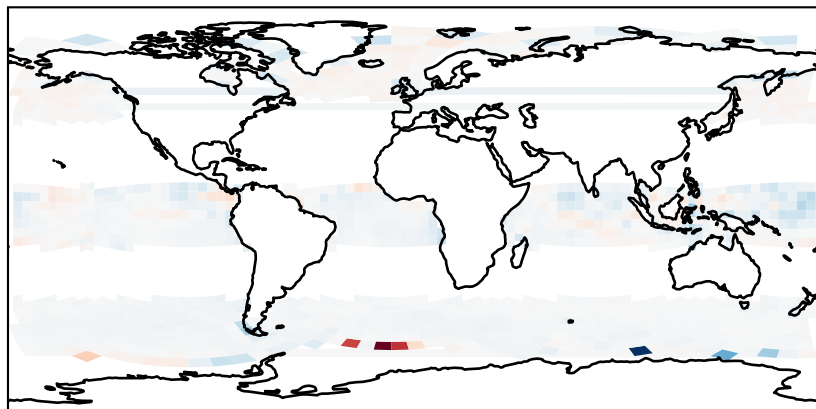
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

