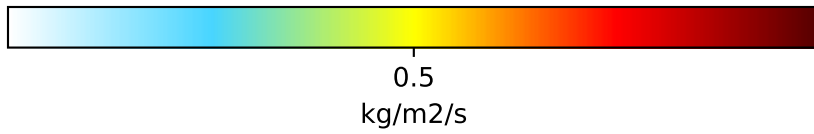
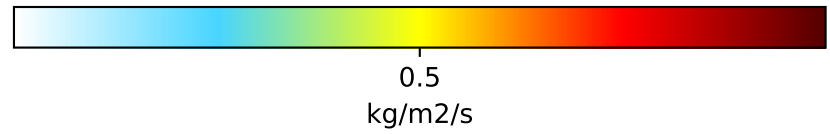


# EmisALD2\_Ship

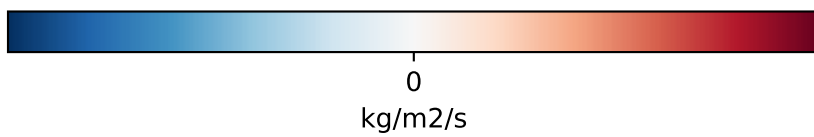
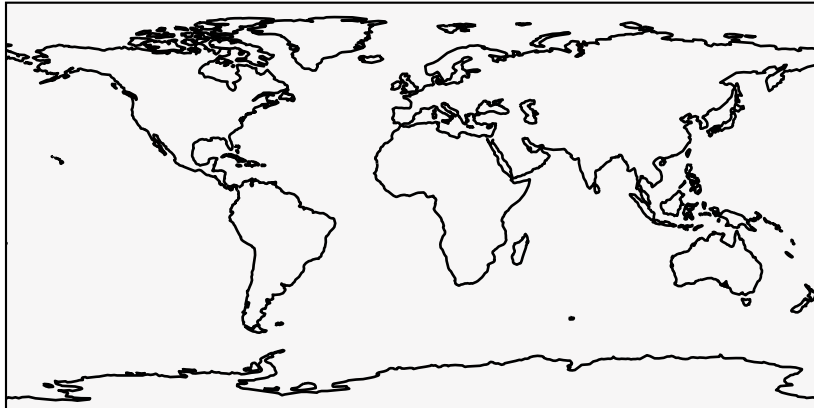
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



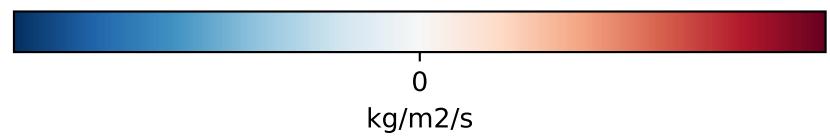
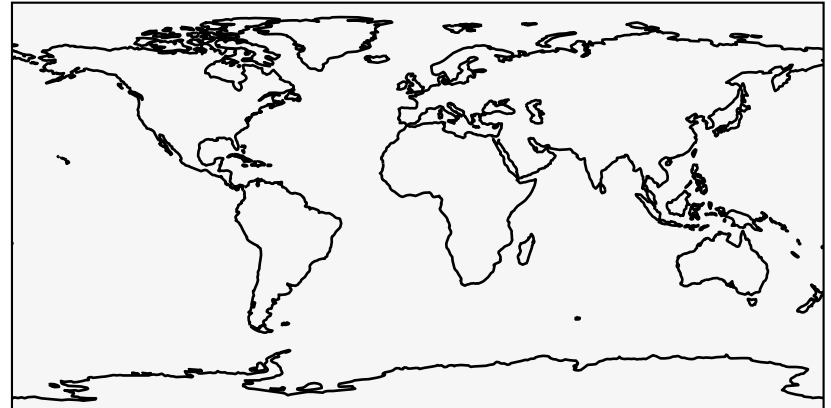
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



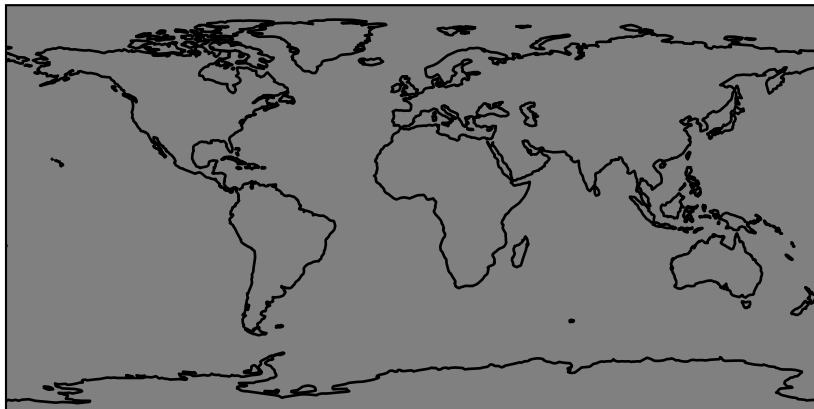
Difference (1x1.25)  
Dev - Ref, Dynamic Range



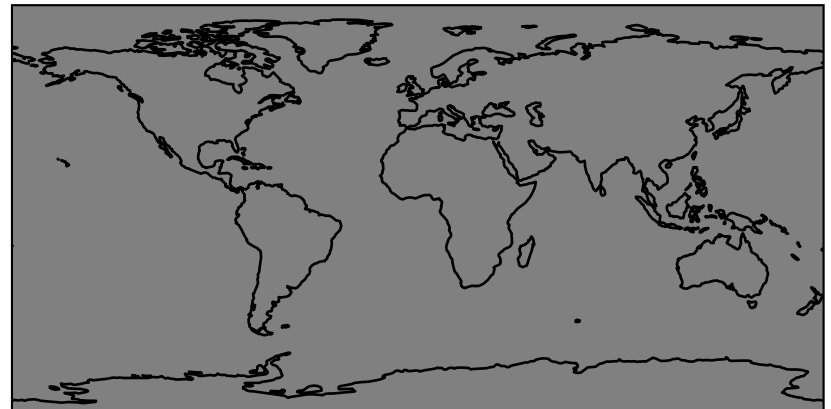
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

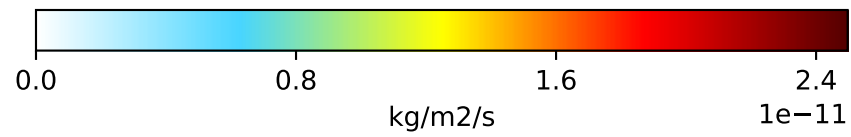


Ratio (1x1.25)  
Dev/Ref, Fixed Range

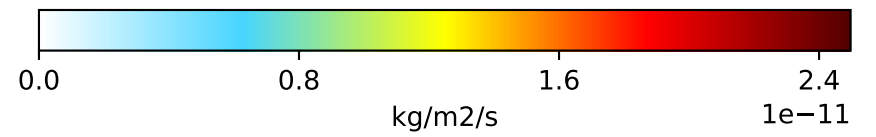
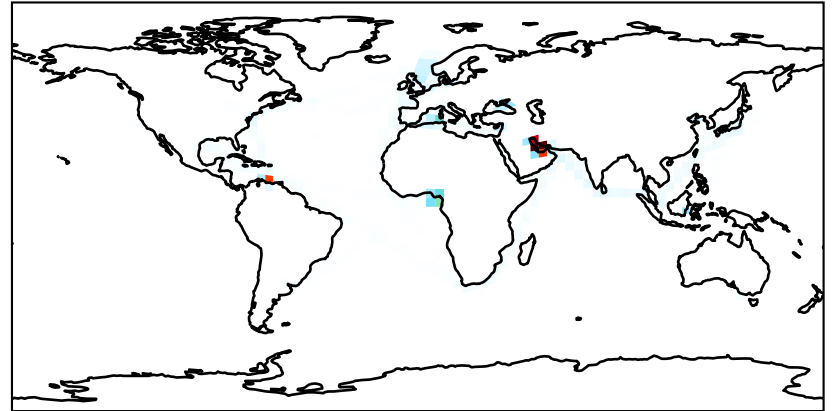


# EmisALK4\_Ship

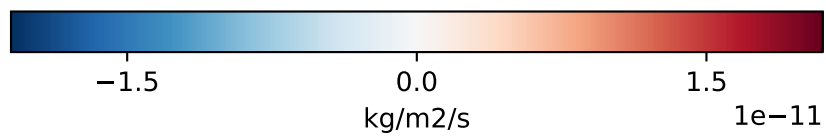
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



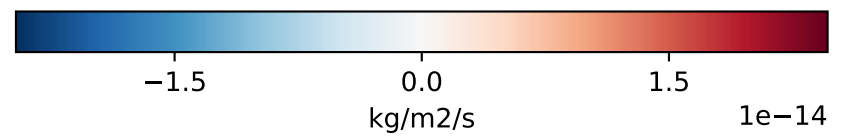
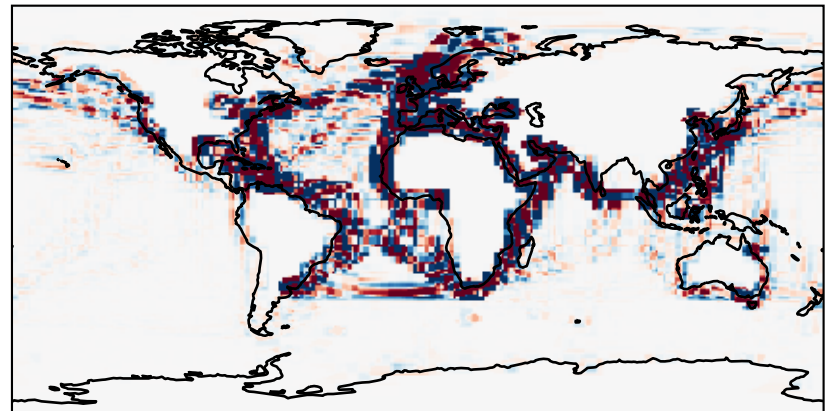
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



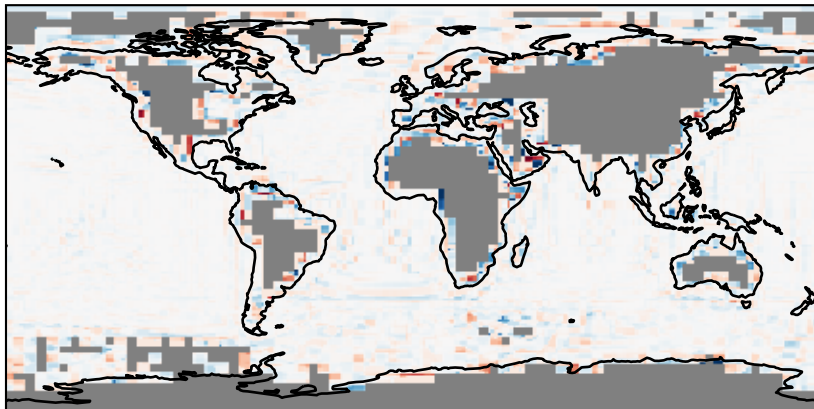
Difference (1x1.25)  
Dev - Ref, Dynamic Range



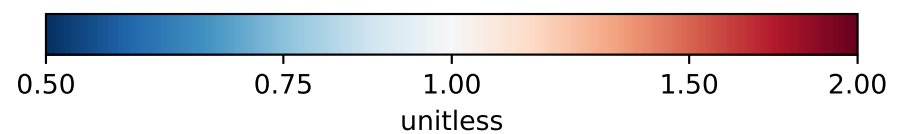
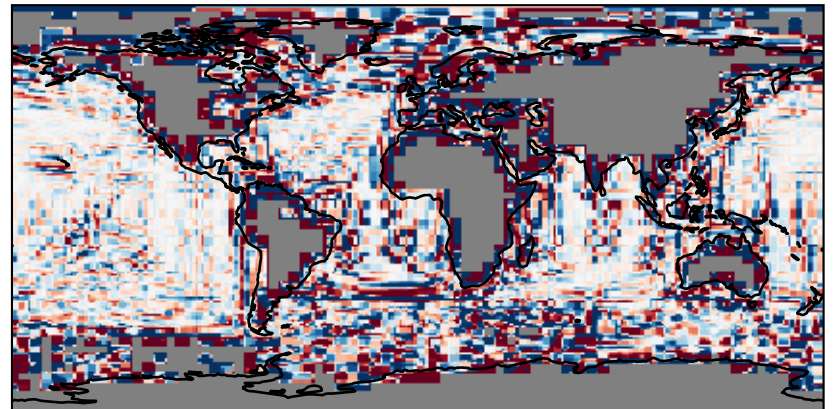
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

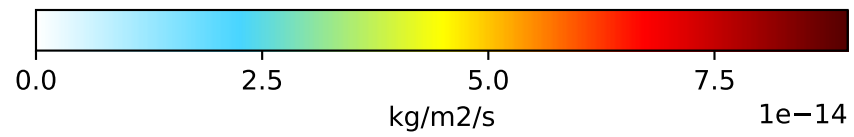
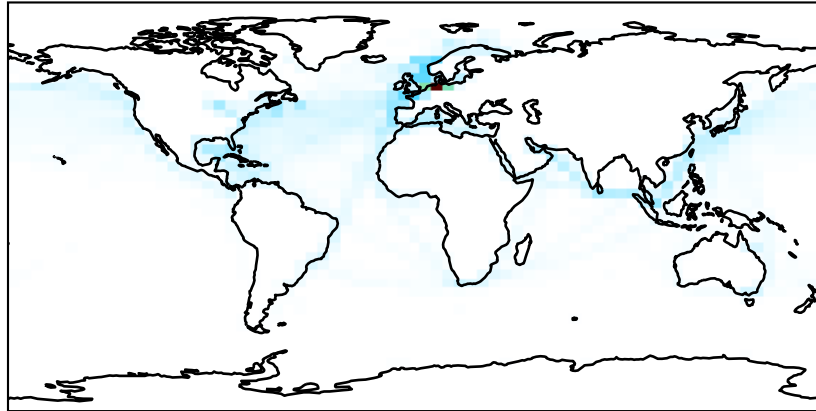


Ratio (1x1.25)  
Dev/Ref, Fixed Range

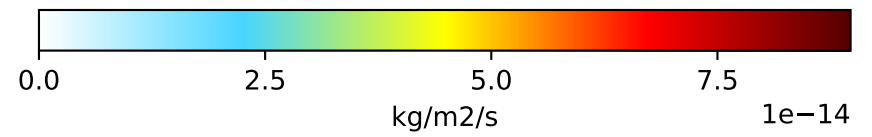
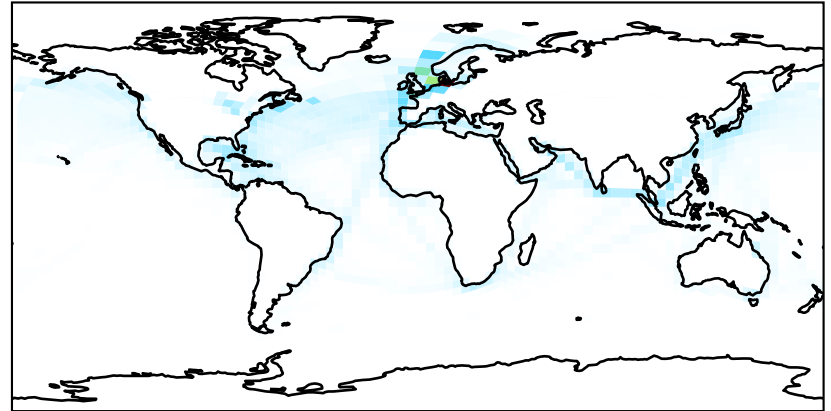


# EmisBCPI\_Ship

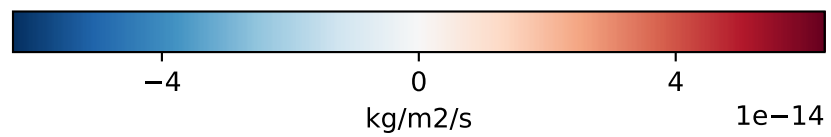
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



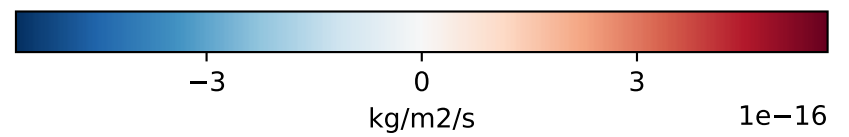
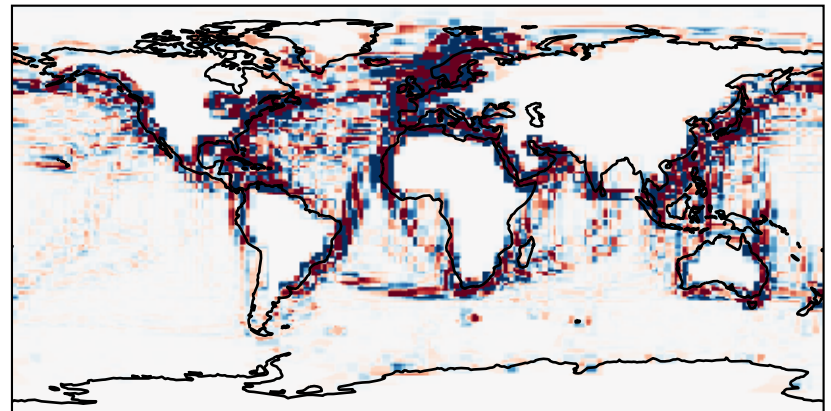
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



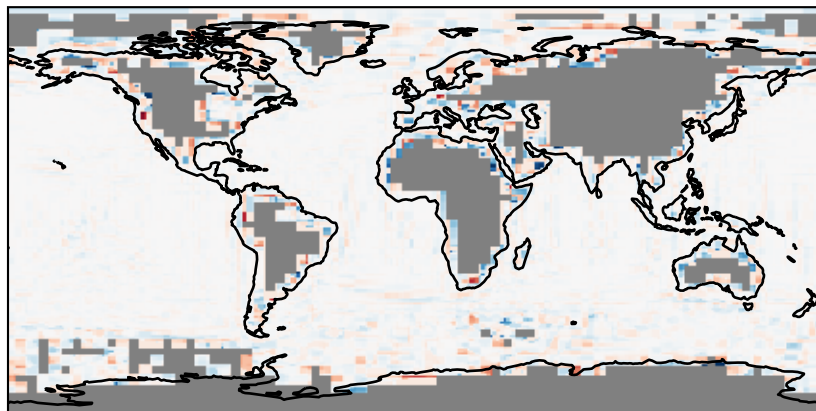
Difference (1x1.25)  
Dev - Ref, Dynamic Range



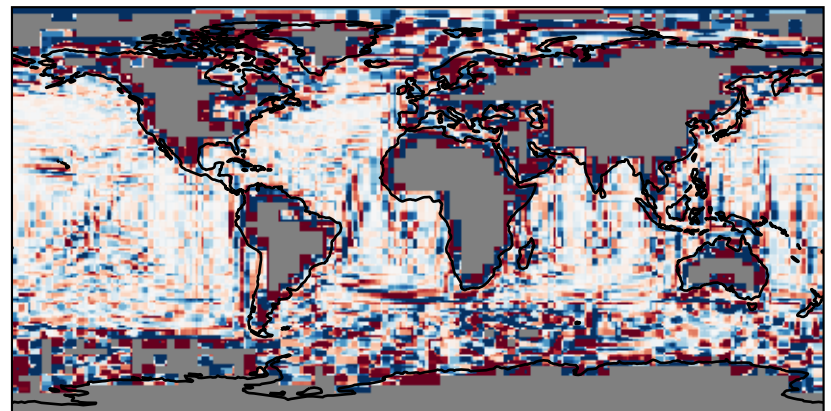
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



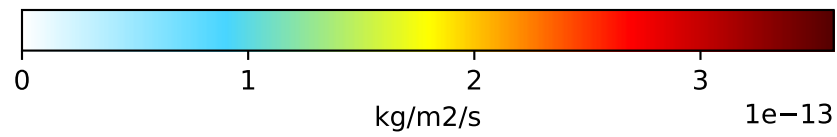
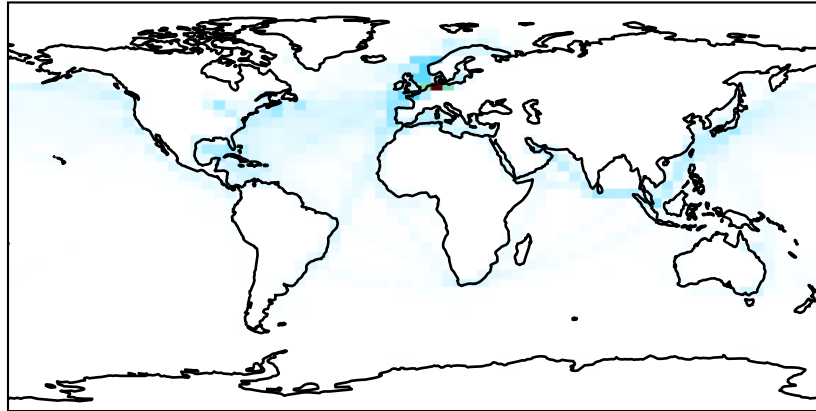
Ratio (1x1.25)  
Dev/Ref, Fixed Range



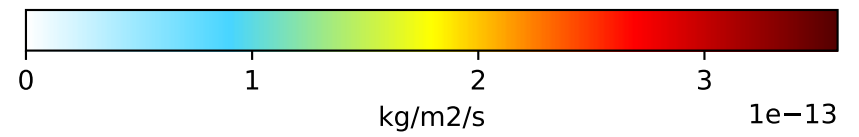
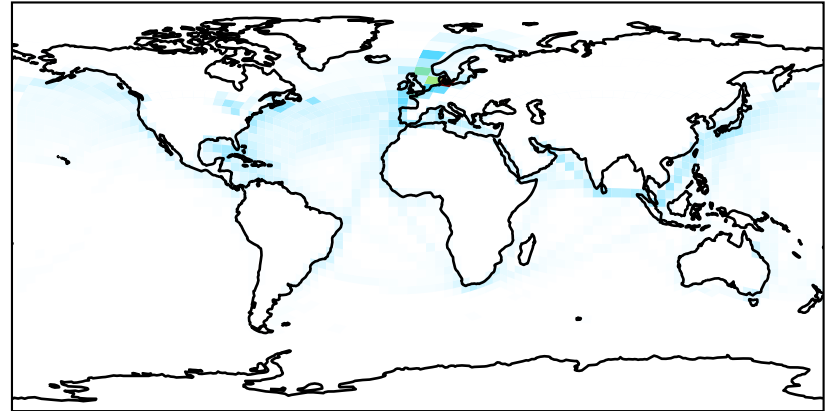


# EmisBCPO\_Ship

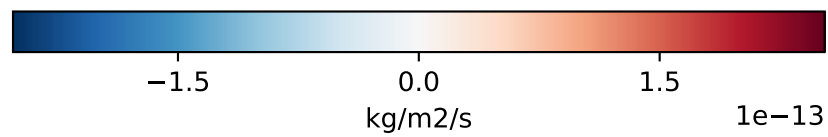
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



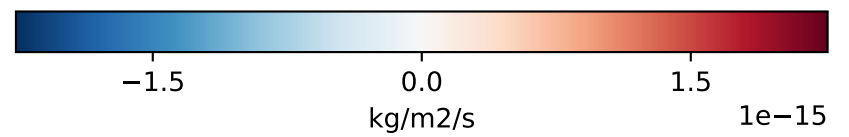
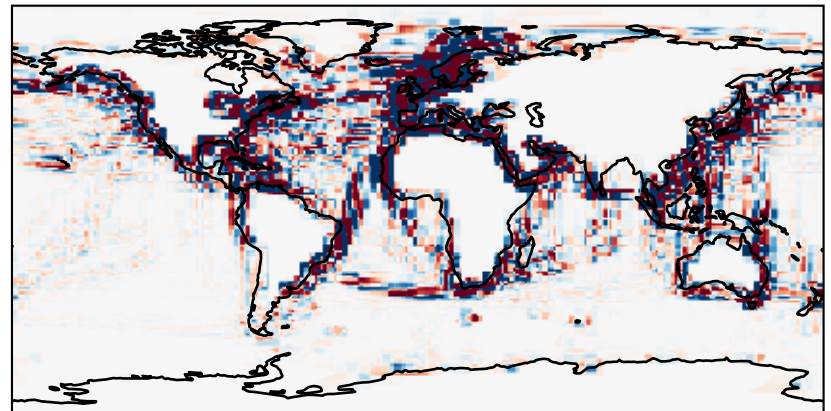
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



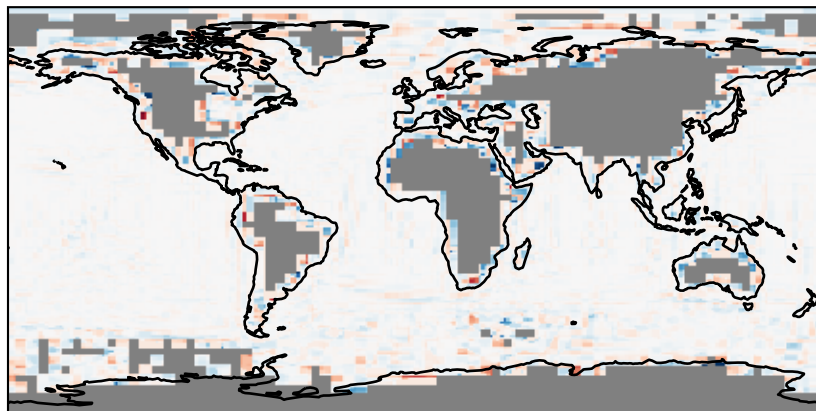
Difference (1x1.25)  
Dev - Ref, Dynamic Range



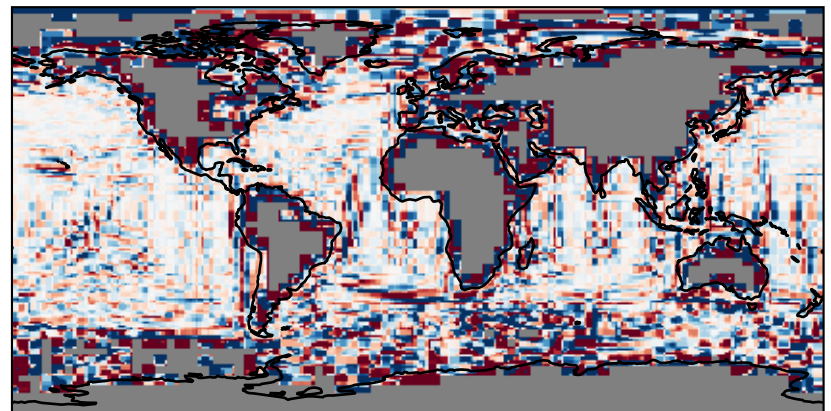
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



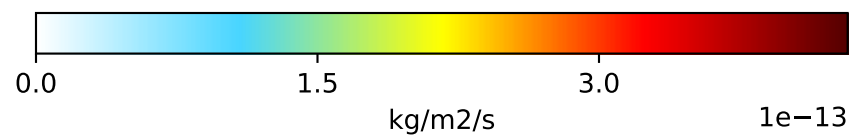
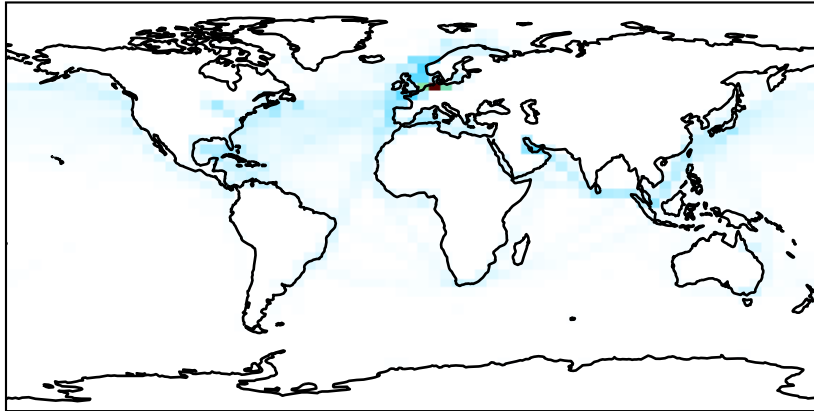
Ratio (1x1.25)  
Dev/Ref, Fixed Range



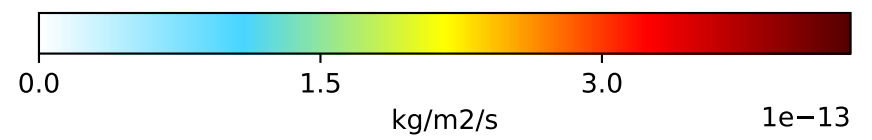
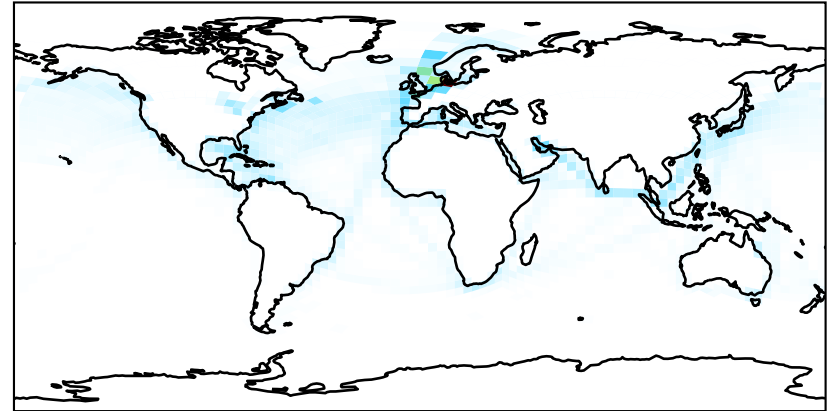


# EmisBENZ\_Ship

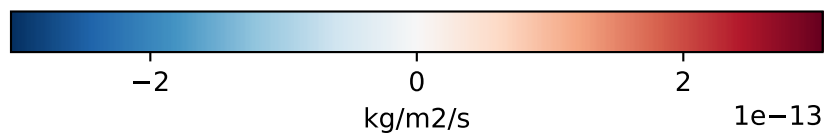
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



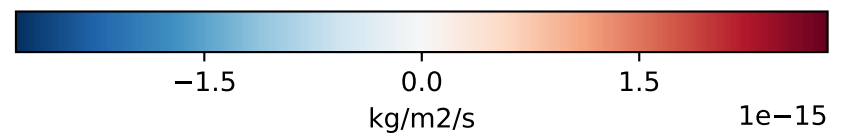
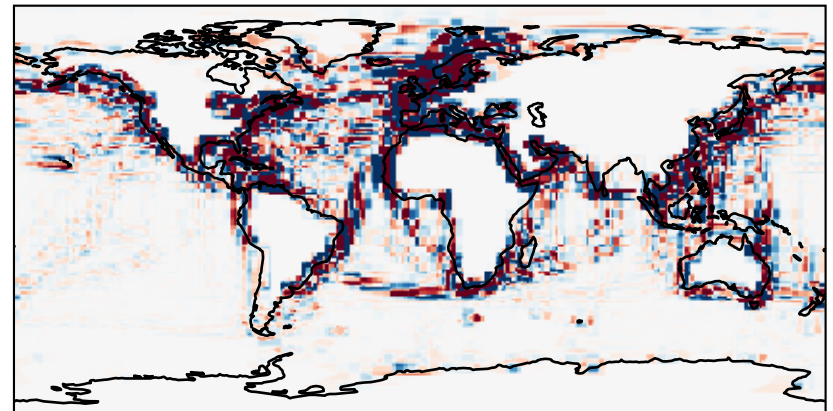
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



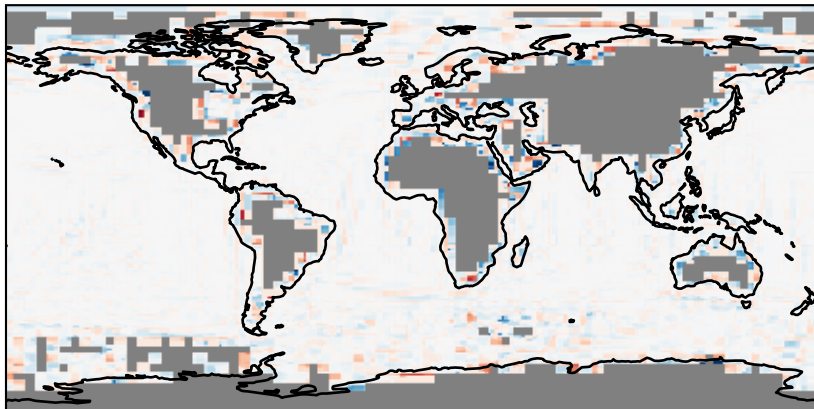
Difference (1x1.25)  
Dev - Ref, Dynamic Range



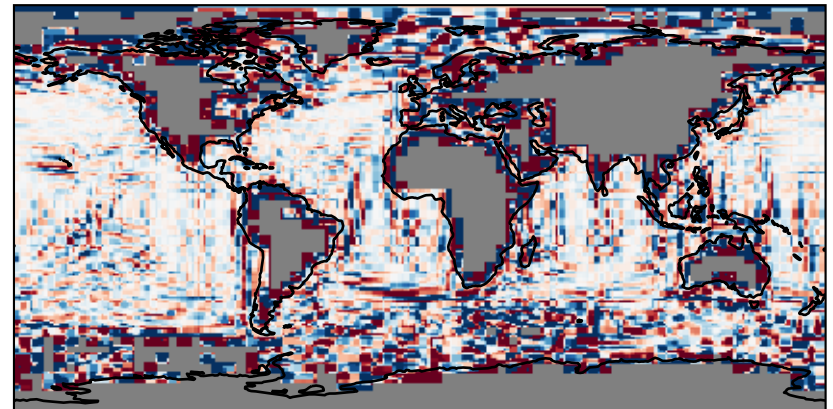
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

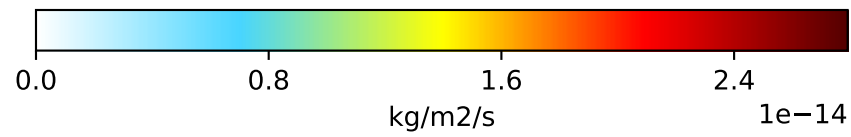
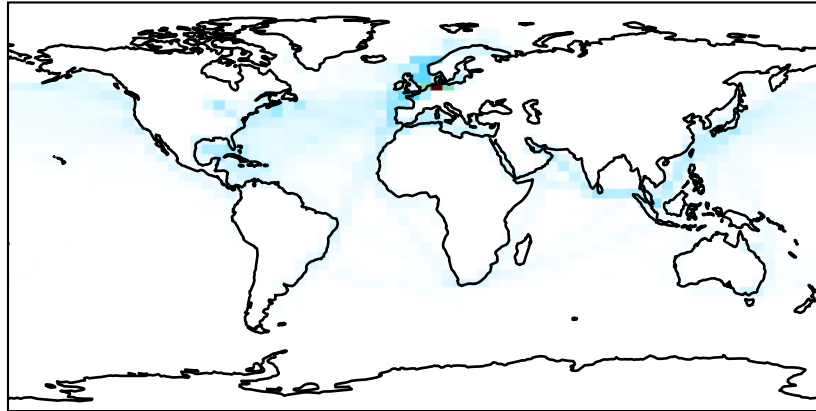


Ratio (1x1.25)  
Dev/Ref, Fixed Range

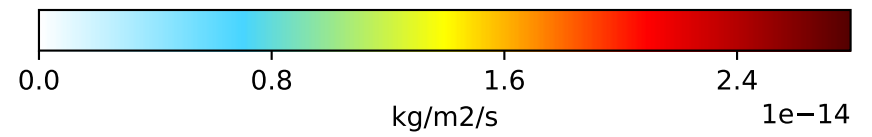
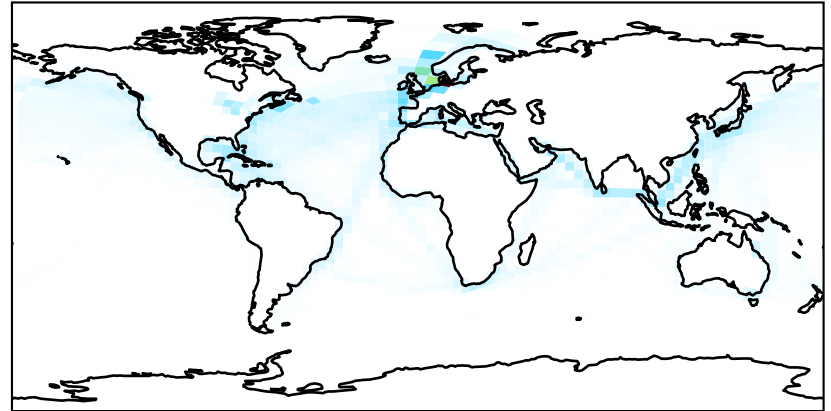


# EmisC2H2\_Ship

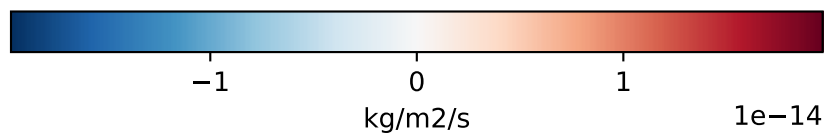
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



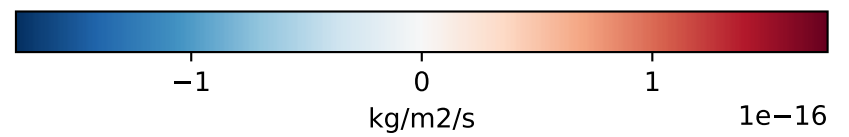
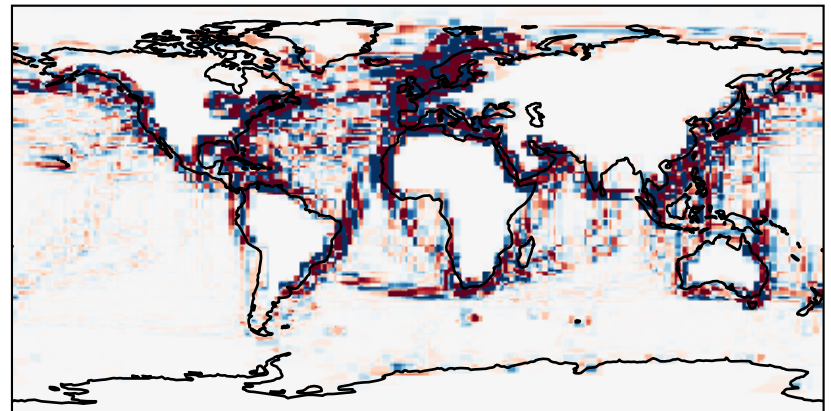
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



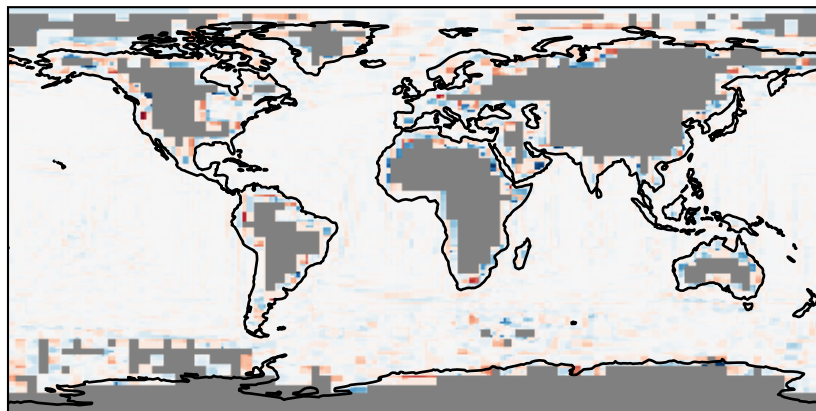
Difference (1x1.25)  
Dev - Ref, Dynamic Range



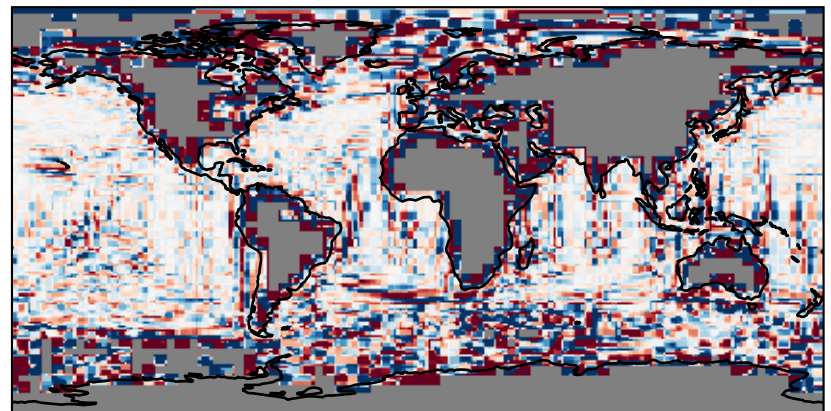
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



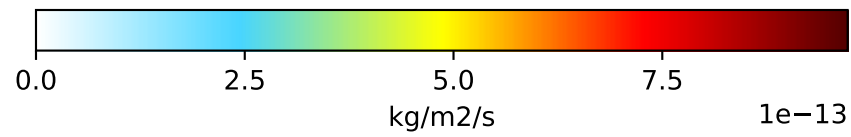
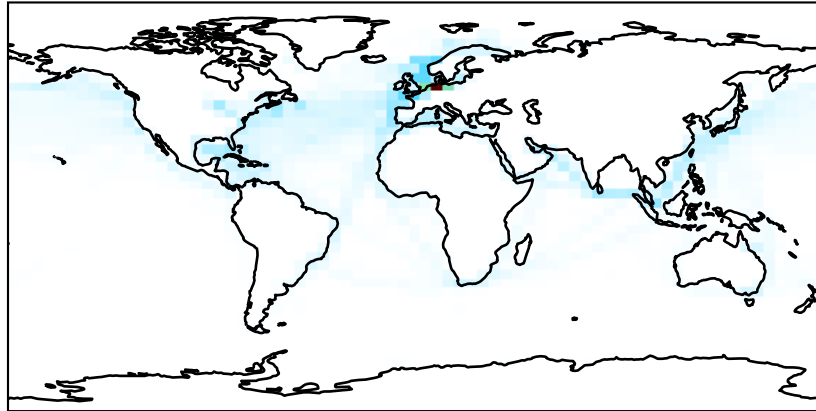
Ratio (1x1.25)  
Dev/Ref, Fixed Range



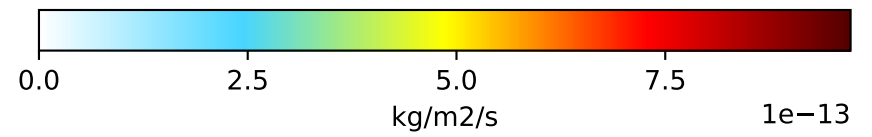
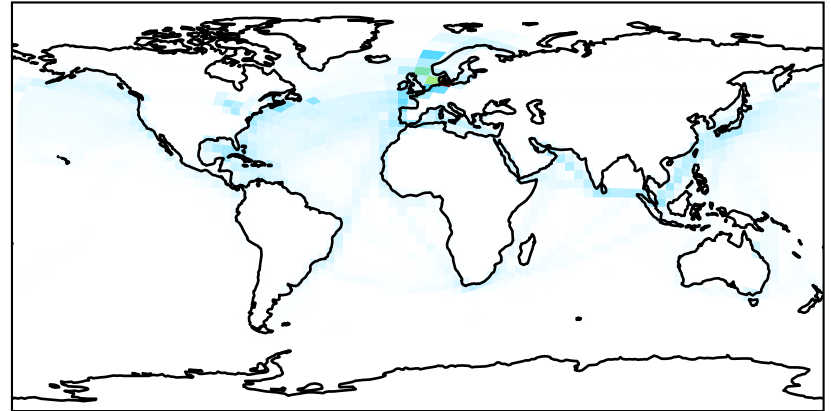


# EmisC2H4\_Ship

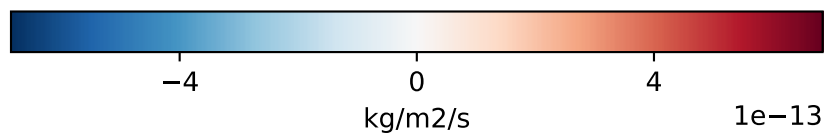
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



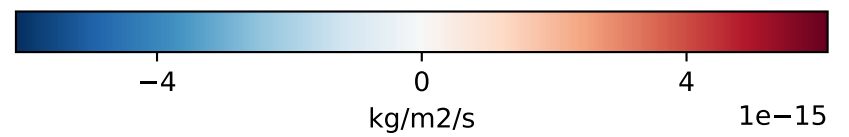
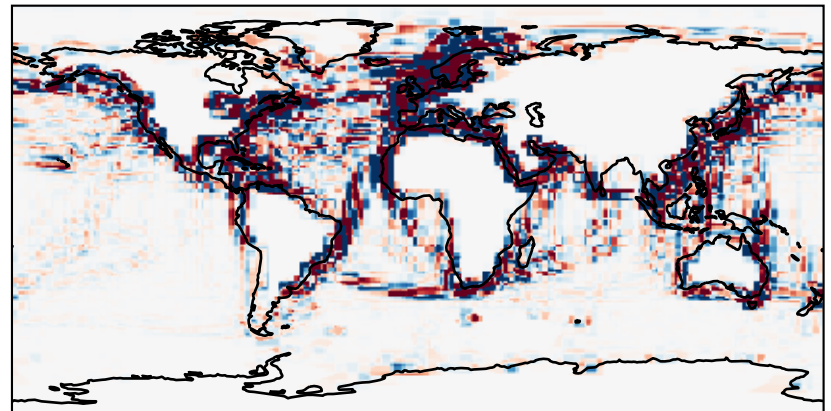
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



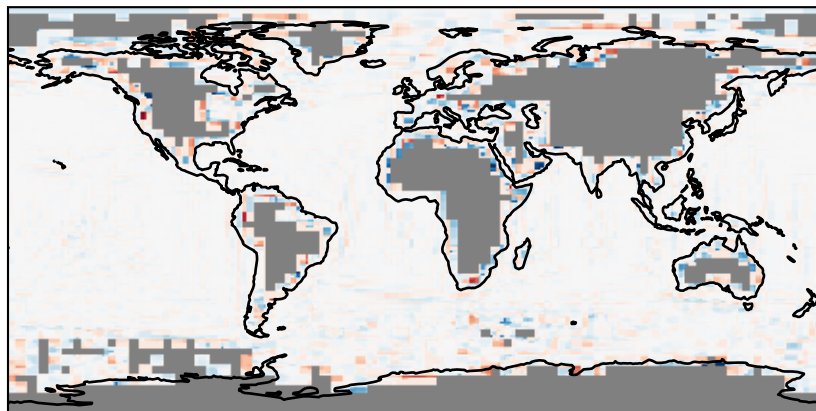
Difference (1x1.25)  
Dev - Ref, Dynamic Range



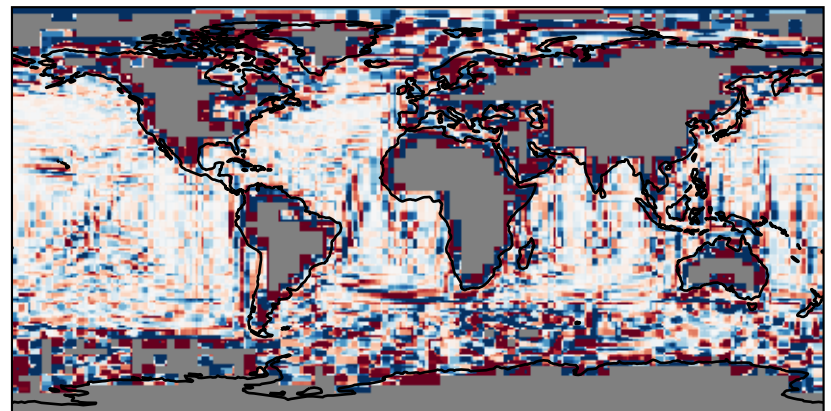
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



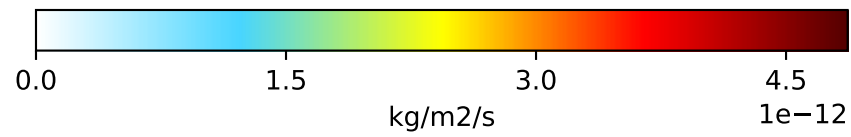
Ratio (1x1.25)  
Dev/Ref, Fixed Range



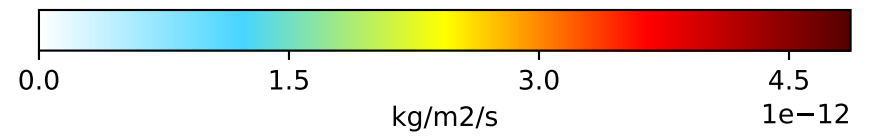
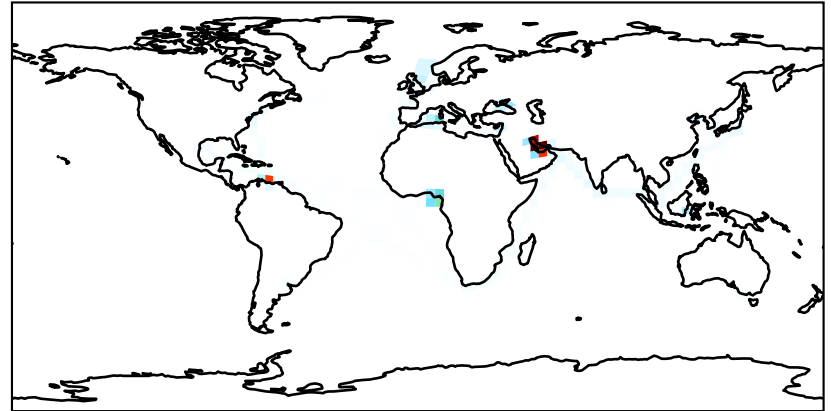


# EmisC2H6\_Ship

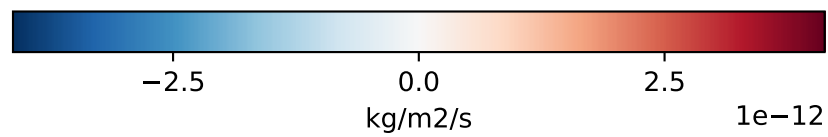
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



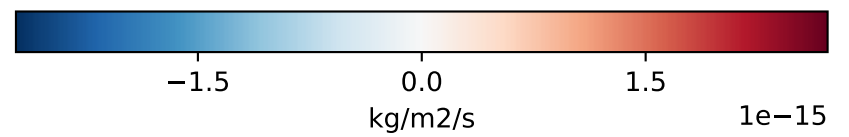
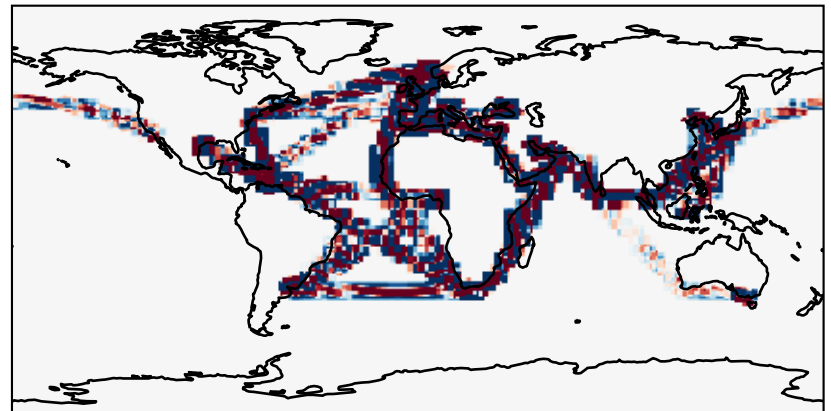
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



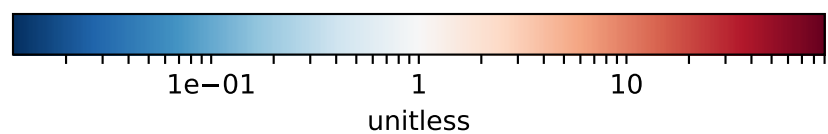
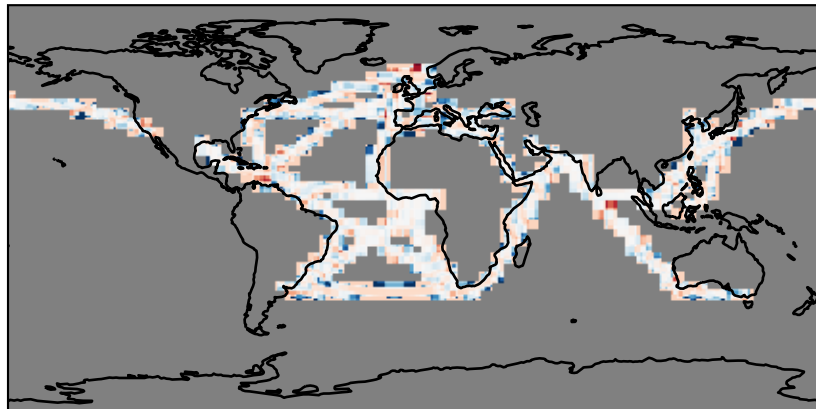
Difference (1x1.25)  
Dev - Ref, Dynamic Range



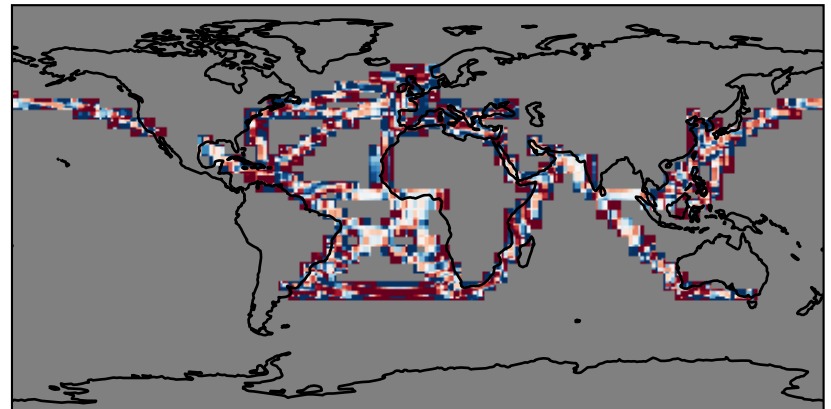
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

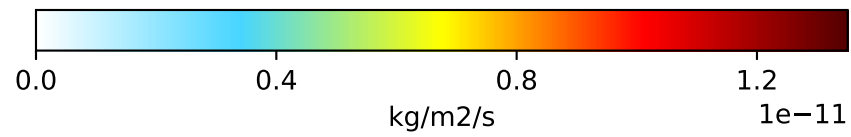


Ratio (1x1.25)  
Dev/Ref, Fixed Range

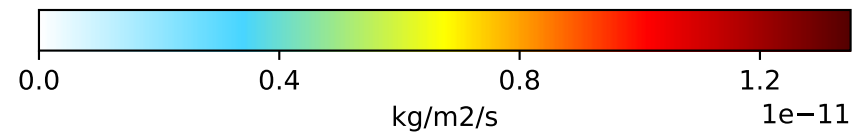
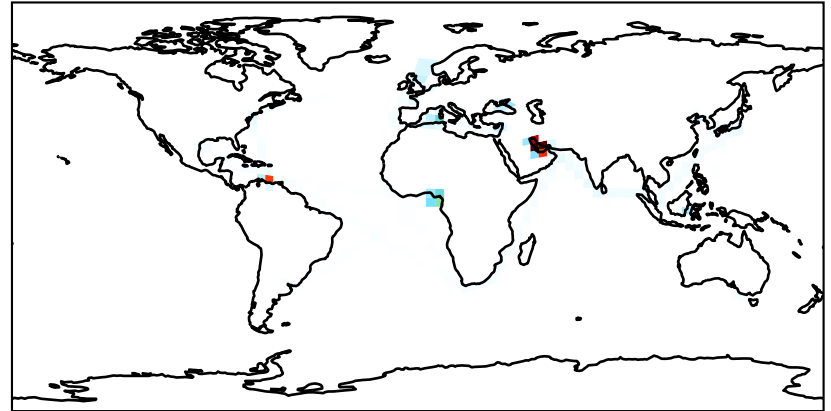


# EmisC3H8\_Ship

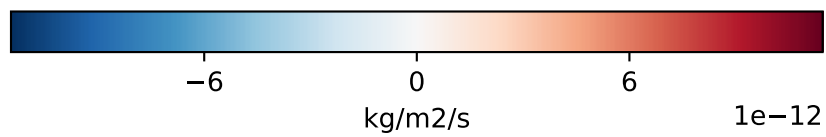
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



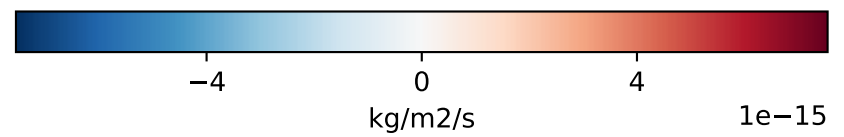
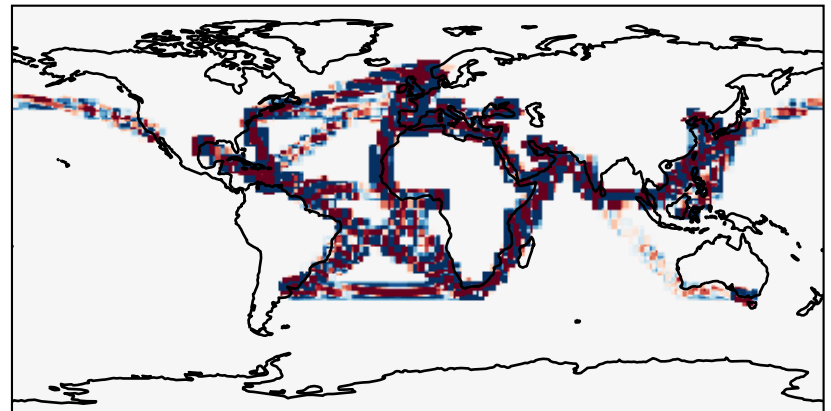
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



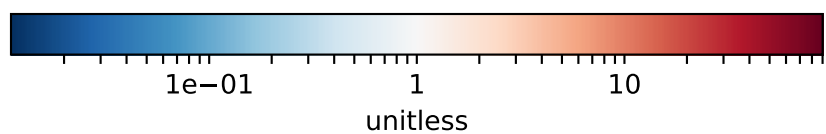
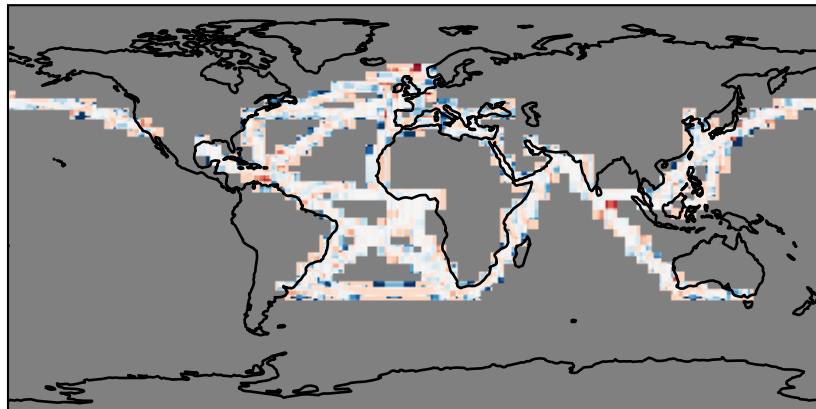
Difference (1x1.25)  
Dev - Ref, Dynamic Range



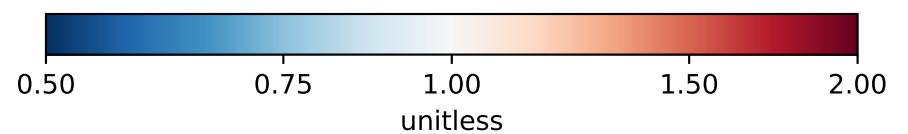
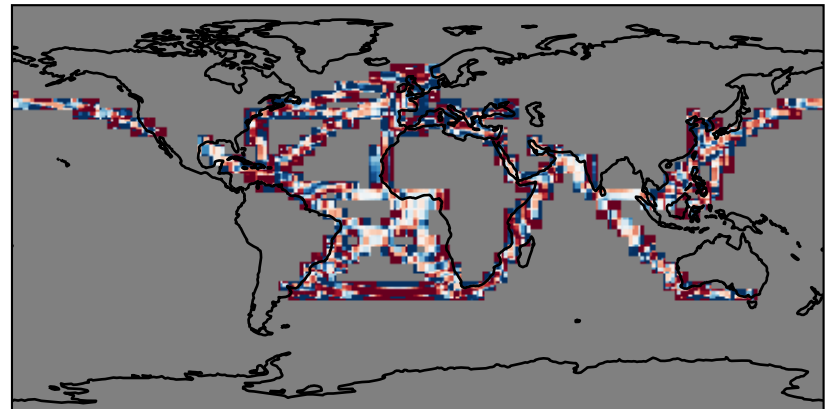
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

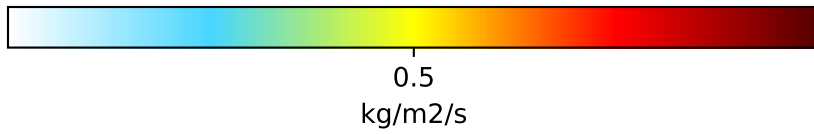


Ratio (1x1.25)  
Dev/Ref, Fixed Range



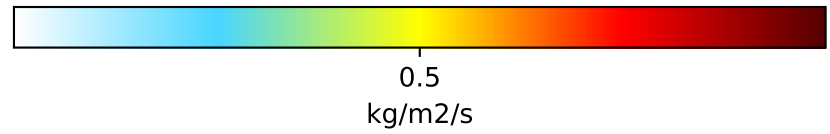
# EmisCH20\_Ship

GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



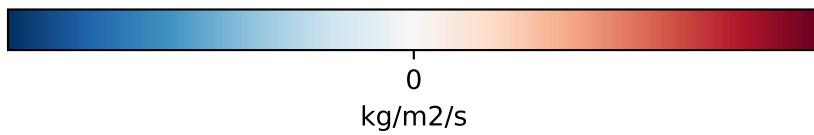
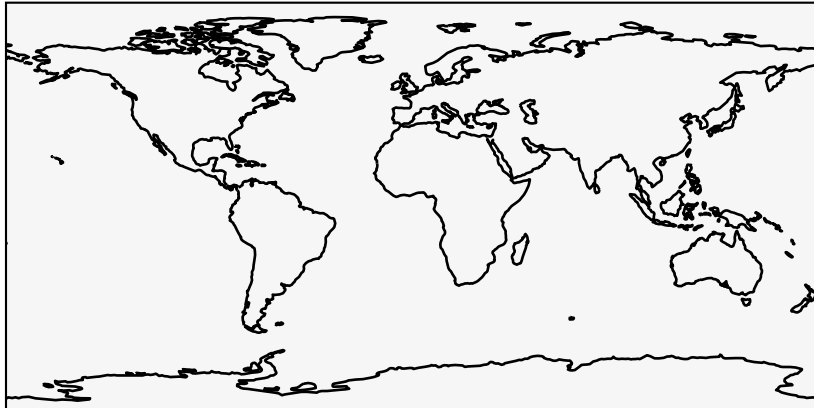
0.5  
kg/m2/s

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



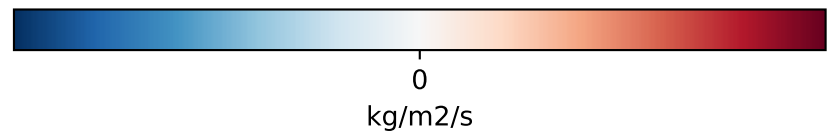
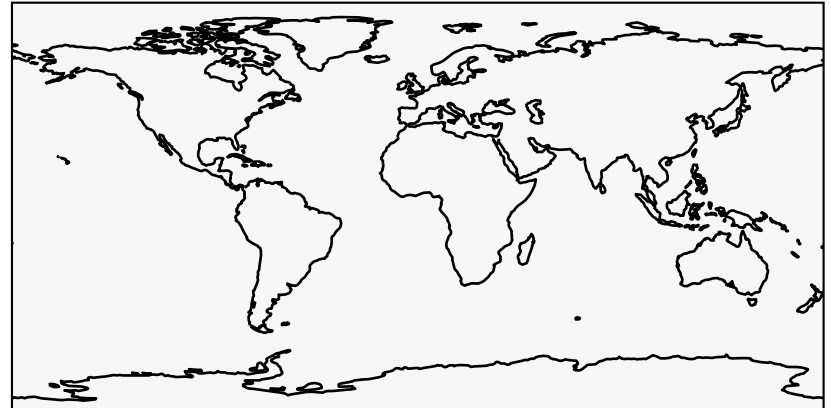
0.5  
kg/m2/s

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



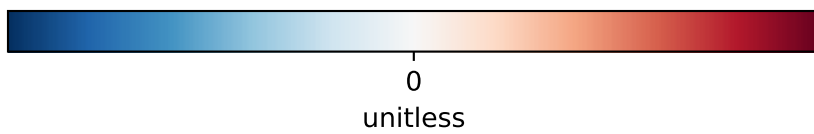
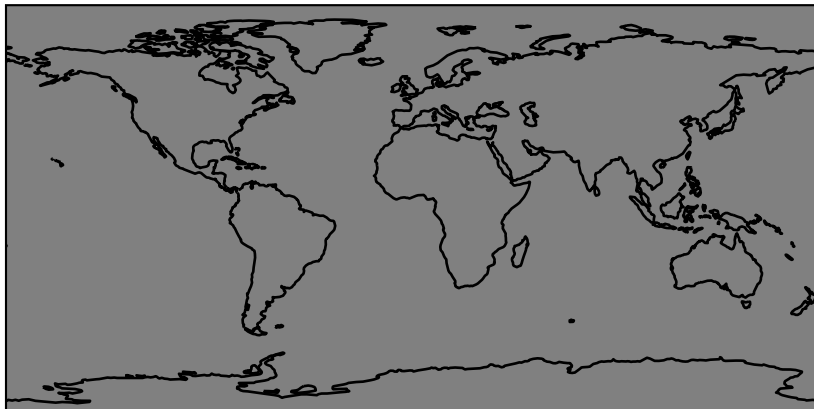
0  
kg/m2/s

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



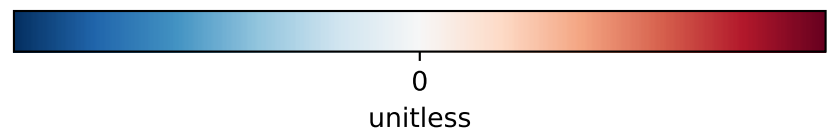
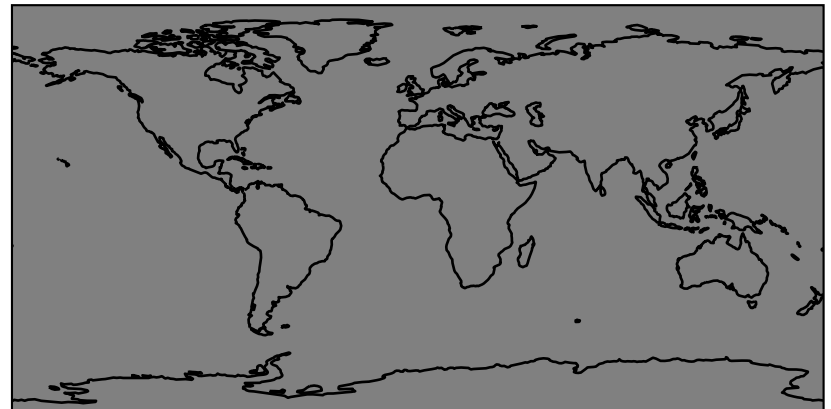
0  
kg/m2/s

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



0  
unitless

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

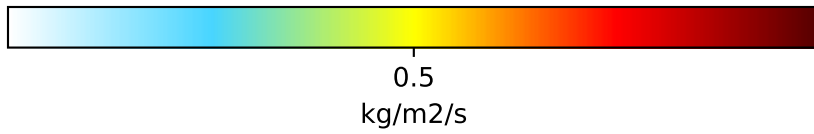


0  
unitless

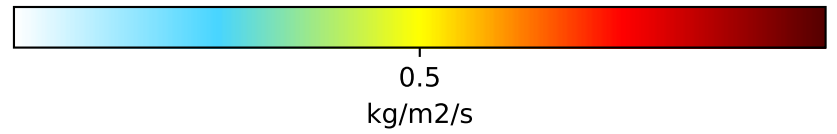
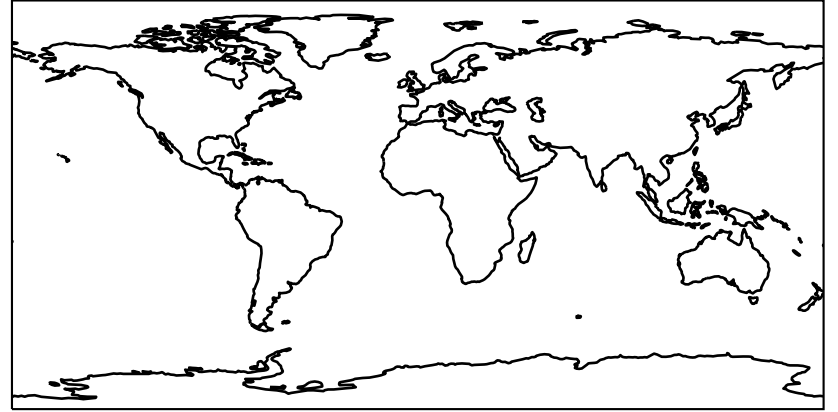


# EmisCO2\_Ship

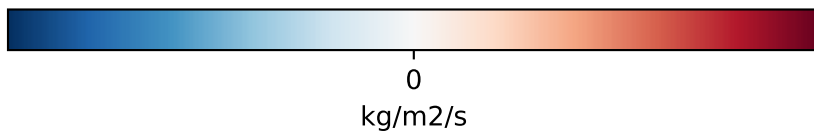
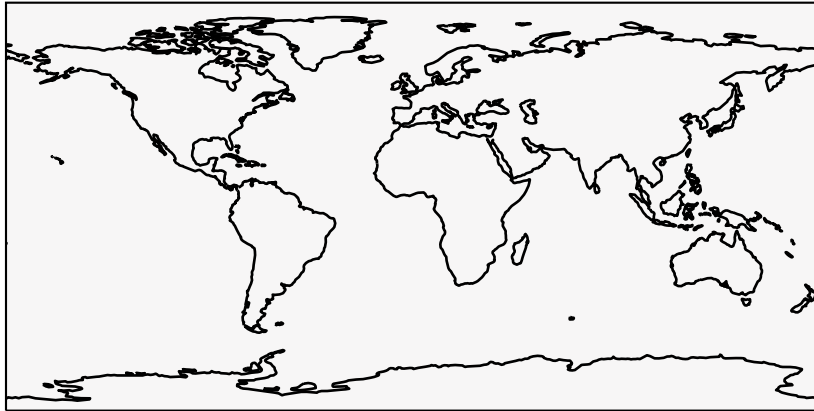
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



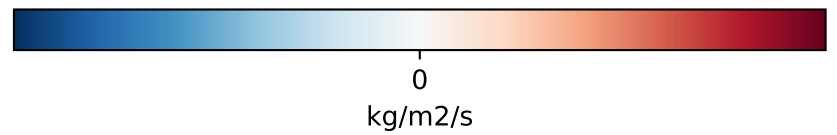
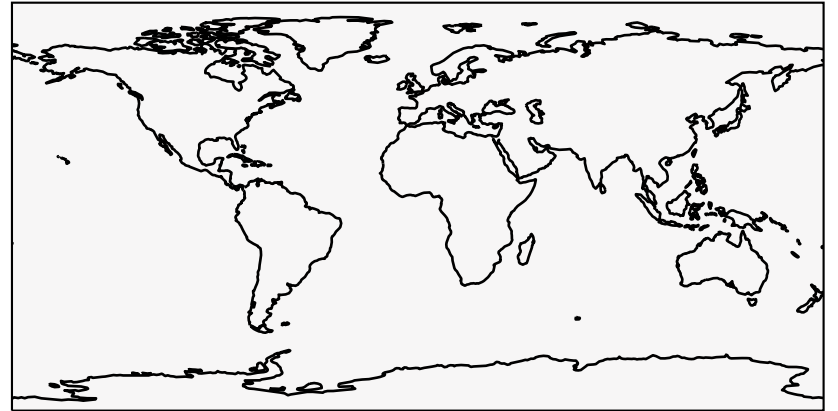
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



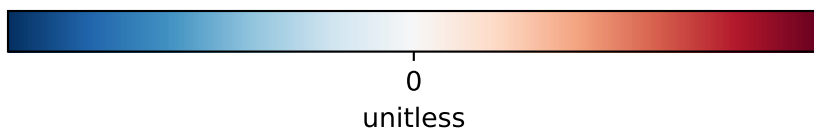
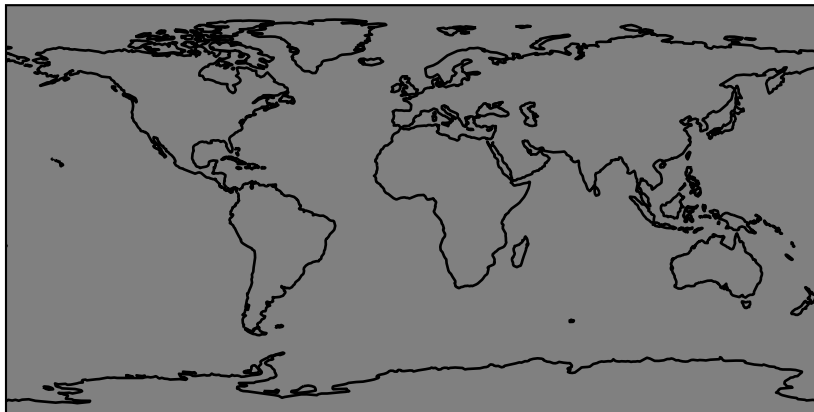
Difference (1x1.25)  
Dev - Ref, Dynamic Range



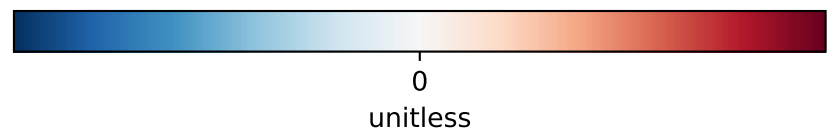
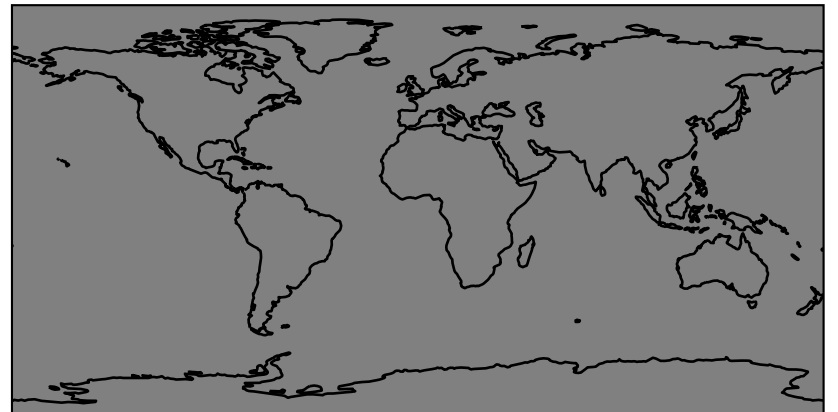
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

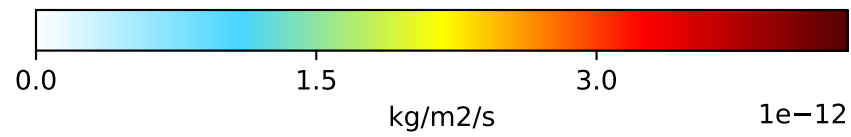
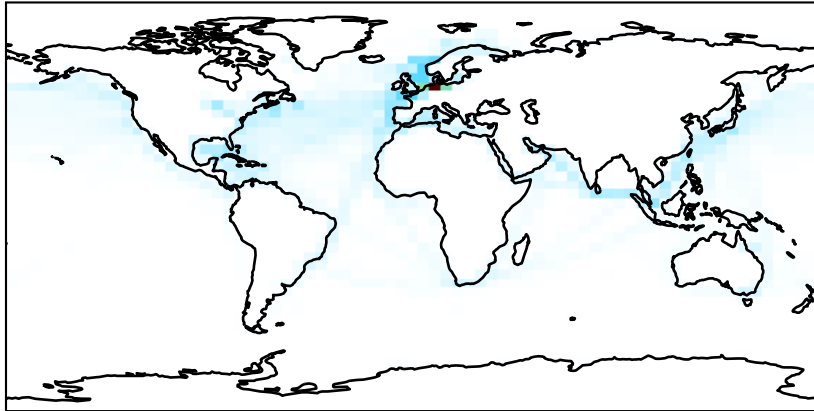


Ratio (1x1.25)  
Dev/Ref, Fixed Range

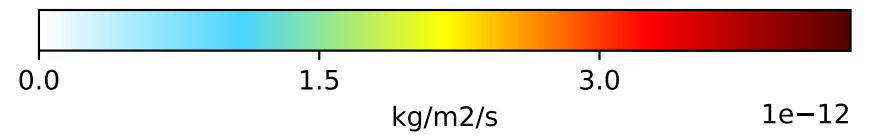
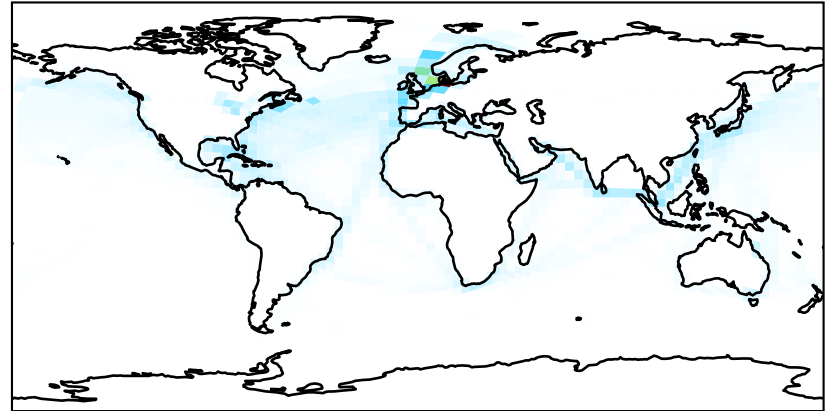


# EmisCO\_Ship

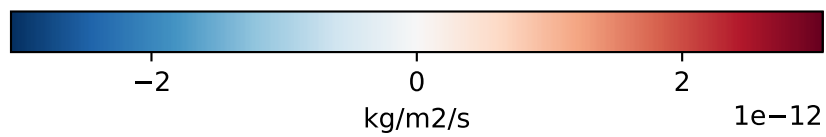
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



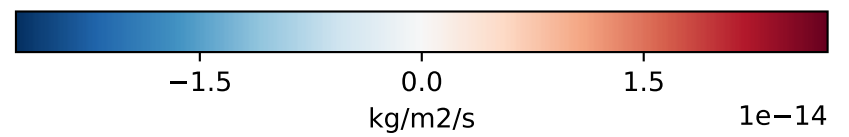
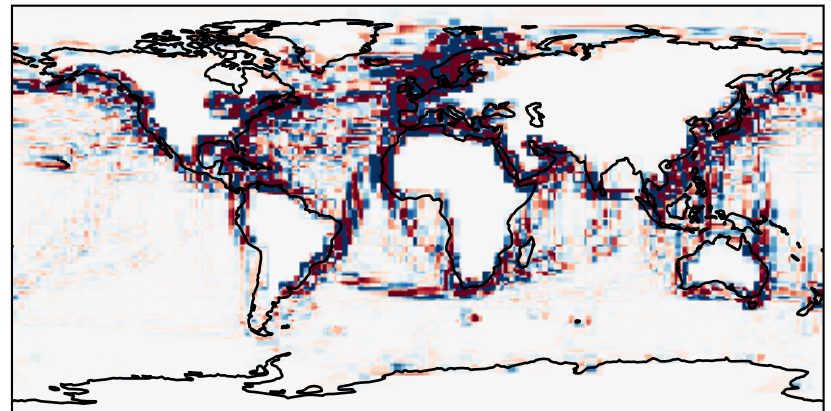
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



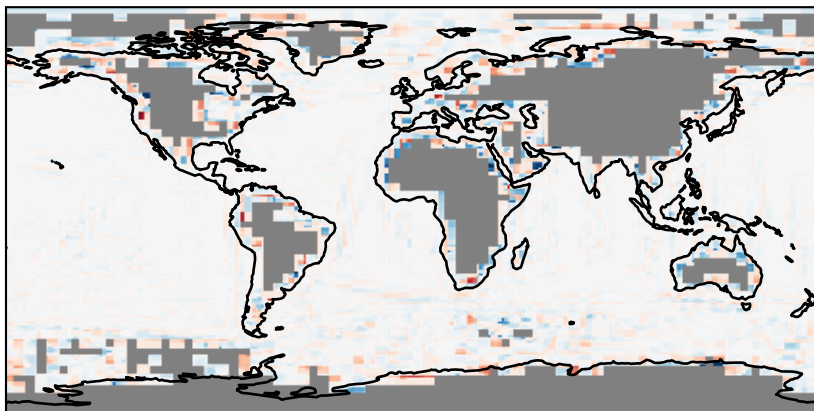
Difference (1x1.25)  
Dev - Ref, Dynamic Range



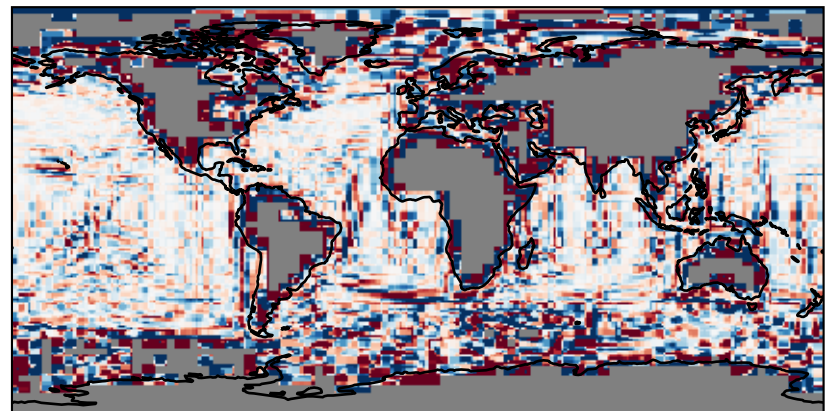
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

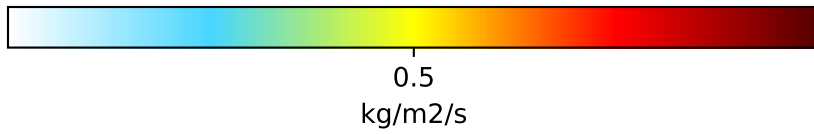


Ratio (1x1.25)  
Dev/Ref, Fixed Range

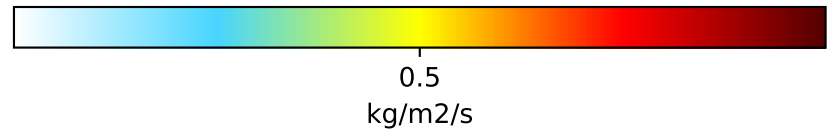
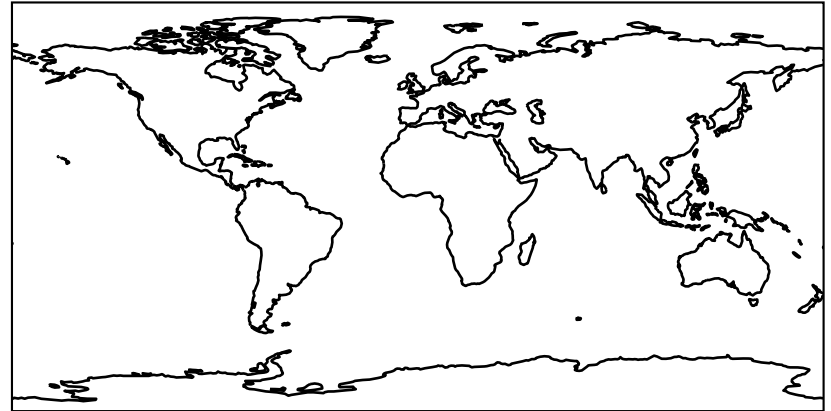


# EmisEOH\_Ship

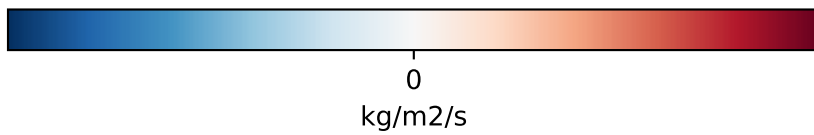
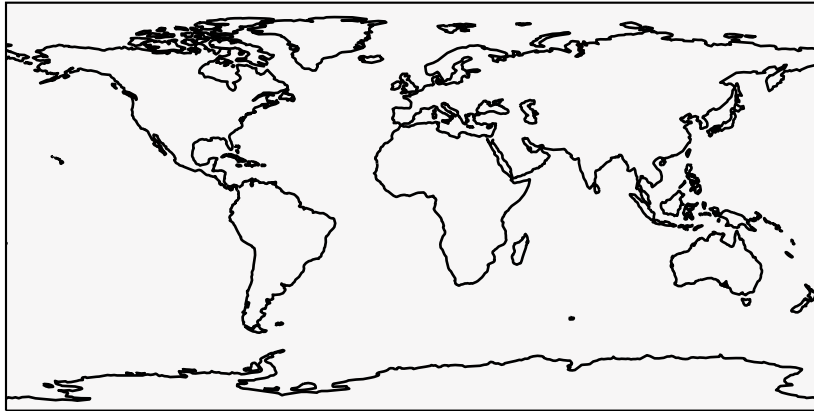
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



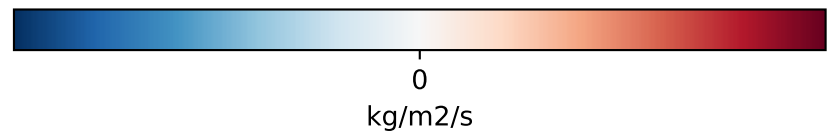
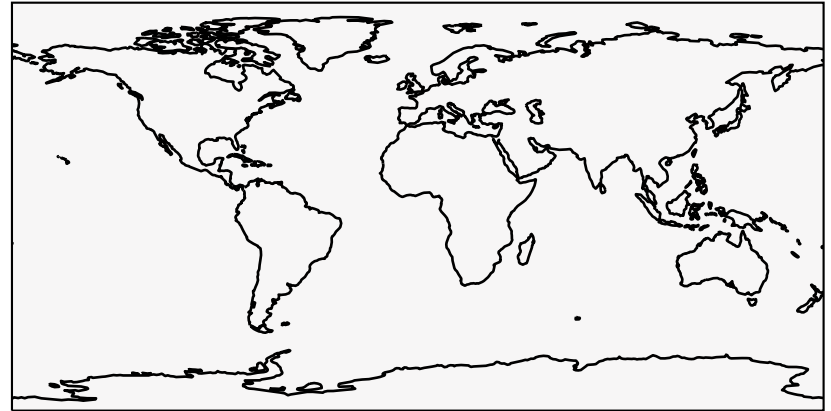
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



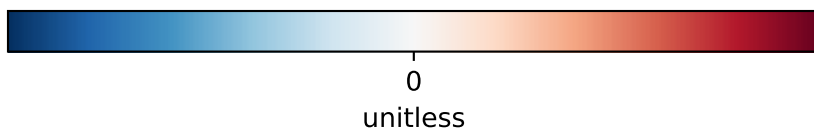
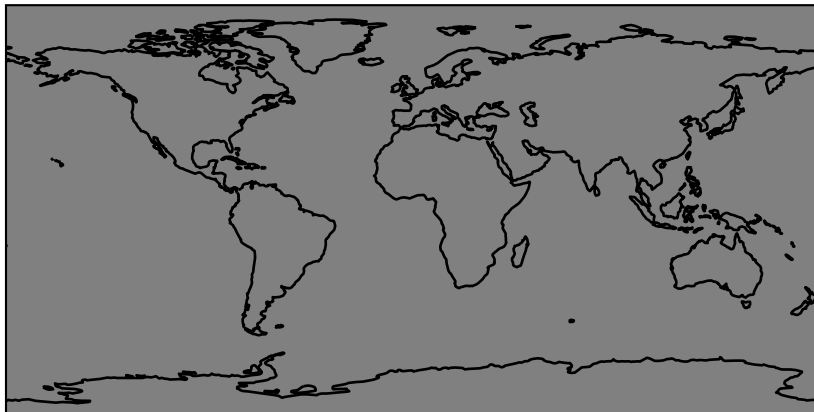
Difference (1x1.25)  
Dev - Ref, Dynamic Range



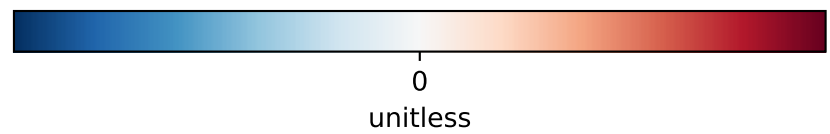
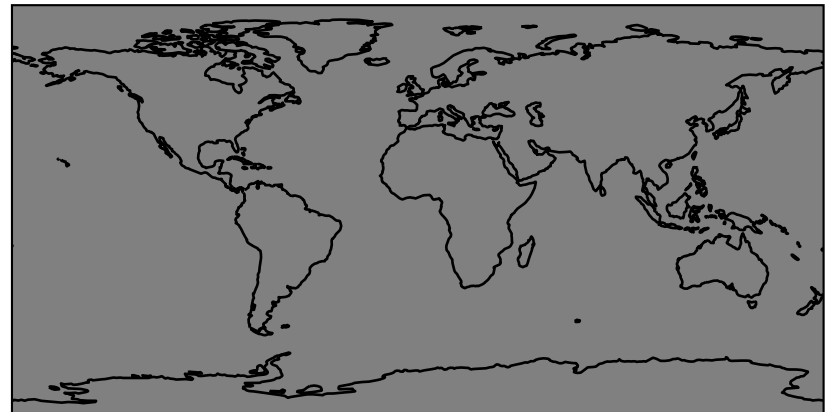
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



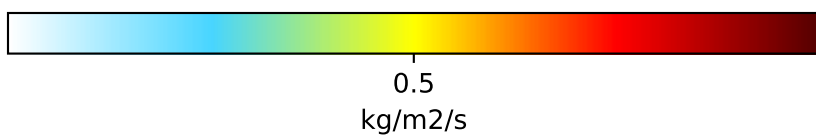
Ratio (1x1.25)  
Dev/Ref, Fixed Range



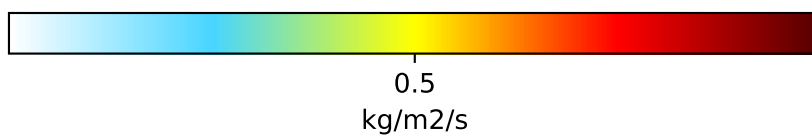
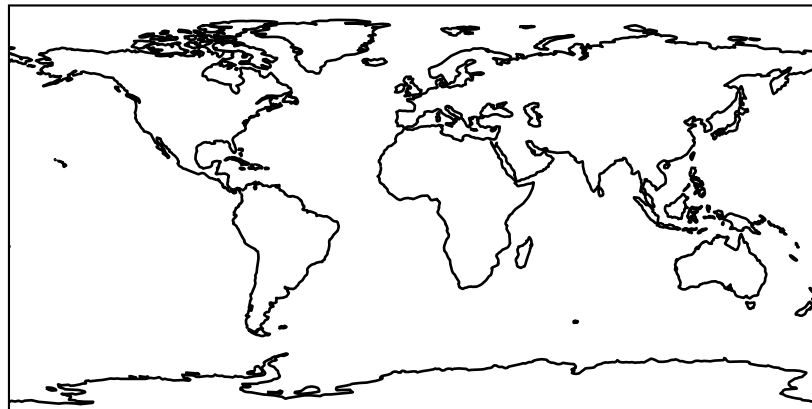


# EmisHCOOH\_Ship

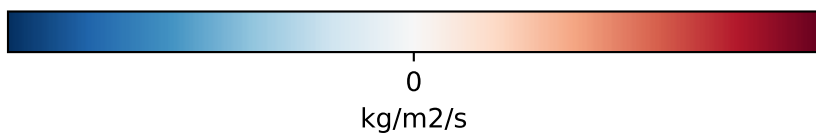
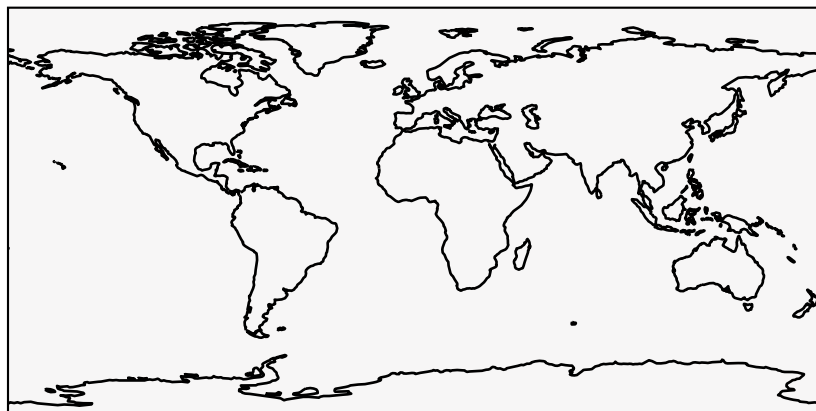
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



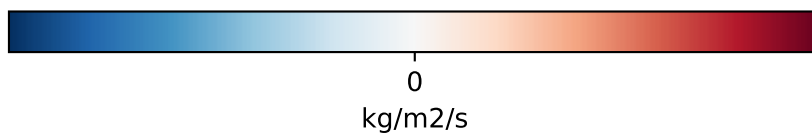
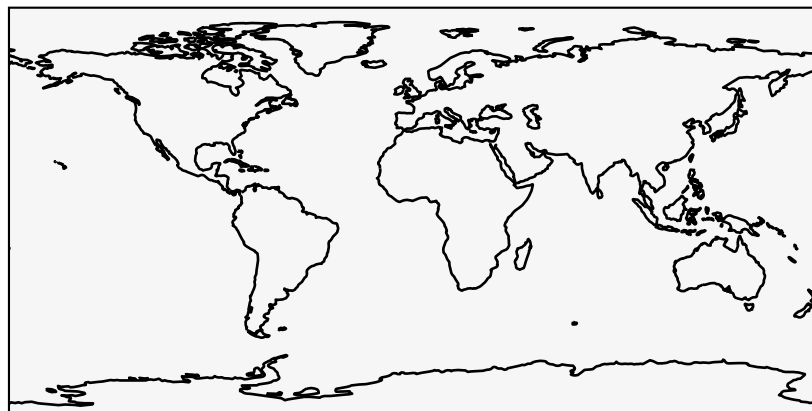
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



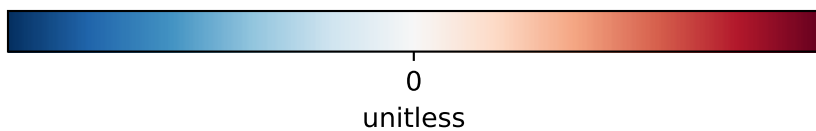
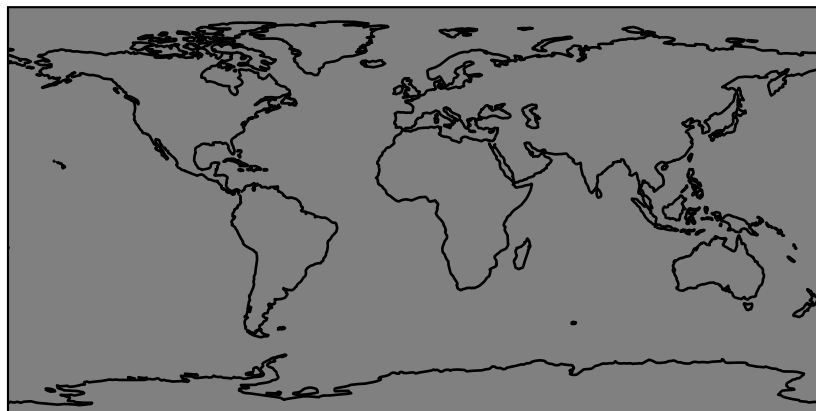
Difference (1x1.25)  
Dev - Ref, Dynamic Range



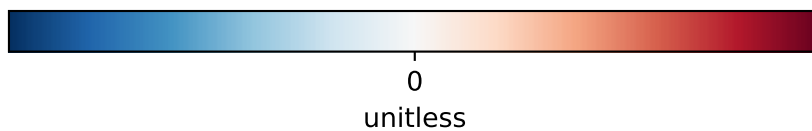
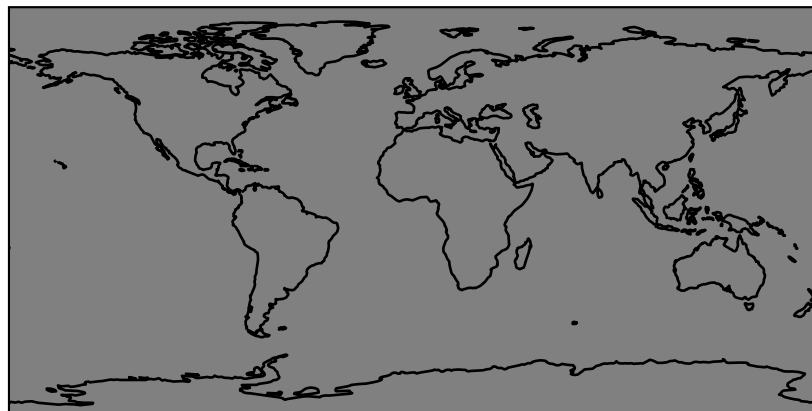
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

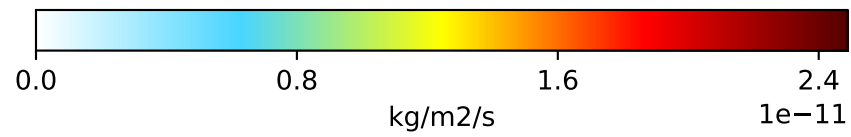
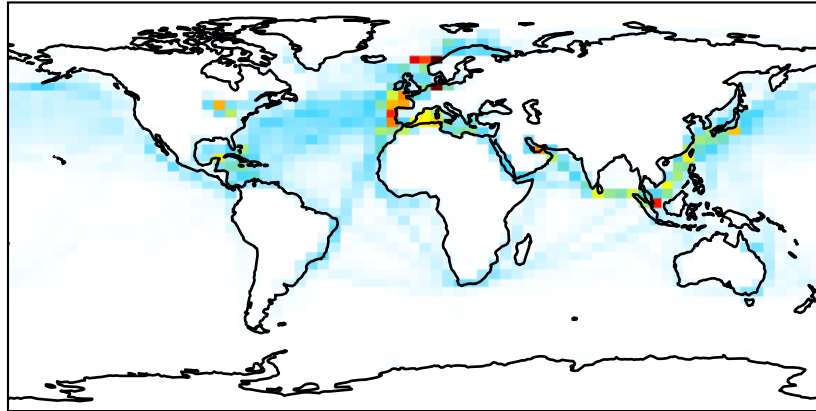


Ratio (1x1.25)  
Dev/Ref, Fixed Range

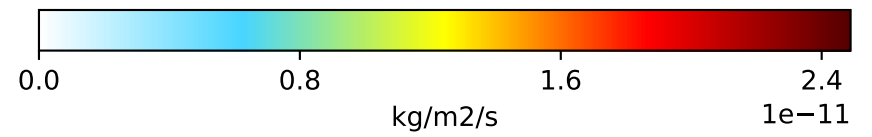
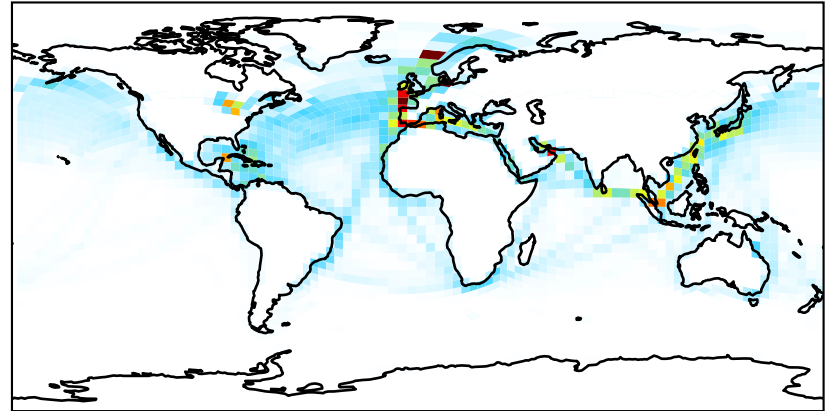


# EmisHNO3\_Ship

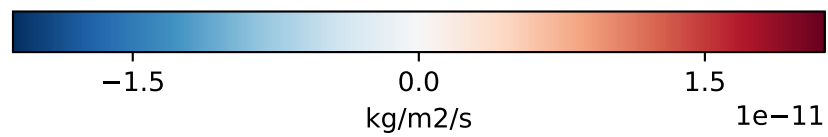
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



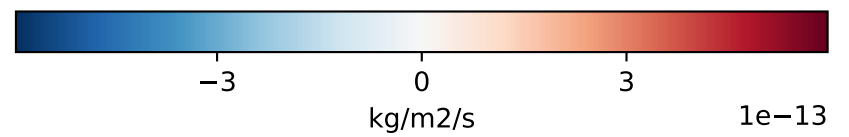
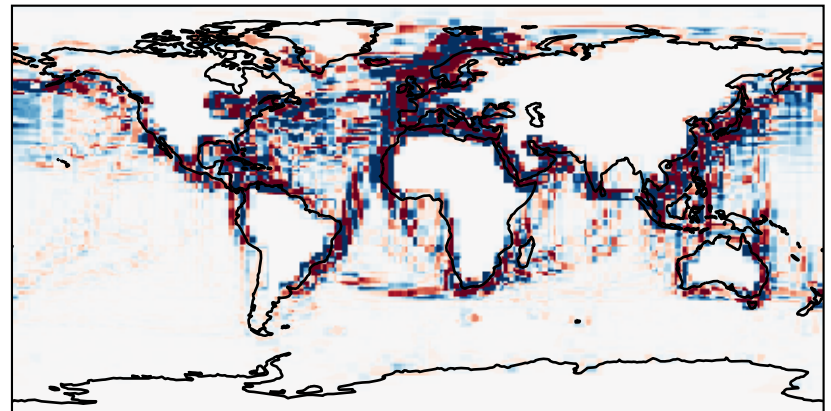
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



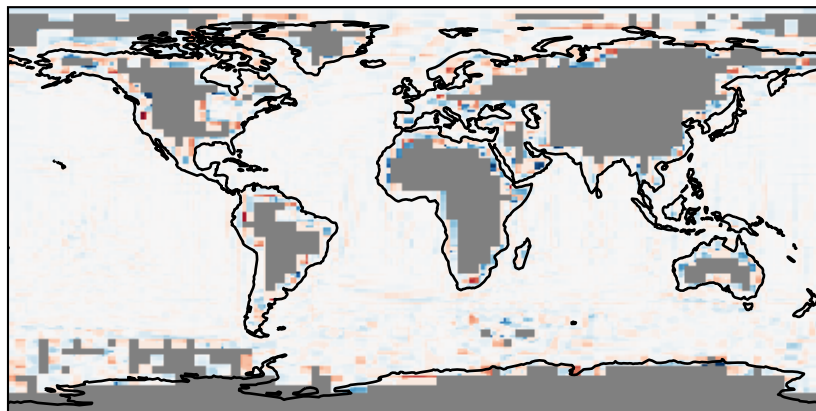
Difference (1x1.25)  
Dev - Ref, Dynamic Range



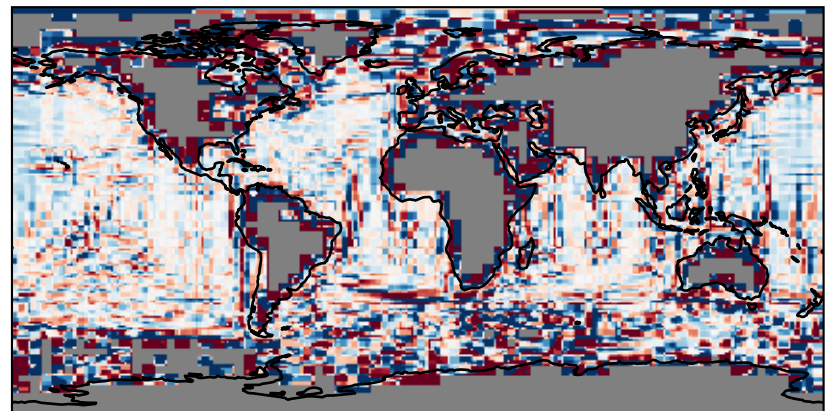
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

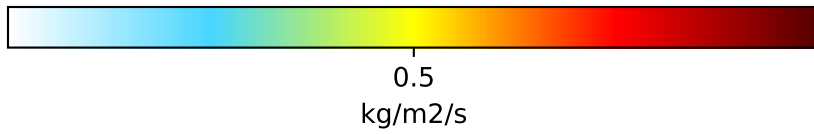


Ratio (1x1.25)  
Dev/Ref, Fixed Range

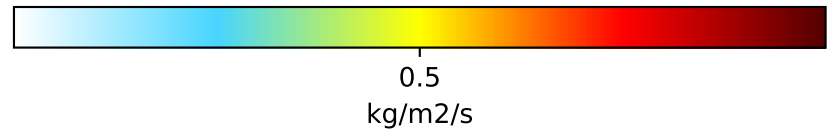
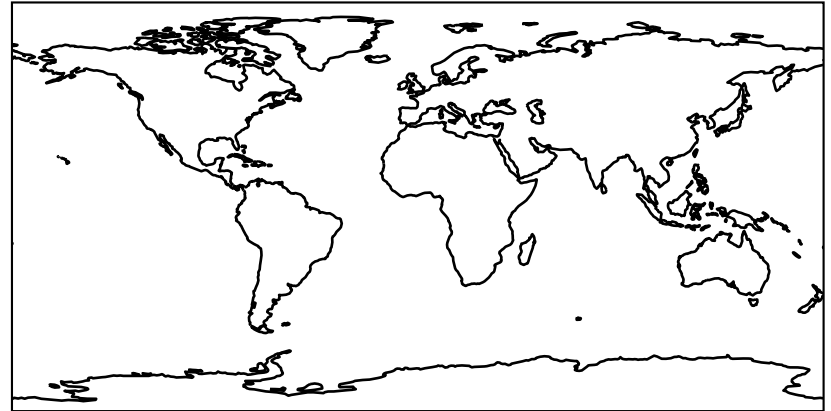


# EmisMEK\_Ship

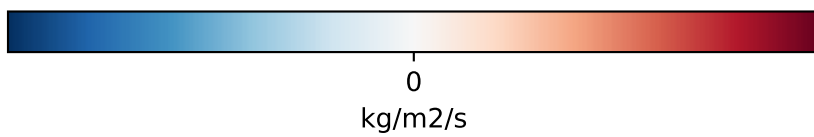
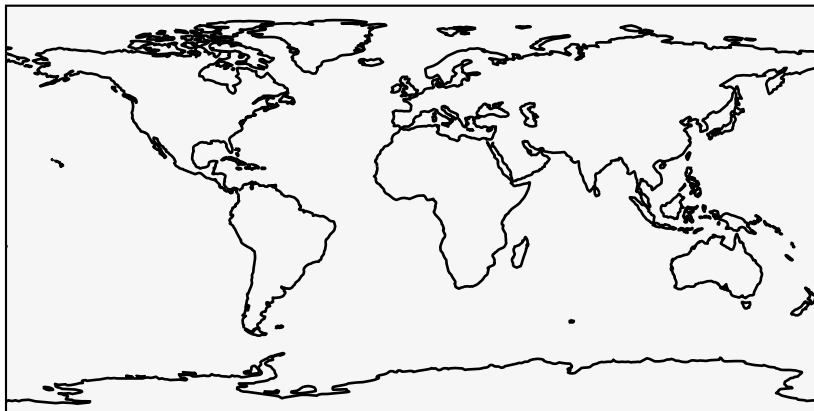
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



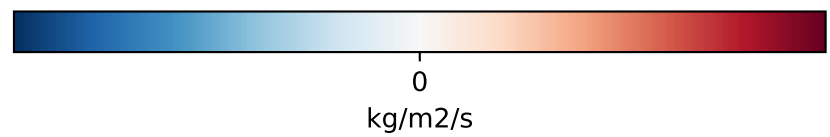
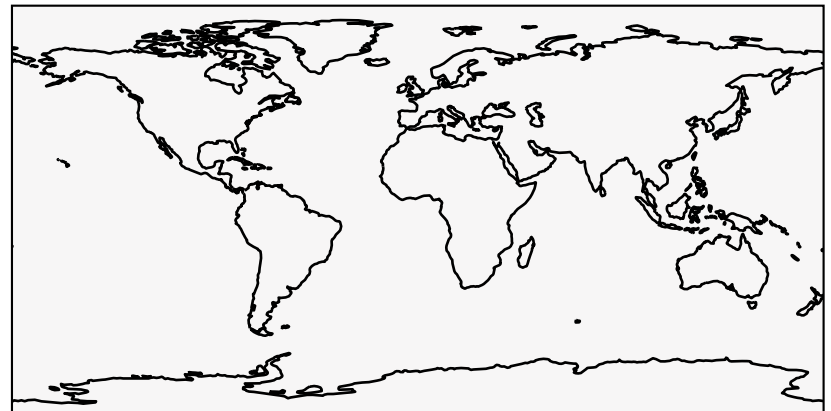
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



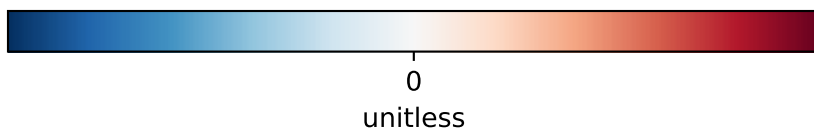
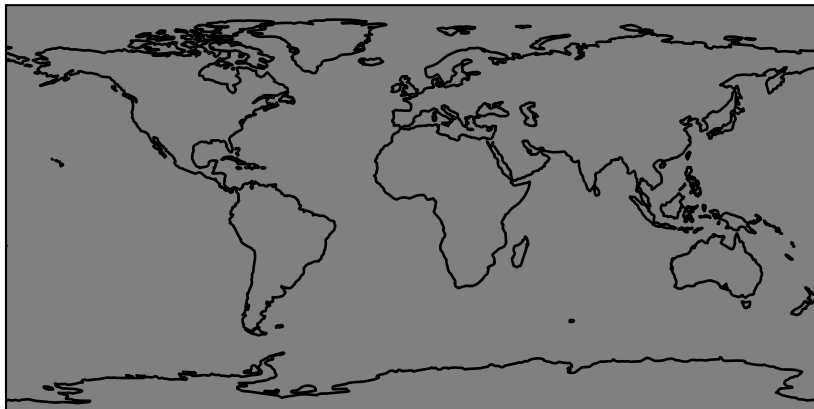
Difference (1x1.25)  
Dev - Ref, Dynamic Range



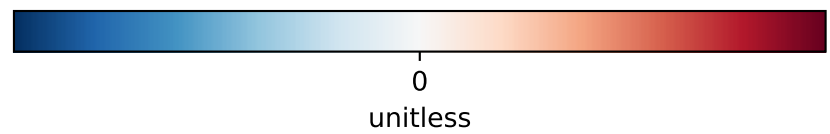
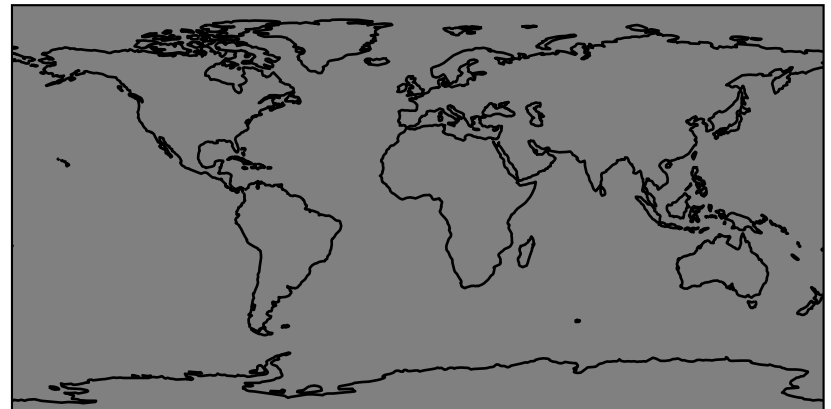
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



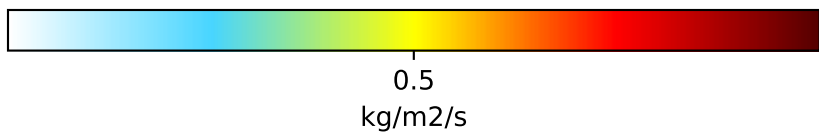
Ratio (1x1.25)  
Dev/Ref, Fixed Range



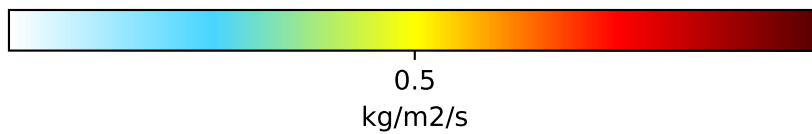


# EmisMOH\_Ship

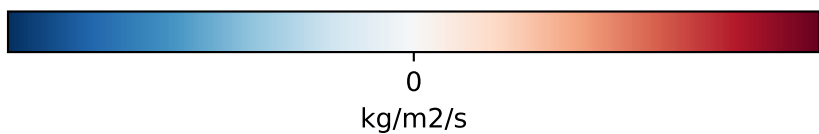
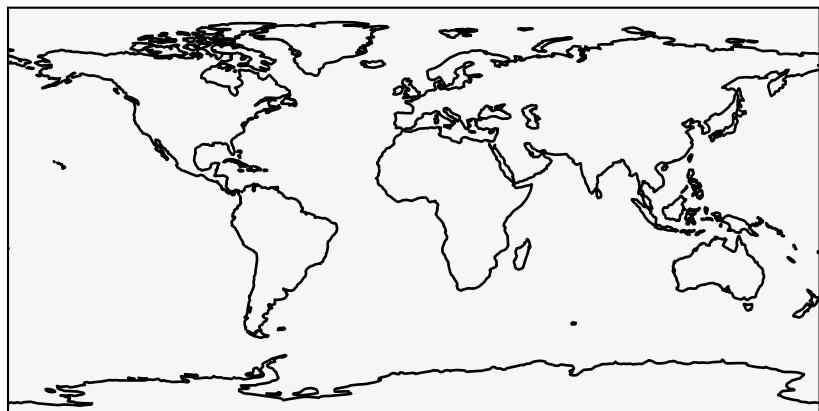
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



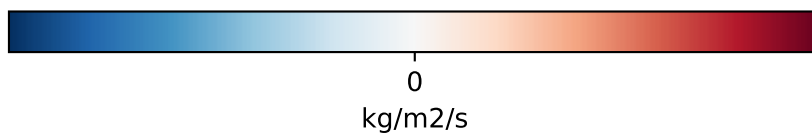
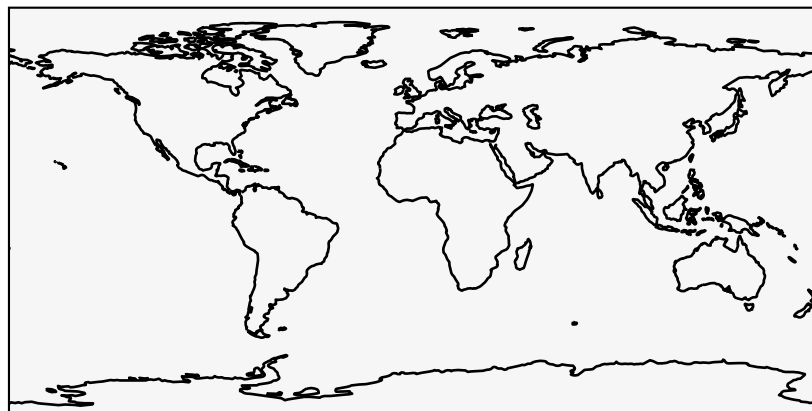
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



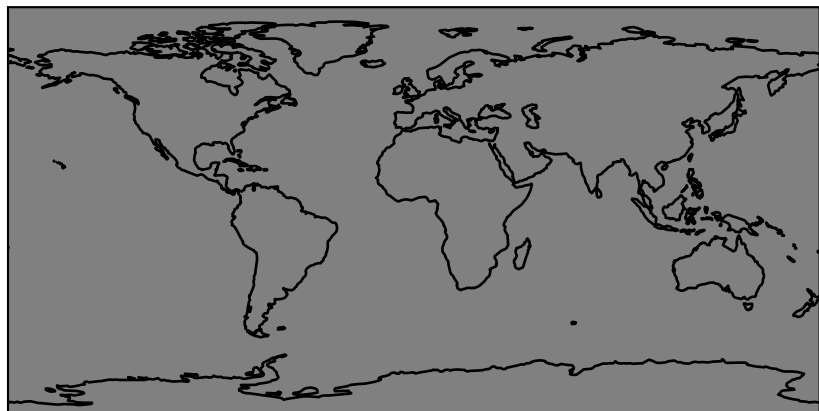
Difference (1x1.25)  
Dev - Ref, Dynamic Range



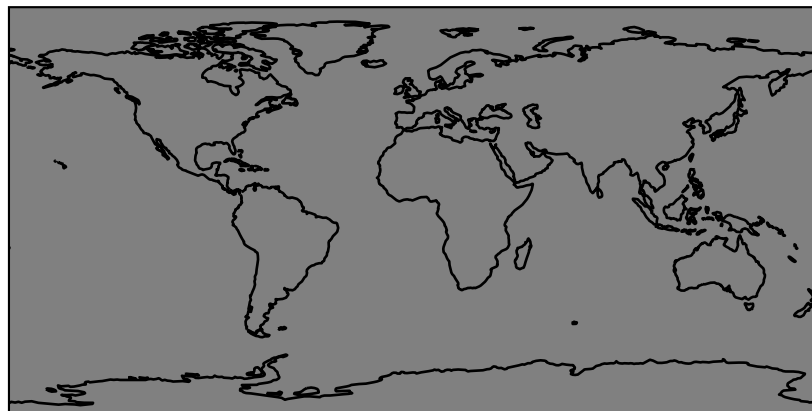
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

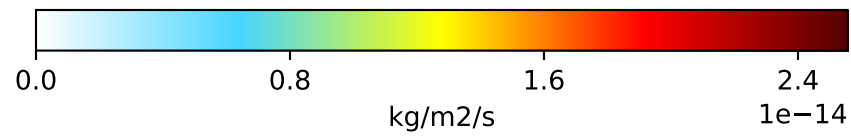
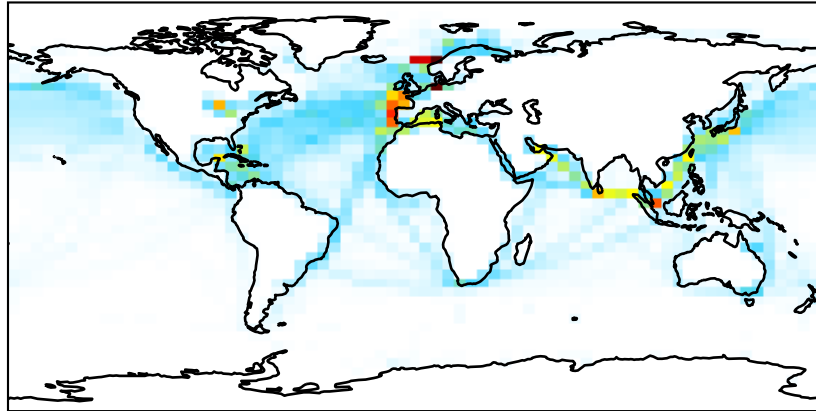


Ratio (1x1.25)  
Dev/Ref, Fixed Range

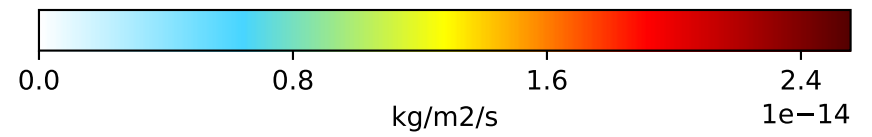
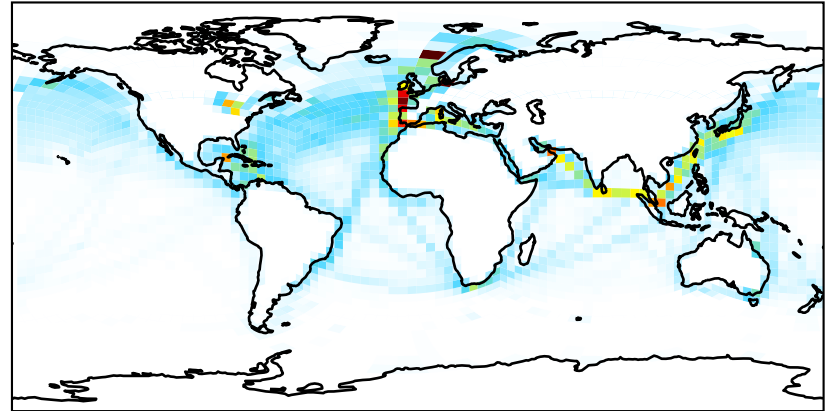


# EmisNH3\_Ship

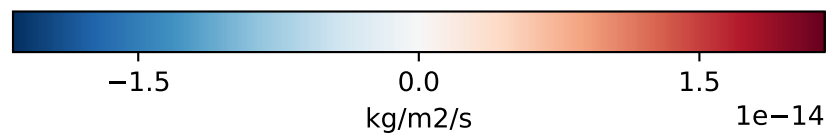
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



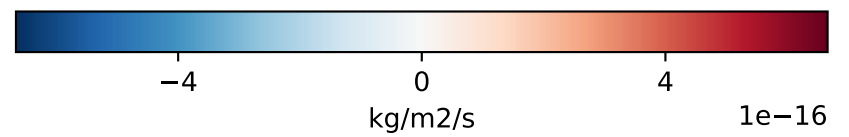
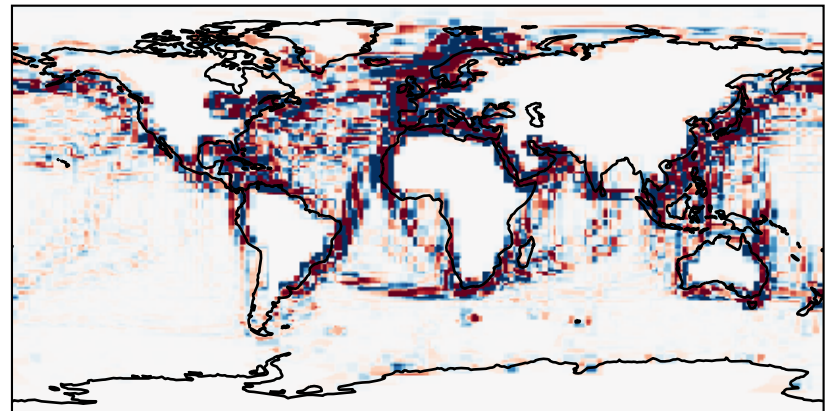
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



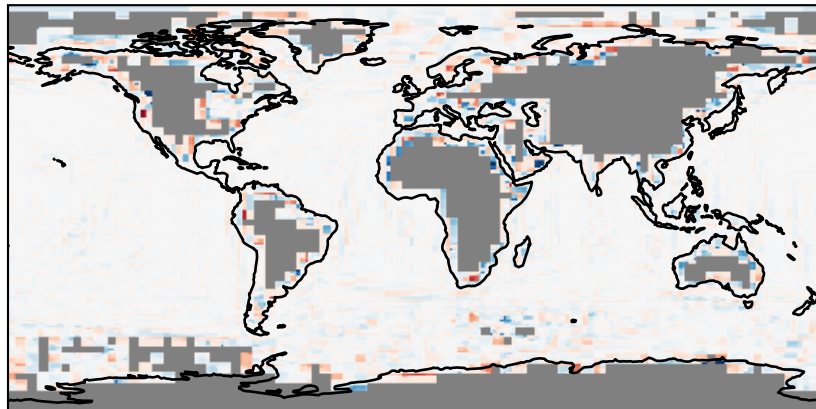
Difference (1x1.25)  
Dev - Ref, Dynamic Range



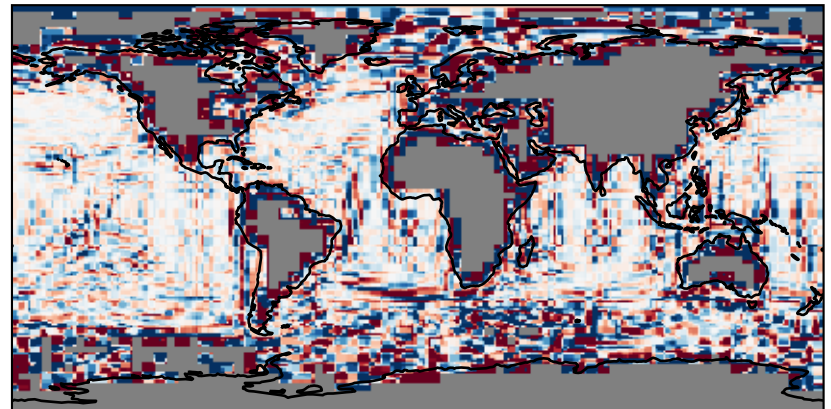
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

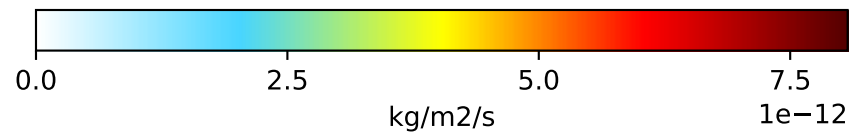
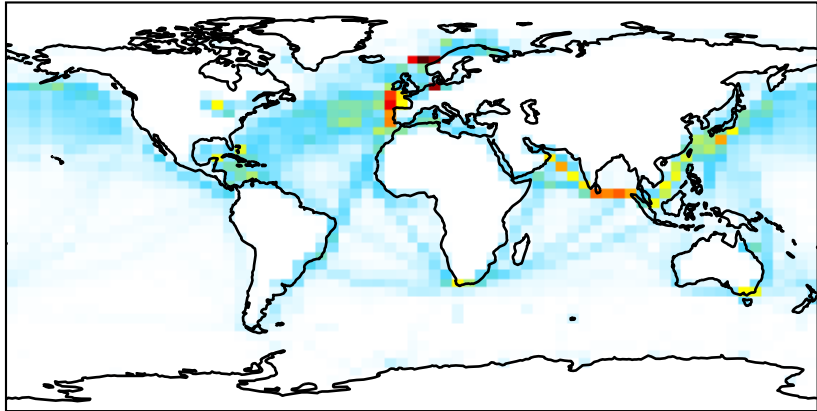


Ratio (1x1.25)  
Dev/Ref, Fixed Range

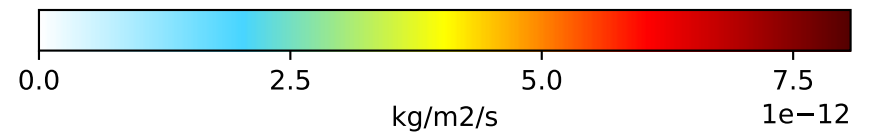
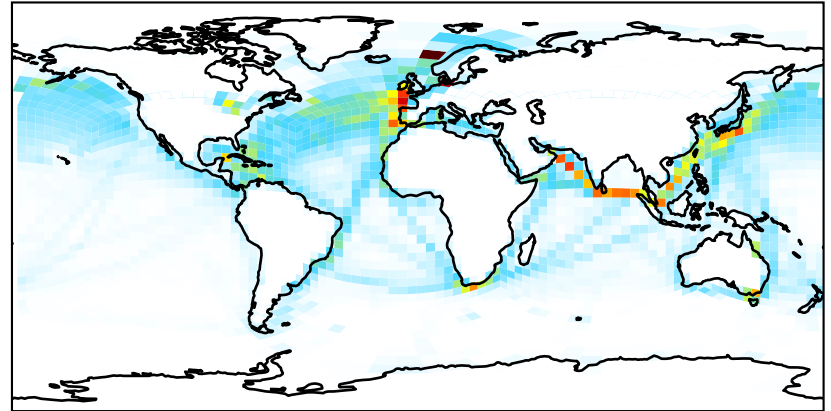


# EmisNO2\_Ship

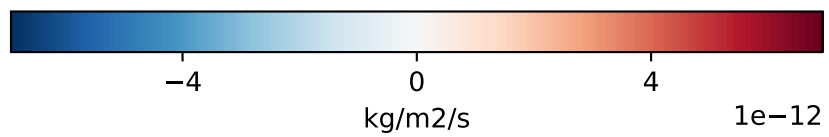
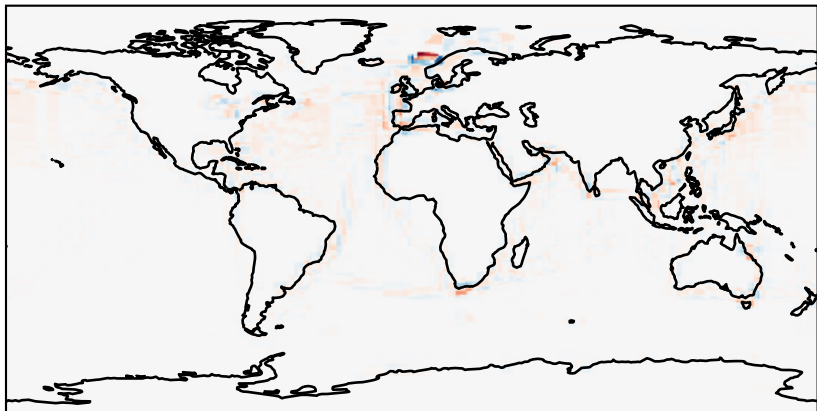
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



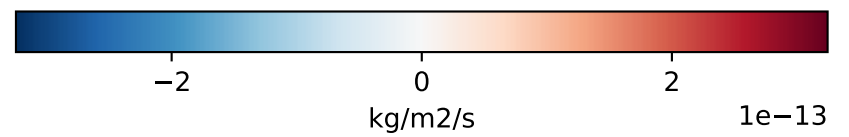
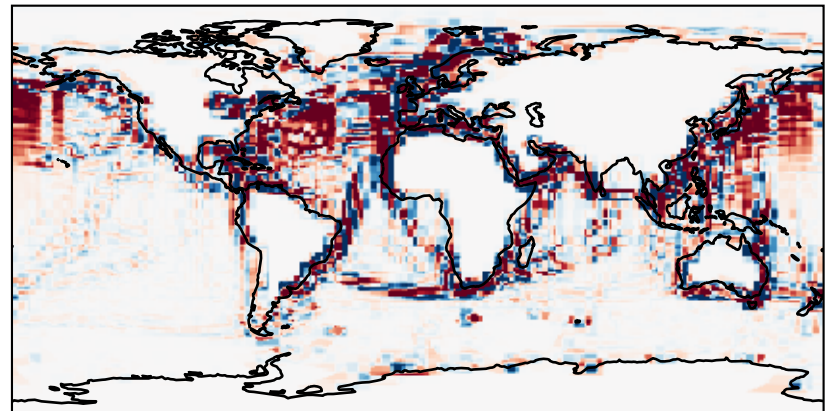
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



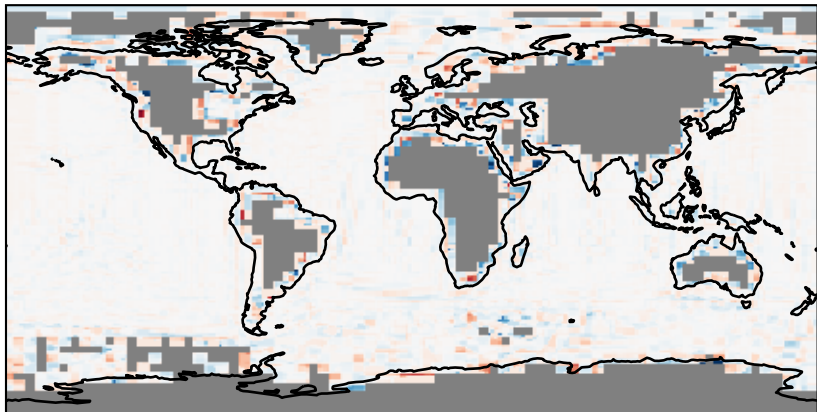
Difference (1x1.25)  
Dev - Ref, Dynamic Range



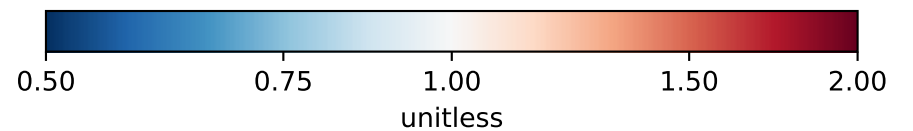
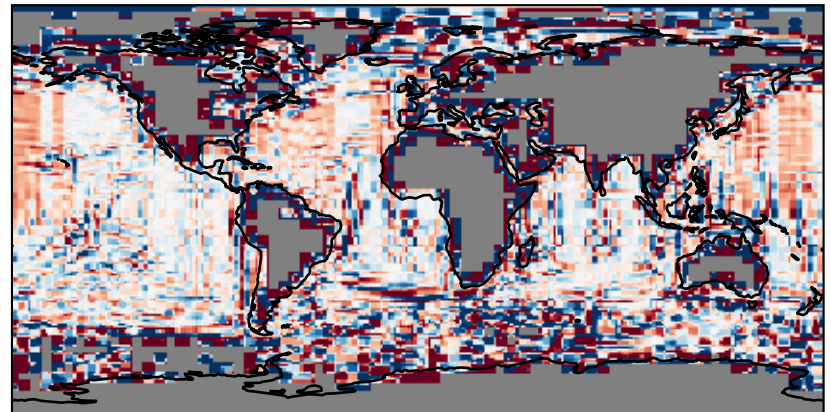
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



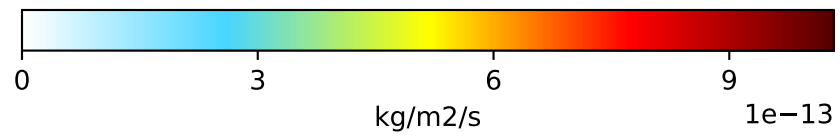
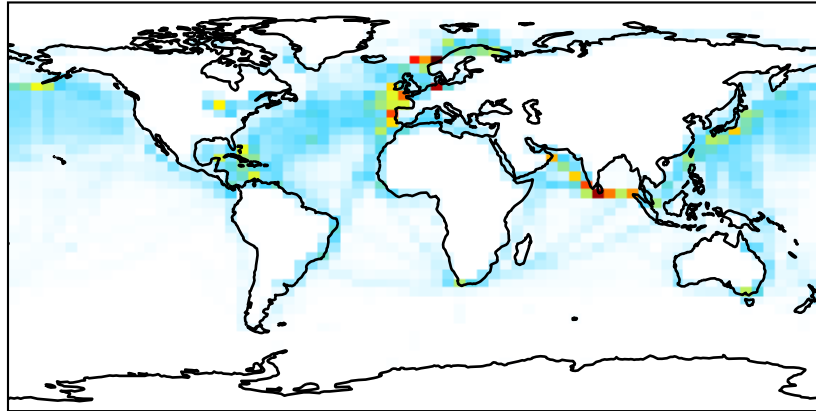
Ratio (1x1.25)  
Dev/Ref, Fixed Range



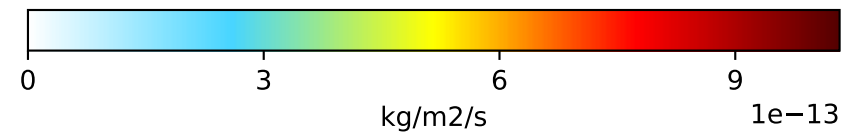
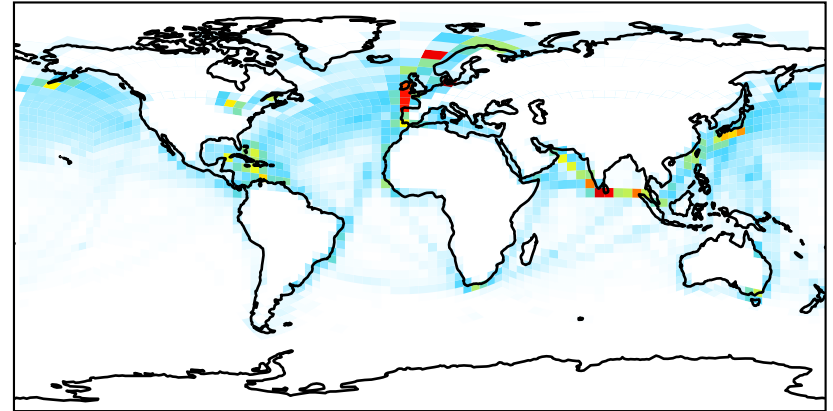


# EmisNO\_Ship

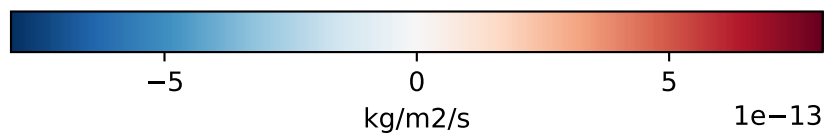
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



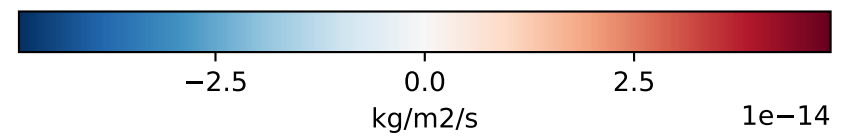
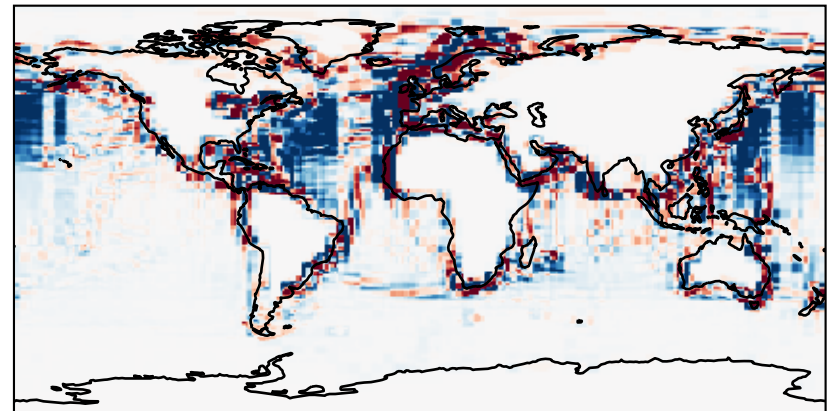
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



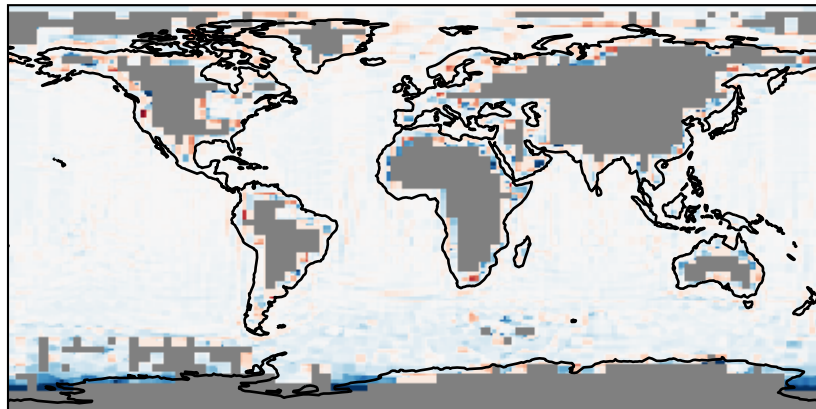
Difference (1x1.25)  
Dev - Ref, Dynamic Range



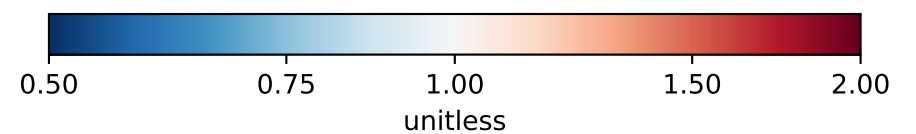
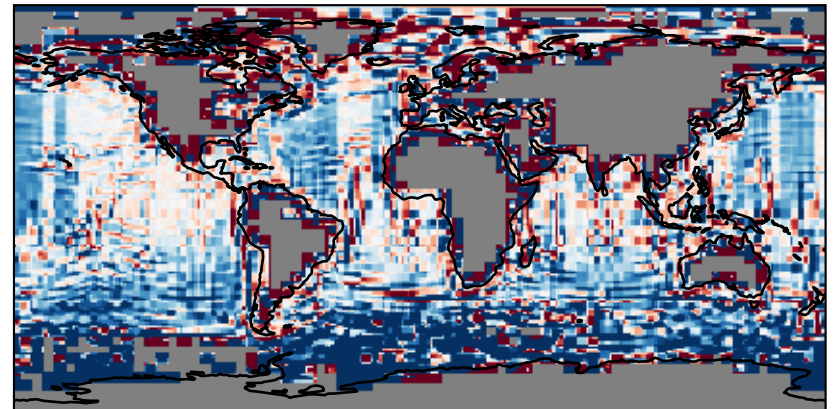
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

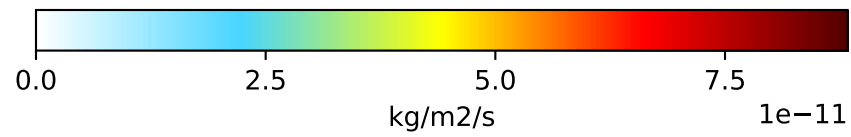
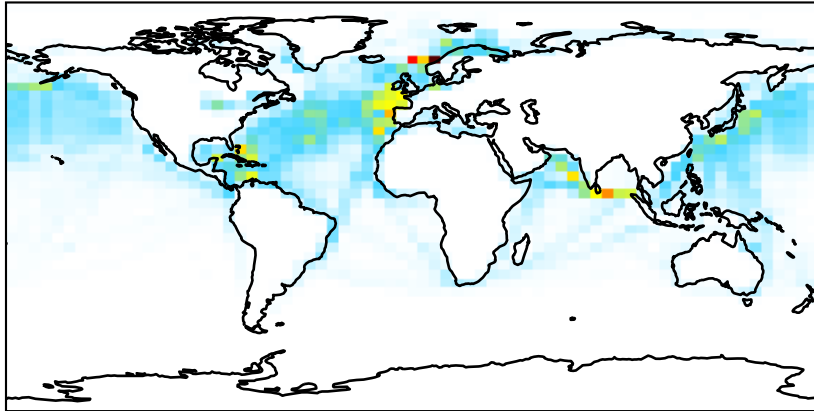


Ratio (1x1.25)  
Dev/Ref, Fixed Range

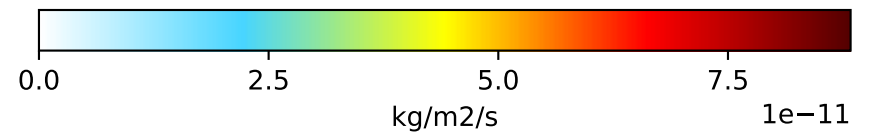
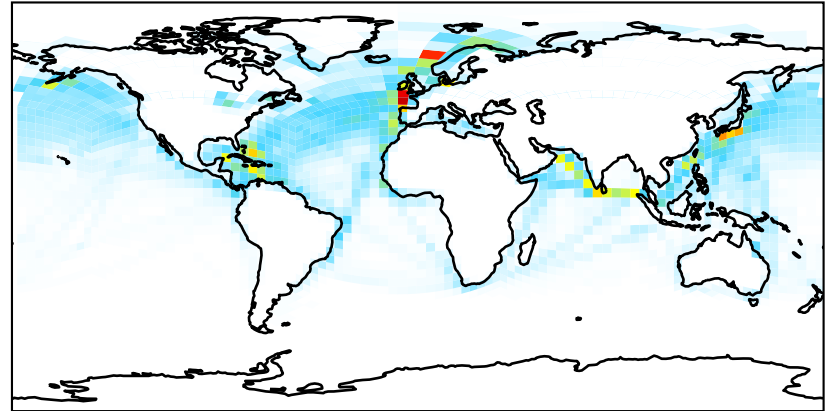


# EmisO3\_Ship

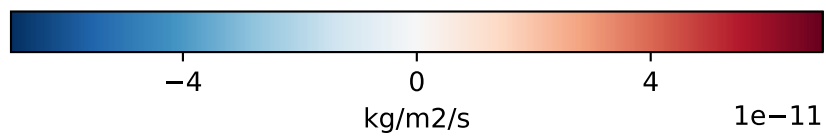
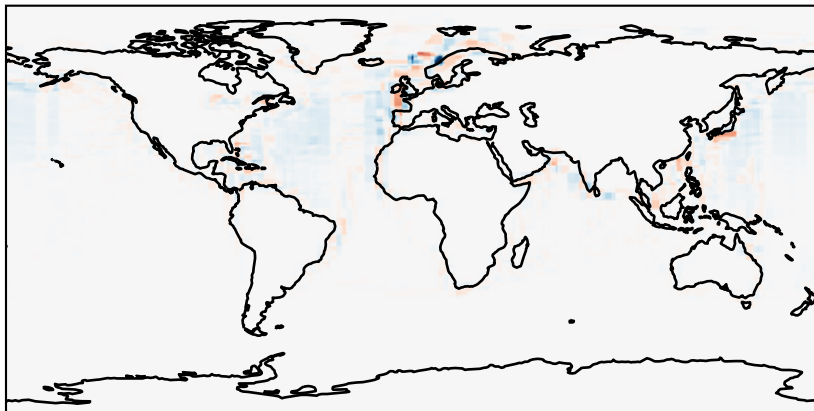
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



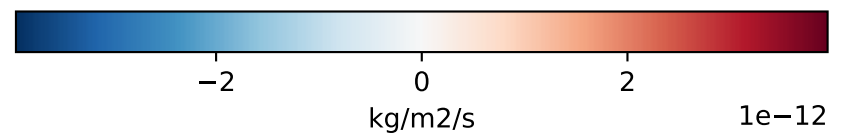
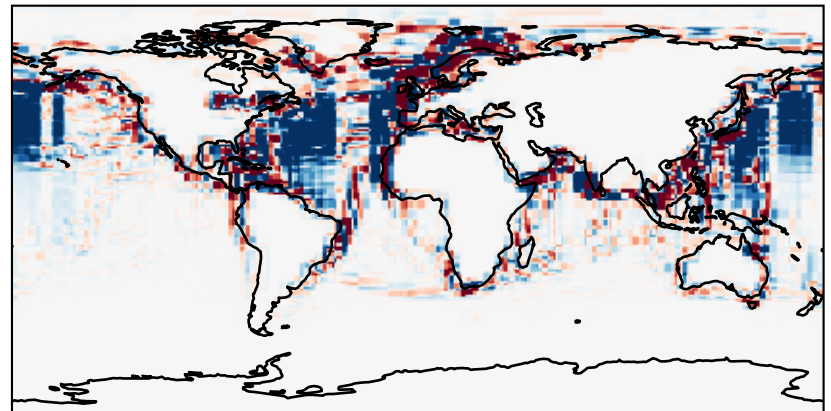
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



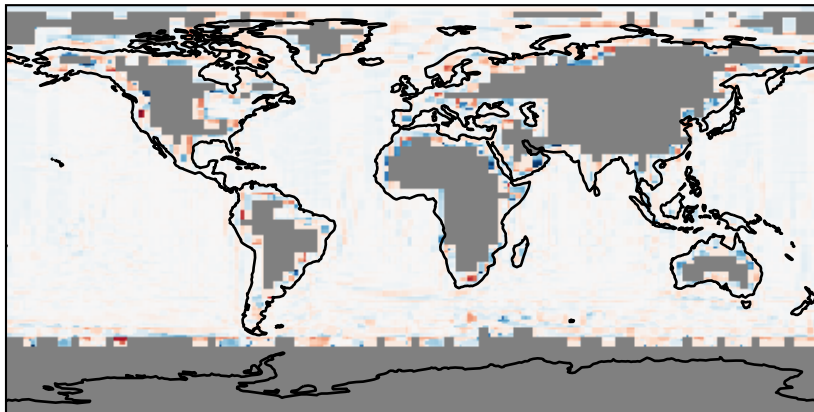
Difference (1x1.25)  
Dev - Ref, Dynamic Range



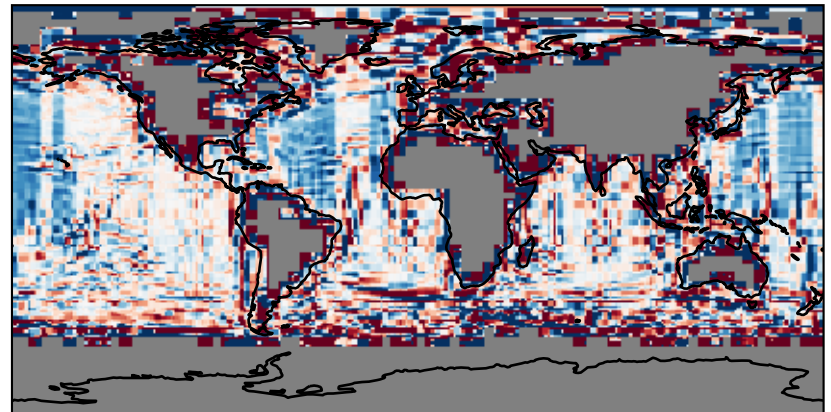
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



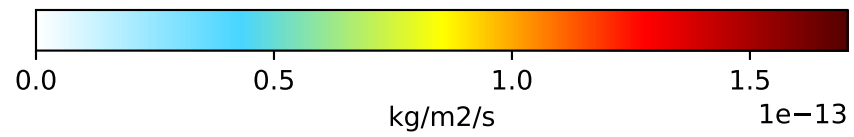
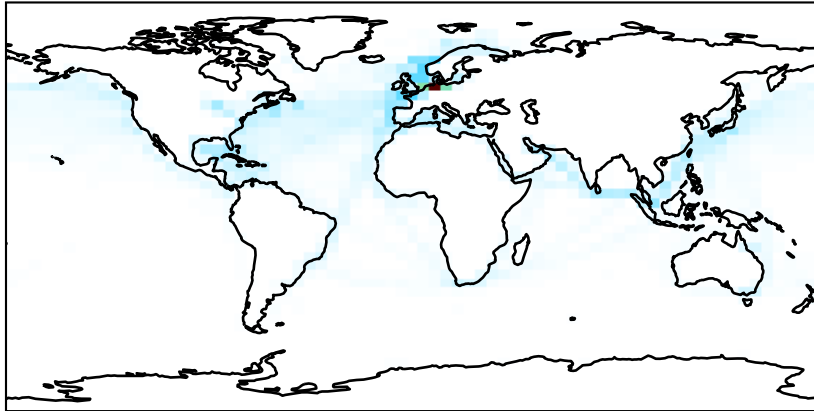
Ratio (1x1.25)  
Dev/Ref, Fixed Range



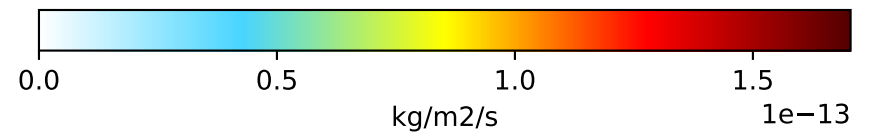
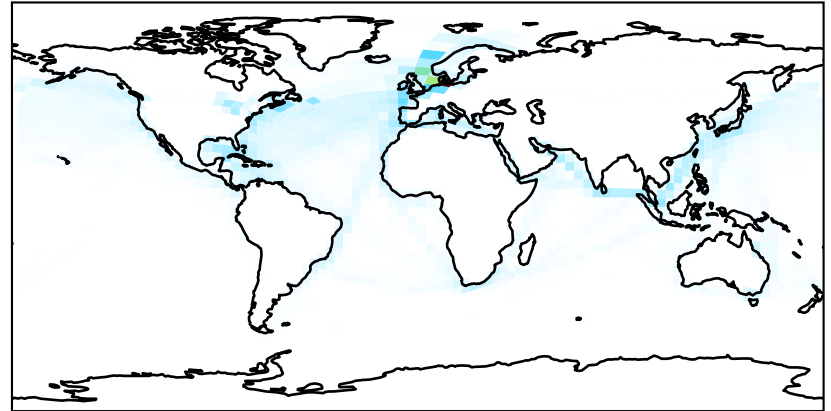


# EmisOCPI\_Ship

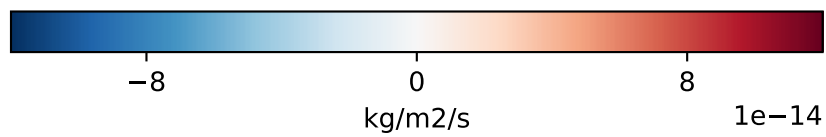
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



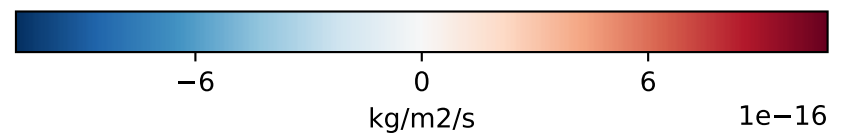
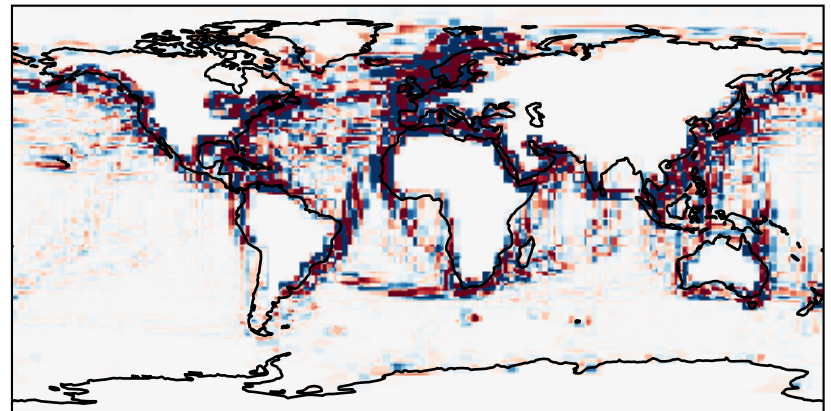
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



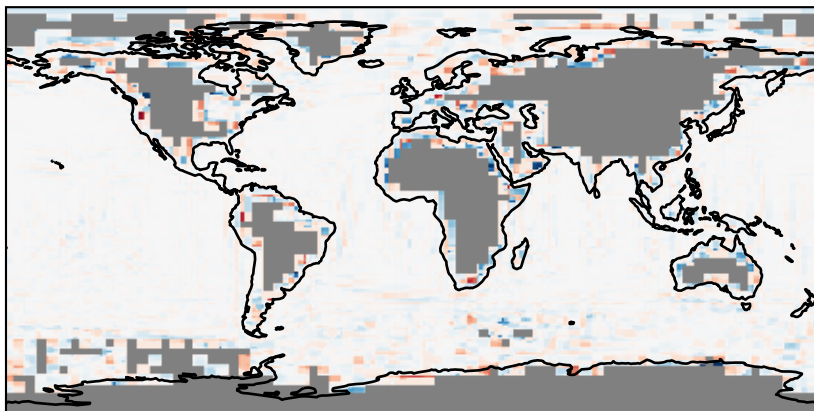
Difference (1x1.25)  
Dev - Ref, Dynamic Range



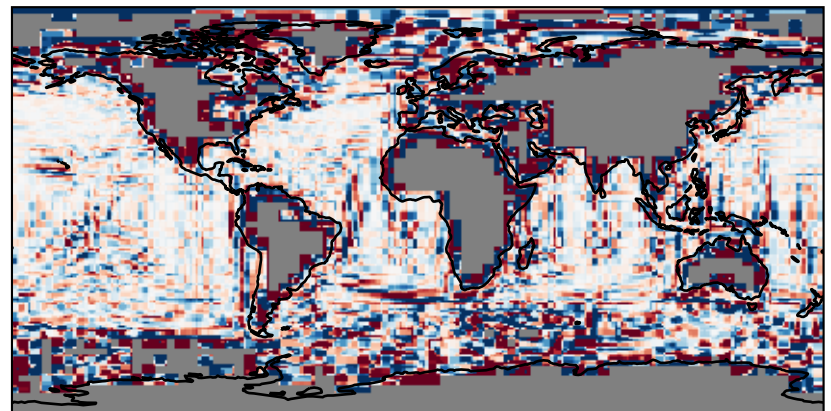
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

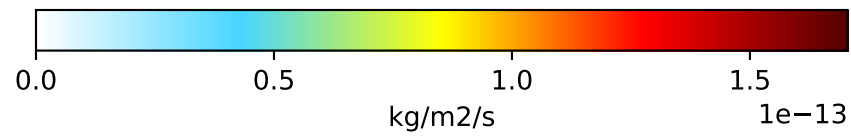
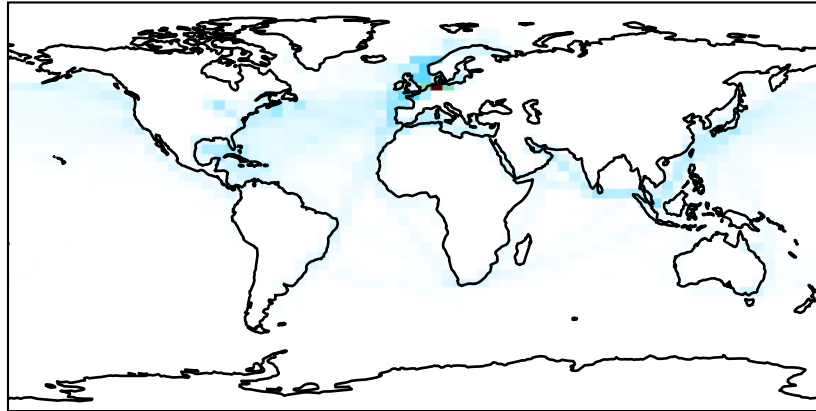


Ratio (1x1.25)  
Dev/Ref, Fixed Range

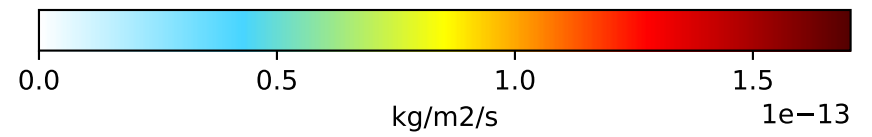
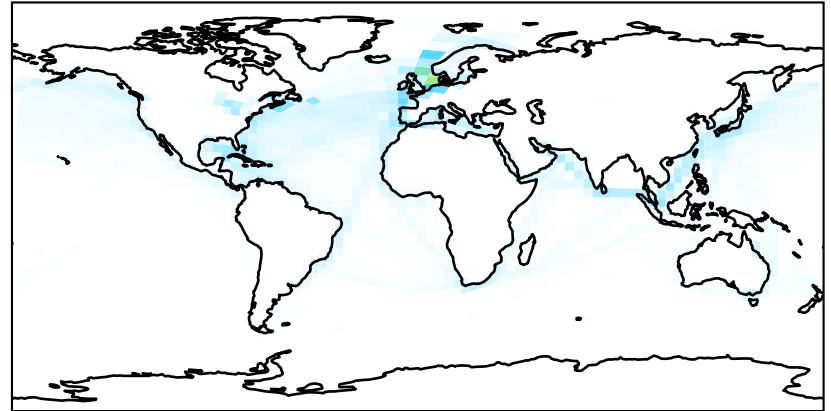


# EmisOCPO\_Ship

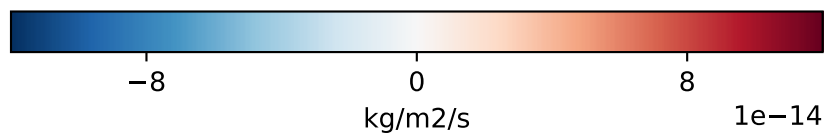
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



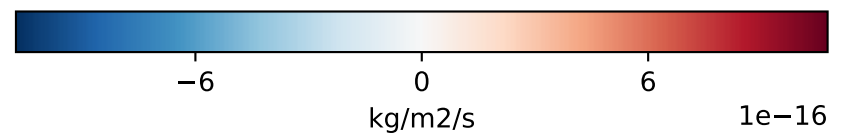
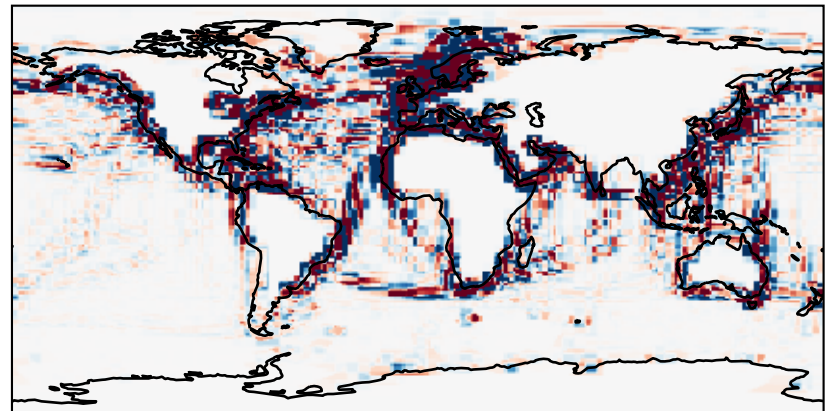
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



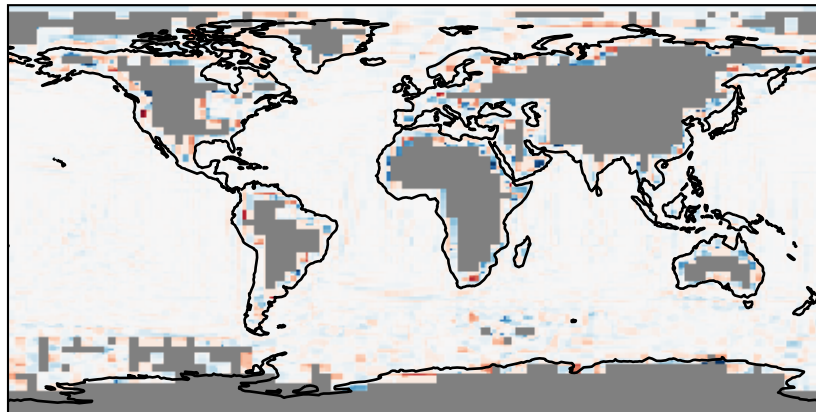
Difference (1x1.25)  
Dev - Ref, Dynamic Range



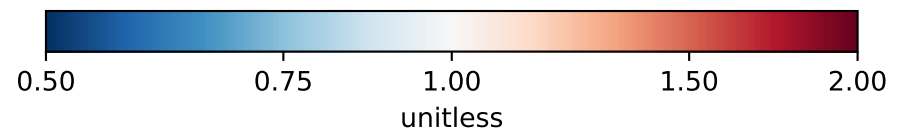
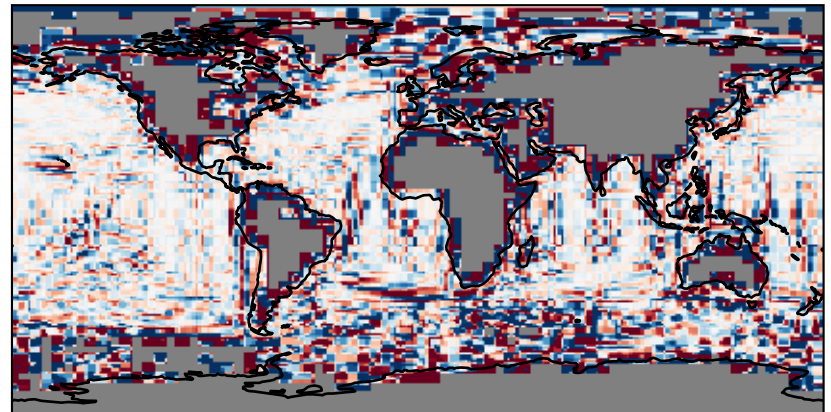
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



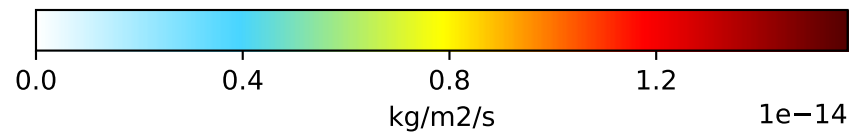
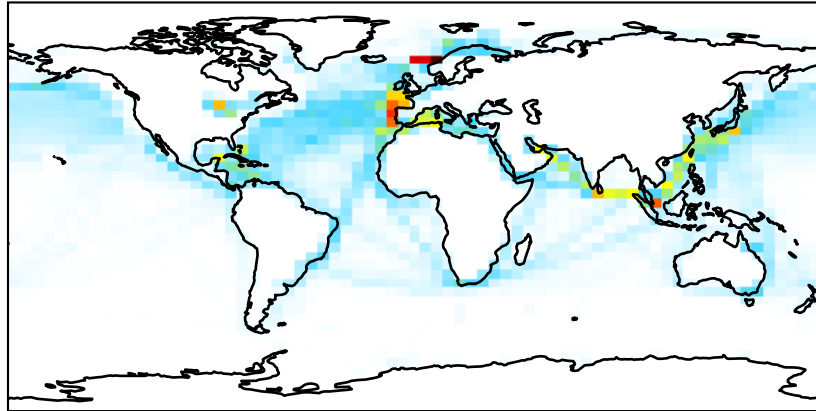
Ratio (1x1.25)  
Dev/Ref, Fixed Range



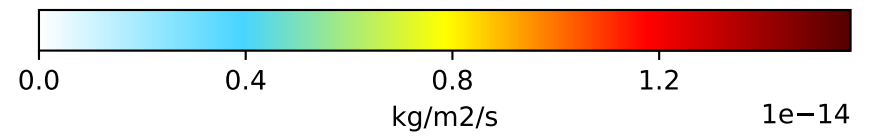
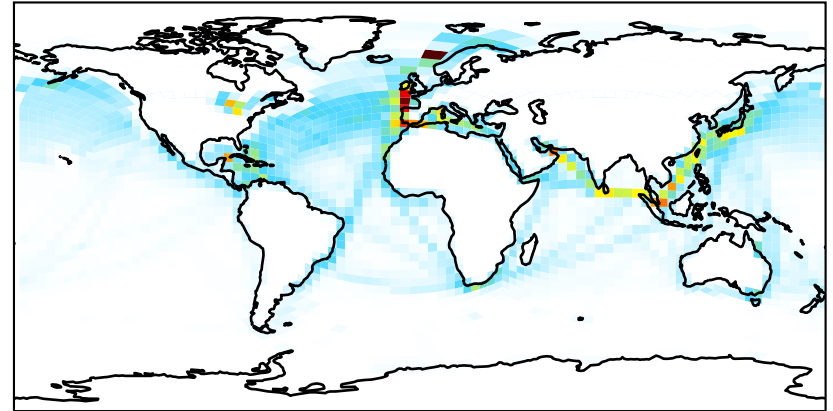


# EmispFe\_Ship

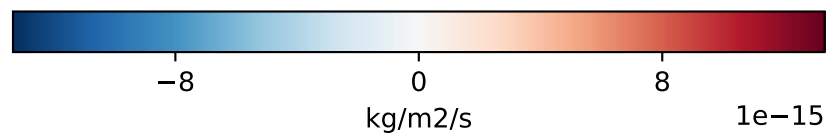
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



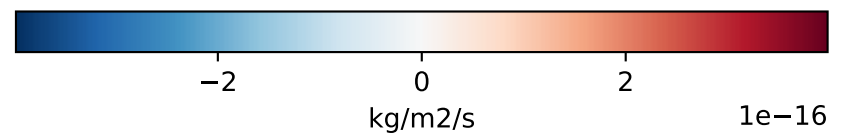
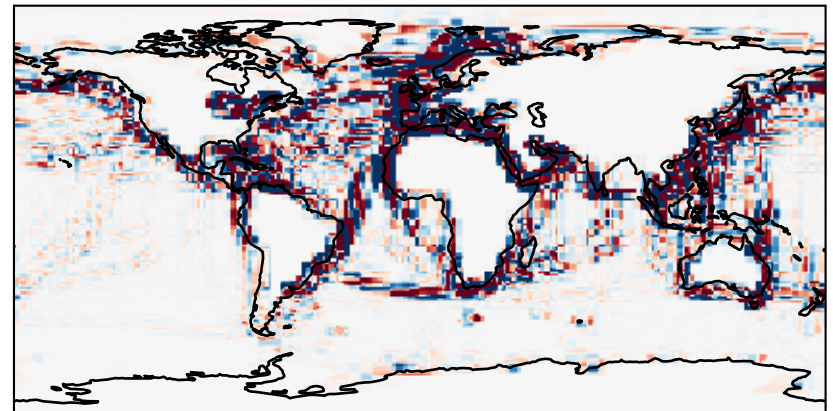
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



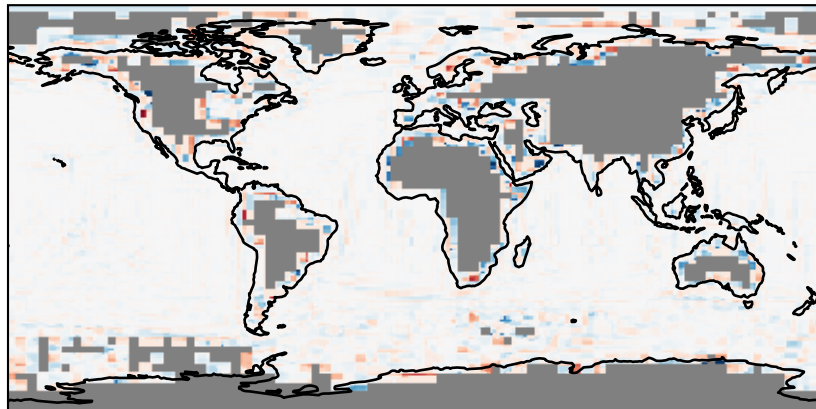
Difference (1x1.25)  
Dev - Ref, Dynamic Range



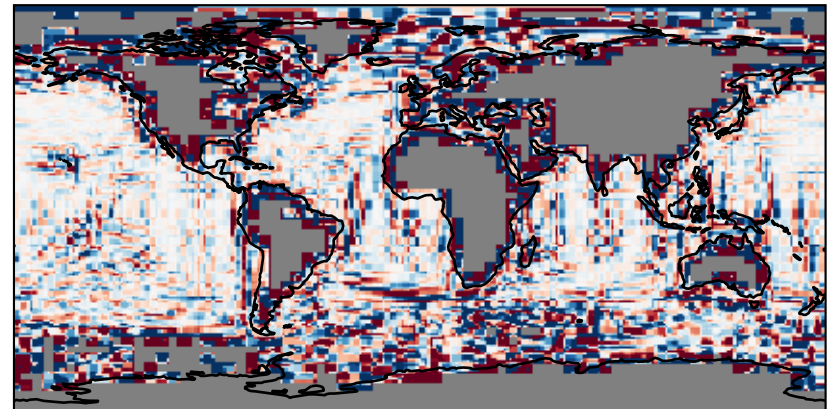
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

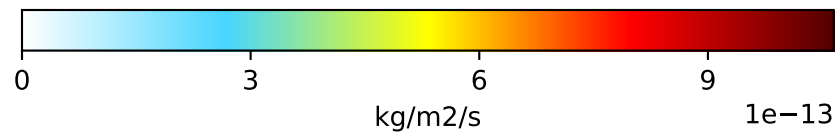
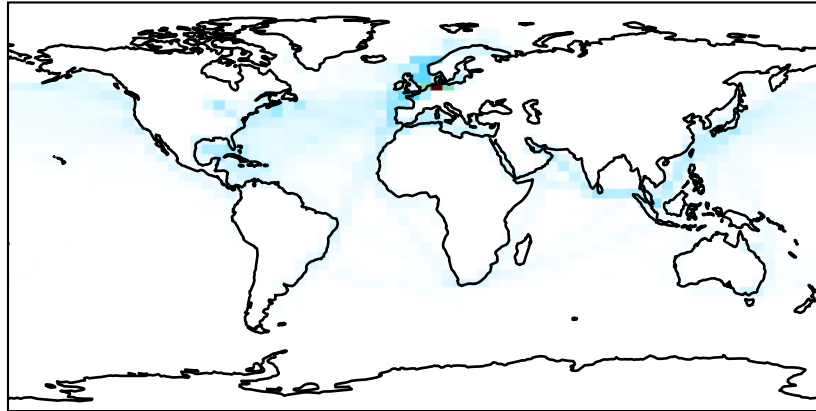


Ratio (1x1.25)  
Dev/Ref, Fixed Range

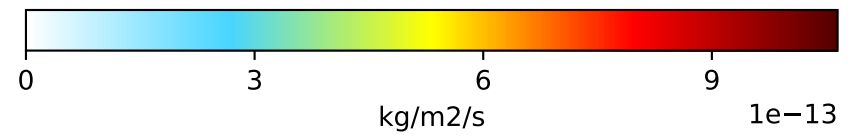
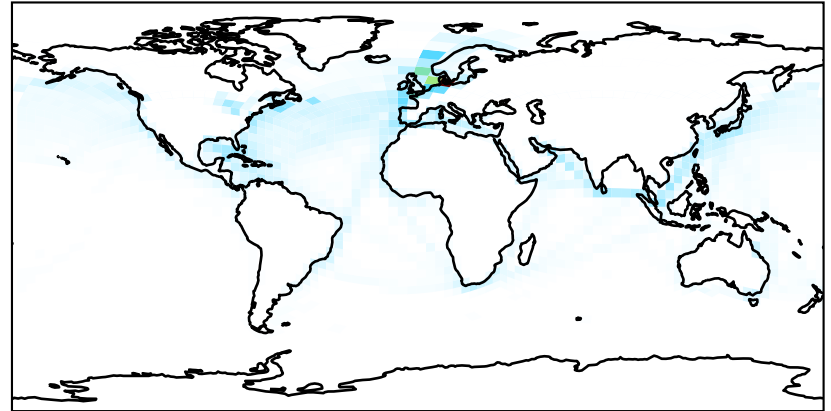


# EmisPRPE\_Ship

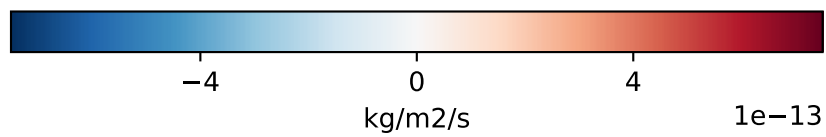
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



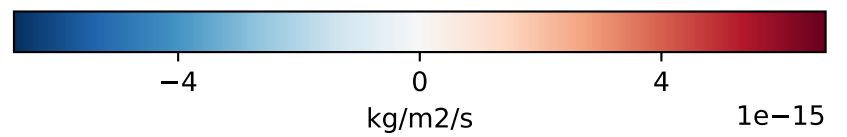
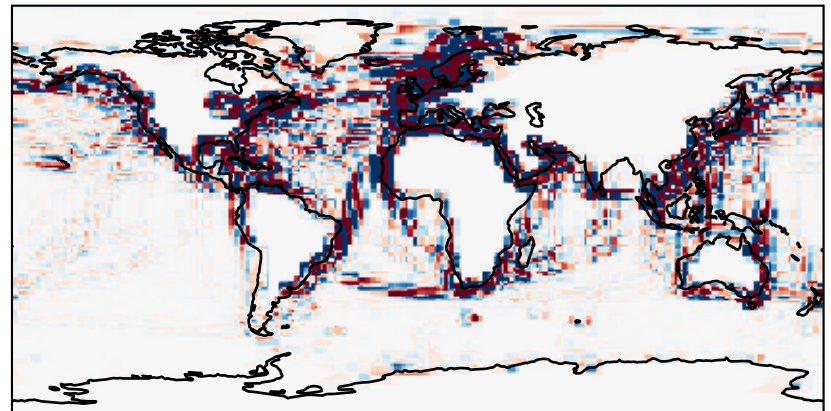
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



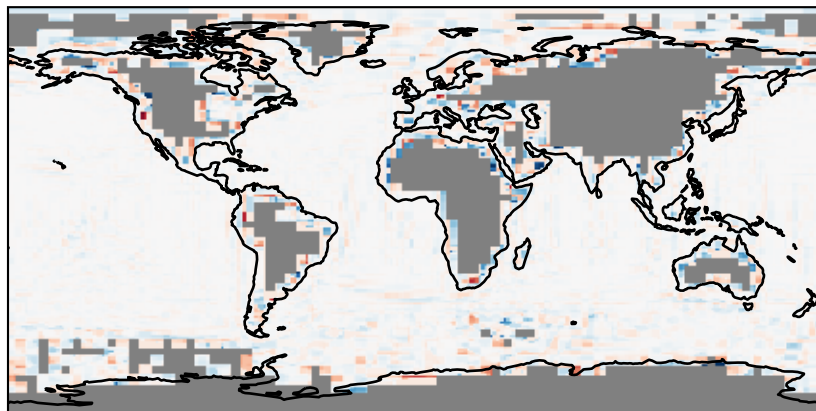
Difference (1x1.25)  
Dev - Ref, Dynamic Range



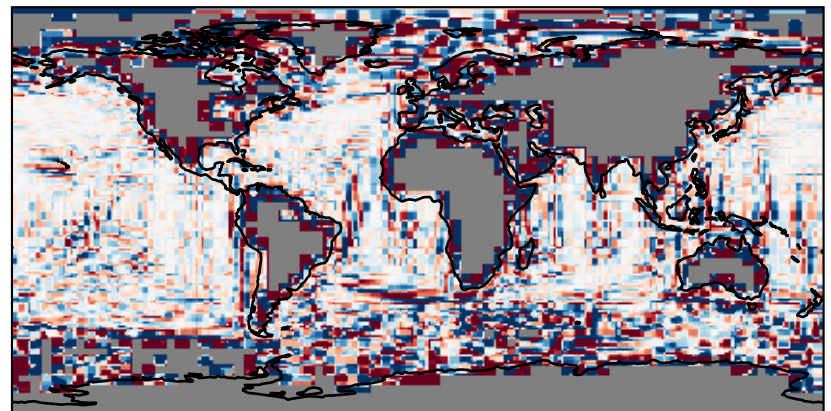
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



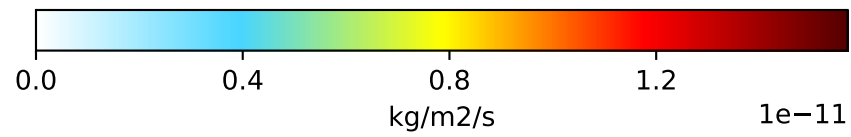
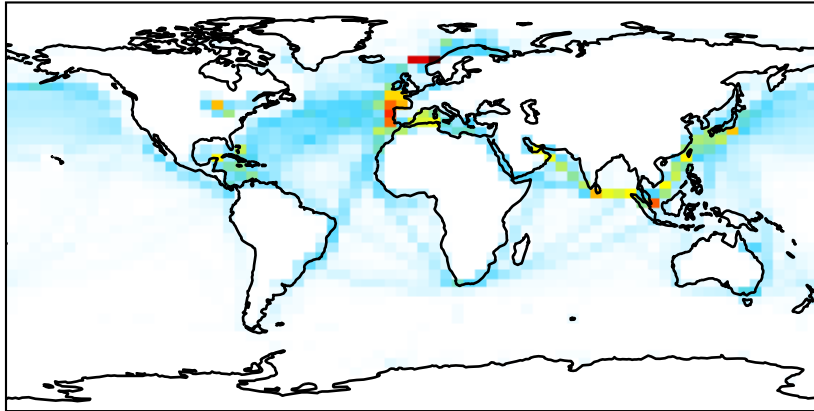
Ratio (1x1.25)  
Dev/Ref, Fixed Range



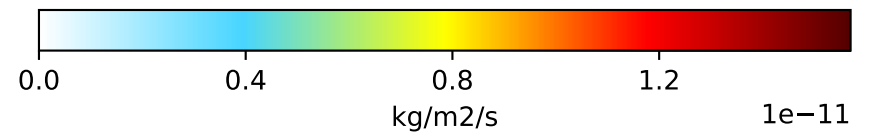
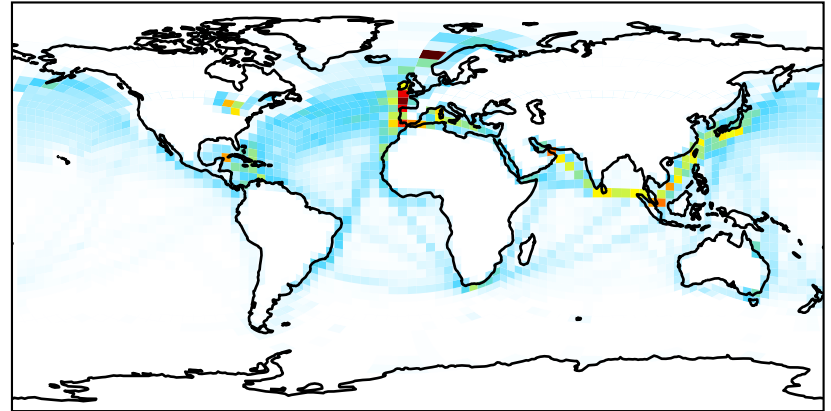


# EmisSO2\_Ship

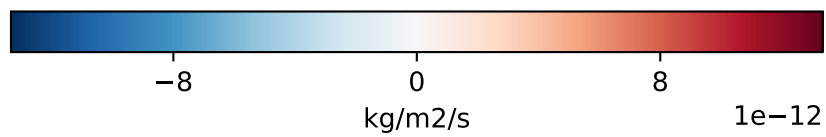
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



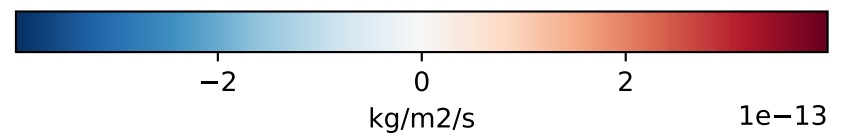
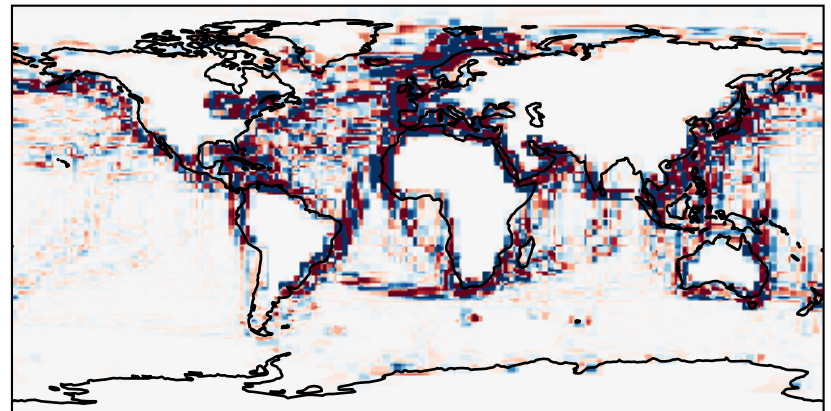
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



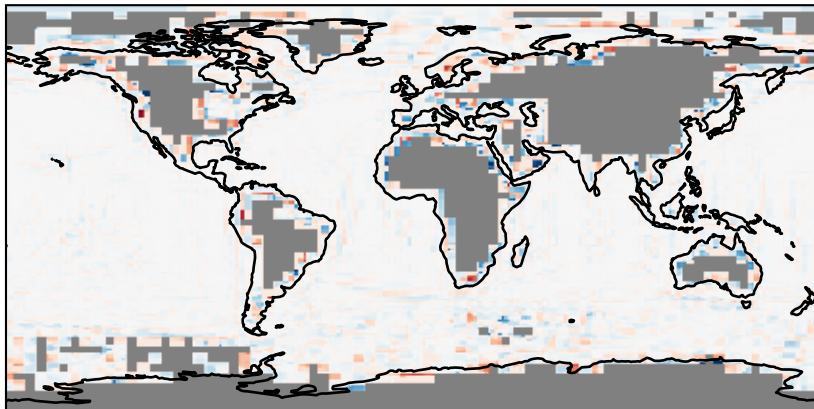
Difference (1x1.25)  
Dev - Ref, Dynamic Range



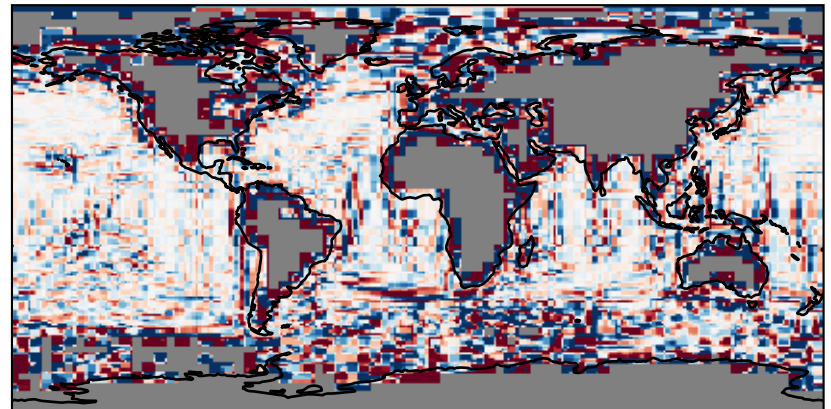
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



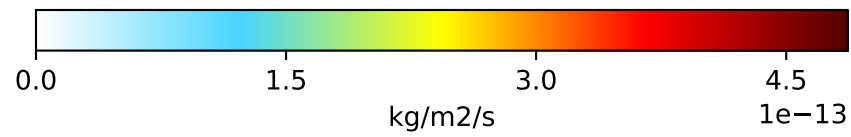
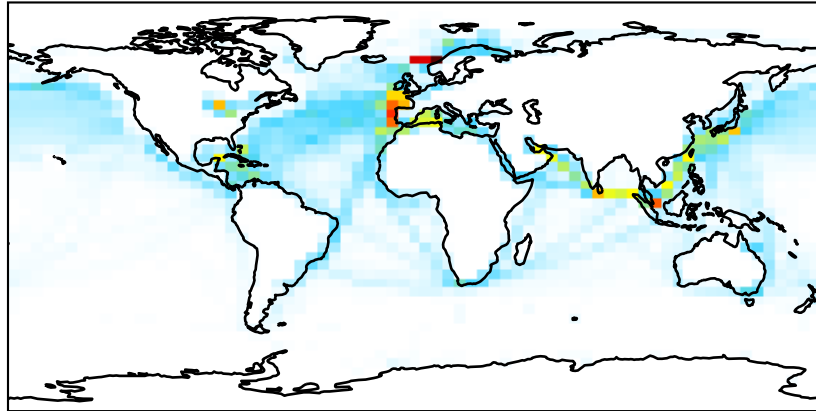
Ratio (1x1.25)  
Dev/Ref, Fixed Range



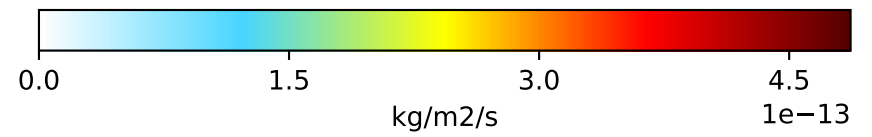
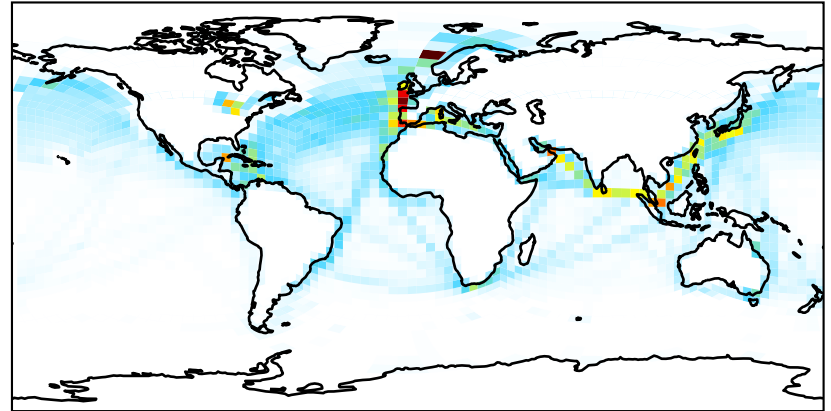


# EmisSO4\_Ship

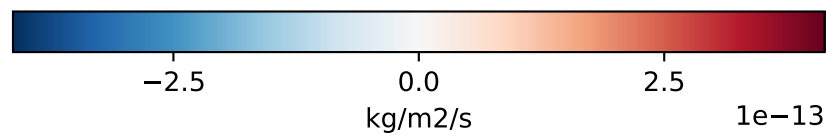
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



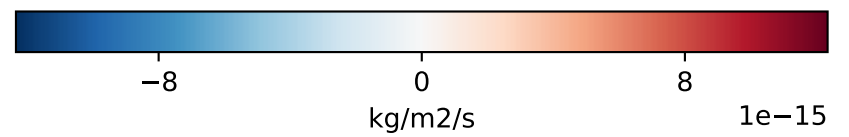
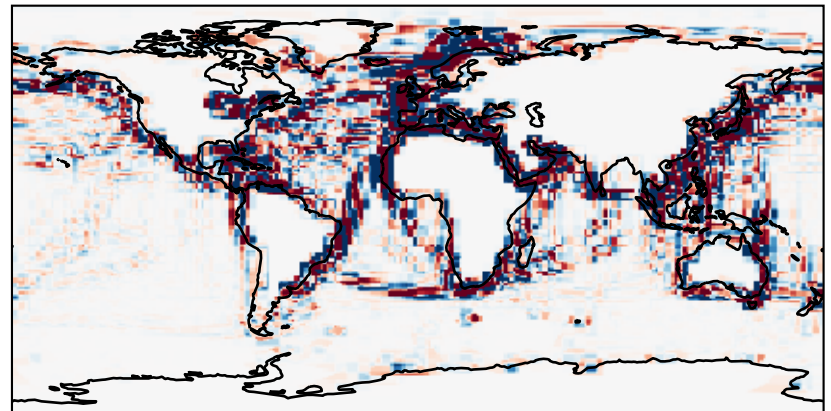
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



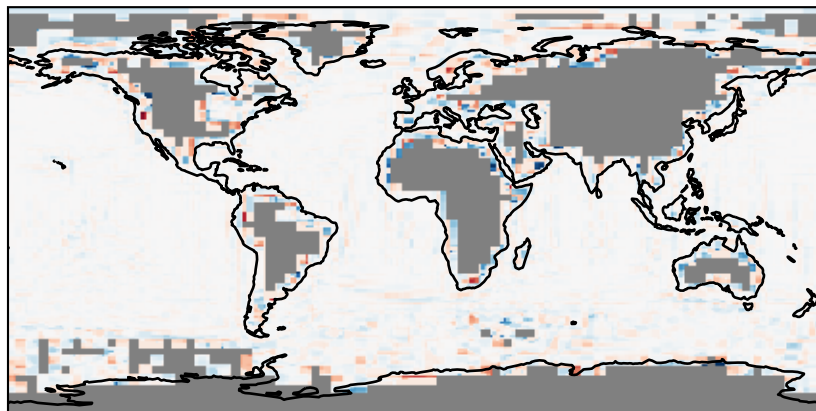
Difference (1x1.25)  
Dev - Ref, Dynamic Range



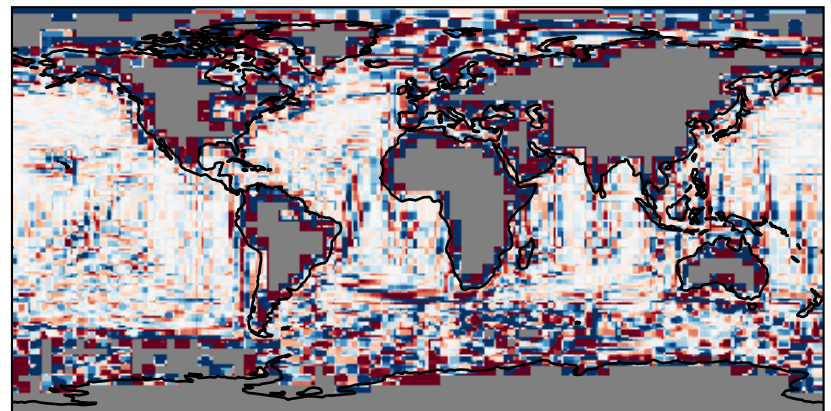
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

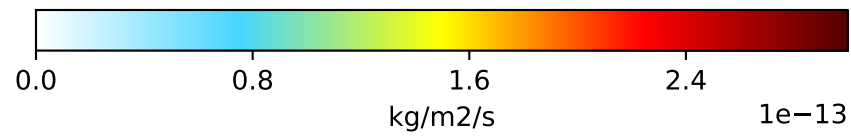
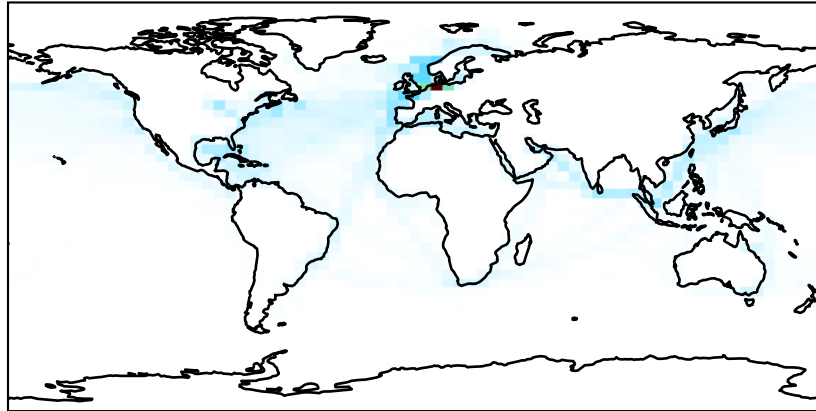


Ratio (1x1.25)  
Dev/Ref, Fixed Range

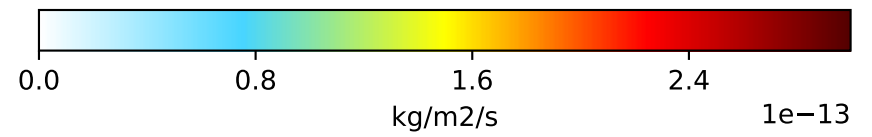
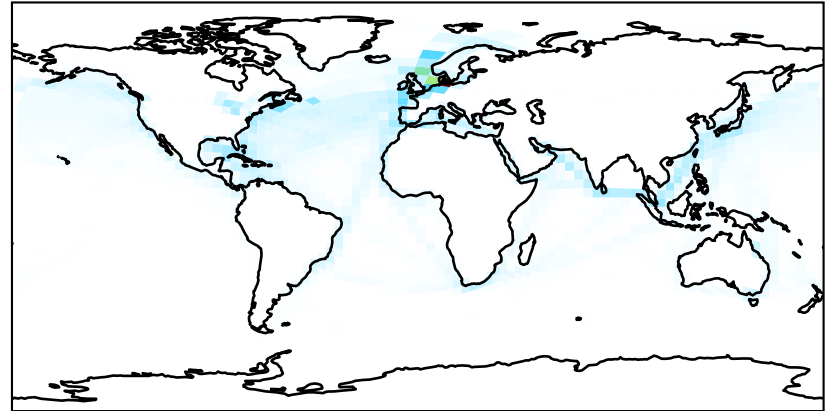


# EmisSOAP\_Ship

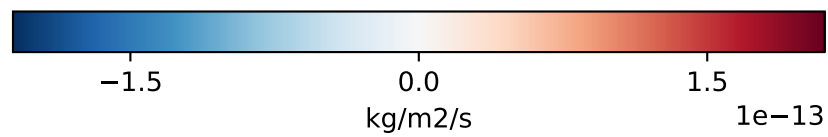
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



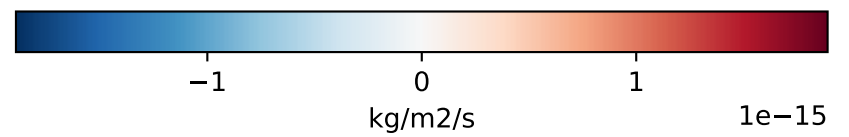
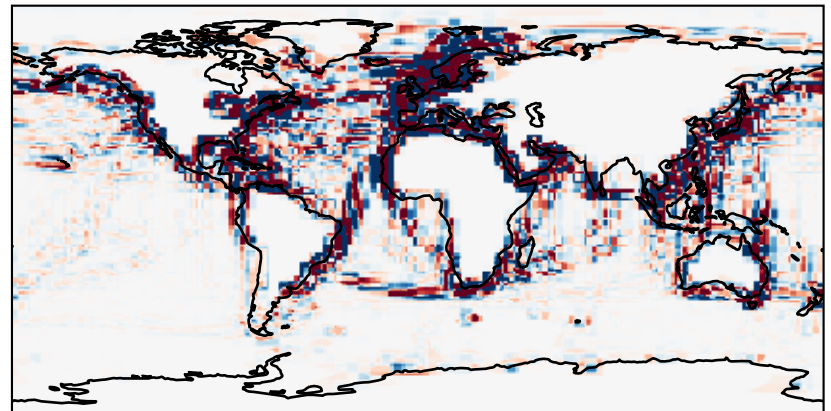
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



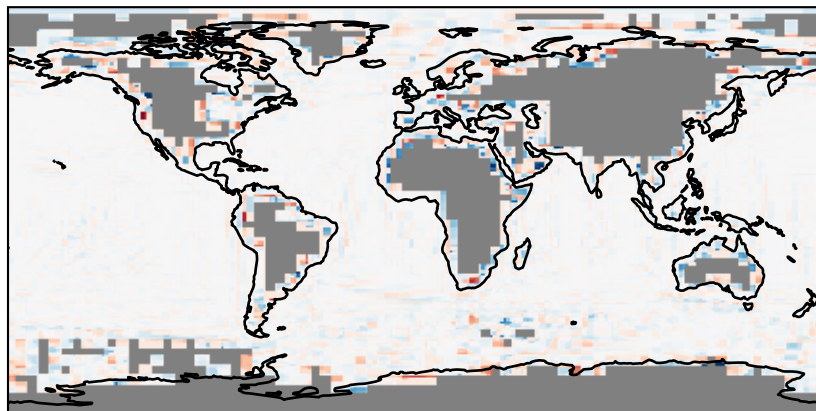
Difference (1x1.25)  
Dev - Ref, Dynamic Range



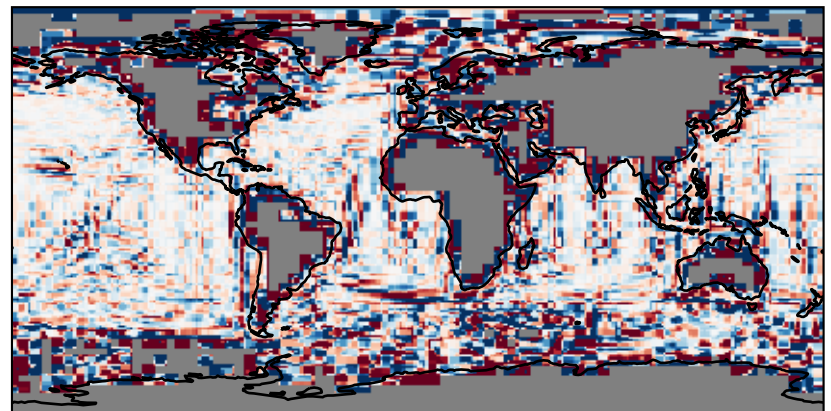
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



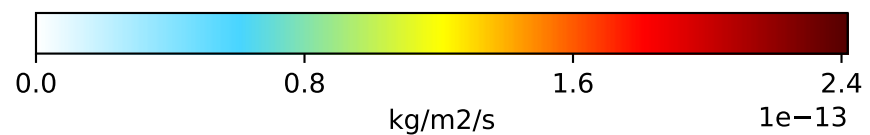
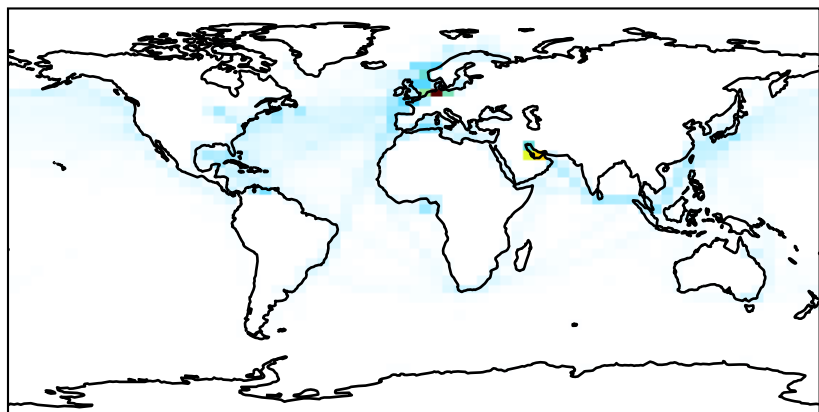
Ratio (1x1.25)  
Dev/Ref, Fixed Range



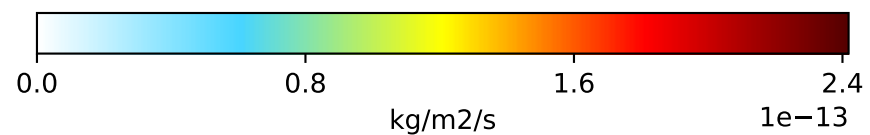
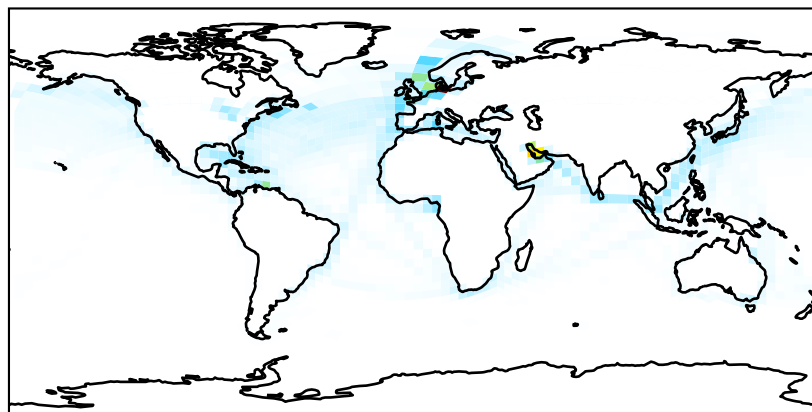


# EmisTOLU\_Ship

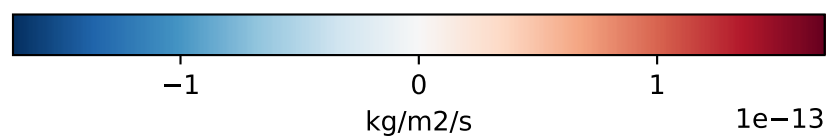
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



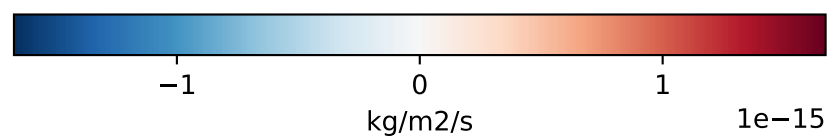
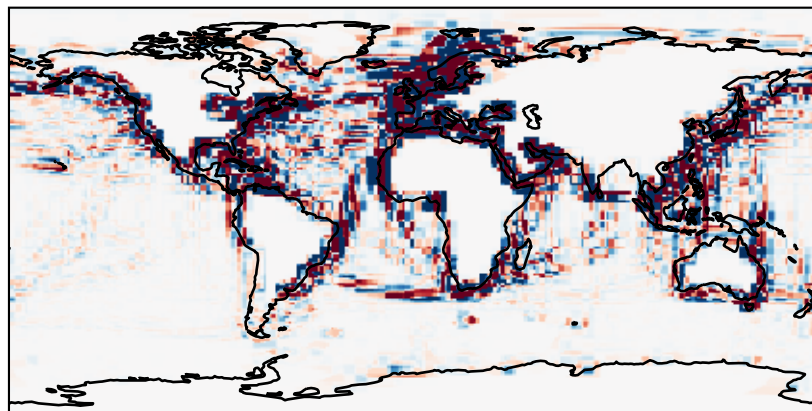
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



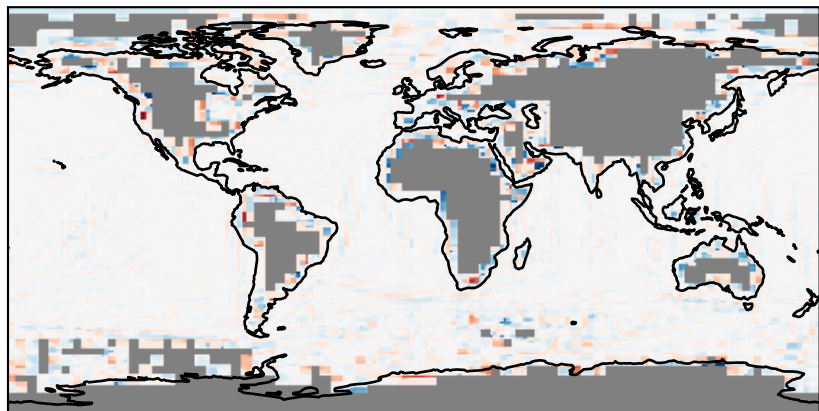
Difference (1x1.25)  
Dev - Ref, Dynamic Range



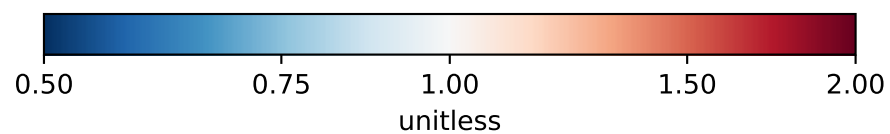
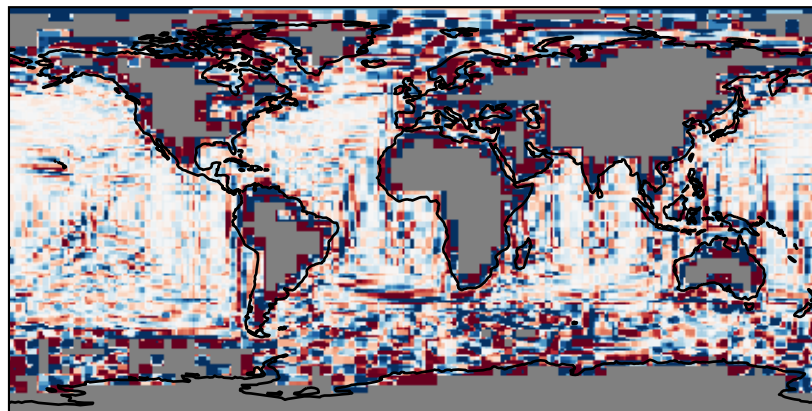
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



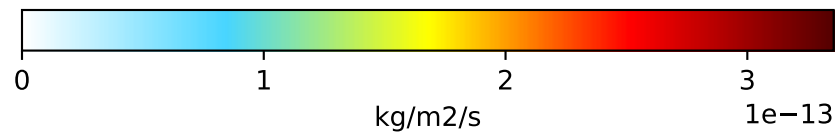
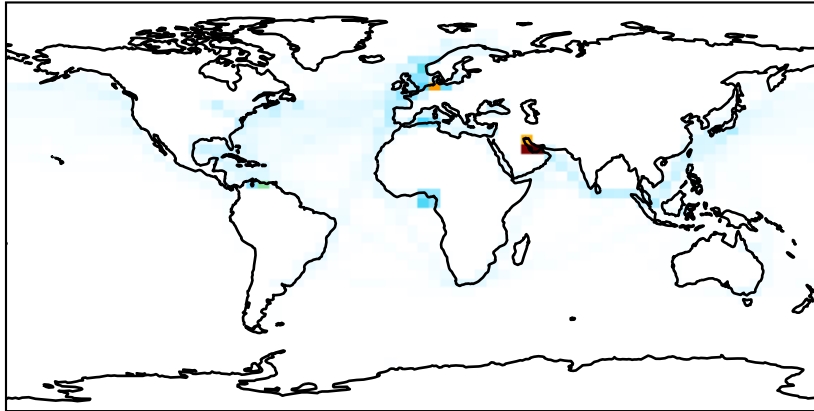
Ratio (1x1.25)  
Dev/Ref, Fixed Range



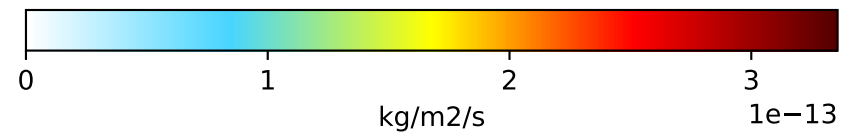
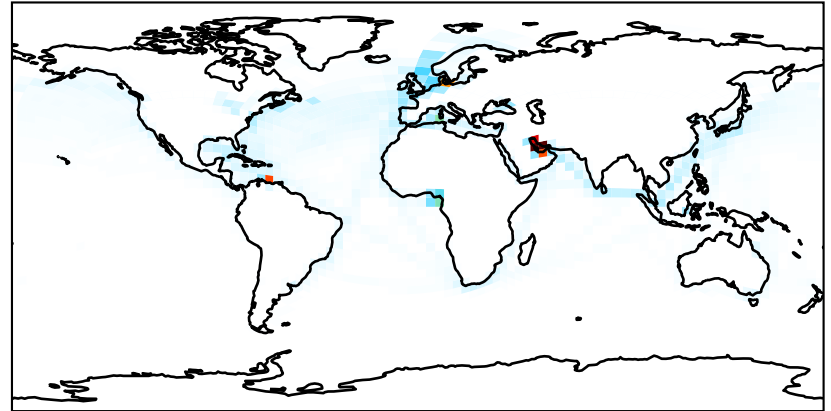


# EmisXYLE\_Ship

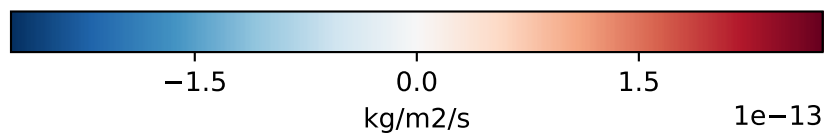
GCC\_14.2.0\_GEOS-FP (Ref)  
4.0x5.0



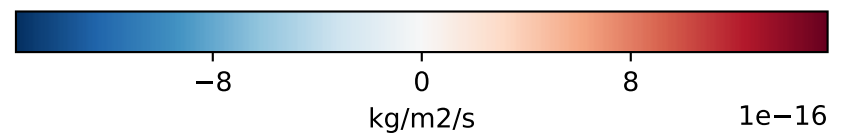
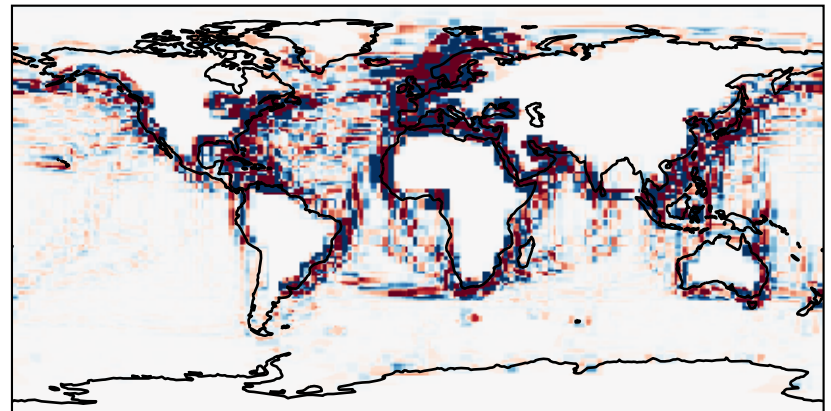
GCHP\_14.2.0\_GEOS-FP (Dev)  
c24



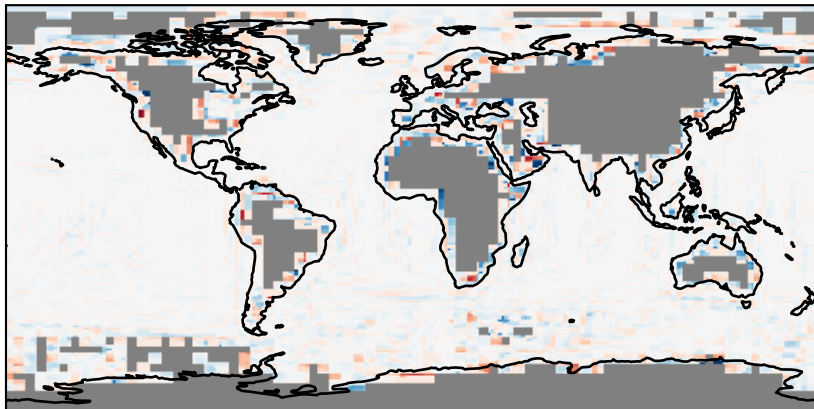
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



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

