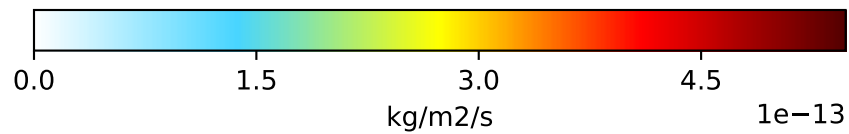
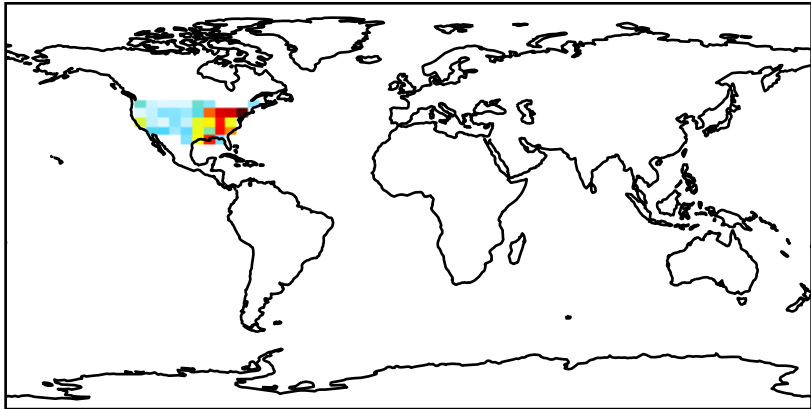
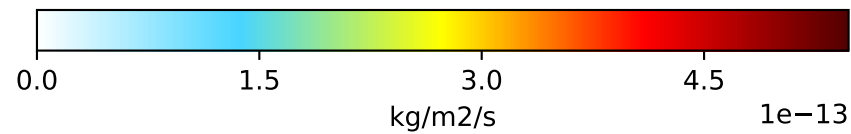
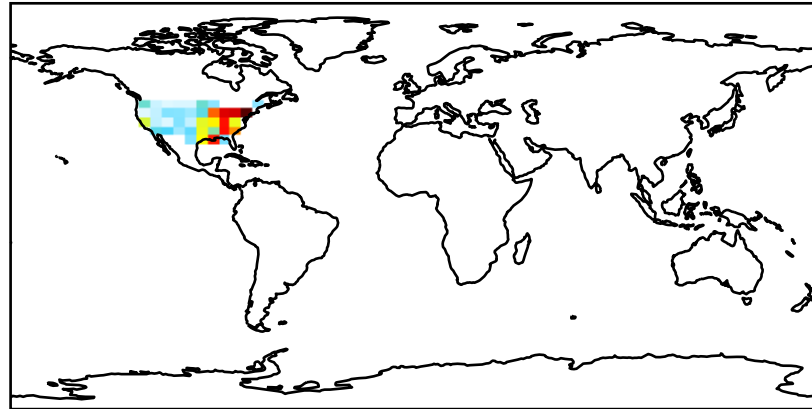


# EmisHNO2\_Anthro

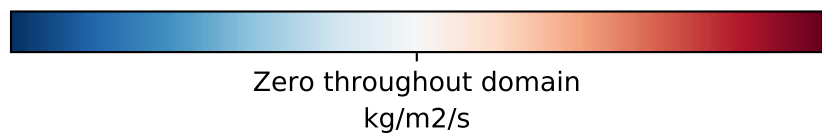
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



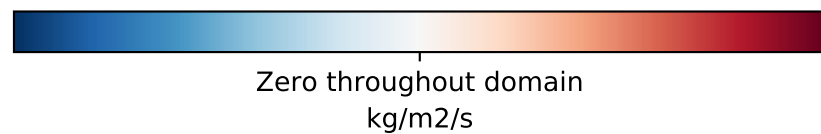
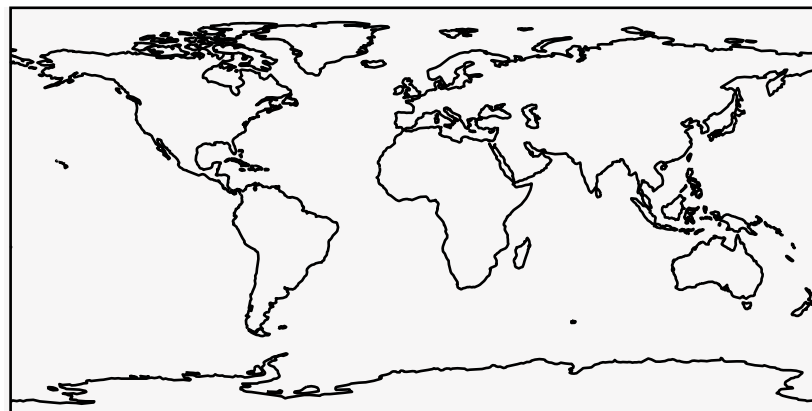
GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



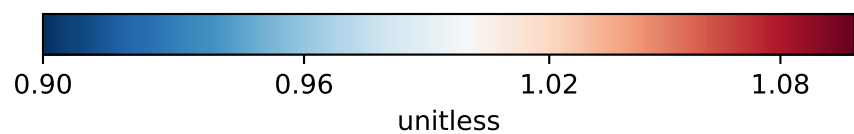
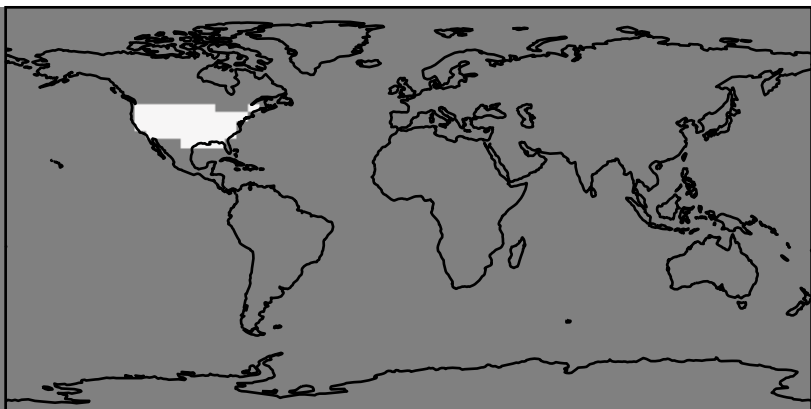
Difference  
Dev - Ref, Dynamic Range



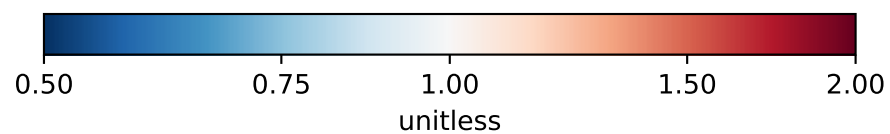
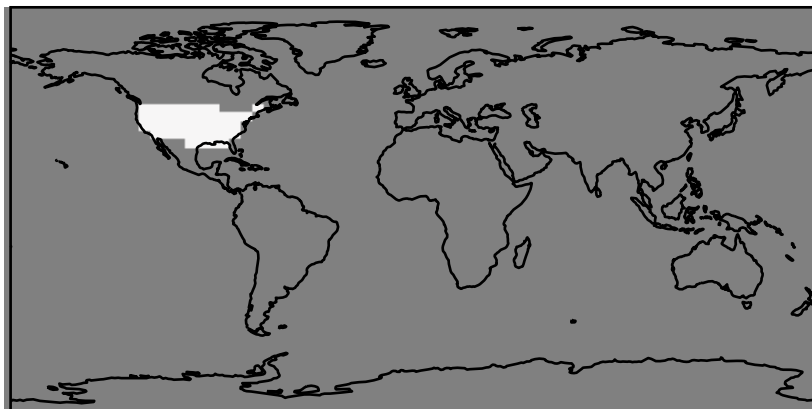
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

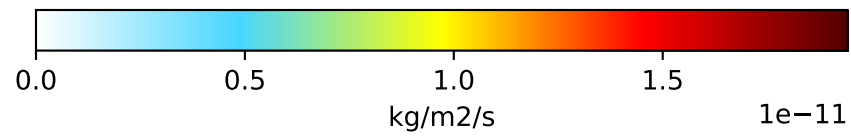
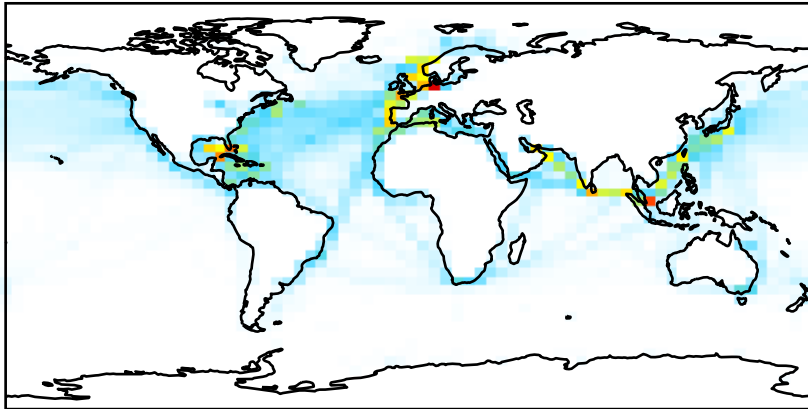


Ratio  
Dev/Ref, Fixed Range

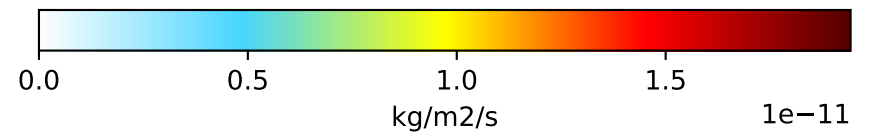
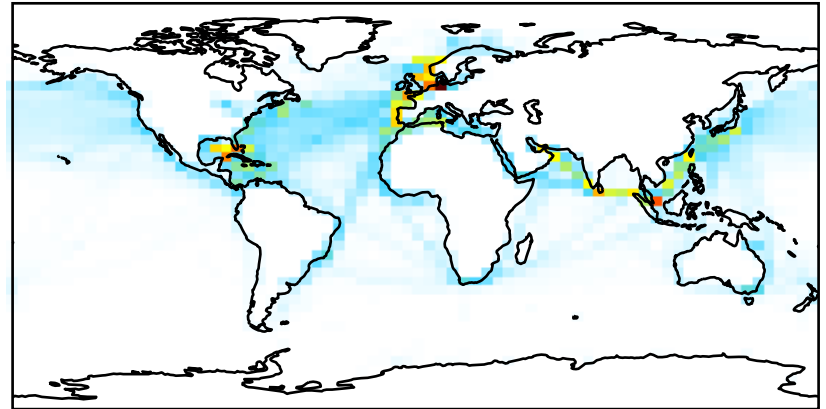


# EmisHNO3\_Ship

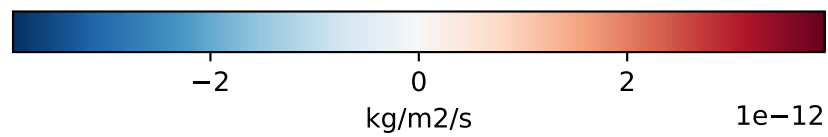
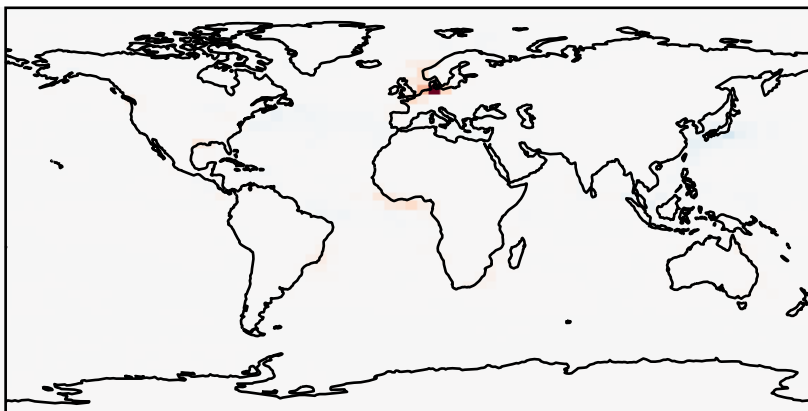
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



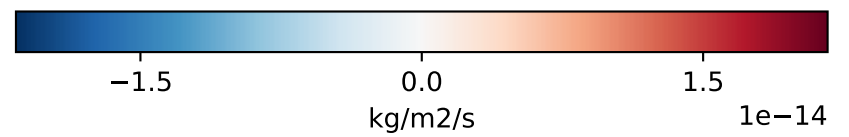
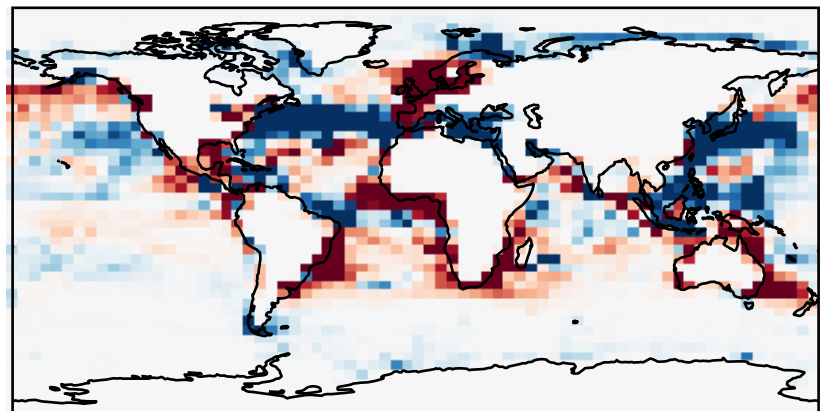
GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



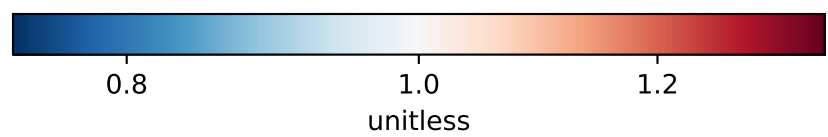
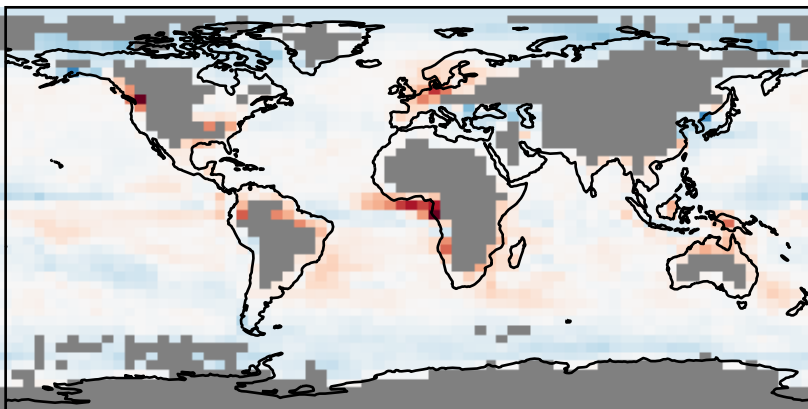
Difference  
Dev - Ref, Dynamic Range



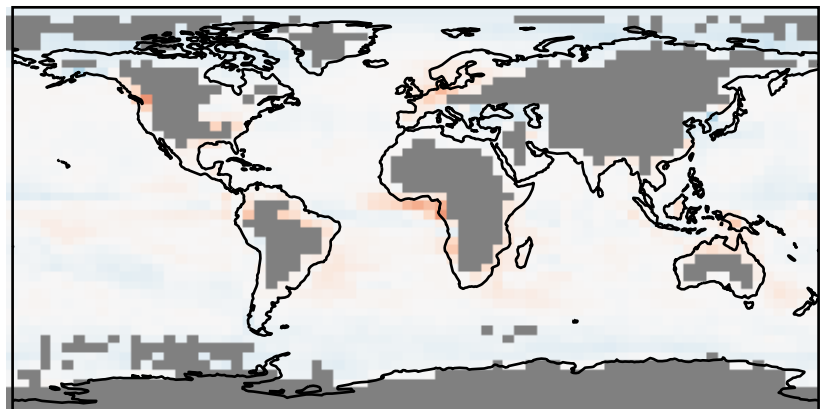
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

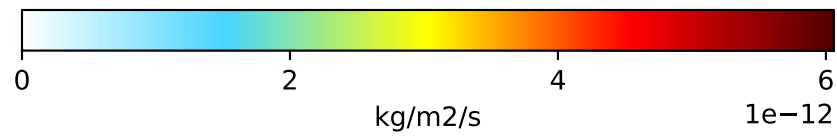
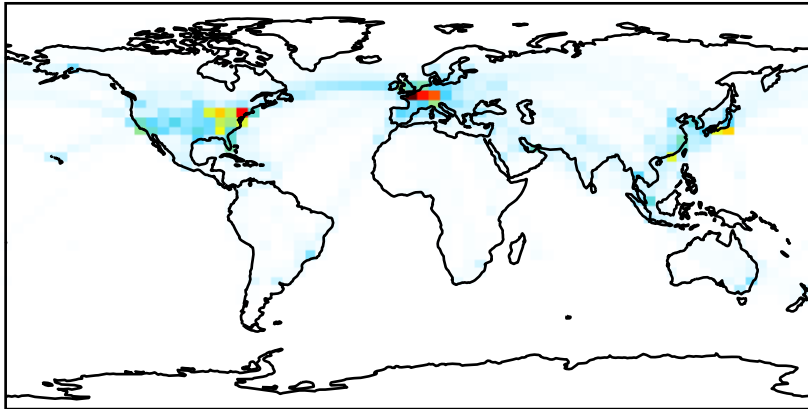


Ratio  
Dev/Ref, Fixed Range

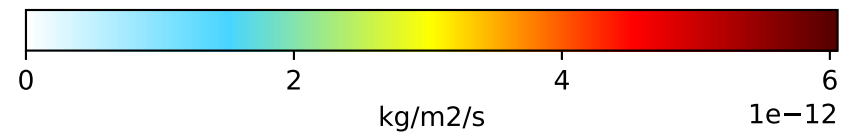
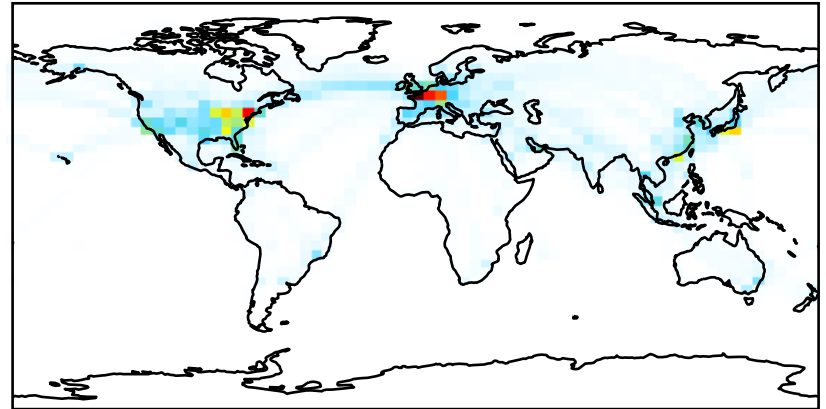


# EmisNO\_Aircraft

GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



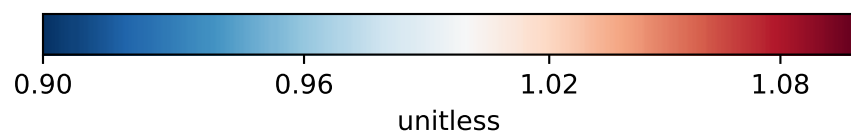
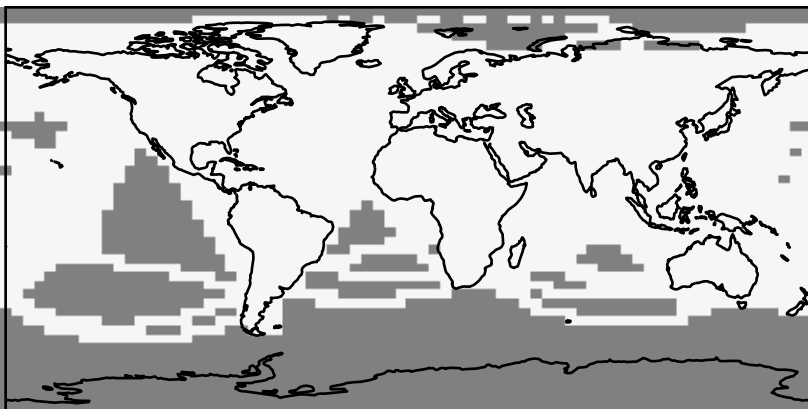
Difference  
Dev - Ref, Dynamic Range



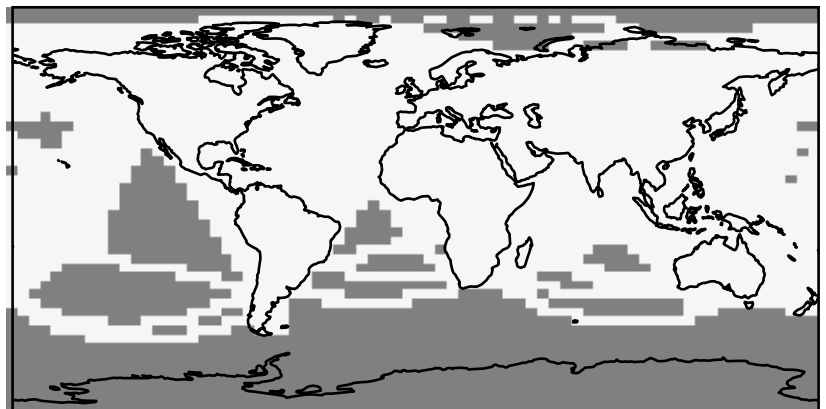
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

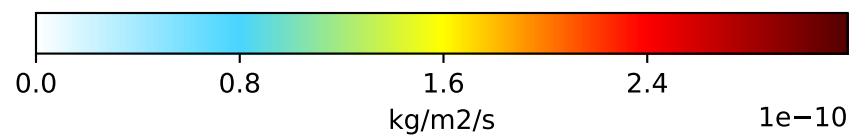
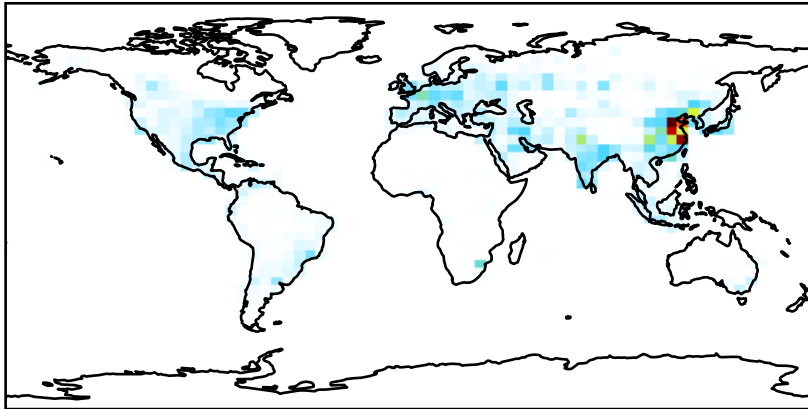


Ratio  
Dev/Ref, Fixed Range

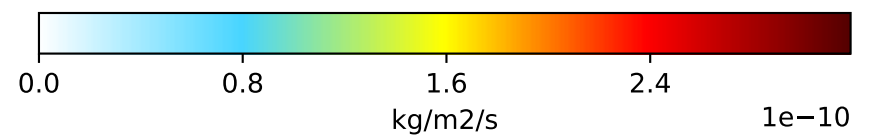
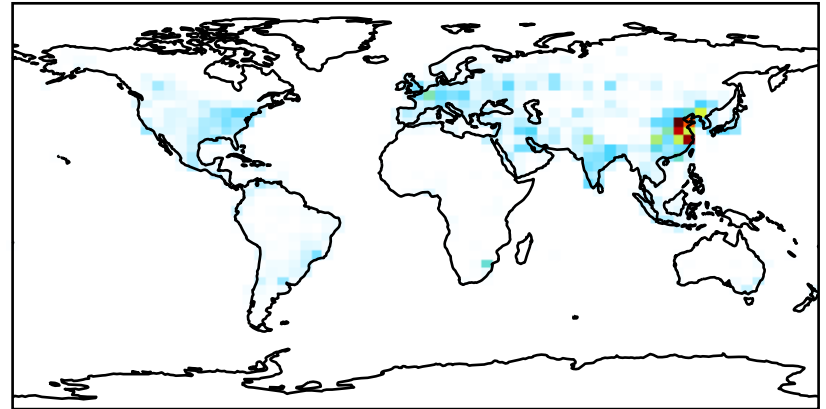


# EmisNO\_Anthro

GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



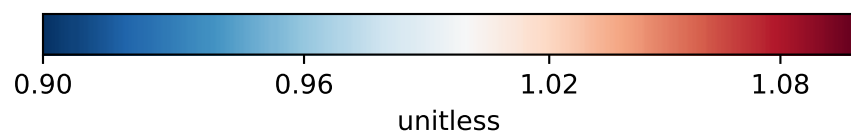
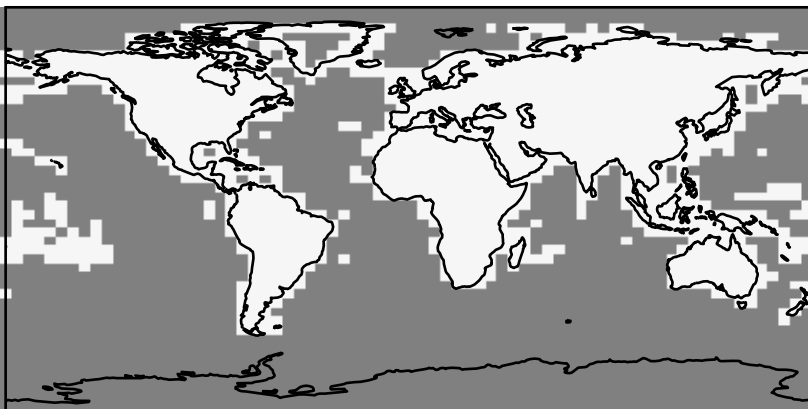
Difference  
Dev - Ref, Dynamic Range



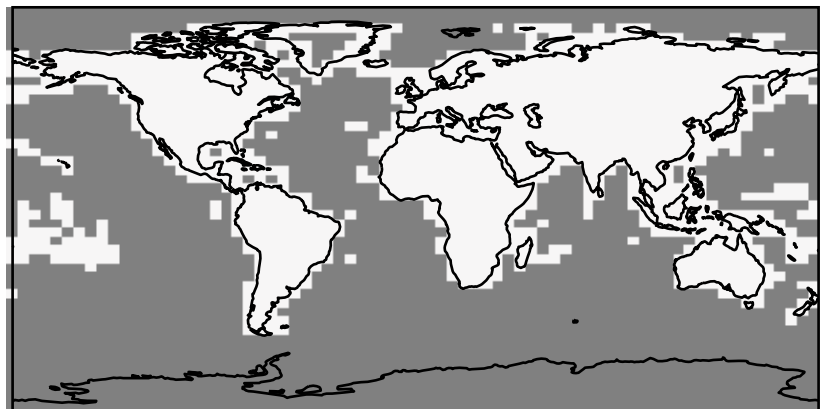
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

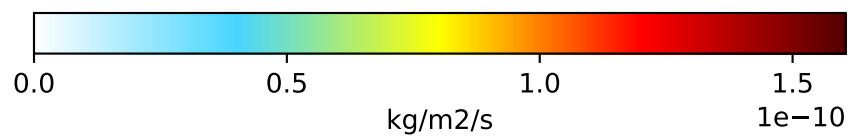
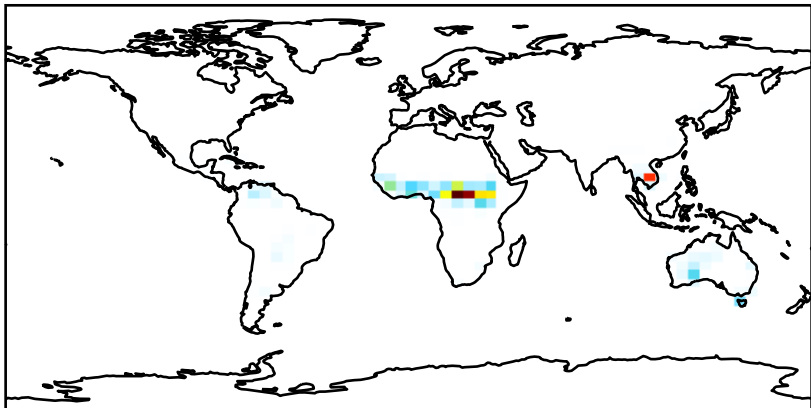


Ratio  
Dev/Ref, Fixed Range

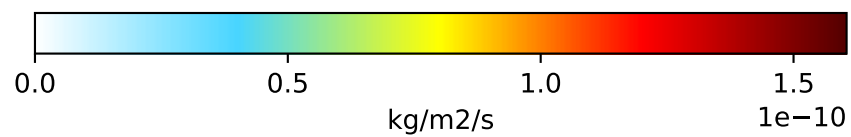
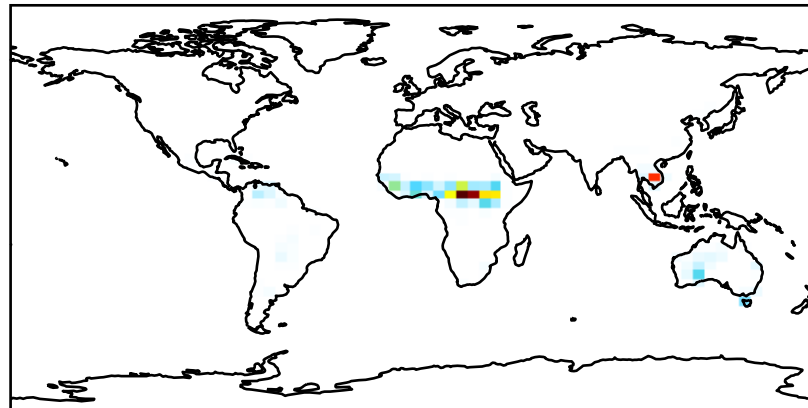


# EmisNO\_BioBurn

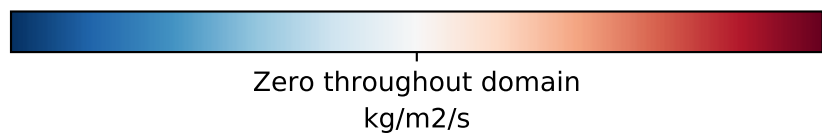
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



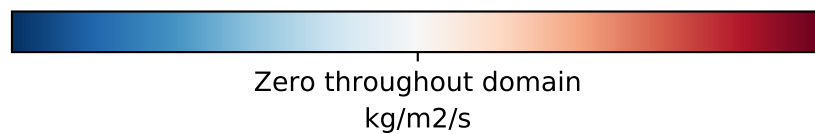
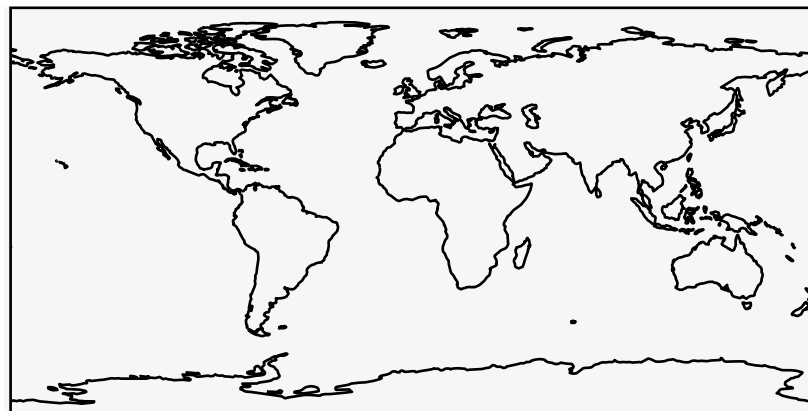
GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



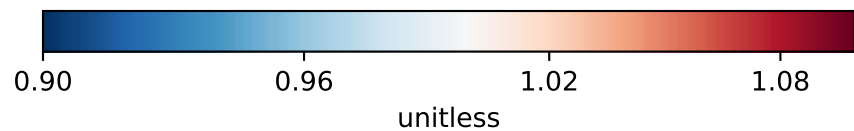
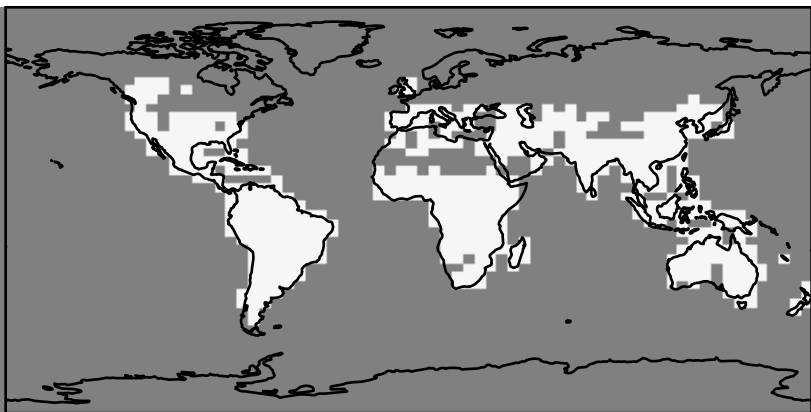
Difference  
Dev - Ref, Dynamic Range



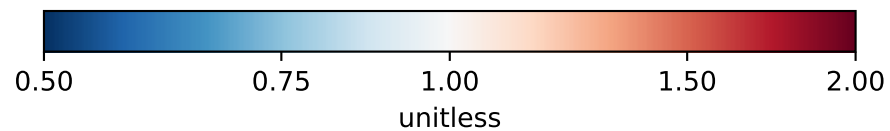
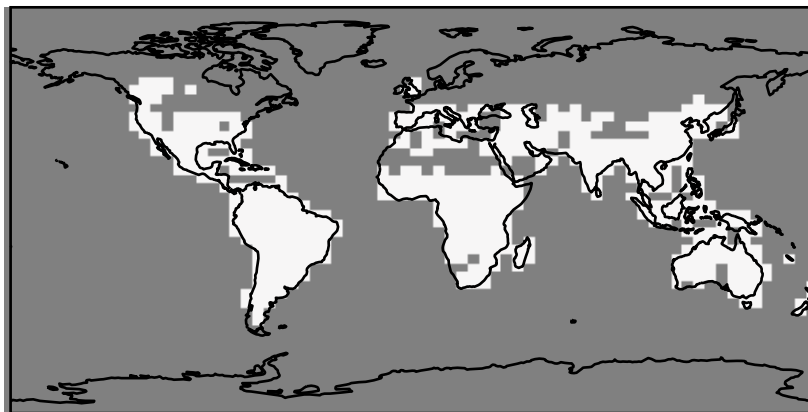
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range





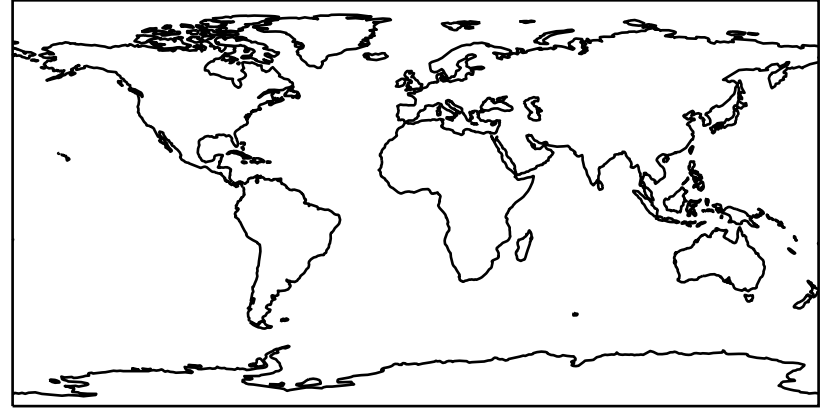
# EmisNO\_Lightning

GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



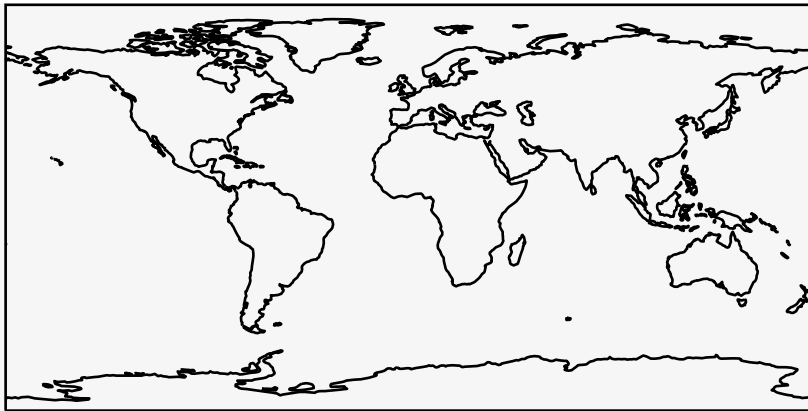
Zero throughout domain  
kg/m2/s

GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



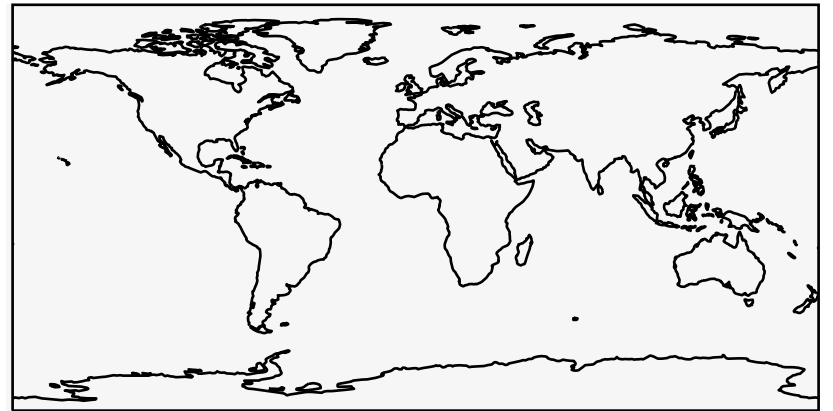
Zero throughout domain  
kg/m2/s

Difference  
Dev - Ref, Dynamic Range



Zero throughout domain  
kg/m2/s

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



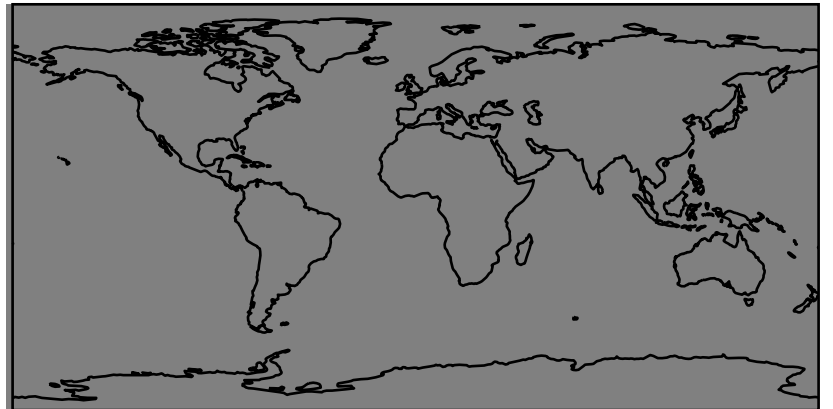
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

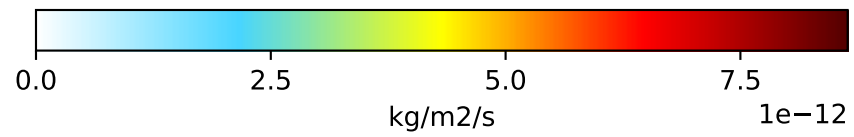
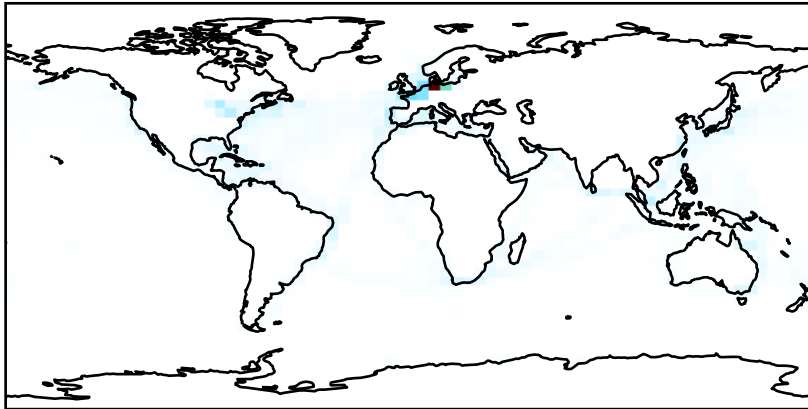
Ratio  
Dev/Ref, Fixed Range



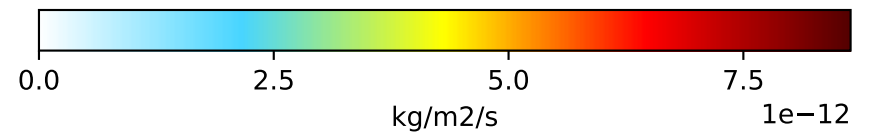
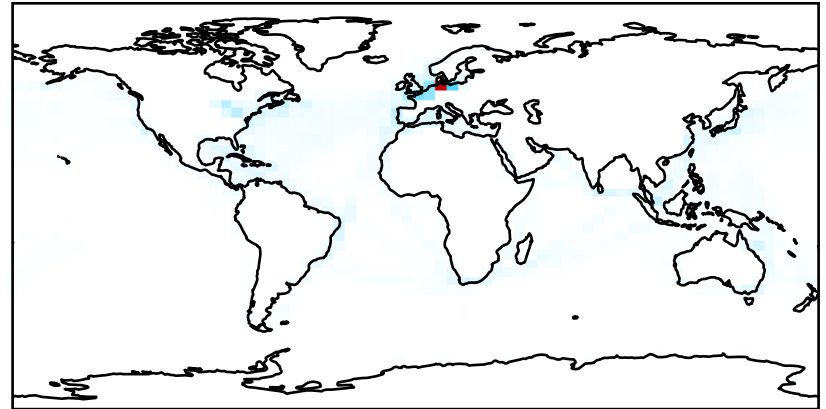
Undefined throughout domain  
unitless

# EmisNO\_Ship

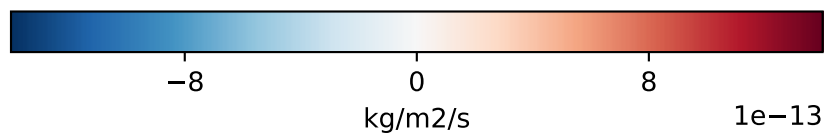
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



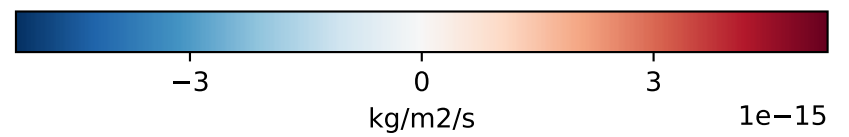
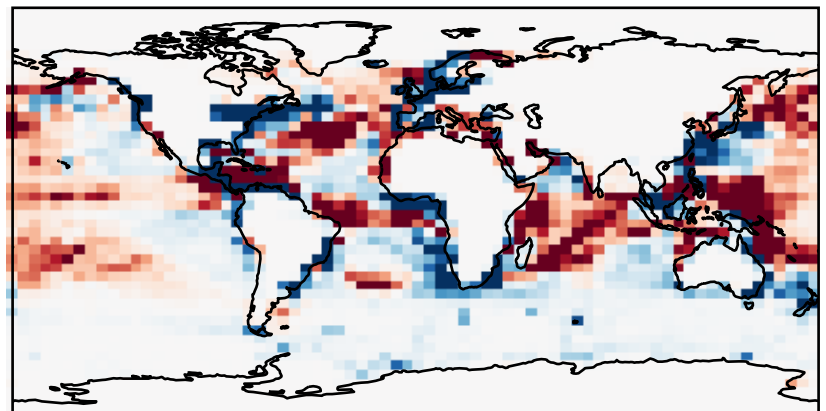
GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



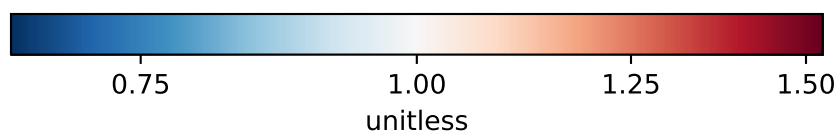
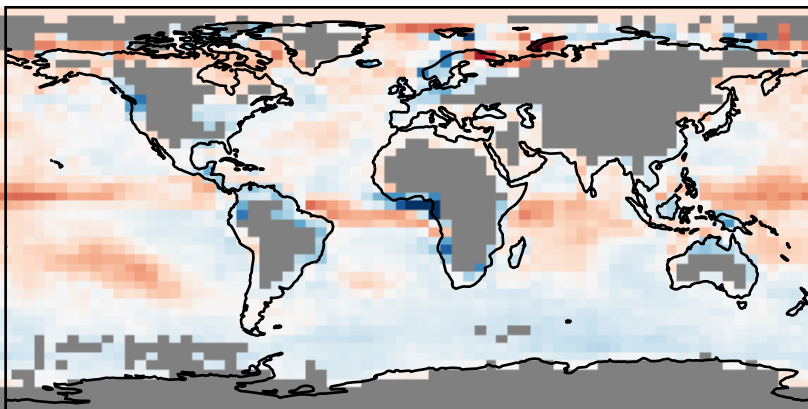
Difference  
Dev - Ref, Dynamic Range



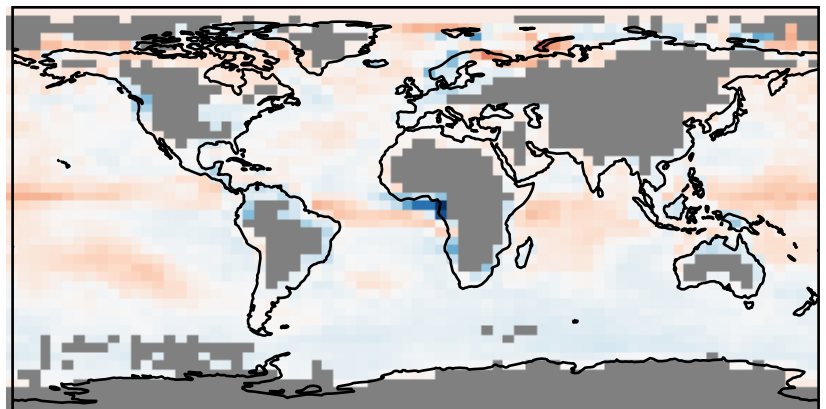
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

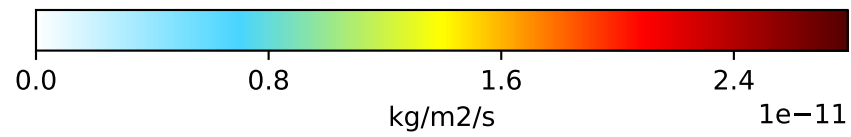
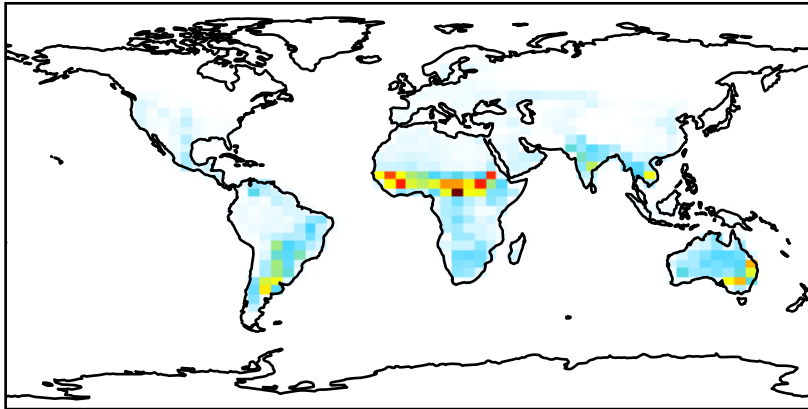


Ratio  
Dev/Ref, Fixed Range

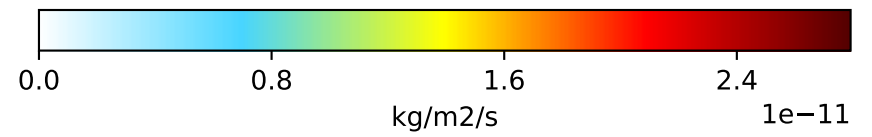
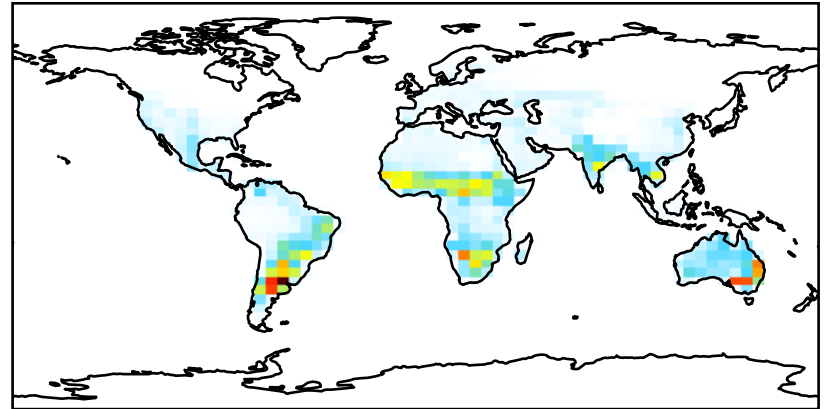


# EmisNO\_Soil

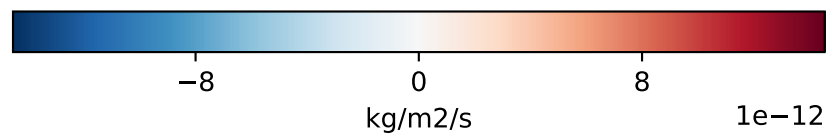
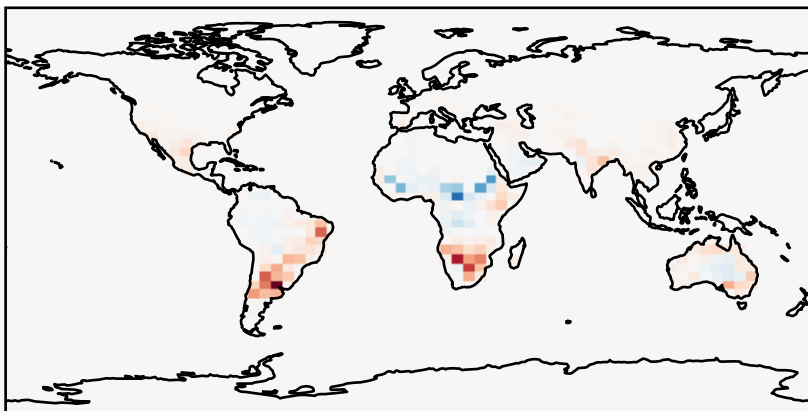
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



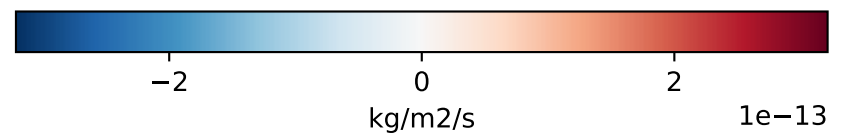
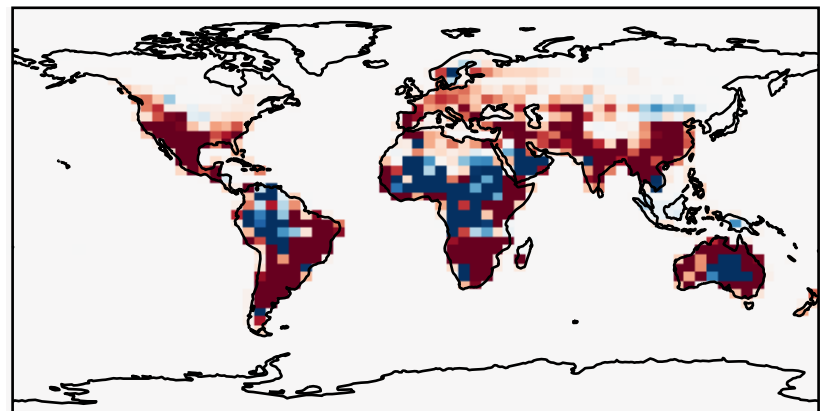
GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



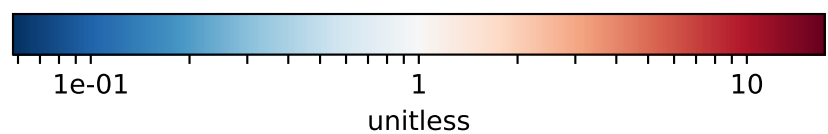
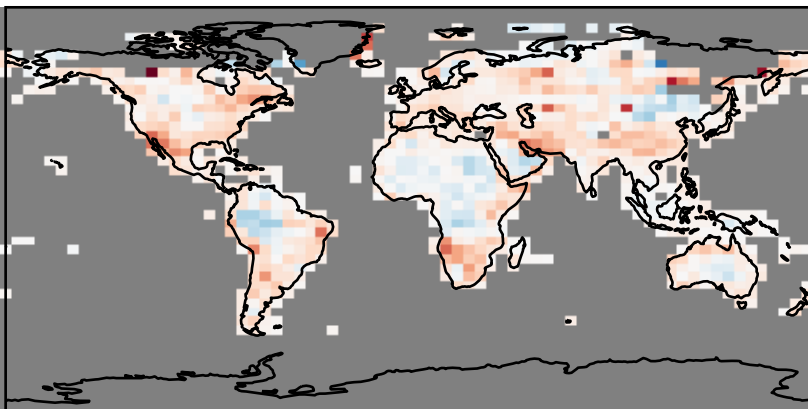
Difference  
Dev - Ref, Dynamic Range



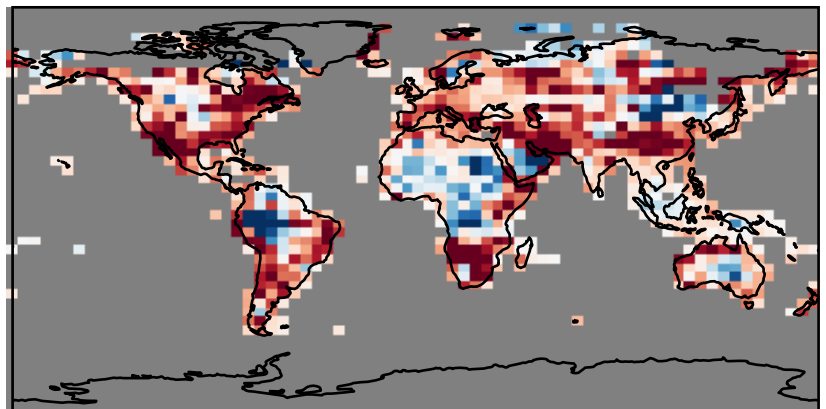
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



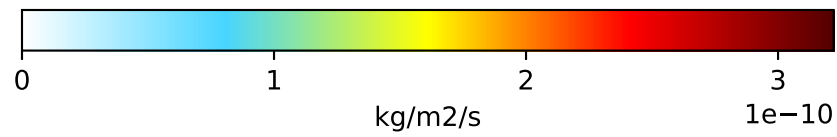
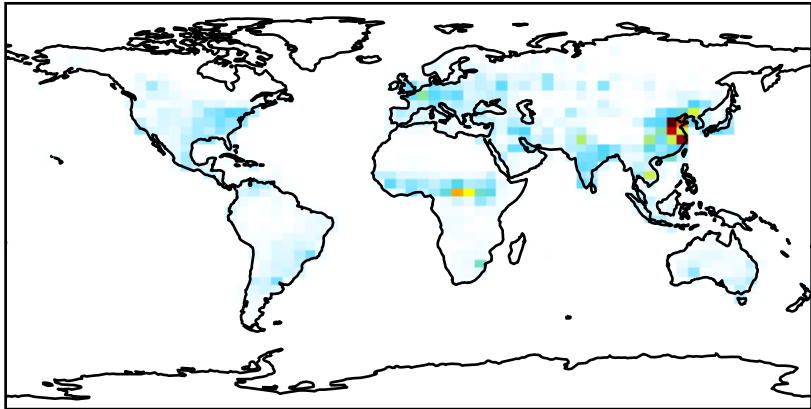
Ratio  
Dev/Ref, Fixed Range



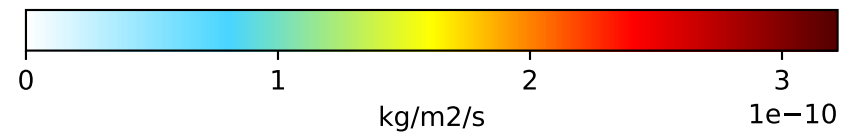
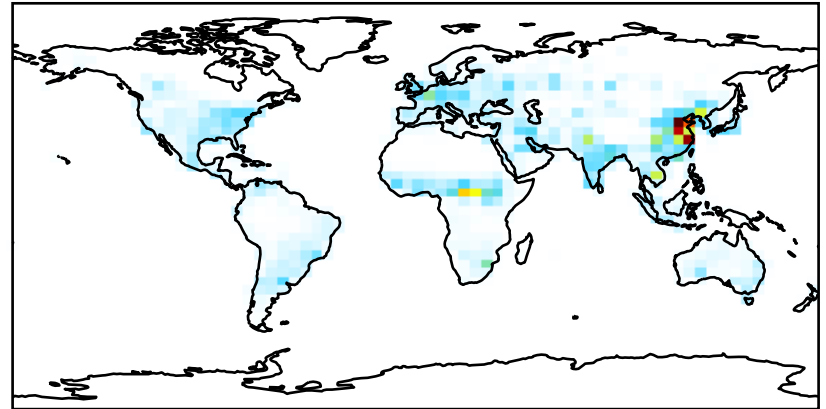


# EmisNO\_Total

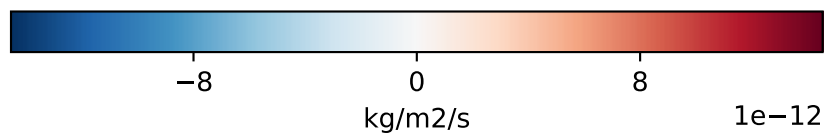
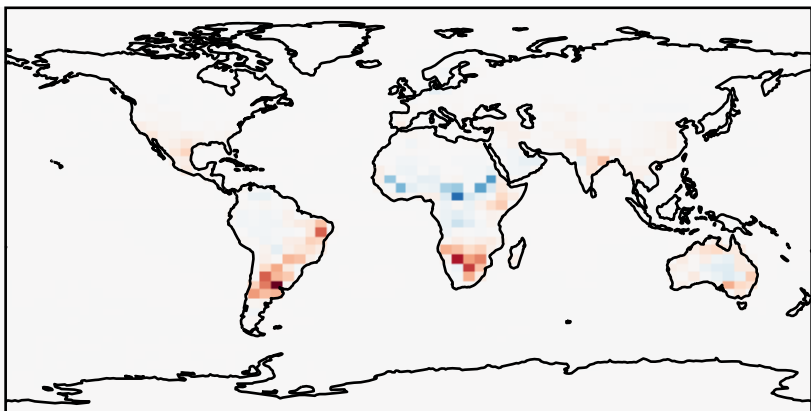
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



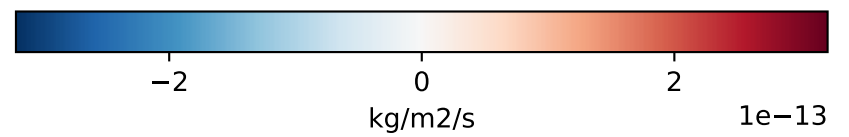
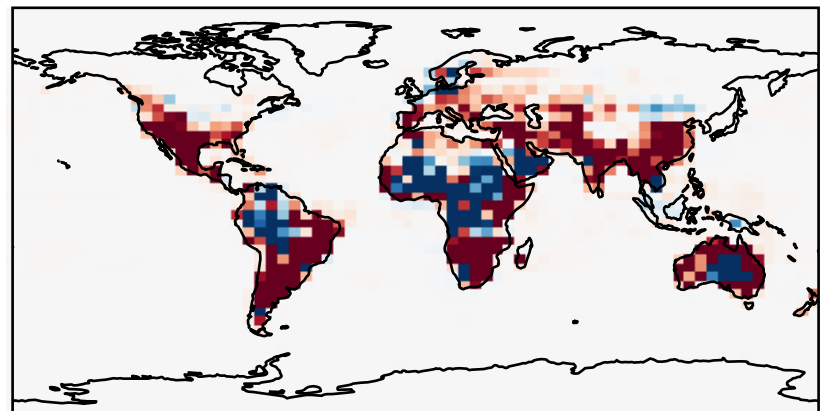
GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



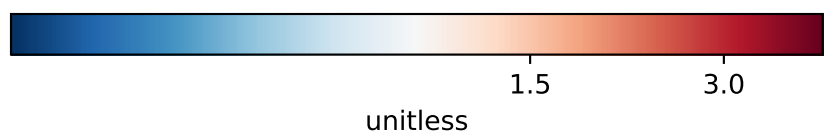
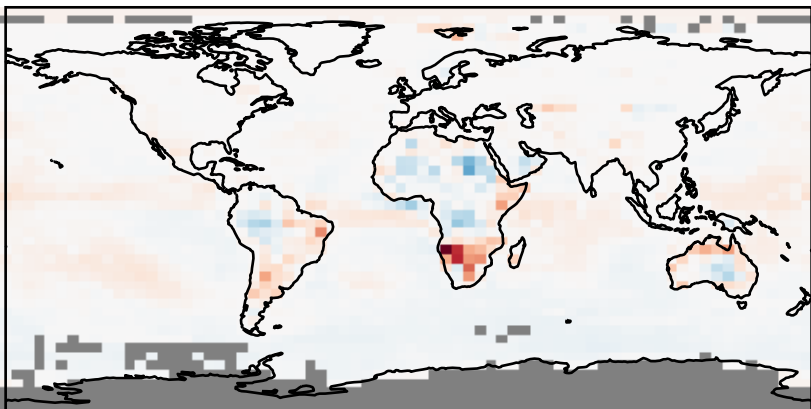
Difference  
Dev - Ref, Dynamic Range



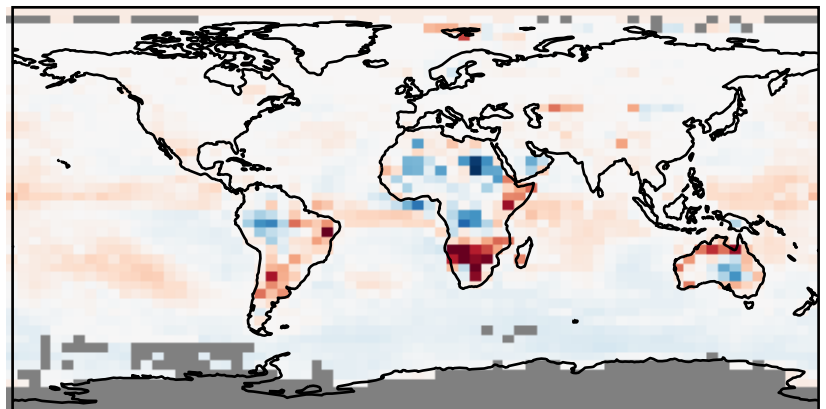
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

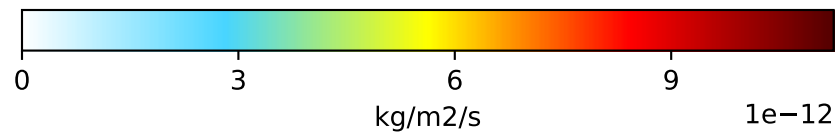
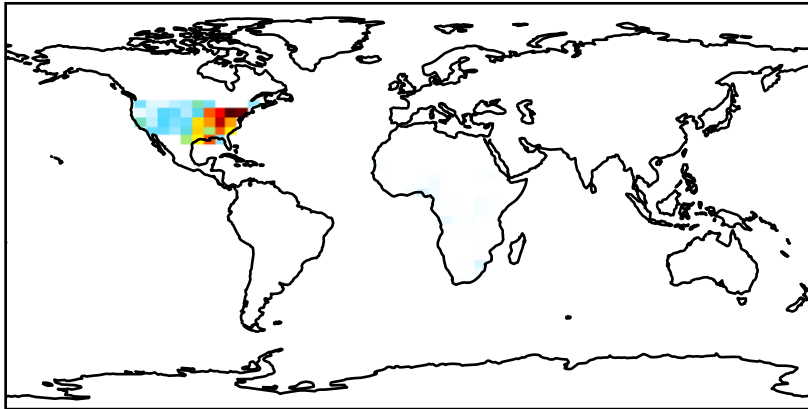


Ratio  
Dev/Ref, Fixed Range

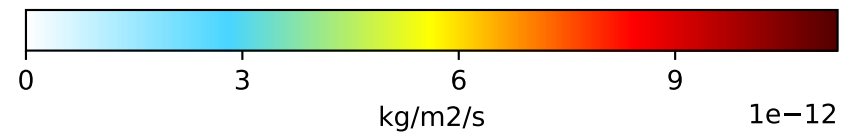
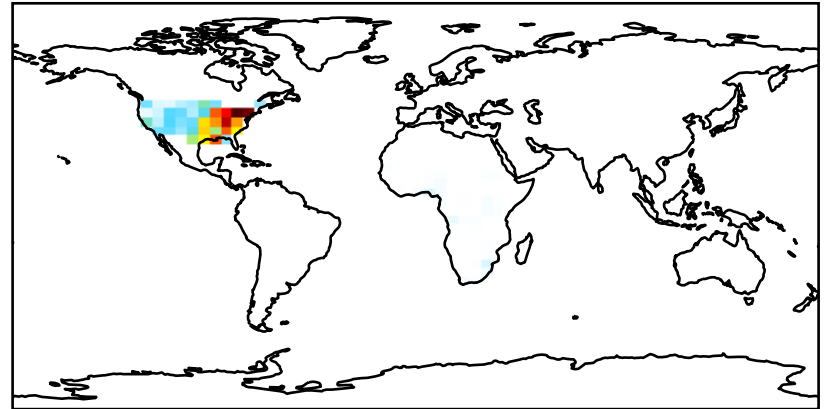


# EmisNO2\_Anthro

GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



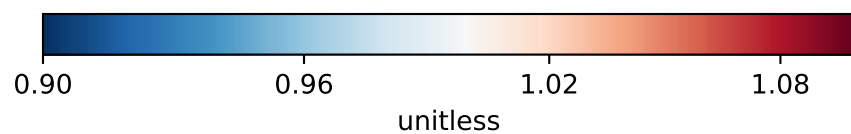
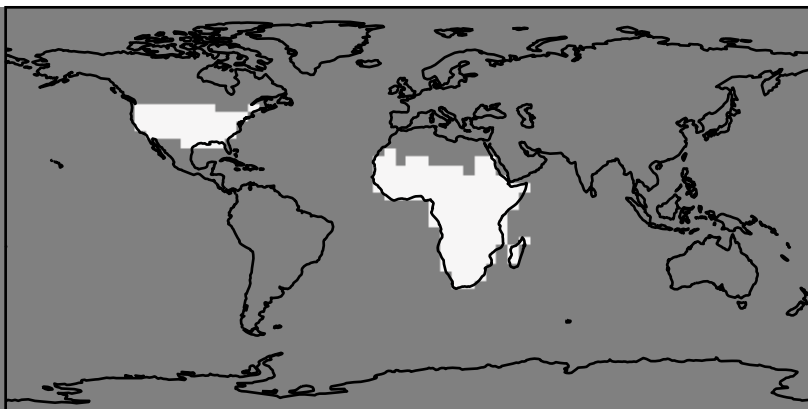
Difference  
Dev - Ref, Dynamic Range



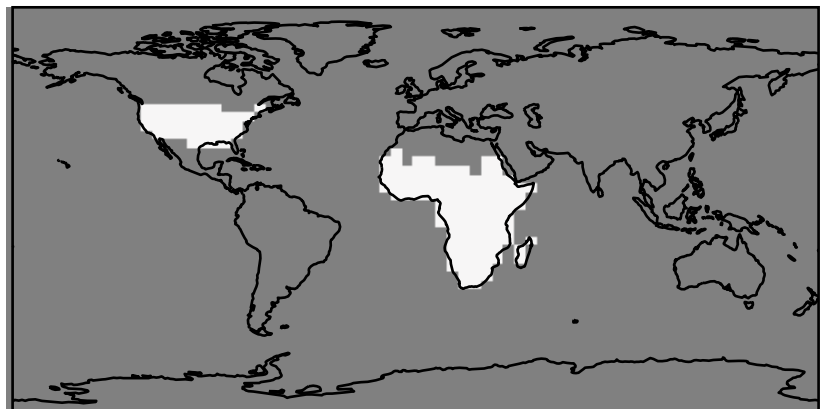
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

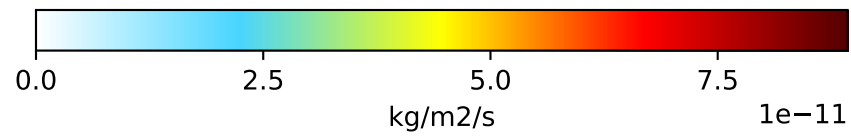
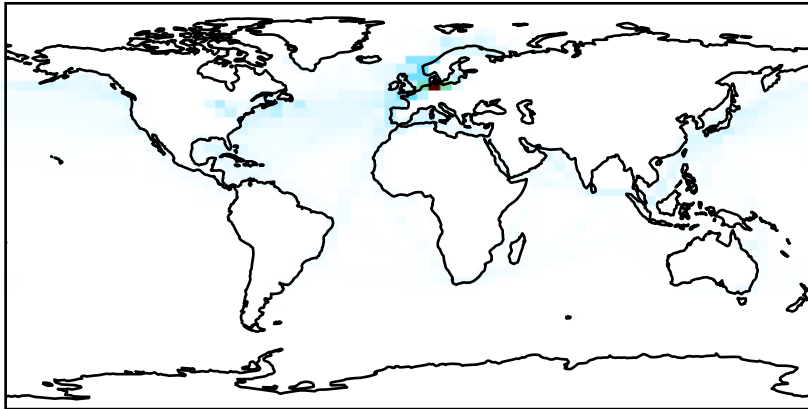


Ratio  
Dev/Ref, Fixed Range

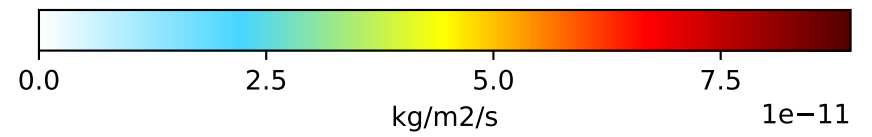
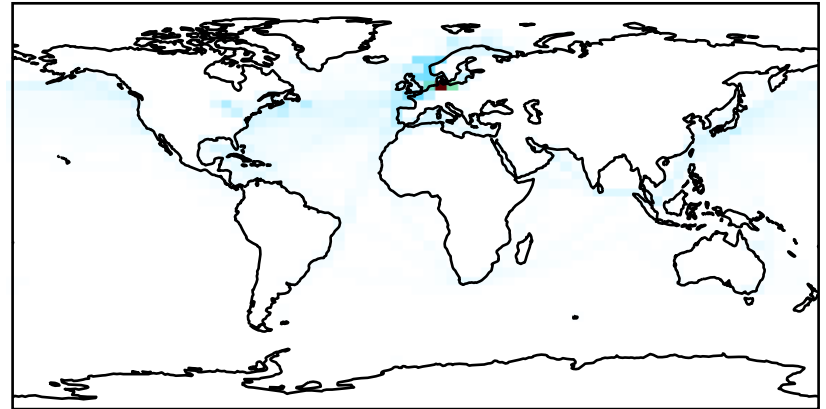


# EmisNO2\_Ship

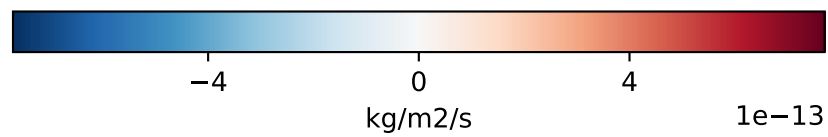
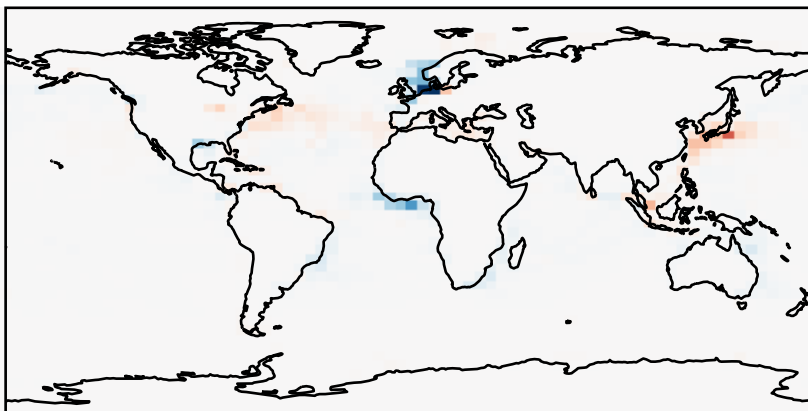
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



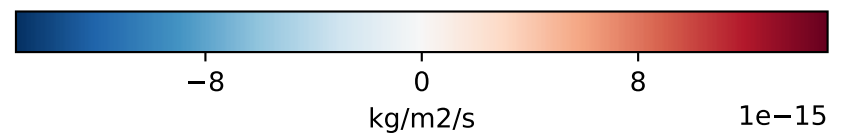
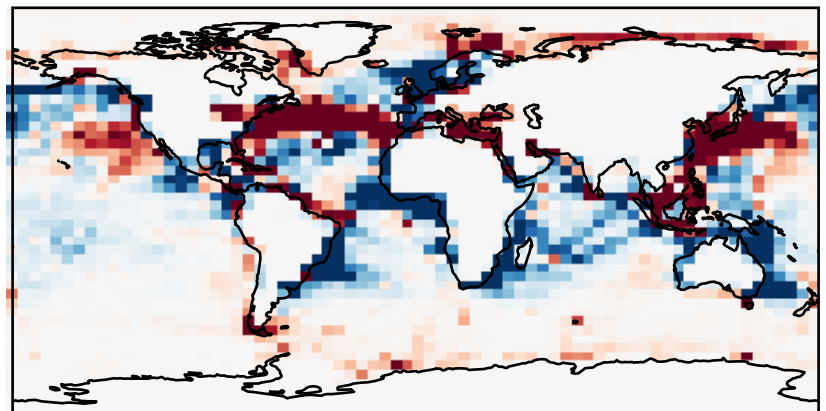
GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



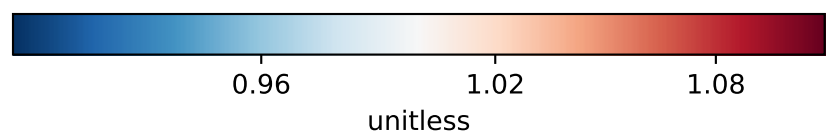
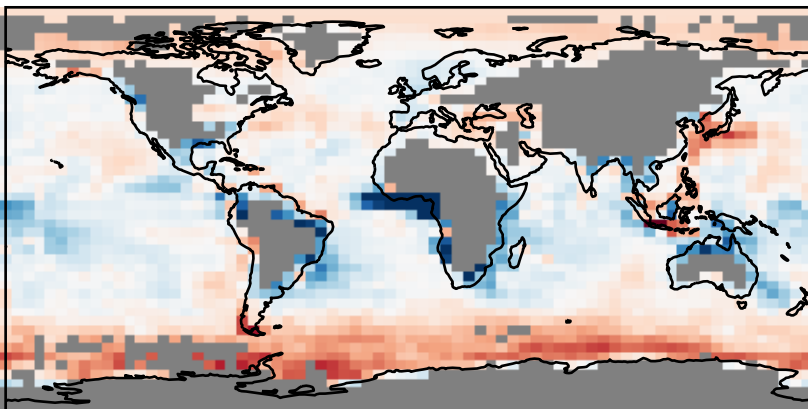
Difference  
Dev - Ref, Dynamic Range



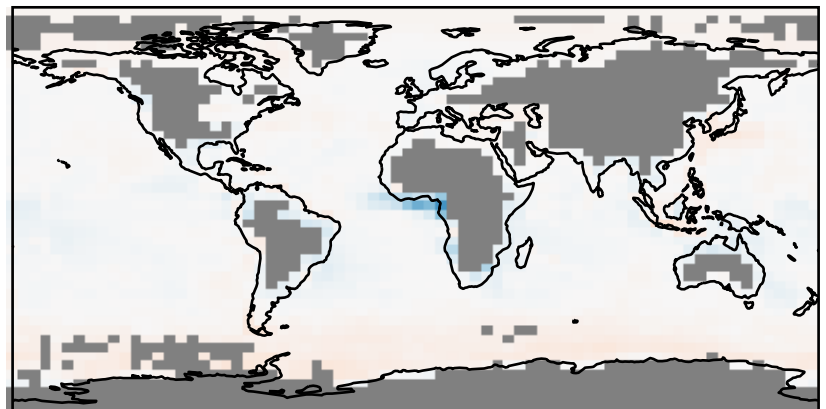
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

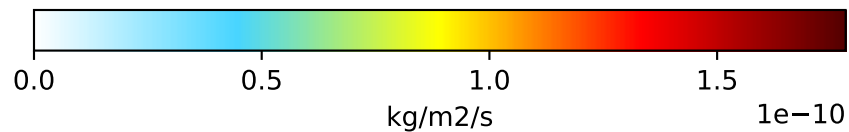
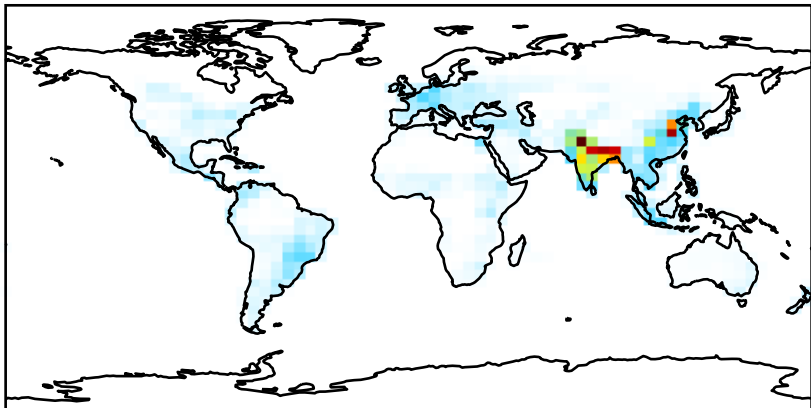


Ratio  
Dev/Ref, Fixed Range

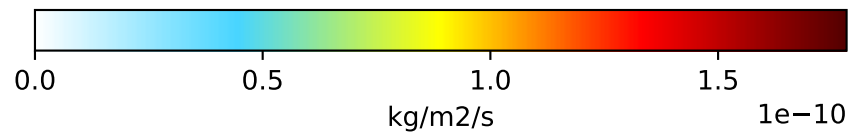
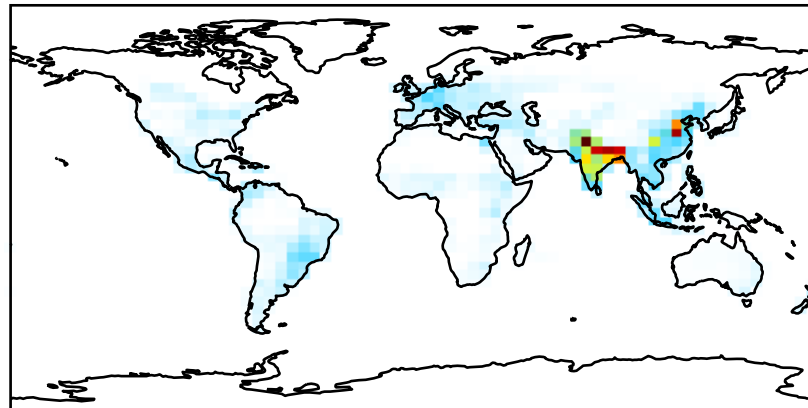


# EmisNH3\_Anthro

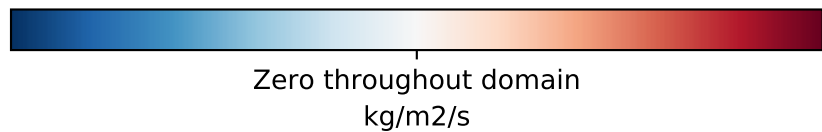
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



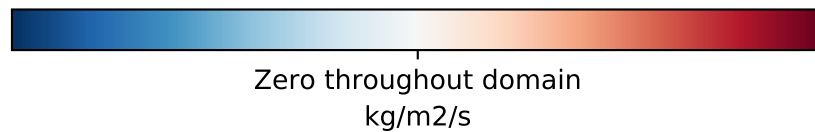
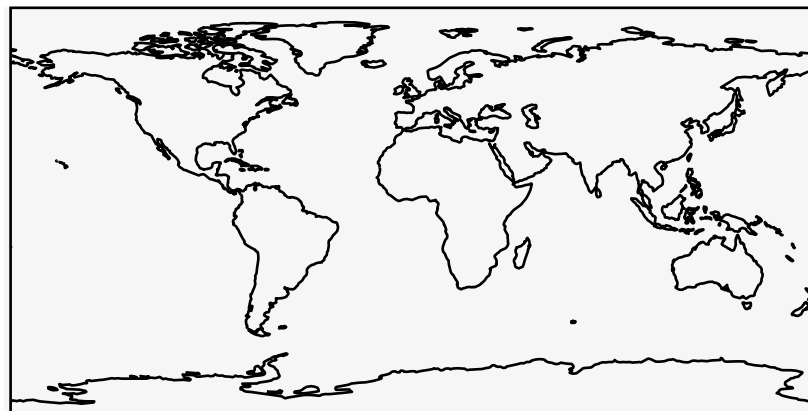
GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



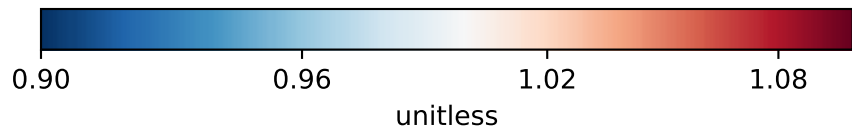
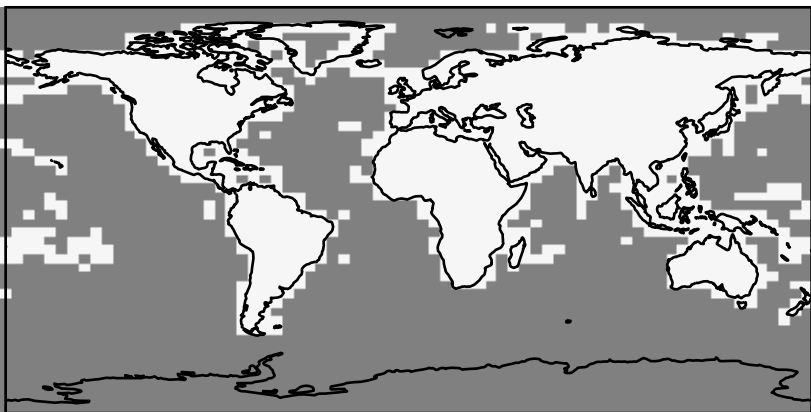
Difference  
Dev - Ref, Dynamic Range



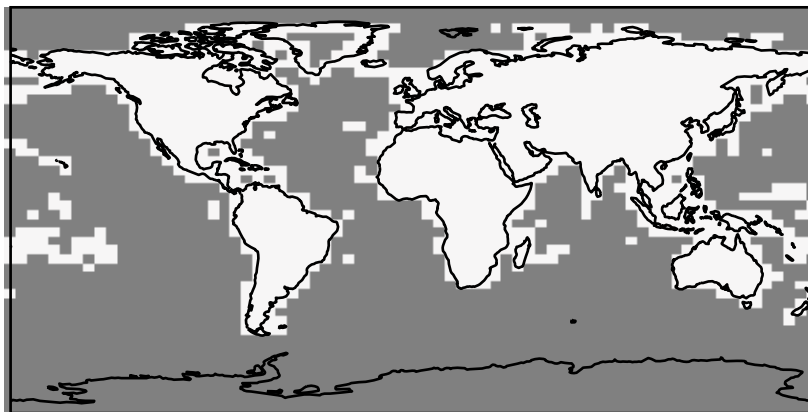
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

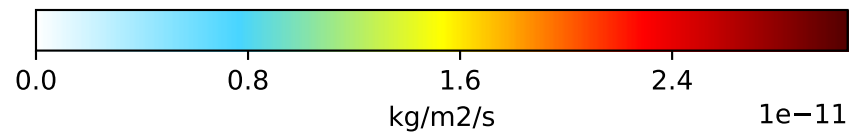
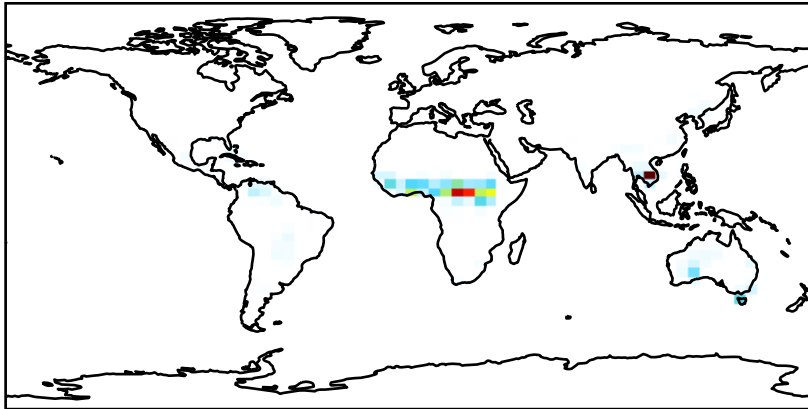


Ratio  
Dev/Ref, Fixed Range

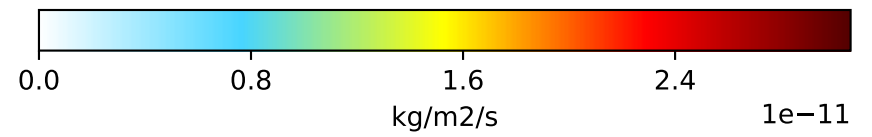
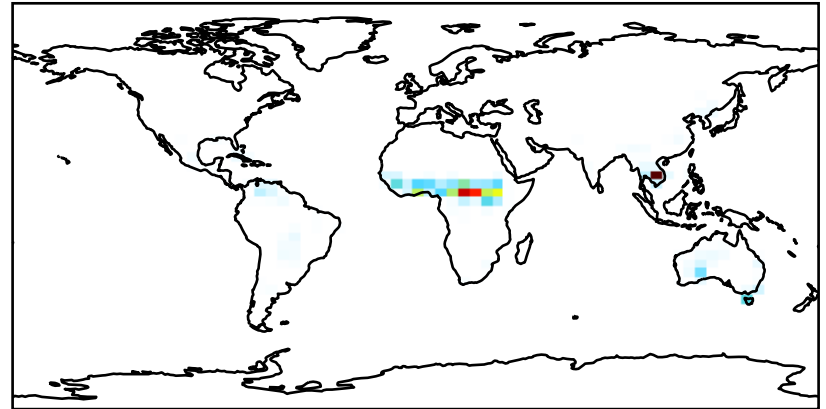


# EmisNH3\_BioBurn

GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



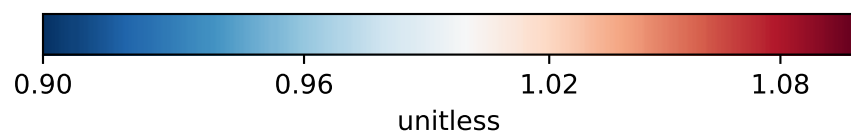
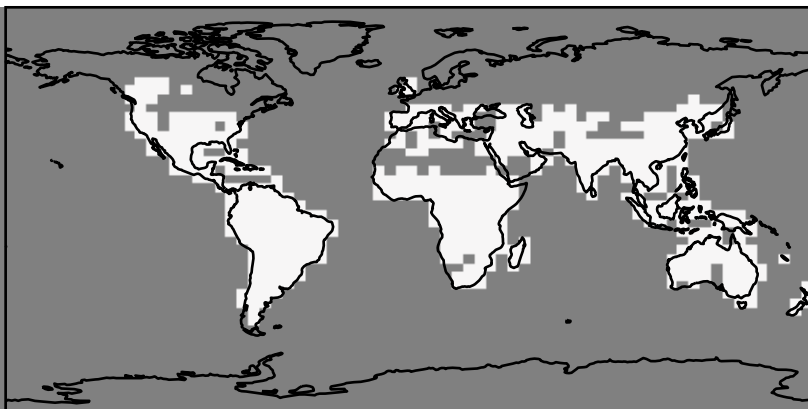
Difference  
Dev - Ref, Dynamic Range



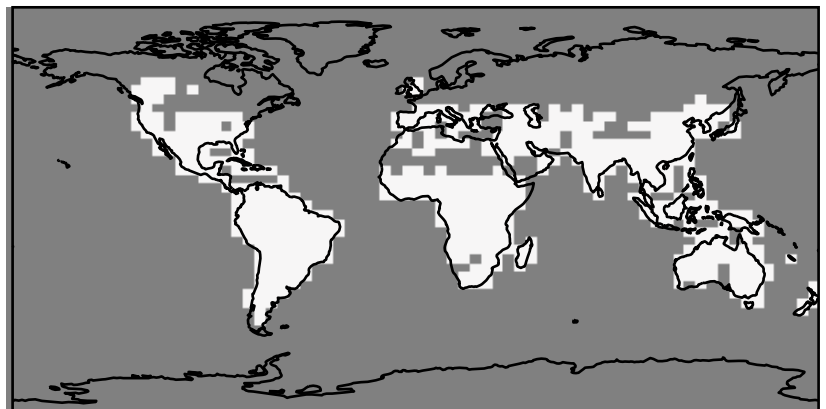
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



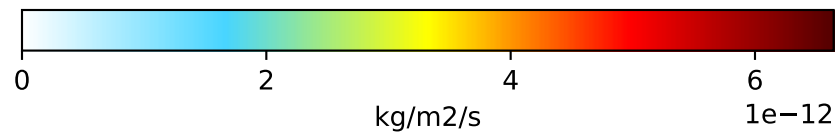
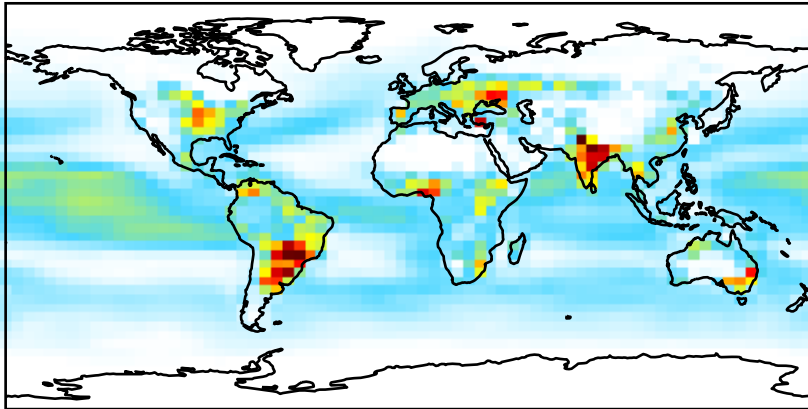
Ratio  
Dev/Ref, Fixed Range



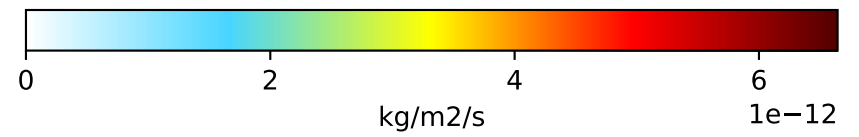
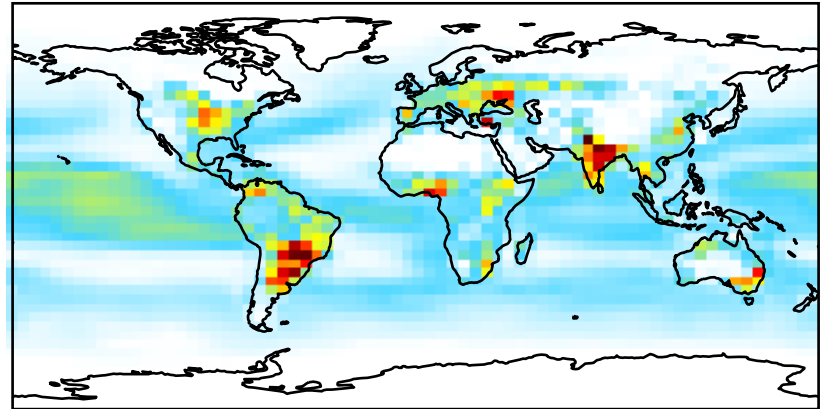


# EmisNH3\_Natural

GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



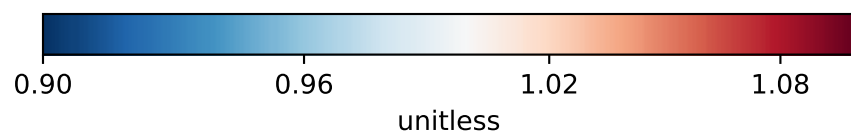
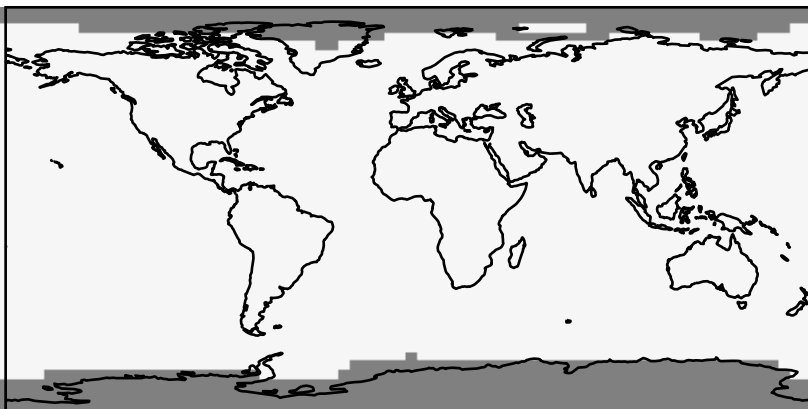
Difference  
Dev - Ref, Dynamic Range



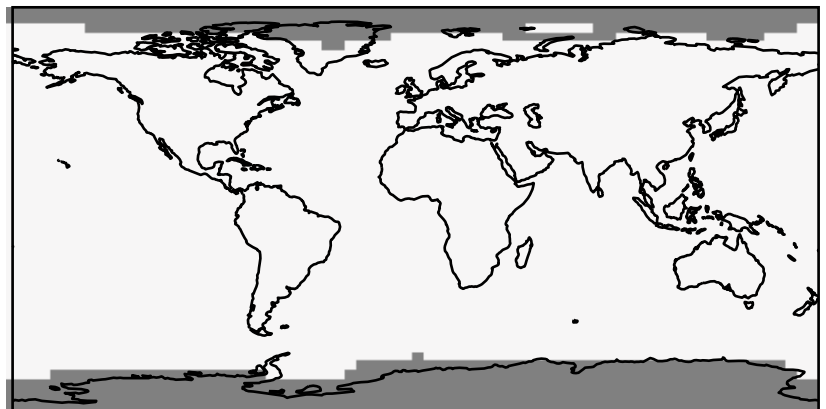
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



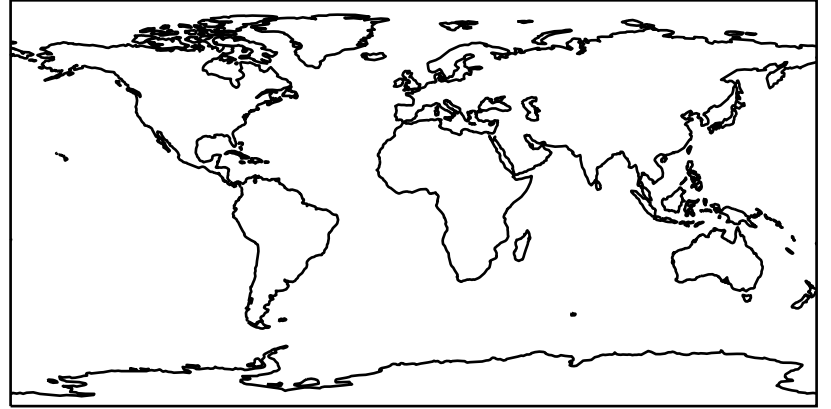
# EmisNH3\_Seabirds

GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



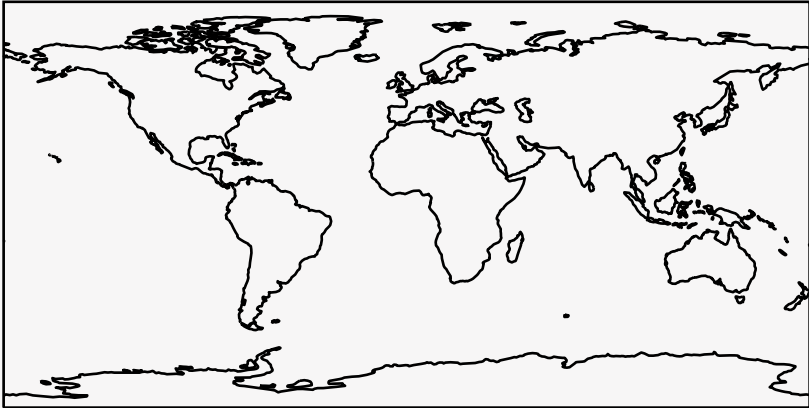
Zero throughout domain  
kg/m2/s

GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



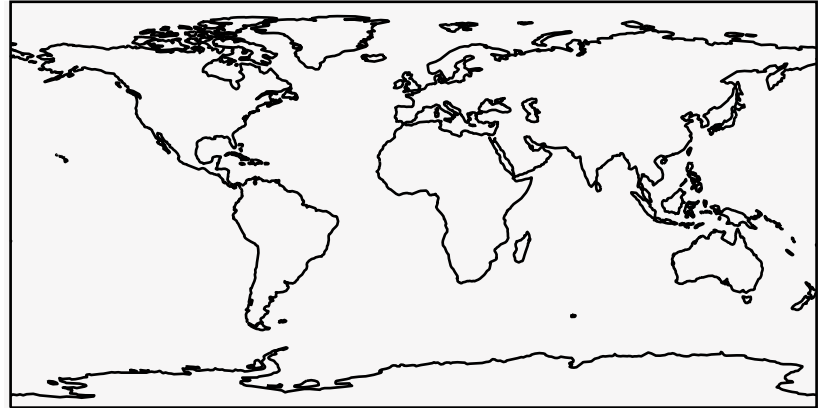
Zero throughout domain  
kg/m2/s

Difference  
Dev - Ref, Dynamic Range



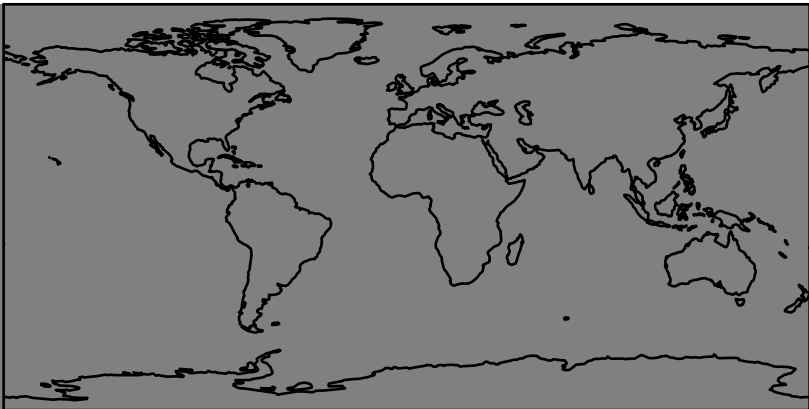
Zero throughout domain  
kg/m2/s

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



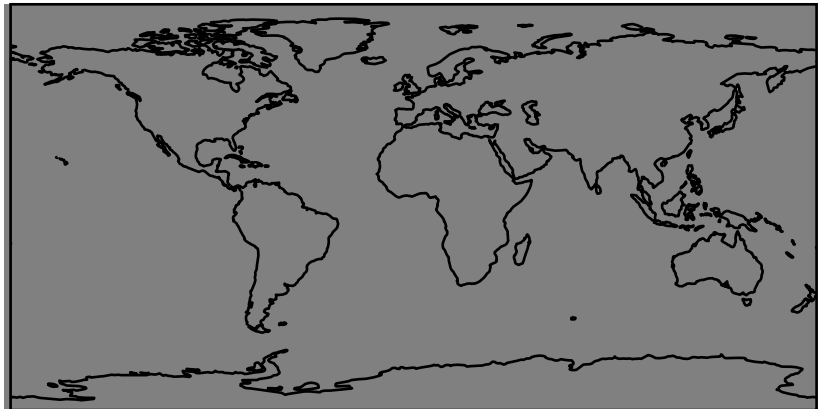
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

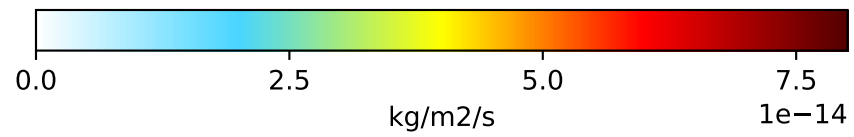
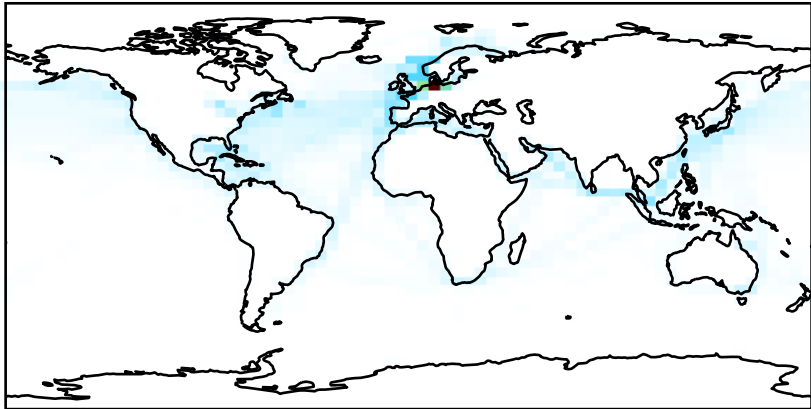
Ratio  
Dev/Ref, Fixed Range



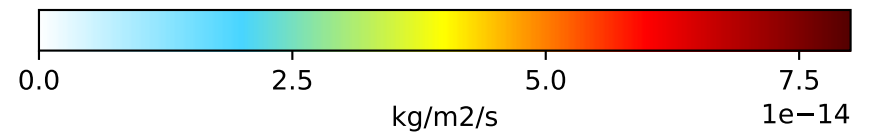
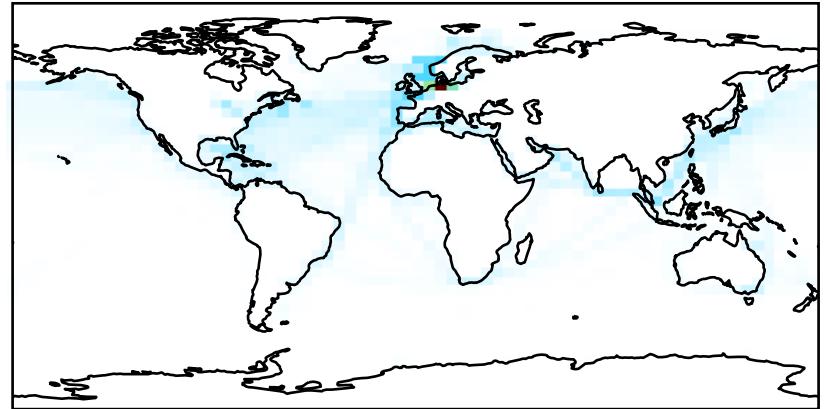
Undefined throughout domain  
unitless

# EmisNH3\_Ship

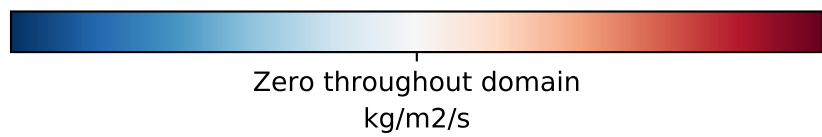
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



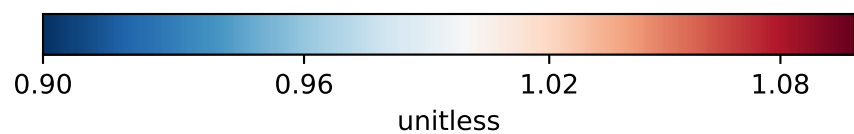
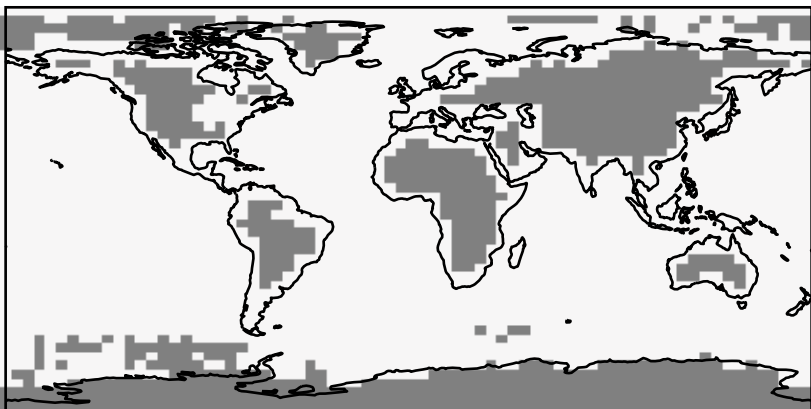
Difference  
Dev - Ref, Dynamic Range



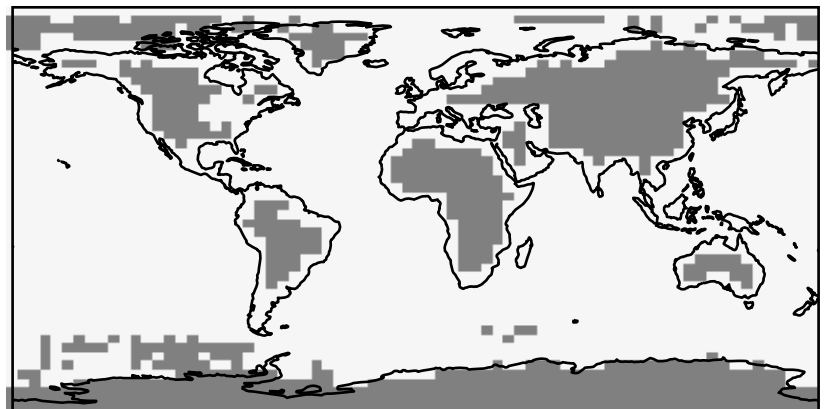
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

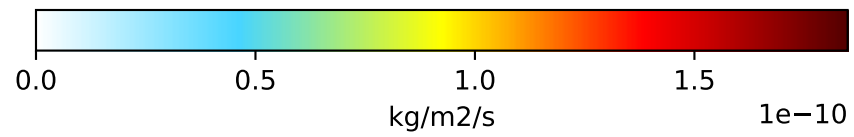
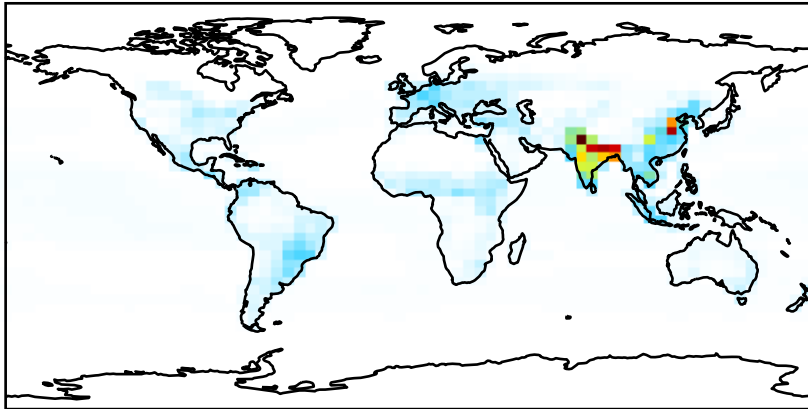


Ratio  
Dev/Ref, Fixed Range

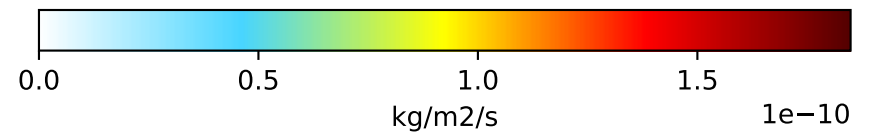
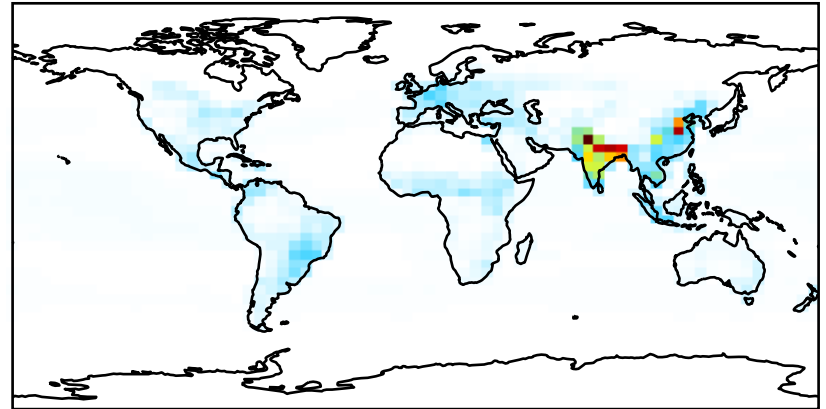


# EmisNH3\_Total

GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



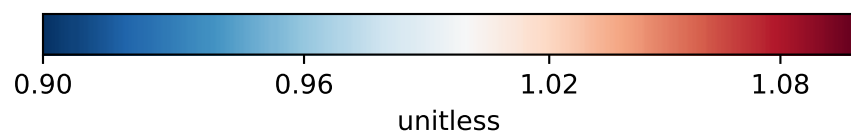
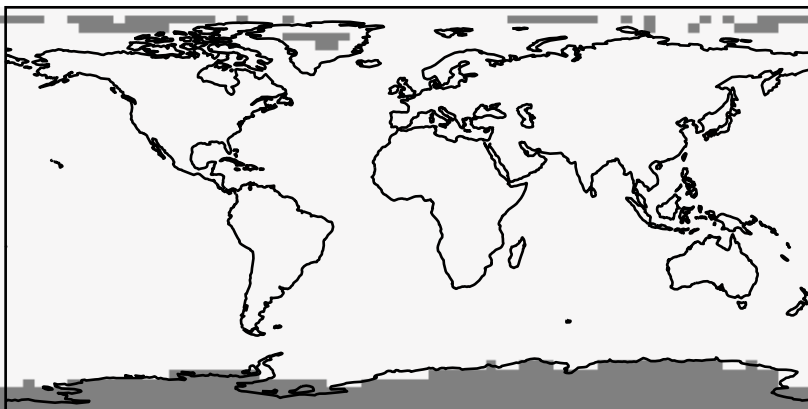
Difference  
Dev - Ref, Dynamic Range



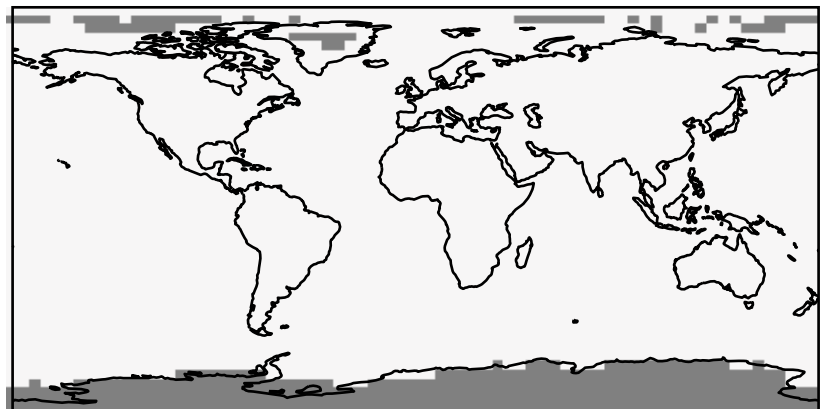
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

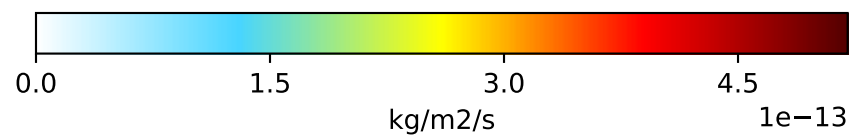
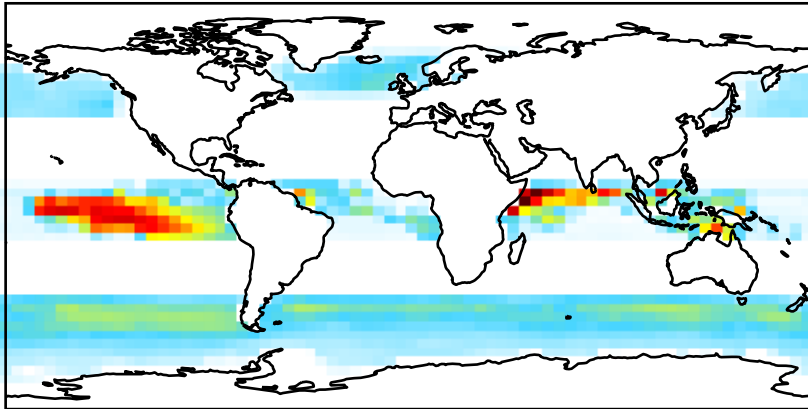


Ratio  
Dev/Ref, Fixed Range

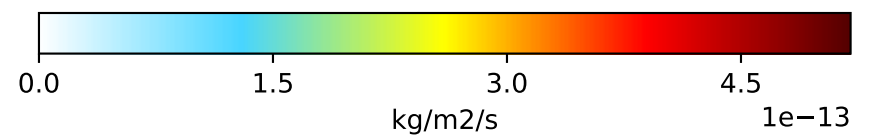
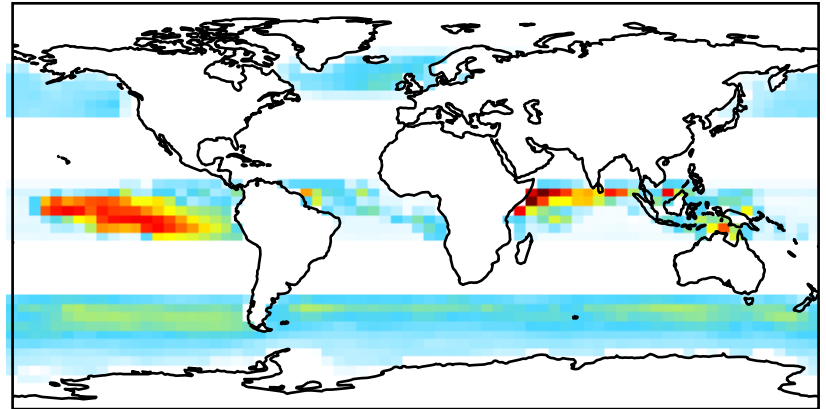


# EmisMEN03\_Ocean

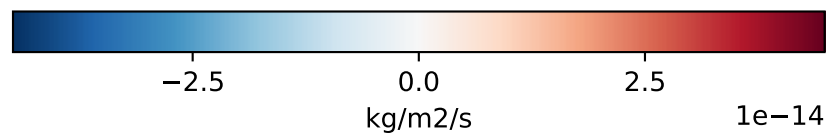
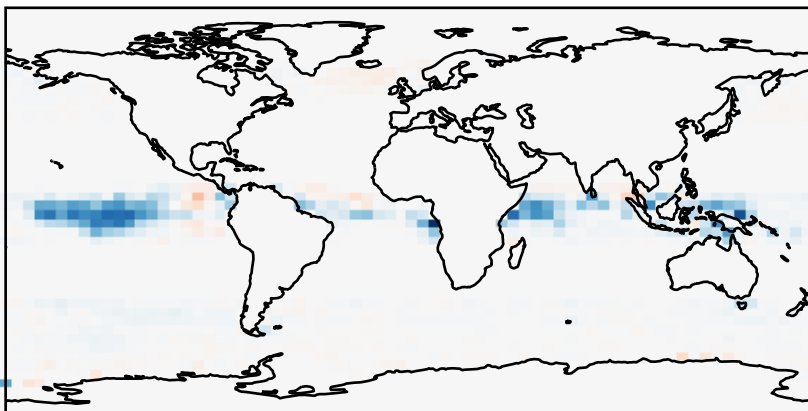
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



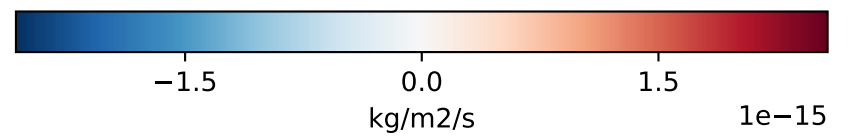
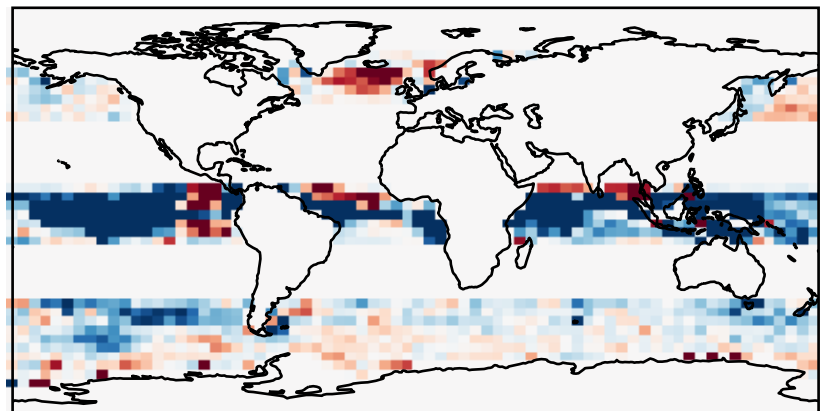
GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



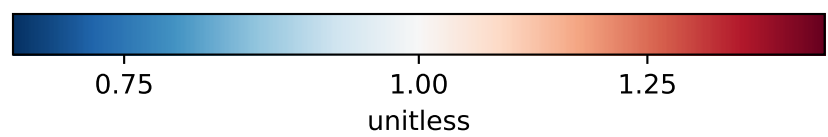
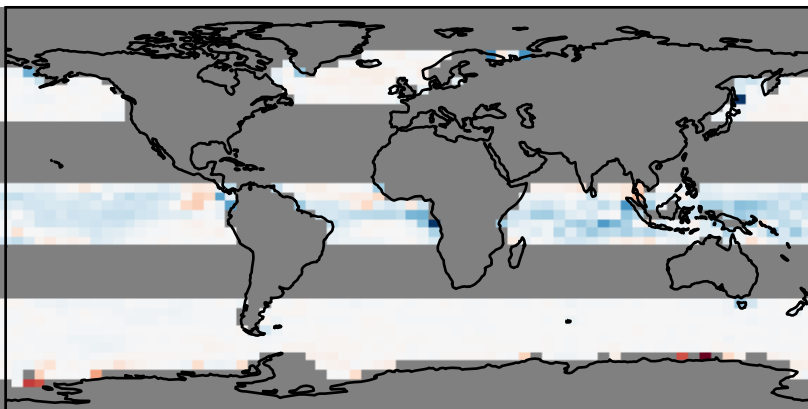
Difference  
Dev - Ref, Dynamic Range



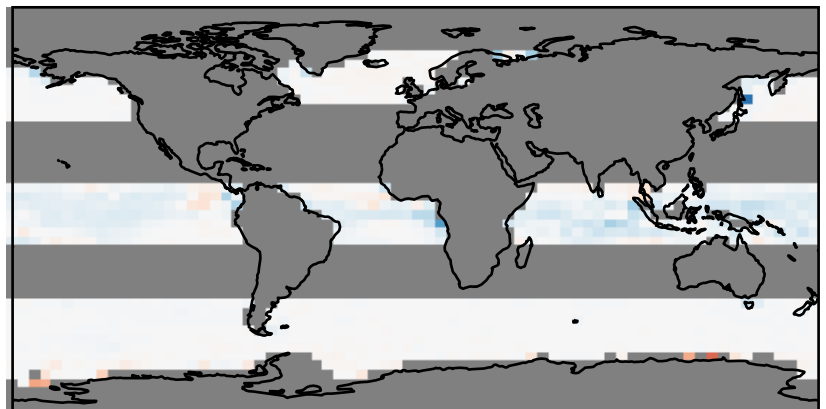
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



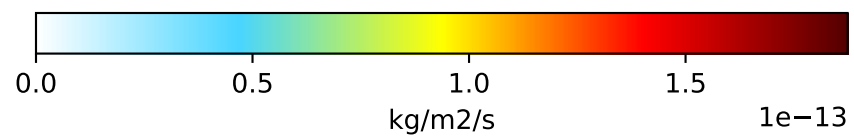
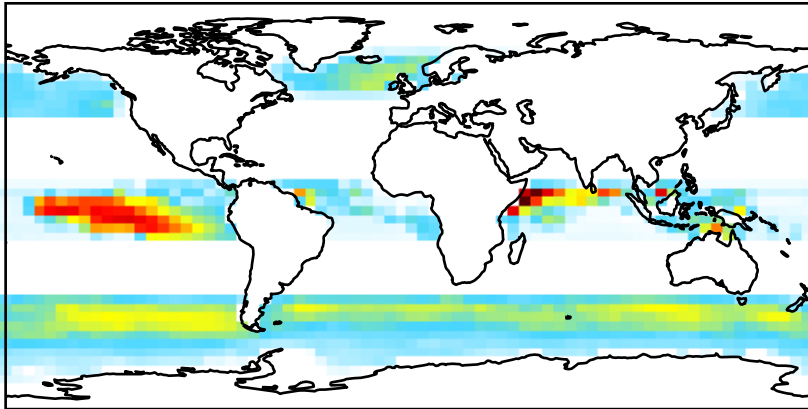
Ratio  
Dev/Ref, Fixed Range



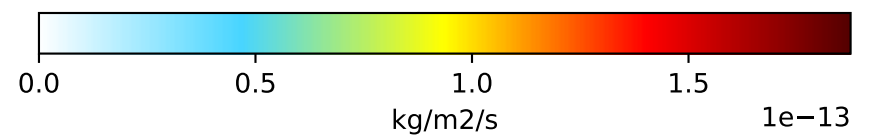
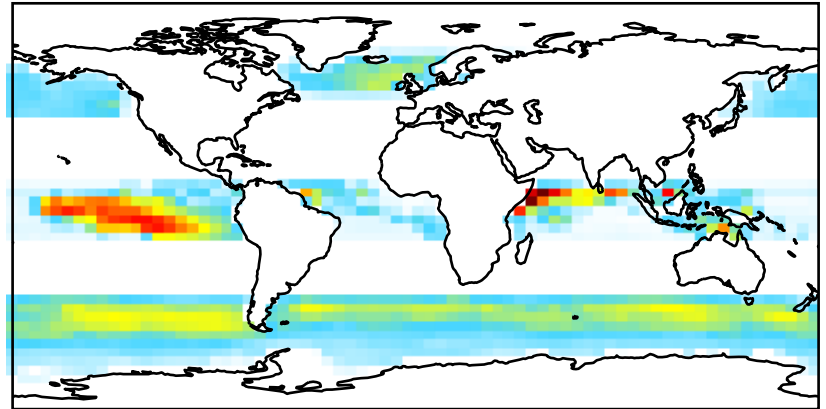


# EmisETNO3\_Ocean

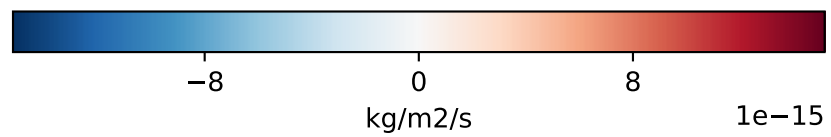
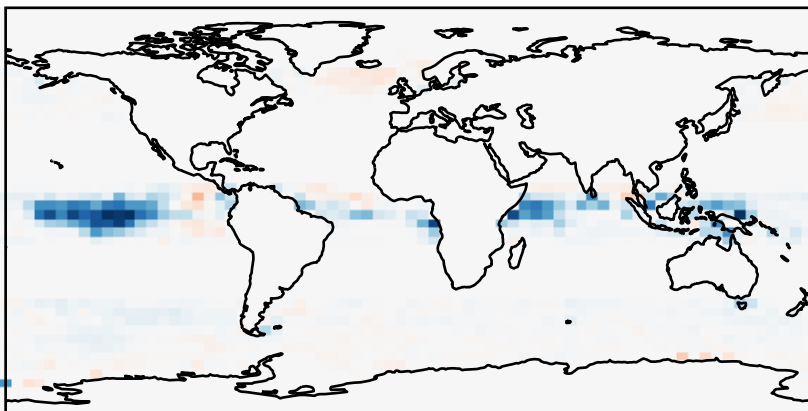
GC\_12.8.0\_GEOSFP\_5.22 (Ref)  
4.0x5.0



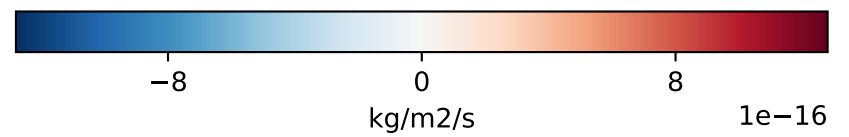
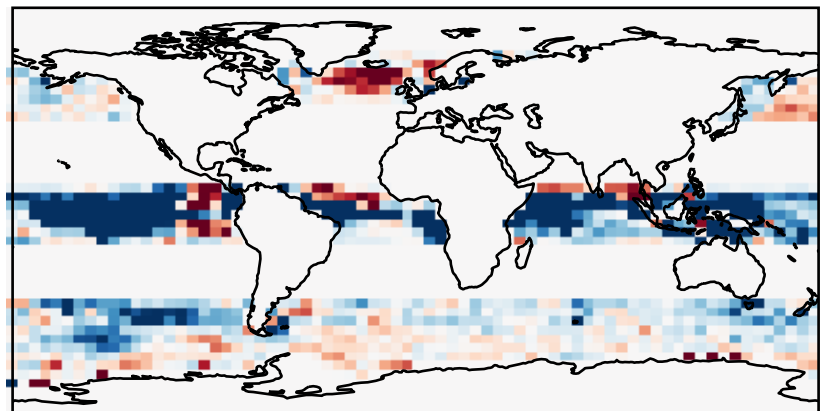
GC\_12.8.0\_GEOSFP\_5.25 (Dev)  
4.0x5.0



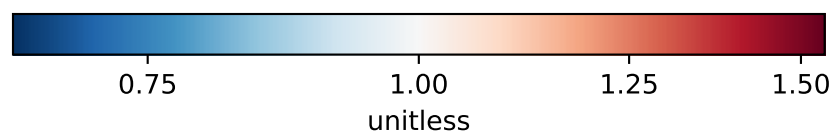
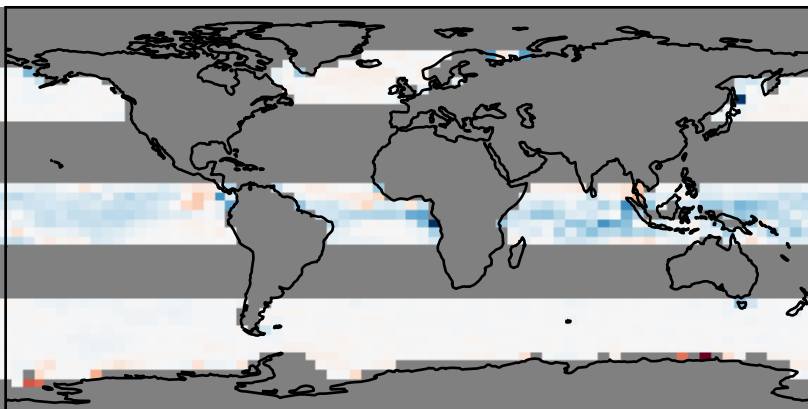
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

