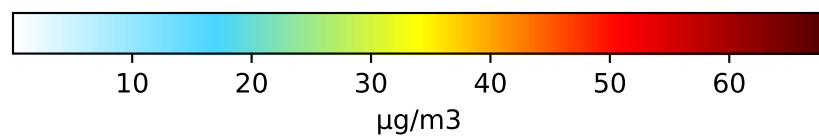
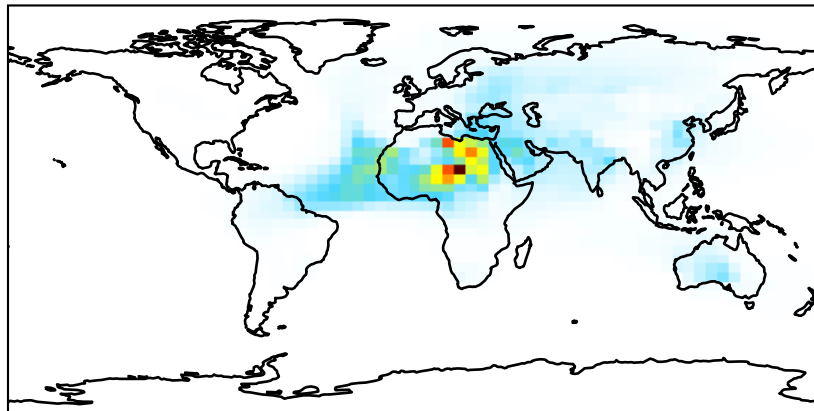
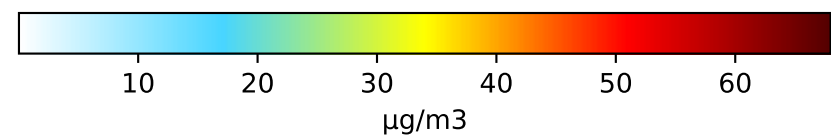
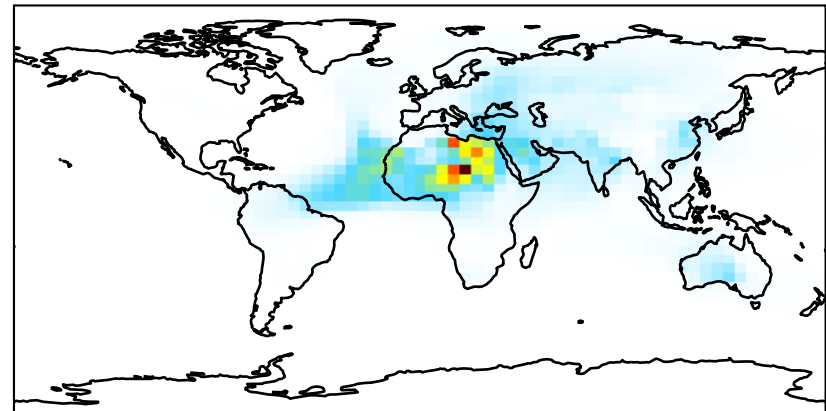


# SpeciesConc\_DST1 (Jan2019)

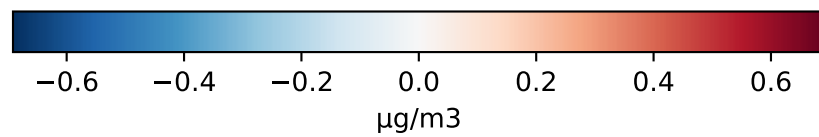
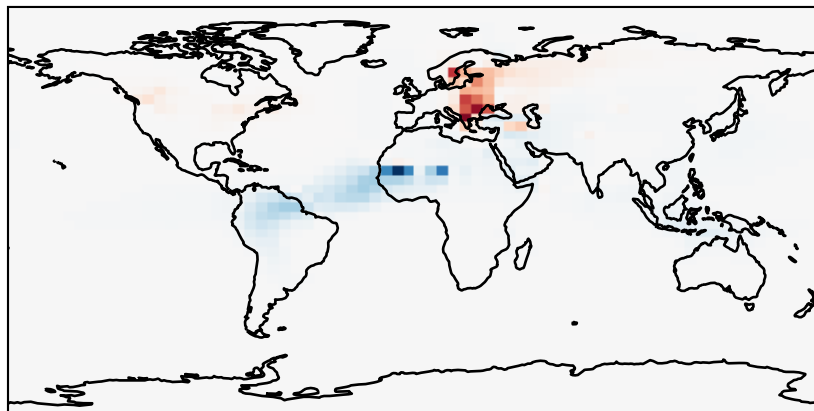
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



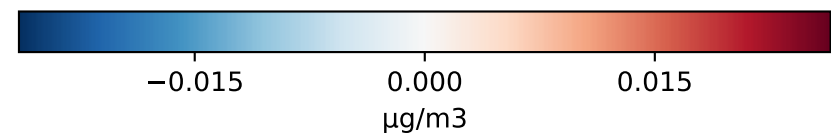
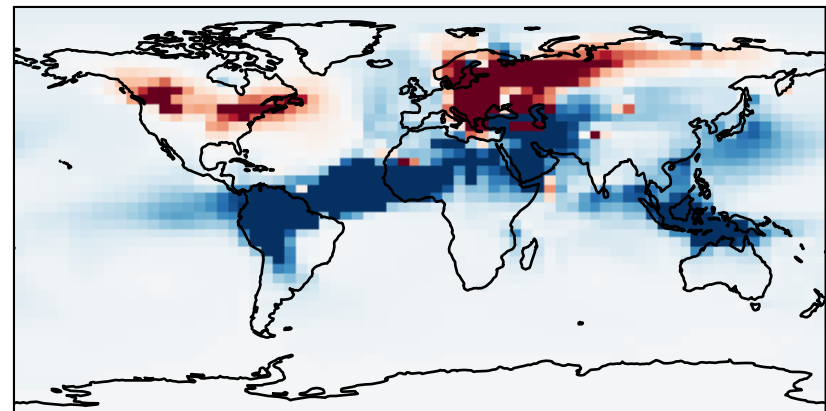
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



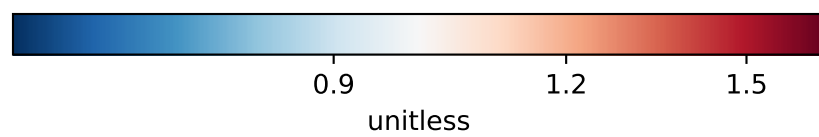
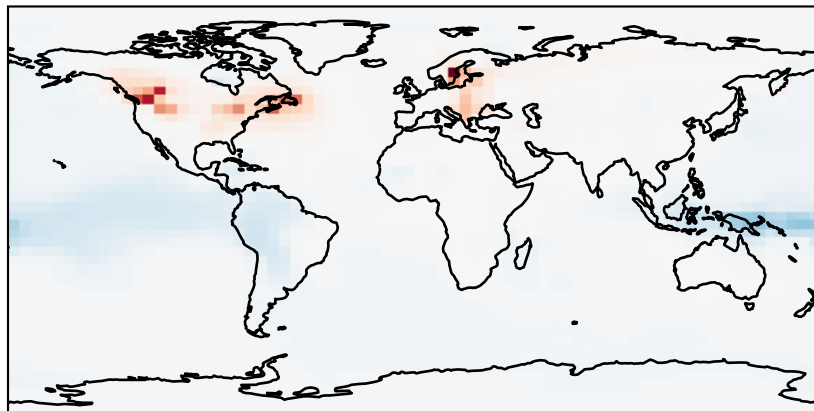
Difference  
Dev - Ref, Dynamic Range



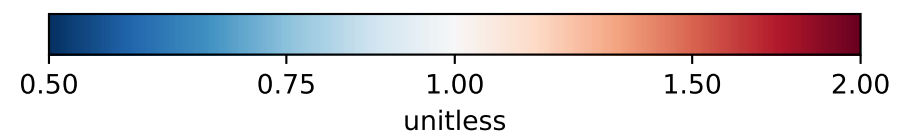
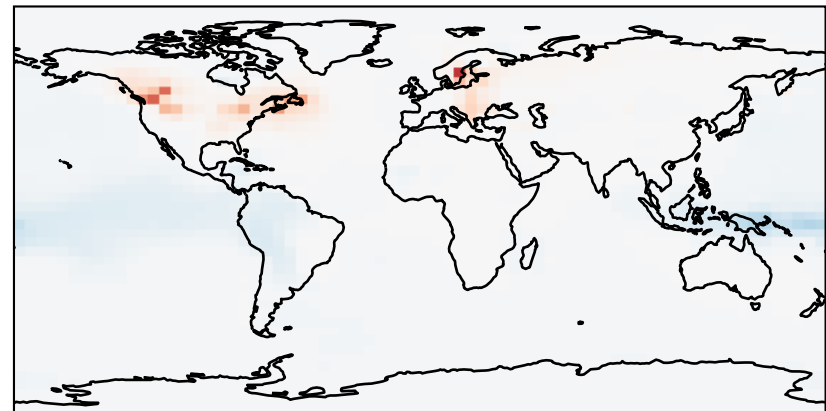
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

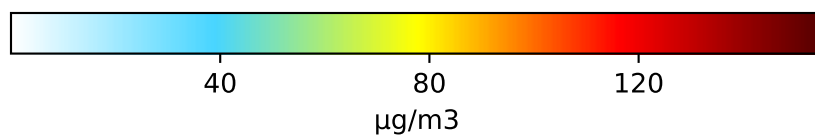
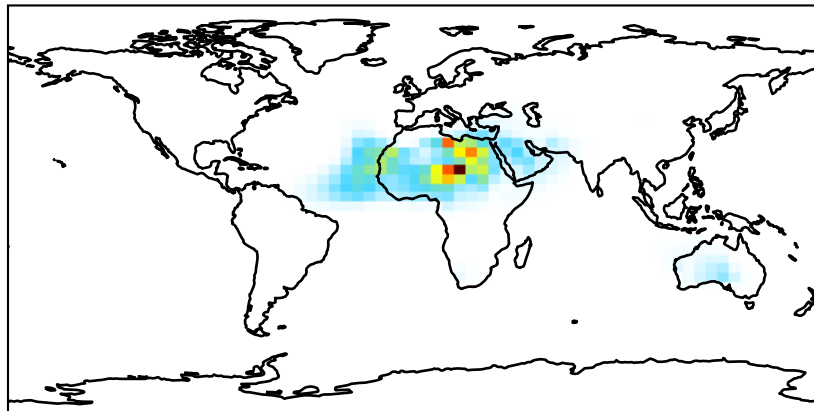


Ratio  
Dev/Ref, Fixed Range

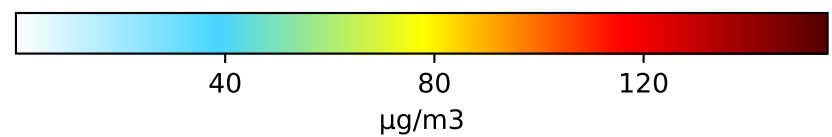
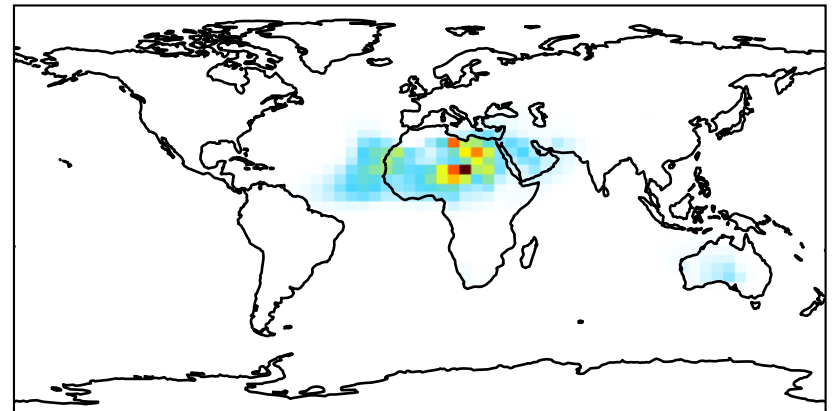


# SpeciesConc\_DST2 (Jan2019)

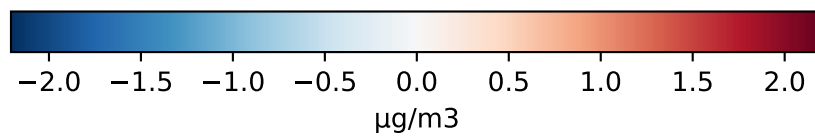
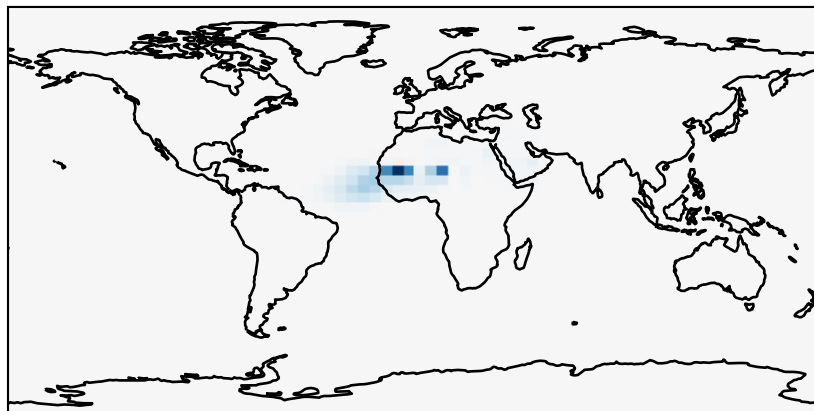
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



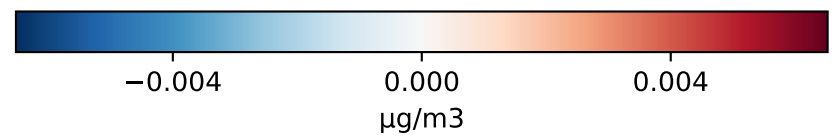
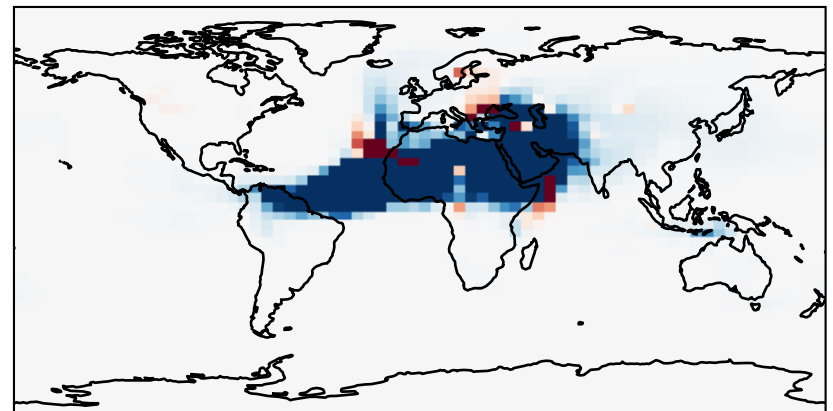
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



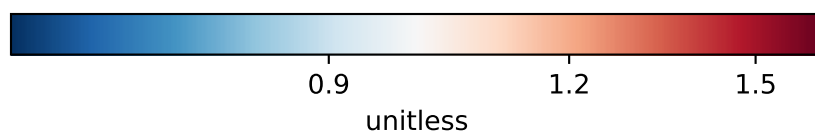
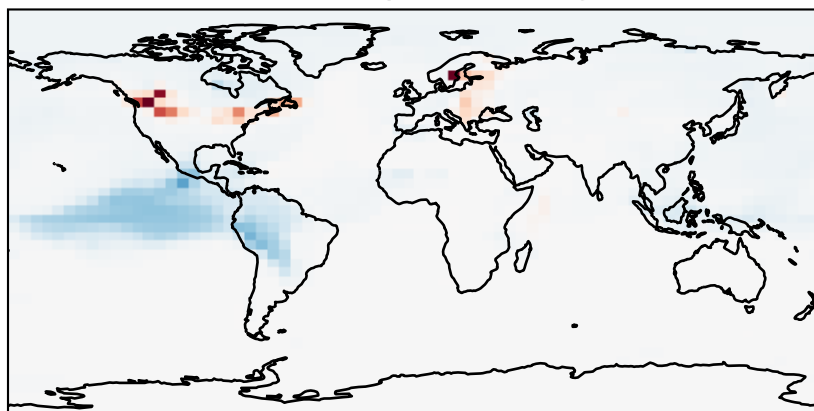
Difference  
Dev - Ref, Dynamic Range



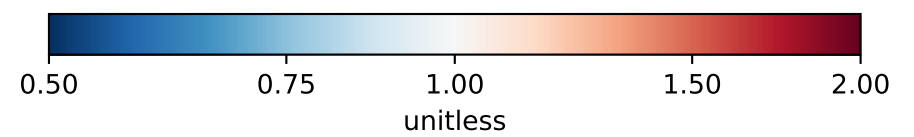
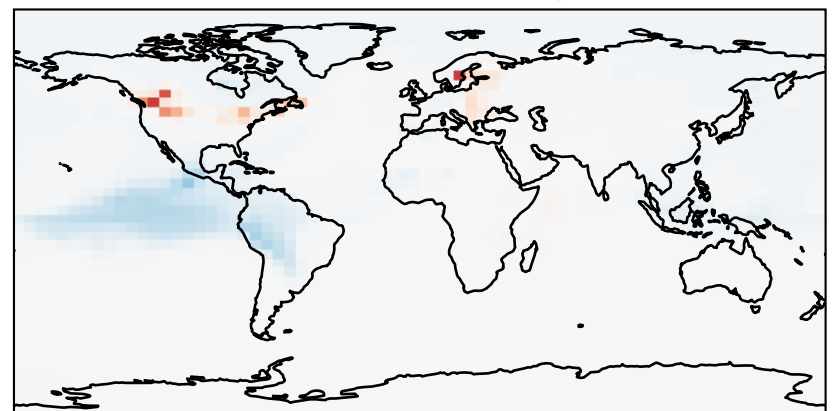
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

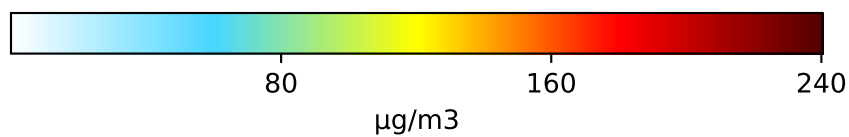
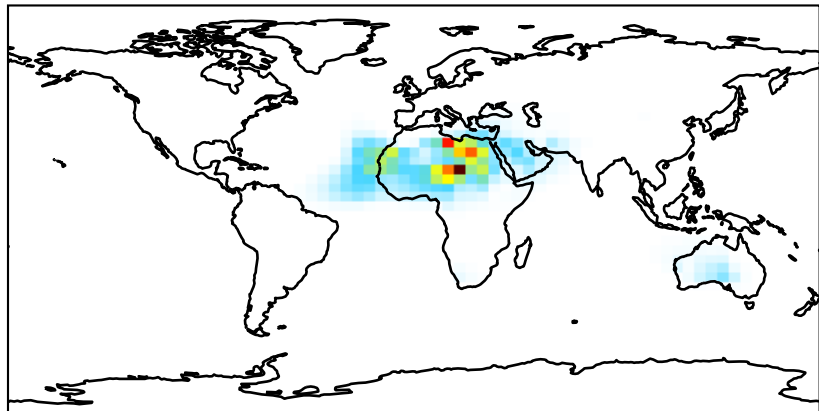


Ratio  
Dev/Ref, Fixed Range

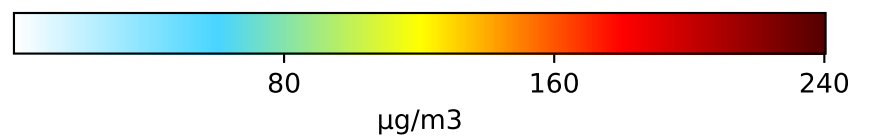
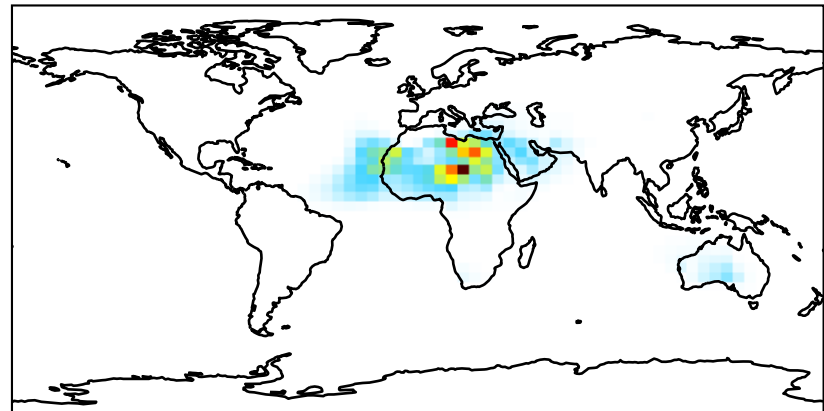


# SpeciesConc\_DST3 (Jan2019)

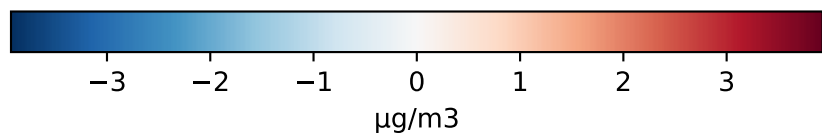
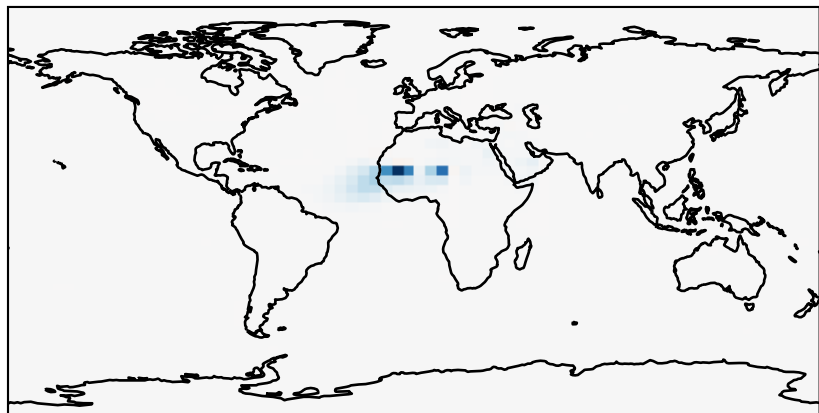
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



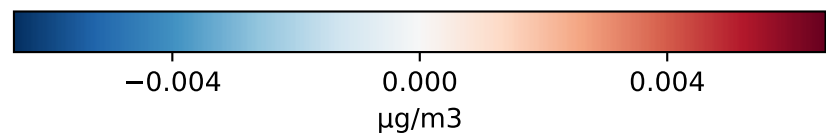
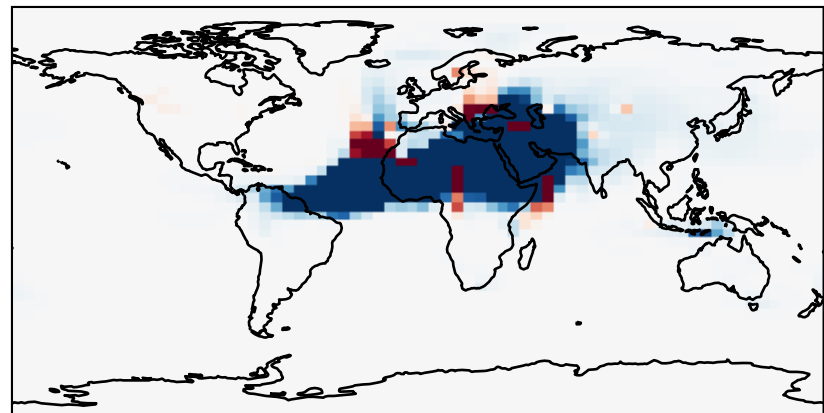
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



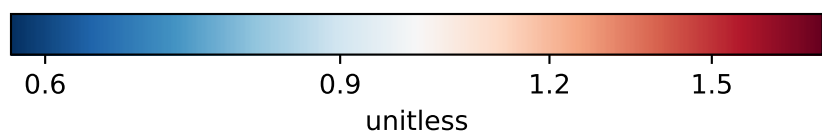
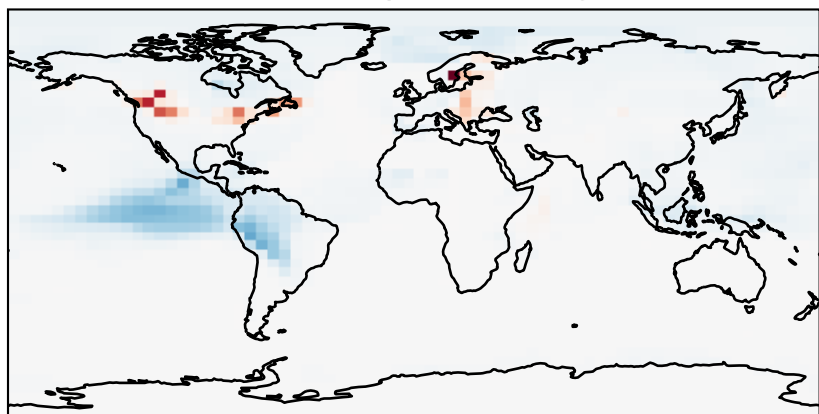
Difference  
Dev - Ref, Dynamic Range



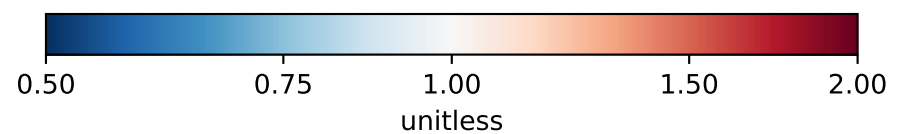
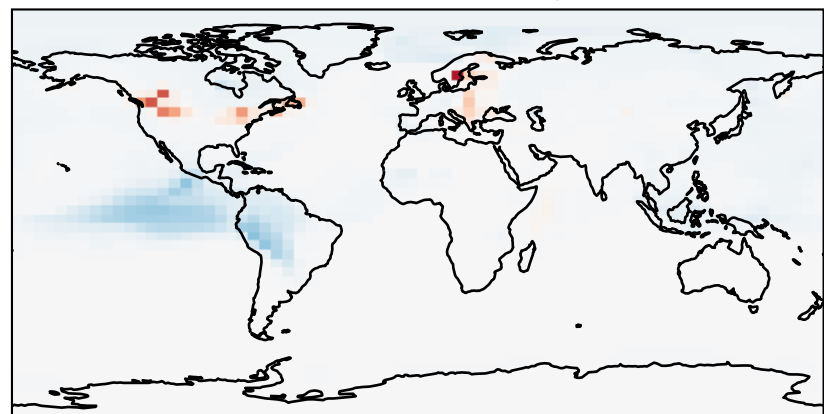
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

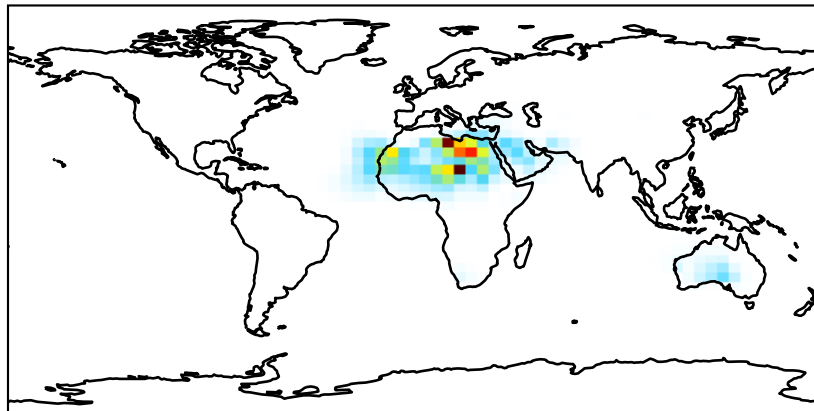


Ratio  
Dev/Ref, Fixed Range

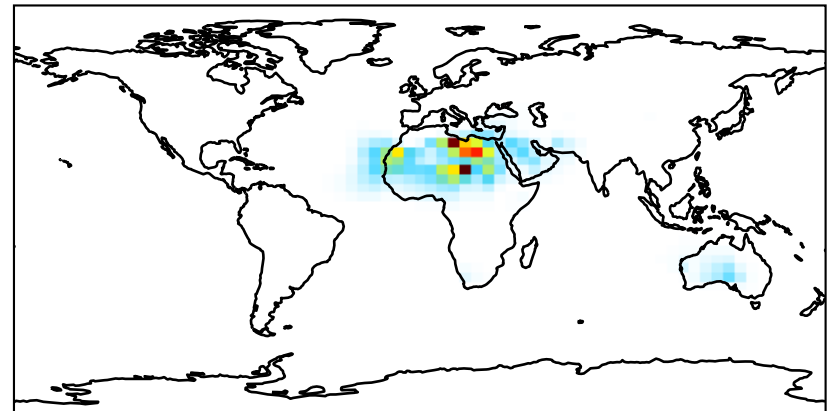


# SpeciesConc\_DST4 (Jan2019)

GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



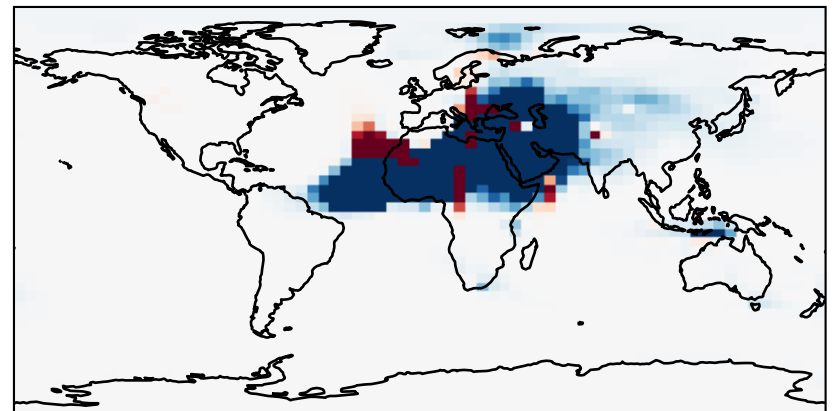
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



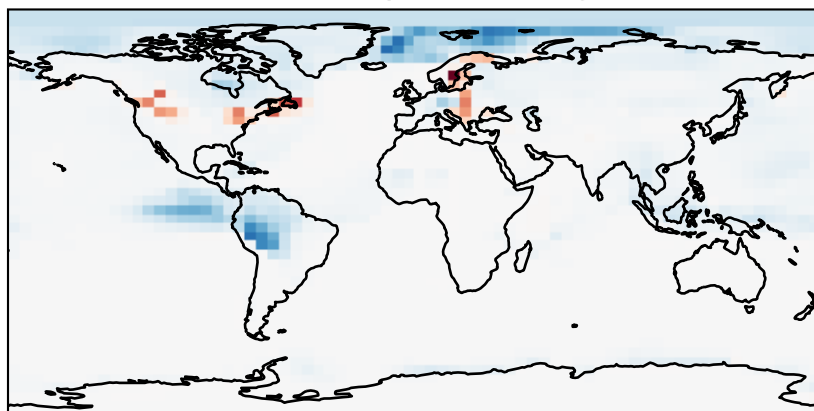
Difference  
Dev - Ref, Dynamic Range



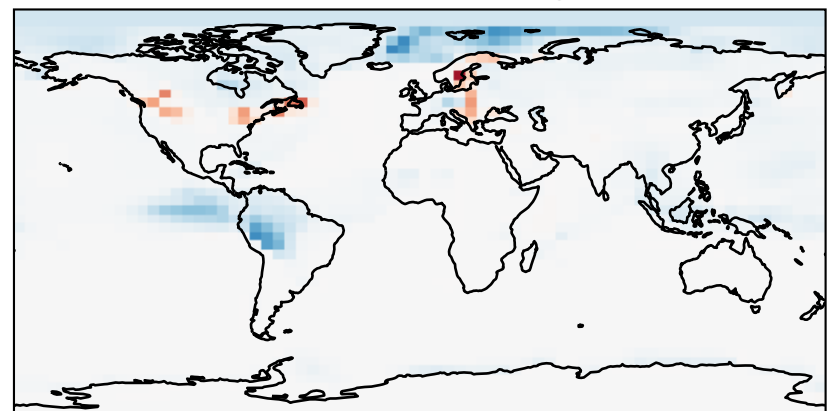
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

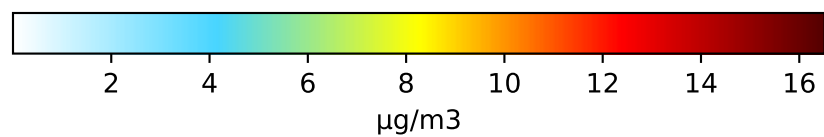
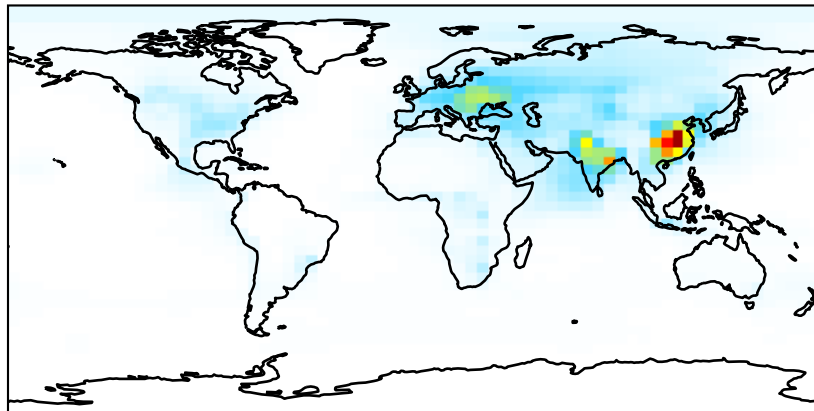


0.8 1.2 1.6  
unitless

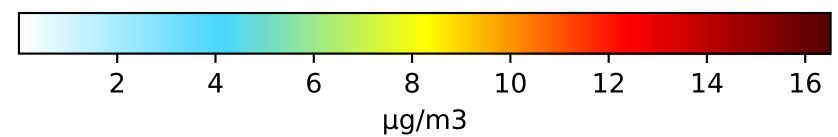
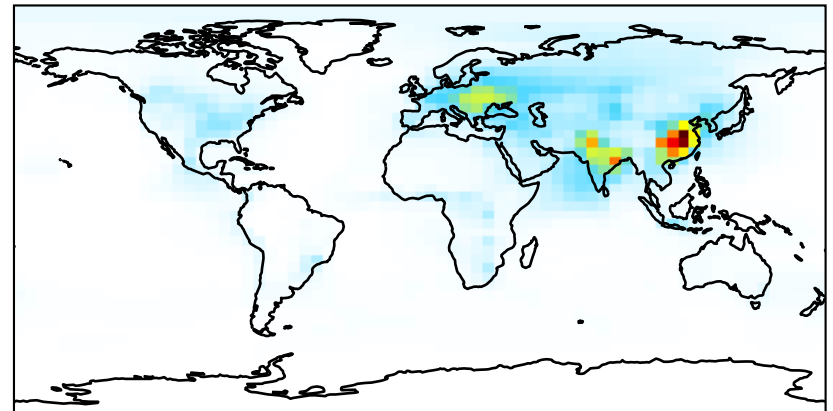
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConc\_NH4 (Jan2019)

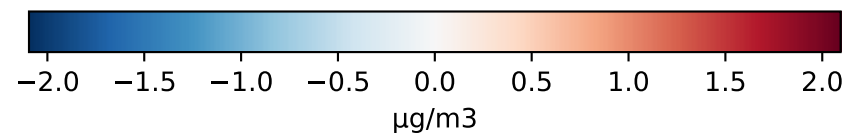
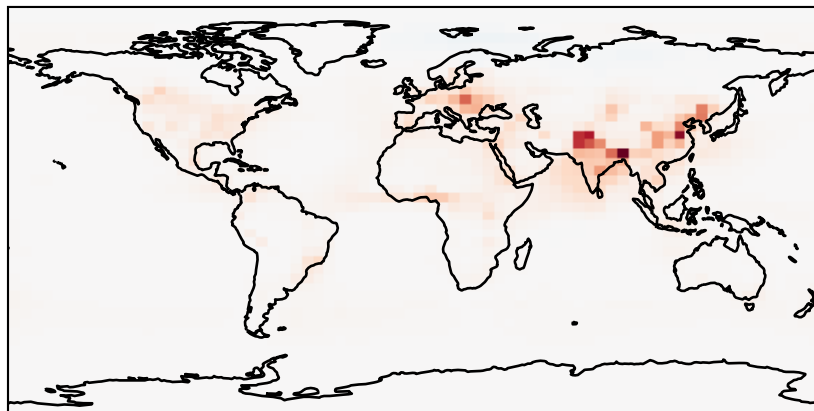
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



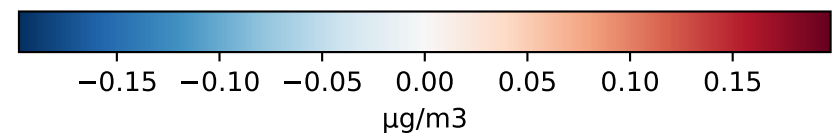
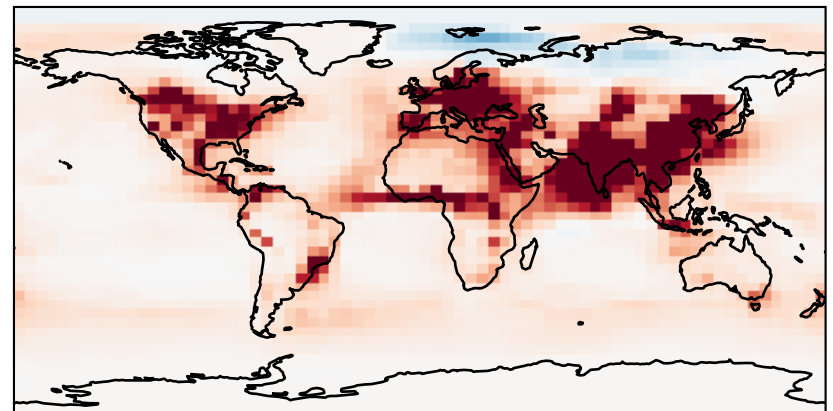
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



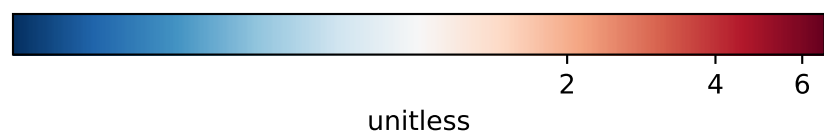
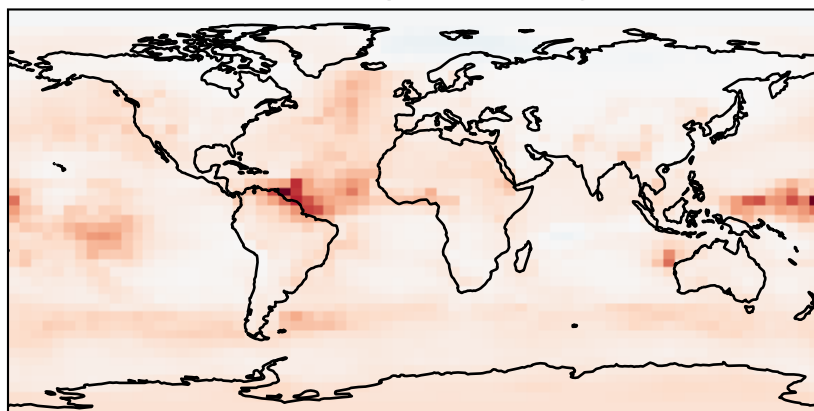
Difference  
Dev - Ref, Dynamic Range



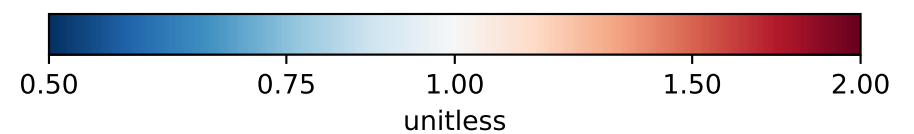
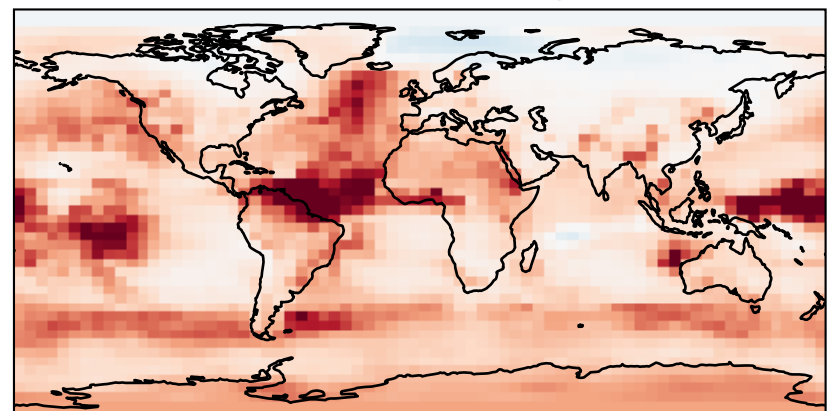
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

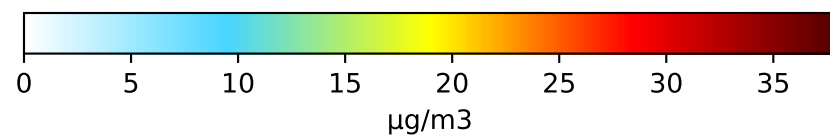
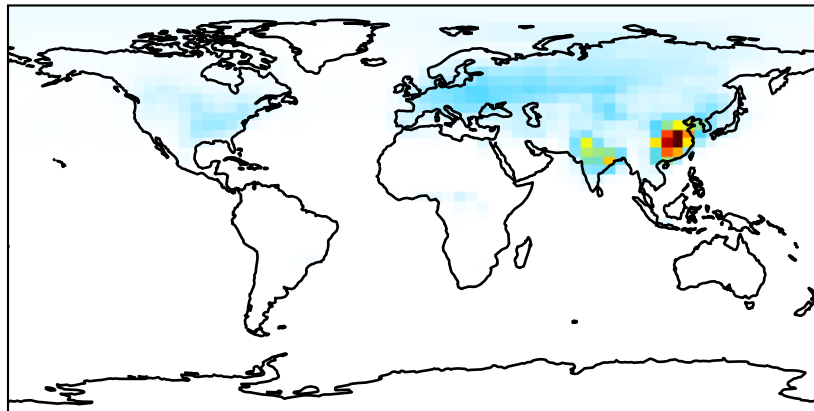


Ratio  
Dev/Ref, Fixed Range

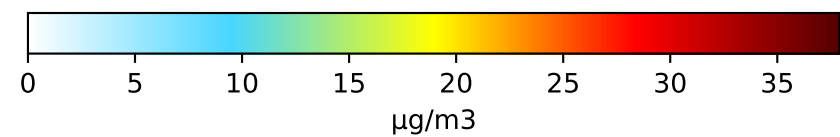
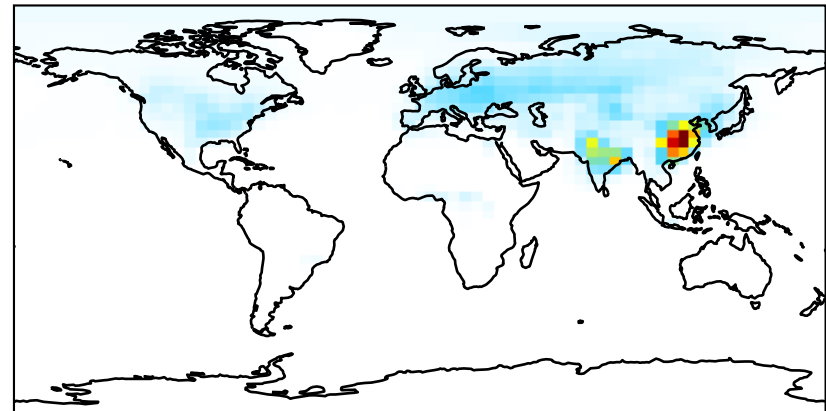


# SpeciesConc\_NIT (Jan2019)

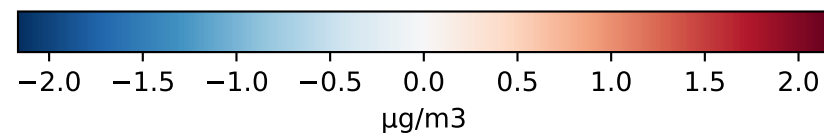
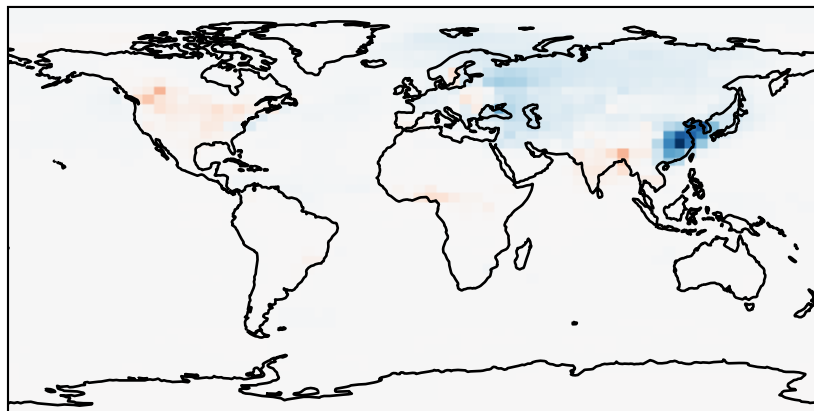
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



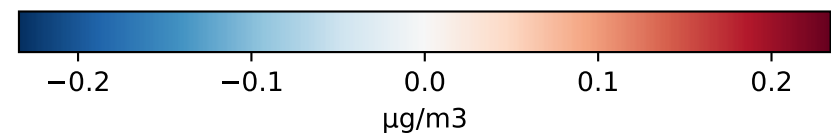
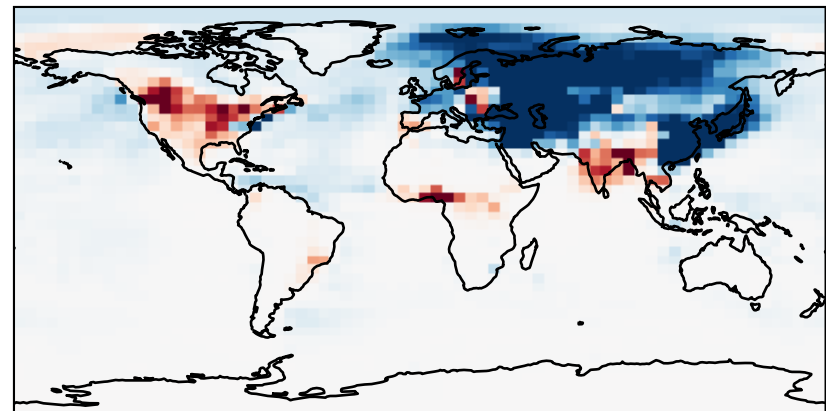
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



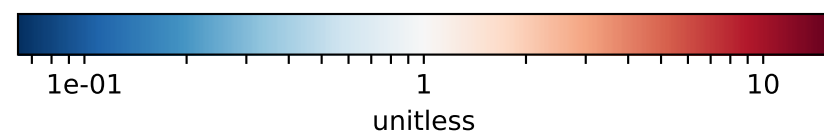
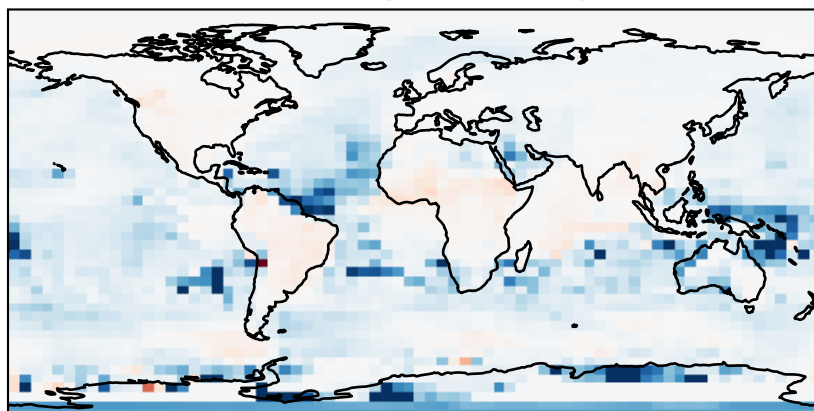
Difference  
Dev - Ref, Dynamic Range



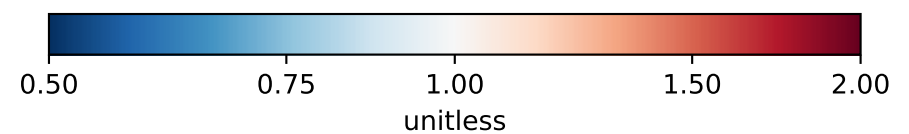
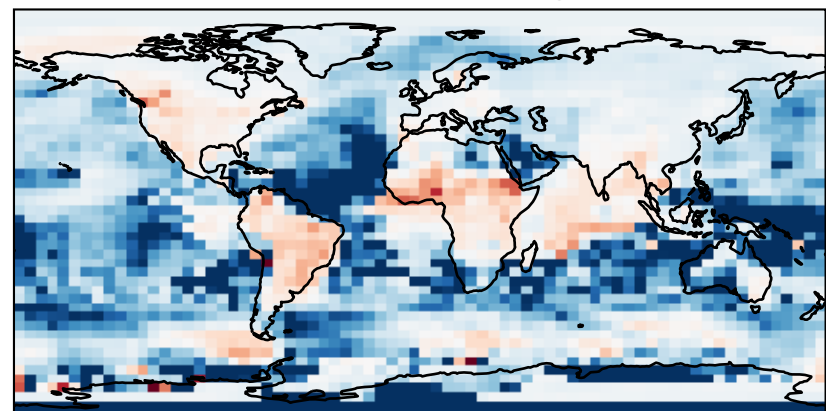
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

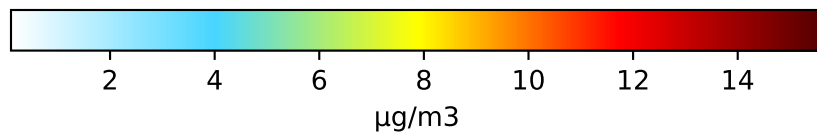
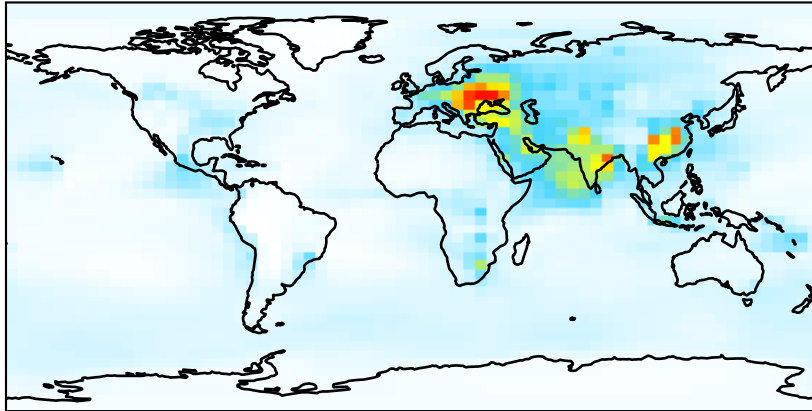


Ratio  
Dev/Ref, Fixed Range

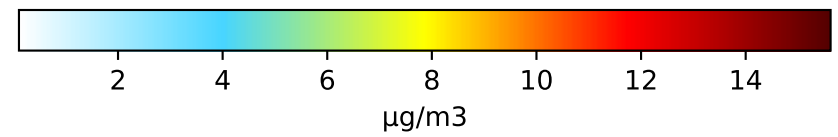
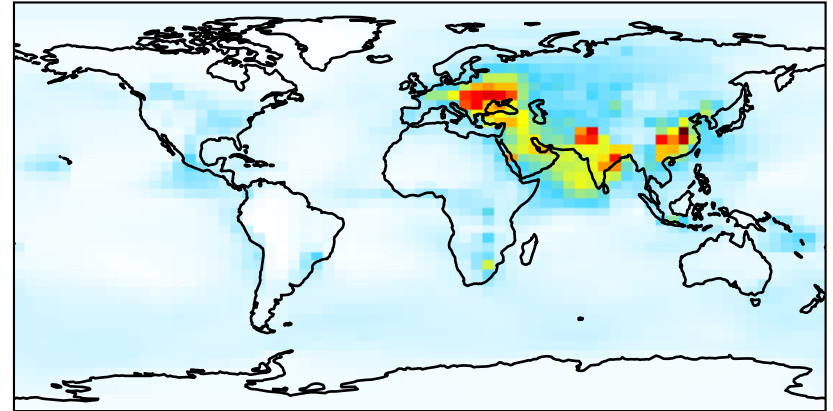


# SpeciesConc\_SO4 (Jan2019)

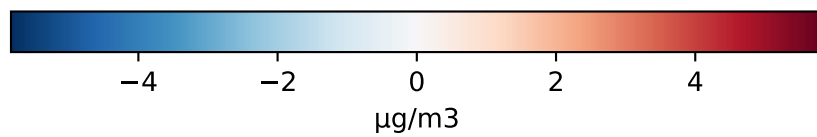
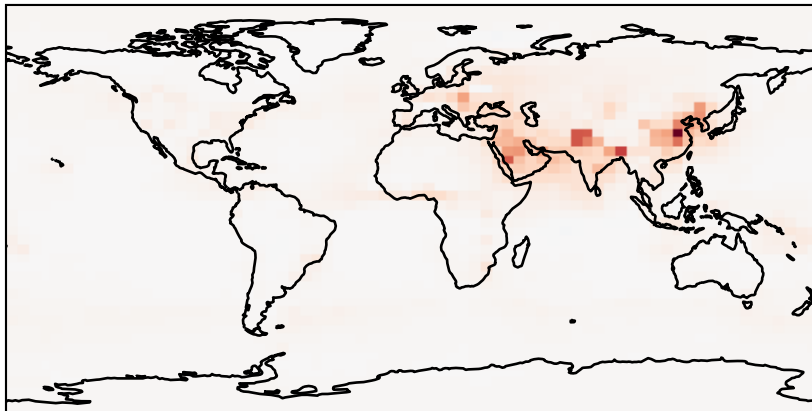
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



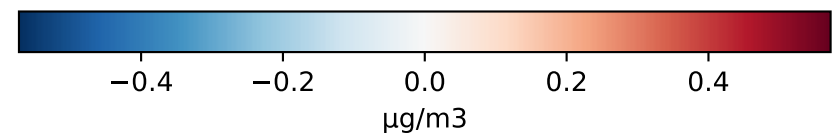
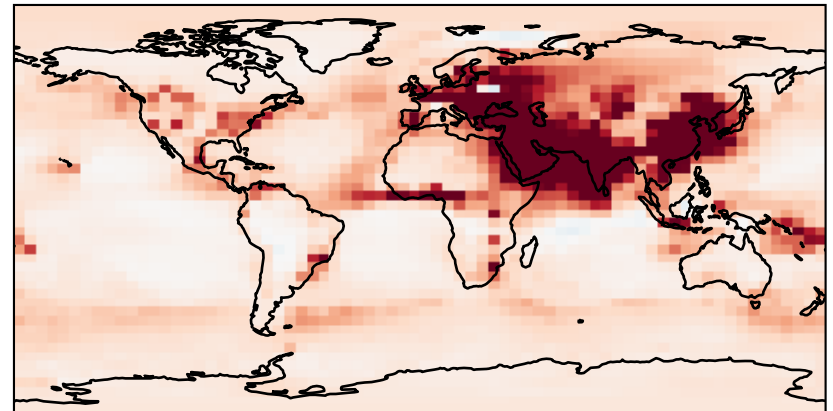
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



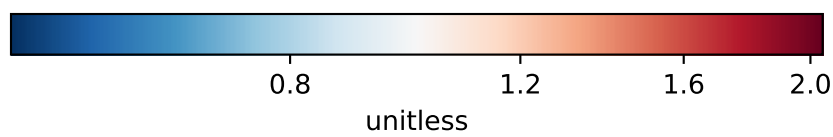
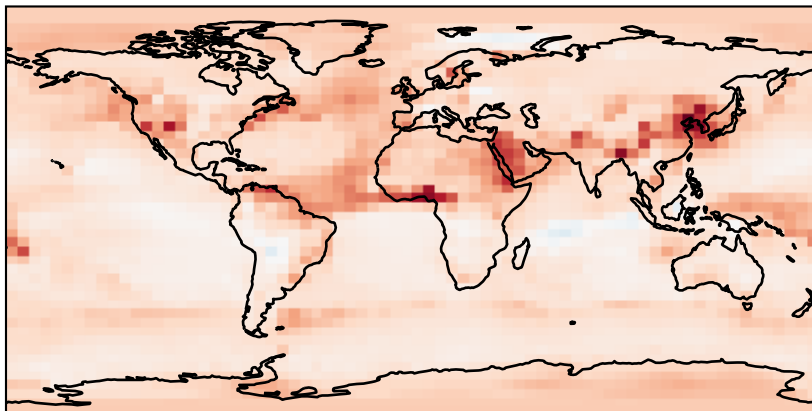
Difference  
Dev - Ref, Dynamic Range



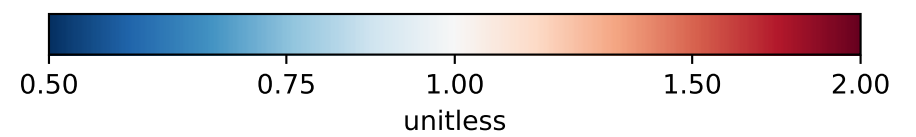
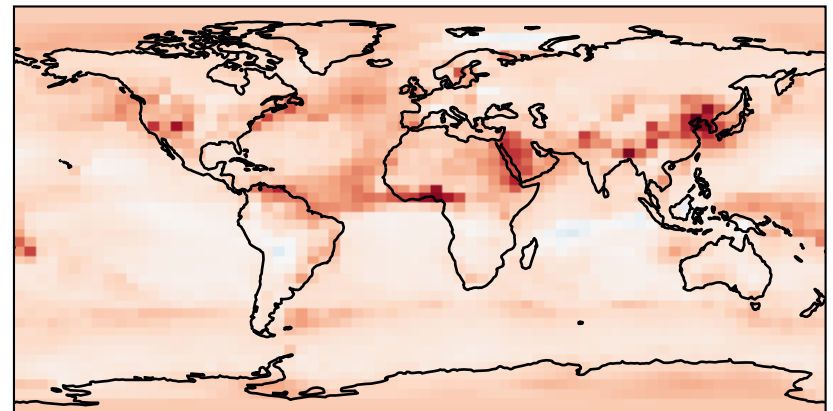
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

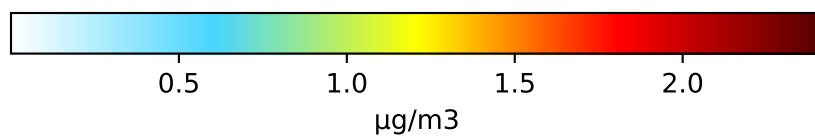


Ratio  
Dev/Ref, Fixed Range

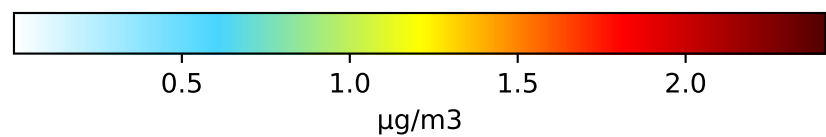
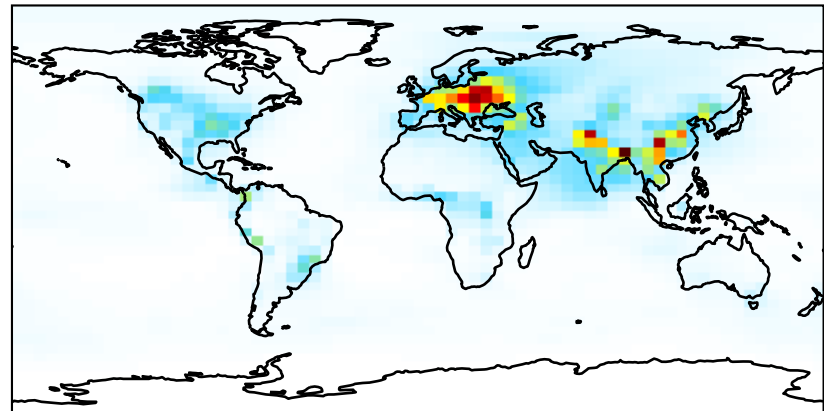


# SpeciesConc\_HMS (Jan2019)

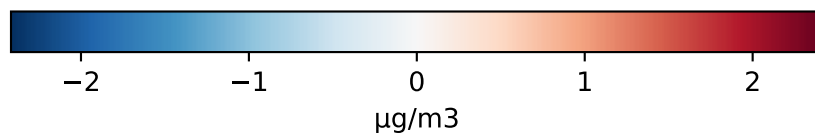
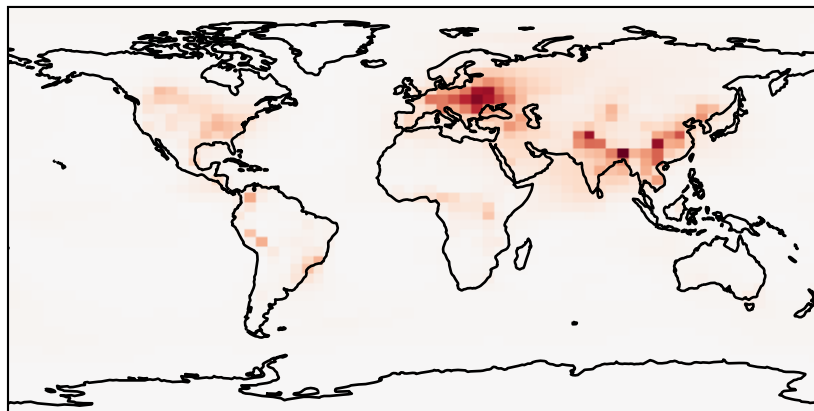
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



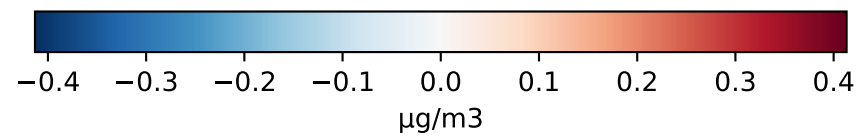
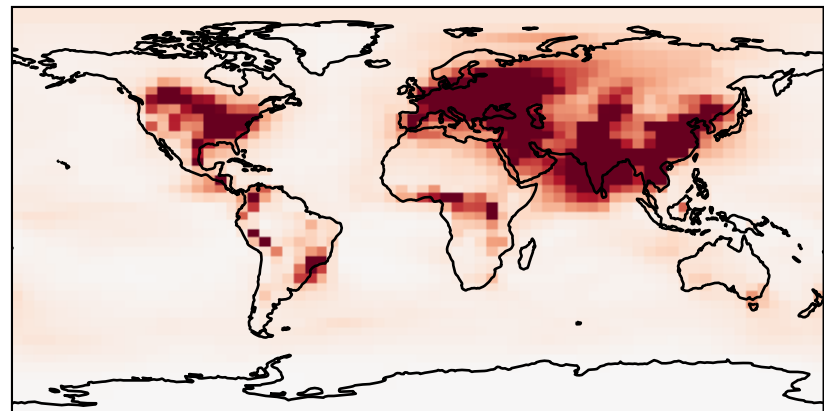
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



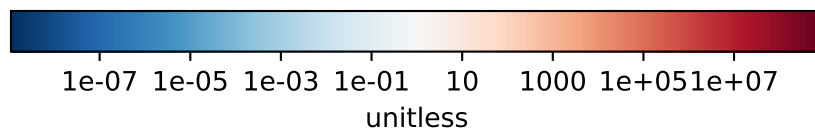
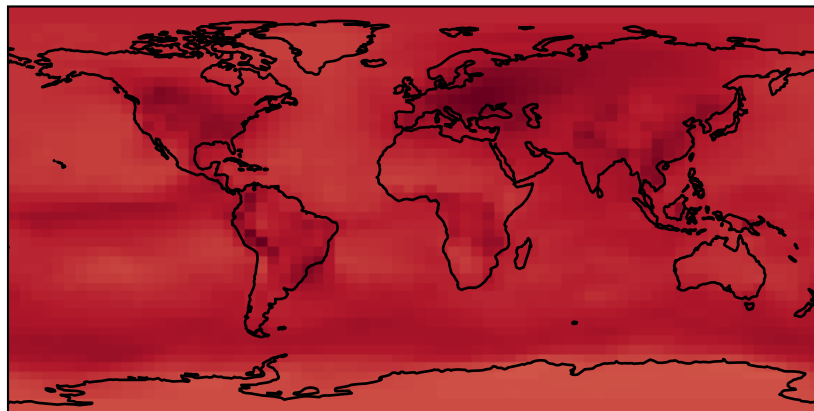
Difference  
Dev - Ref, Dynamic Range



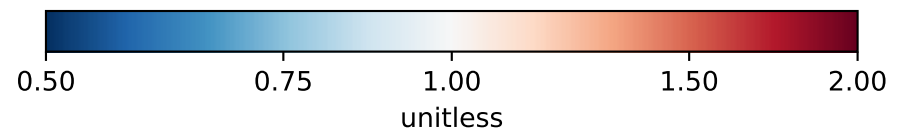
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

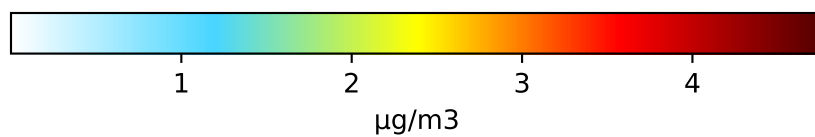
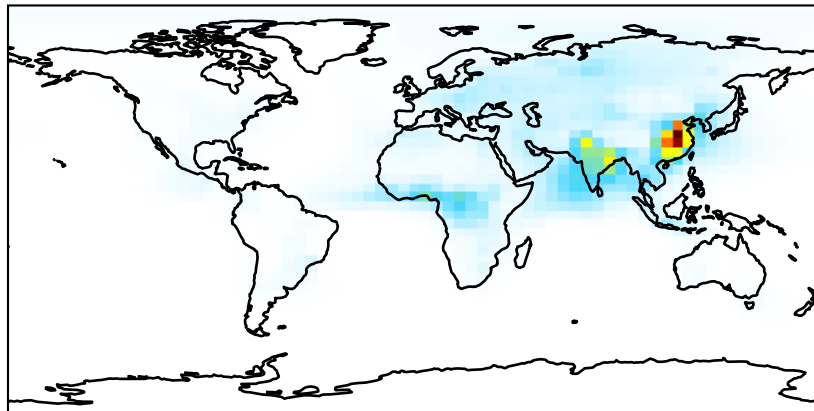


Ratio  
Dev/Ref, Fixed Range

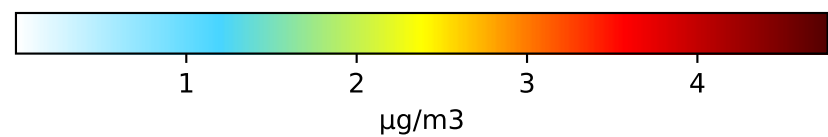
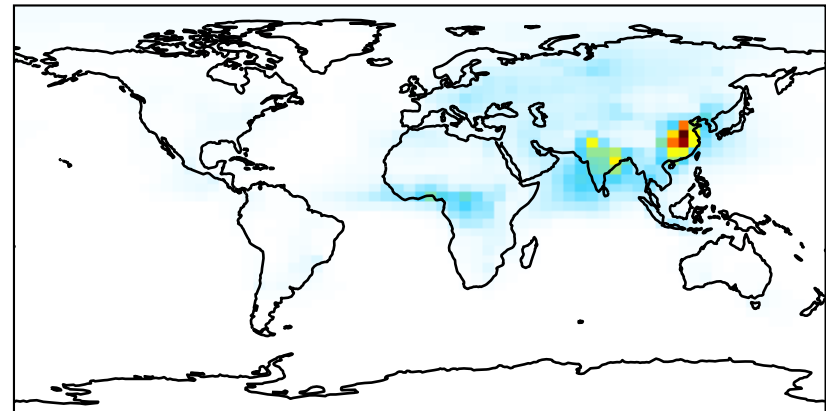


# SpeciesConc\_BCPI (Jan2019)

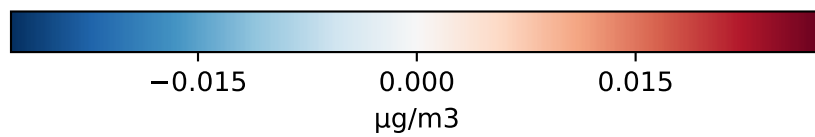
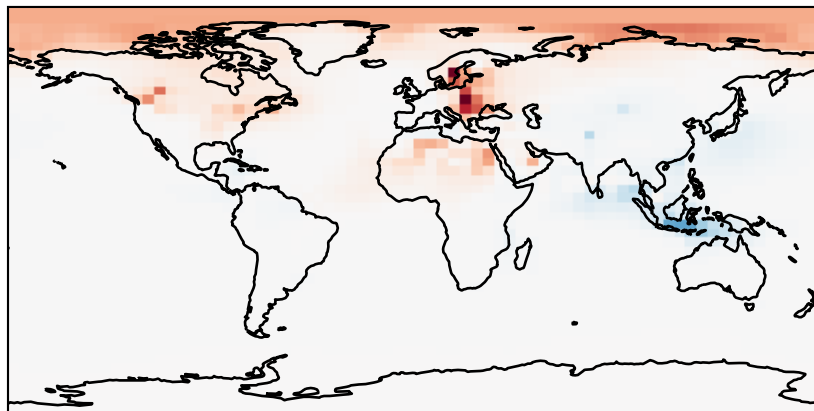
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



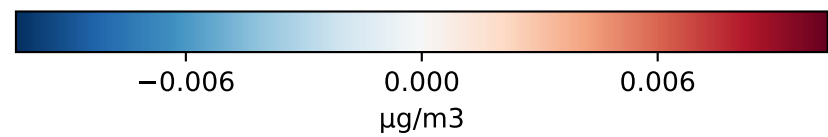
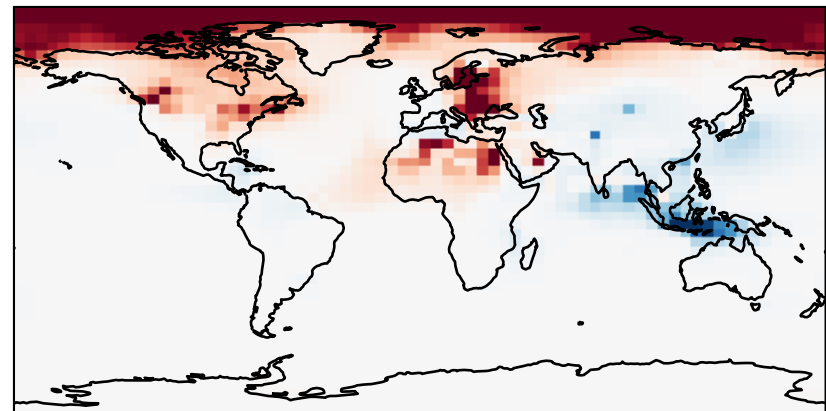
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



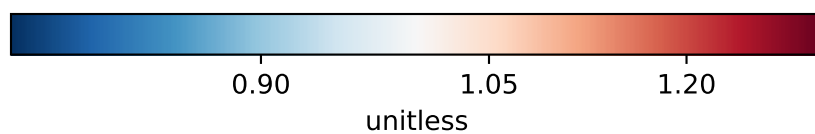
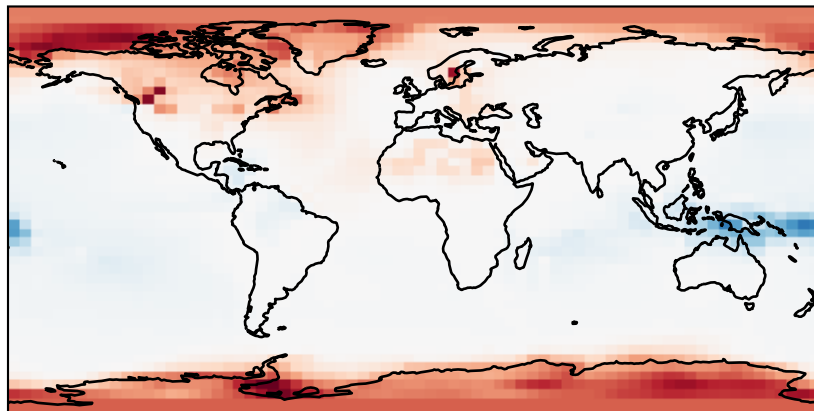
Difference  
Dev - Ref, Dynamic Range



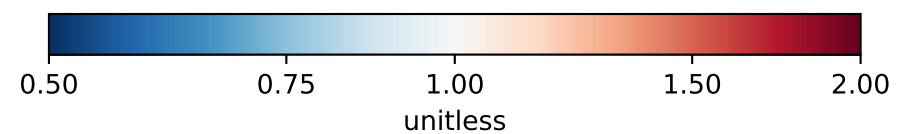
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

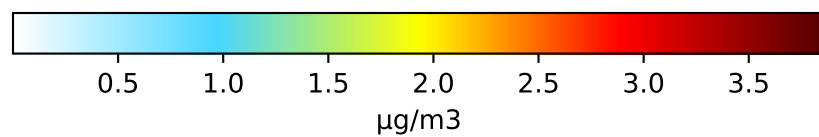
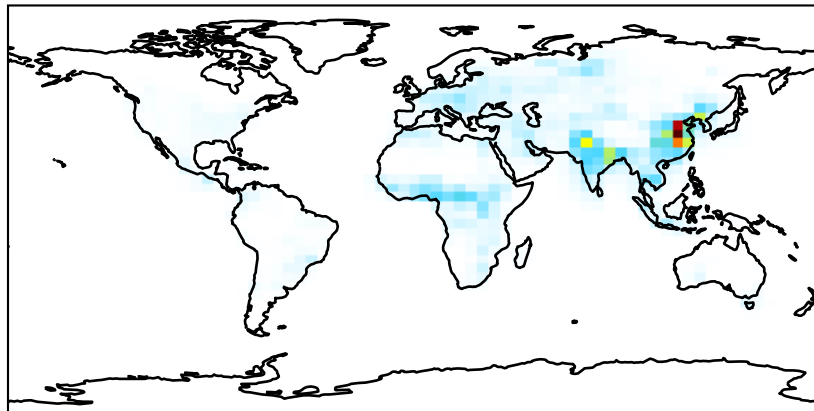


Ratio  
Dev/Ref, Fixed Range

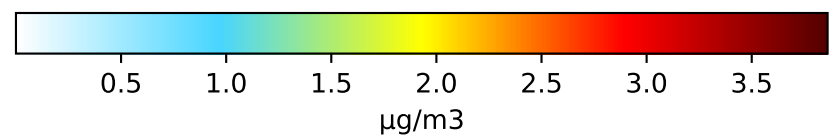
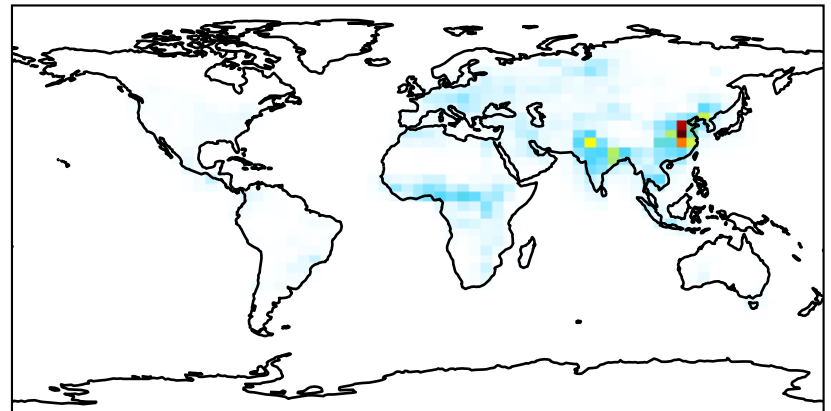


# SpeciesConc\_BCPO (Jan2019)

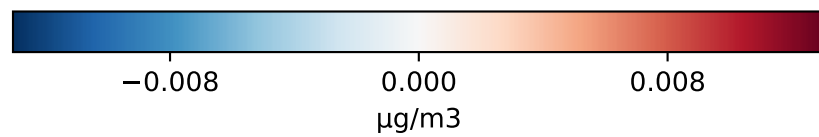
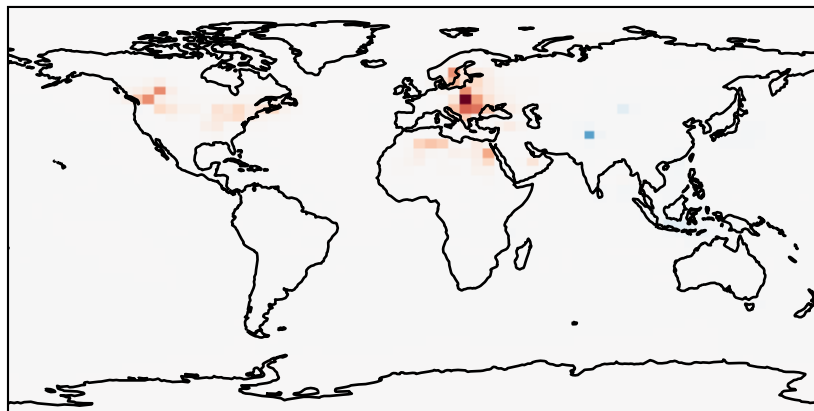
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



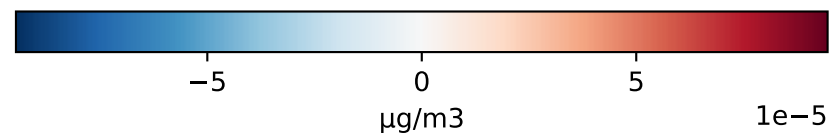
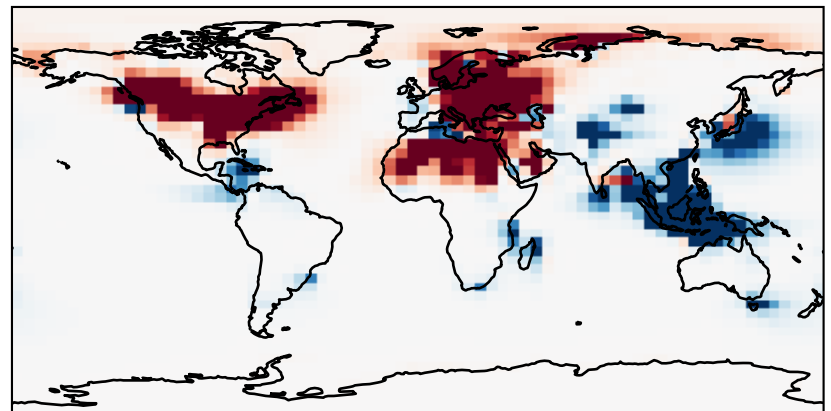
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



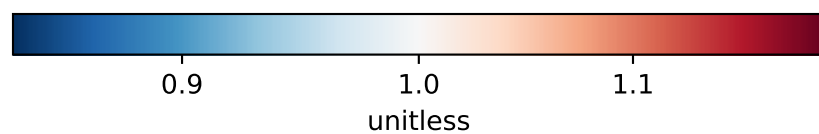
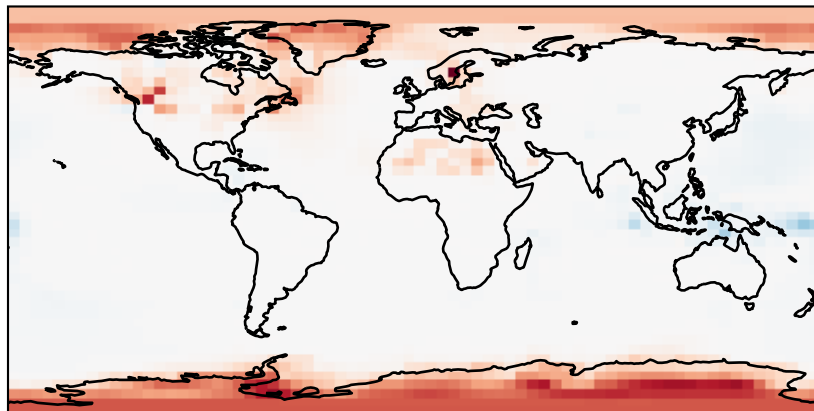
Difference  
Dev - Ref, Dynamic Range



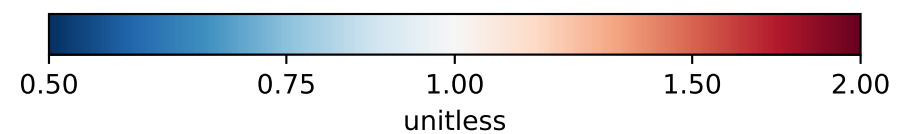
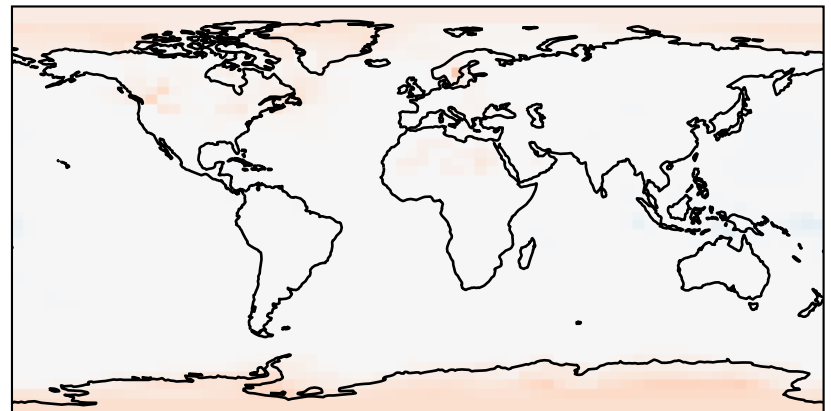
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

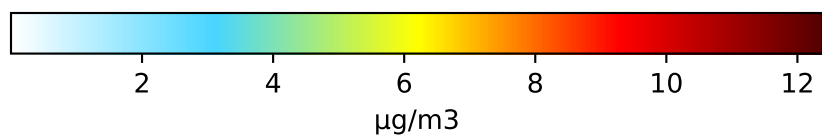
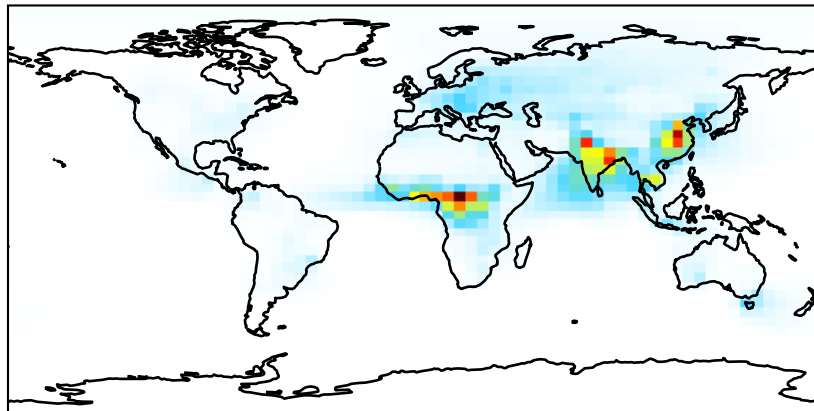


Ratio  
Dev/Ref, Fixed Range

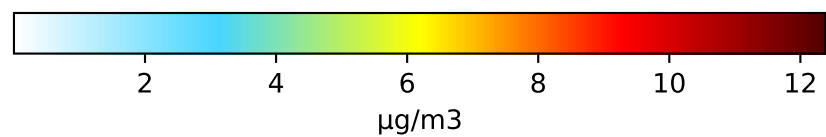
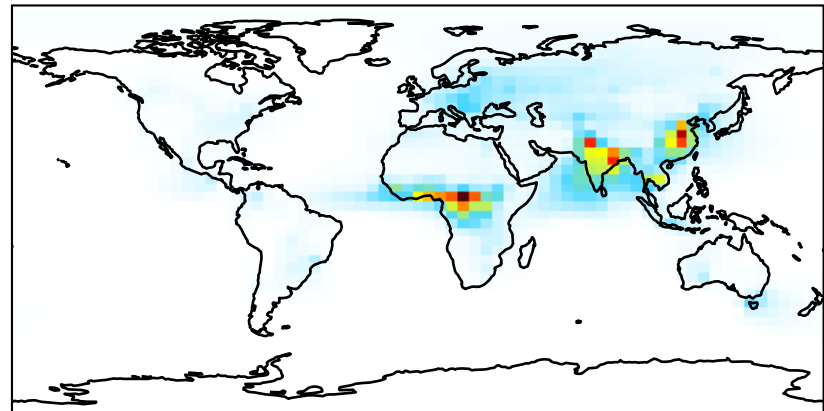


# SpeciesConc\_OCPI (Jan2019)

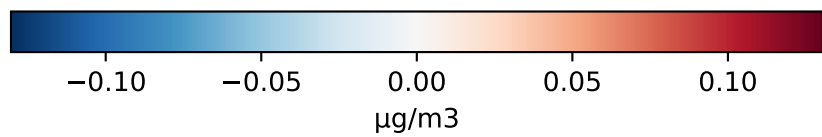
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



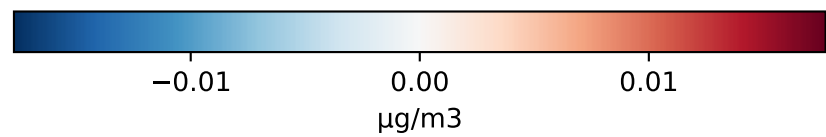
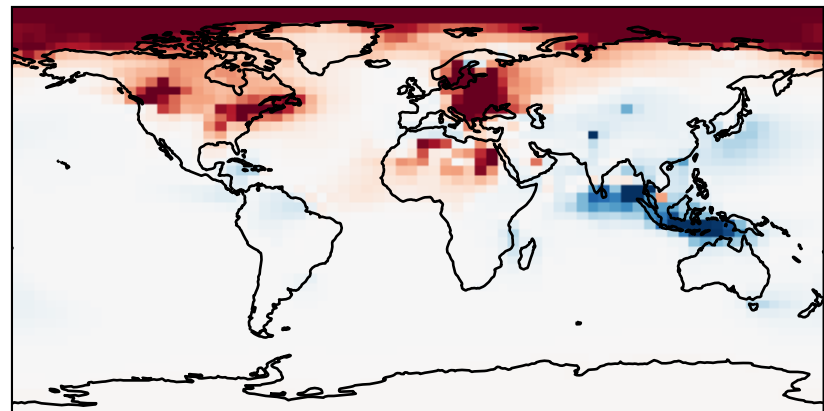
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



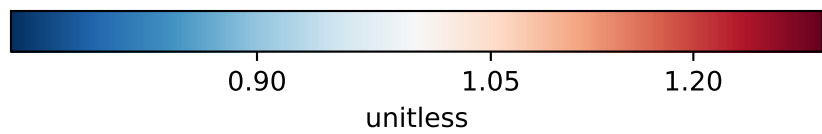
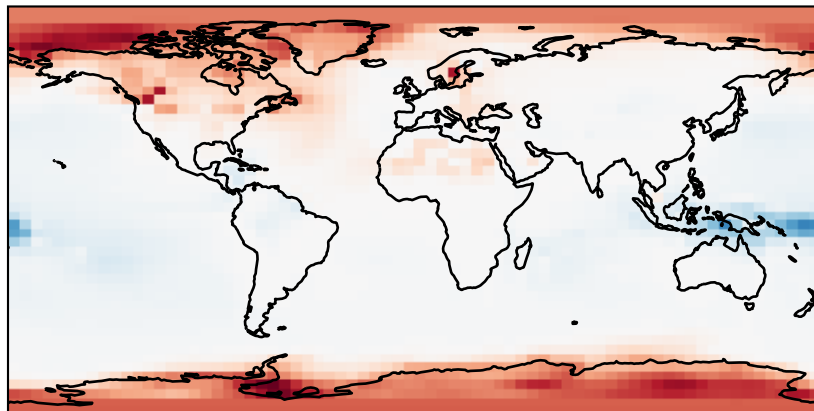
Difference  
Dev - Ref, Dynamic Range



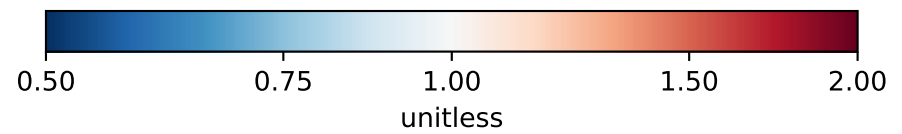
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

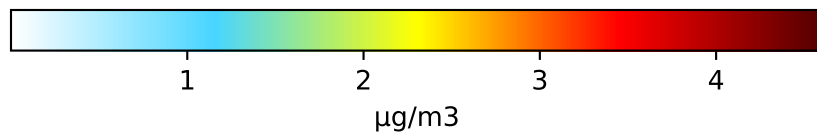
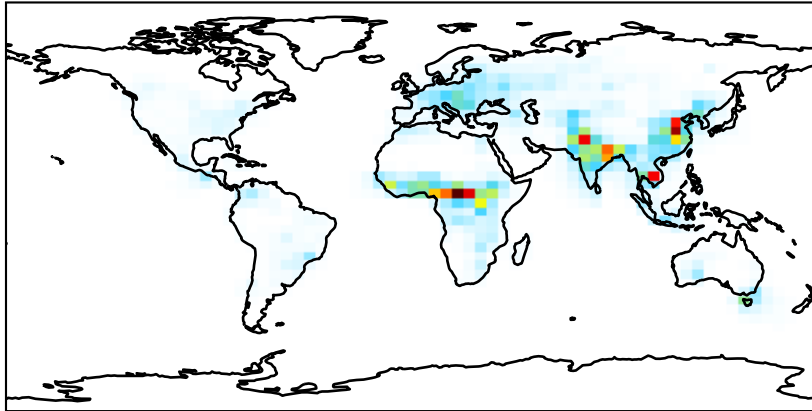


Ratio  
Dev/Ref, Fixed Range

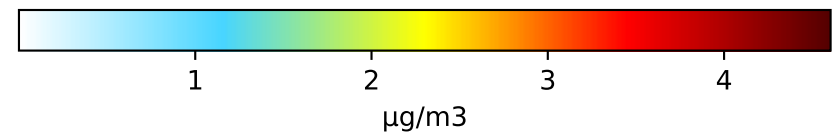
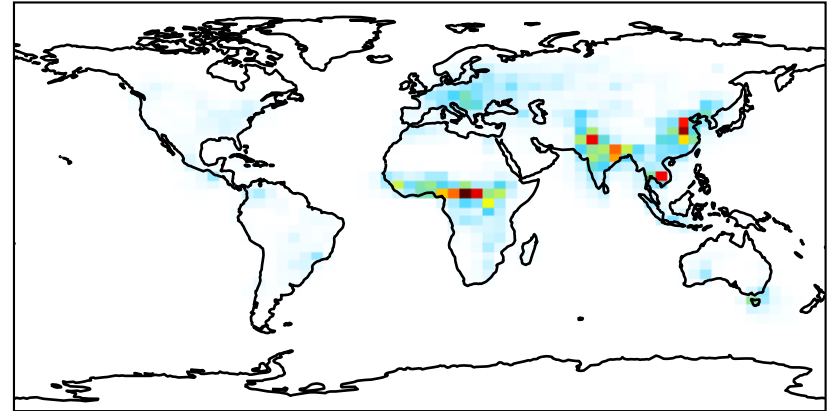


# SpeciesConc\_OCPO (Jan2019)

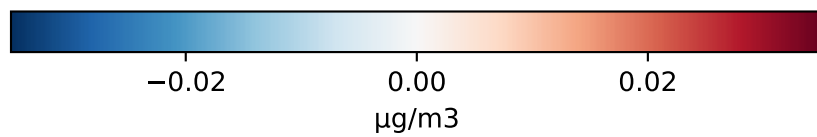
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



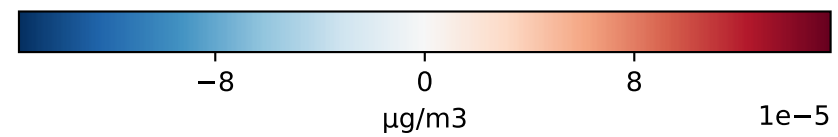
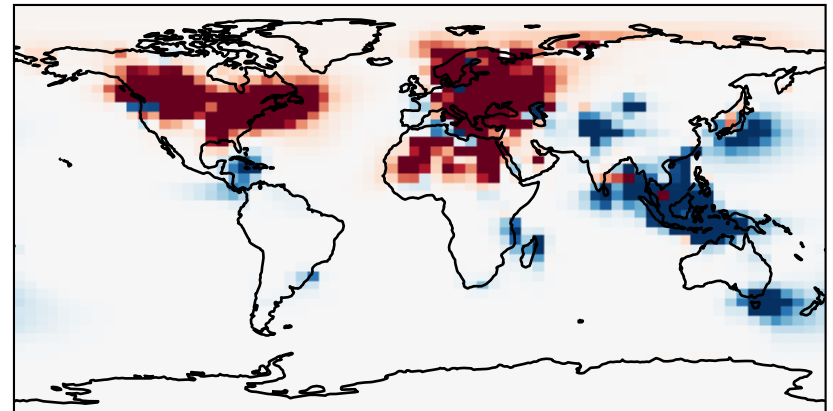
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



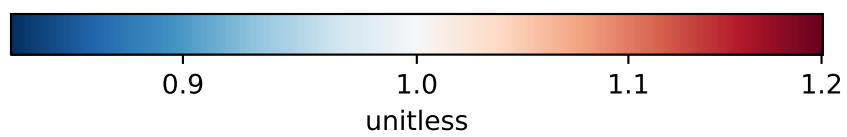
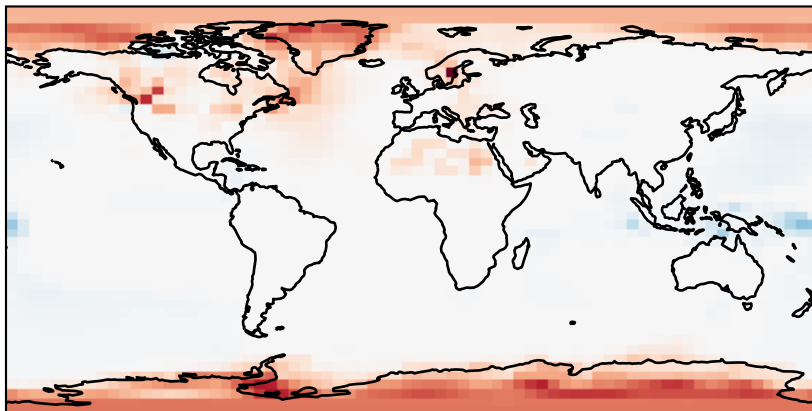
Difference  
Dev - Ref, Dynamic Range



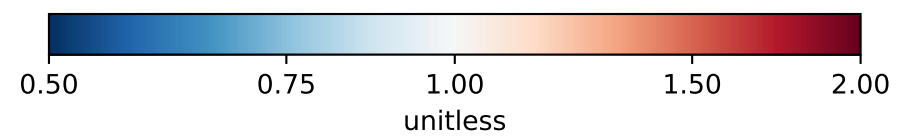
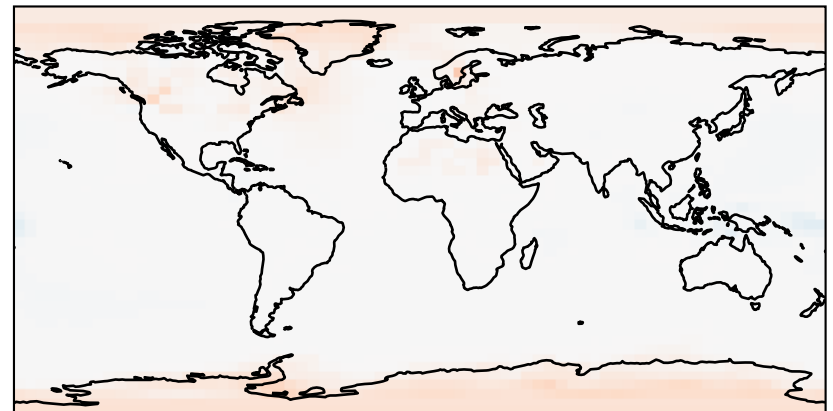
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

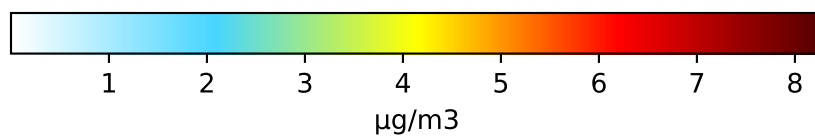
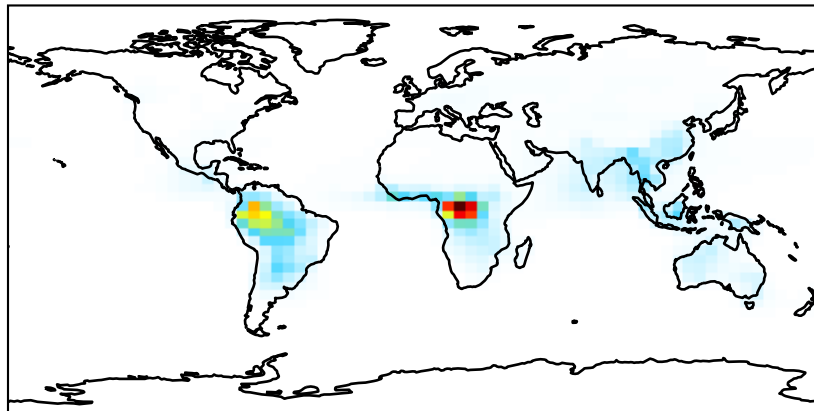


Ratio  
Dev/Ref, Fixed Range

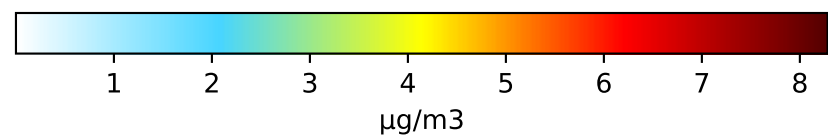
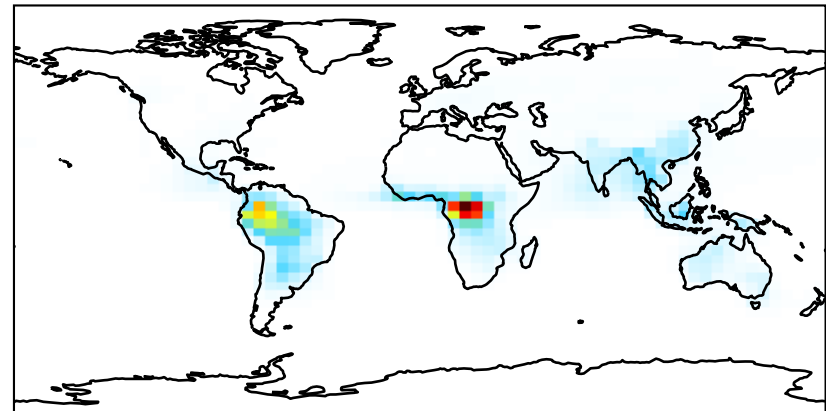


# SpeciesConc\_Complex\_SOA (Jan2019)

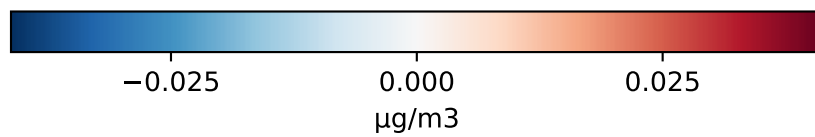
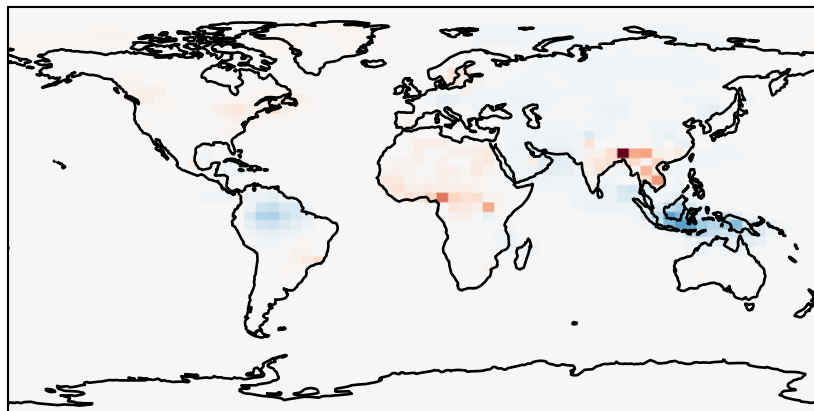
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



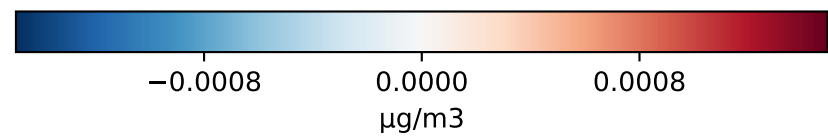
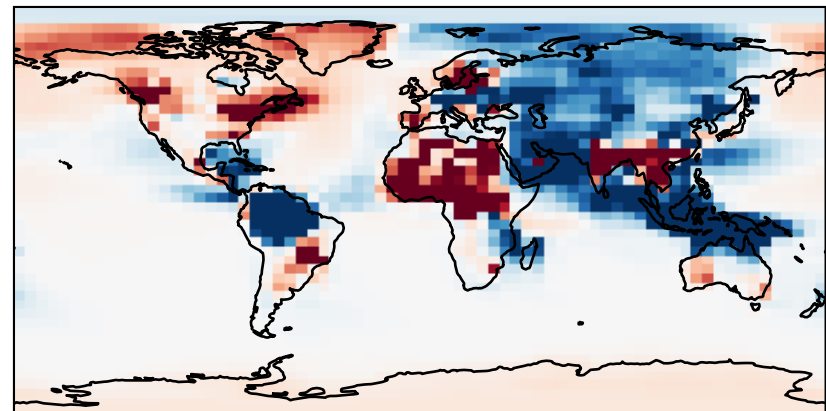
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



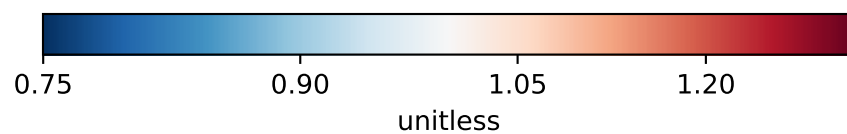
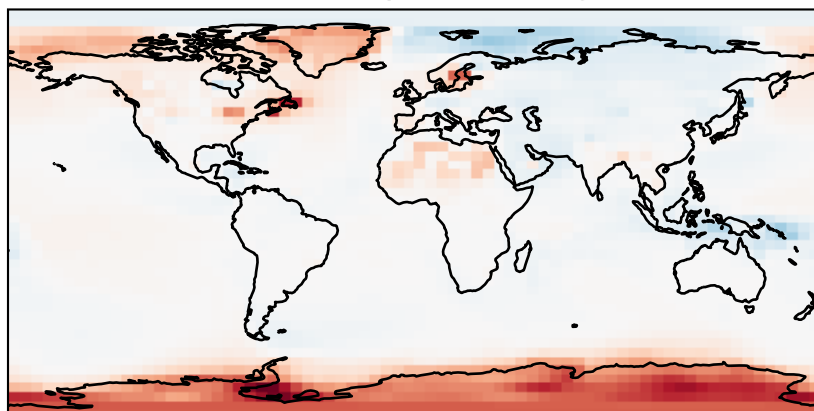
Difference  
Dev - Ref, Dynamic Range



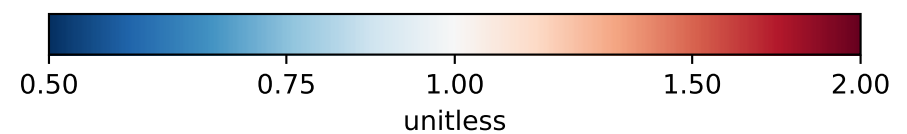
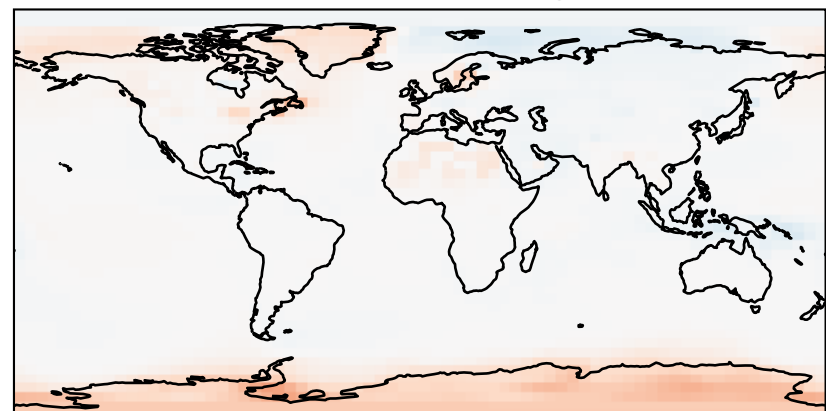
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

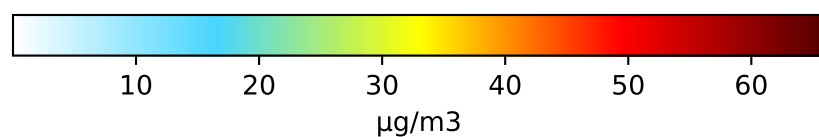
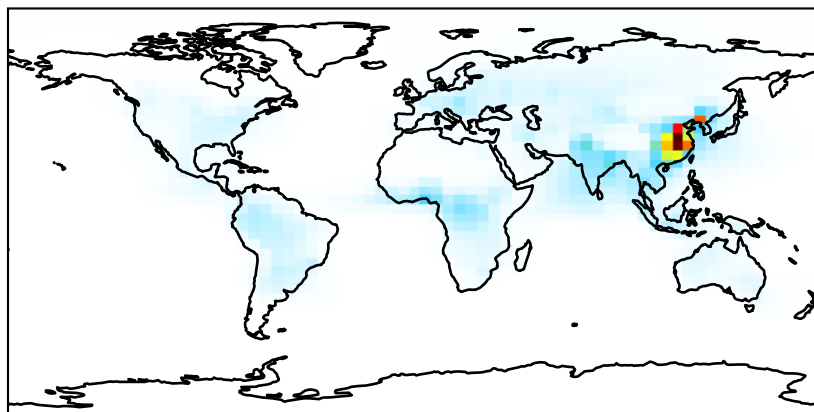


Ratio  
Dev/Ref, Fixed Range

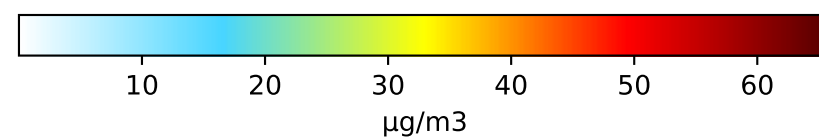
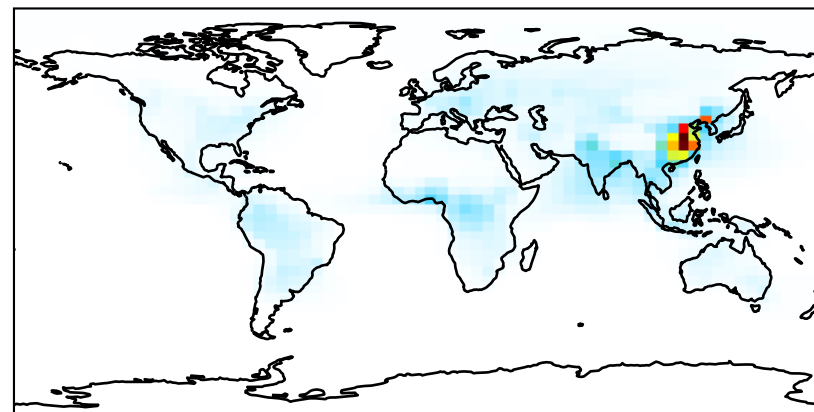


# SpeciesConc\_Simple\_SOA (Jan2019)

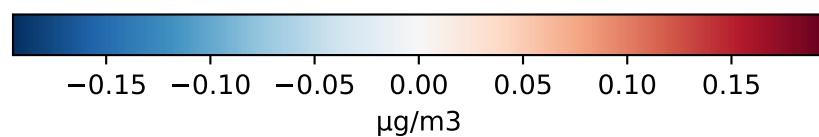
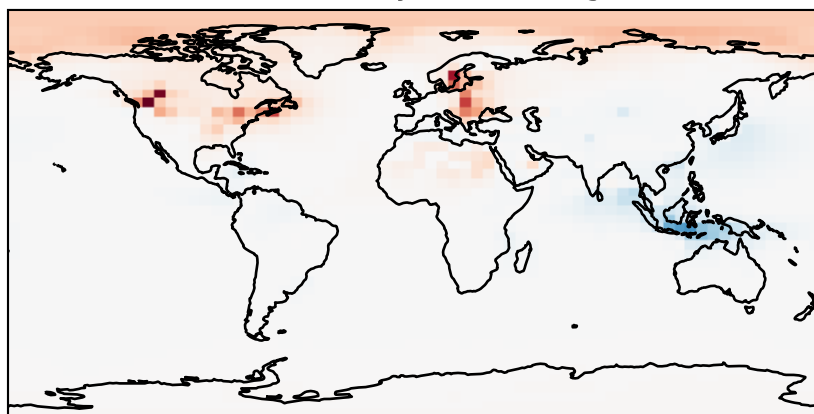
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



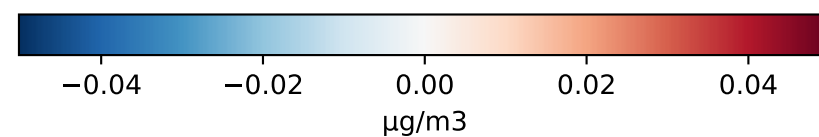
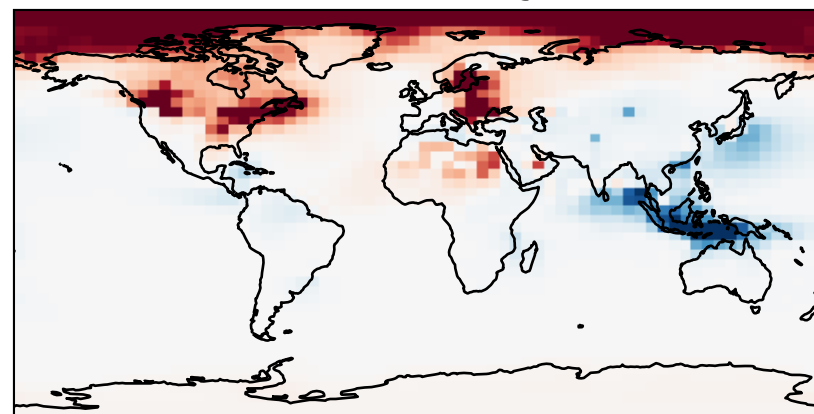
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



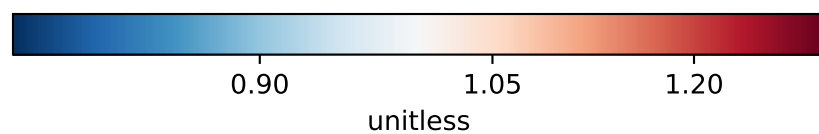
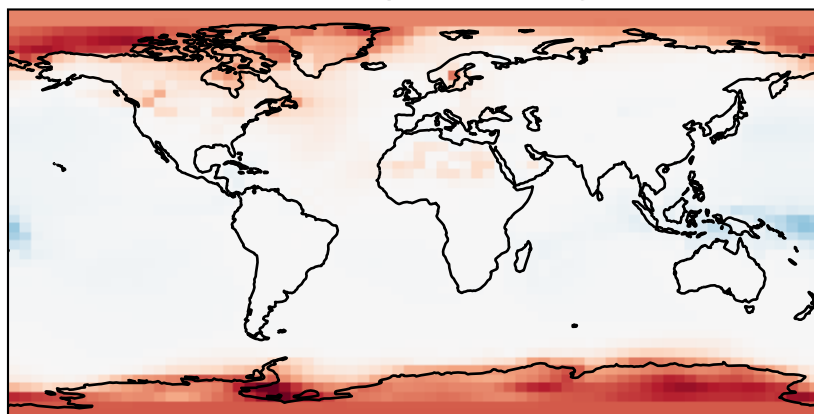
Difference  
Dev - Ref, Dynamic Range



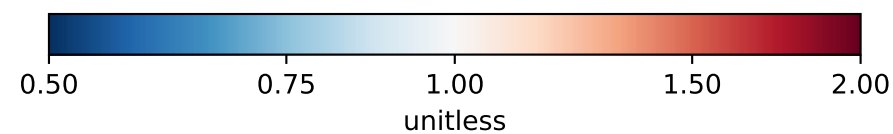
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

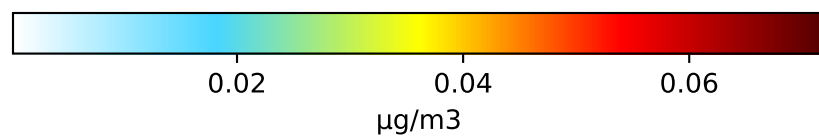
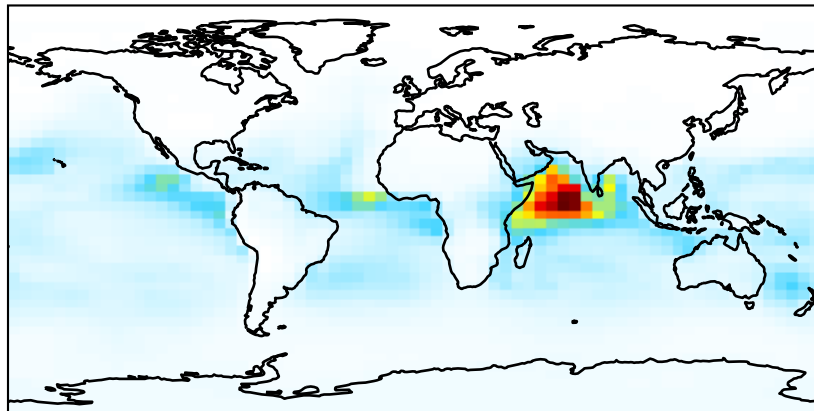


Ratio  
Dev/Ref, Fixed Range

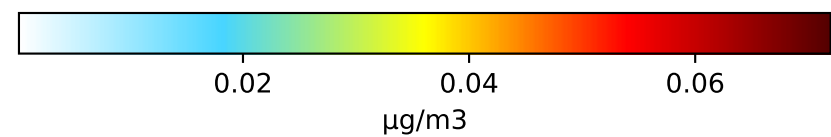
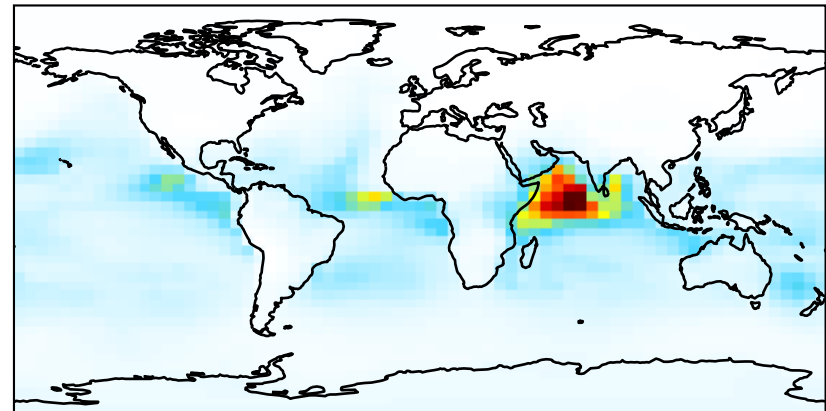


# SpeciesConc\_AERI (Jan2019)

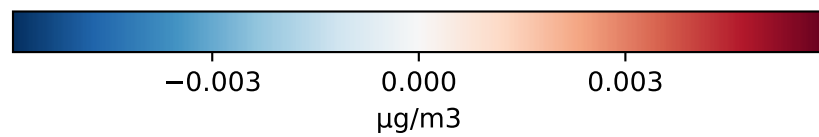
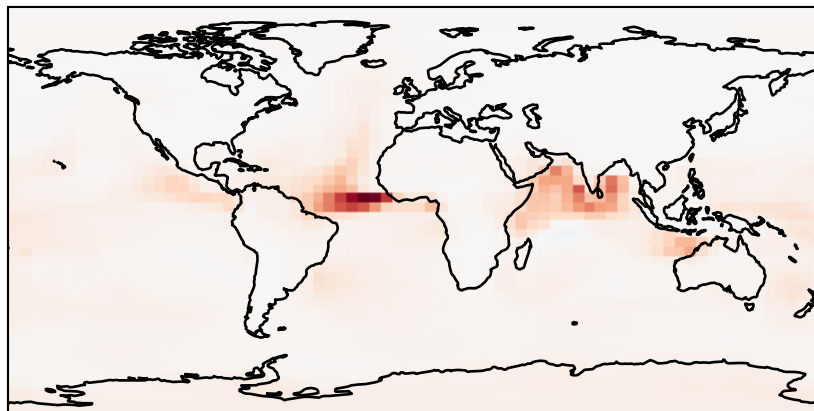
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



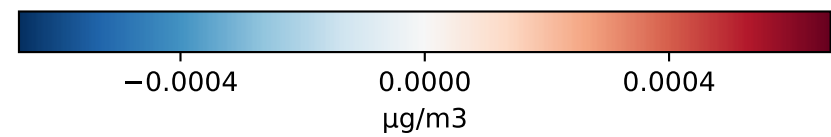
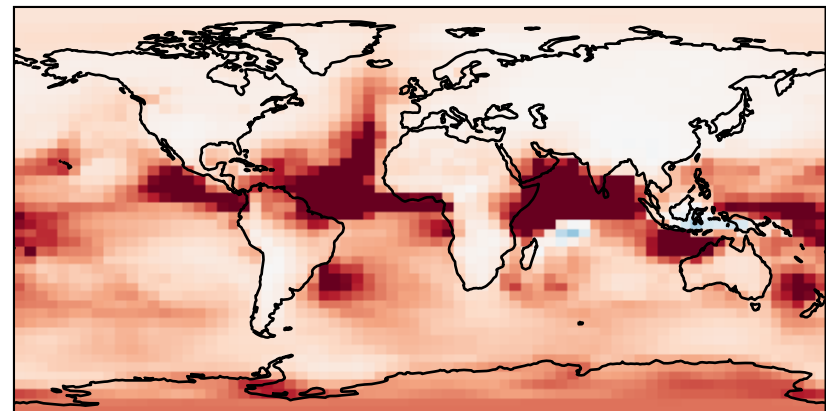
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



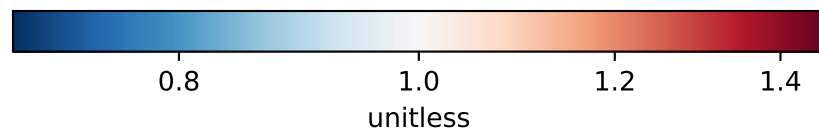
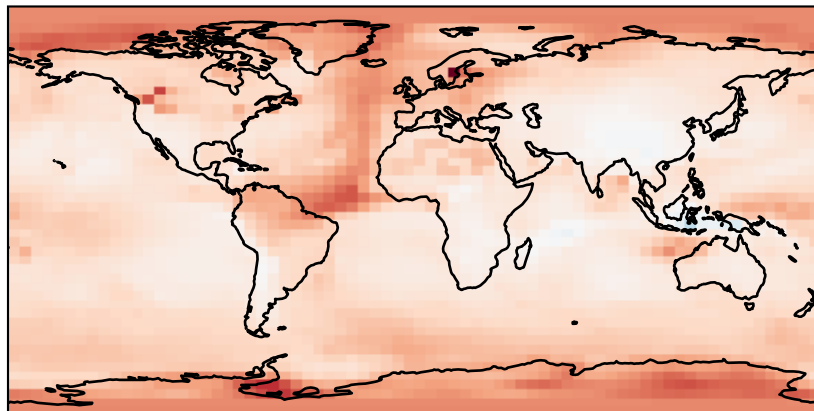
Difference  
Dev - Ref, Dynamic Range



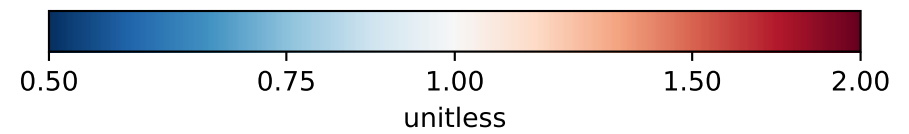
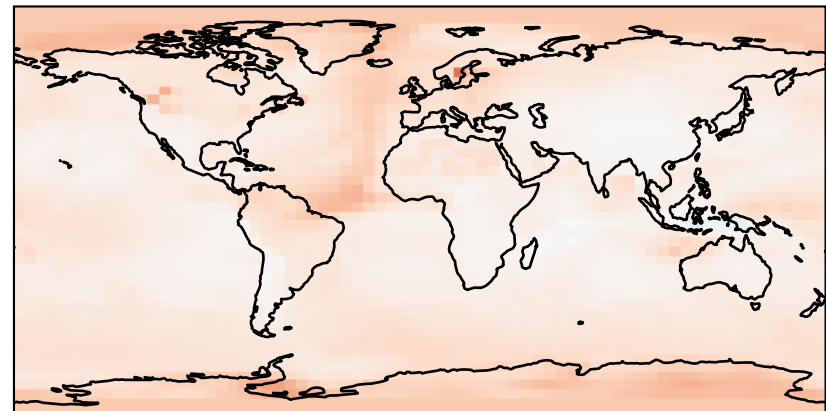
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

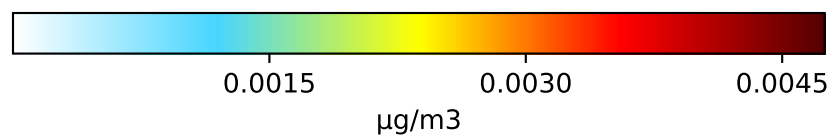
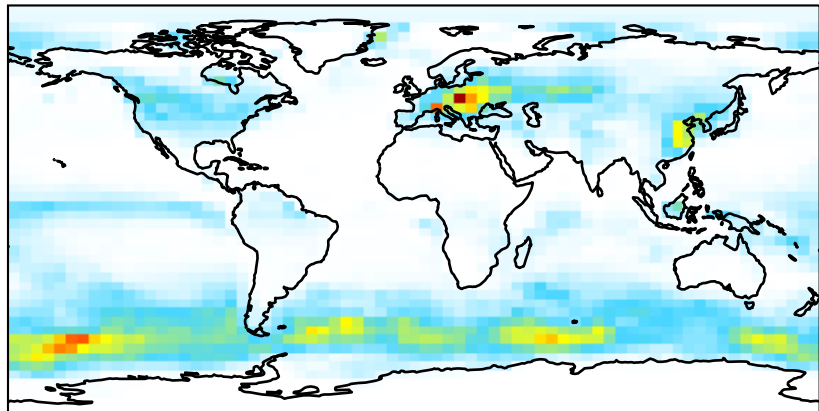


Ratio  
Dev/Ref, Fixed Range

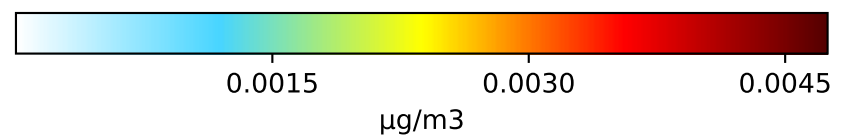
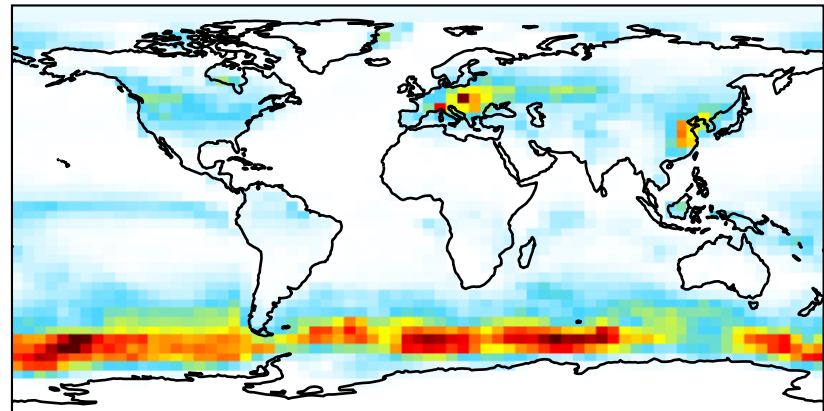


# SpeciesConc\_BrSALA (Jan2019)

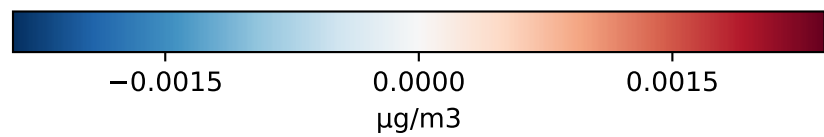
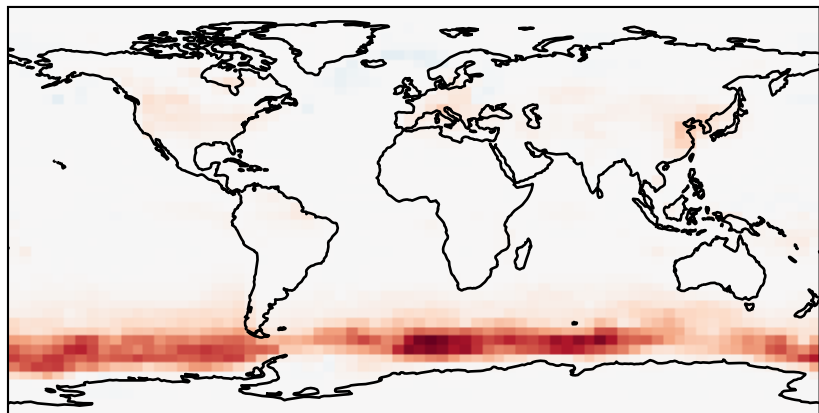
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



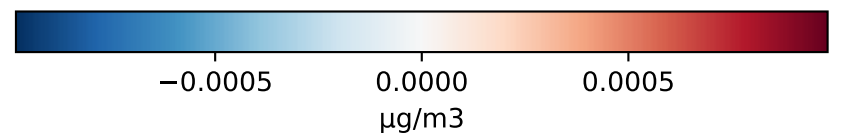
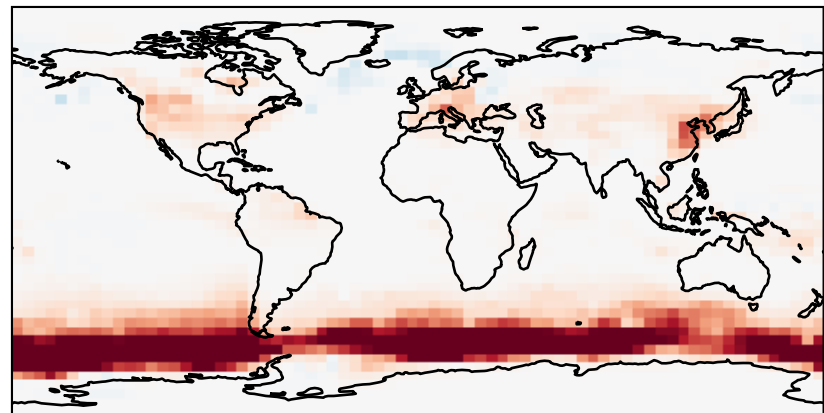
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



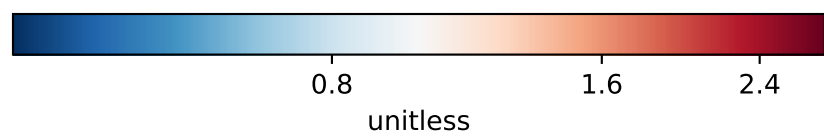
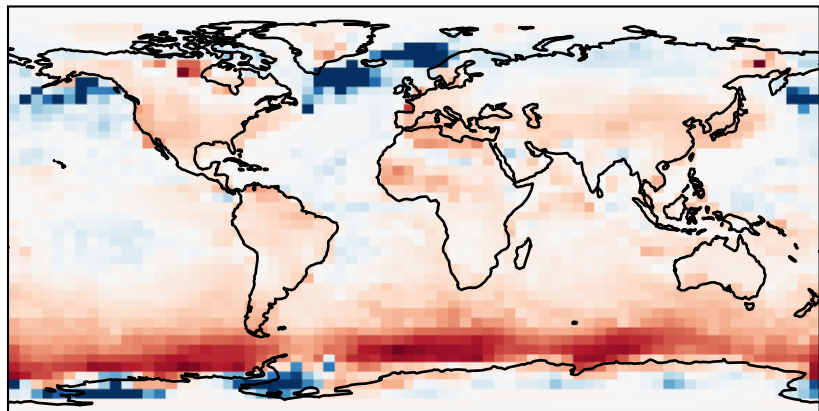
Difference  
Dev - Ref, Dynamic Range



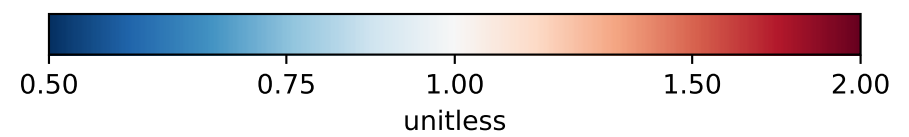
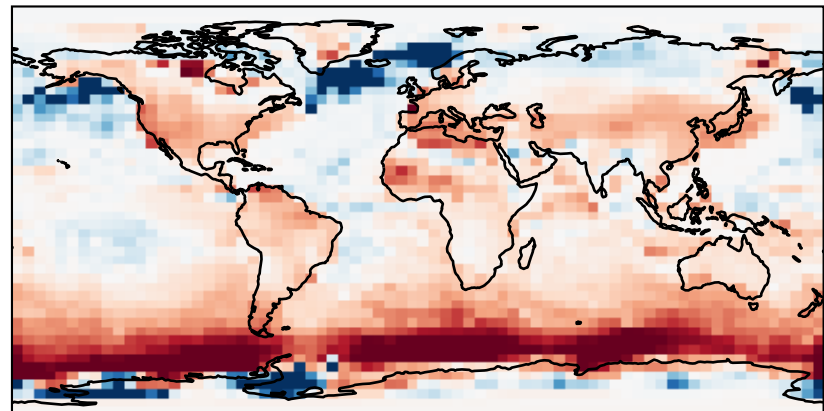
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

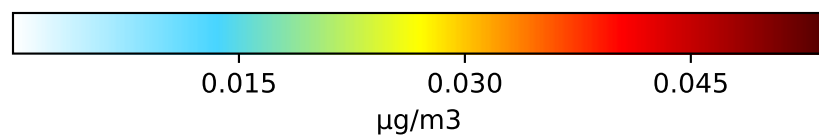
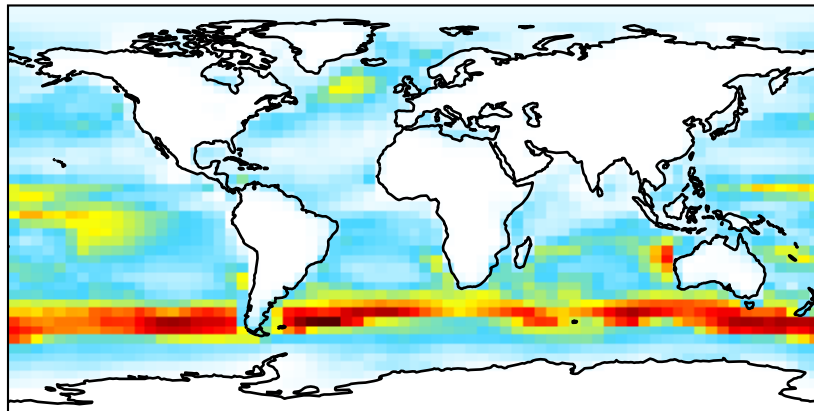


Ratio  
Dev/Ref, Fixed Range

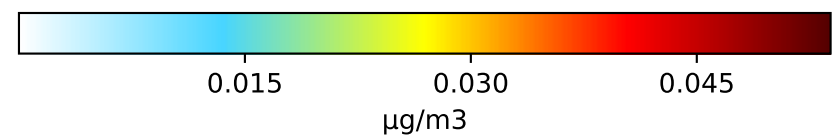
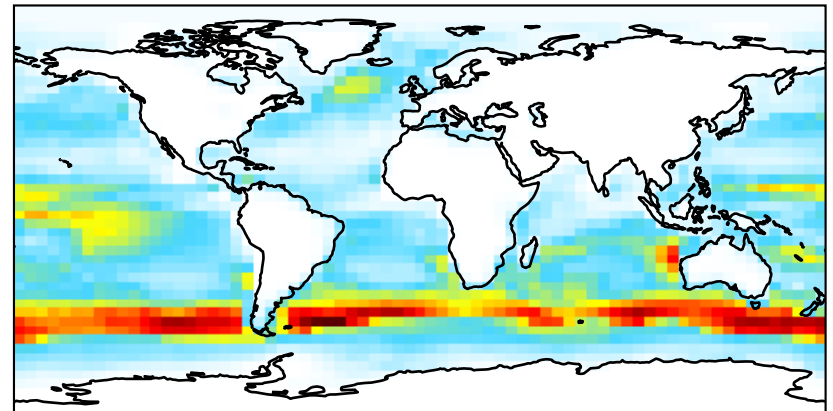


# SpeciesConc\_BrSALC (Jan2019)

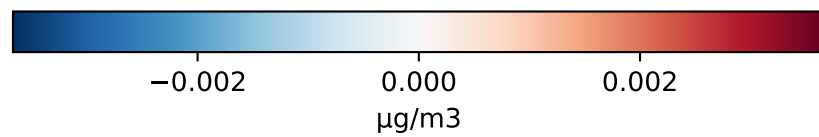
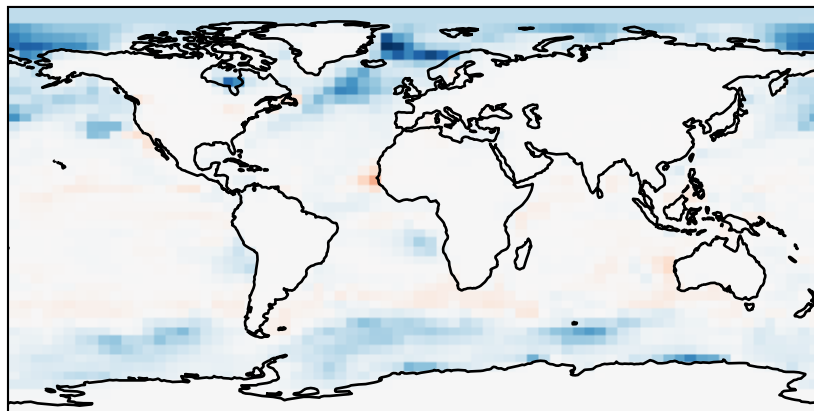
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



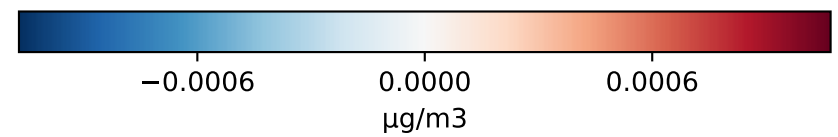
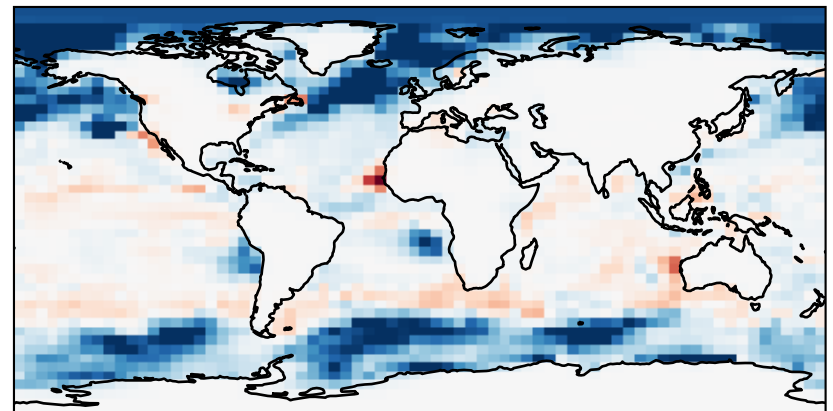
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



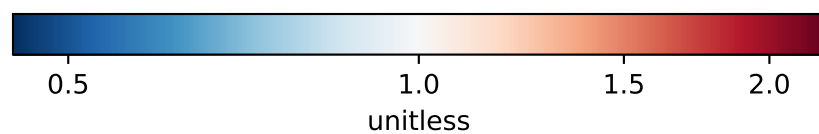
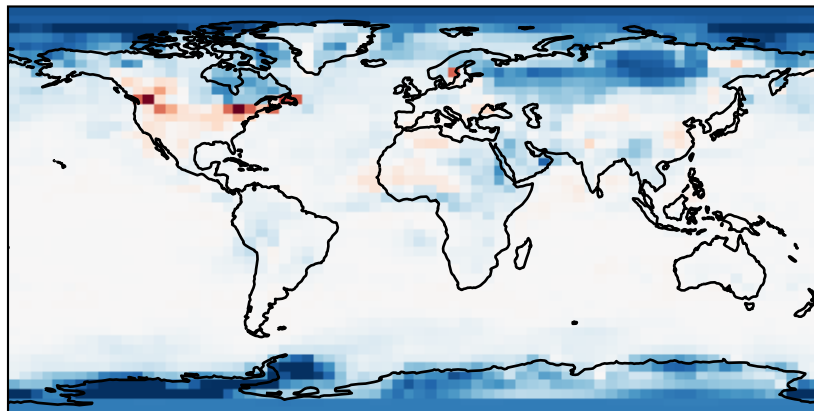
Difference  
Dev - Ref, Dynamic Range



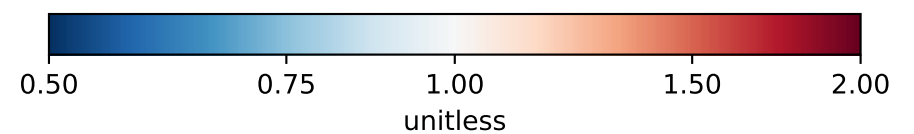
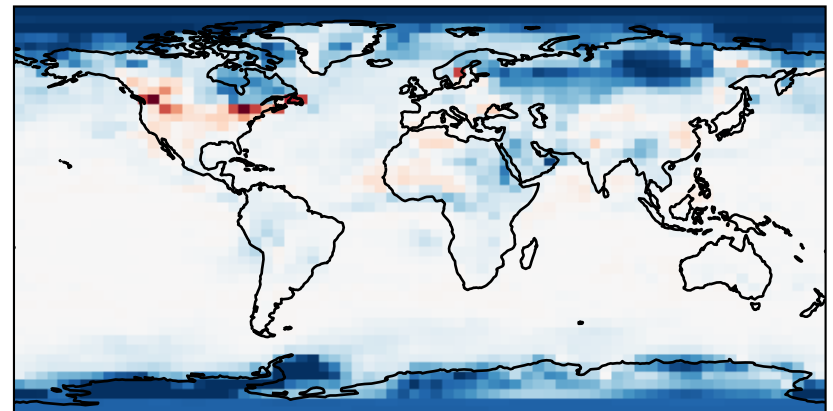
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

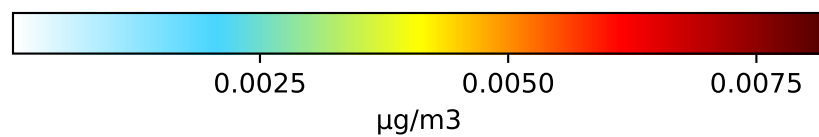
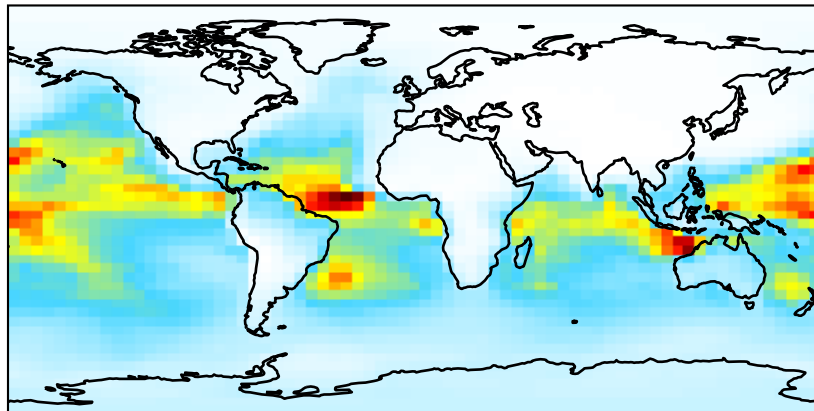


Ratio  
Dev/Ref, Fixed Range

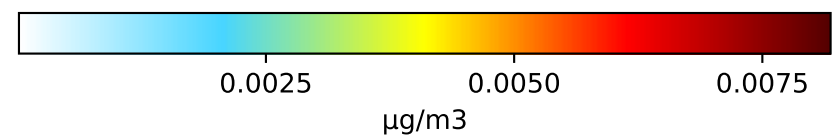
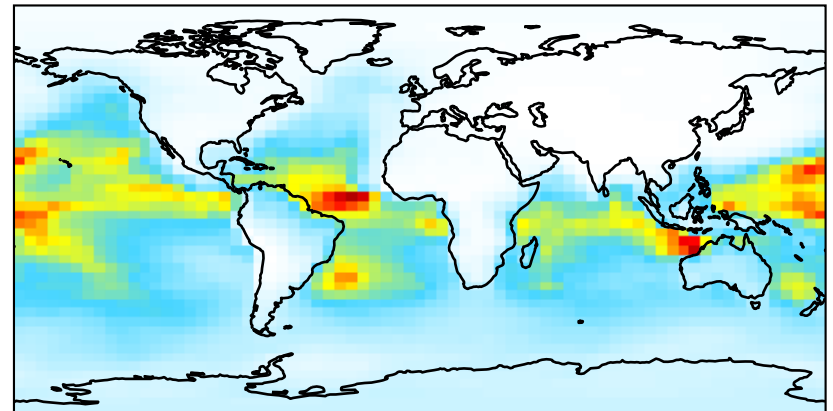


# SpeciesConc\_ISALA (Jan2019)

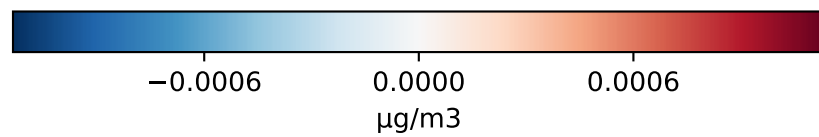
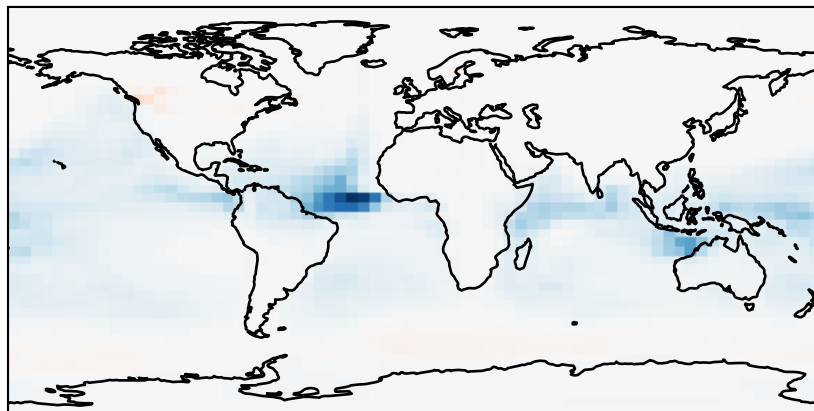
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



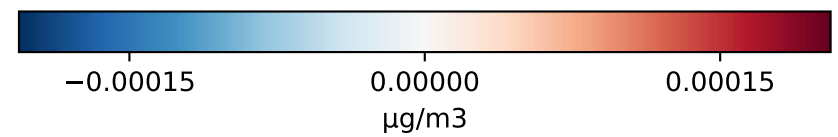
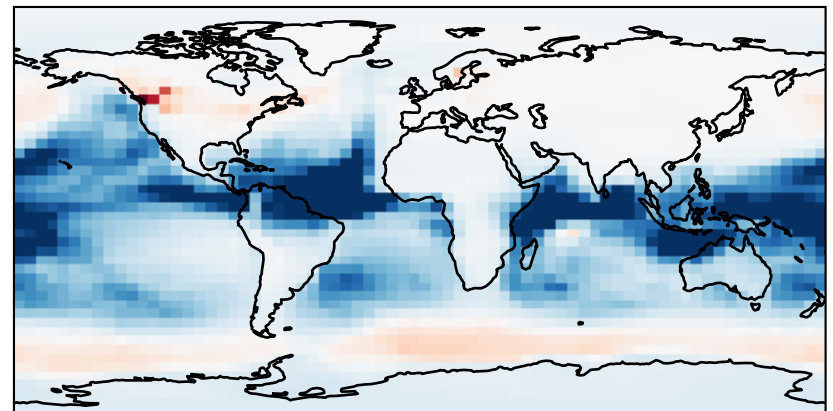
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



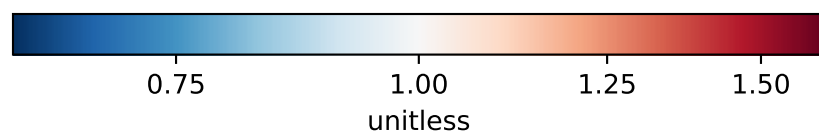
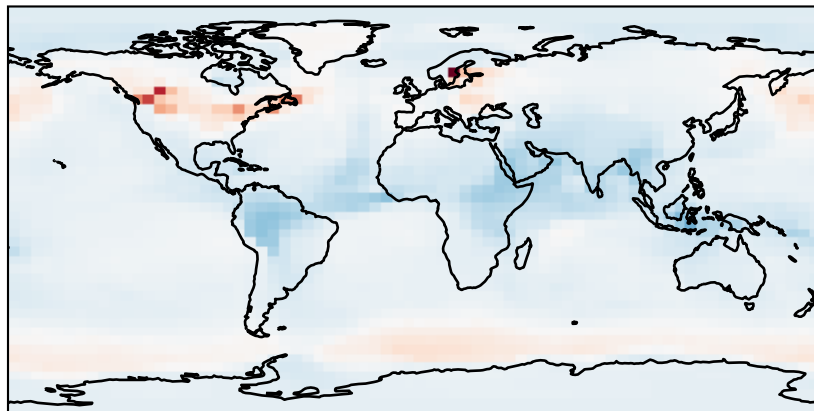
Difference  
Dev - Ref, Dynamic Range



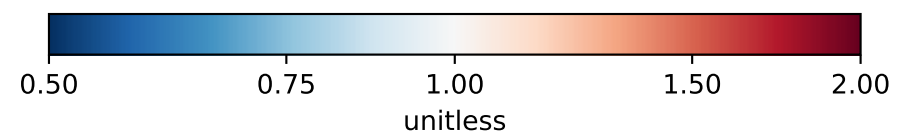
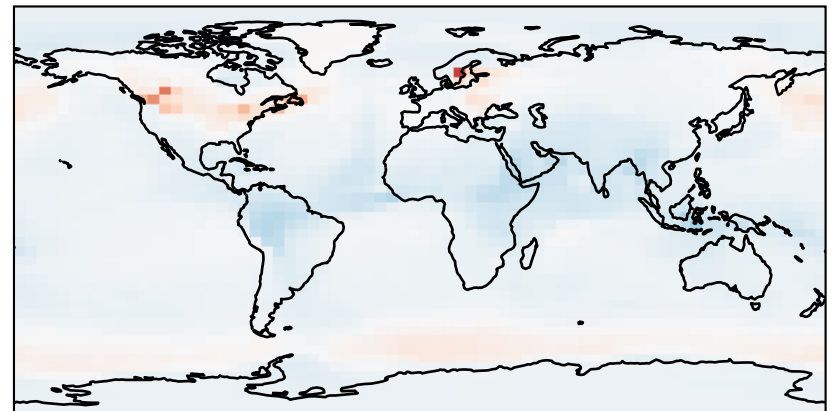
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

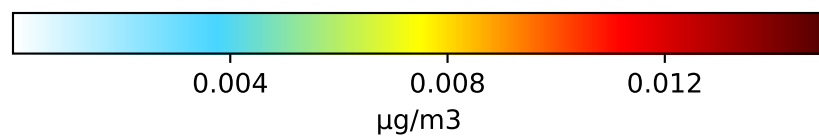
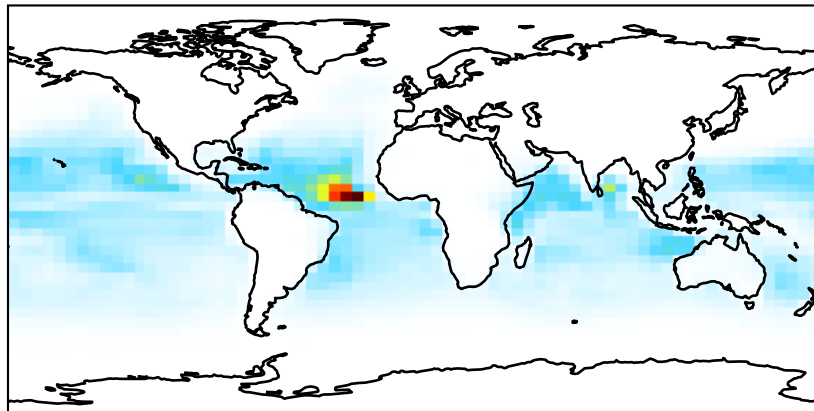


Ratio  
Dev/Ref, Fixed Range

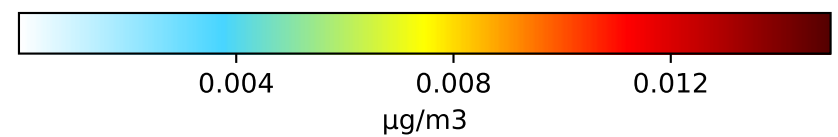
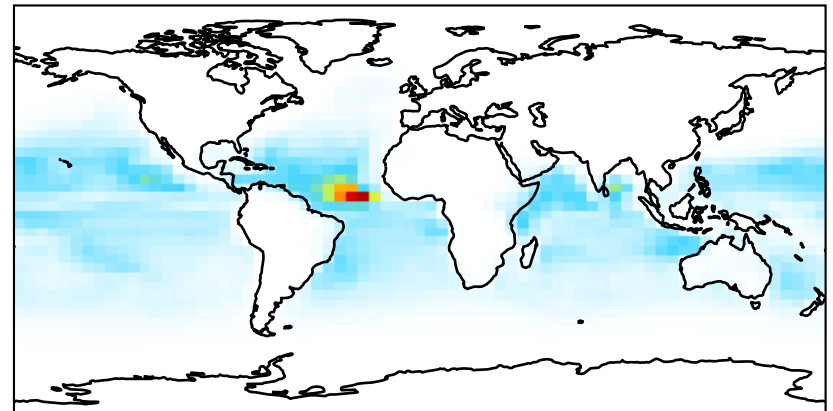


# SpeciesConc\_ISALC (Jan2019)

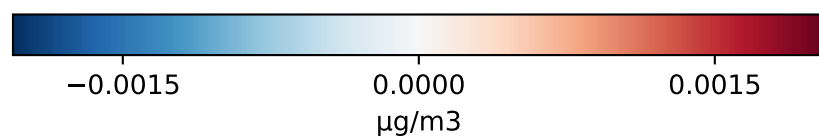
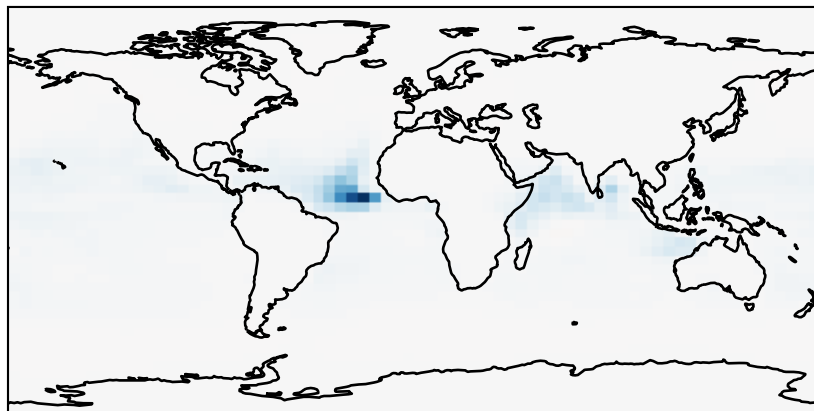
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



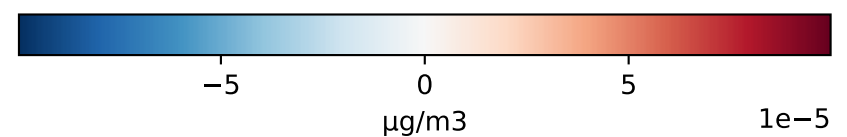
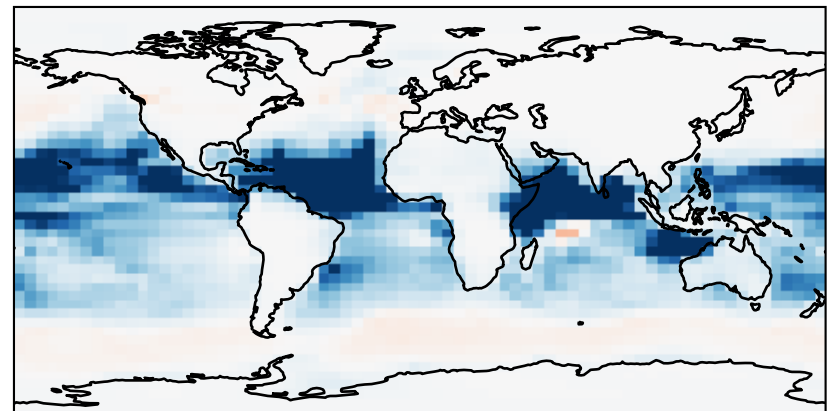
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



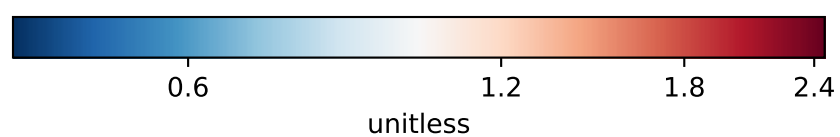
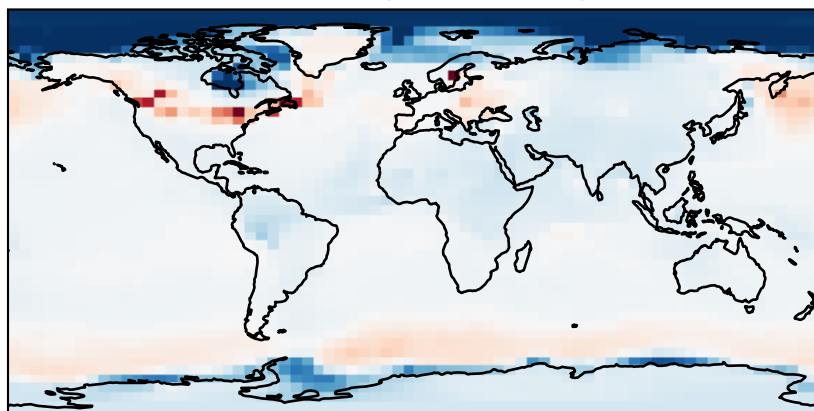
Difference  
Dev - Ref, Dynamic Range



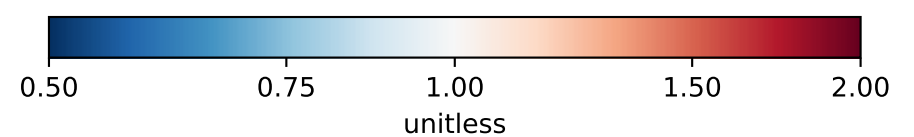
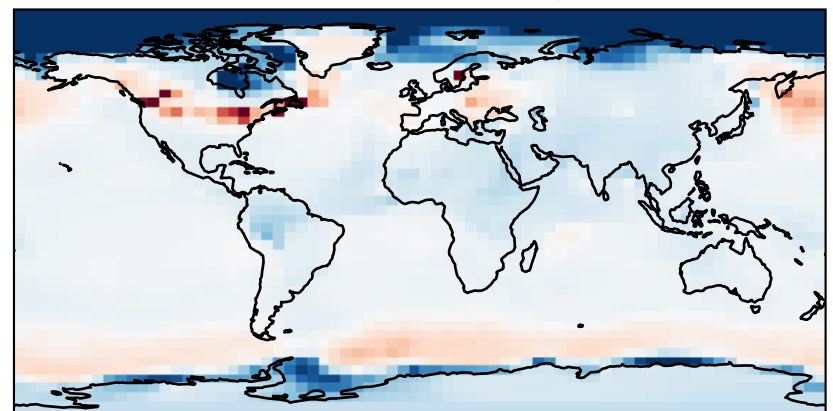
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

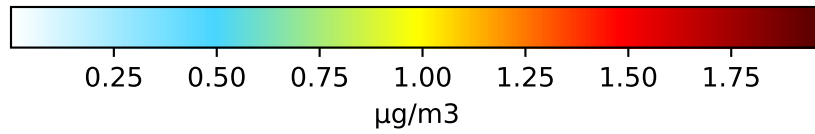
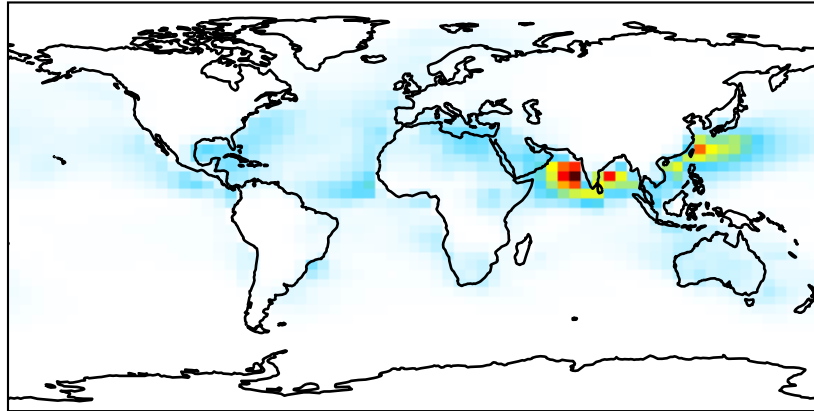


Ratio  
Dev/Ref, Fixed Range

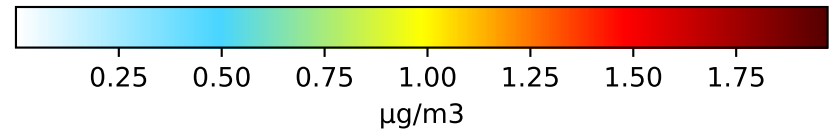
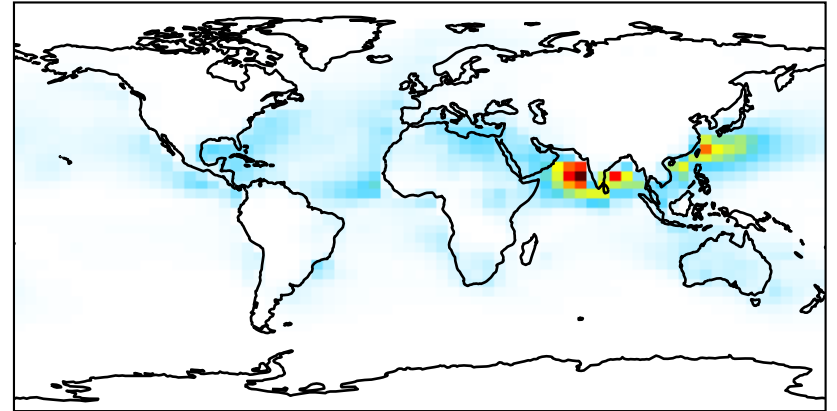


# SpeciesConc\_NITs (Jan2019)

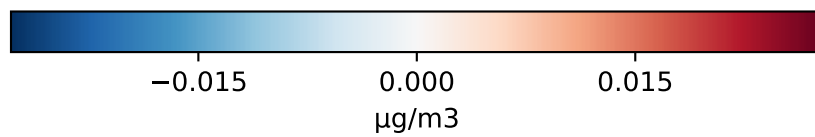
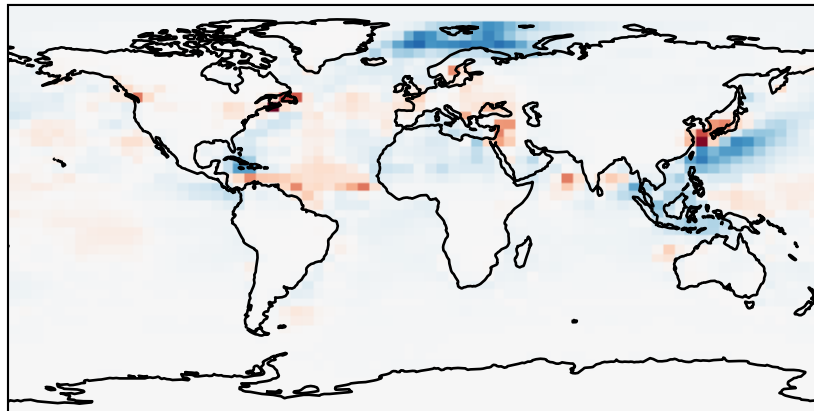
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



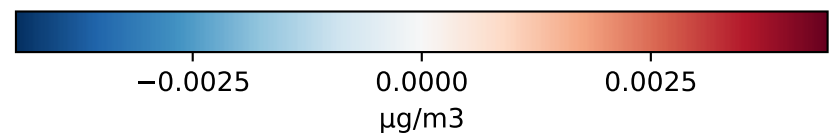
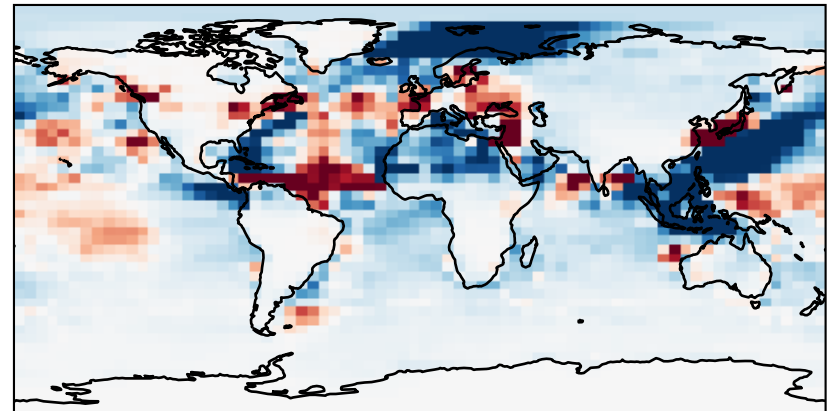
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



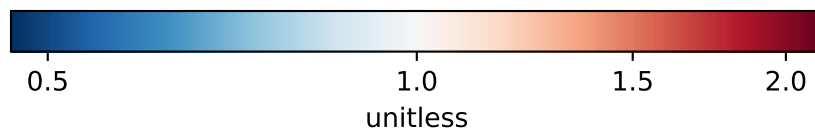
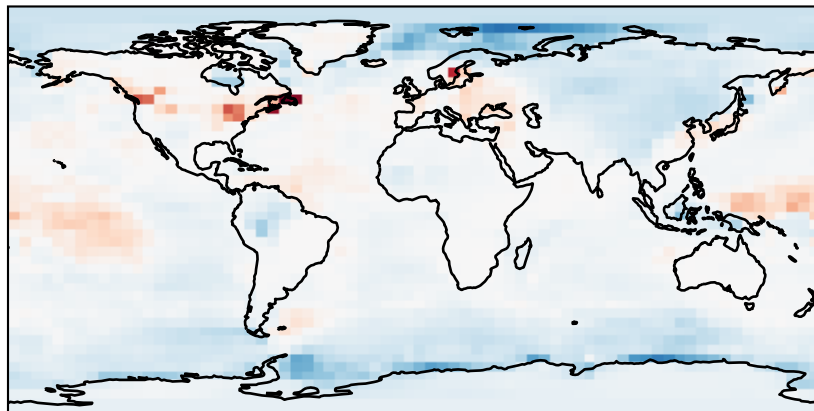
Difference  
Dev - Ref, Dynamic Range



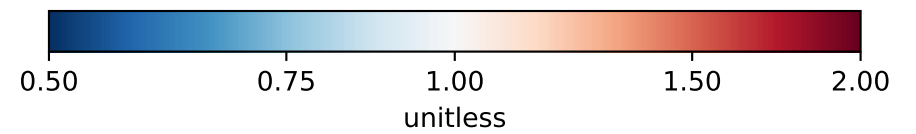
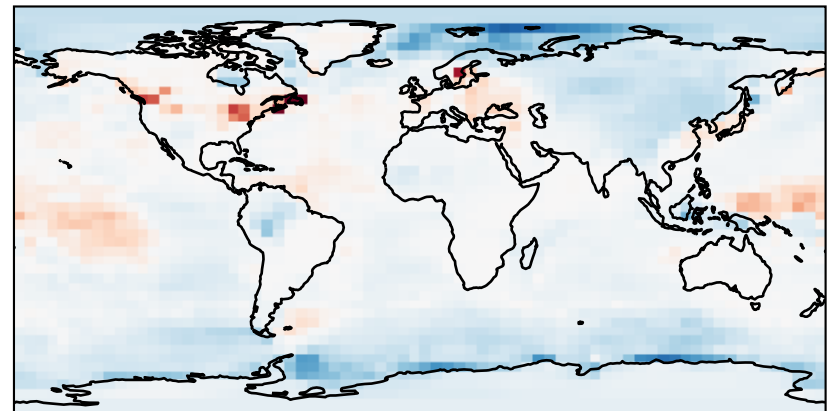
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

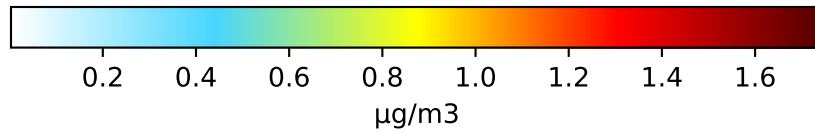
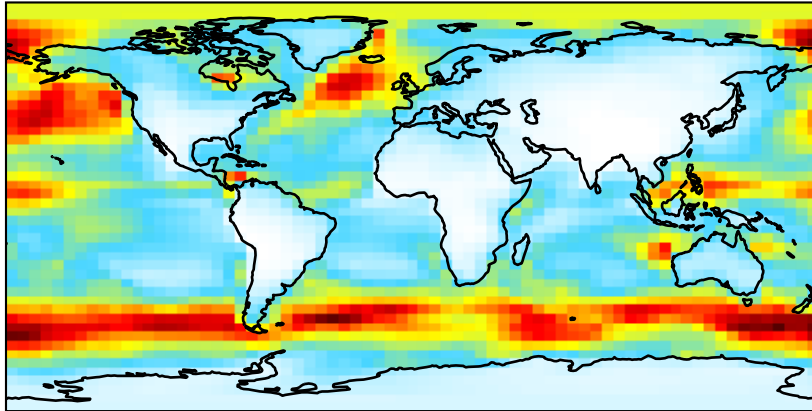


Ratio  
Dev/Ref, Fixed Range

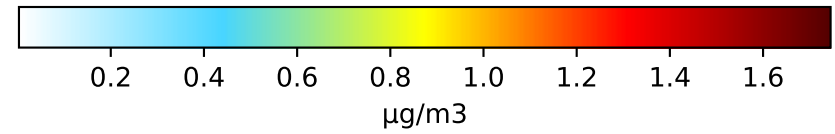
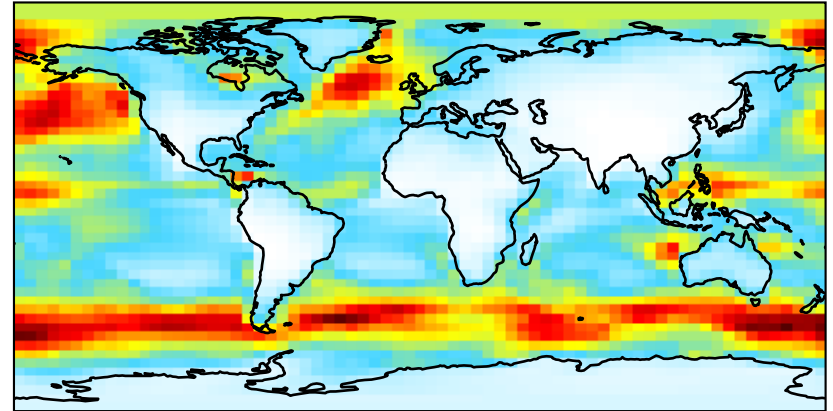


# SpeciesConc\_SALA (Jan2019)

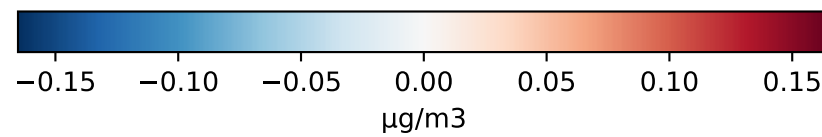
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



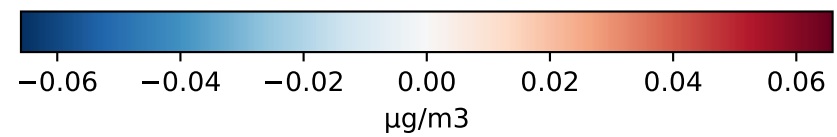
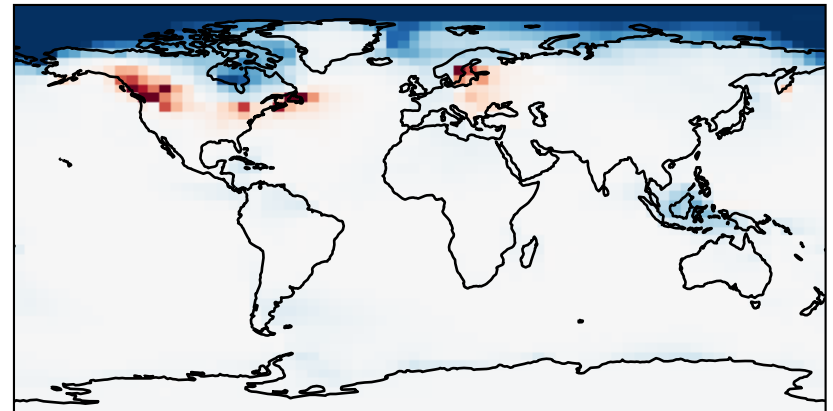
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



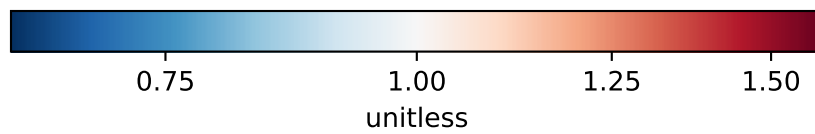
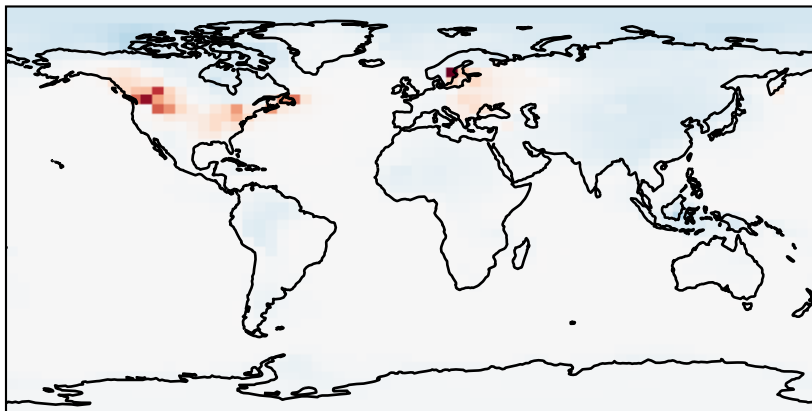
Difference  
Dev - Ref, Dynamic Range



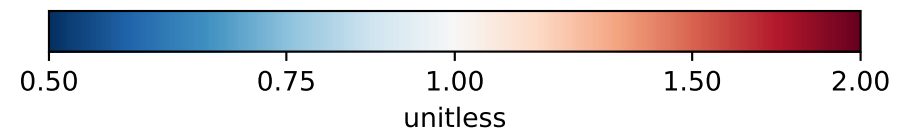
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

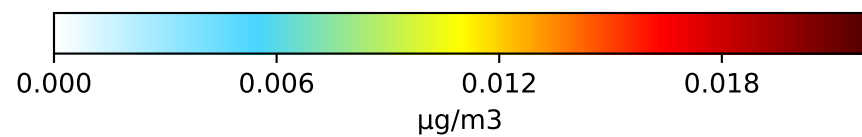
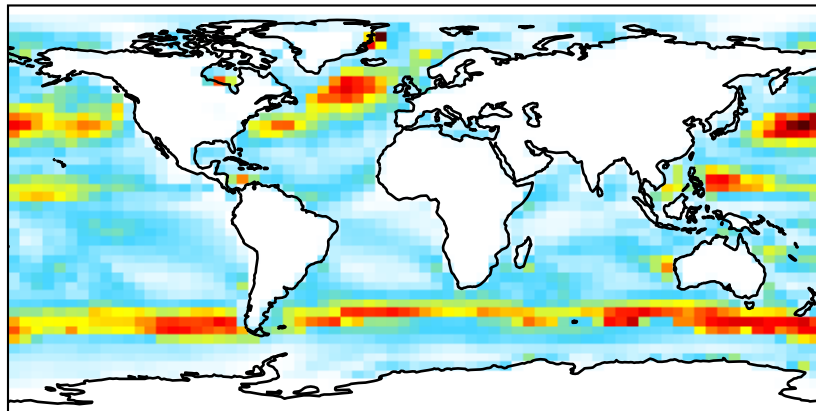


Ratio  
Dev/Ref, Fixed Range

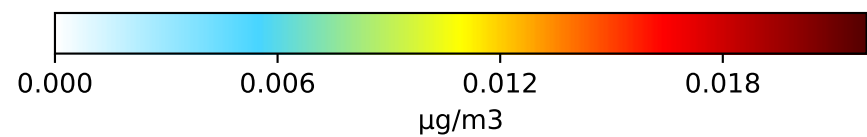
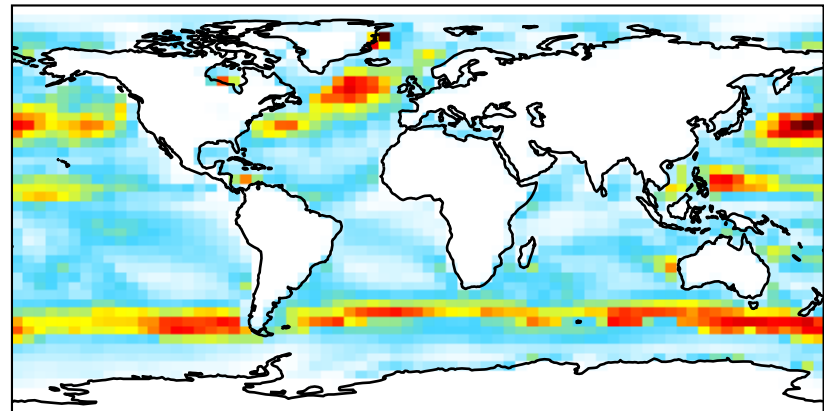


# SpeciesConc\_SALAAL (Jan2019)

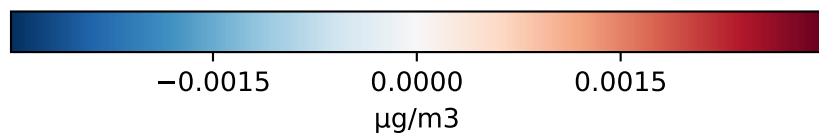
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



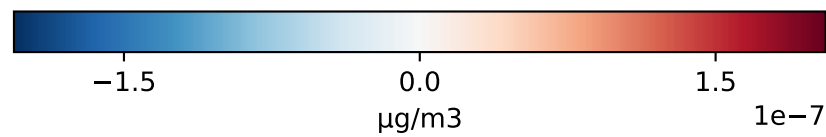
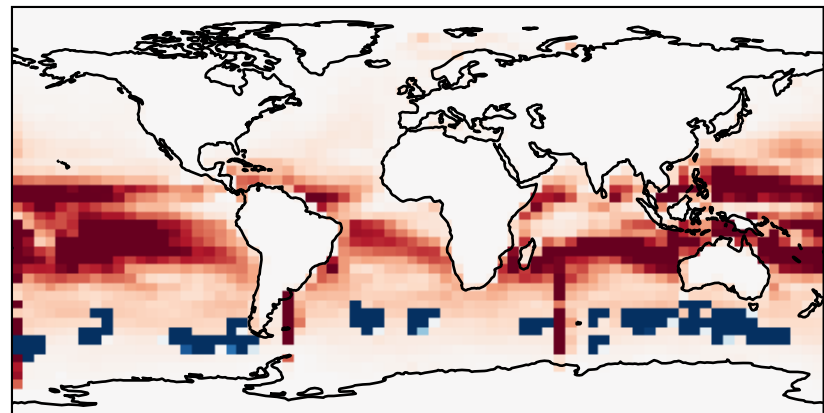
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



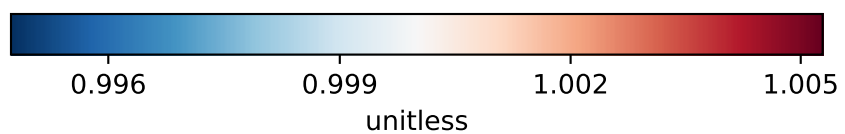
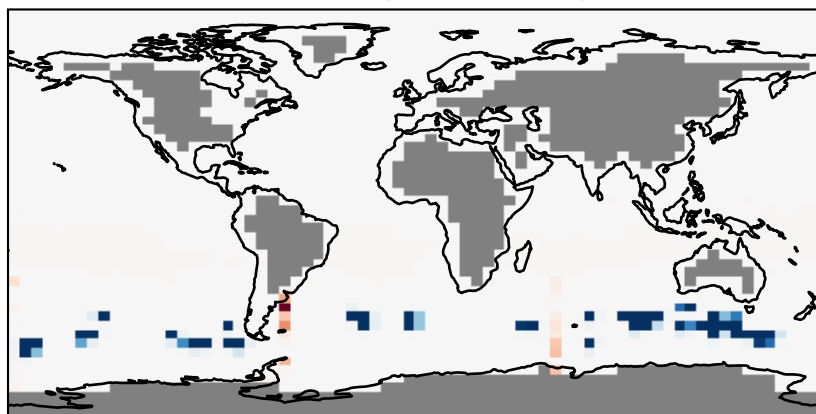
Difference  
Dev - Ref, Dynamic Range



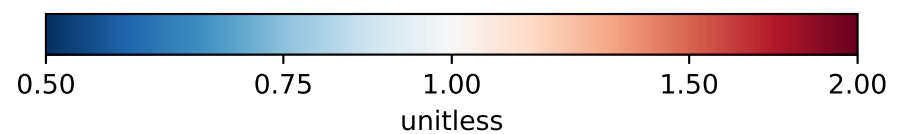
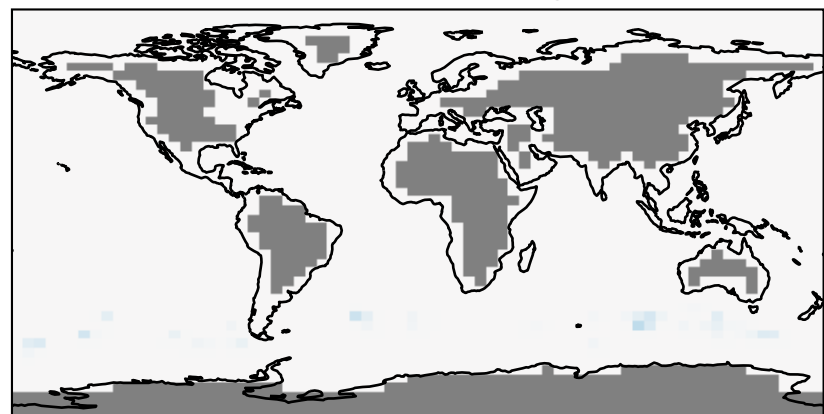
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

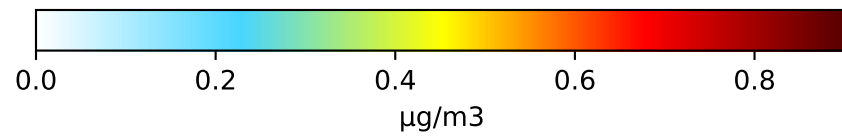
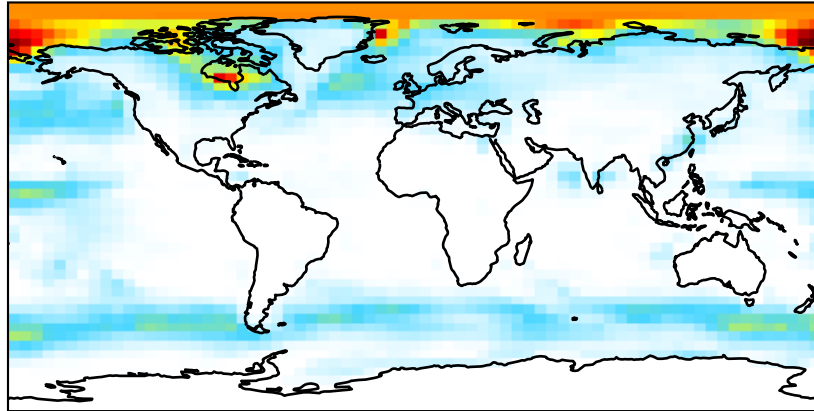


Ratio  
Dev/Ref, Fixed Range

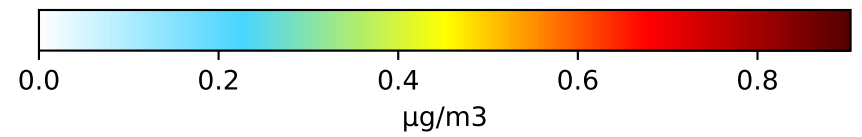
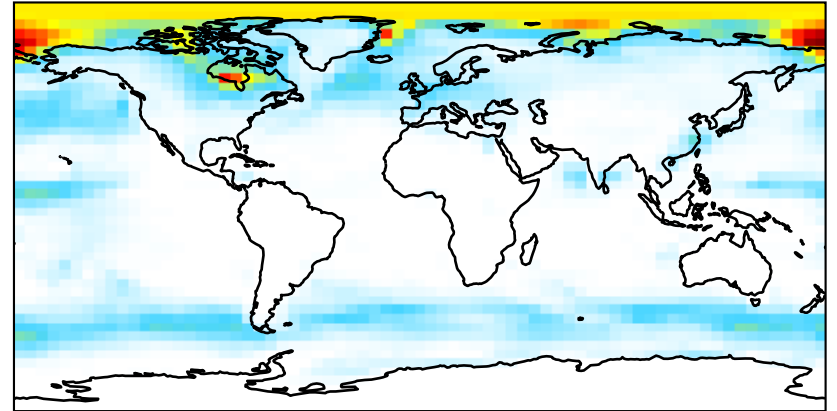


# SpeciesConc\_SALACL (Jan2019)

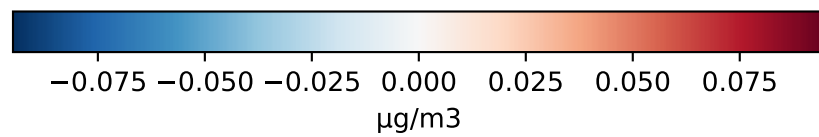
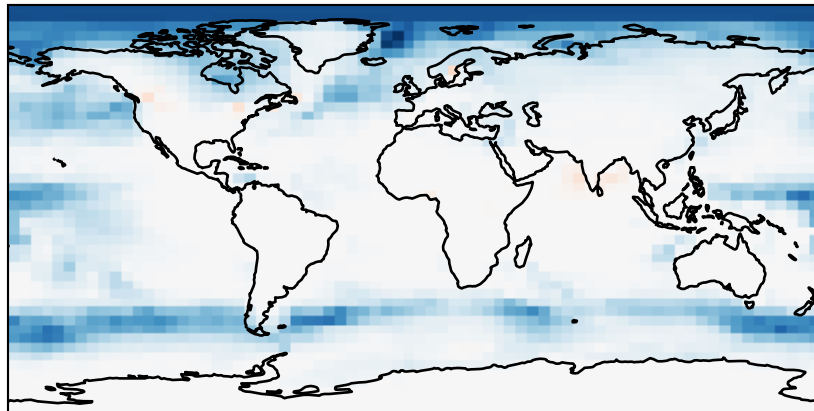
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



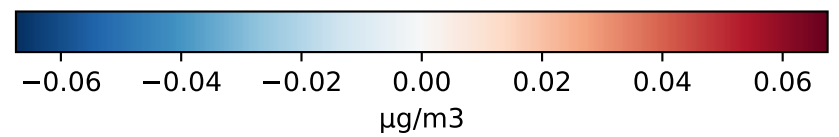
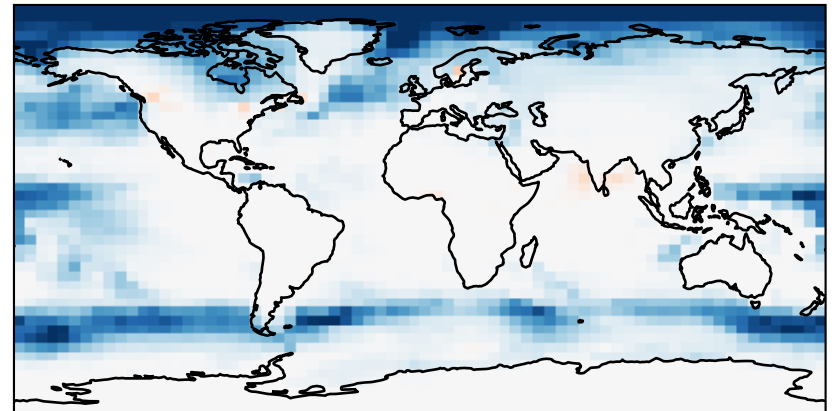
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



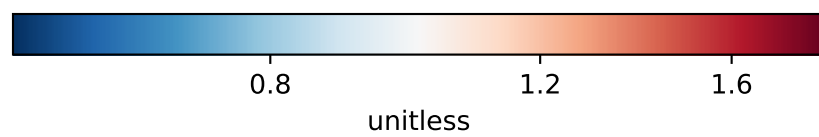
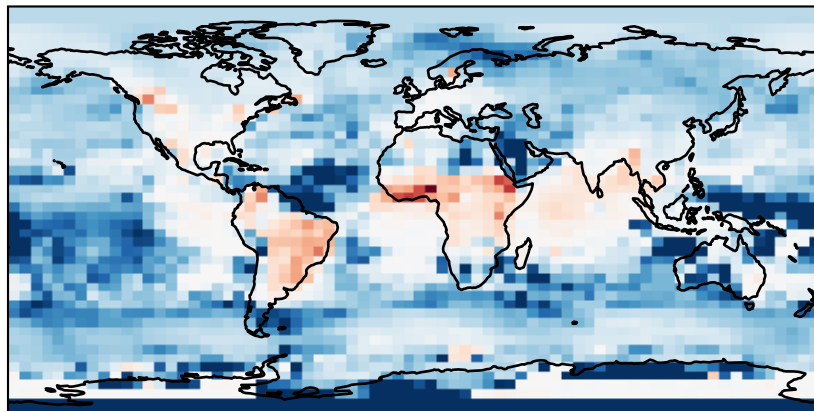
Difference  
Dev - Ref, Dynamic Range



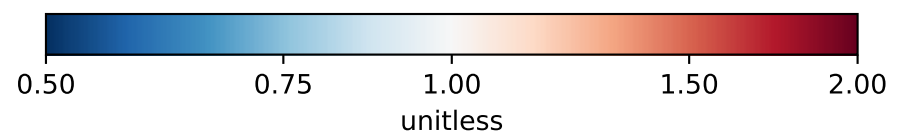
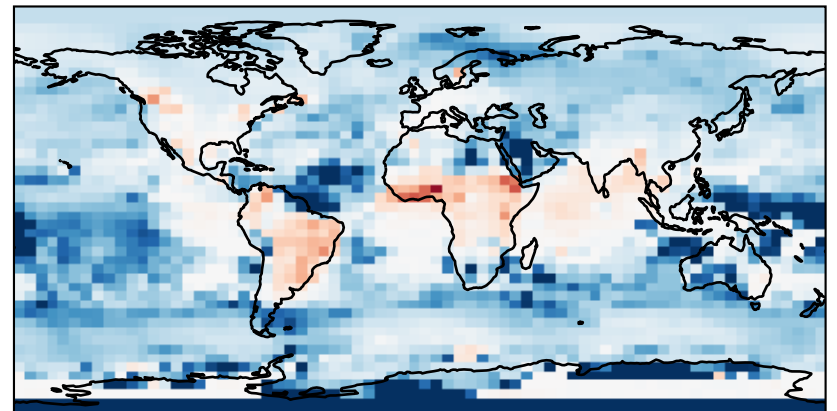
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

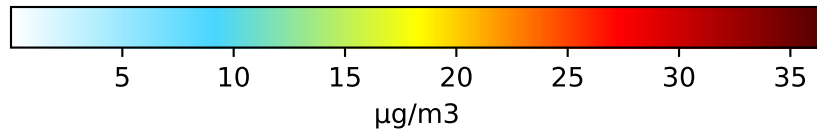
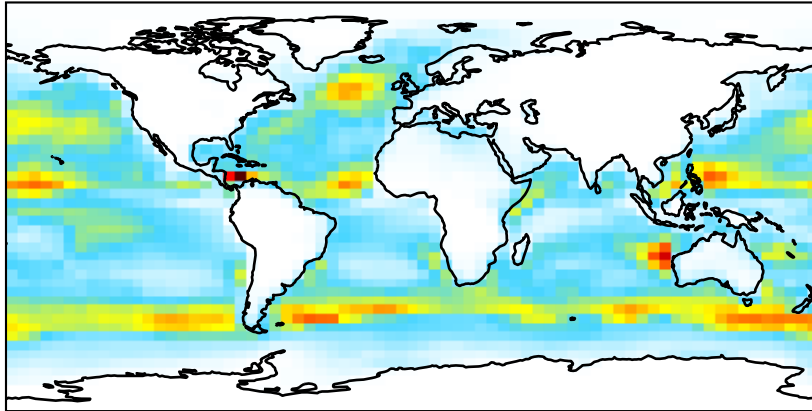


Ratio  
Dev/Ref, Fixed Range

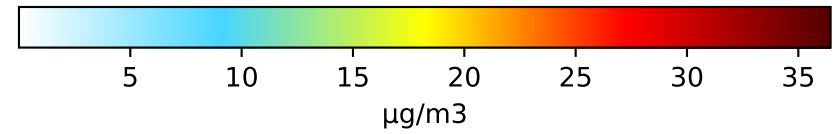
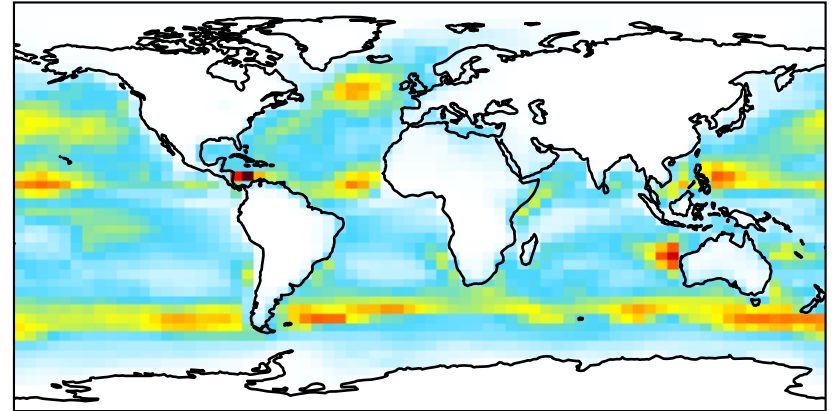


# SpeciesConc\_SALC (Jan2019)

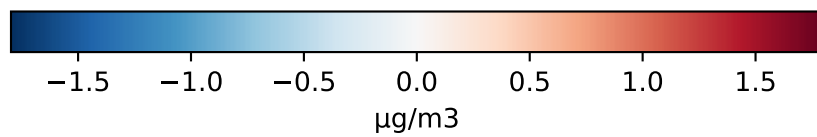
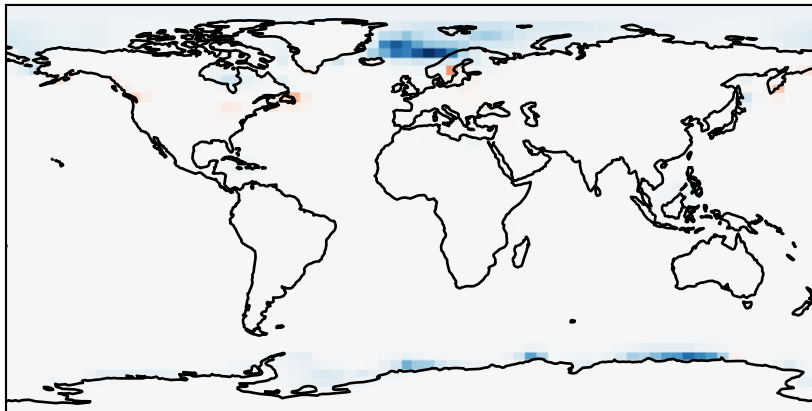
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



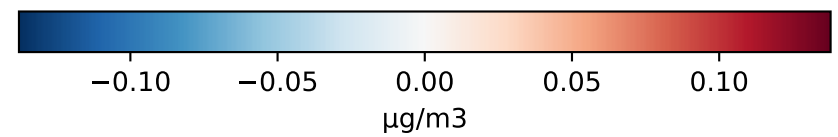
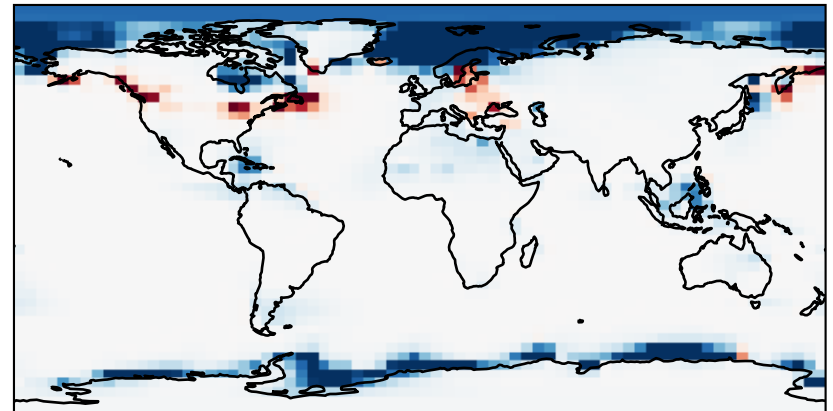
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



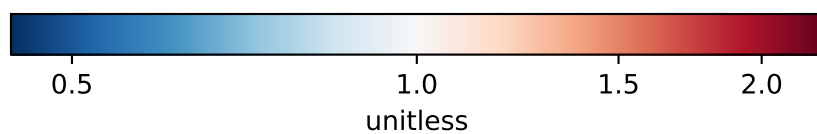
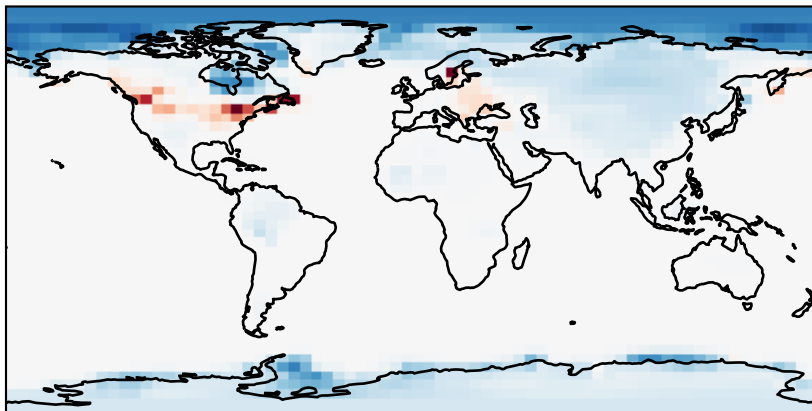
Difference  
Dev - Ref, Dynamic Range



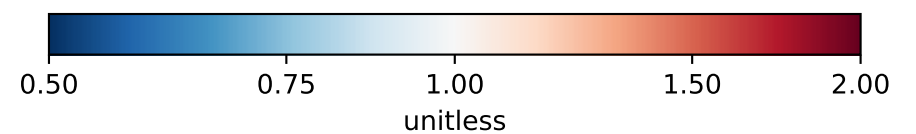
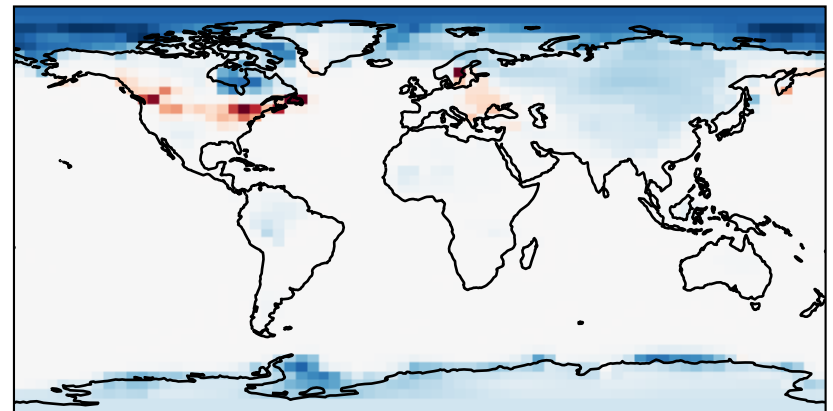
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

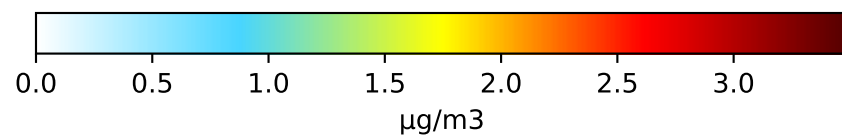
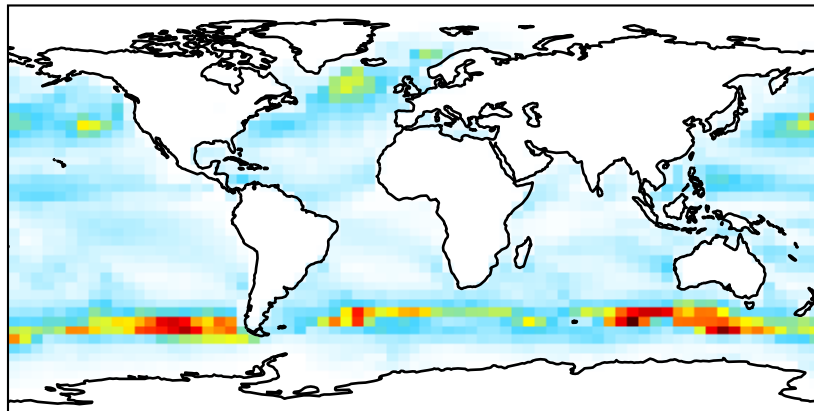


Ratio  
Dev/Ref, Fixed Range

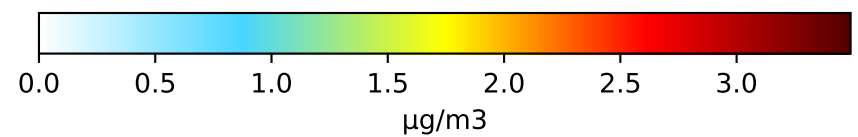
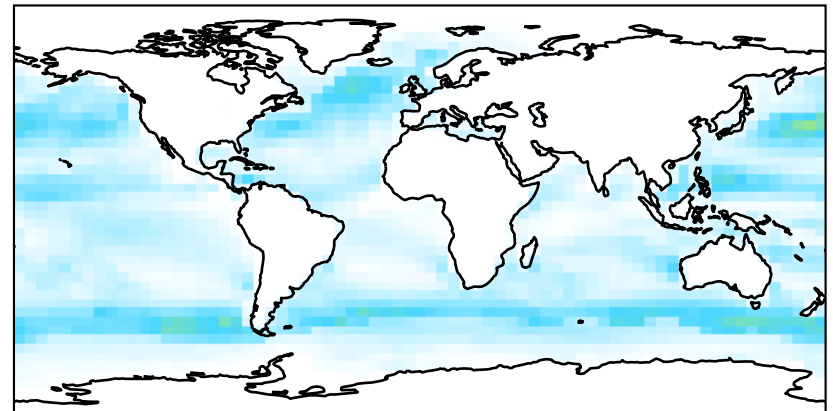


# SpeciesConc\_SALCAL (Jan2019)

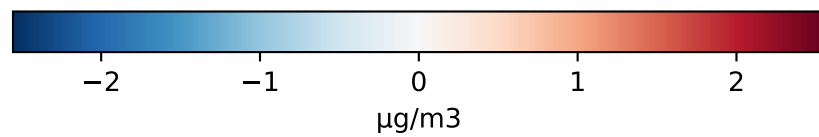
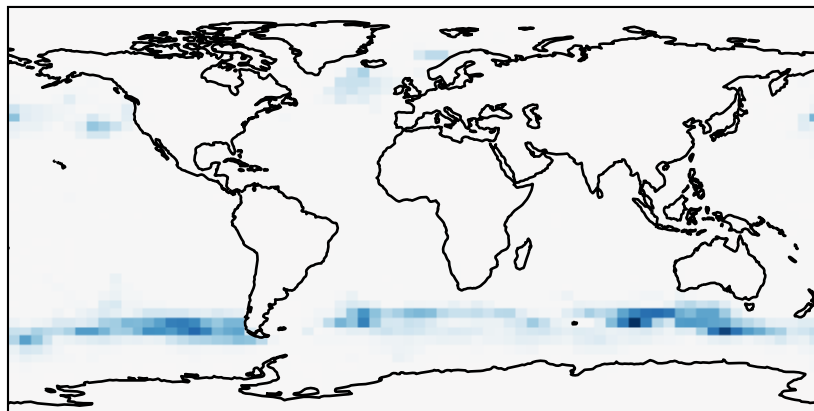
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



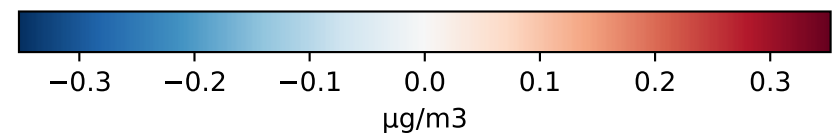
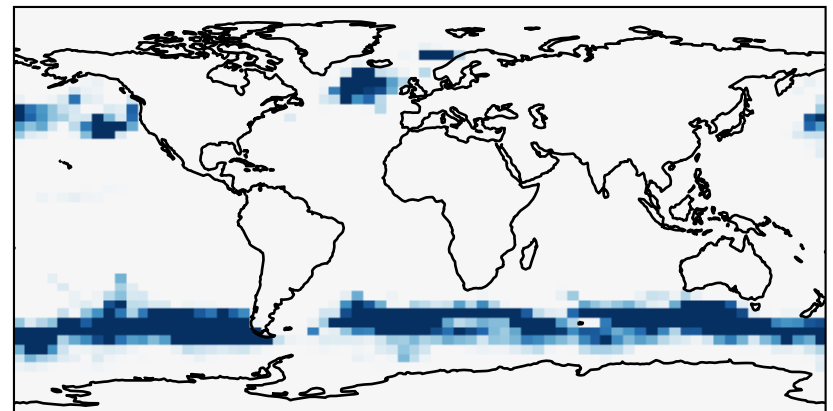
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



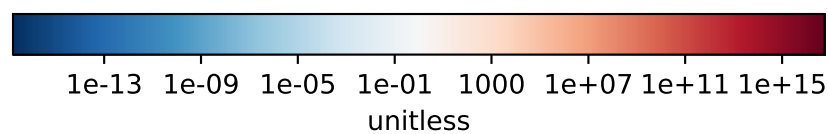
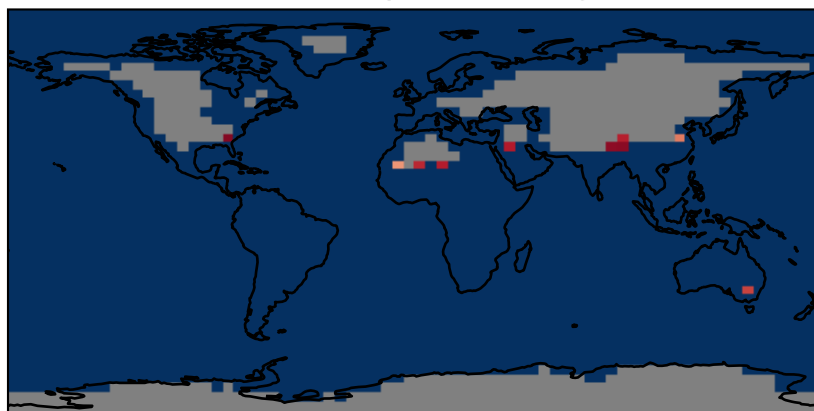
Difference  
Dev - Ref, Dynamic Range



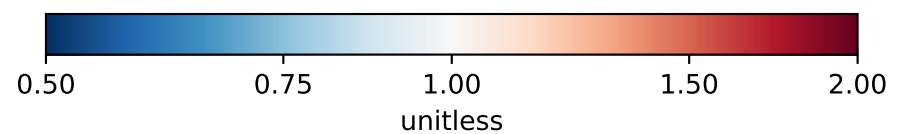
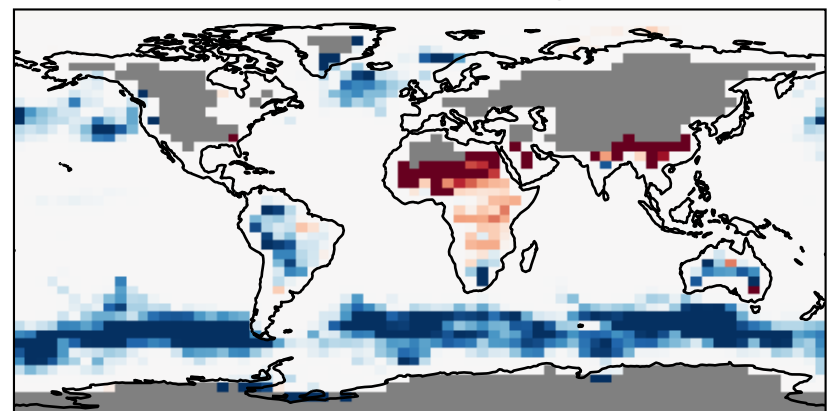
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

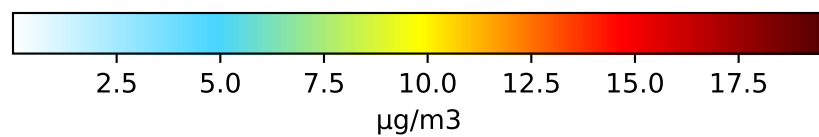
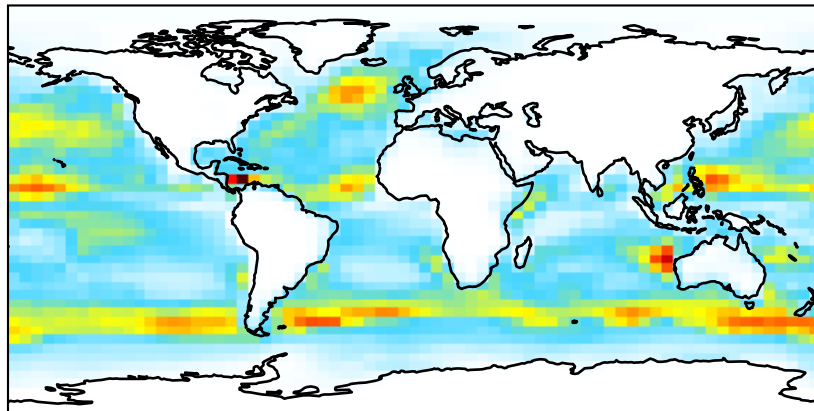


Ratio  
Dev/Ref, Fixed Range

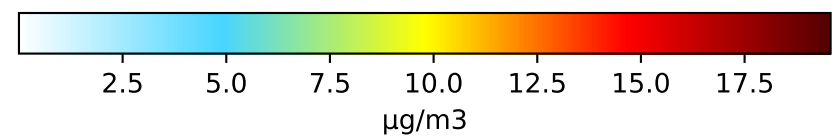
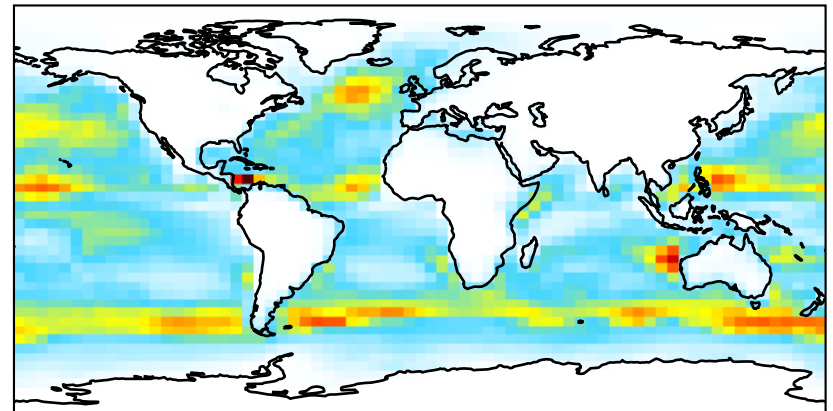


# SpeciesConc\_SALCCL (Jan2019)

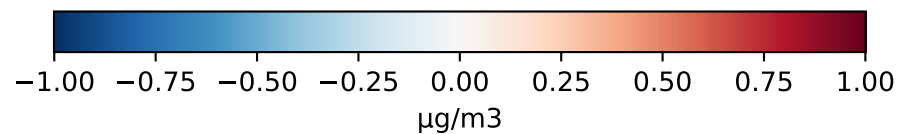
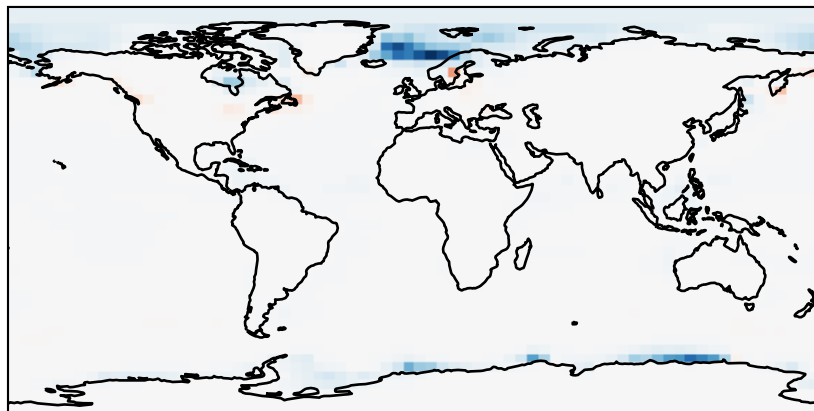
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



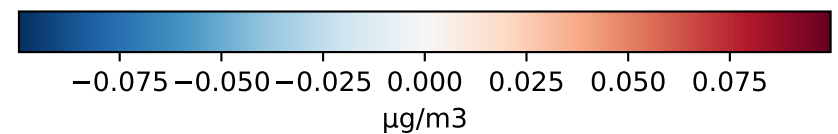
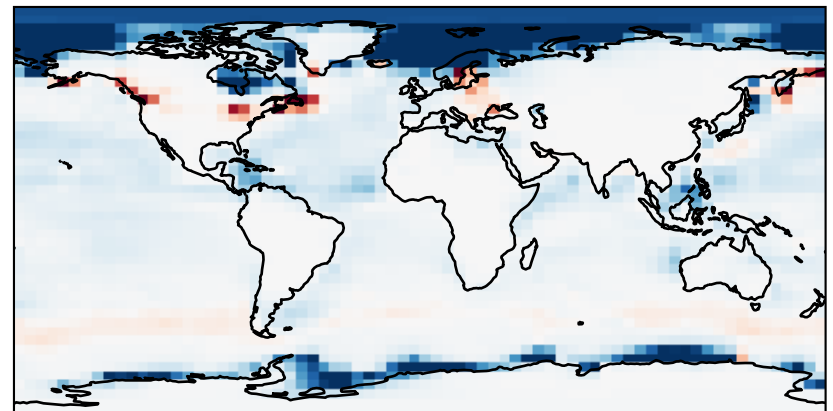
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



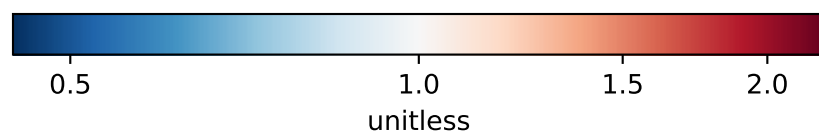
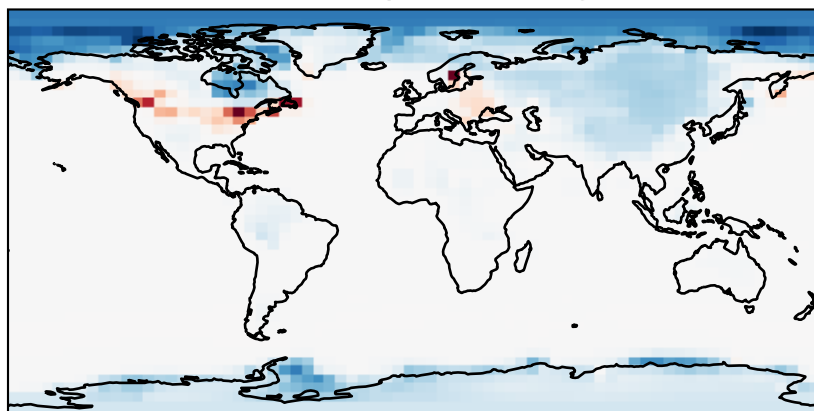
Difference  
Dev - Ref, Dynamic Range



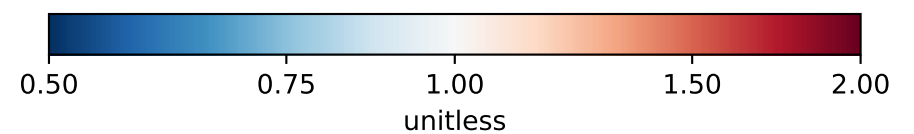
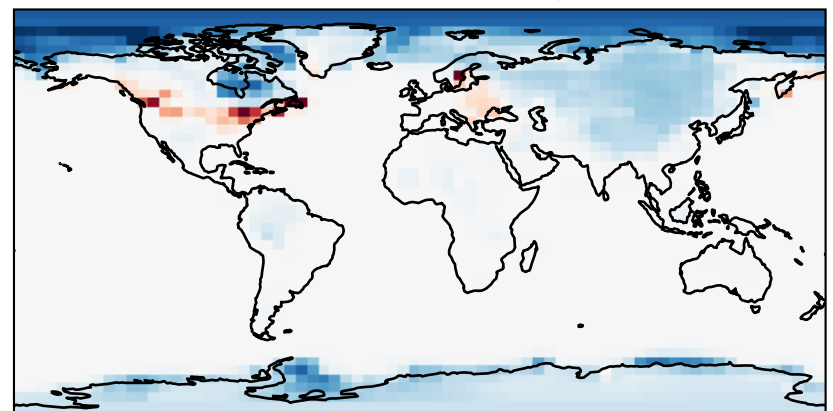
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

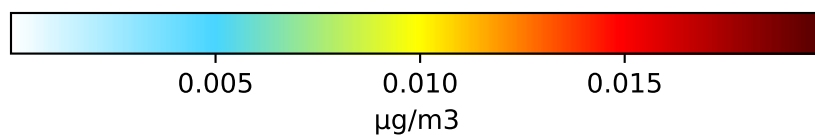
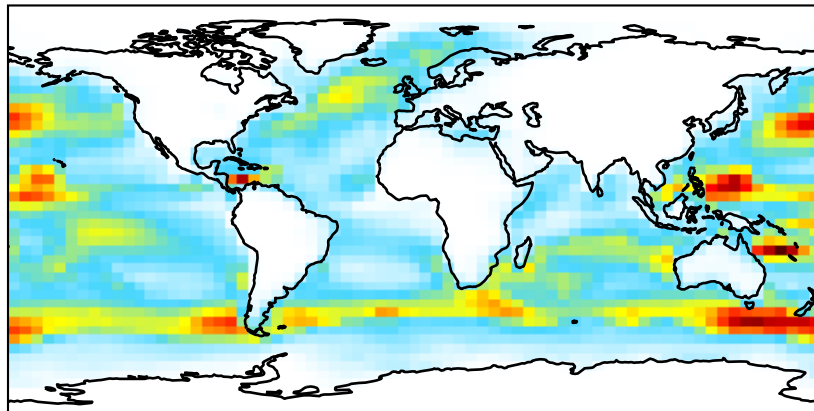


Ratio  
Dev/Ref, Fixed Range

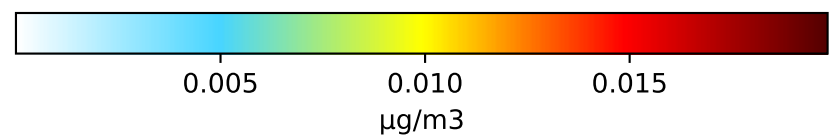
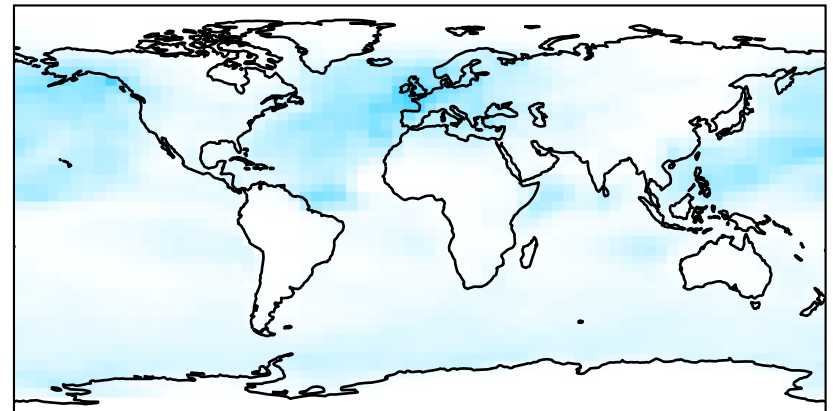


# SpeciesConc\_SO4s (Jan2019)

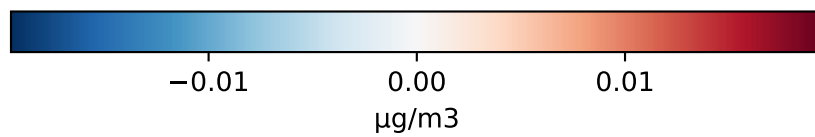
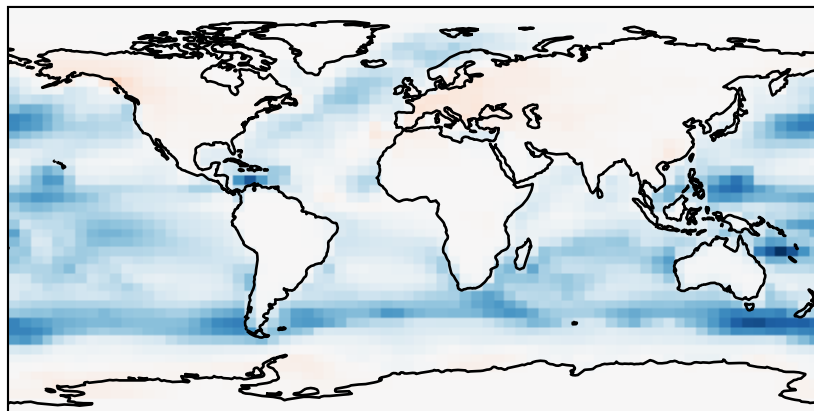
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



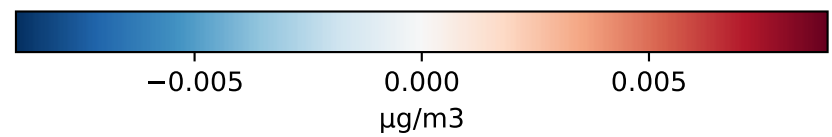
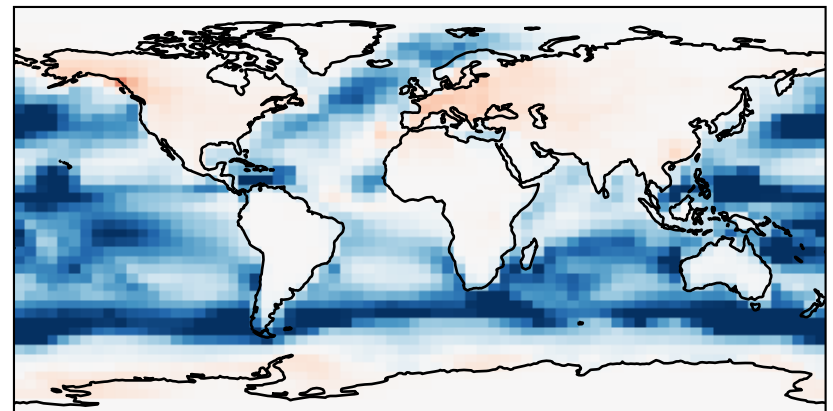
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



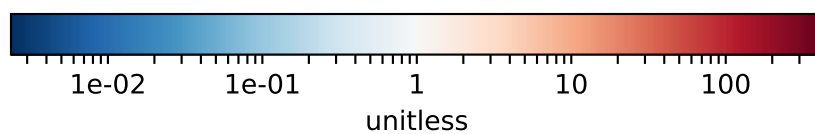
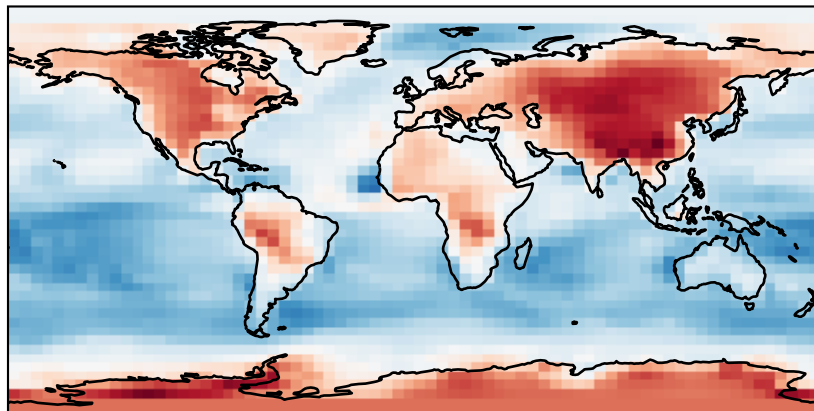
Difference  
Dev - Ref, Dynamic Range



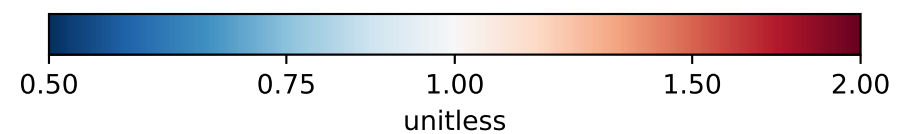
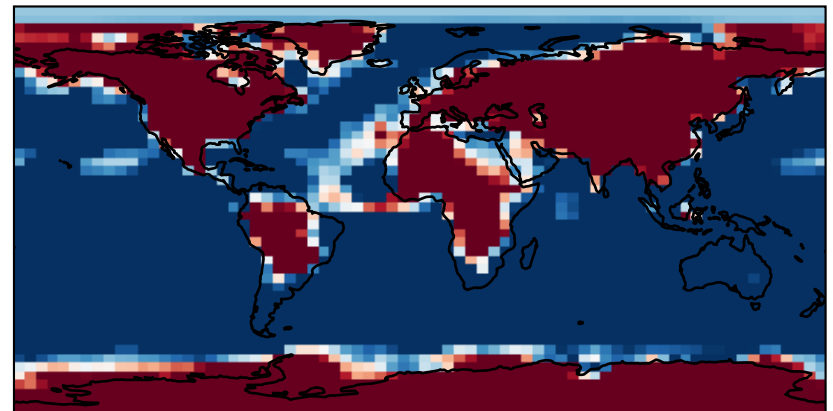
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

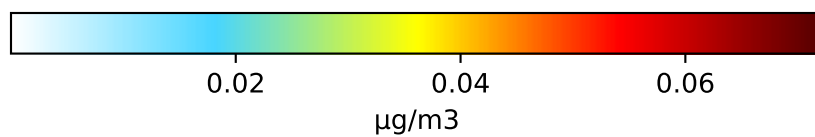
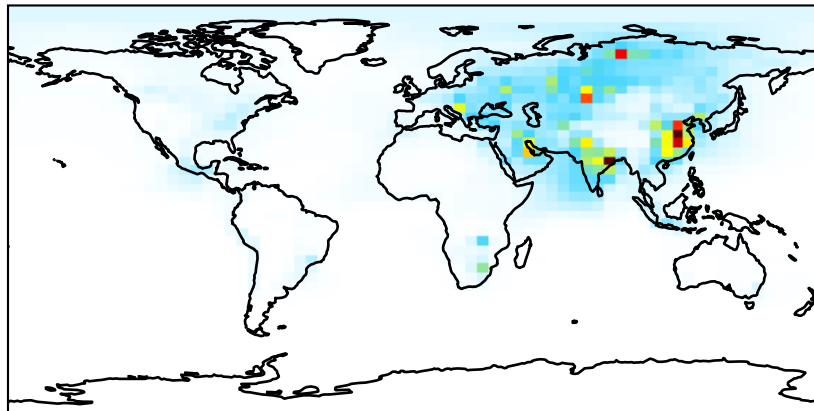


Ratio  
Dev/Ref, Fixed Range

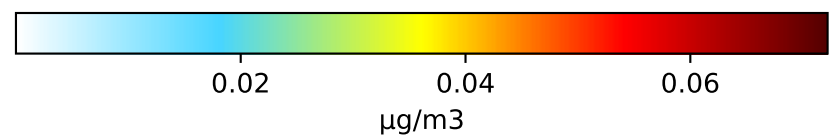
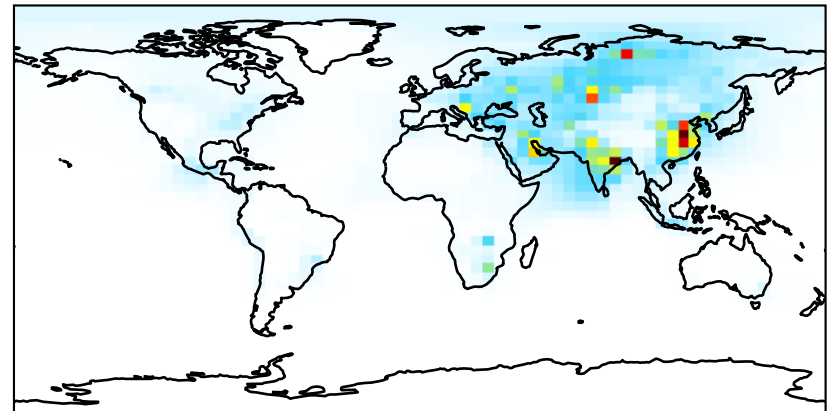


# SpeciesConc\_pFe (Jan2019)

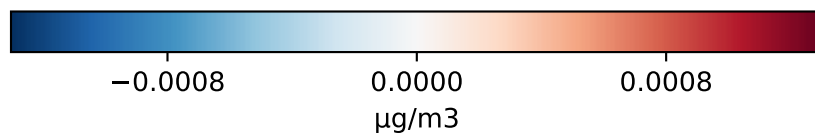
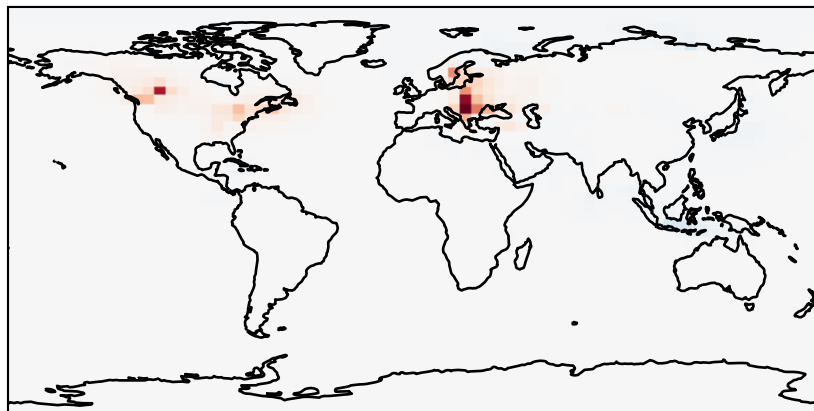
GCC\_13.3.0-rc.0 (Ref)  
4.0x5.0



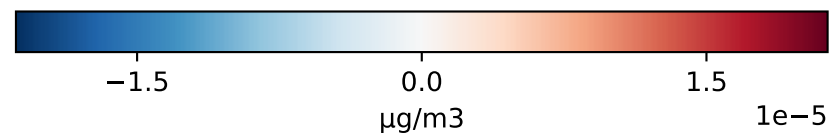
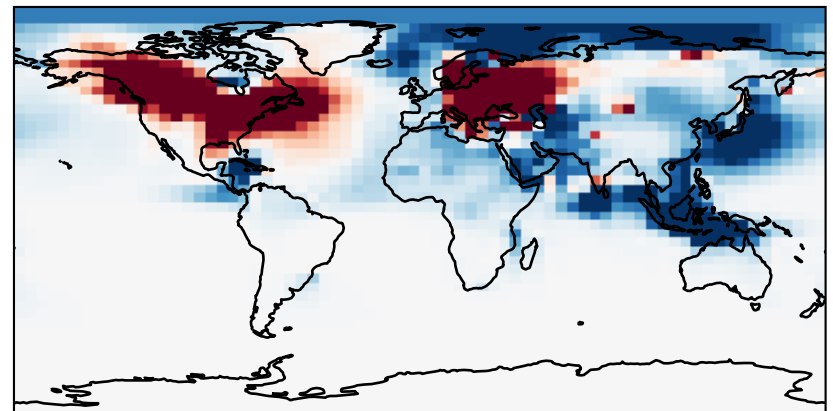
GCC\_13.4.0-rc.1 (Dev)  
4.0x5.0



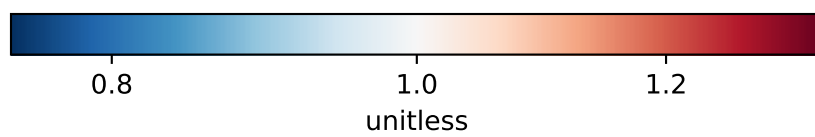
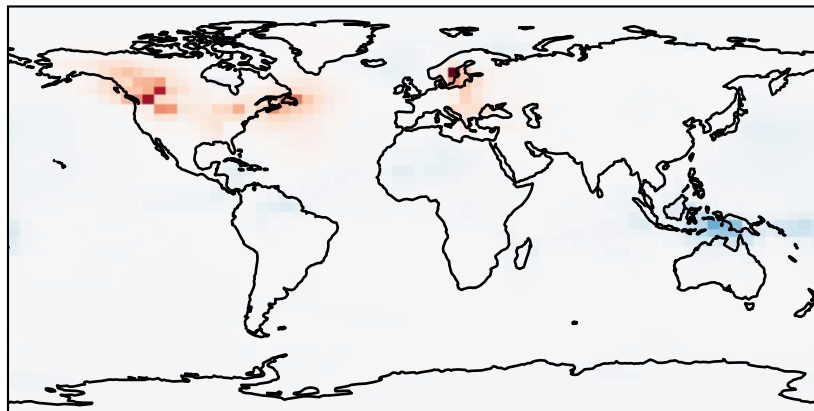
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

