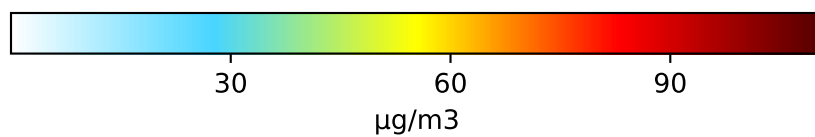
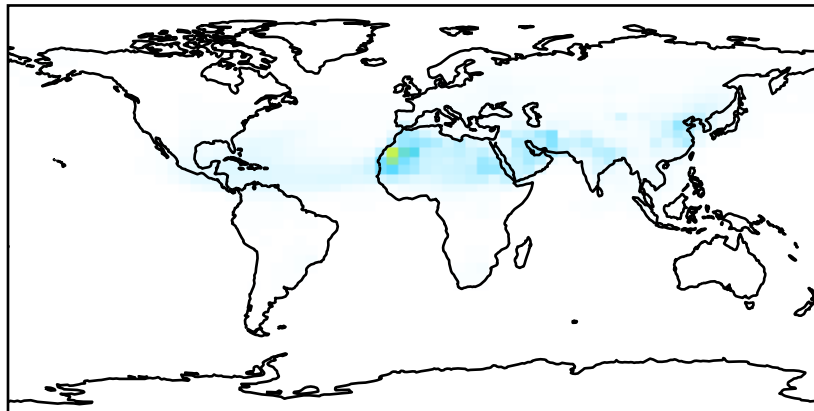
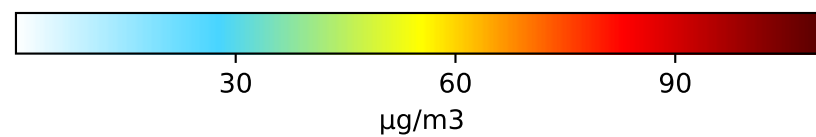
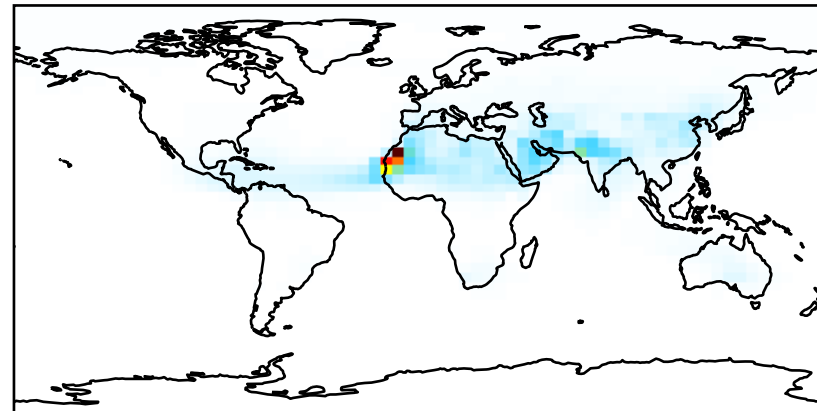


# SpeciesConc\_DST1 (Jul2019)

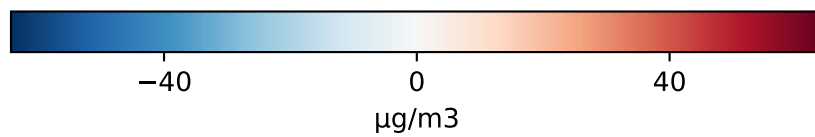
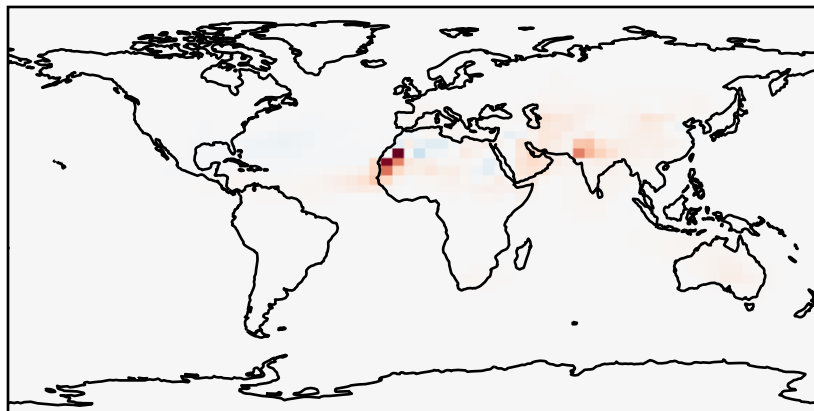
GCC\_12.9.0 (Ref)  
4.0x5.0



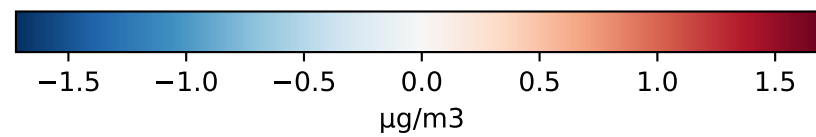
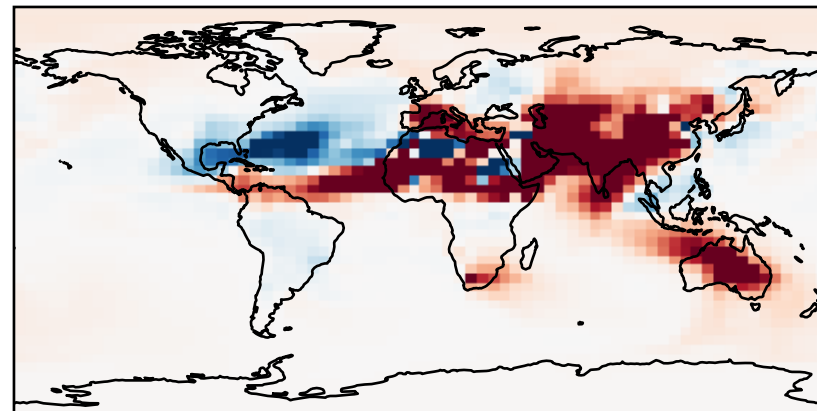
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



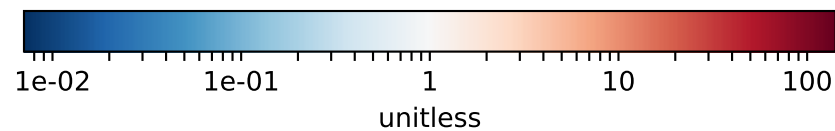
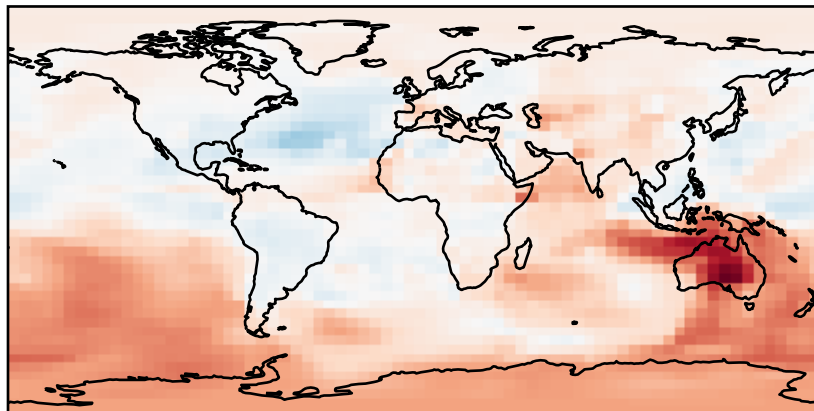
Difference  
Dev - Ref, Dynamic Range



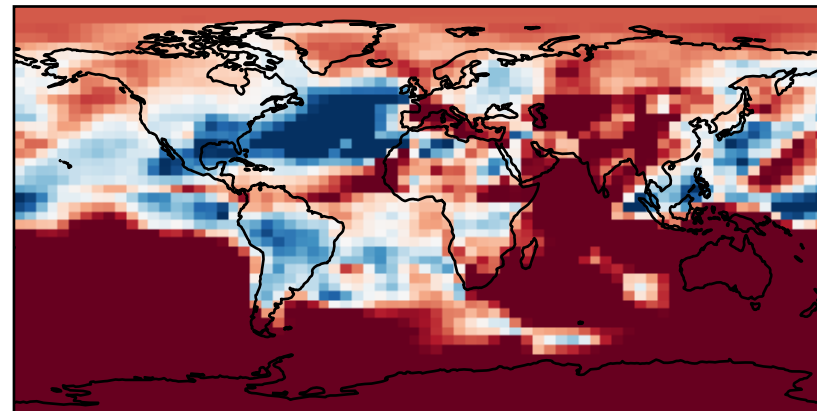
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

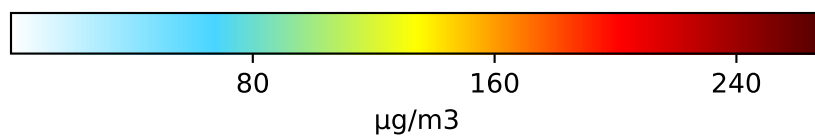
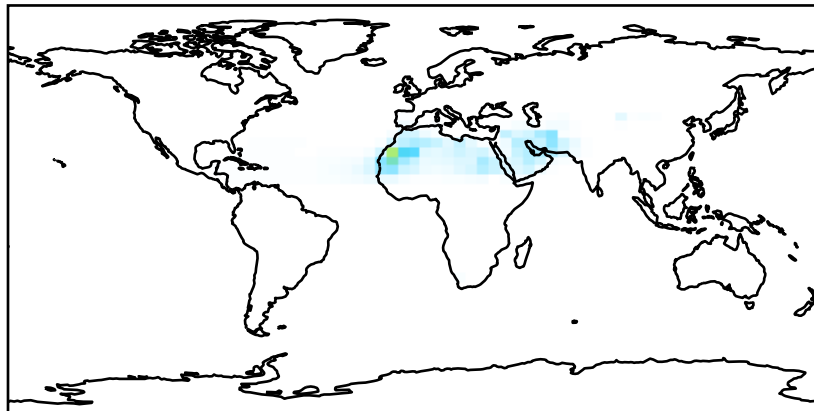


Ratio  
Dev/Ref, Fixed Range

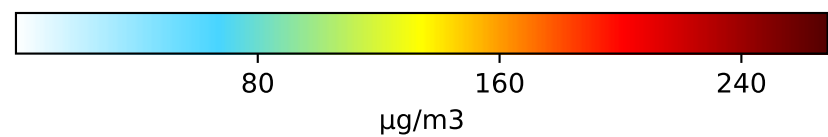
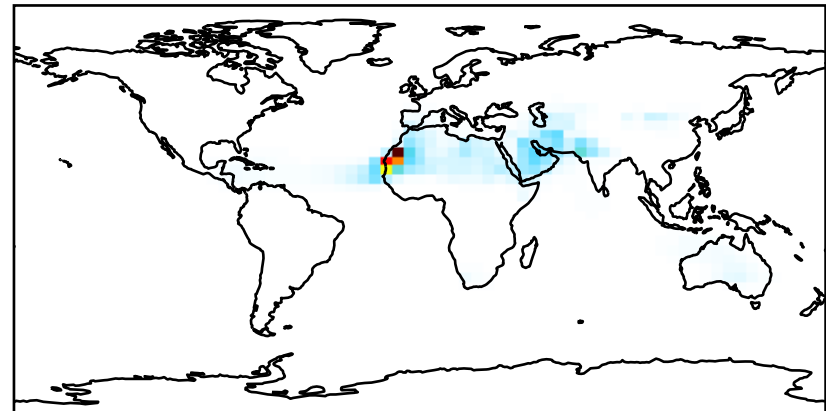


# SpeciesConc\_DST2 (Jul2019)

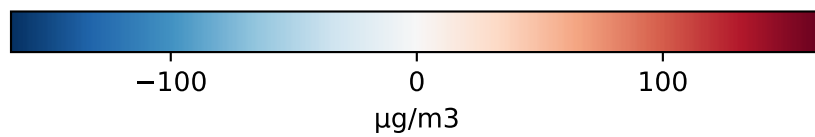
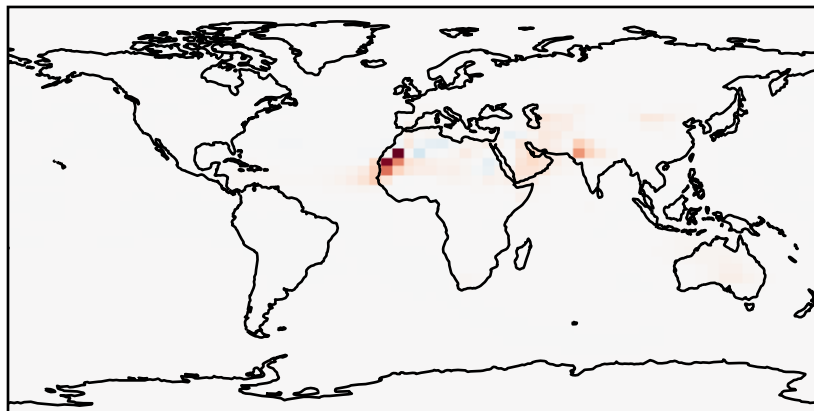
GCC\_12.9.0 (Ref)  
4.0x5.0



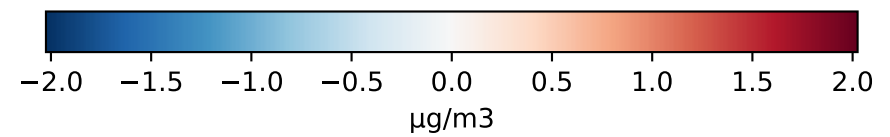
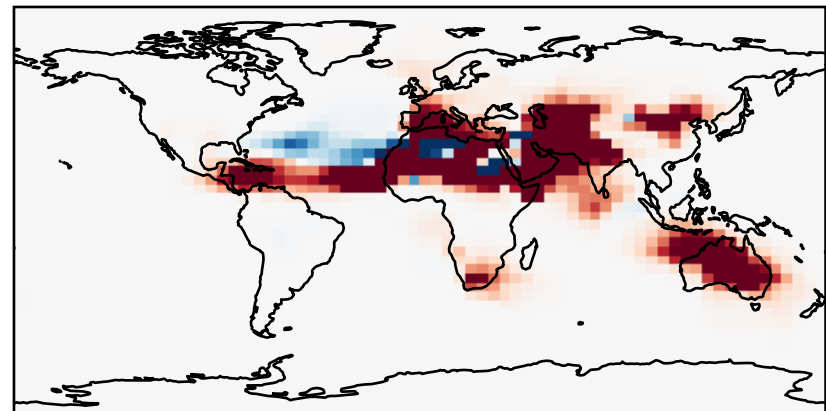
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



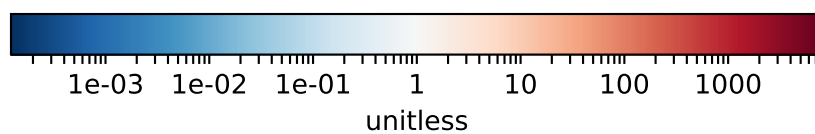
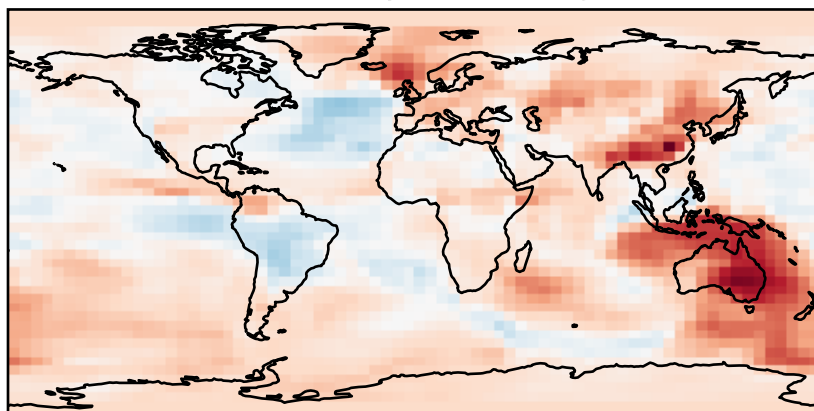
Difference  
Dev - Ref, Dynamic Range



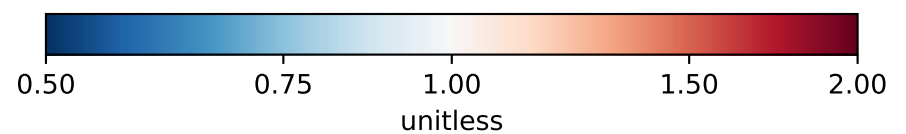
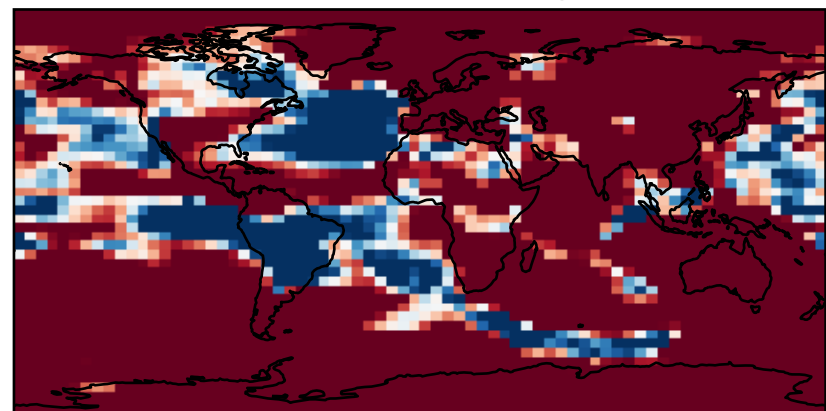
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

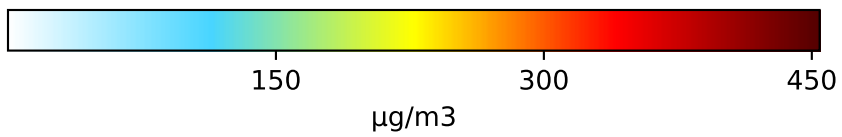
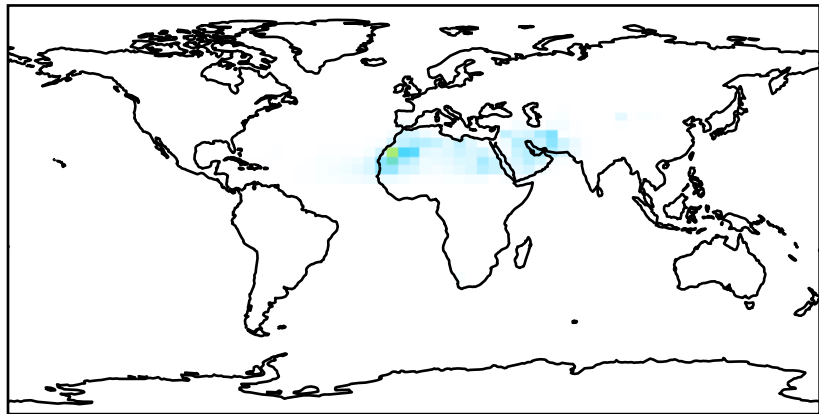


Ratio  
Dev/Ref, Fixed Range

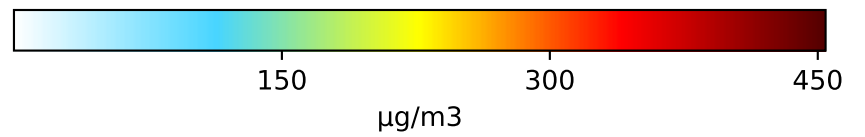
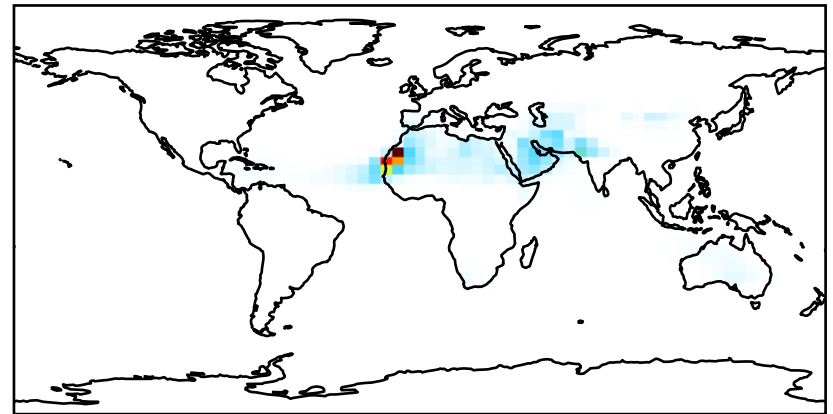


# SpeciesConc\_DST3 (Jul2019)

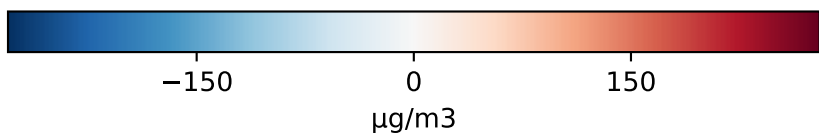
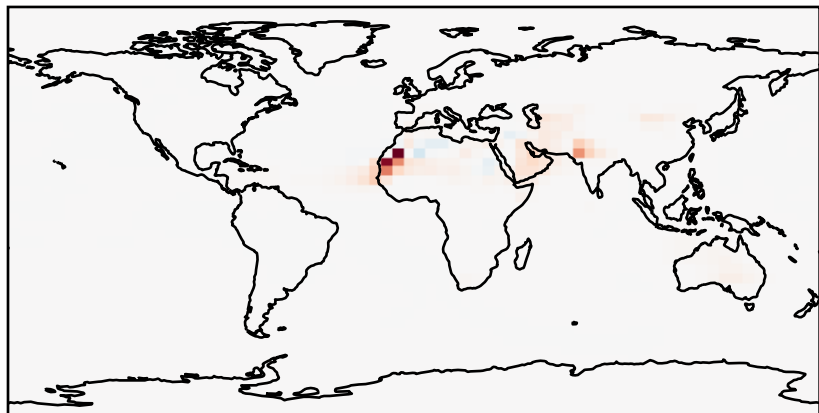
GCC\_12.9.0 (Ref)  
4.0x5.0



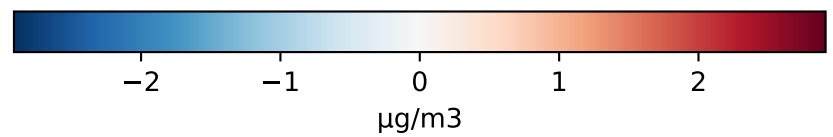
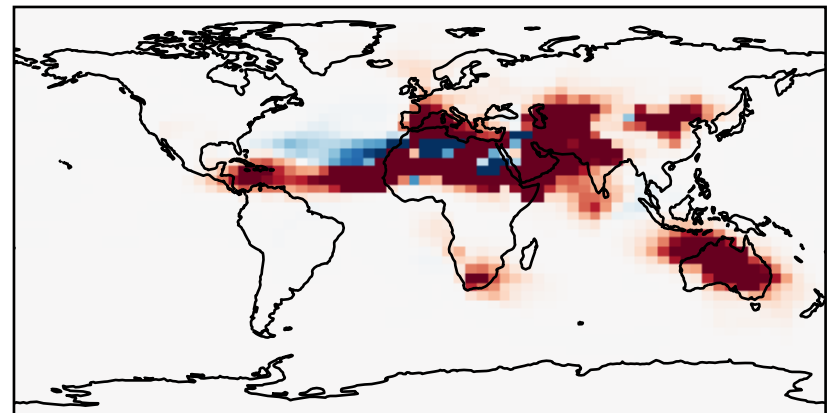
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



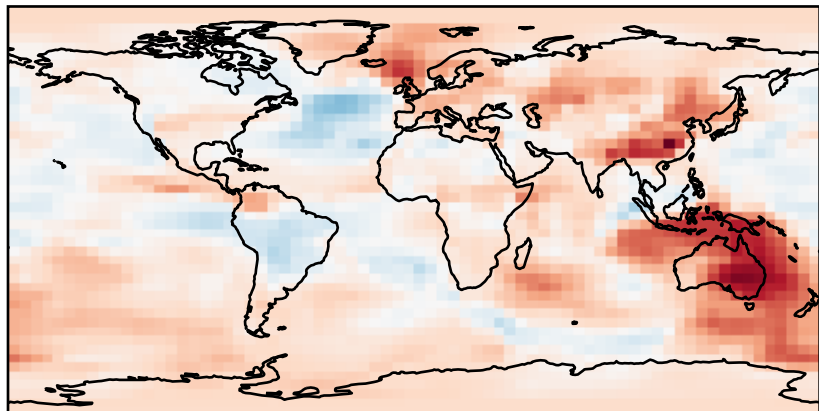
Difference  
Dev - Ref, Dynamic Range



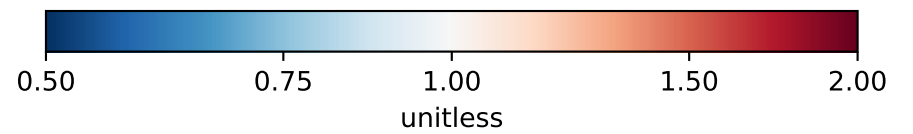
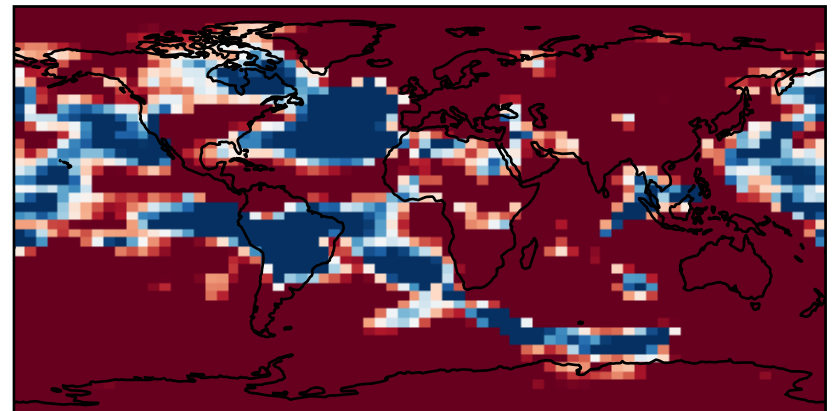
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

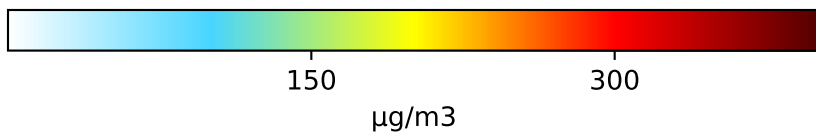
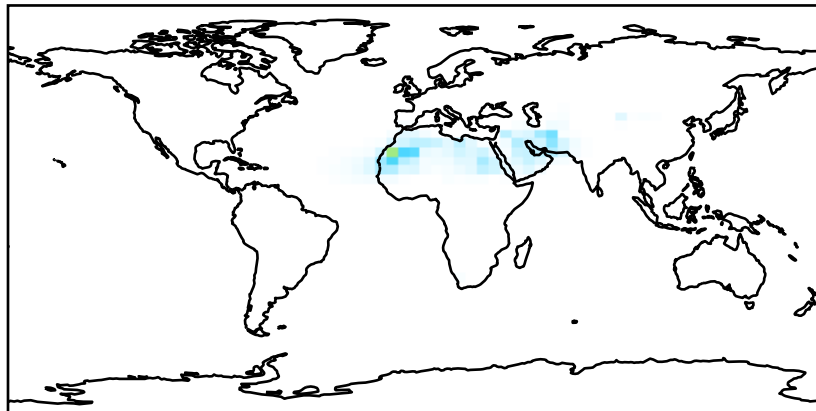


Ratio  
Dev/Ref, Fixed Range

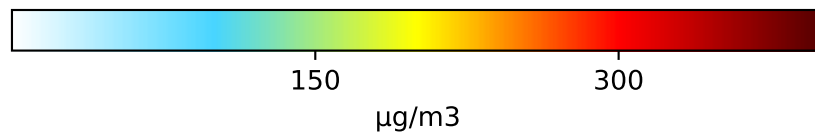
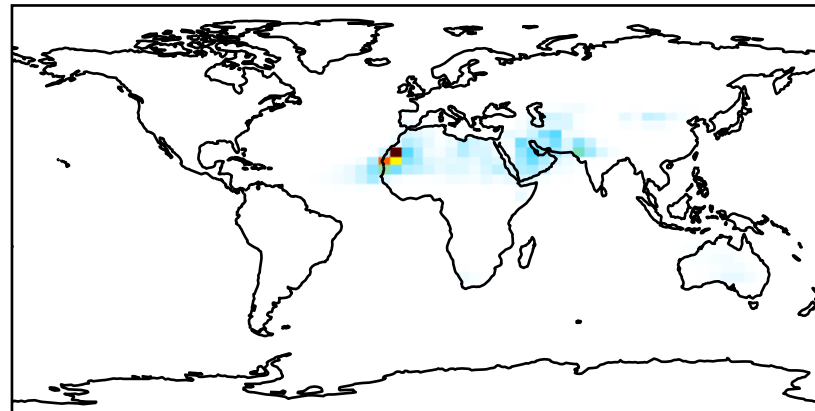


# SpeciesConc\_DST4 (Jul2019)

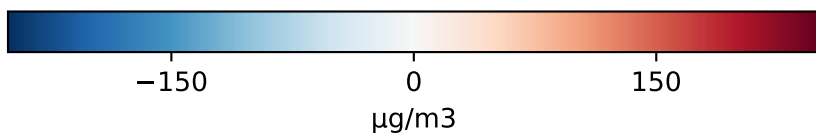
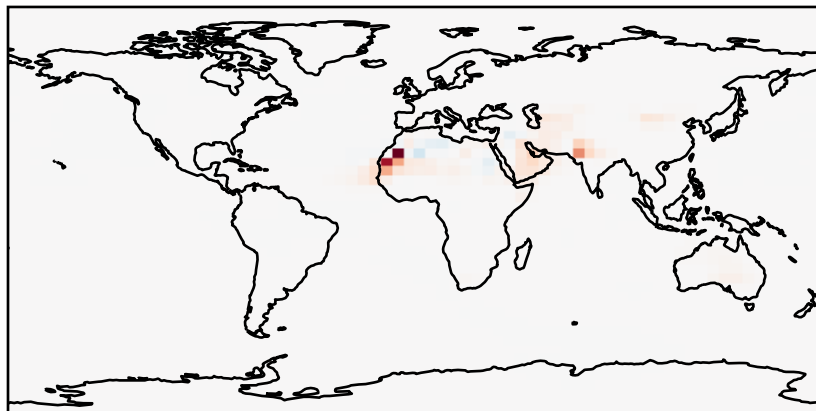
GCC\_12.9.0 (Ref)  
4.0x5.0



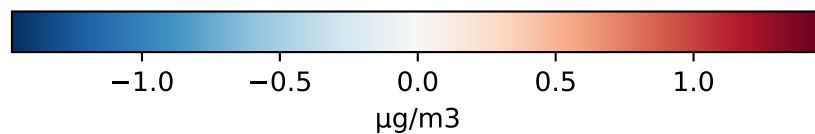
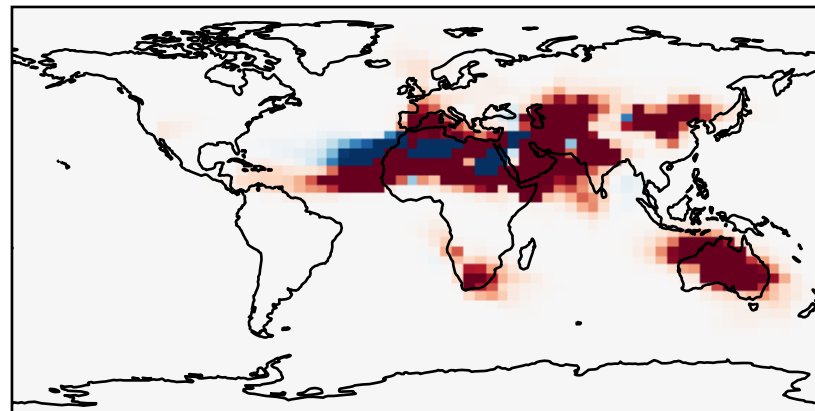
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



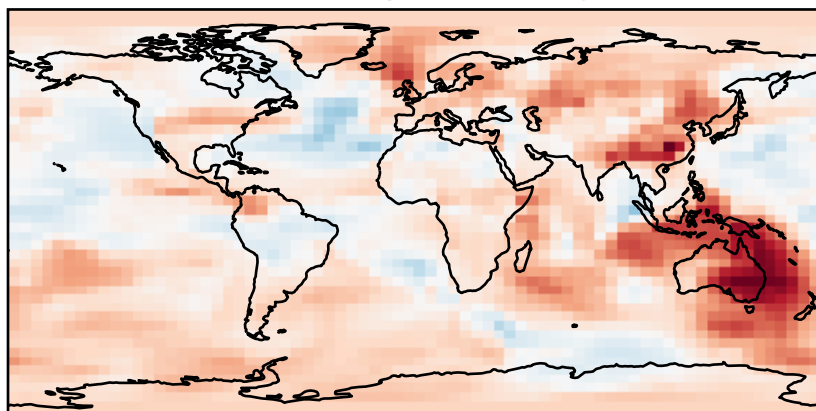
Difference  
Dev - Ref, Dynamic Range



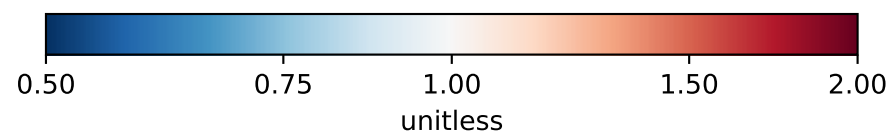
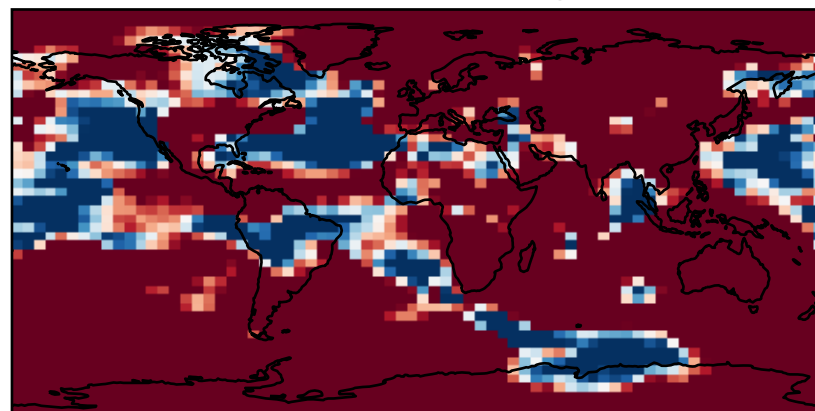
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



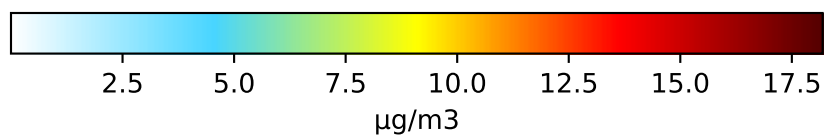
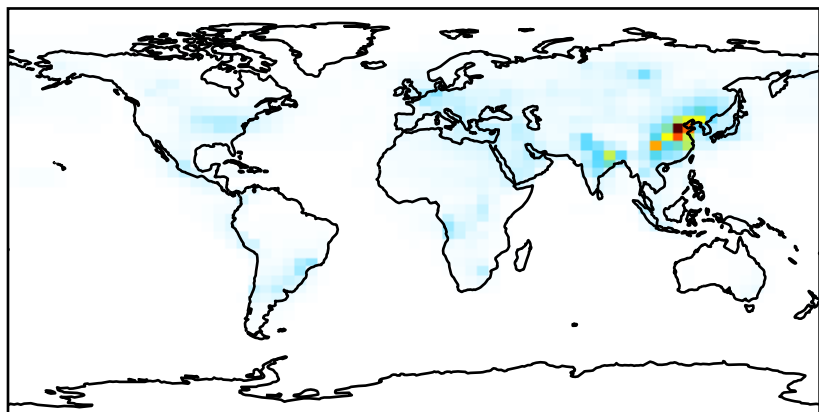
Ratio  
Dev/Ref, Fixed Range



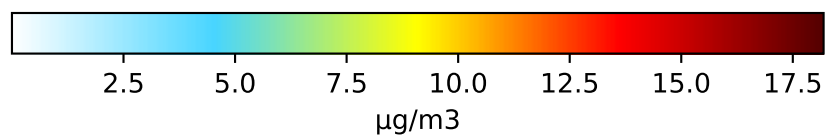
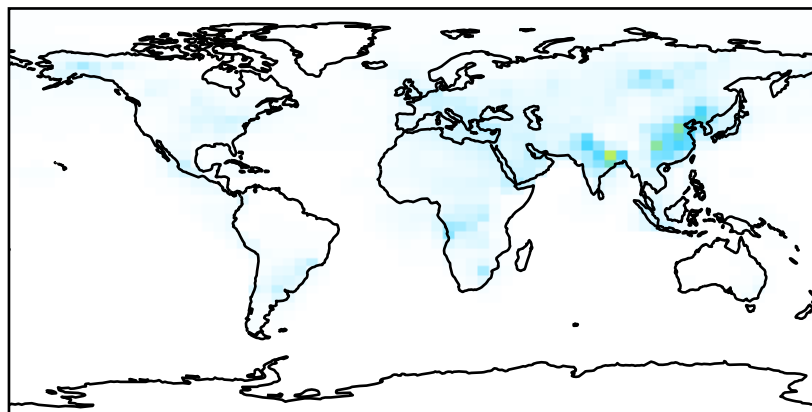


# SpeciesConc\_NH4 (Jul2019)

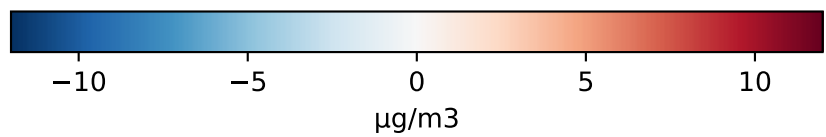
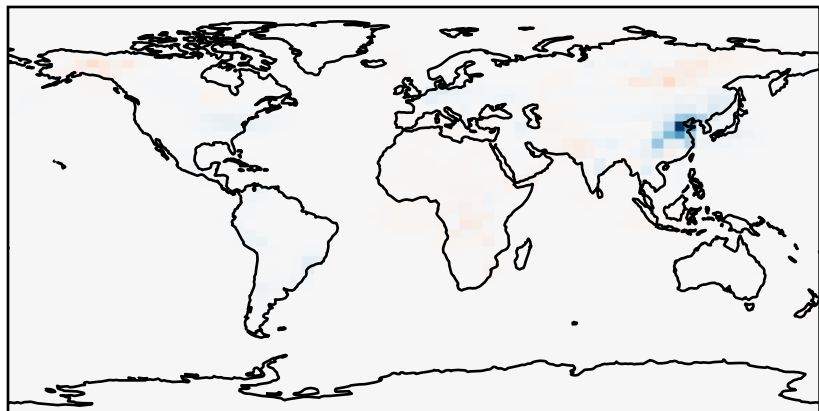
GCC\_12.9.0 (Ref)  
4.0x5.0



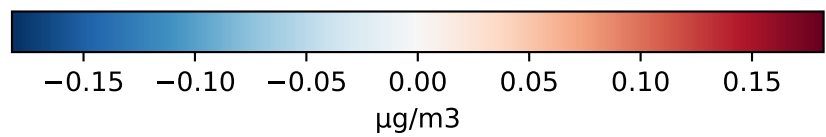
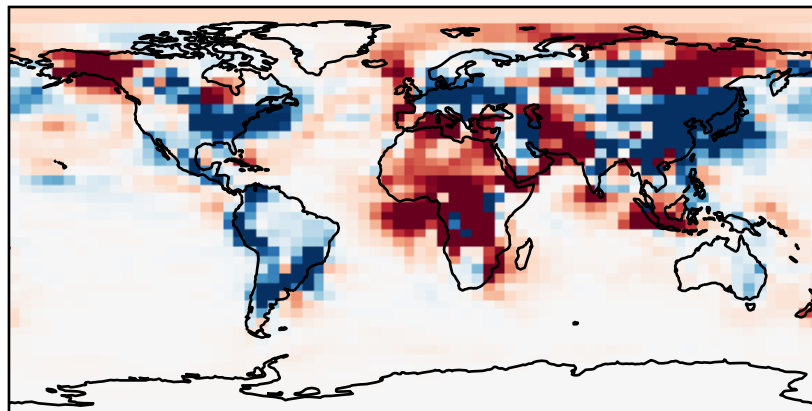
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



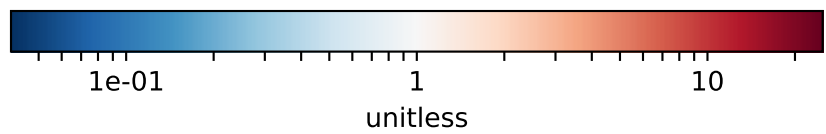
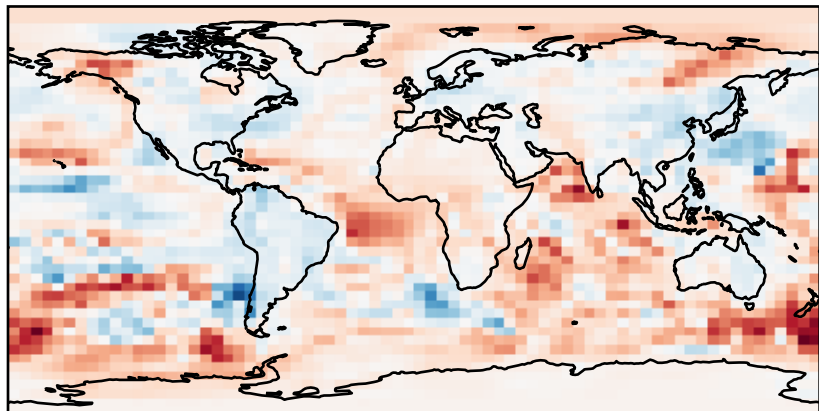
Difference  
Dev - Ref, Dynamic Range



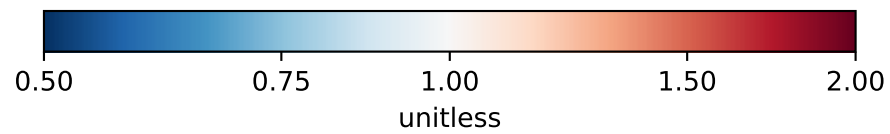
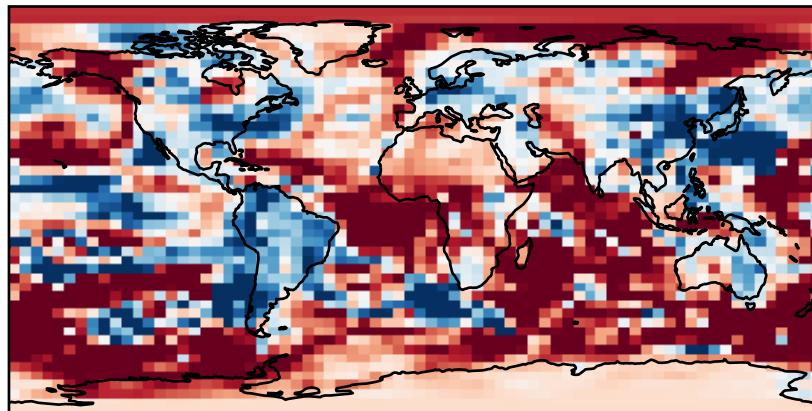
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

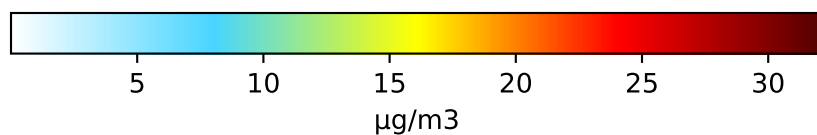
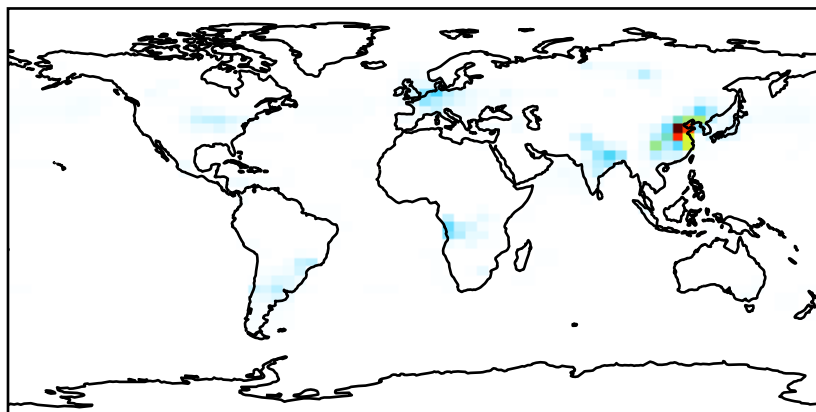


Ratio  
Dev/Ref, Fixed Range

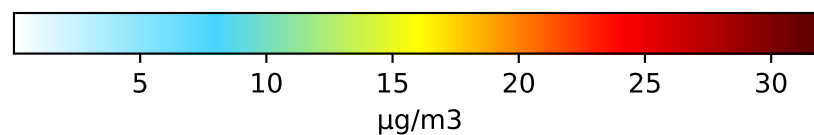
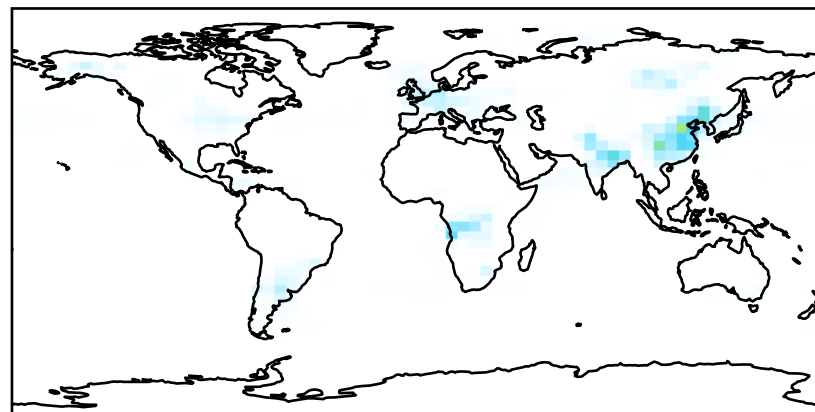


# SpeciesConc\_NIT (Jul2019)

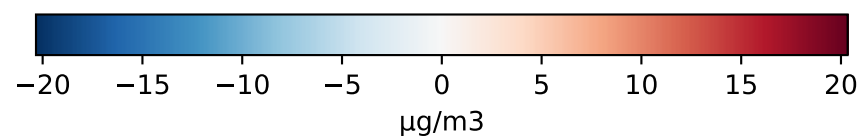
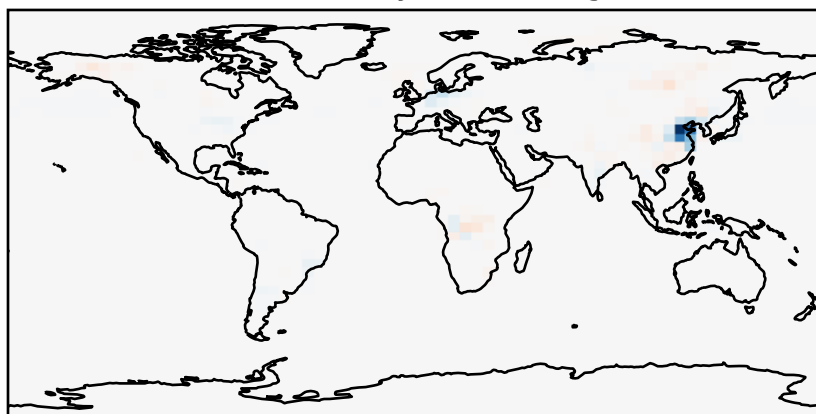
GCC\_12.9.0 (Ref)  
4.0x5.0



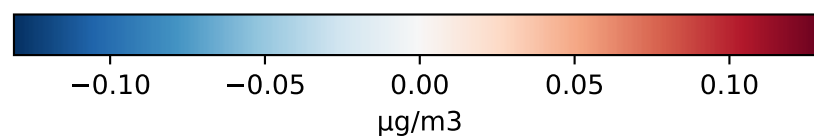
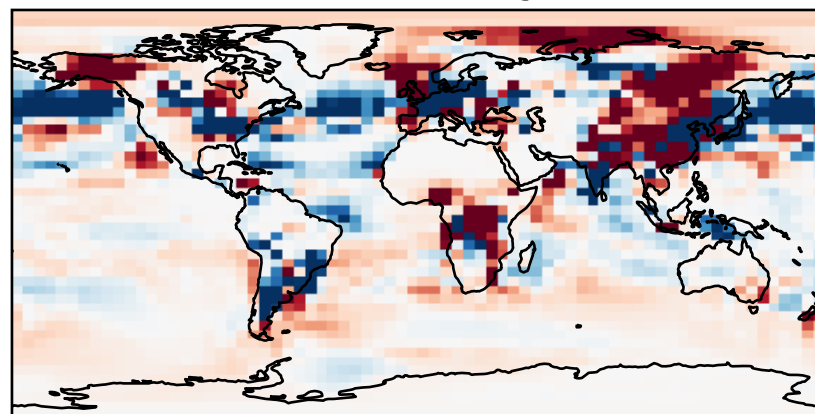
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



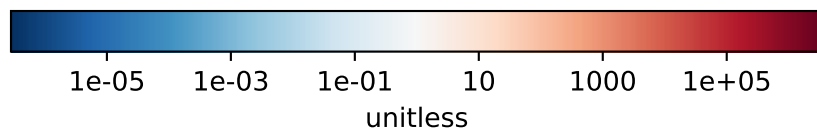
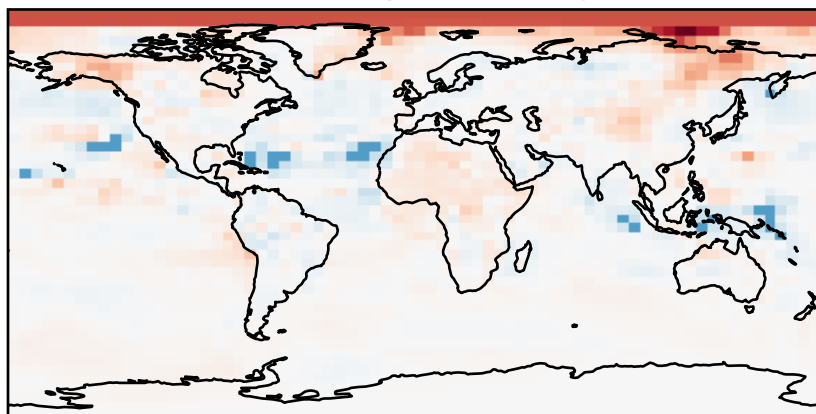
Difference  
Dev - Ref, Dynamic Range



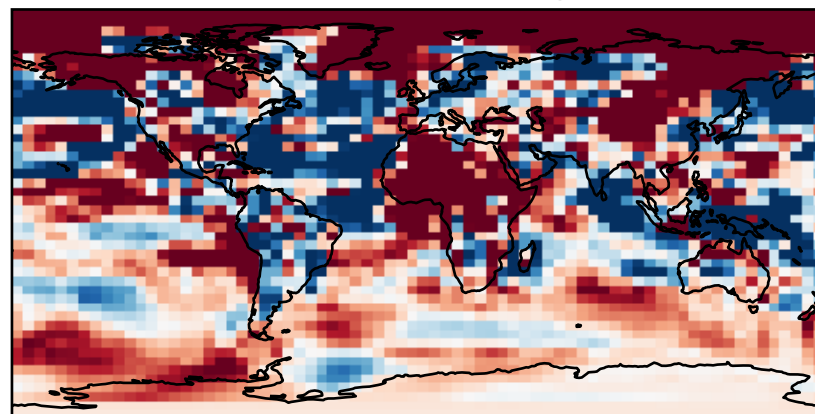
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

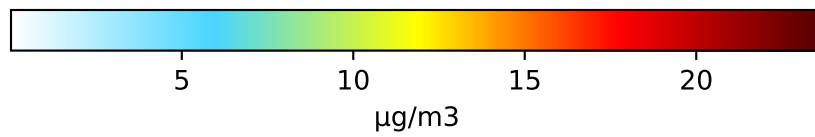
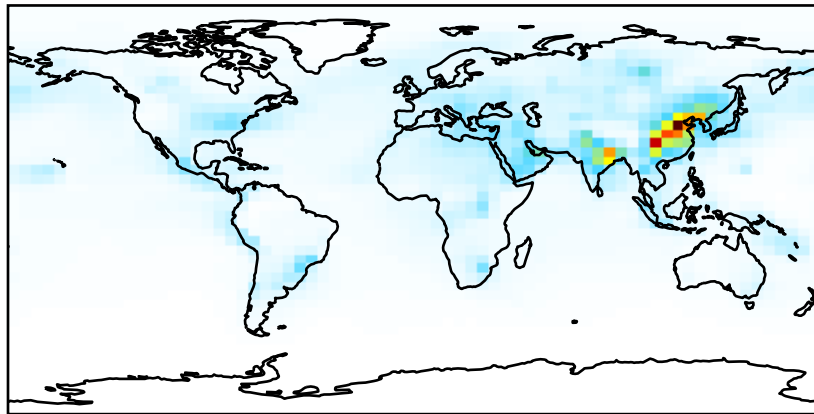


Ratio  
Dev/Ref, Fixed Range

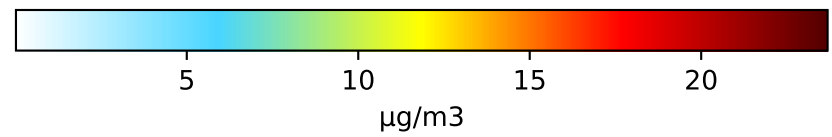
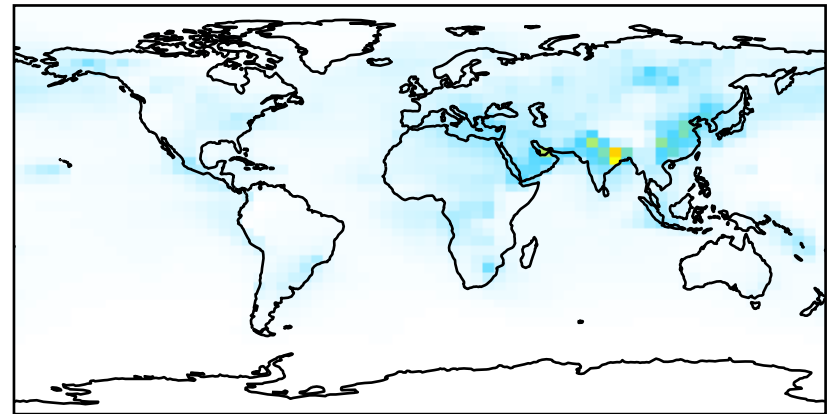


# SpeciesConc\_SO4 (Jul2019)

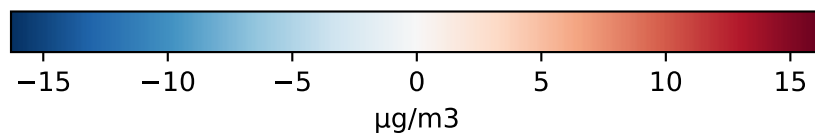
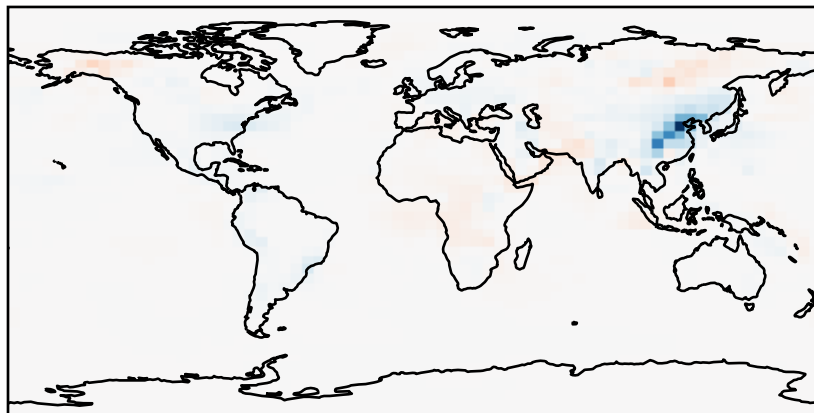
GCC\_12.9.0 (Ref)  
4.0x5.0



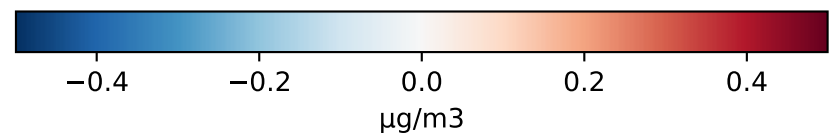
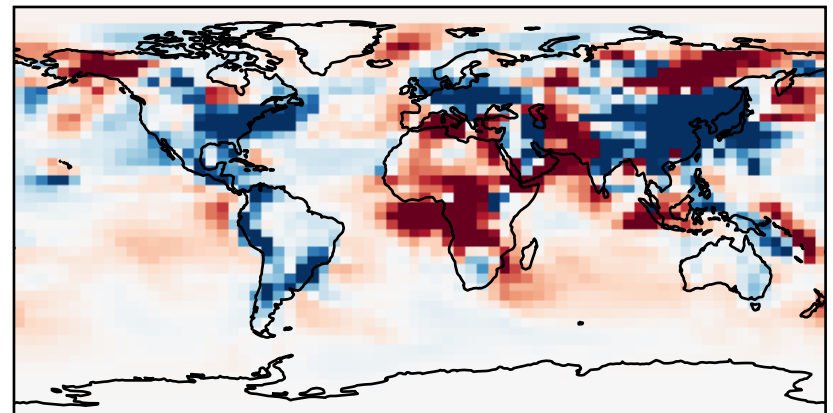
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



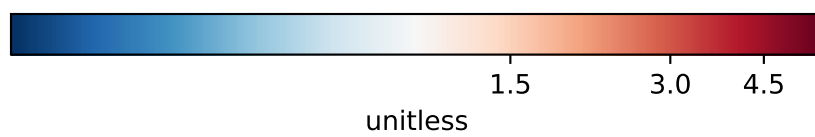
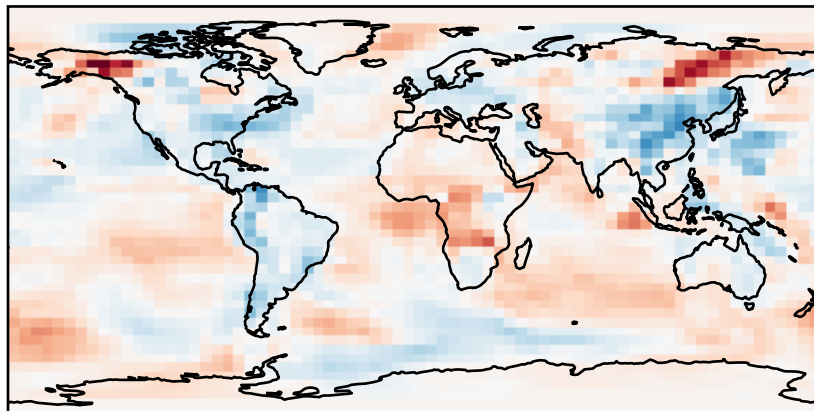
Difference  
Dev - Ref, Dynamic Range



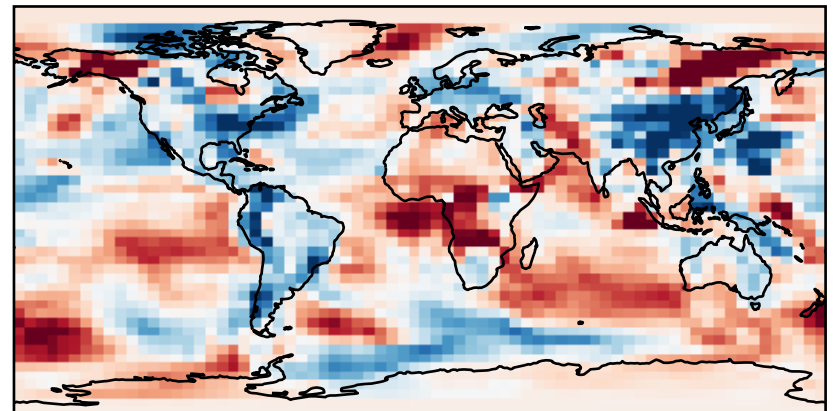
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

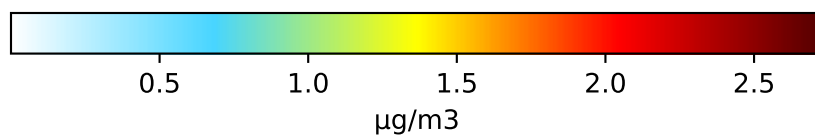
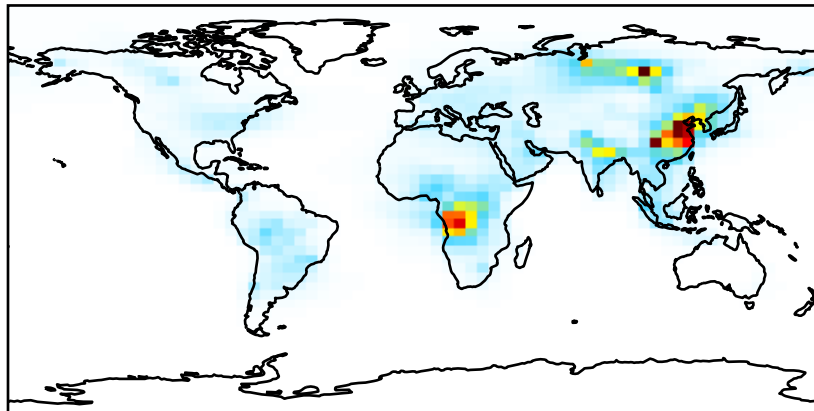


Ratio  
Dev/Ref, Fixed Range

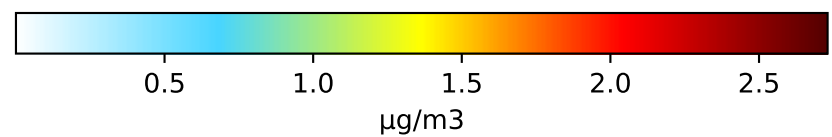
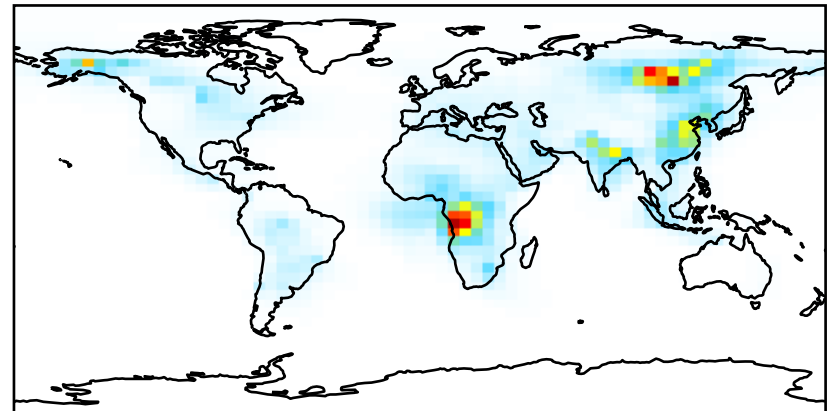


# SpeciesConc\_BCPI (Jul2019)

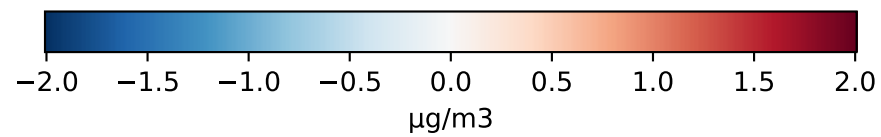
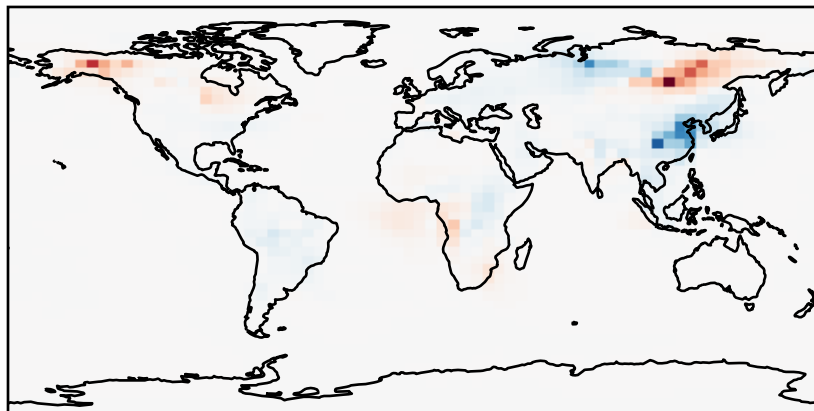
GCC\_12.9.0 (Ref)  
4.0x5.0



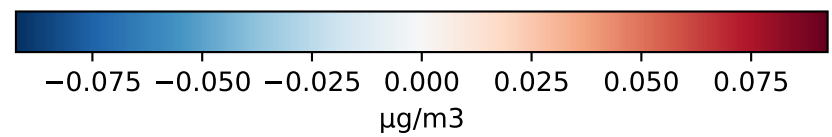
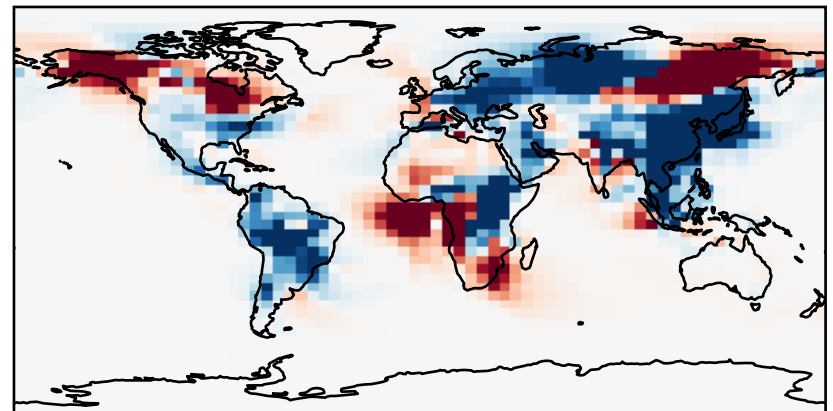
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



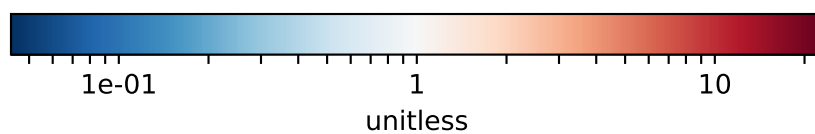
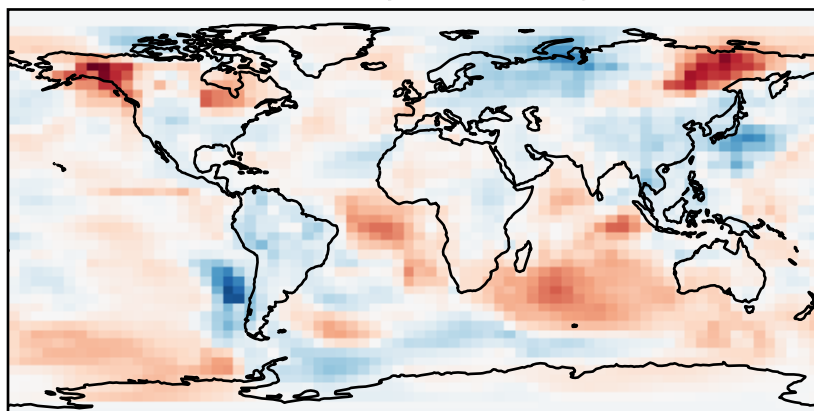
Difference  
Dev - Ref, Dynamic Range



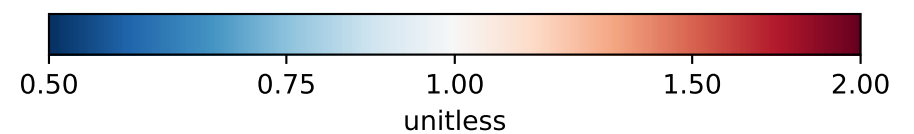
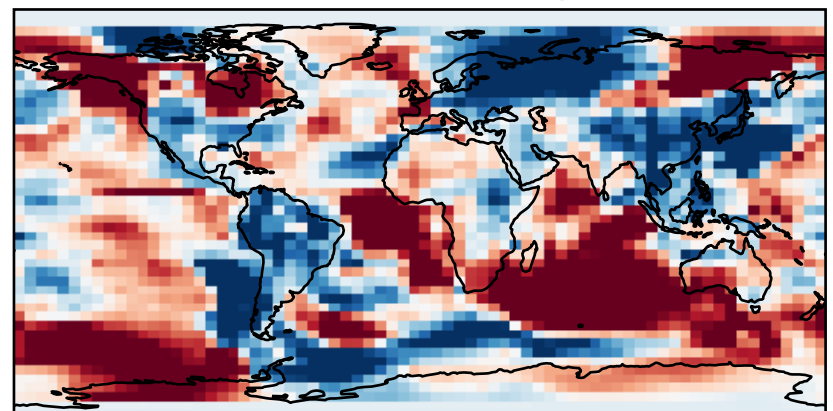
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



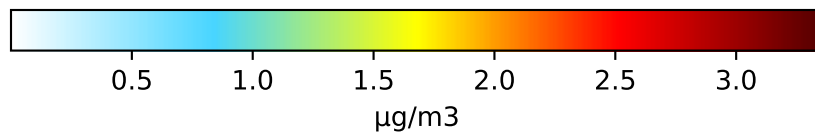
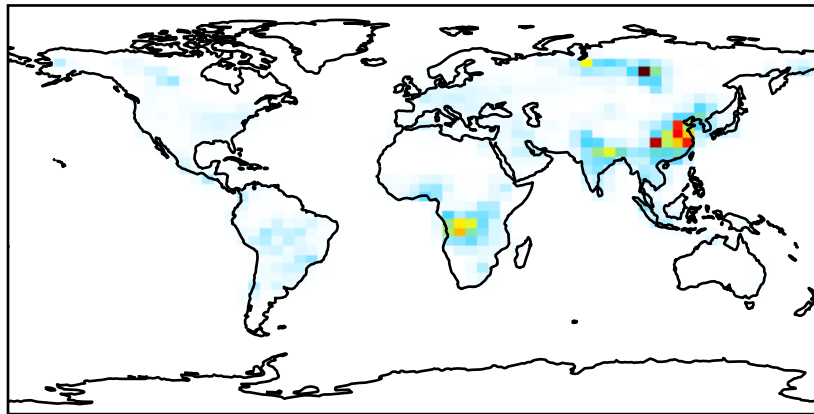
Ratio  
Dev/Ref, Fixed Range



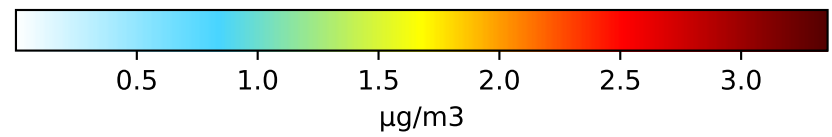
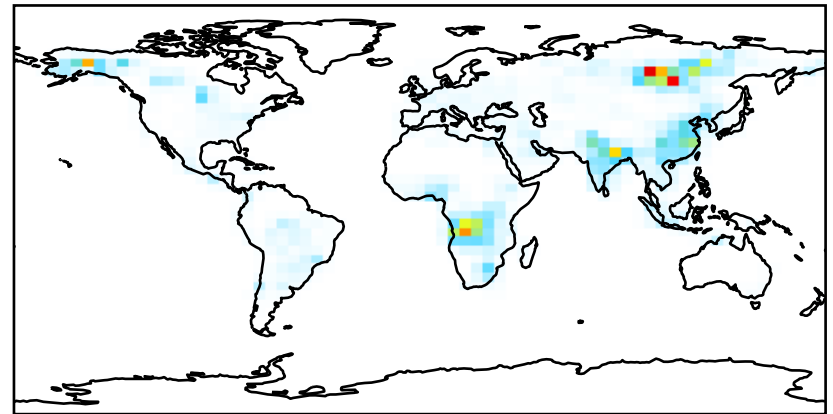


# SpeciesConc\_BCPO (Jul2019)

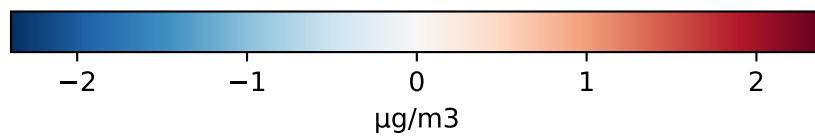
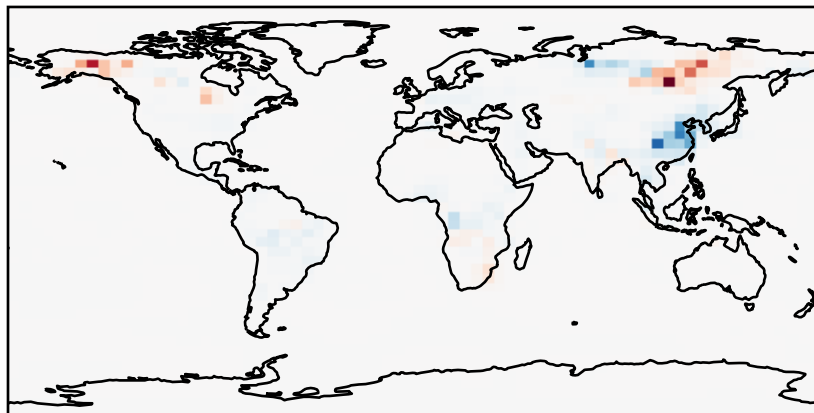
GCC\_12.9.0 (Ref)  
4.0x5.0



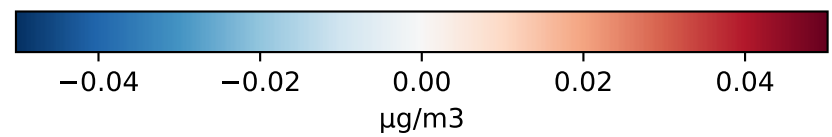
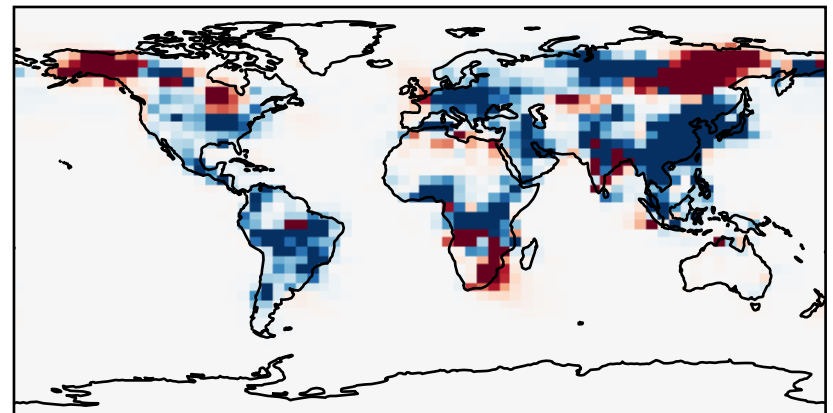
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



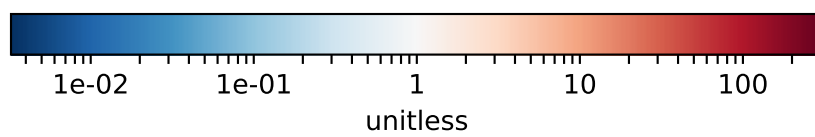
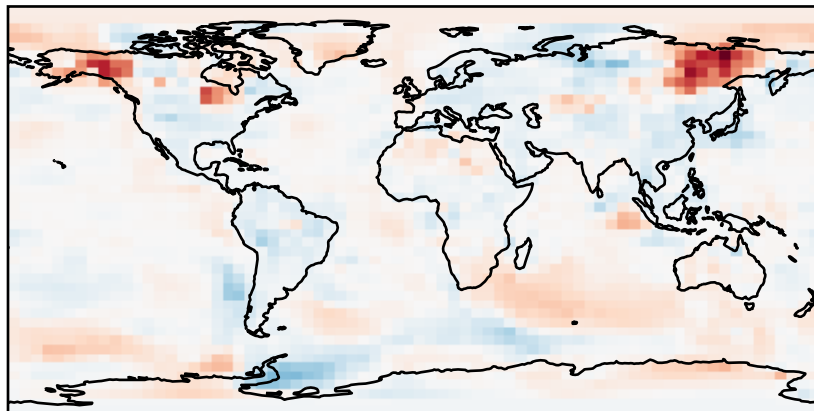
Difference  
Dev - Ref, Dynamic Range



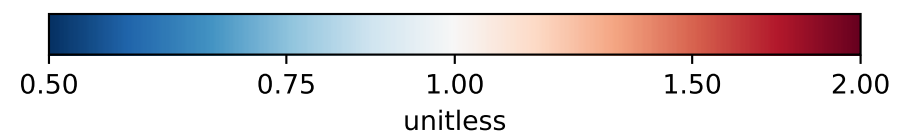
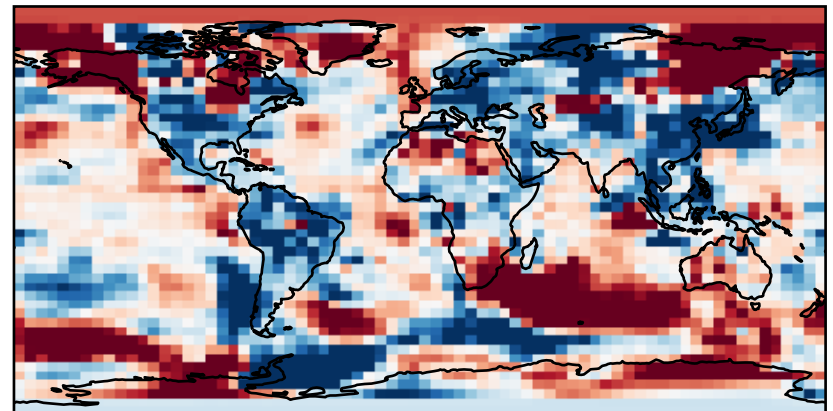
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



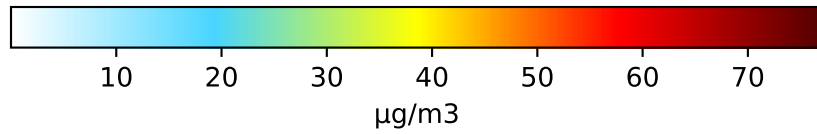
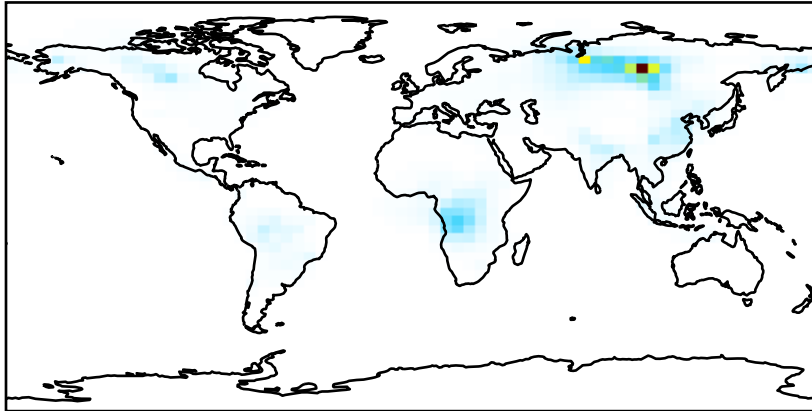
Ratio  
Dev/Ref, Fixed Range



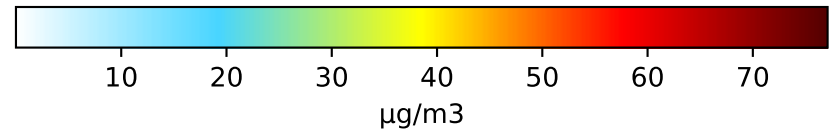
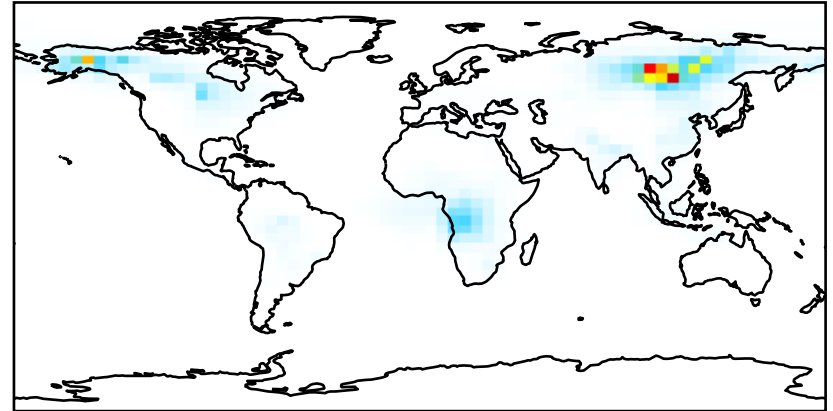


# SpeciesConc\_OCPI (Jul2019)

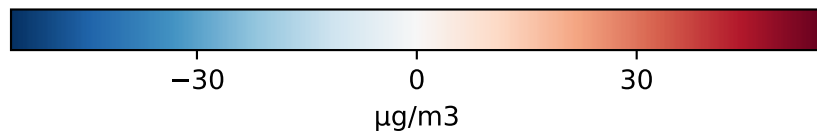
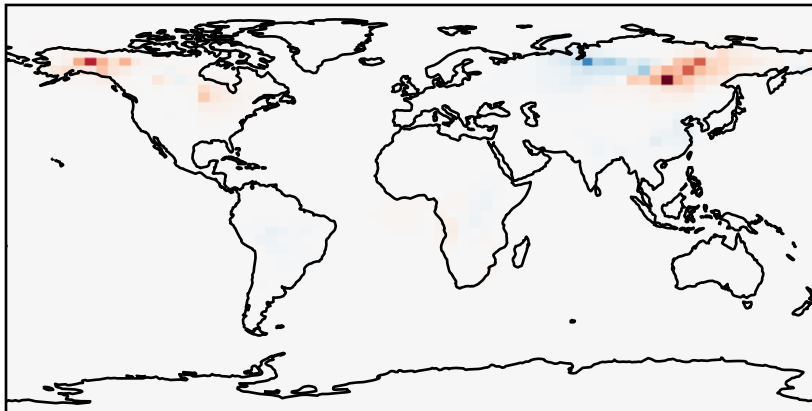
GCC\_12.9.0 (Ref)  
4.0x5.0



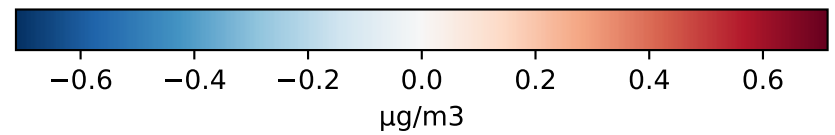
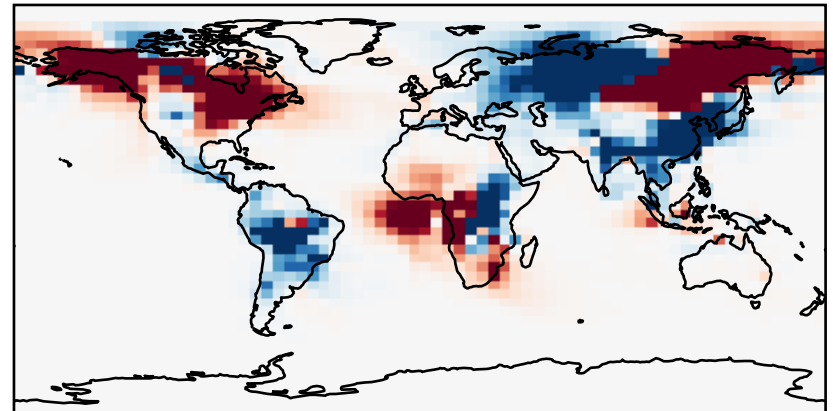
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



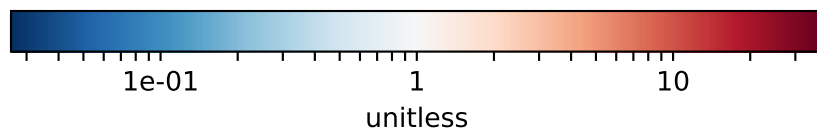
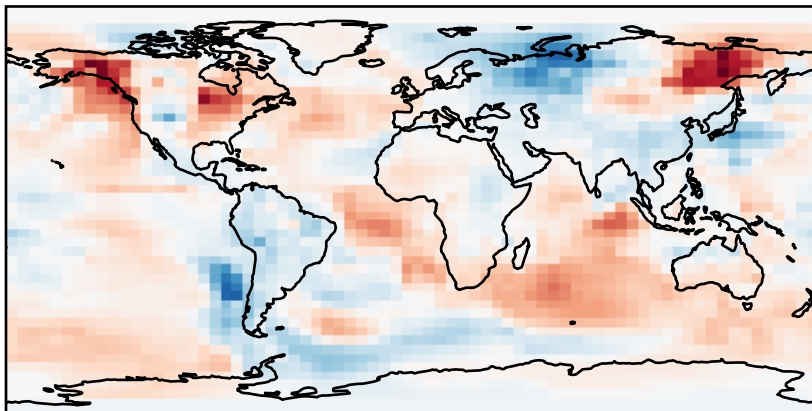
Difference  
Dev - Ref, Dynamic Range



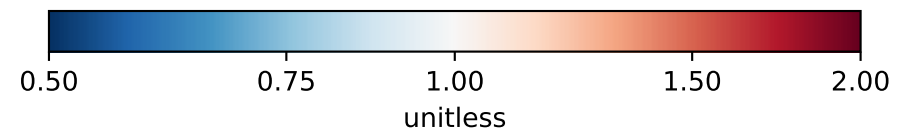
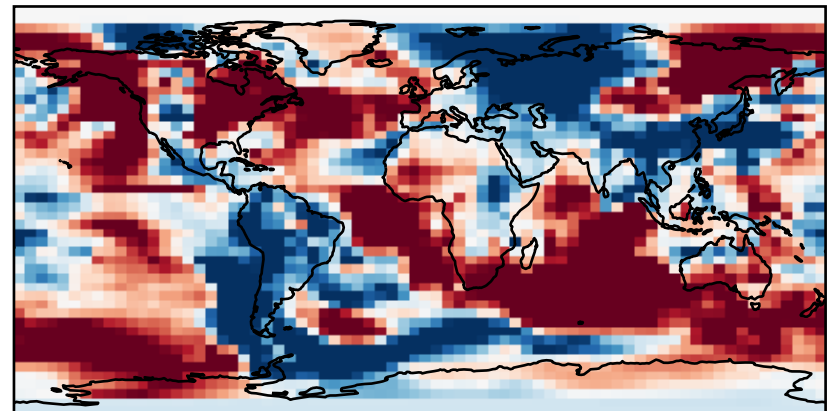
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

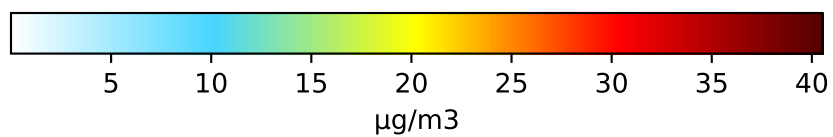
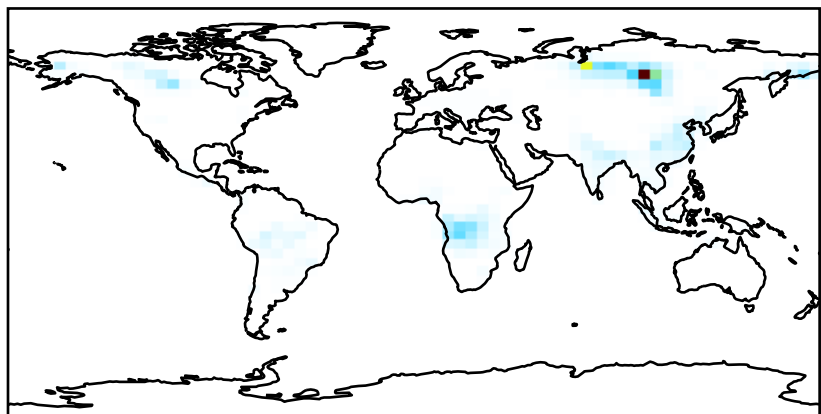


Ratio  
Dev/Ref, Fixed Range

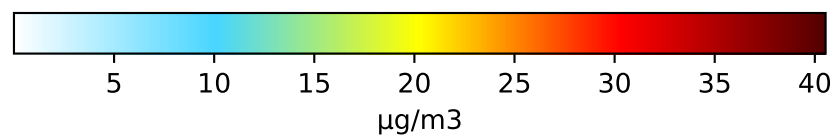
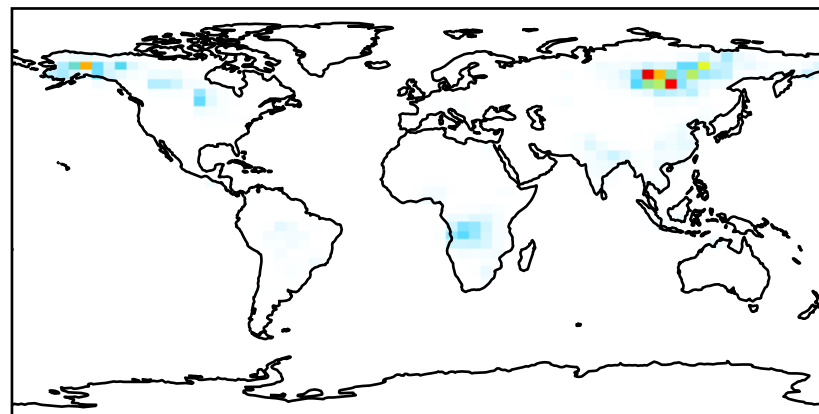


# SpeciesConc\_OCPO (Jul2019)

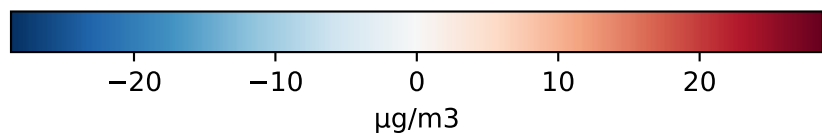
GCC\_12.9.0 (Ref)  
4.0x5.0



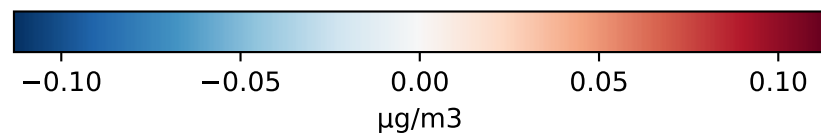
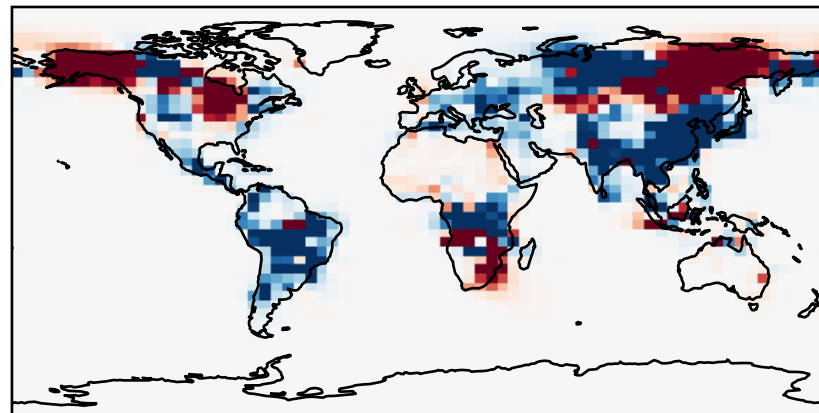
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



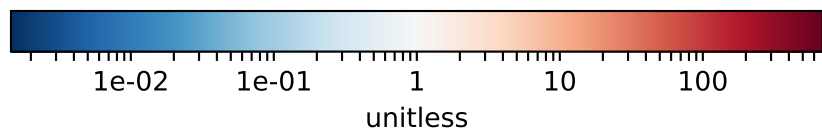
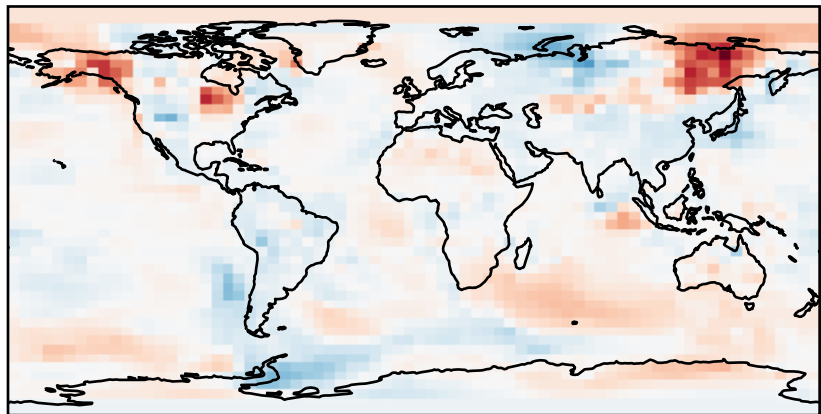
Difference  
Dev - Ref, Dynamic Range



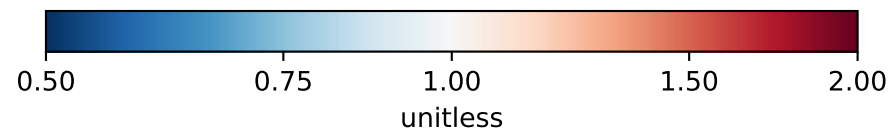
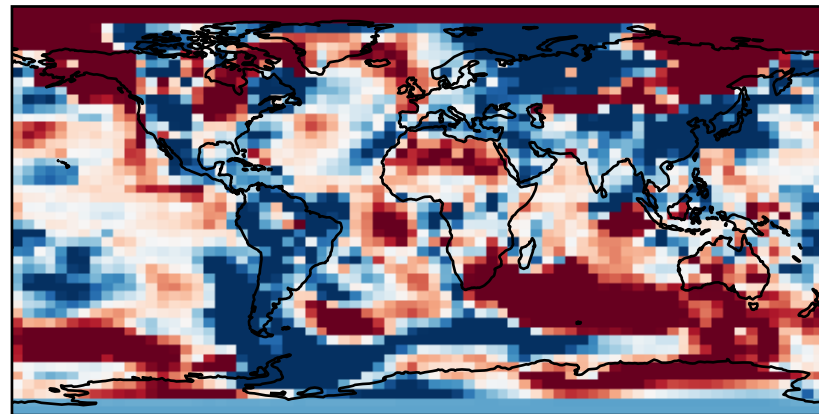
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

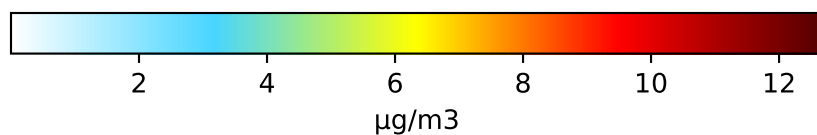
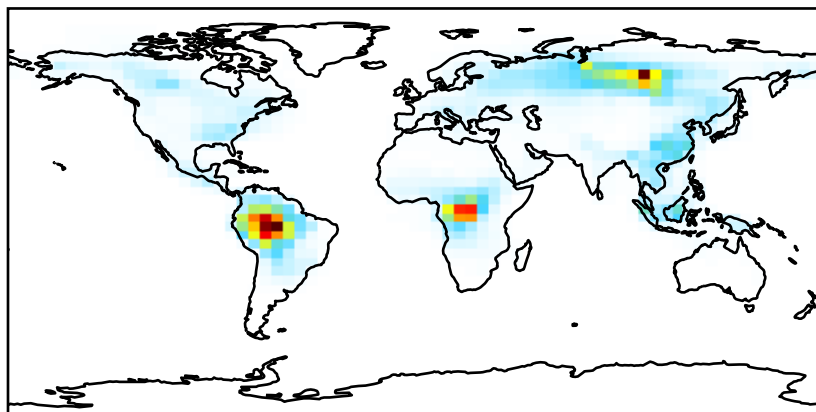


Ratio  
Dev/Ref, Fixed Range

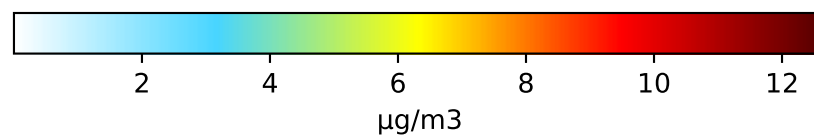
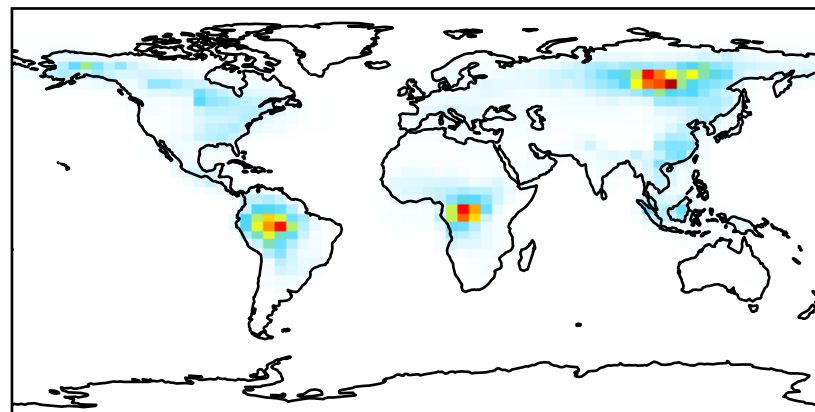


# SpeciesConc\_Complex\_SOA (Jul2019)

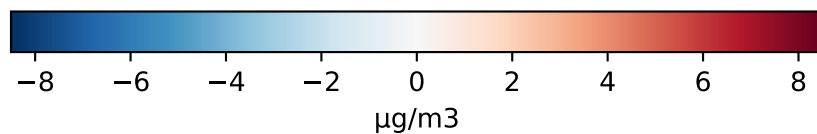
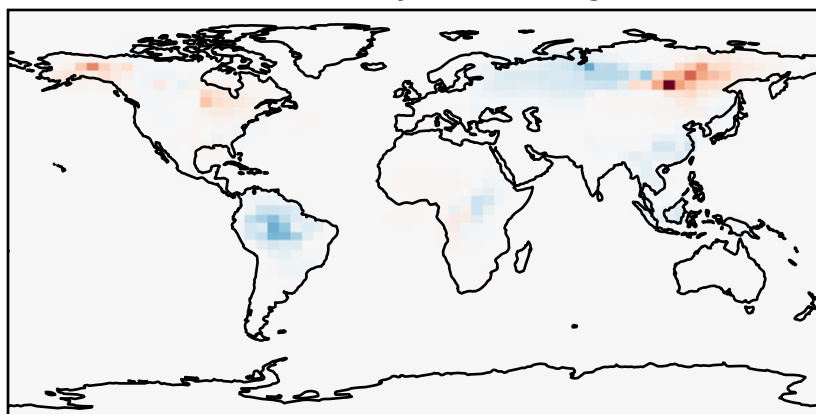
GCC\_12.9.0 (Ref)  
4.0x5.0



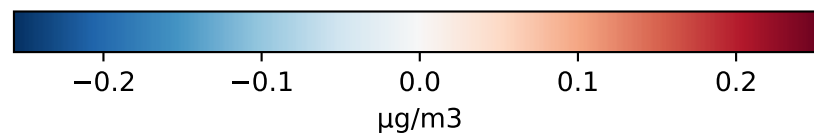
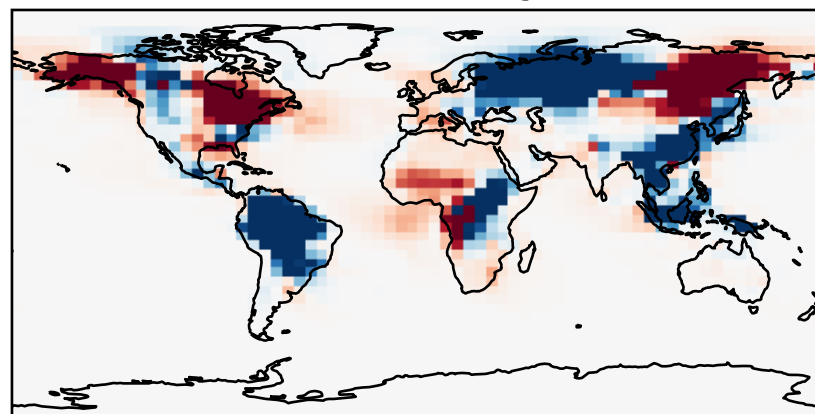
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



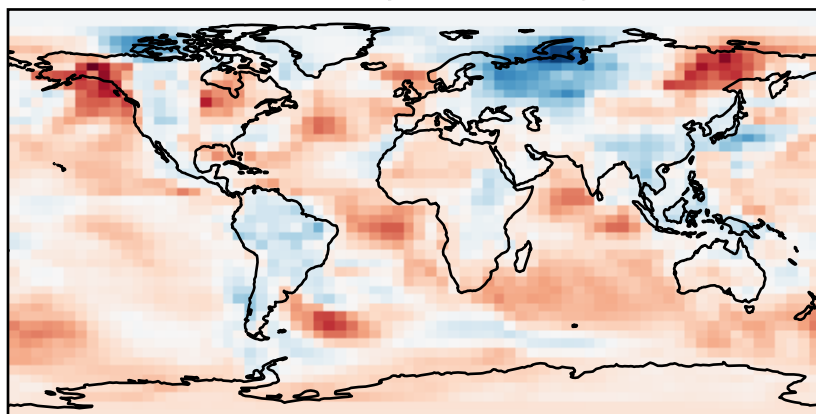
Difference  
Dev - Ref, Dynamic Range



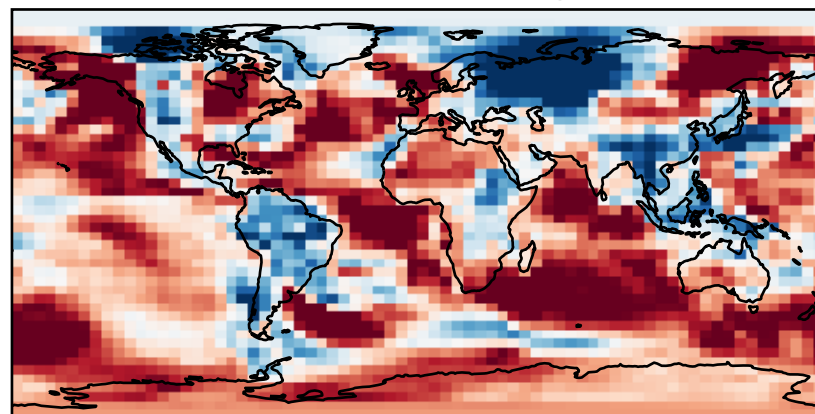
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

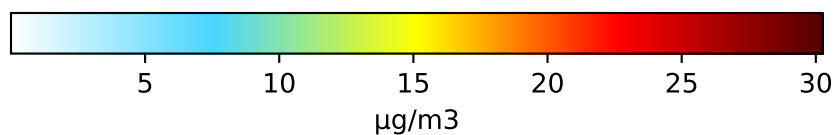
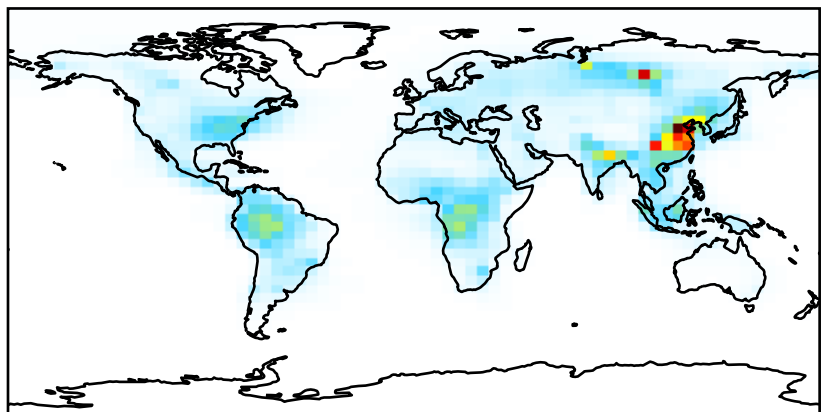


Ratio  
Dev/Ref, Fixed Range

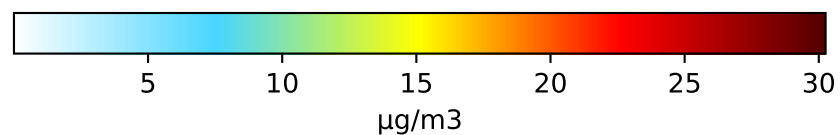
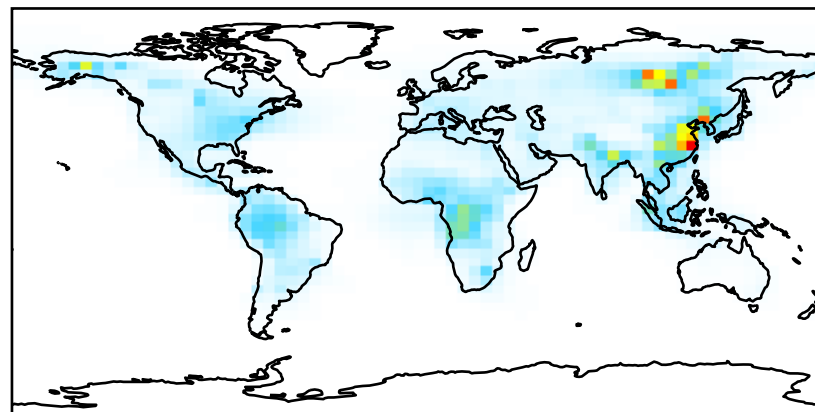


# SpeciesConc\_Simple\_SOA (Jul2019)

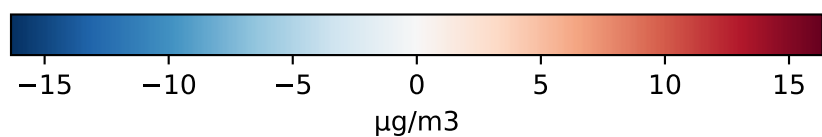
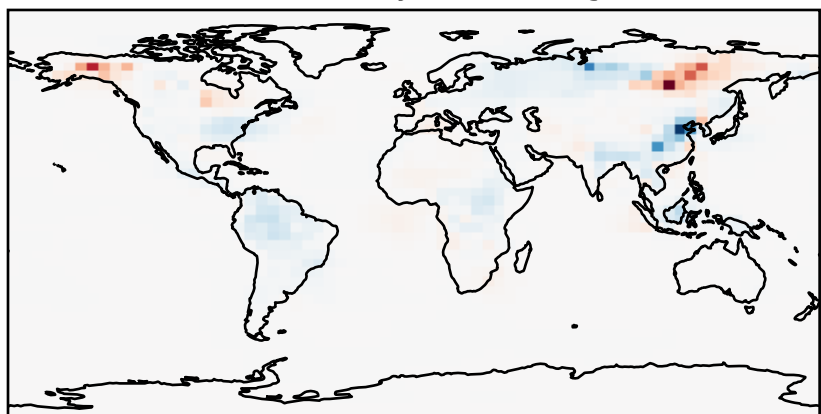
GCC\_12.9.0 (Ref)  
4.0x5.0



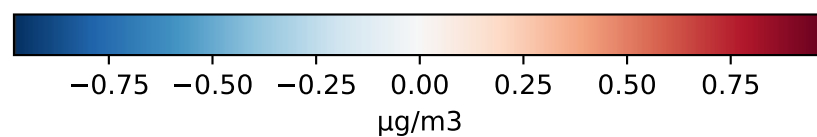
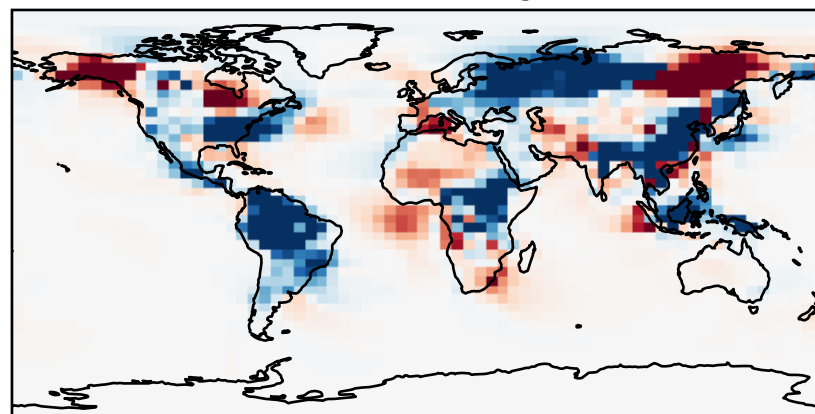
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



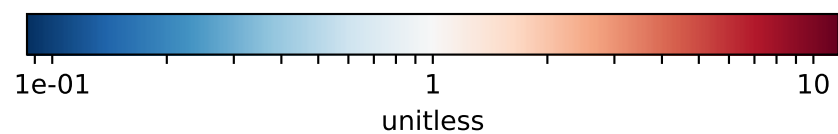
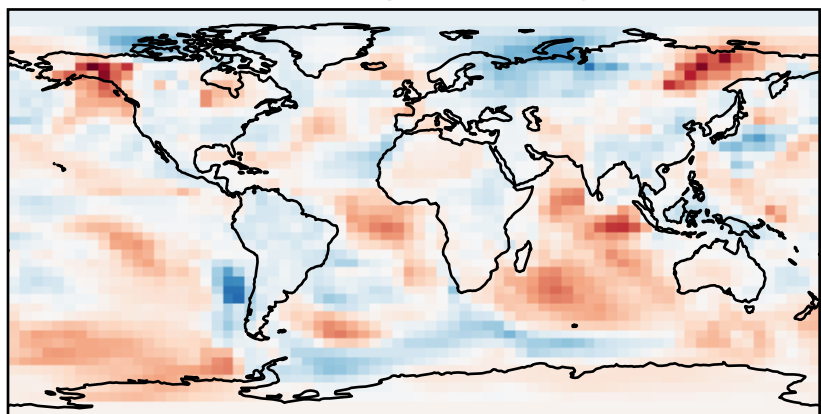
Difference  
Dev - Ref, Dynamic Range



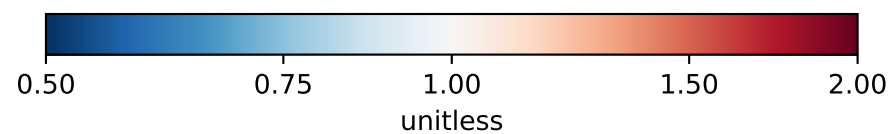
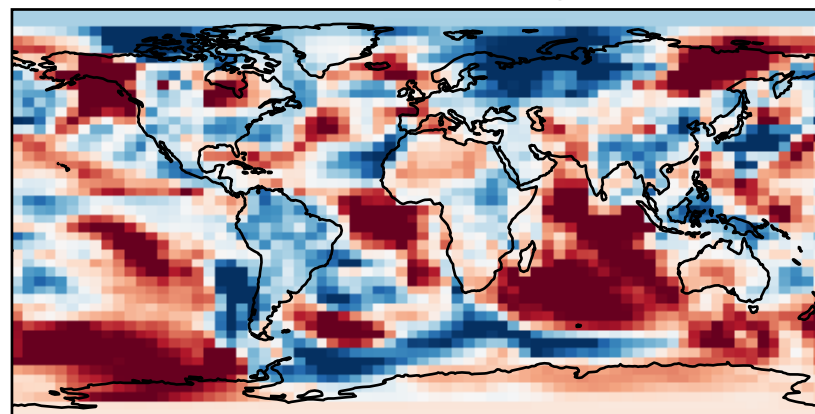
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



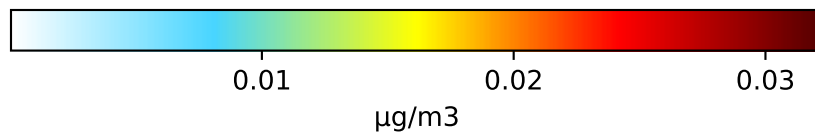
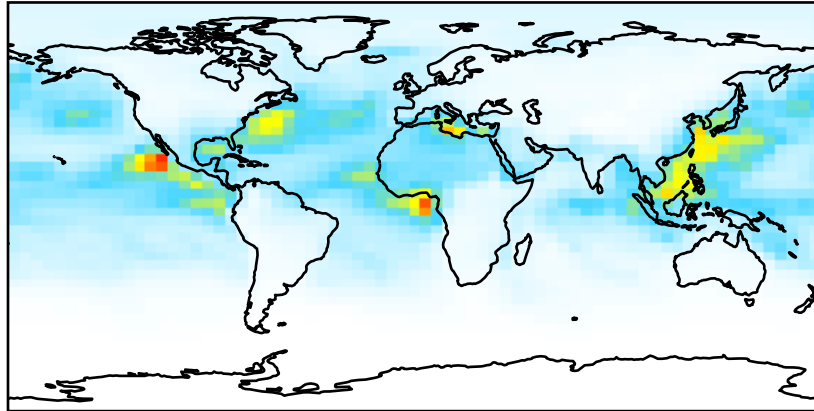
Ratio  
Dev/Ref, Fixed Range



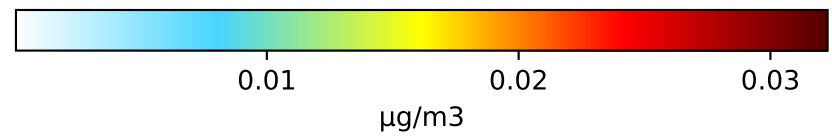
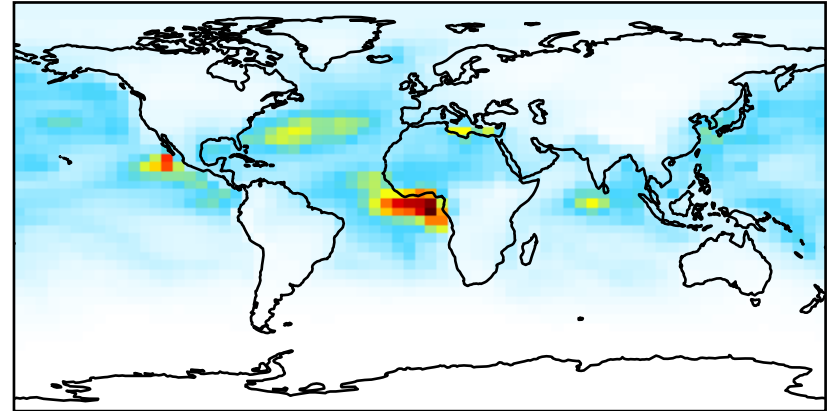


# SpeciesConc\_AERI (Jul2019)

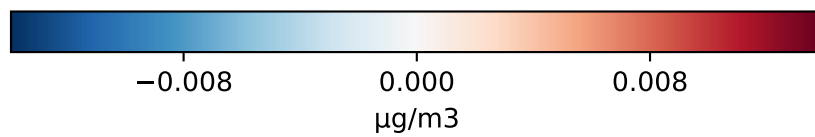
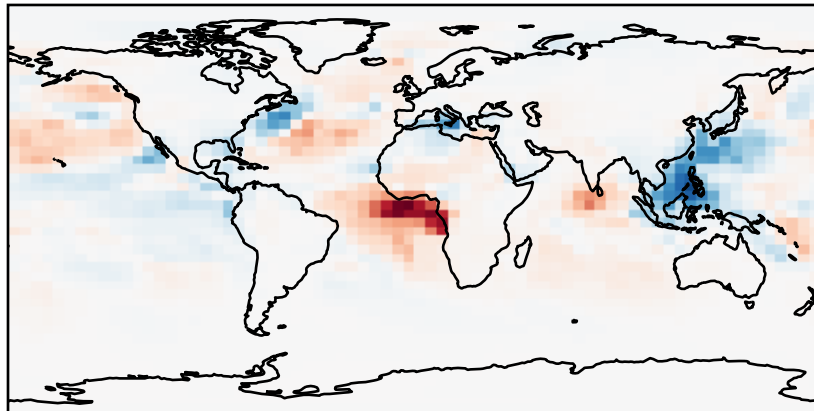
GCC\_12.9.0 (Ref)  
4.0x5.0



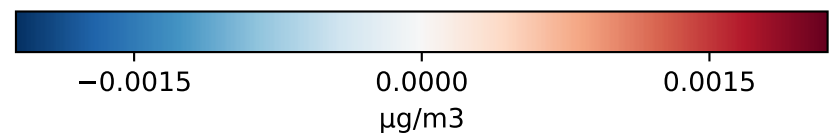
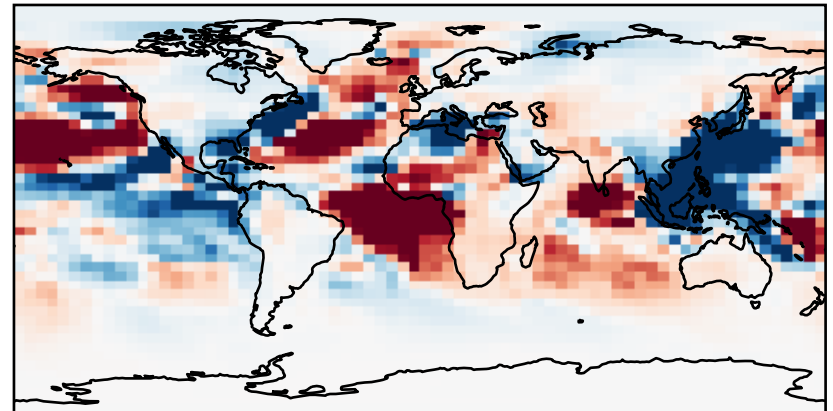
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



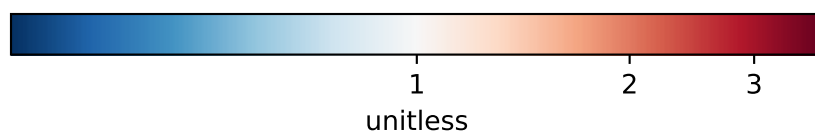
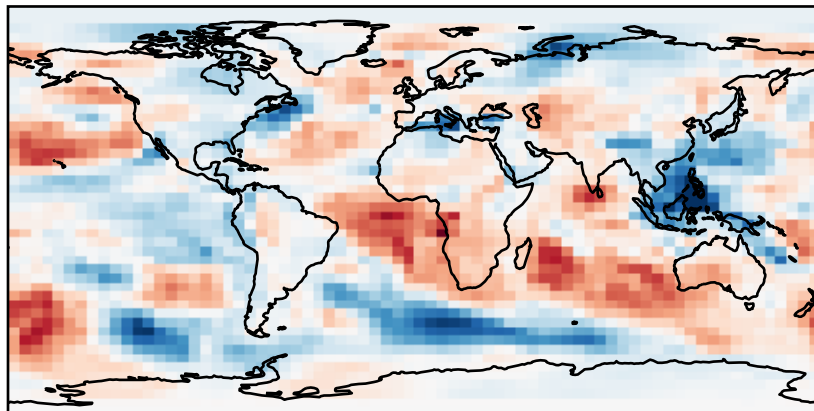
Difference  
Dev - Ref, Dynamic Range



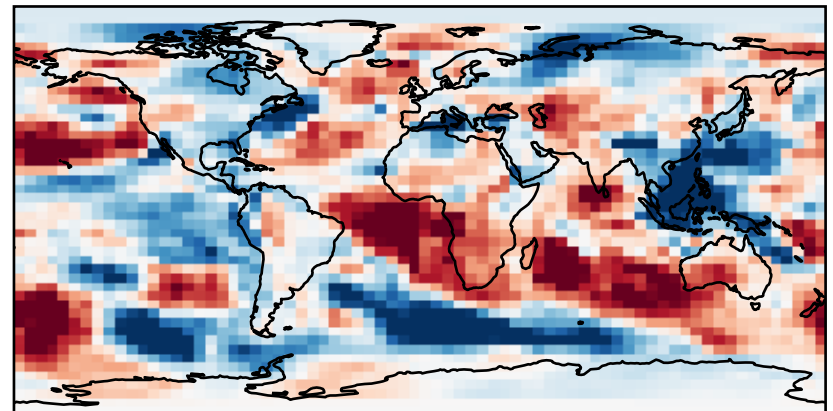
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

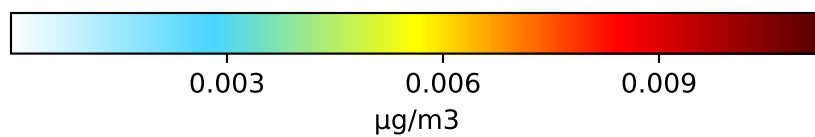
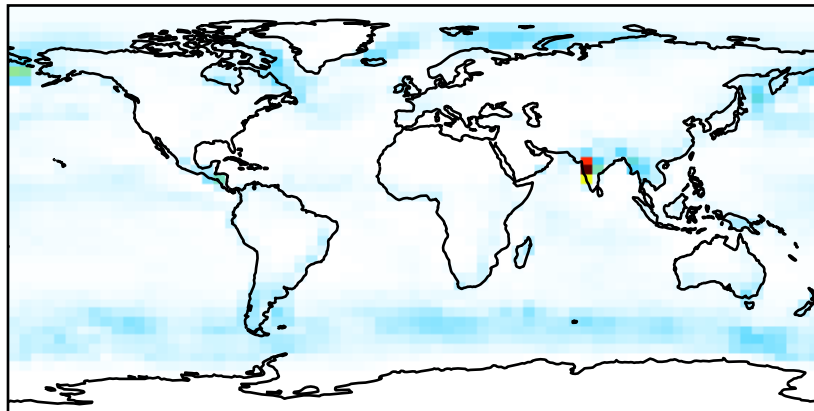


Ratio  
Dev/Ref, Fixed Range

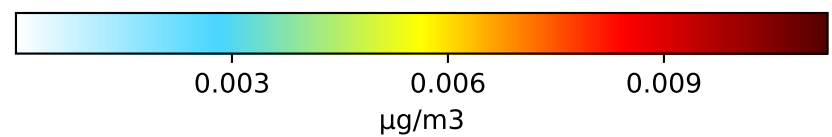
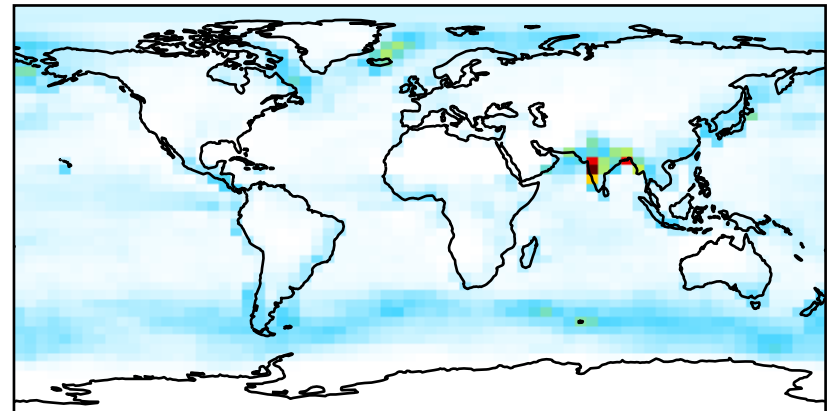


# SpeciesConc\_BrSALA (Jul2019)

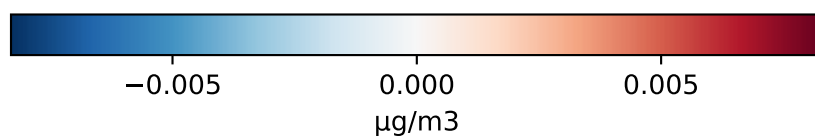
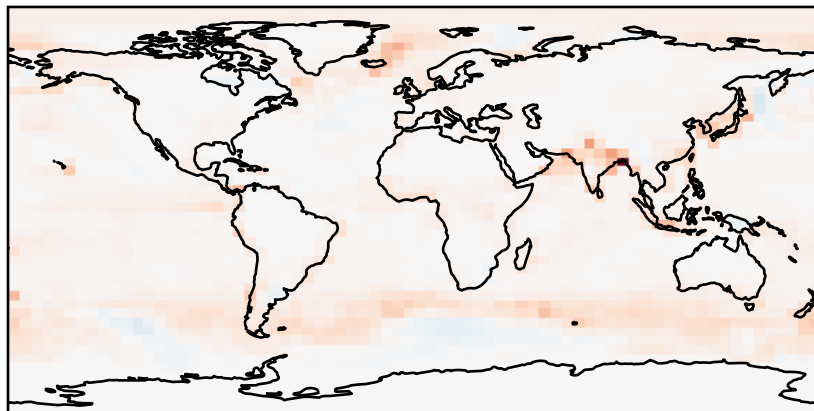
GCC\_12.9.0 (Ref)  
4.0x5.0



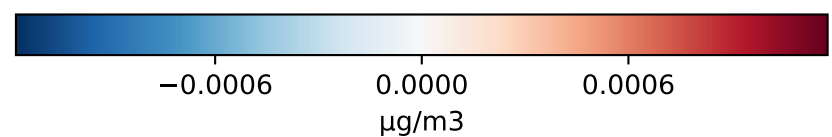
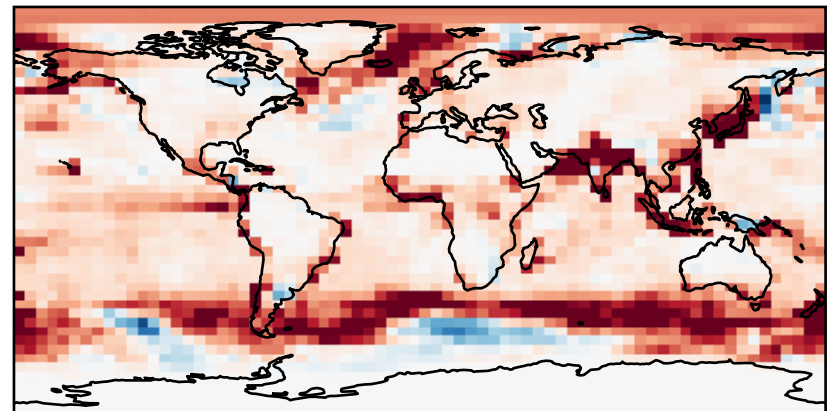
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



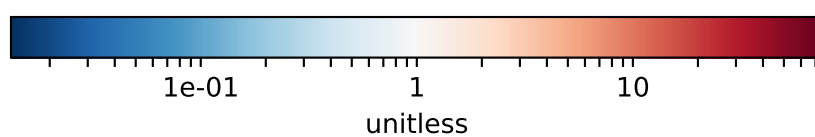
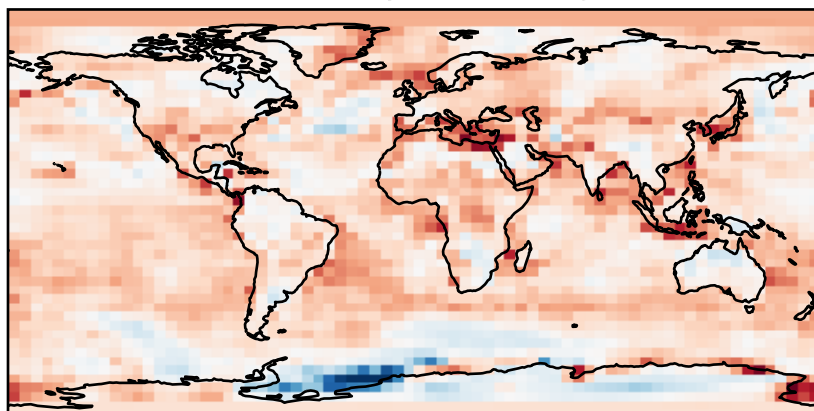
Difference  
Dev - Ref, Dynamic Range



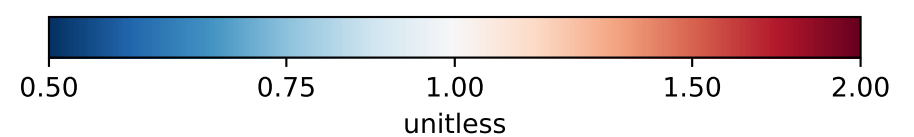
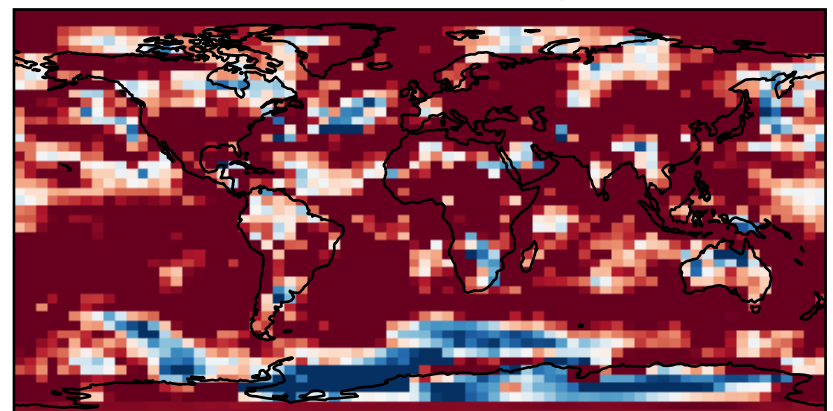
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

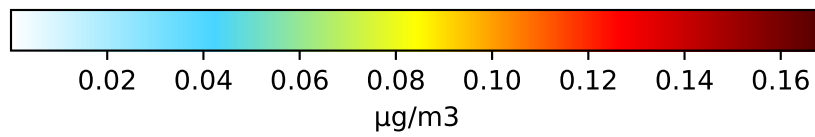
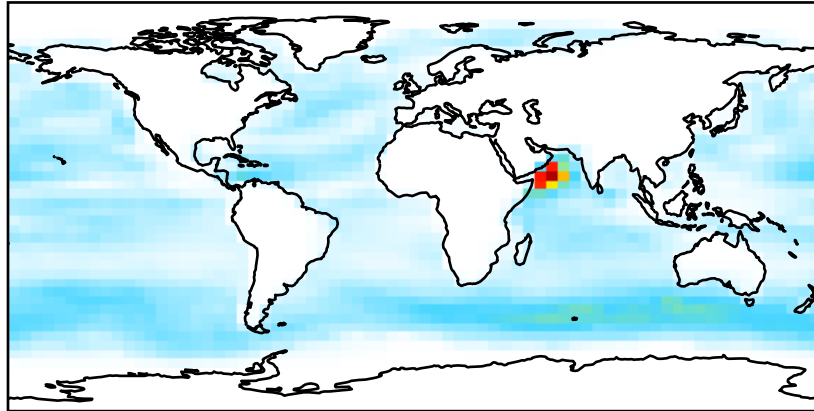


Ratio  
Dev/Ref, Fixed Range

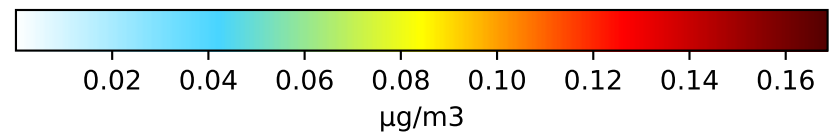
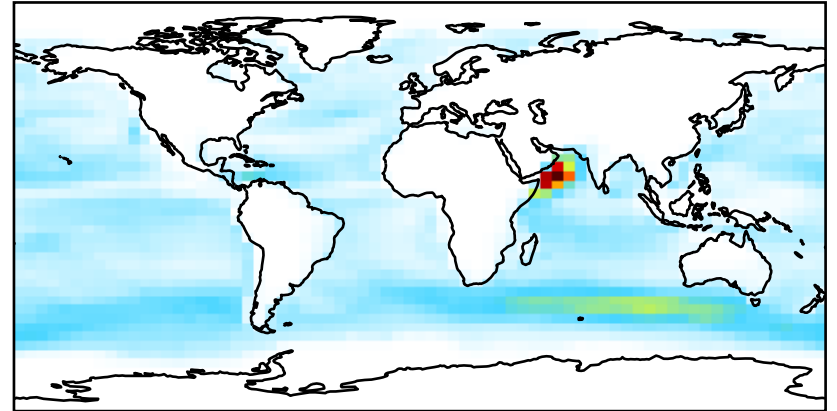


# SpeciesConc\_BrSALC (Jul2019)

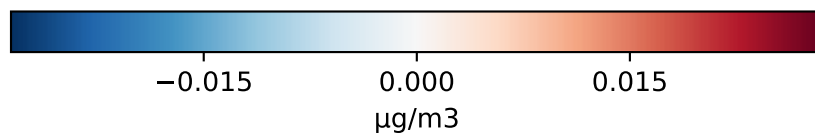
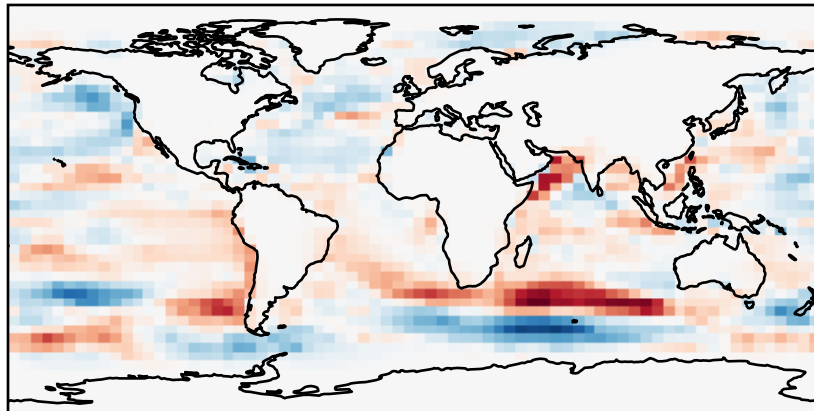
GCC\_12.9.0 (Ref)  
4.0x5.0



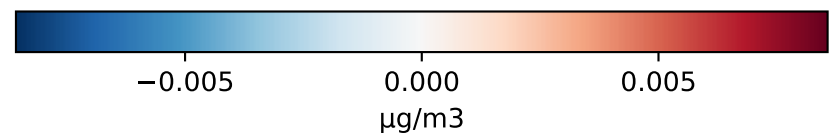
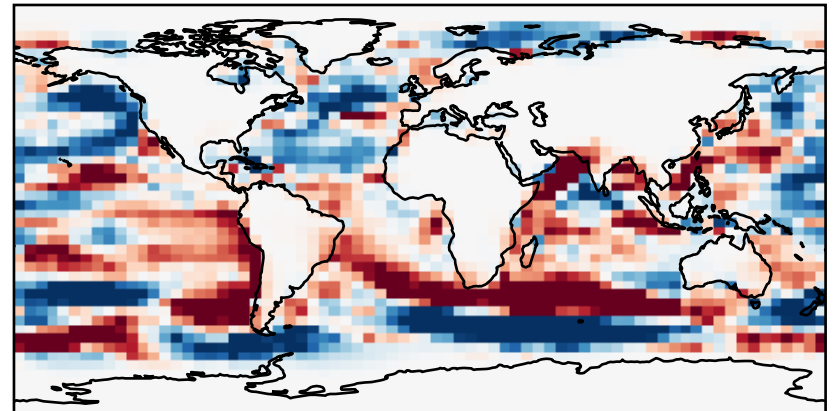
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



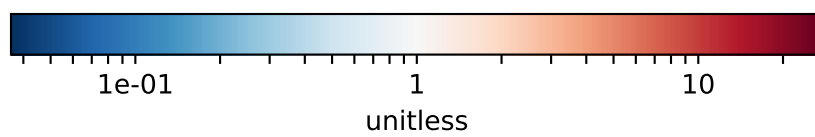
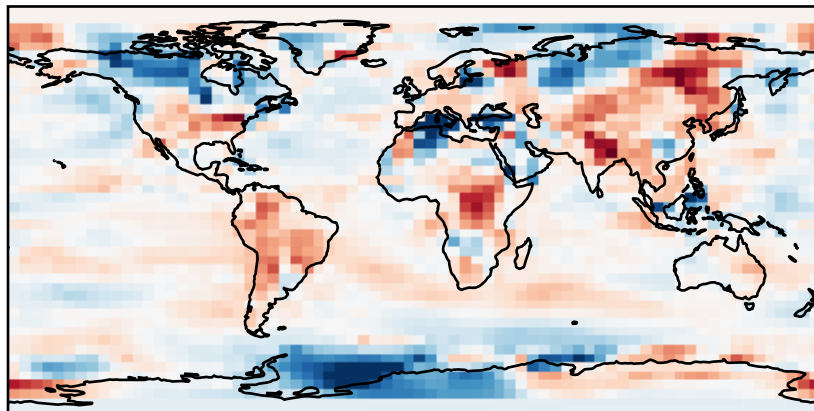
Difference  
Dev - Ref, Dynamic Range



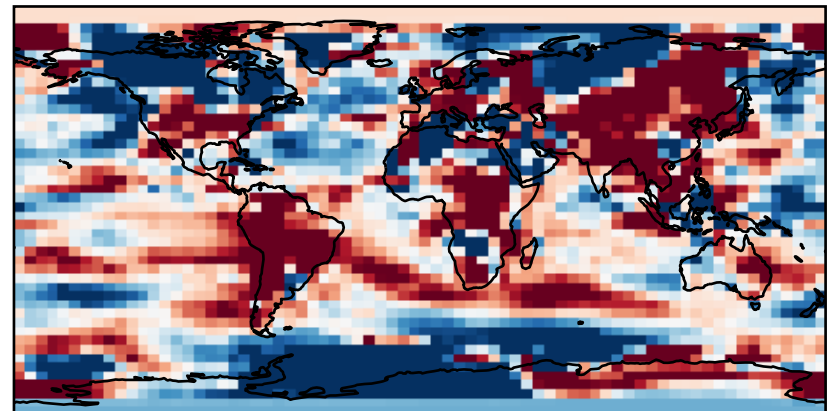
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

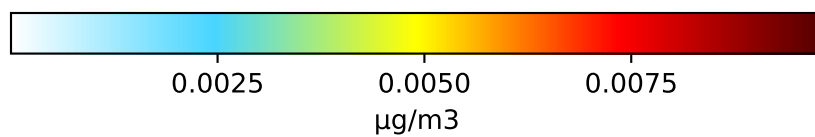
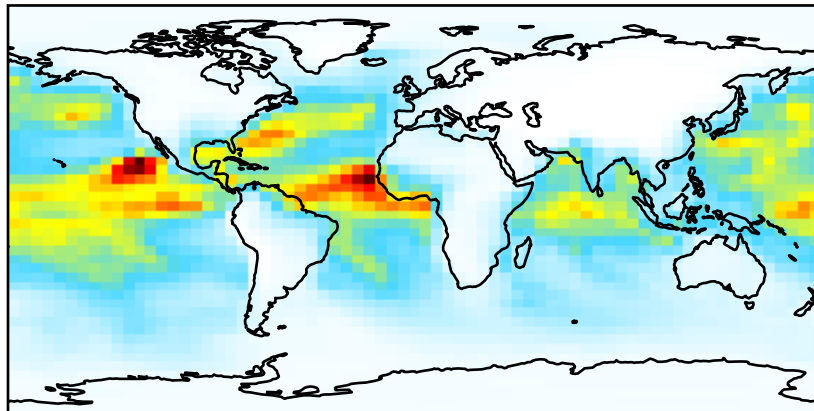


Ratio  
Dev/Ref, Fixed Range

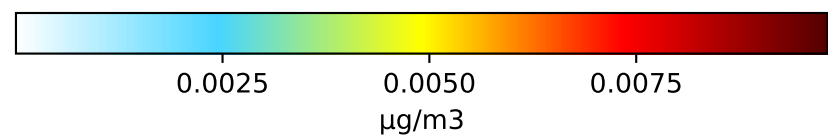
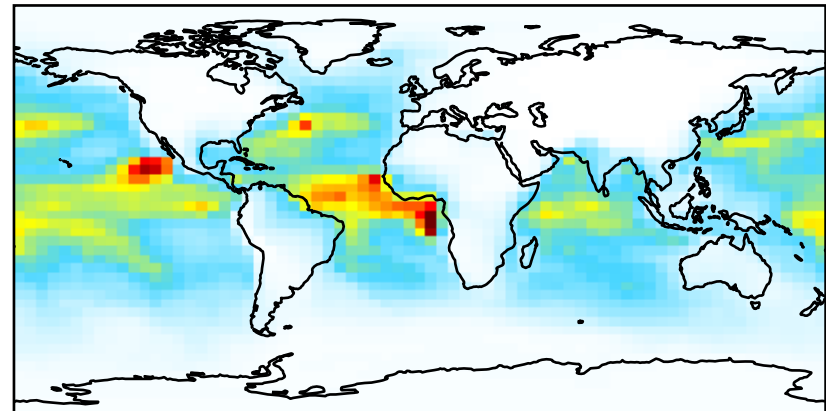


# SpeciesConc\_ISALA (Jul2019)

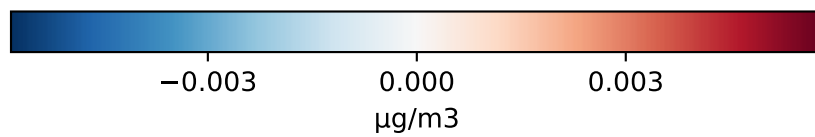
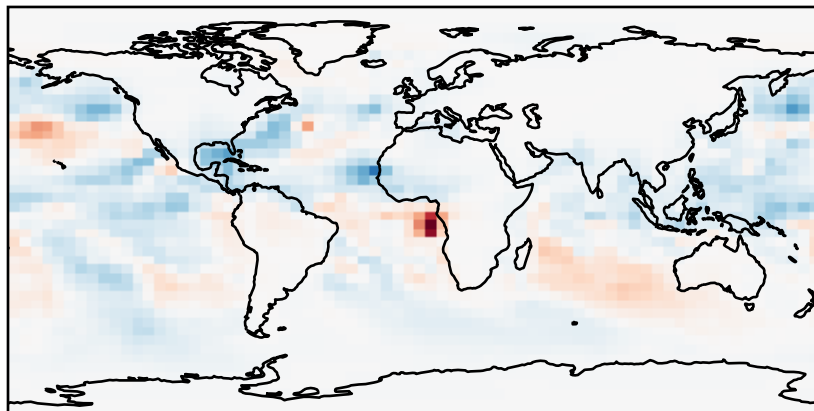
GCC\_12.9.0 (Ref)  
4.0x5.0



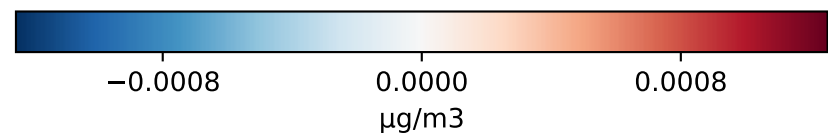
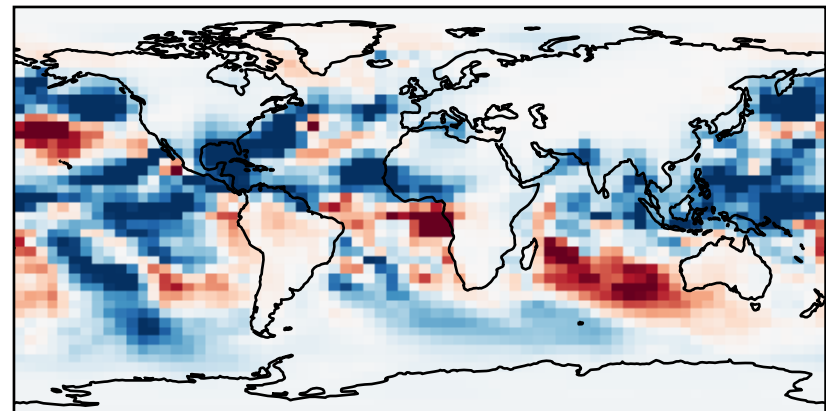
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



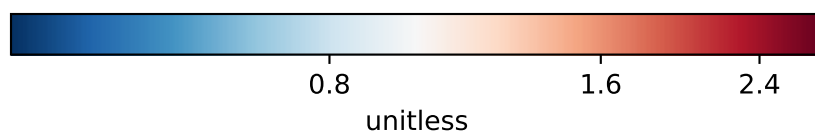
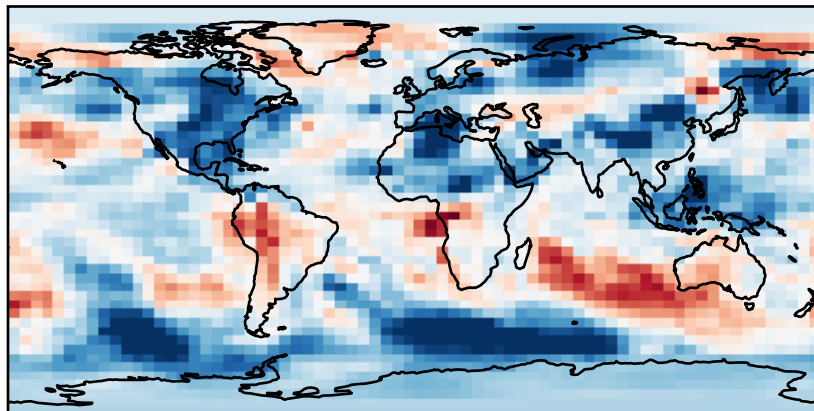
Difference  
Dev - Ref, Dynamic Range



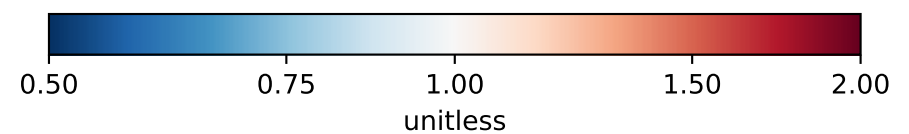
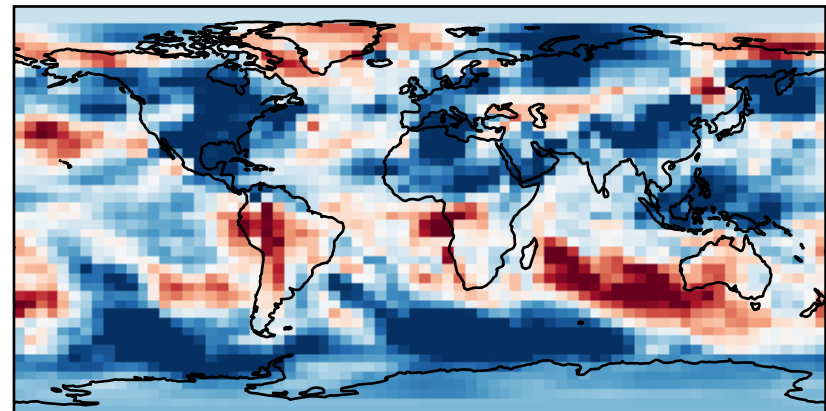
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



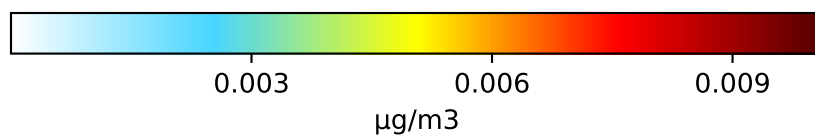
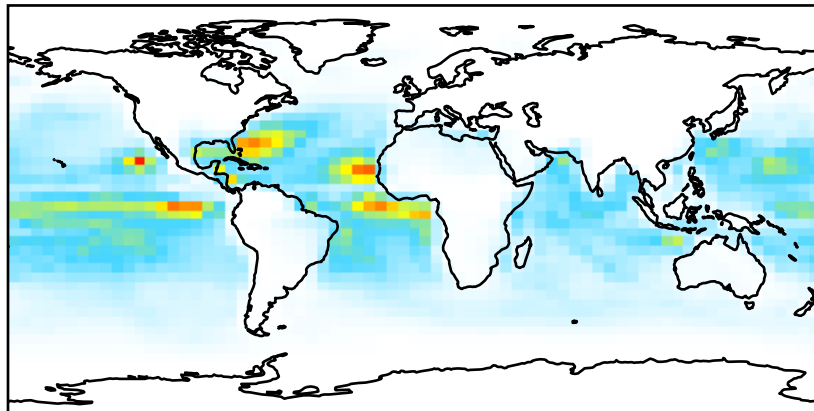
Ratio  
Dev/Ref, Fixed Range



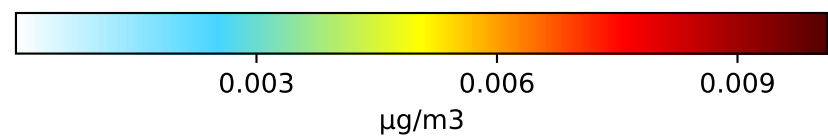
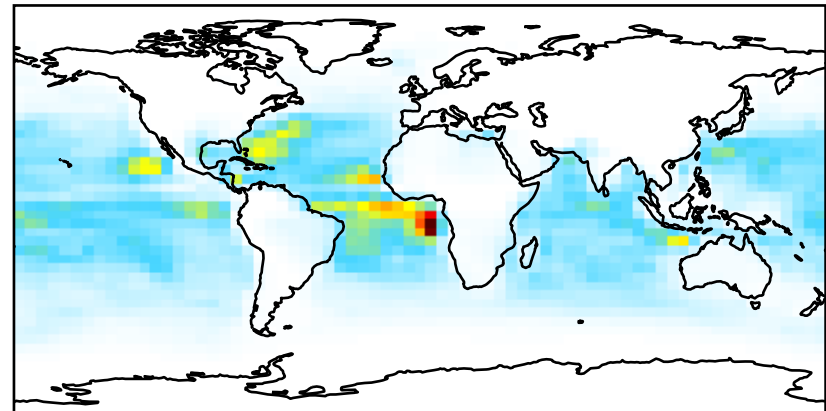


# SpeciesConc\_ISALC (Jul2019)

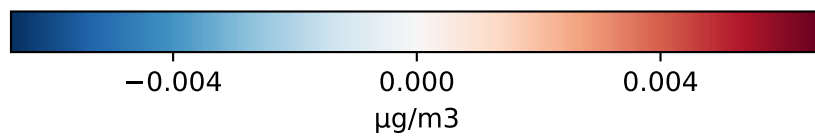
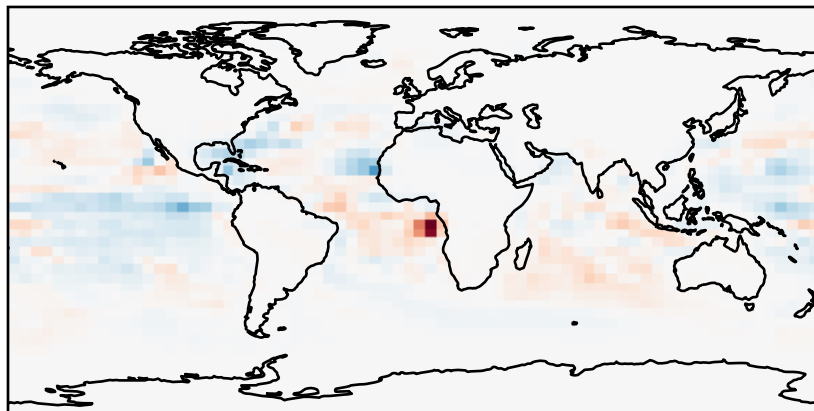
GCC\_12.9.0 (Ref)  
4.0x5.0



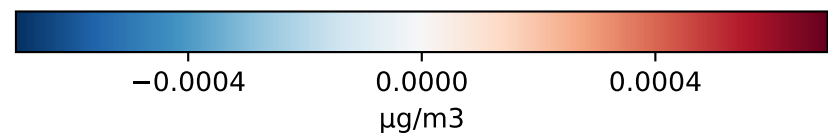
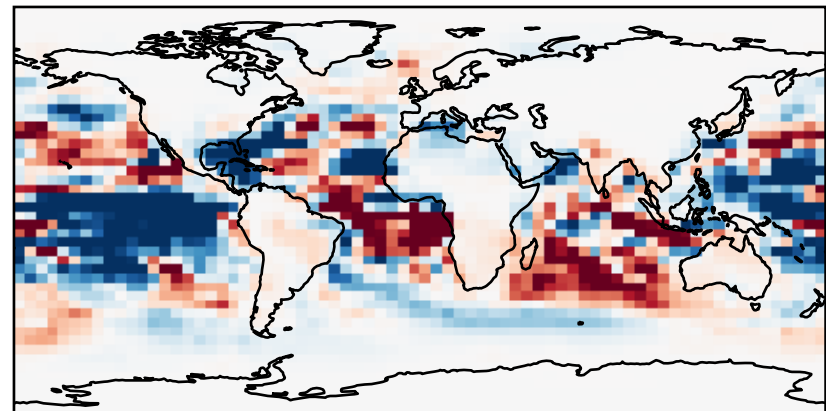
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



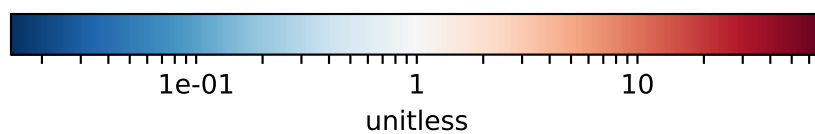
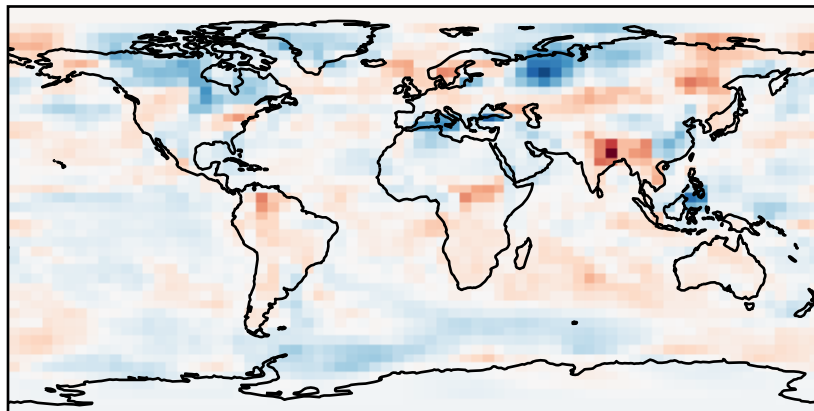
Difference  
Dev - Ref, Dynamic Range



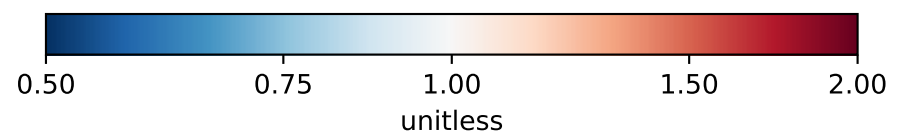
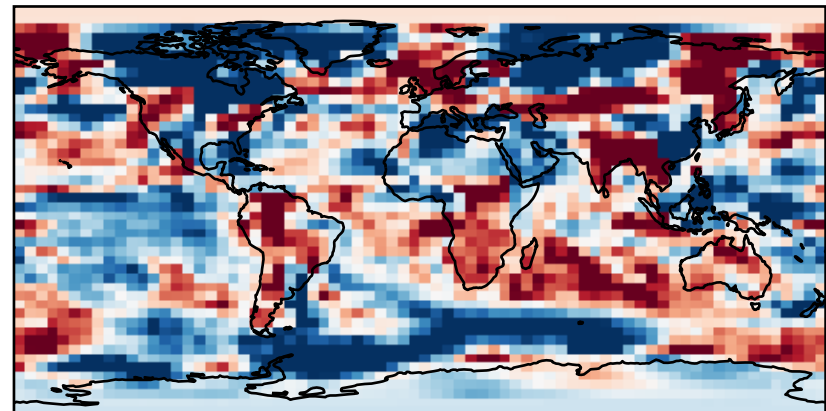
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

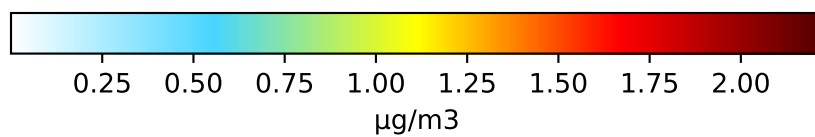
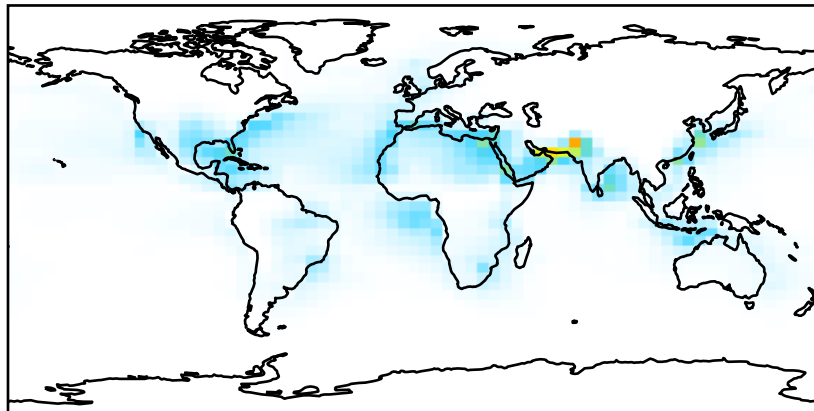


Ratio  
Dev/Ref, Fixed Range

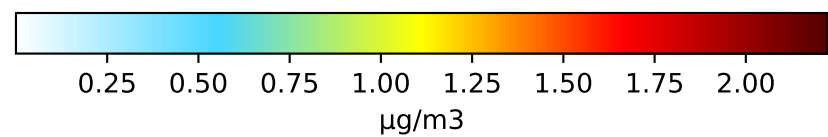
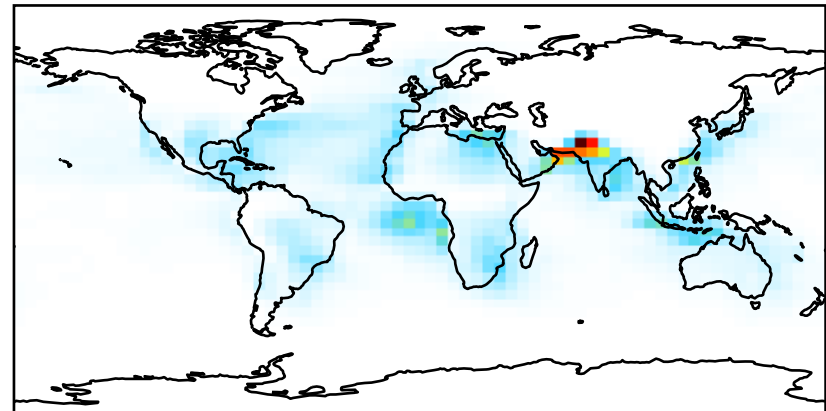


# SpeciesConc\_NITs (Jul2019)

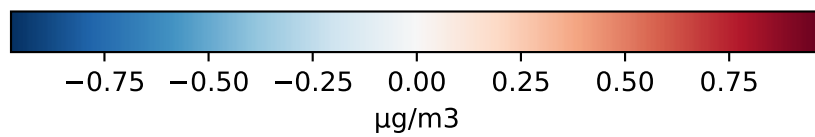
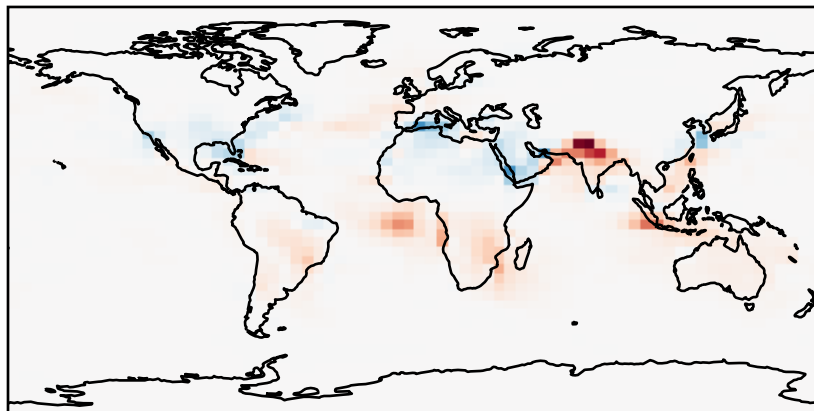
GCC\_12.9.0 (Ref)  
4.0x5.0



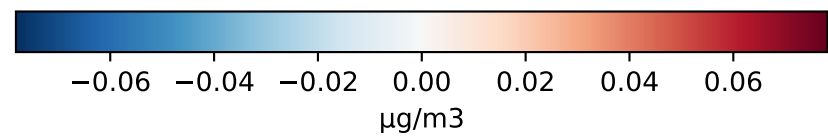
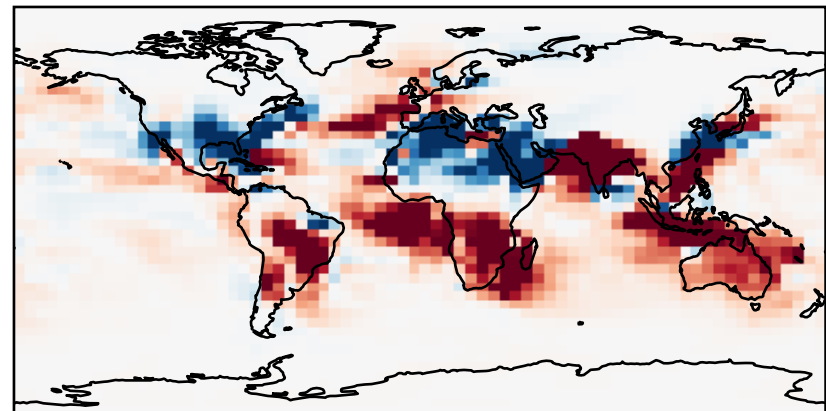
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



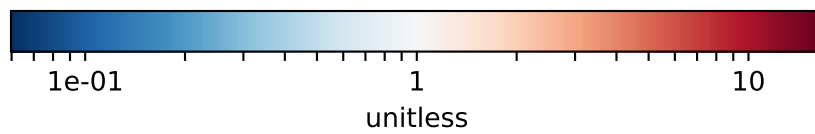
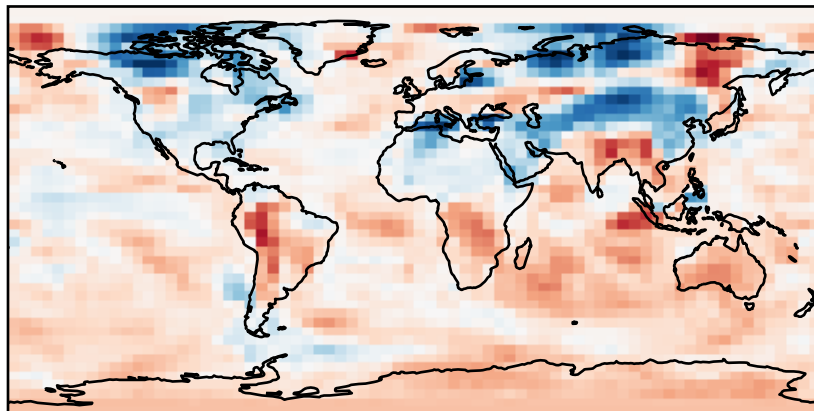
Difference  
Dev - Ref, Dynamic Range



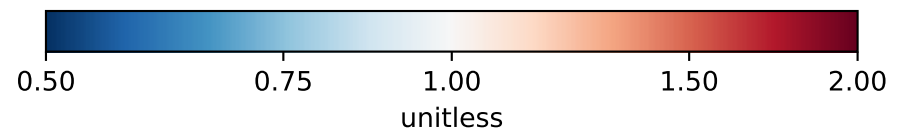
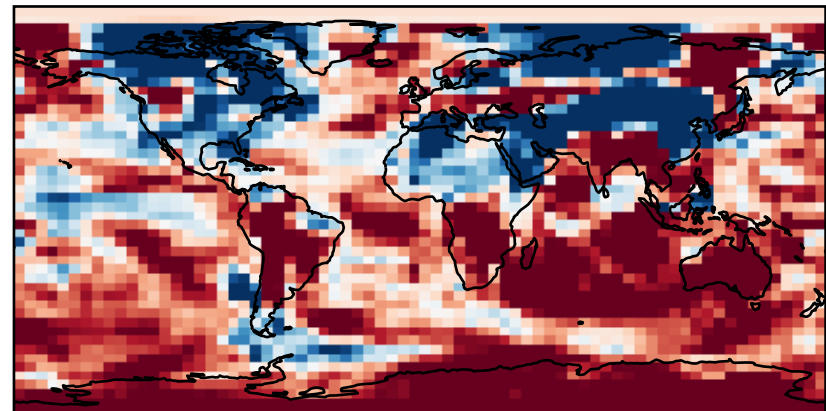
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

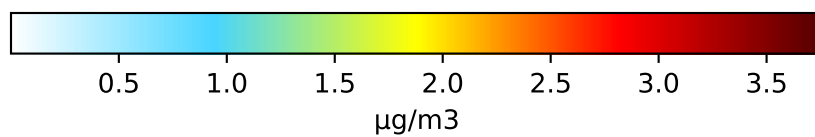
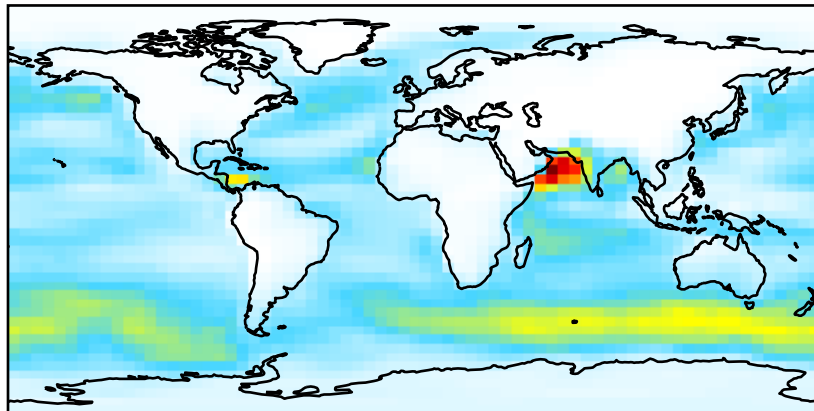


Ratio  
Dev/Ref, Fixed Range

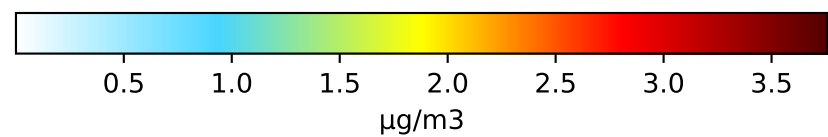
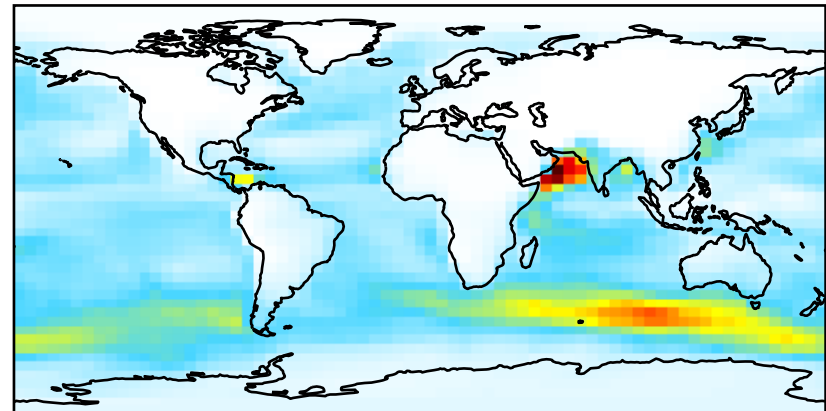


# SpeciesConc\_SALA (Jul2019)

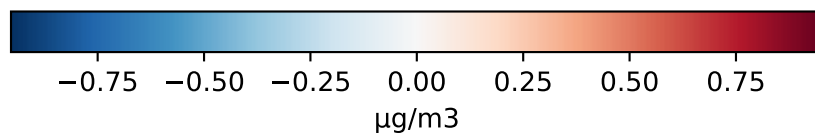
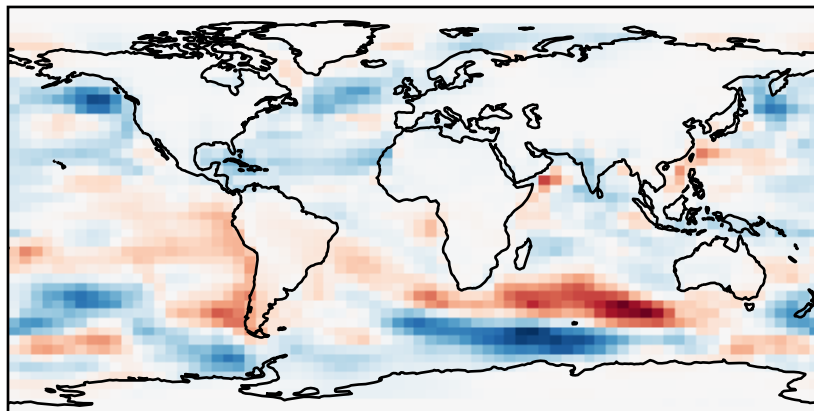
GCC\_12.9.0 (Ref)  
4.0x5.0



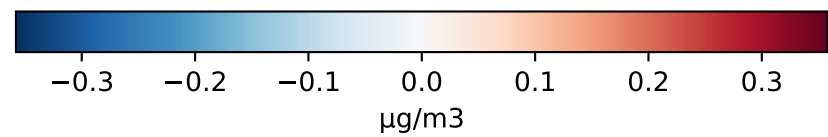
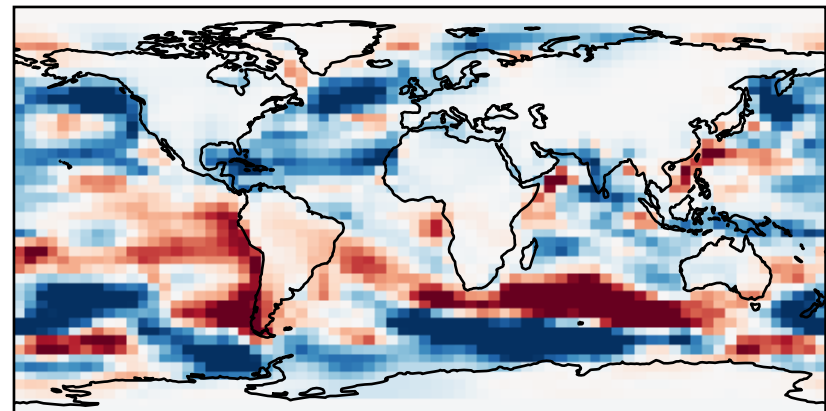
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



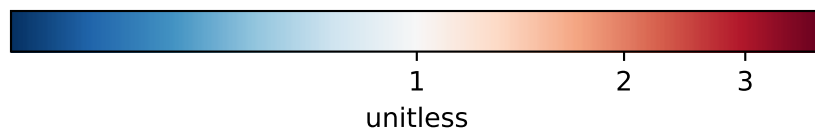
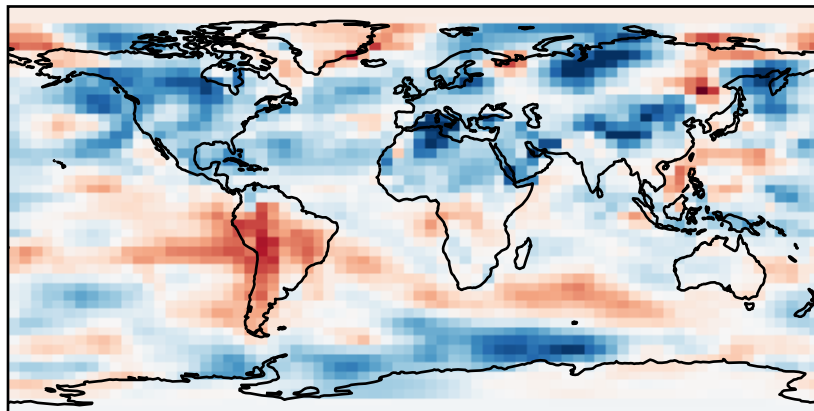
Difference  
Dev - Ref, Dynamic Range



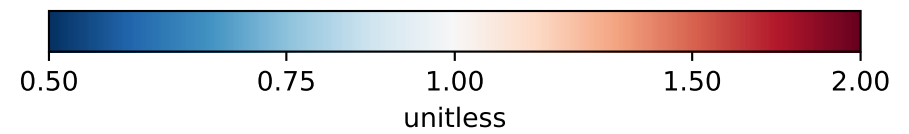
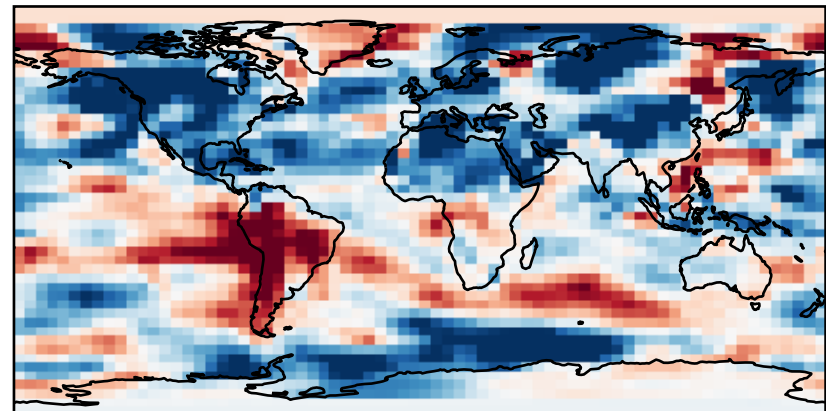
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

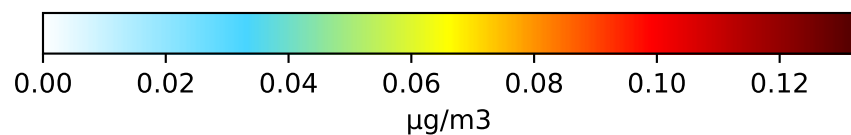
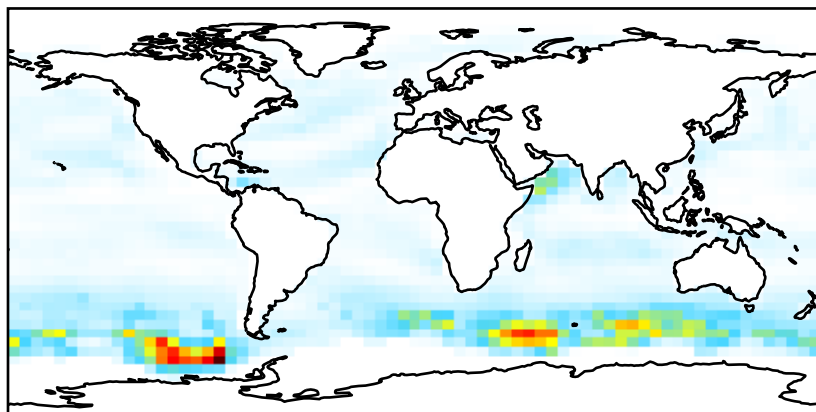


Ratio  
Dev/Ref, Fixed Range

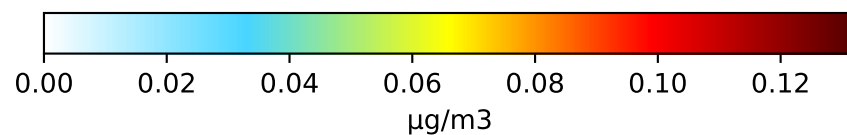
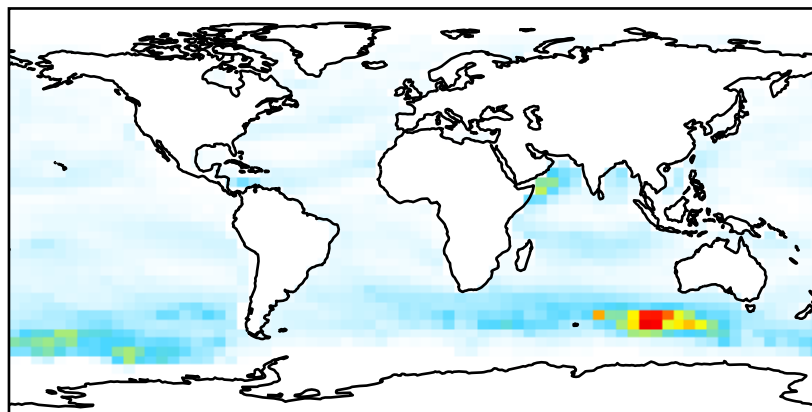


# SpeciesConc\_SALAAL (Jul2019)

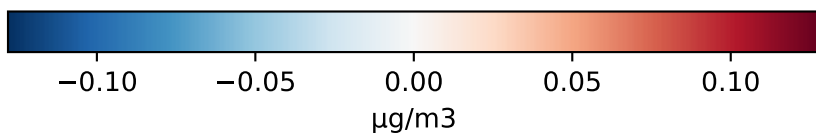
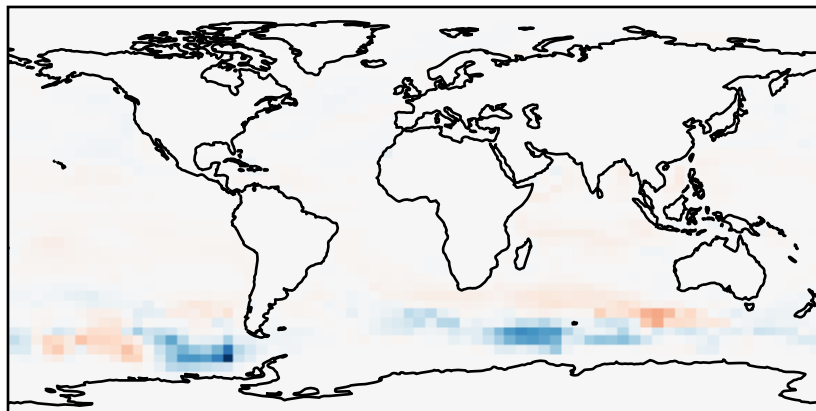
GCC\_12.9.0 (Ref)  
4.0x5.0



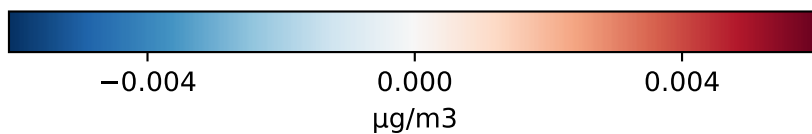
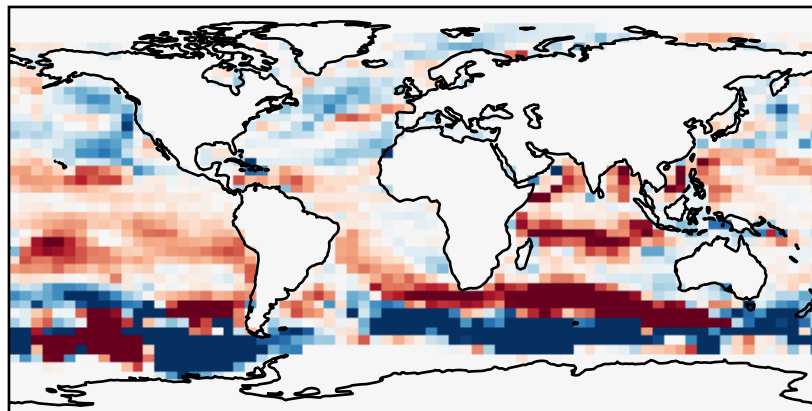
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



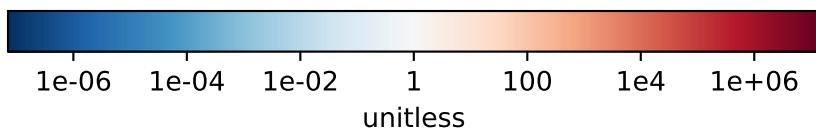
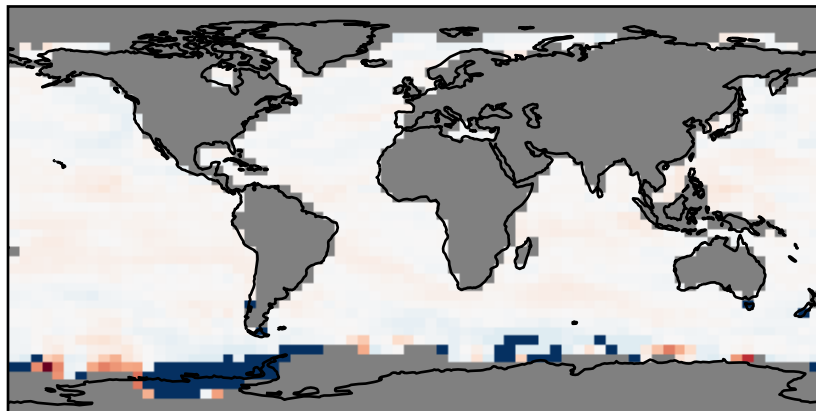
Difference  
Dev - Ref, Dynamic Range



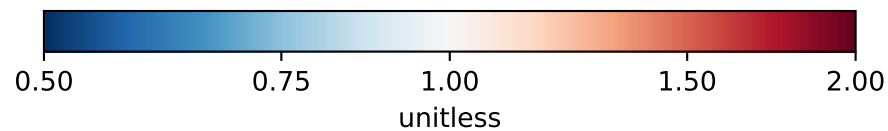
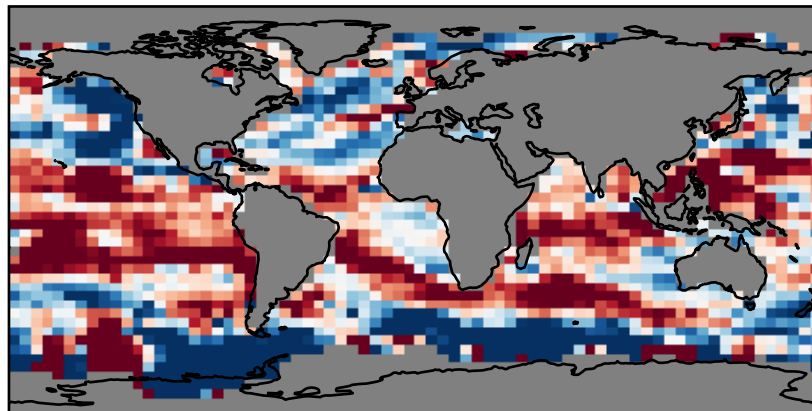
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



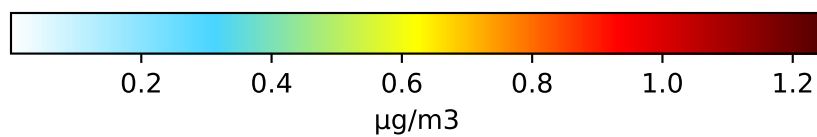
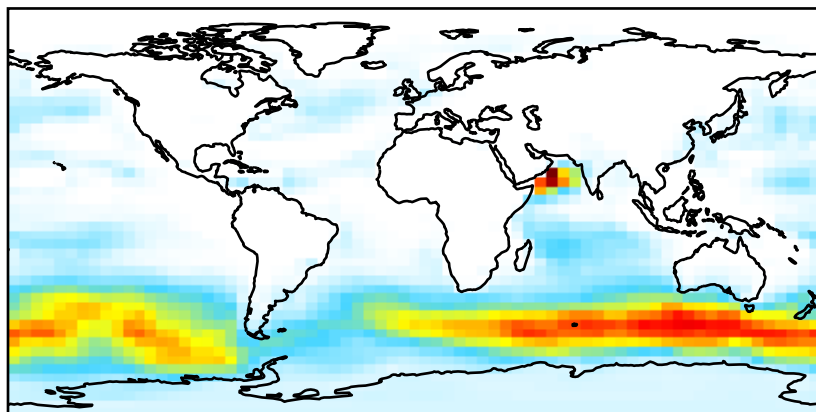
Ratio  
Dev/Ref, Fixed Range



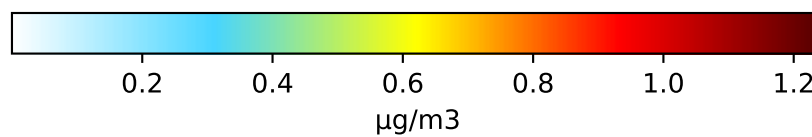
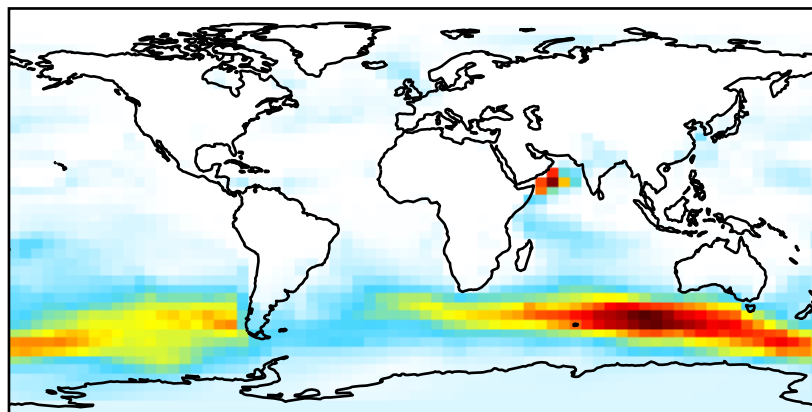


# SpeciesConc\_SALACL (Jul2019)

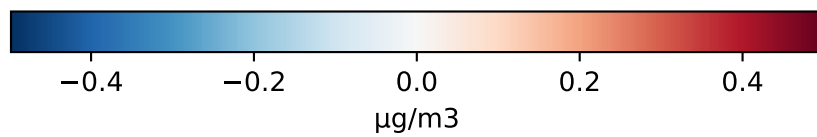
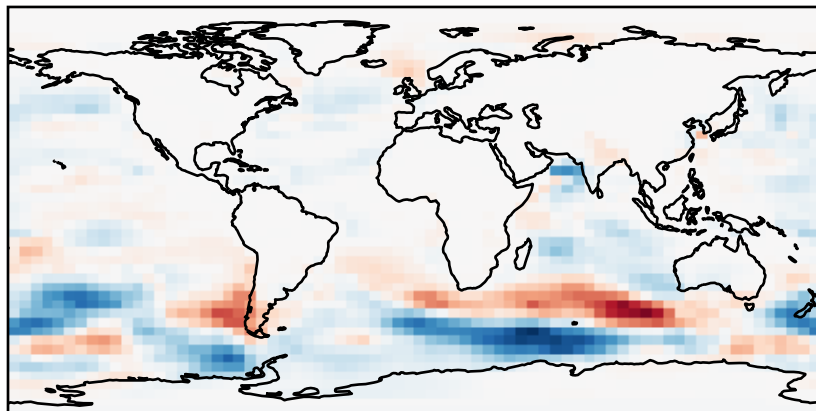
GCC\_12.9.0 (Ref)  
4.0x5.0



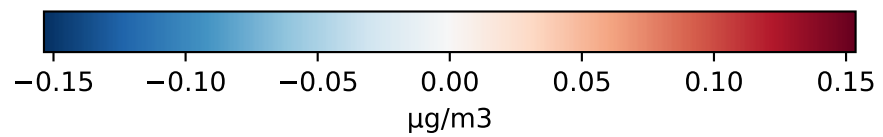
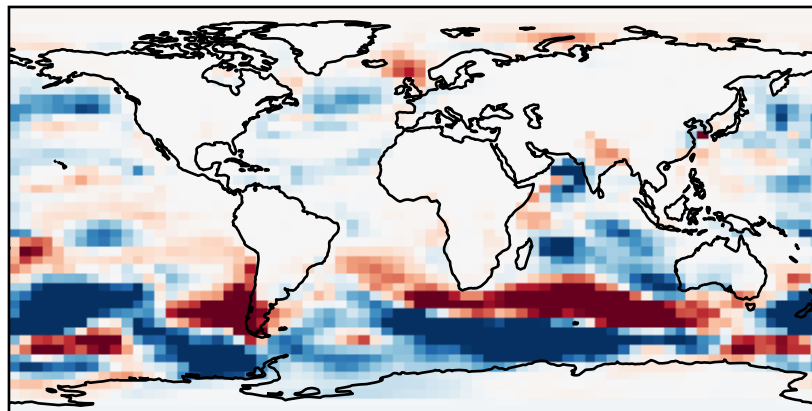
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



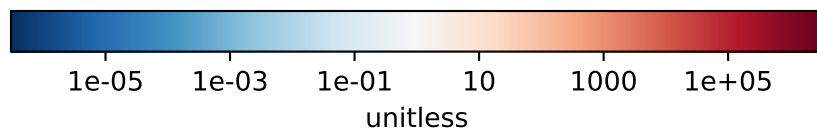
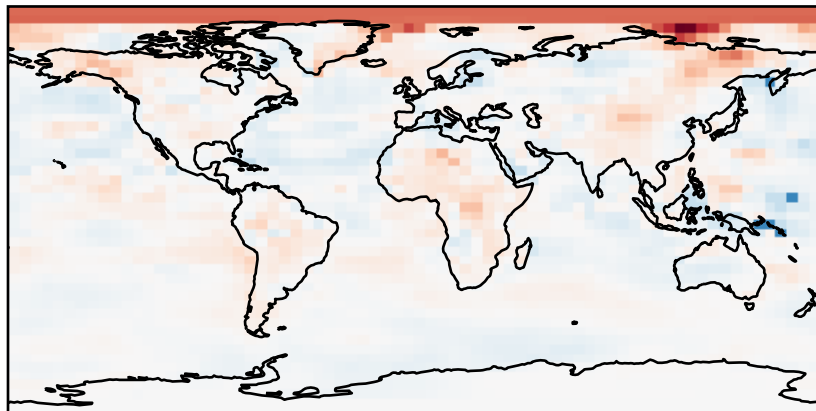
Difference  
Dev - Ref, Dynamic Range



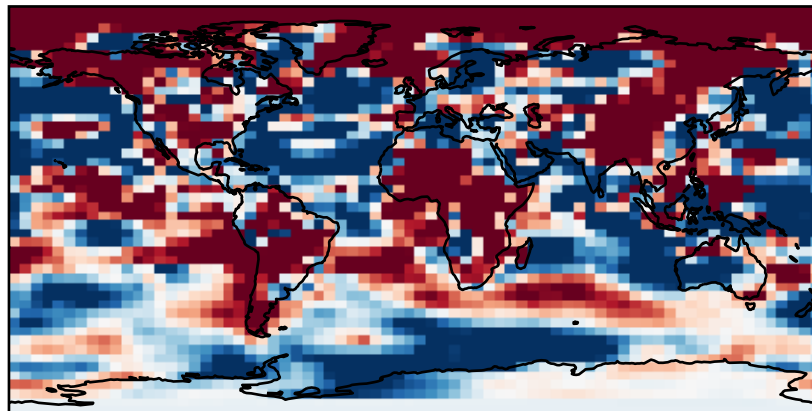
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

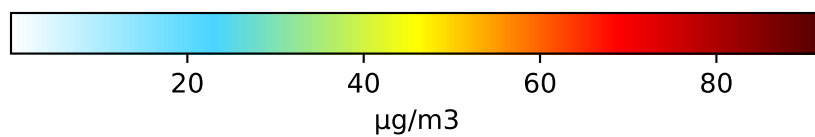
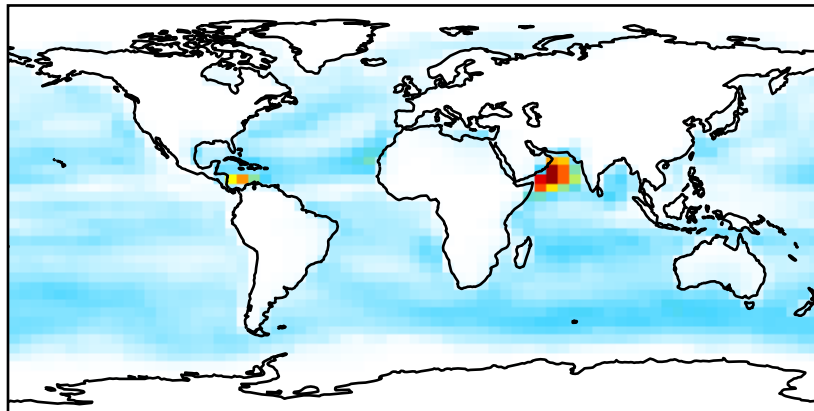


Ratio  
Dev/Ref, Fixed Range

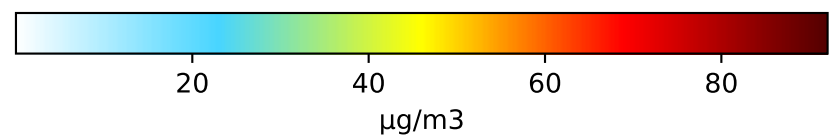
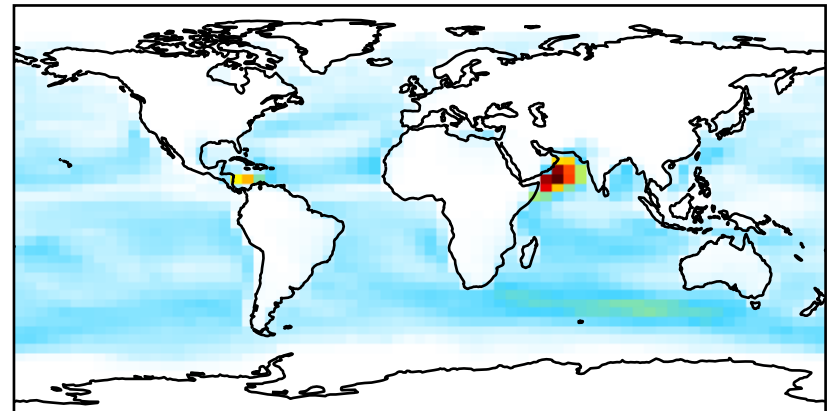


# SpeciesConc\_SALC (Jul2019)

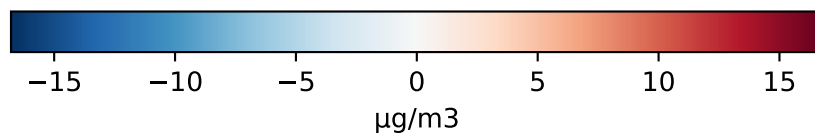
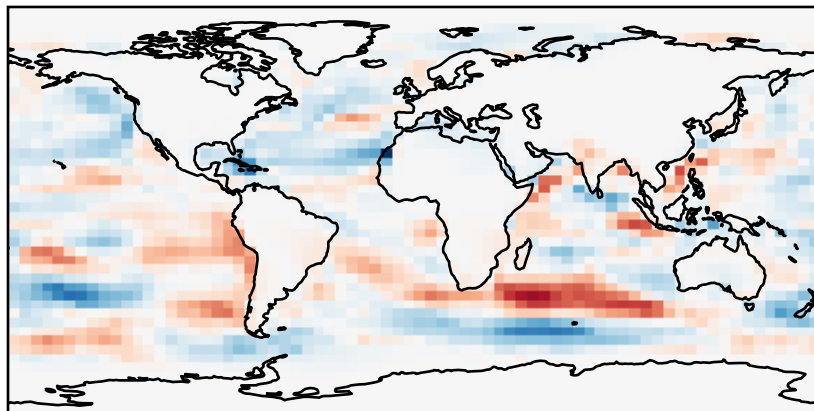
GCC\_12.9.0 (Ref)  
4.0x5.0



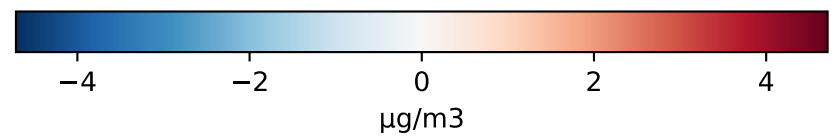
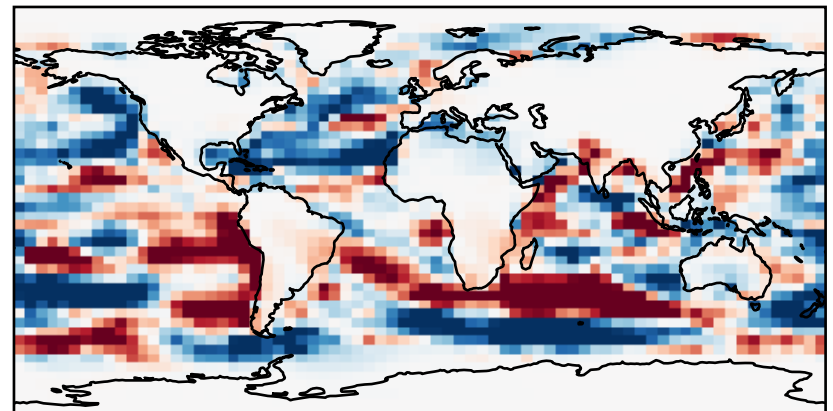
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



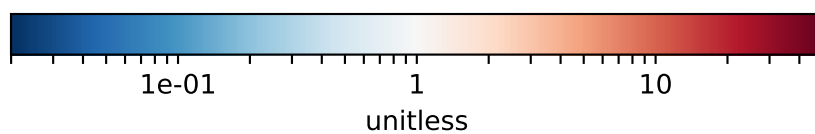
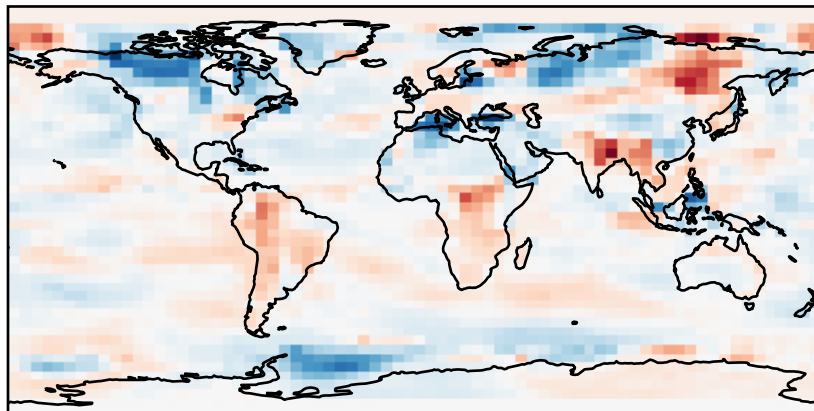
Difference  
Dev - Ref, Dynamic Range



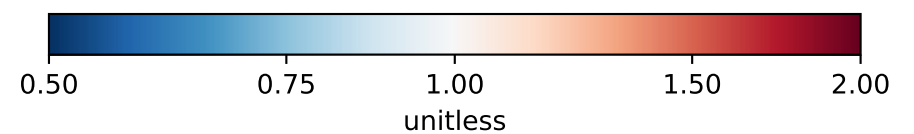
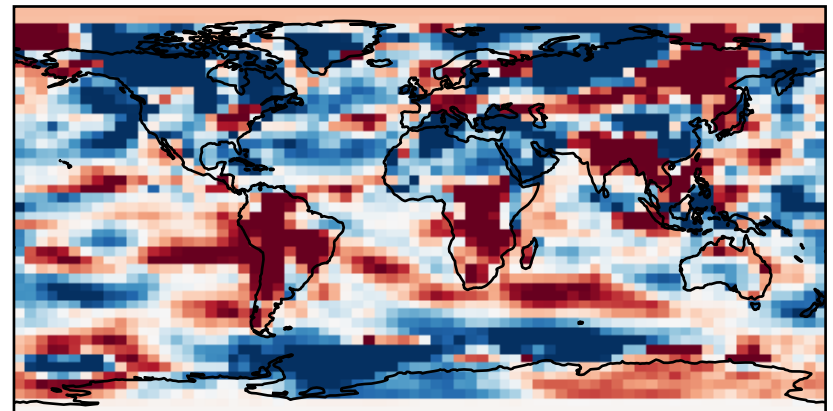
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

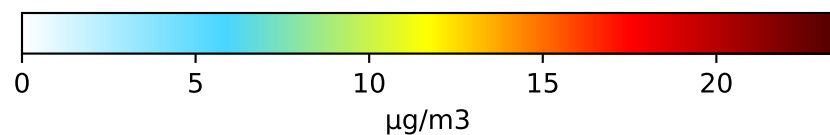
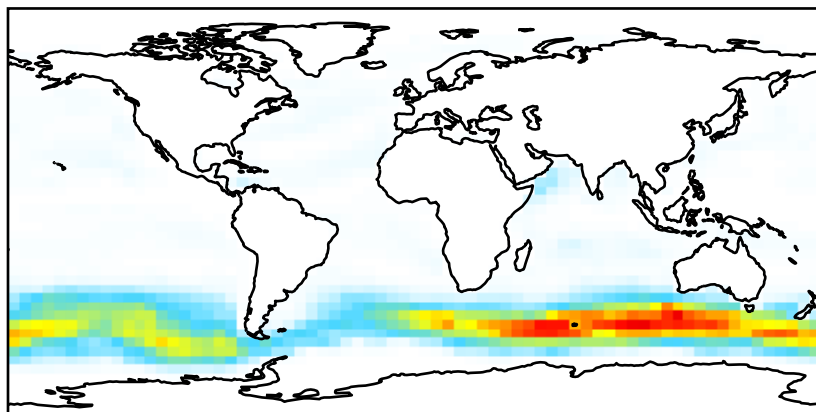


Ratio  
Dev/Ref, Fixed Range

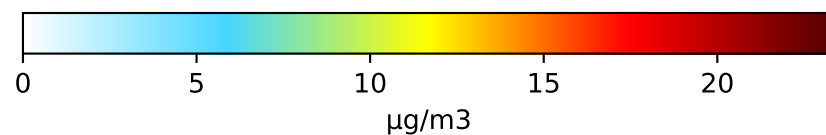
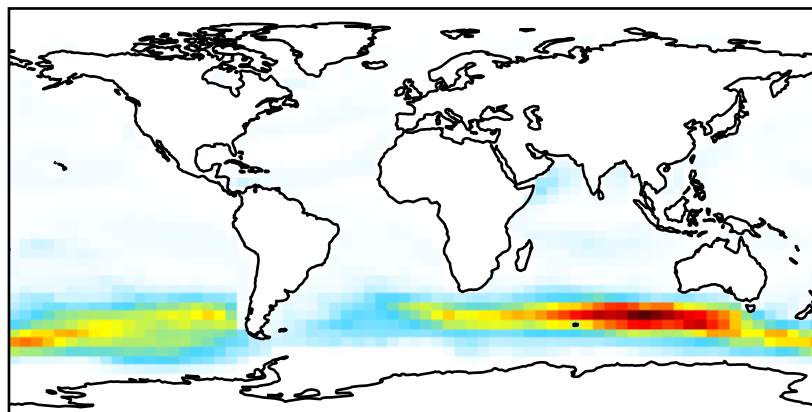


# SpeciesConc\_SALCAL (Jul2019)

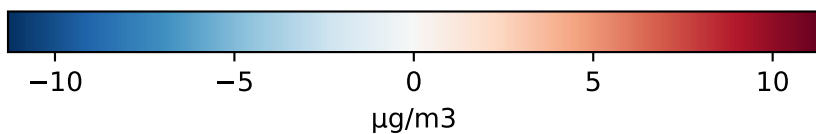
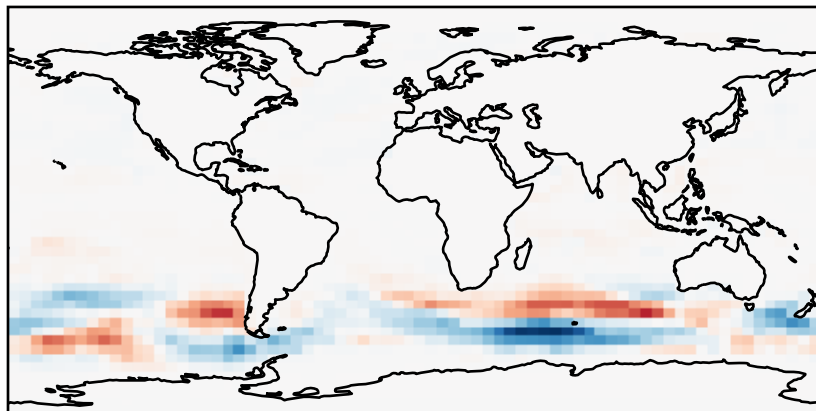
GCC\_12.9.0 (Ref)  
4.0x5.0



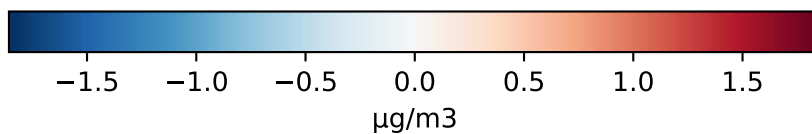
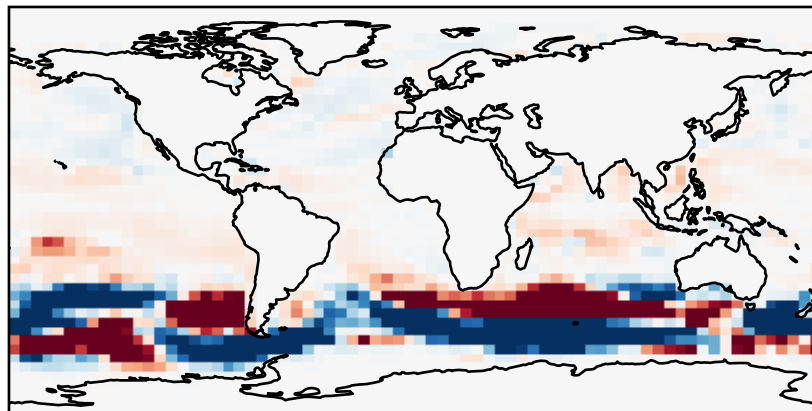
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



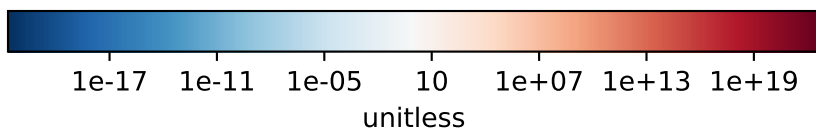
Difference  
Dev - Ref, Dynamic Range



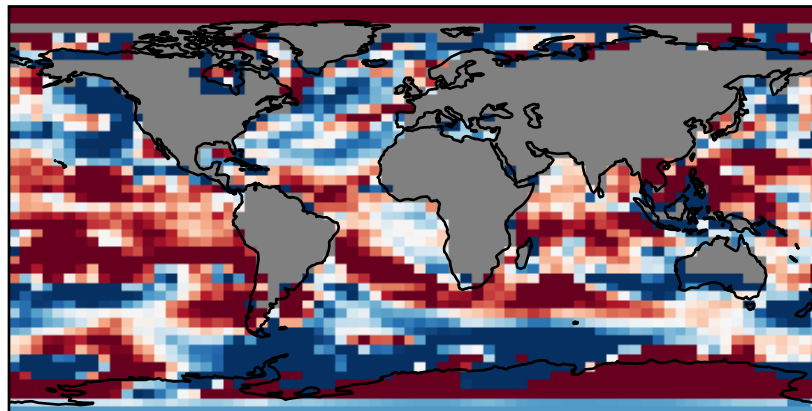
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

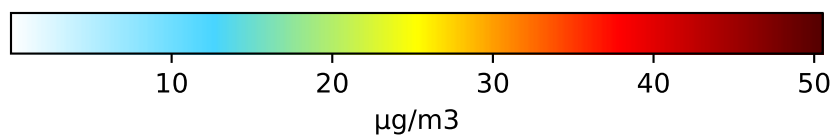
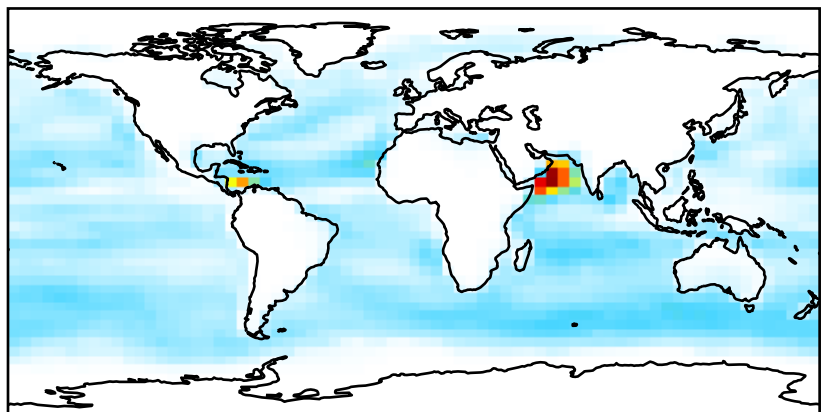


Ratio  
Dev/Ref, Fixed Range

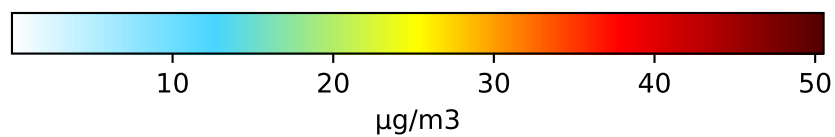
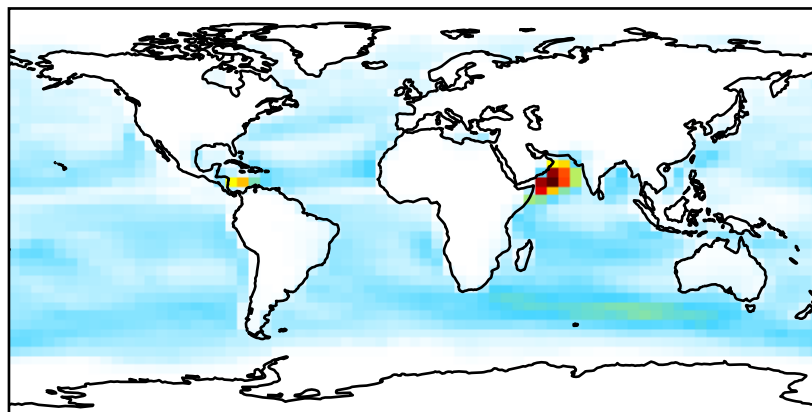


# SpeciesConc\_SALCCL (Jul2019)

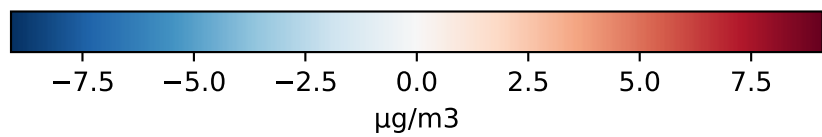
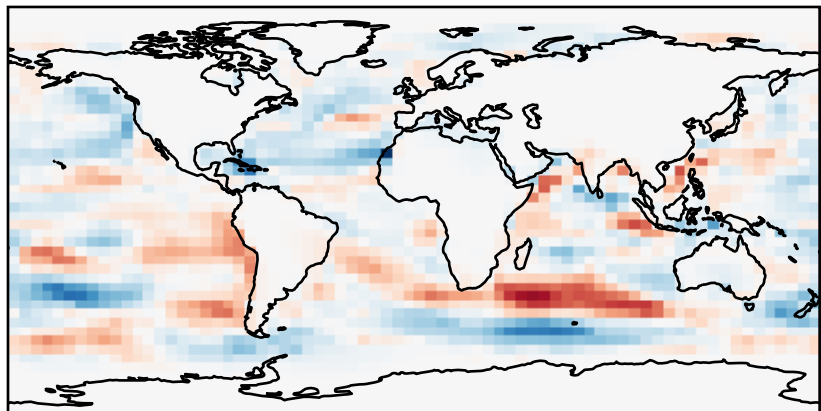
GCC\_12.9.0 (Ref)  
4.0x5.0



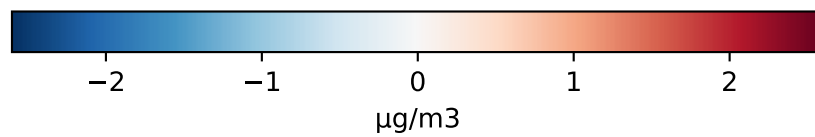
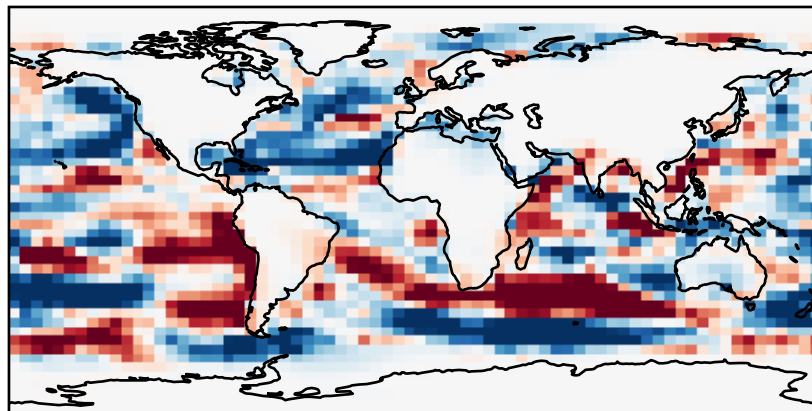
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



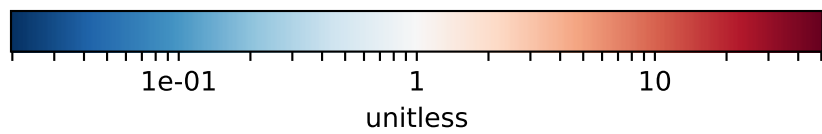
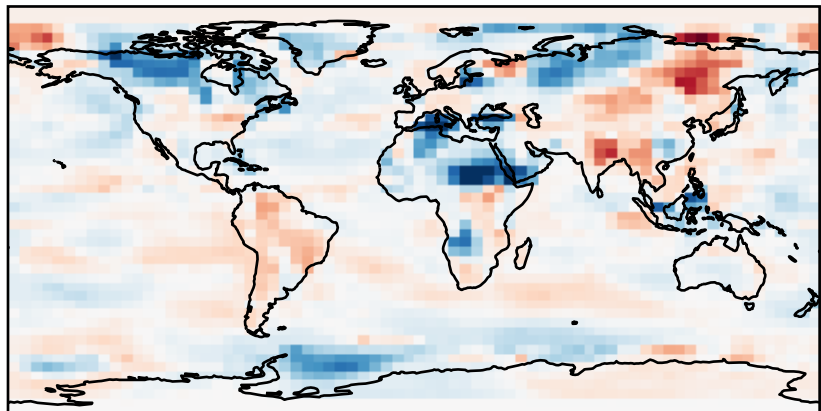
Difference  
Dev - Ref, Dynamic Range



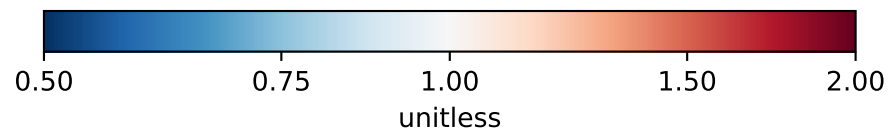
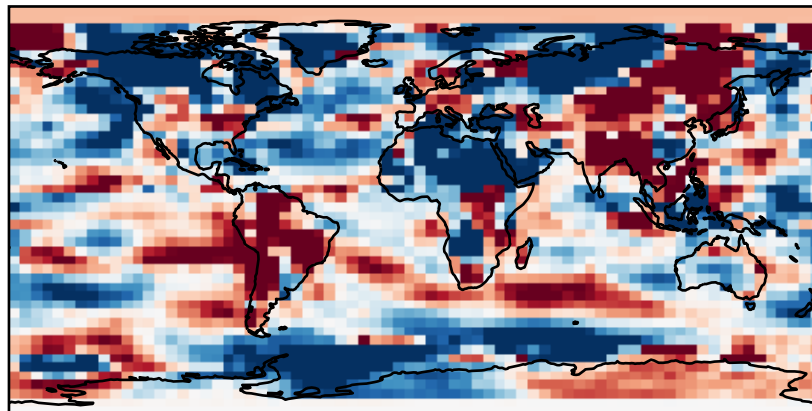
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



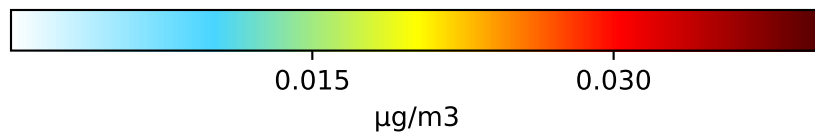
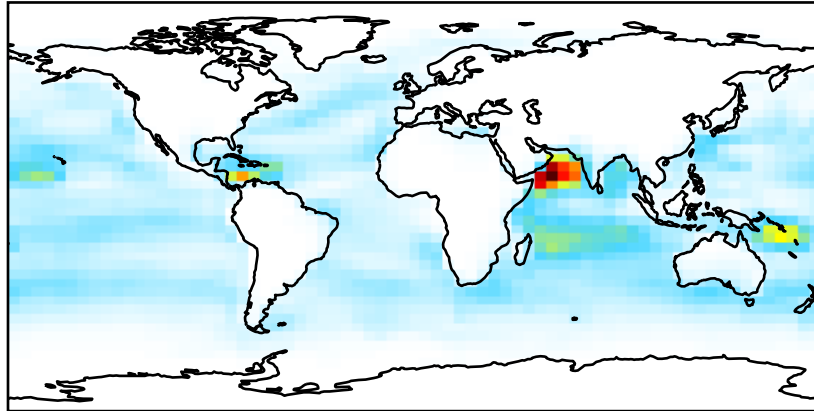
Ratio  
Dev/Ref, Fixed Range



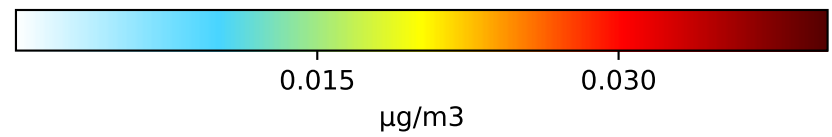
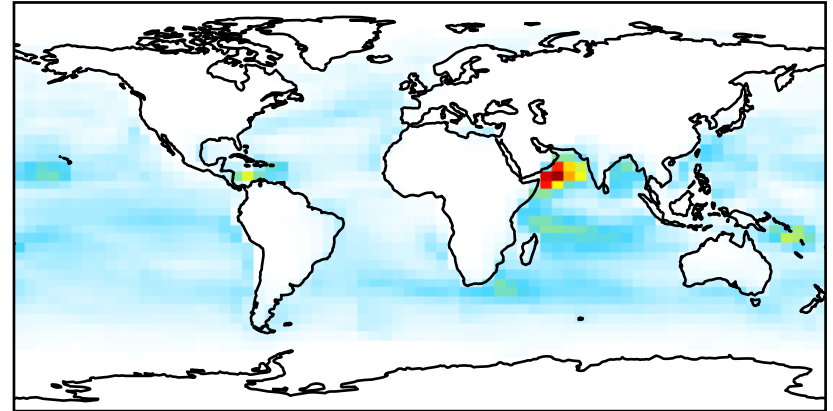


# SpeciesConc\_SO4s (Jul2019)

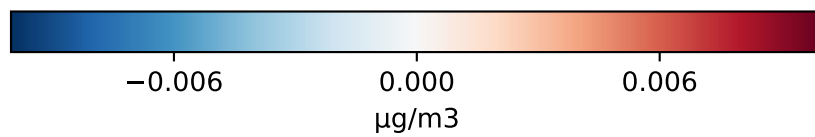
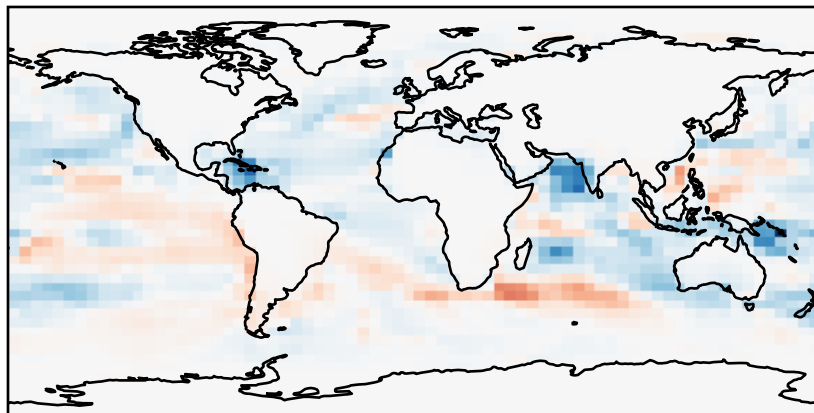
GCC\_12.9.0 (Ref)  
4.0x5.0



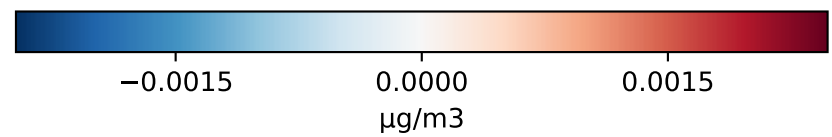
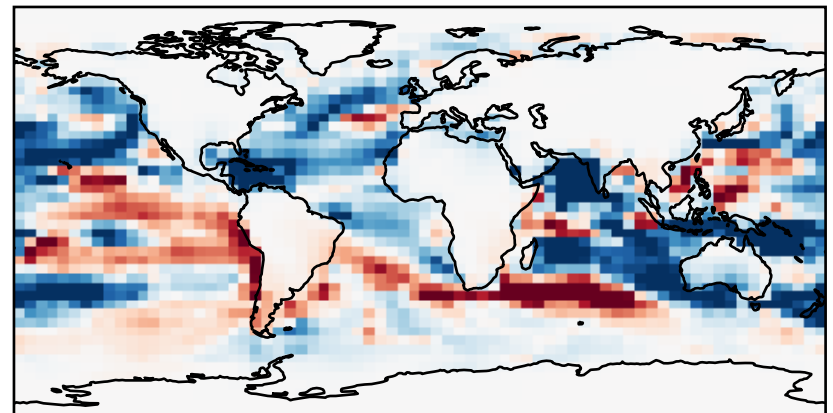
GCC\_13.0.0-beta.1 (Dev)  
4.0x5.0



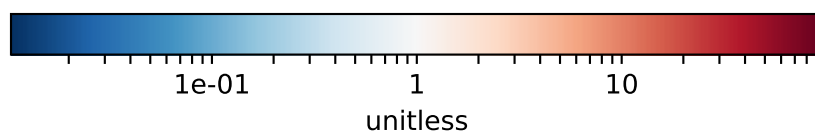
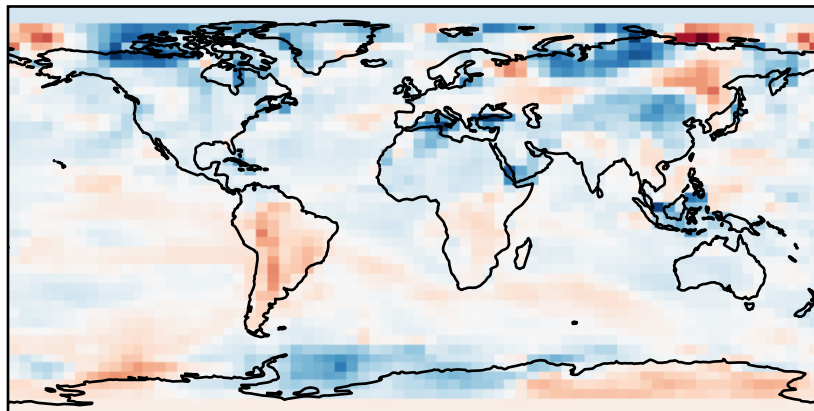
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

