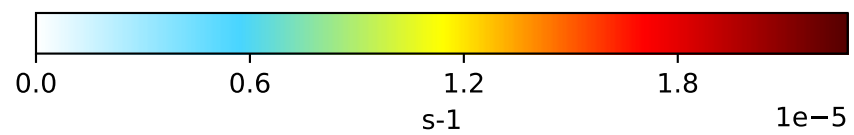
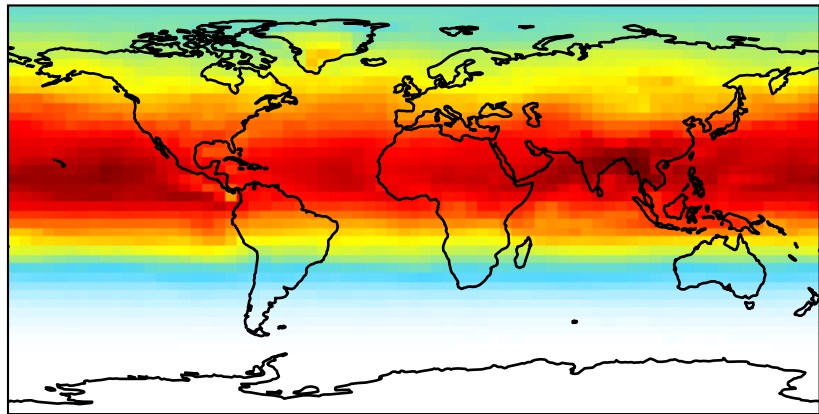
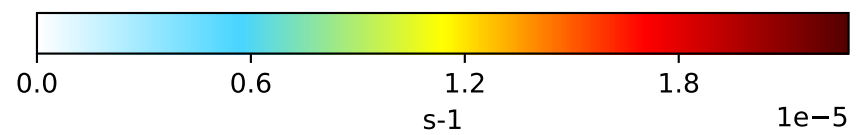
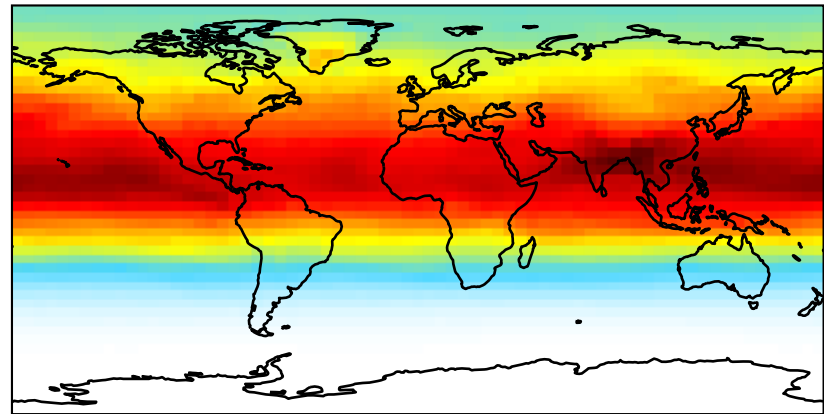


# Jval0301D

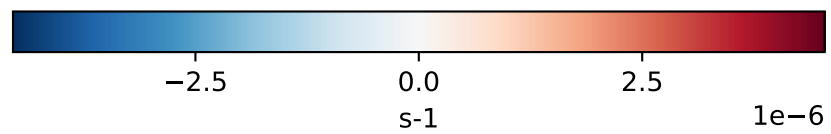
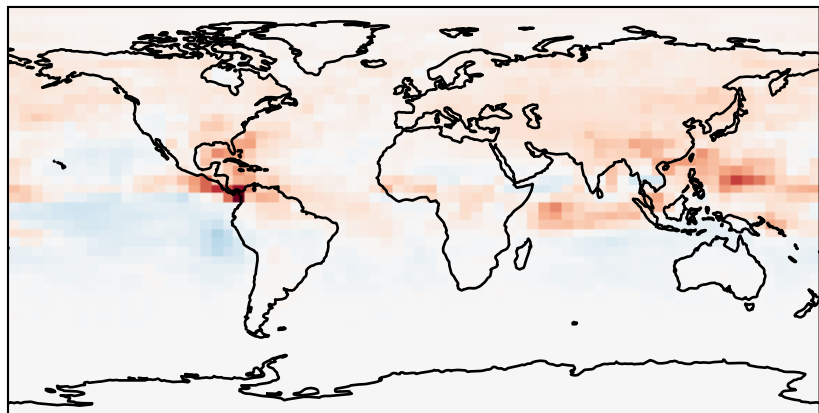
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



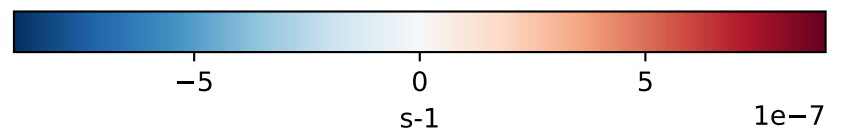
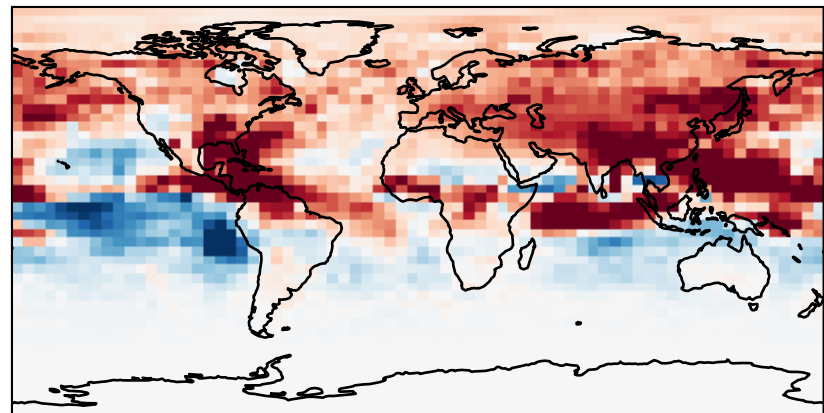
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



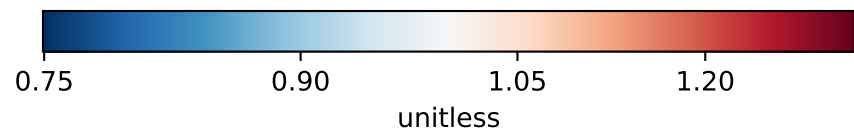
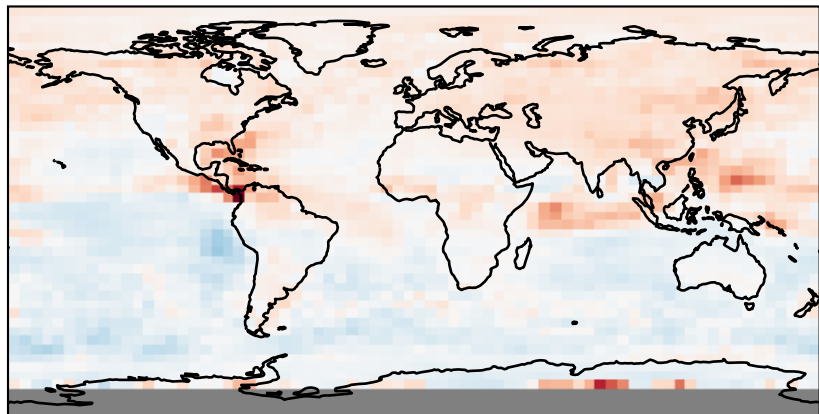
Difference  
Dev - Ref, Dynamic Range



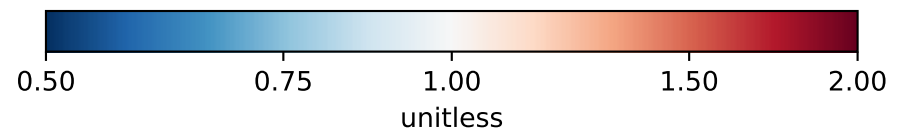
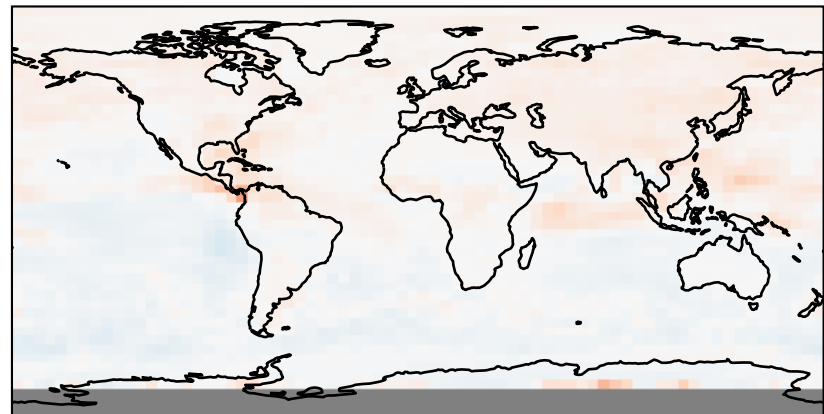
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

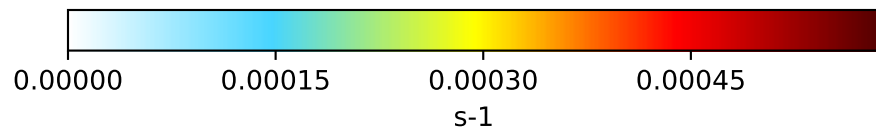
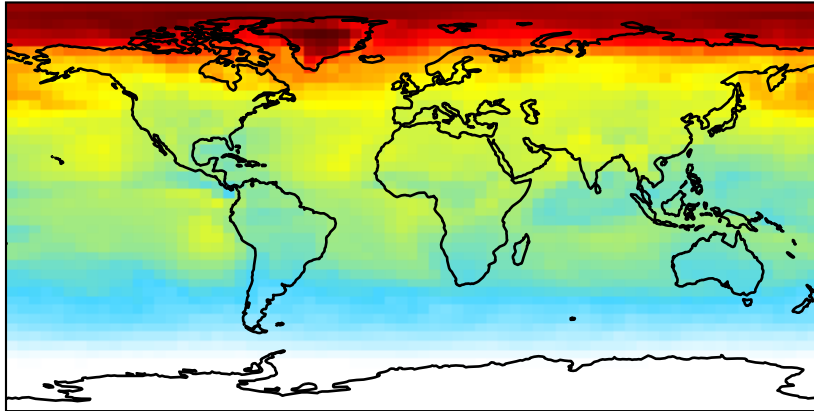


Ratio  
Dev/Ref, Fixed Range

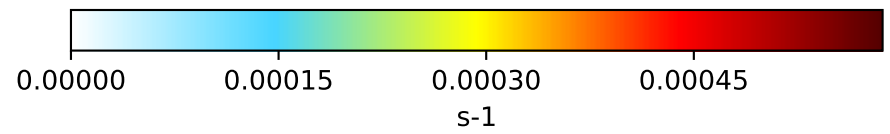
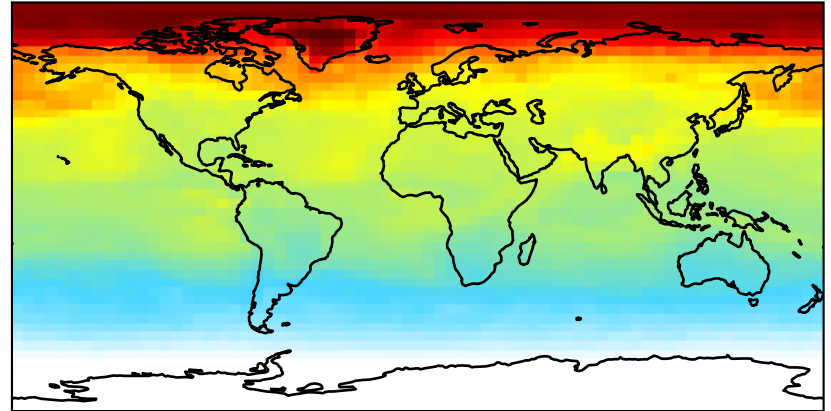


# Jval0303P

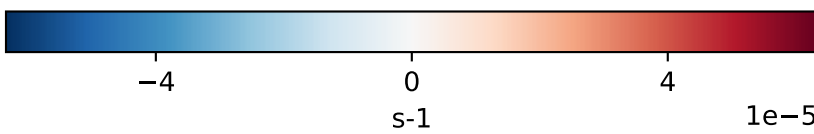
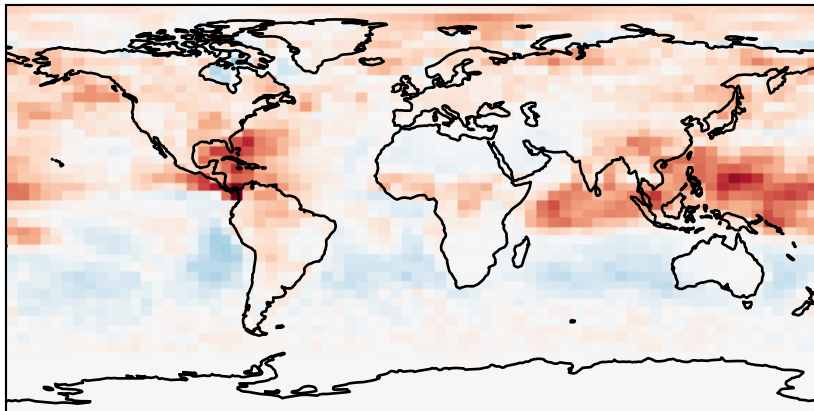
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



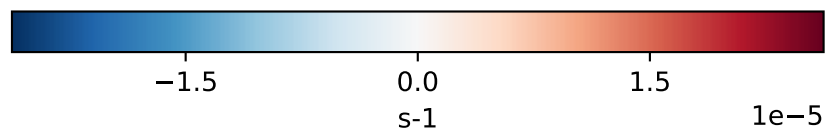
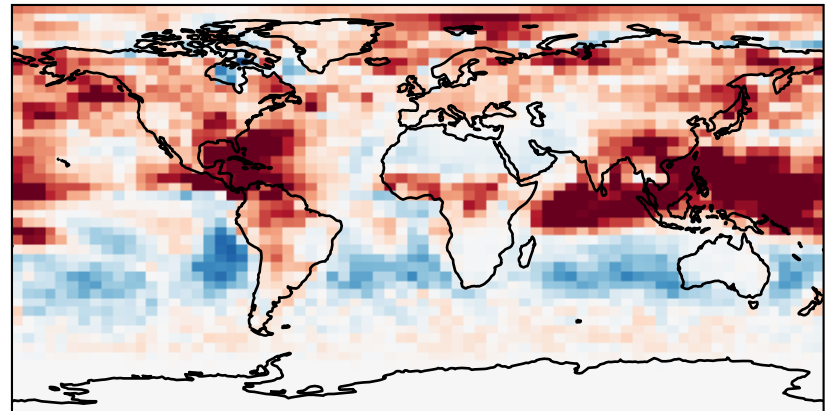
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



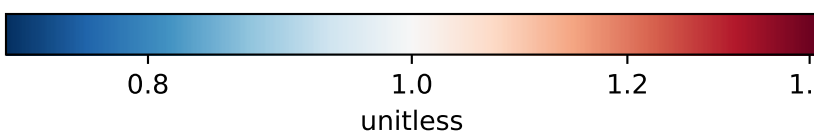
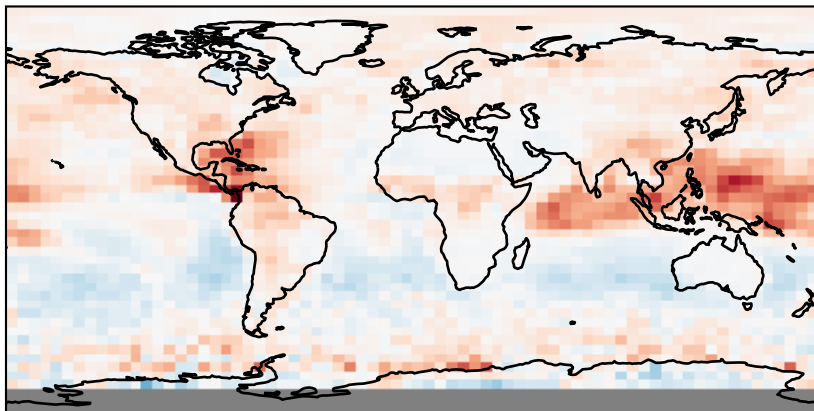
Difference  
Dev - Ref, Dynamic Range



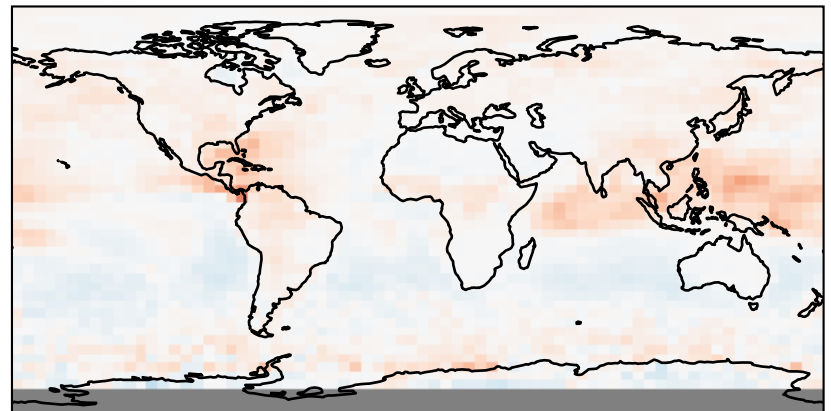
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

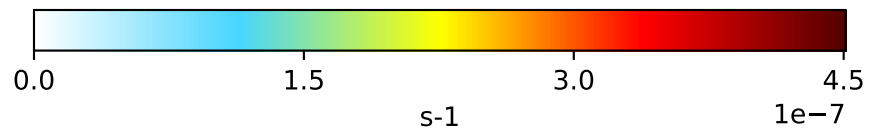
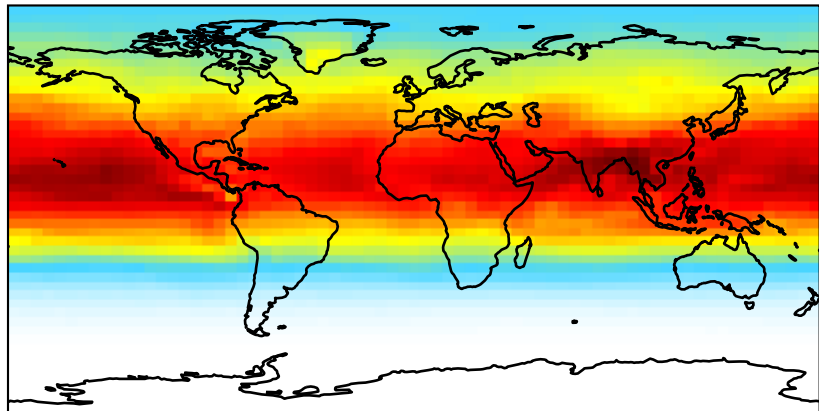


Ratio  
Dev/Ref, Fixed Range

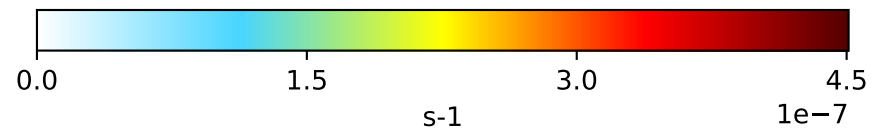
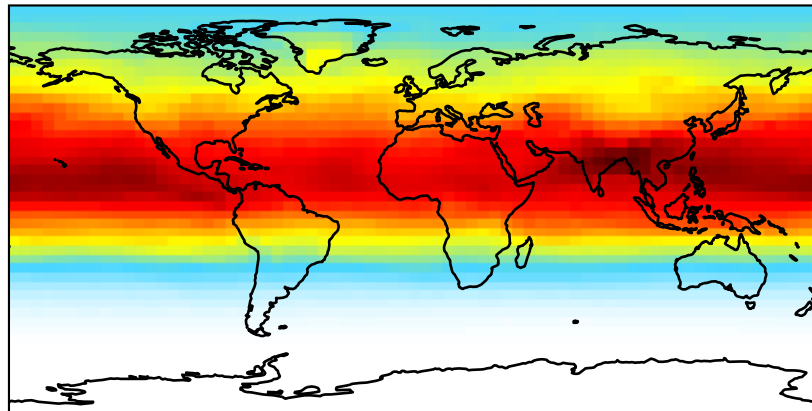


# Jval\_ACET

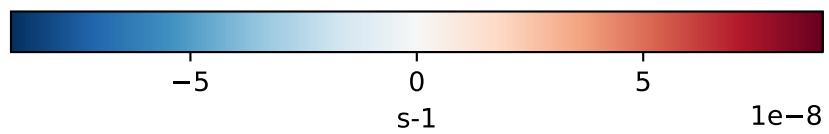
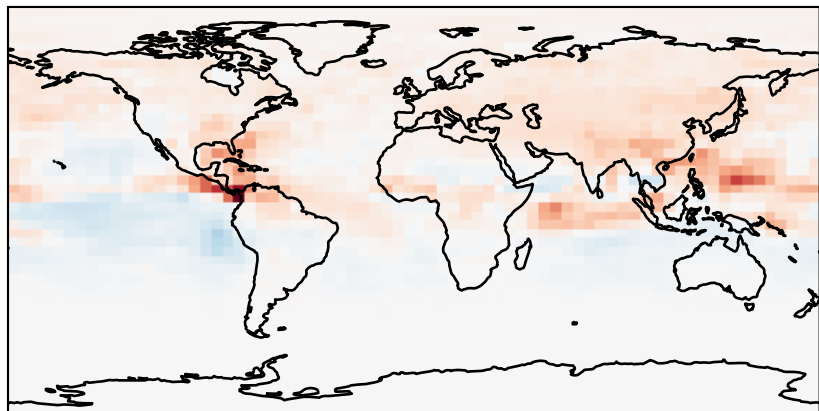
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



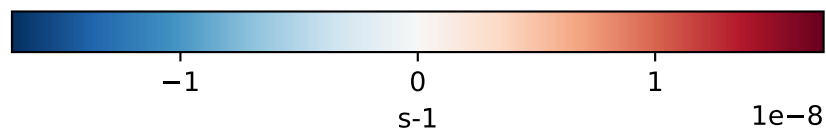
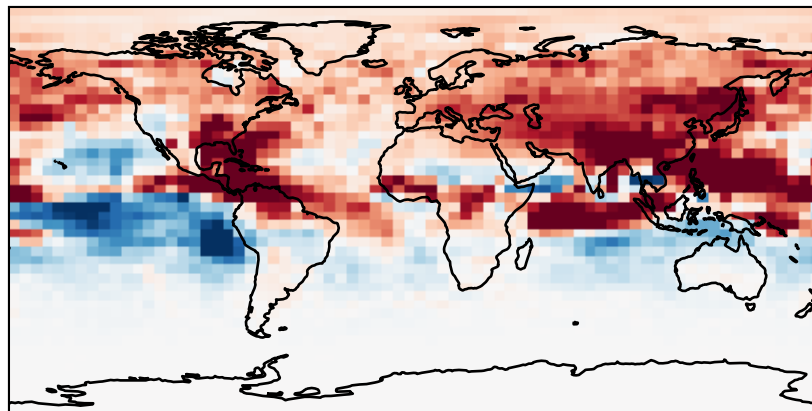
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



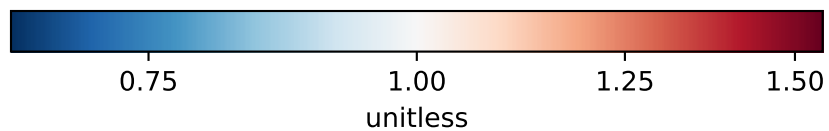
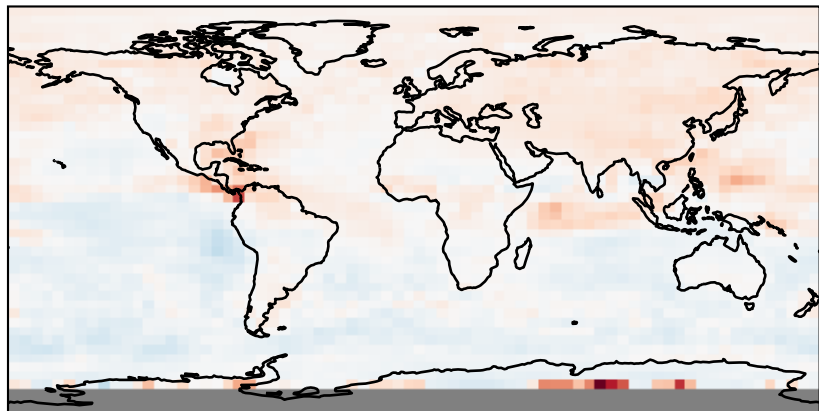
Difference  
Dev - Ref, Dynamic Range



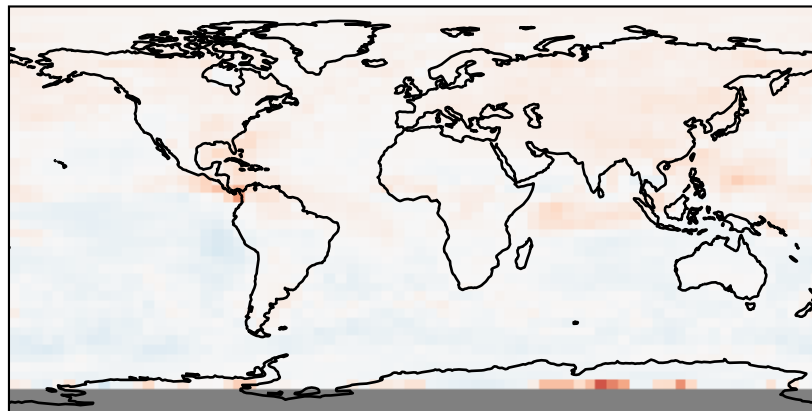
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

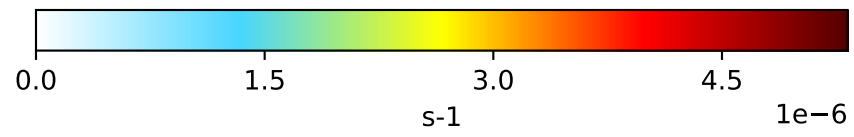
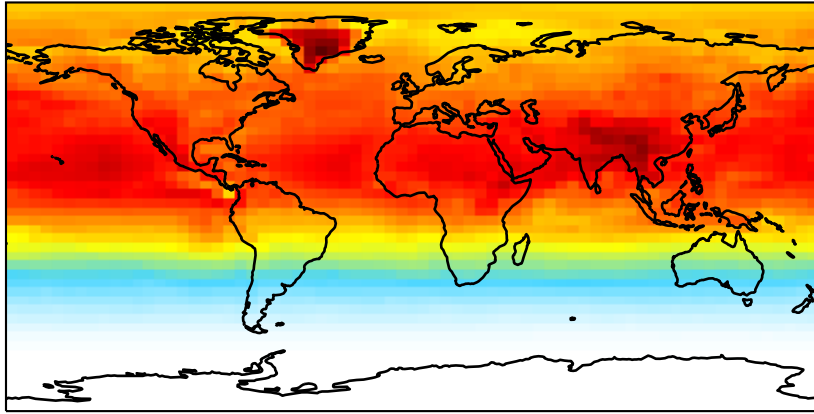


Ratio  
Dev/Ref, Fixed Range

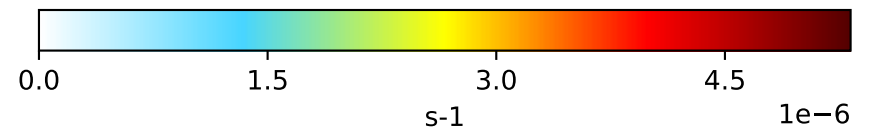
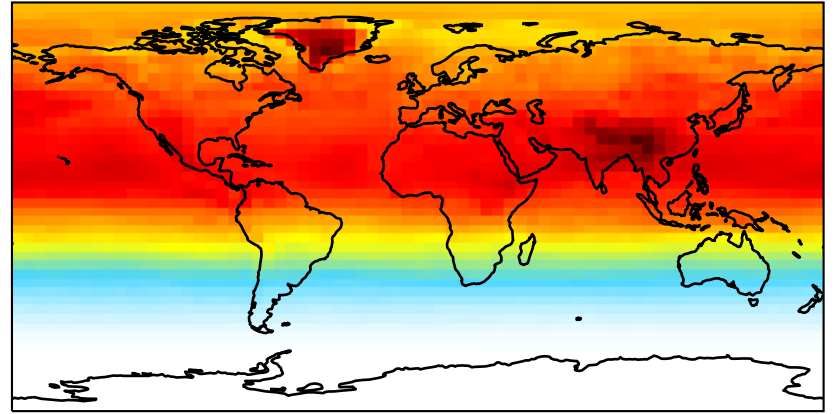


# Jval\_ALD2

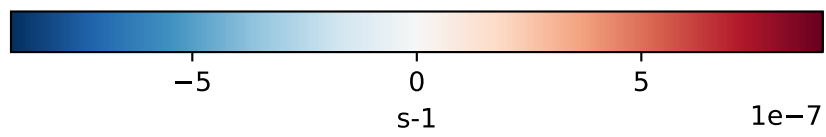
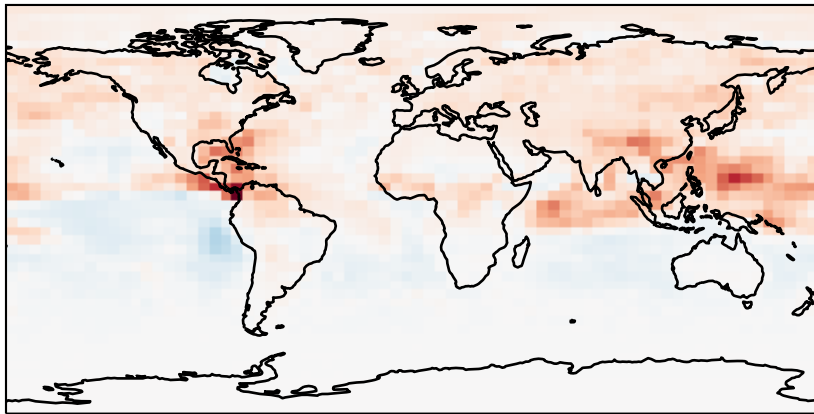
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



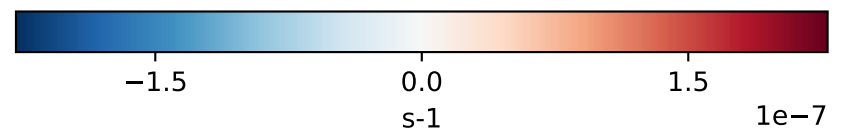
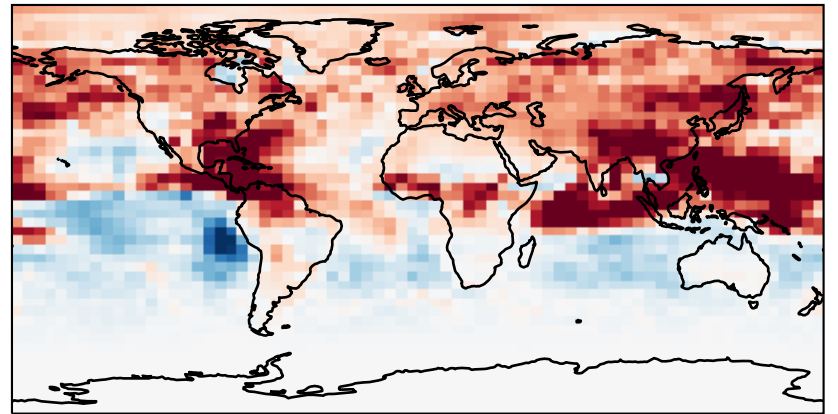
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



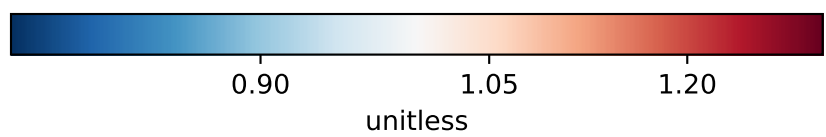
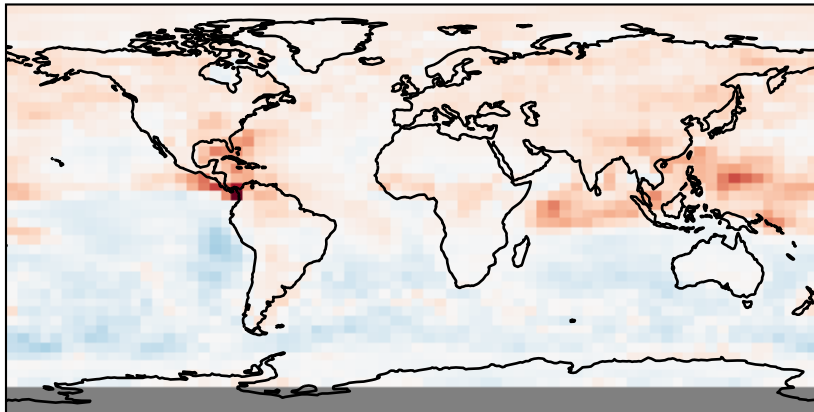
Difference  
Dev - Ref, Dynamic Range



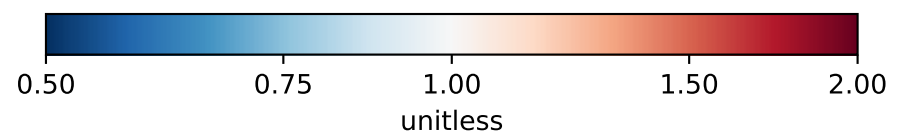
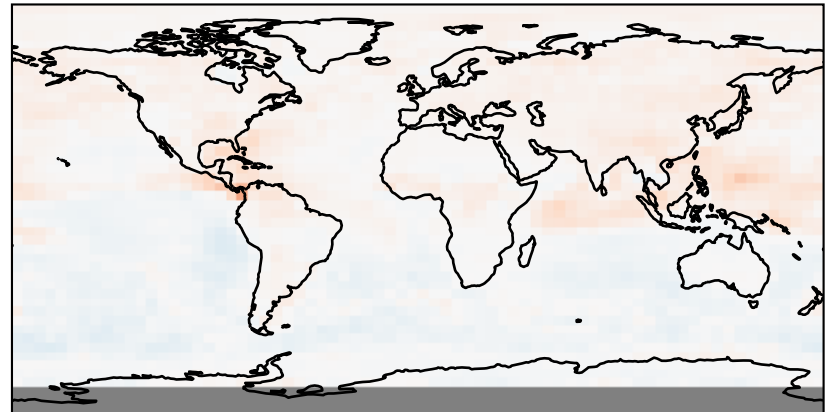
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

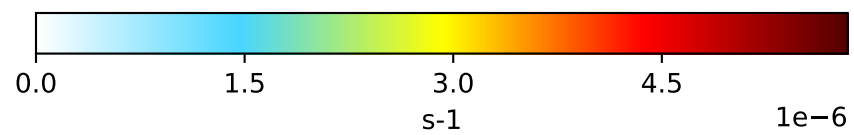
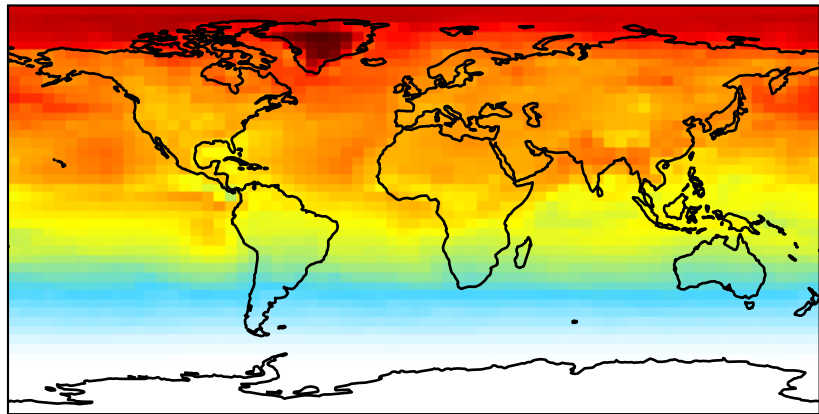


Ratio  
Dev/Ref, Fixed Range

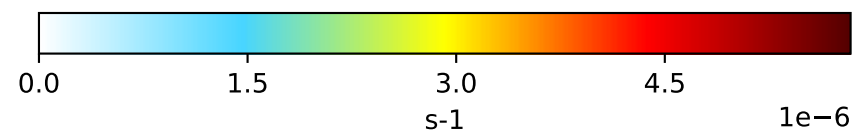
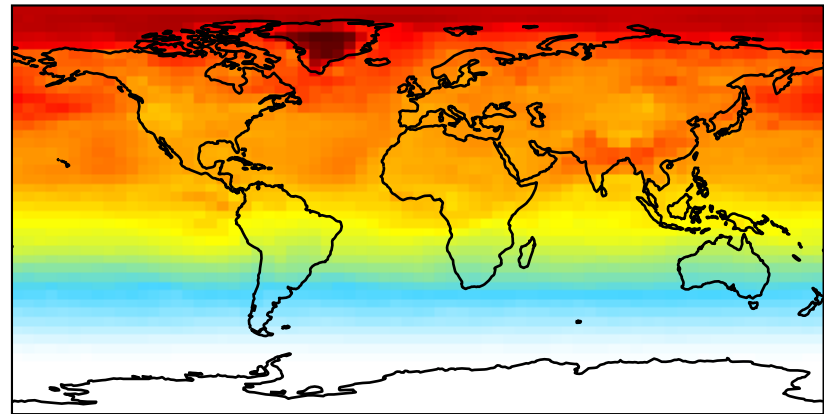


# Jval\_AT00H

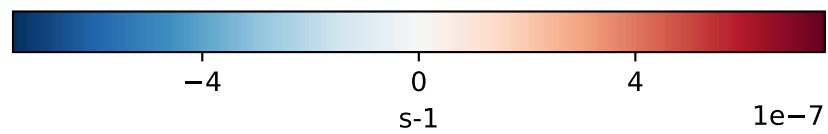
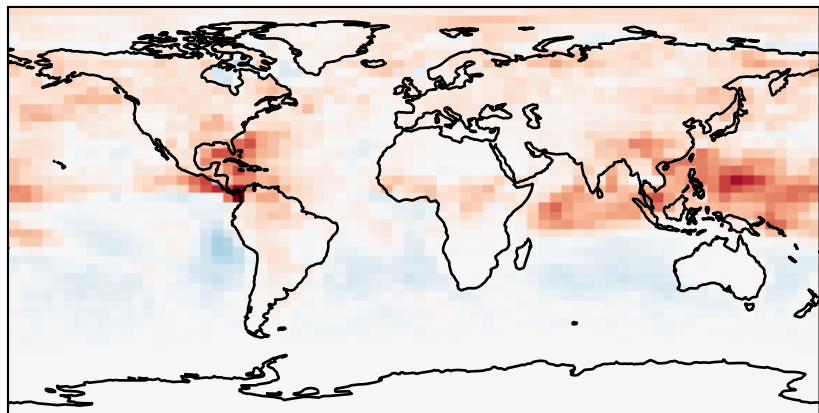
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



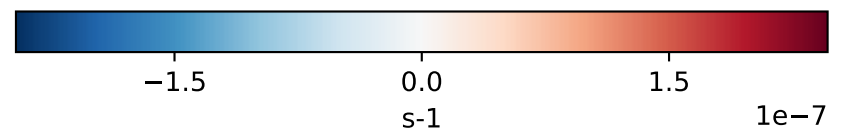
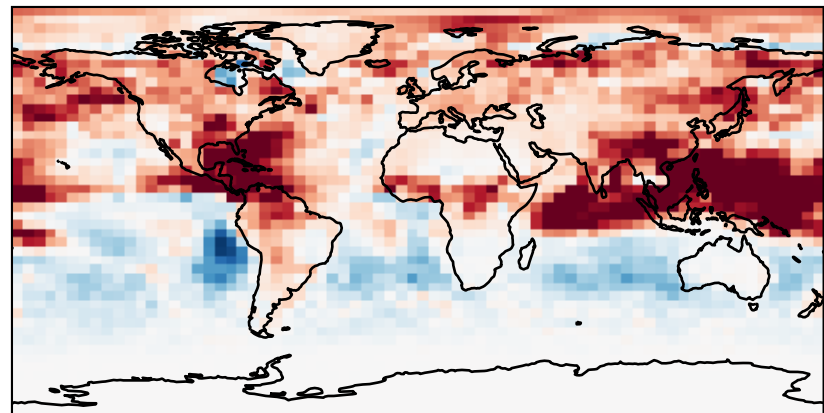
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



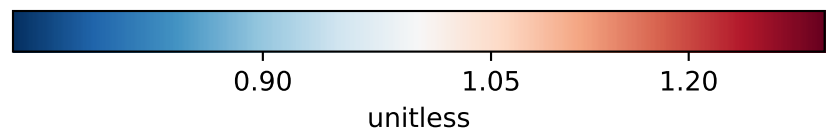
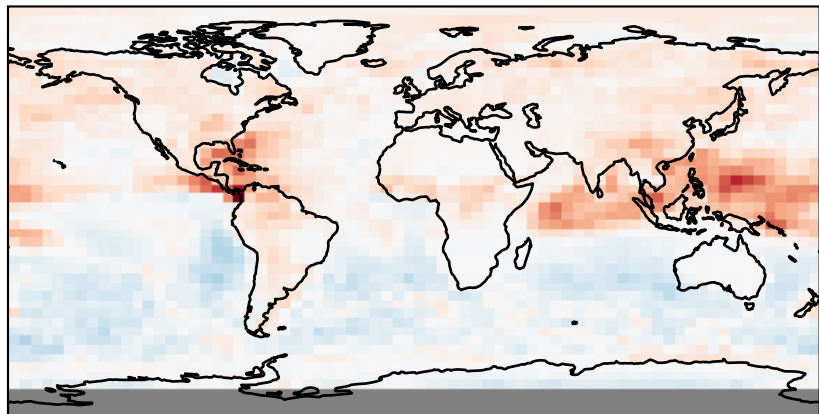
Difference  
Dev - Ref, Dynamic Range



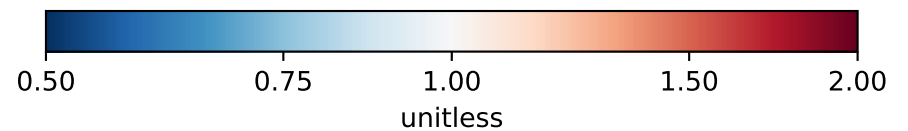
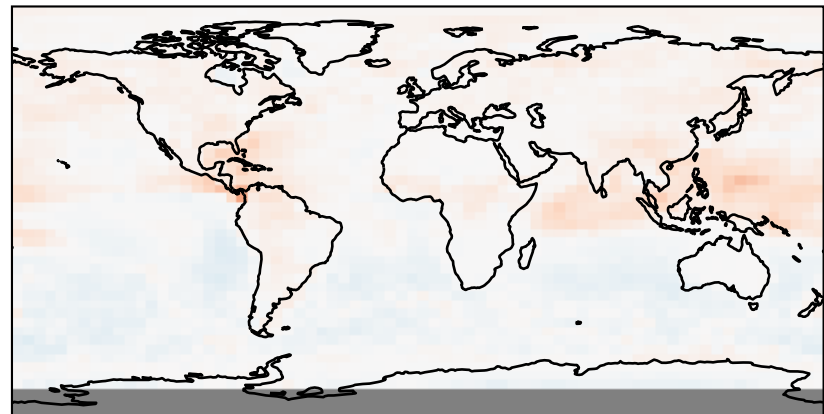
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

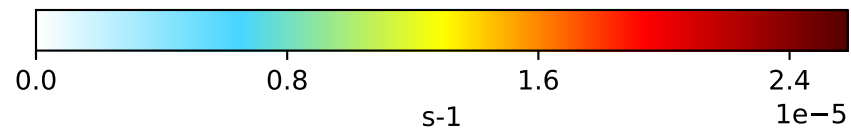
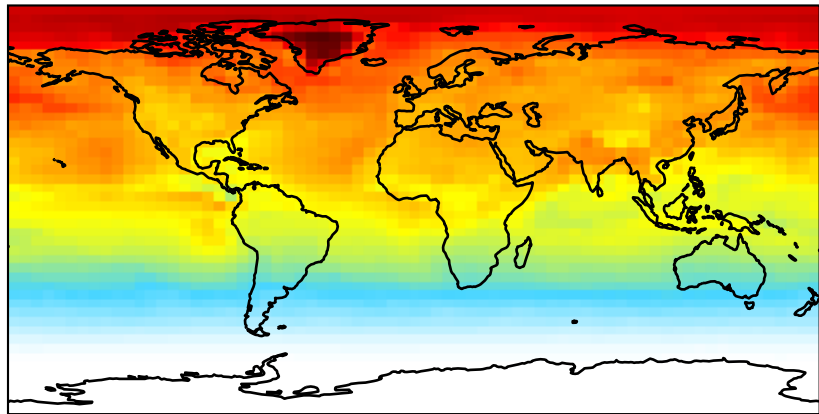


Ratio  
Dev/Ref, Fixed Range

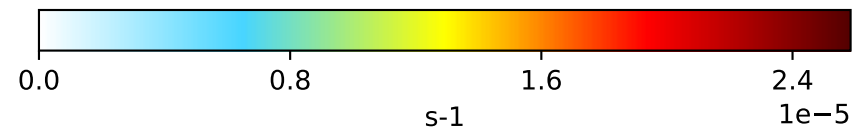
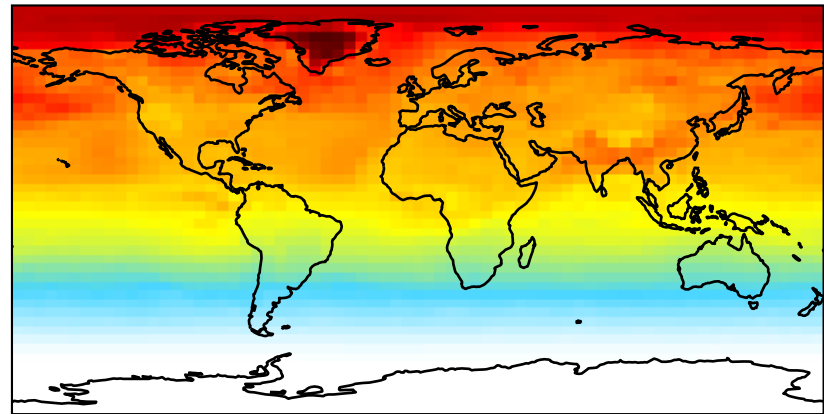


# Jval\_BALD

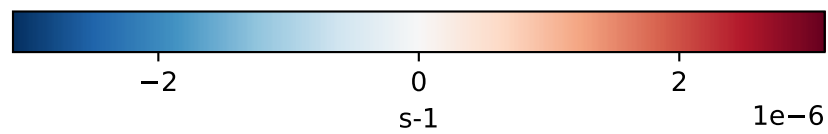
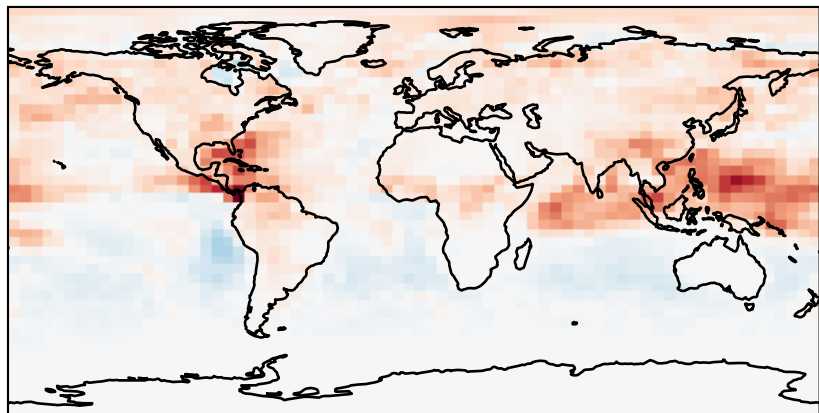
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



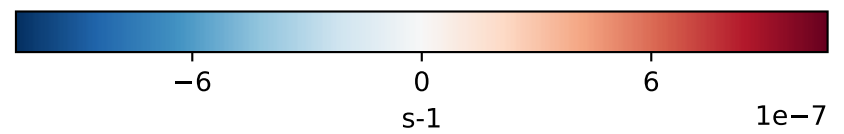
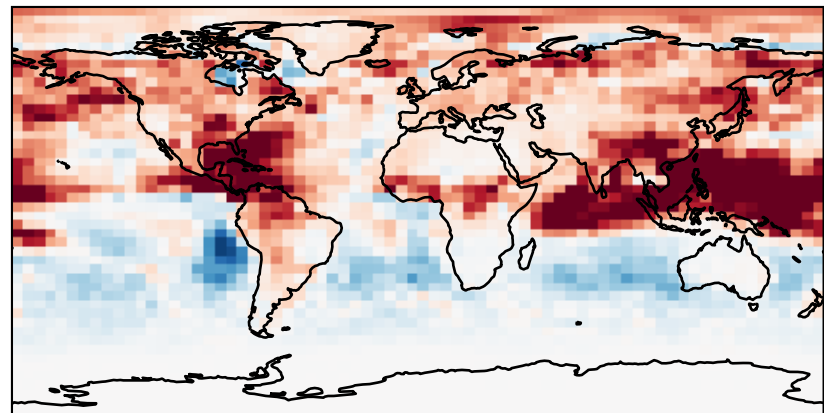
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



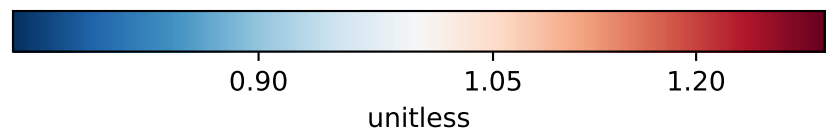
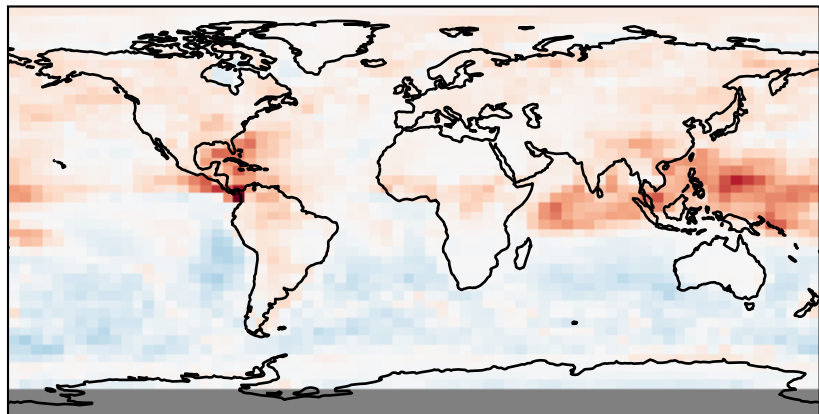
Difference  
Dev - Ref, Dynamic Range



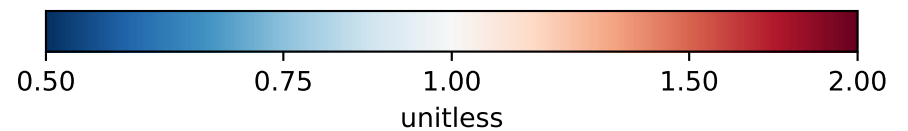
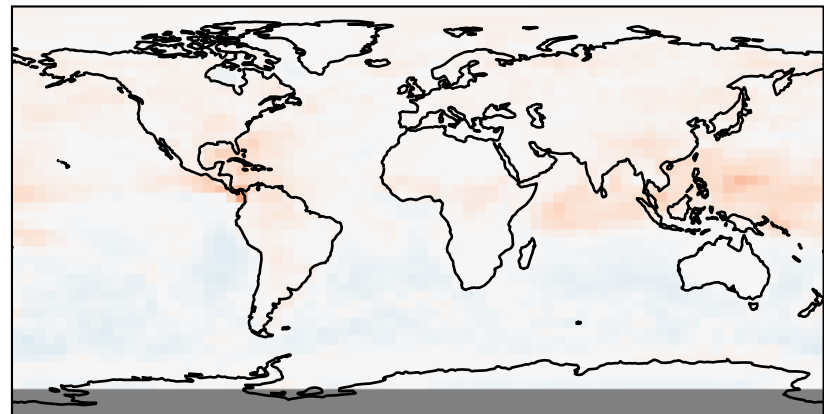
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

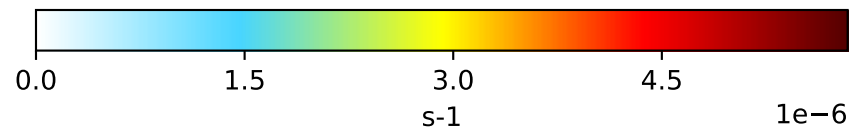
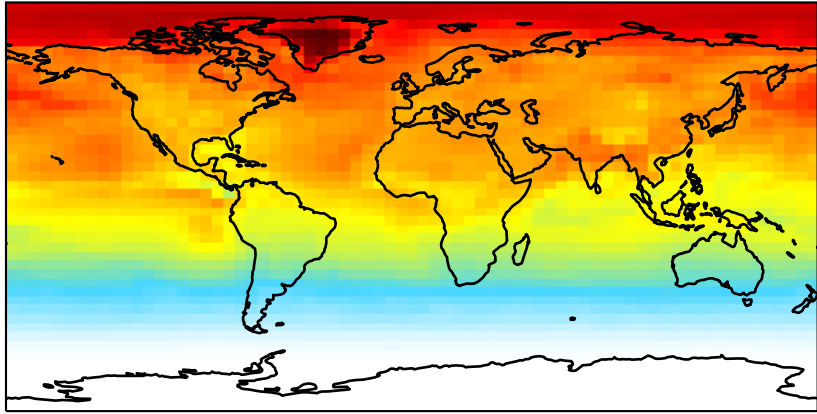


Ratio  
Dev/Ref, Fixed Range

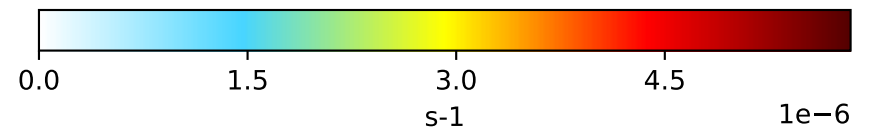
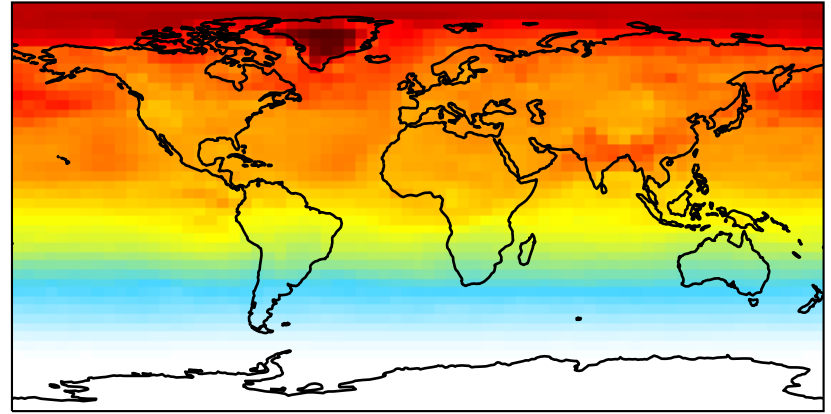


# Jval\_BENZP

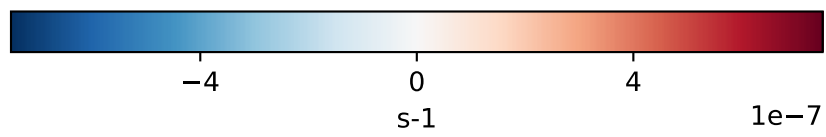
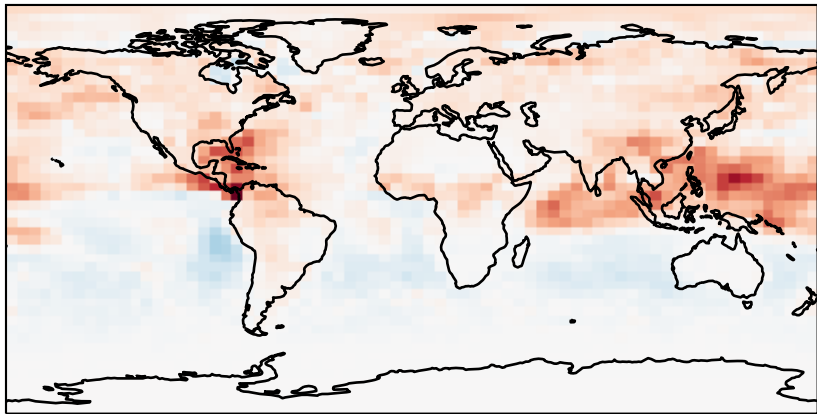
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



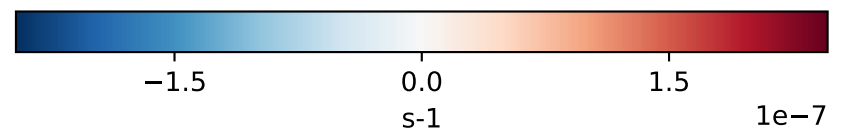
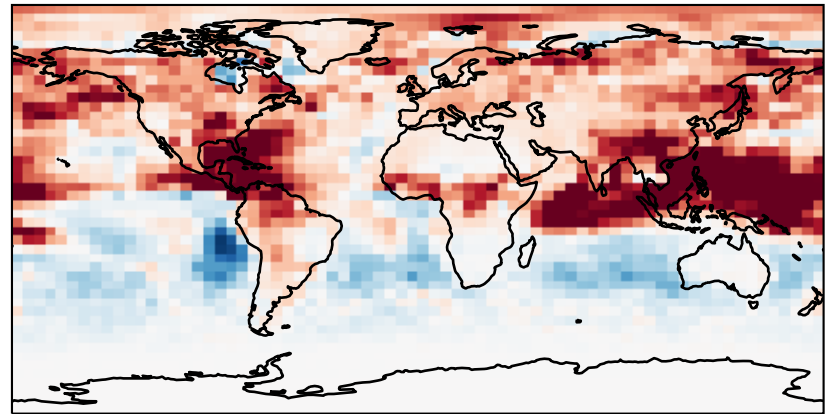
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



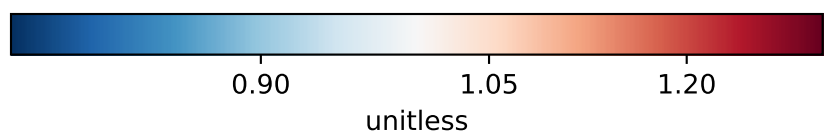
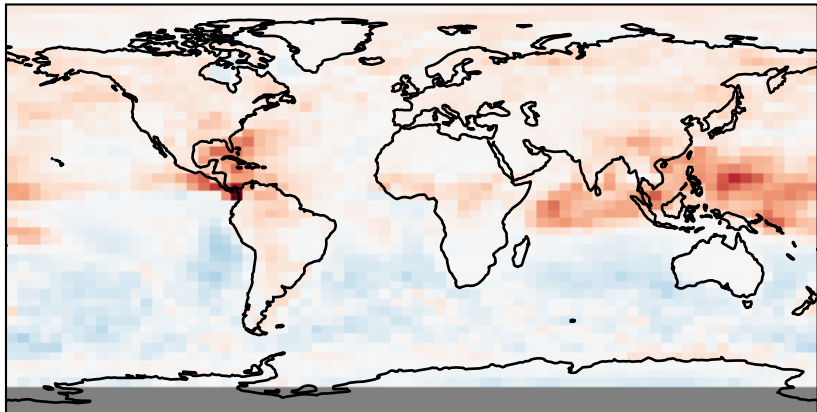
Difference  
Dev - Ref, Dynamic Range



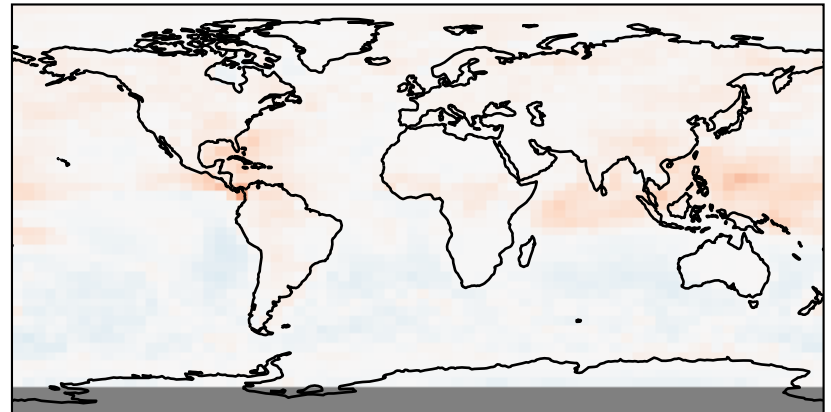
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

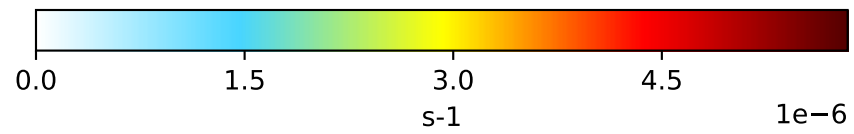
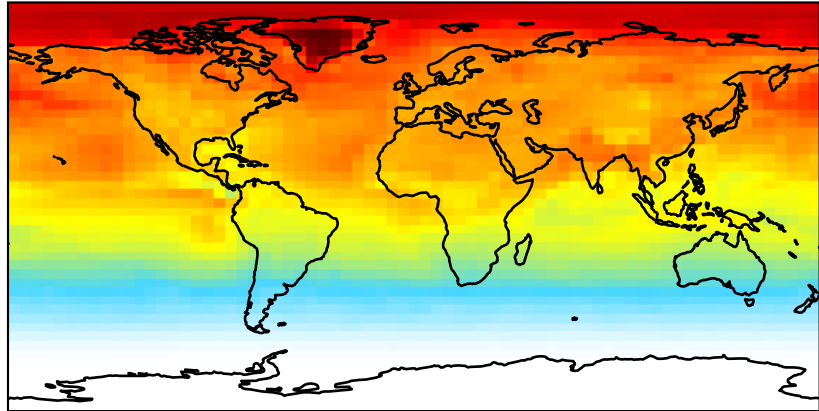


Ratio  
Dev/Ref, Fixed Range

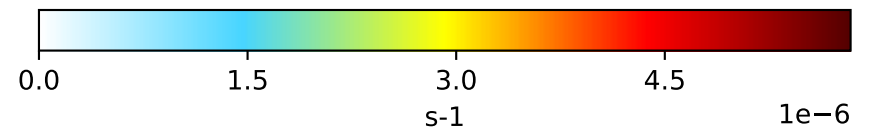
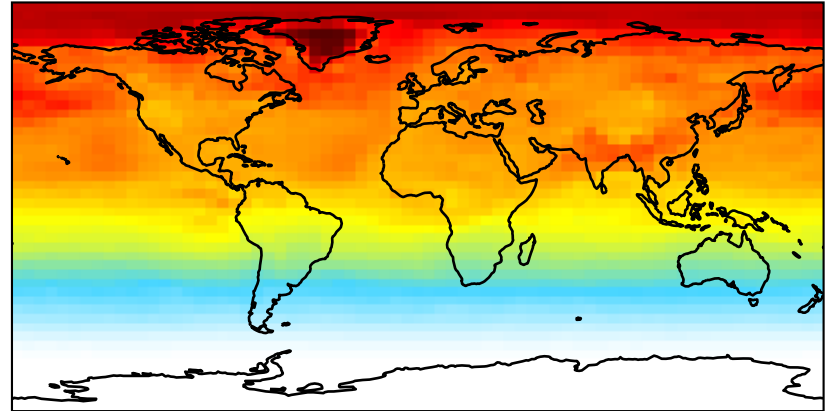


# Jval\_BZCO3H

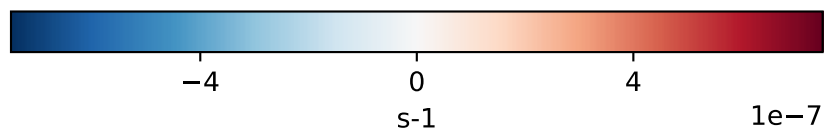
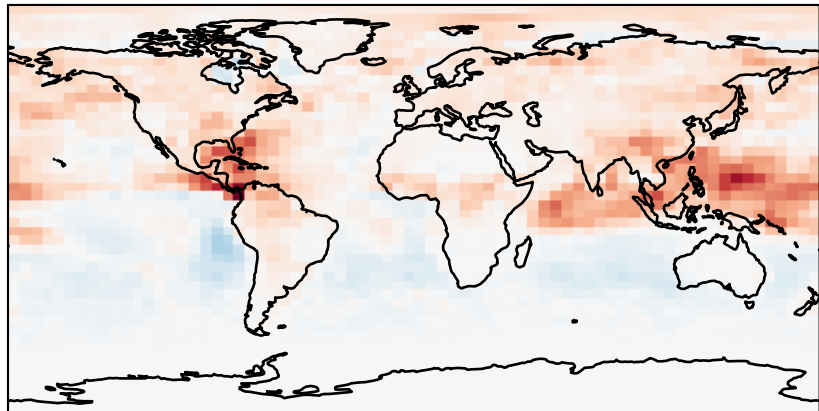
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



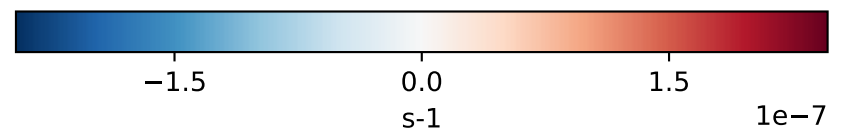
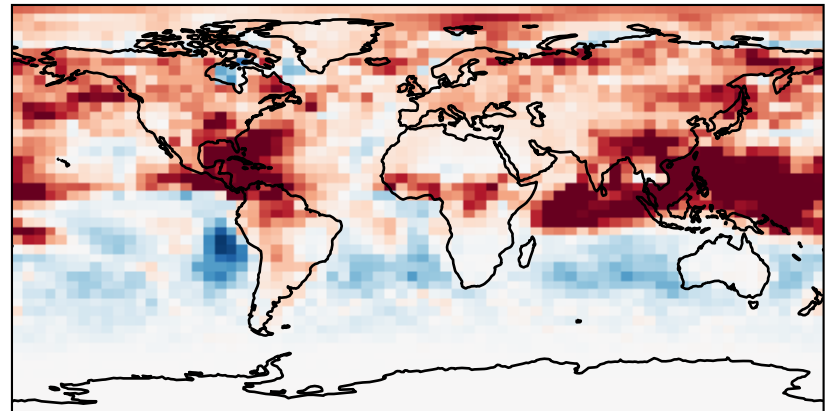
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



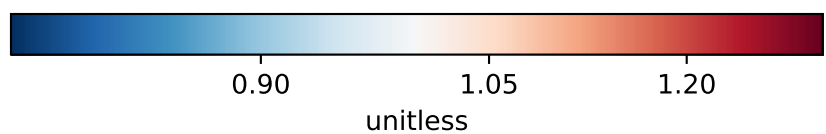
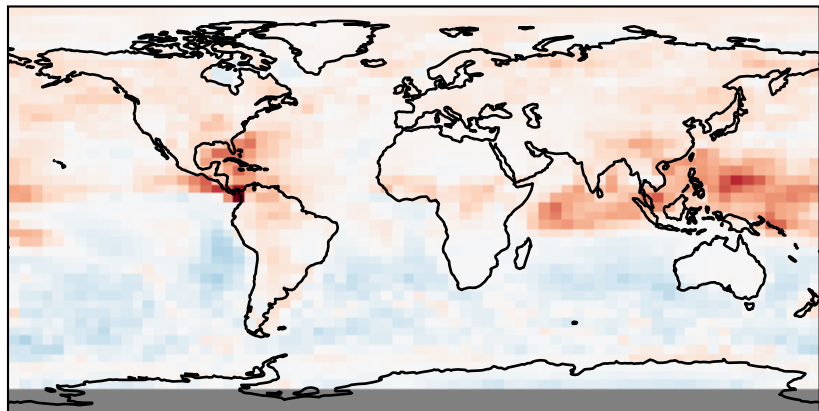
Difference  
Dev - Ref, Dynamic Range



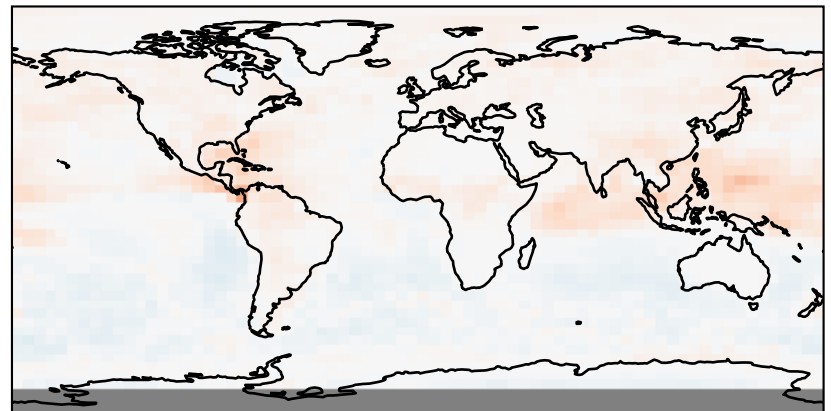
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



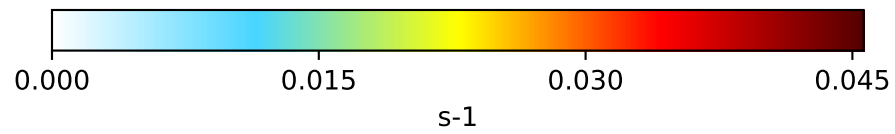
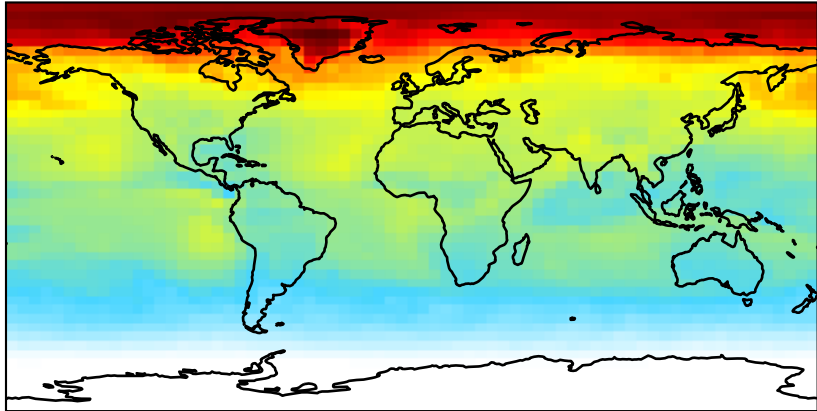
Ratio  
Dev/Ref, Fixed Range



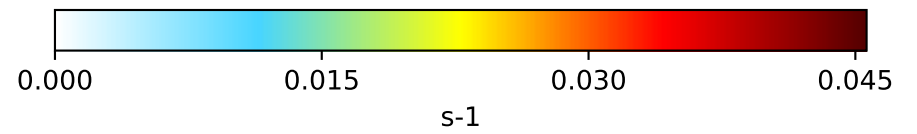
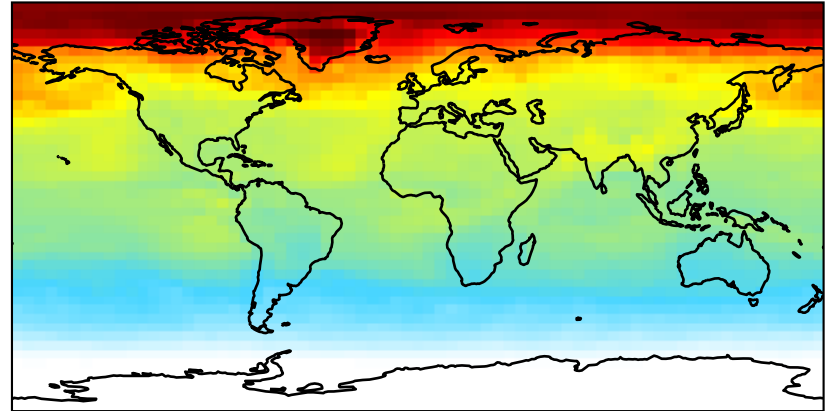


# Jval\_Br2

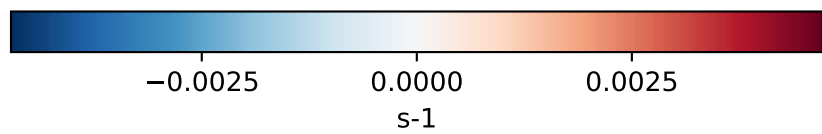
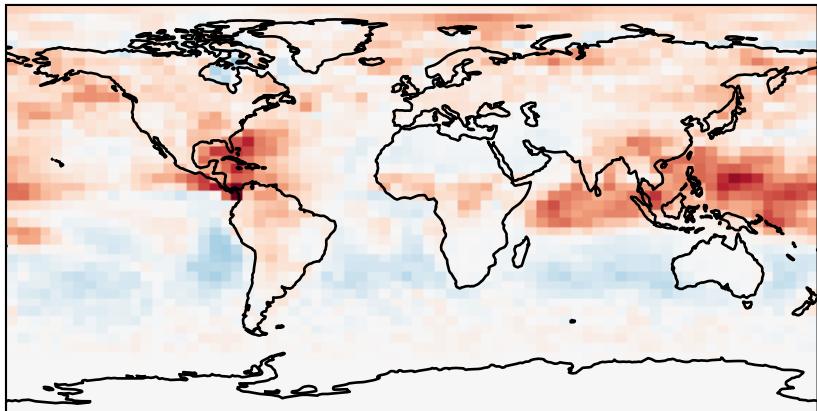
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



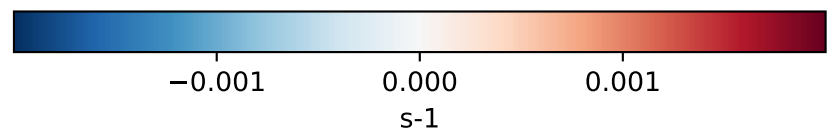
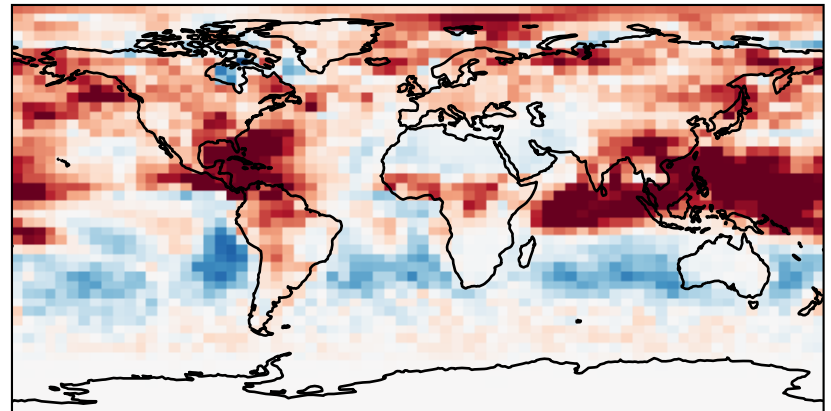
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



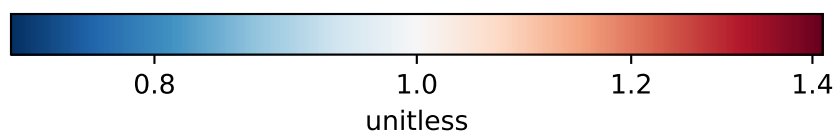
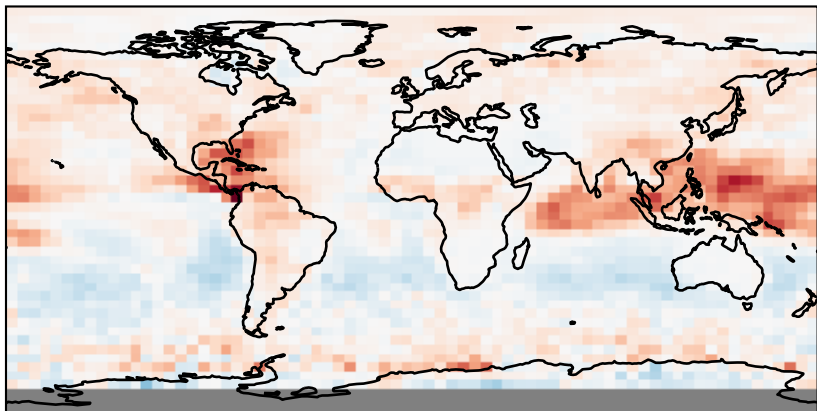
Difference  
Dev - Ref, Dynamic Range



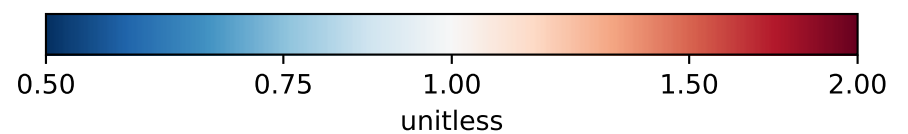
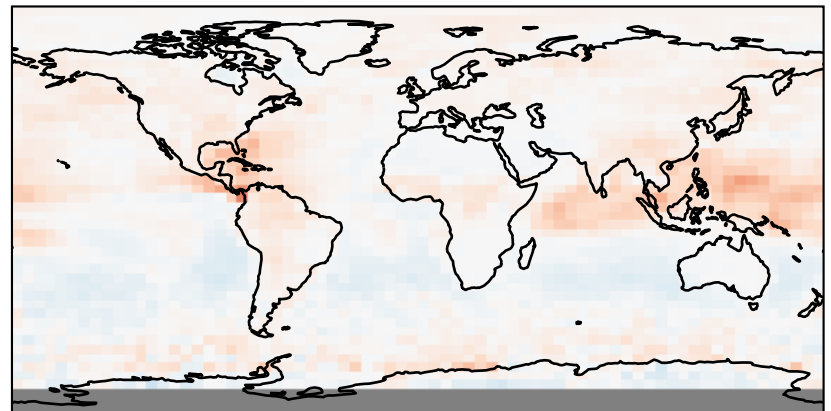
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

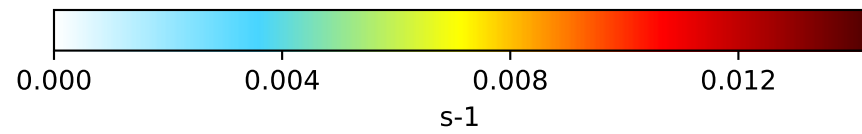
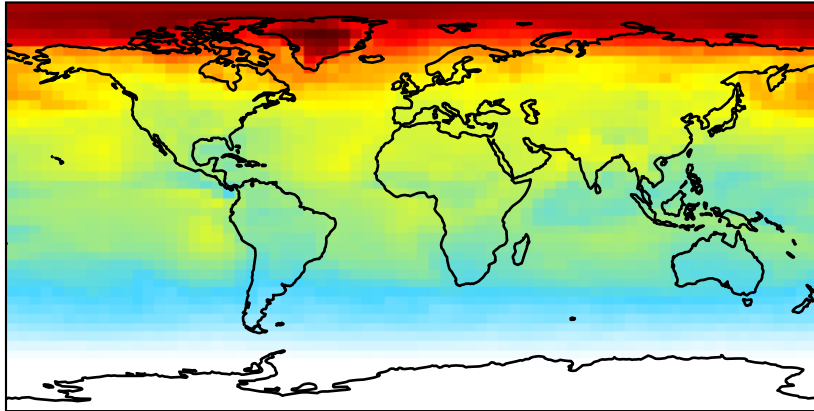


Ratio  
Dev/Ref, Fixed Range

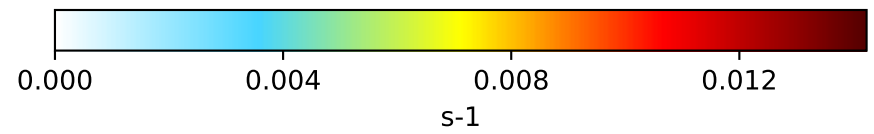
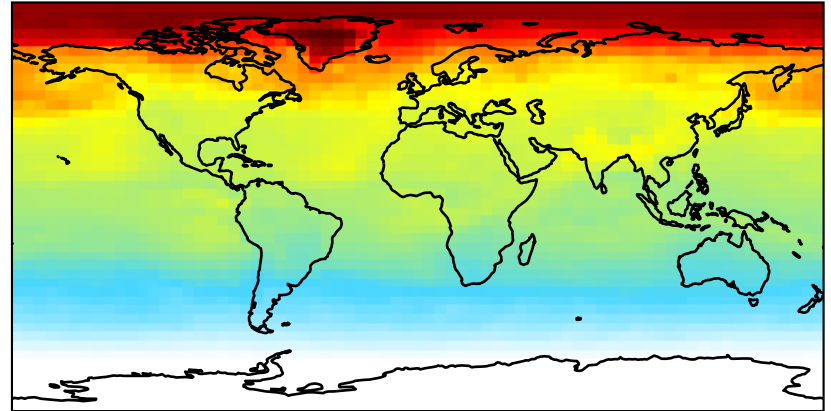


# Jval\_BrCI

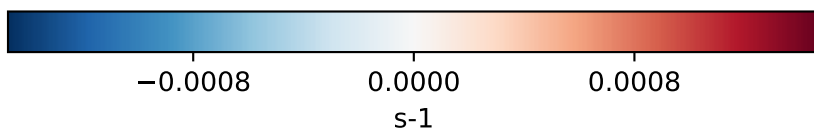
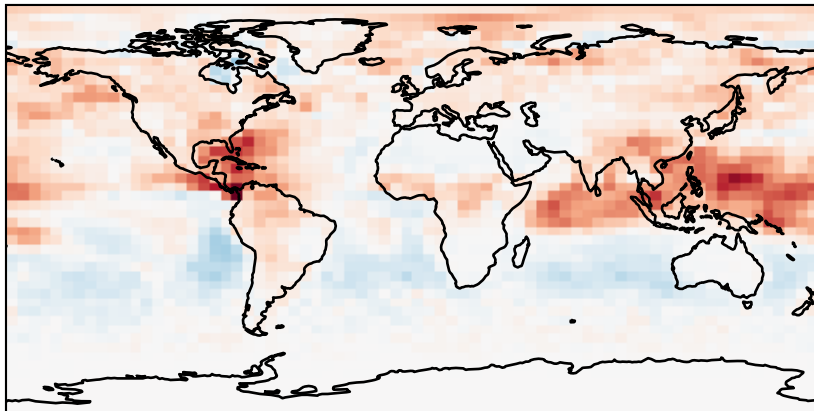
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



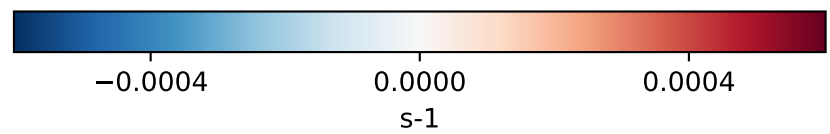
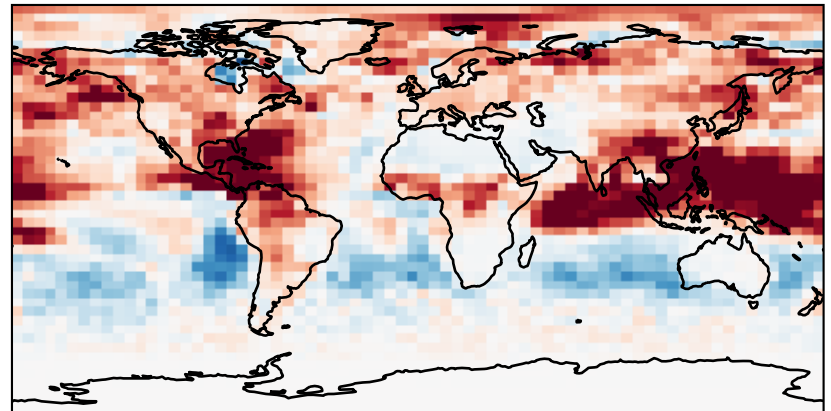
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



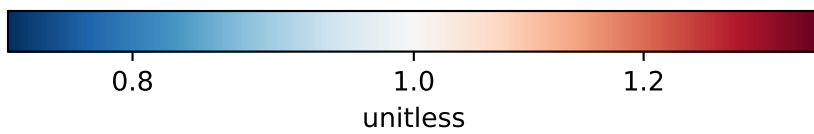
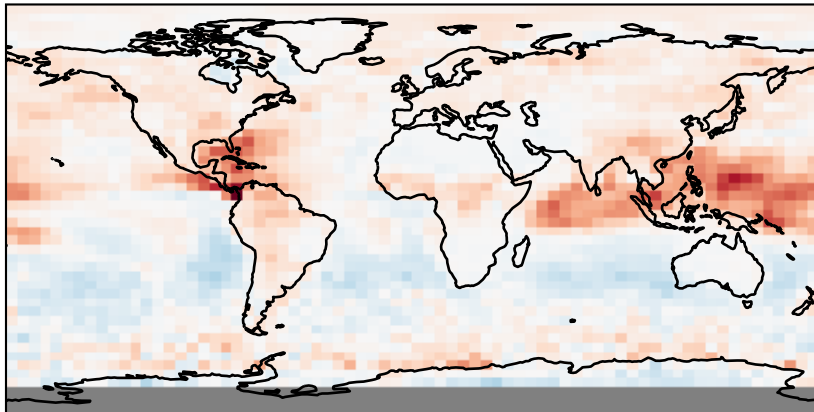
Difference  
Dev - Ref, Dynamic Range



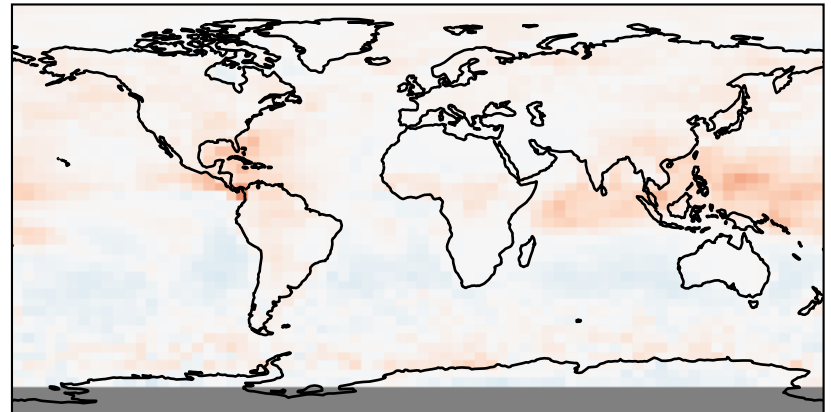
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

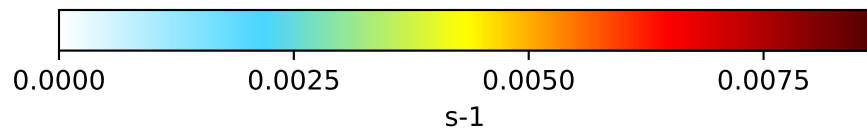
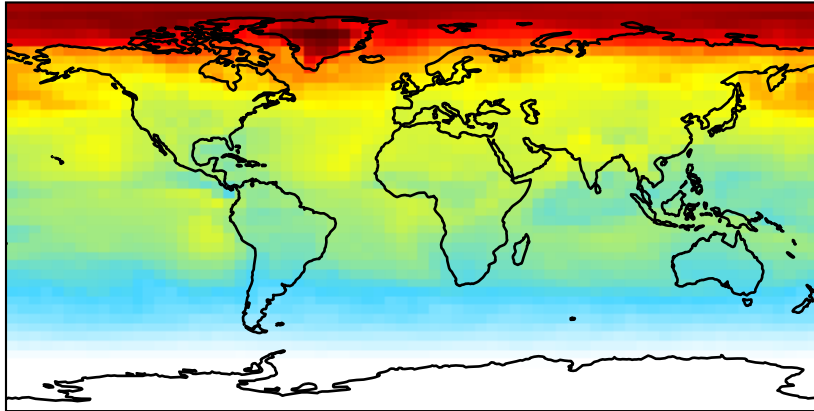


Ratio  
Dev/Ref, Fixed Range

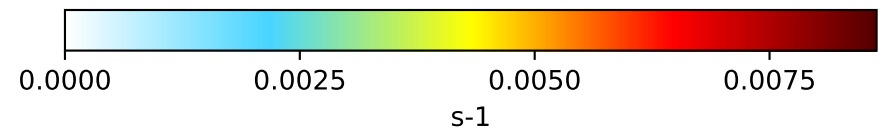
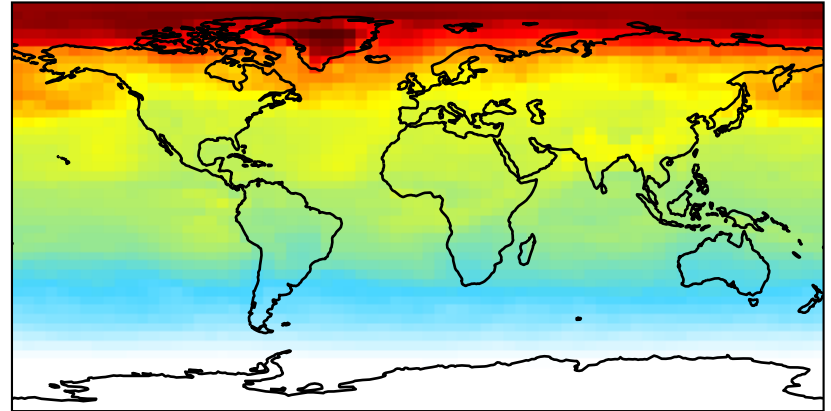


# Jval\_BrNO2

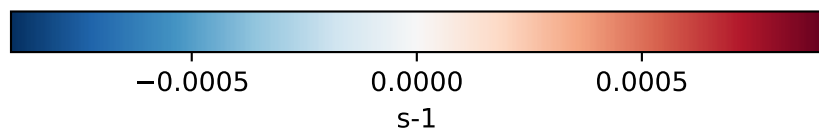
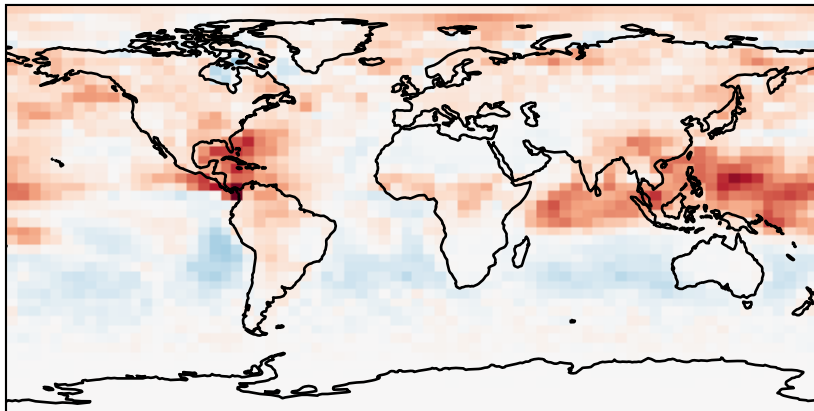
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



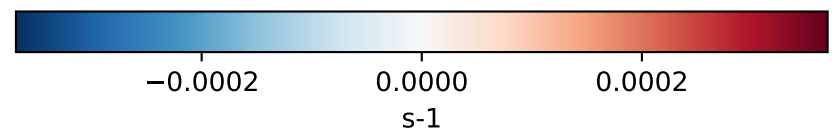
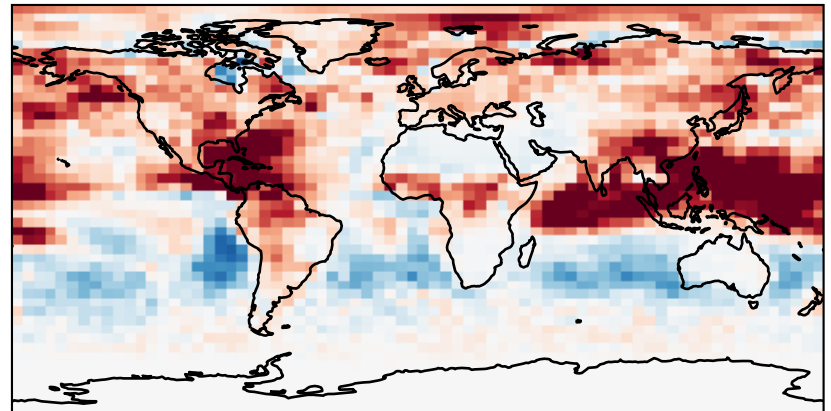
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



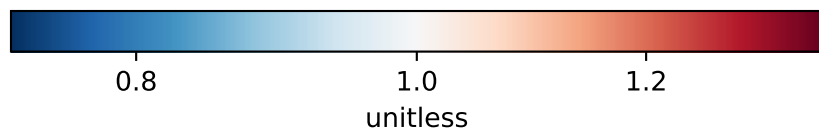
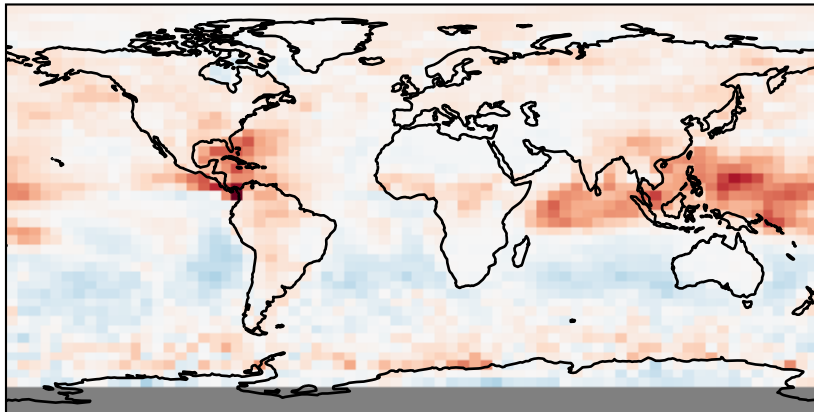
Difference  
Dev - Ref, Dynamic Range



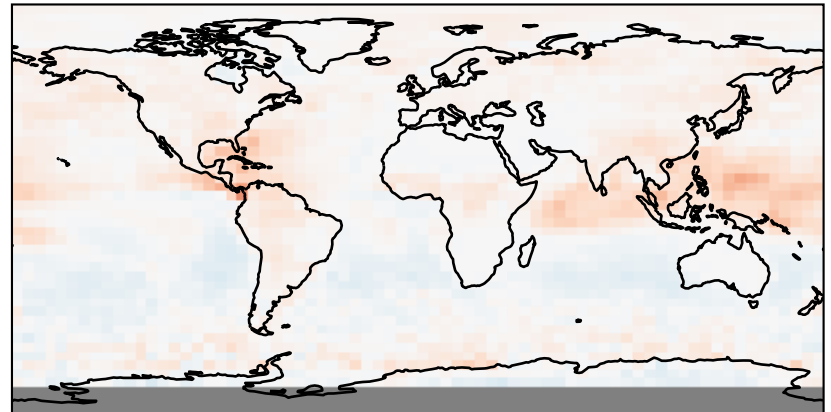
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

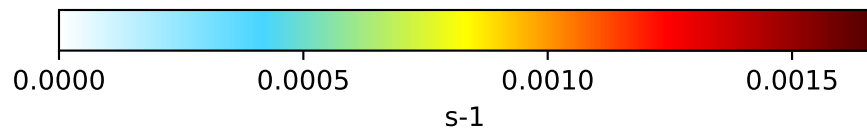
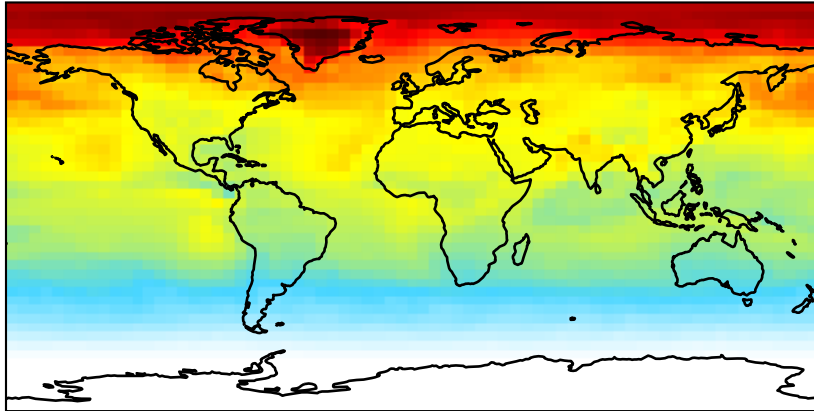


Ratio  
Dev/Ref, Fixed Range

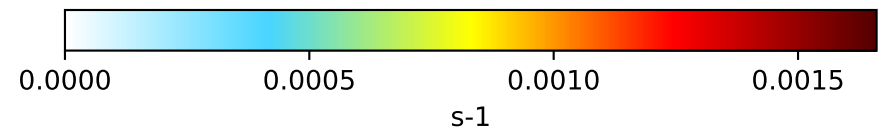
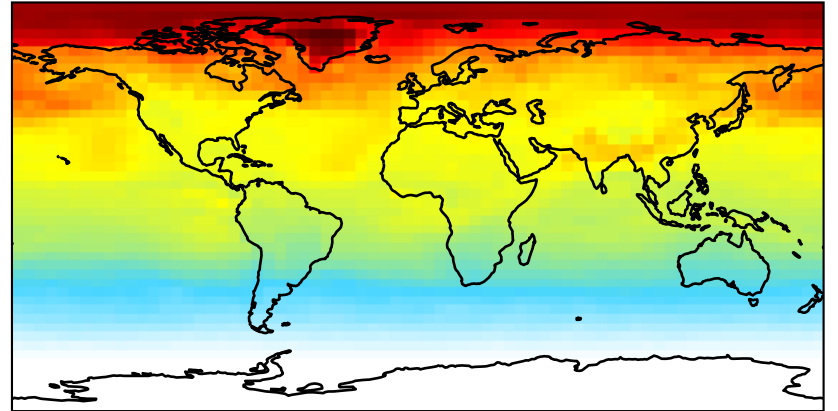


# Jval\_BrNO3

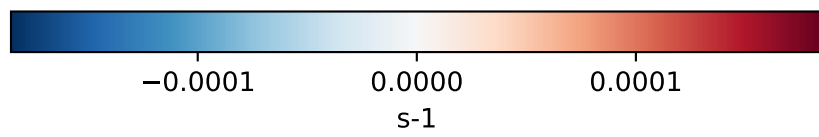
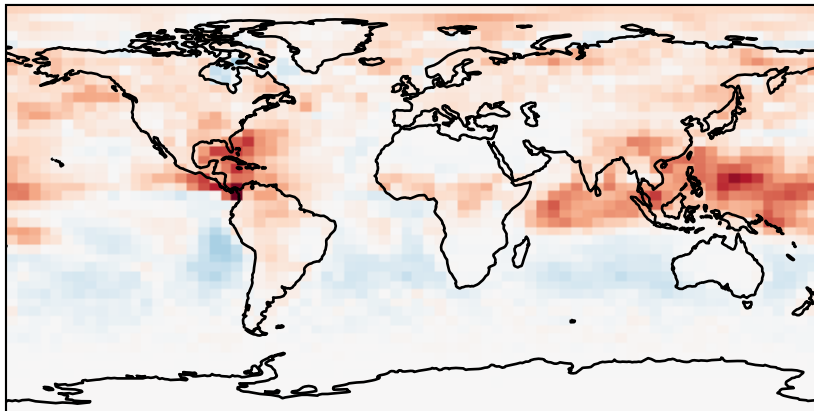
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



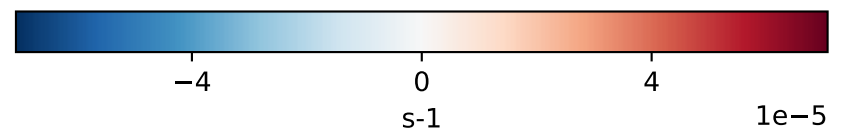
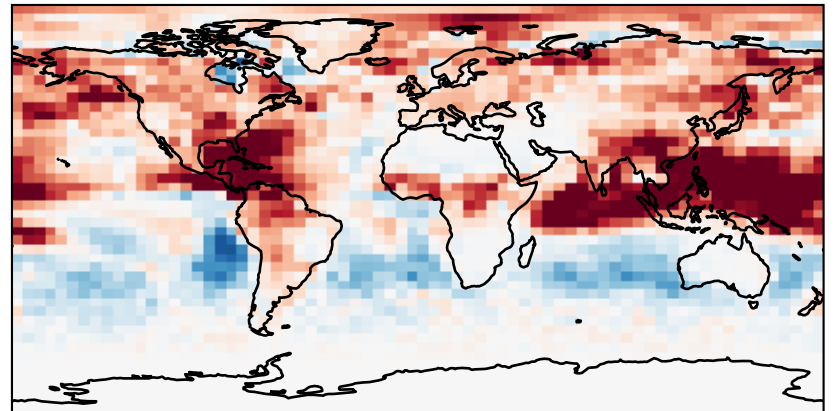
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



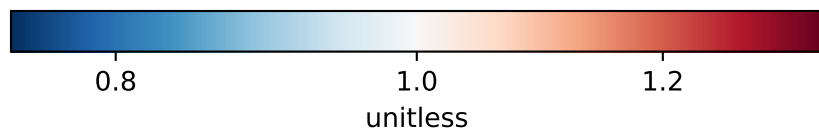
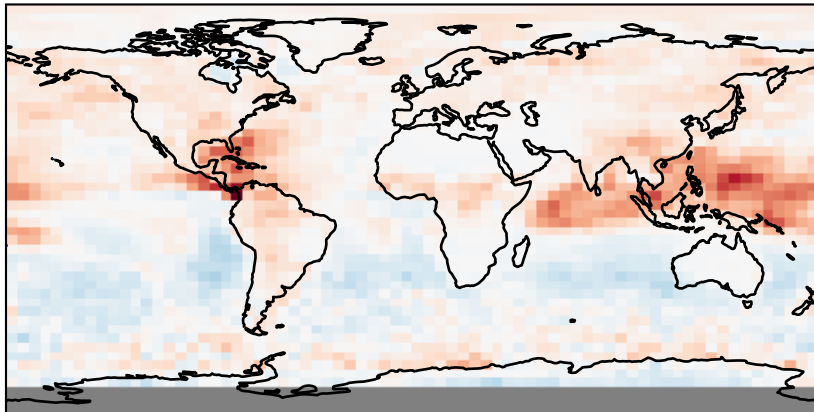
Difference  
Dev - Ref, Dynamic Range



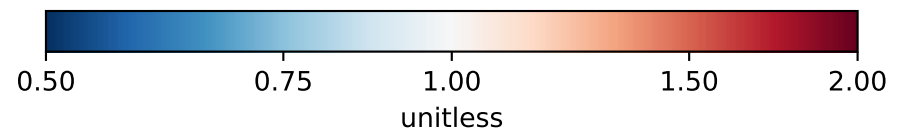
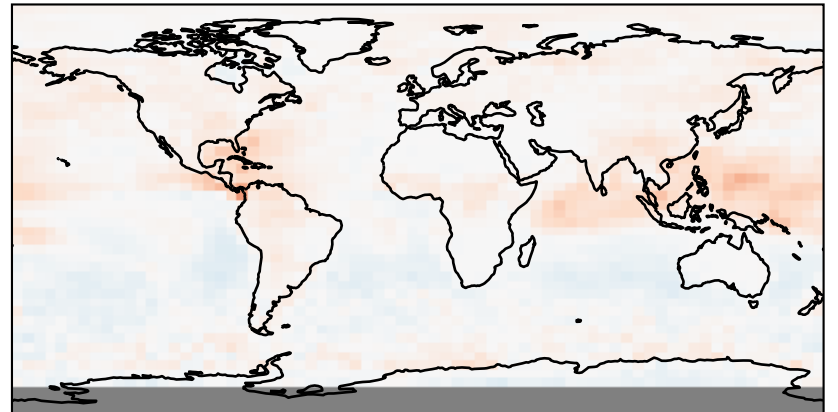
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

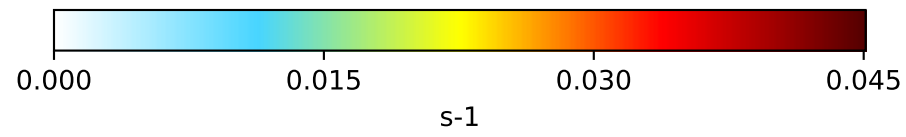
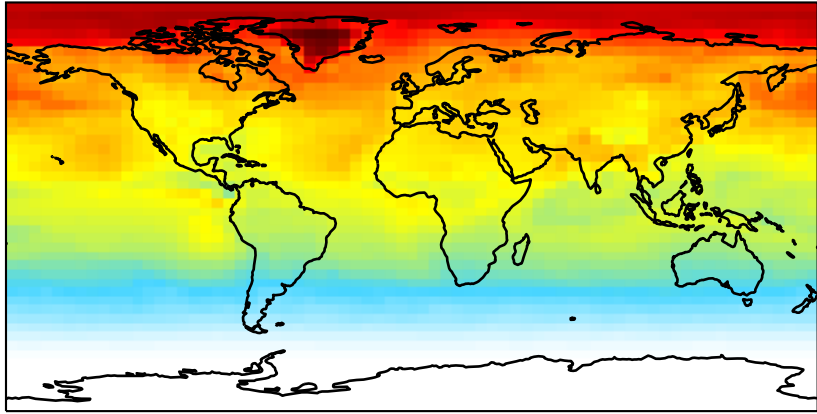


Ratio  
Dev/Ref, Fixed Range

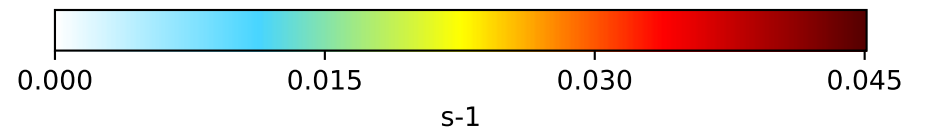
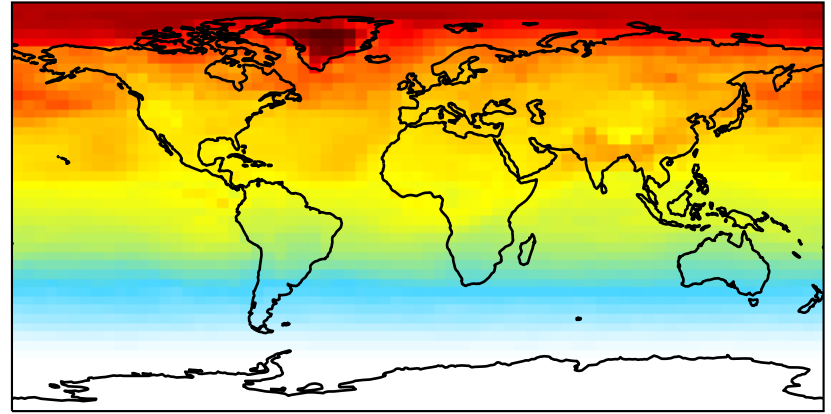


# Jval\_BrO

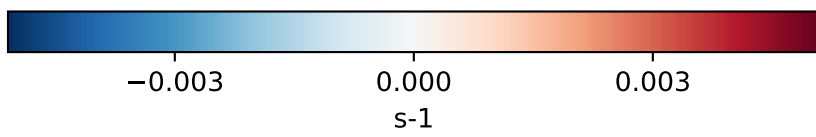
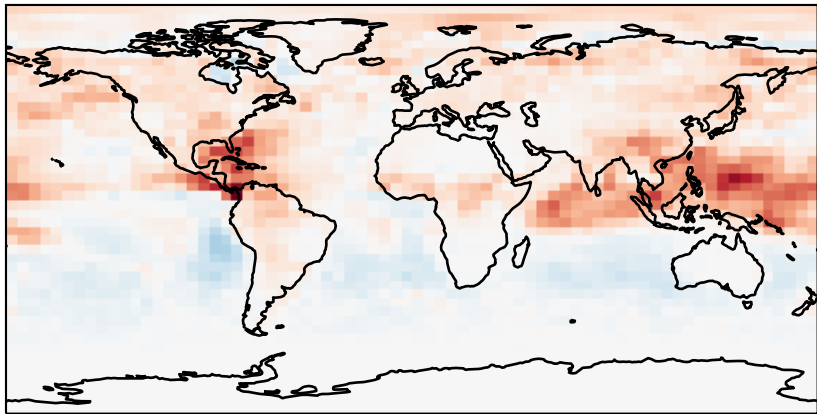
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



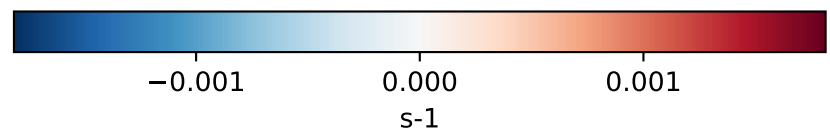
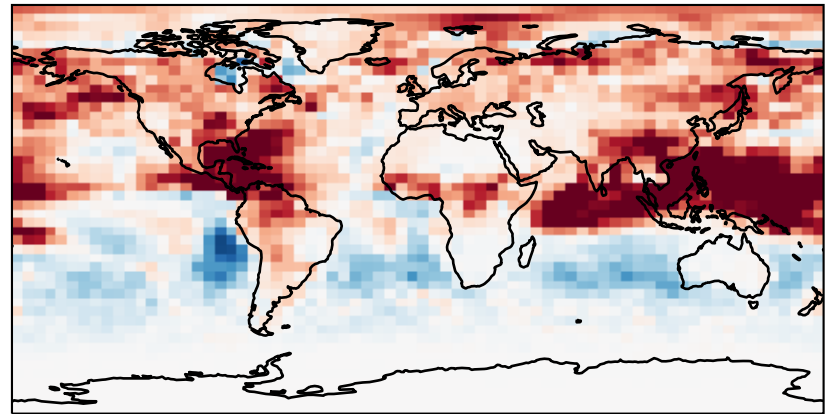
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



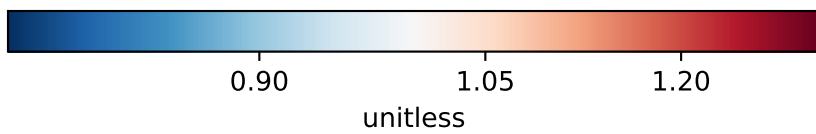
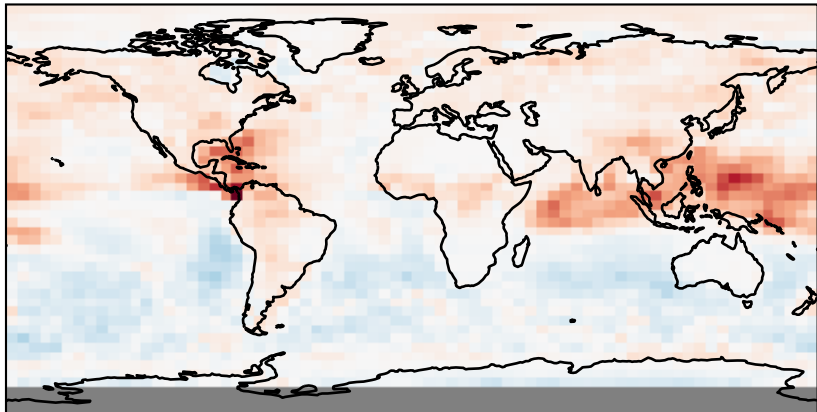
Difference  
Dev - Ref, Dynamic Range



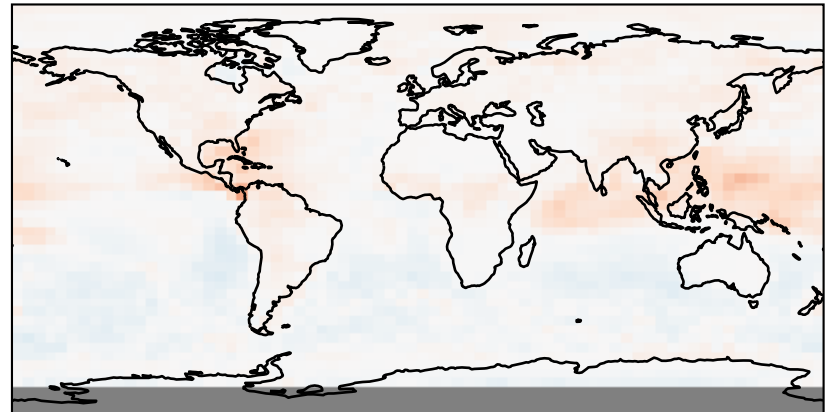
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

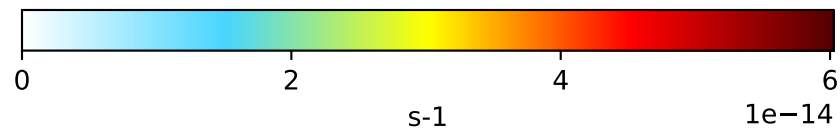


Ratio  
Dev/Ref, Fixed Range

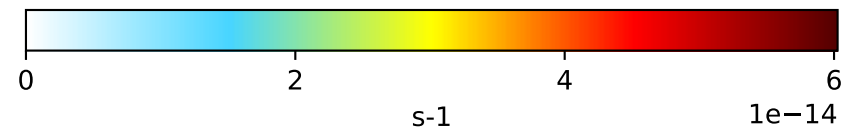
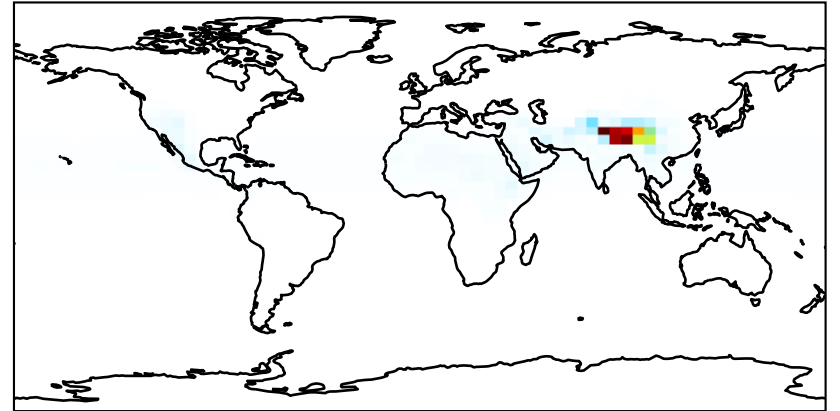


# Jval\_CCI4

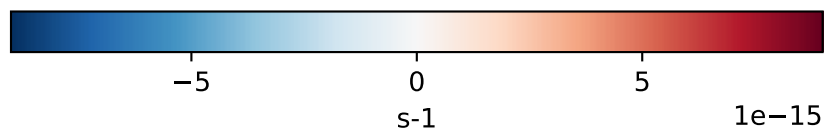
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



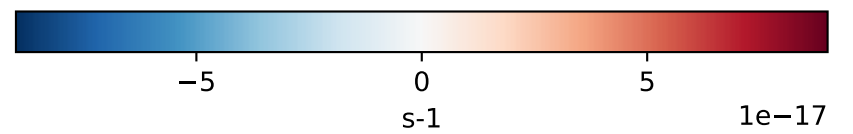
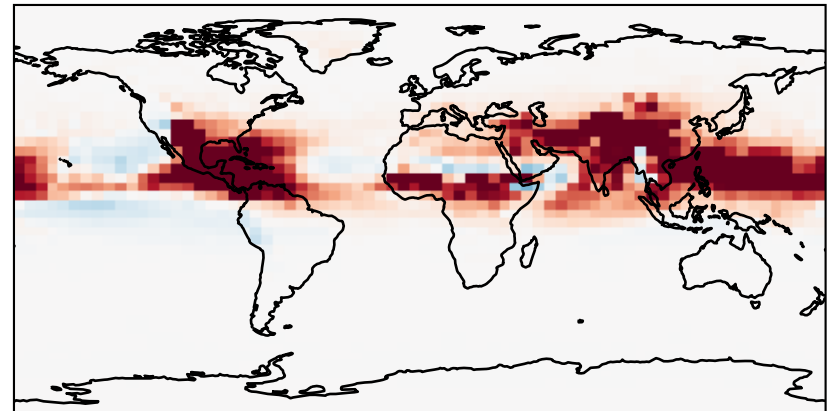
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



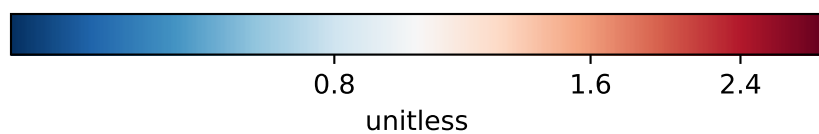
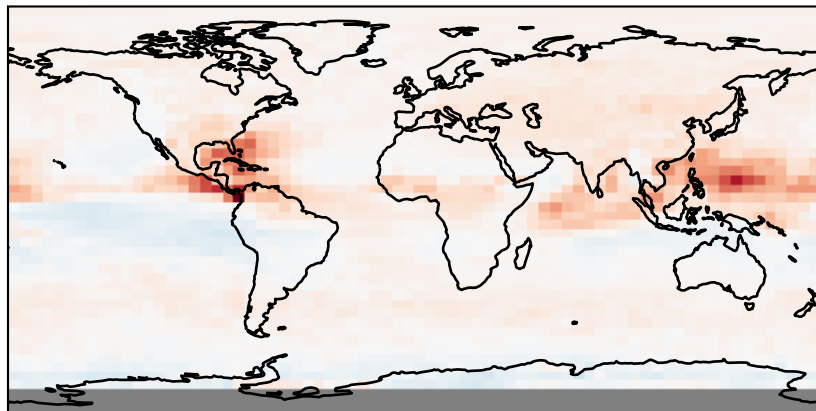
Difference  
Dev - Ref, Dynamic Range



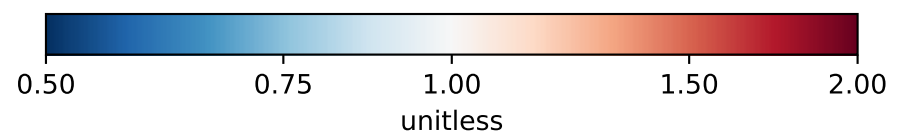
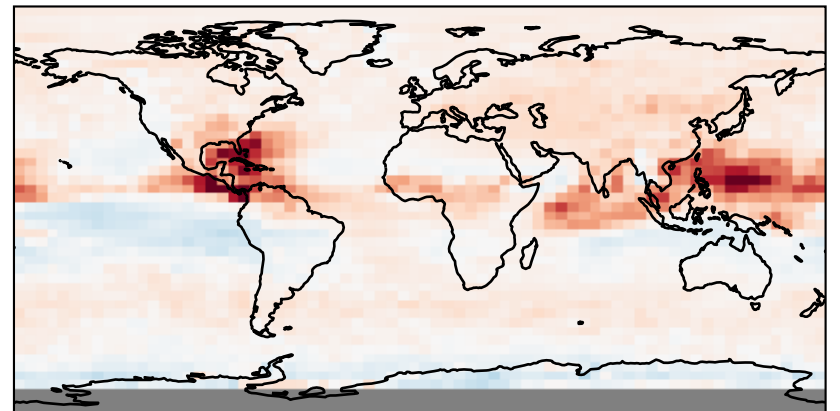
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

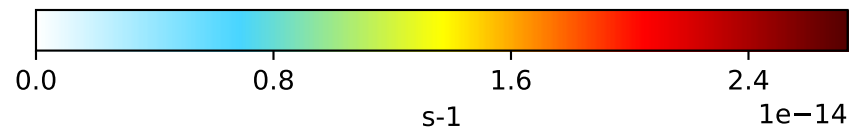


Ratio  
Dev/Ref, Fixed Range

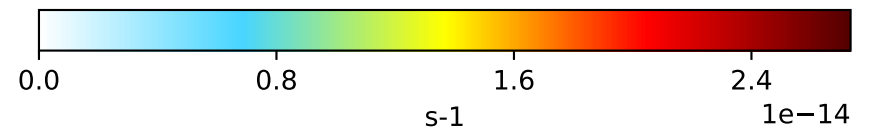
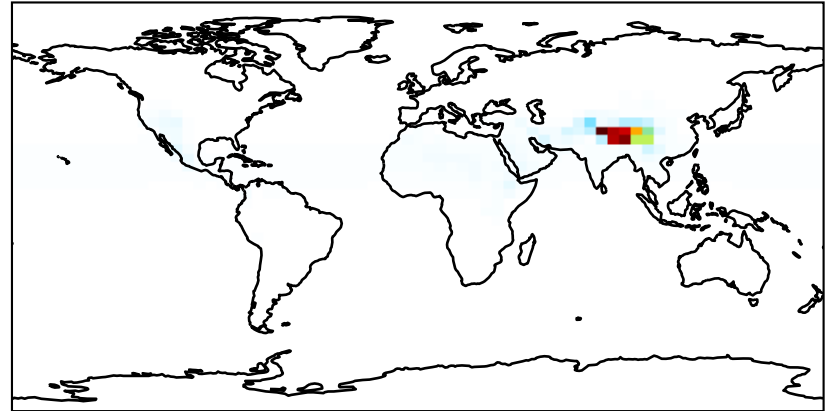


# Jval\_CFC11

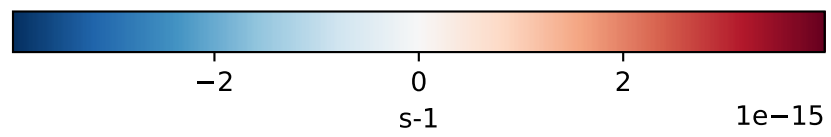
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



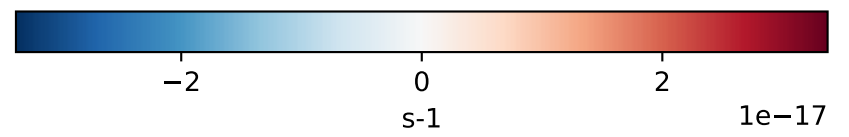
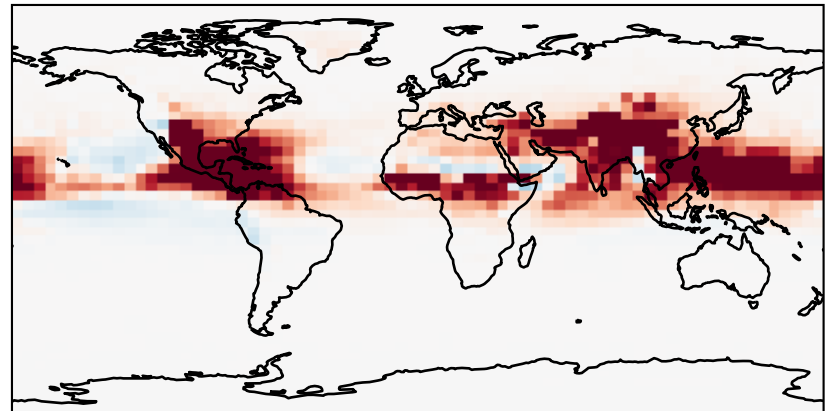
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



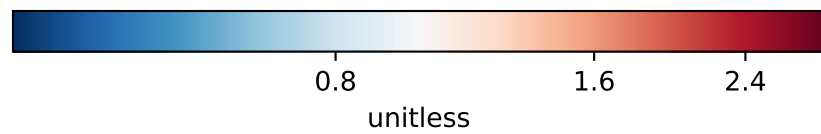
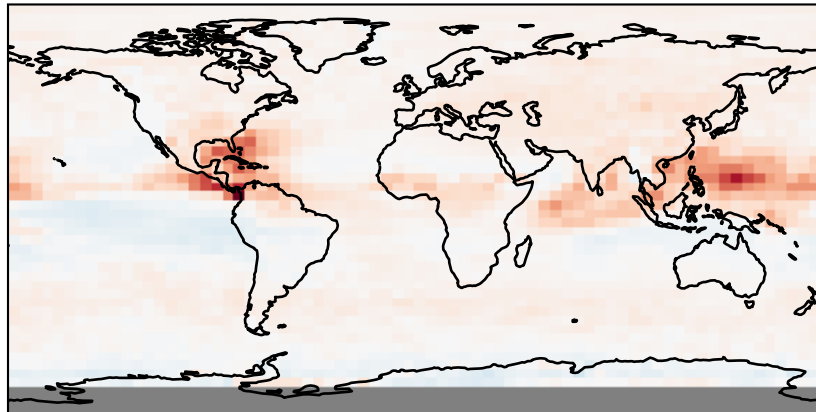
Difference  
Dev - Ref, Dynamic Range



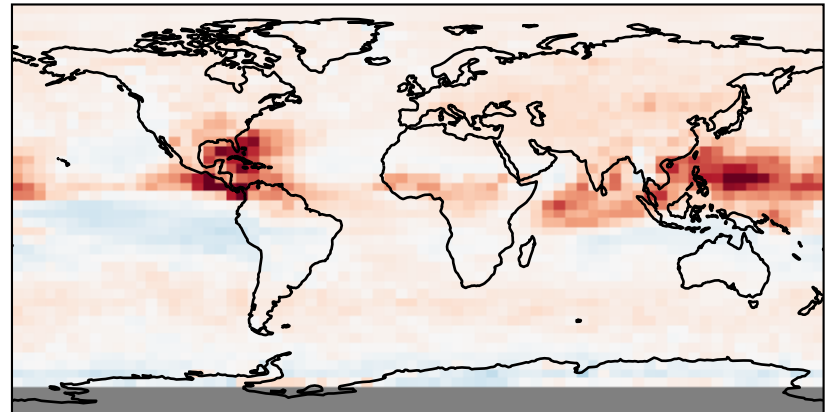
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

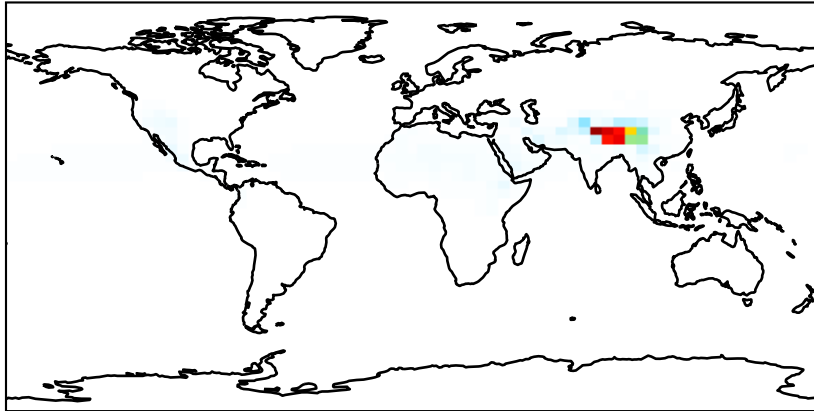


Ratio  
Dev/Ref, Fixed Range

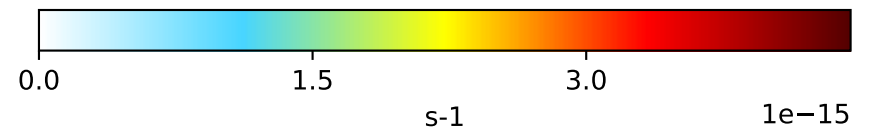
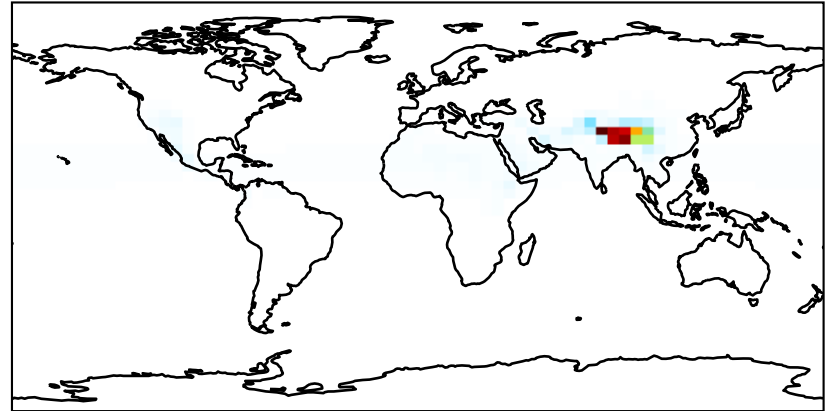


# Jval\_CFC113

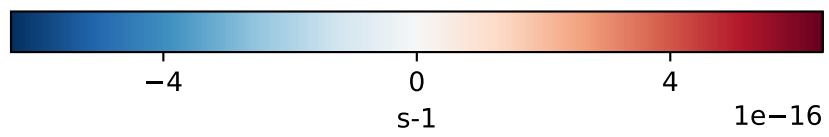
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



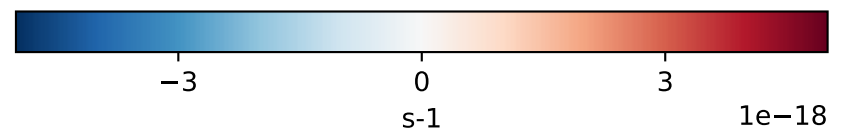
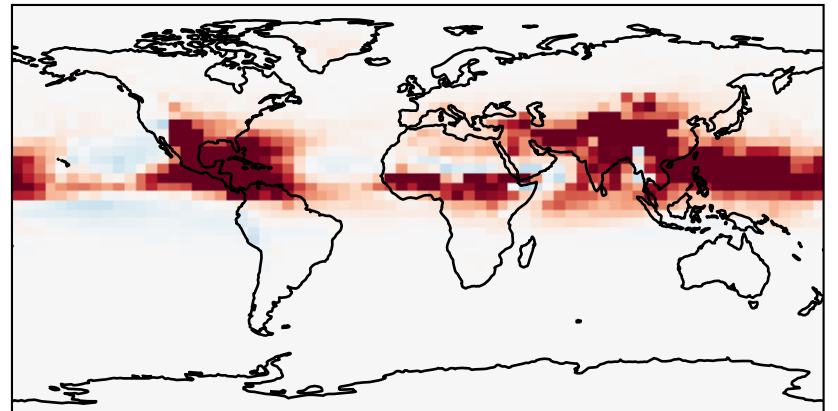
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



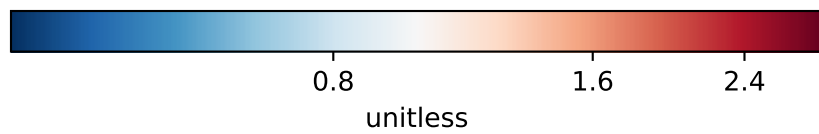
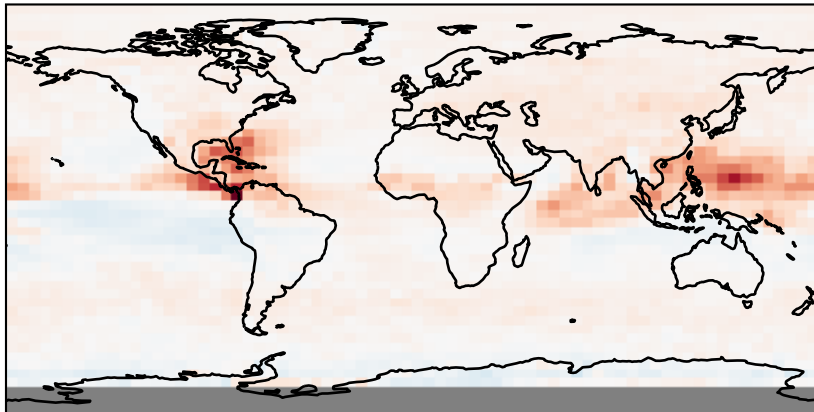
Difference  
Dev - Ref, Dynamic Range



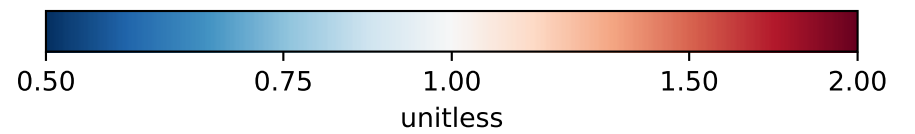
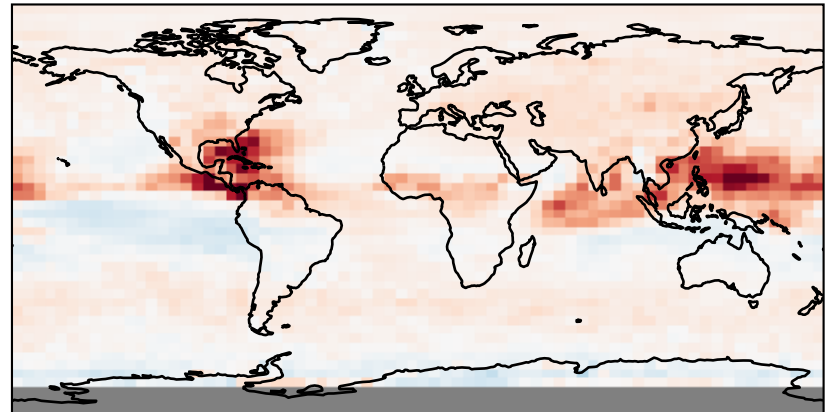
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



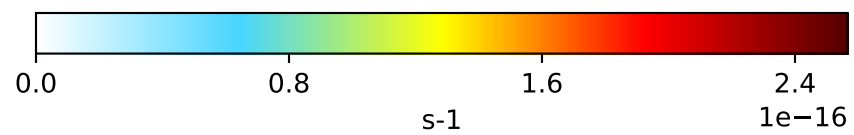
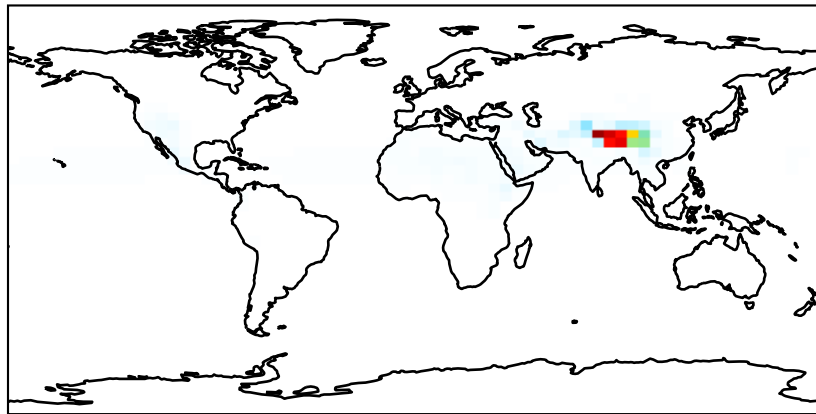
Ratio  
Dev/Ref, Fixed Range



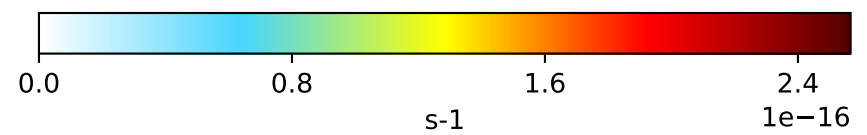
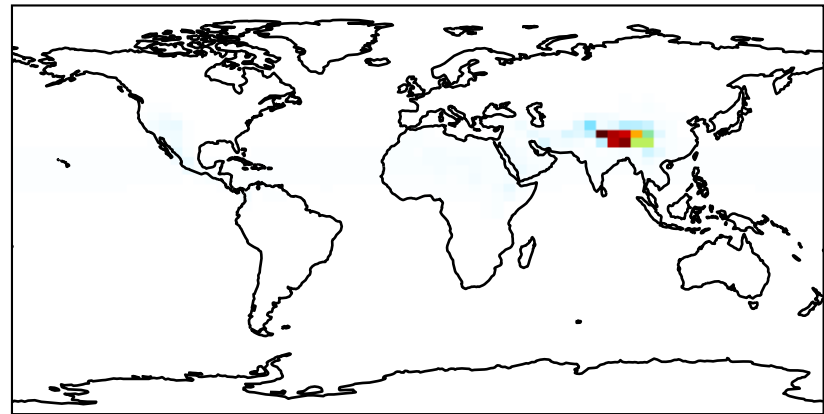


# Jval\_CFC114

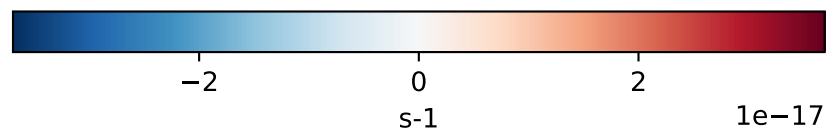
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



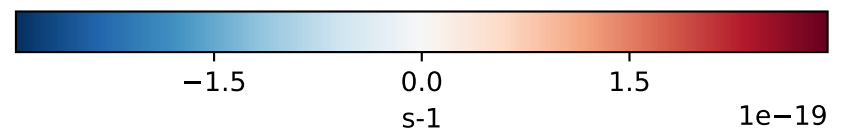
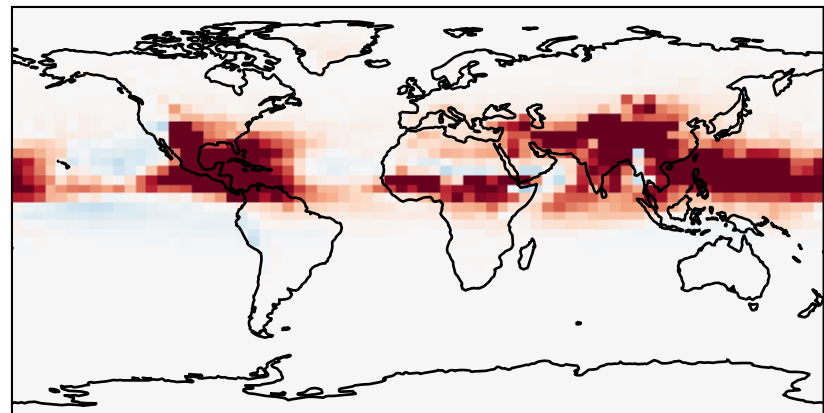
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



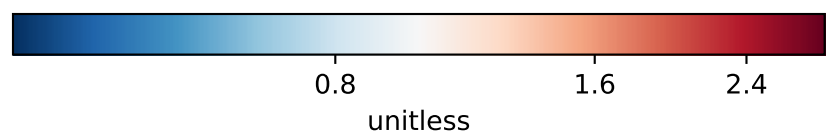
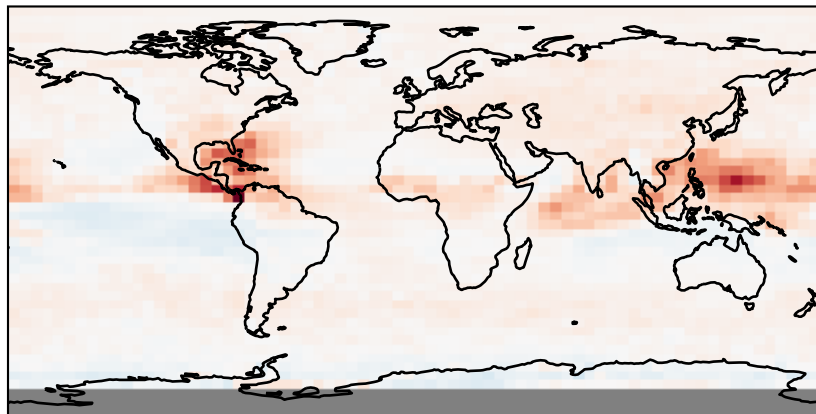
Difference  
Dev - Ref, Dynamic Range



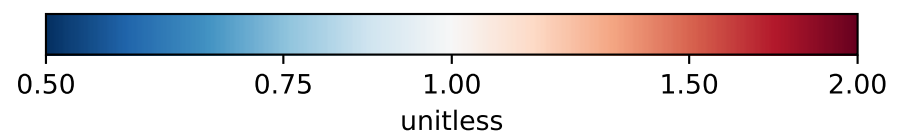
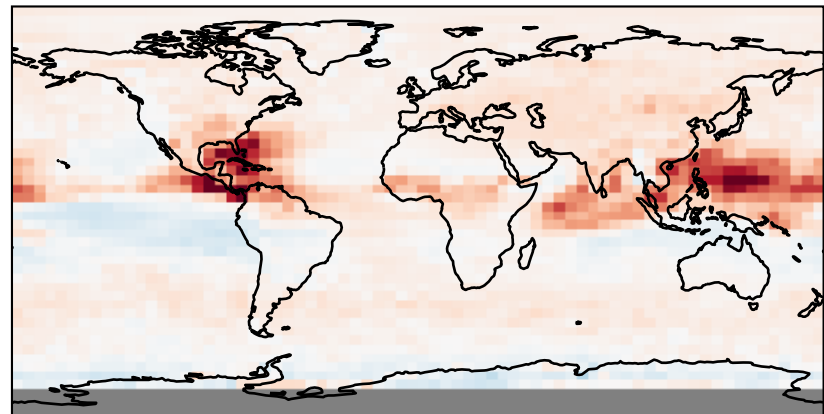
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

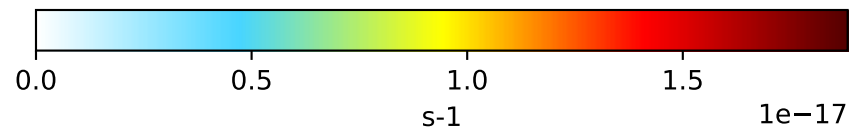
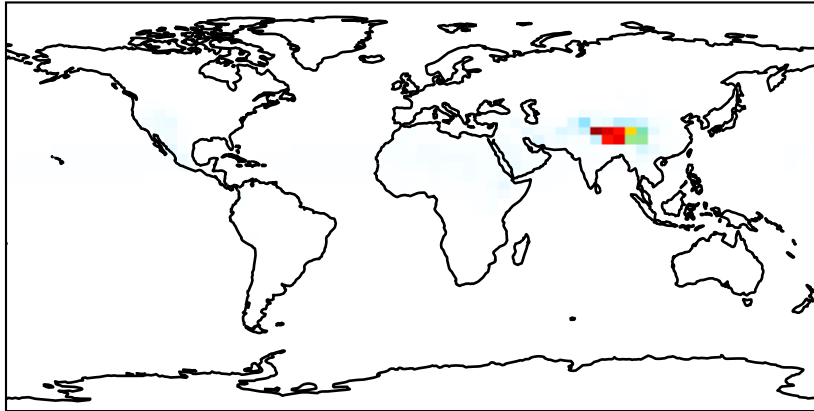


Ratio  
Dev/Ref, Fixed Range

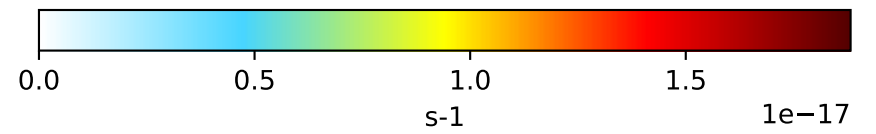
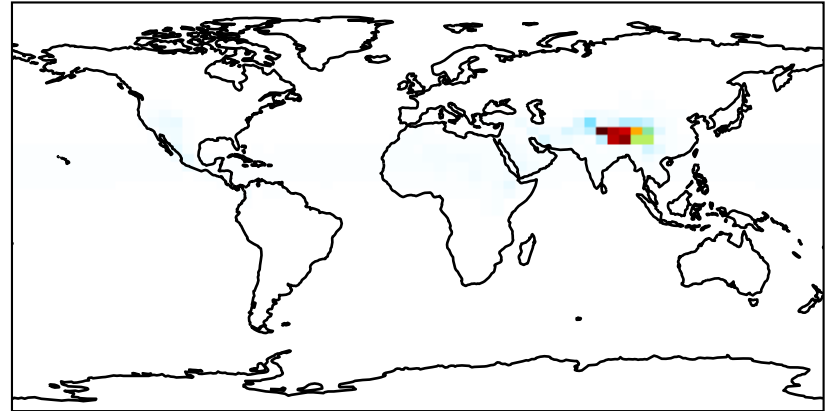


# Jval\_CFC115

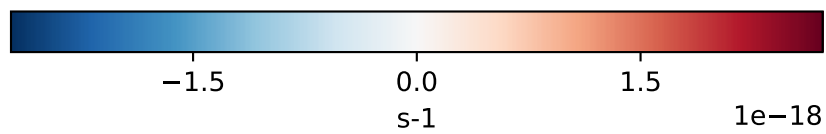
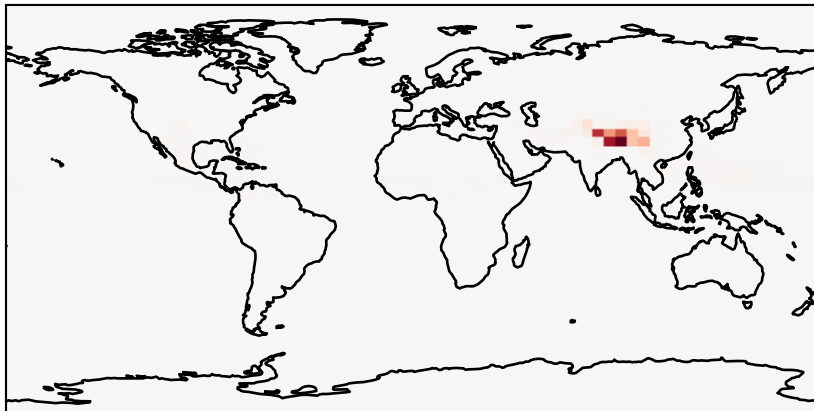
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



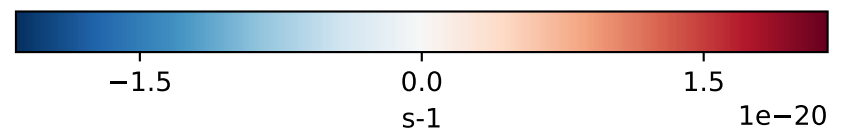
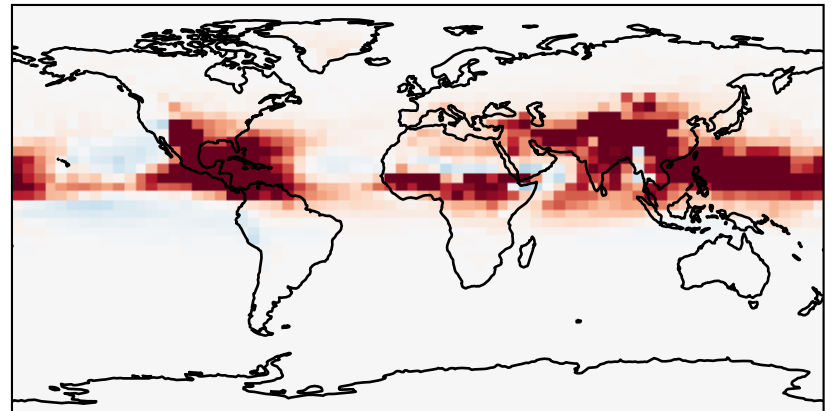
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



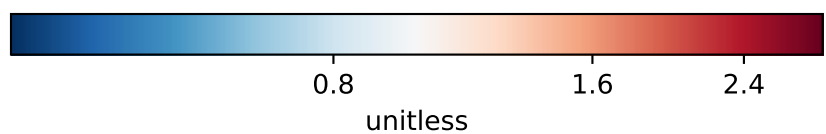
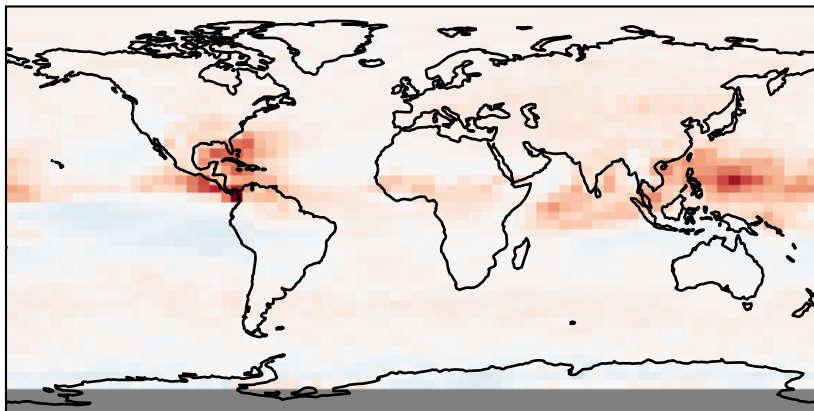
Difference  
Dev - Ref, Dynamic Range



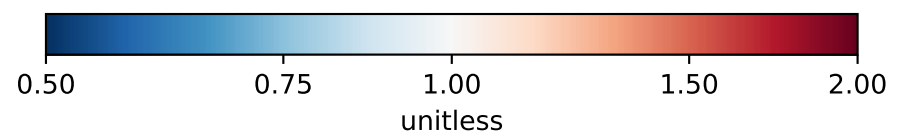
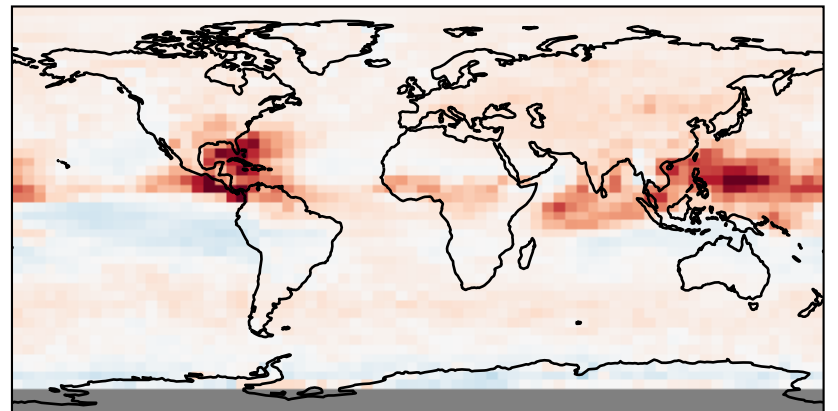
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

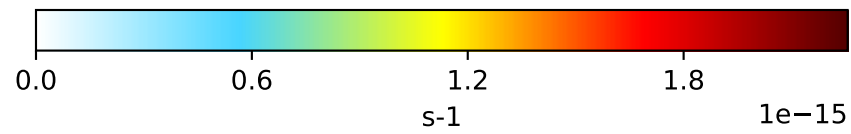


Ratio  
Dev/Ref, Fixed Range

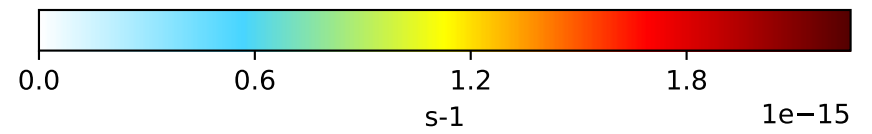
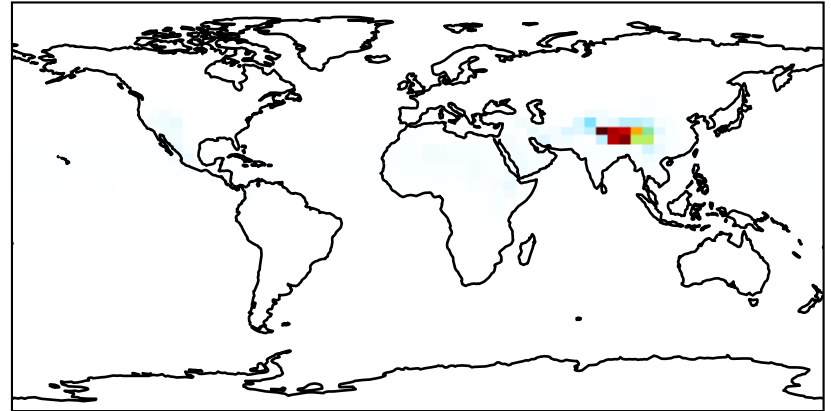


# Jval\_CFC12

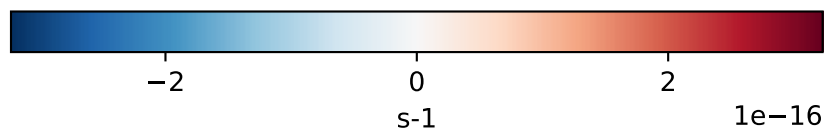
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



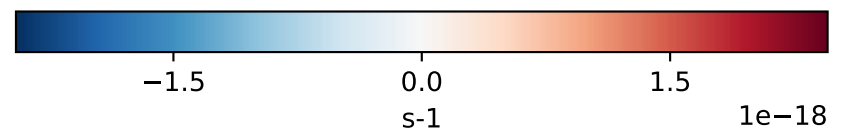
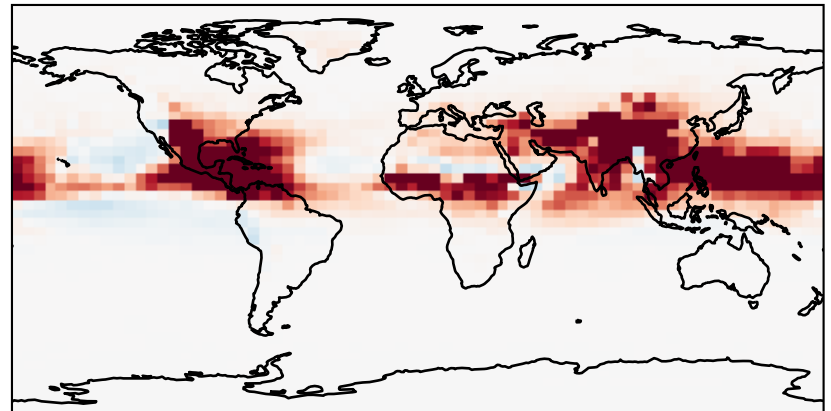
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



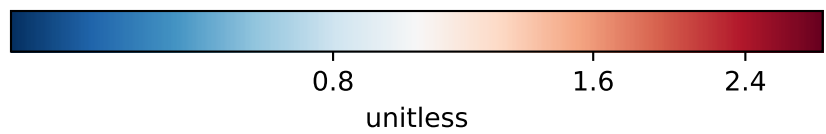
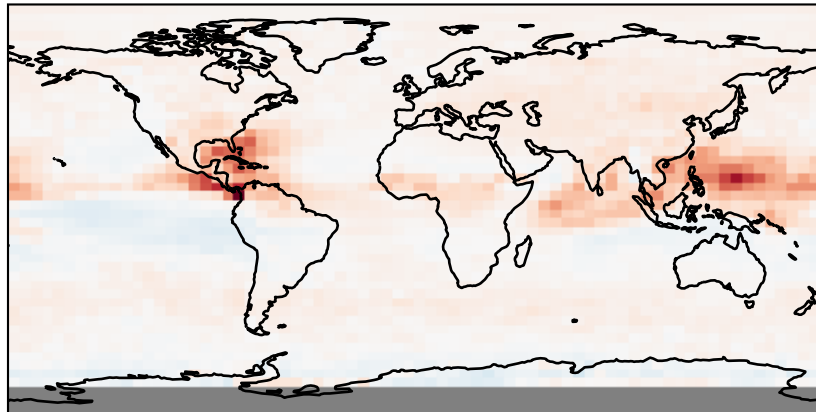
Difference  
Dev - Ref, Dynamic Range



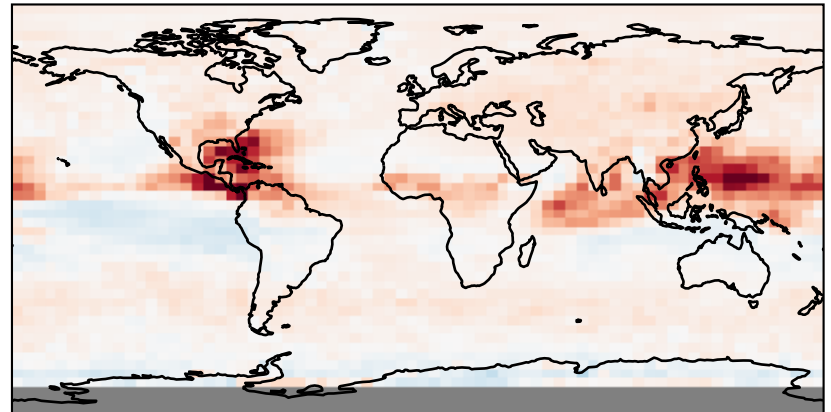
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

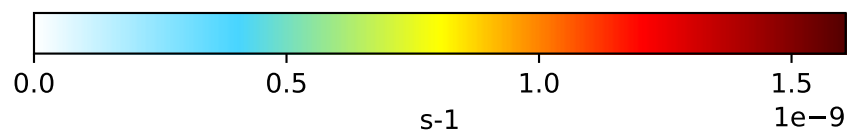
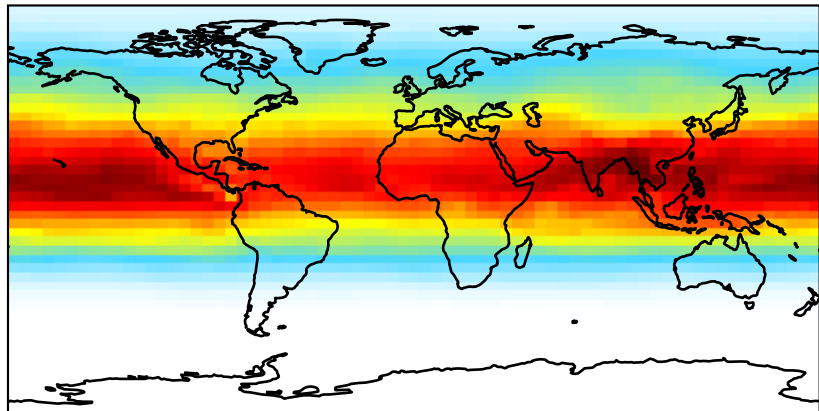


Ratio  
Dev/Ref, Fixed Range

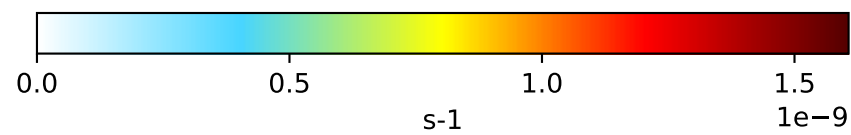
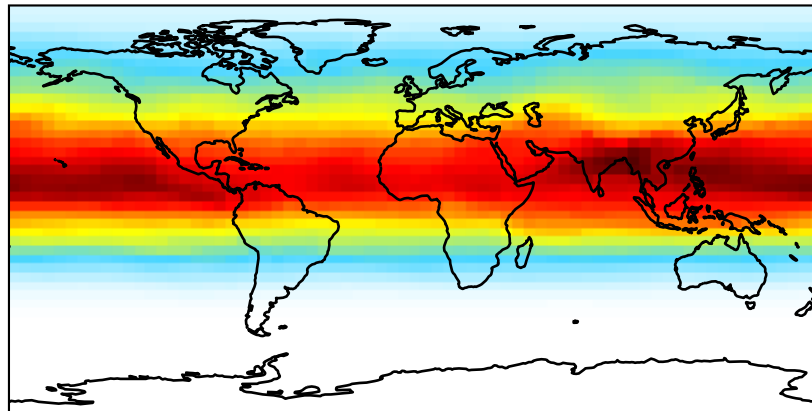


# Jval\_CH2Br2

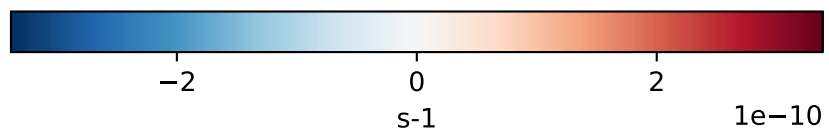
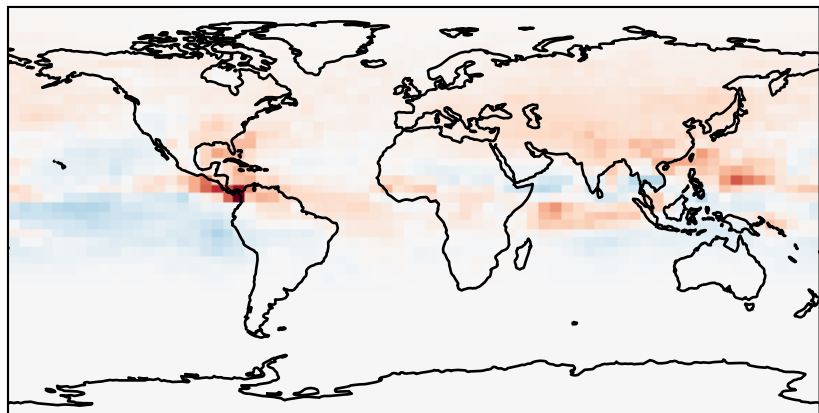
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



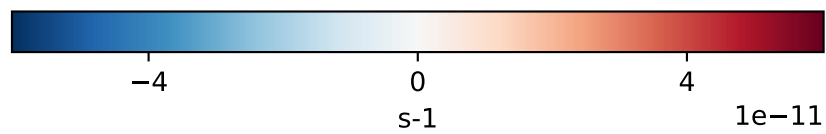
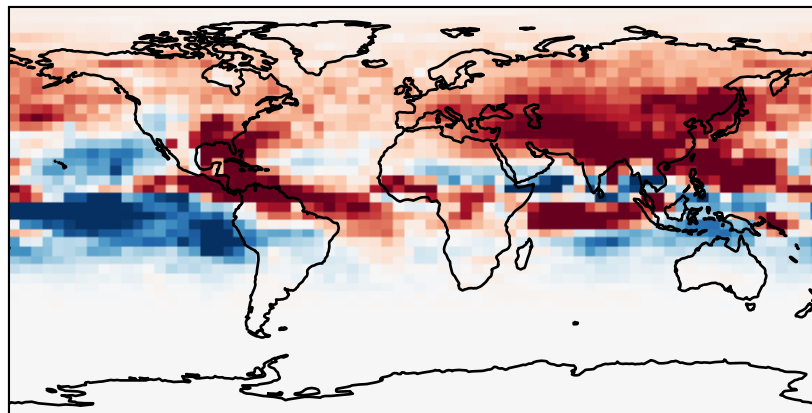
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



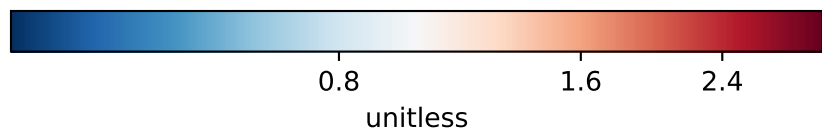
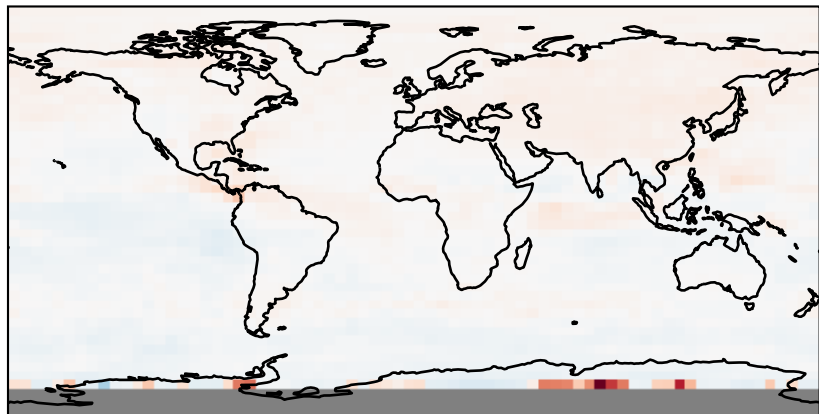
Difference  
Dev - Ref, Dynamic Range



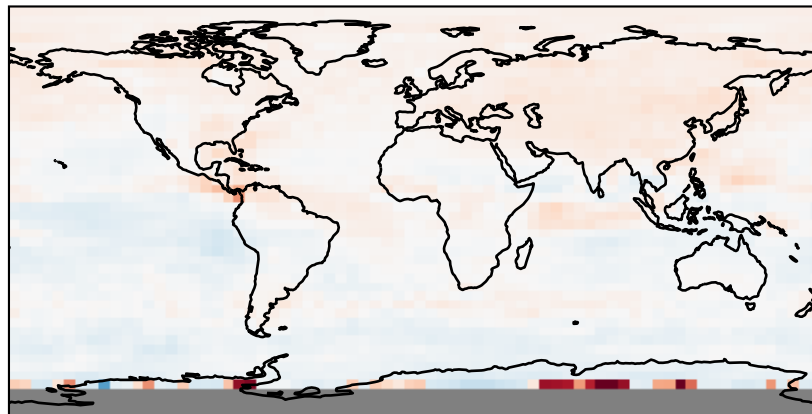
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

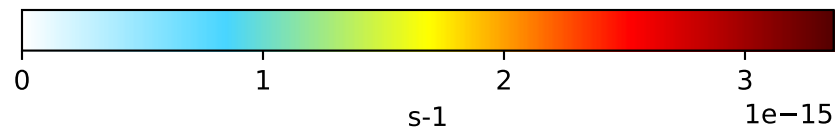
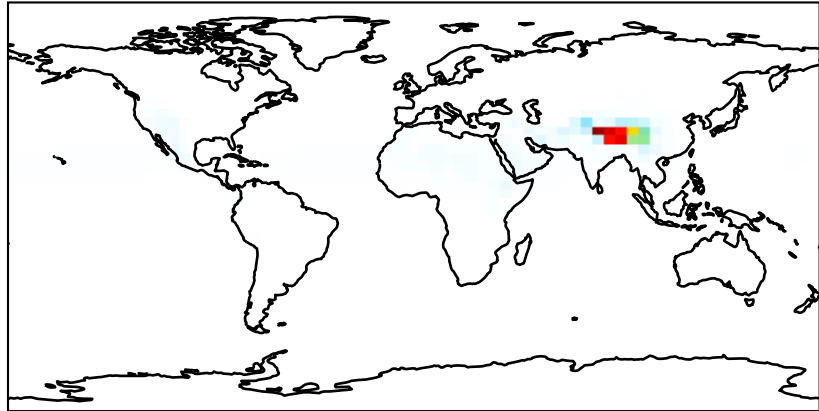


Ratio  
Dev/Ref, Fixed Range

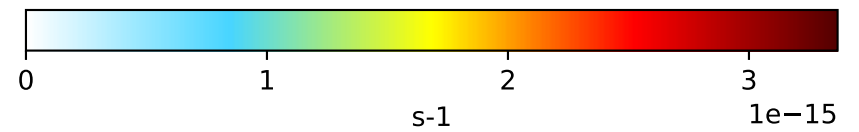
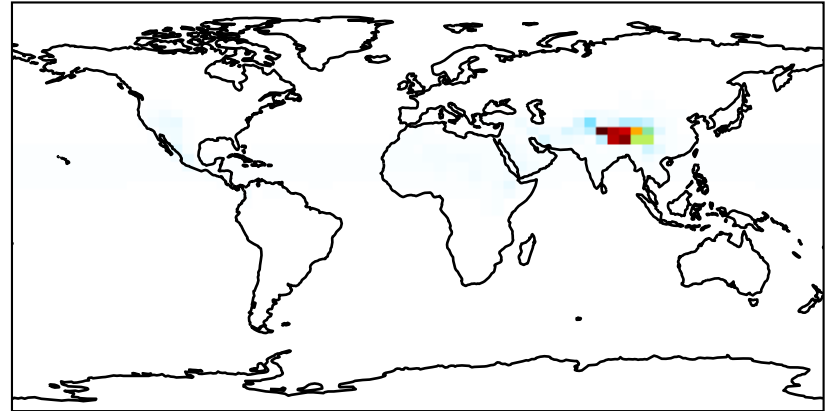


# Jval\_CH2Cl2

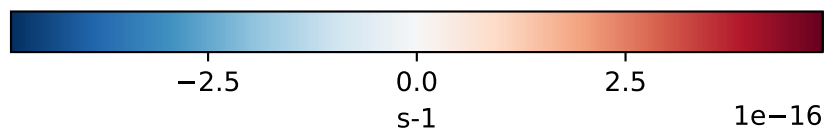
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



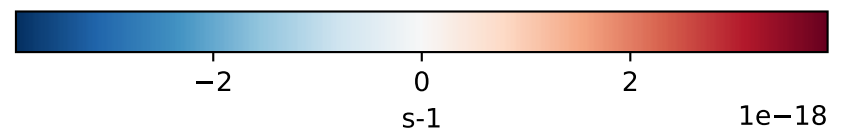
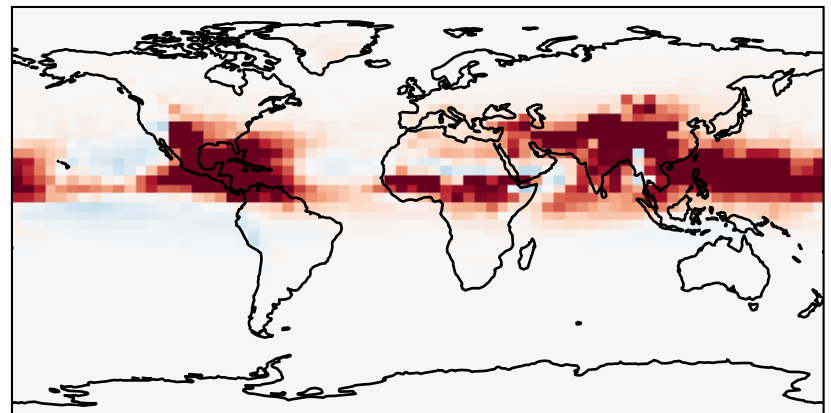
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



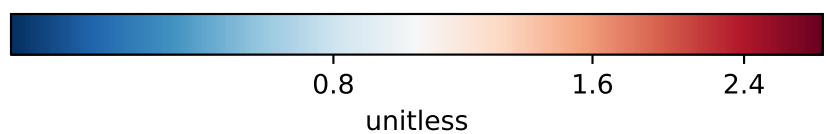
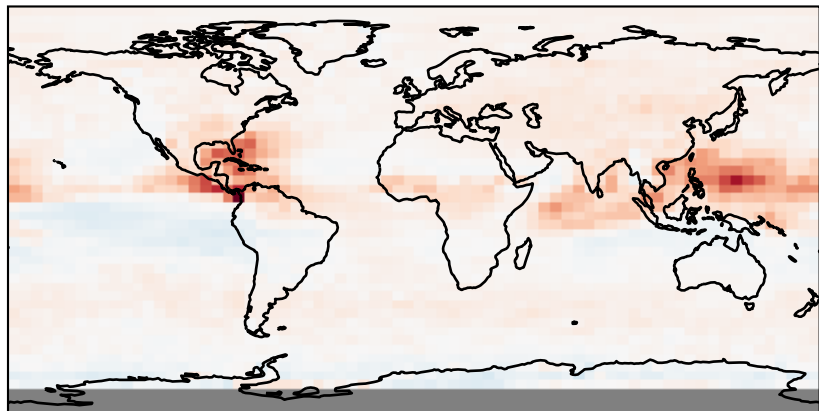
Difference  
Dev - Ref, Dynamic Range



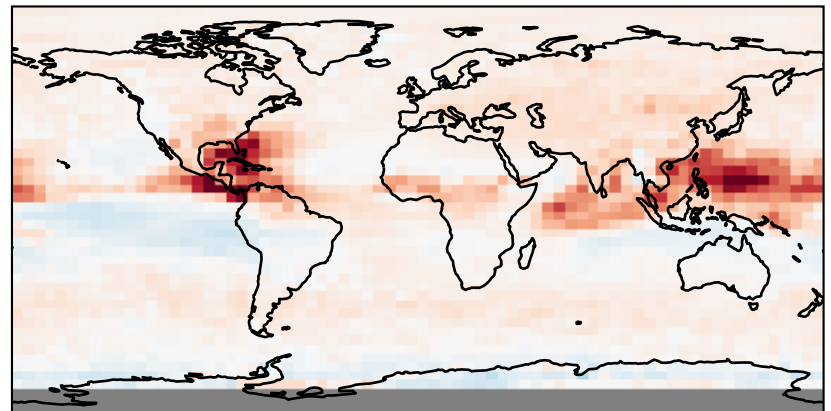
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

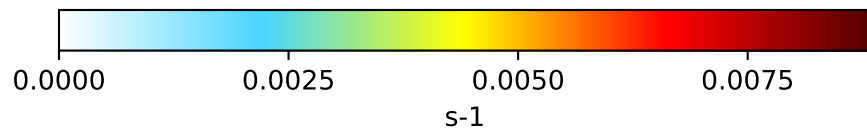
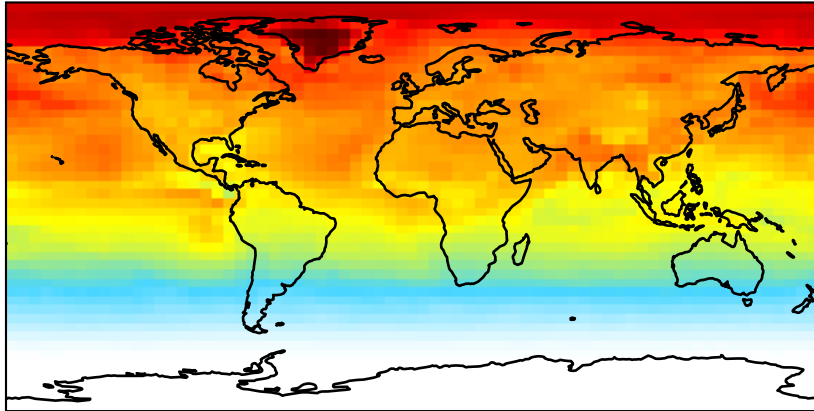


Ratio  
Dev/Ref, Fixed Range

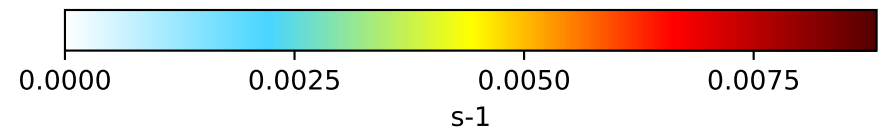
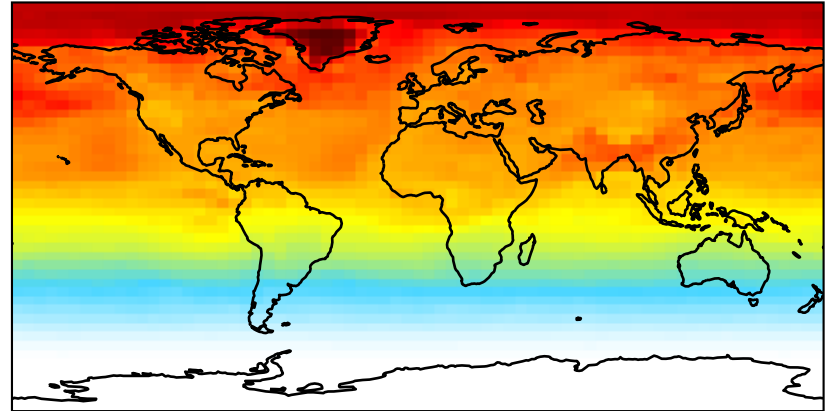


# Jval\_CH2I2

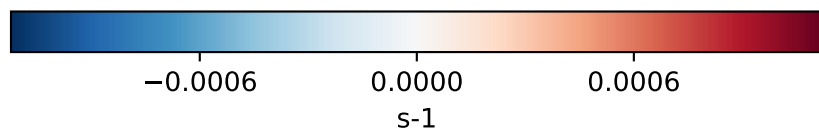
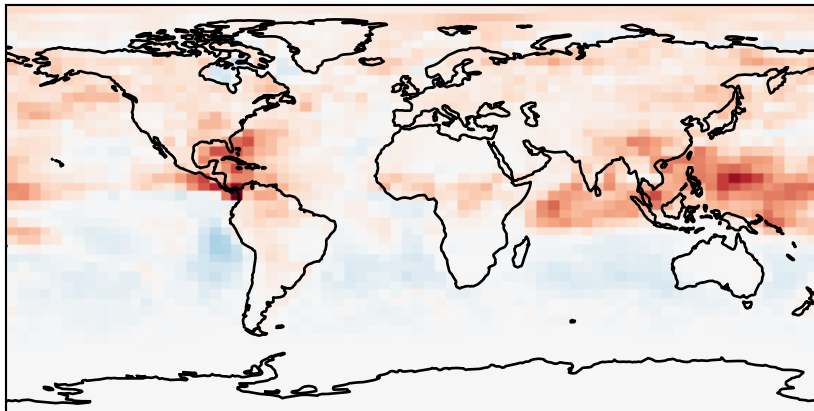
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



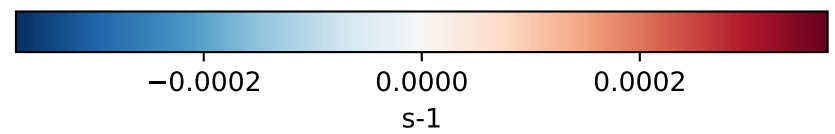
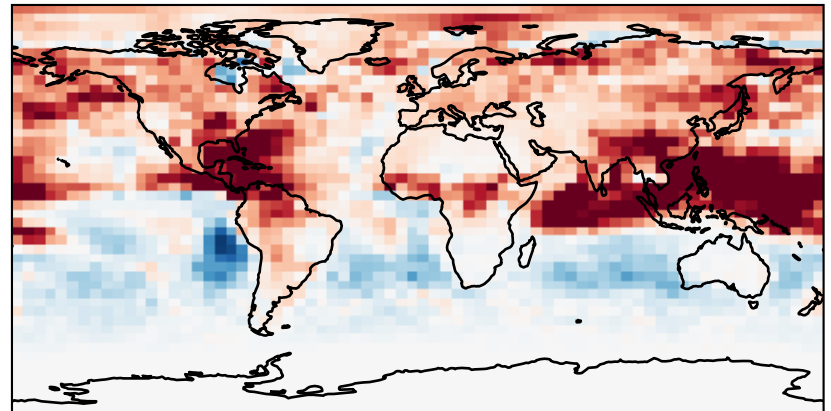
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



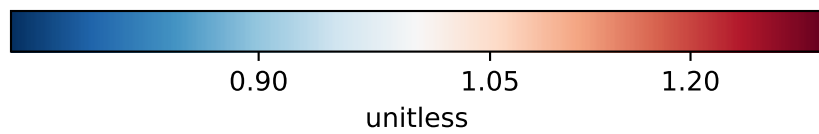
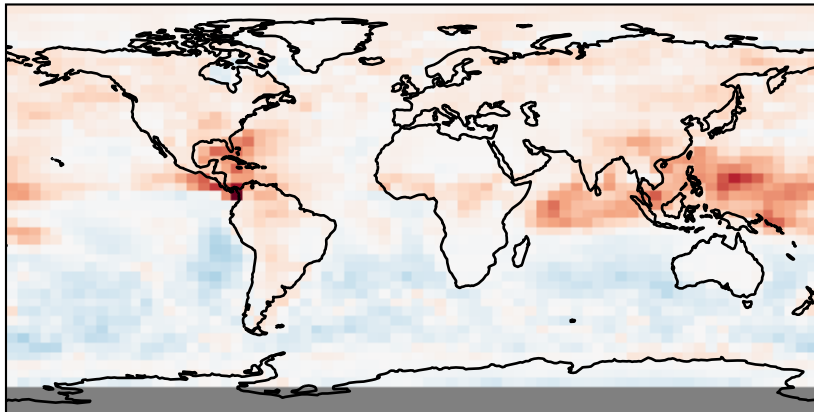
Difference  
Dev - Ref, Dynamic Range



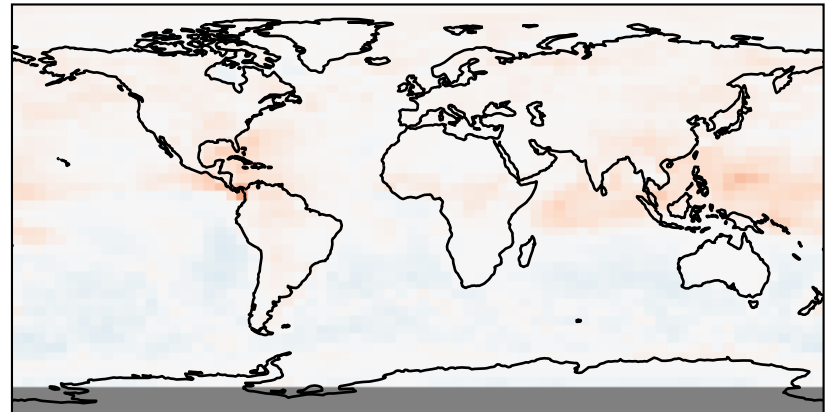
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

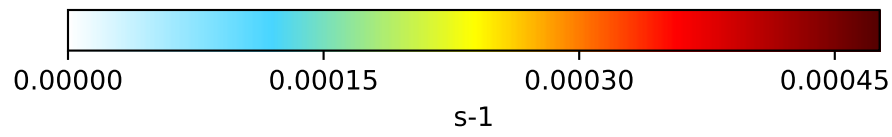
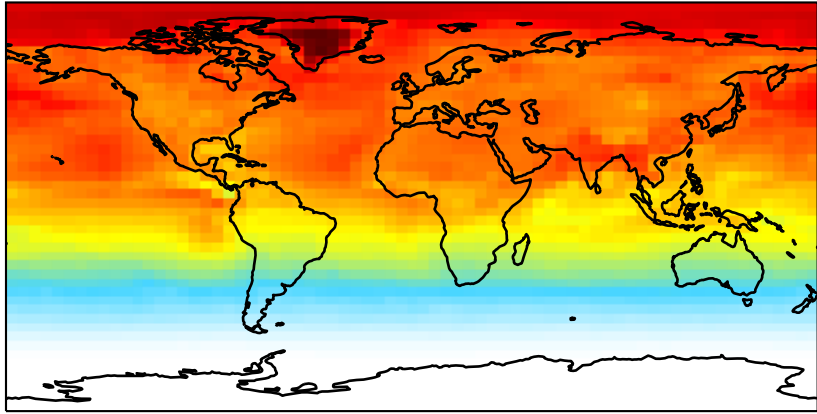


Ratio  
Dev/Ref, Fixed Range

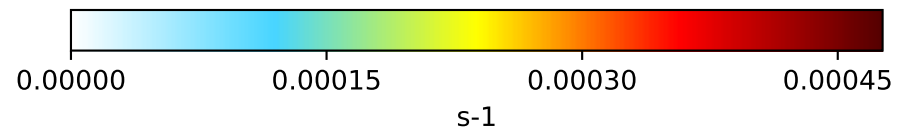
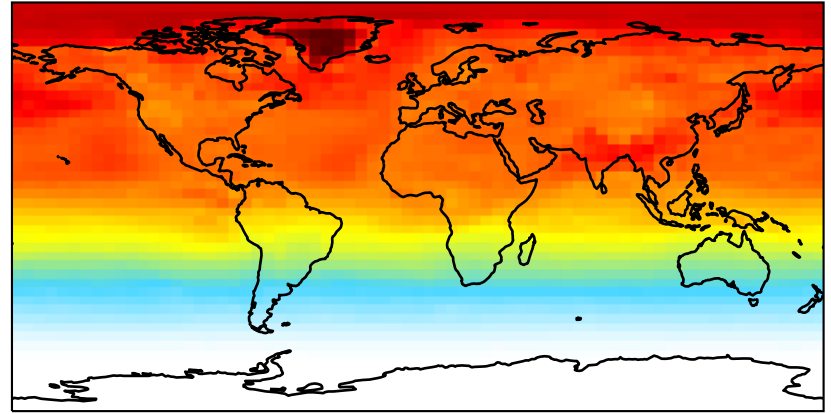


# Jval\_CH2IBr

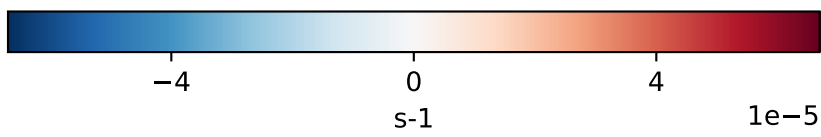
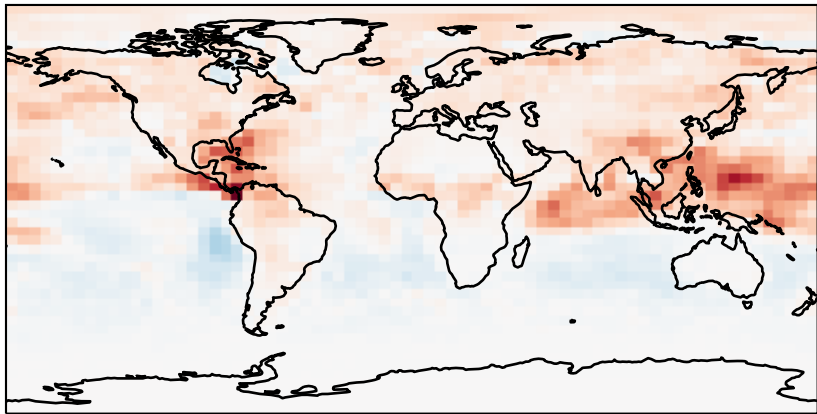
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



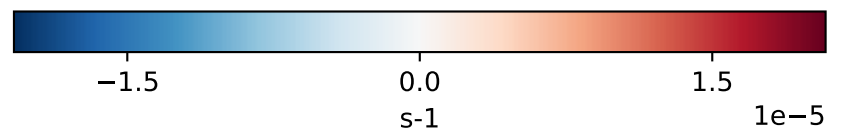
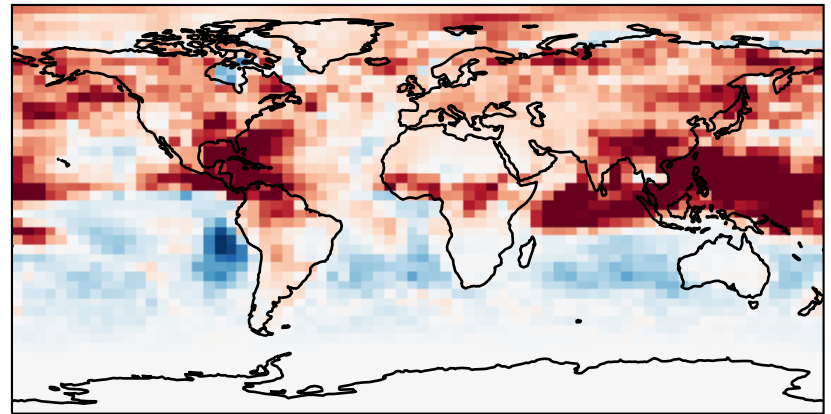
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



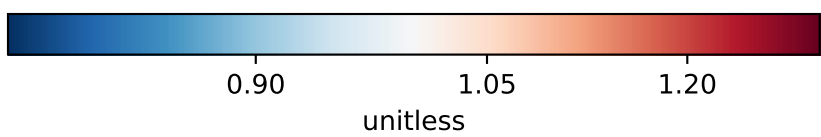
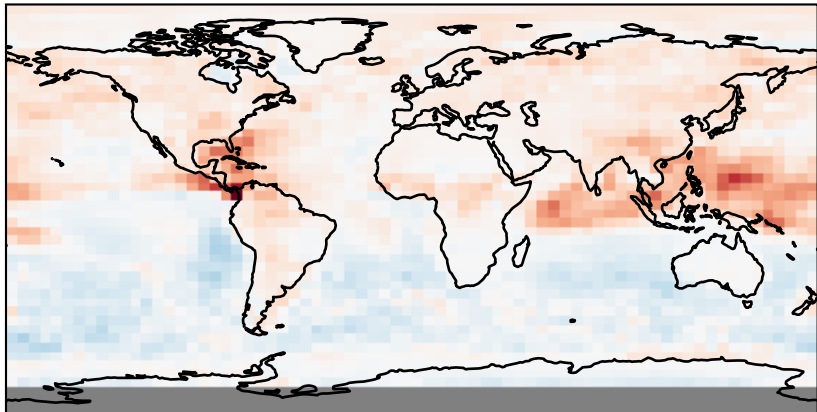
Difference  
Dev - Ref, Dynamic Range



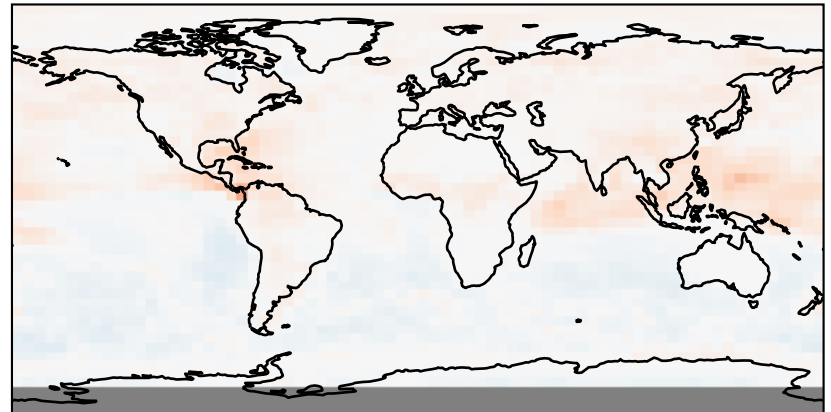
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

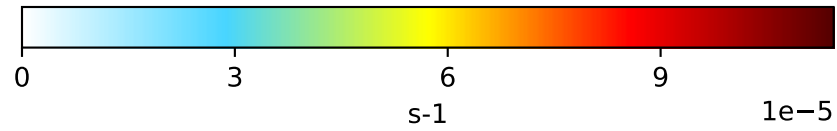
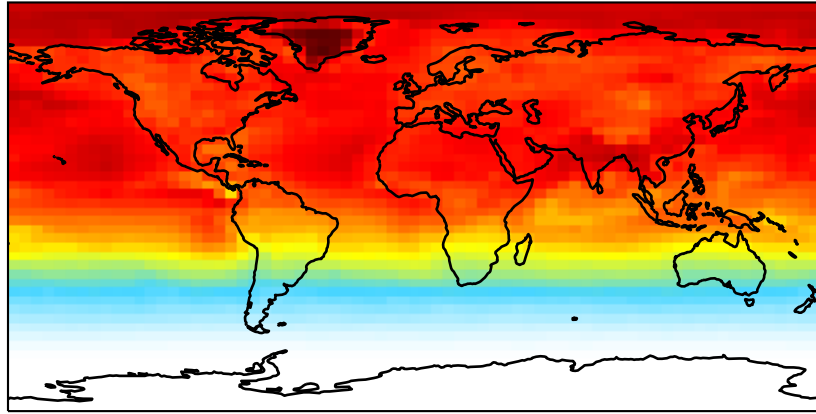


Ratio  
Dev/Ref, Fixed Range

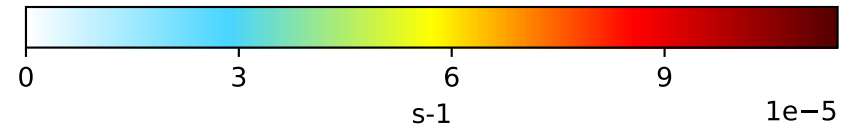
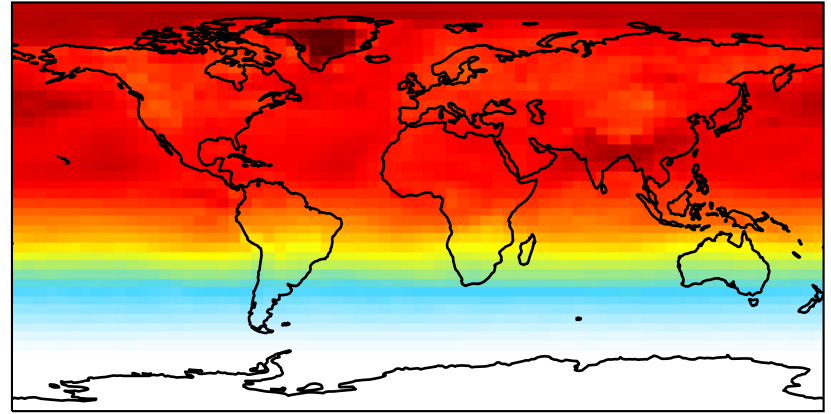


# Jval\_CH2ICI

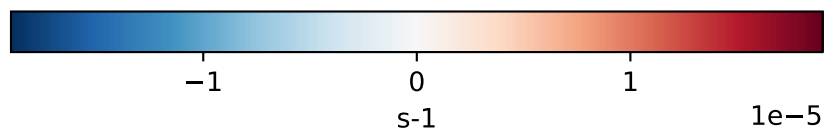
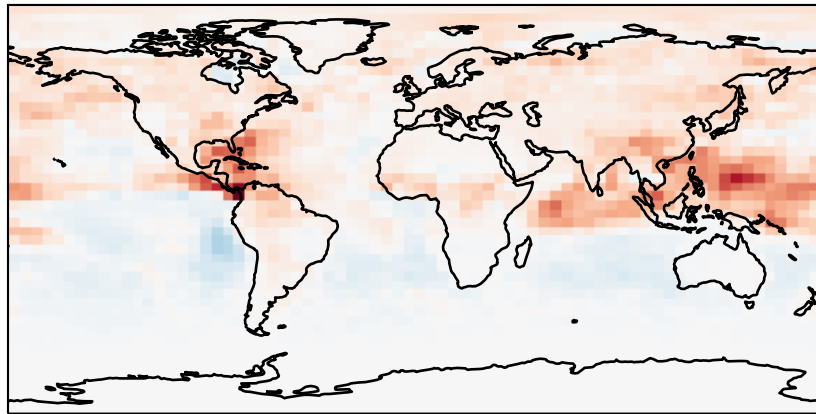
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



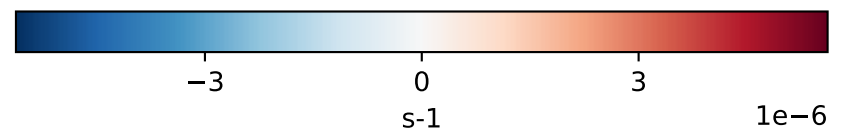
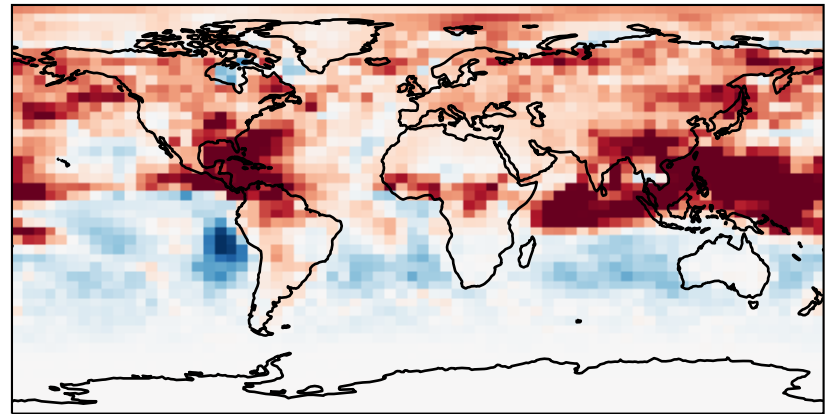
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



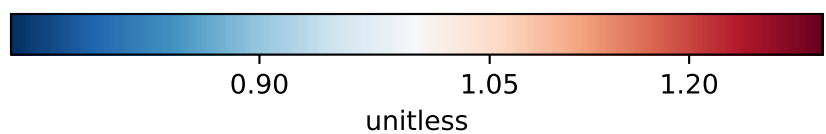
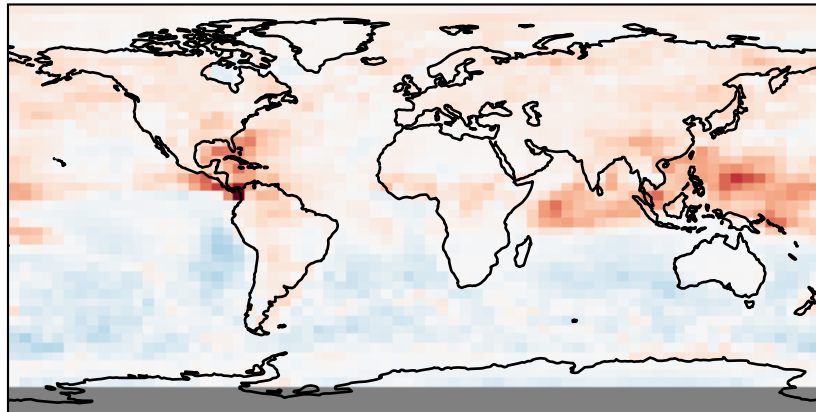
Difference  
Dev - Ref, Dynamic Range



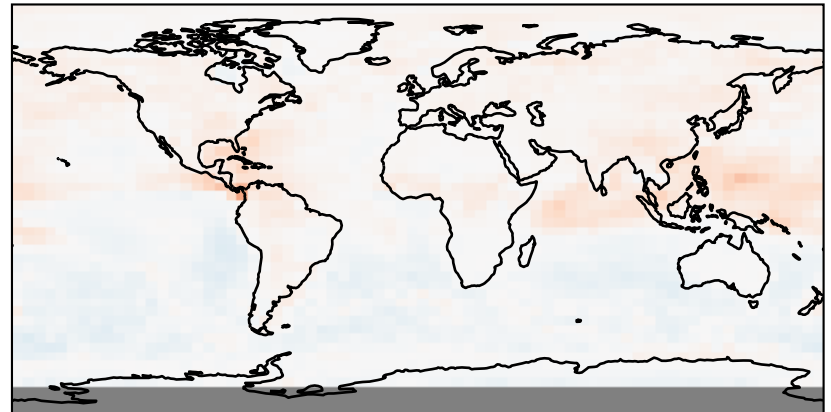
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



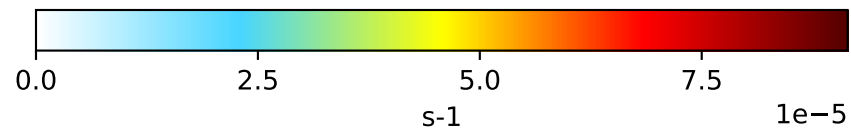
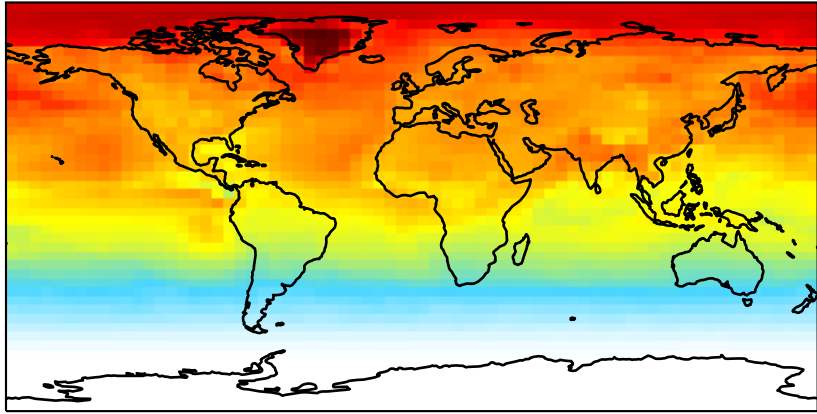
Ratio  
Dev/Ref, Fixed Range



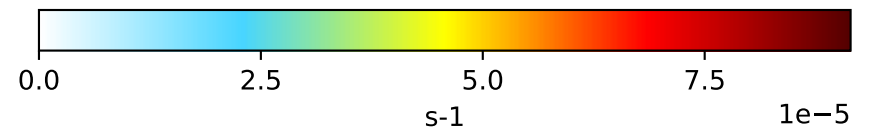
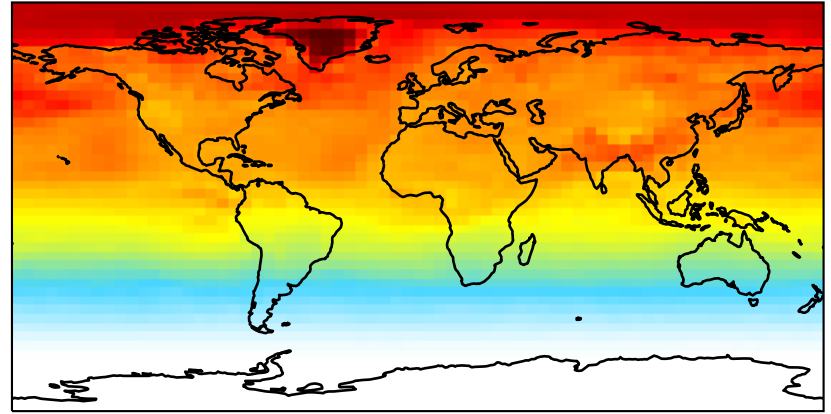


# Jval\_CH20

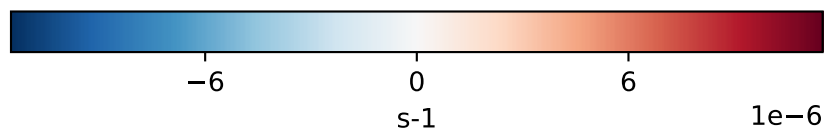
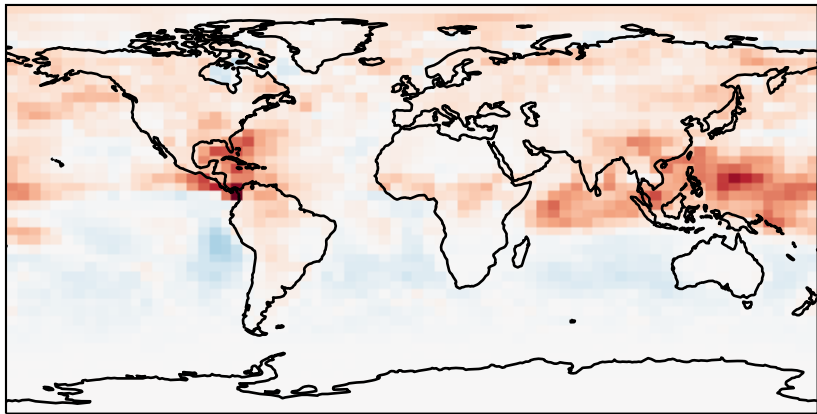
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



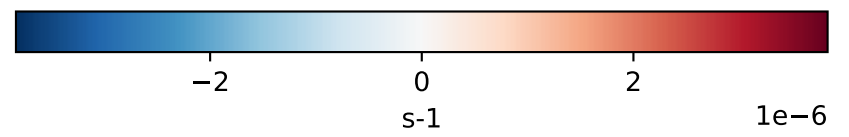
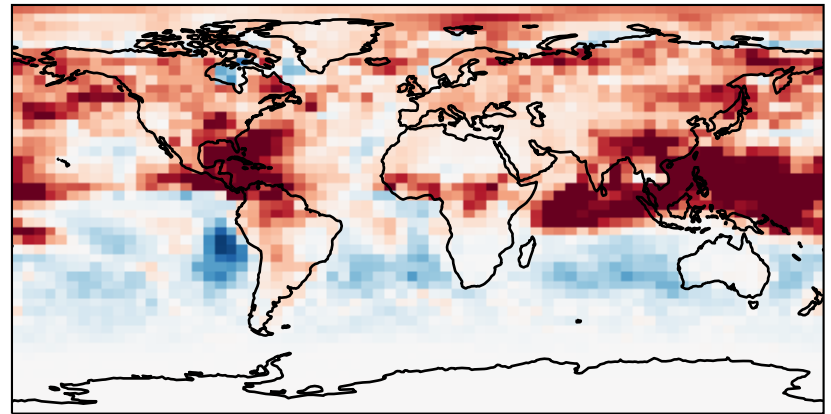
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



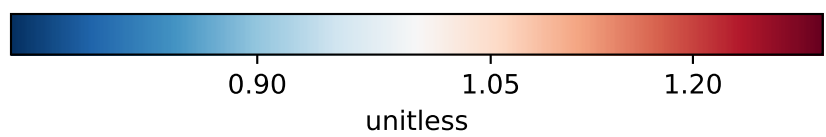
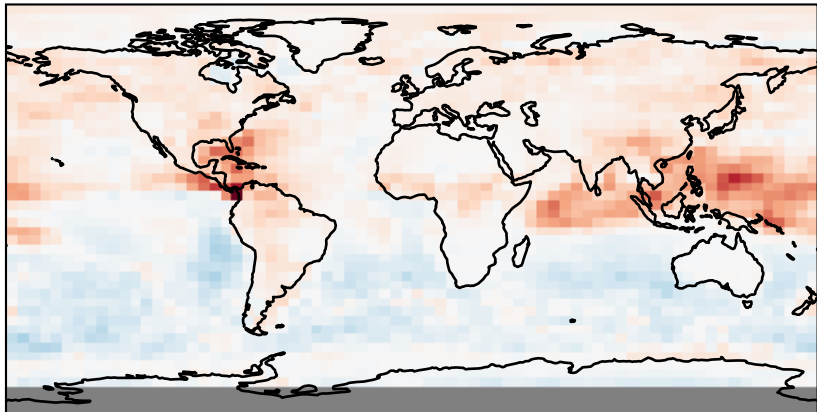
Difference  
Dev - Ref, Dynamic Range



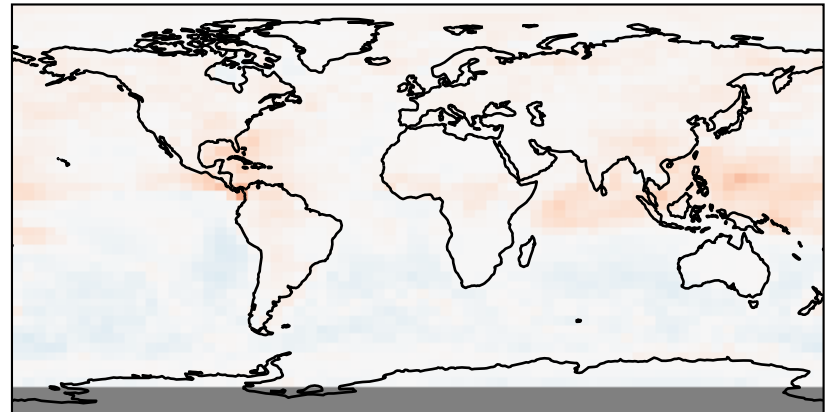
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

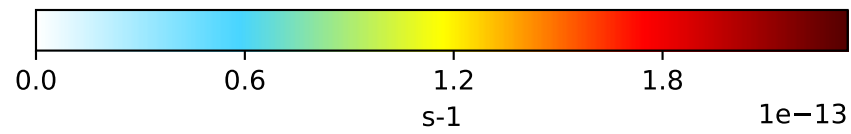
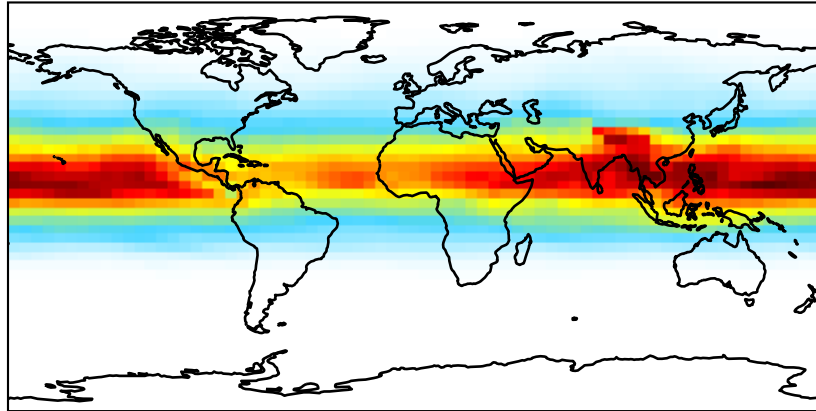


Ratio  
Dev/Ref, Fixed Range

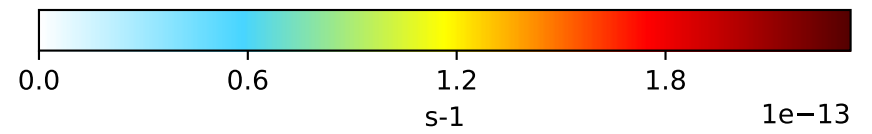
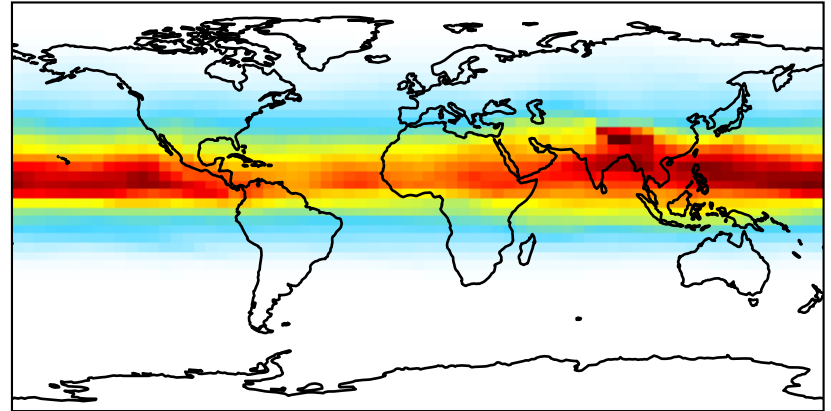


# Jval\_CH3Br

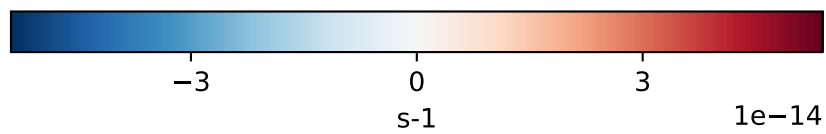
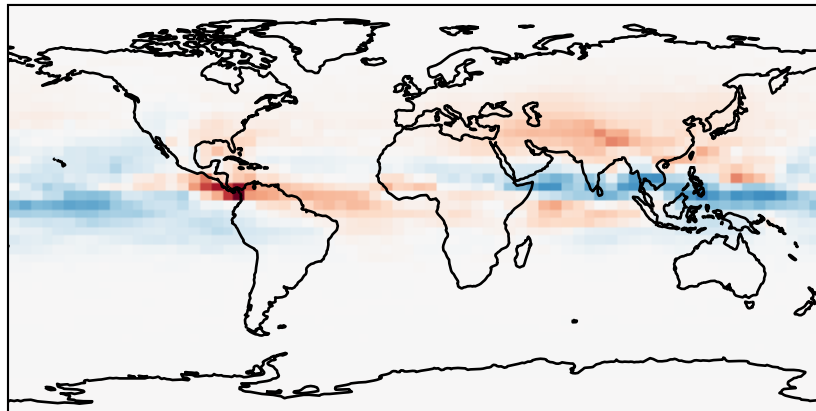
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



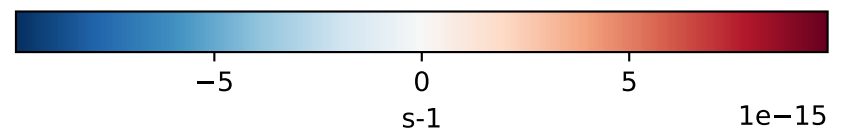
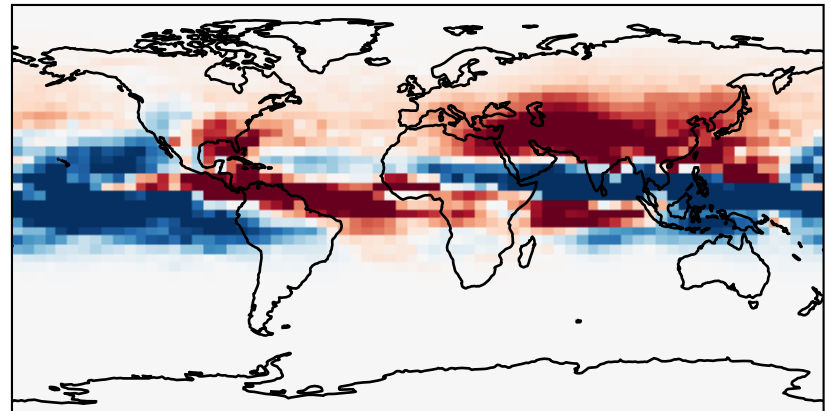
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



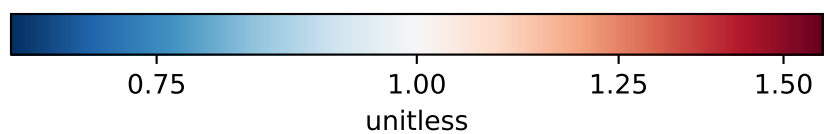
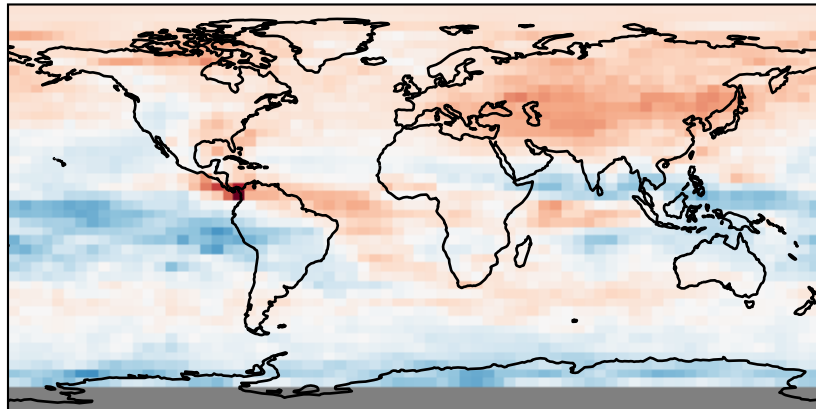
Difference  
Dev - Ref, Dynamic Range



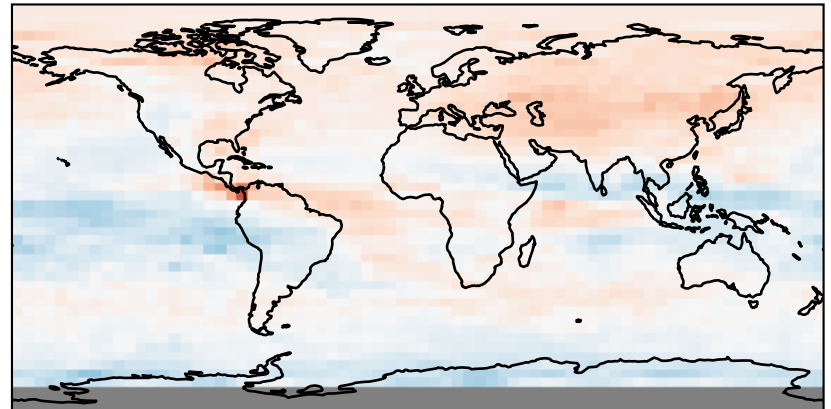
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

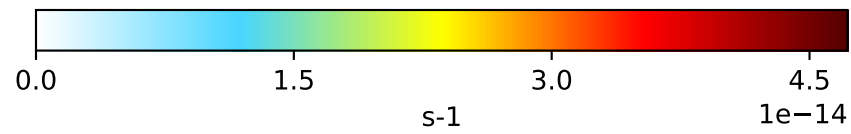
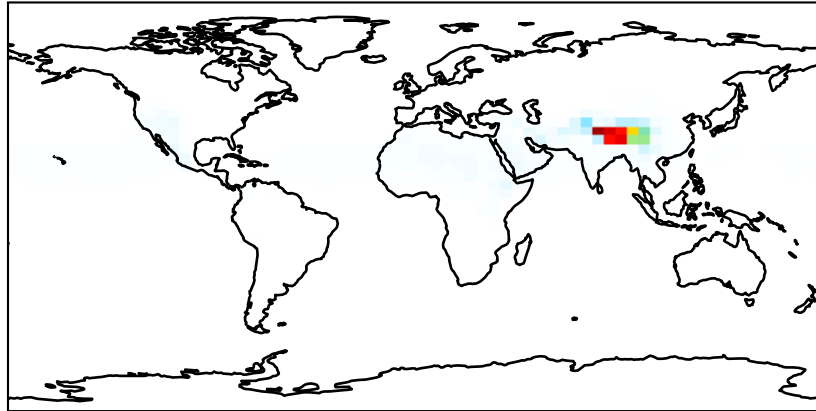


Ratio  
Dev/Ref, Fixed Range

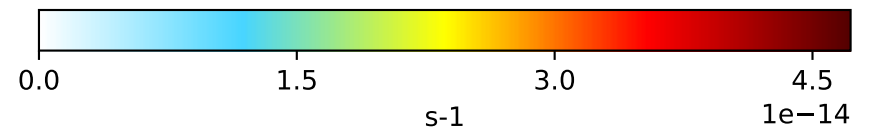
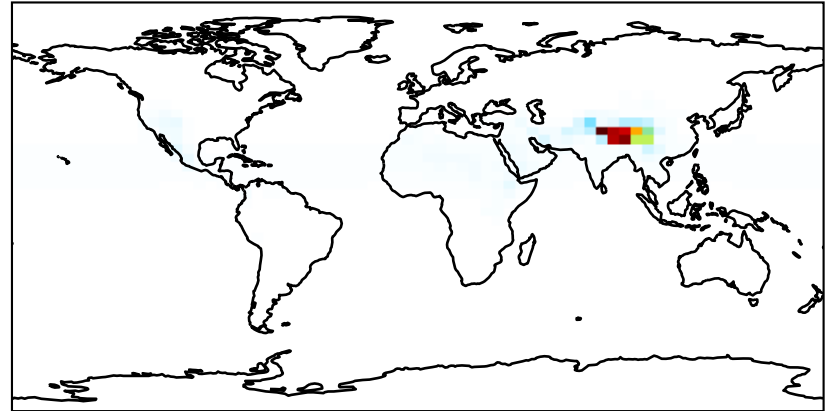


# Jval\_CH3CCI3

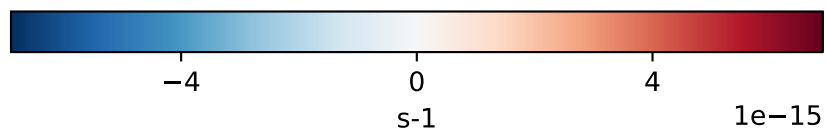
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



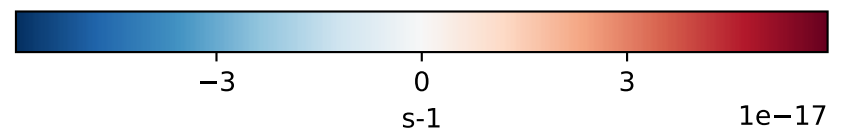
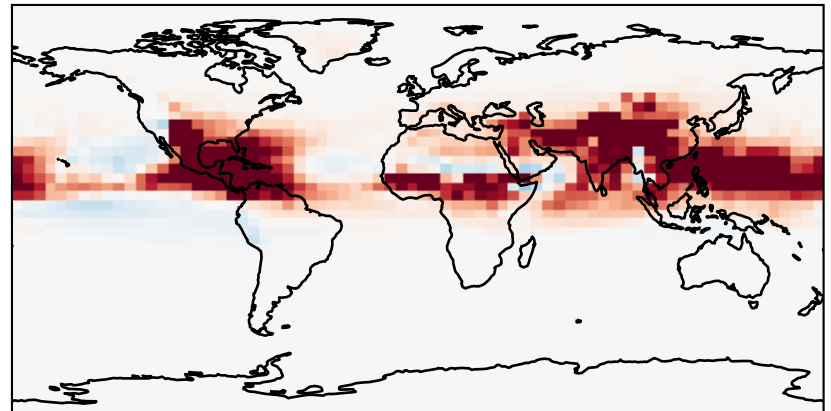
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



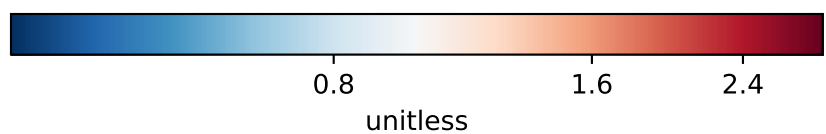
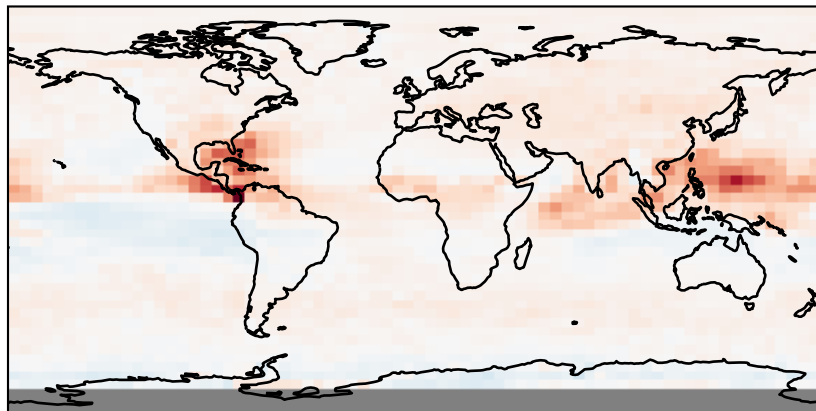
Difference  
Dev - Ref, Dynamic Range



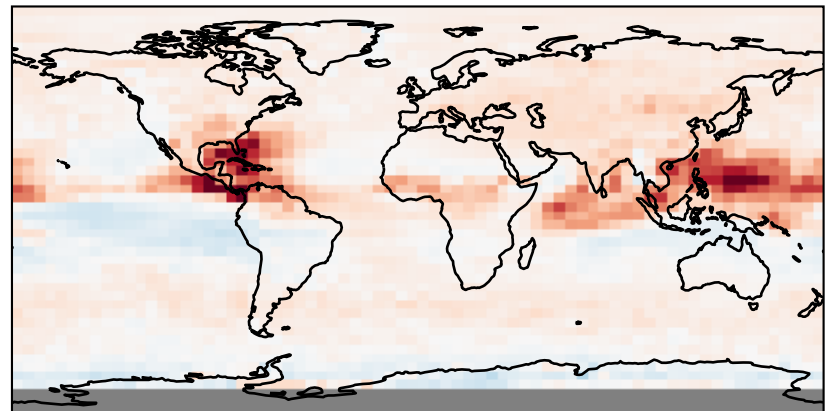
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

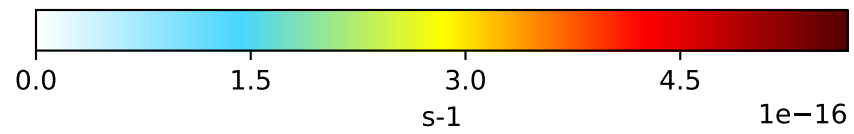
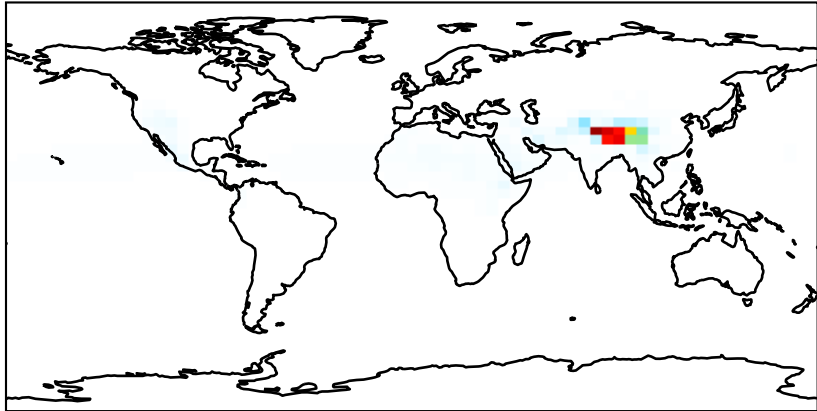


Ratio  
Dev/Ref, Fixed Range

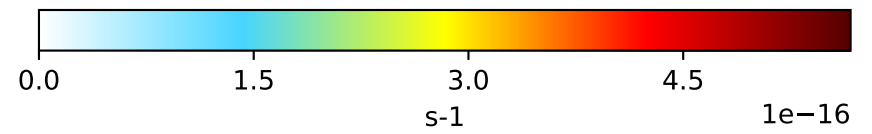
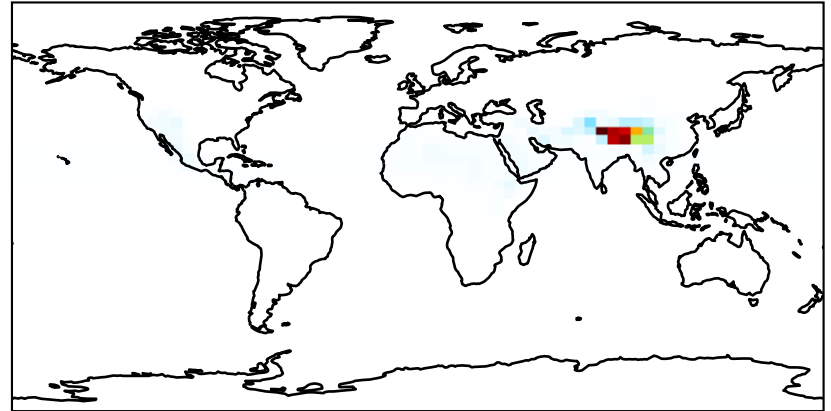


# Jval\_CH3CI

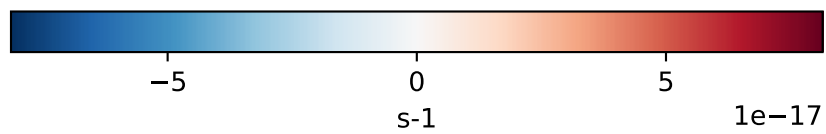
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



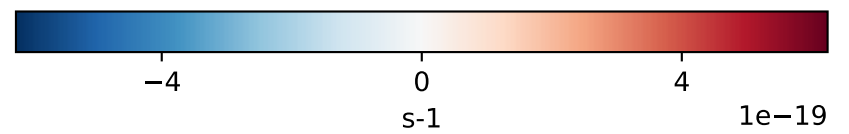
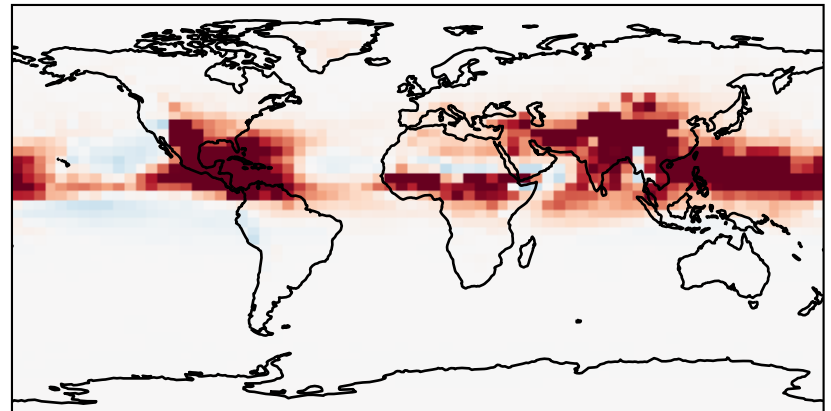
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



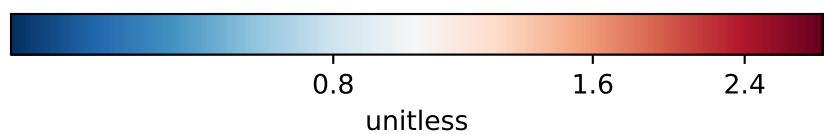
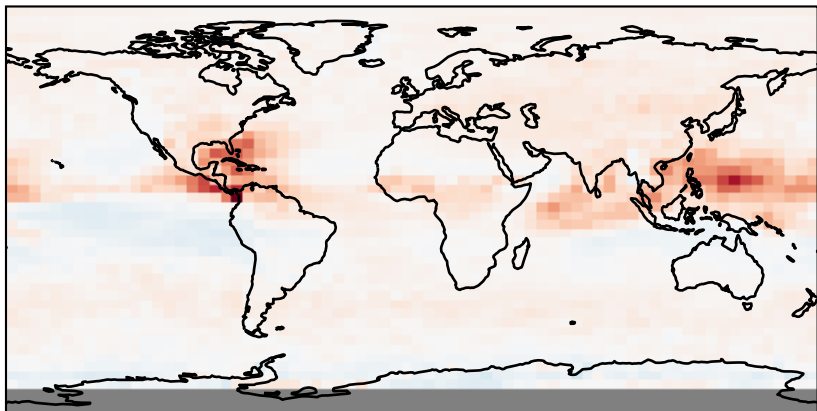
Difference  
Dev - Ref, Dynamic Range



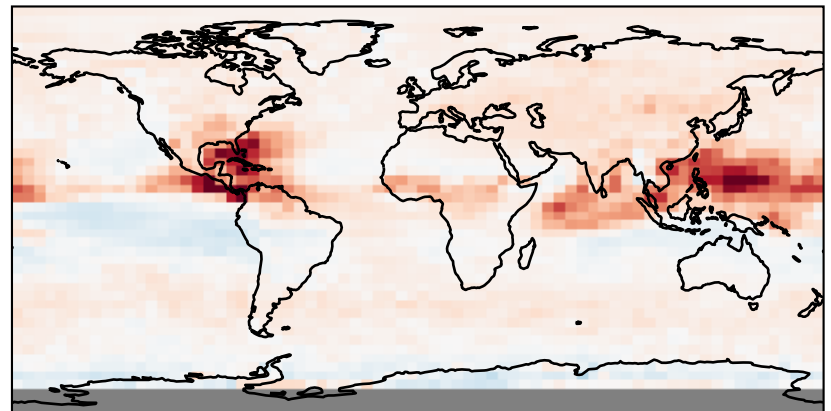
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

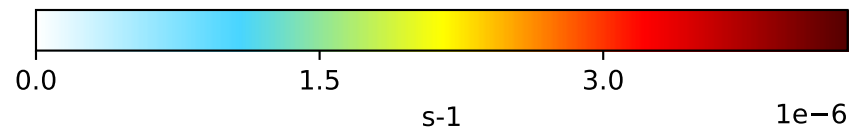
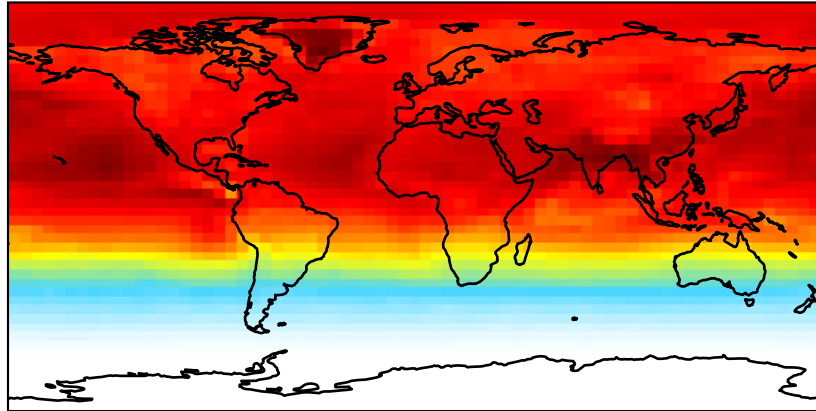


Ratio  
Dev/Ref, Fixed Range

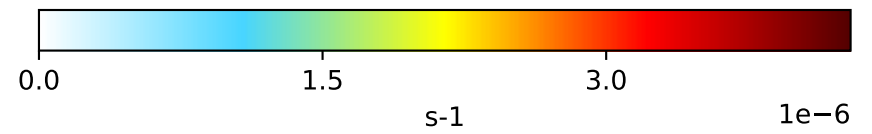
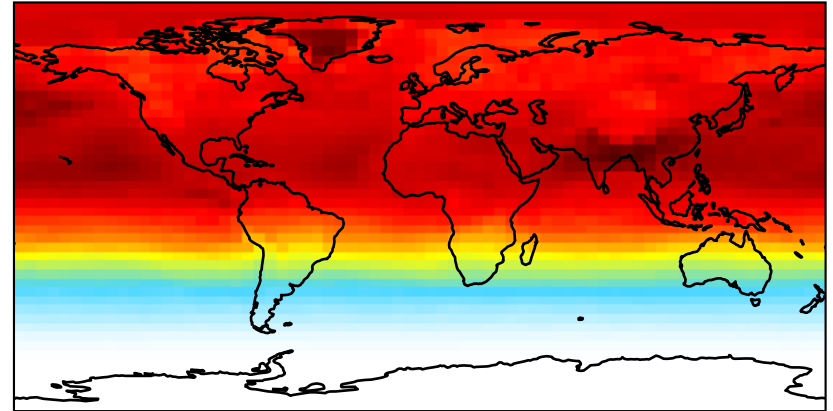


# Jval\_CH3I

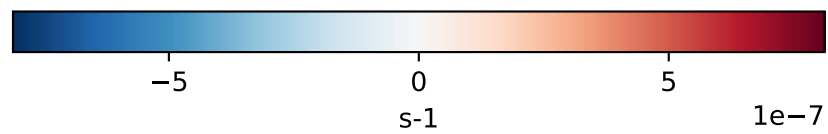
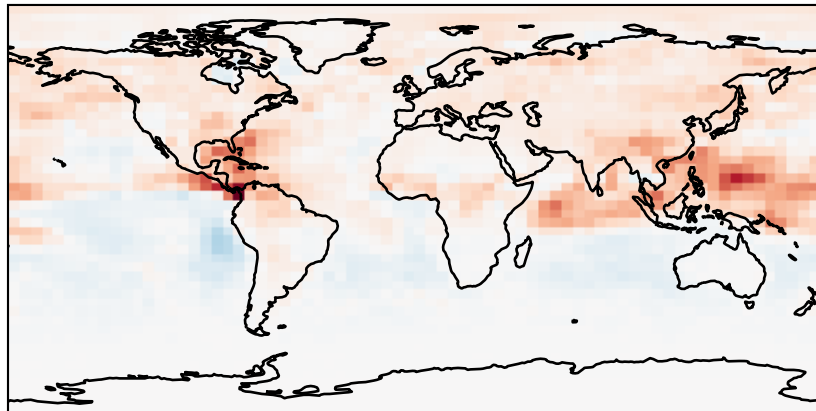
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



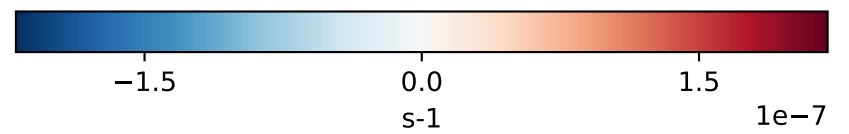
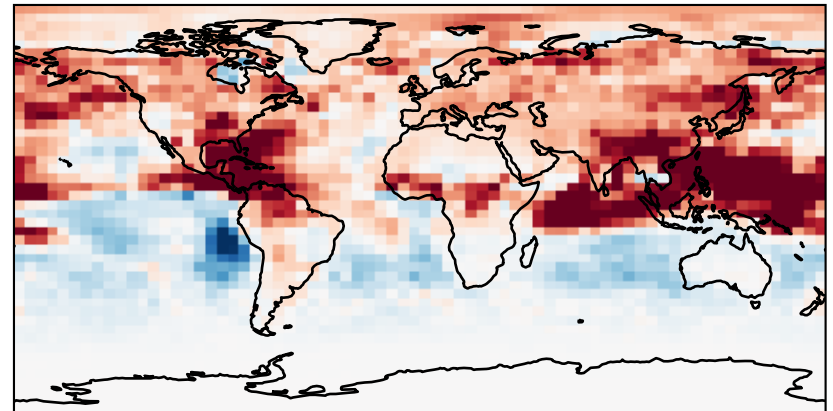
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



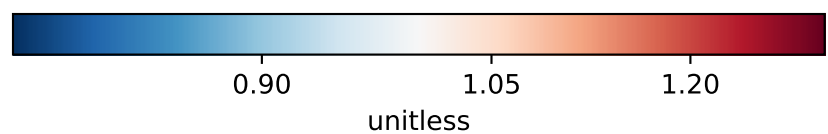
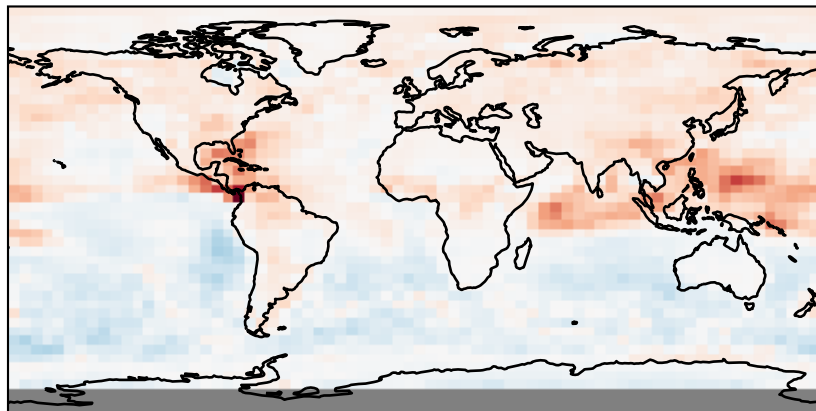
Difference  
Dev - Ref, Dynamic Range



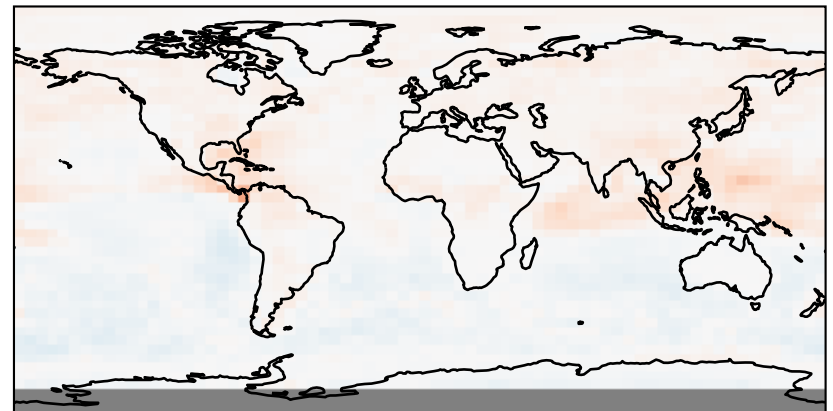
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

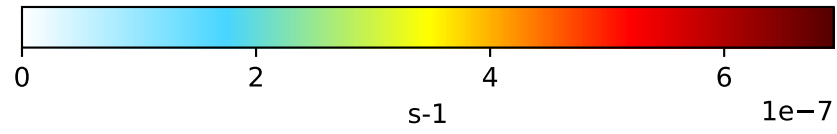
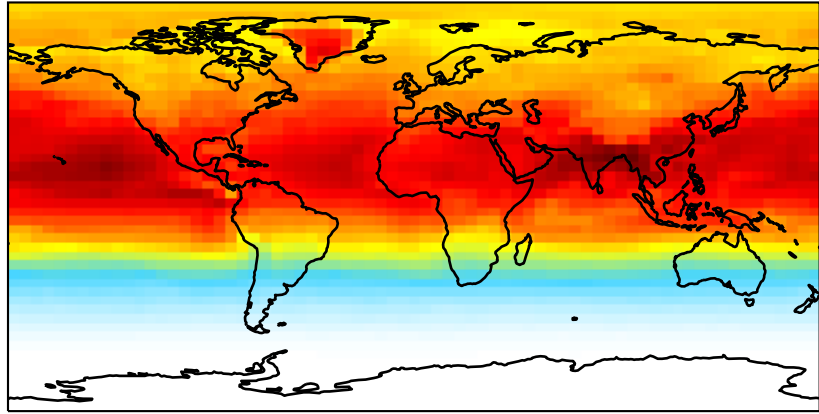


Ratio  
Dev/Ref, Fixed Range

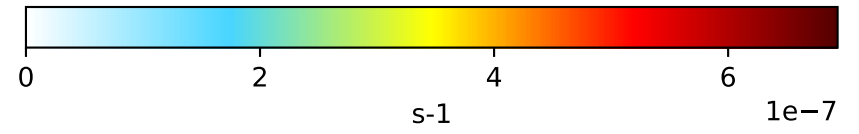
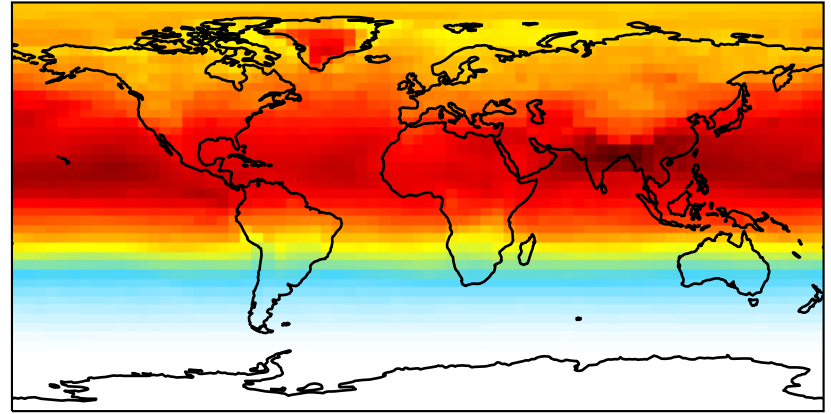


# Jval\_CHBr3

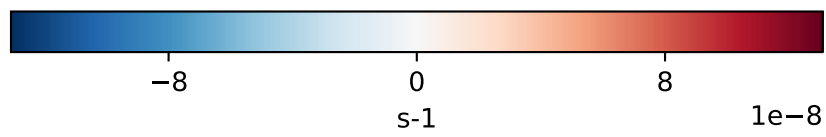
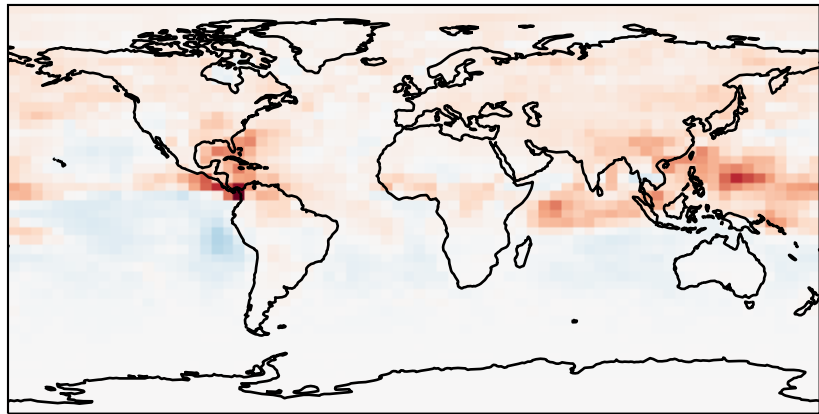
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



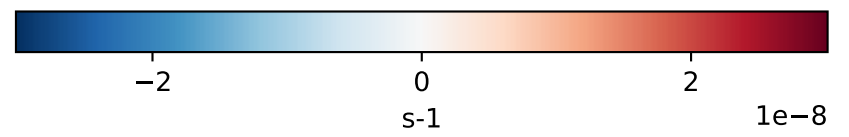
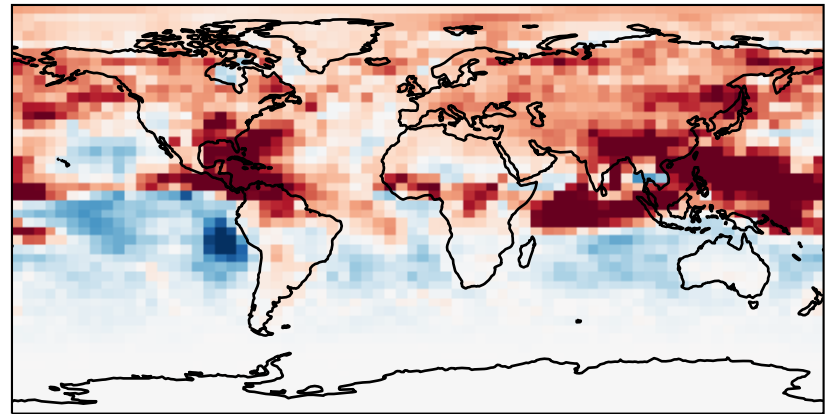
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



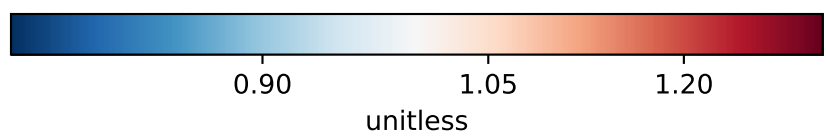
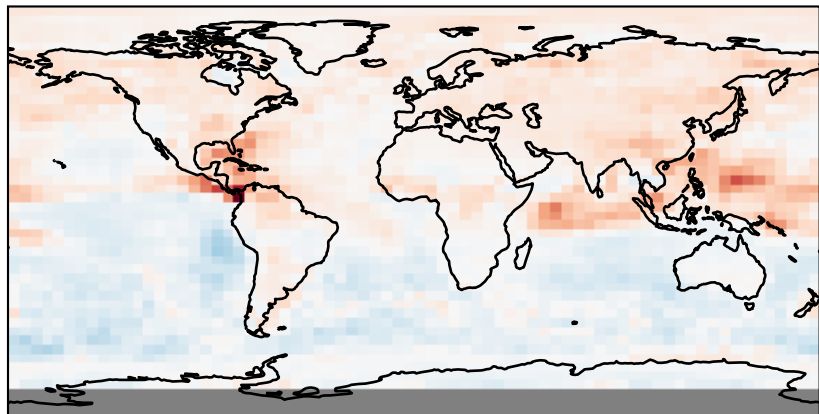
Difference  
Dev - Ref, Dynamic Range



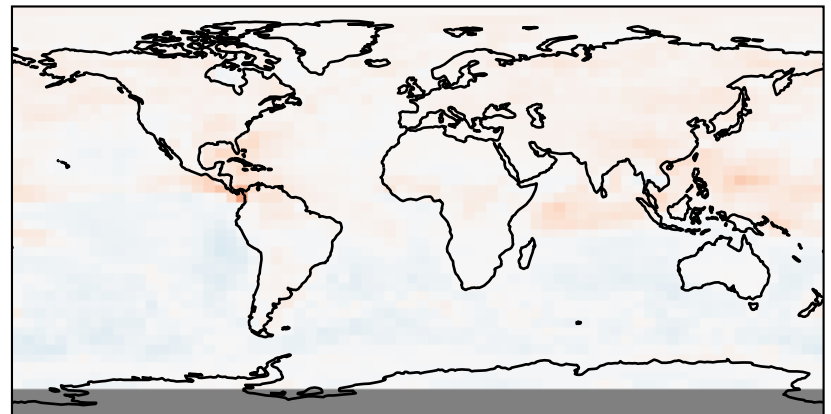
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



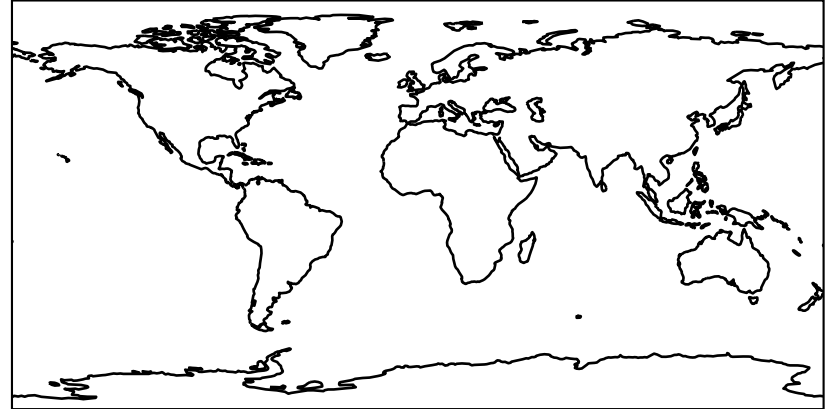
# Jval\_CHCl3

GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



Zero throughout domain  
s-1

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



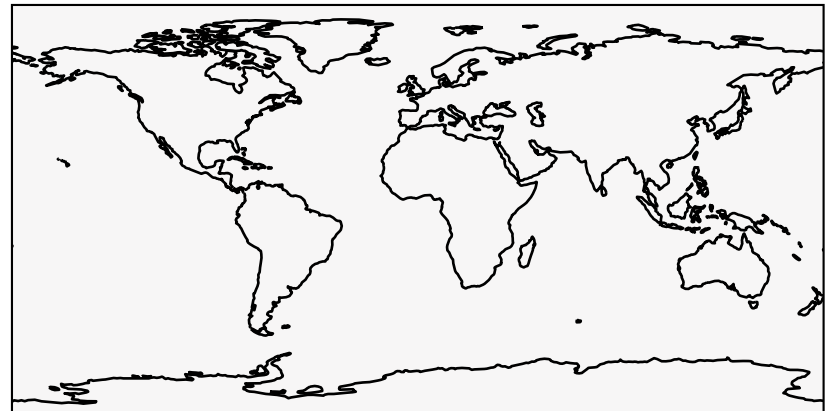
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



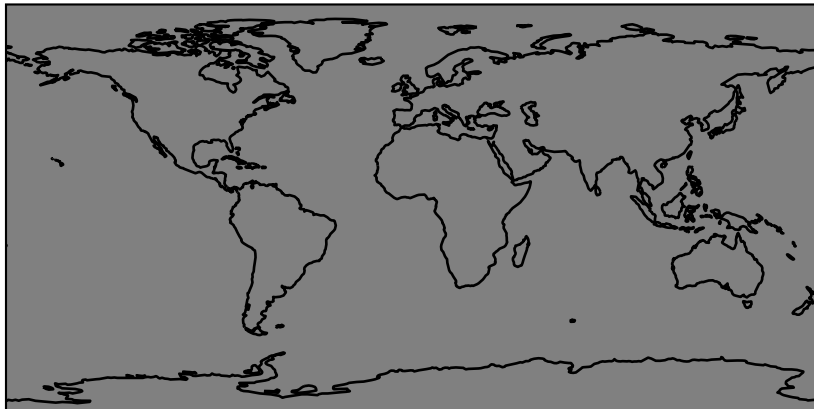
Zero throughout domain  
s-1

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



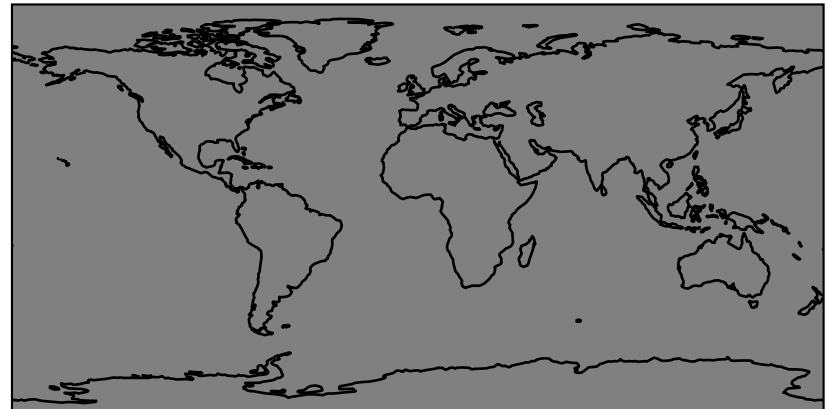
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

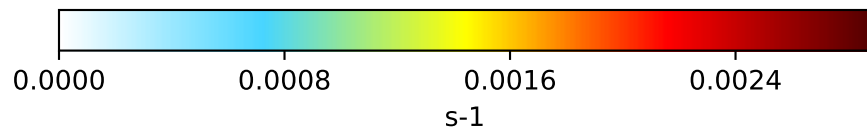
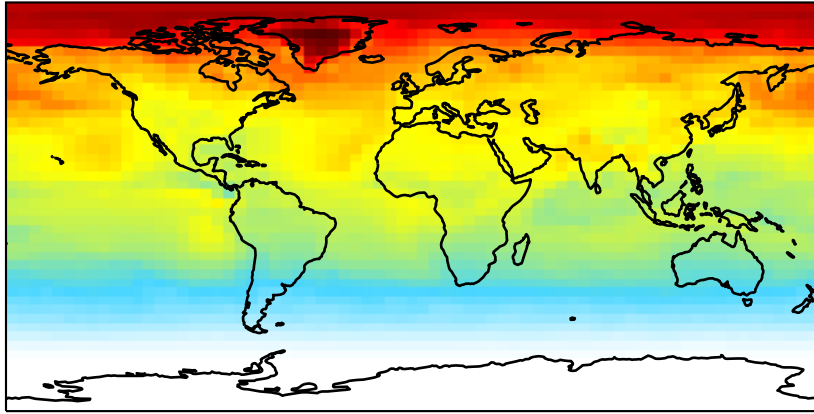
Ratio  
Dev/Ref, Fixed Range



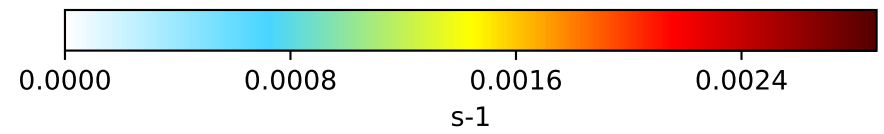
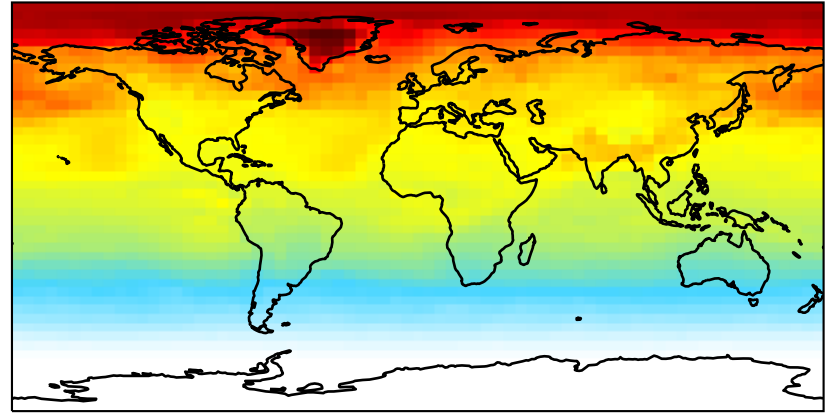
Undefined throughout domain  
unitless

# Jval\_CI2

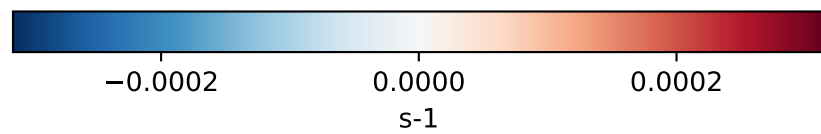
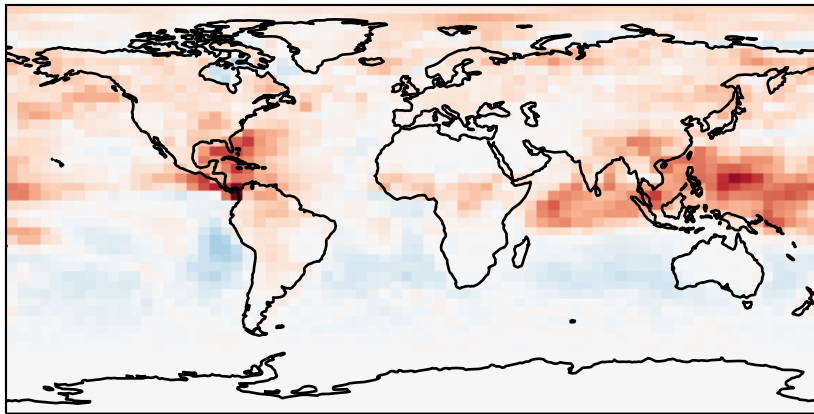
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



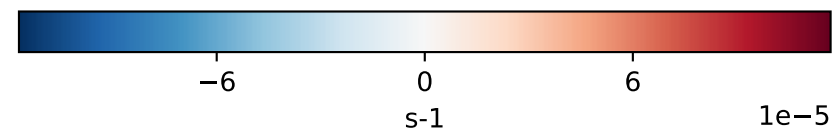
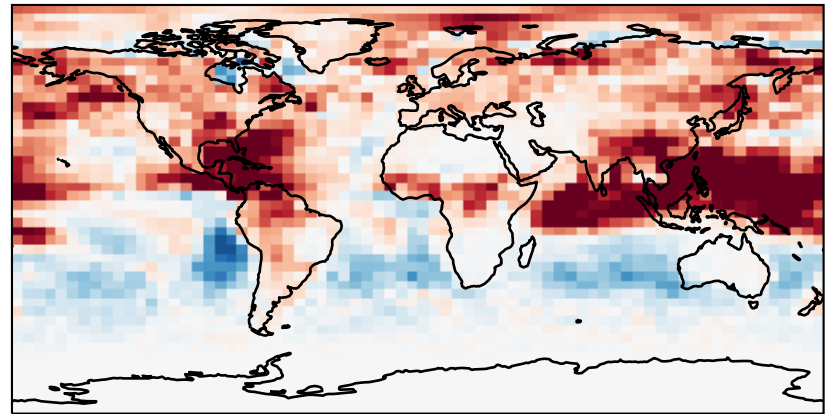
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



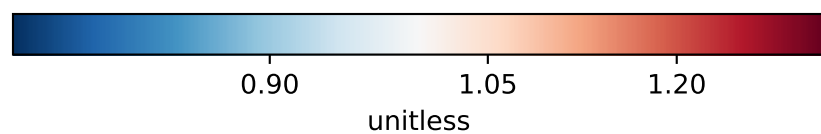
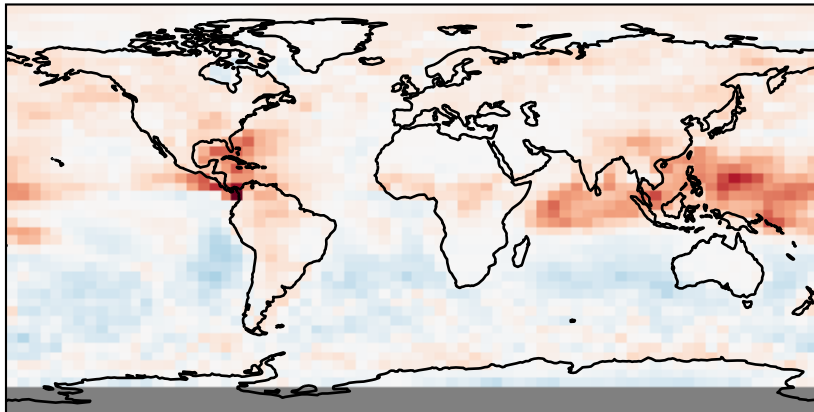
Difference  
Dev - Ref, Dynamic Range



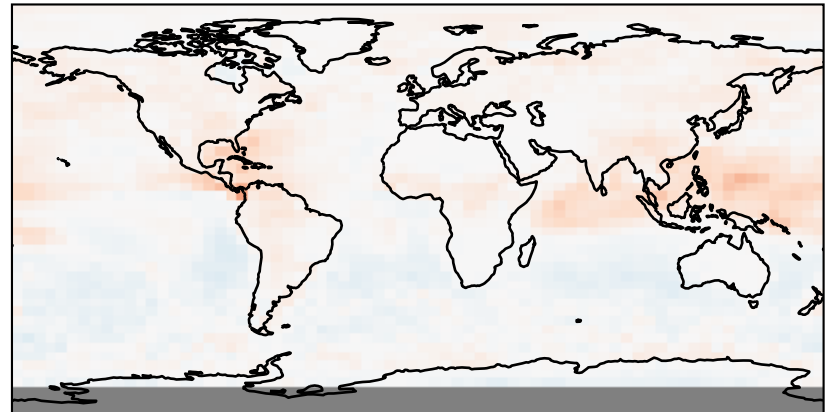
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



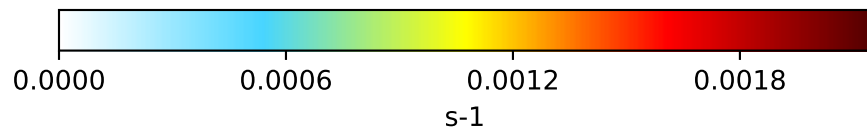
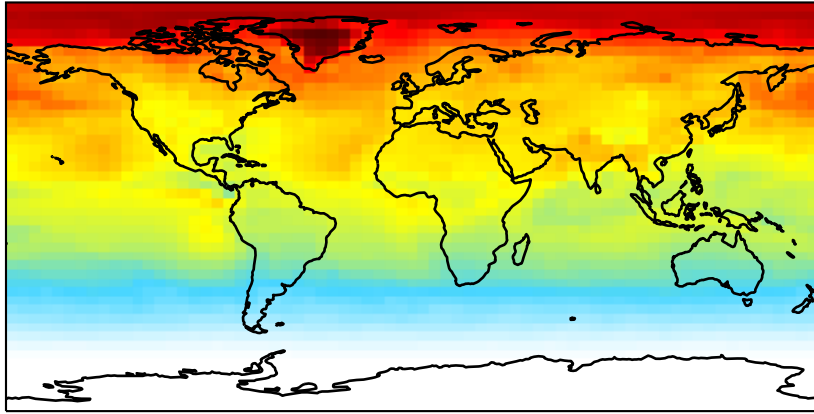
Ratio  
Dev/Ref, Fixed Range



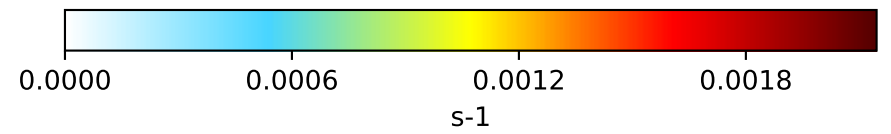
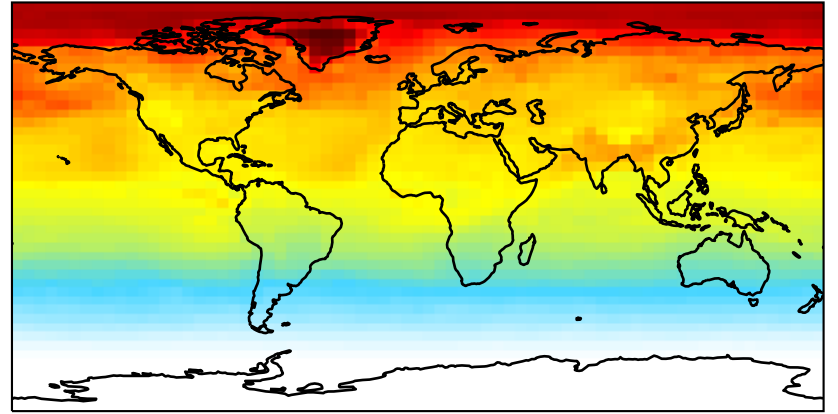


# Jval\_CI202

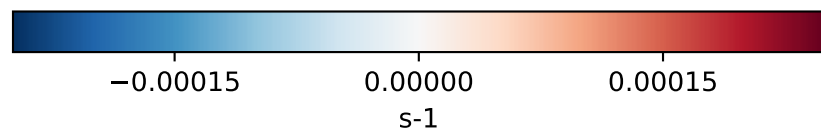
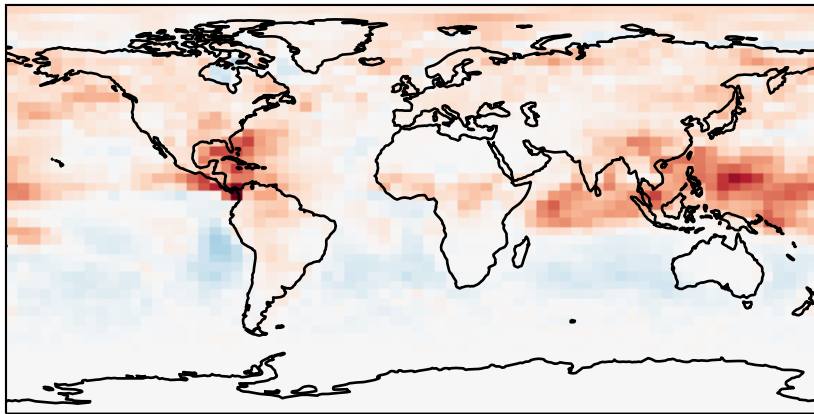
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



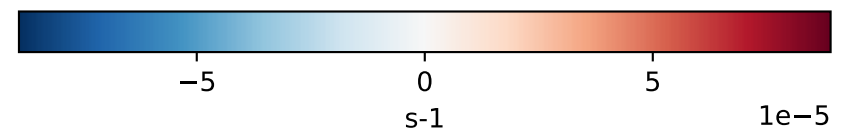
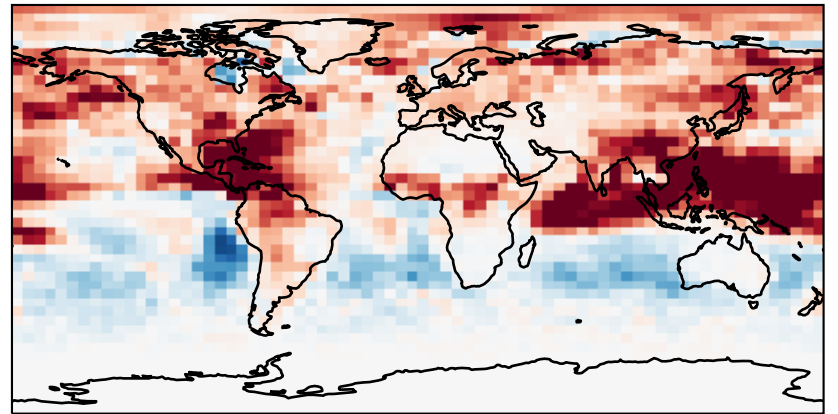
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



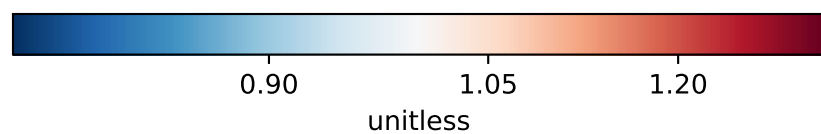
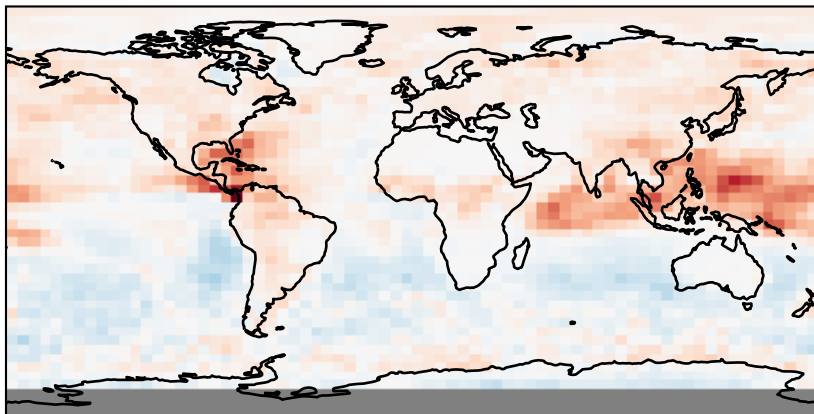
Difference  
Dev - Ref, Dynamic Range



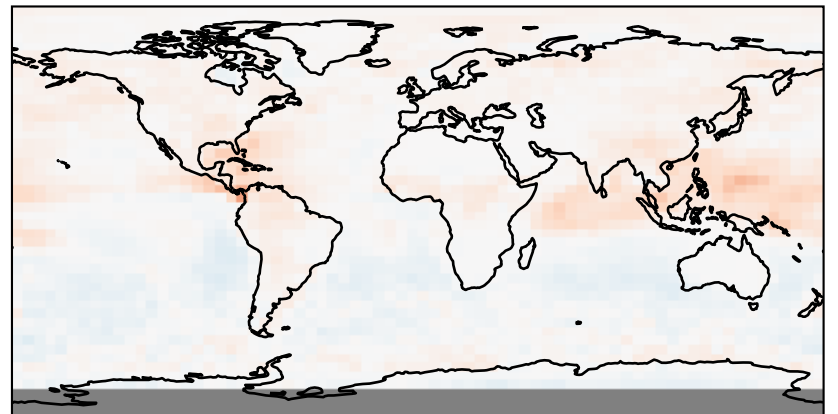
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

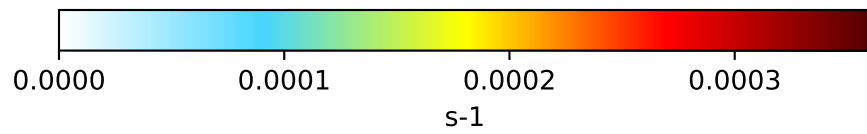
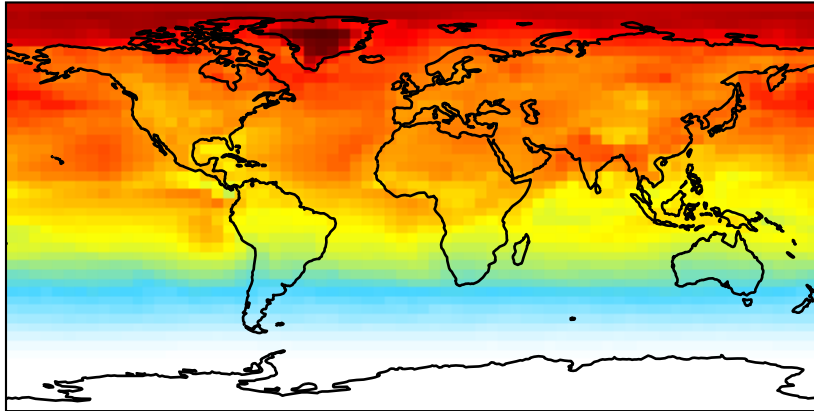


Ratio  
Dev/Ref, Fixed Range

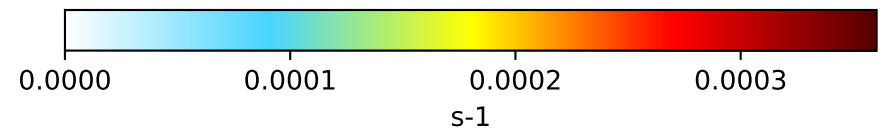
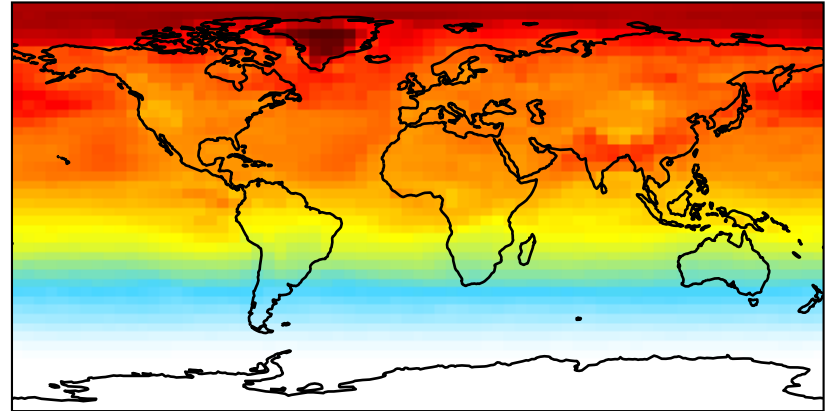


# Jval\_CIN02

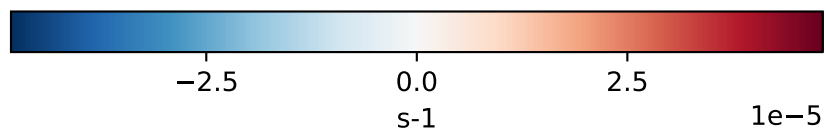
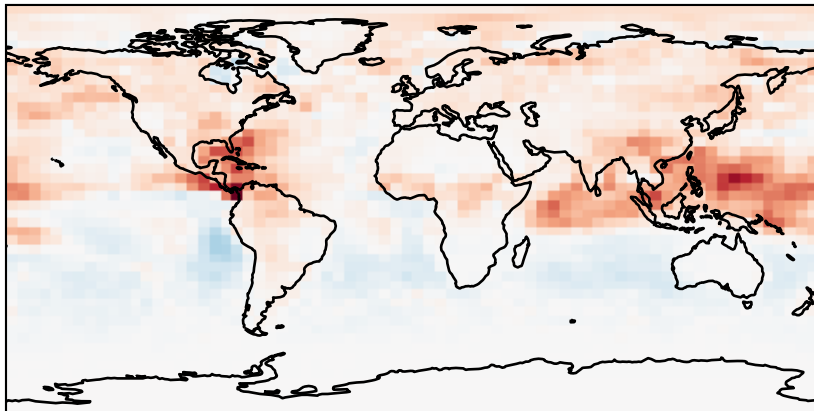
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



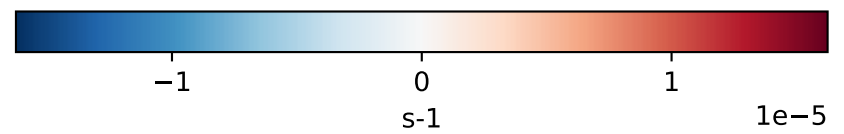
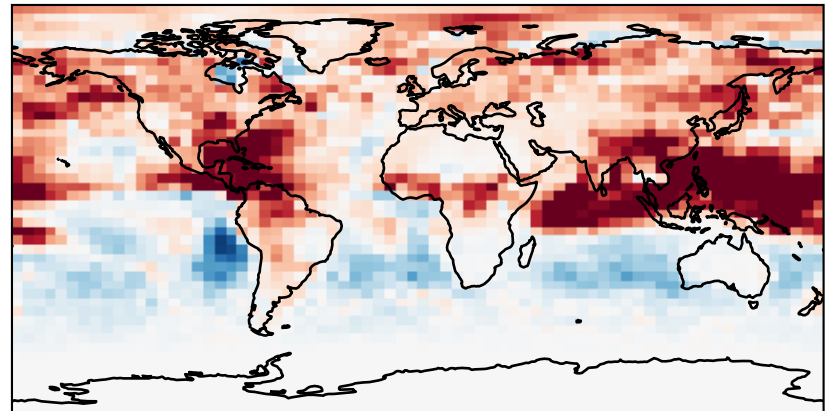
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



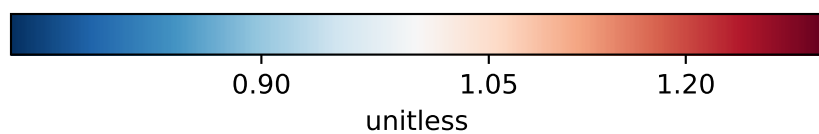
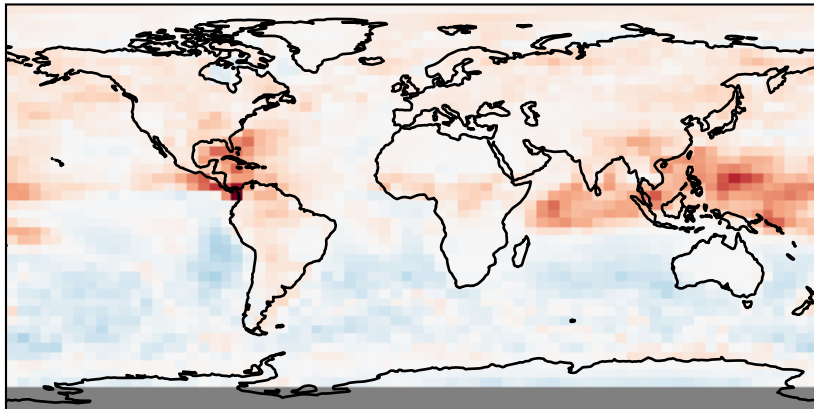
Difference  
Dev - Ref, Dynamic Range



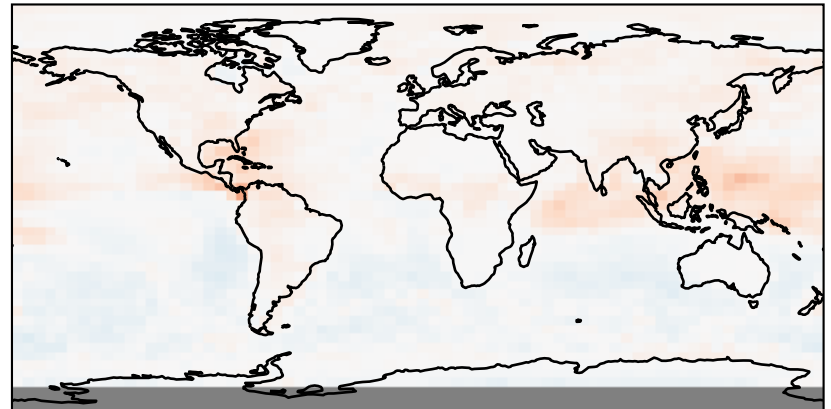
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

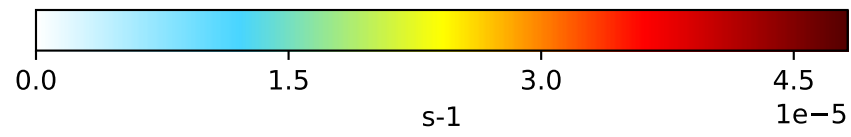
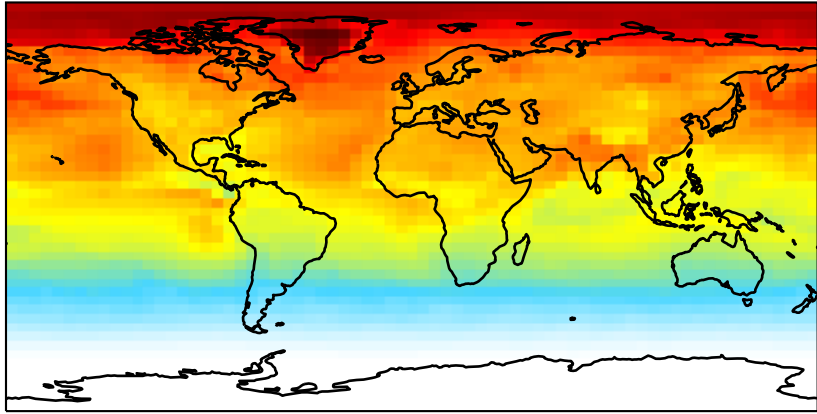


Ratio  
Dev/Ref, Fixed Range

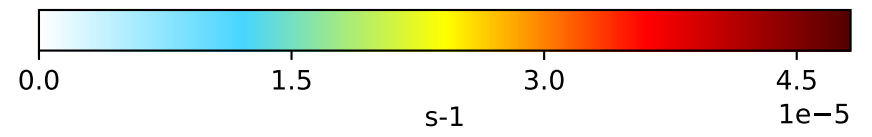
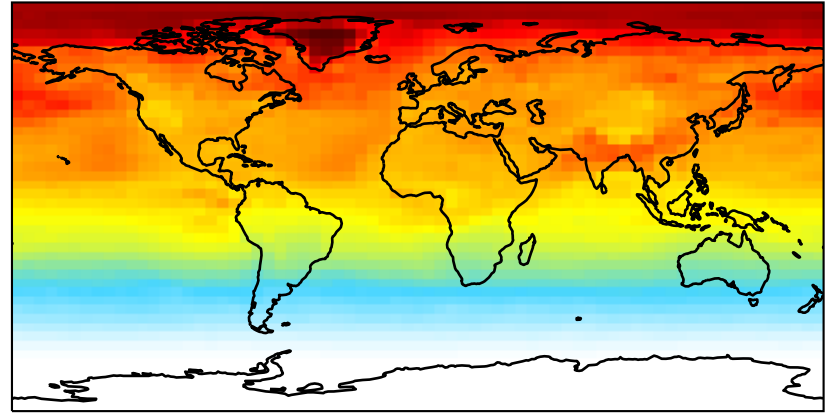


# Jval\_CIN03

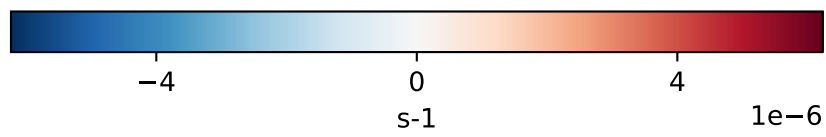
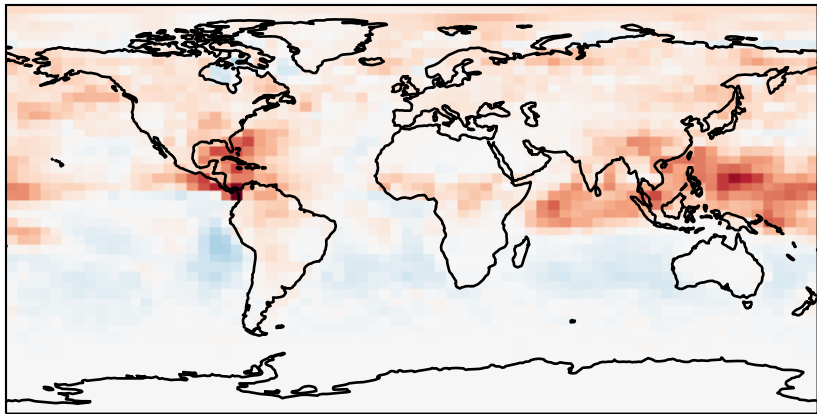
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



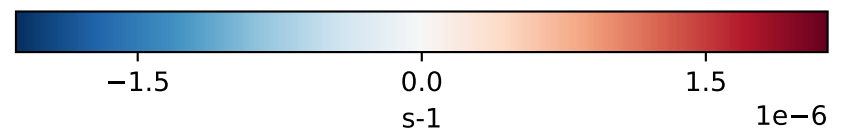
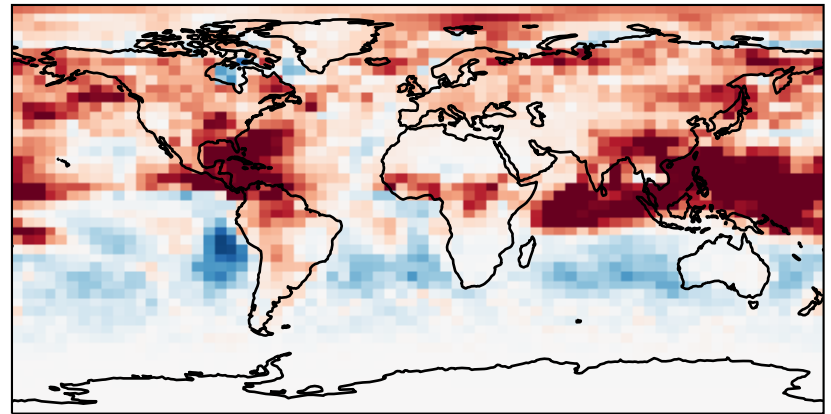
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



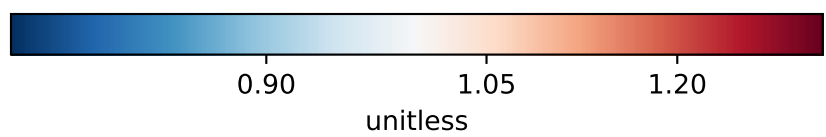
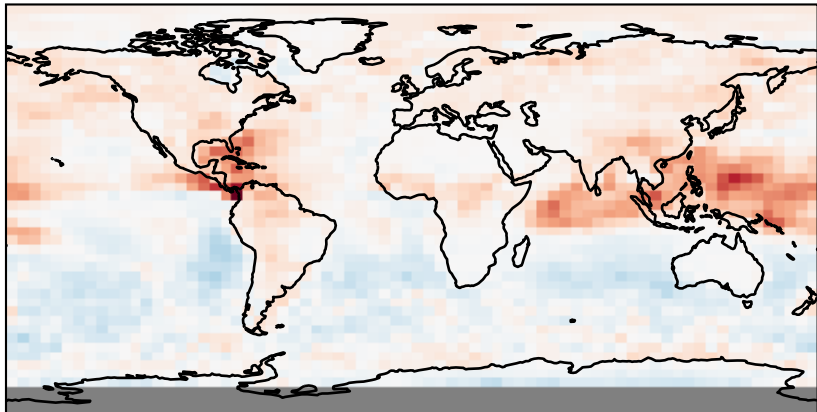
Difference  
Dev - Ref, Dynamic Range



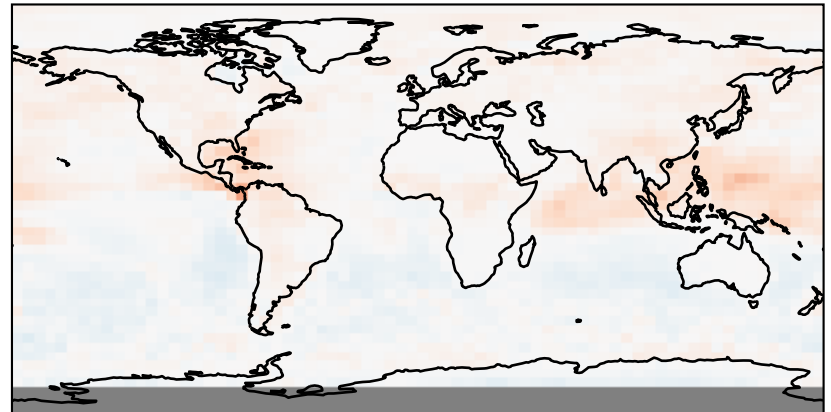
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

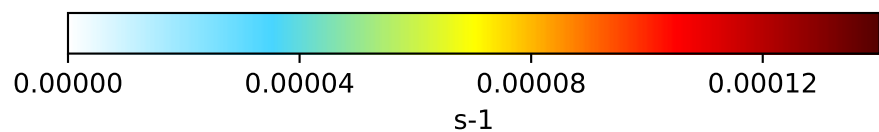
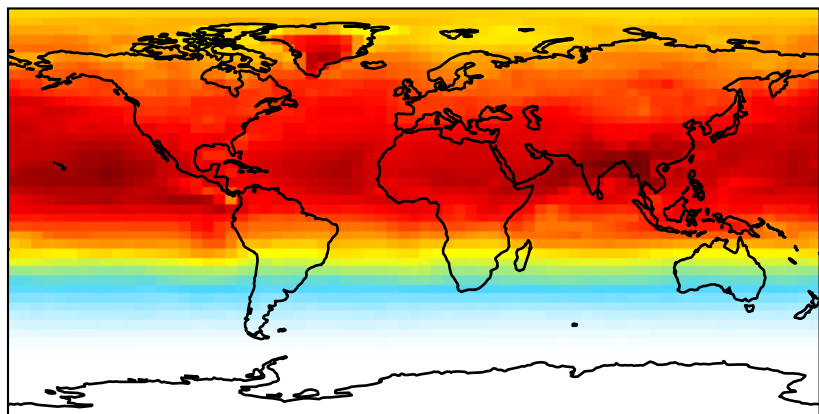


Ratio  
Dev/Ref, Fixed Range

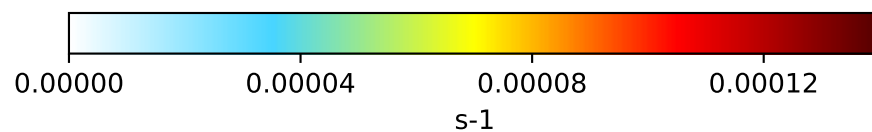
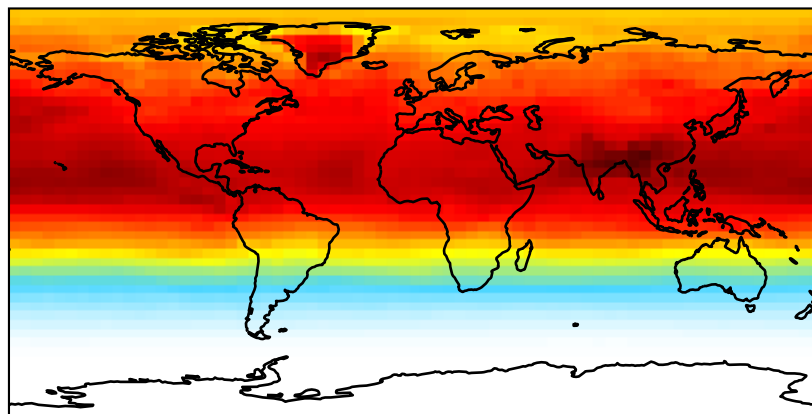


# Jval\_CIO

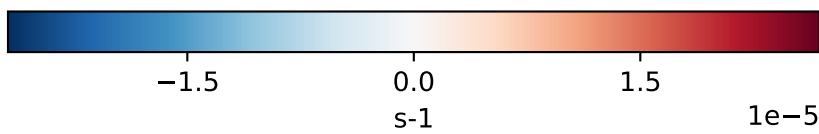
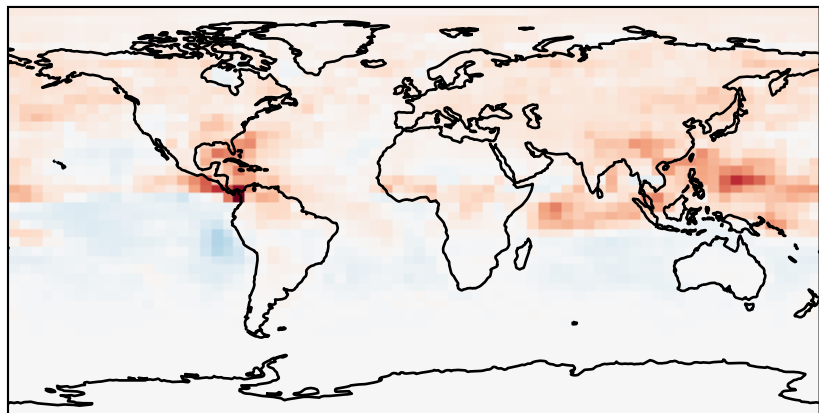
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



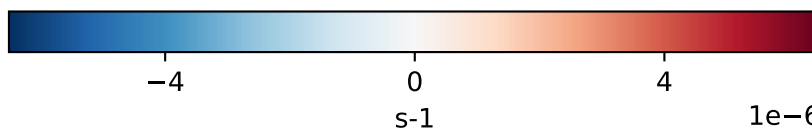
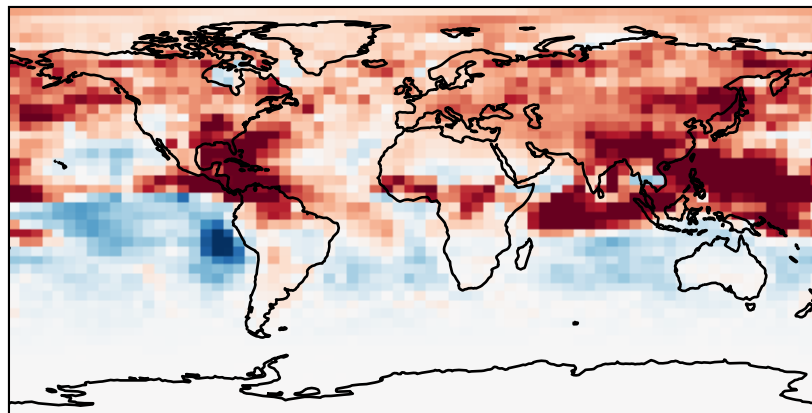
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



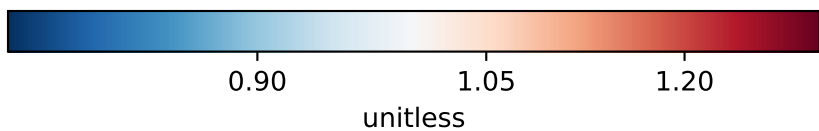
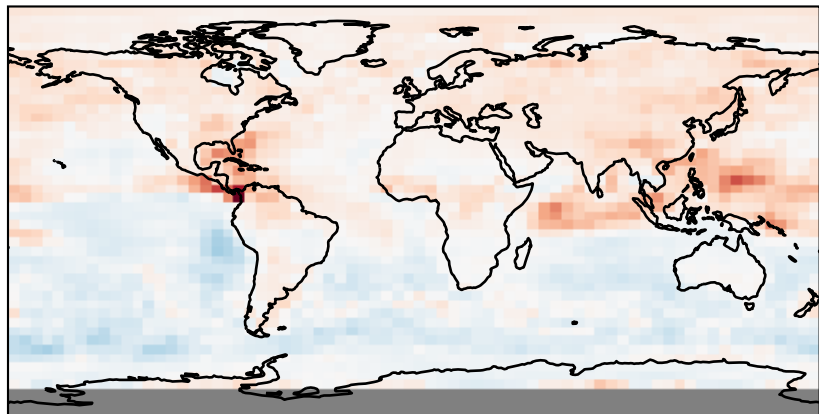
Difference  
Dev - Ref, Dynamic Range



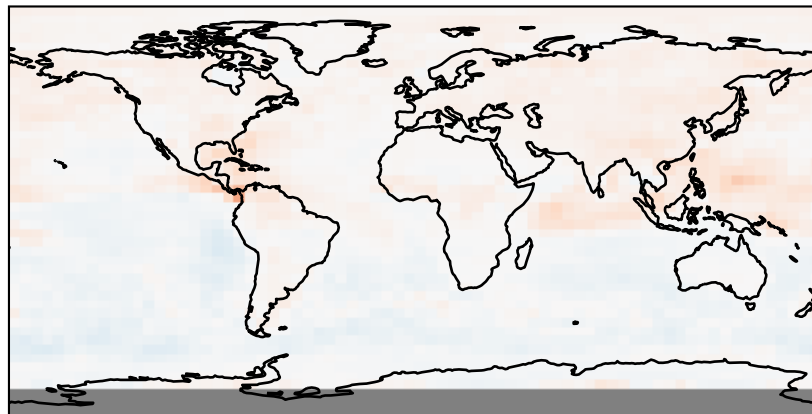
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

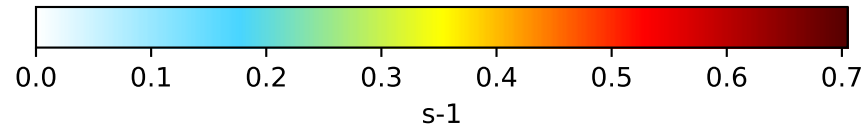
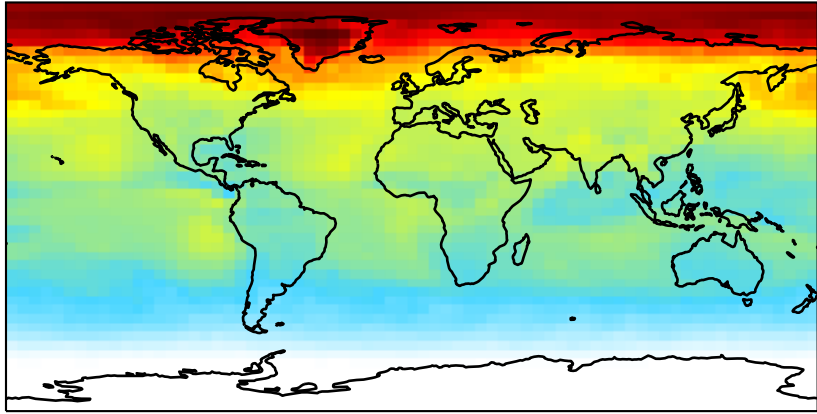


Ratio  
Dev/Ref, Fixed Range

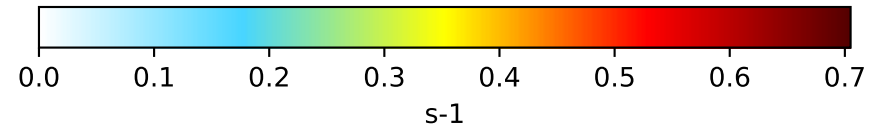
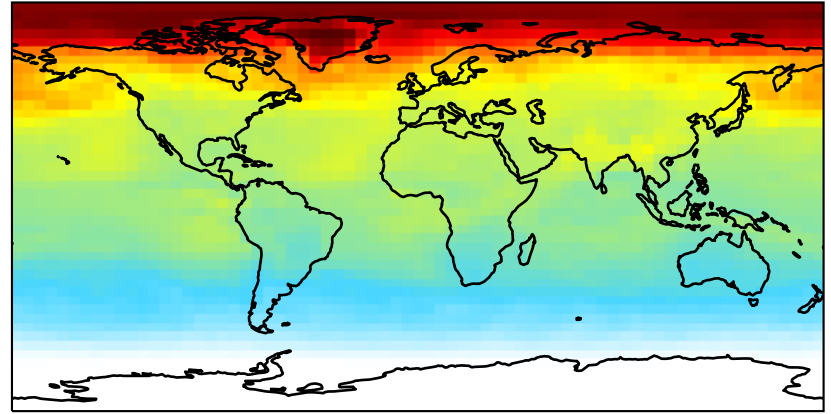


# Jval\_C100

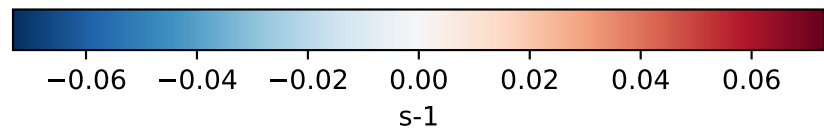
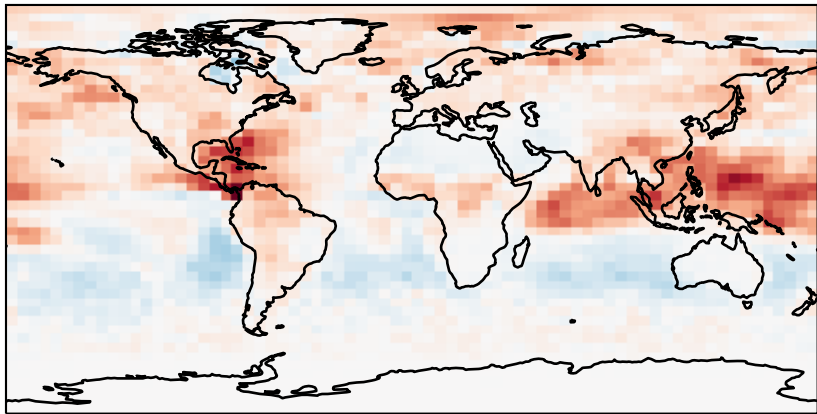
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



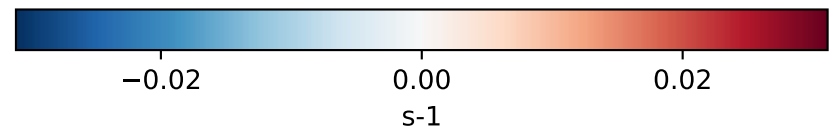
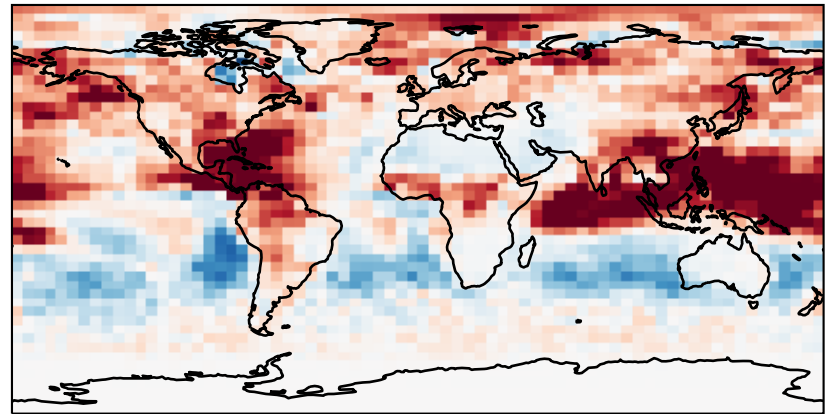
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



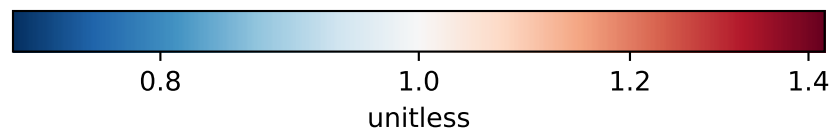
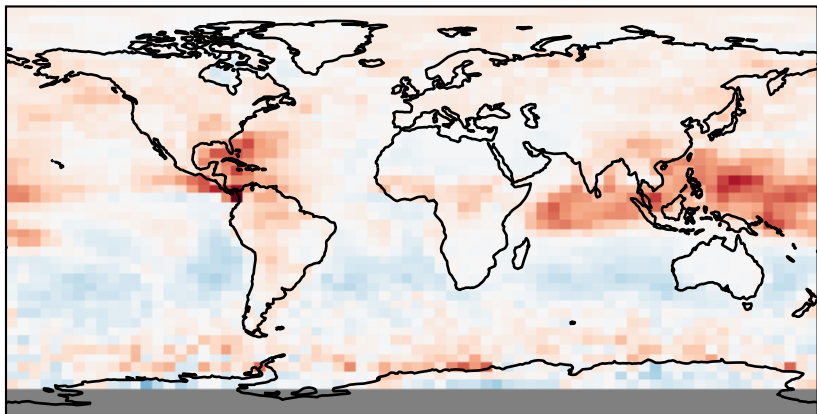
Difference  
Dev - Ref, Dynamic Range



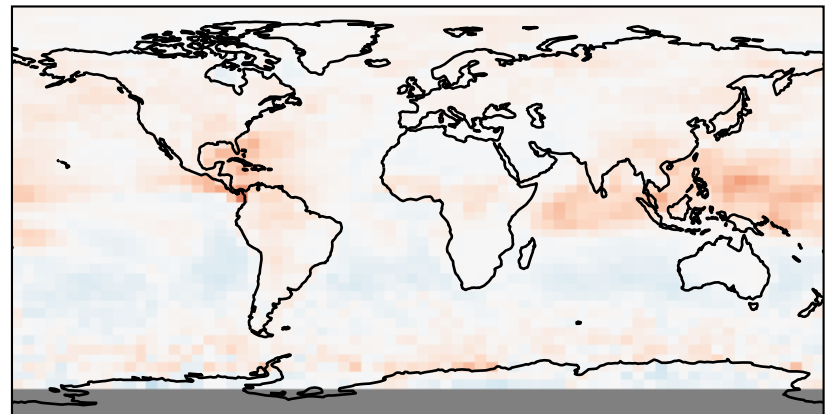
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

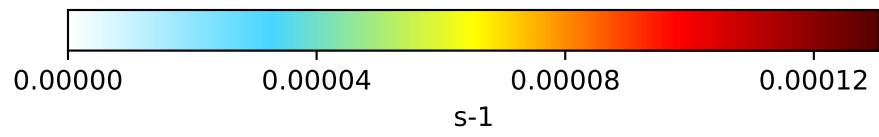
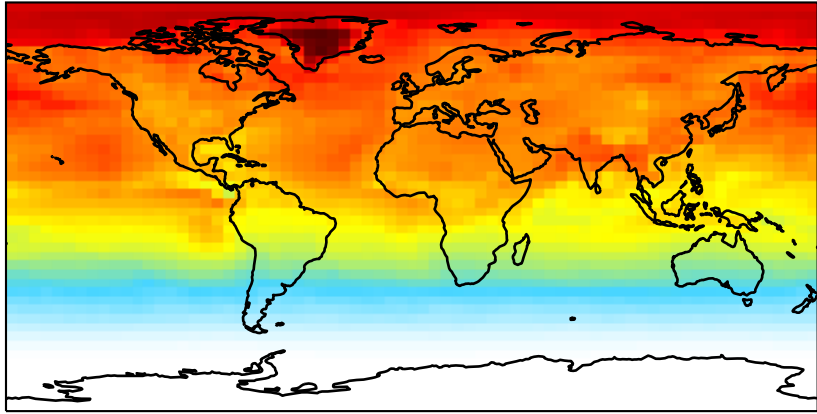


Ratio  
Dev/Ref, Fixed Range

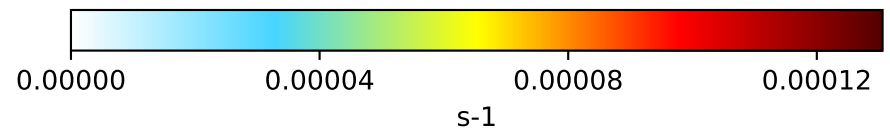
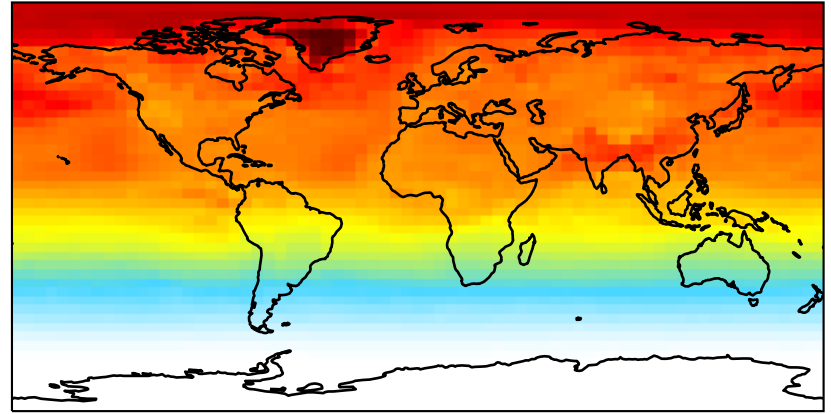


# Jval\_ETHLN

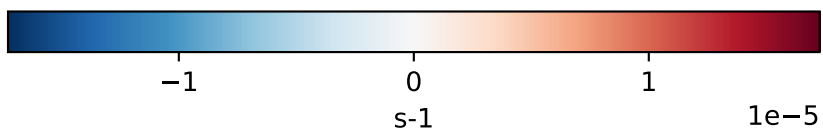
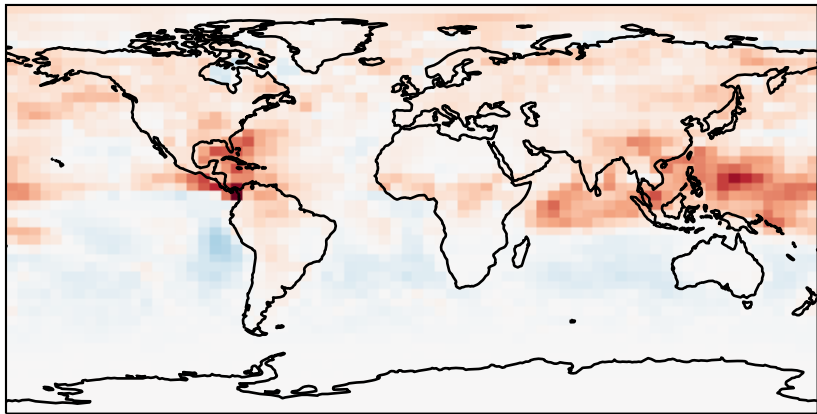
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



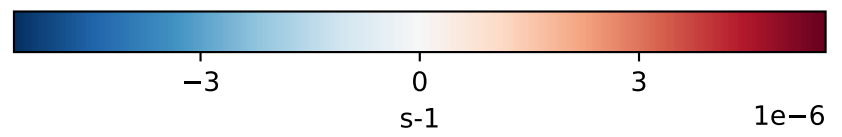
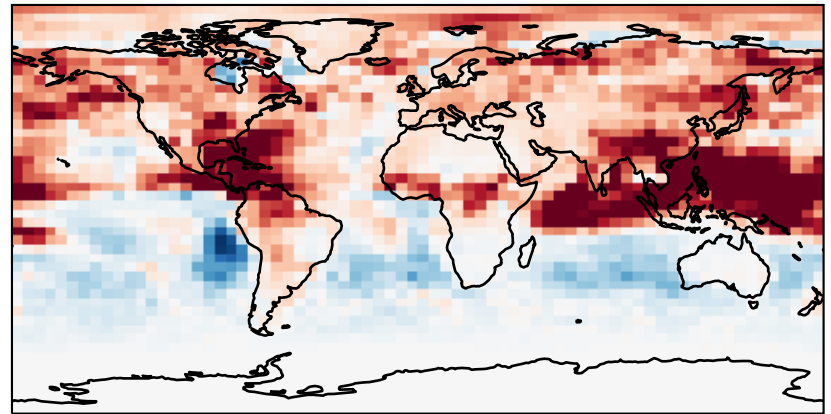
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



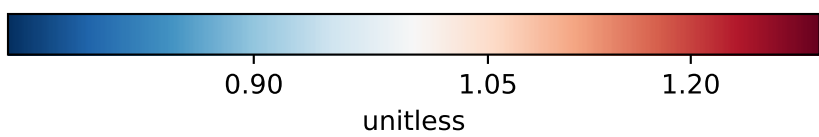
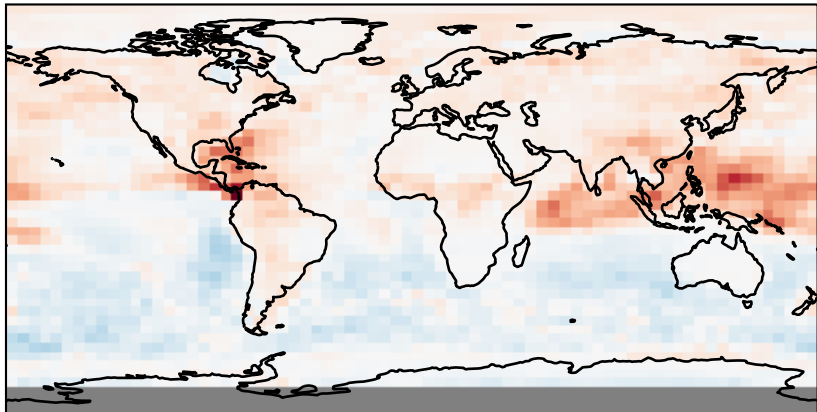
Difference  
Dev - Ref, Dynamic Range



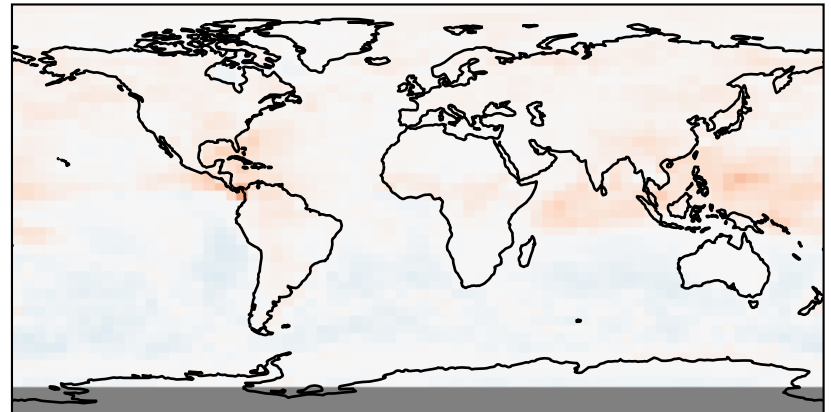
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

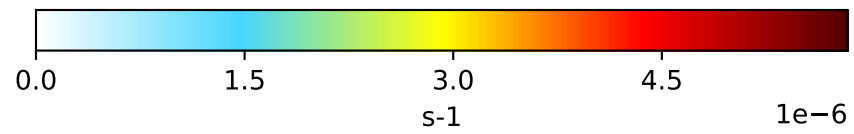
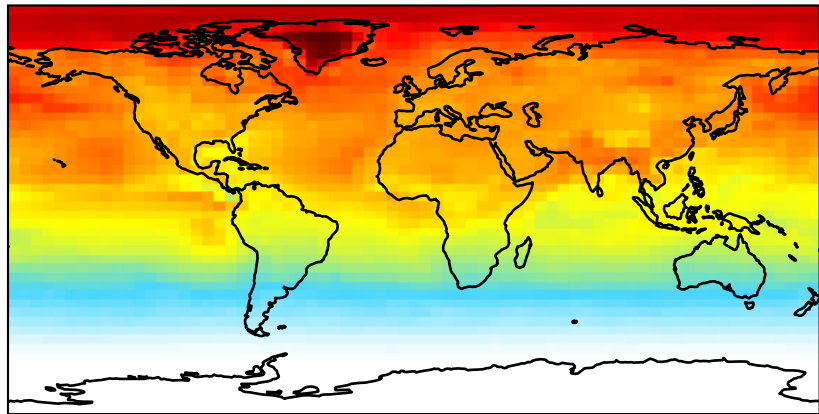


Ratio  
Dev/Ref, Fixed Range

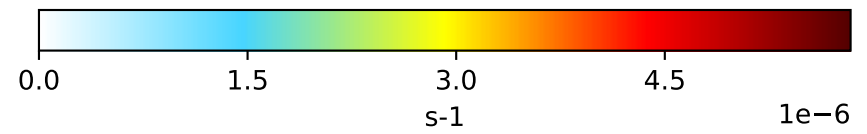
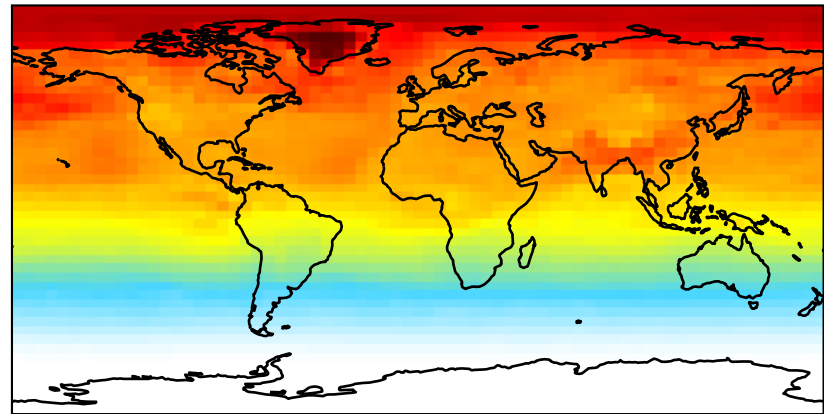


# Jval\_ETHP

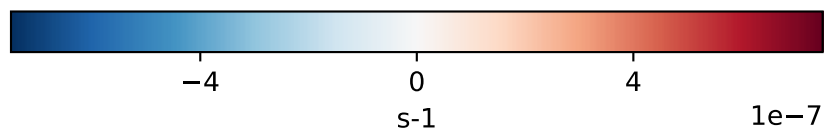
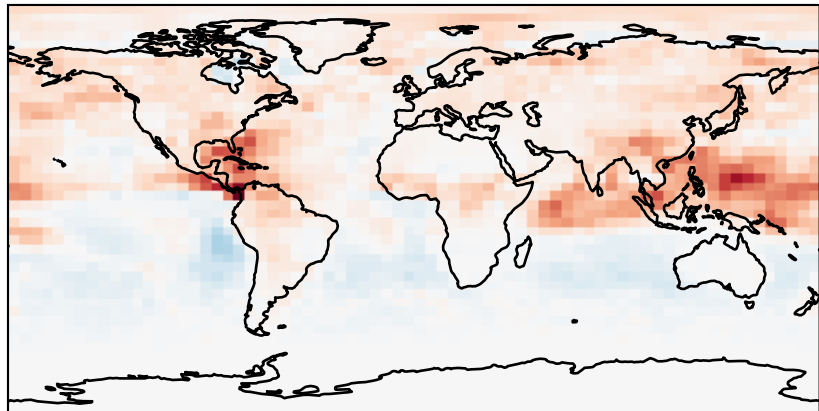
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



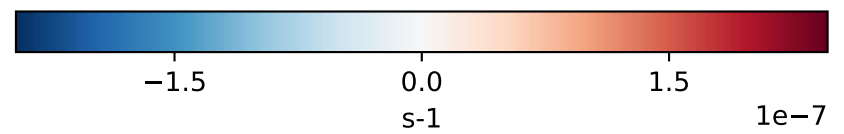
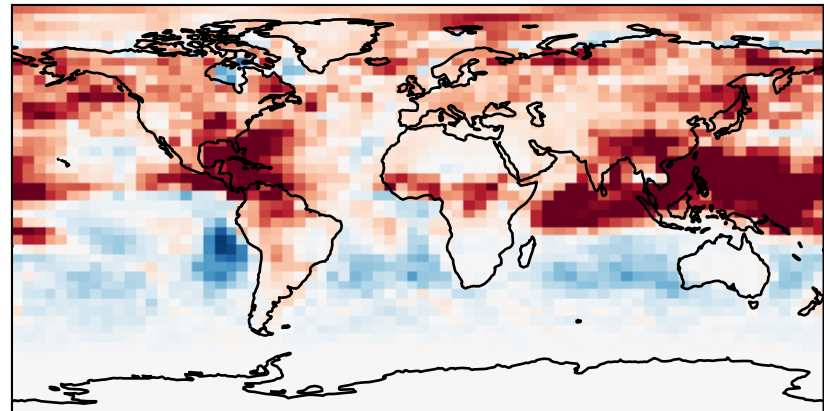
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



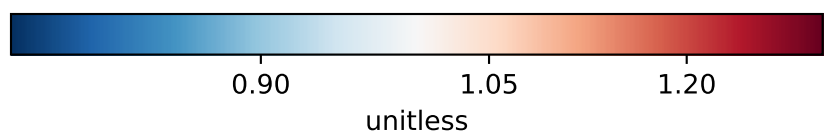
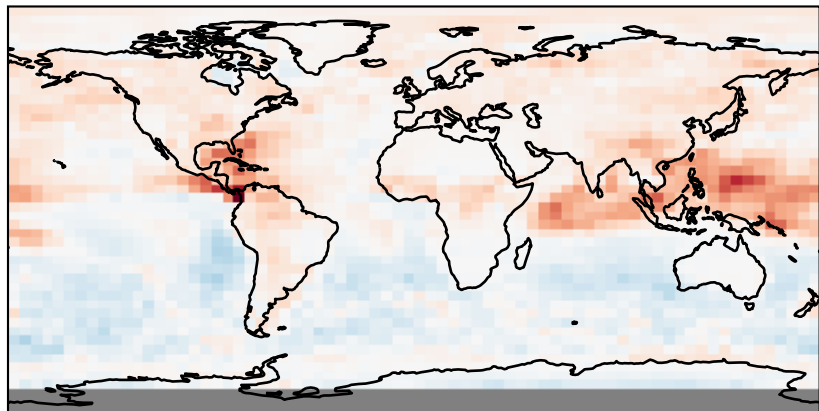
Difference  
Dev - Ref, Dynamic Range



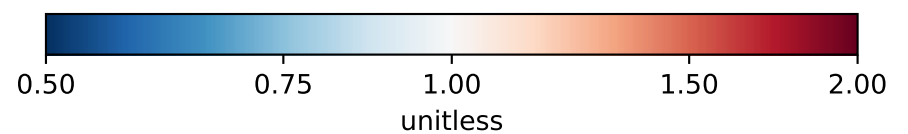
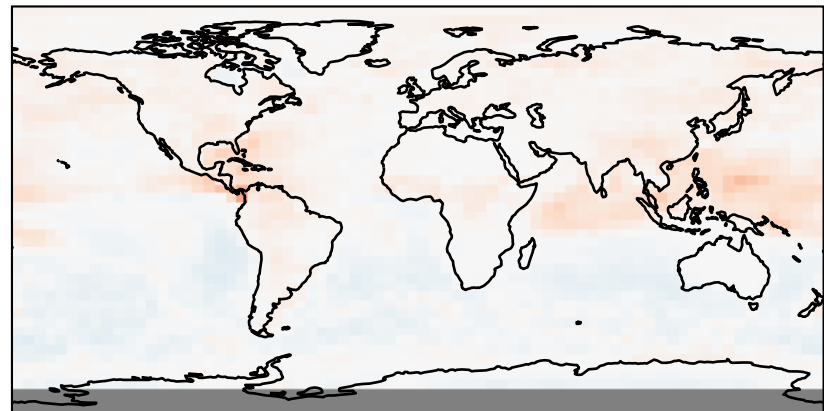
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

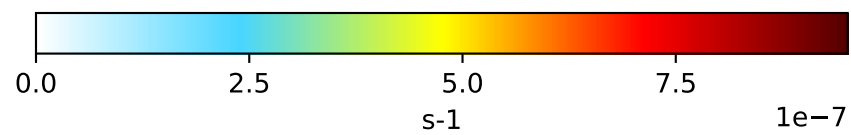
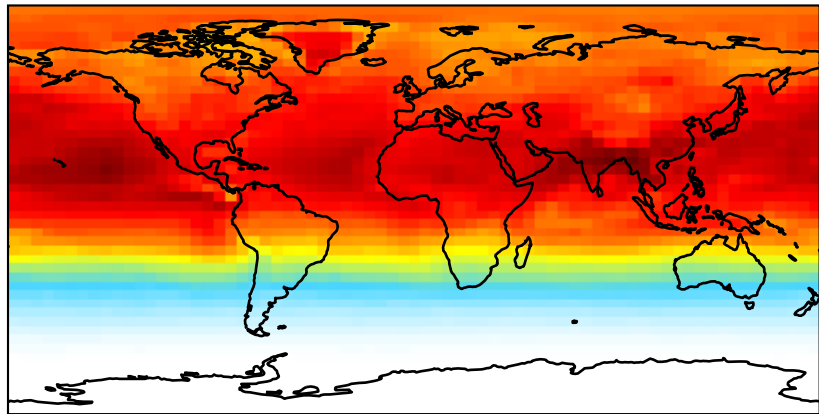


Ratio  
Dev/Ref, Fixed Range

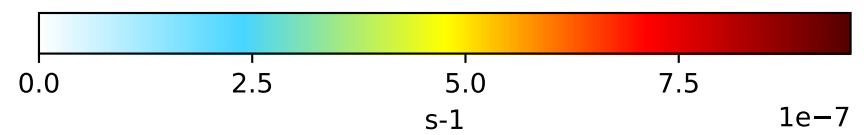
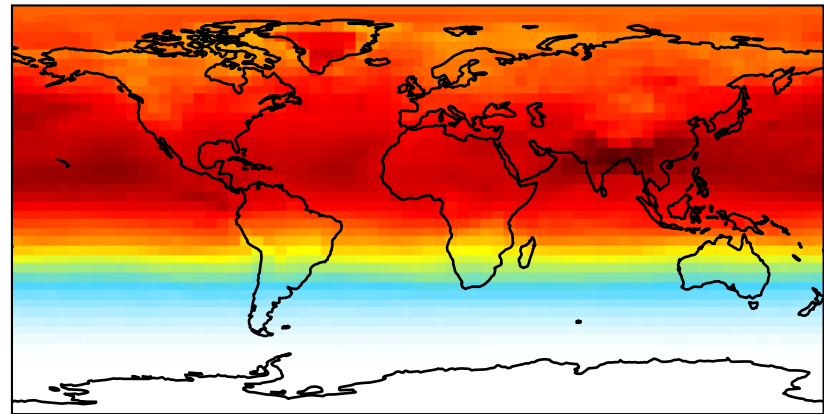


# Jval\_ETNO3

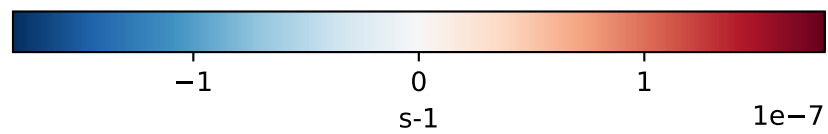
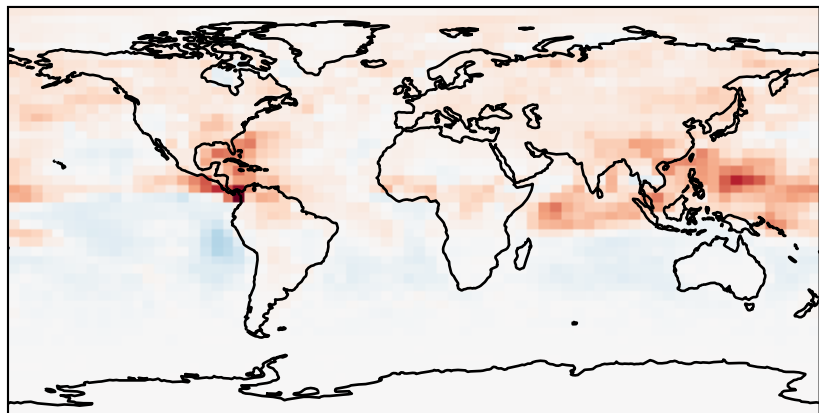
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



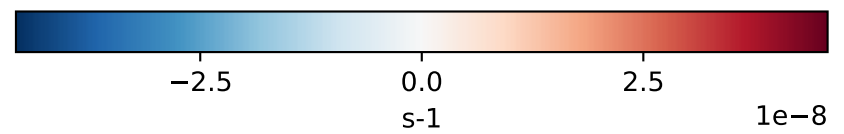
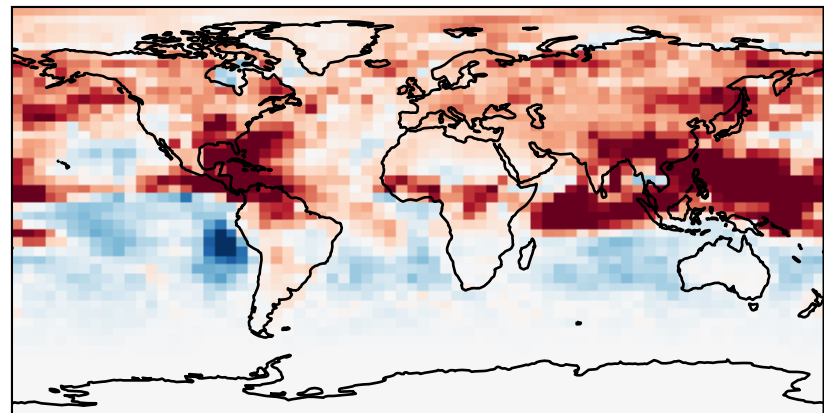
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



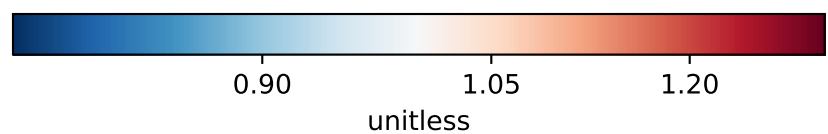
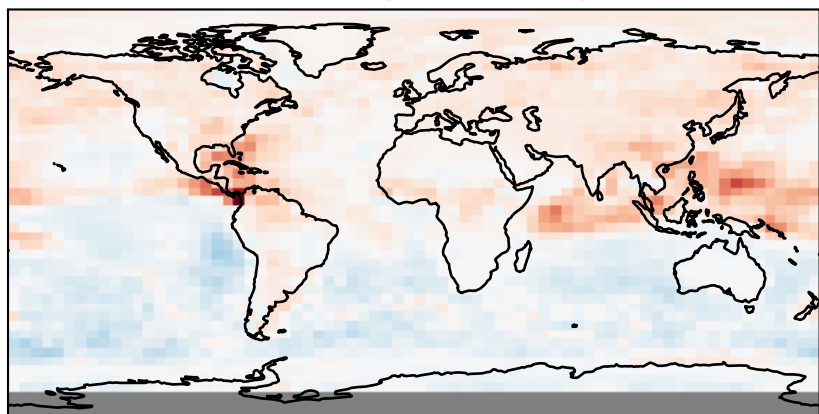
Difference  
Dev - Ref, Dynamic Range



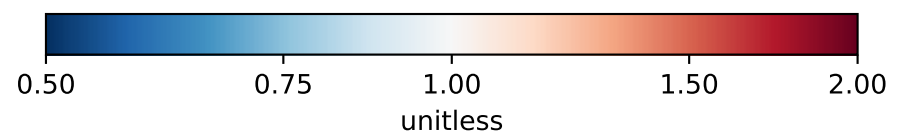
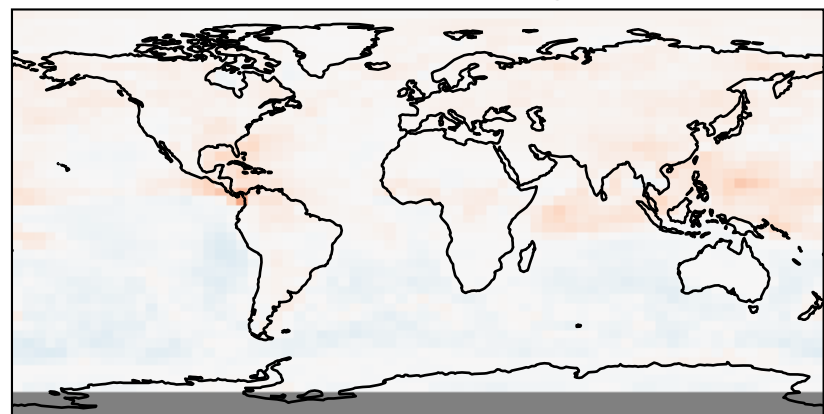
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



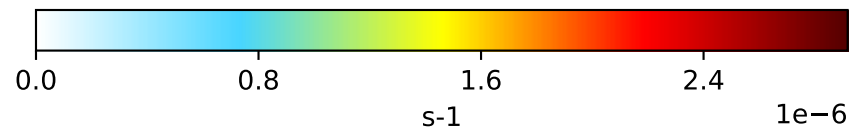
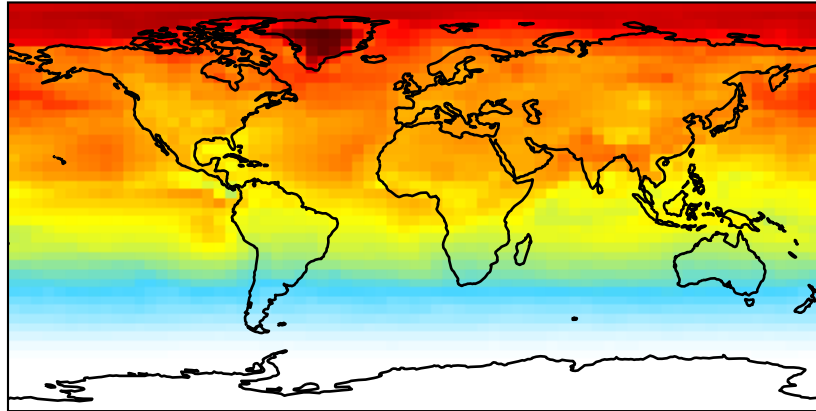
Ratio  
Dev/Ref, Fixed Range



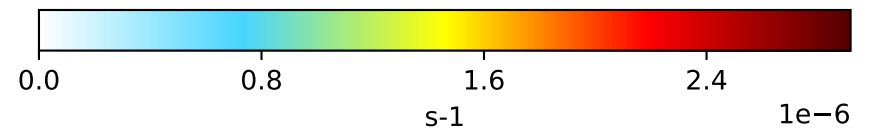
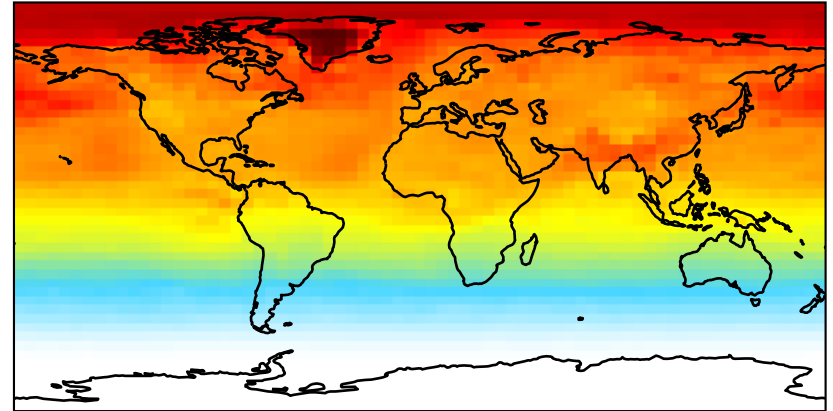


# Jval\_ETP

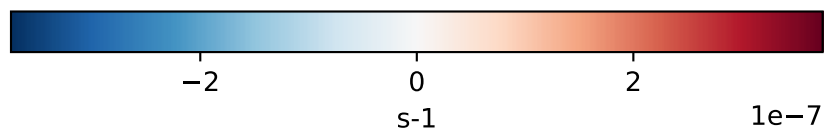
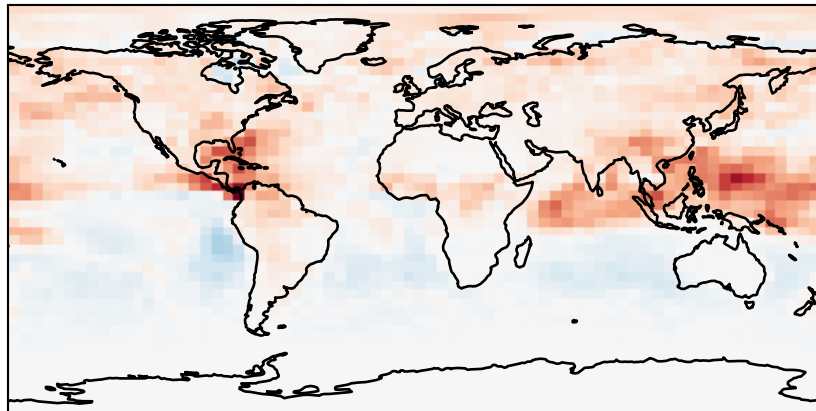
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



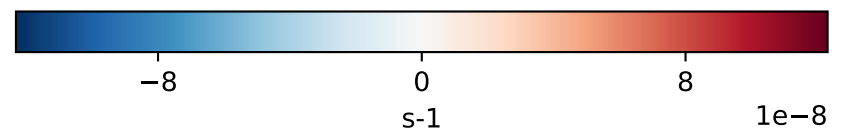
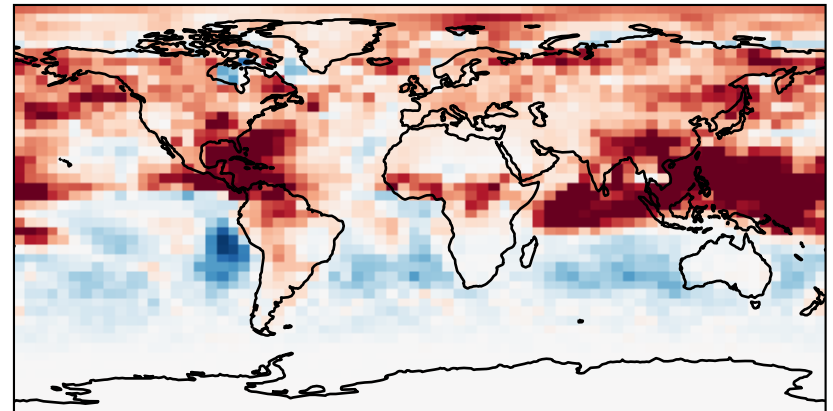
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



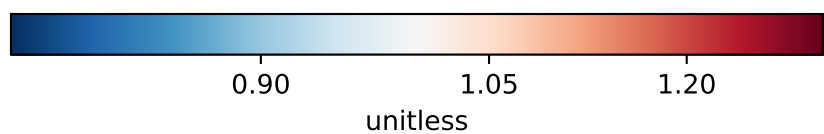
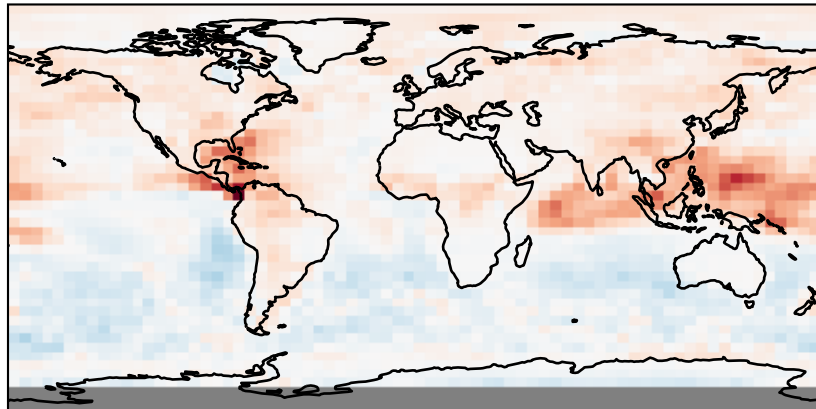
Difference  
Dev - Ref, Dynamic Range



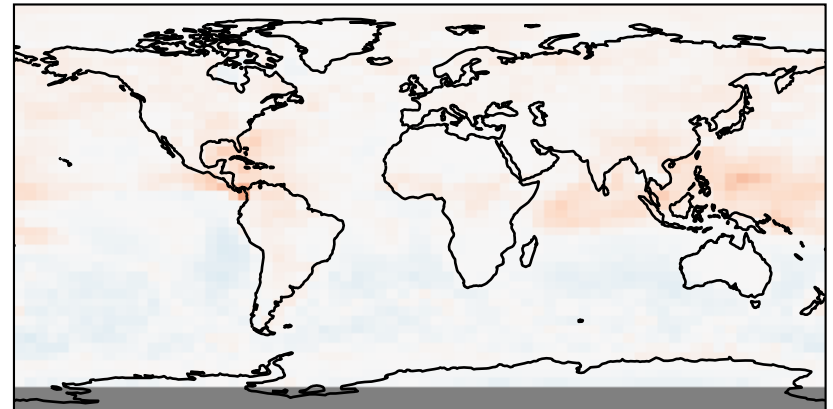
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

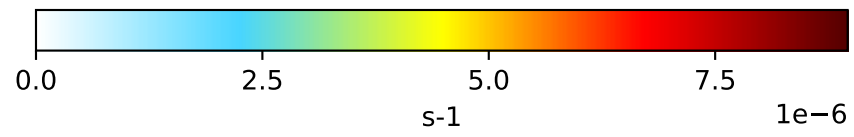
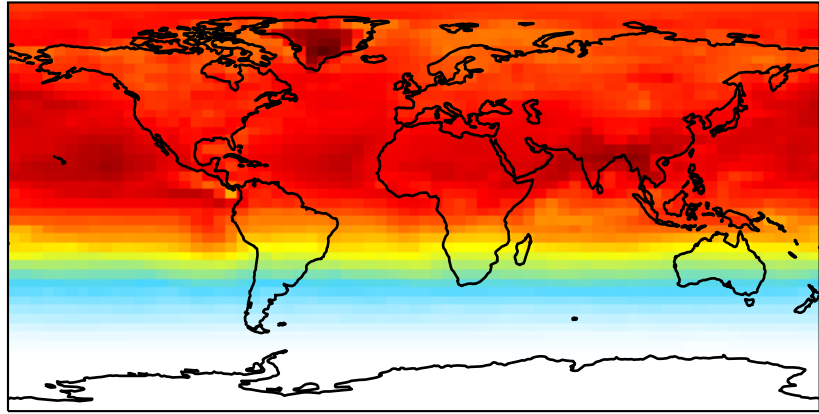


Ratio  
Dev/Ref, Fixed Range

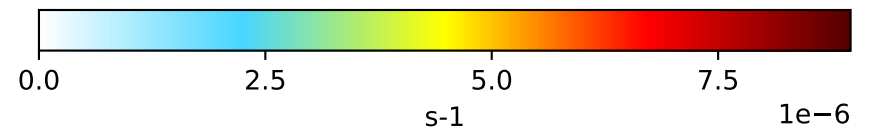
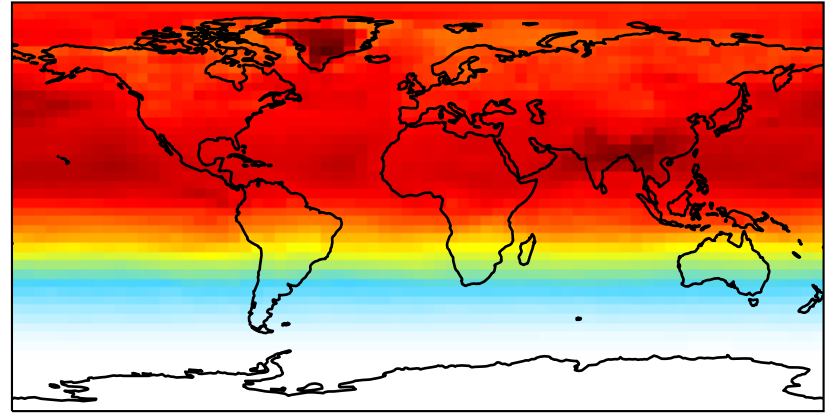


# Jval\_GLYC

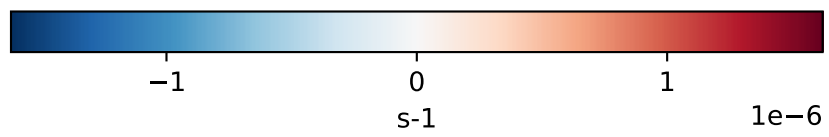
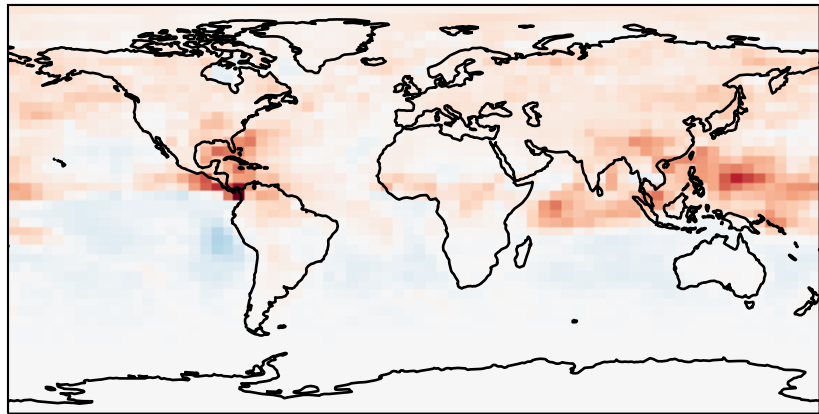
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



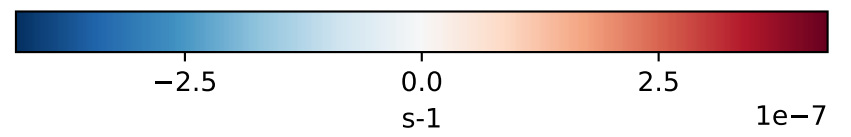
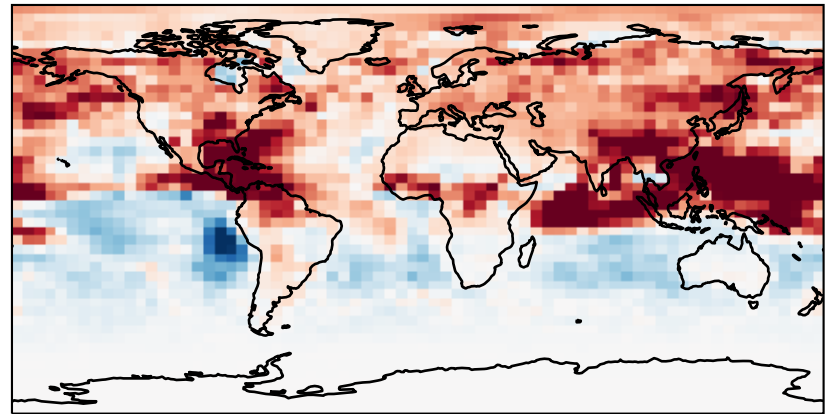
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



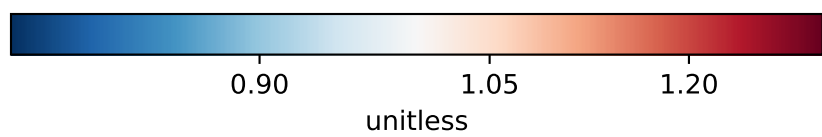
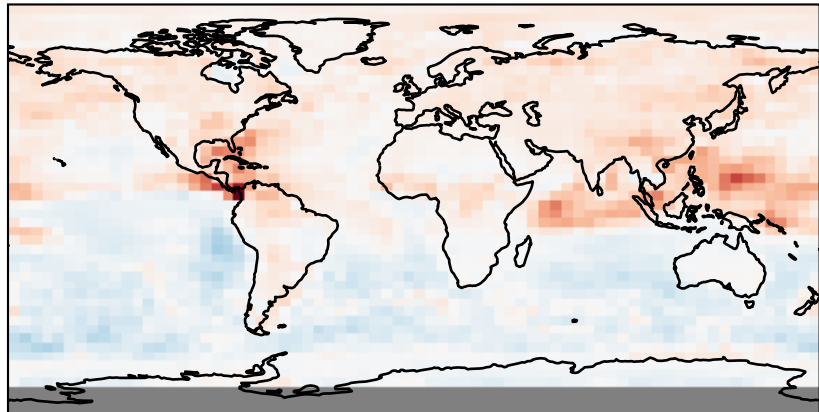
Difference  
Dev - Ref, Dynamic Range



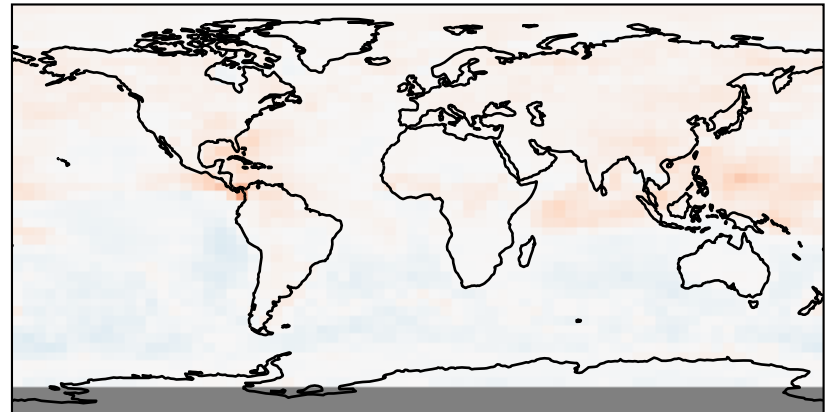
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

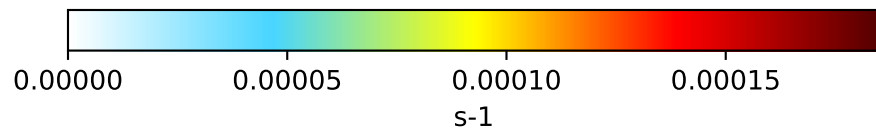
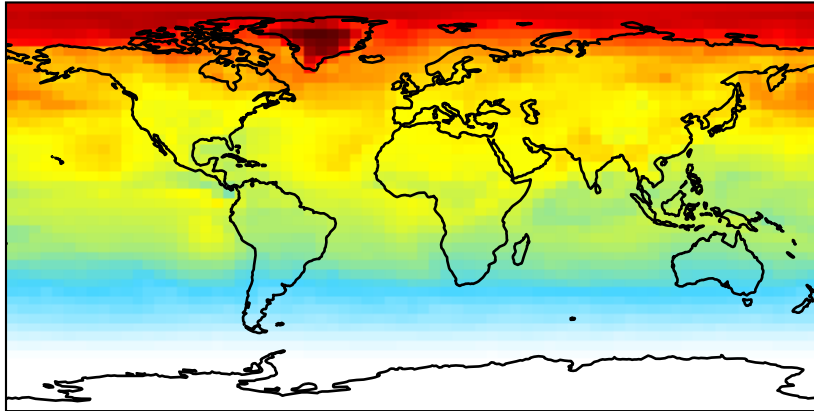


Ratio  
Dev/Ref, Fixed Range

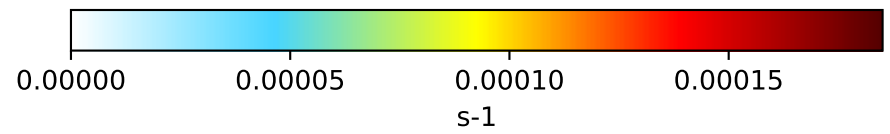
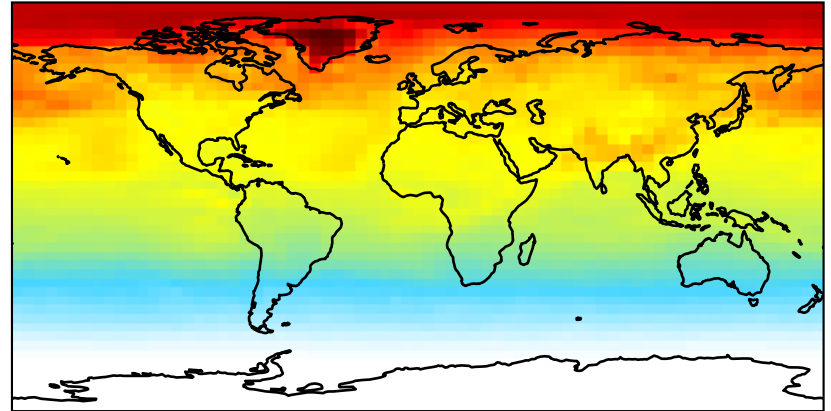


# Jval\_GLYX

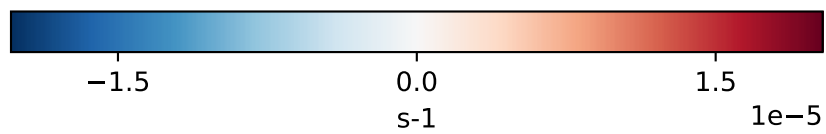
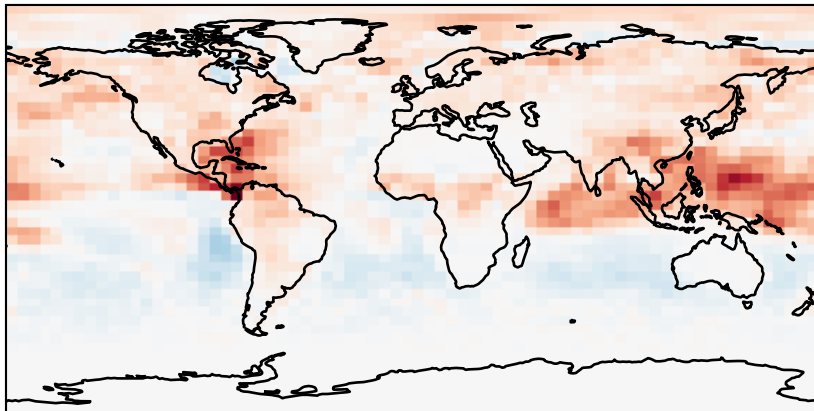
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



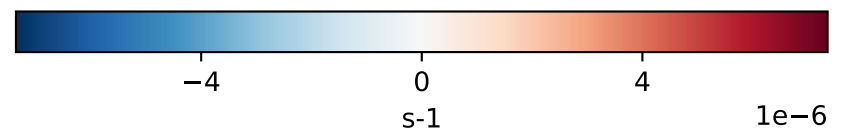
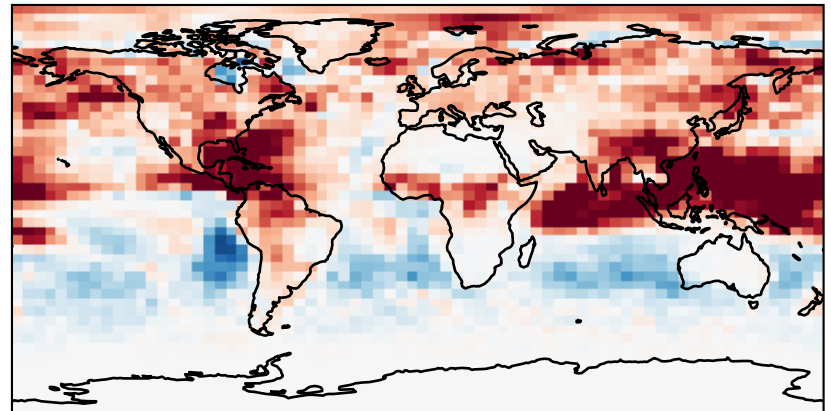
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



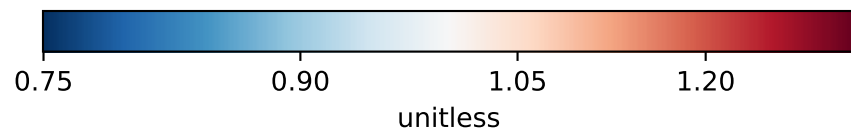
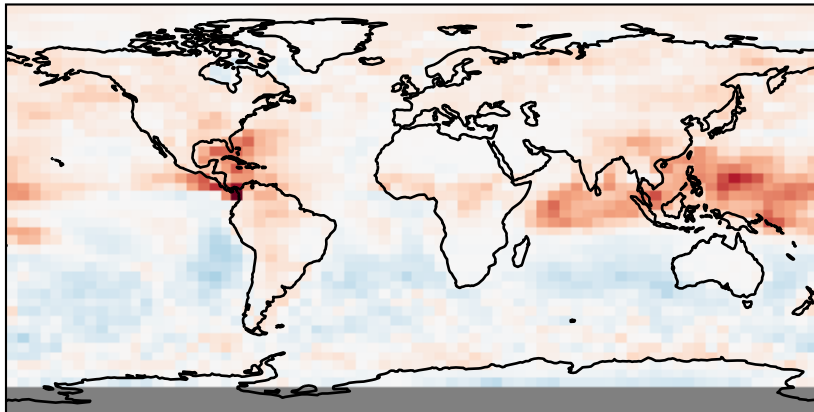
Difference  
Dev - Ref, Dynamic Range



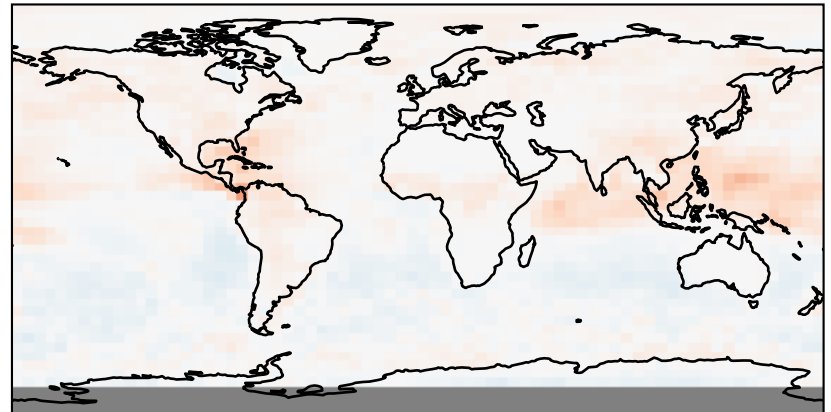
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

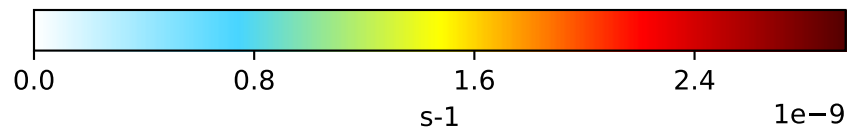
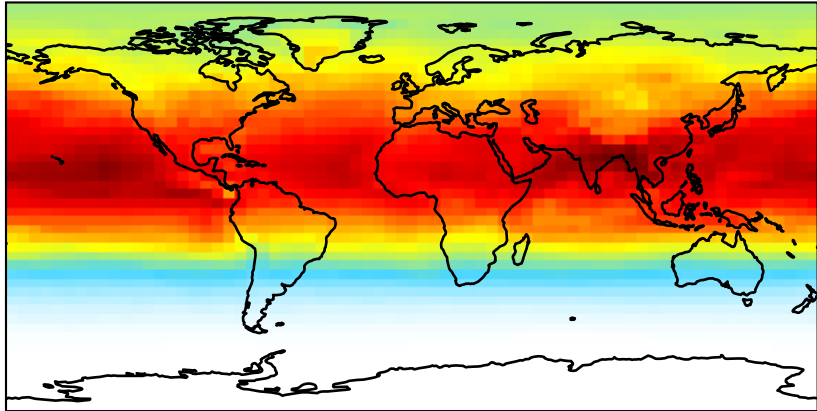


Ratio  
Dev/Ref, Fixed Range

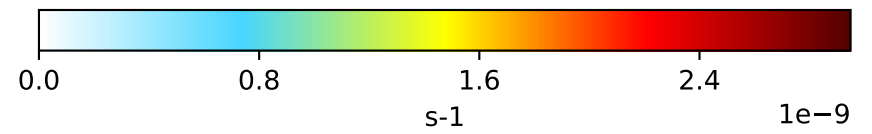
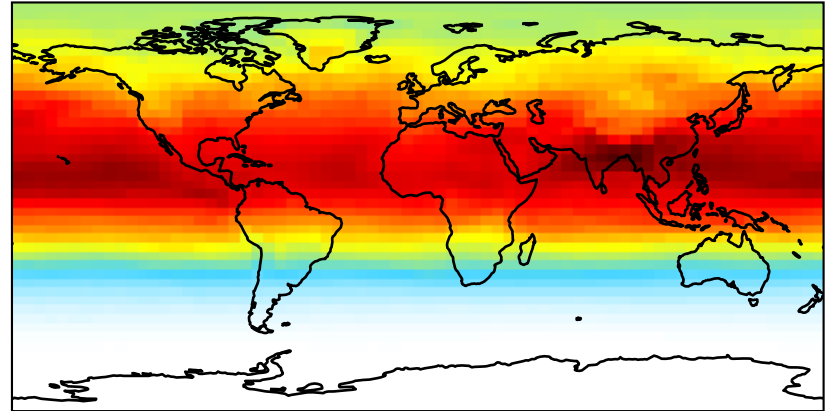


# Jval\_H1211

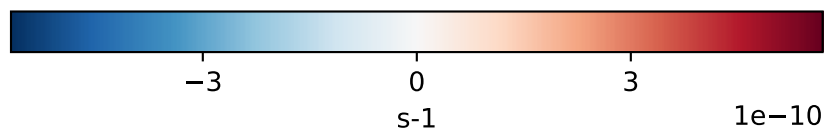
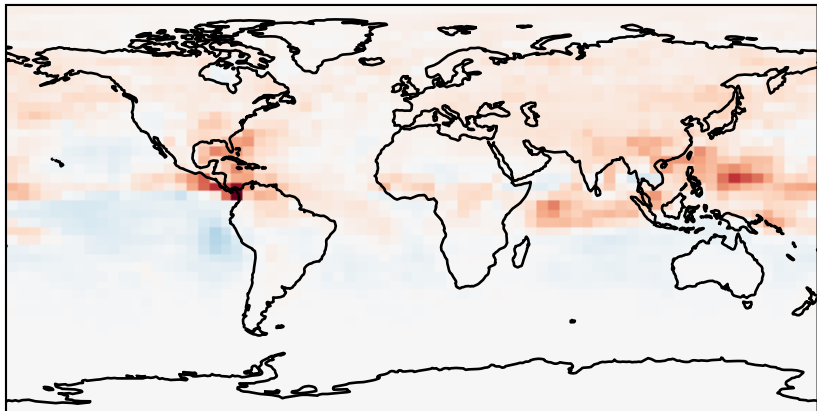
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



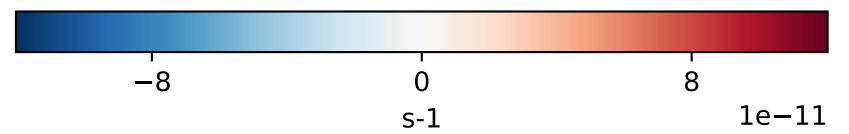
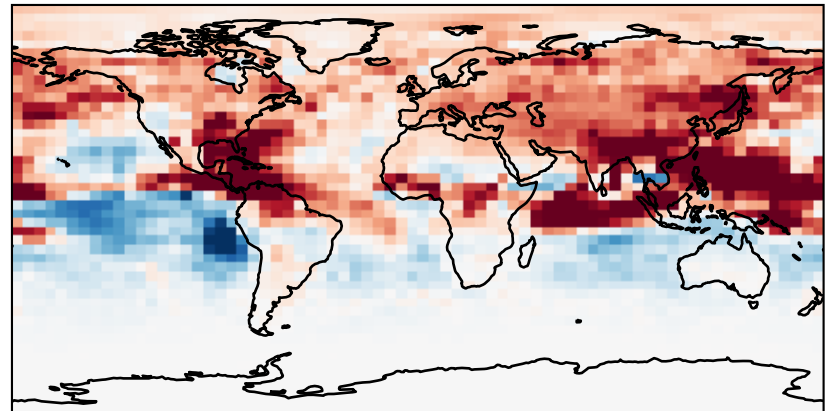
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



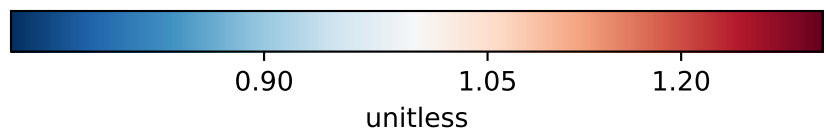
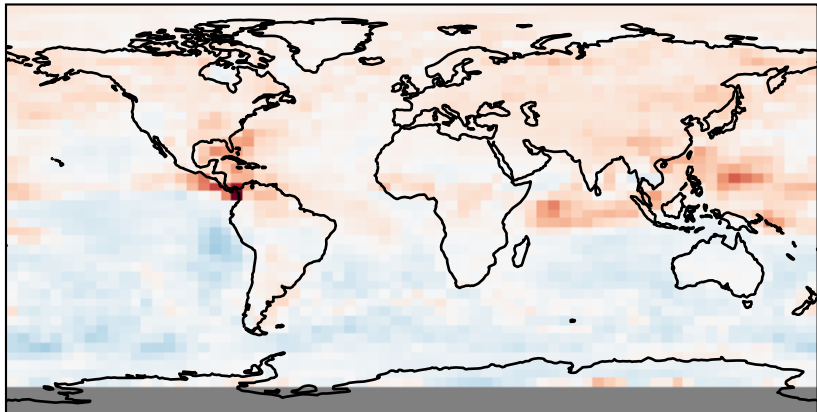
Difference  
Dev - Ref, Dynamic Range



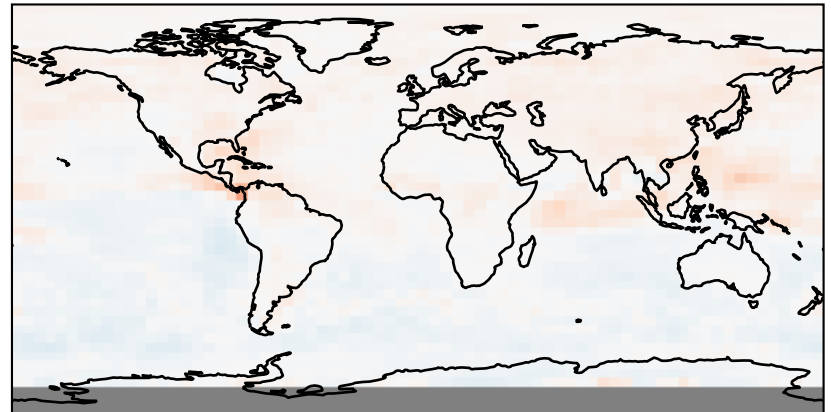
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

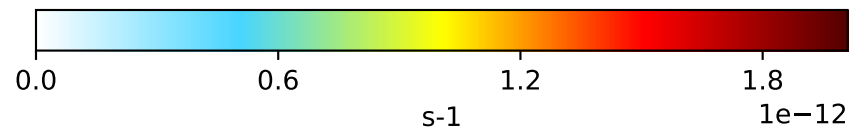
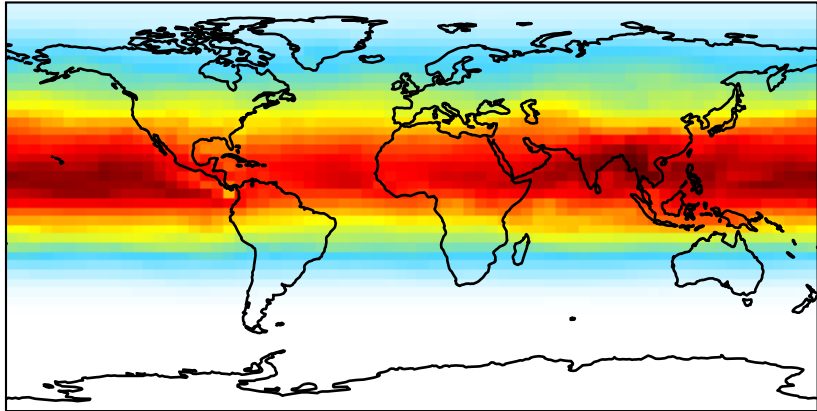


Ratio  
Dev/Ref, Fixed Range

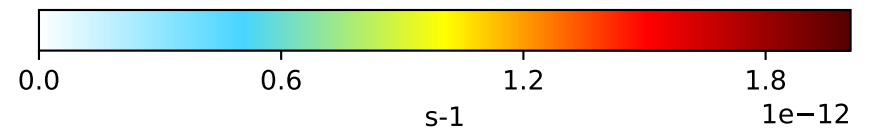
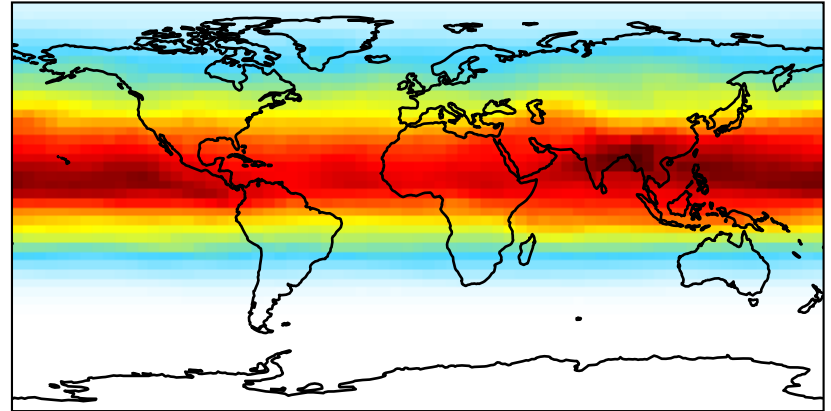


# Jval\_H1301

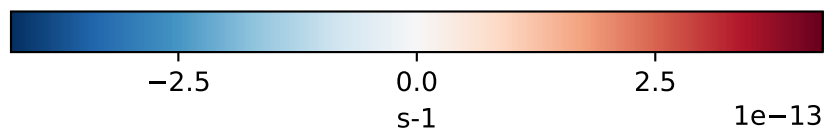
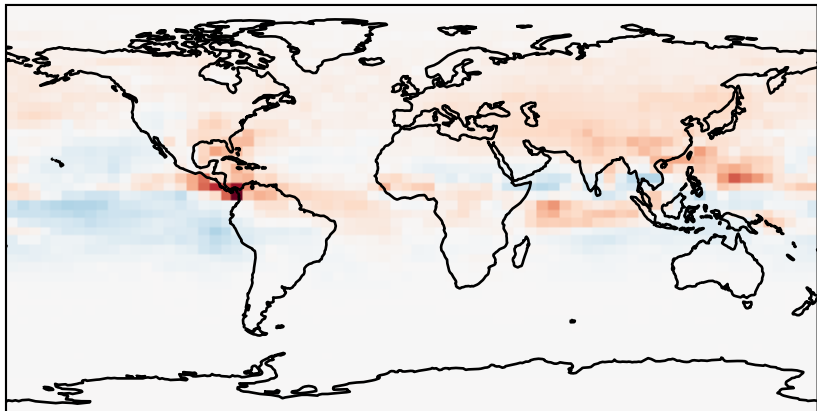
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



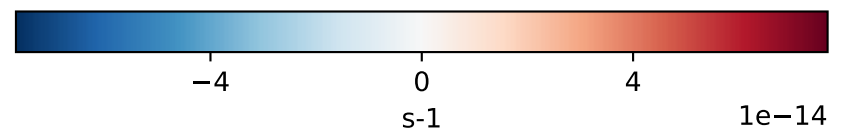
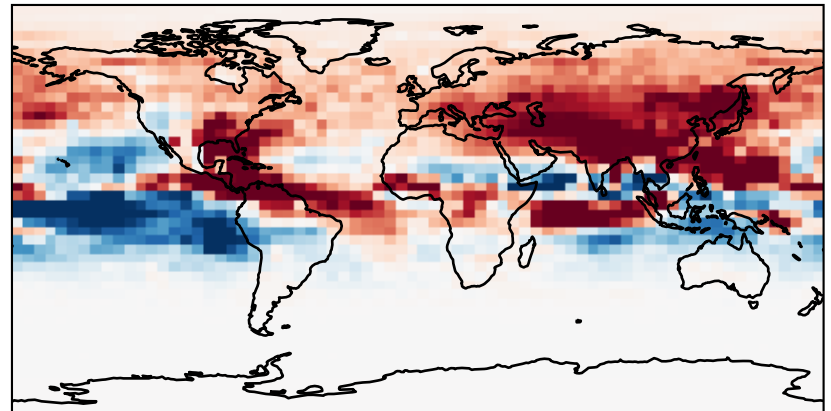
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



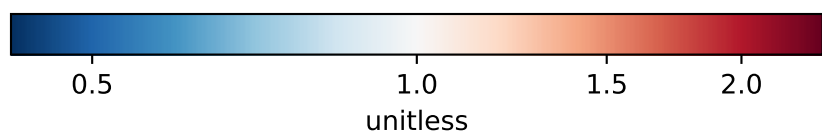
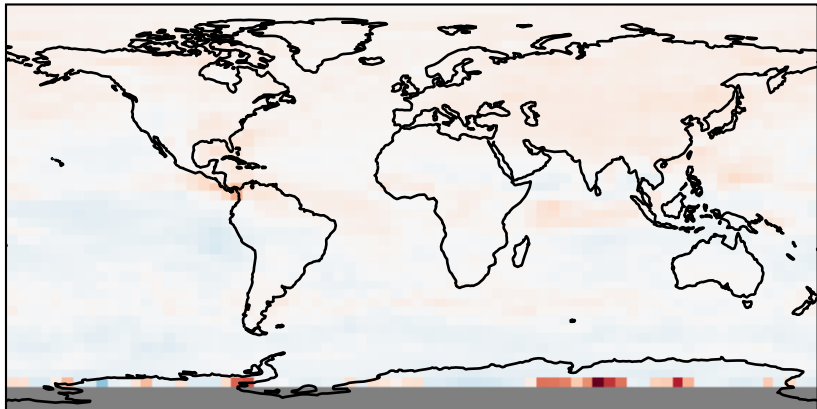
Difference  
Dev - Ref, Dynamic Range



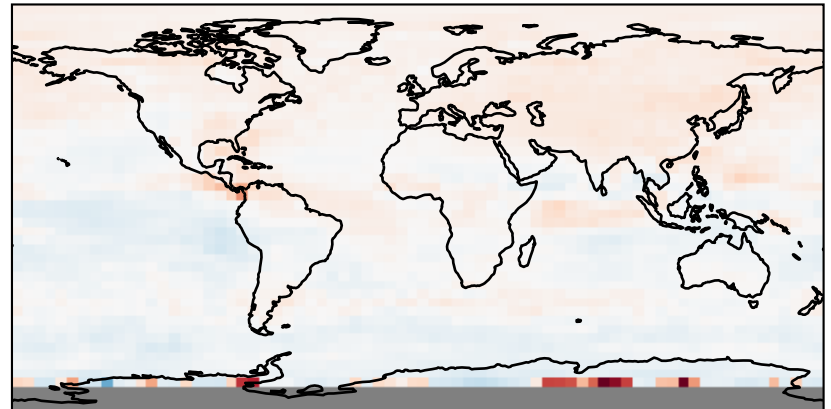
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

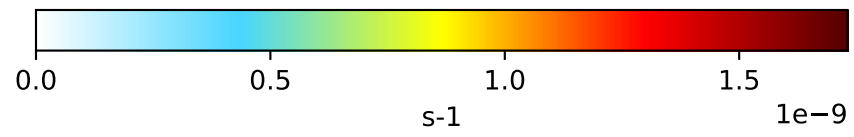
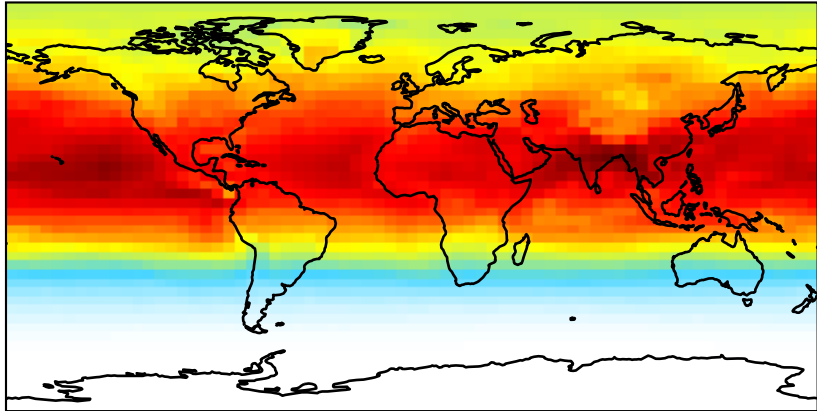


Ratio  
Dev/Ref, Fixed Range

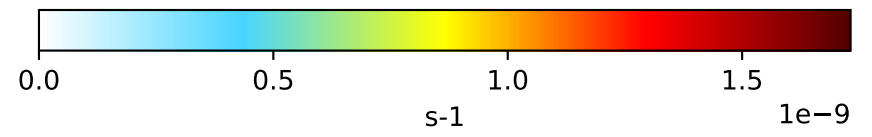
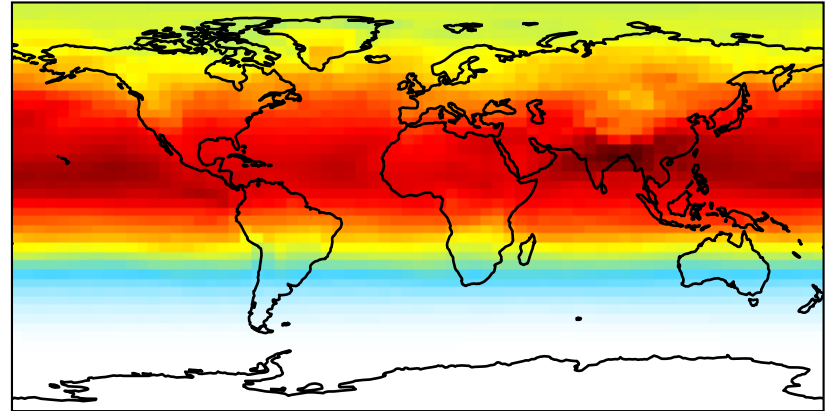


# Jval\_H2402

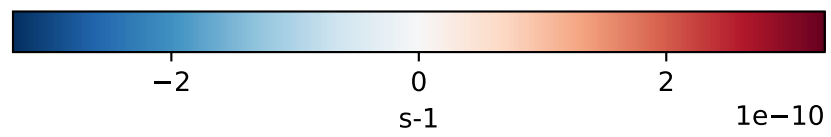
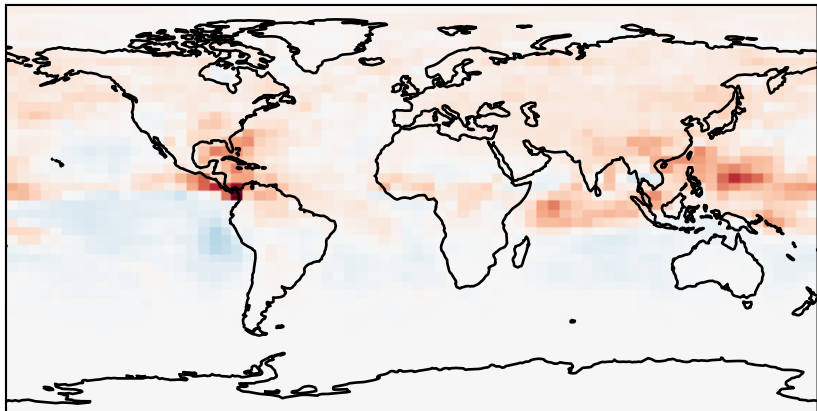
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



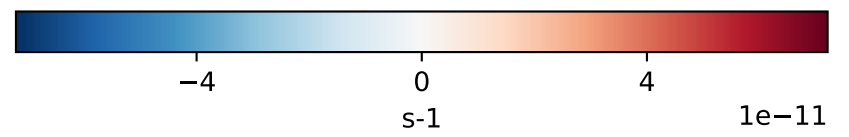
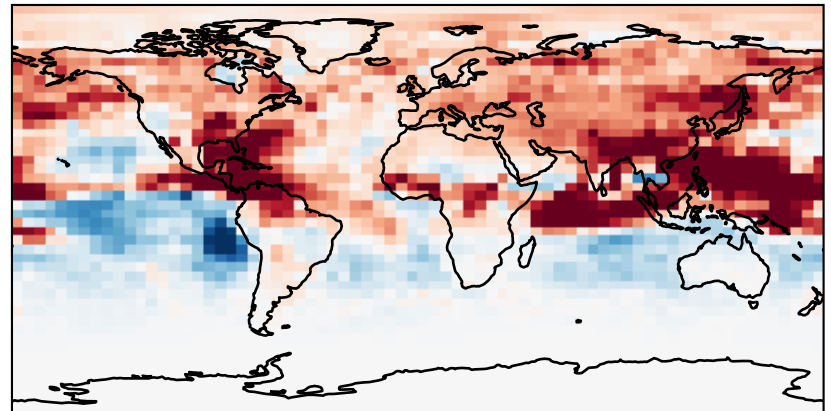
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



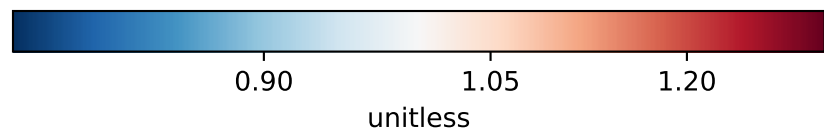
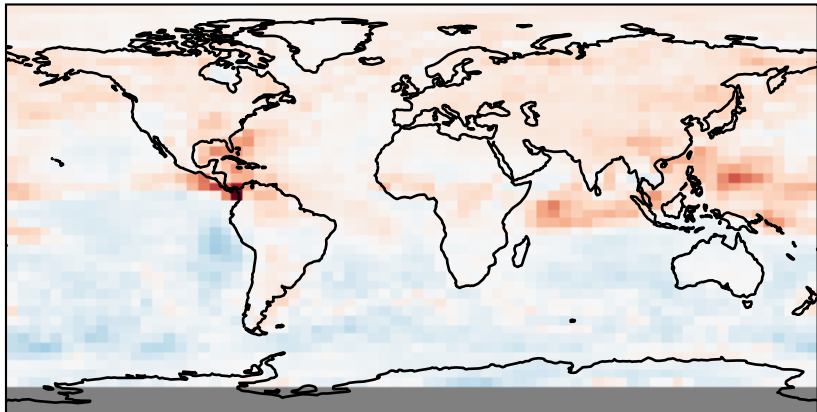
Difference  
Dev - Ref, Dynamic Range



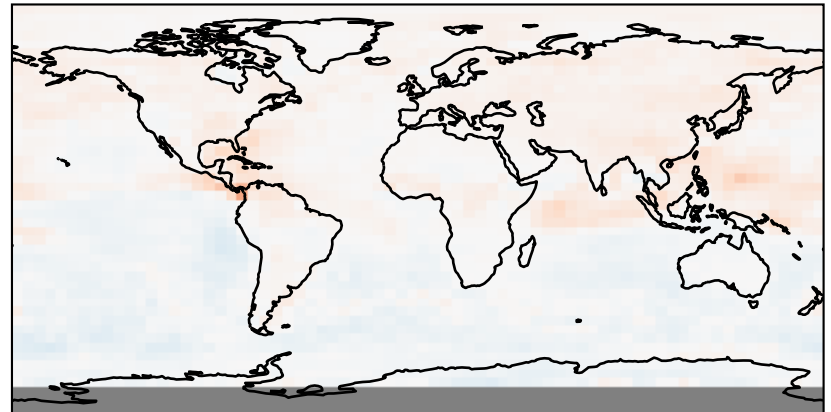
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

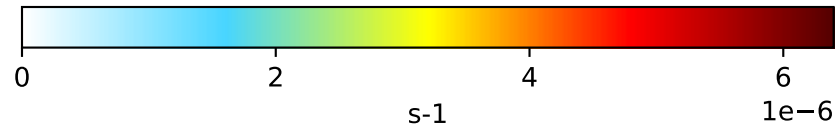
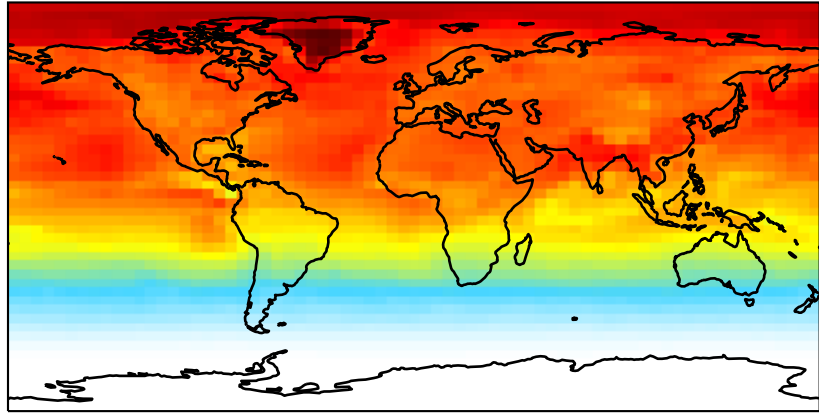


Ratio  
Dev/Ref, Fixed Range

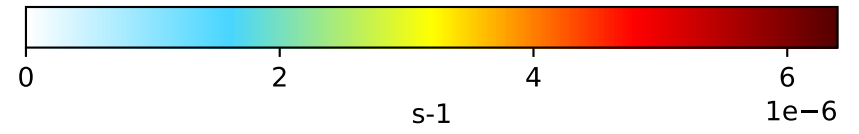
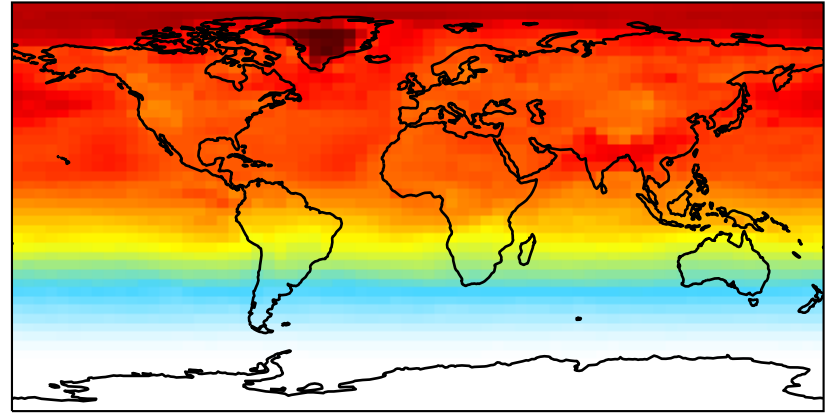


# Jval\_H2O2

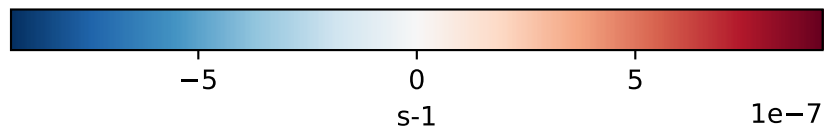
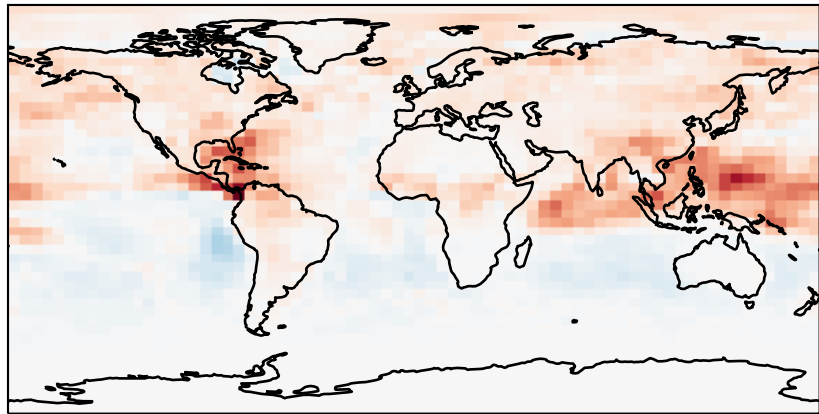
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



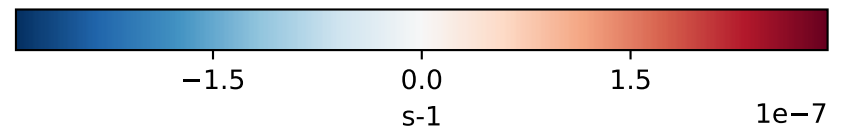
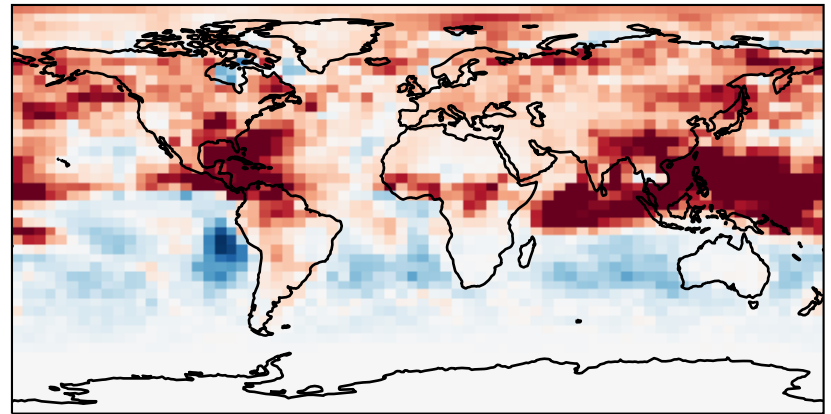
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



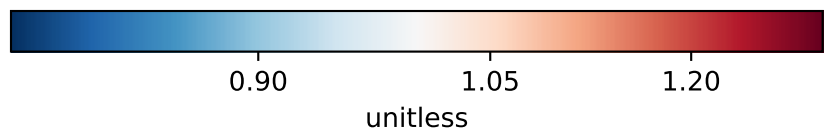
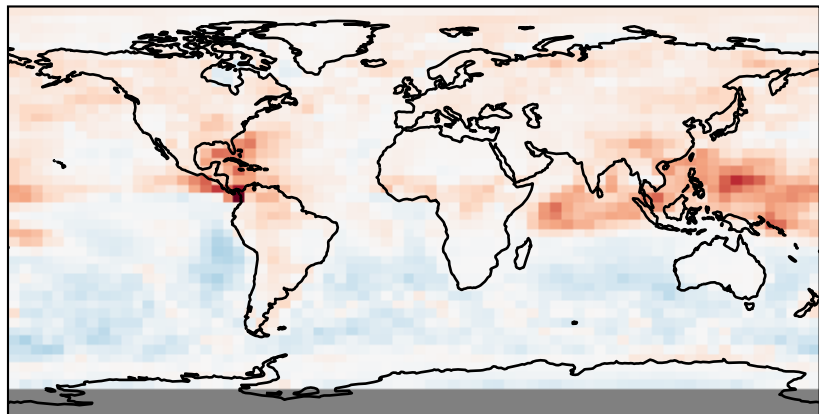
Difference  
Dev - Ref, Dynamic Range



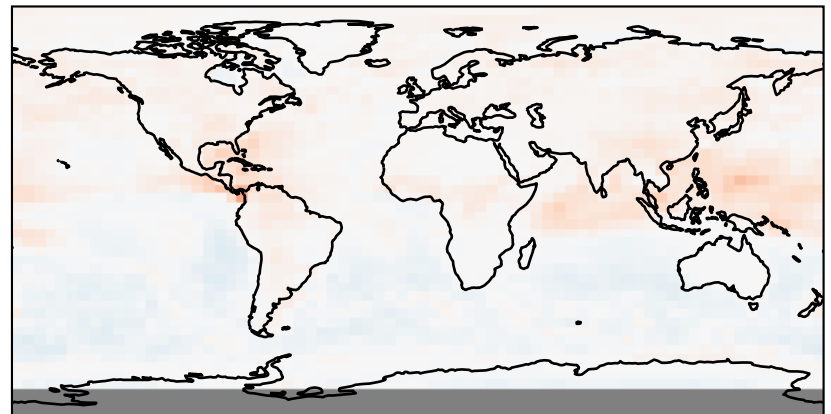
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

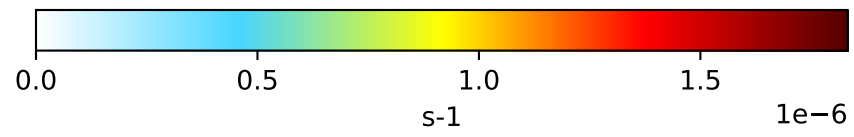
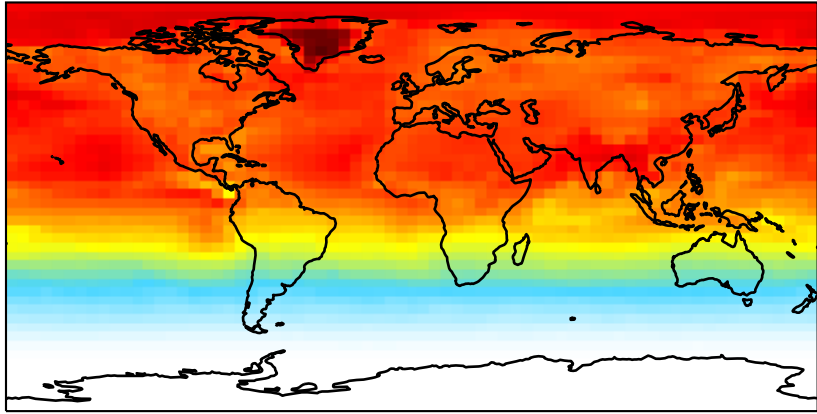


Ratio  
Dev/Ref, Fixed Range

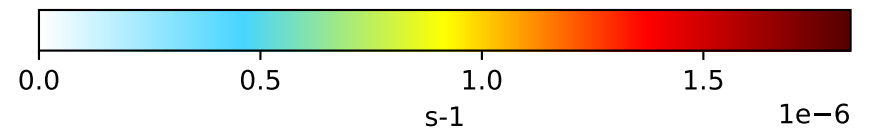
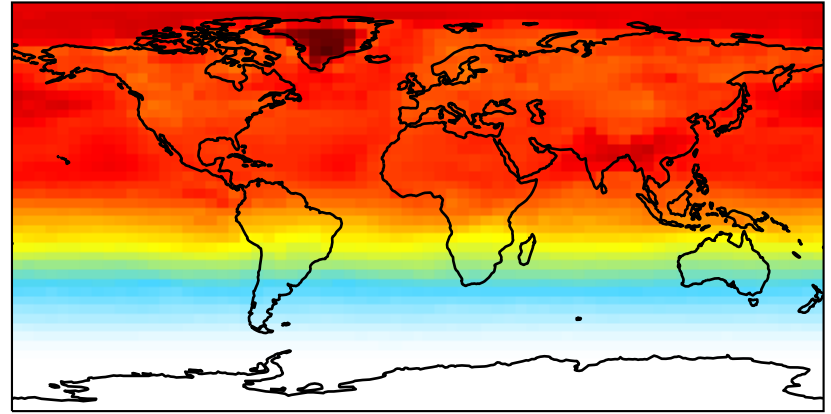


# Jval\_HAC

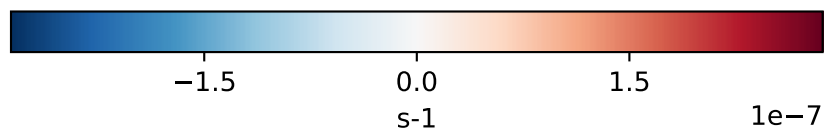
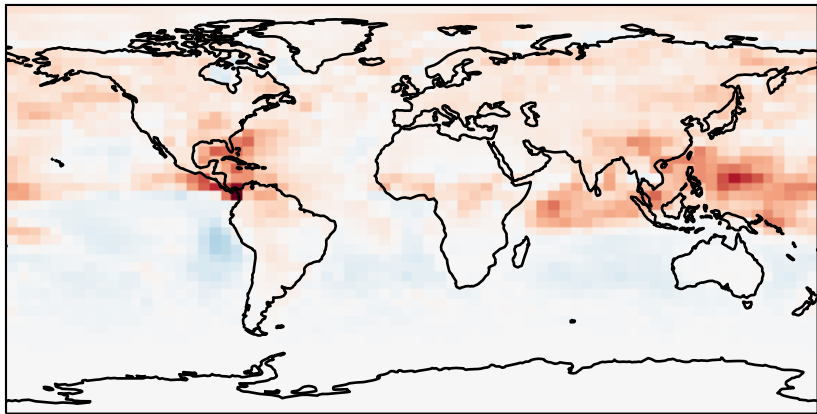
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



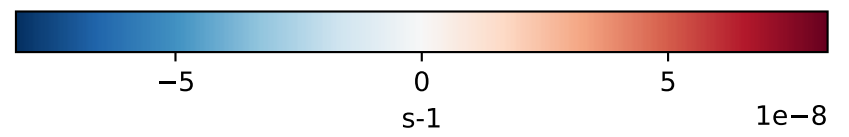
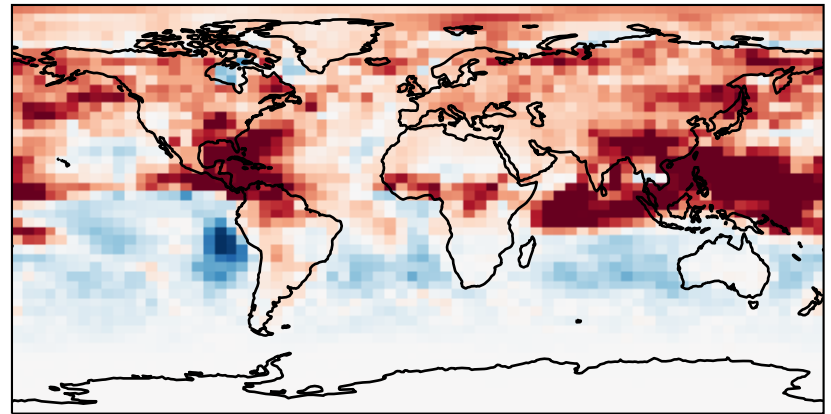
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



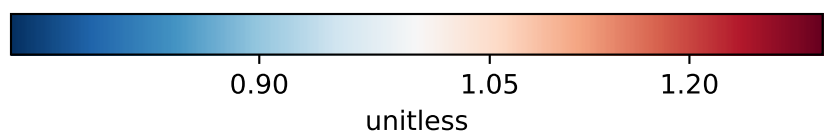
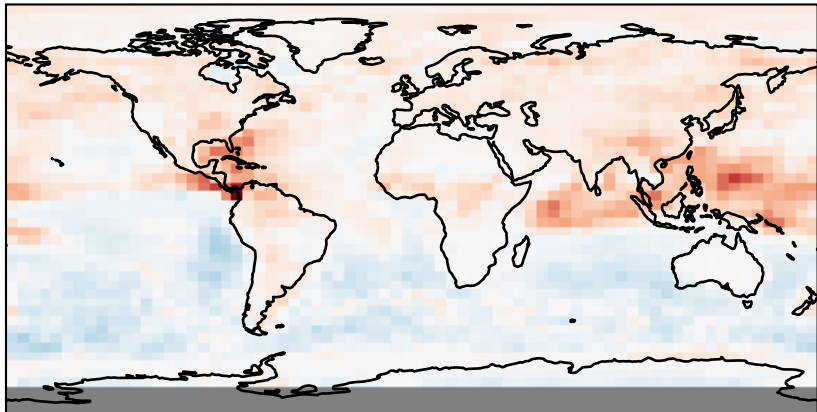
Difference  
Dev - Ref, Dynamic Range



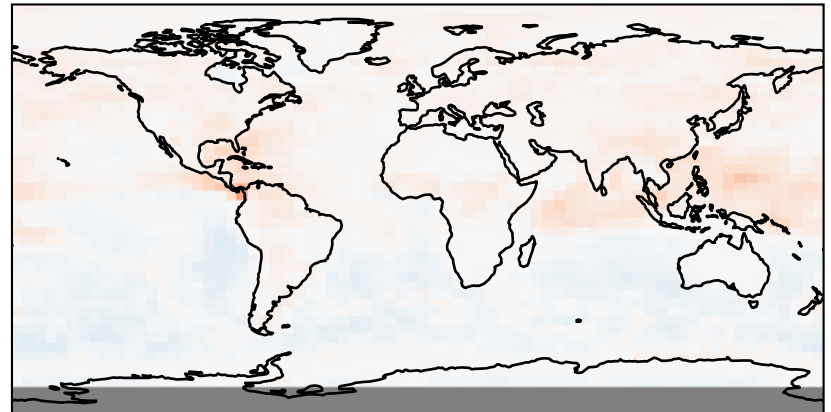
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range





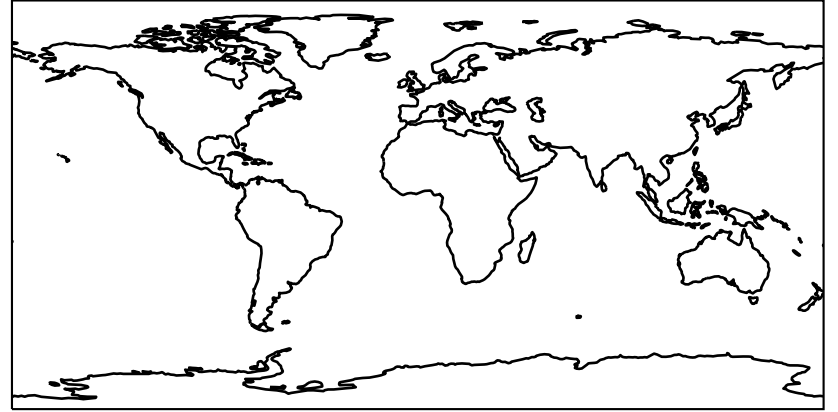
# Jval\_HC5A

GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



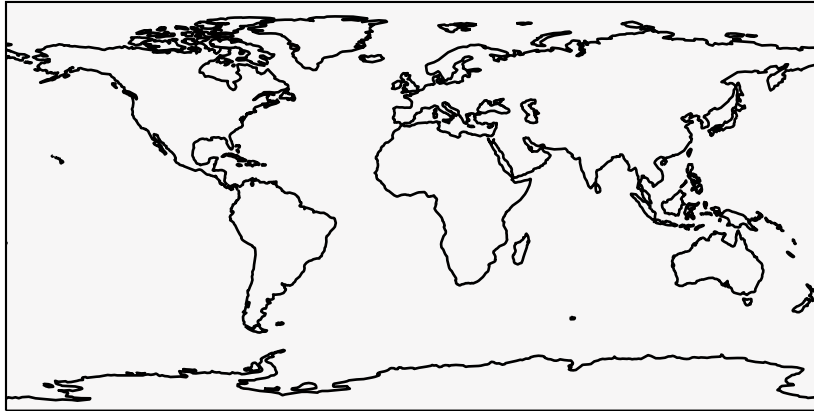
Zero throughout domain  
s-1

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



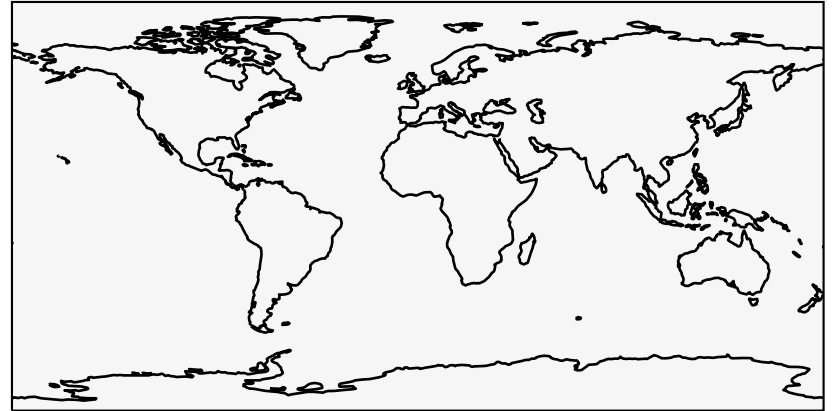
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



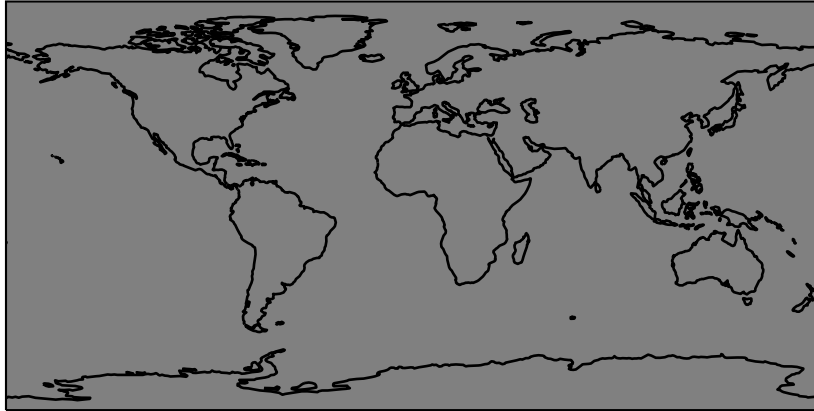
Zero throughout domain  
s-1

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



Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

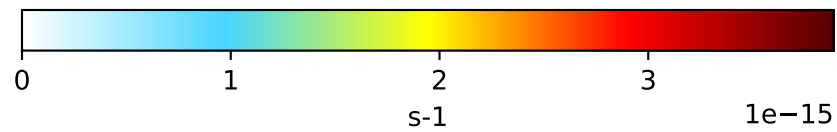
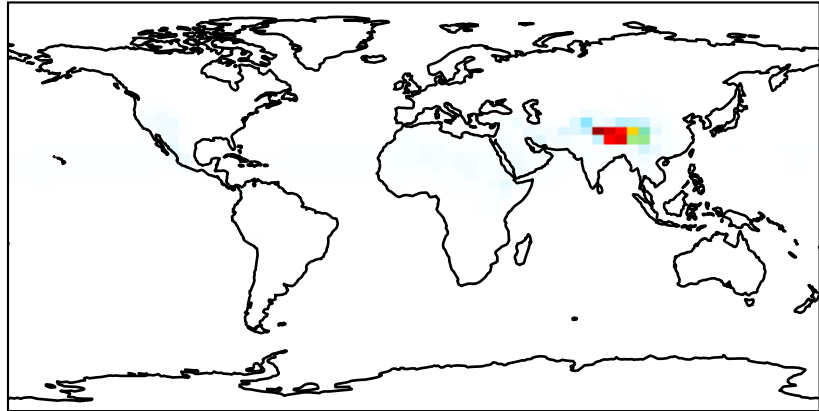
Ratio  
Dev/Ref, Fixed Range



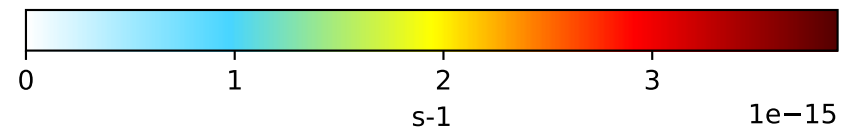
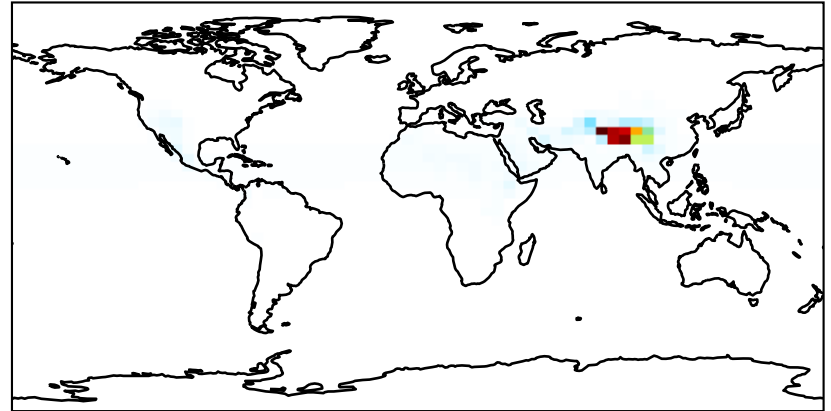
Undefined throughout domain  
unitless

# Jval\_HCFC123

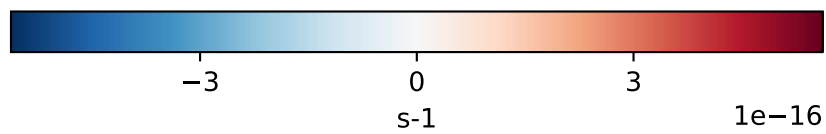
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



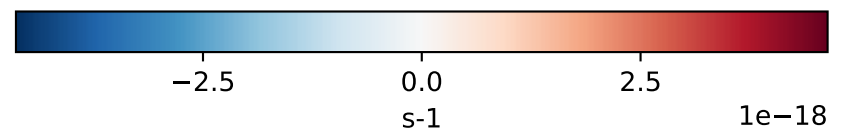
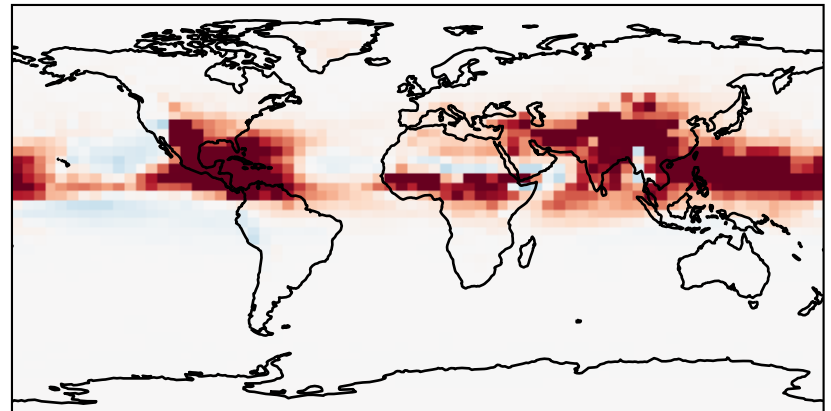
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



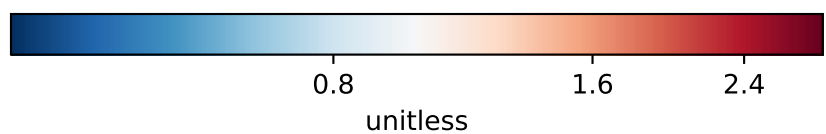
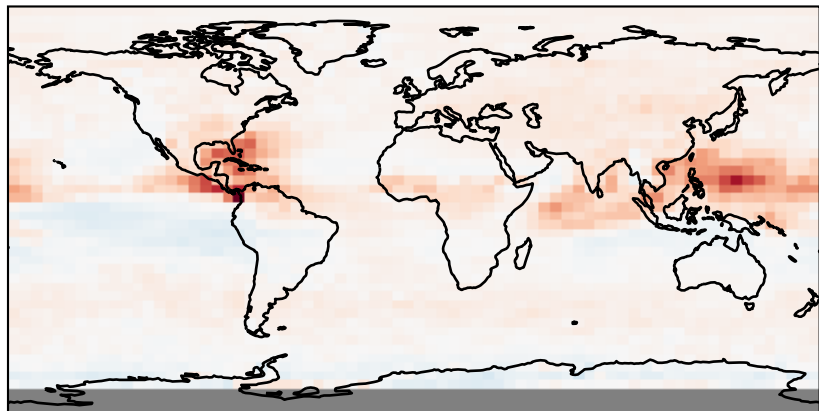
Difference  
Dev - Ref, Dynamic Range



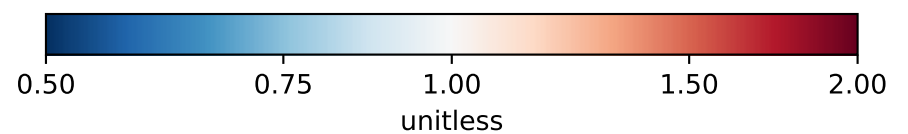
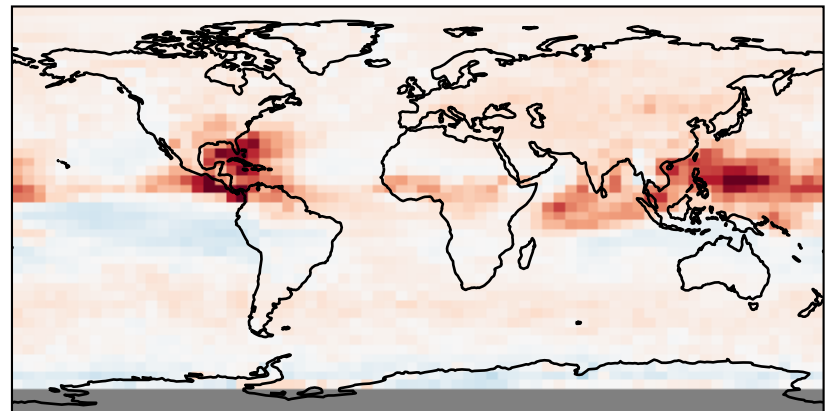
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

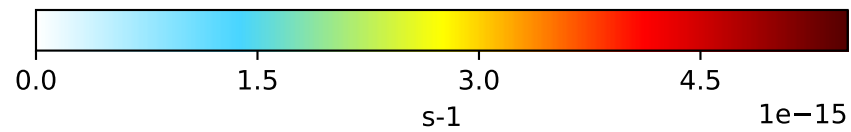


Ratio  
Dev/Ref, Fixed Range

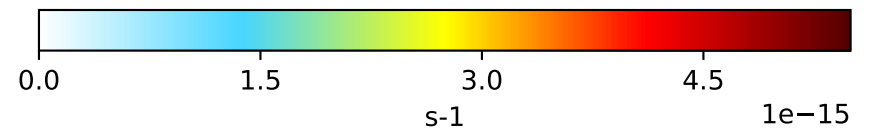
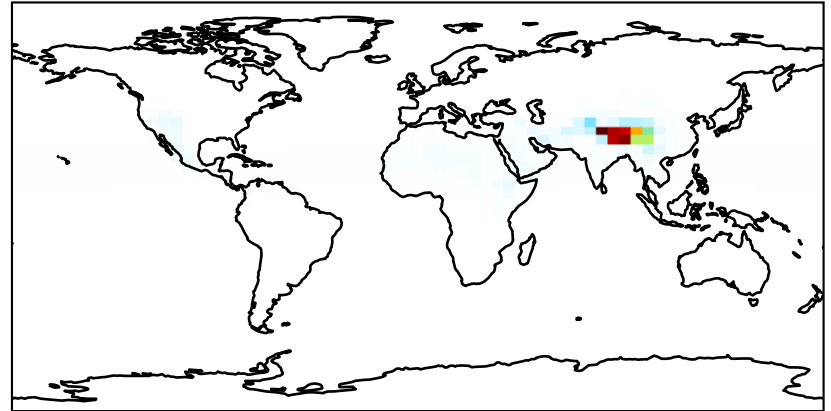


# Jval\_HCFC141b

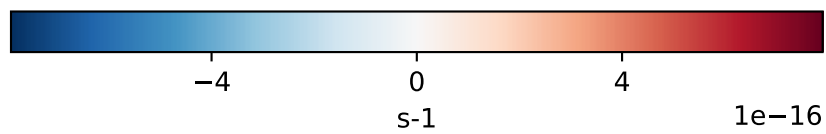
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



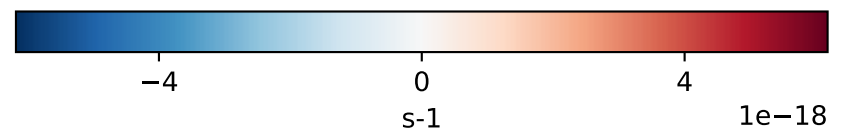
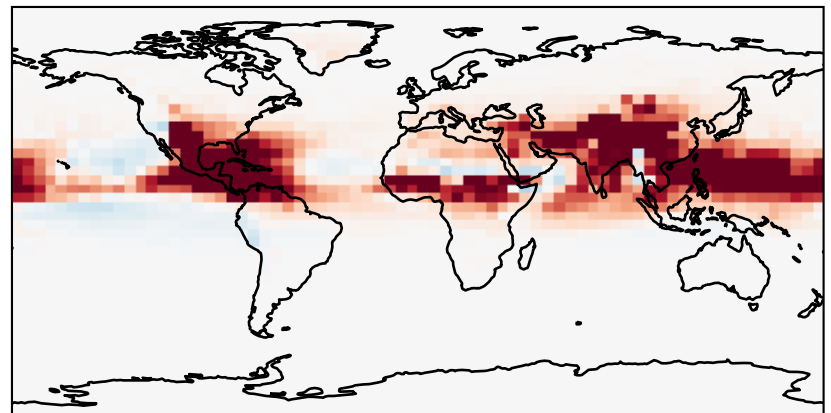
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



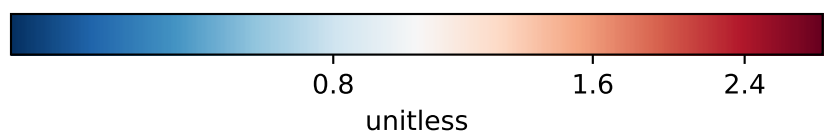
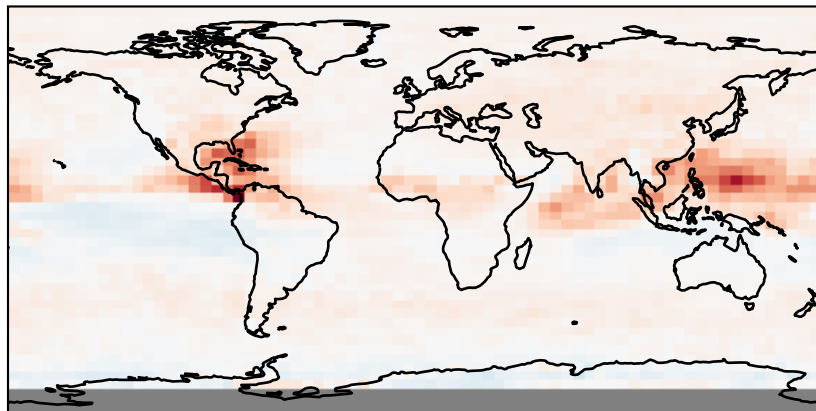
Difference  
Dev - Ref, Dynamic Range



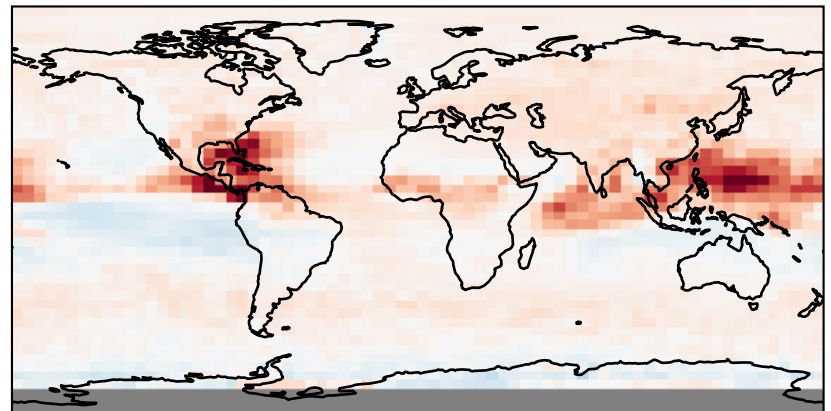
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

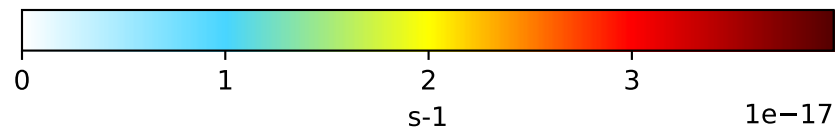
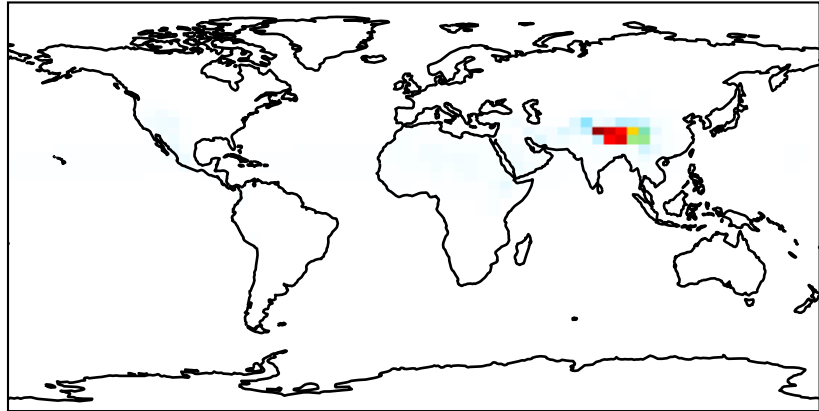


Ratio  
Dev/Ref, Fixed Range

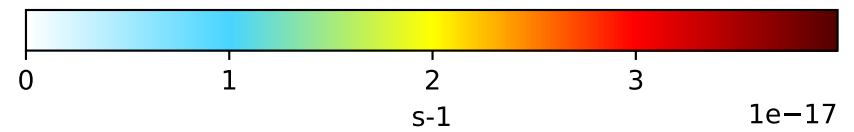
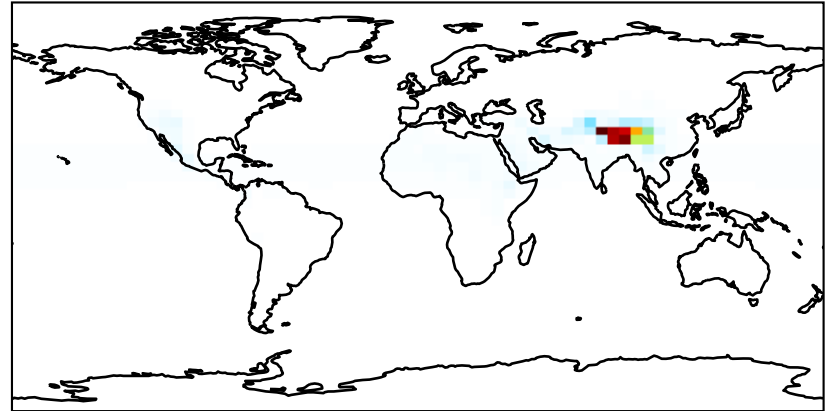


# Jval\_HCFC142b

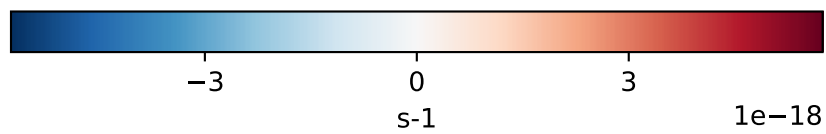
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



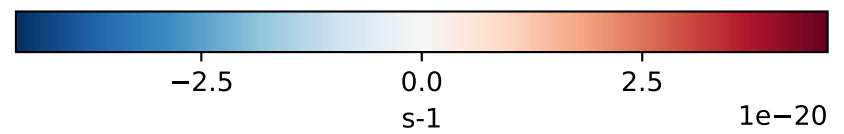
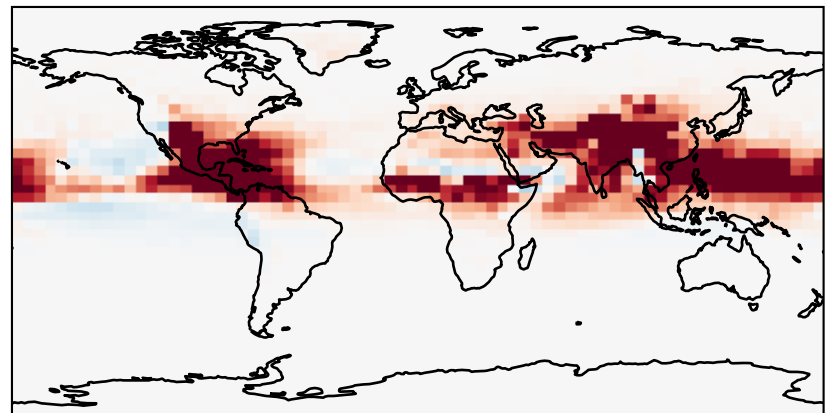
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



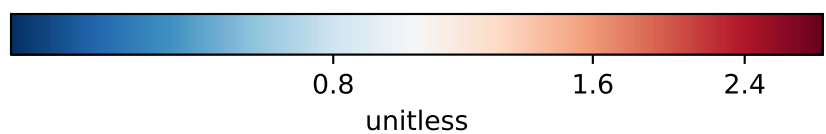
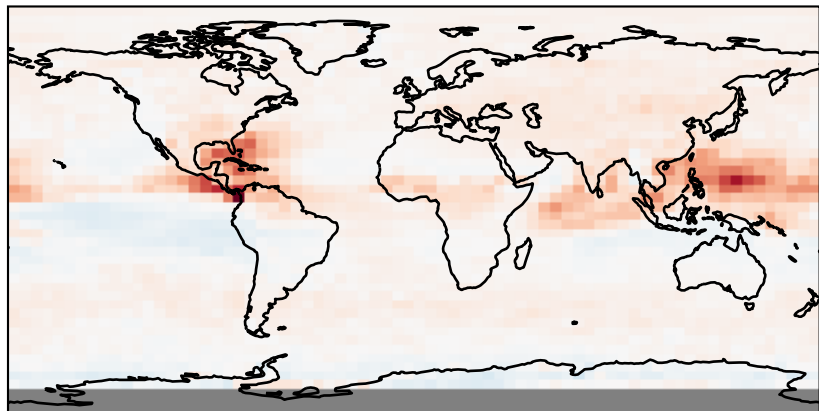
Difference  
Dev - Ref, Dynamic Range



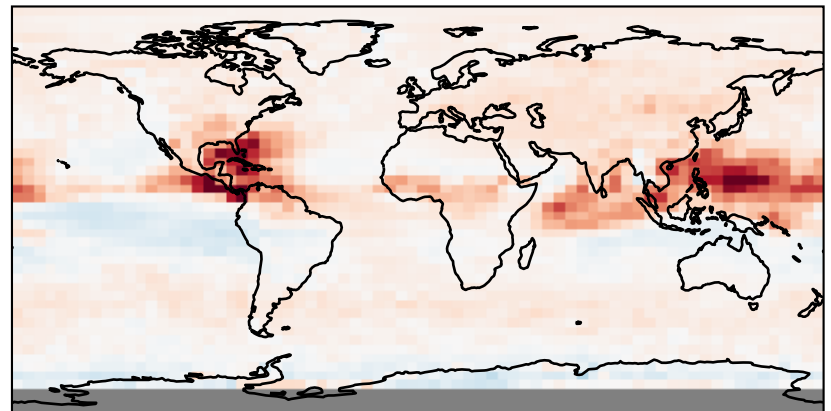
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

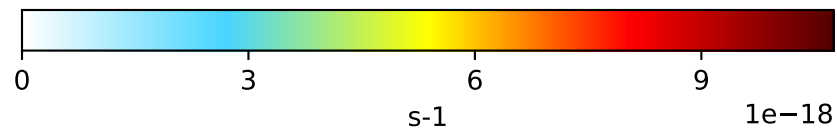


Ratio  
Dev/Ref, Fixed Range

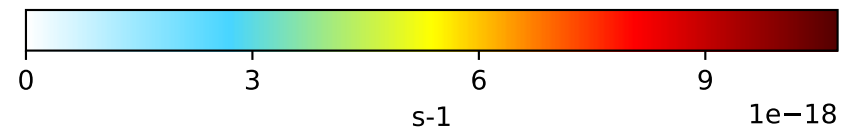


# Jval\_HCFC22

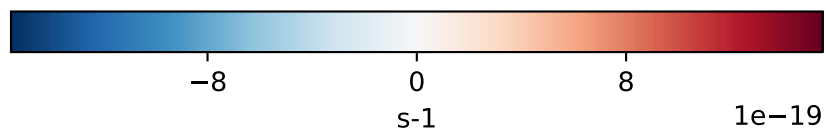
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



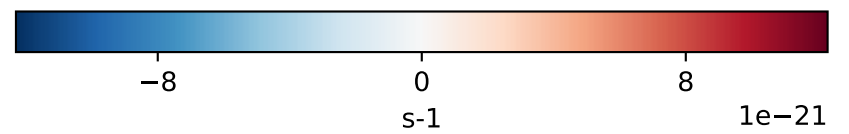
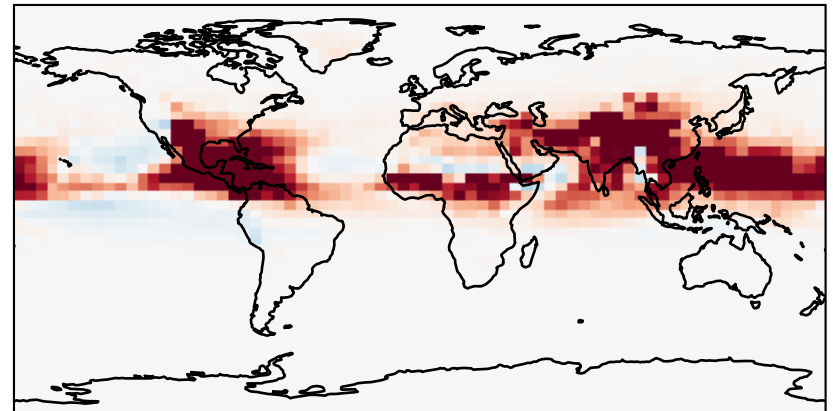
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



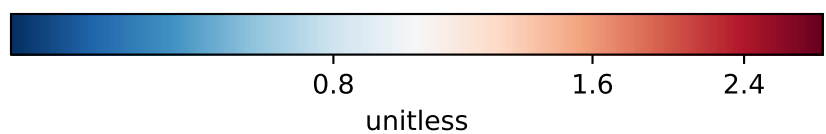
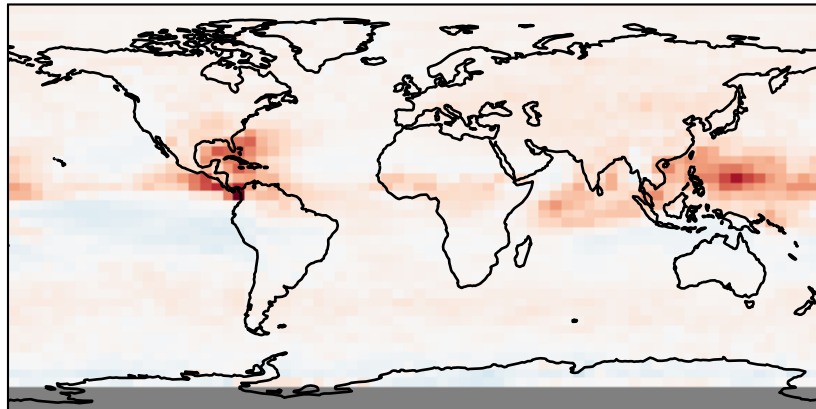
Difference  
Dev - Ref, Dynamic Range



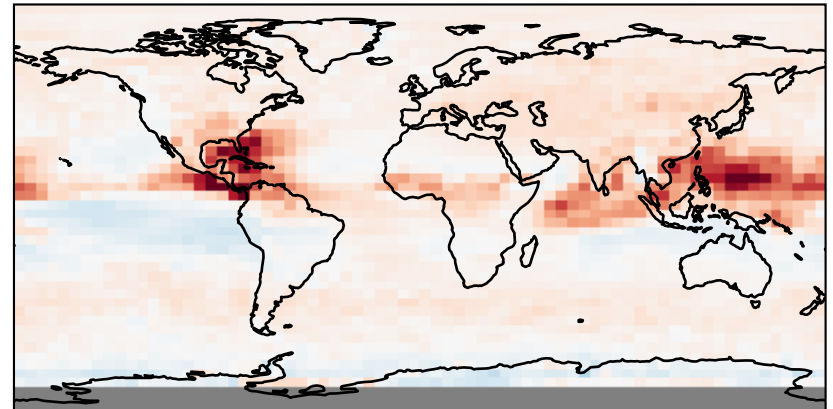
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

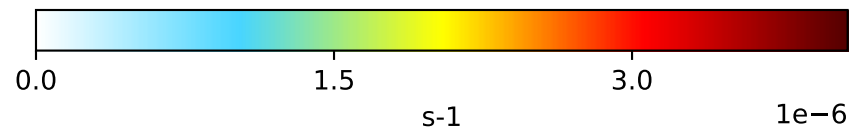
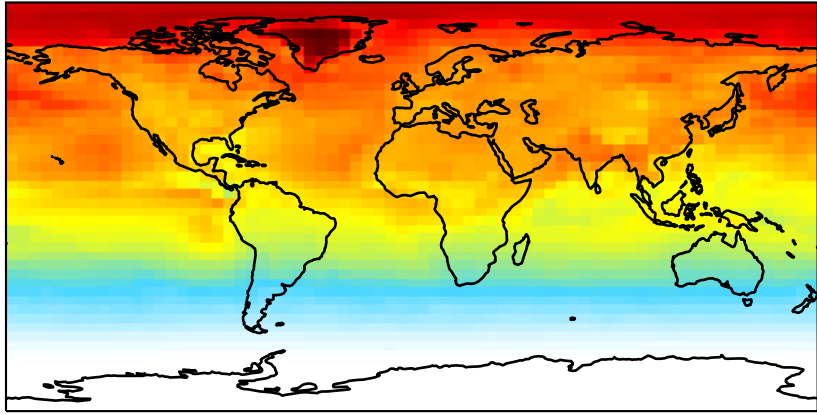


Ratio  
Dev/Ref, Fixed Range

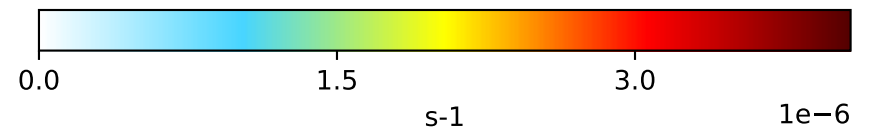
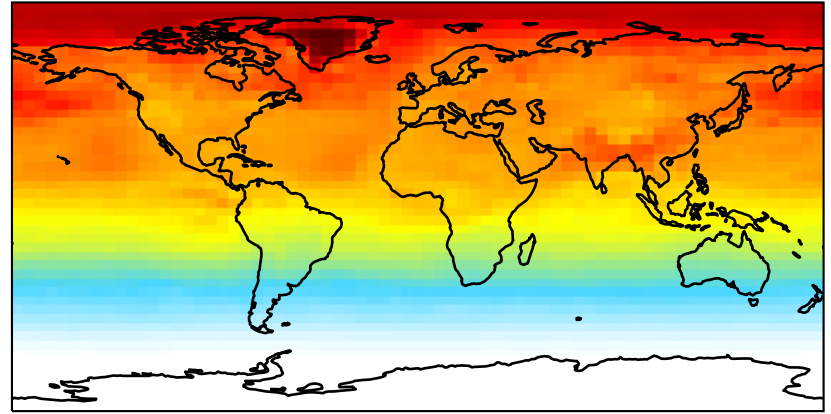


# Jval\_HMHP

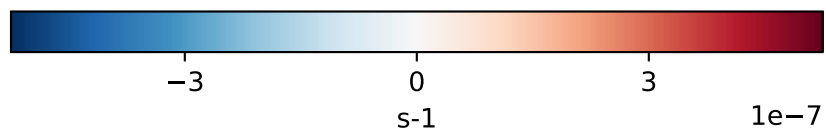
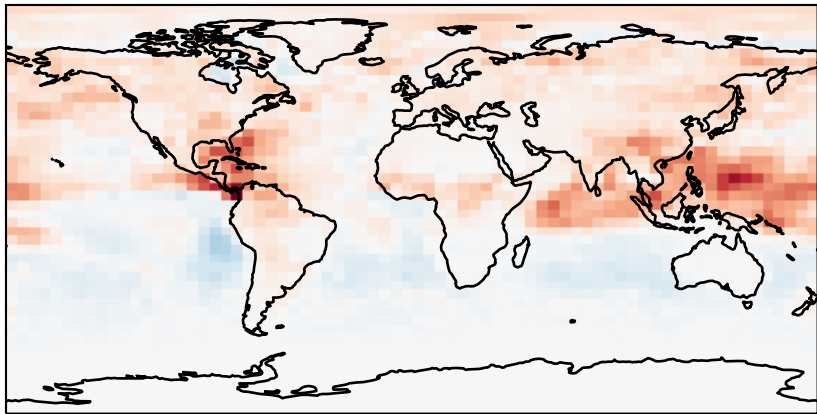
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



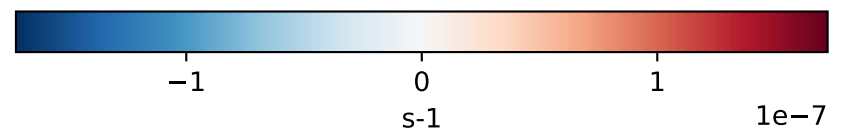
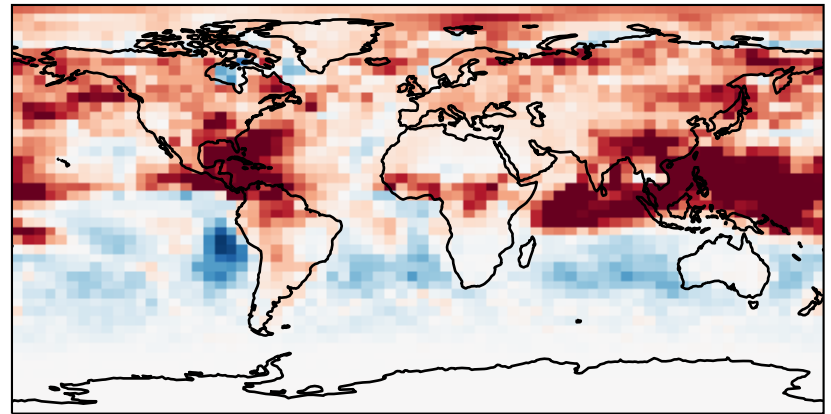
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



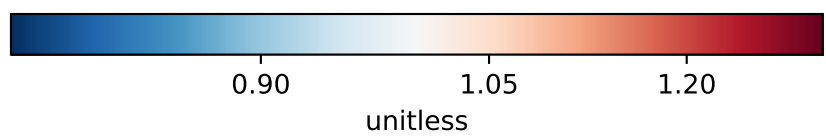
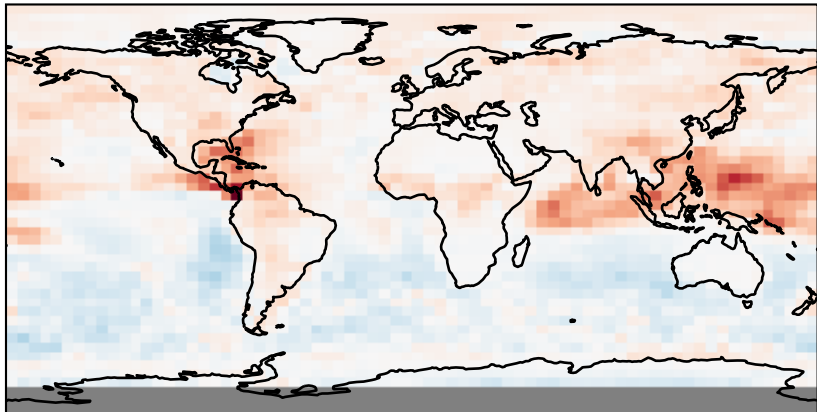
Difference  
Dev - Ref, Dynamic Range



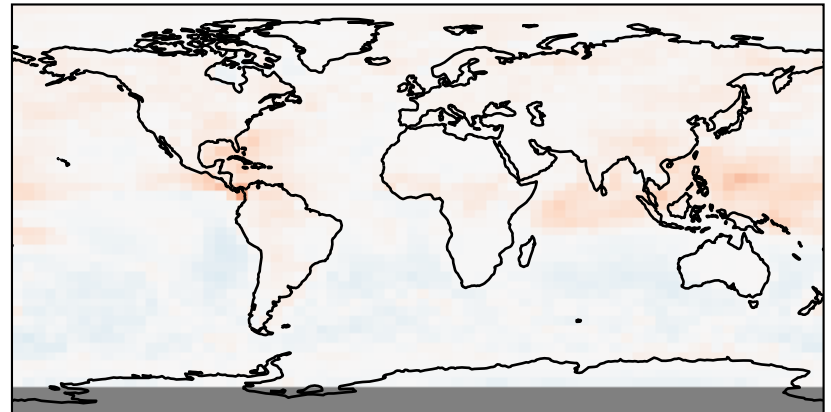
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

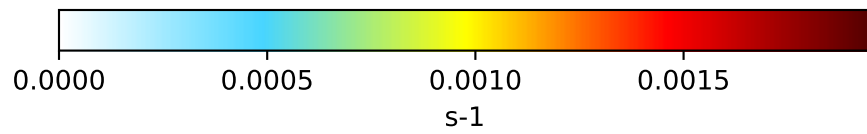
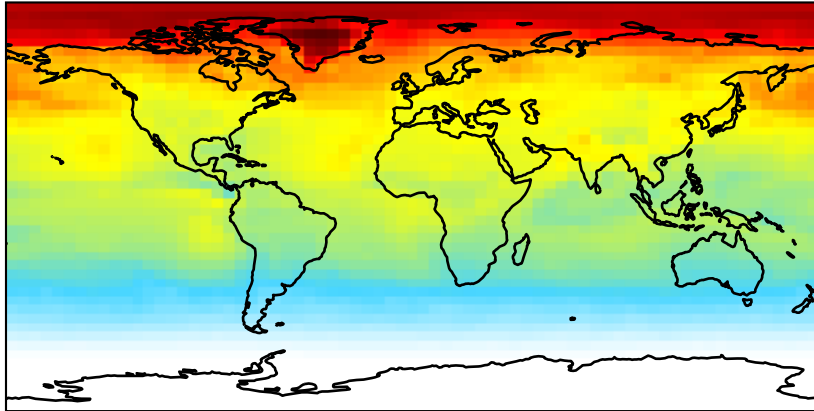


Ratio  
Dev/Ref, Fixed Range

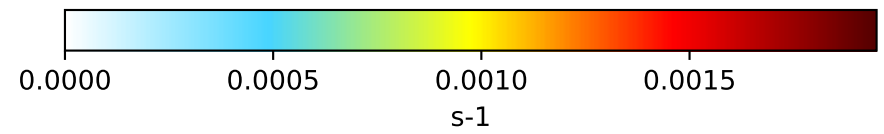
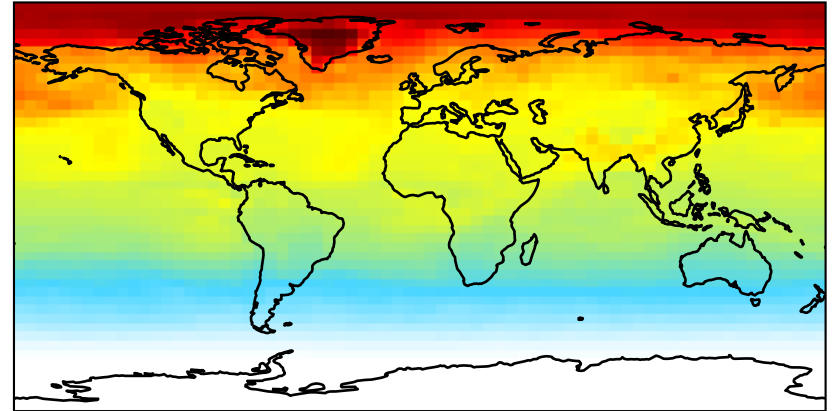


# Jval\_HNO2

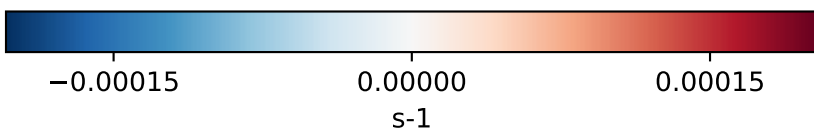
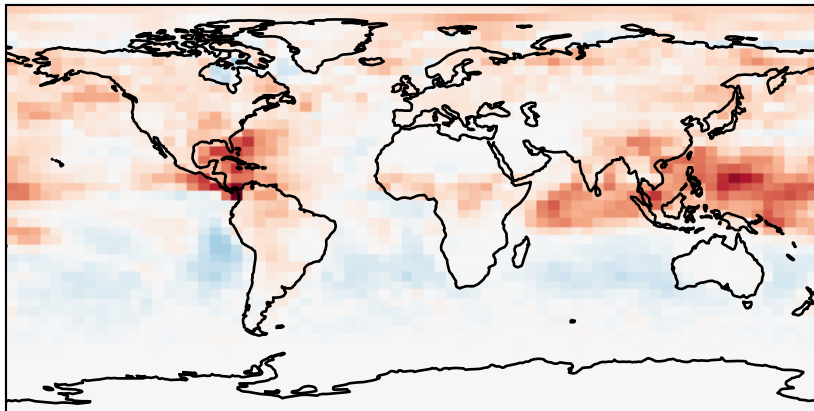
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



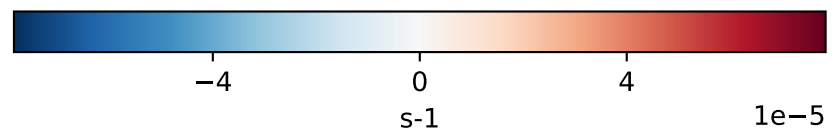
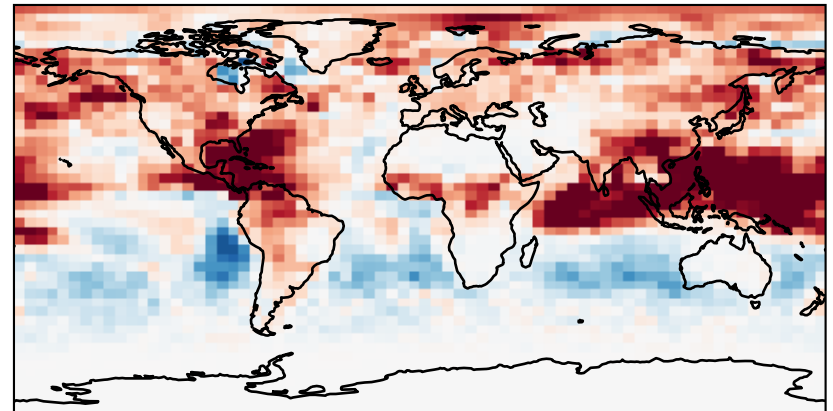
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



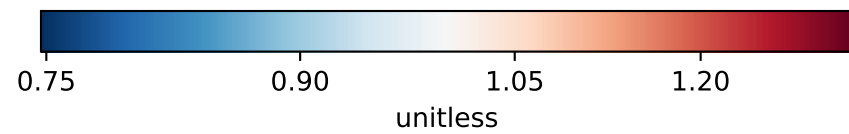
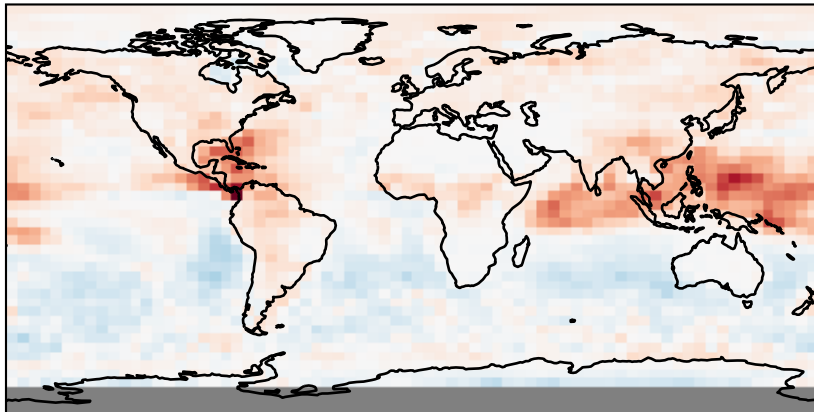
Difference  
Dev - Ref, Dynamic Range



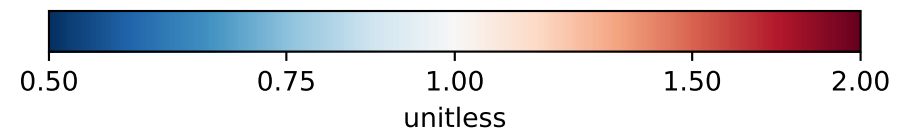
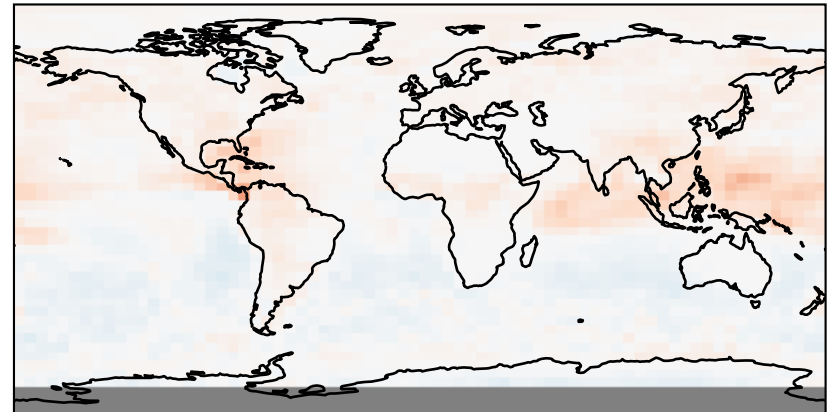
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

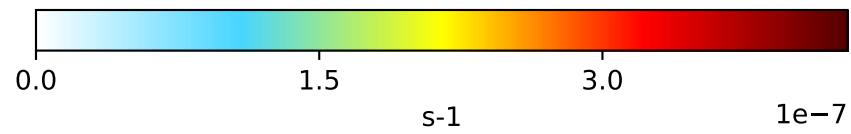
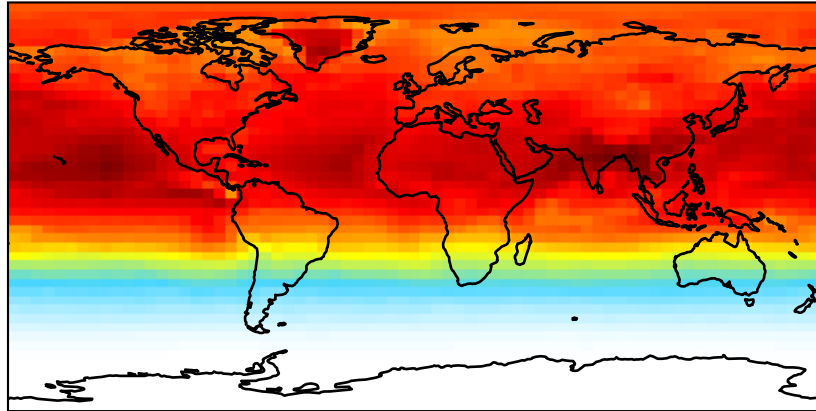


Ratio  
Dev/Ref, Fixed Range

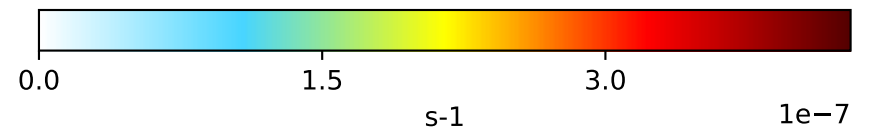
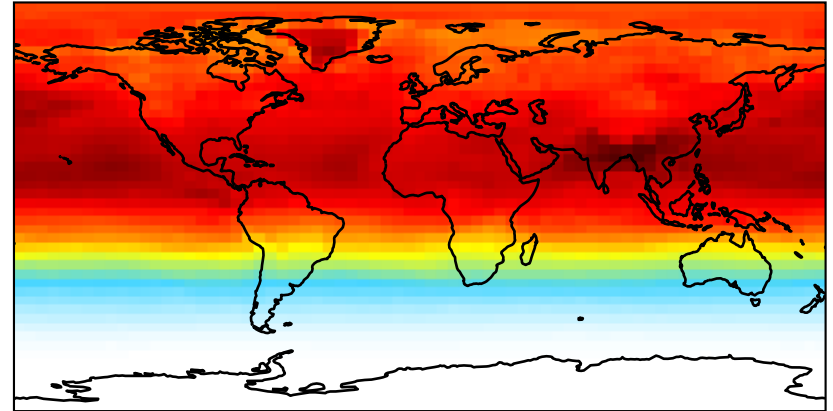


# Jval\_HNO3

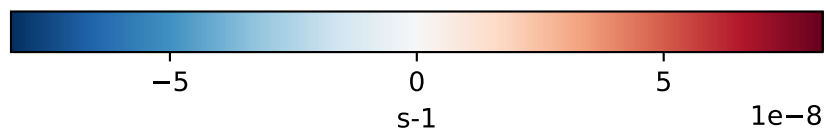
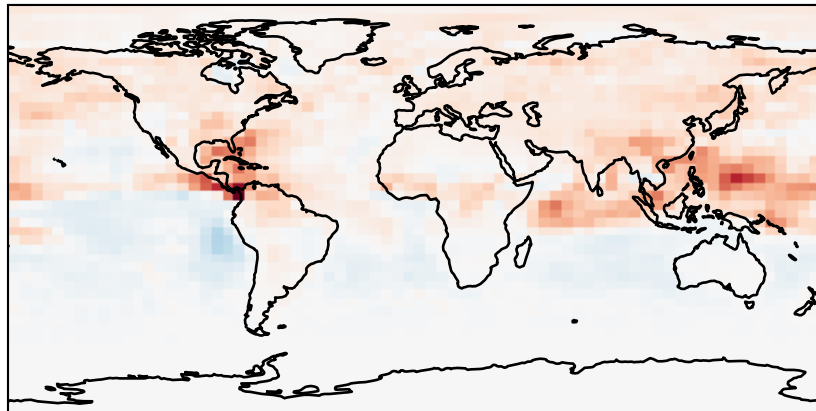
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



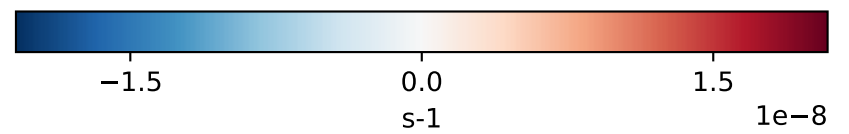
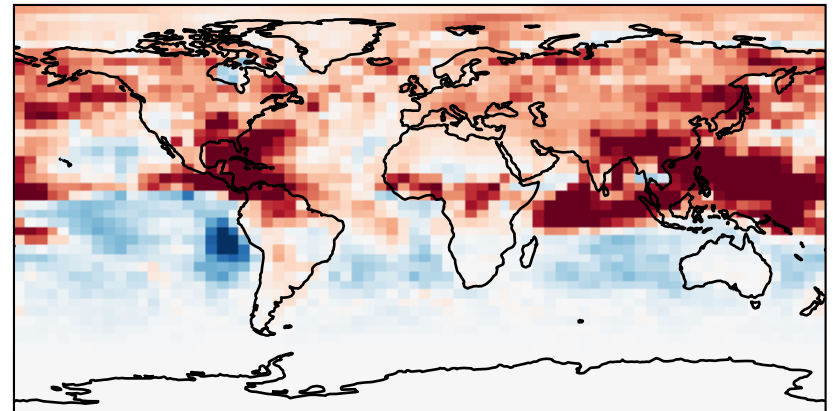
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



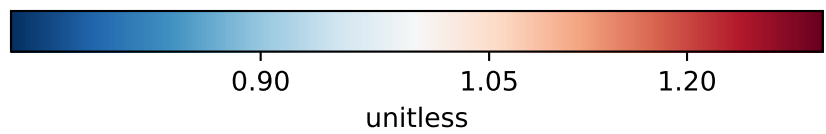
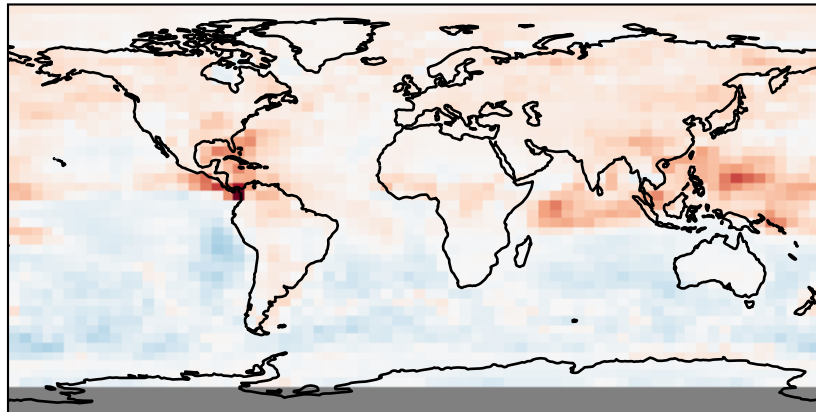
Difference  
Dev - Ref, Dynamic Range



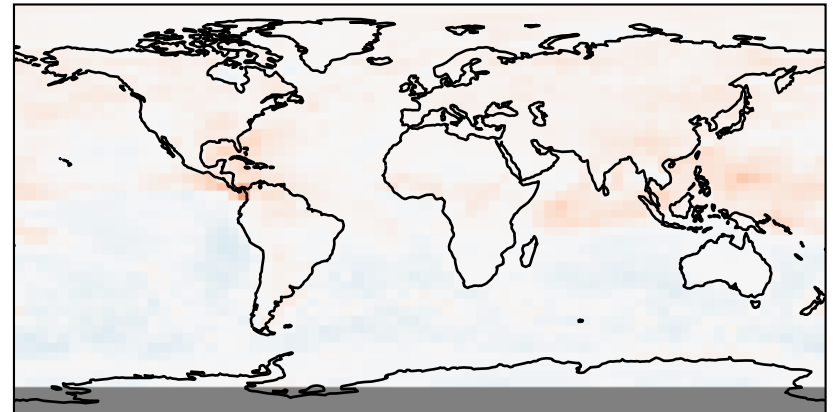
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



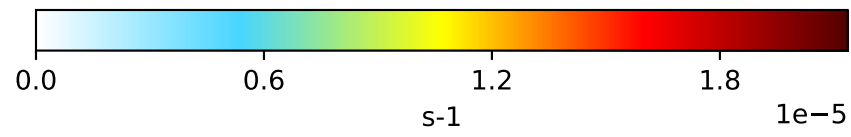
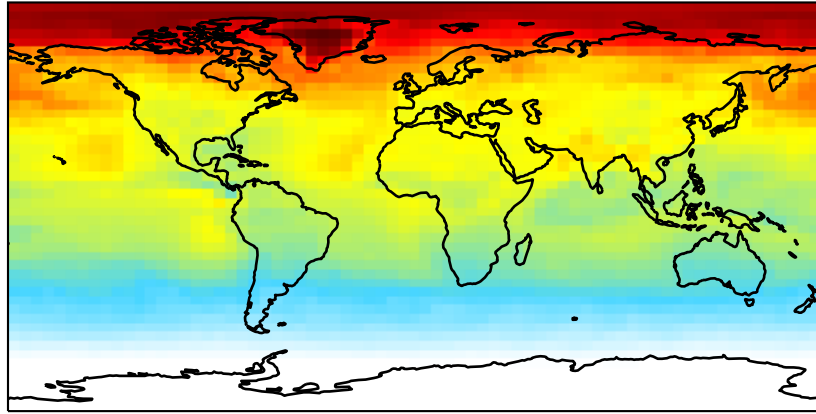
Ratio  
Dev/Ref, Fixed Range



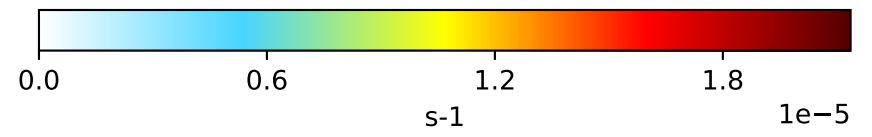
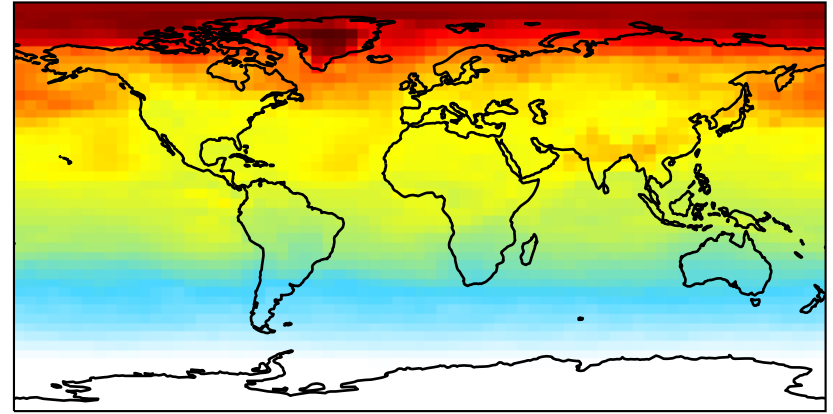


# Jval\_HNO4

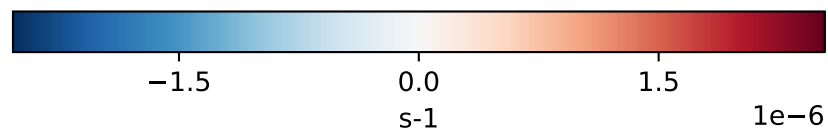
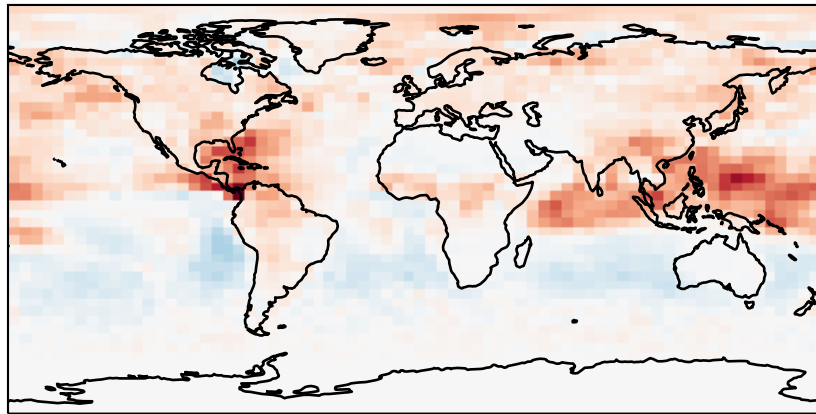
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



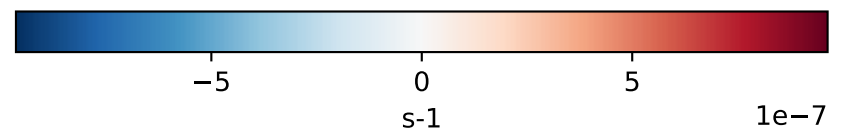
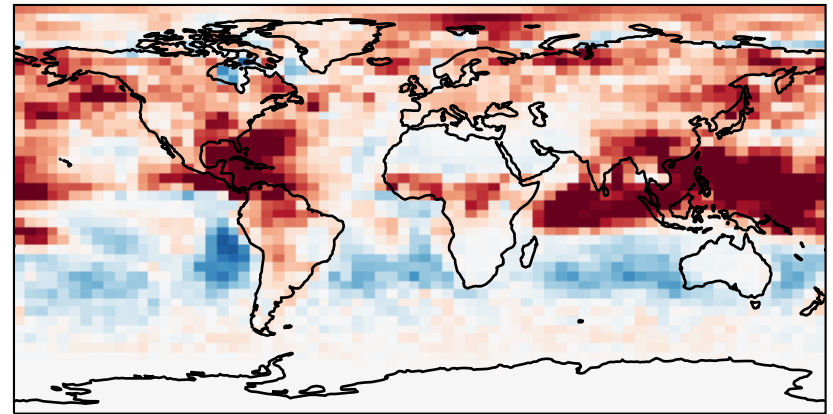
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



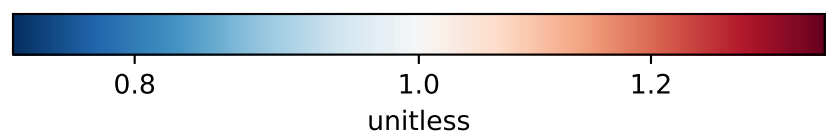
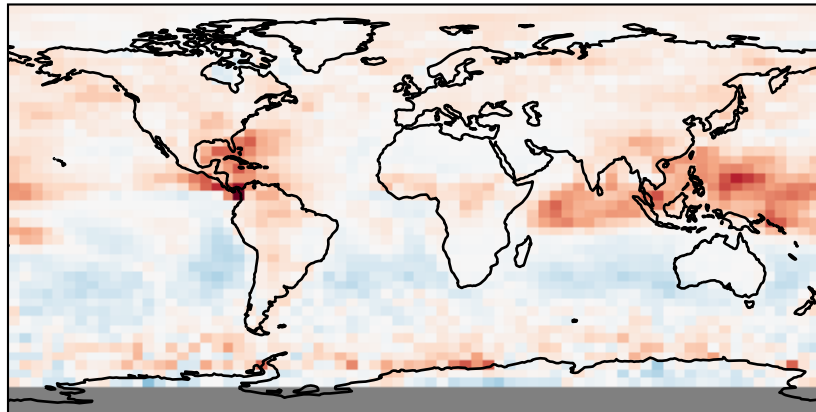
Difference  
Dev - Ref, Dynamic Range



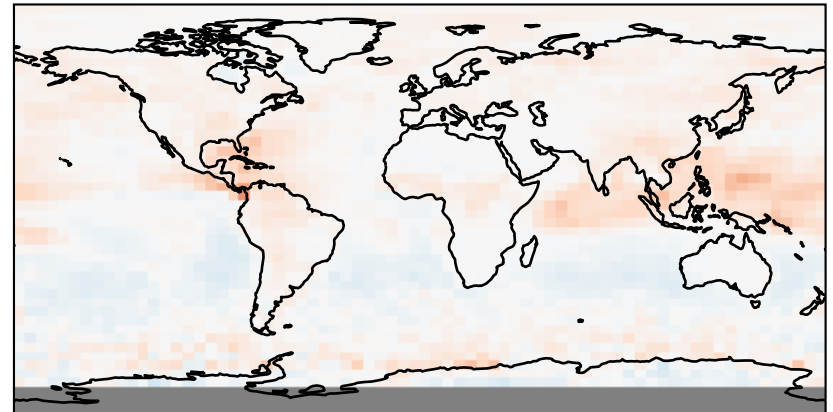
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

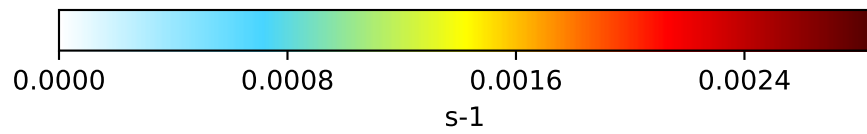
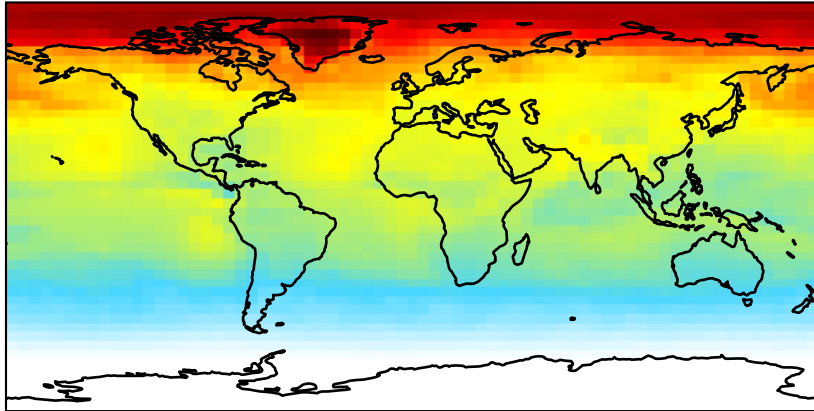


Ratio  
Dev/Ref, Fixed Range

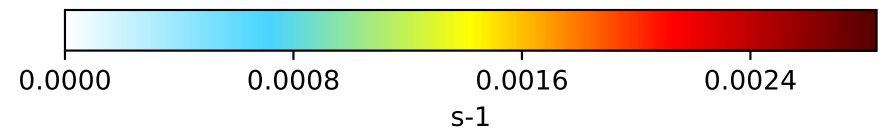
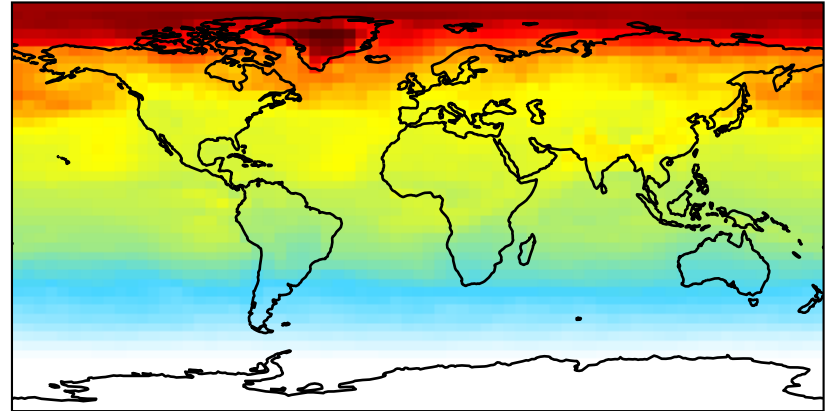


# Jval\_HOBr

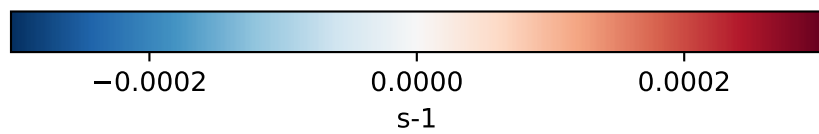
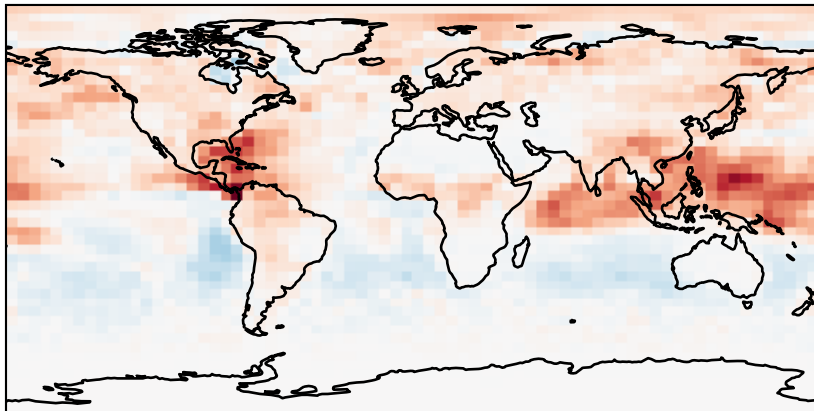
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



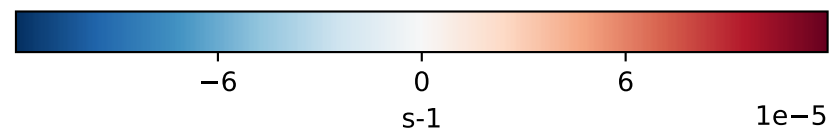
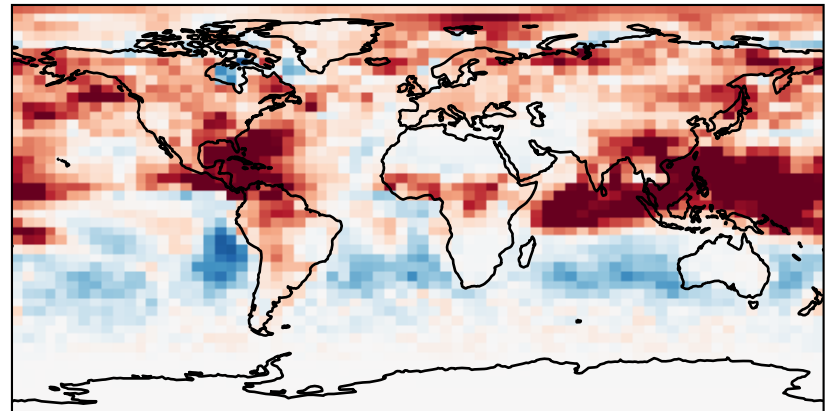
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



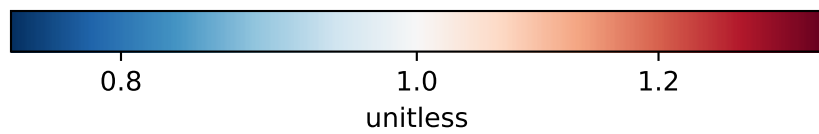
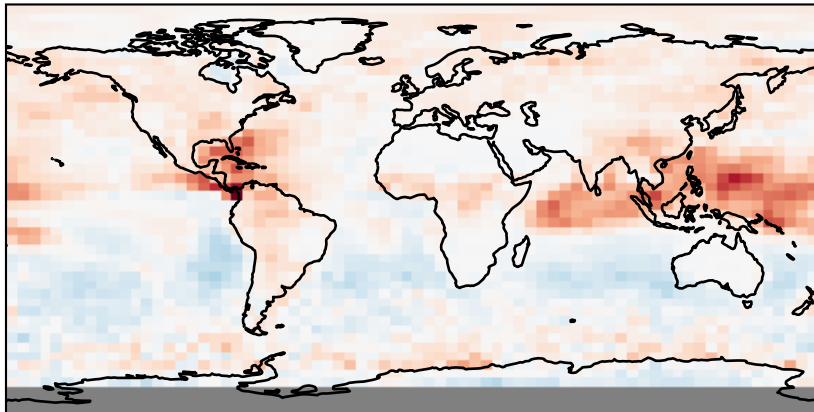
Difference  
Dev - Ref, Dynamic Range



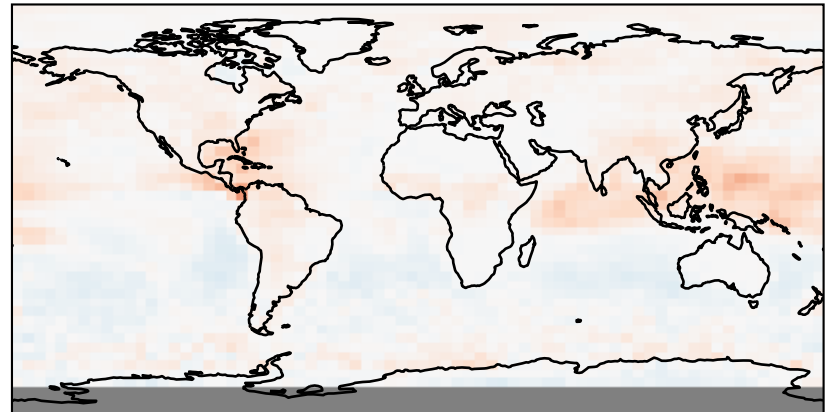
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

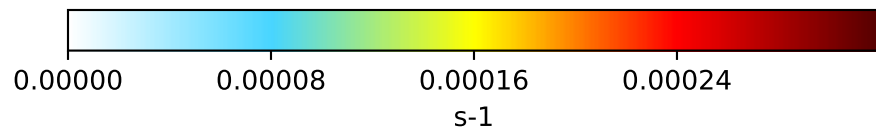
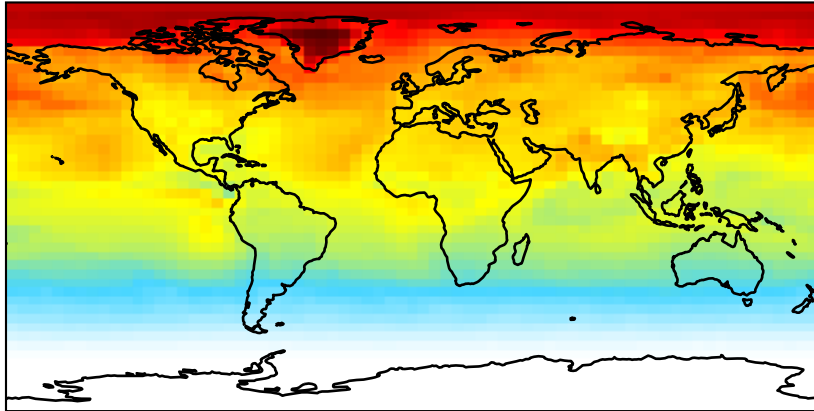


Ratio  
Dev/Ref, Fixed Range

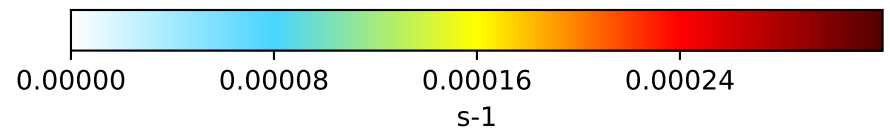
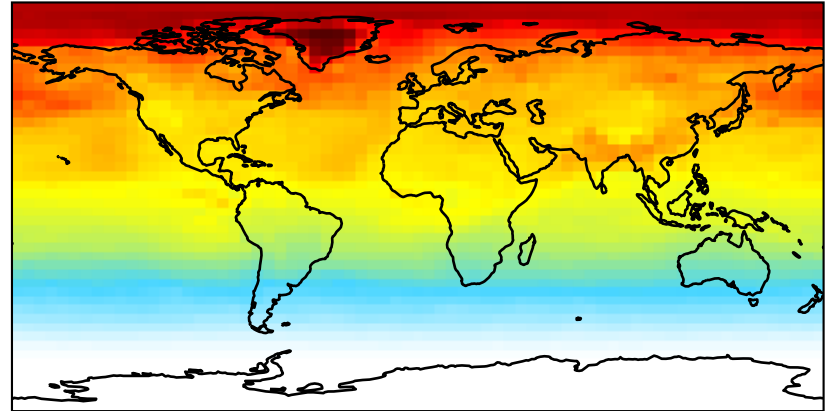


# Jval\_HOCl

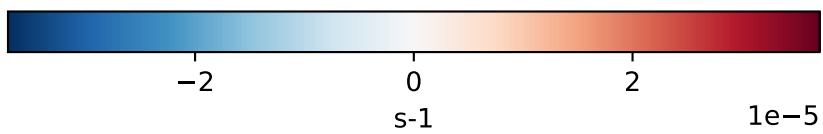
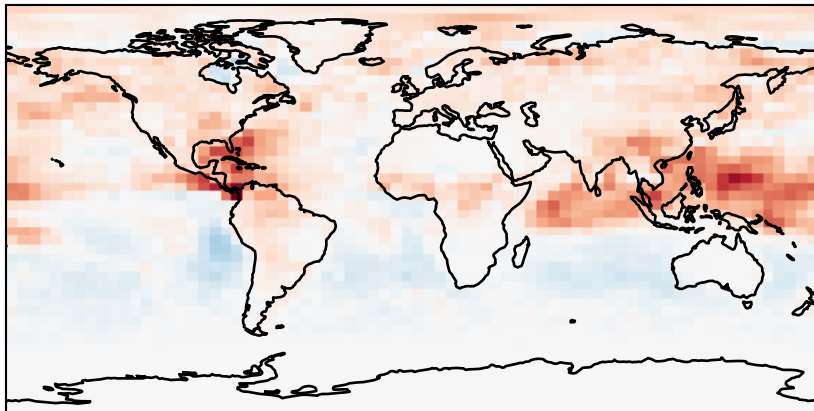
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



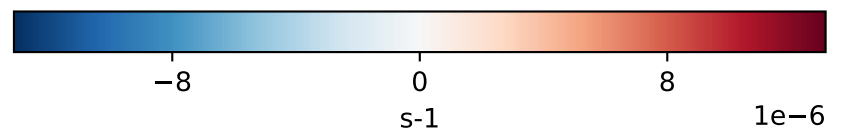
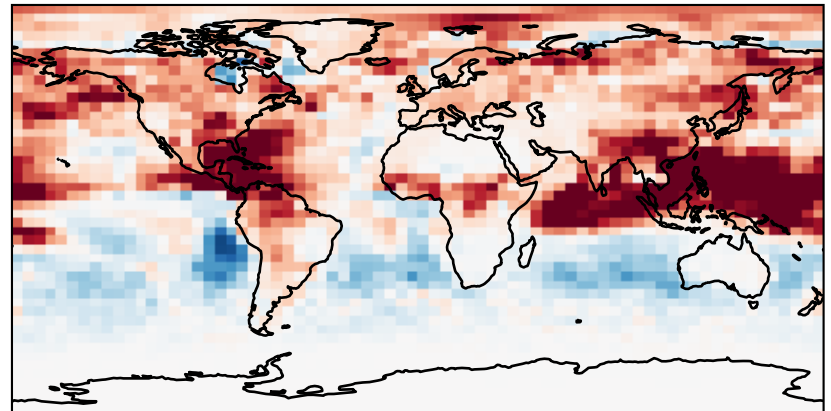
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



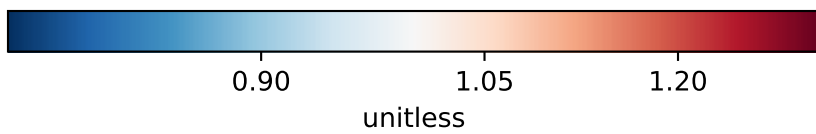
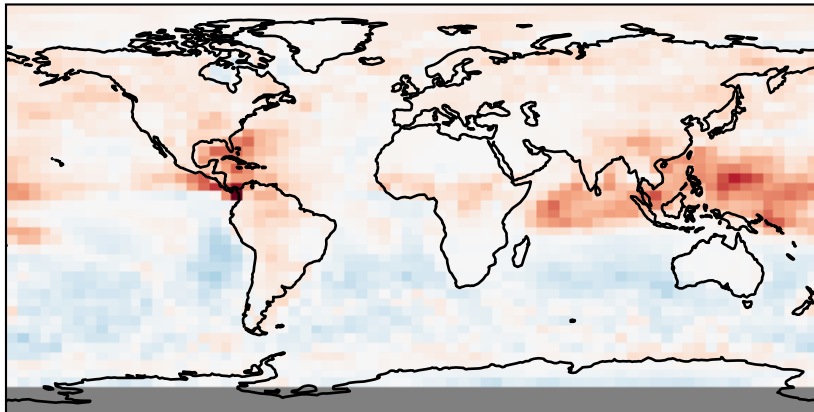
Difference  
Dev - Ref, Dynamic Range



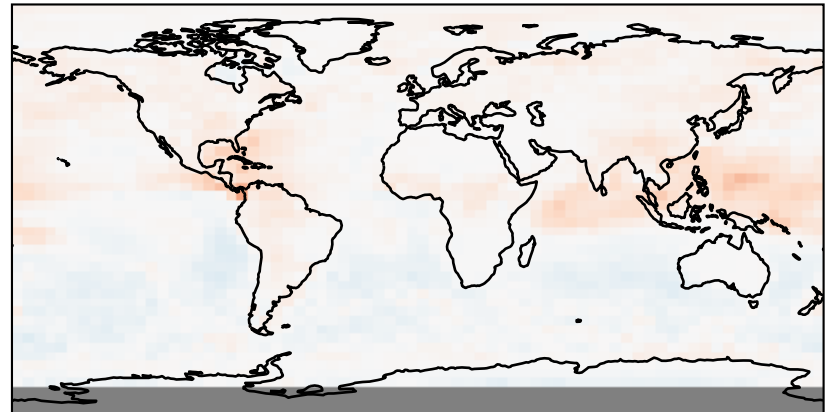
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

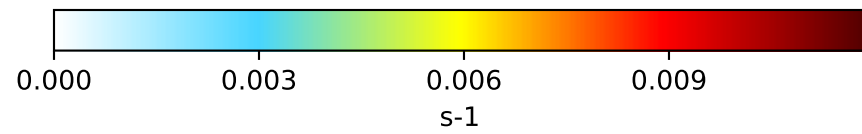
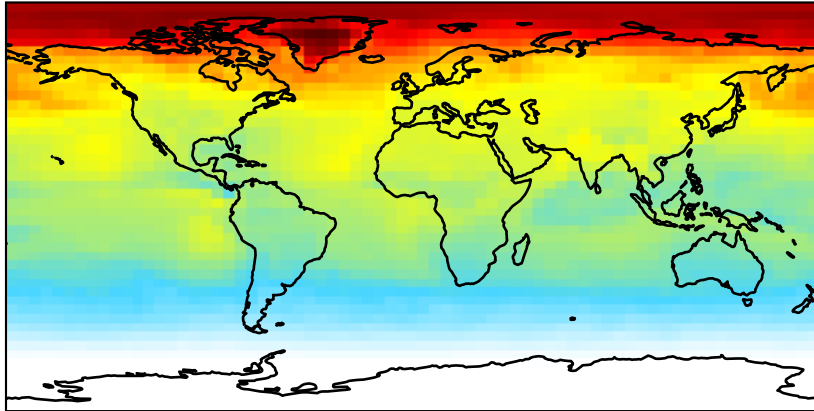


Ratio  
Dev/Ref, Fixed Range

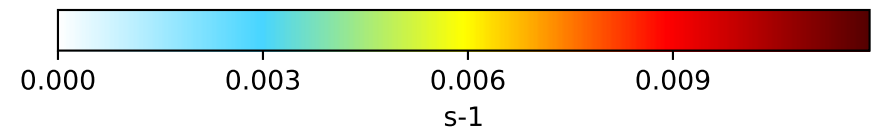
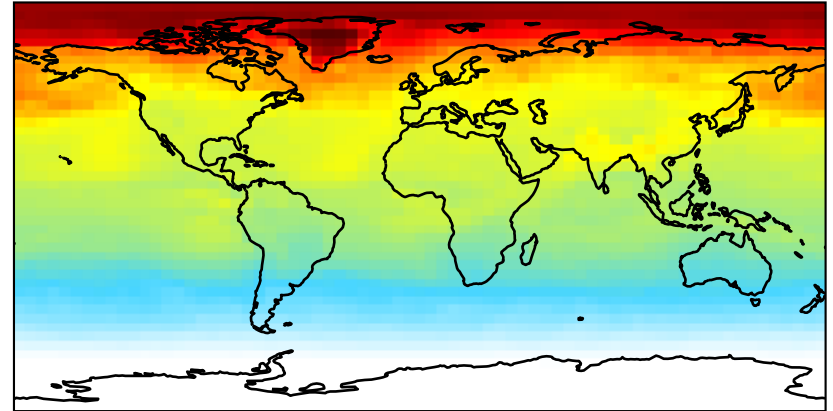


# Jval\_HOI

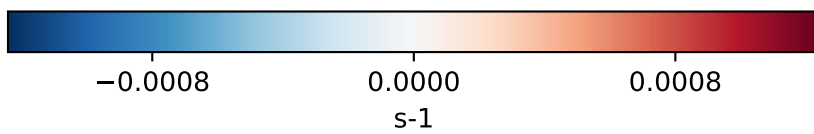
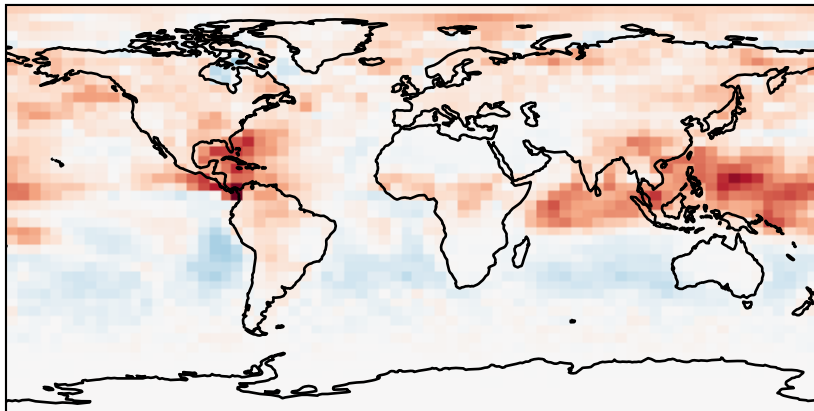
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



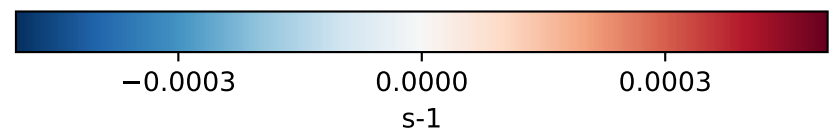
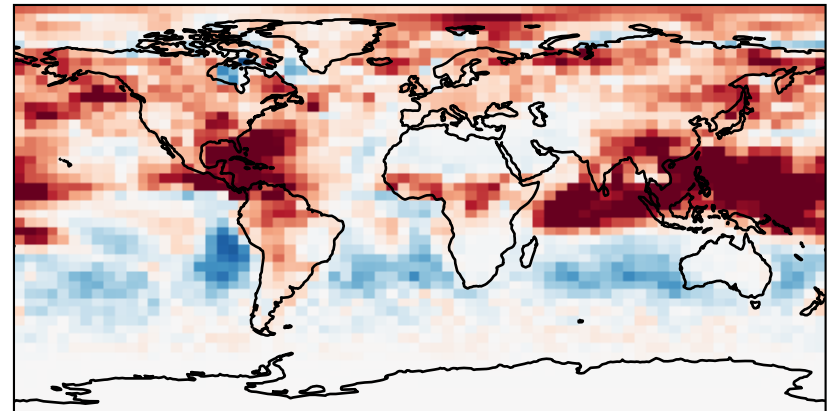
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



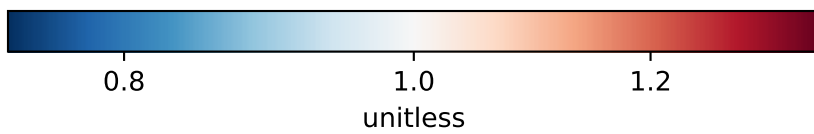
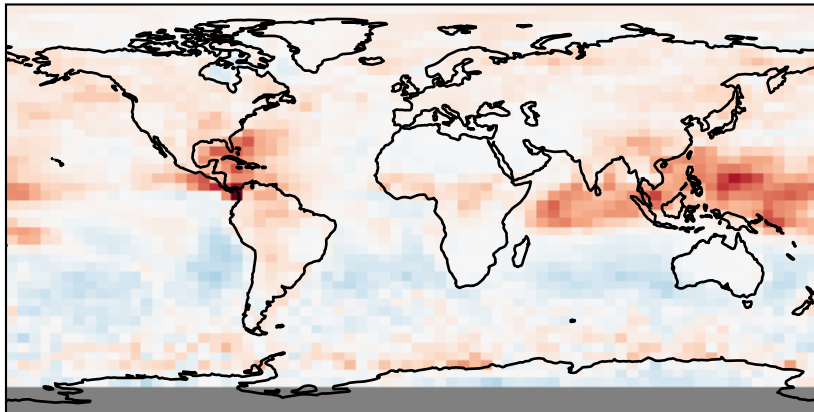
Difference  
Dev - Ref, Dynamic Range



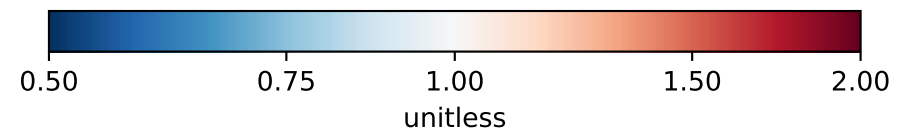
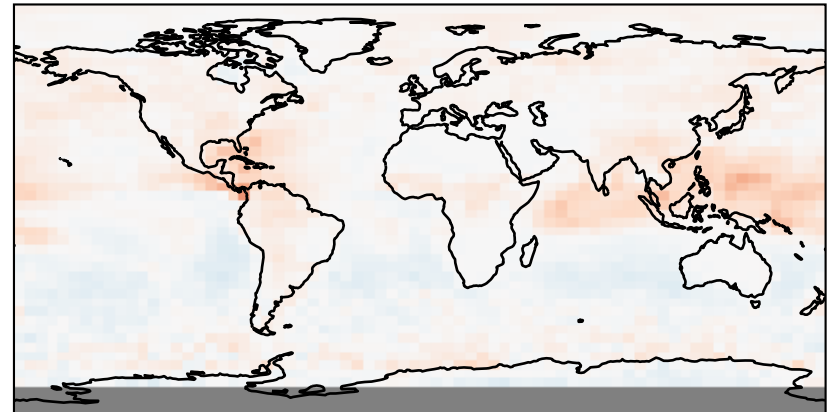
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

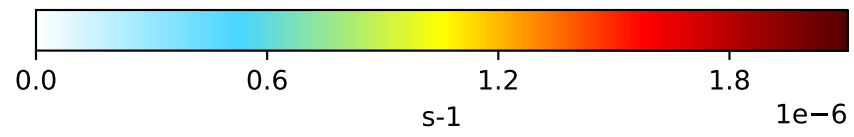
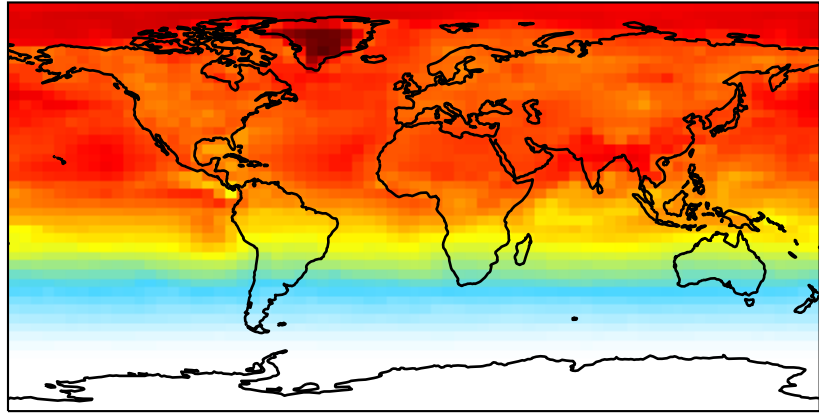


Ratio  
Dev/Ref, Fixed Range

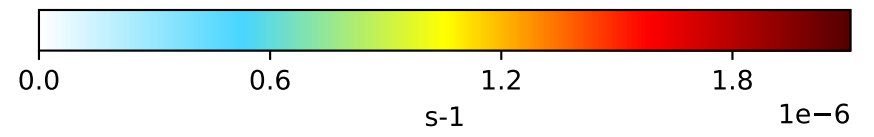
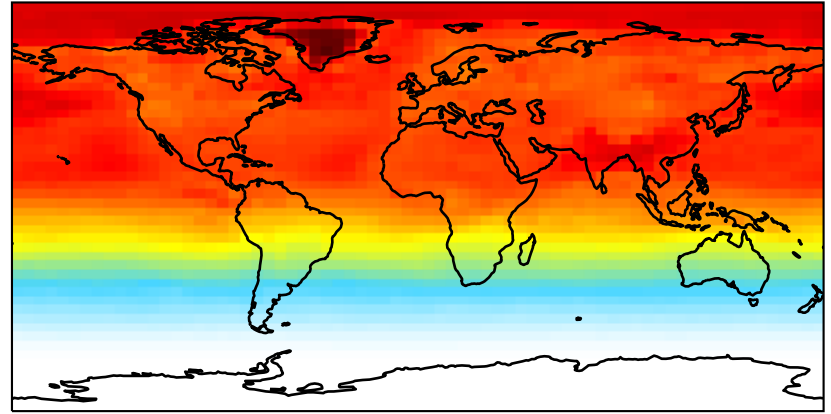


# Jval\_HONIT

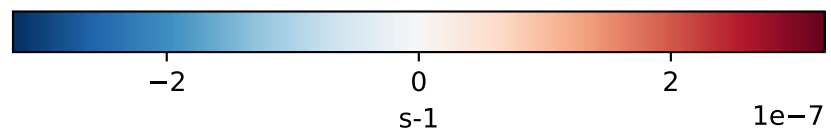
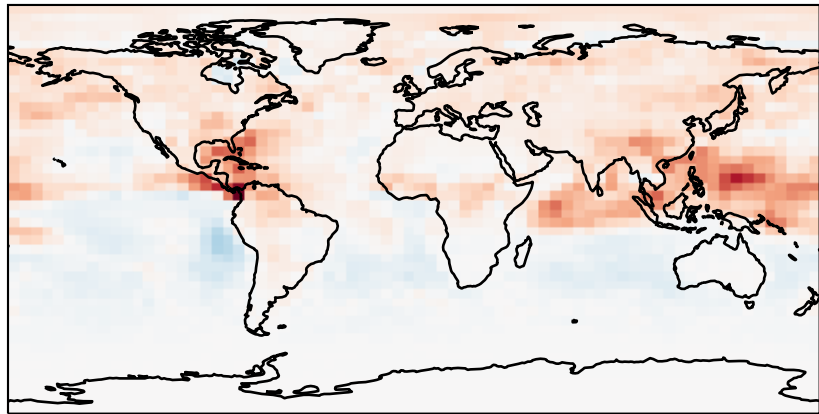
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



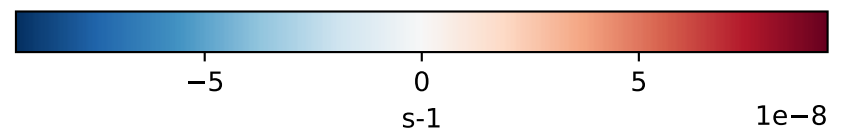
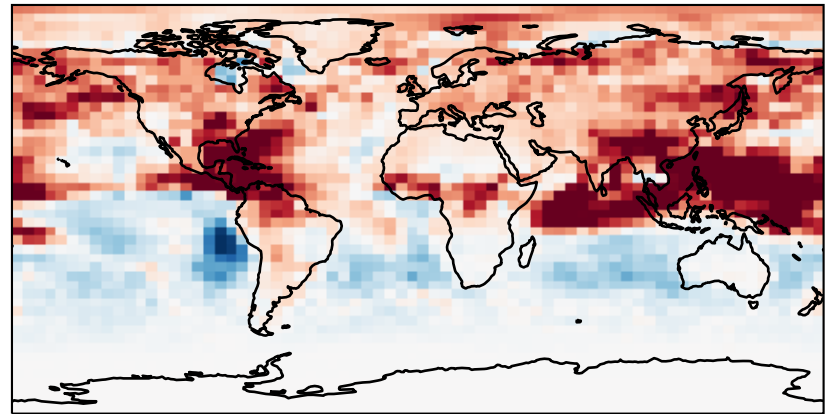
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



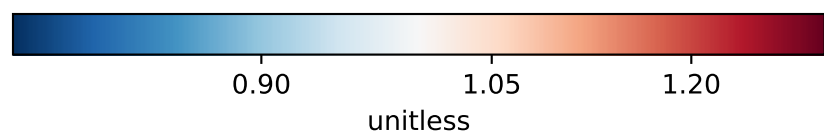
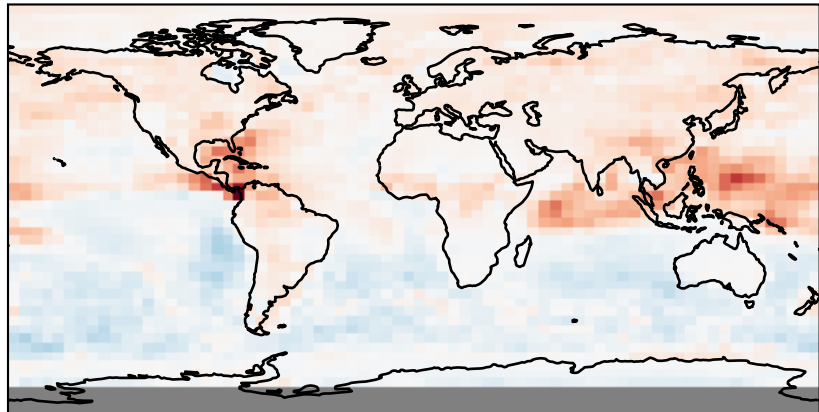
Difference  
Dev - Ref, Dynamic Range



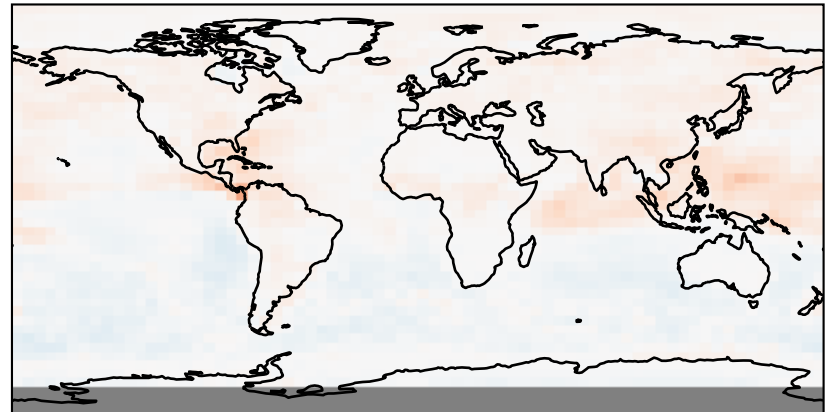
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

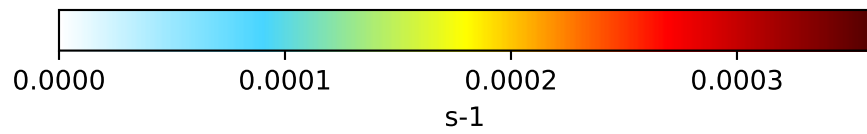
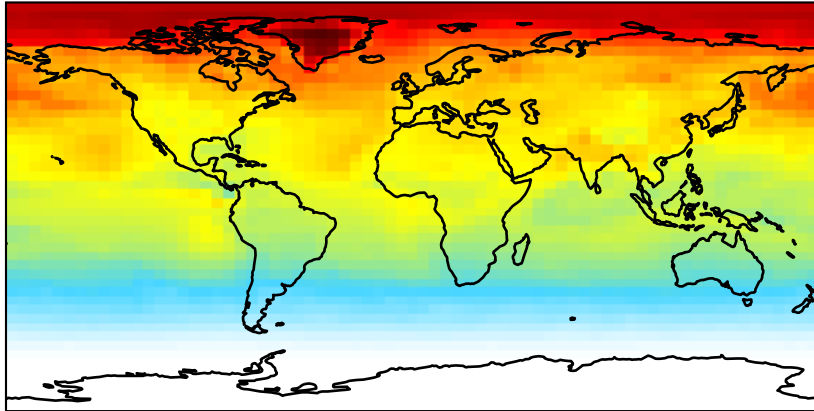


Ratio  
Dev/Ref, Fixed Range

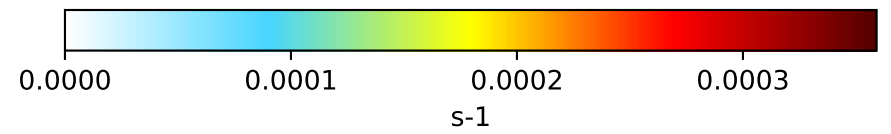
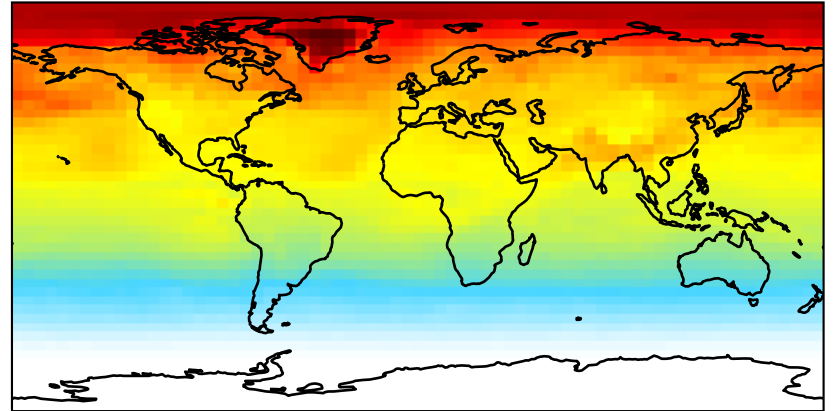


# Jval\_HPALD1

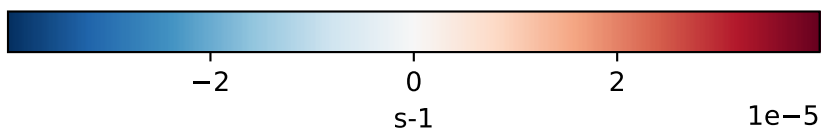
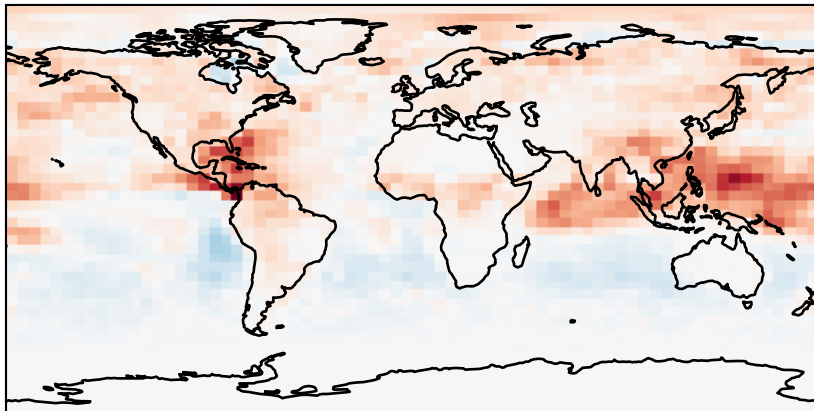
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



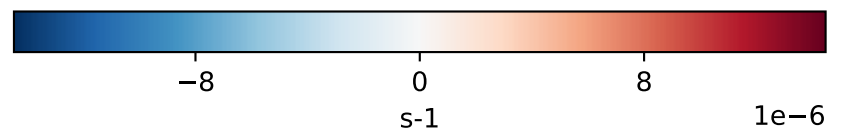
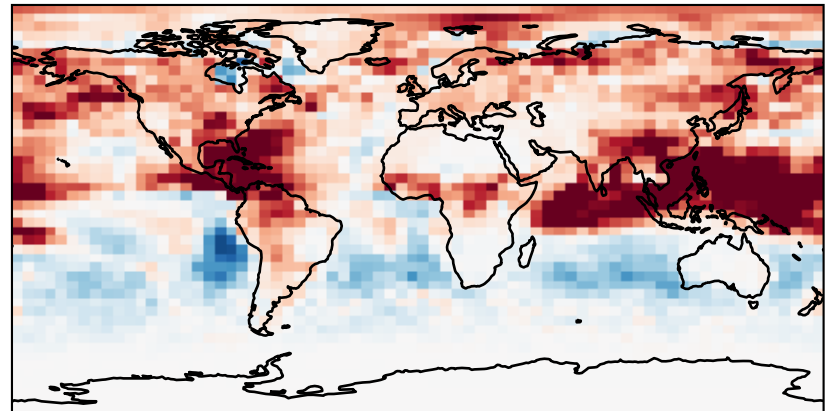
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



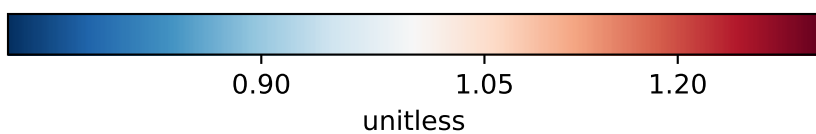
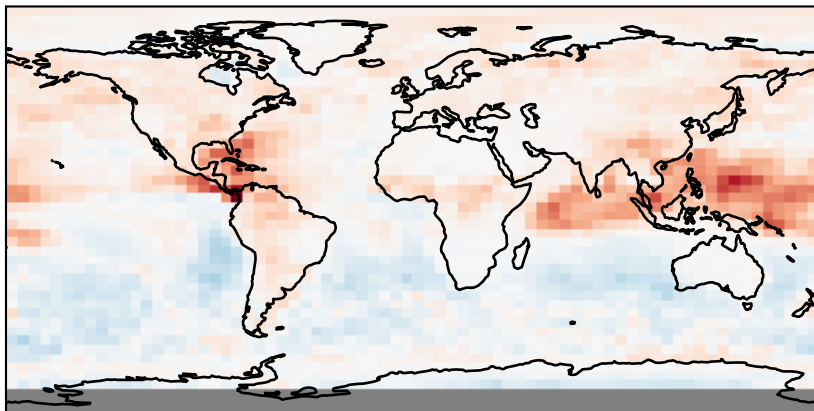
Difference  
Dev - Ref, Dynamic Range



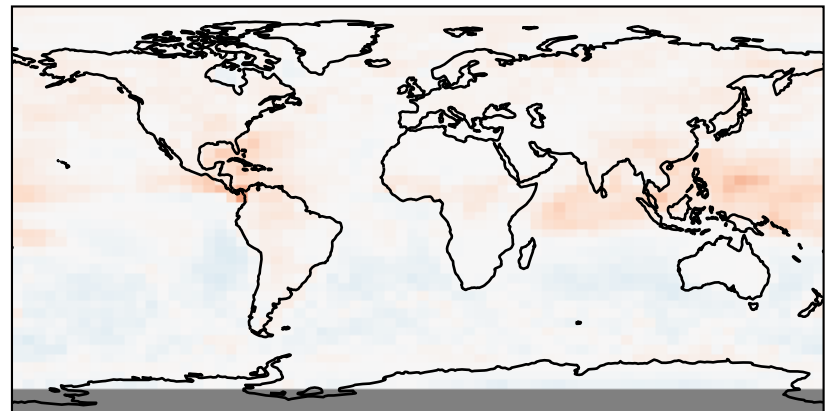
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

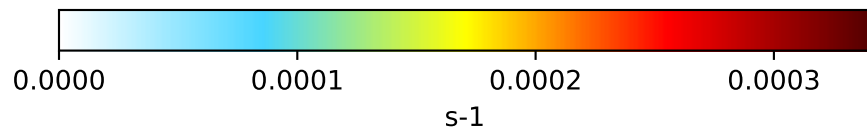
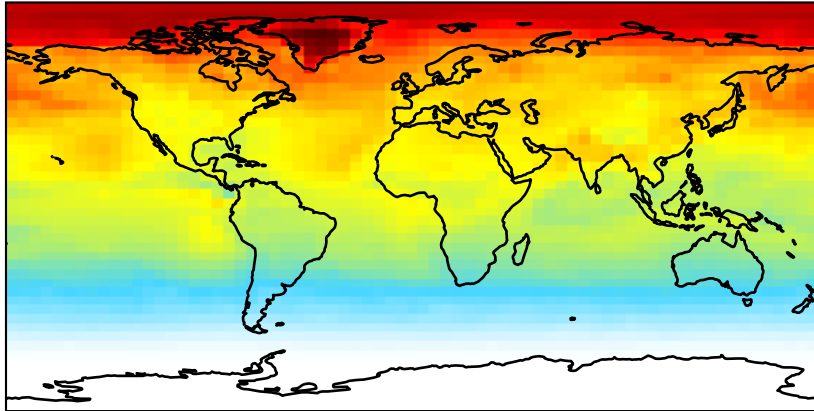


Ratio  
Dev/Ref, Fixed Range

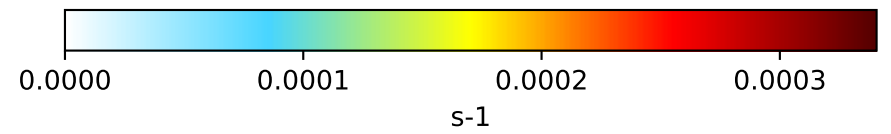
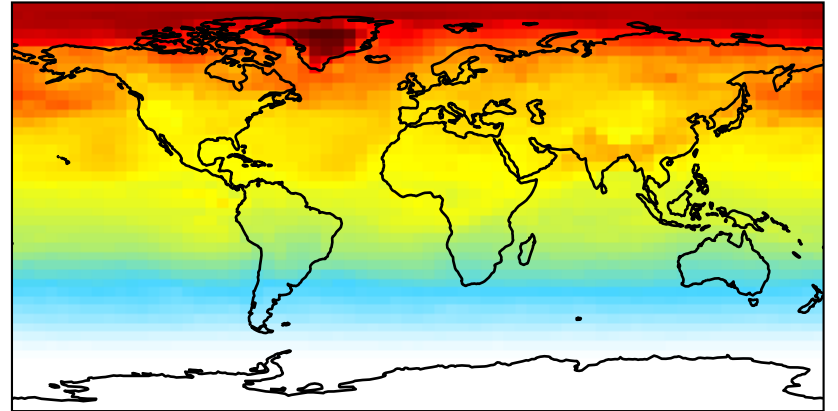


# Jval\_HPALD2

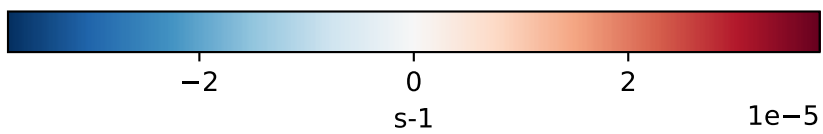
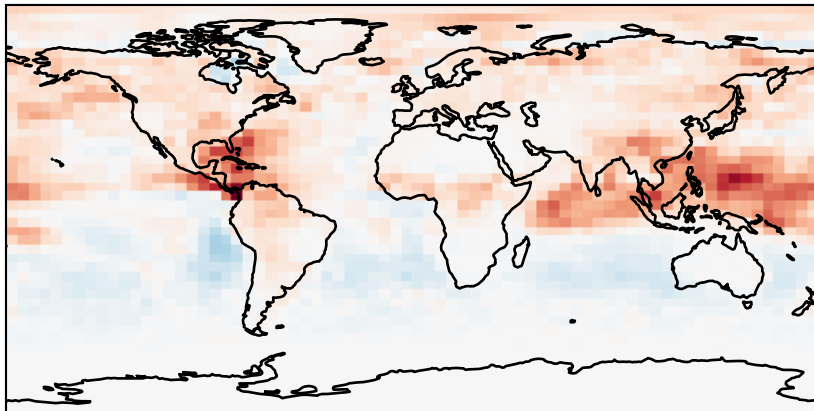
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



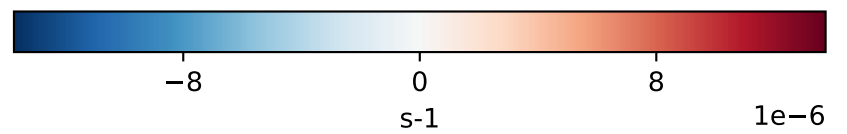
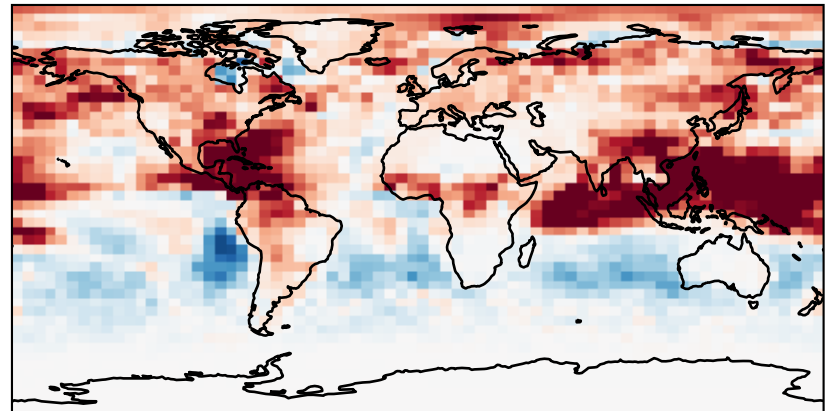
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



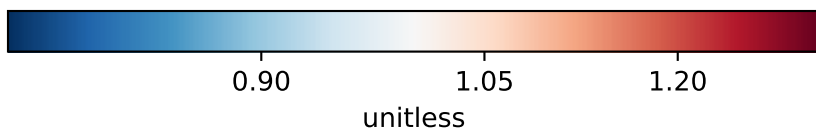
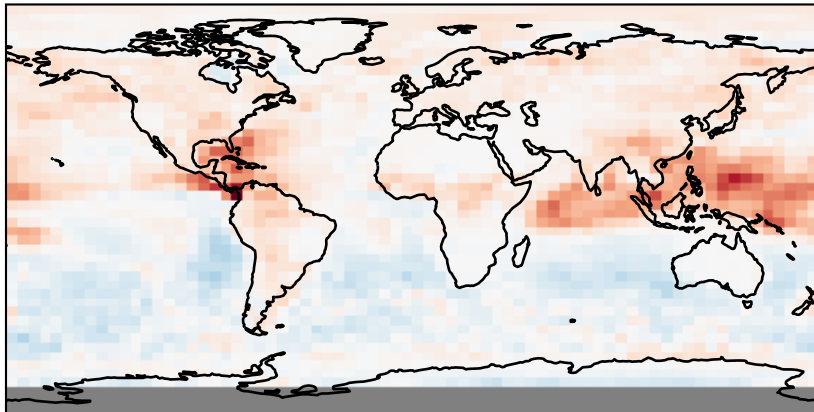
Difference  
Dev - Ref, Dynamic Range



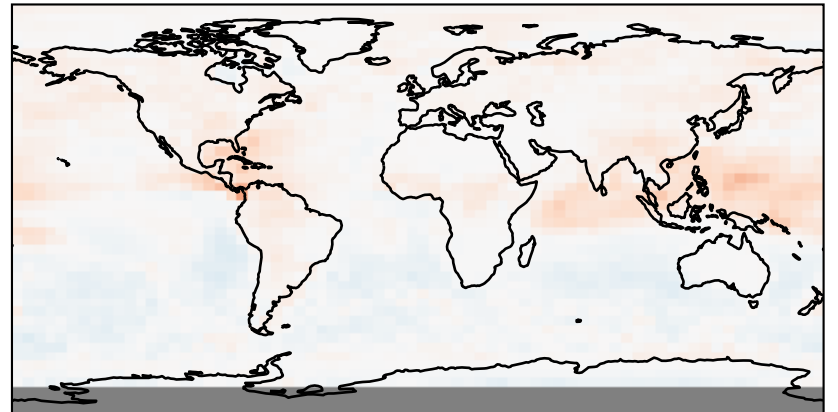
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

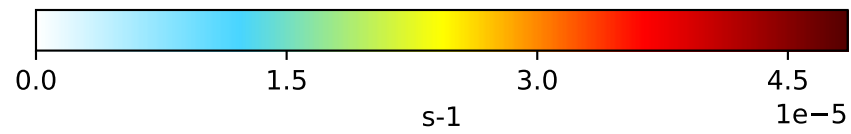
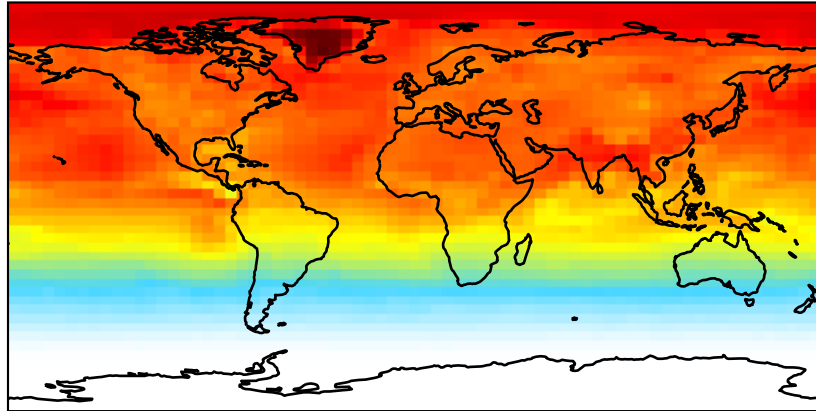


Ratio  
Dev/Ref, Fixed Range

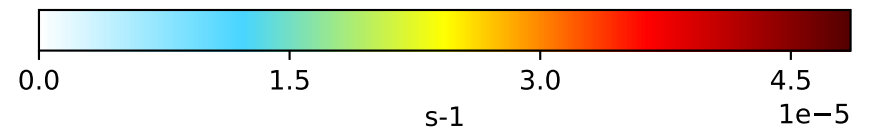
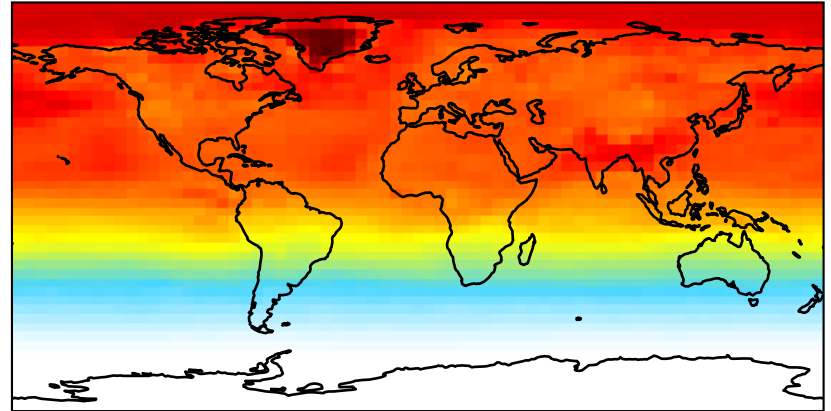


# Jval\_HPALD3

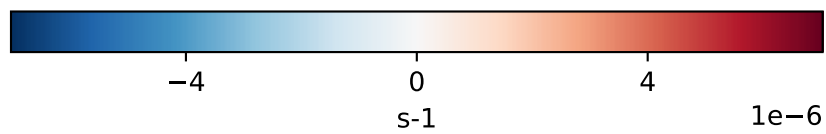
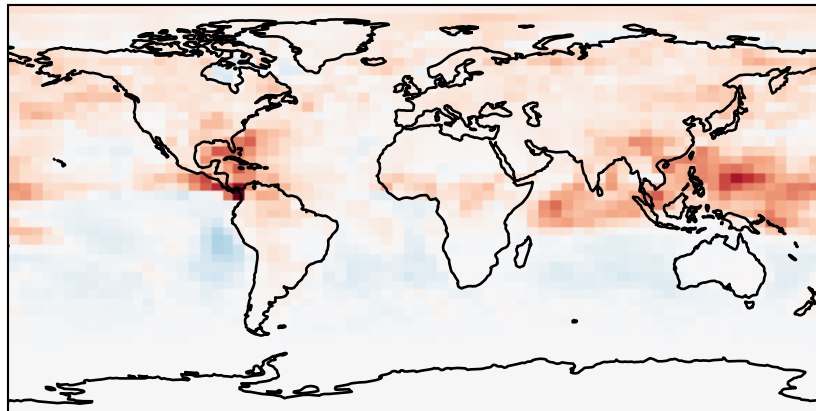
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



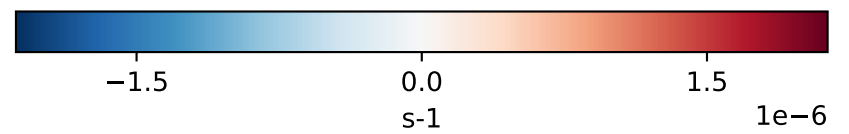
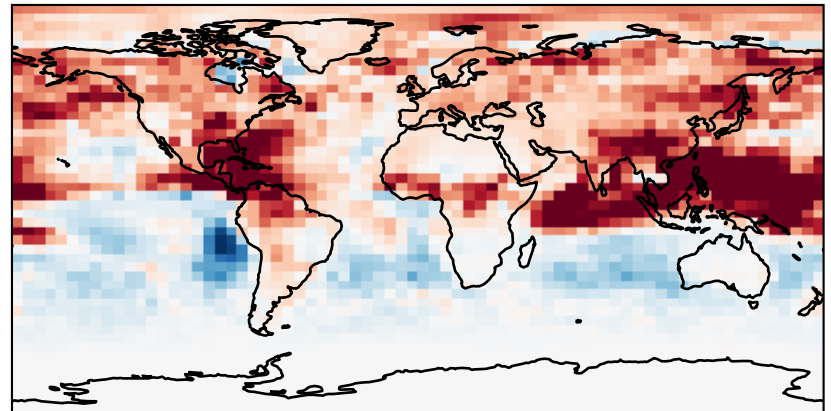
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



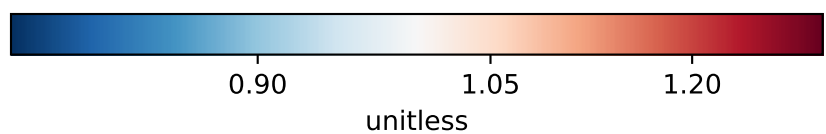
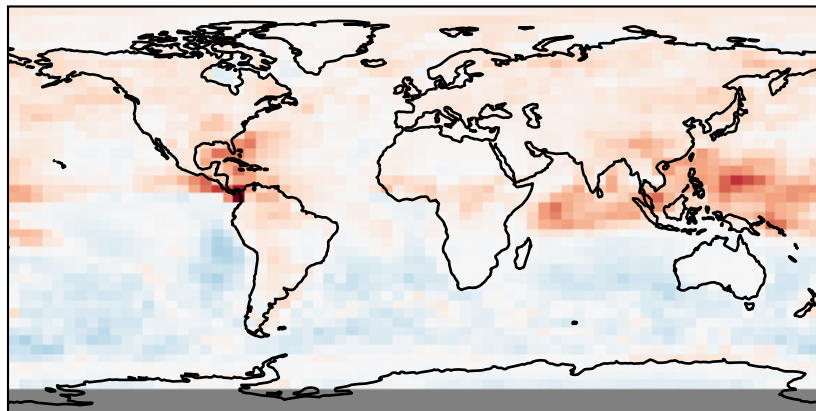
Difference  
Dev - Ref, Dynamic Range



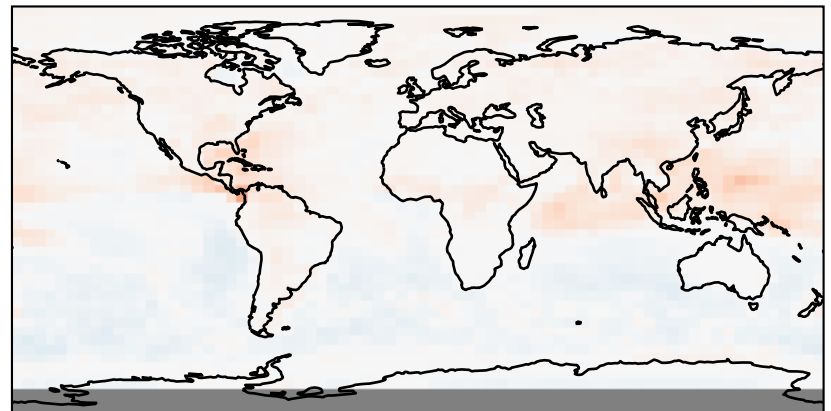
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



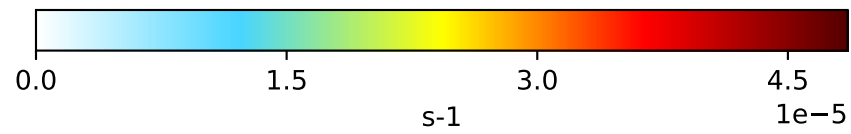
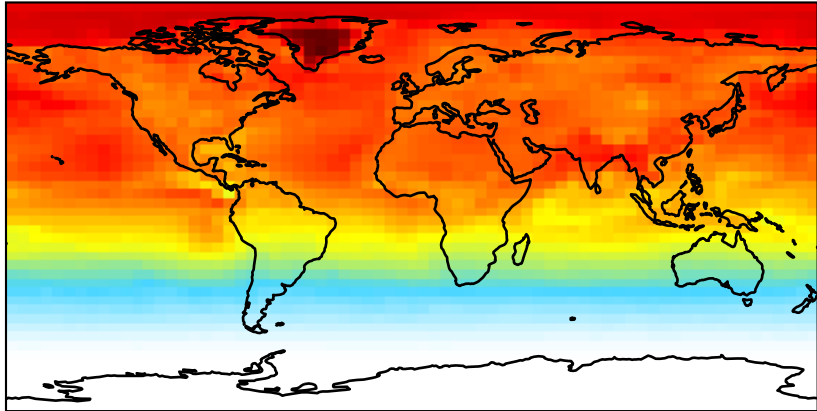
Ratio  
Dev/Ref, Fixed Range



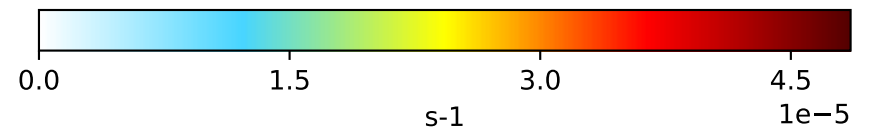
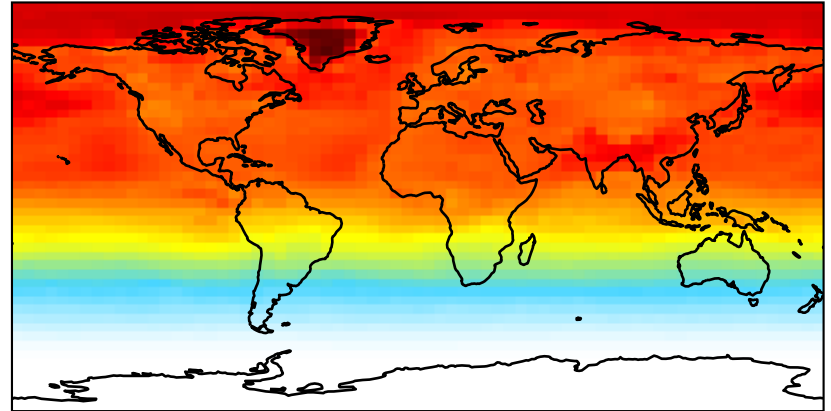


# Jval\_HPALD4

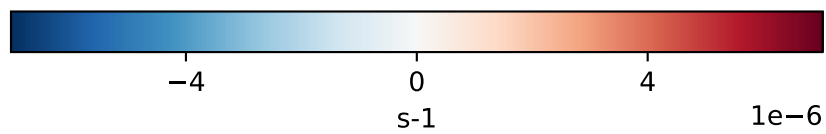
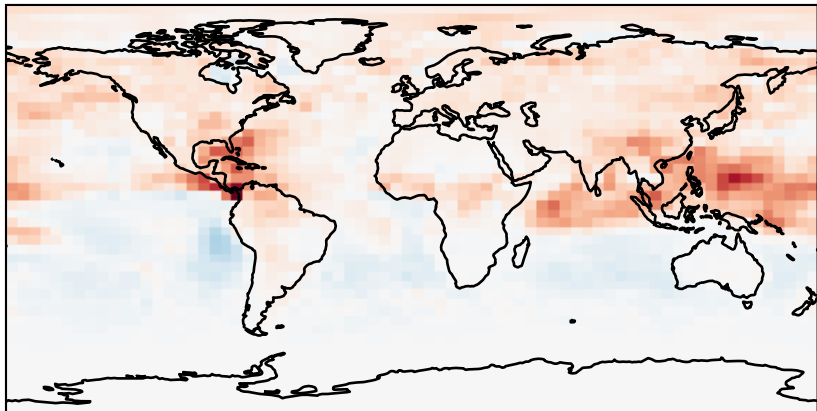
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



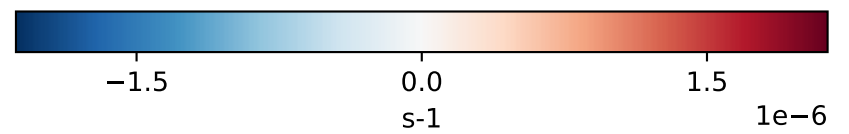
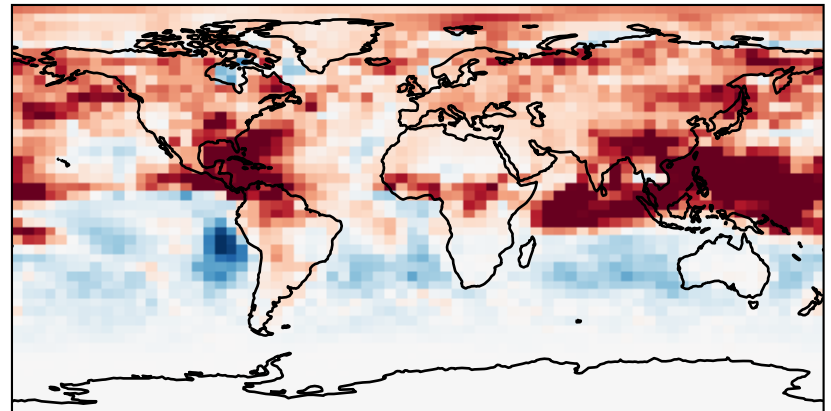
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



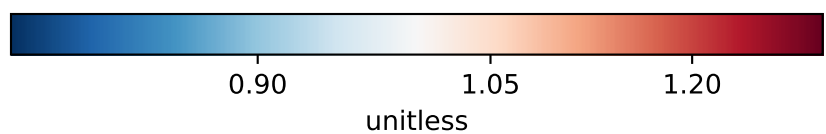
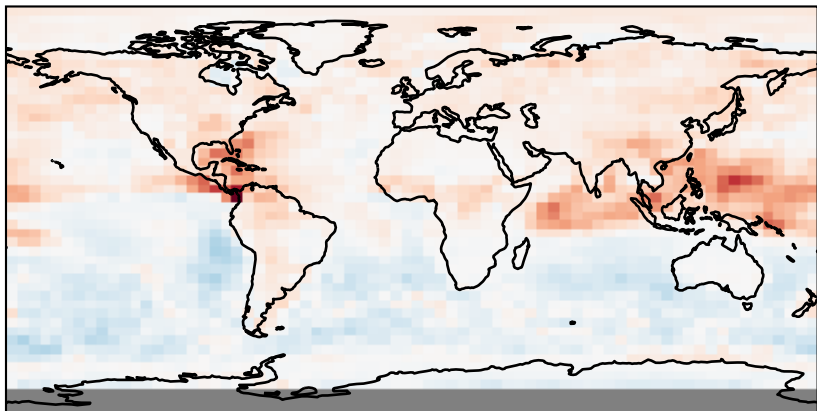
Difference  
Dev - Ref, Dynamic Range



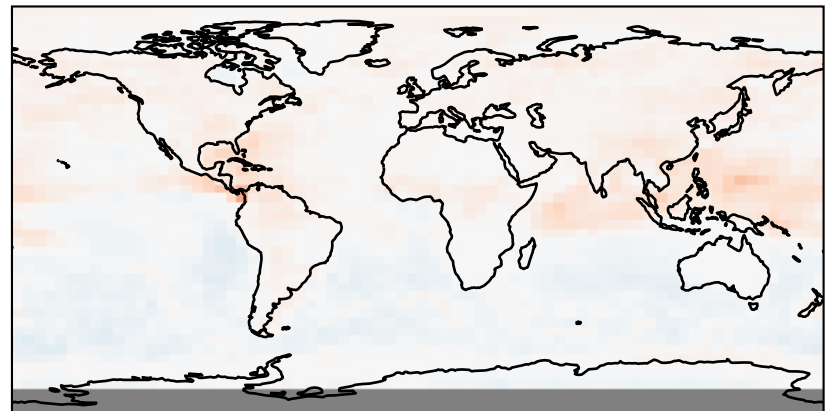
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

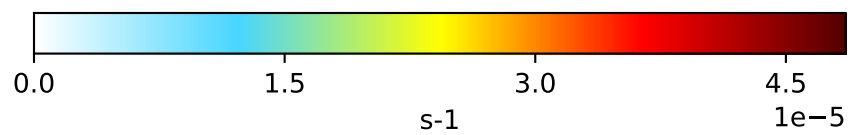
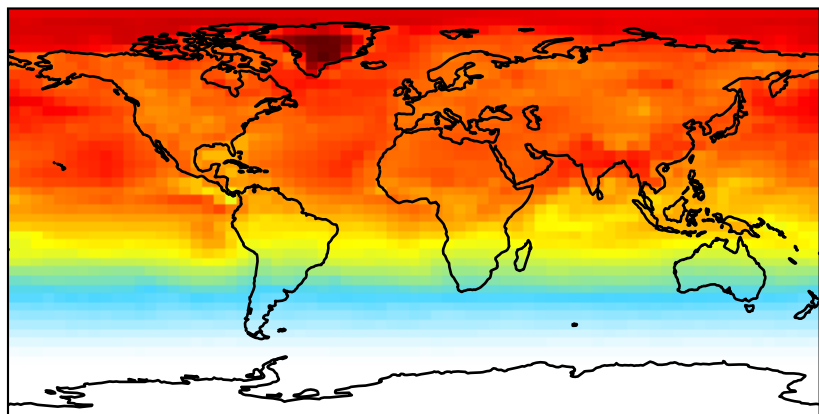


Ratio  
Dev/Ref, Fixed Range

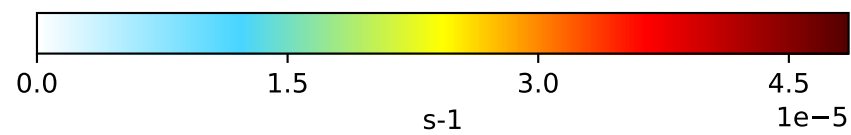
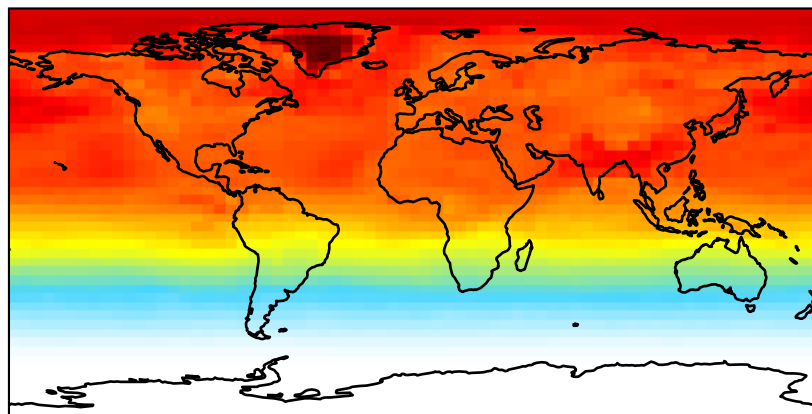


# Jval\_HPETHNL

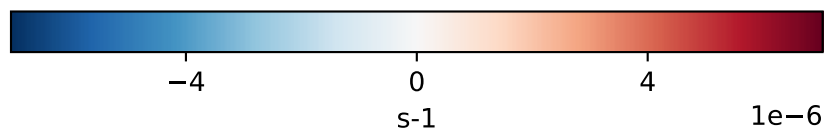
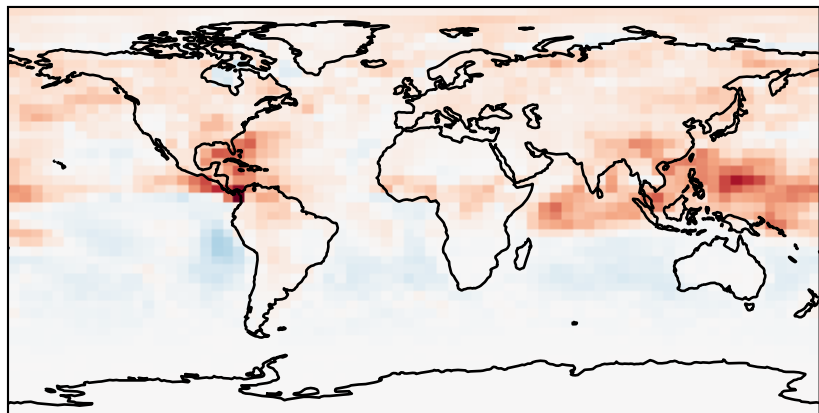
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



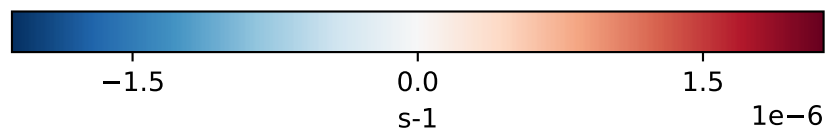
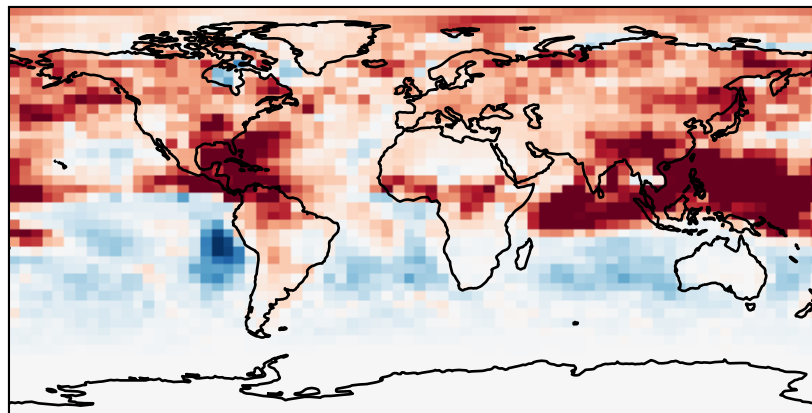
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



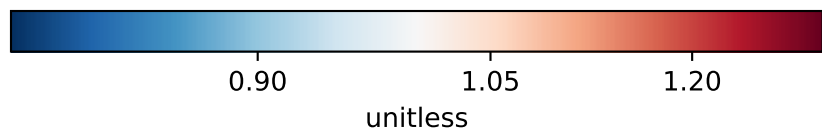
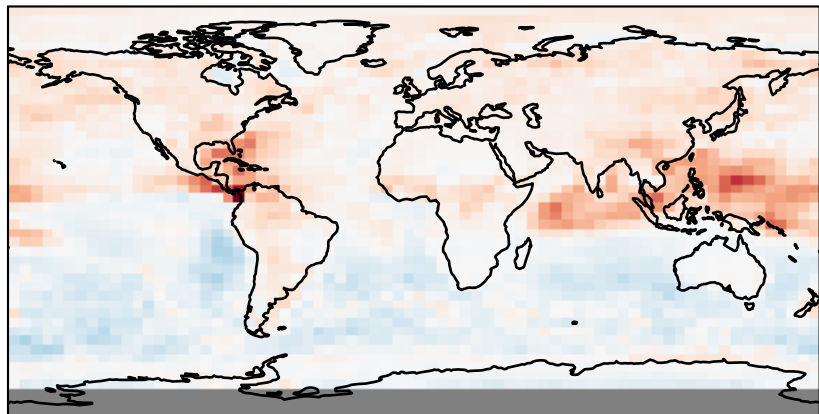
Difference  
Dev - Ref, Dynamic Range



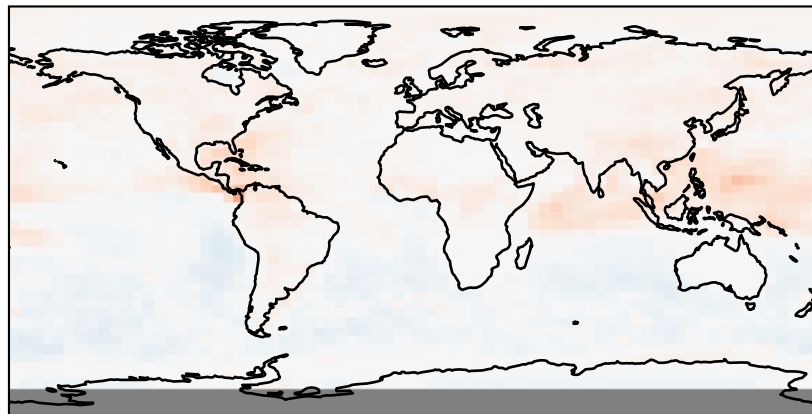
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

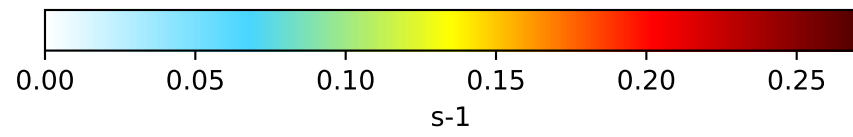
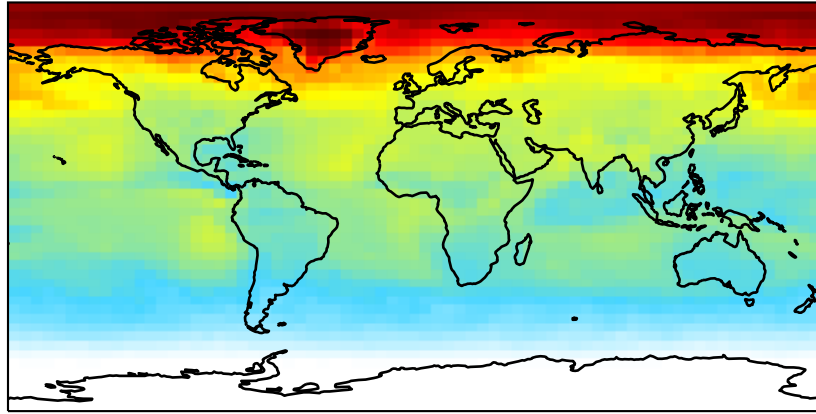


Ratio  
Dev/Ref, Fixed Range

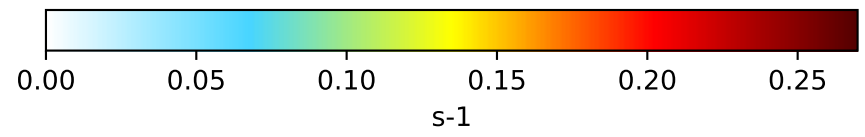
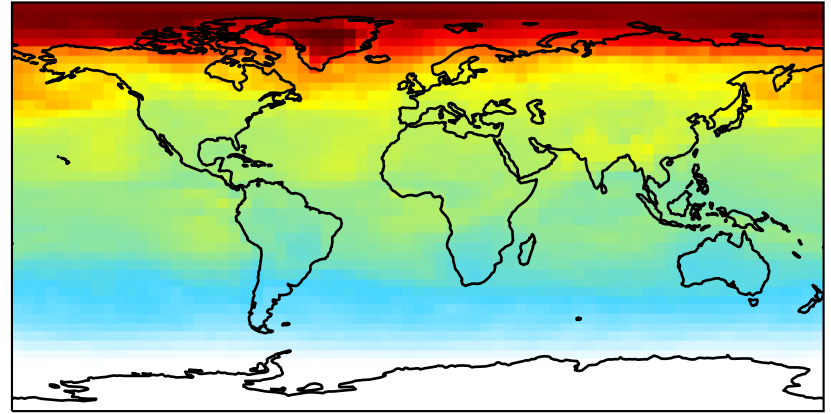


# Jval\_I2

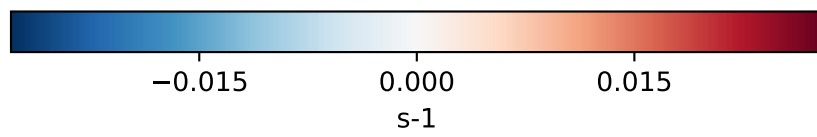
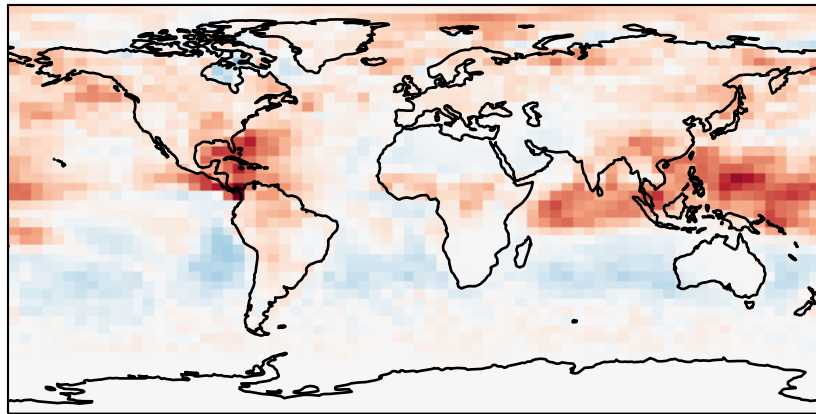
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



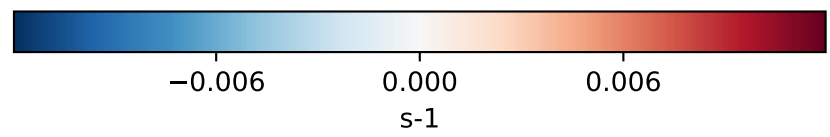
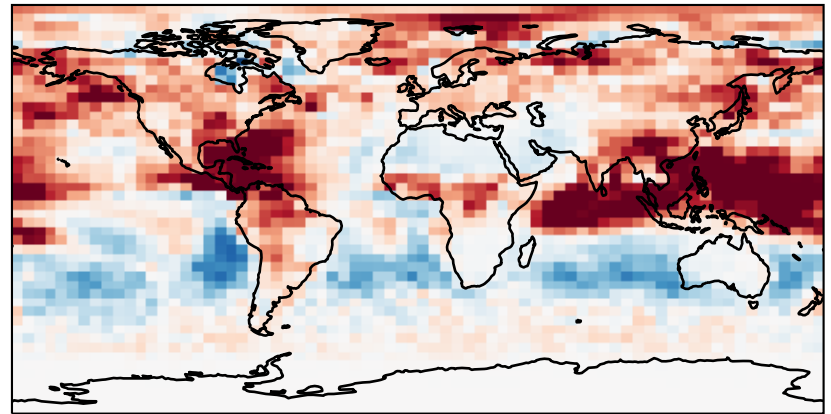
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



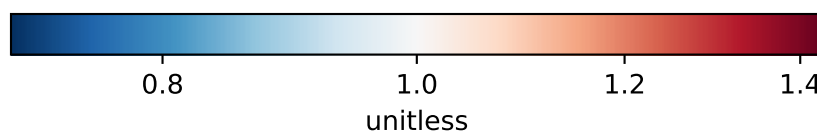
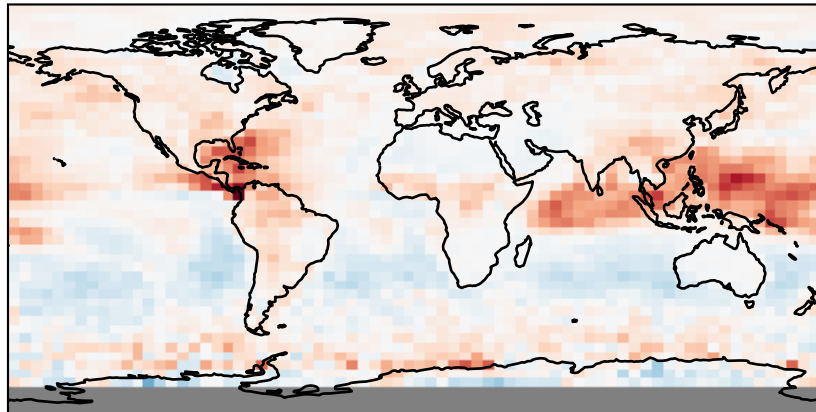
Difference  
Dev - Ref, Dynamic Range



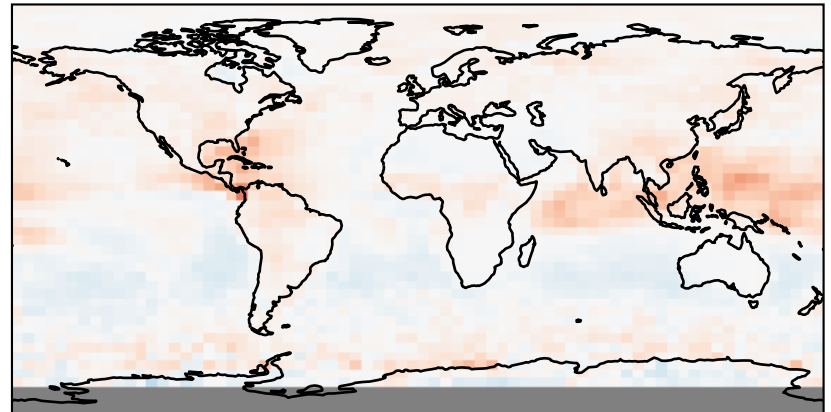
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

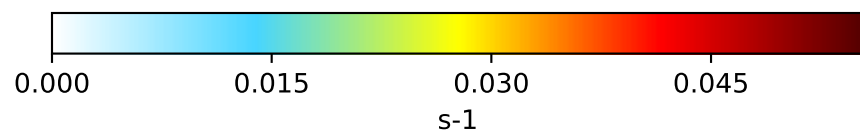
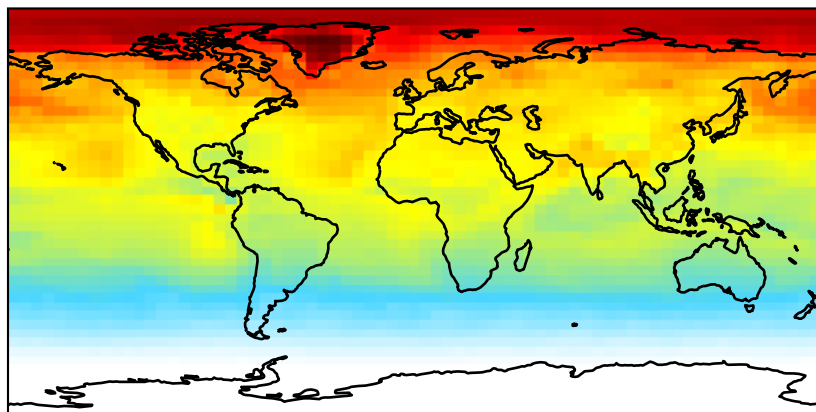


Ratio  
Dev/Ref, Fixed Range

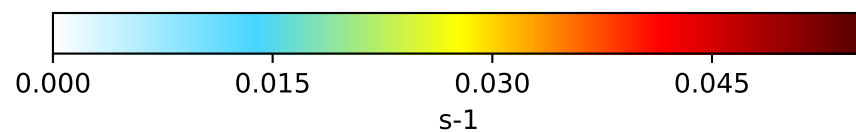
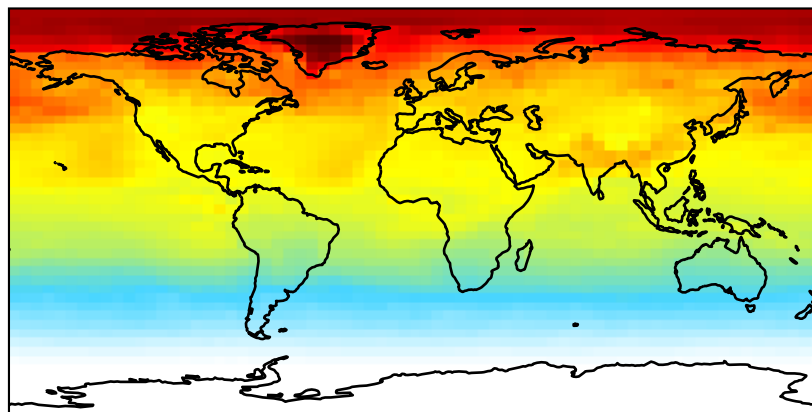


# Jval\_I202

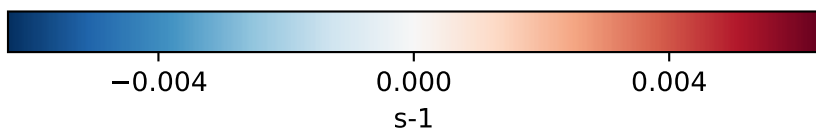
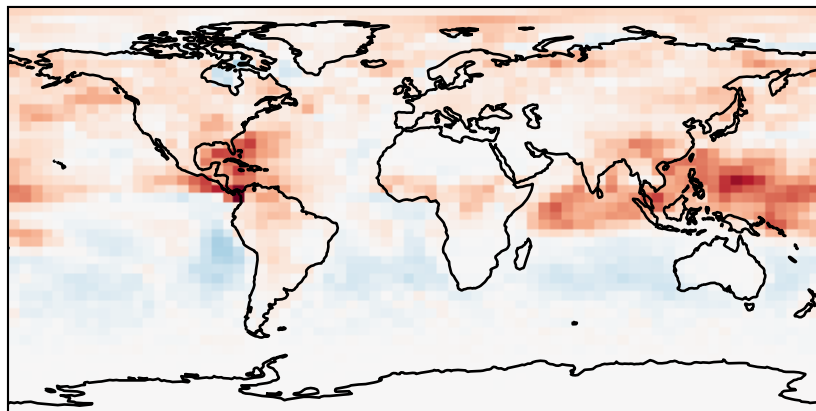
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



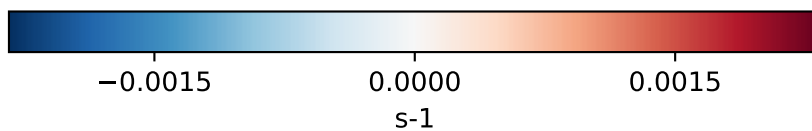
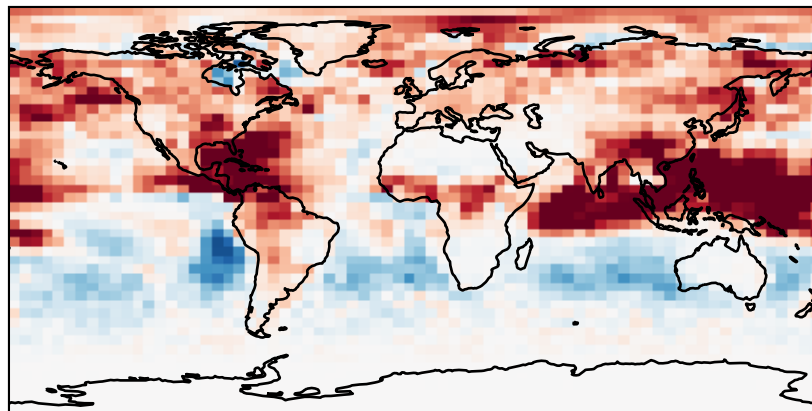
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



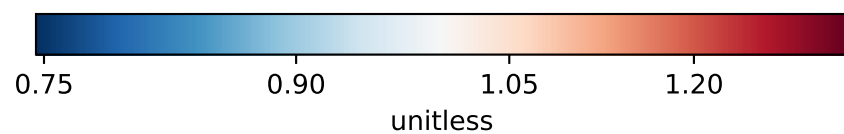
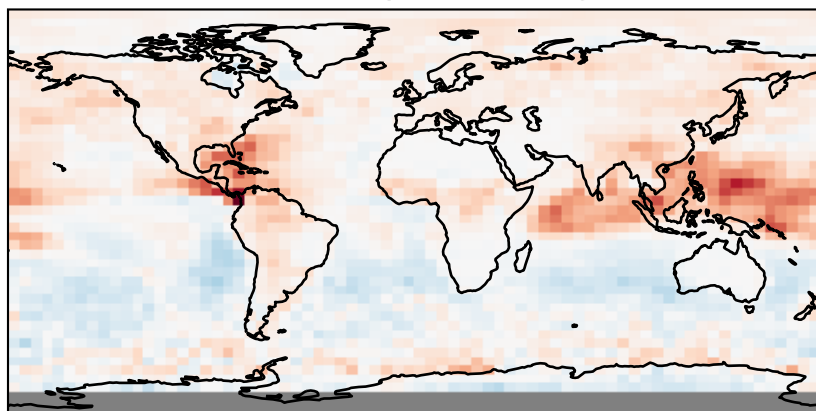
Difference  
Dev - Ref, Dynamic Range



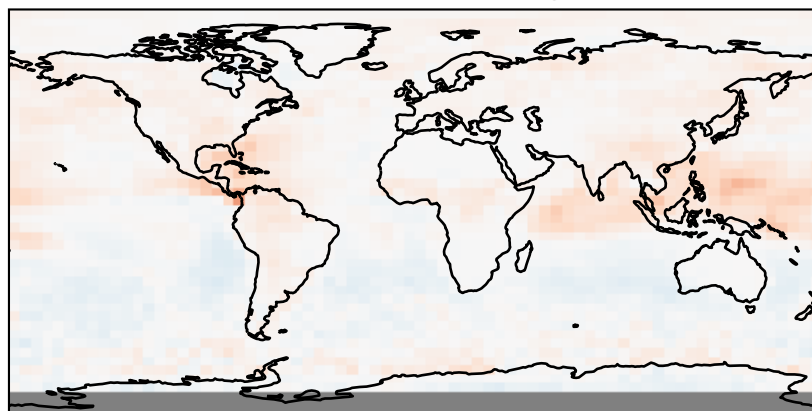
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

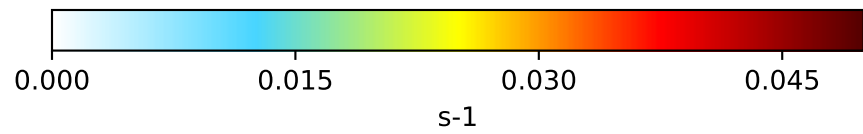
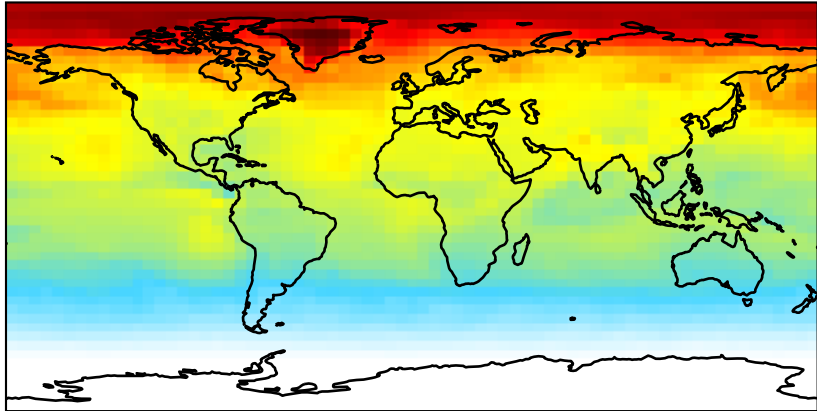


Ratio  
Dev/Ref, Fixed Range

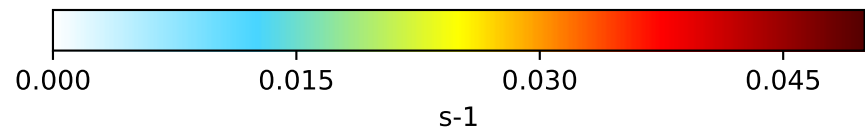
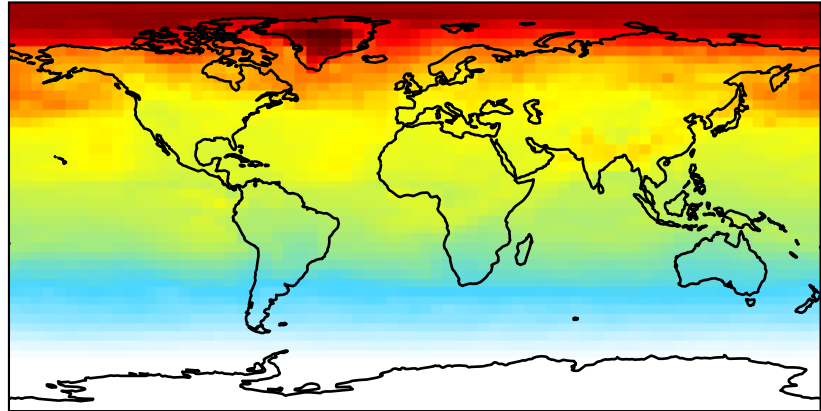


# Jval\_I203

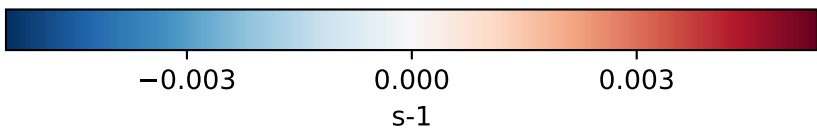
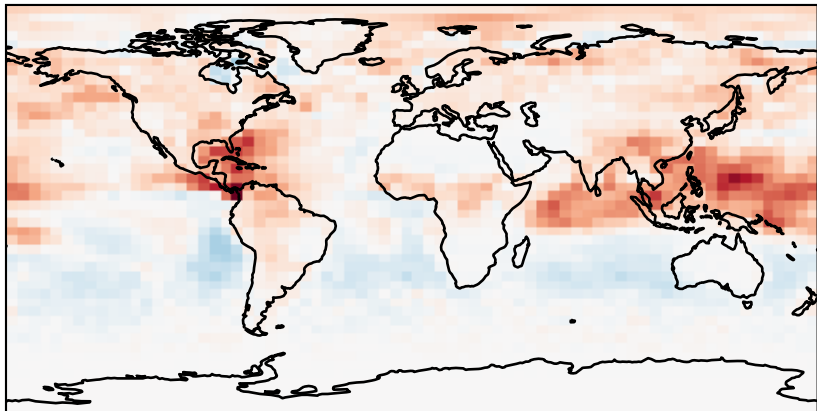
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



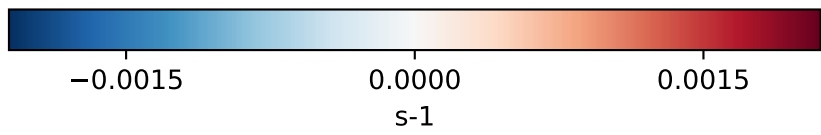
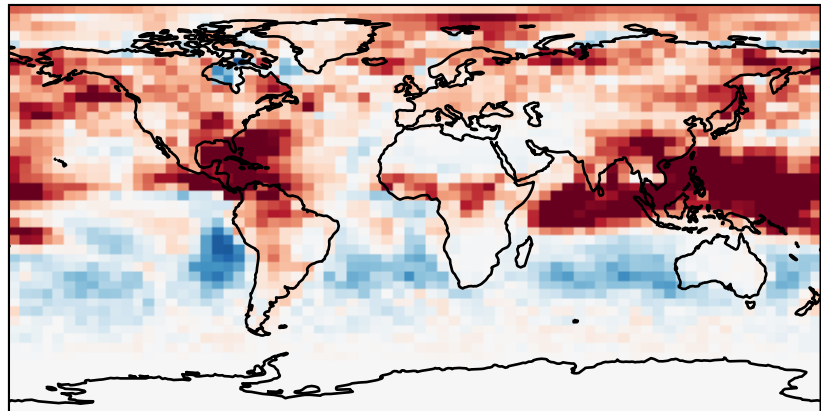
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



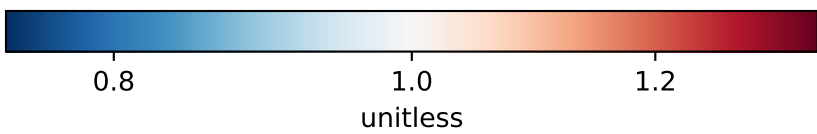
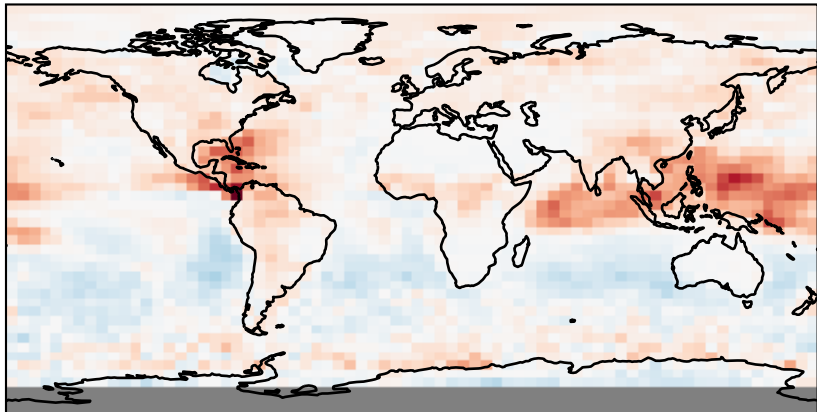
Difference  
Dev - Ref, Dynamic Range



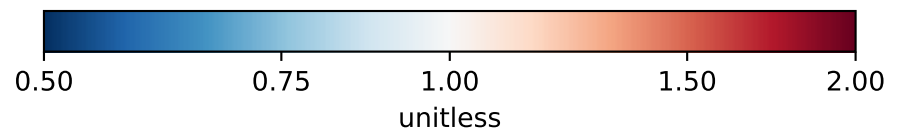
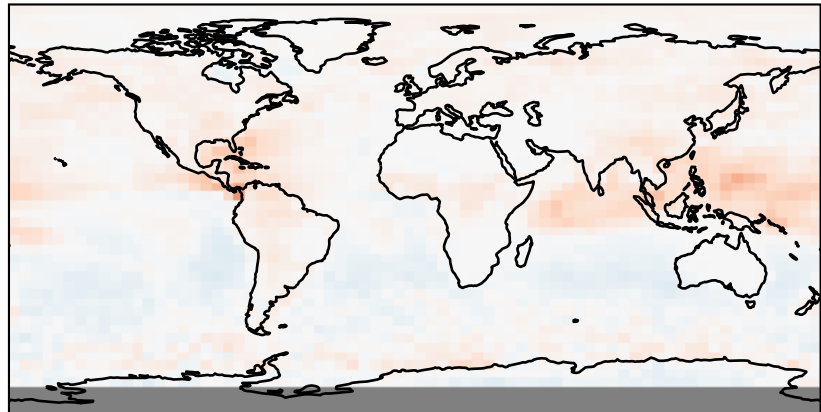
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

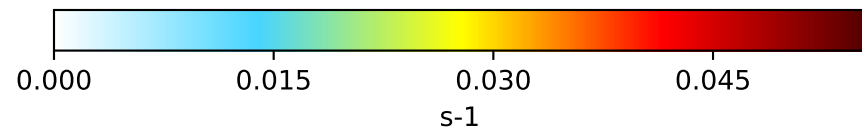
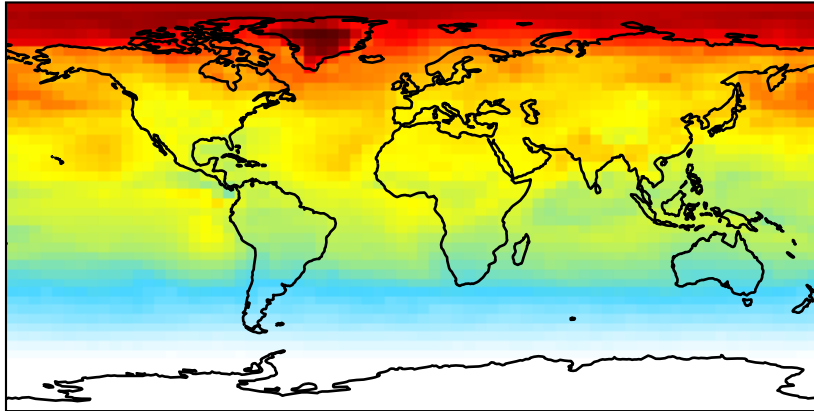


Ratio  
Dev/Ref, Fixed Range

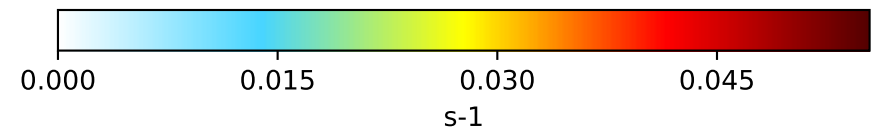
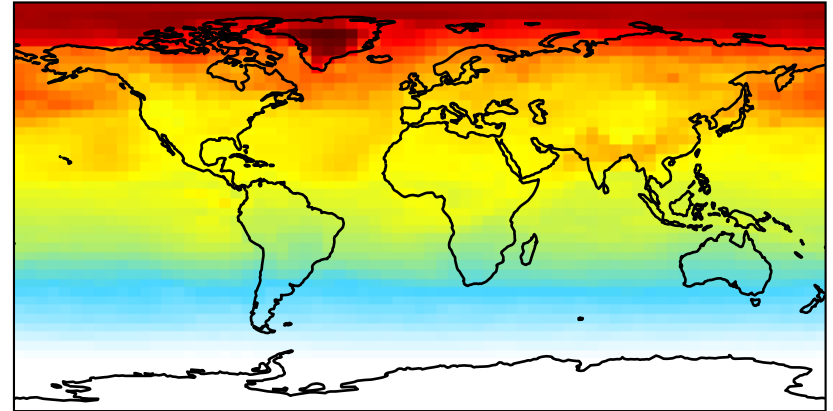


# Jval\_I204

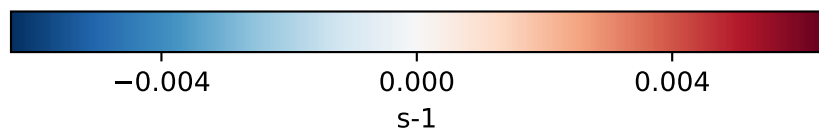
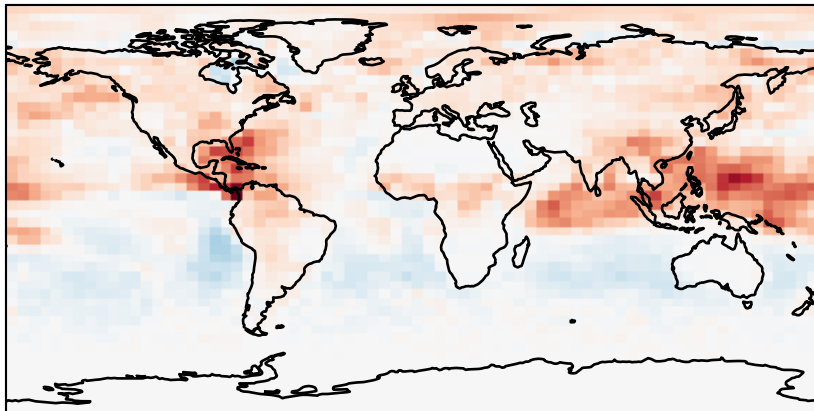
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



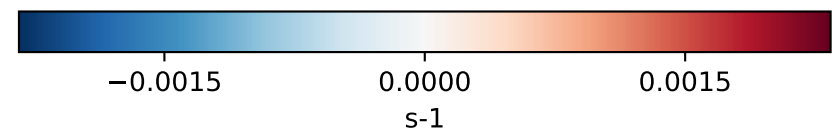
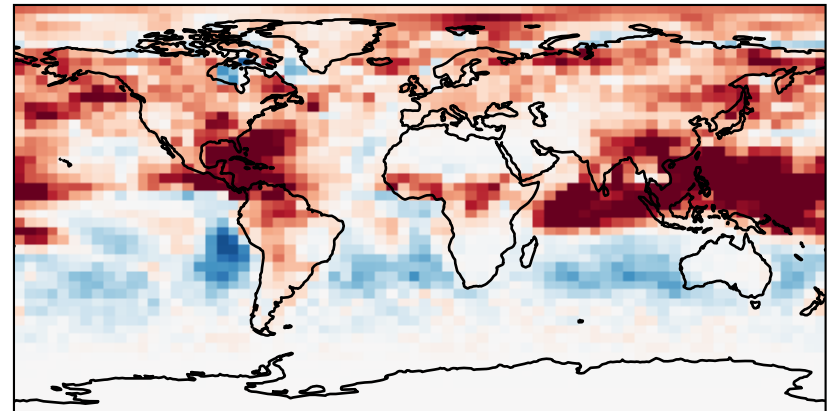
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



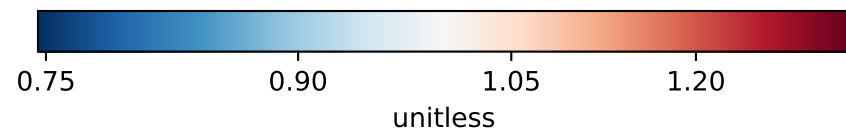
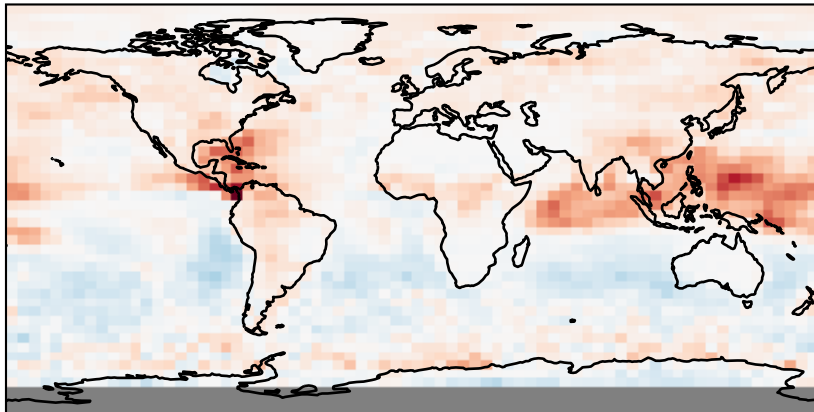
Difference  
Dev - Ref, Dynamic Range



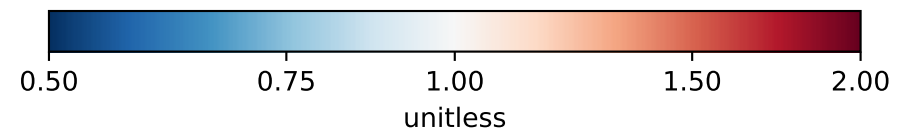
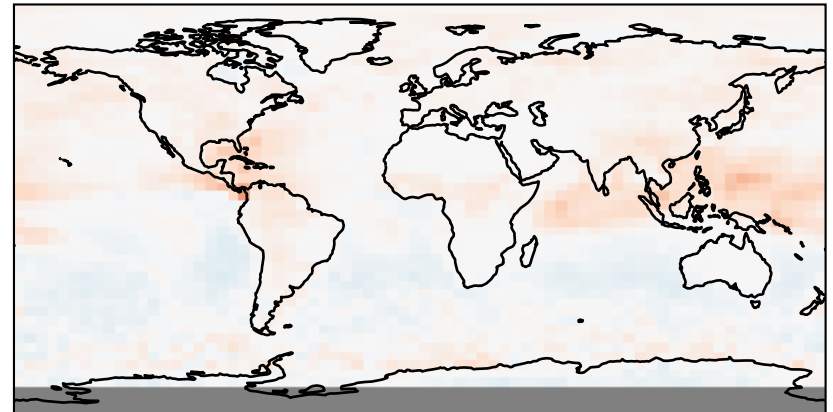
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

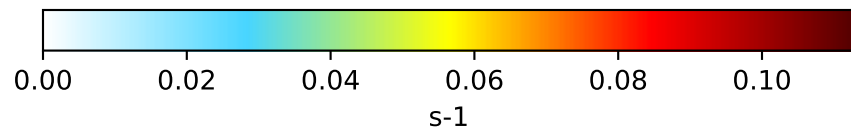
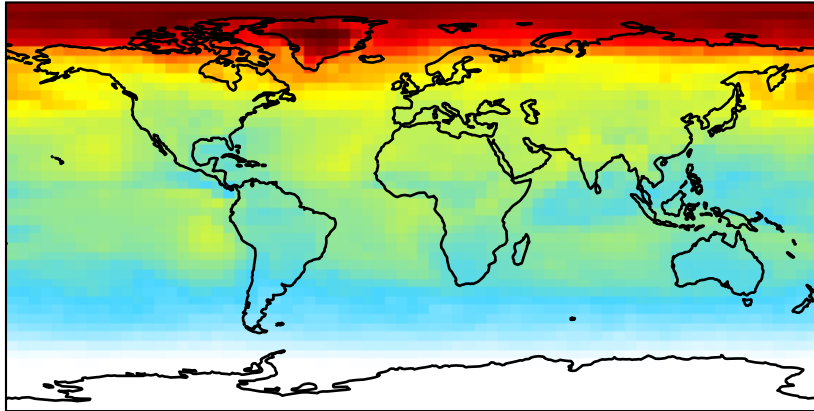


Ratio  
Dev/Ref, Fixed Range

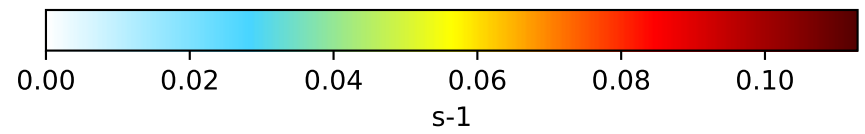
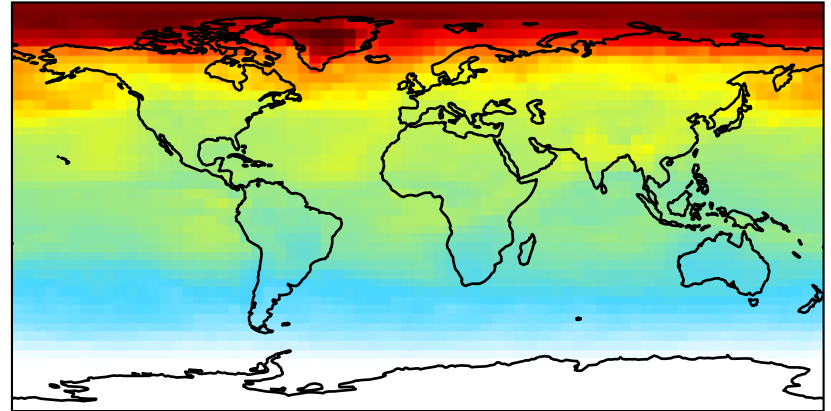


# Jval\_IBr

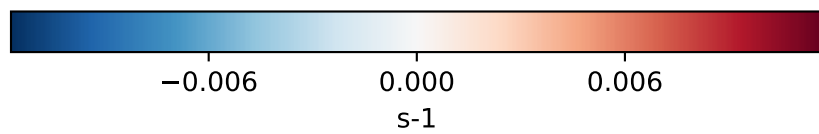
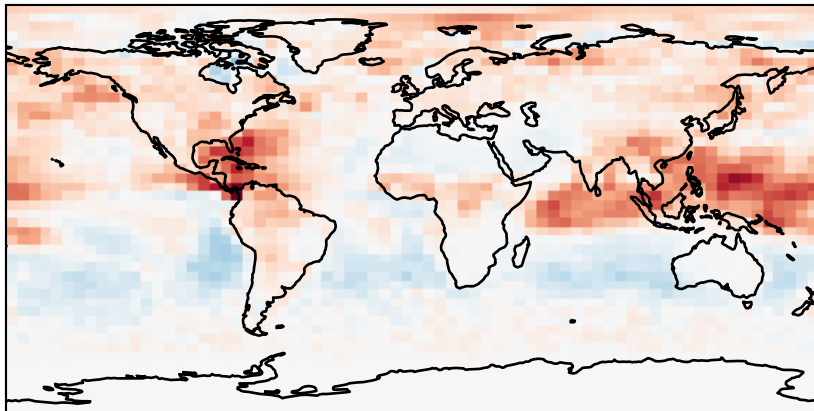
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



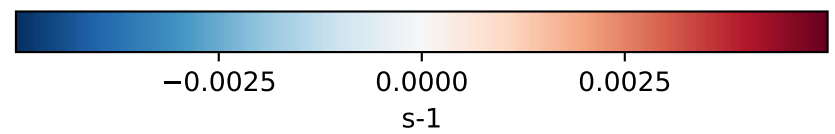
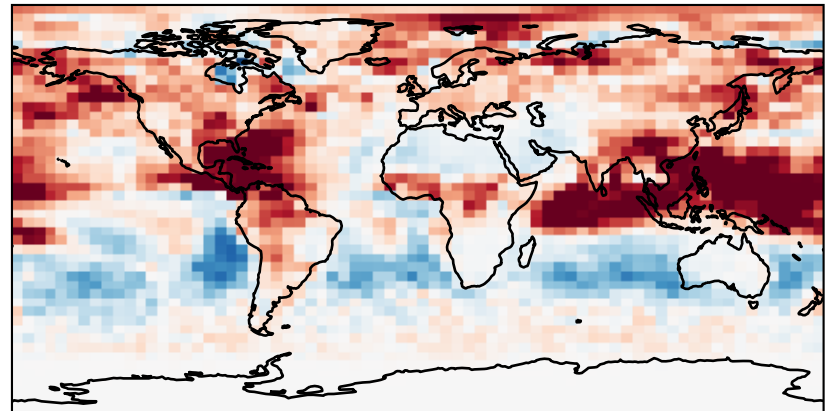
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



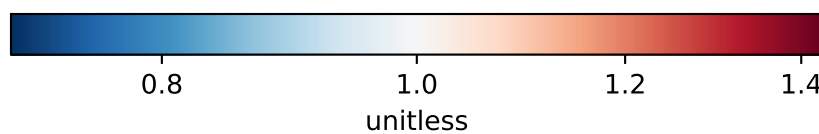
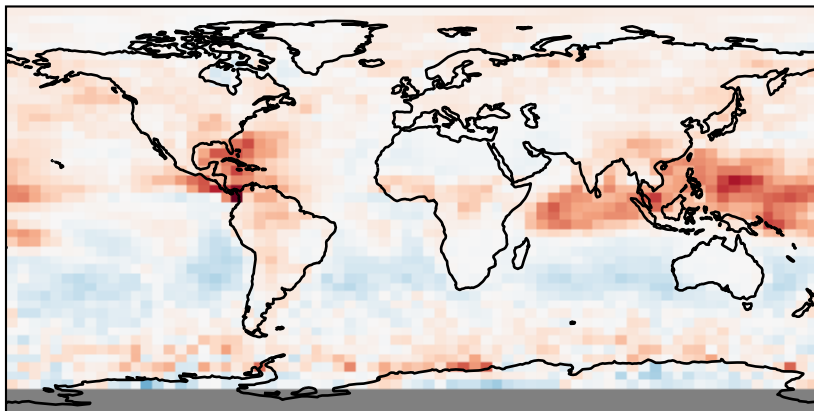
Difference  
Dev - Ref, Dynamic Range



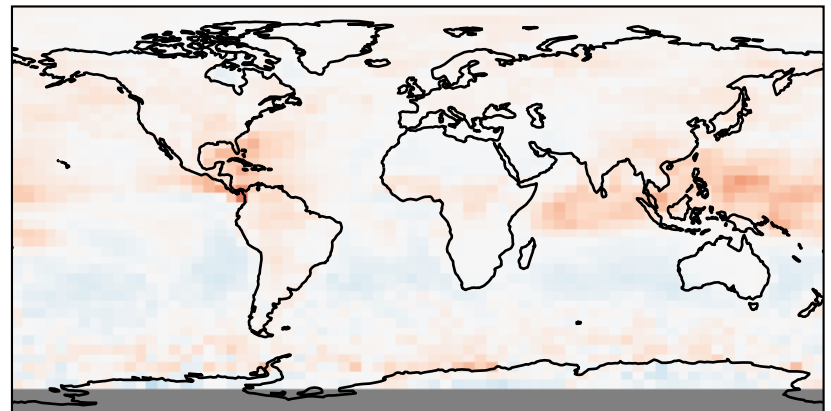
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

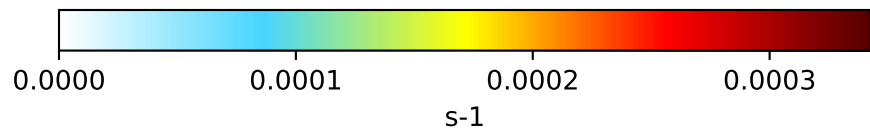
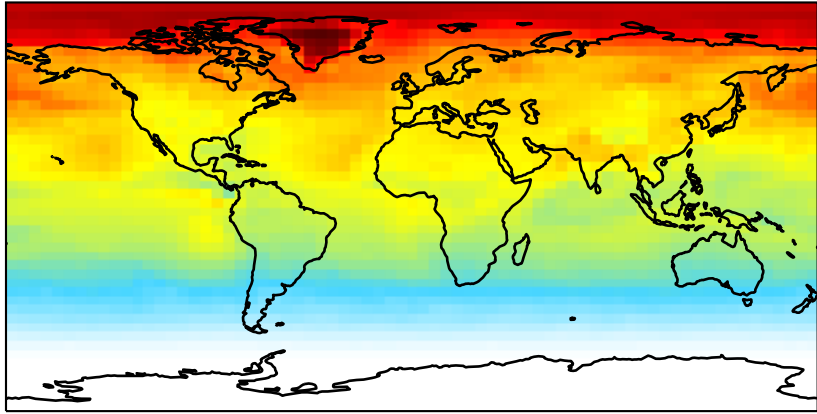


Ratio  
Dev/Ref, Fixed Range

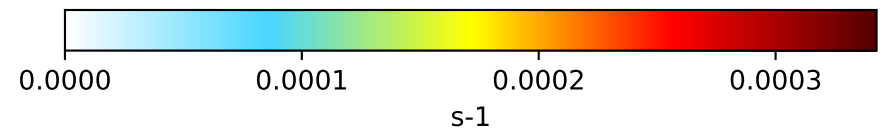
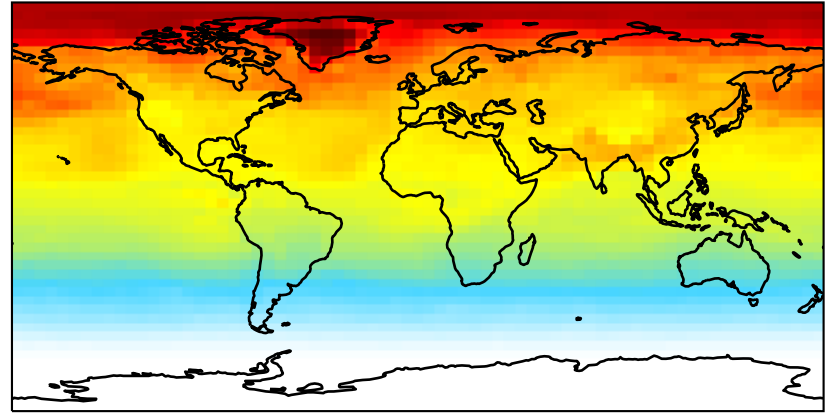


# Jval\_ICN

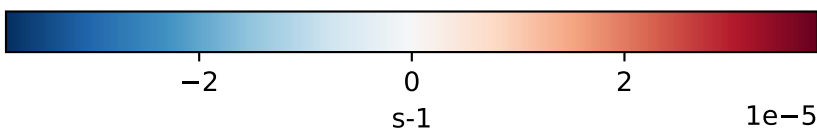
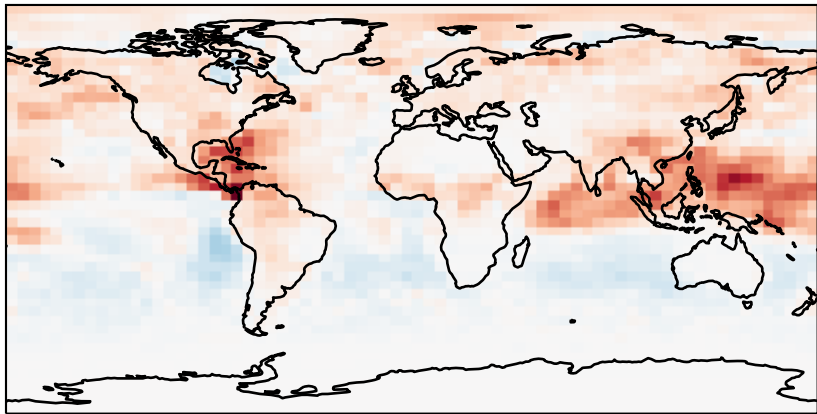
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



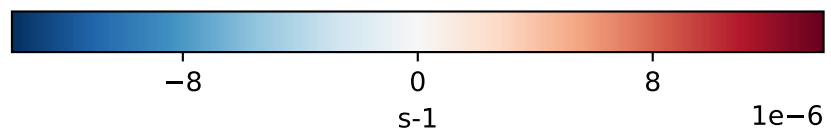
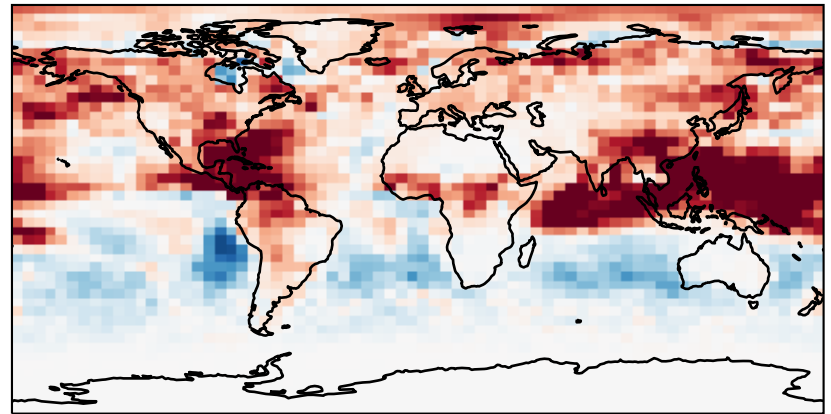
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



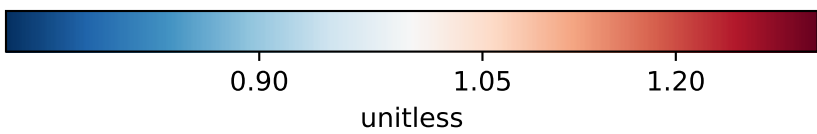
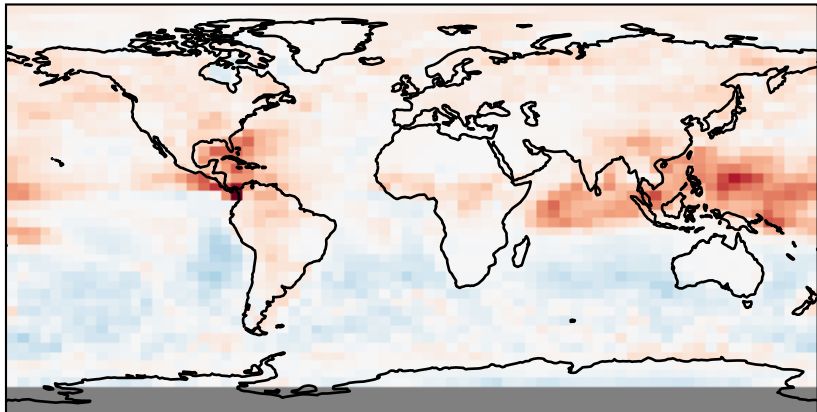
Difference  
Dev - Ref, Dynamic Range



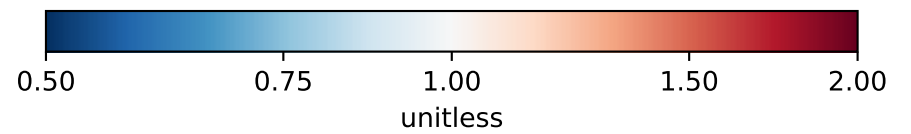
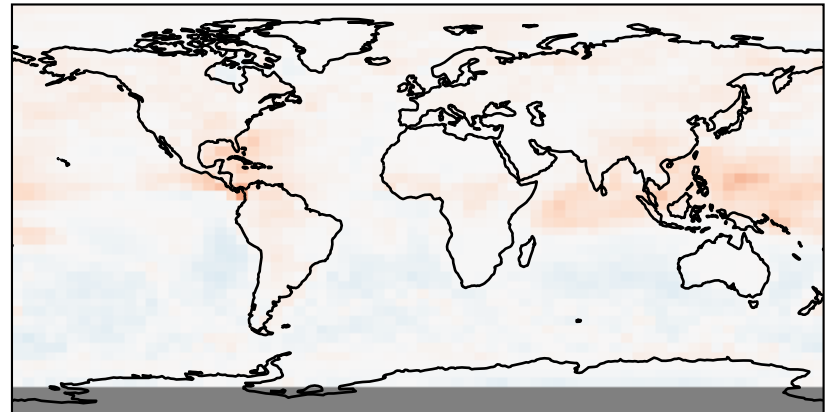
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



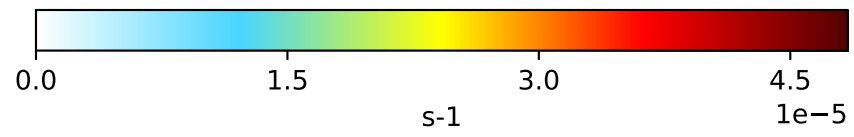
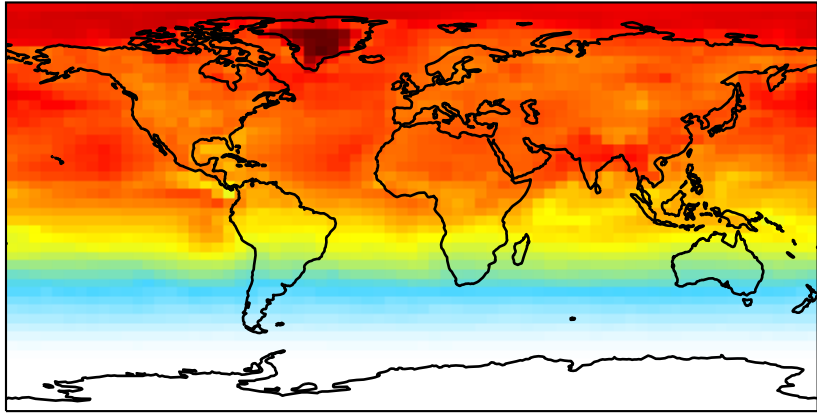
Ratio  
Dev/Ref, Fixed Range



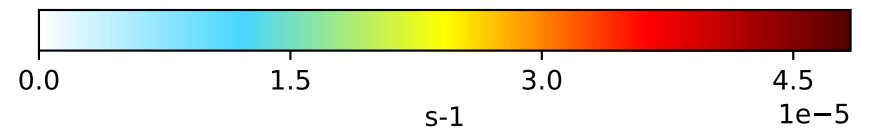
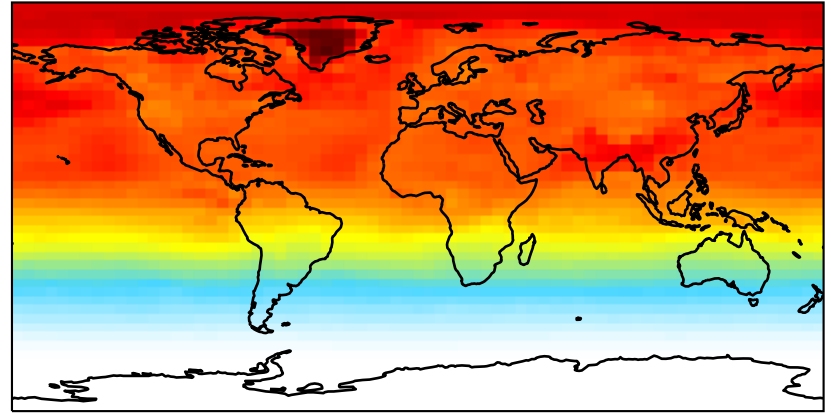


# Jval\_ICPDH

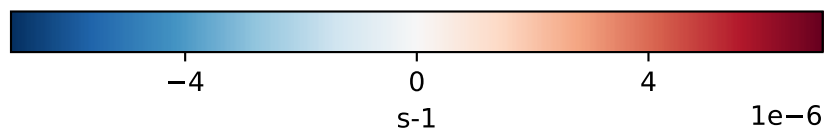
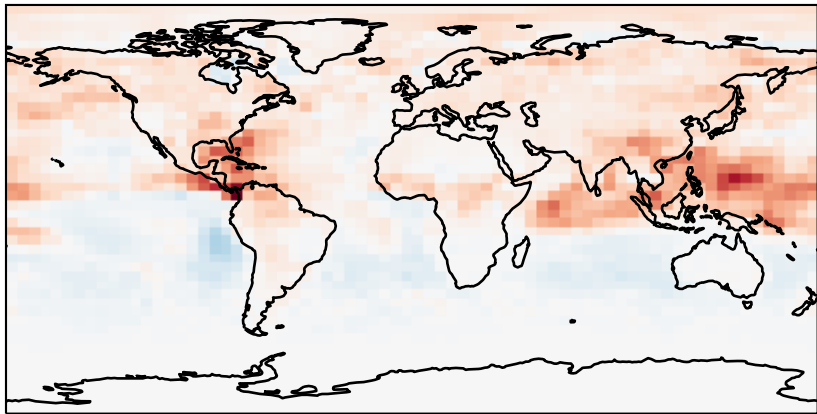
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



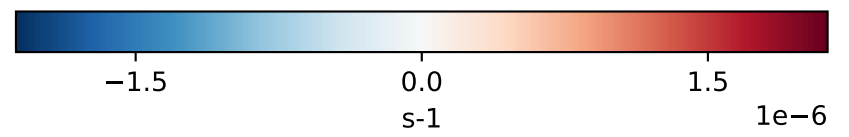
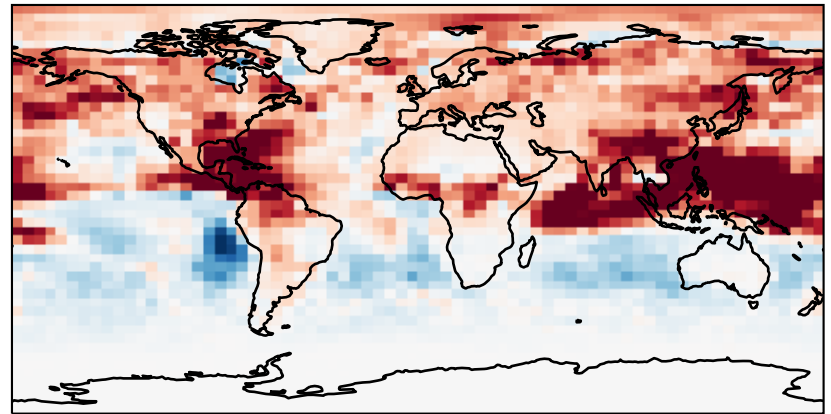
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



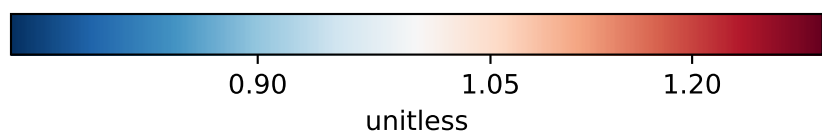
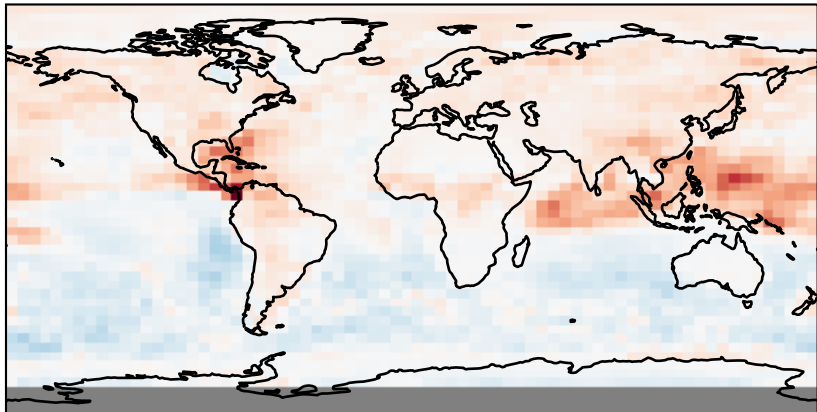
Difference  
Dev - Ref, Dynamic Range



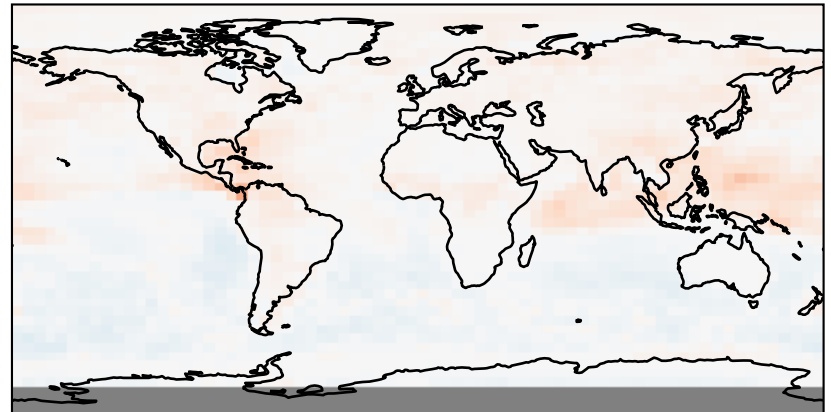
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

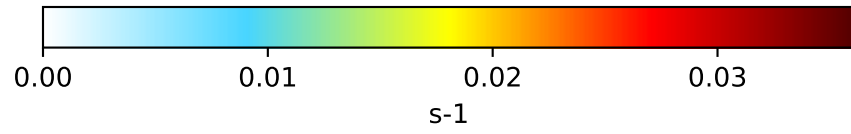
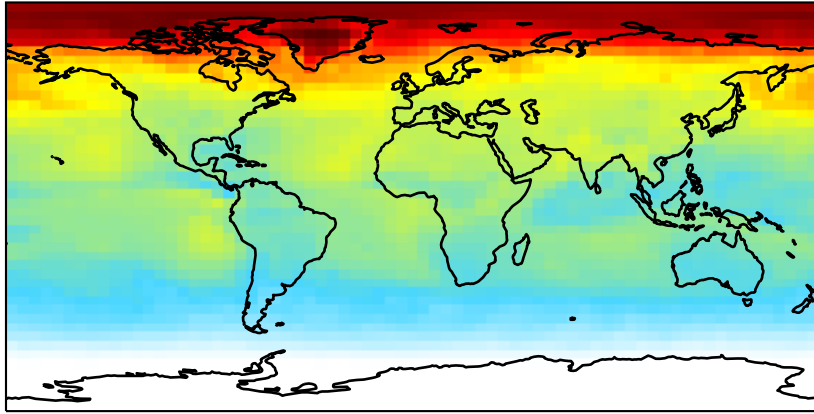


Ratio  
Dev/Ref, Fixed Range

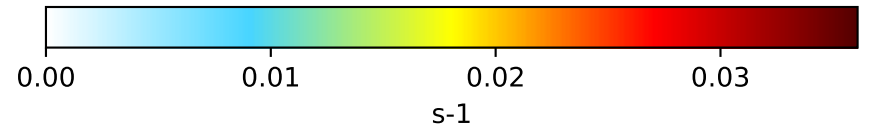
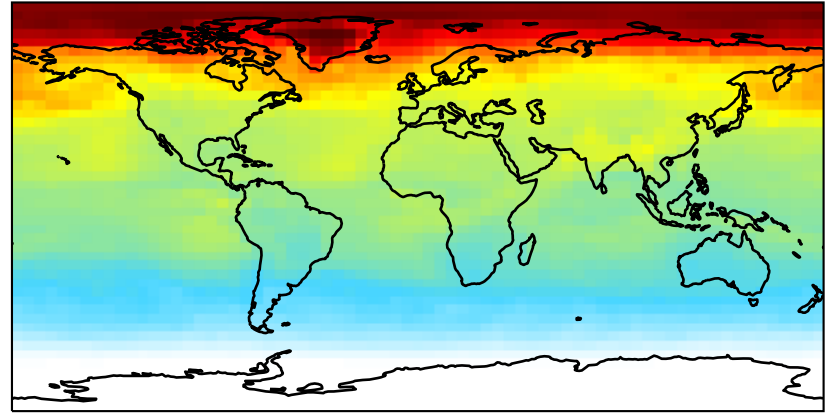


# Jval\_ICI

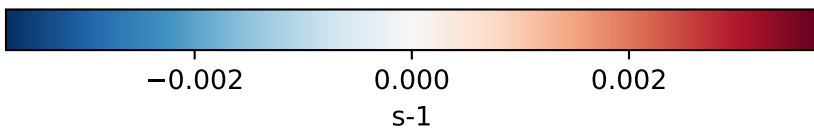
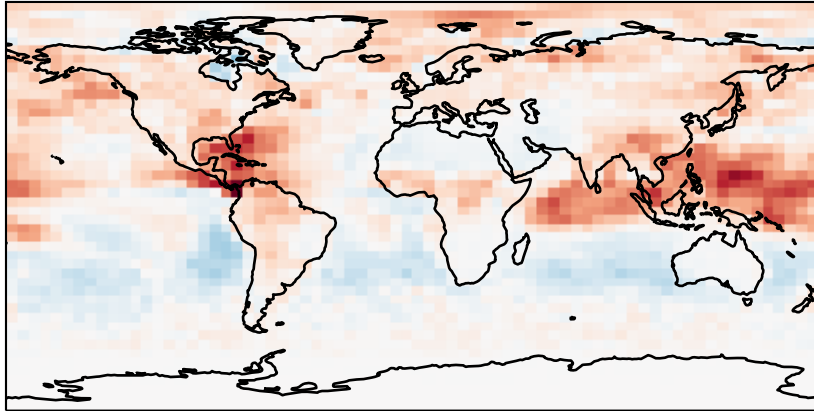
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



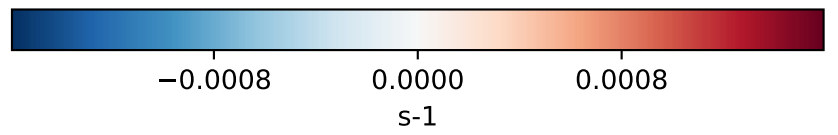
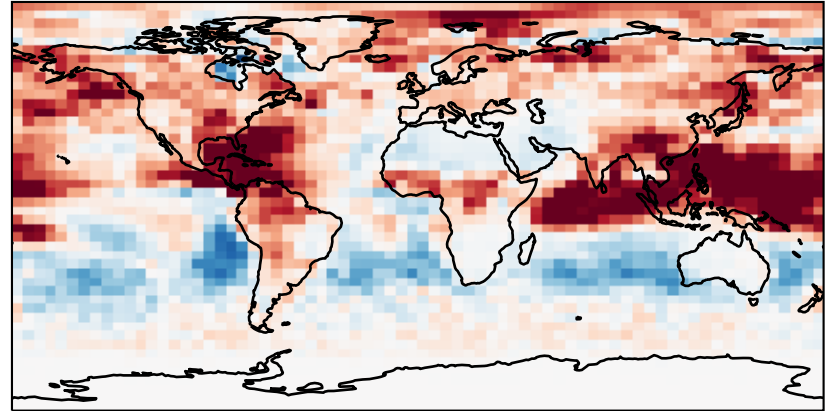
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



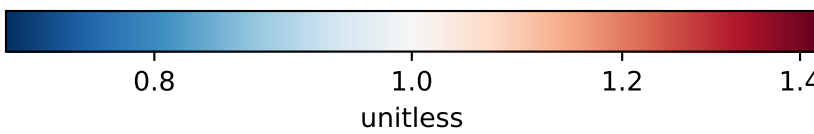
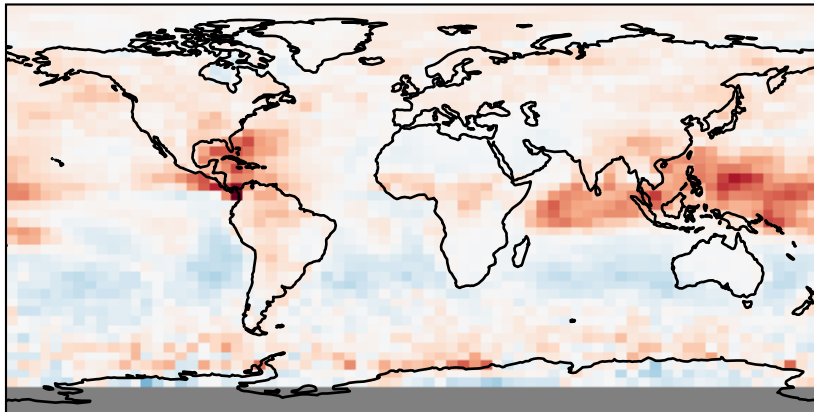
Difference  
Dev - Ref, Dynamic Range



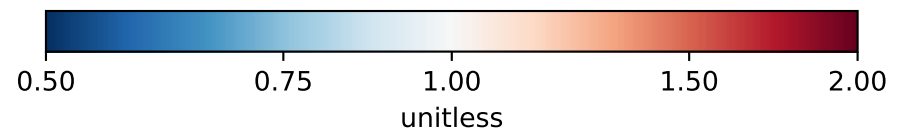
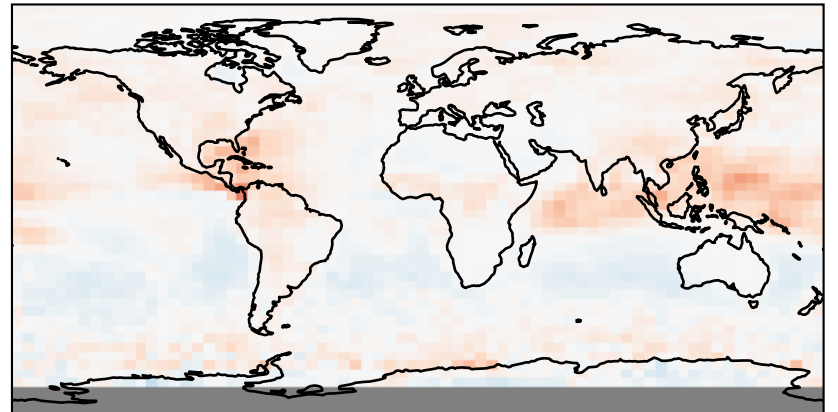
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

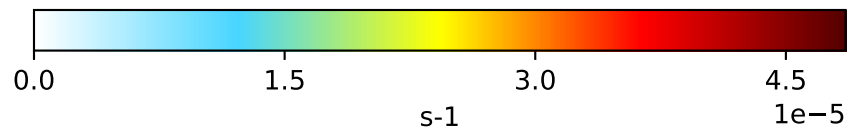
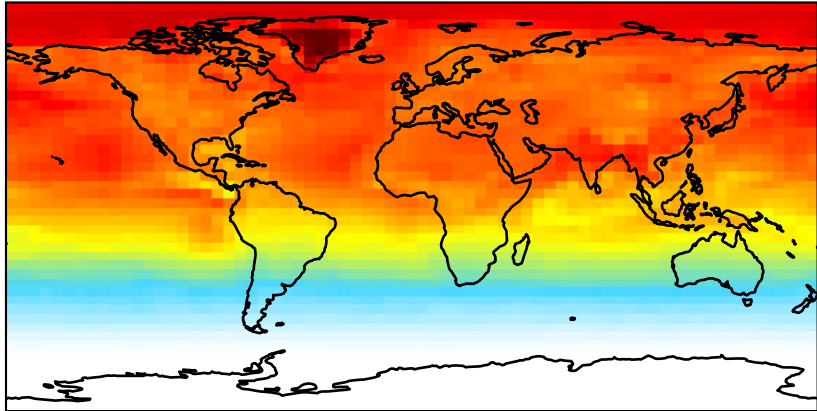


Ratio  
Dev/Ref, Fixed Range

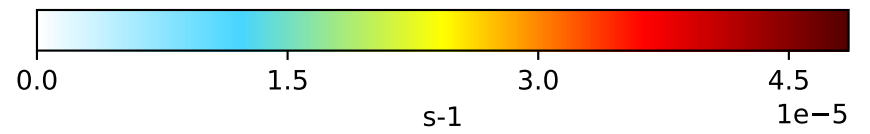
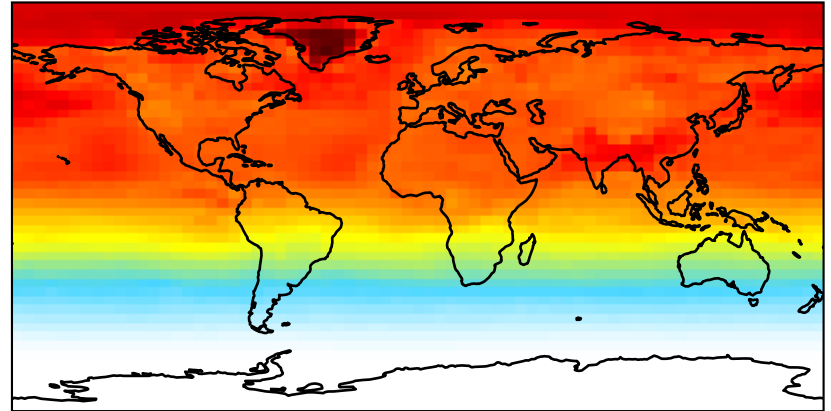


# Jval\_IDCHP

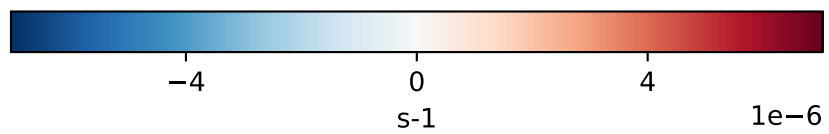
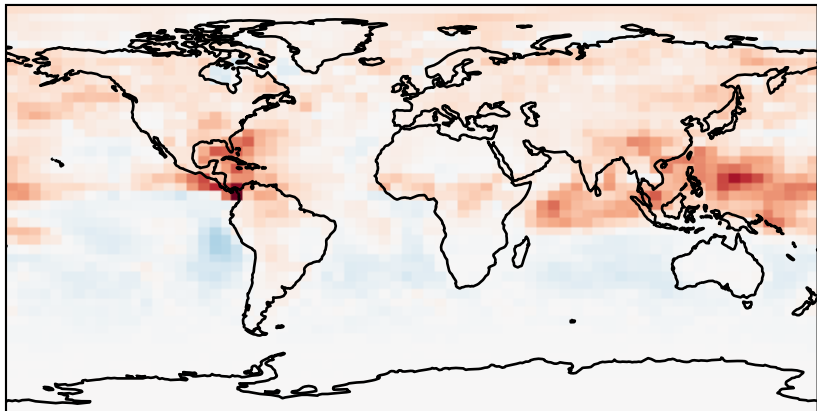
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



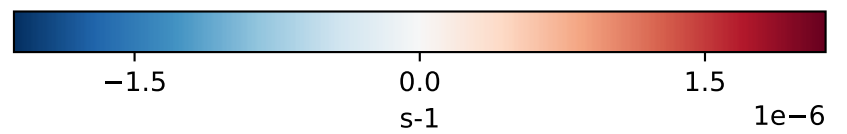
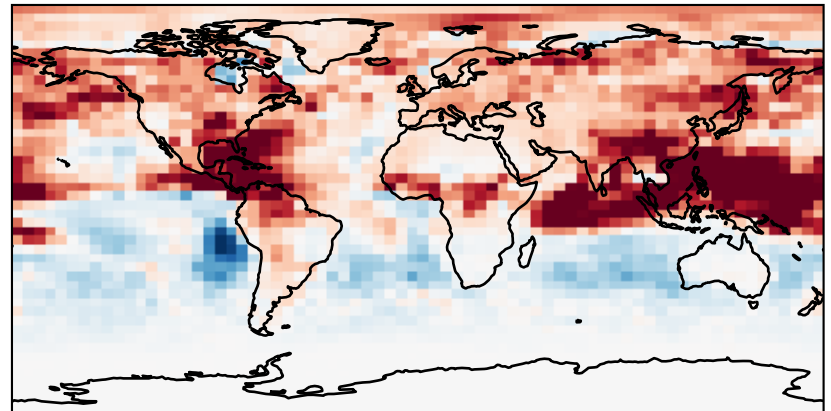
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



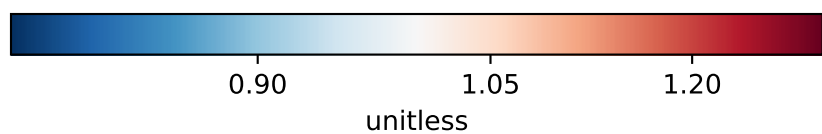
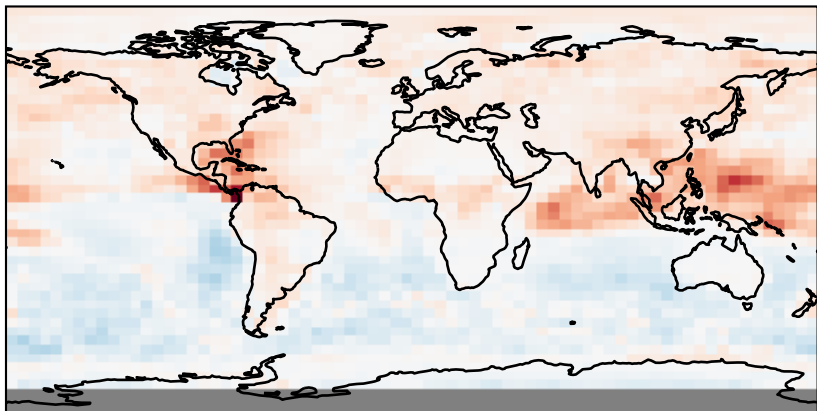
Difference  
Dev - Ref, Dynamic Range



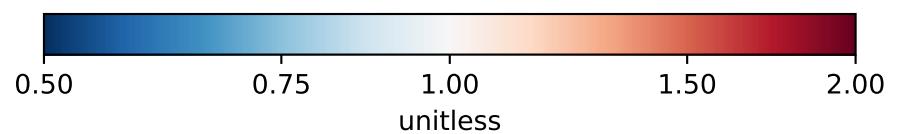
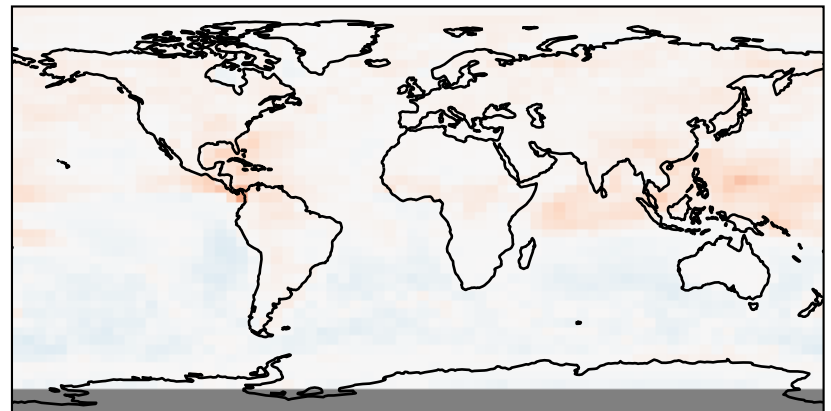
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

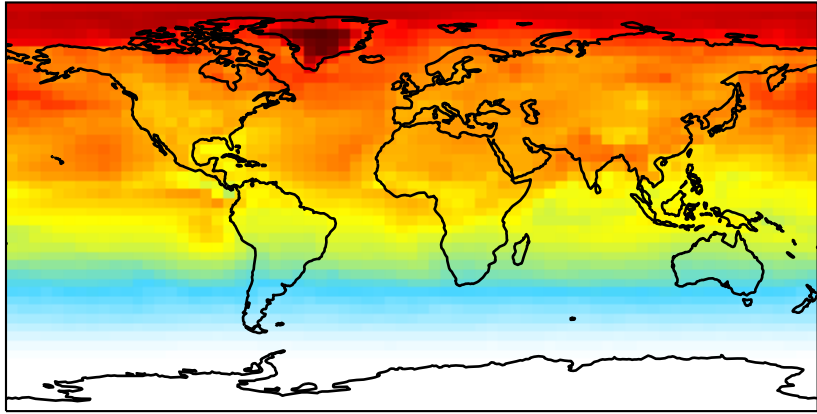


Ratio  
Dev/Ref, Fixed Range

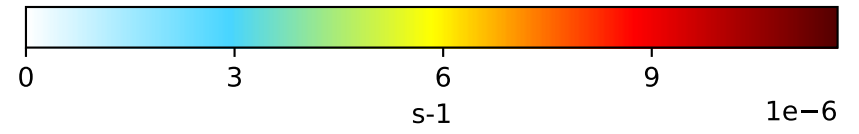
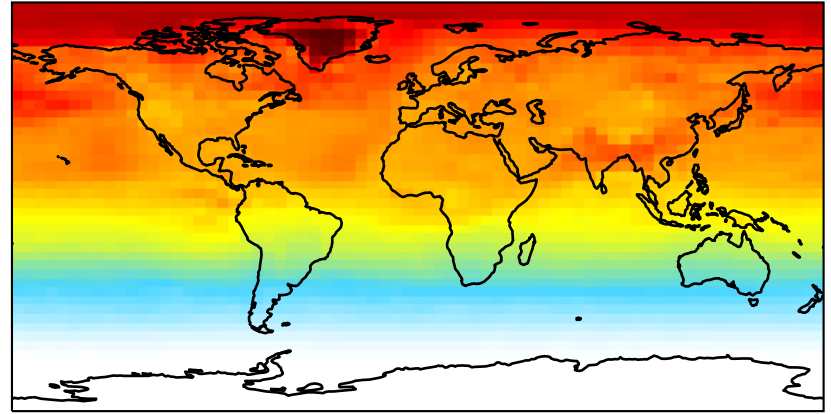


# Jval\_IDHDP

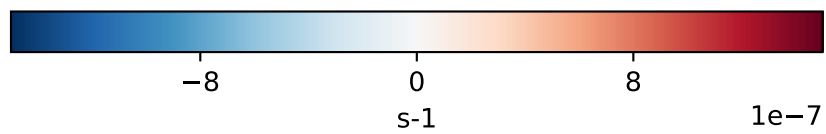
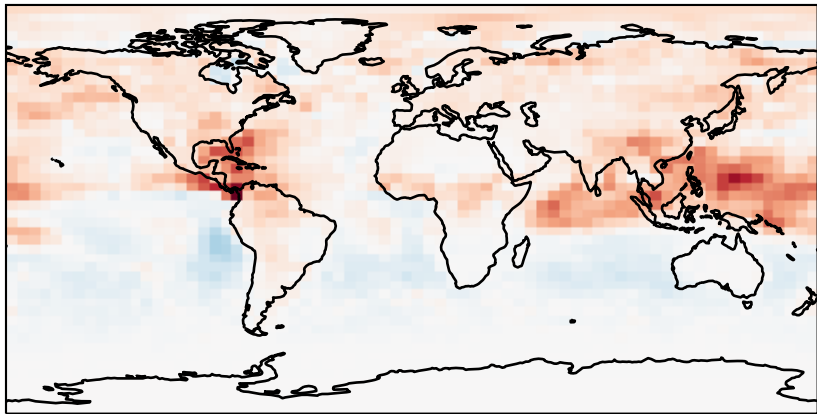
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



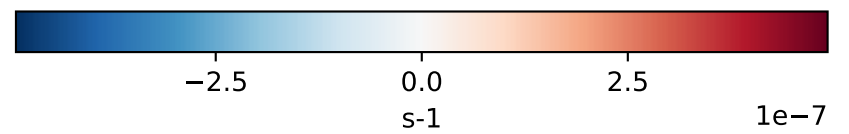
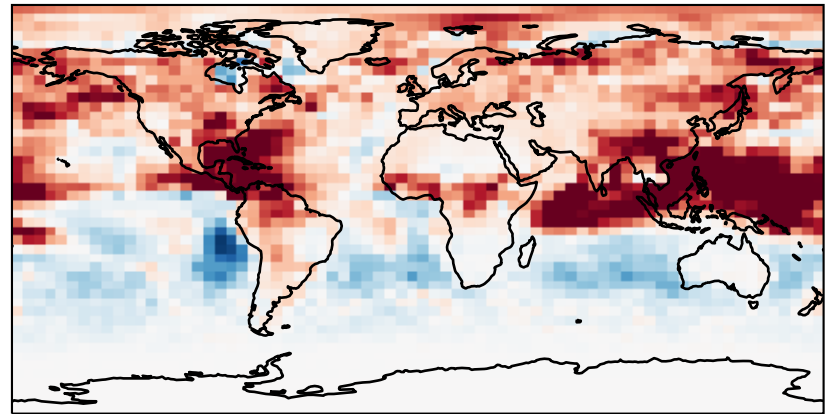
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



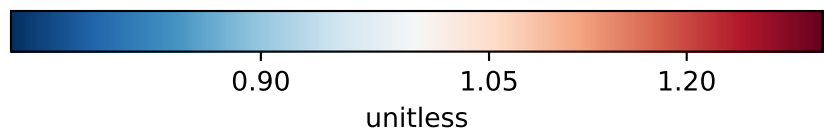
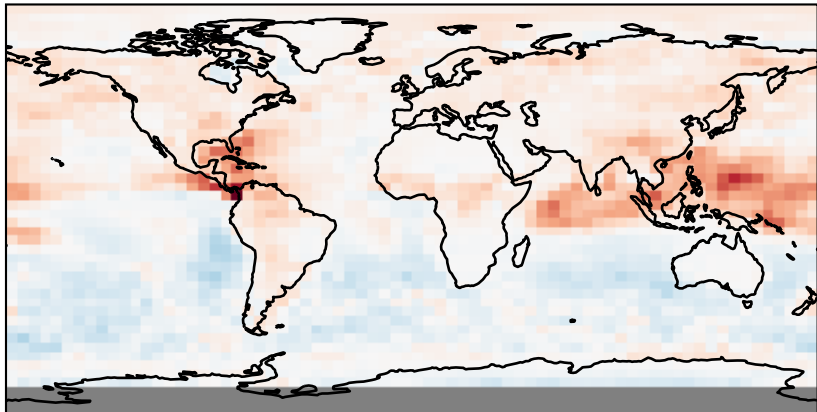
Difference  
Dev - Ref, Dynamic Range



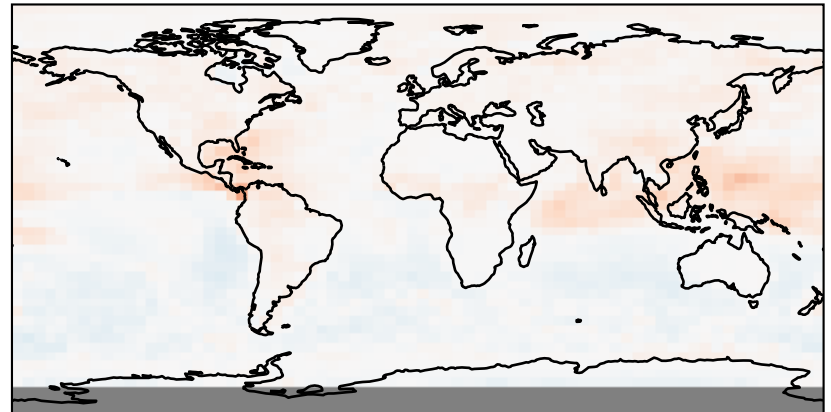
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

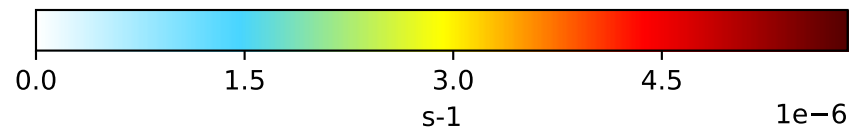
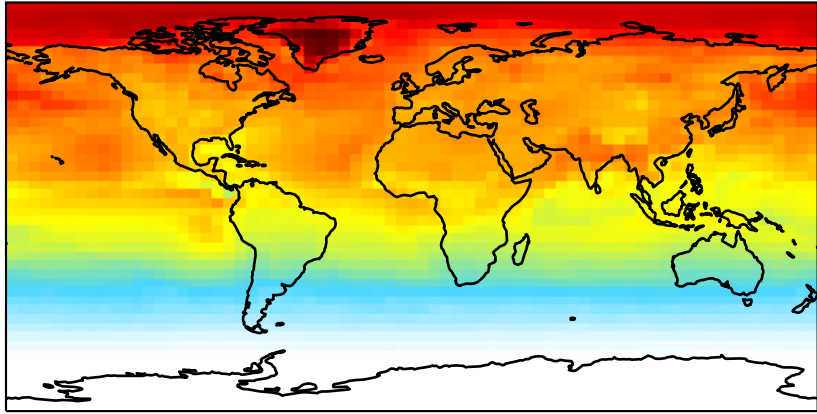


Ratio  
Dev/Ref, Fixed Range

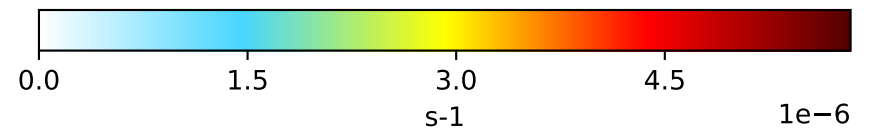
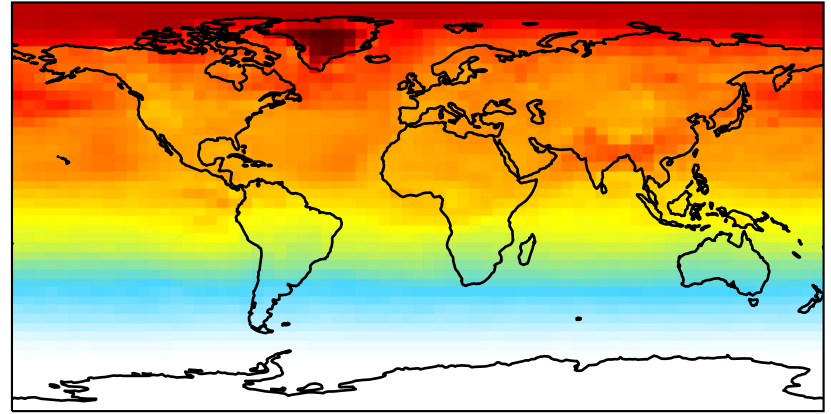


# Jval\_IDHPE

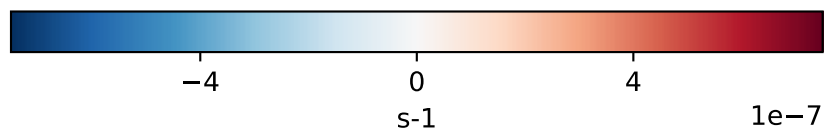
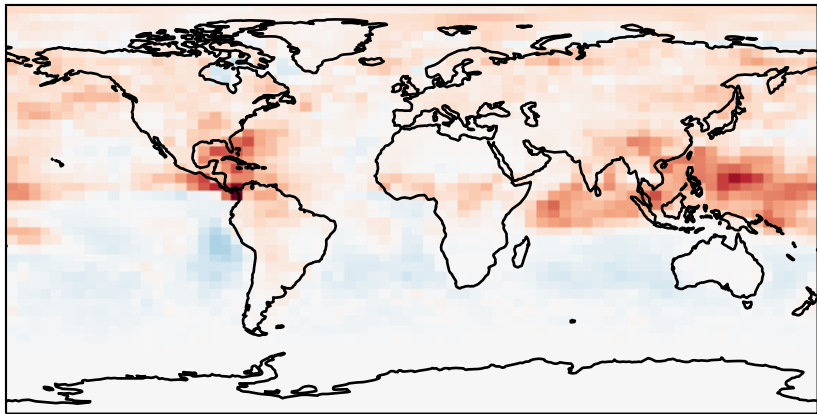
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



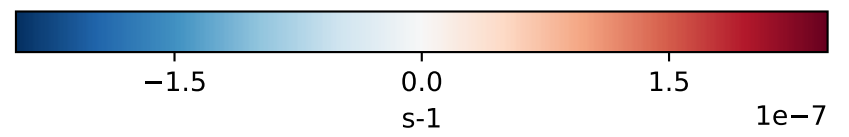
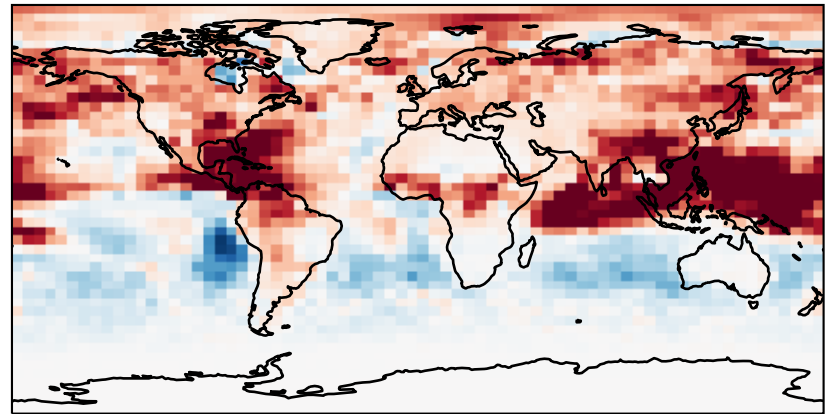
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



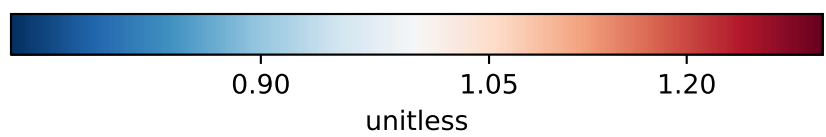
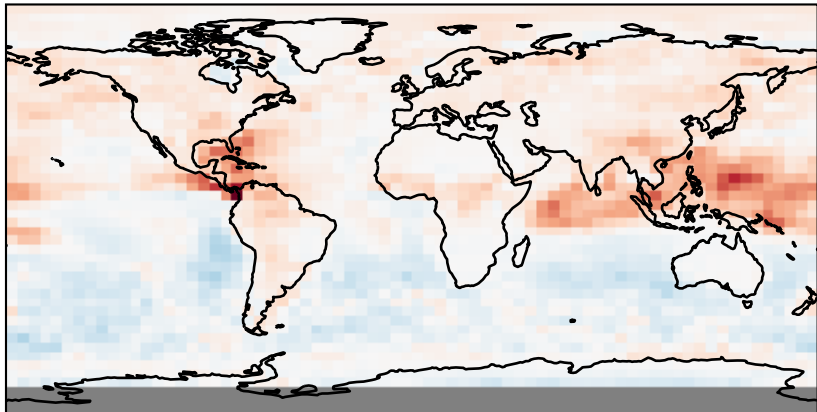
Difference  
Dev - Ref, Dynamic Range



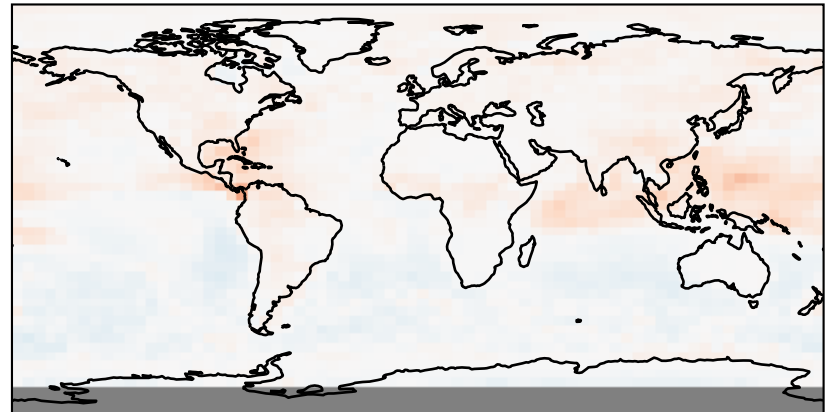
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

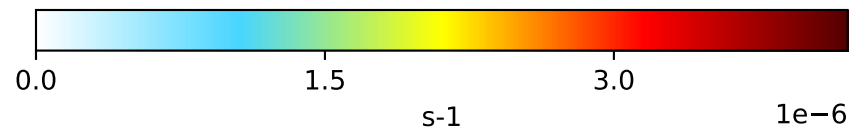
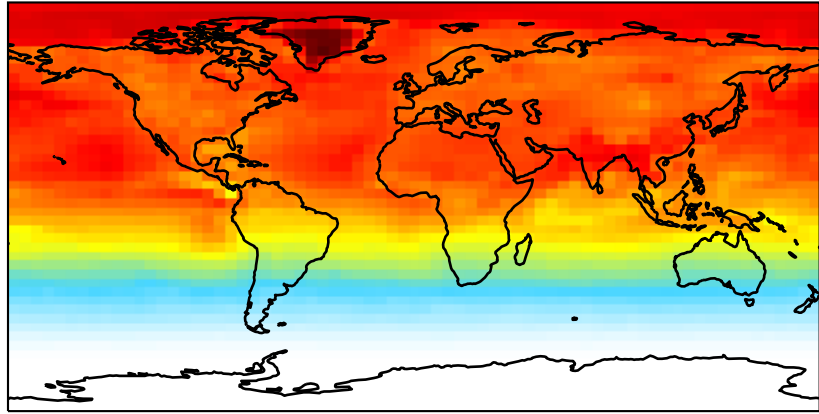


Ratio  
Dev/Ref, Fixed Range

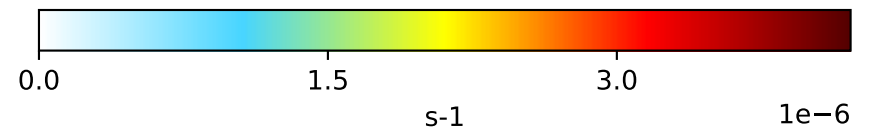
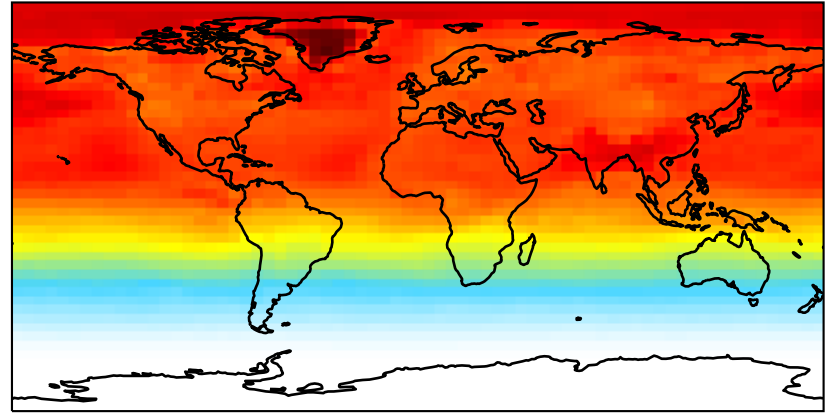


# Jval\_IDN

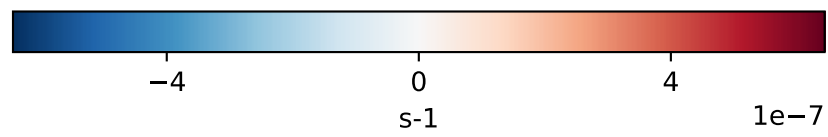
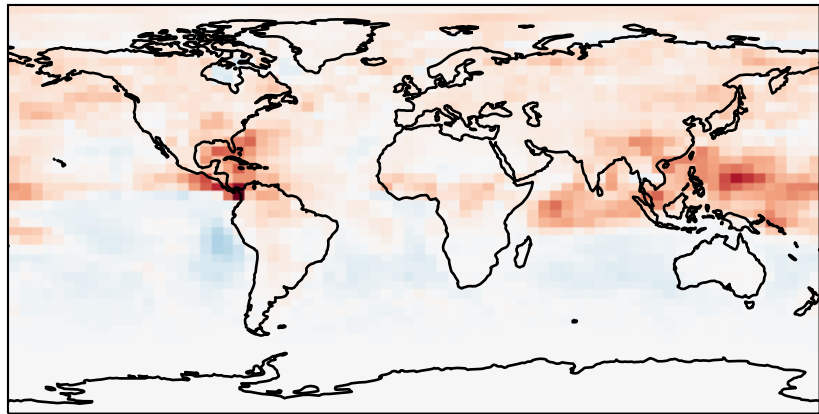
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



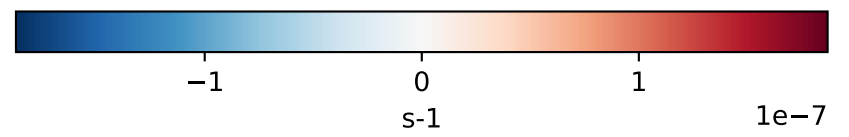
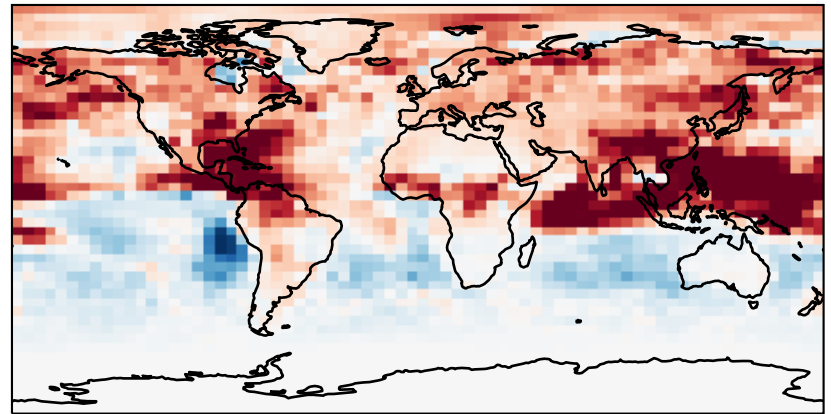
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



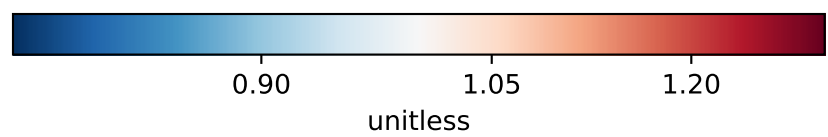
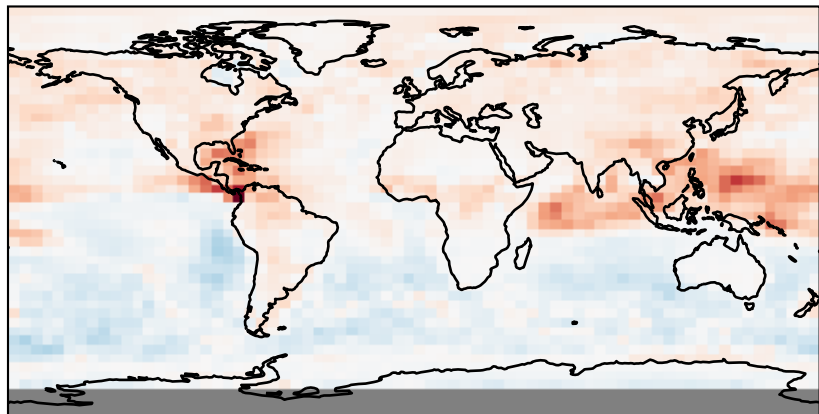
Difference  
Dev - Ref, Dynamic Range



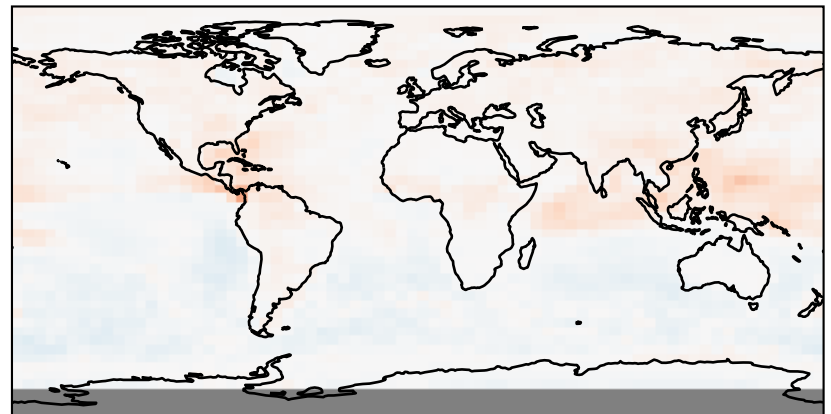
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

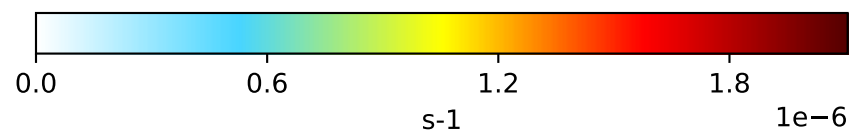
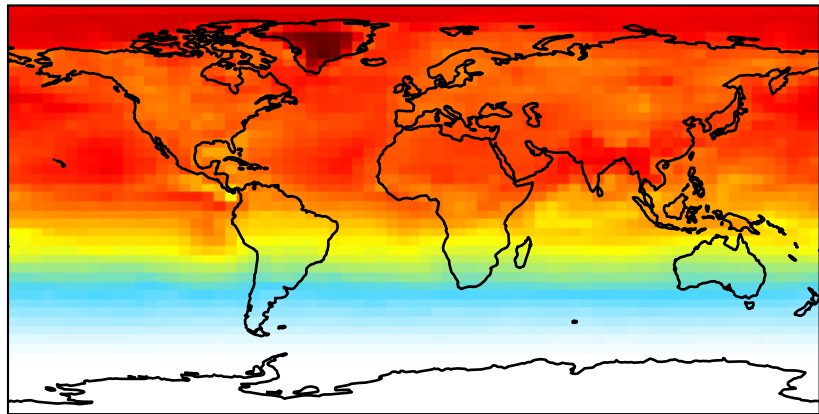


Ratio  
Dev/Ref, Fixed Range

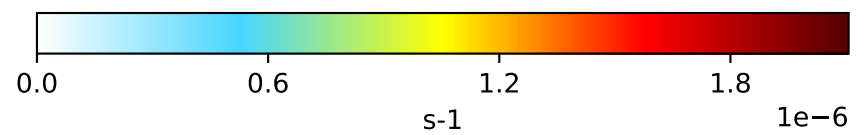
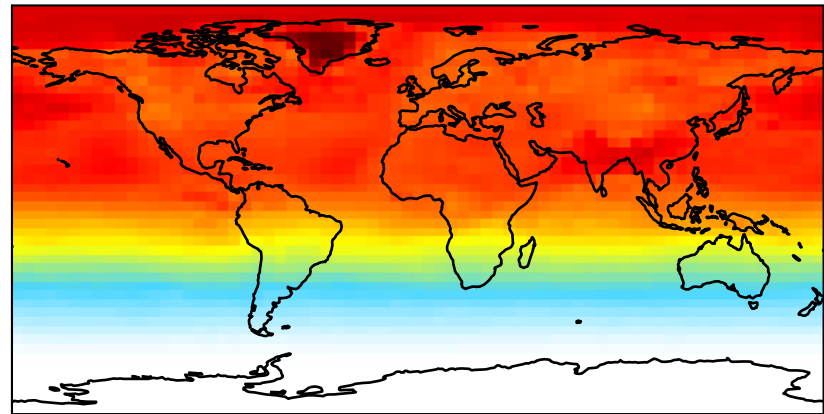


# Jval\_IHN1

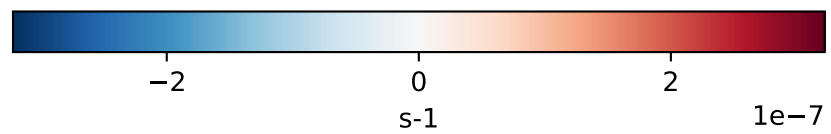
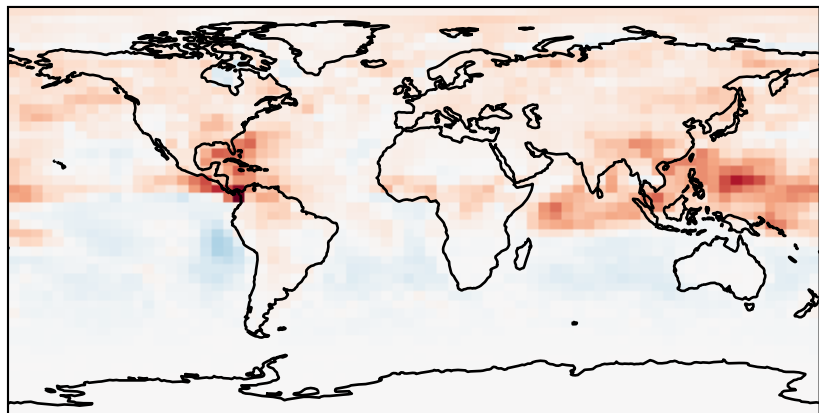
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



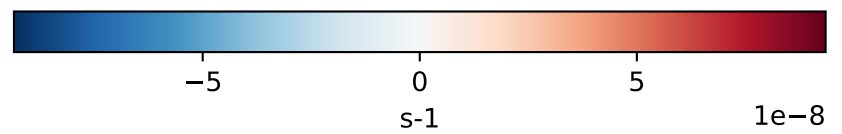
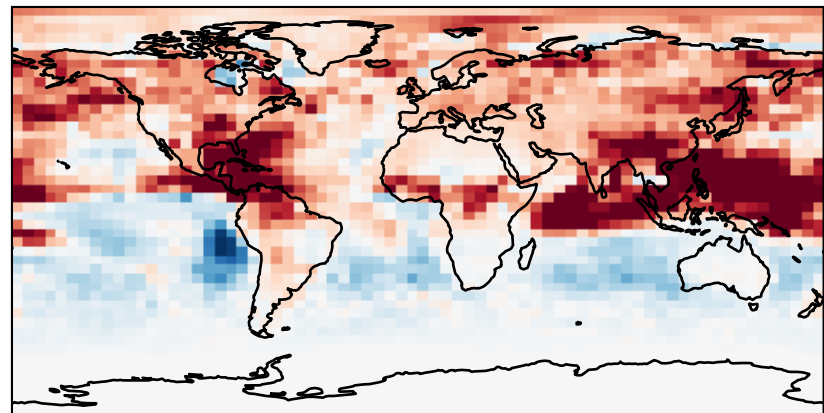
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



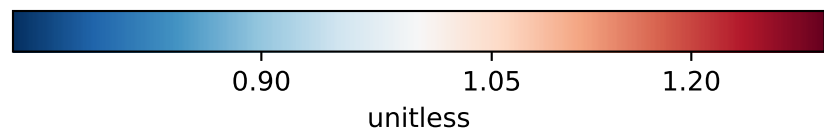
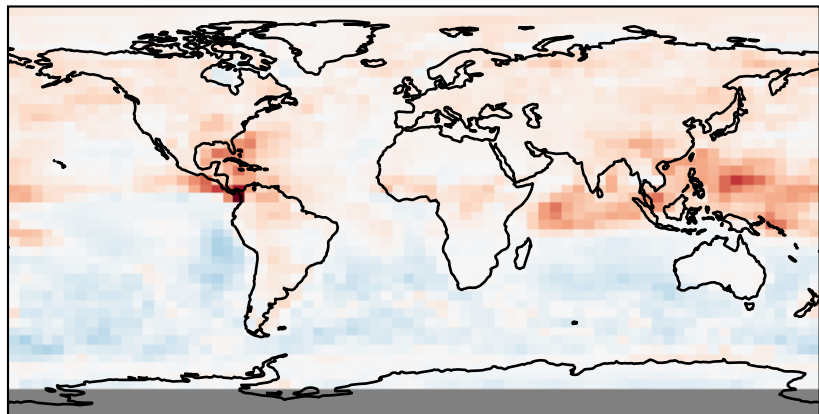
Difference  
Dev - Ref, Dynamic Range



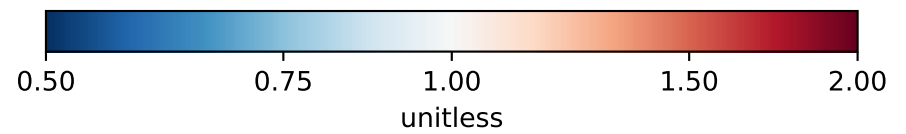
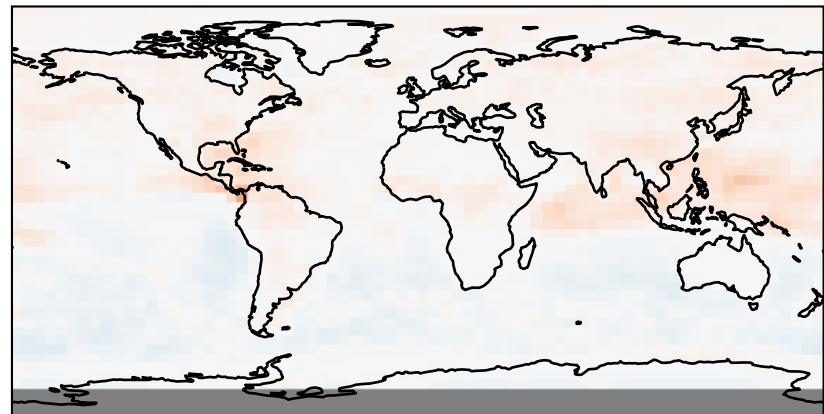
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

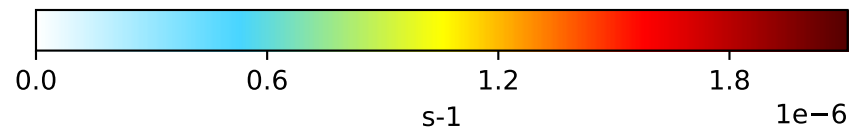
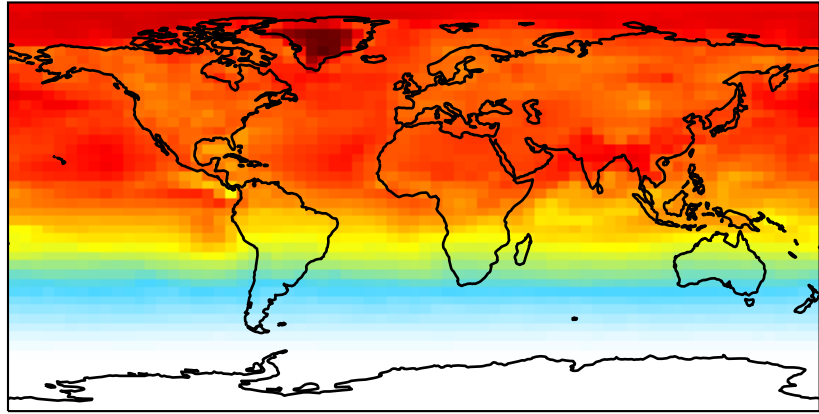


Ratio  
Dev/Ref, Fixed Range

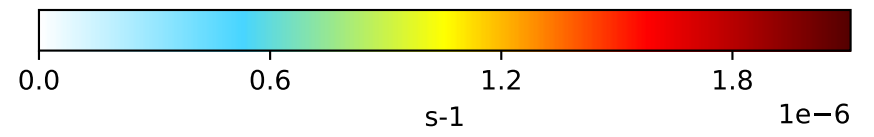
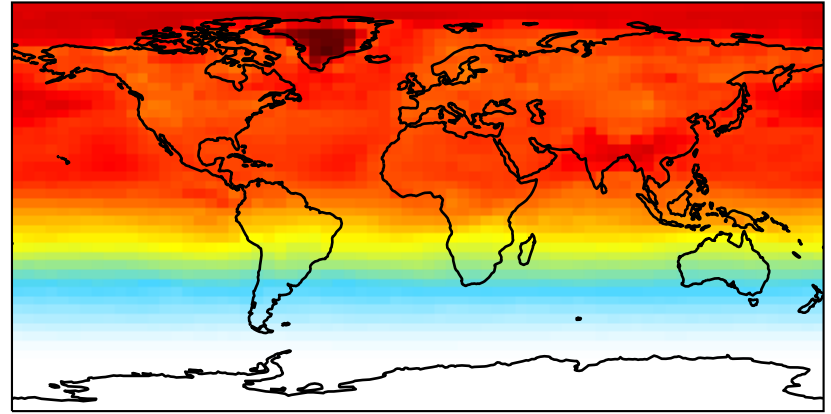


# Jval\_IHN2

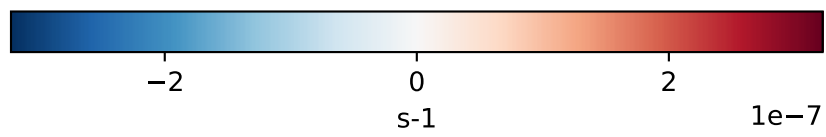
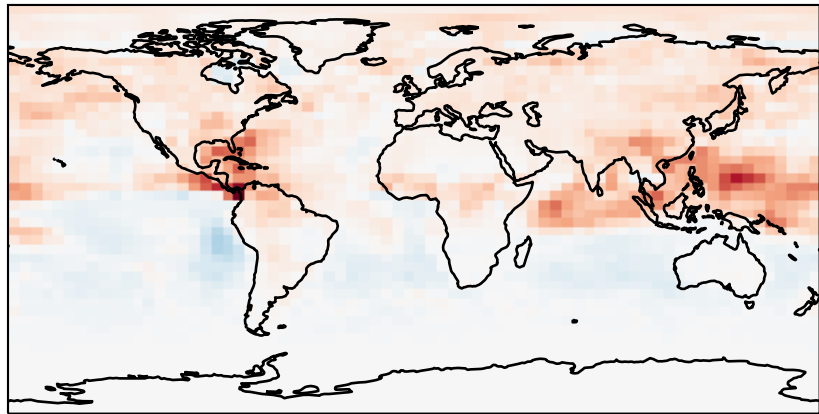
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



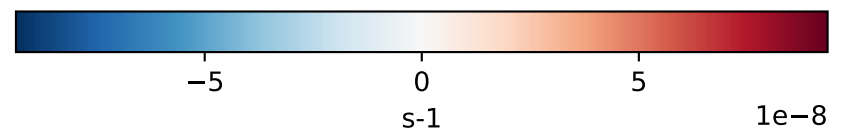
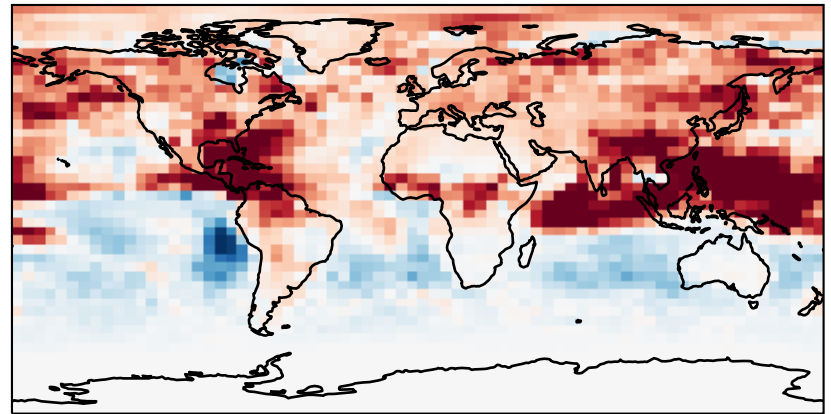
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



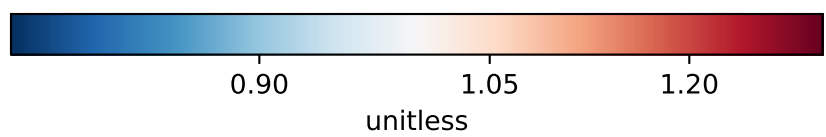
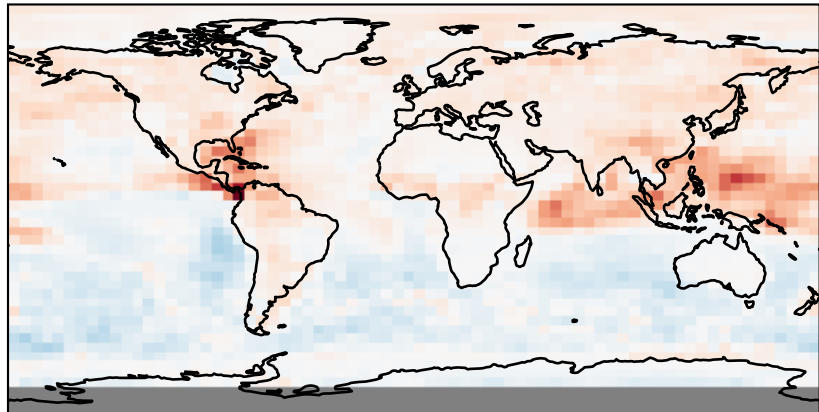
Difference  
Dev - Ref, Dynamic Range



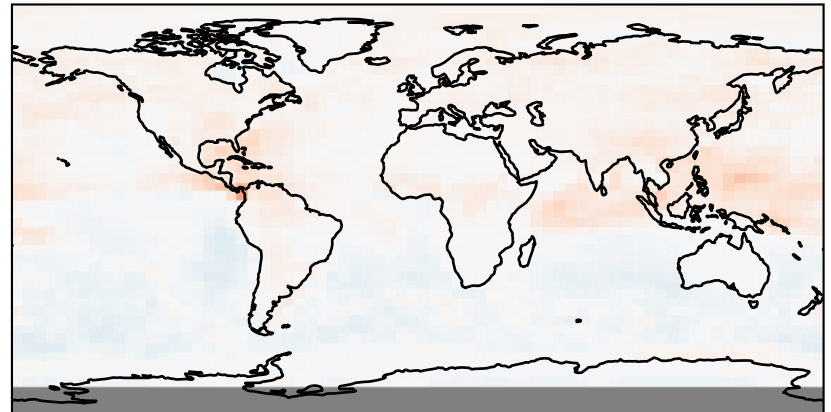
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



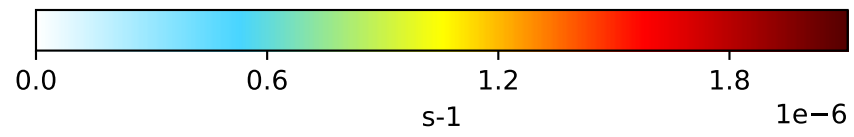
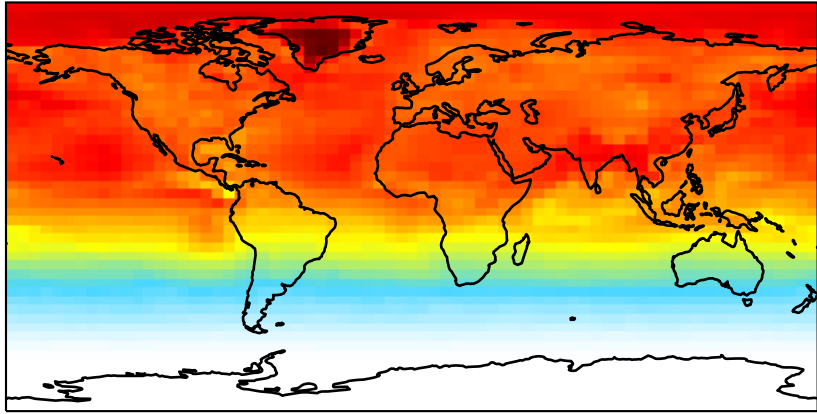
Ratio  
Dev/Ref, Fixed Range



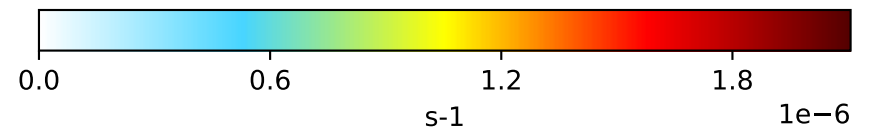
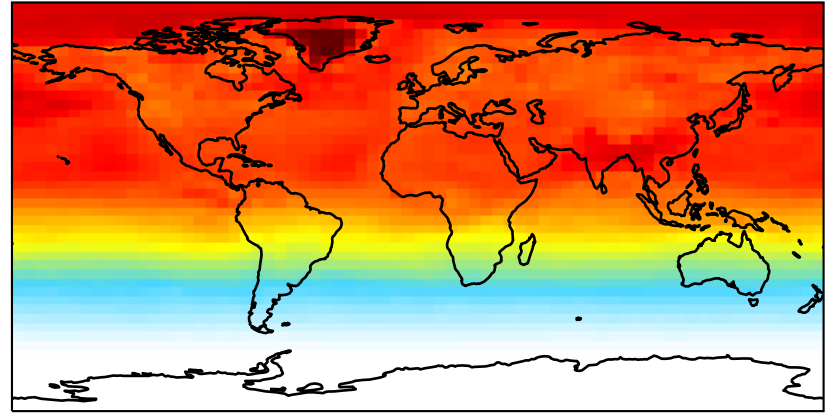


# Jval\_IHN3

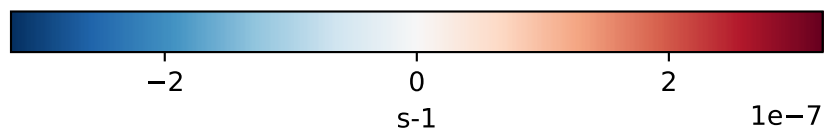
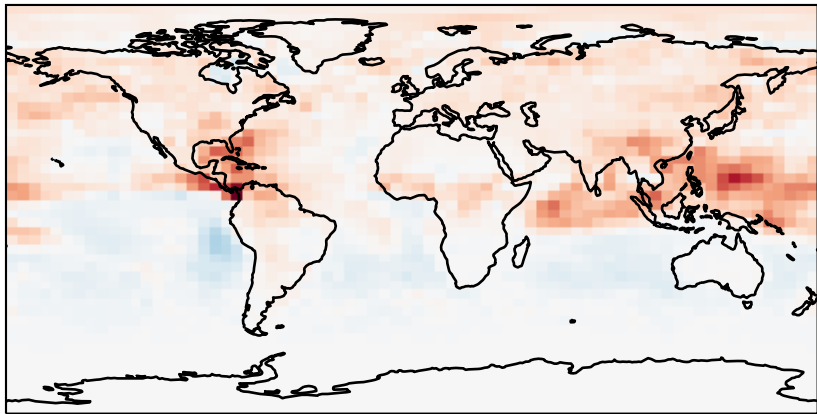
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



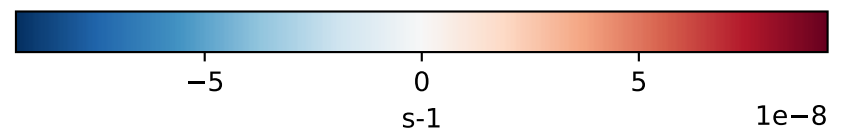
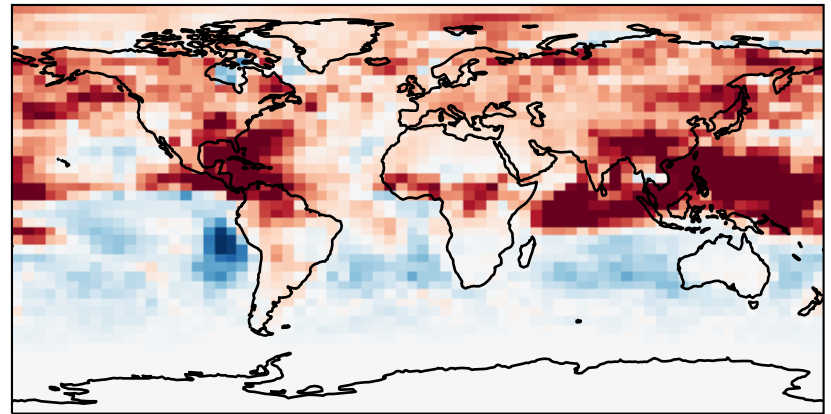
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



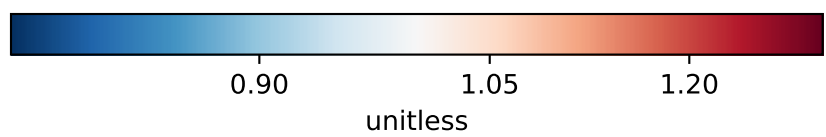
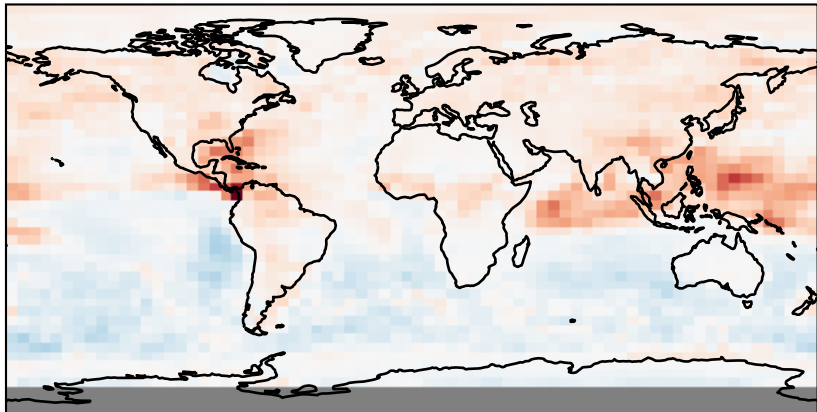
Difference  
Dev - Ref, Dynamic Range



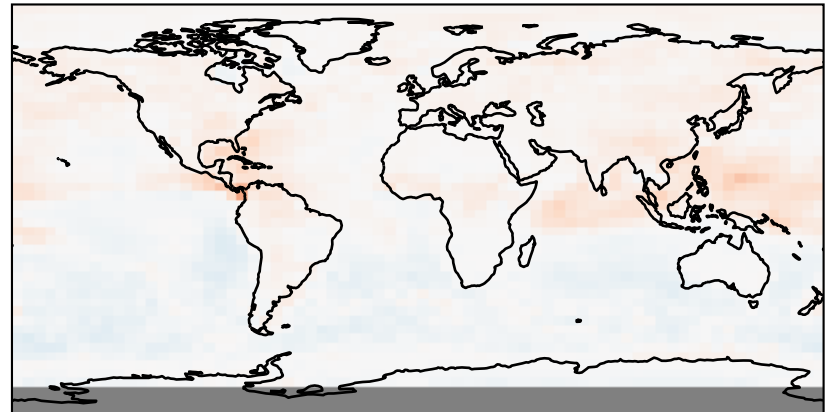
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

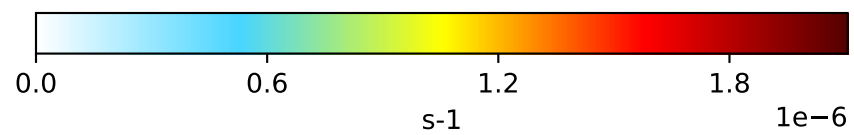
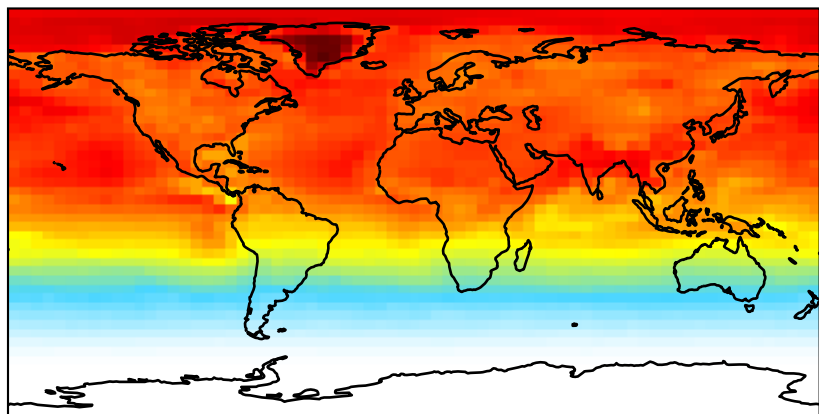


Ratio  
Dev/Ref, Fixed Range

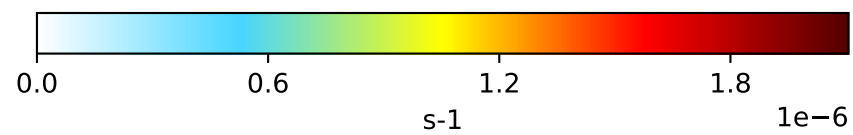
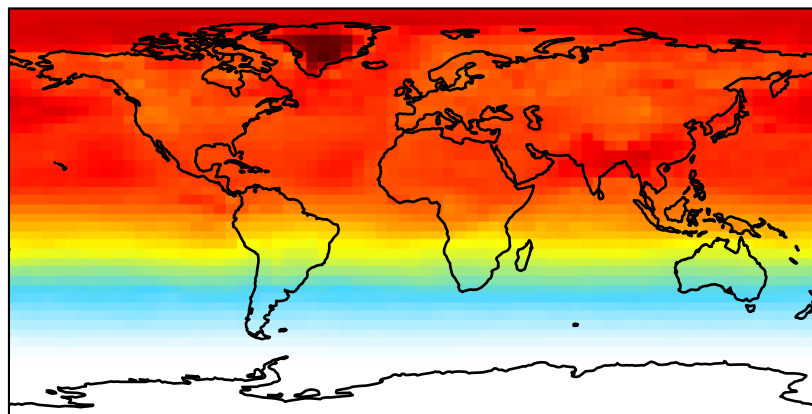


# Jval\_IHN4

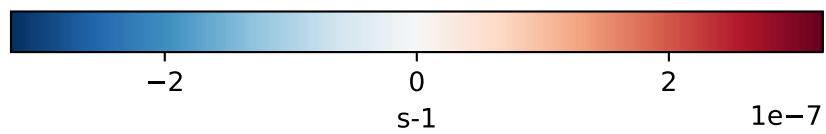
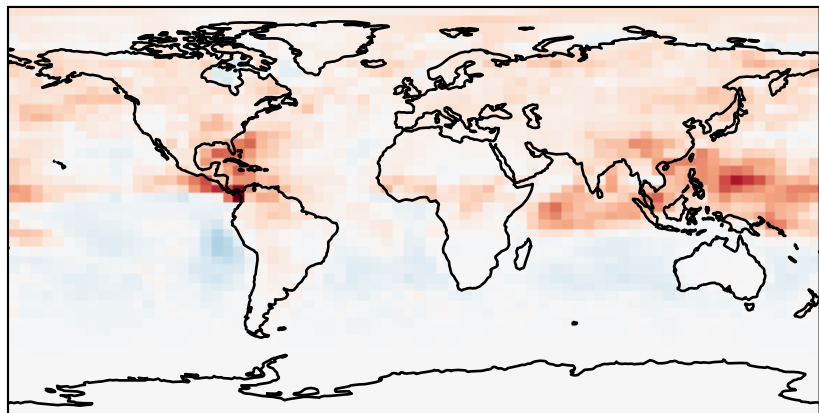
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



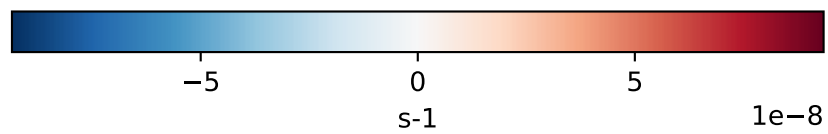
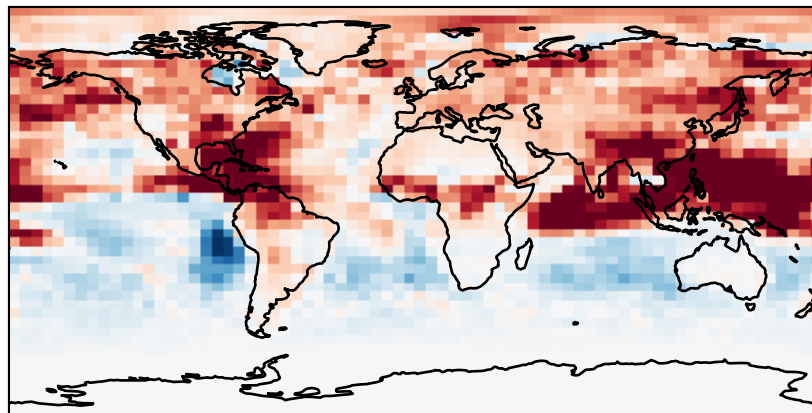
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



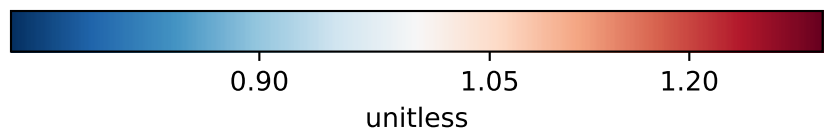
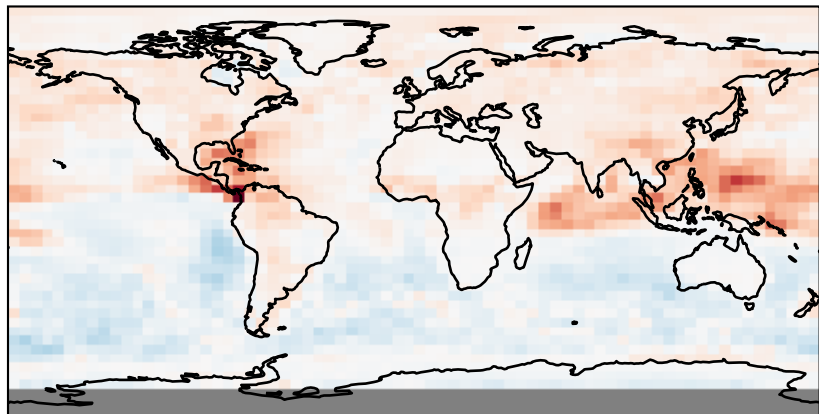
Difference  
Dev - Ref, Dynamic Range



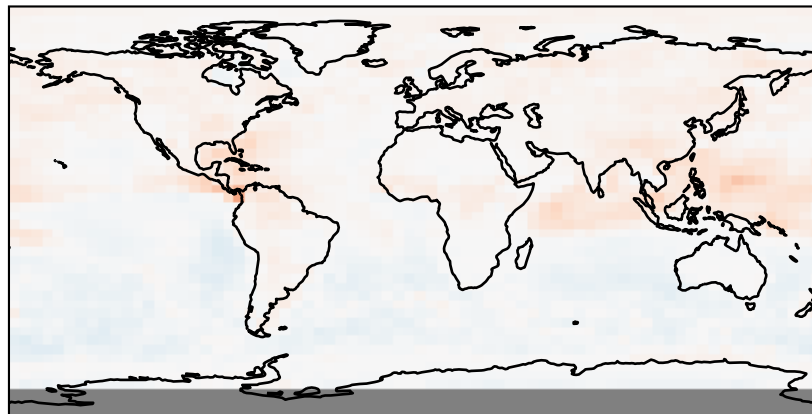
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

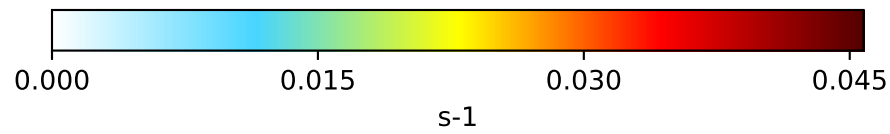
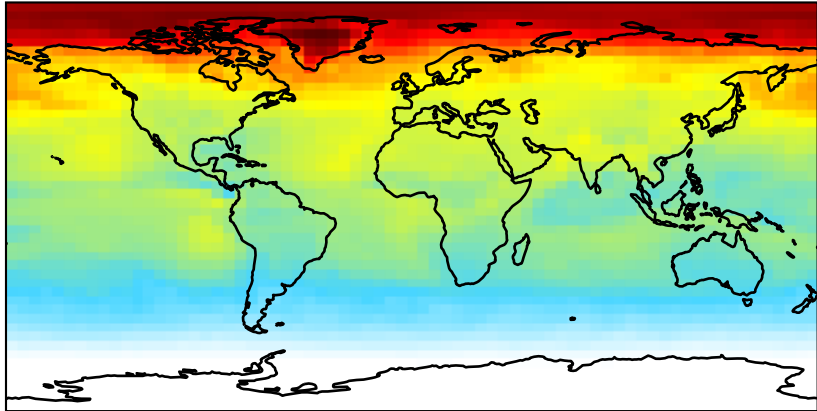


Ratio  
Dev/Ref, Fixed Range

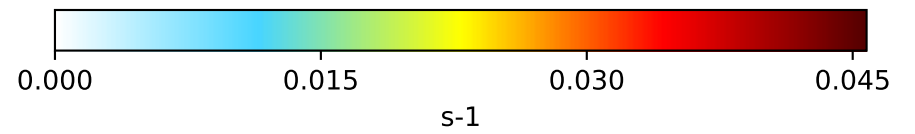
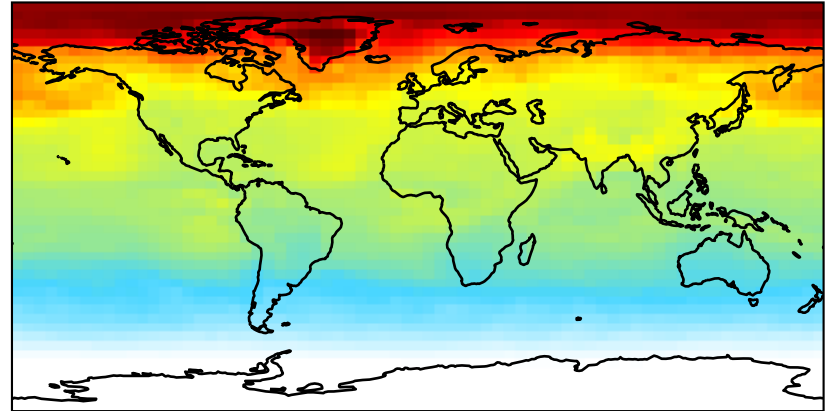


# Jval\_INO

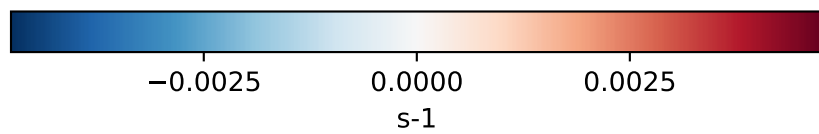
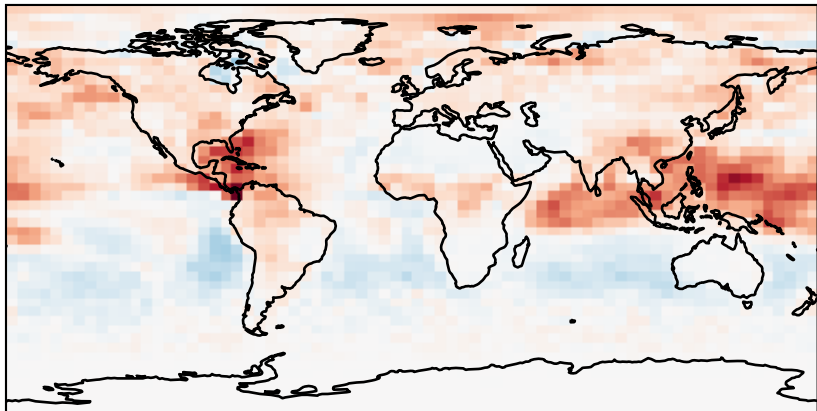
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



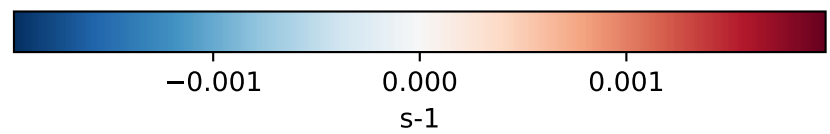
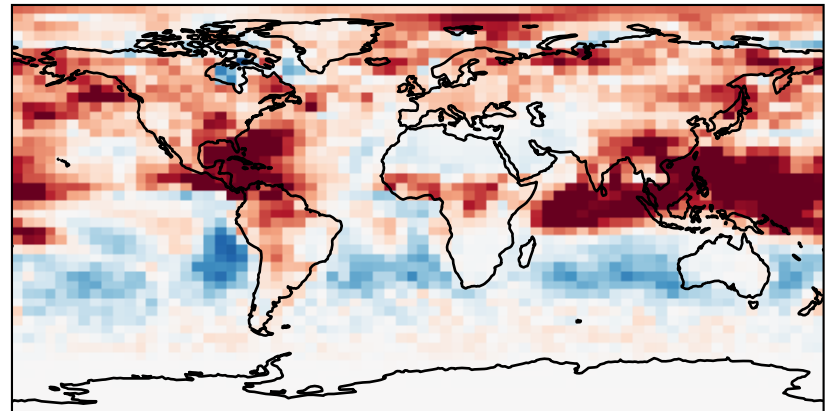
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



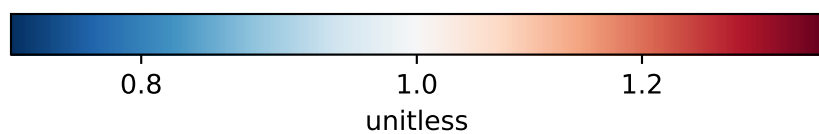
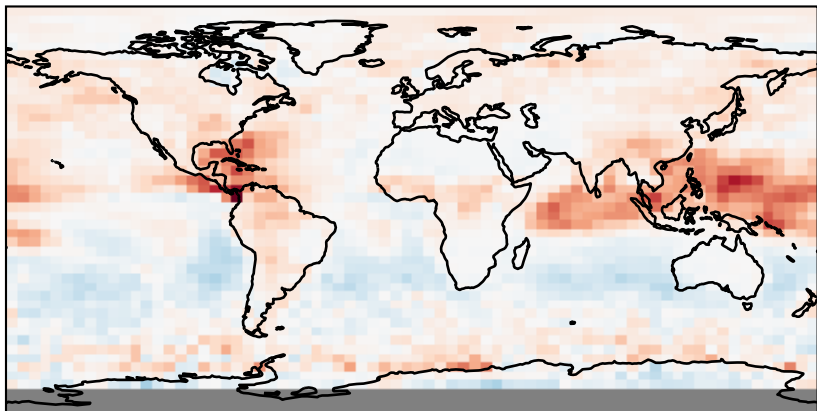
Difference  
Dev - Ref, Dynamic Range



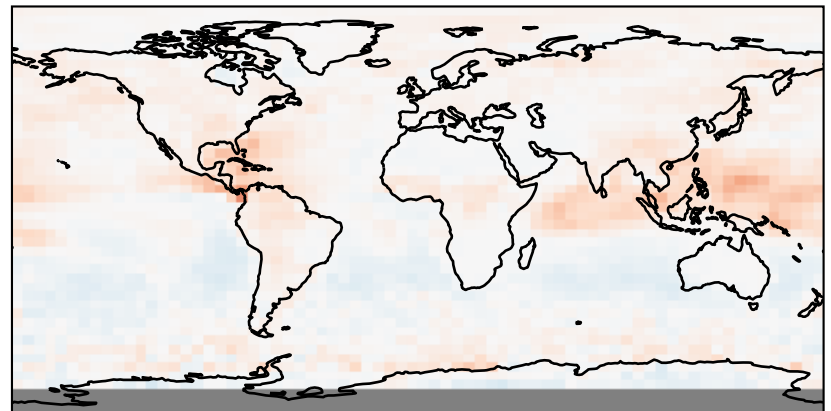
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

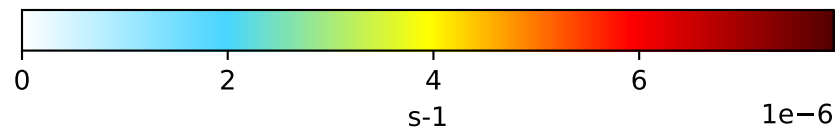
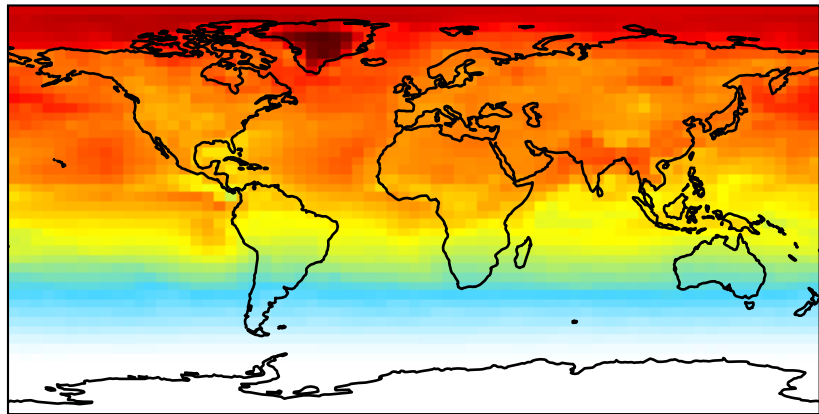


Ratio  
Dev/Ref, Fixed Range

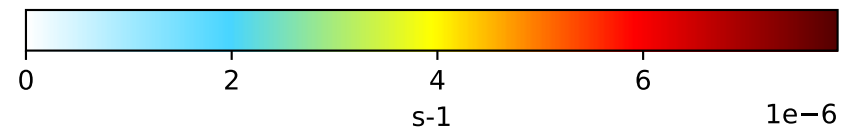
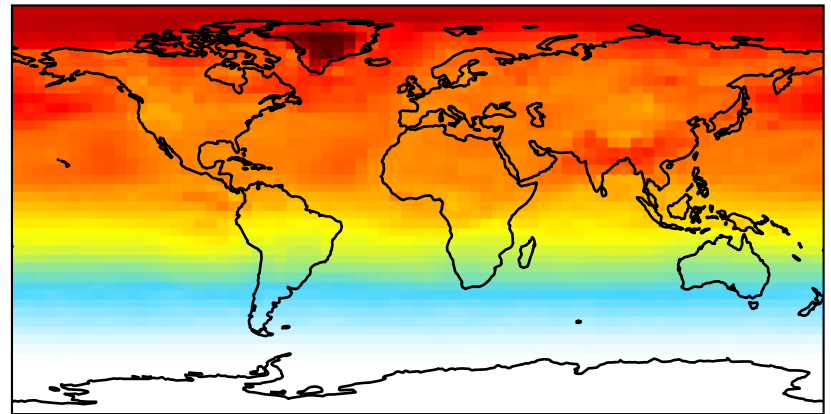


# Jval\_INPB

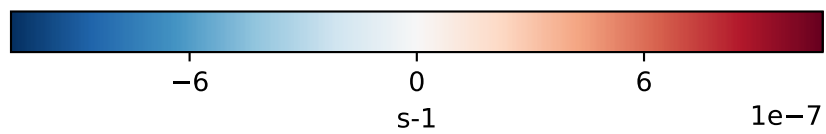
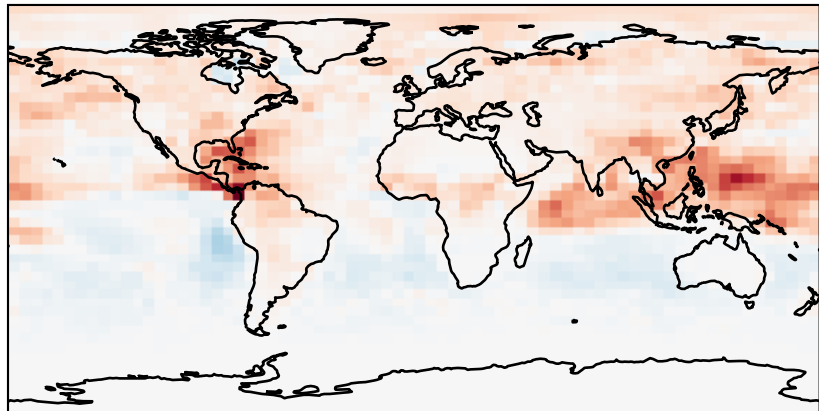
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



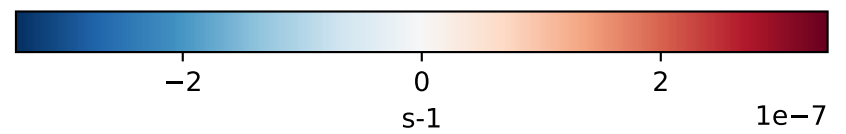
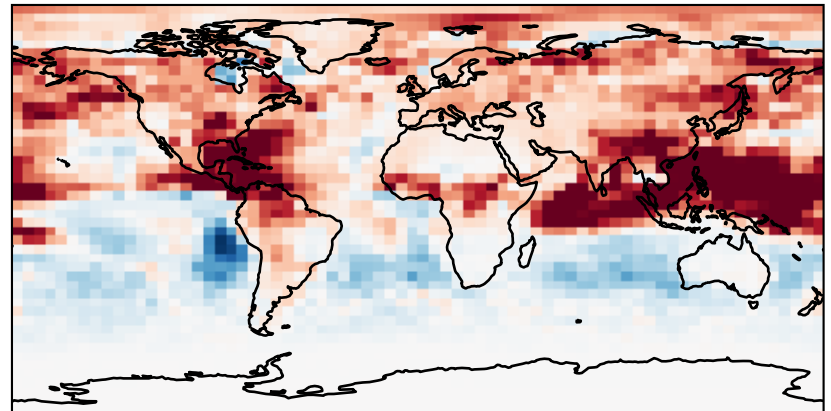
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



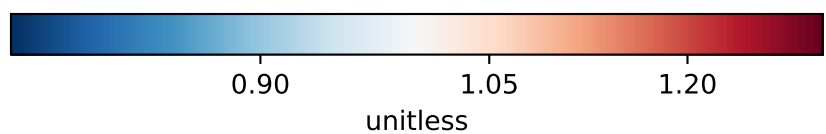
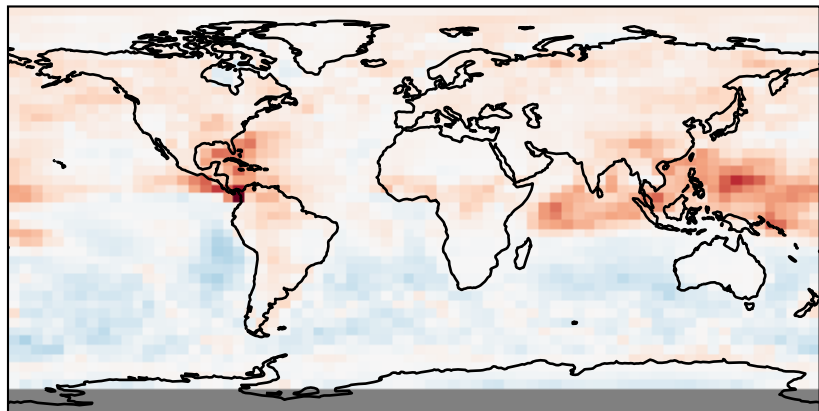
Difference  
Dev - Ref, Dynamic Range



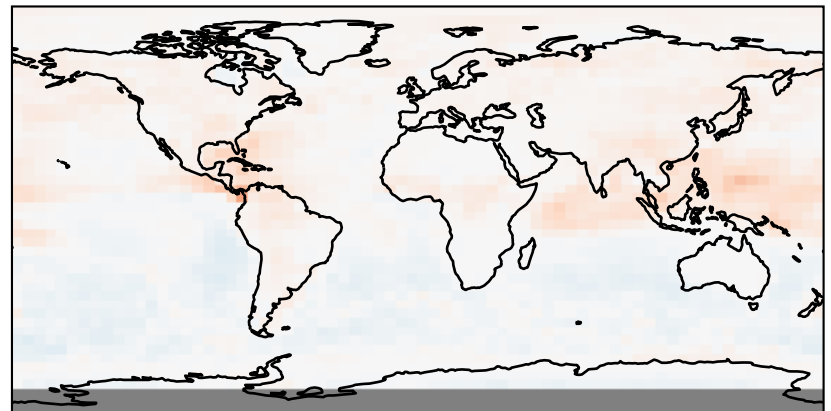
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

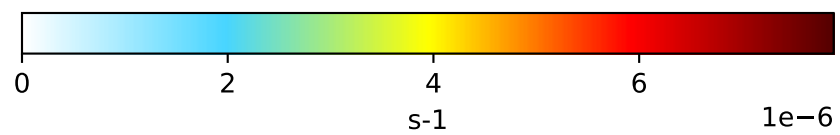
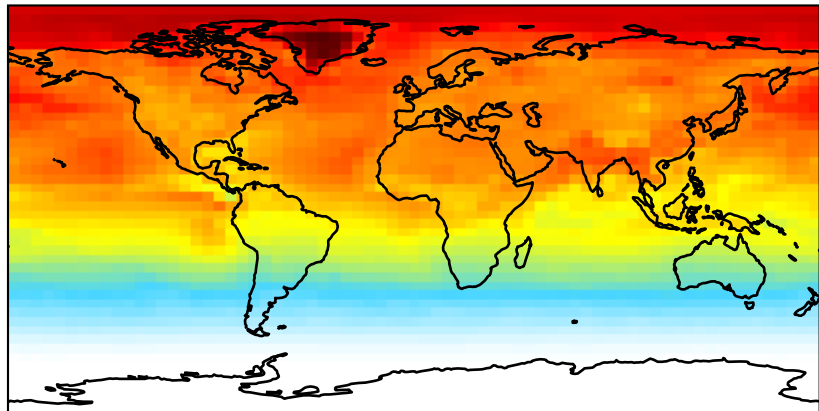


Ratio  
Dev/Ref, Fixed Range

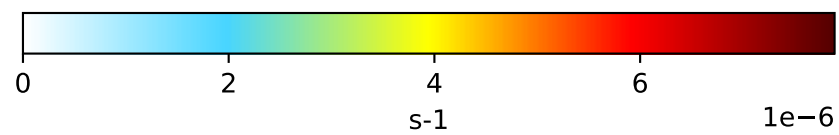
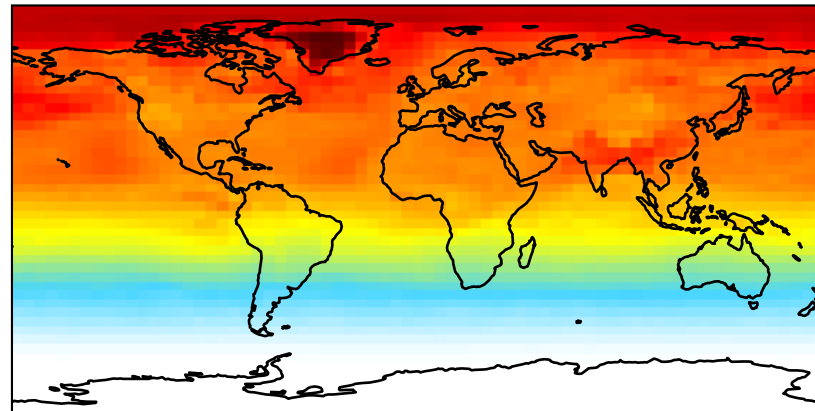


# Jval\_INPD

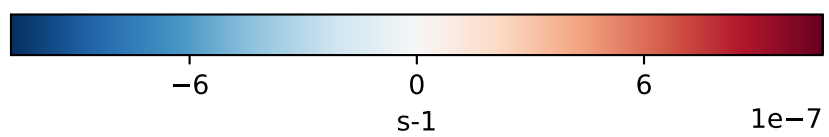
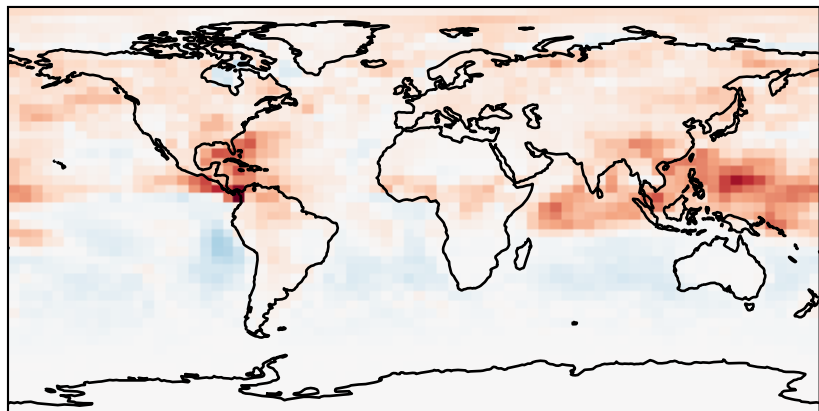
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



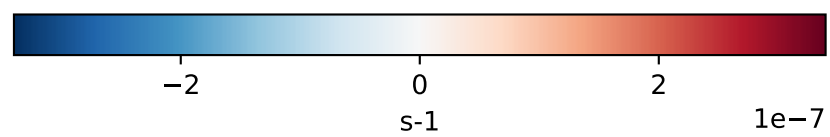
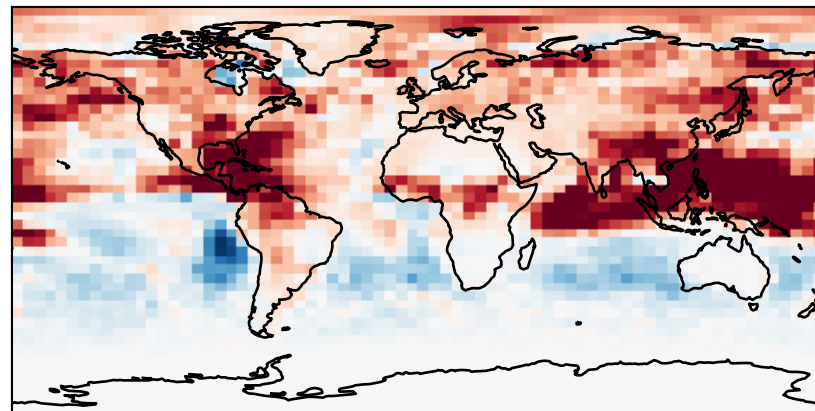
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



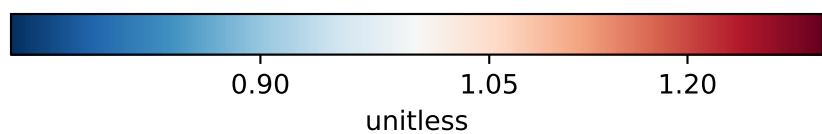
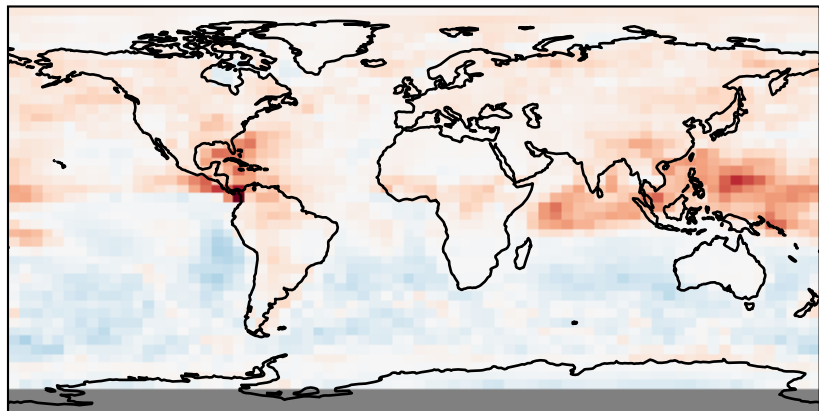
Difference  
Dev - Ref, Dynamic Range



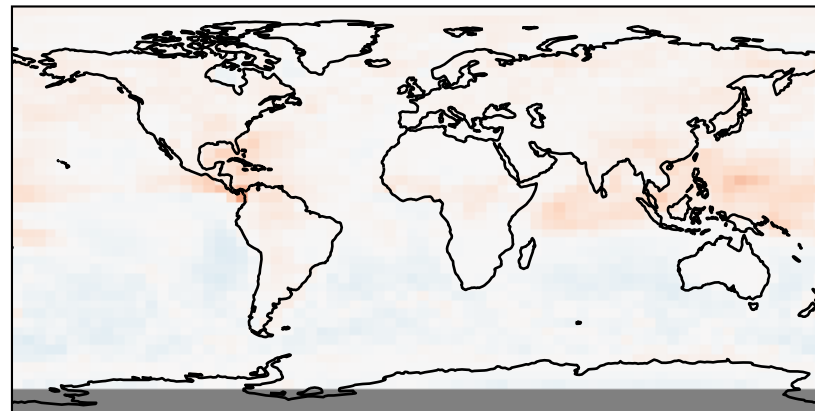
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

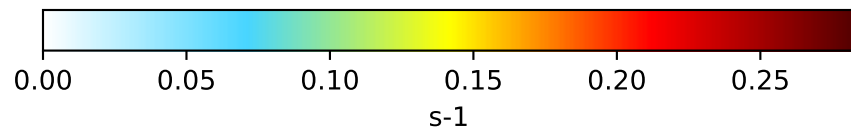
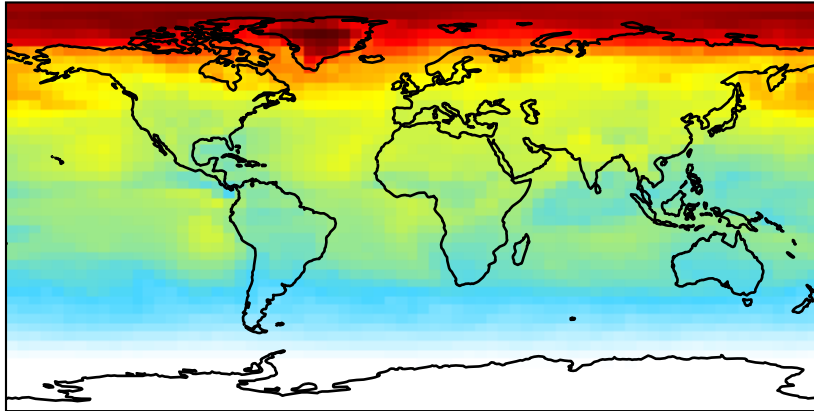


Ratio  
Dev/Ref, Fixed Range

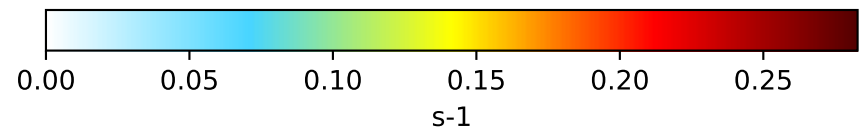
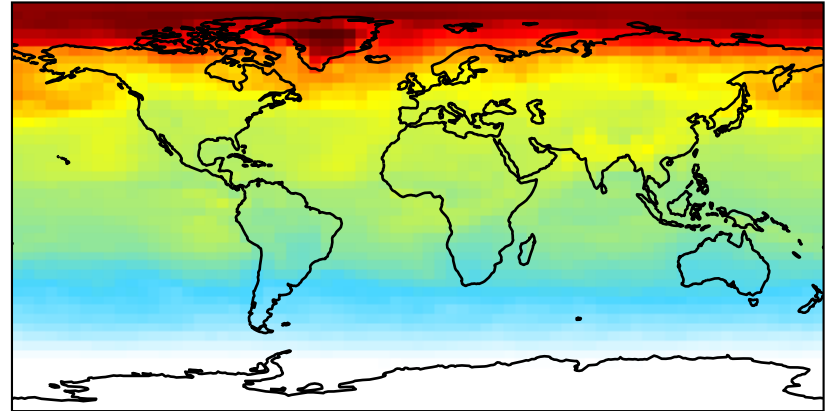


# Jval\_IO

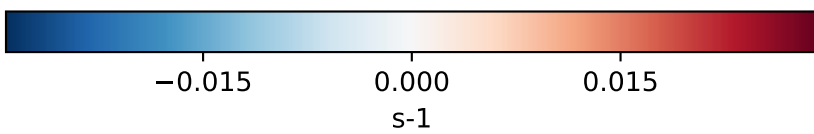
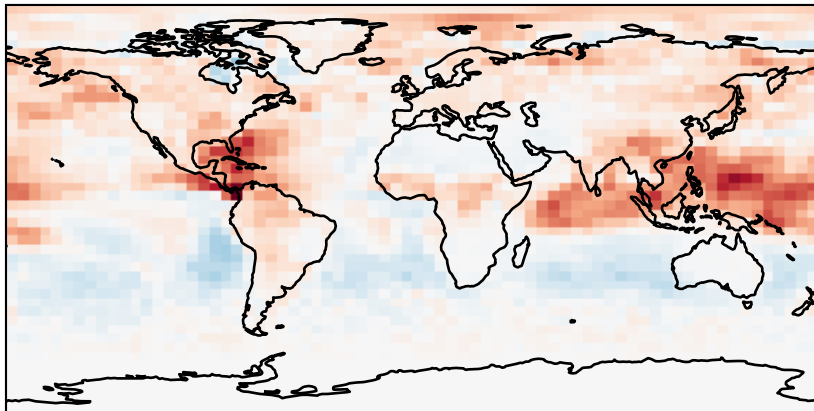
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



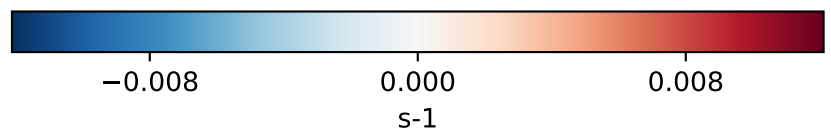
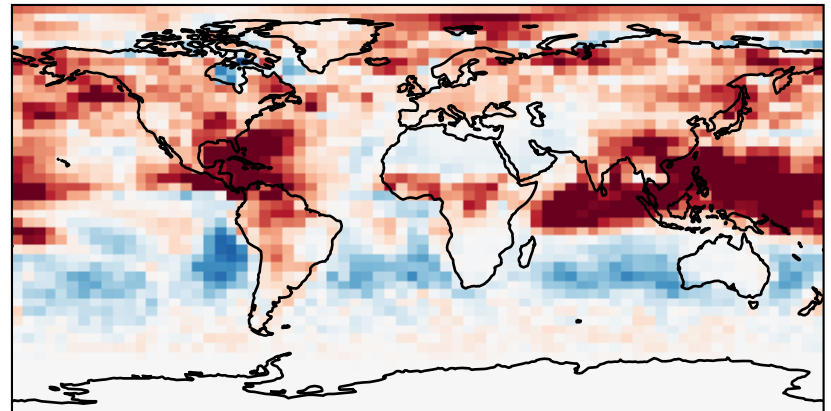
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



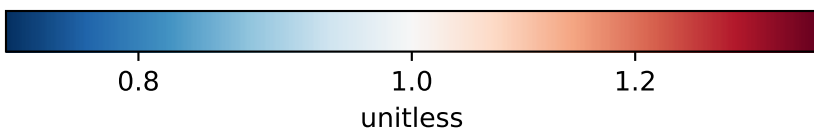
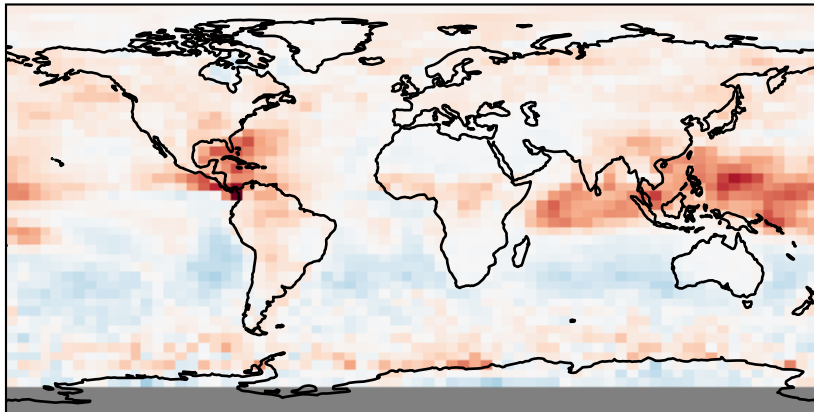
Difference  
Dev - Ref, Dynamic Range



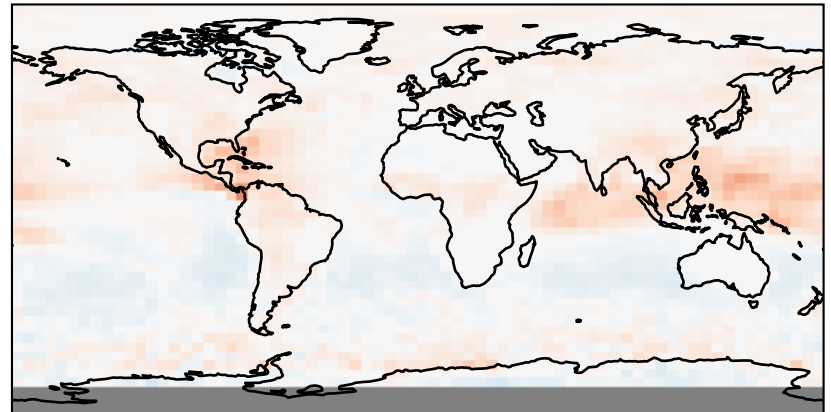
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

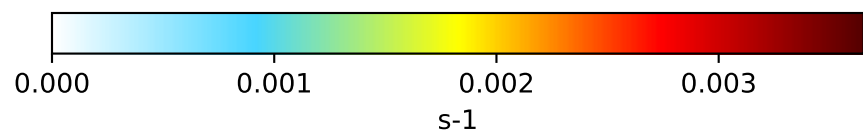
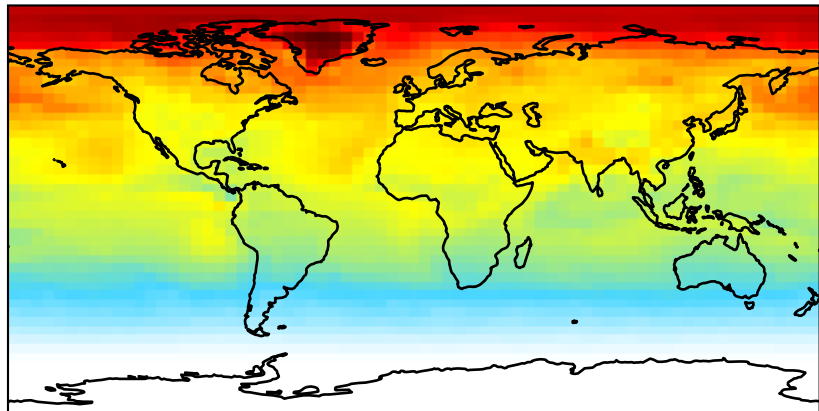


Ratio  
Dev/Ref, Fixed Range

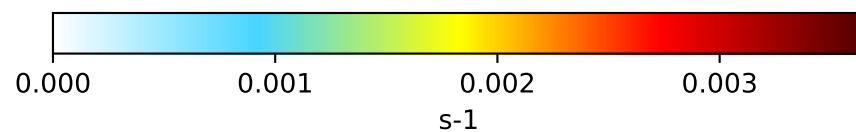
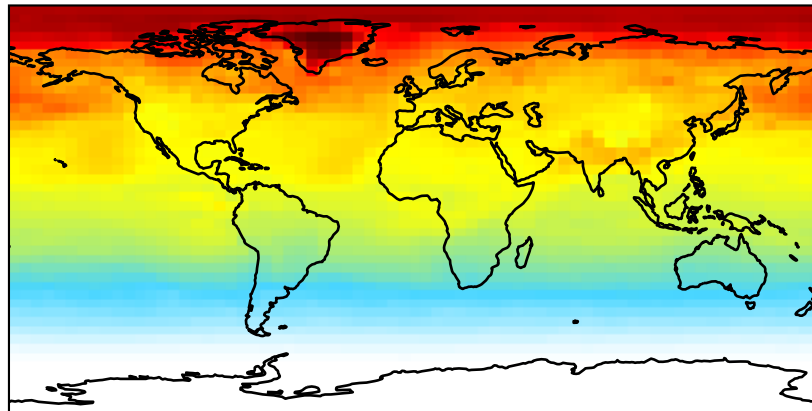


# Jval\_IONO

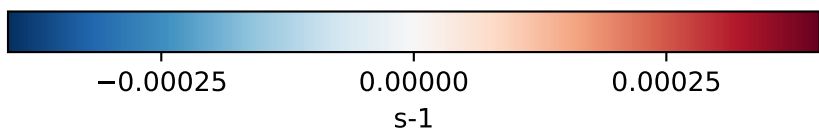
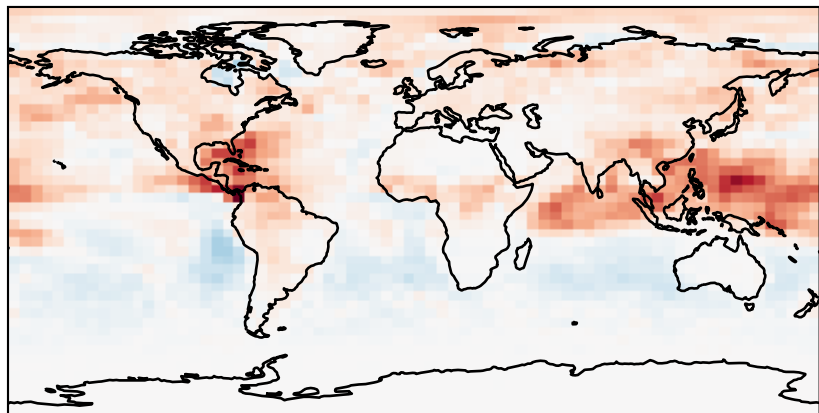
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



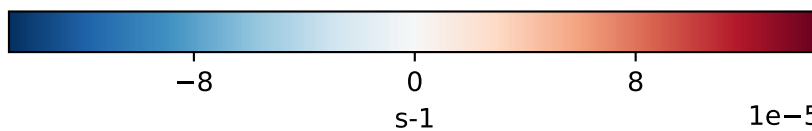
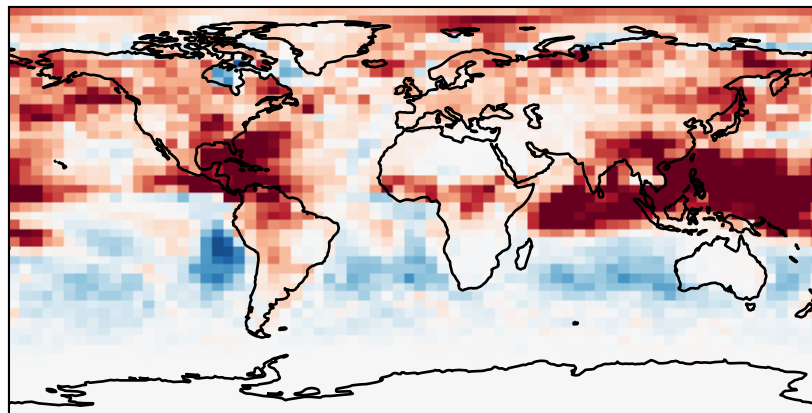
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



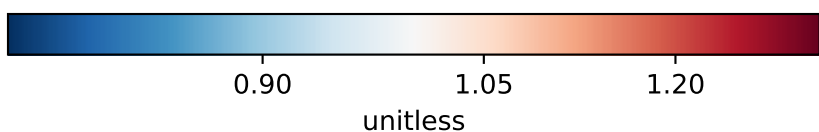
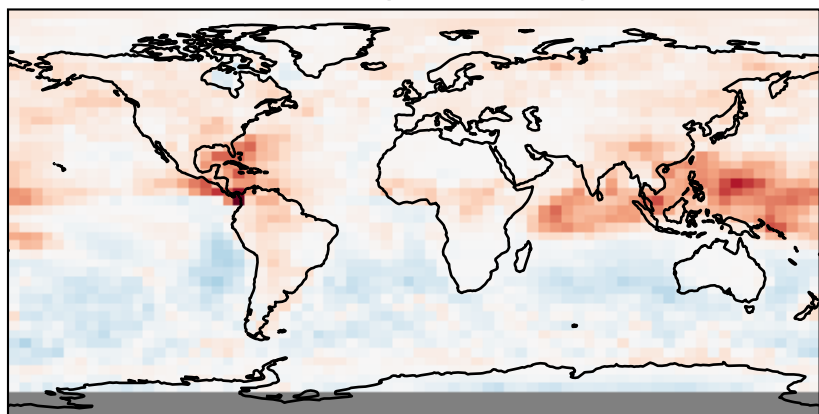
Difference  
Dev - Ref, Dynamic Range



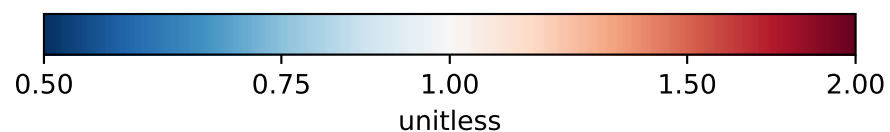
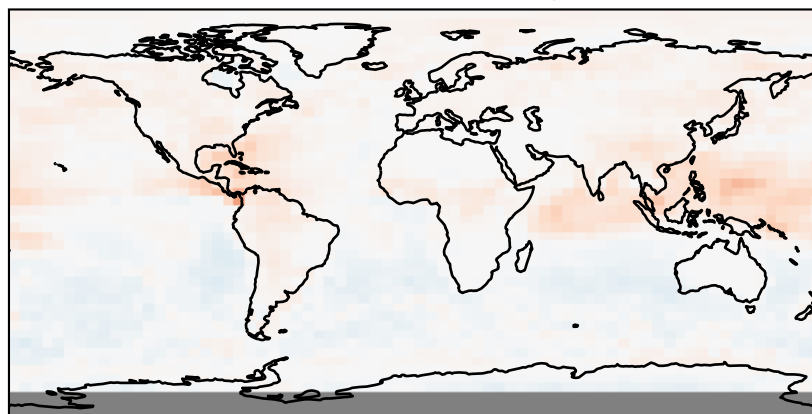
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

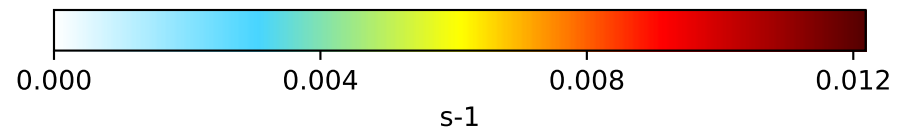
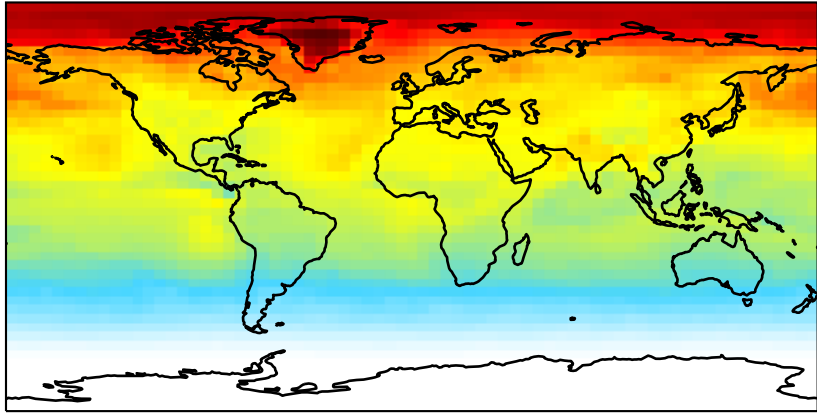


Ratio  
Dev/Ref, Fixed Range

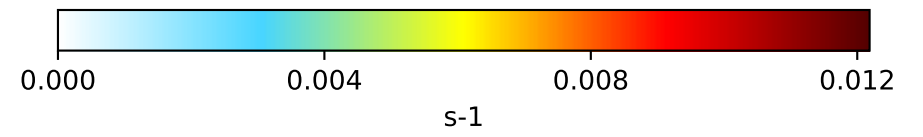
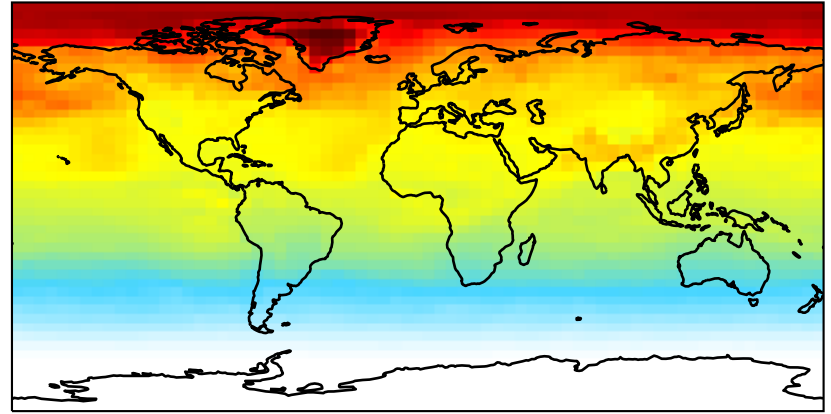


# Jval\_IONO2

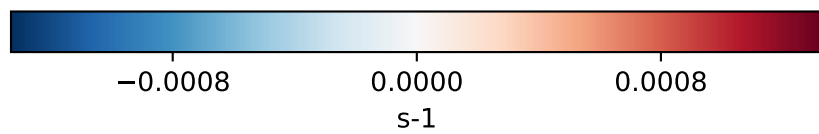
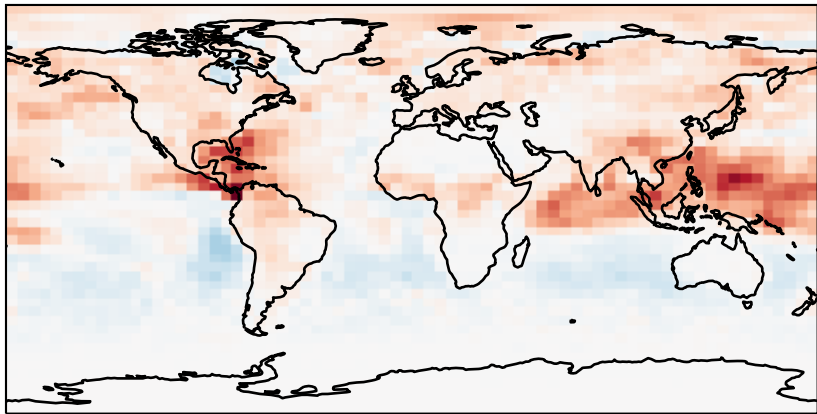
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



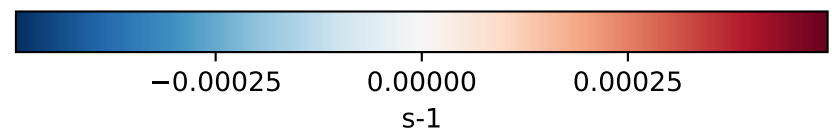
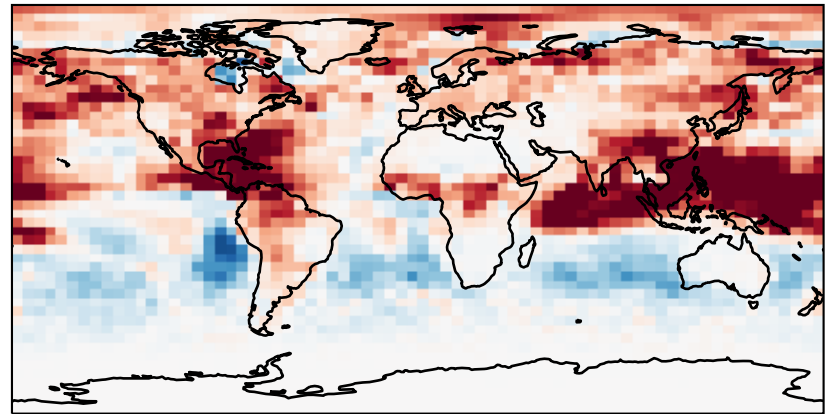
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



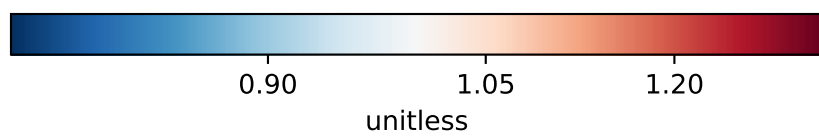
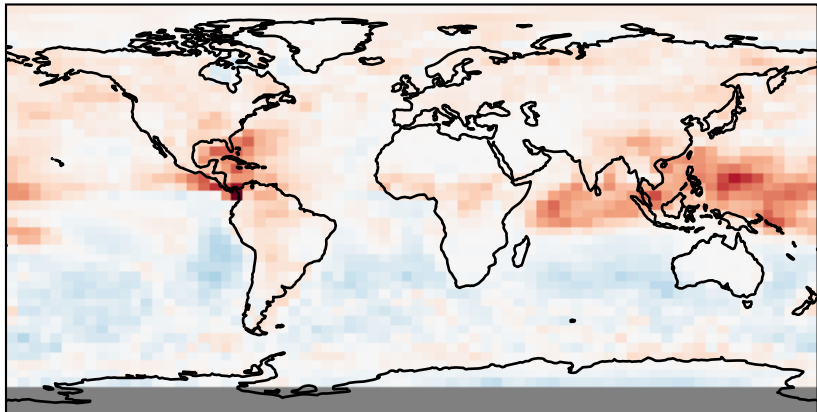
Difference  
Dev - Ref, Dynamic Range



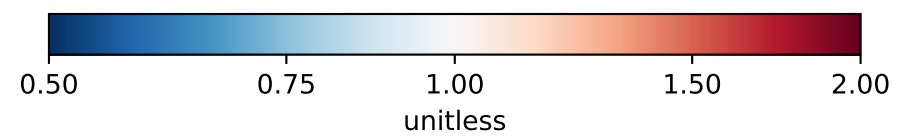
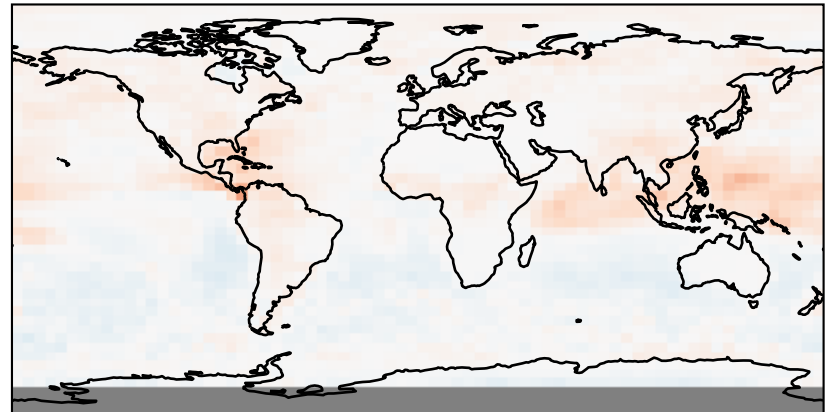
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



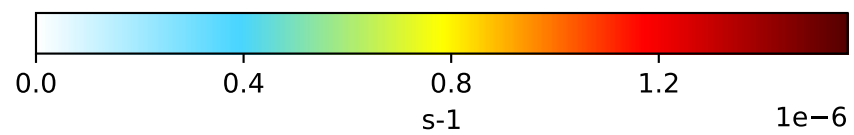
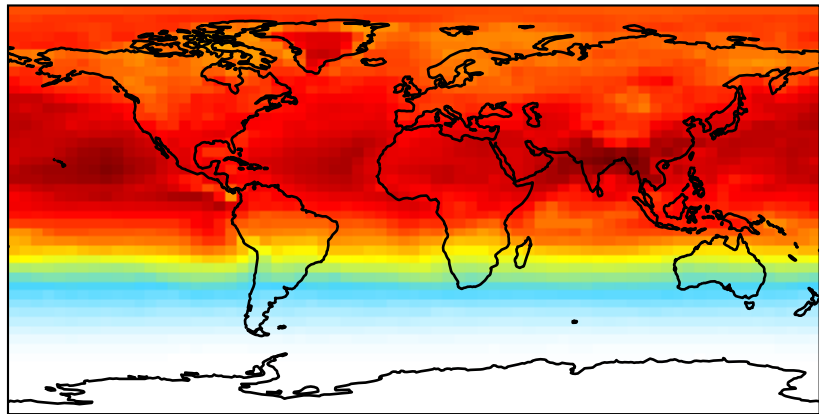
Ratio  
Dev/Ref, Fixed Range



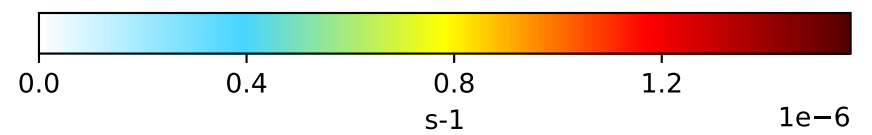
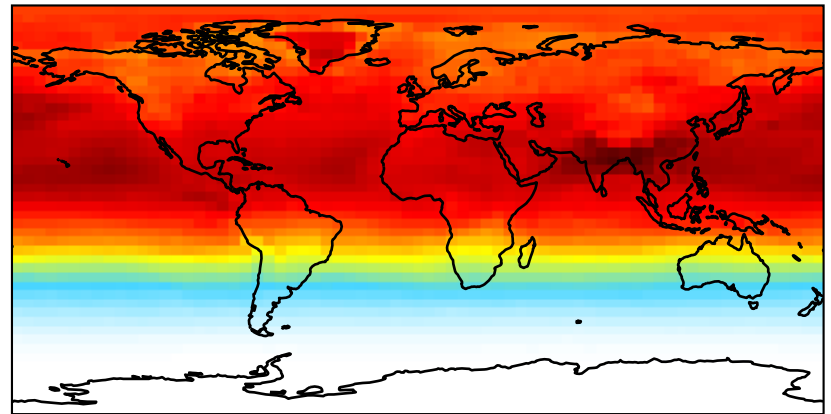


# Jval\_IPRNO3

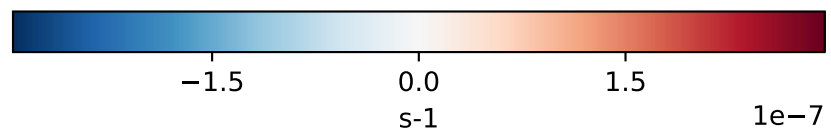
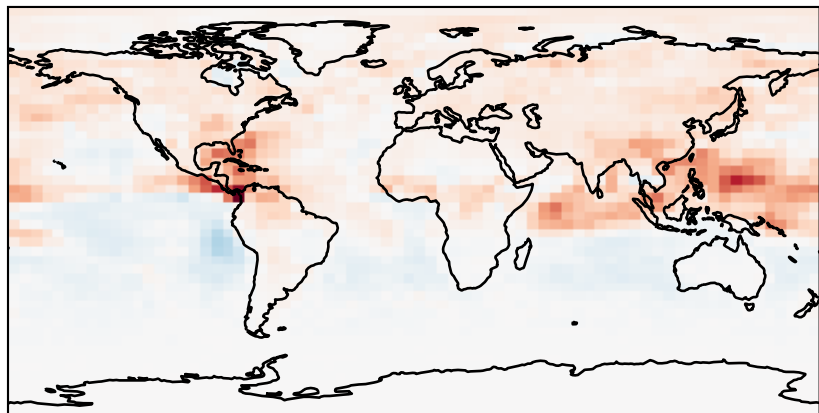
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



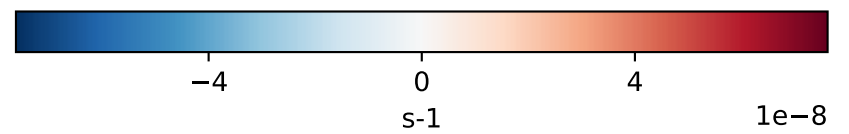
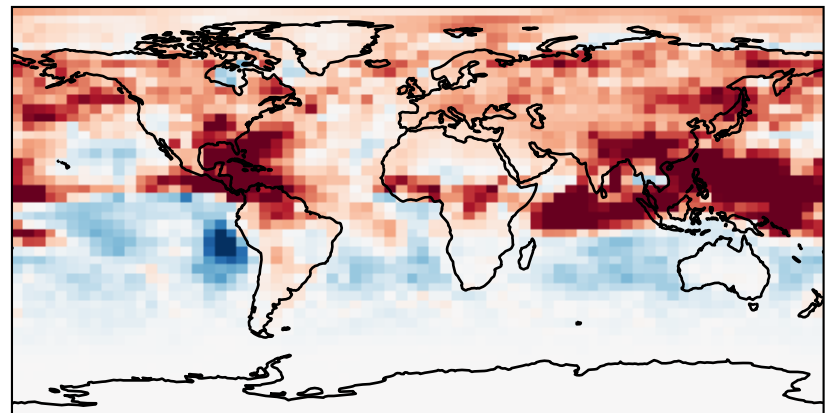
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



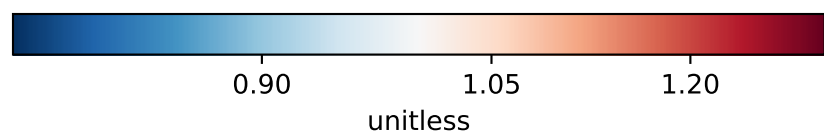
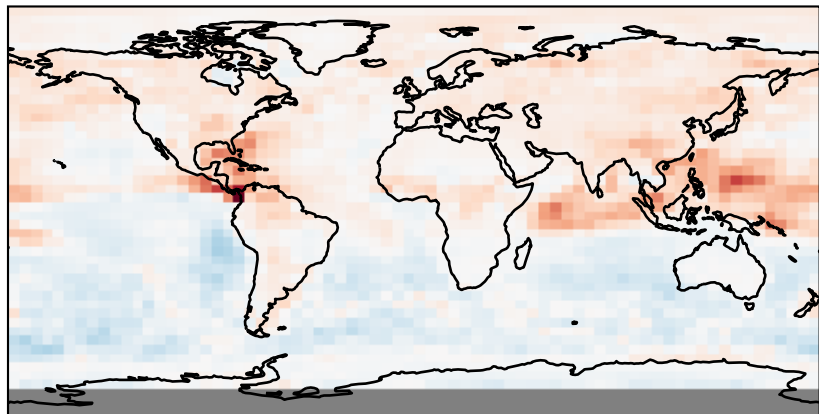
Difference  
Dev - Ref, Dynamic Range



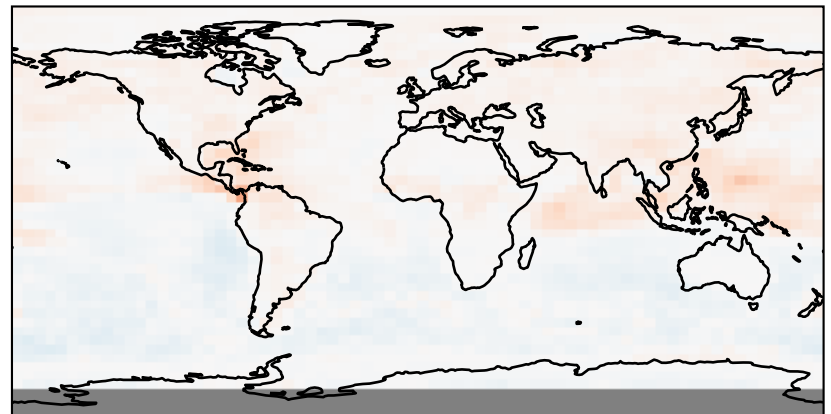
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

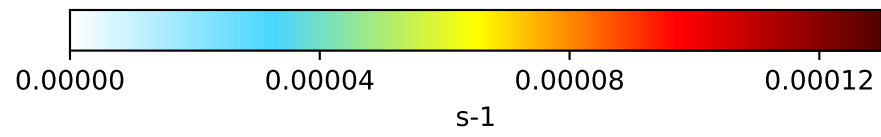
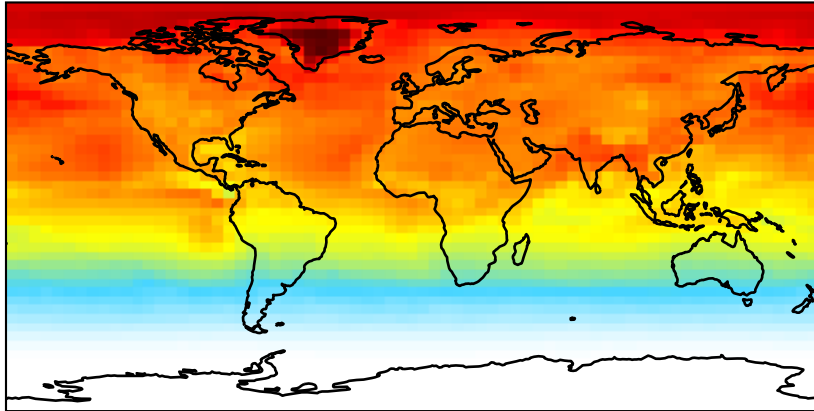


Ratio  
Dev/Ref, Fixed Range

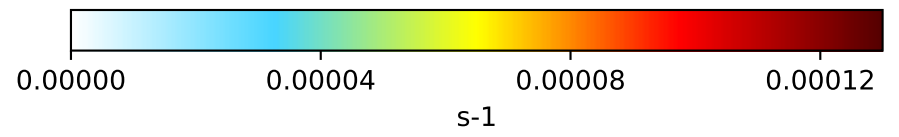
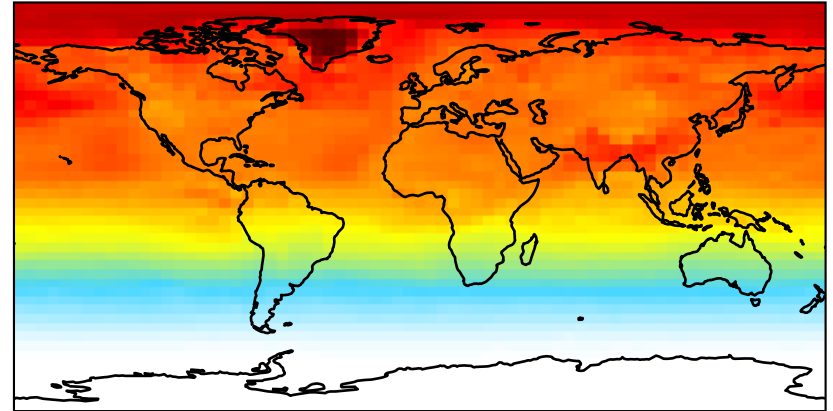


# Jval\_ITCN

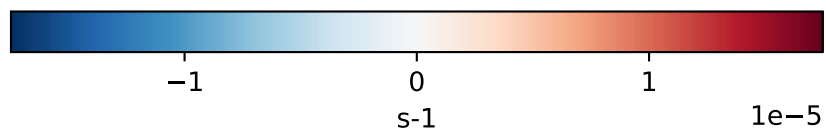
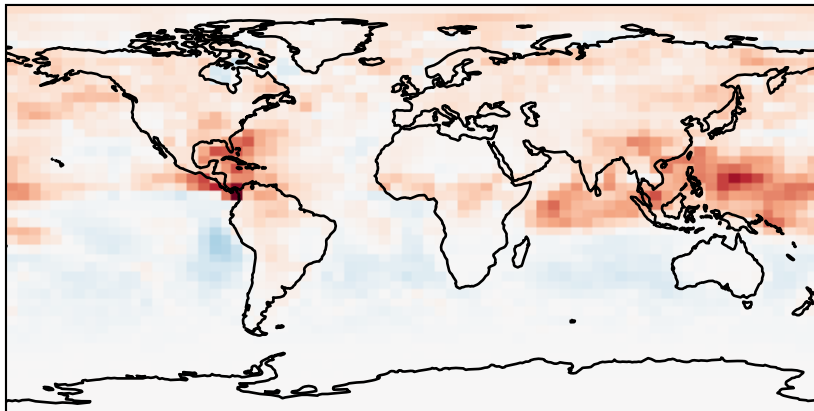
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



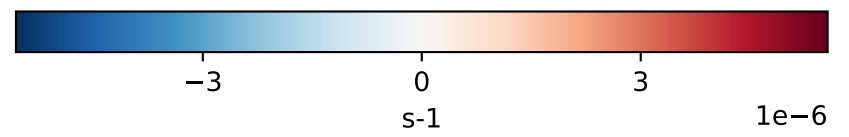
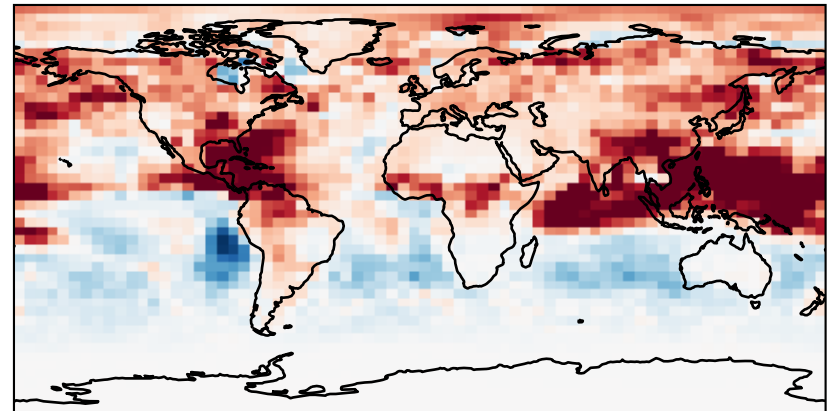
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



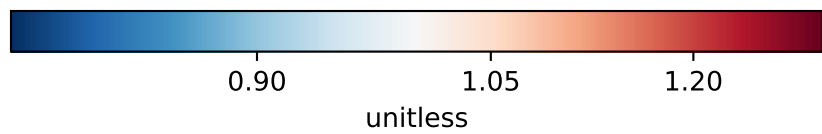
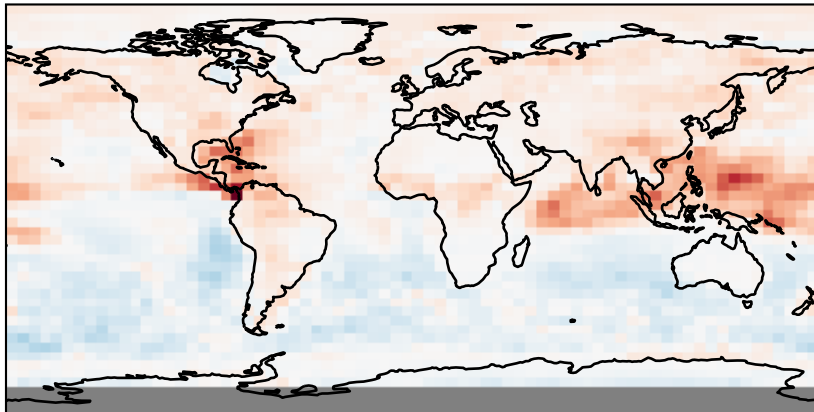
Difference  
Dev - Ref, Dynamic Range



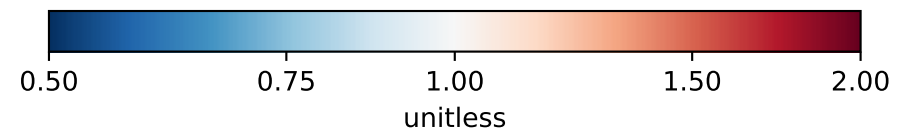
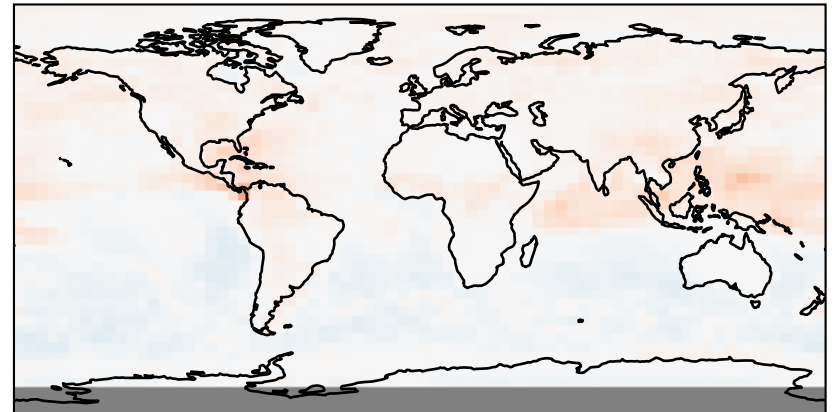
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

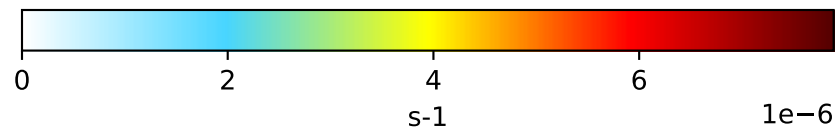
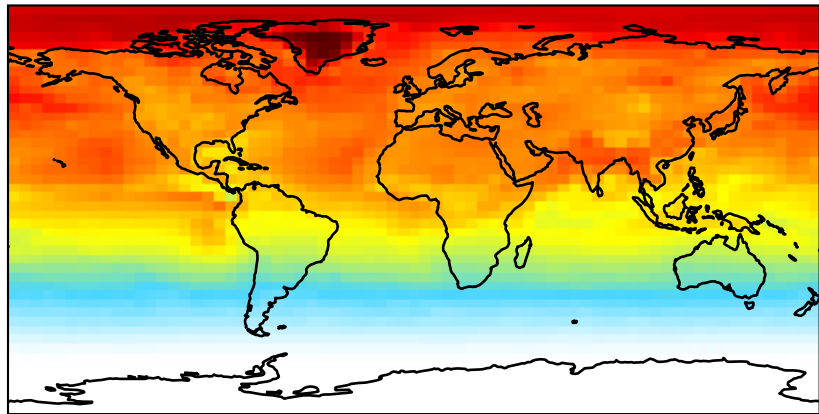


Ratio  
Dev/Ref, Fixed Range

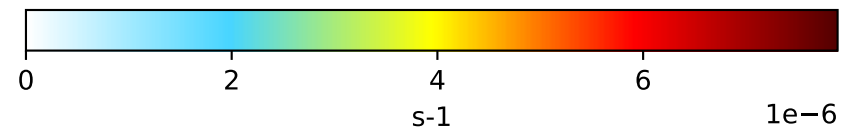
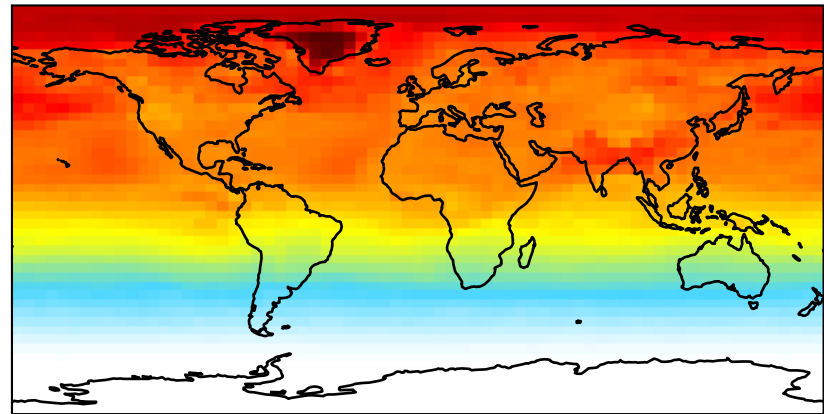


# Jval\_ITHN

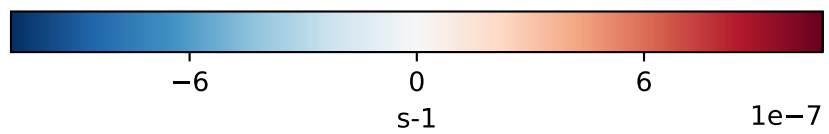
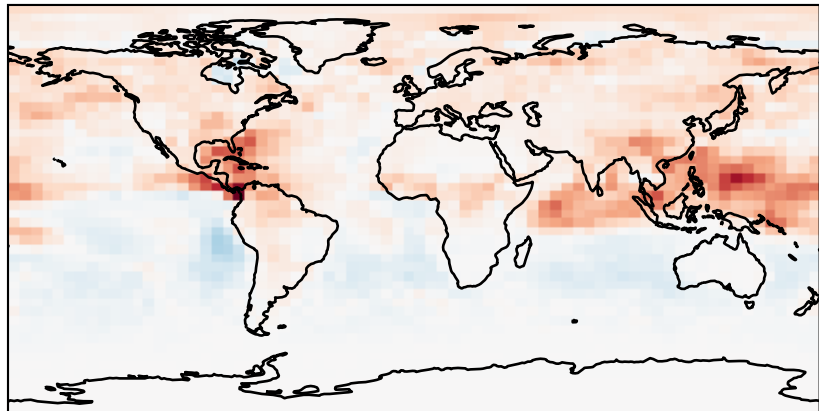
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



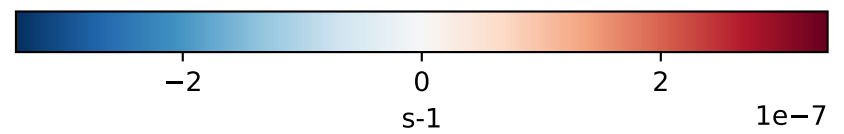
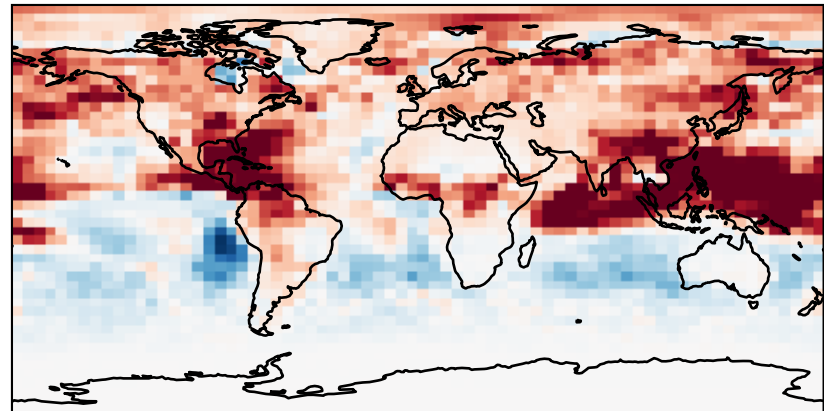
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



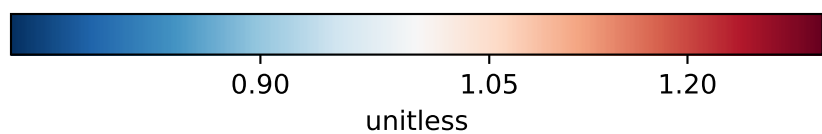
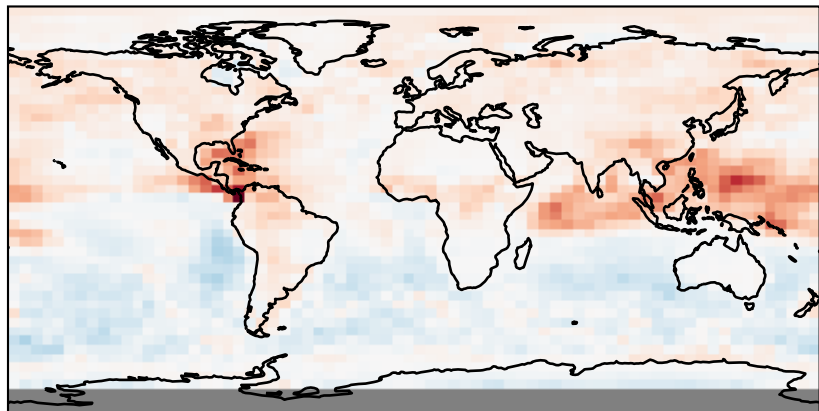
Difference  
Dev - Ref, Dynamic Range



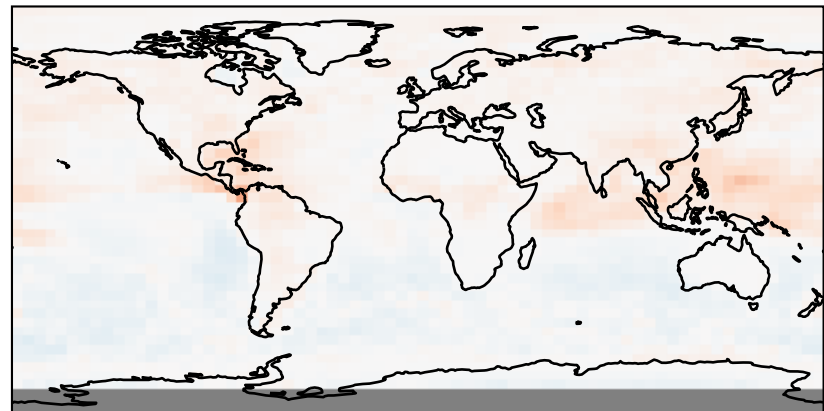
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

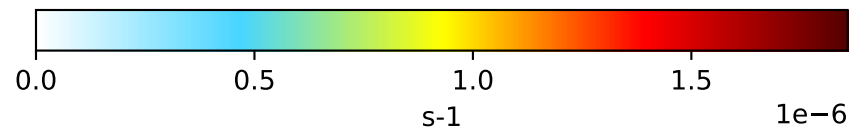
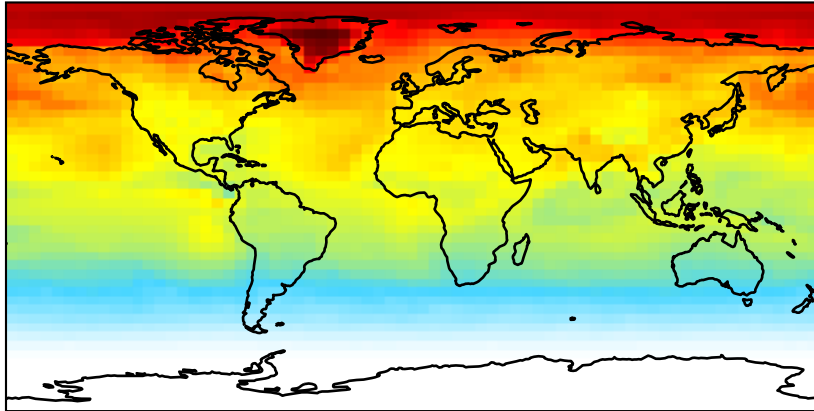


Ratio  
Dev/Ref, Fixed Range

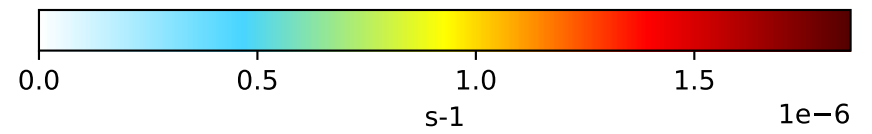
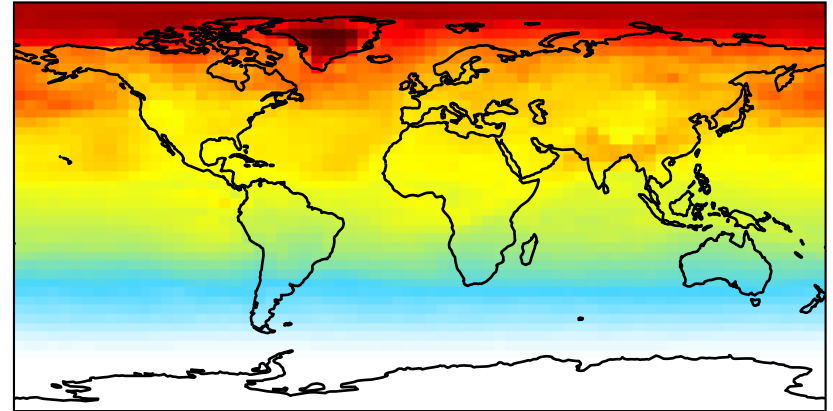


# Jval\_MACR

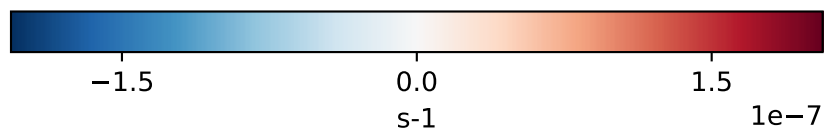
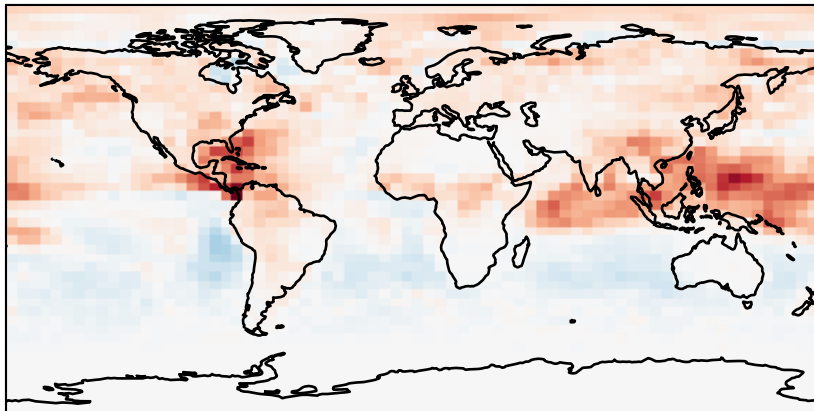
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



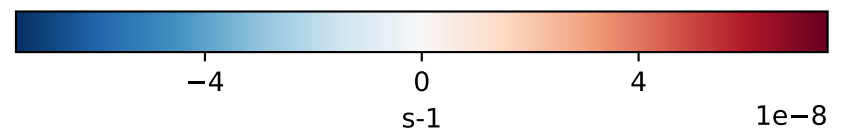
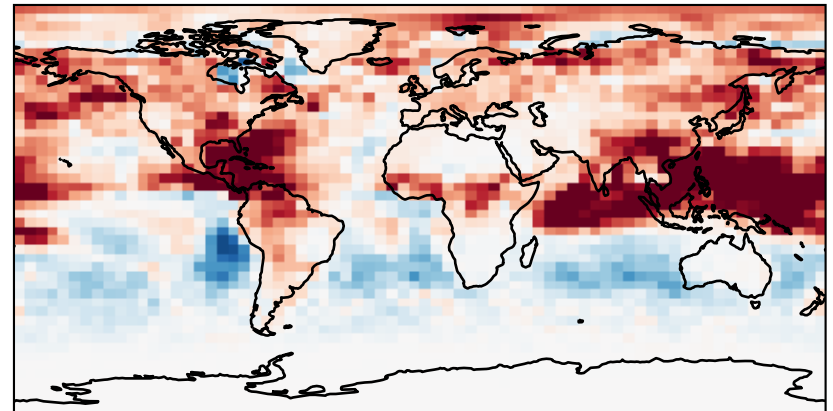
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



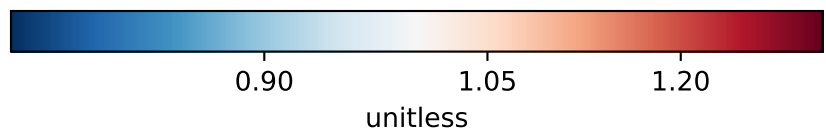
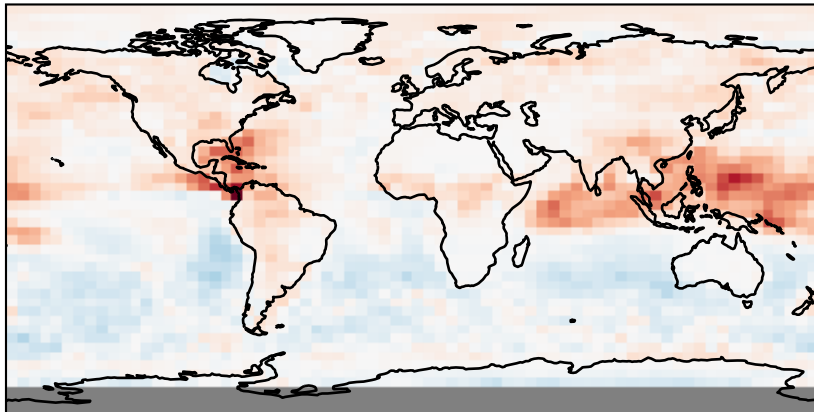
Difference  
Dev - Ref, Dynamic Range



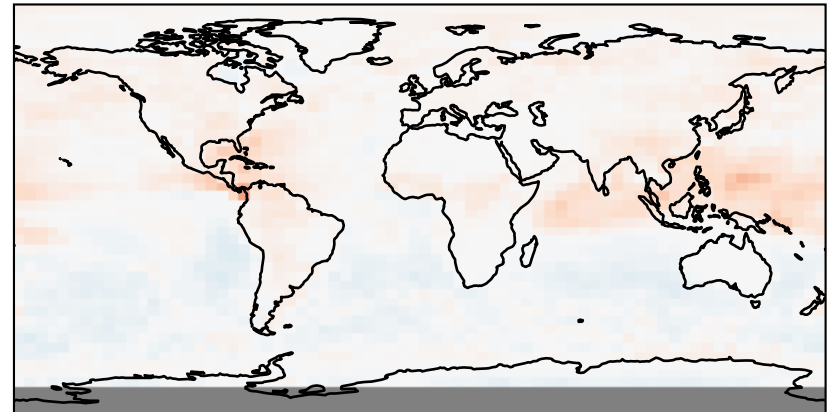
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

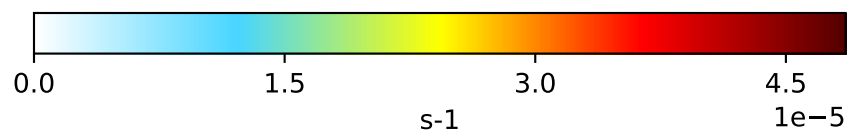
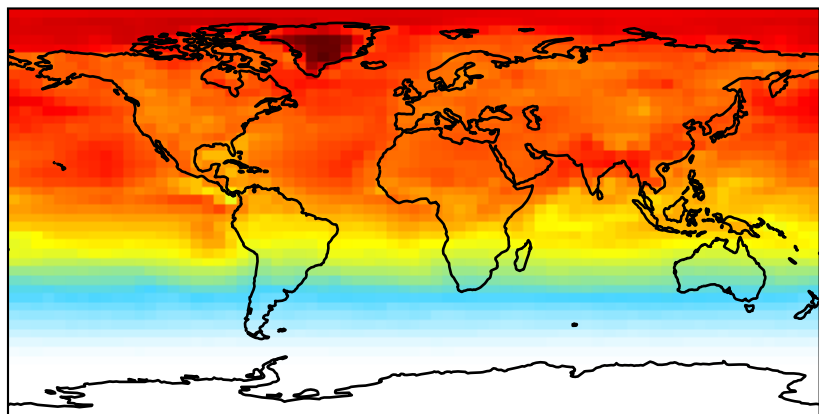


Ratio  
Dev/Ref, Fixed Range

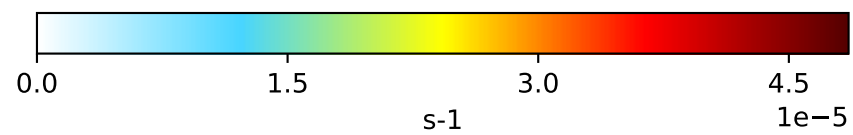
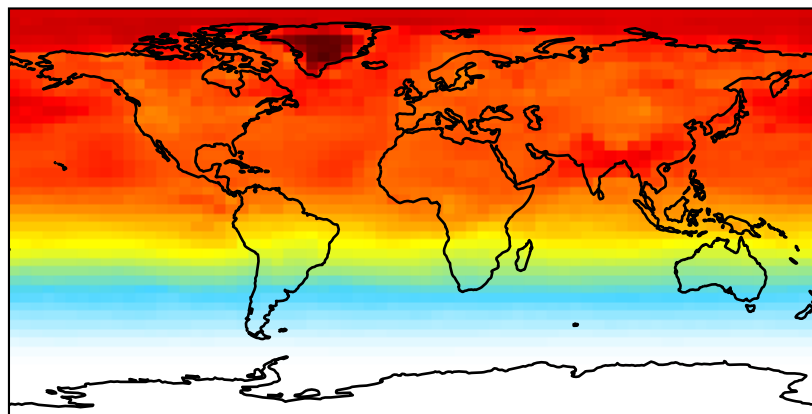


# Jval\_MACR100H

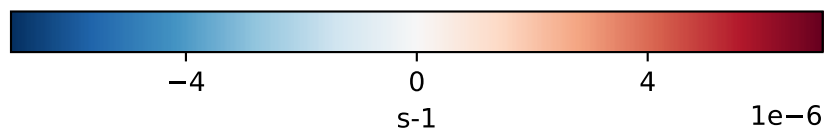
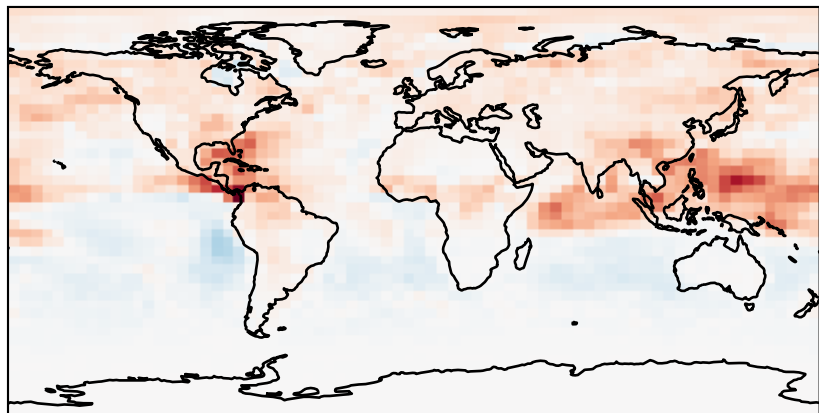
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



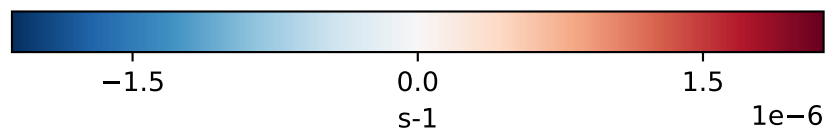
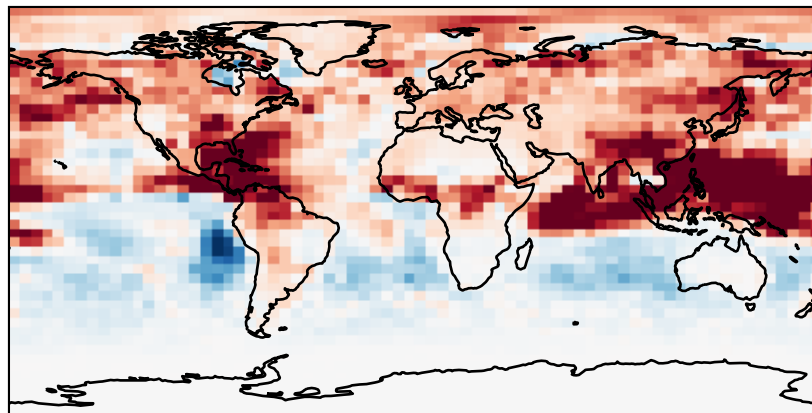
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



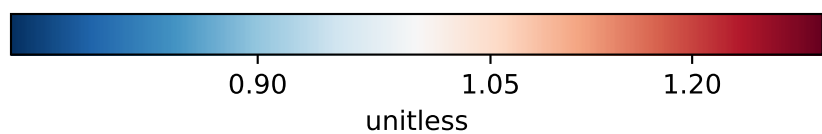
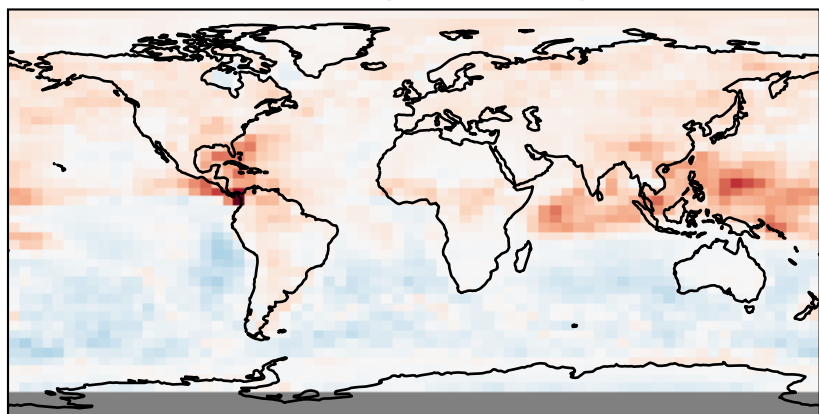
Difference  
Dev - Ref, Dynamic Range



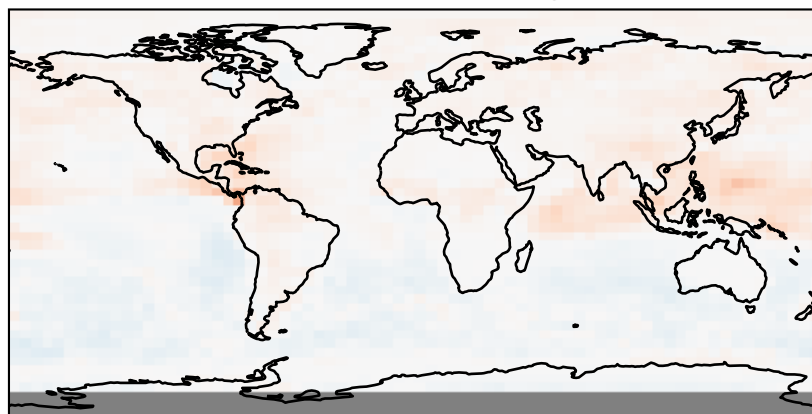
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

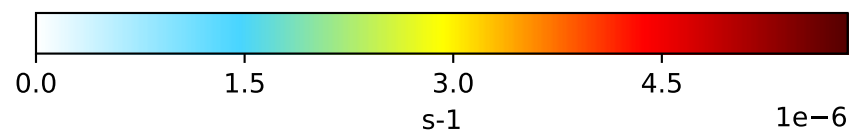
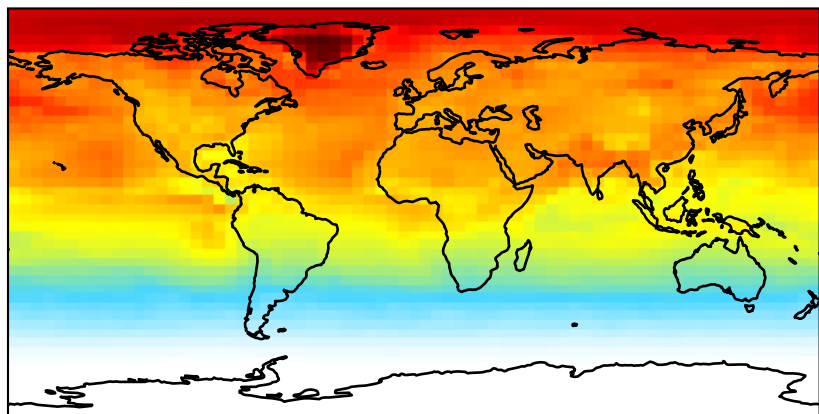


Ratio  
Dev/Ref, Fixed Range

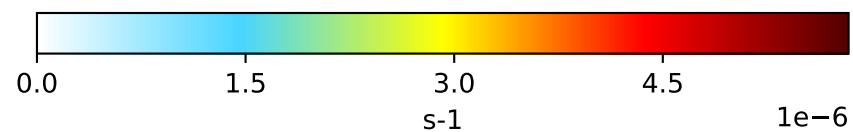
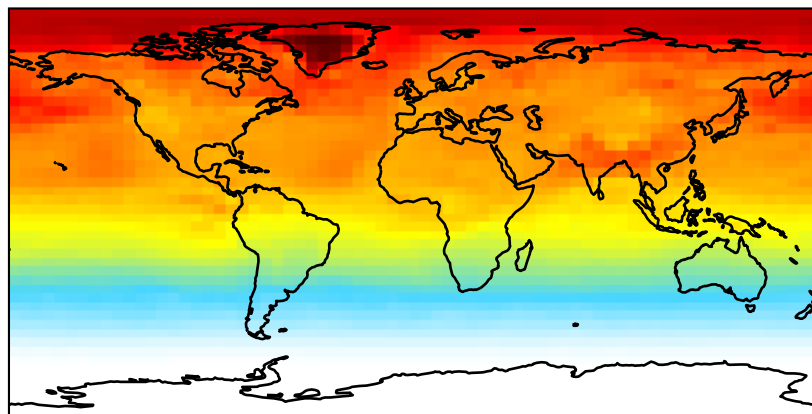


# Jval\_MAP

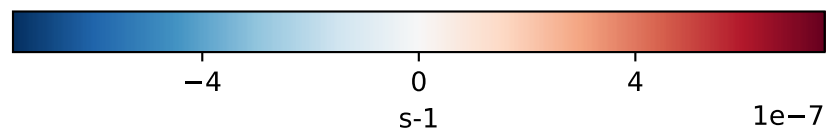
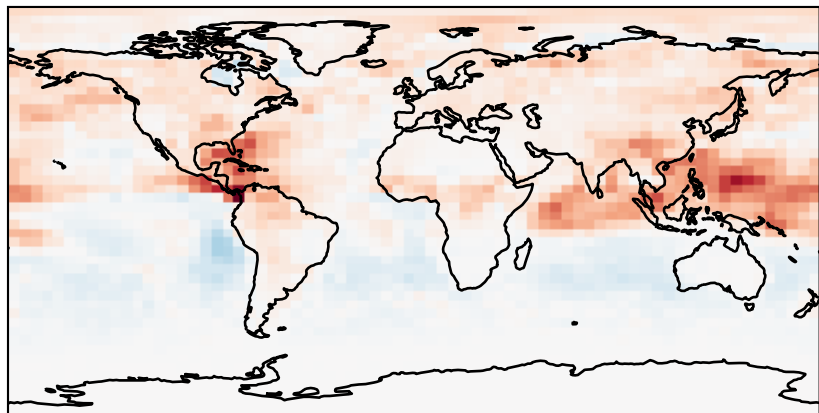
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



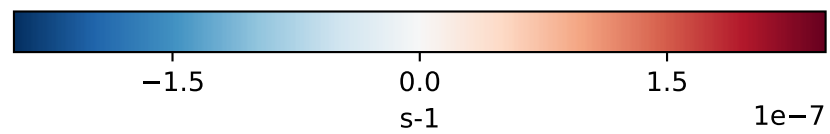
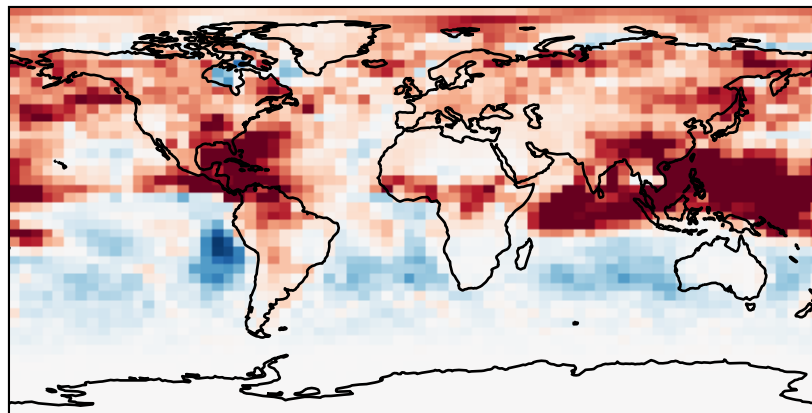
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



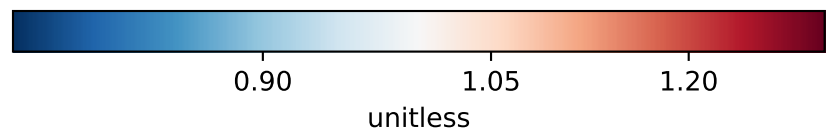
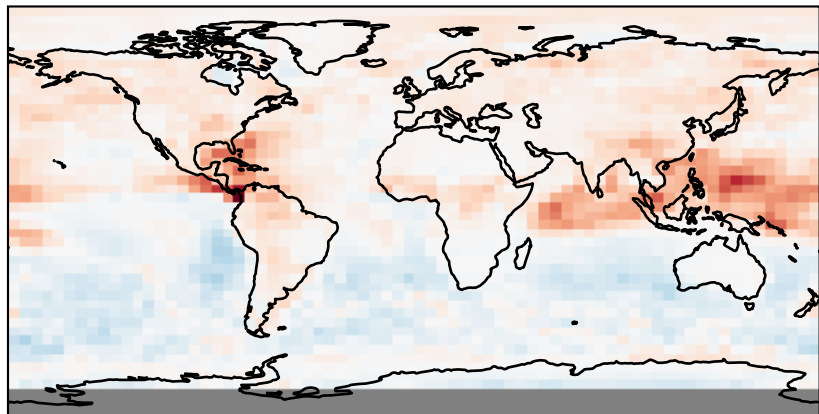
Difference  
Dev - Ref, Dynamic Range



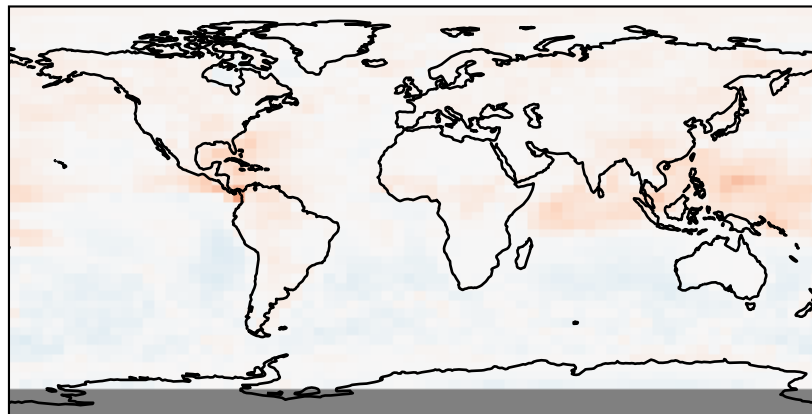
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

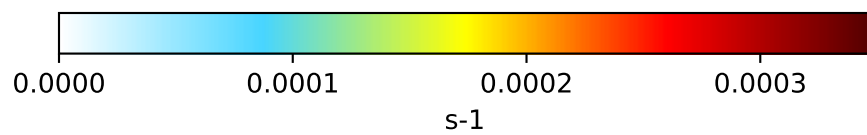
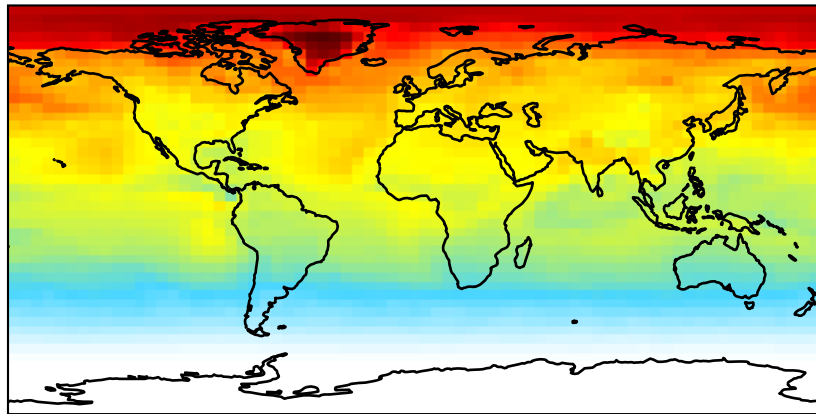


Ratio  
Dev/Ref, Fixed Range

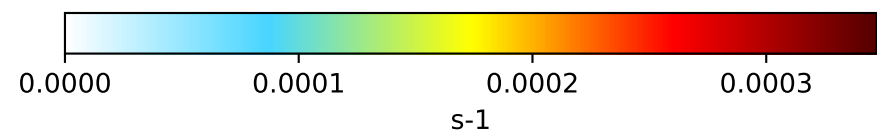
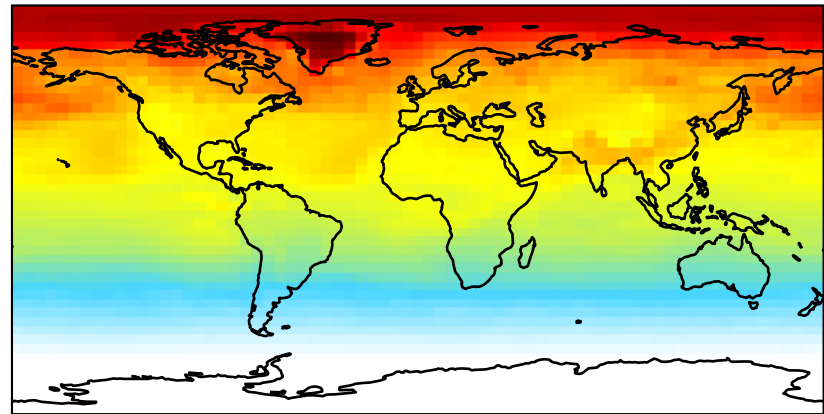


# Jval\_MCRENOL

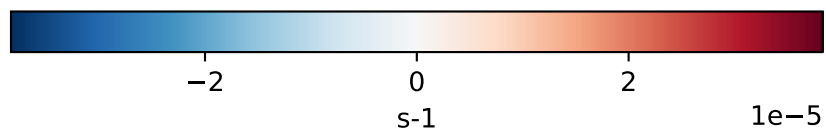
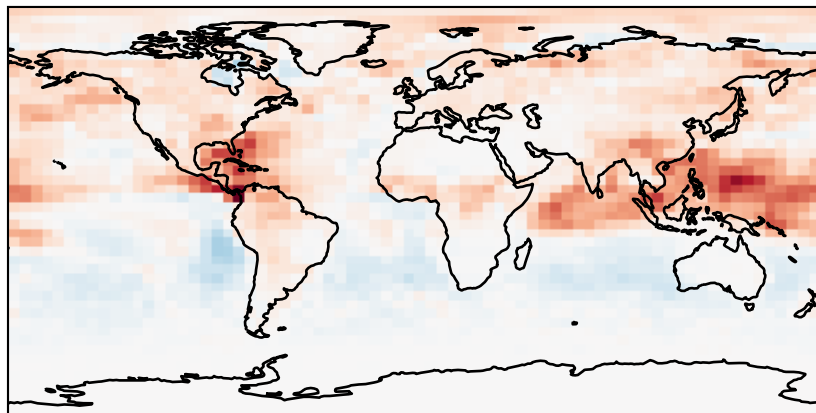
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



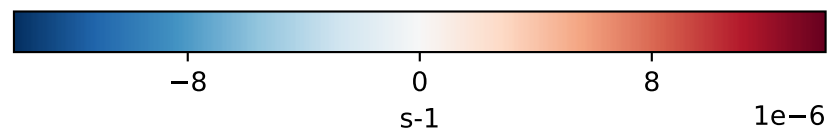
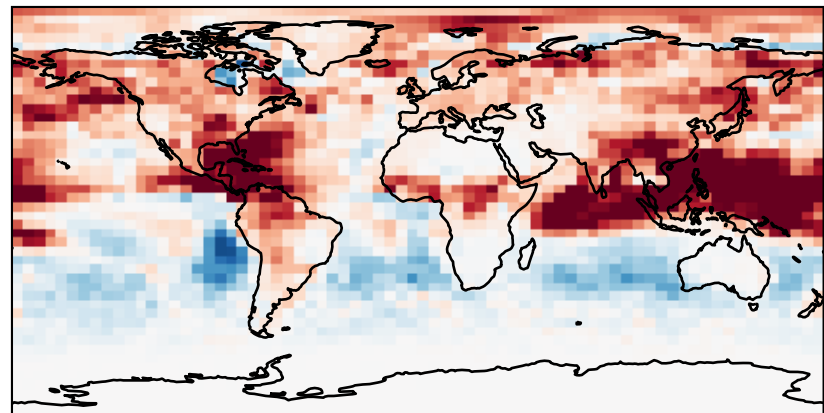
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



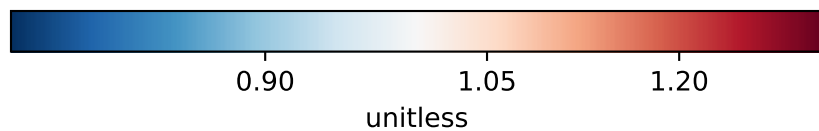
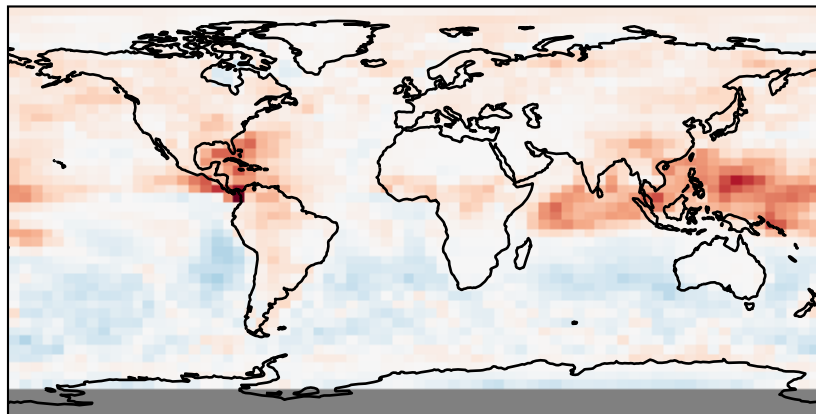
Difference  
Dev - Ref, Dynamic Range



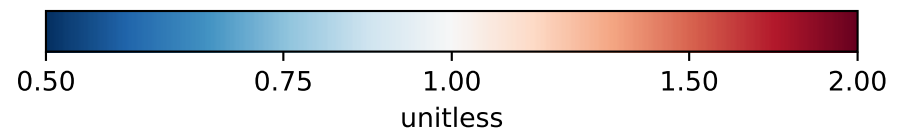
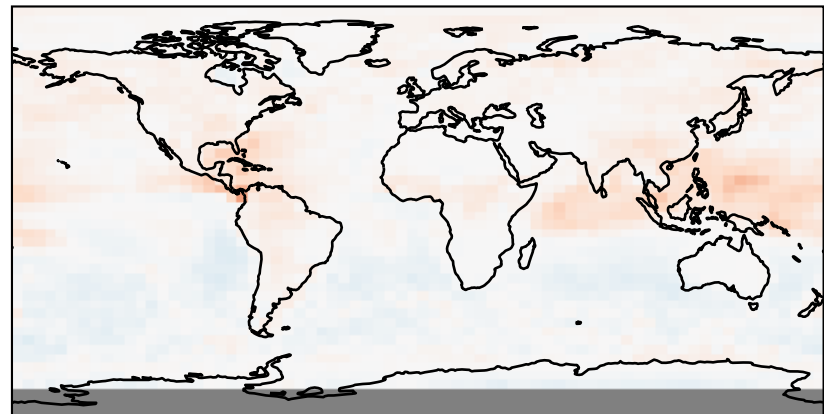
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

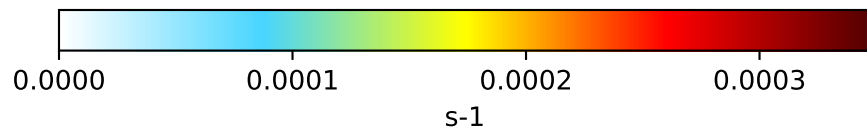
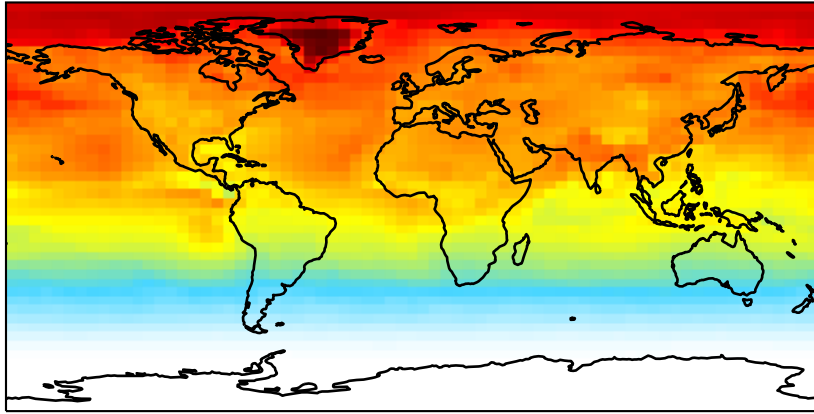


Ratio  
Dev/Ref, Fixed Range

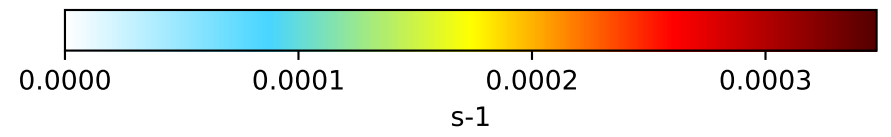
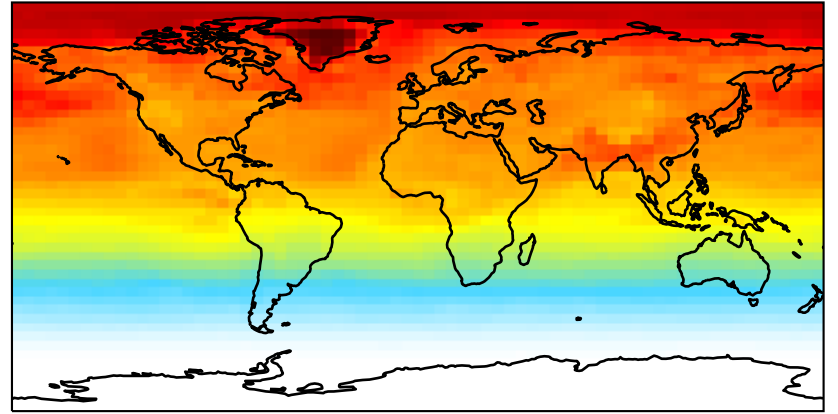


# Jval\_MCRHN

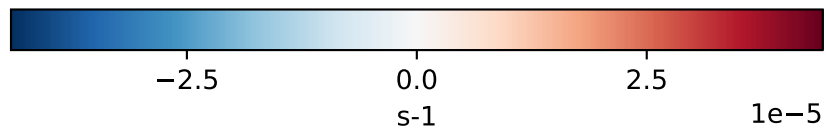
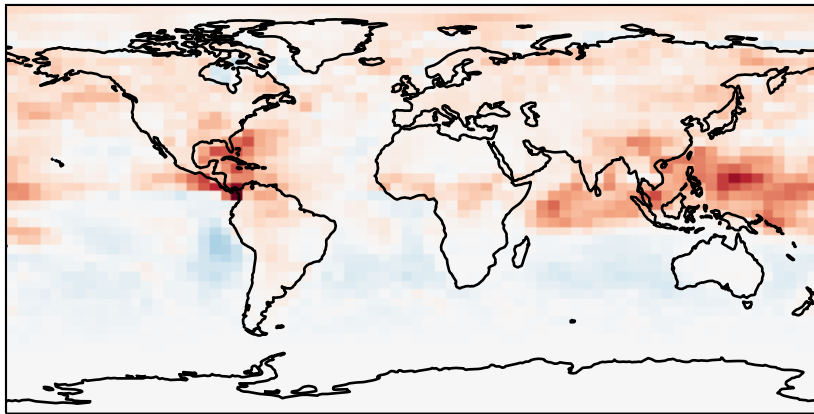
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



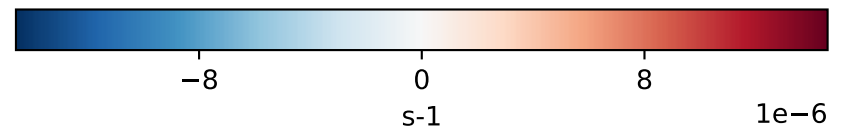
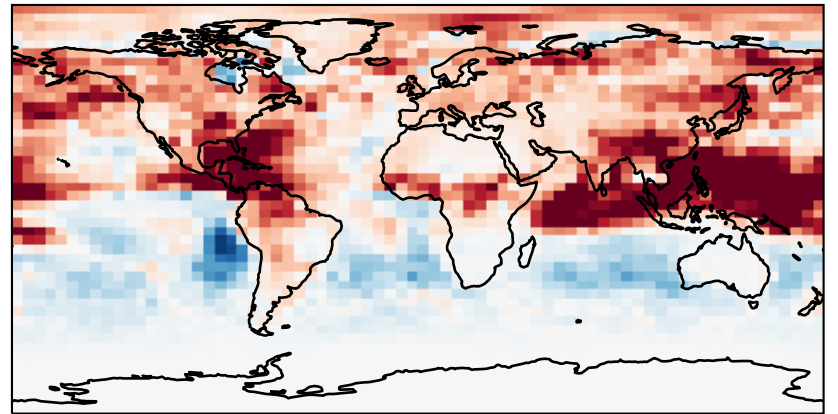
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



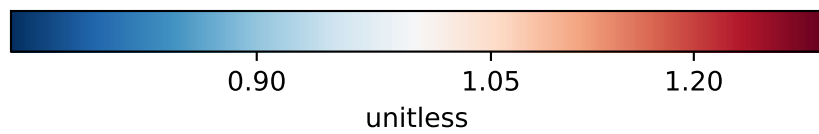
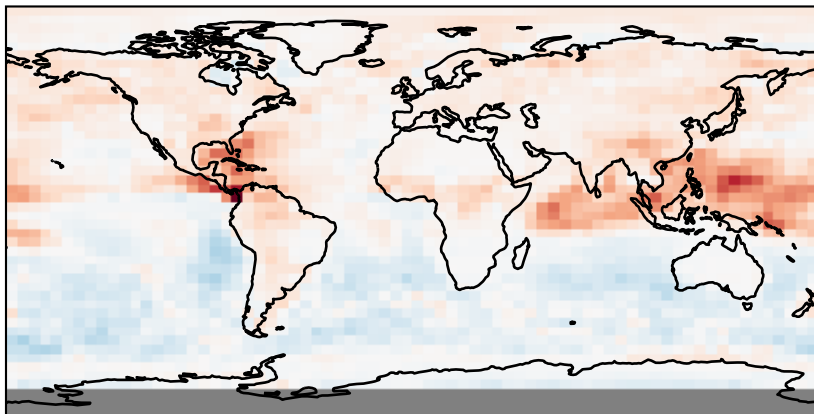
Difference  
Dev - Ref, Dynamic Range



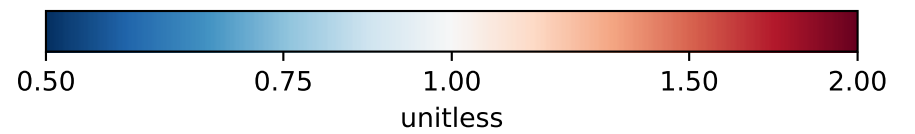
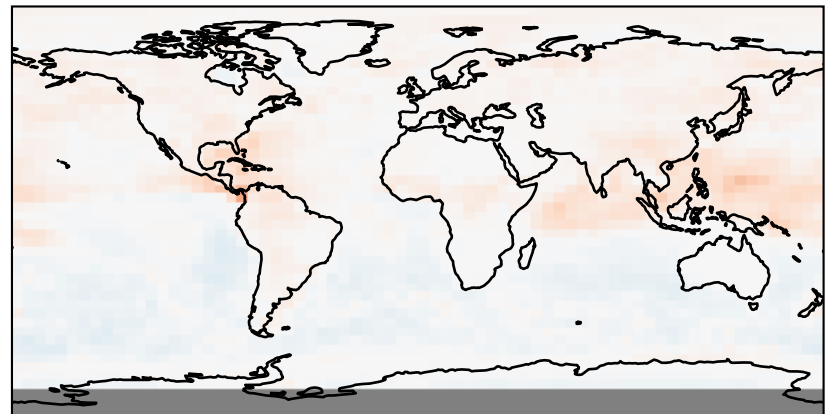
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



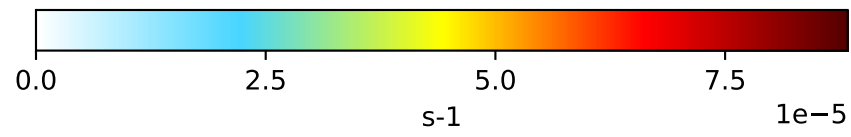
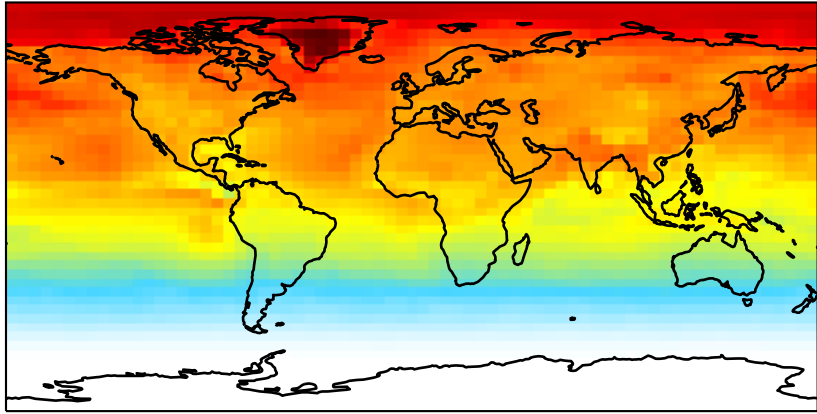
Ratio  
Dev/Ref, Fixed Range



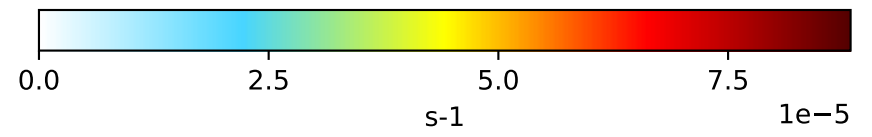
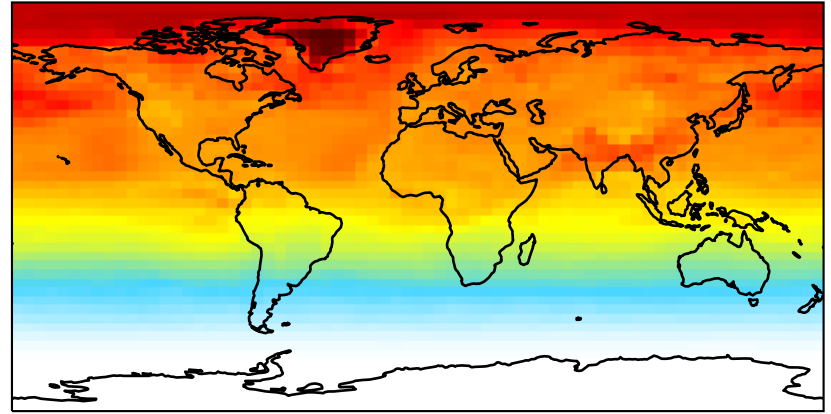


# Jval\_MCRHNB

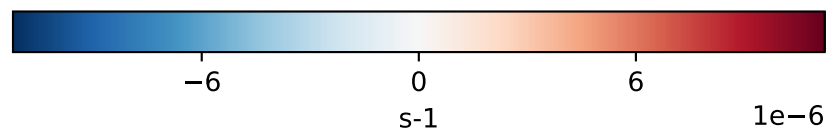
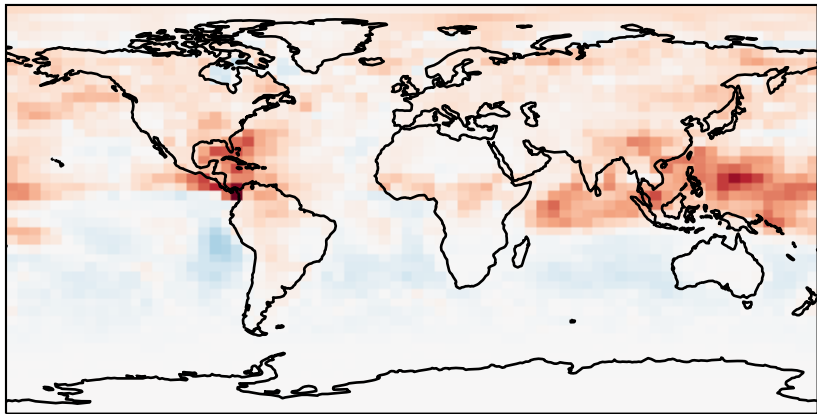
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



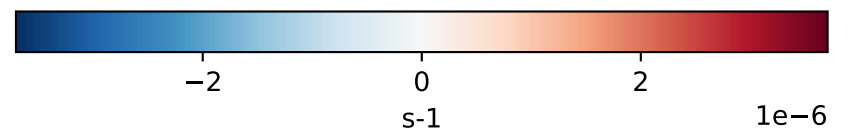
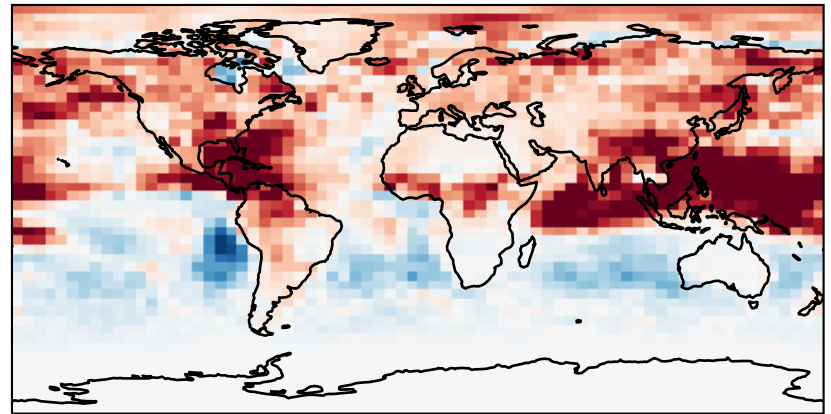
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



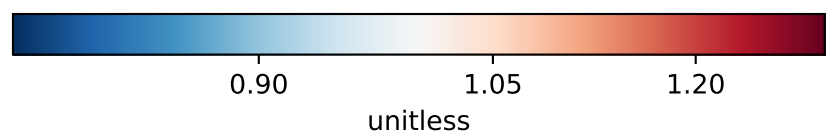
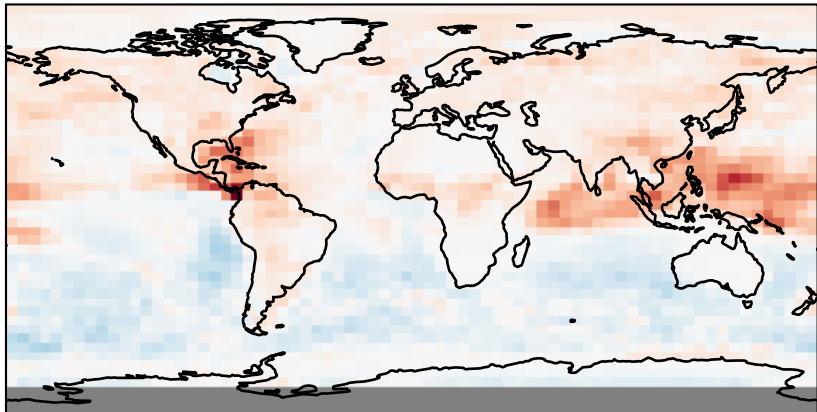
Difference  
Dev - Ref, Dynamic Range



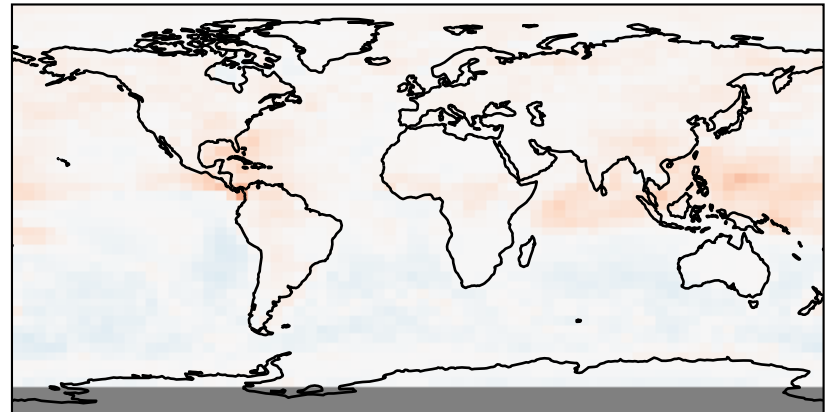
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

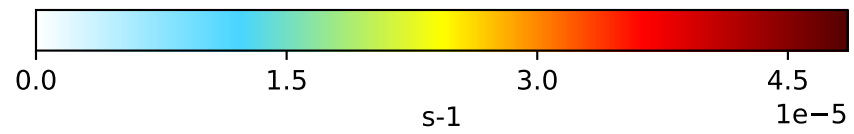
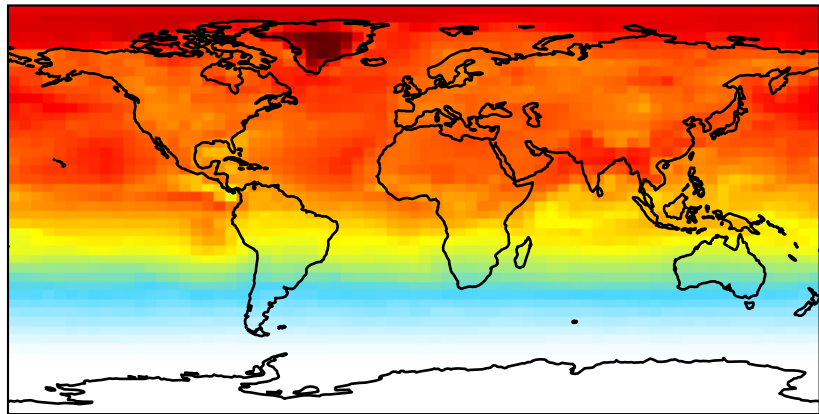


Ratio  
Dev/Ref, Fixed Range

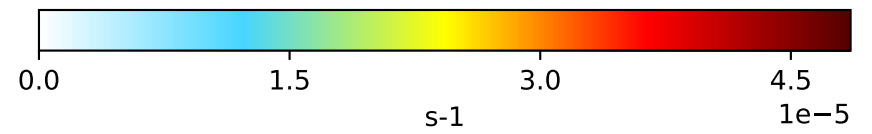
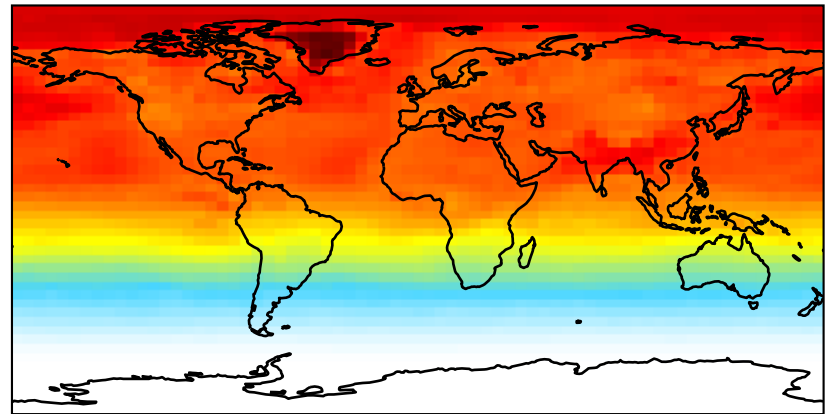


# Jval\_MCRHP

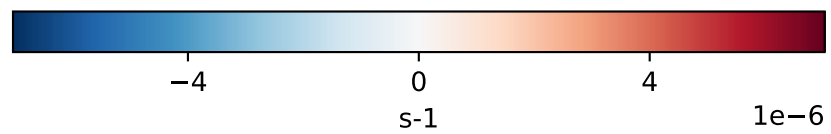
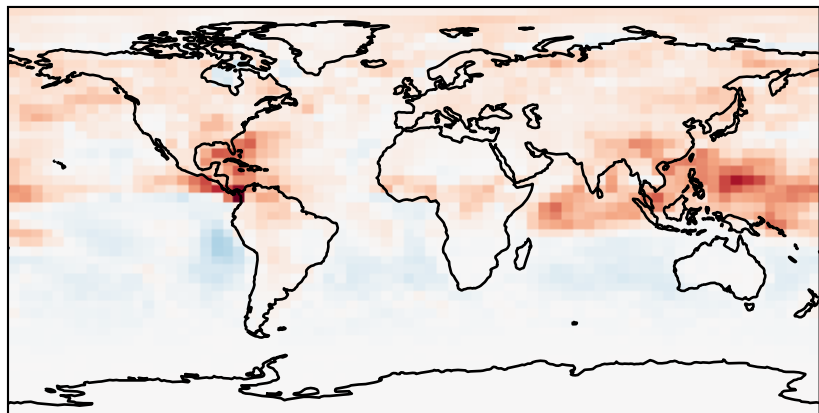
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



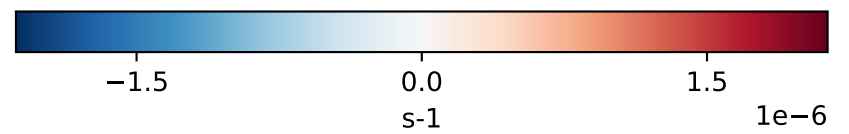
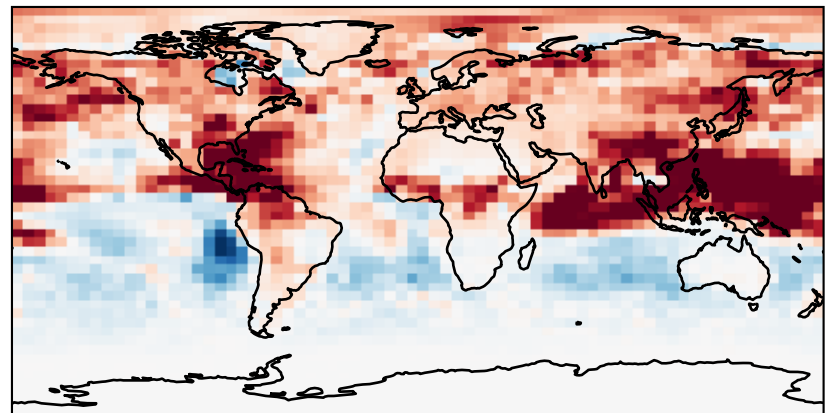
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



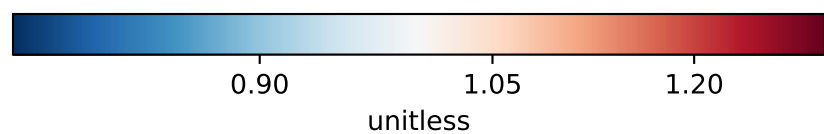
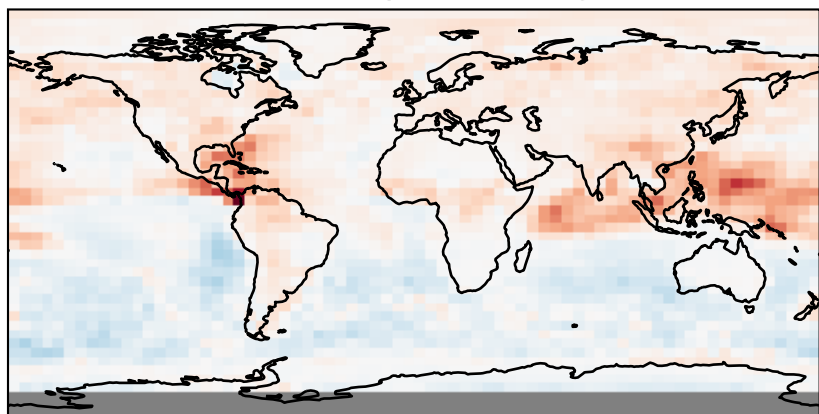
Difference  
Dev - Ref, Dynamic Range



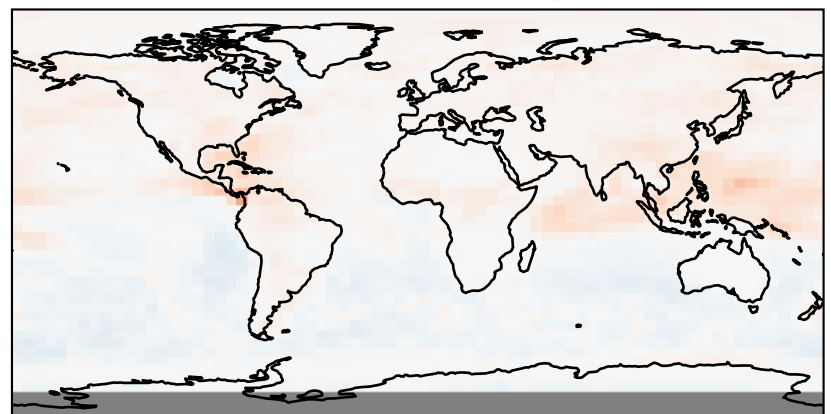
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

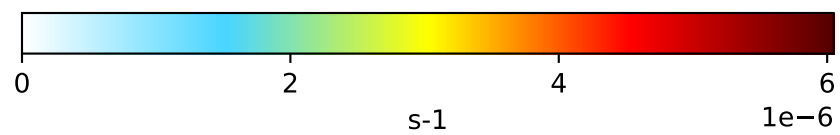
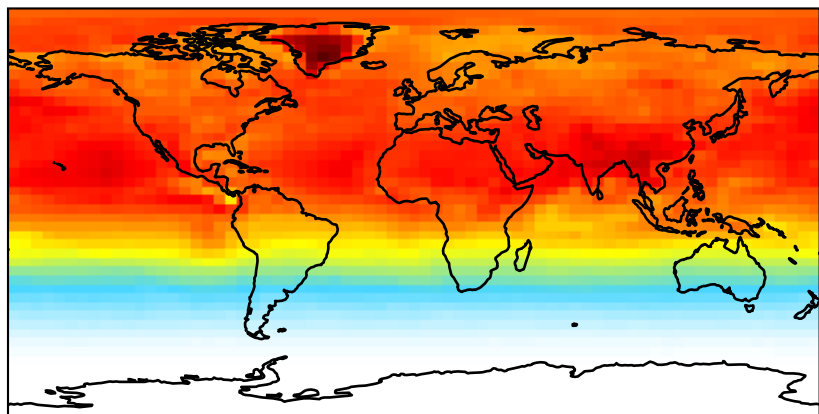


Ratio  
Dev/Ref, Fixed Range

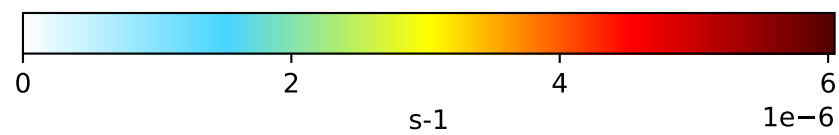
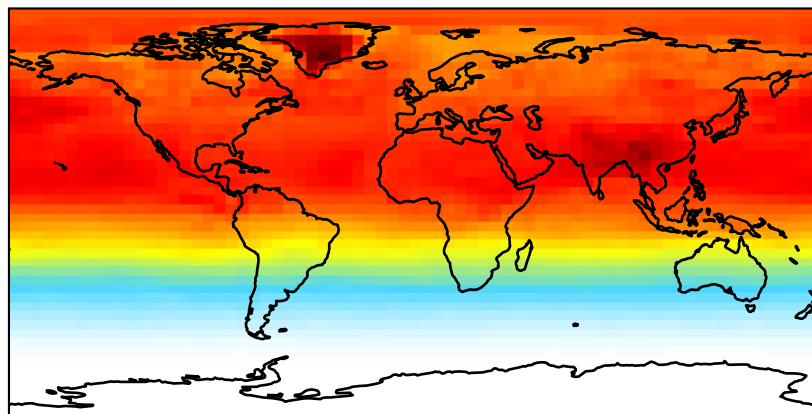


# Jval\_MEK

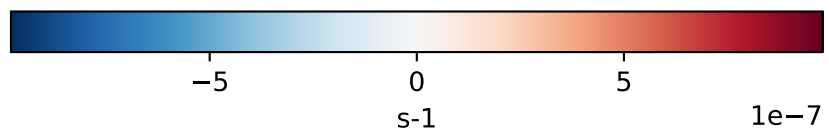
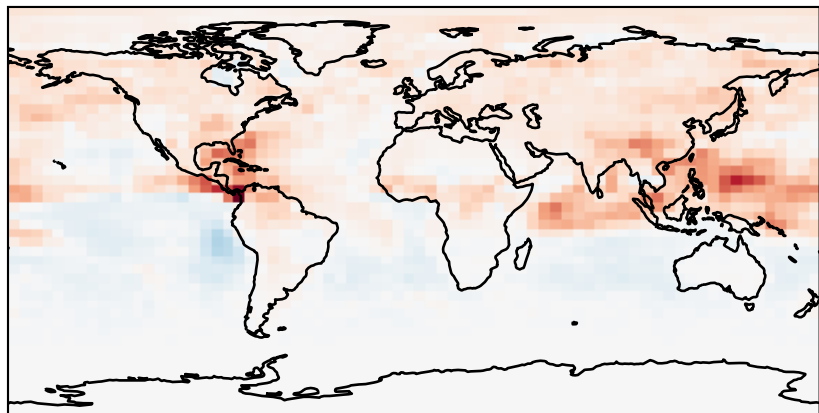
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



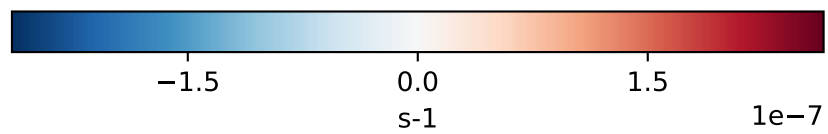
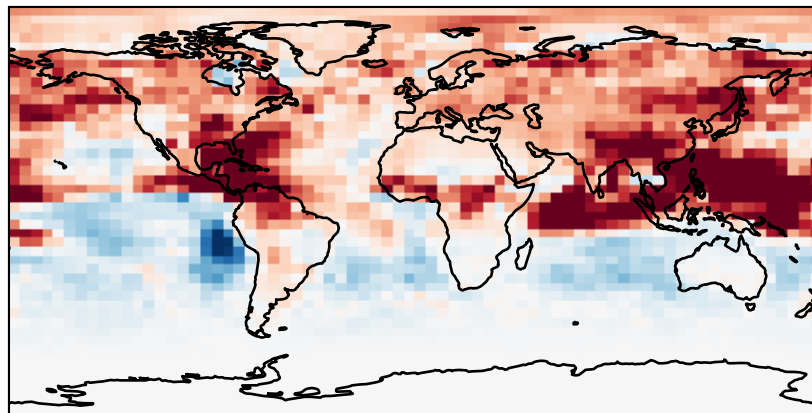
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



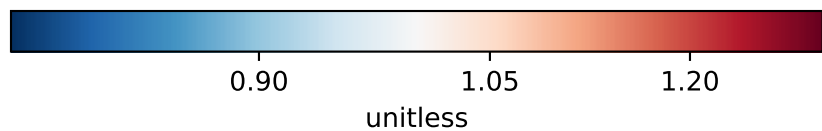
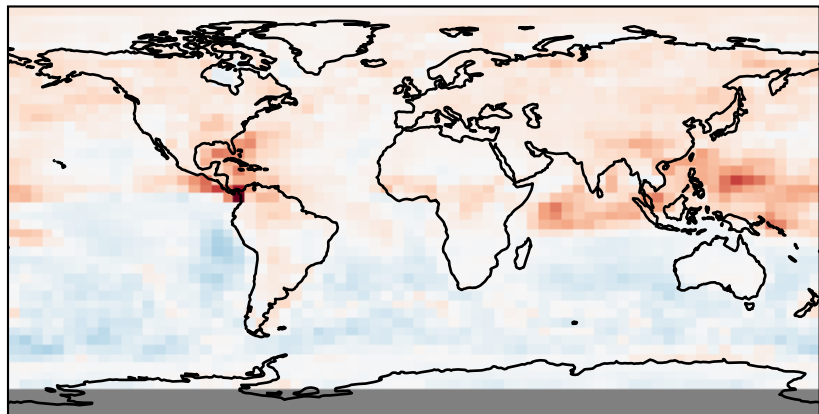
Difference  
Dev - Ref, Dynamic Range



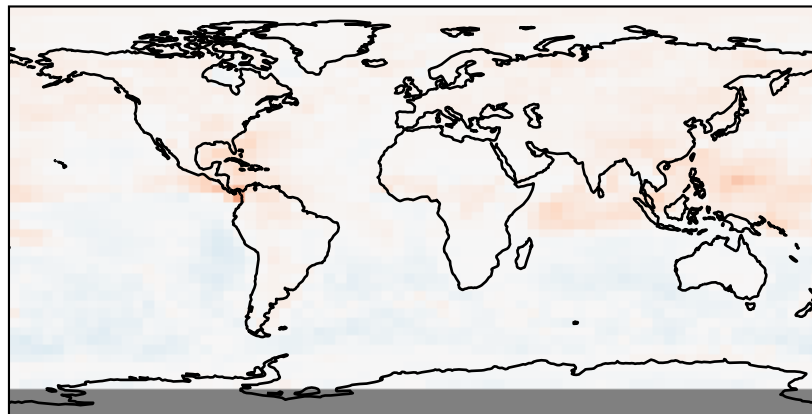
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

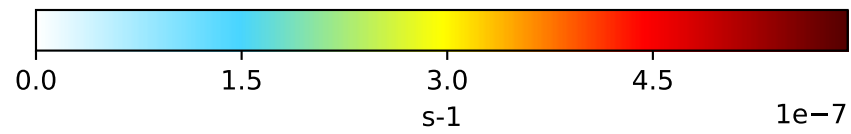
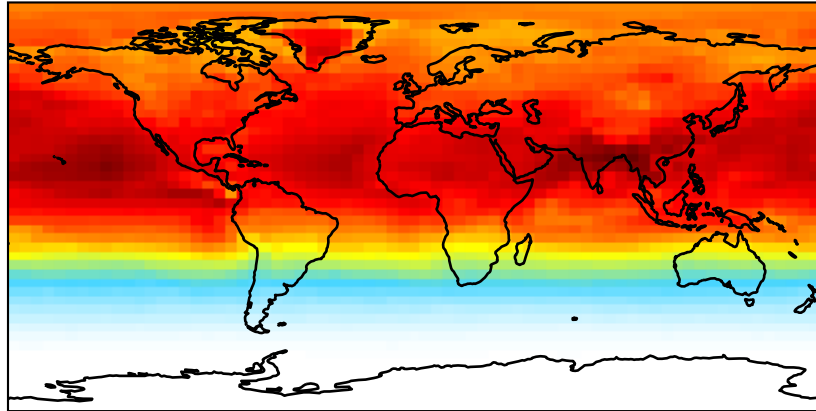


Ratio  
Dev/Ref, Fixed Range

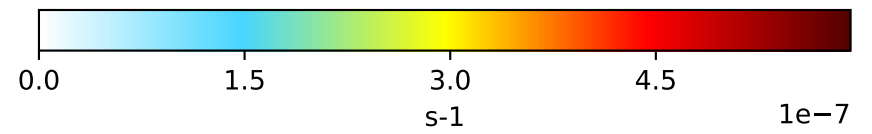
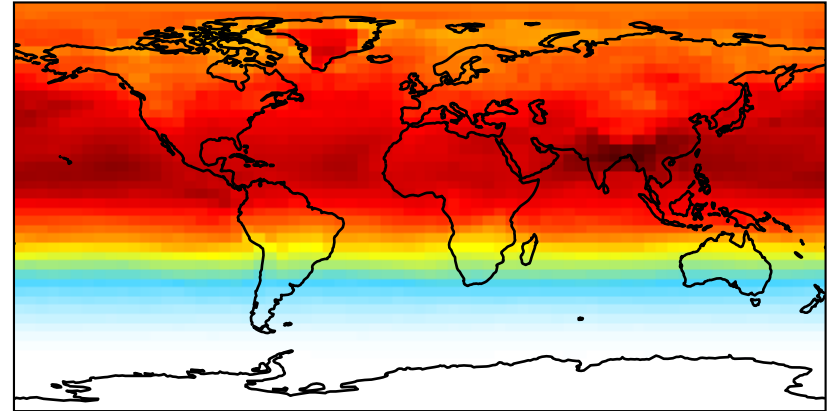


# Jval\_MEN03

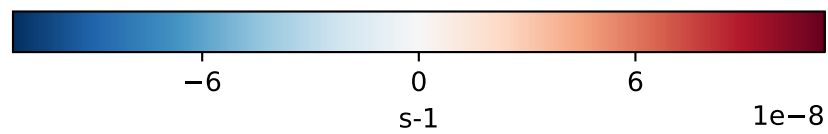
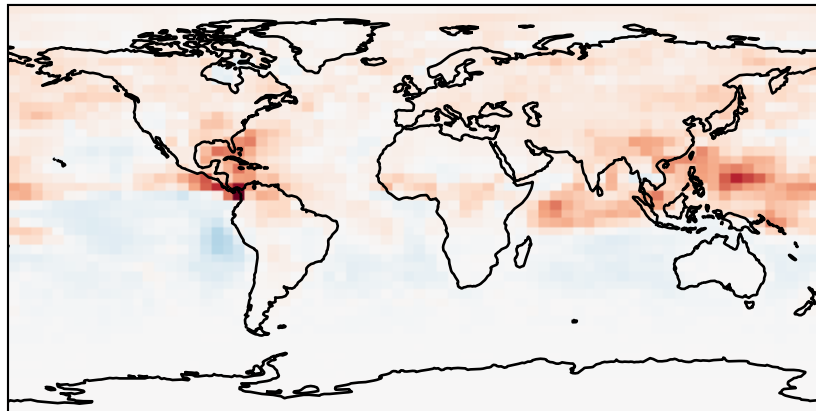
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



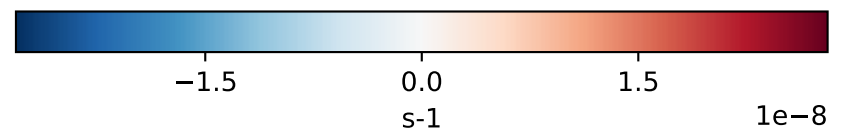
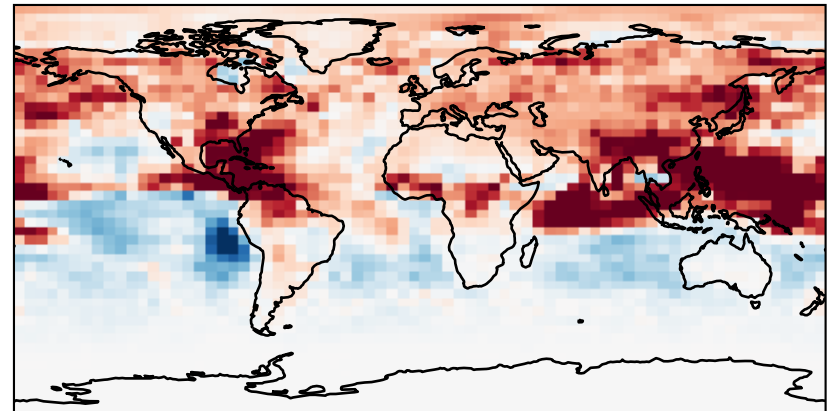
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



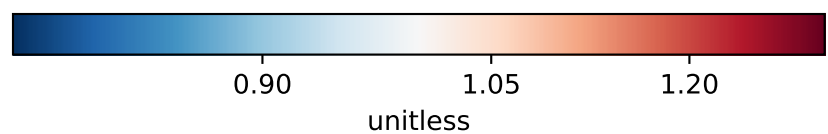
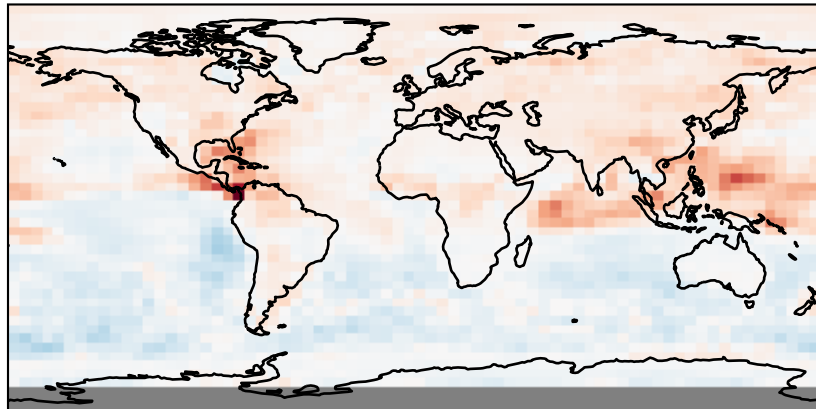
Difference  
Dev - Ref, Dynamic Range



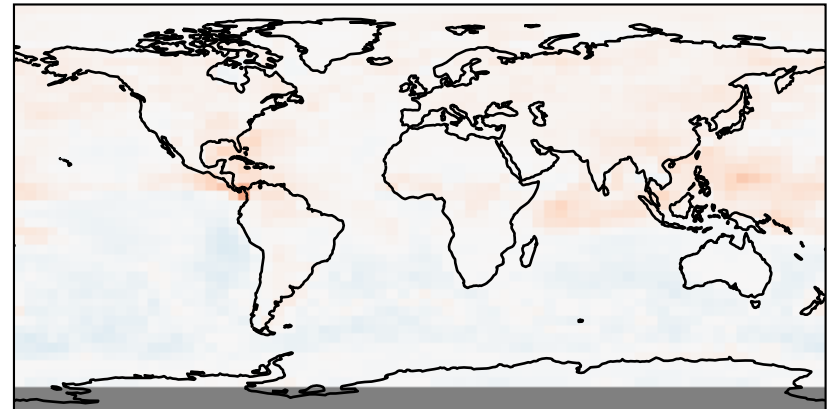
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

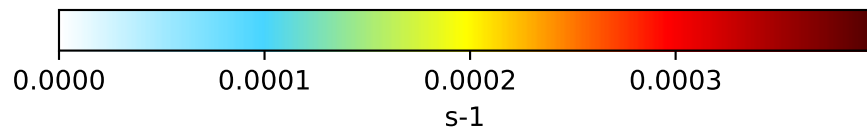
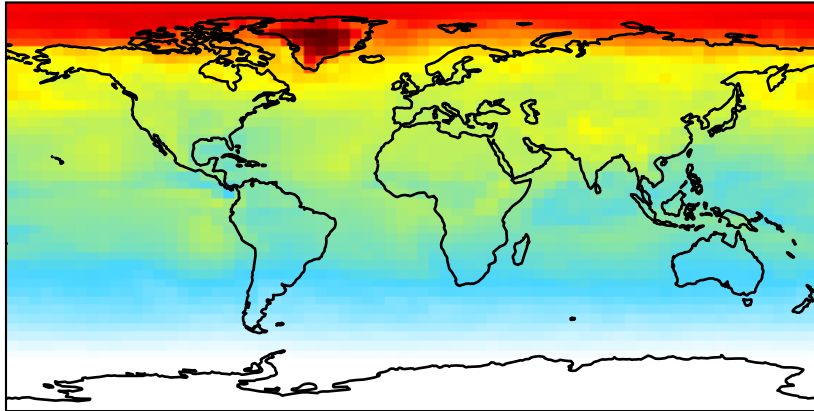


Ratio  
Dev/Ref, Fixed Range

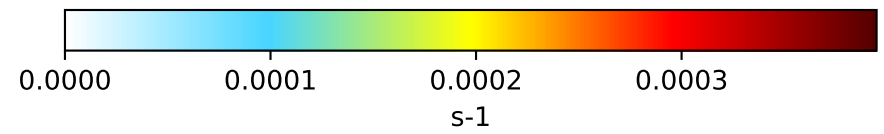
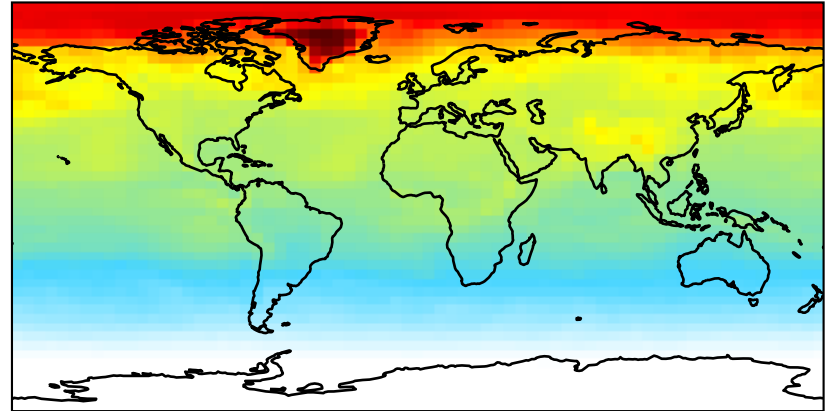


# Jval\_MGLY

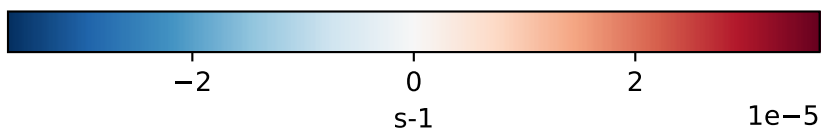
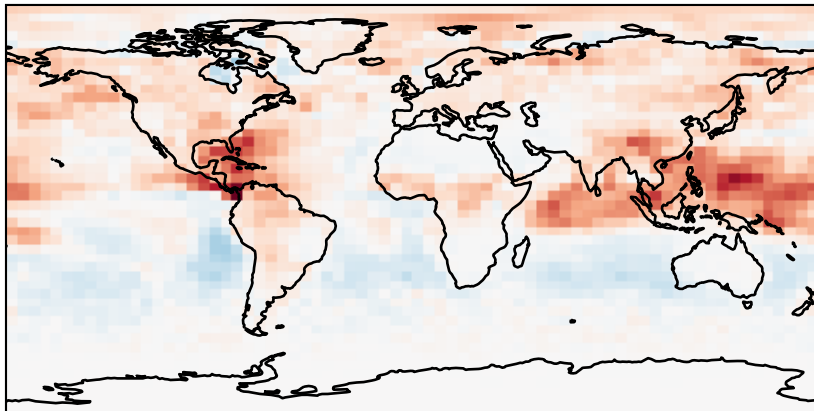
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



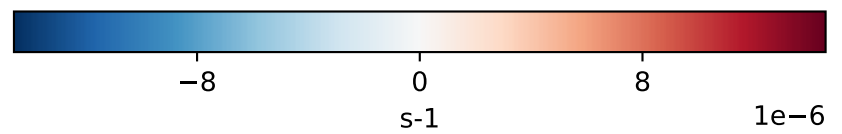
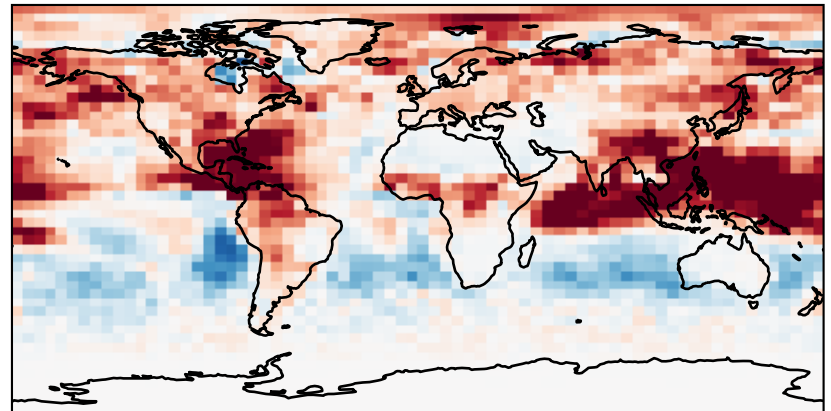
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



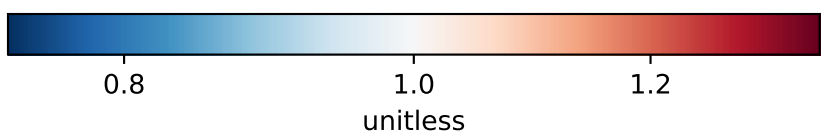
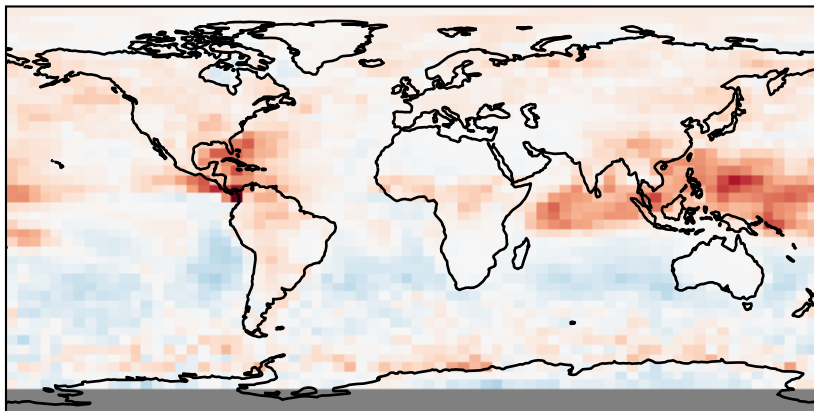
Difference  
Dev - Ref, Dynamic Range



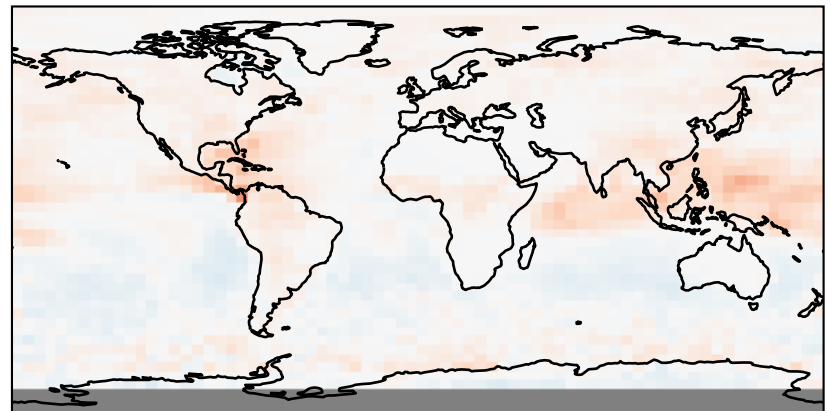
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

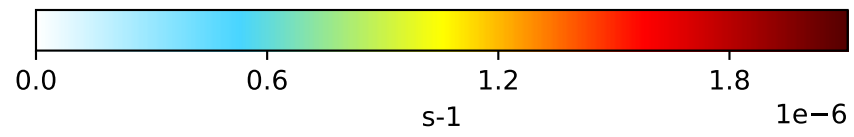
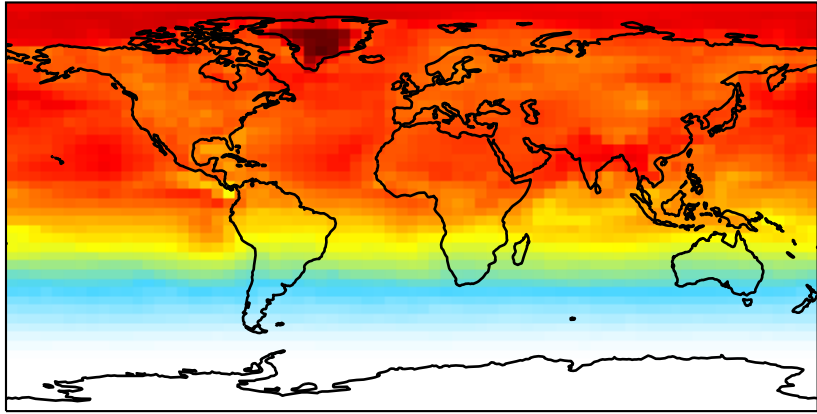


Ratio  
Dev/Ref, Fixed Range

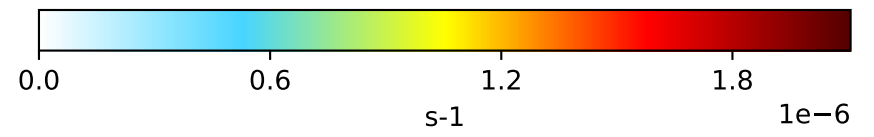
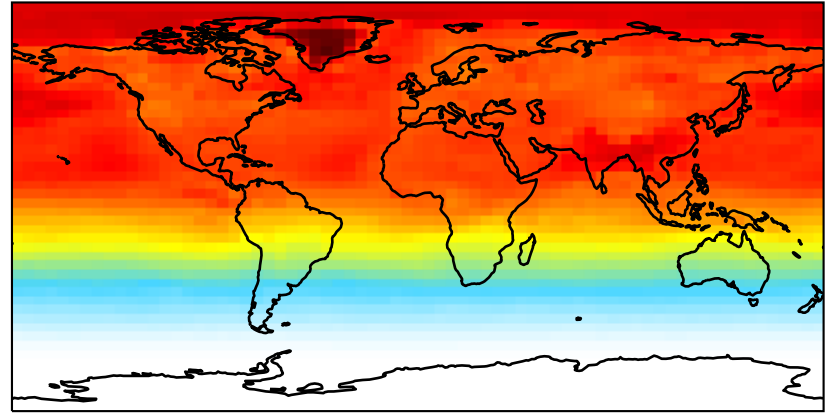


# Jval\_MONITS

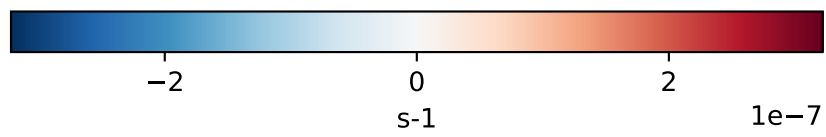
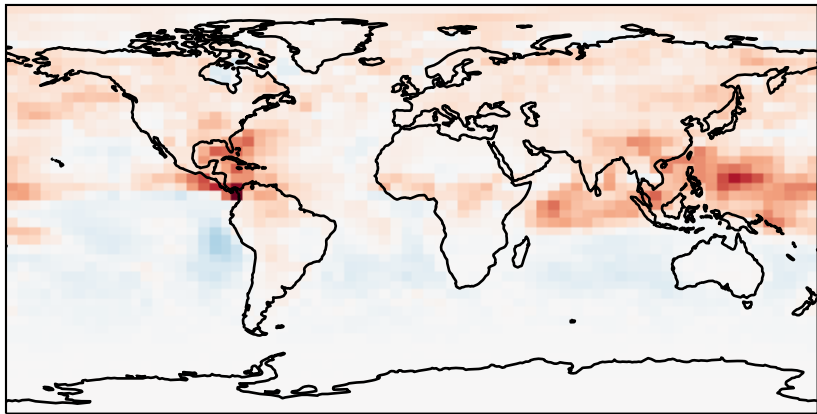
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



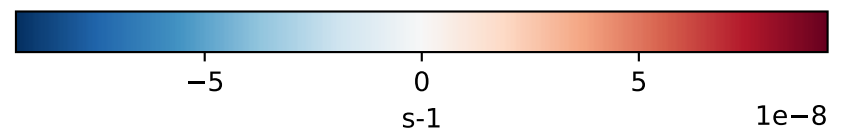
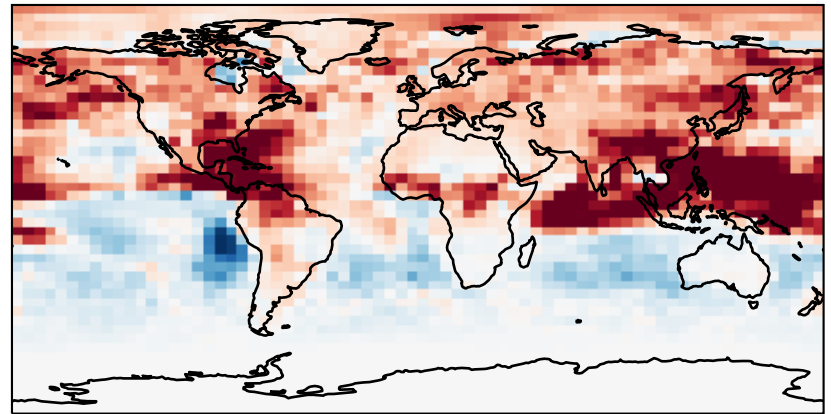
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



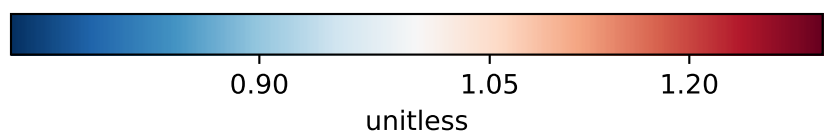
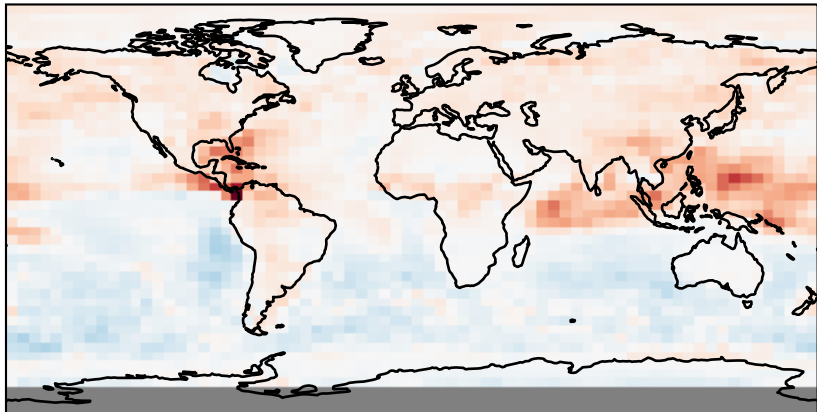
Difference  
Dev - Ref, Dynamic Range



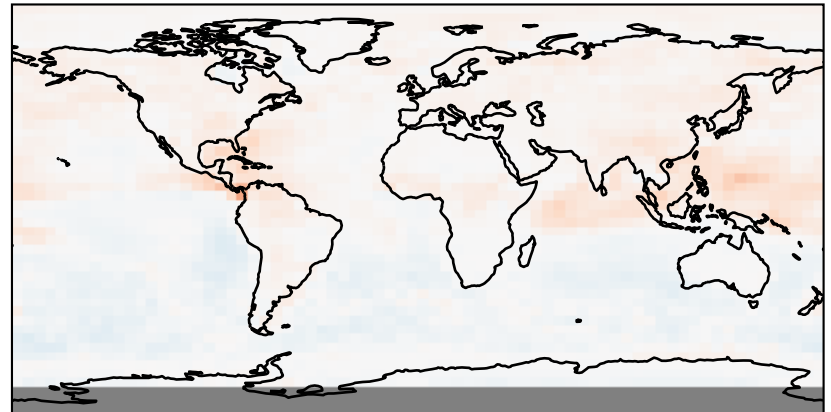
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

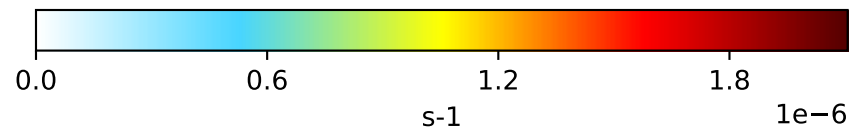
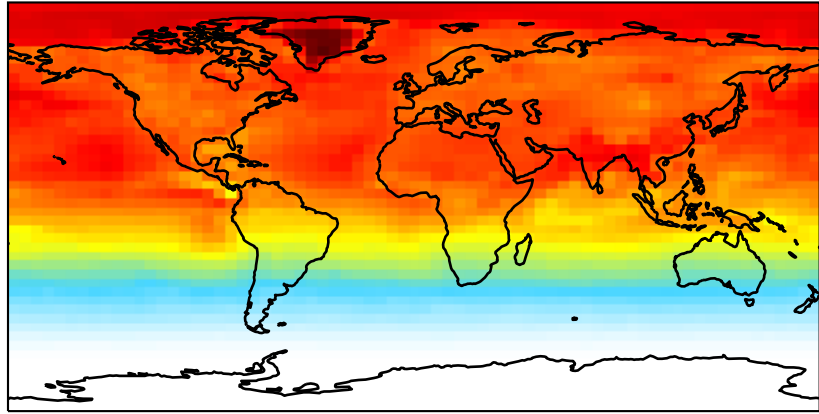


Ratio  
Dev/Ref, Fixed Range

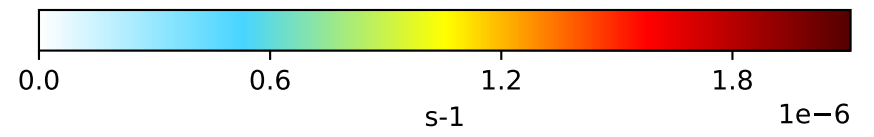
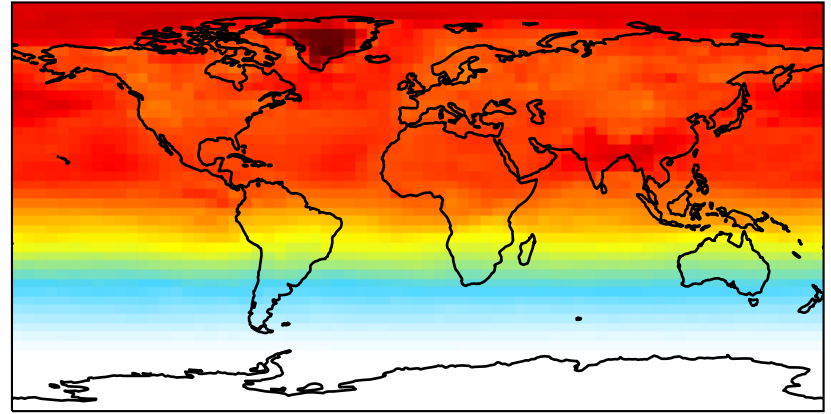


# Jval\_MONITU

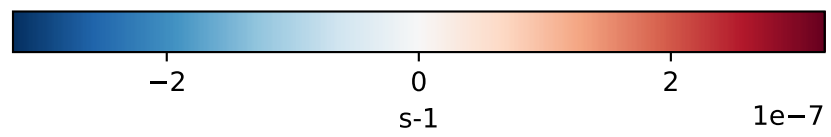
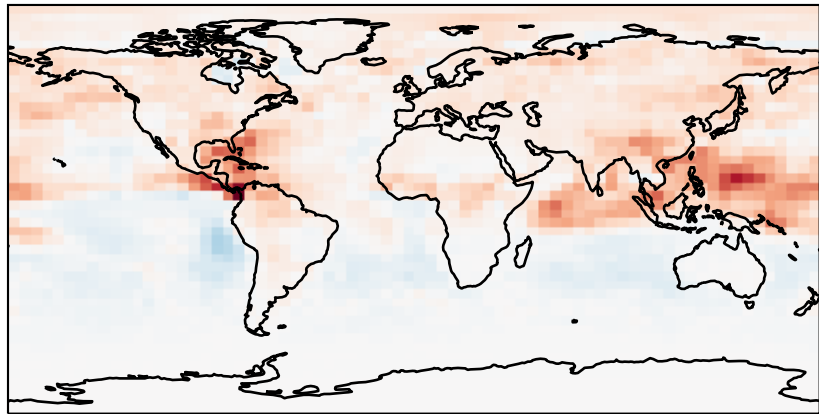
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



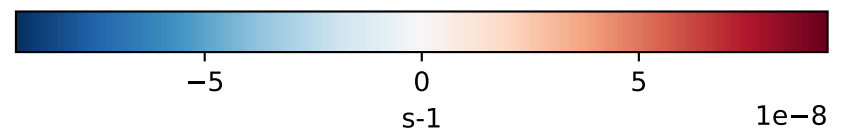
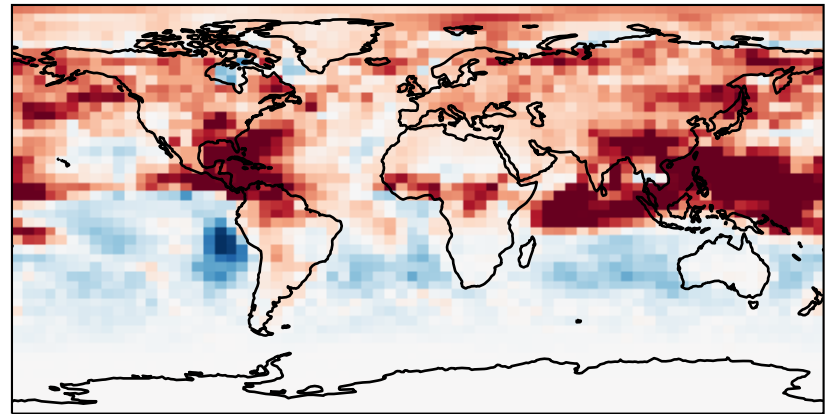
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



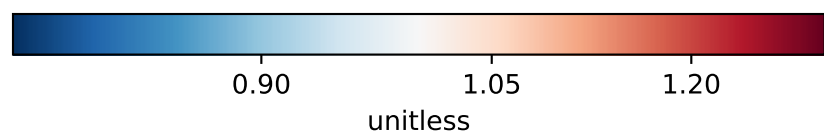
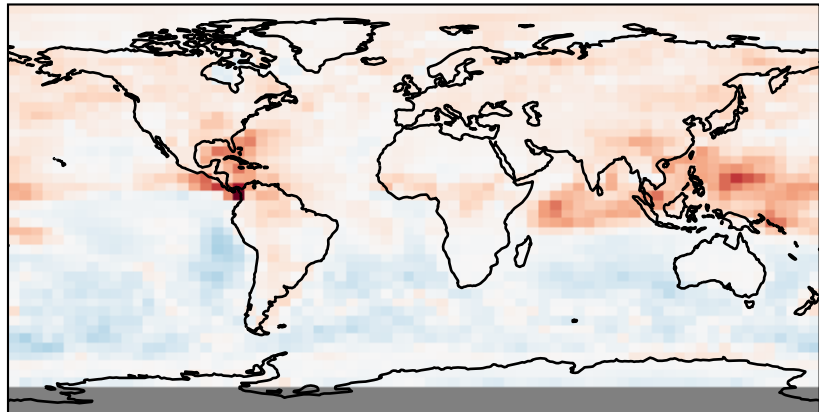
Difference  
Dev - Ref, Dynamic Range



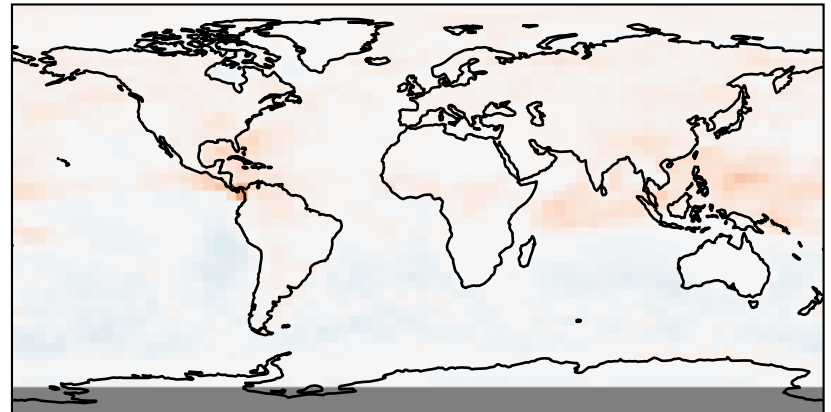
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

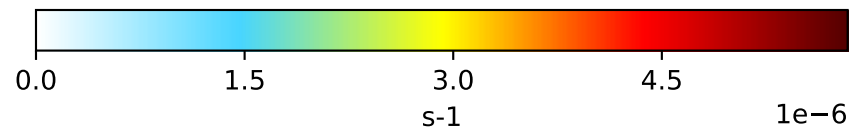
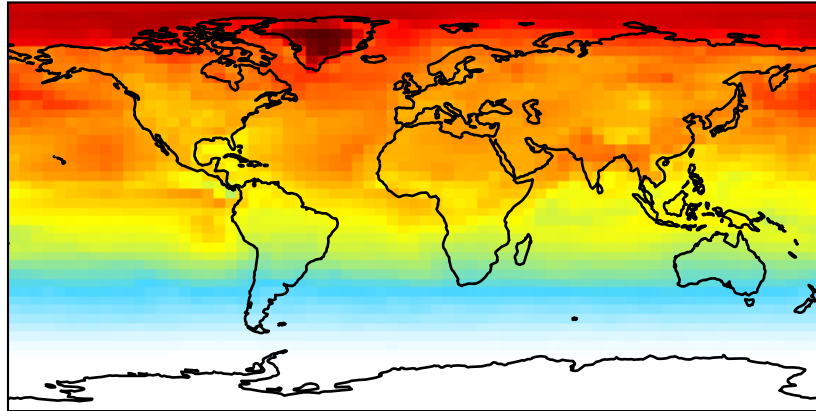


Ratio  
Dev/Ref, Fixed Range

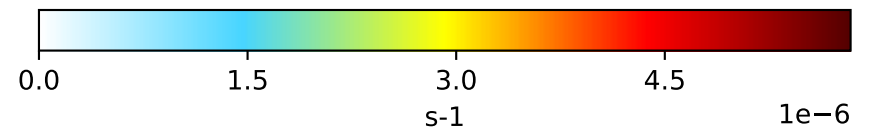
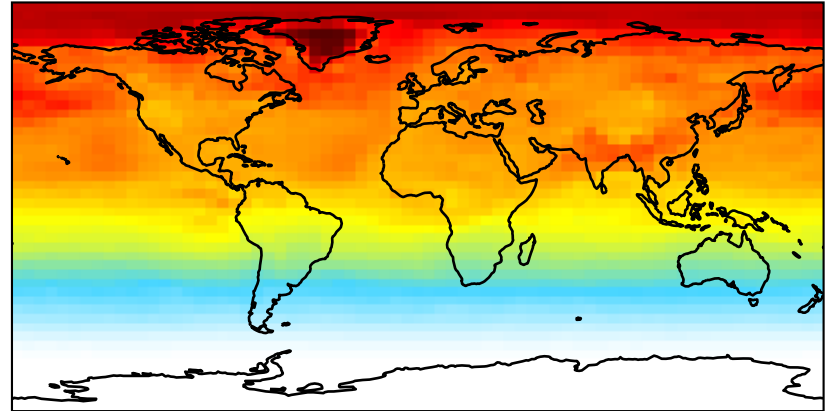


# Jval\_MP

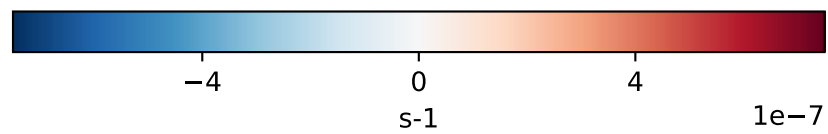
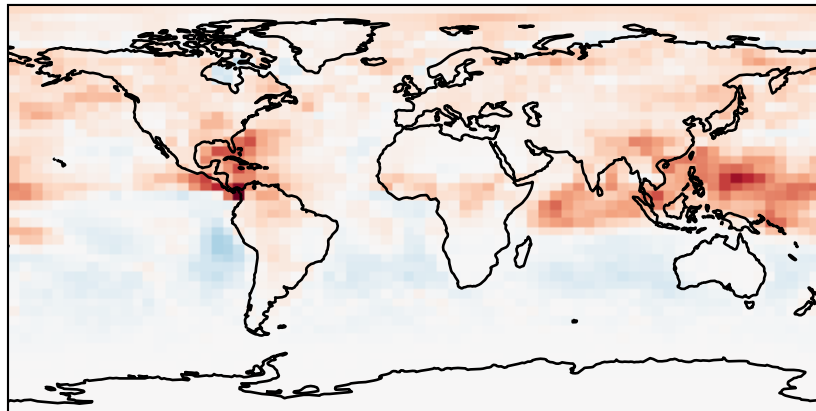
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



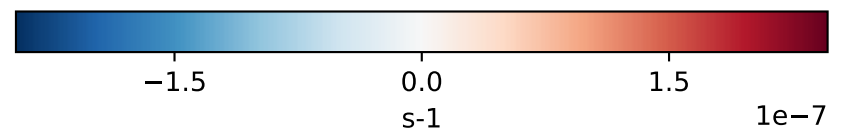
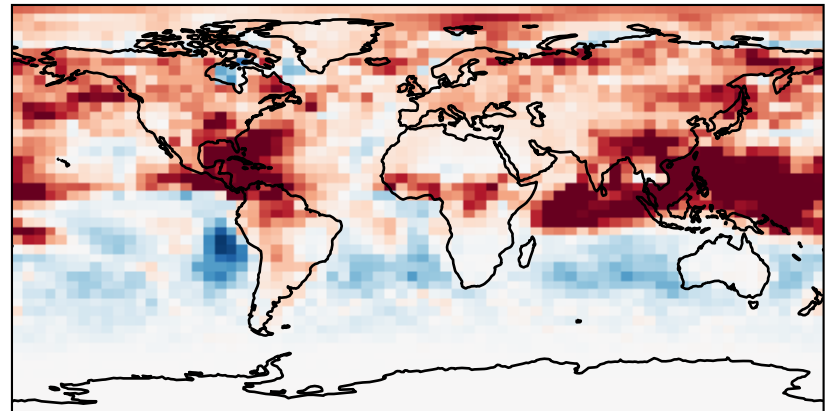
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



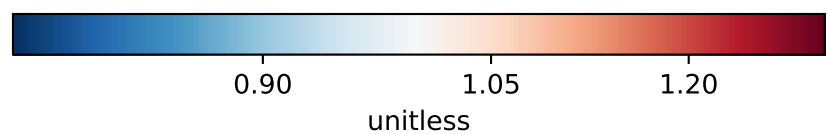
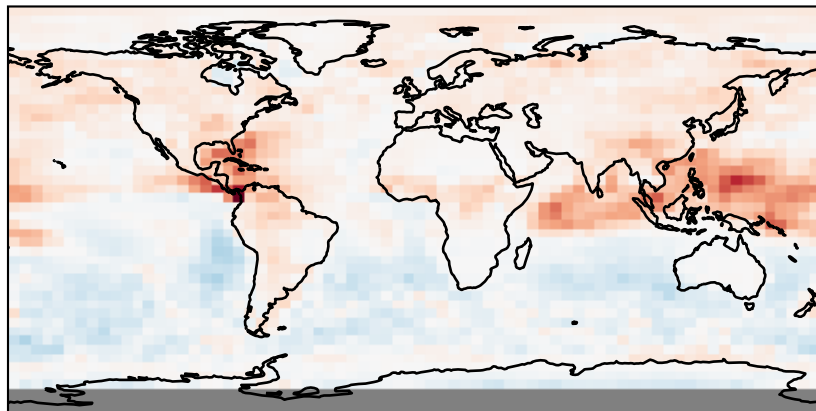
Difference  
Dev - Ref, Dynamic Range



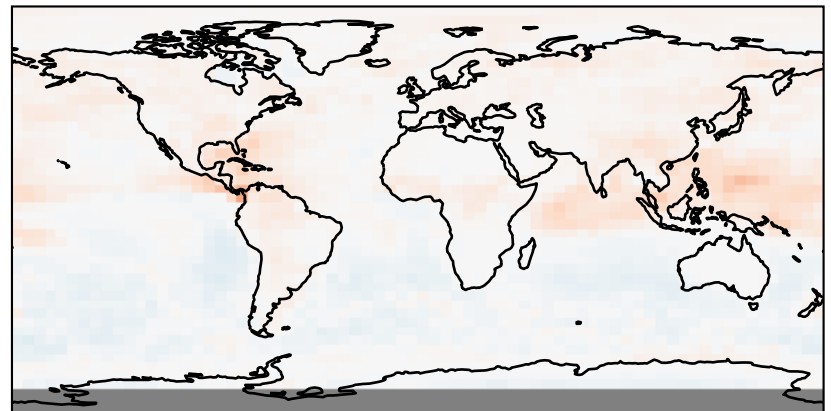
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range





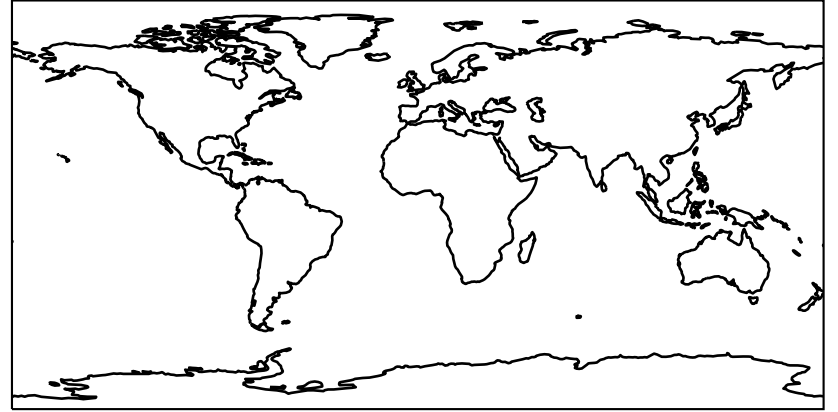
# Jval\_MPAN

GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



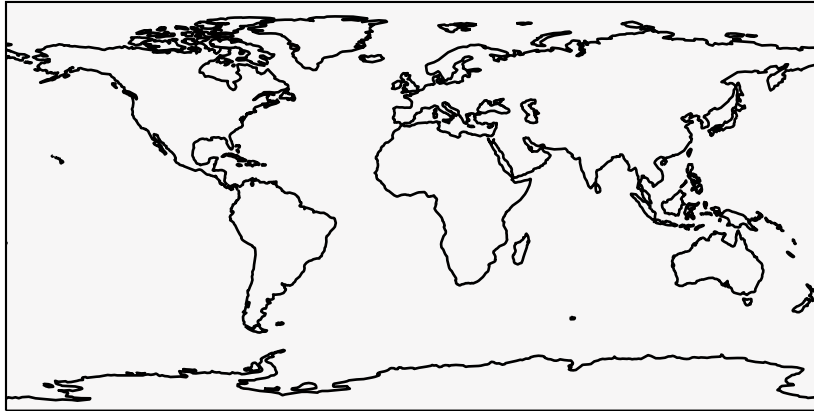
Zero throughout domain  
s-1

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



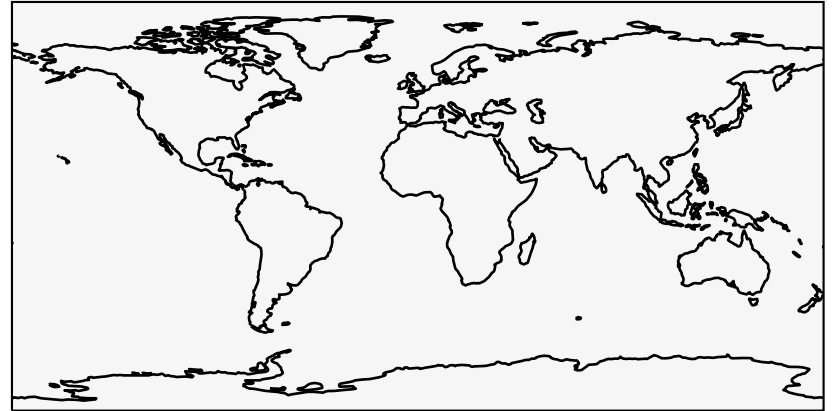
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



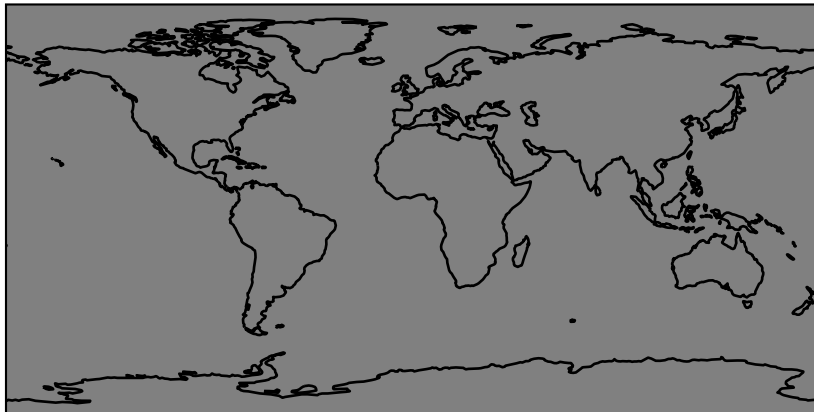
Zero throughout domain  
s-1

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



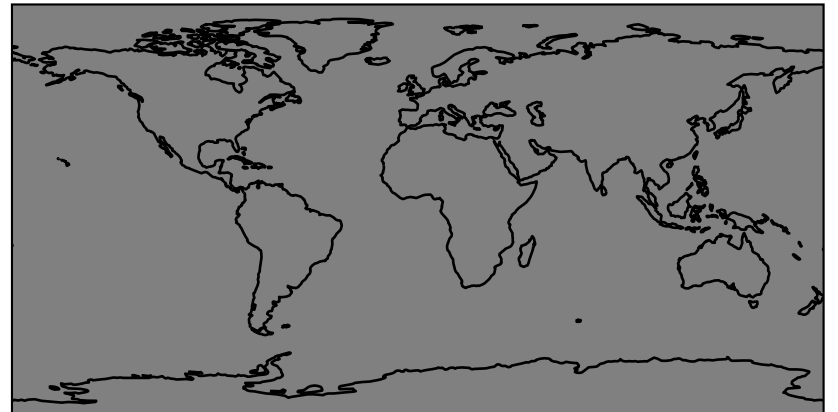
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

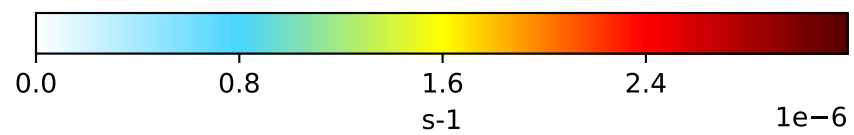
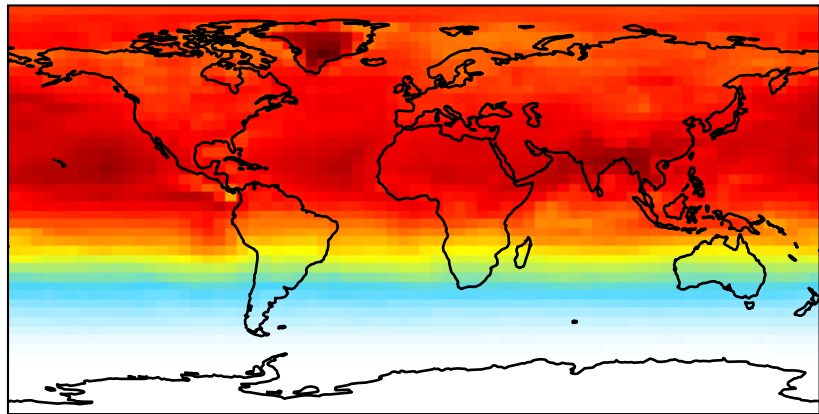
Ratio  
Dev/Ref, Fixed Range



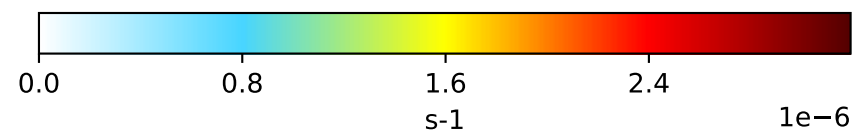
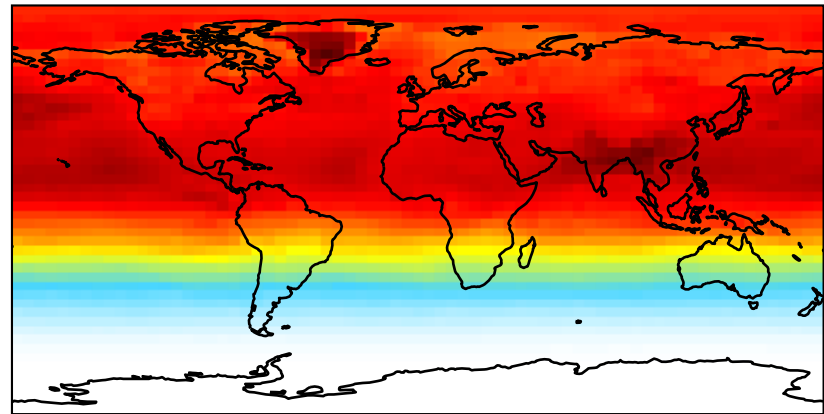
Undefined throughout domain  
unitless

# Jval\_MPN

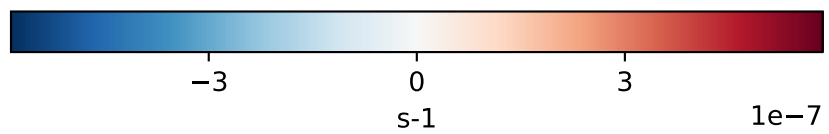
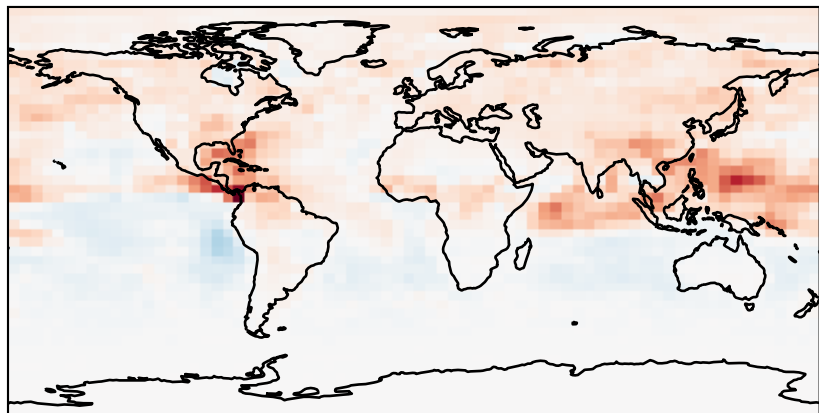
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



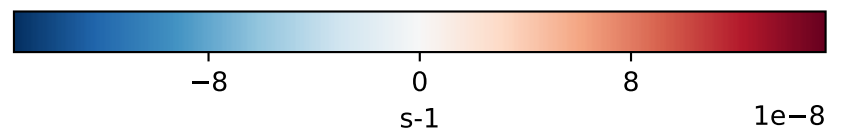
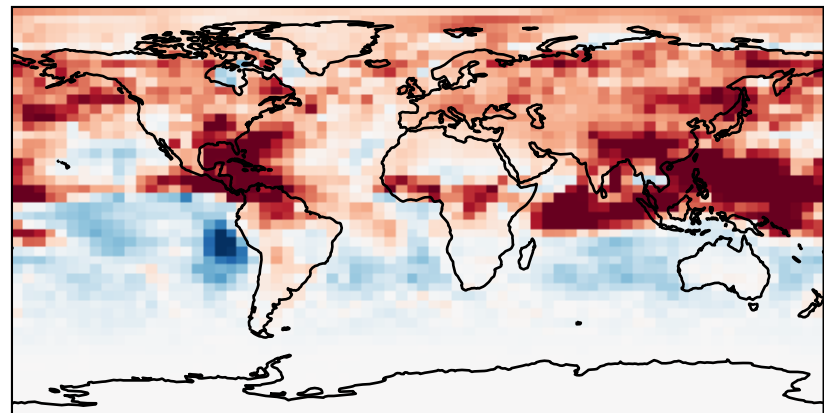
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



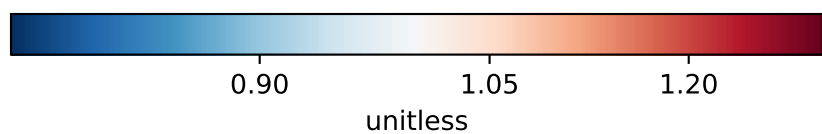
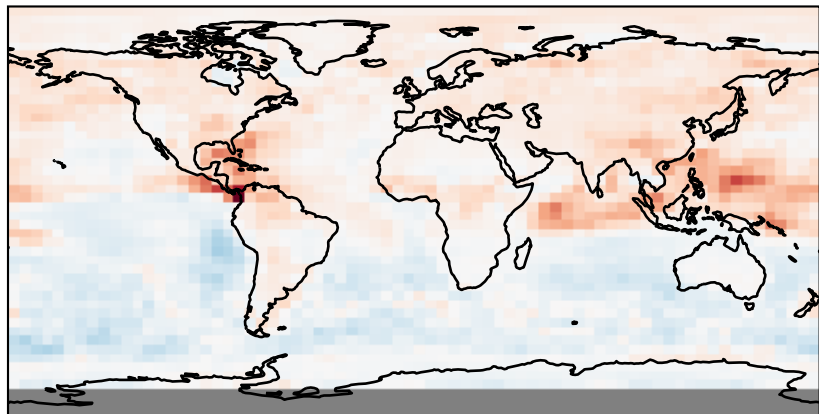
Difference  
Dev - Ref, Dynamic Range



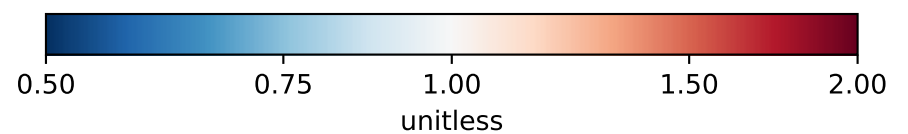
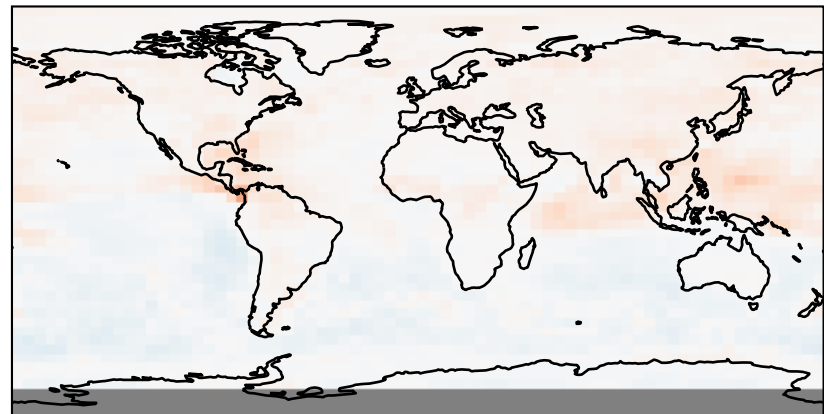
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

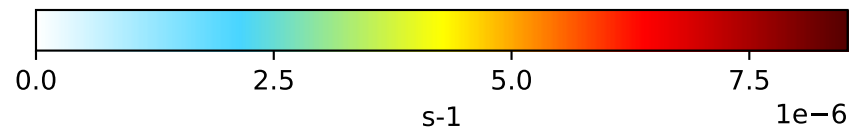
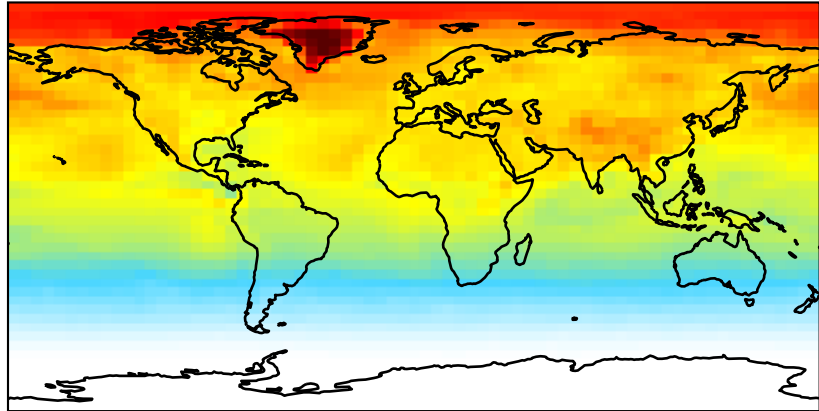


Ratio  
Dev/Ref, Fixed Range

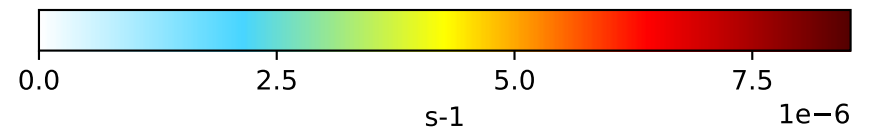
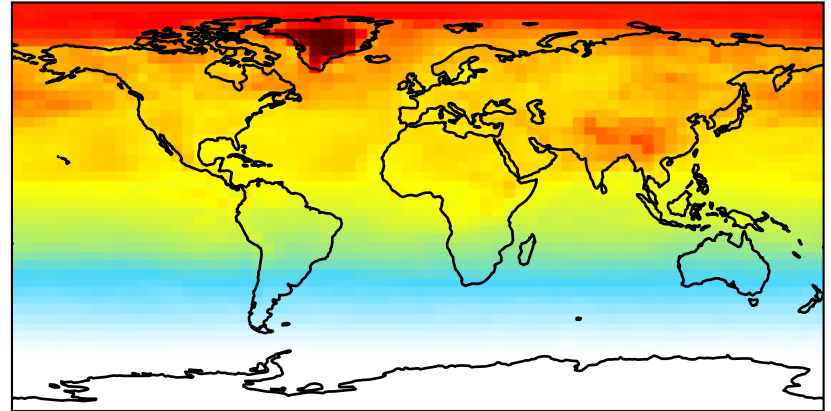


# Jval\_MVK

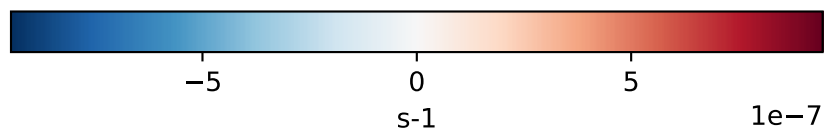
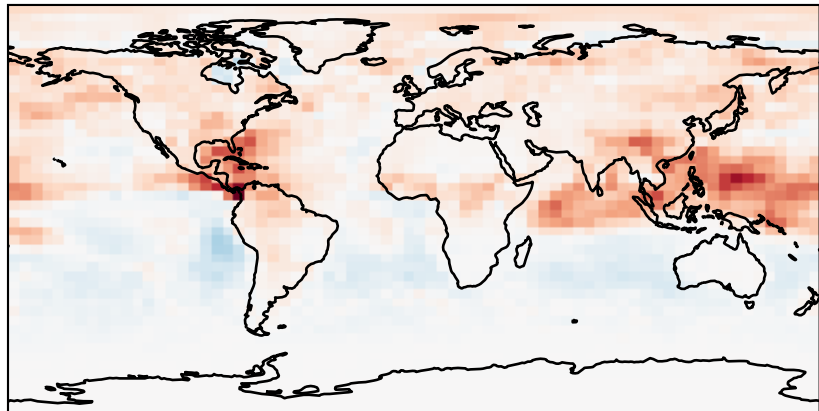
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



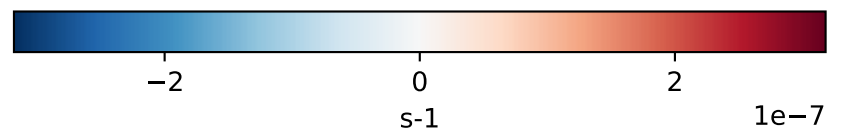
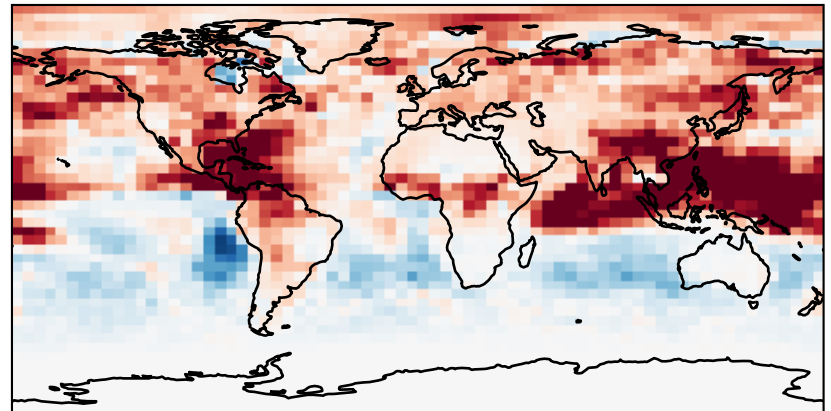
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



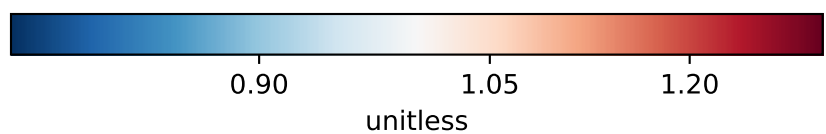
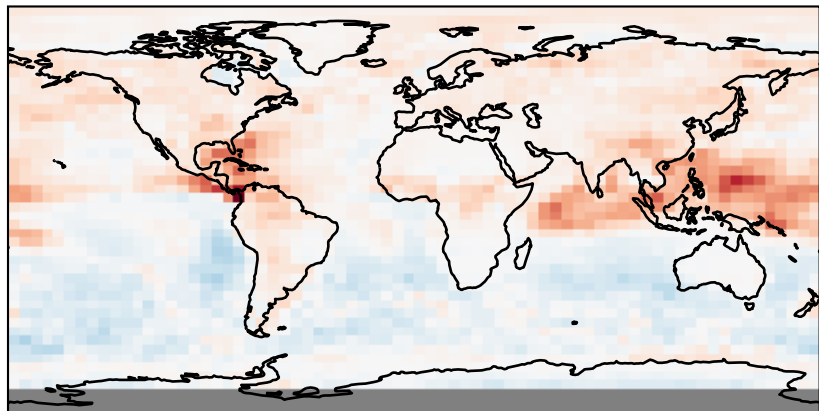
Difference  
Dev - Ref, Dynamic Range



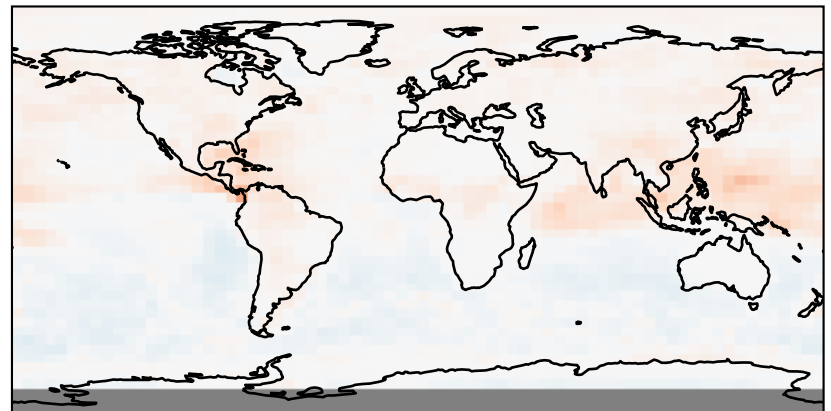
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

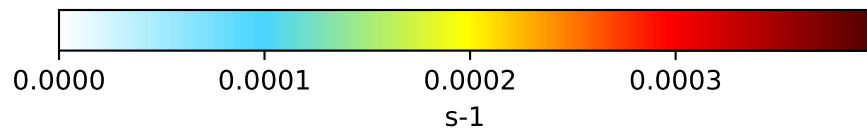
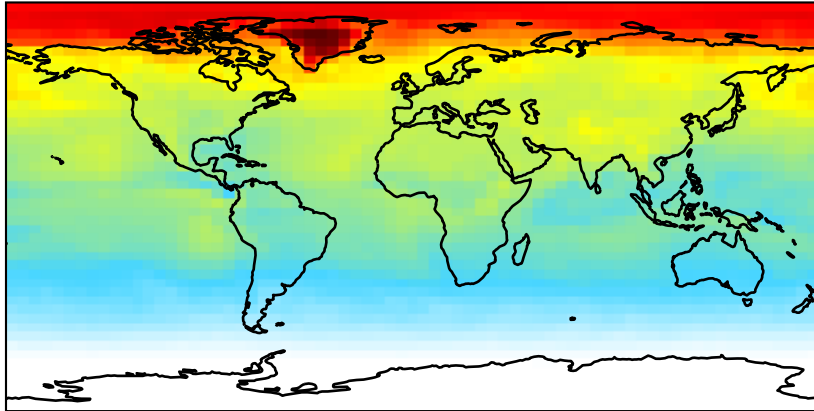


Ratio  
Dev/Ref, Fixed Range

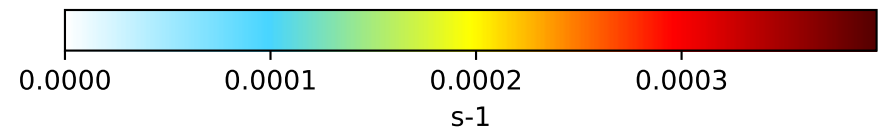
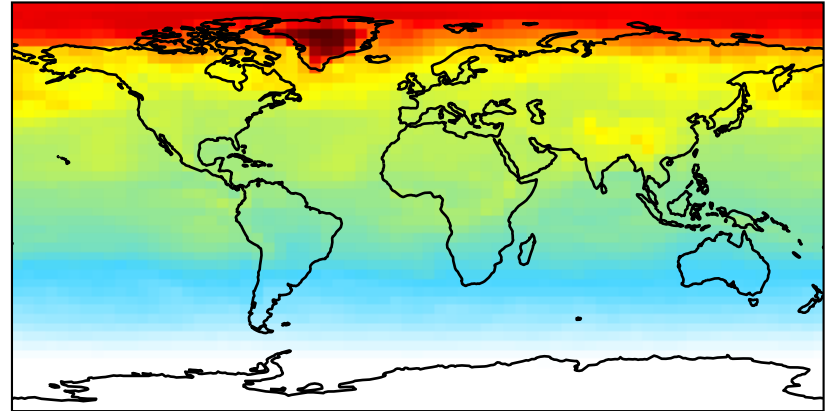


# Jval\_MVKHC

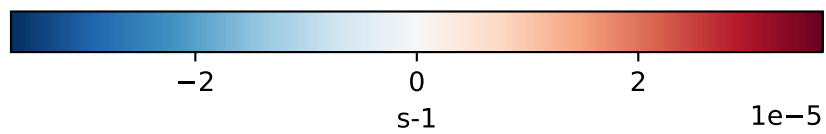
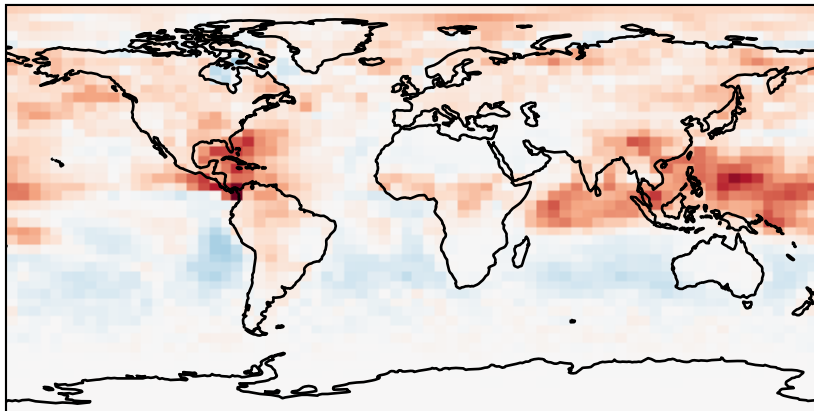
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



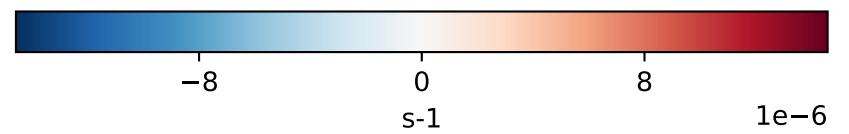
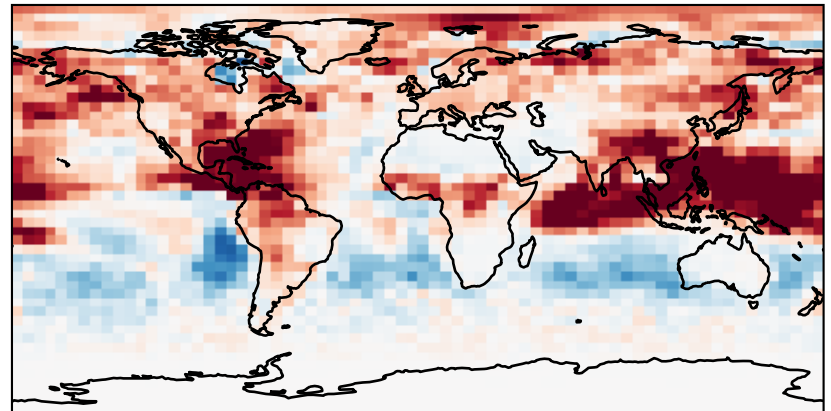
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



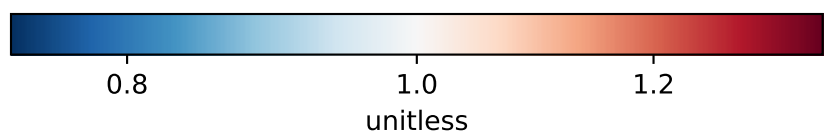
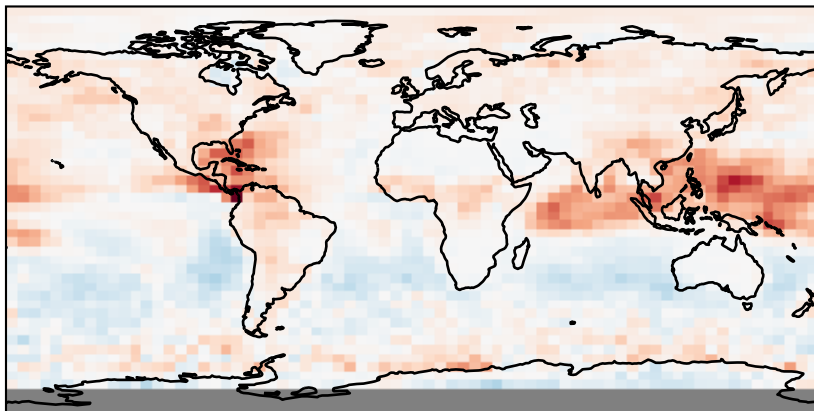
Difference  
Dev - Ref, Dynamic Range



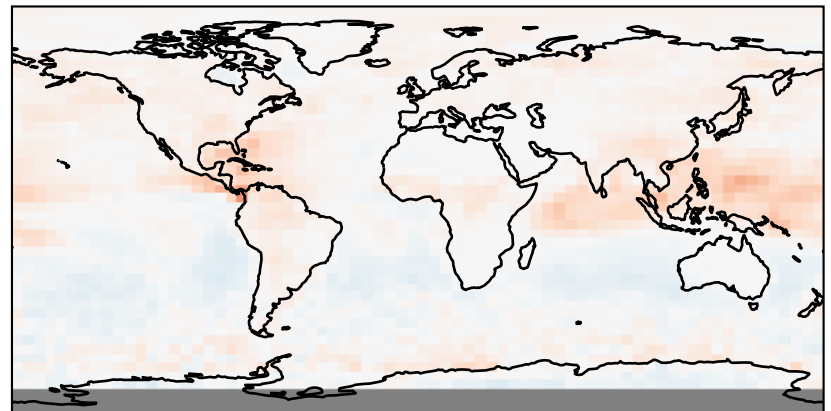
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

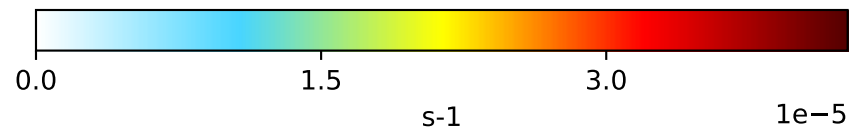
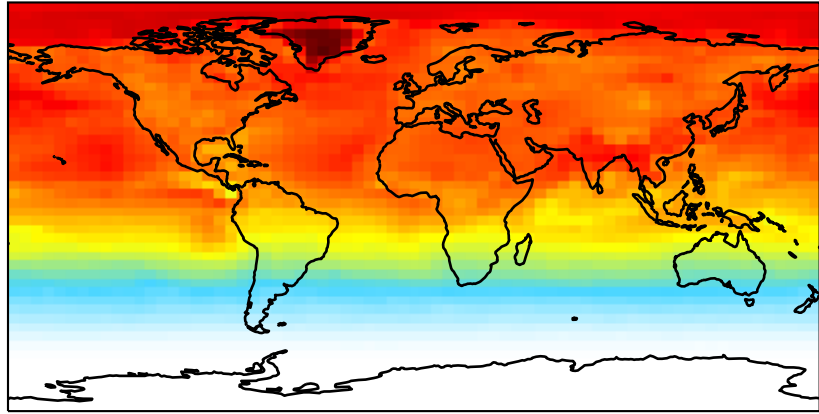


Ratio  
Dev/Ref, Fixed Range

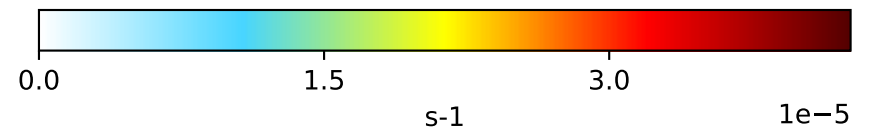
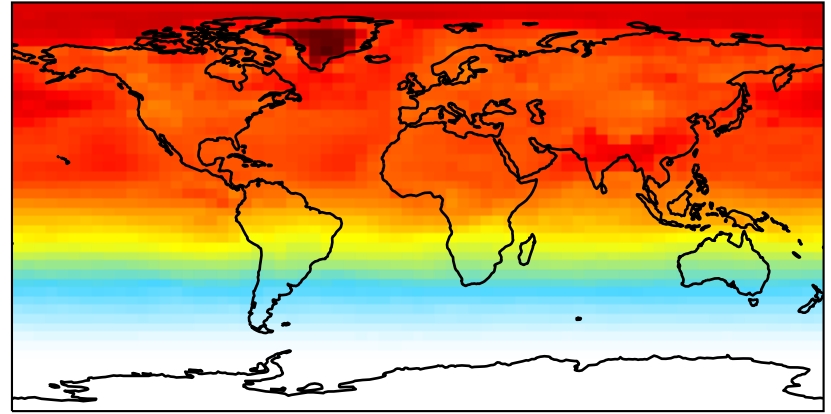


# Jval\_MVKHCB

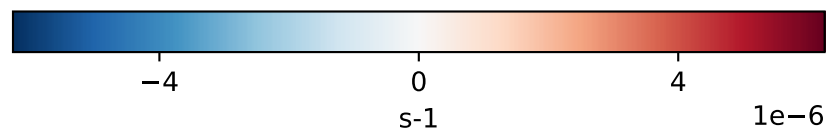
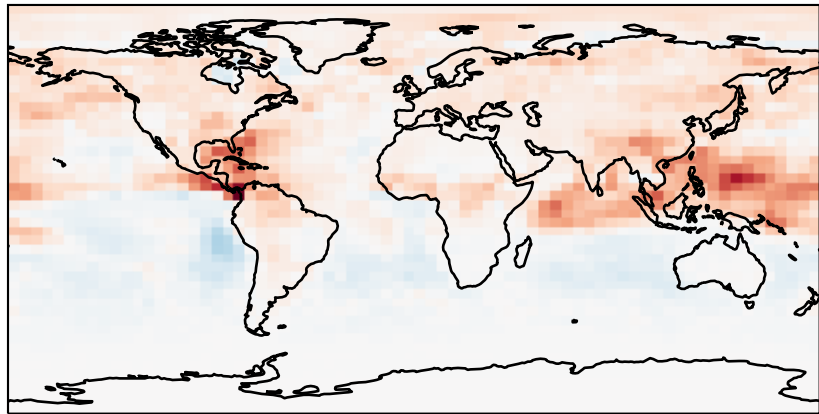
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



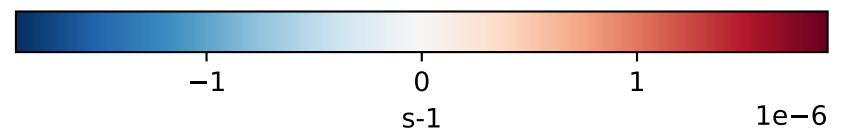
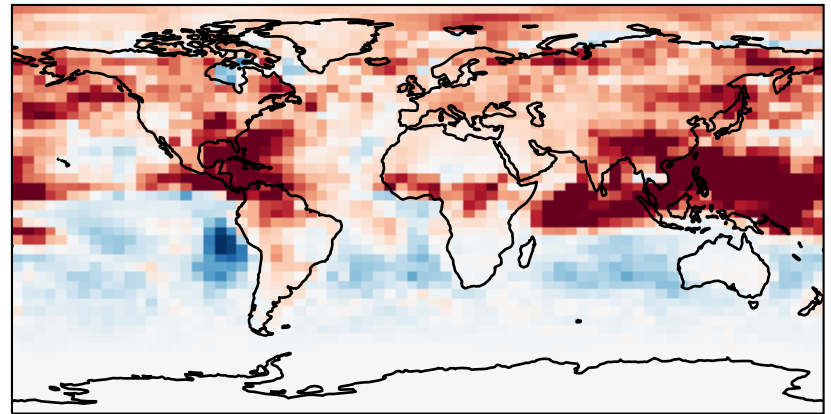
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



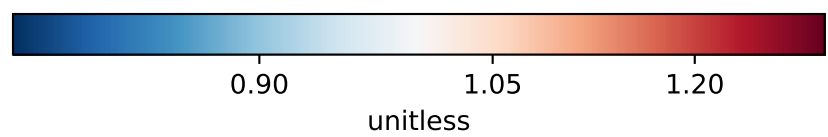
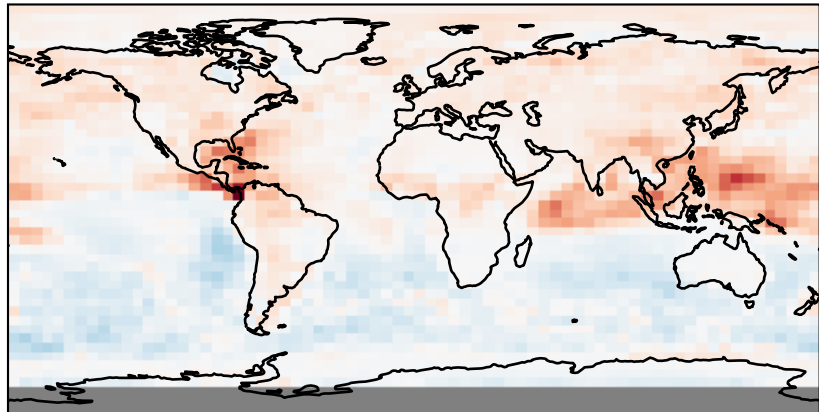
Difference  
Dev - Ref, Dynamic Range



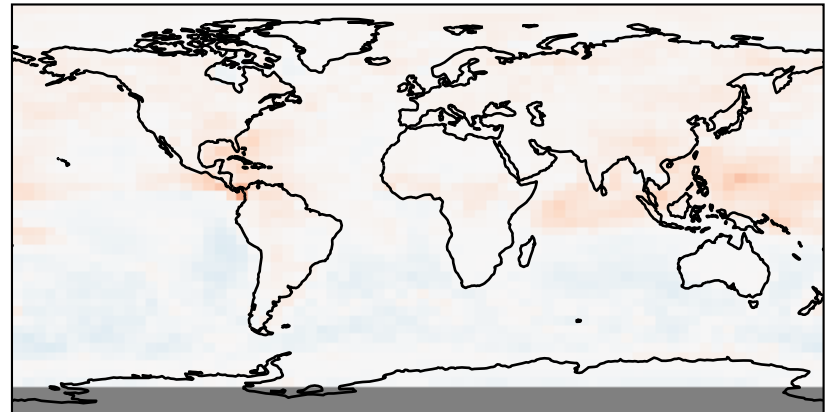
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

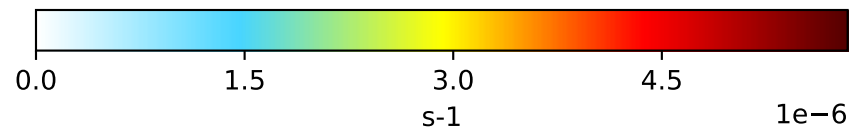
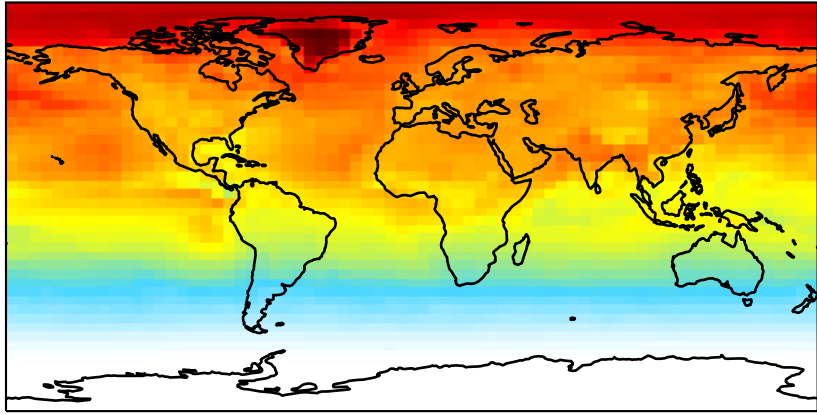


Ratio  
Dev/Ref, Fixed Range

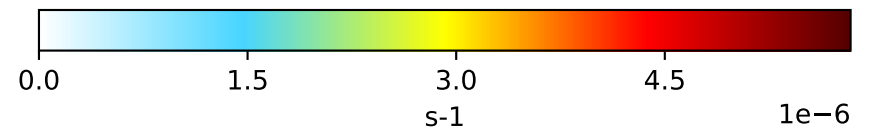
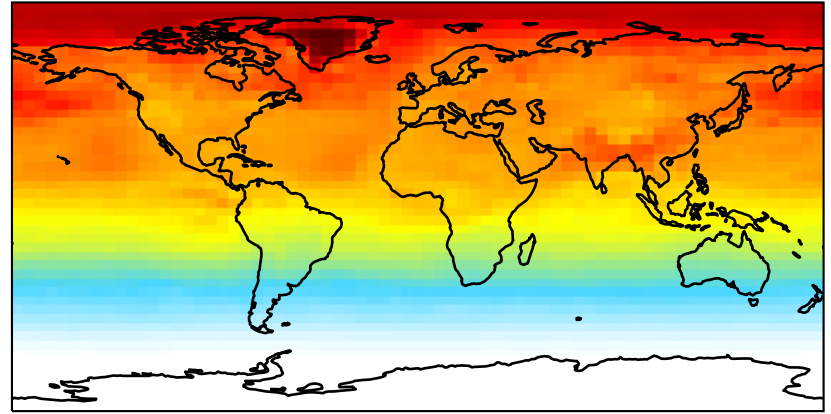


# Jval\_MVKHP

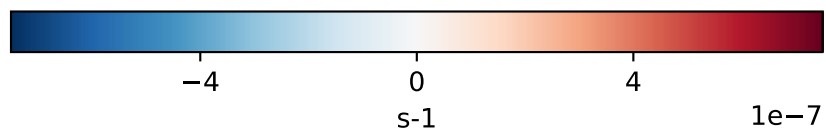
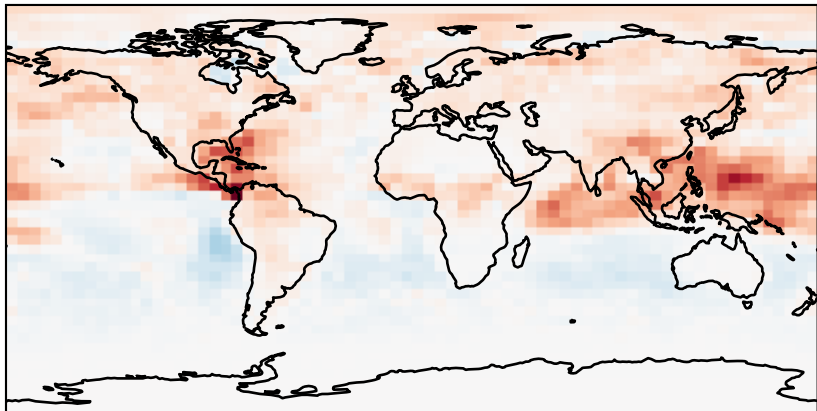
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



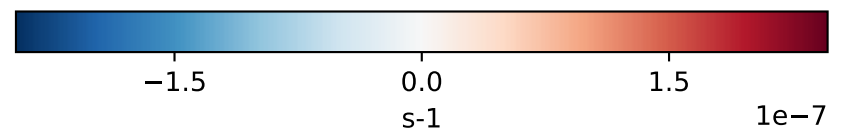
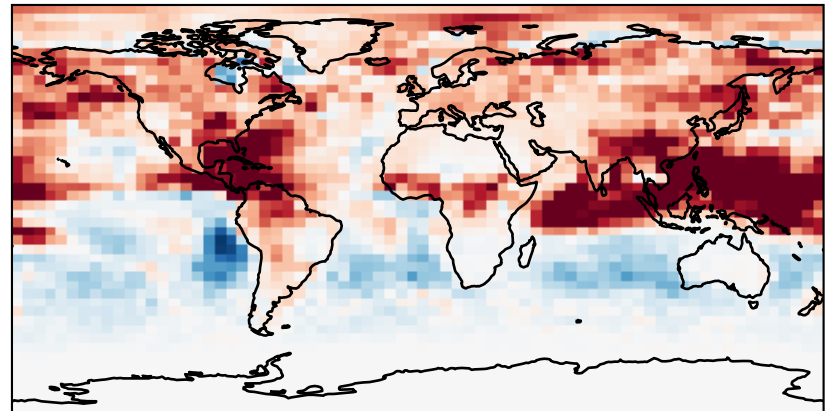
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



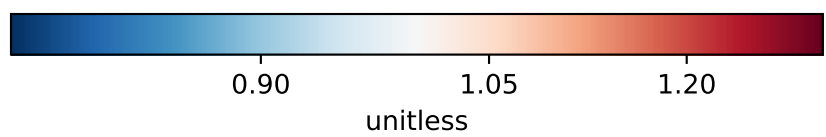
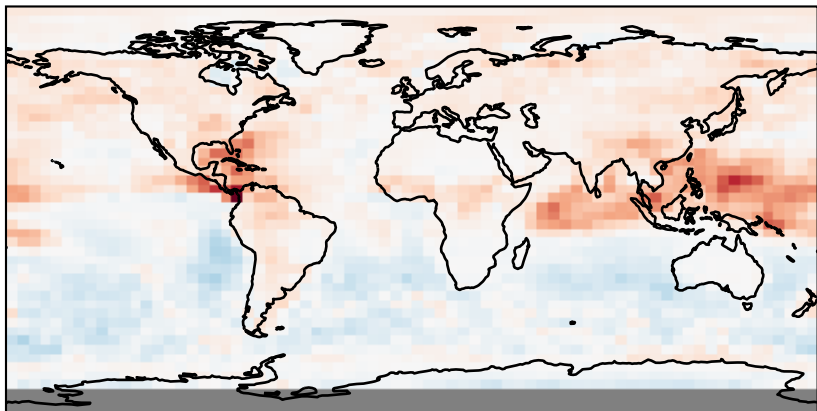
Difference  
Dev - Ref, Dynamic Range



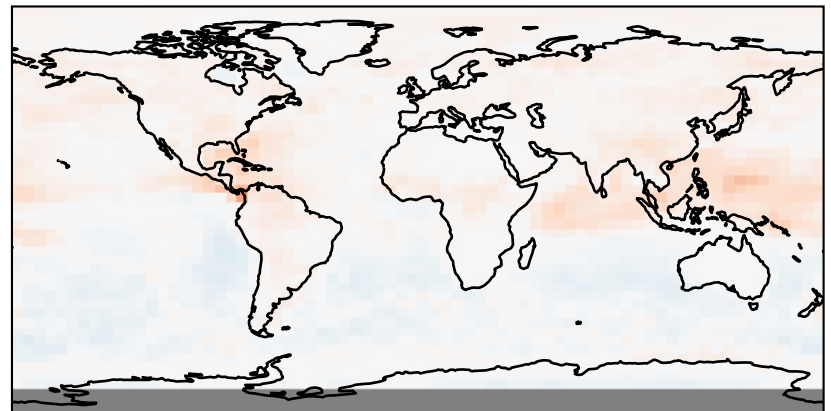
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

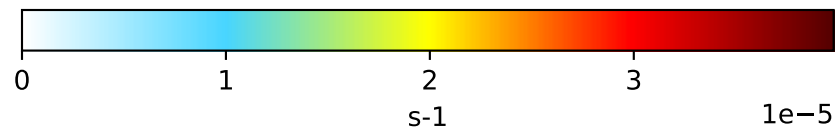
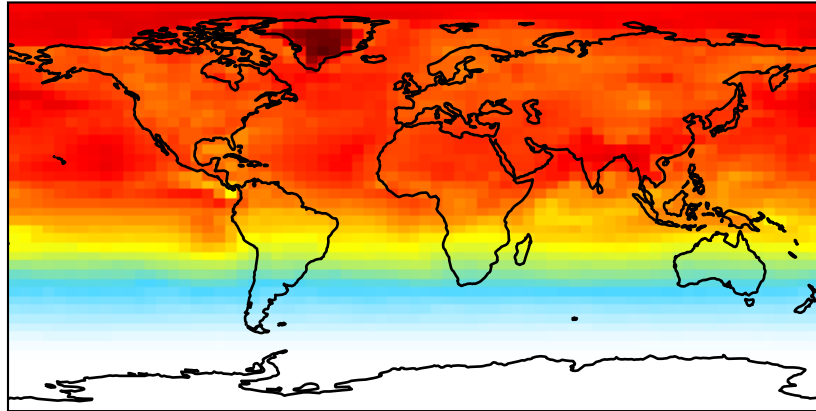


Ratio  
Dev/Ref, Fixed Range

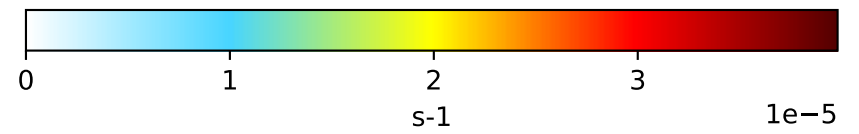
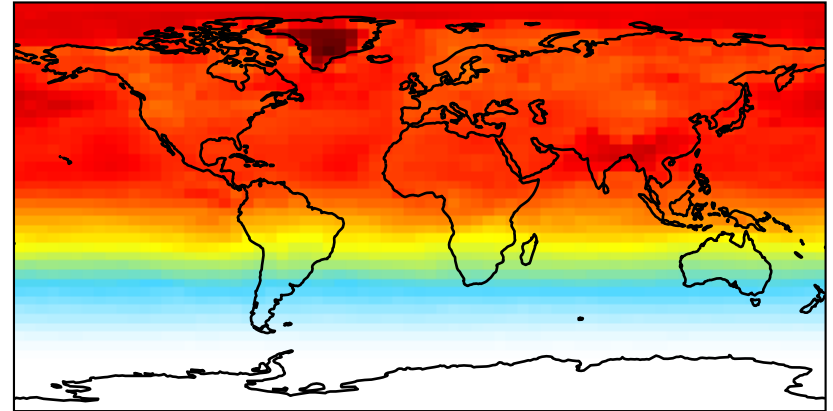


# Jval\_MVKN

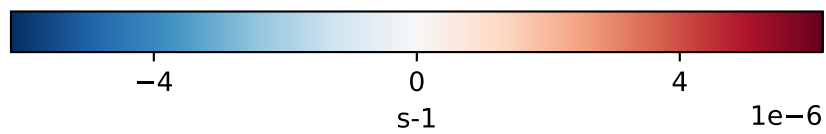
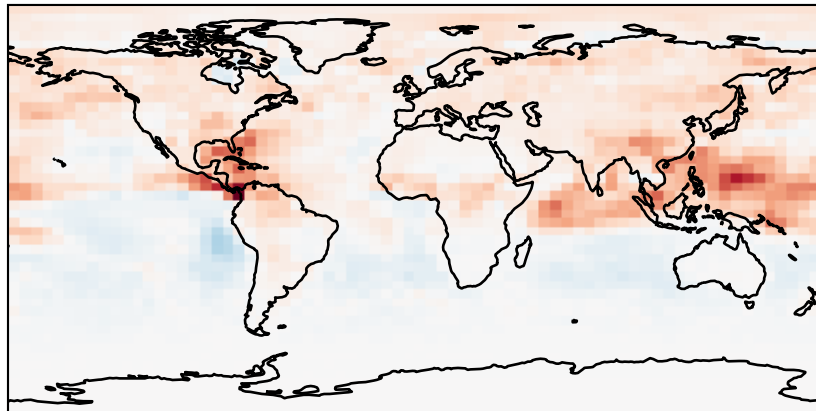
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



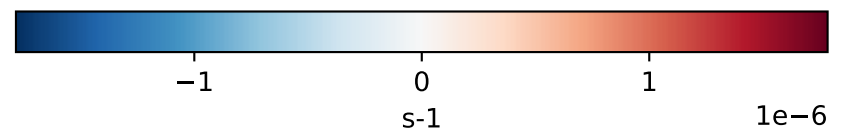
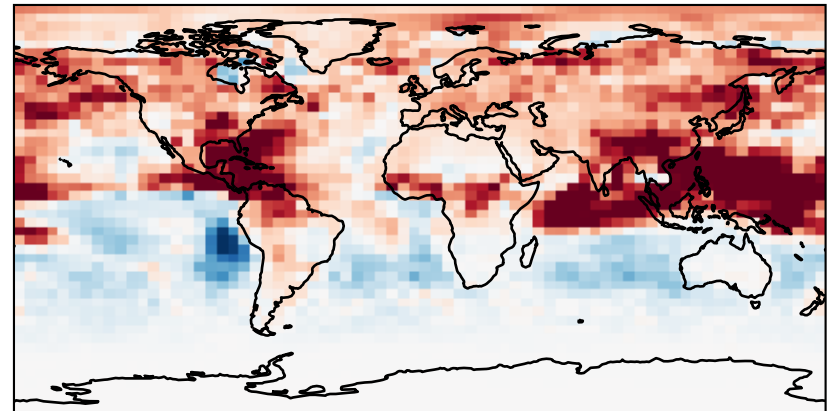
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



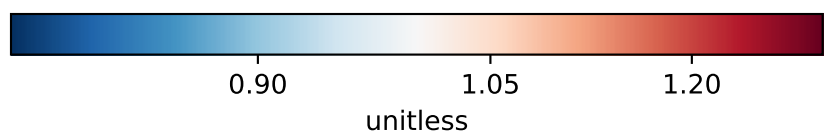
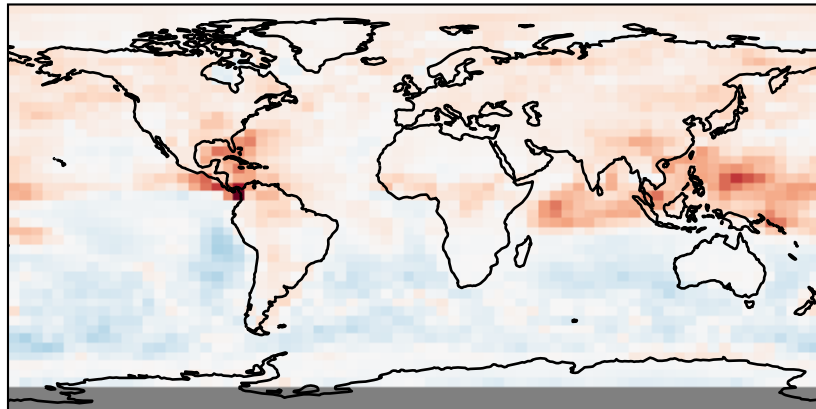
Difference  
Dev - Ref, Dynamic Range



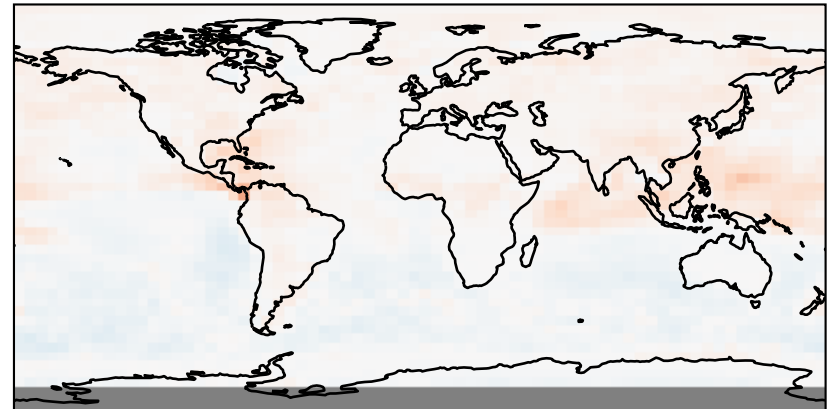
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

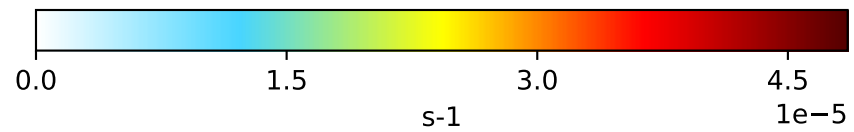
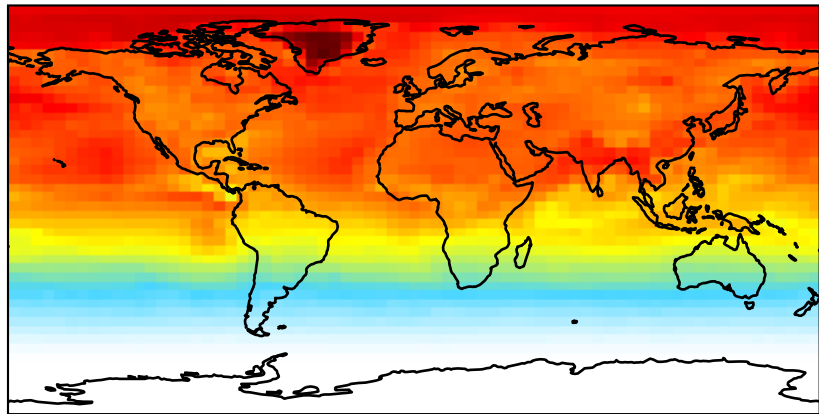


Ratio  
Dev/Ref, Fixed Range

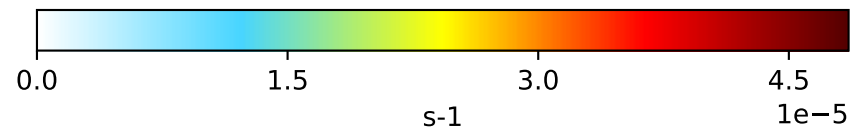
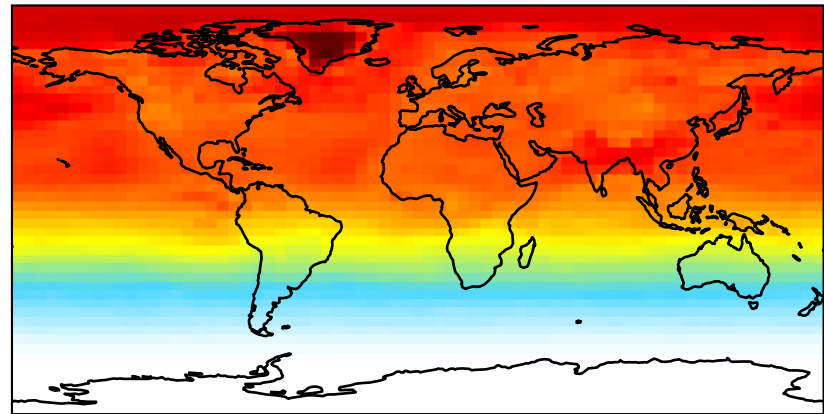


# Jval\_MVKPC

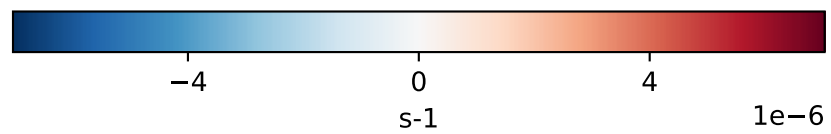
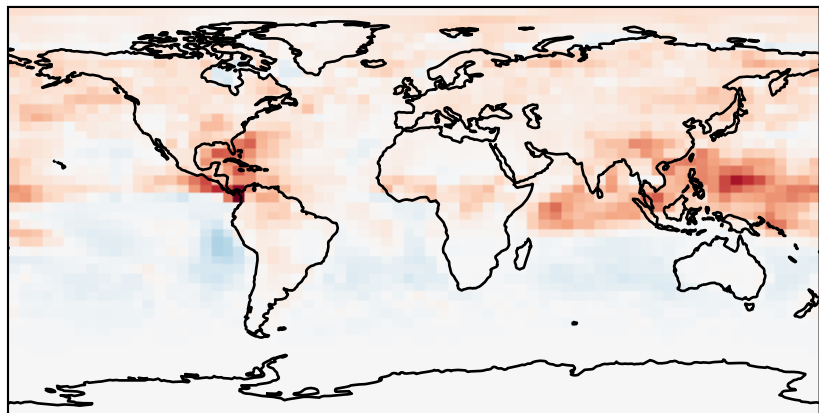
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



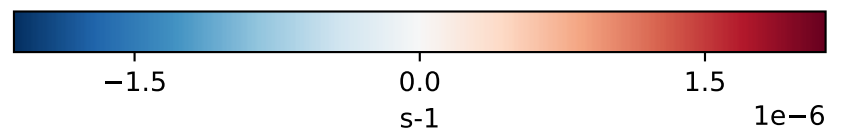
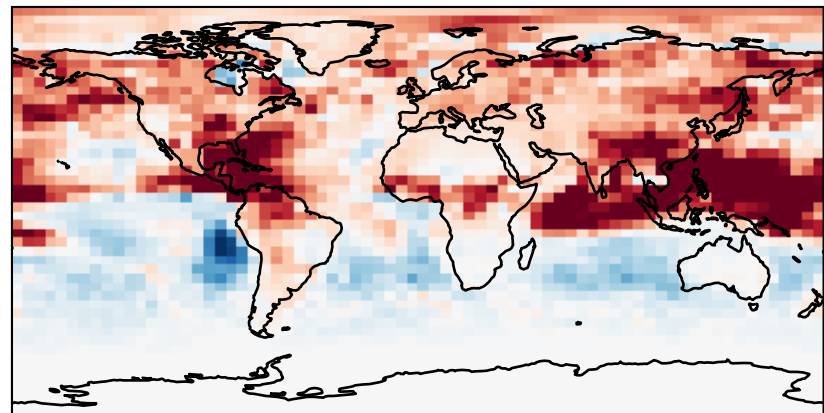
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



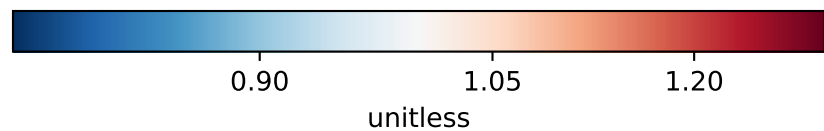
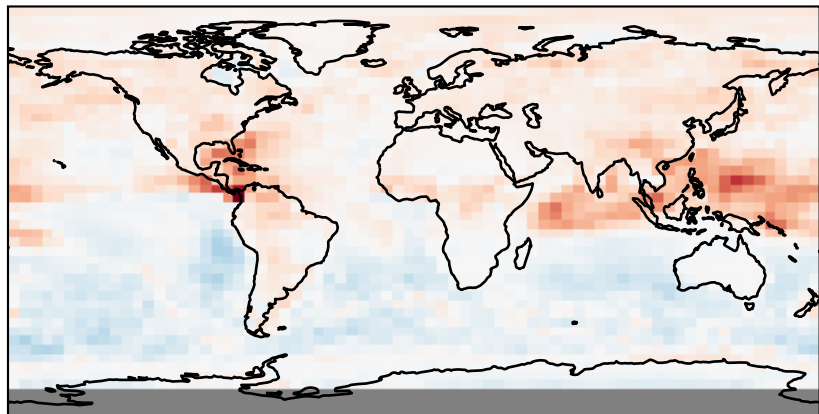
Difference  
Dev - Ref, Dynamic Range



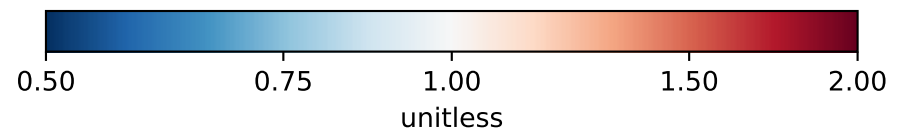
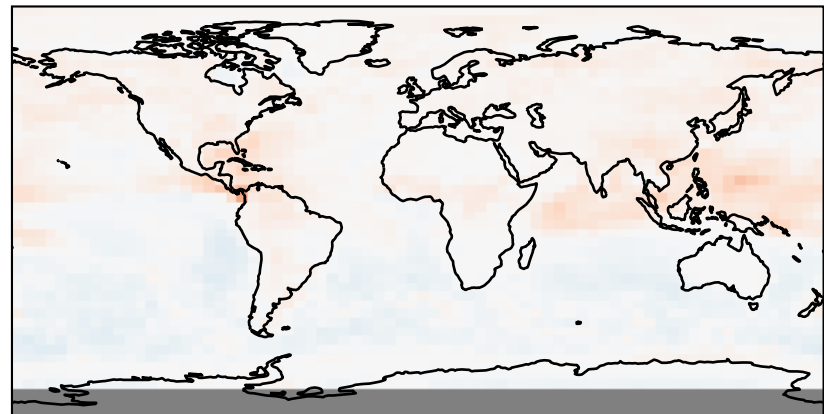
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



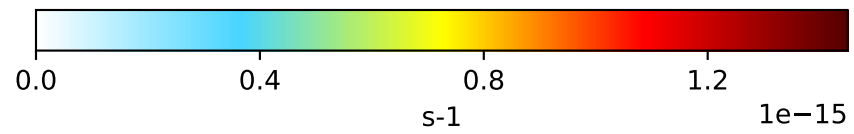
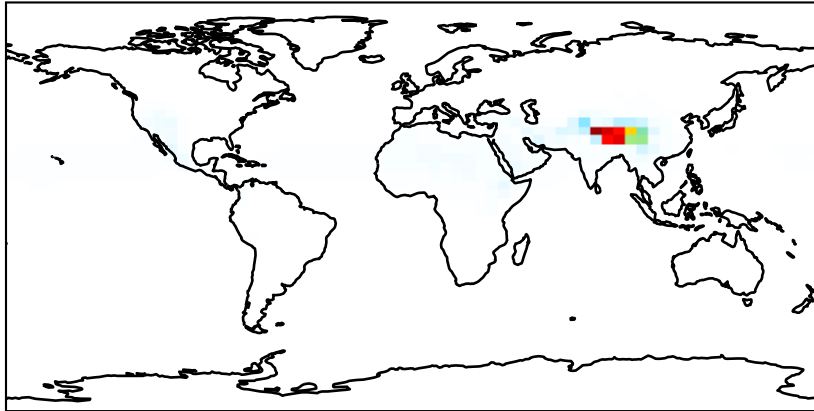
Ratio  
Dev/Ref, Fixed Range



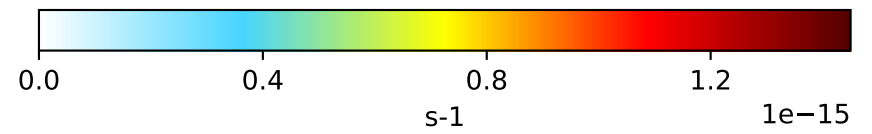
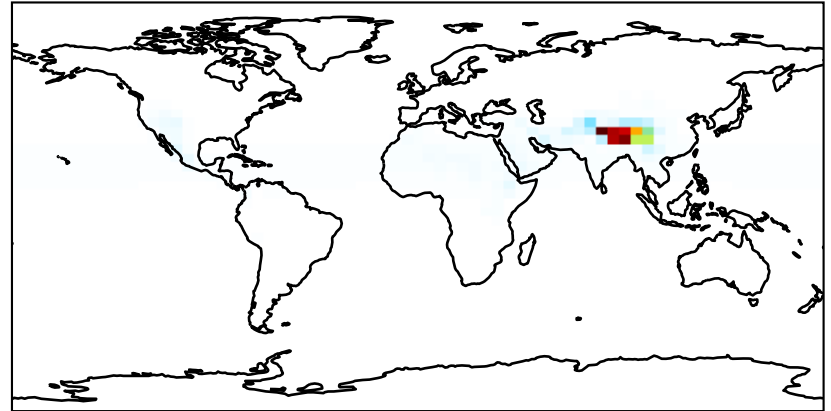


# Jval\_N20

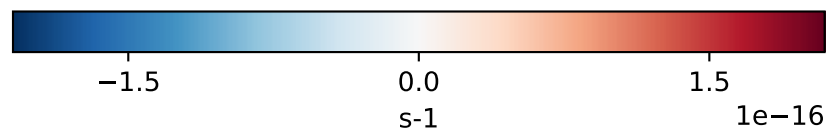
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



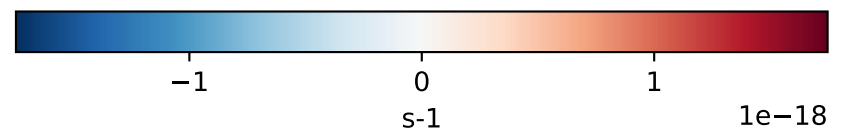
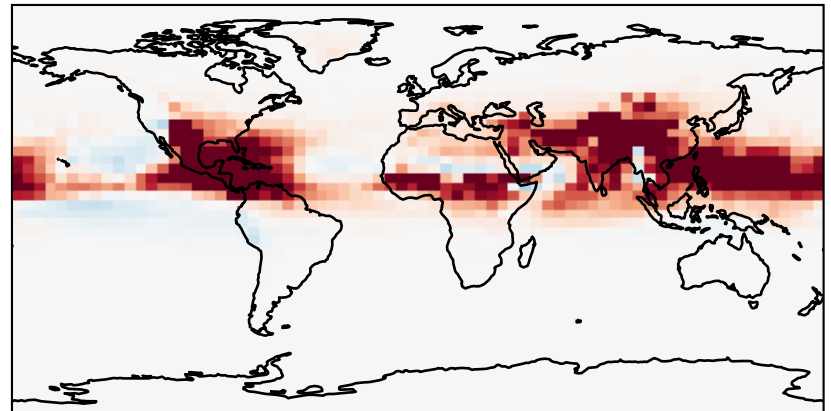
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



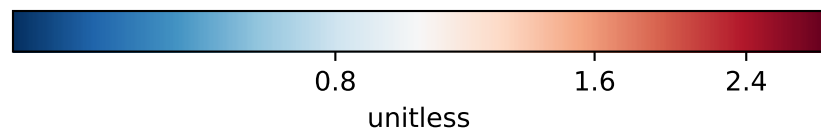
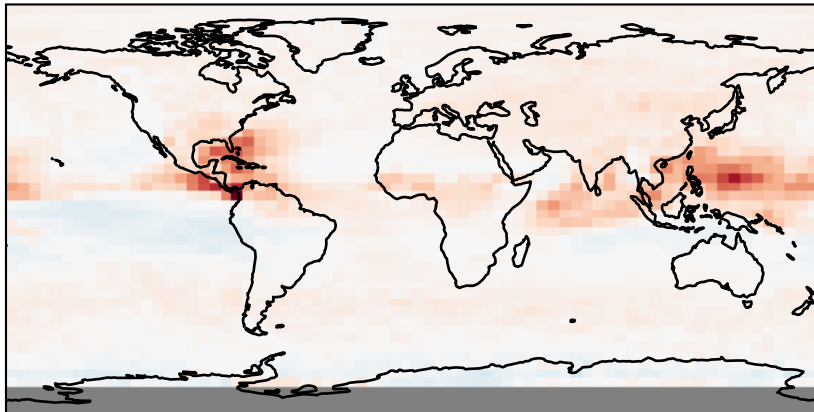
Difference  
Dev - Ref, Dynamic Range



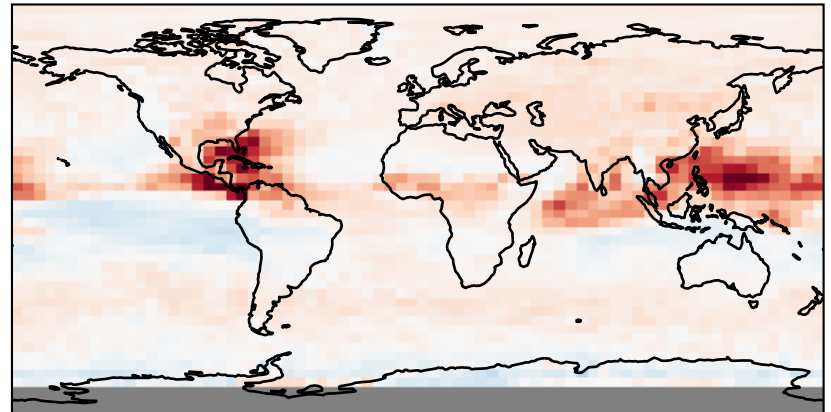
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

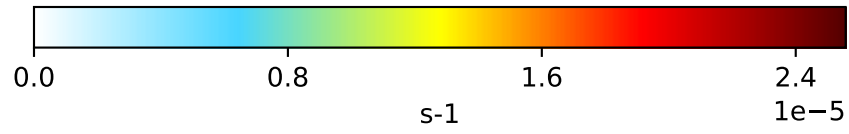
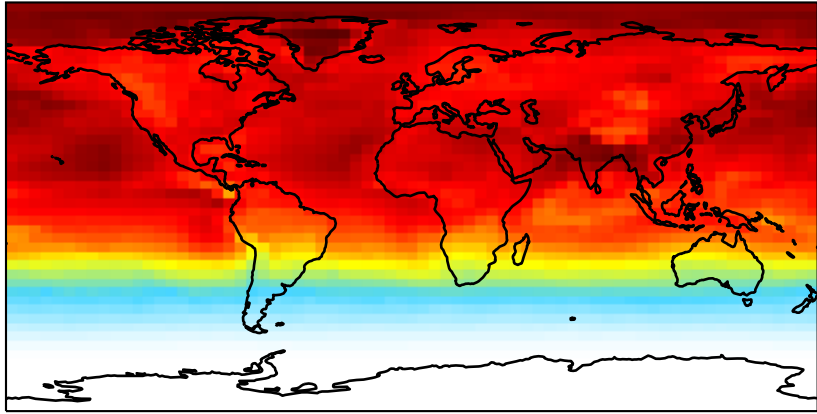


Ratio  
Dev/Ref, Fixed Range

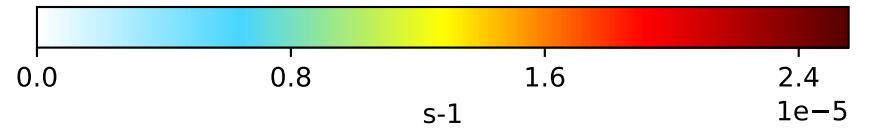
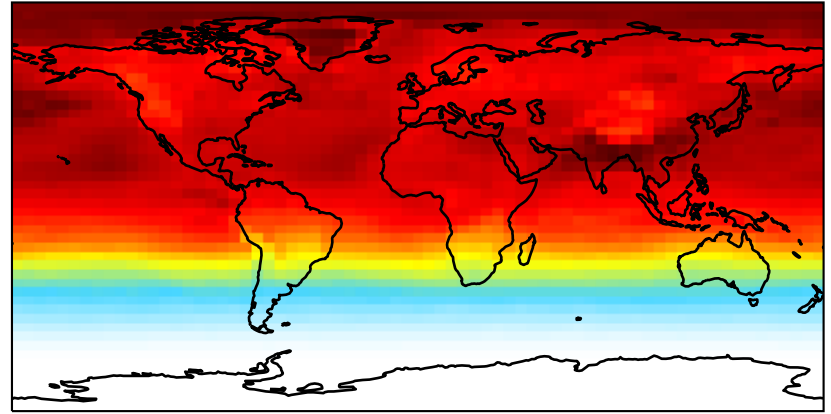


# Jval\_N2005

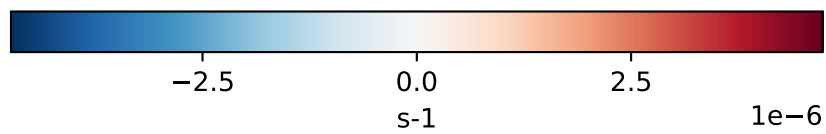
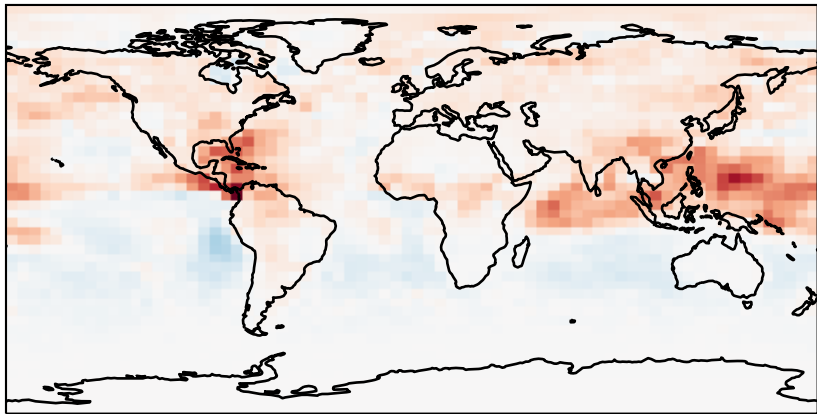
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



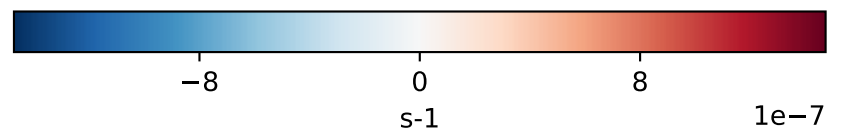
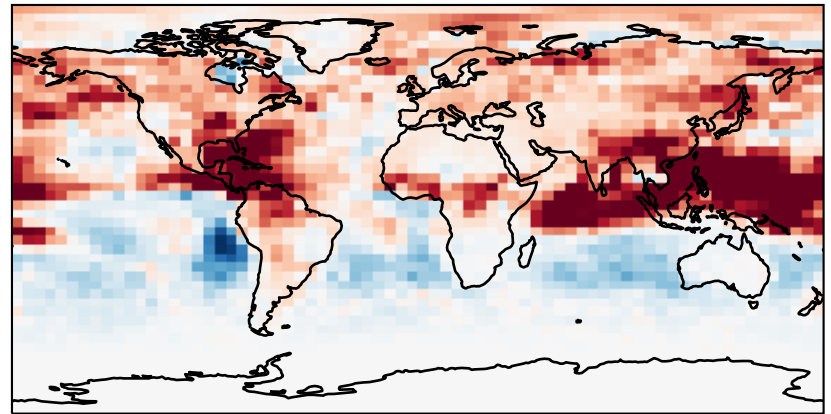
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



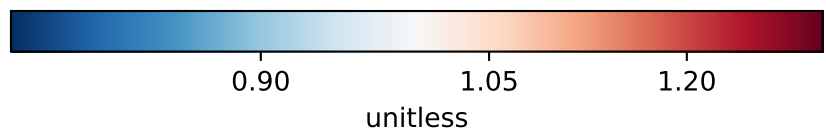
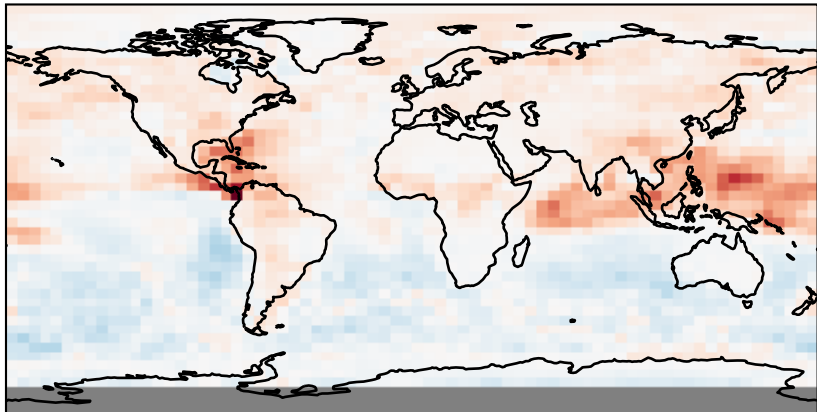
Difference  
Dev - Ref, Dynamic Range



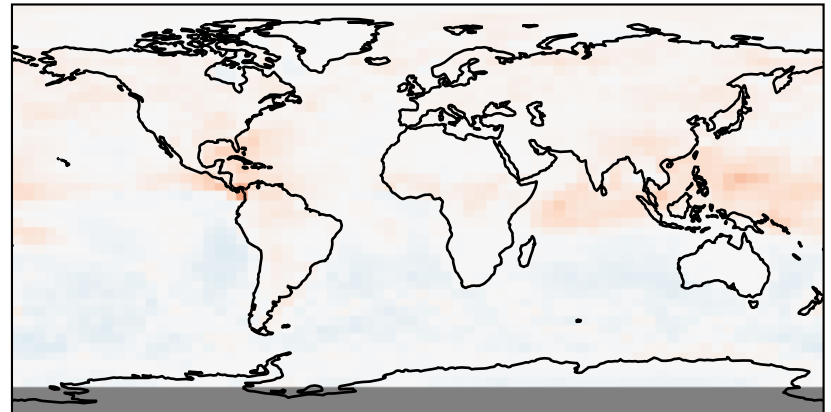
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

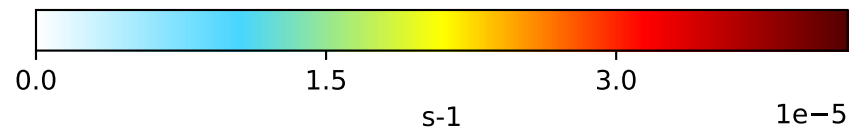
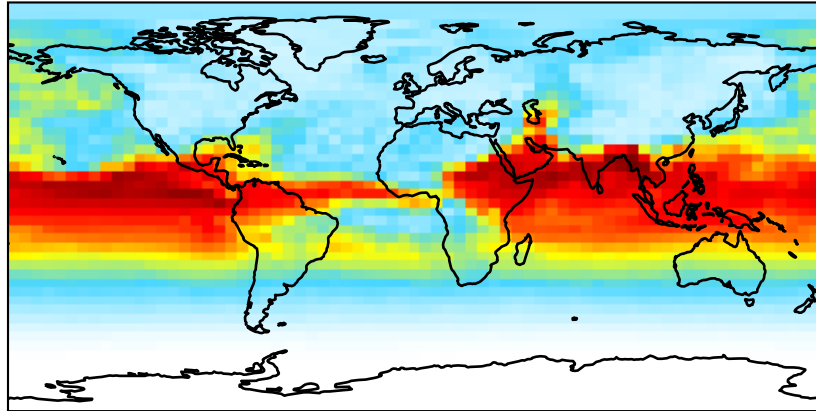


Ratio  
Dev/Ref, Fixed Range

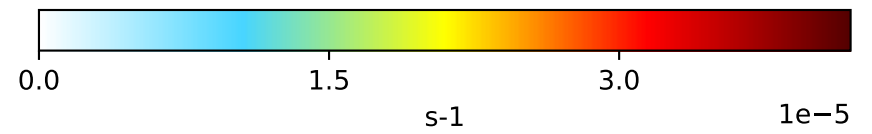
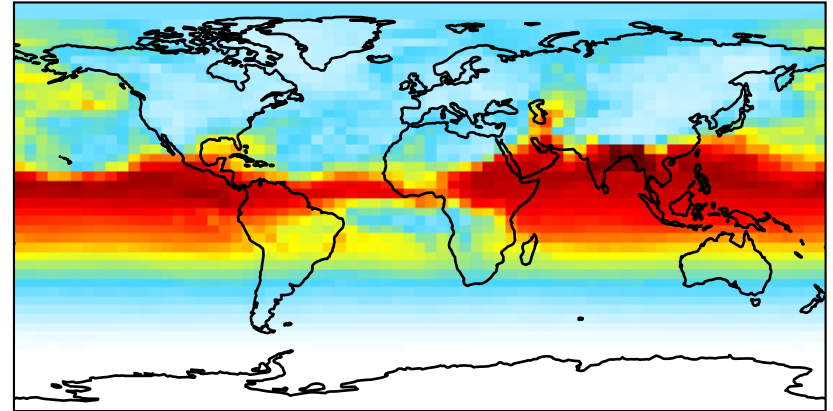


# Jval\_NIT

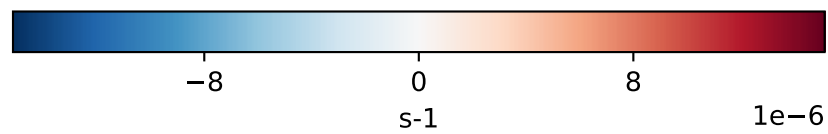
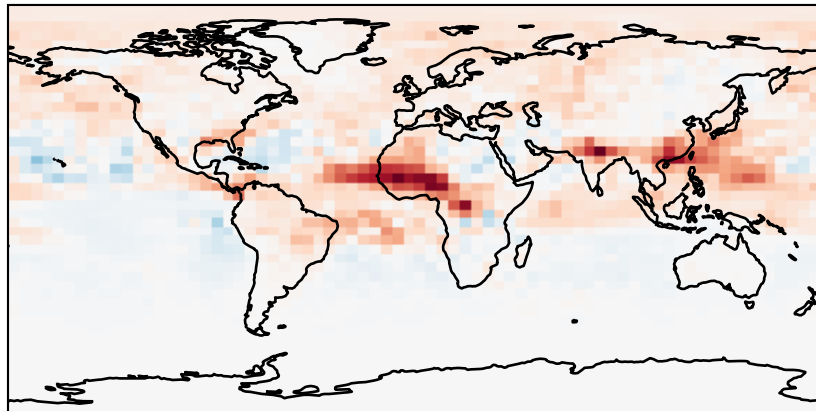
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



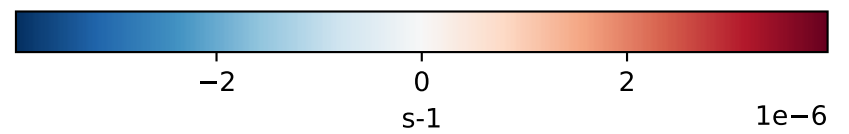
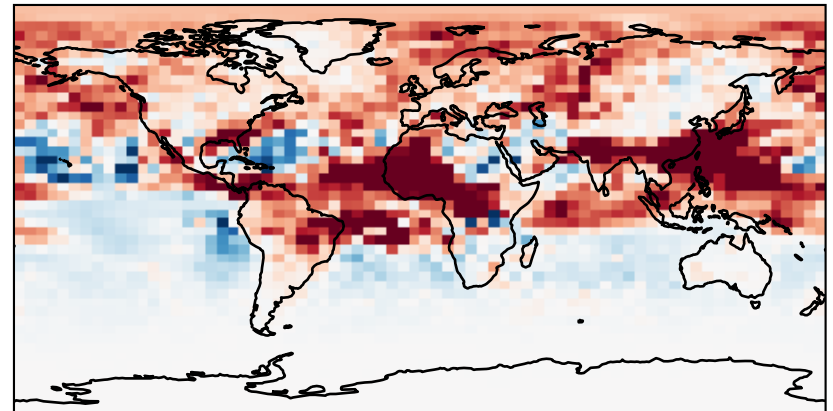
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



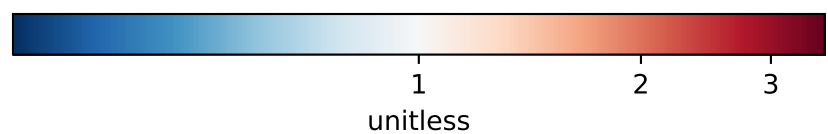
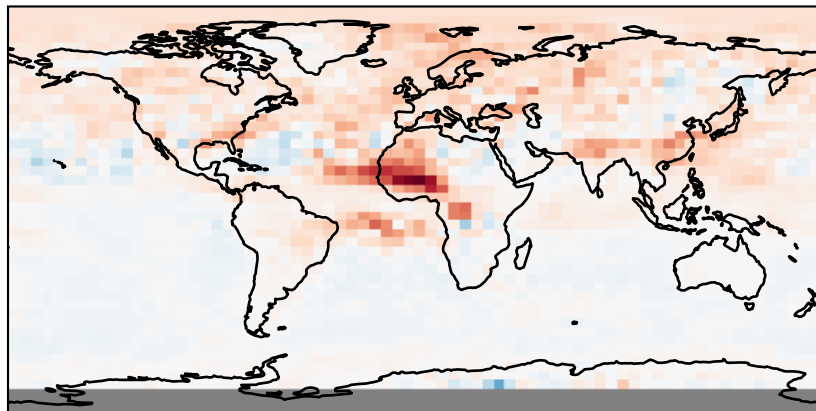
Difference  
Dev - Ref, Dynamic Range



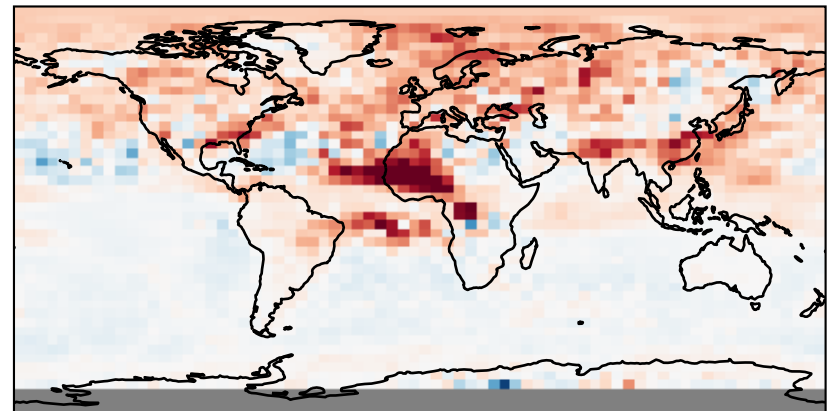
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

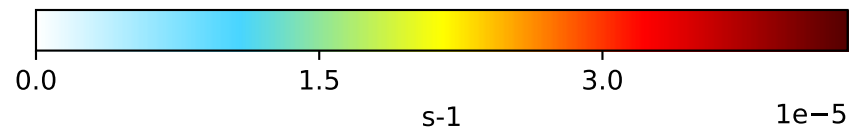
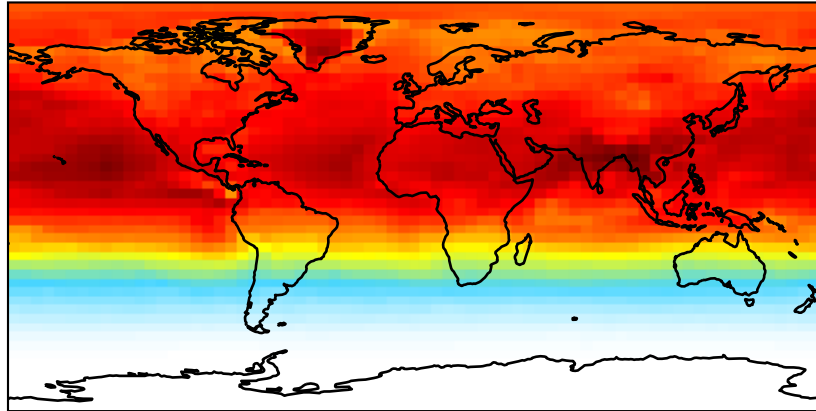


Ratio  
Dev/Ref, Fixed Range

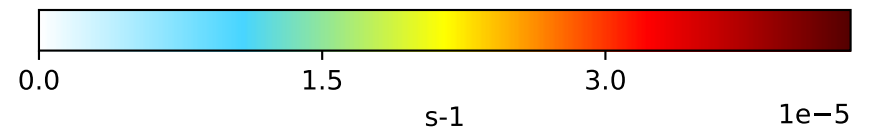
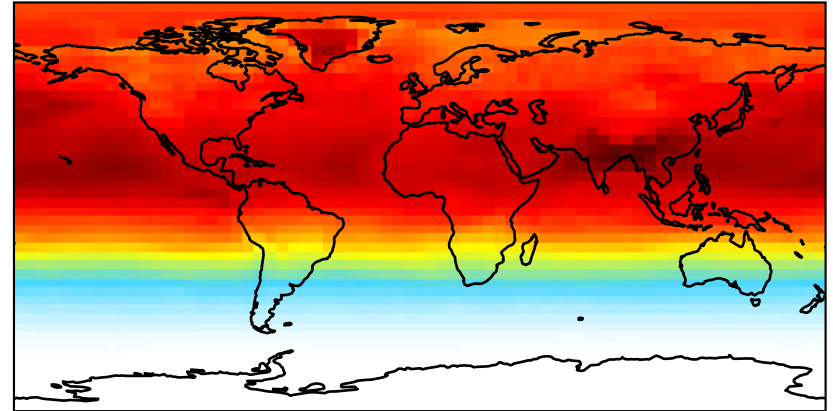


# Jval\_NITs

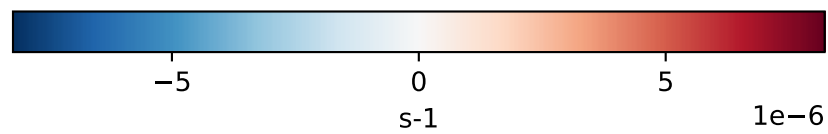
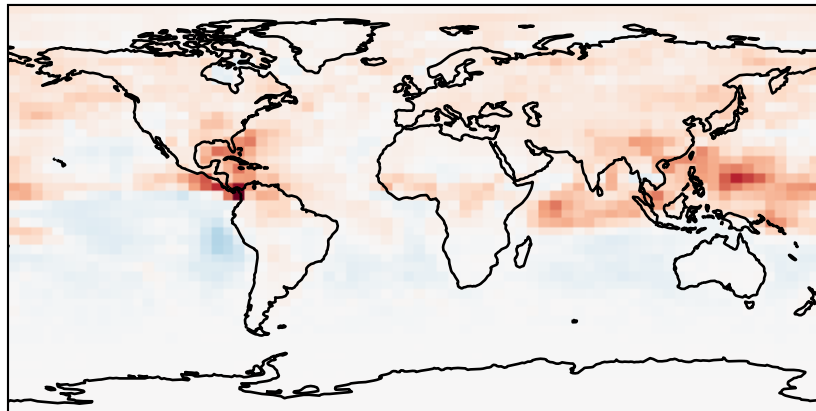
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



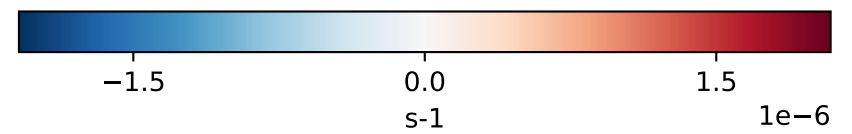
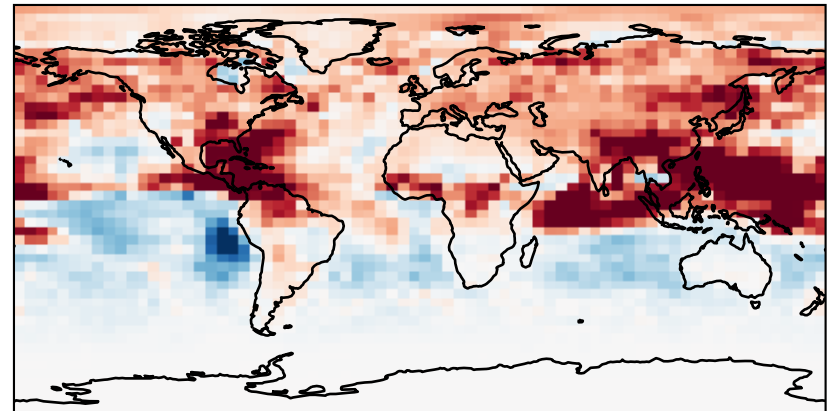
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



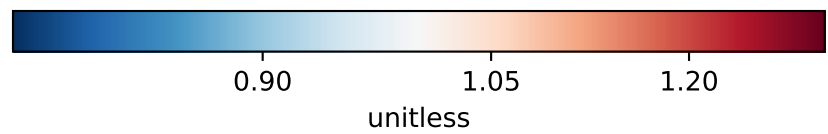
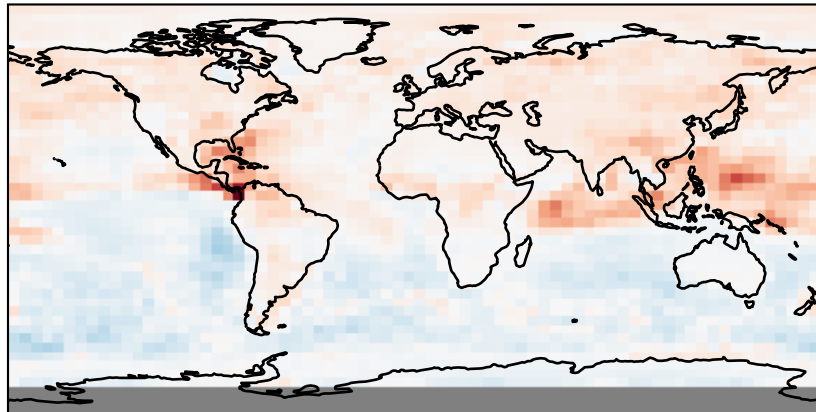
Difference  
Dev - Ref, Dynamic Range



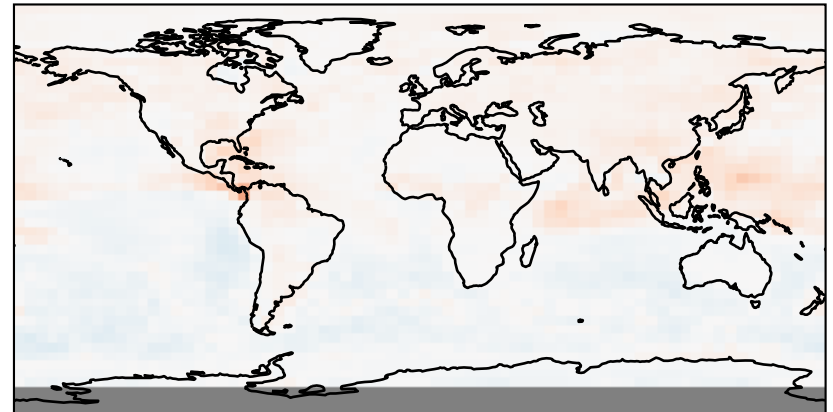
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

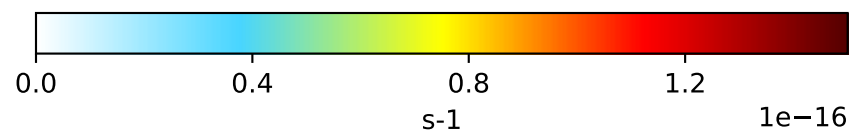
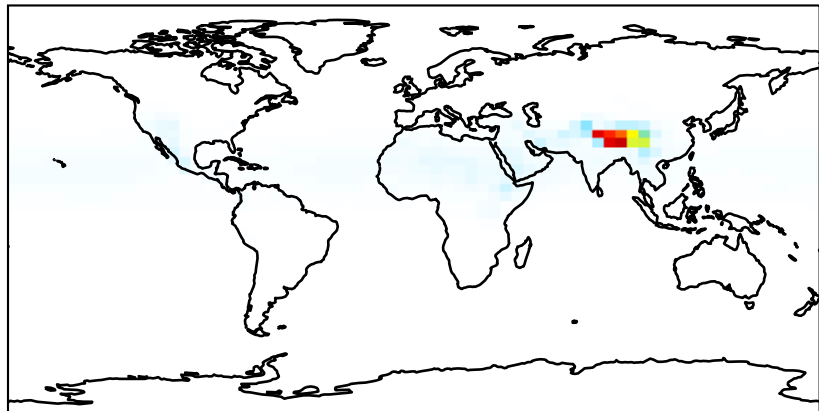


Ratio  
Dev/Ref, Fixed Range

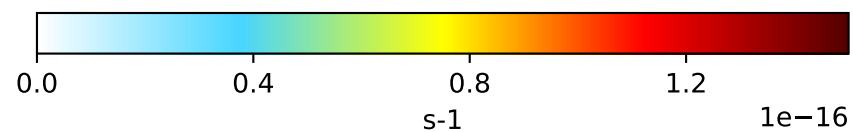


# Jval\_NO

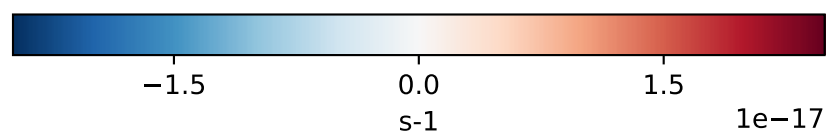
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



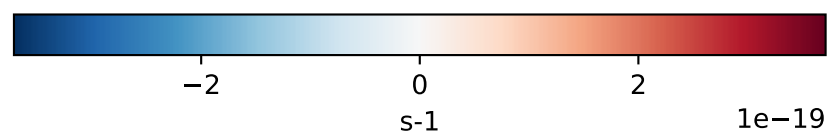
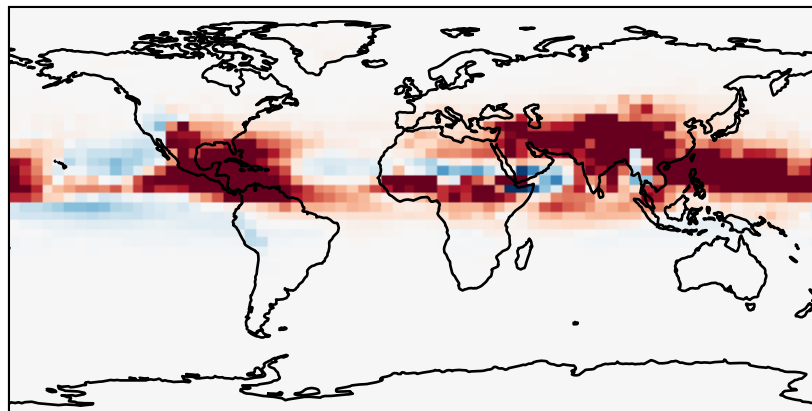
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



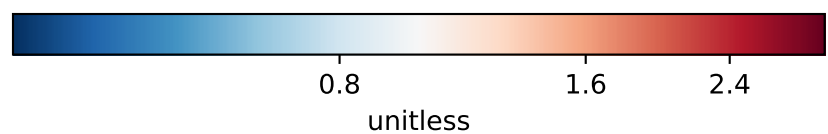
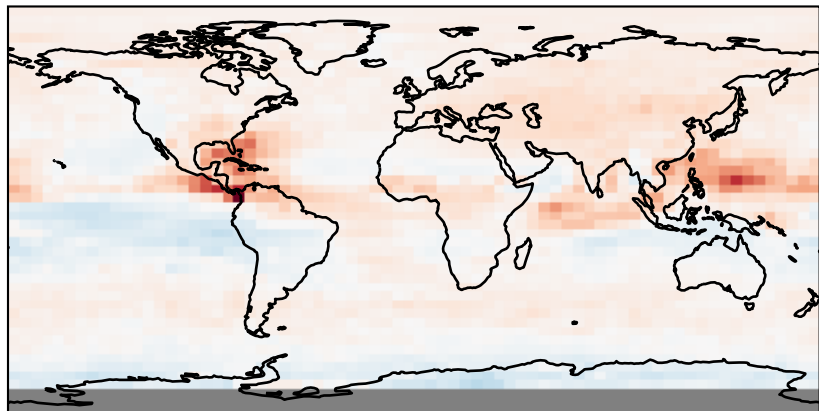
Difference  
Dev - Ref, Dynamic Range



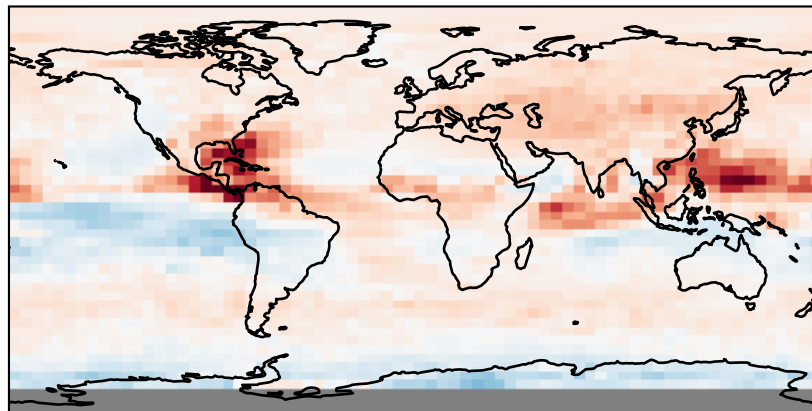
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

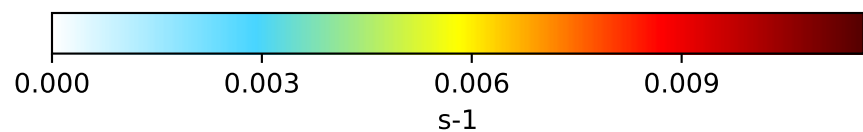
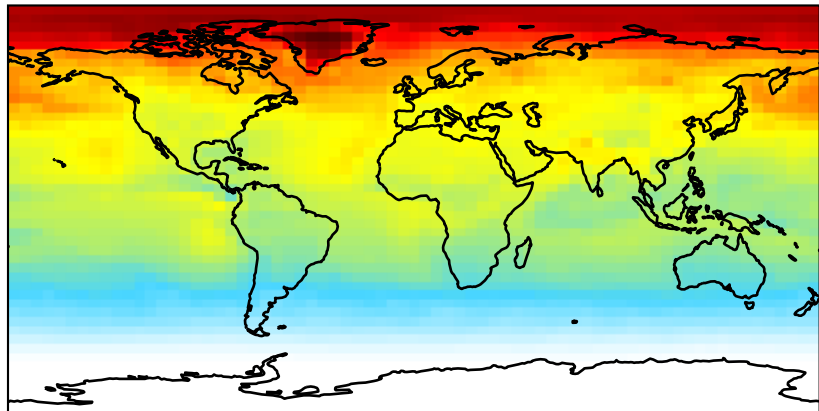


Ratio  
Dev/Ref, Fixed Range

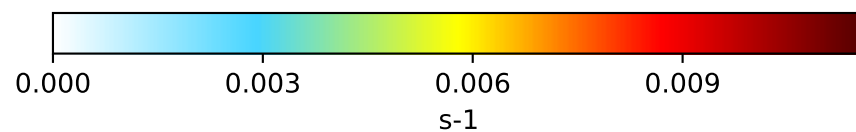
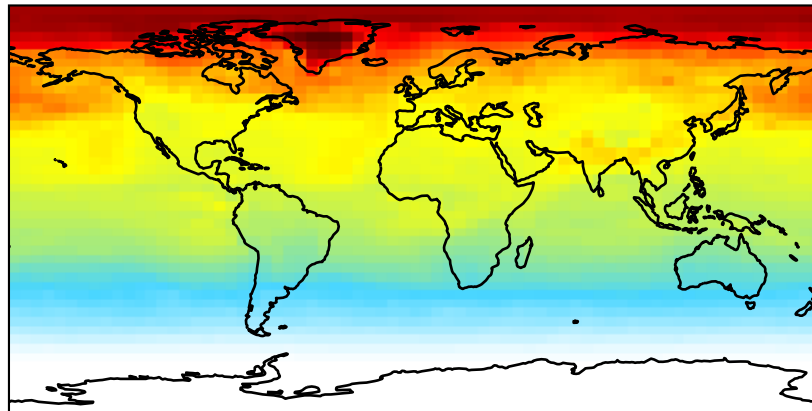


# Jval\_NO2

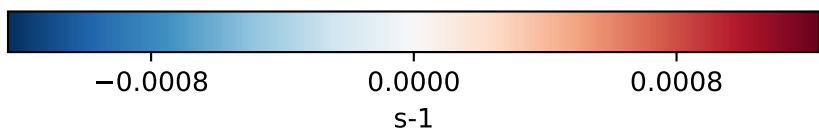
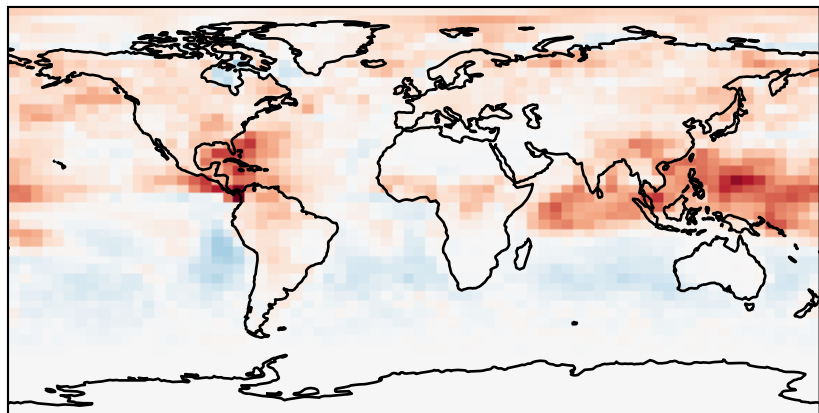
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



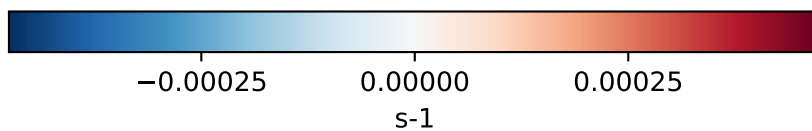
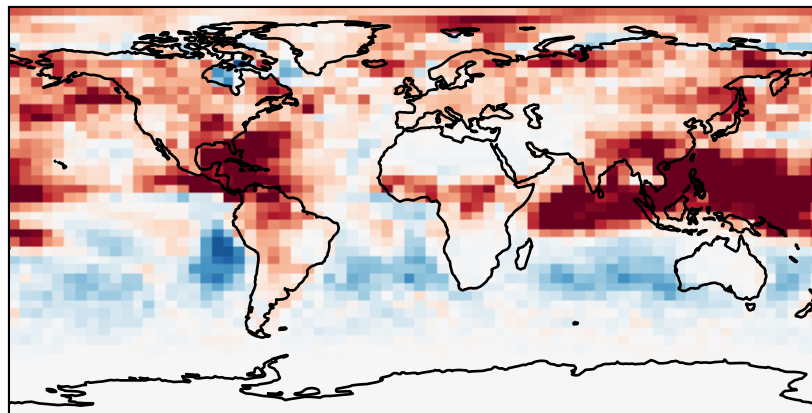
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



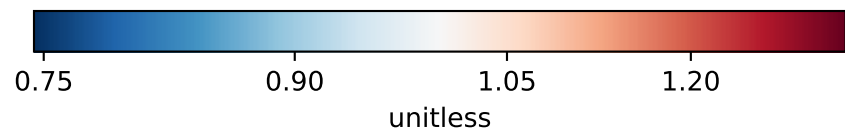
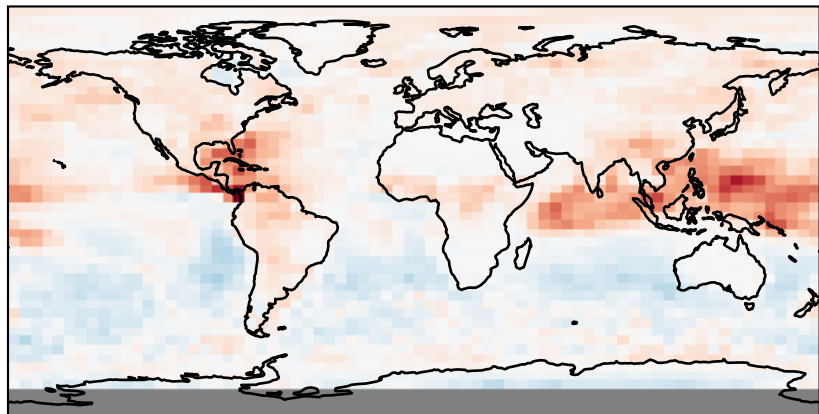
Difference  
Dev - Ref, Dynamic Range



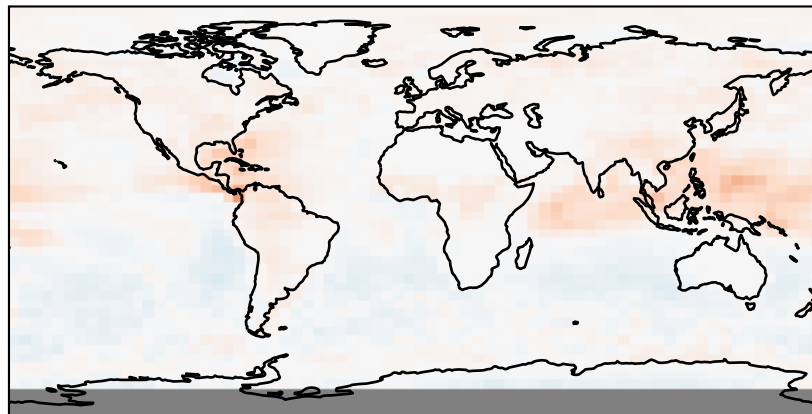
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

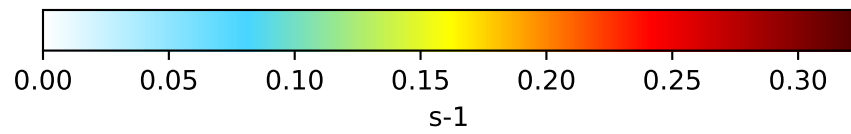
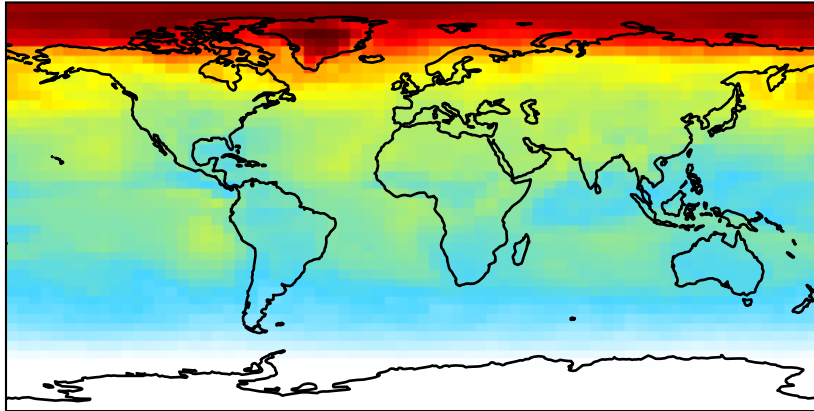


Ratio  
Dev/Ref, Fixed Range

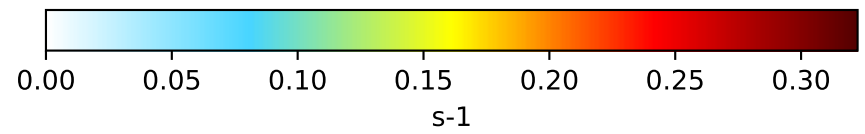
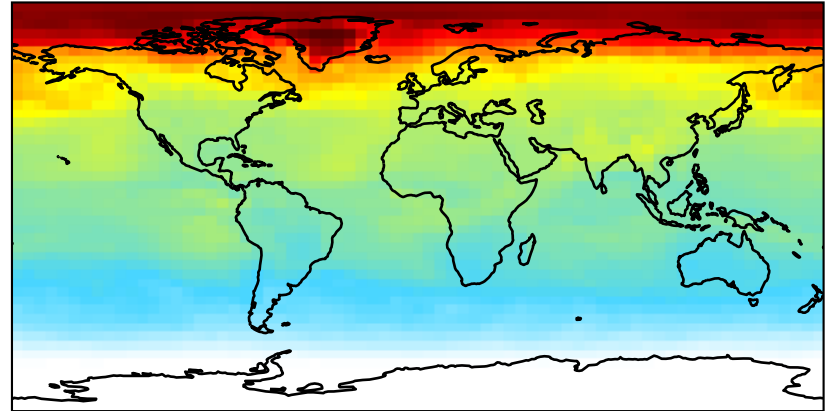


# Jval\_NO3

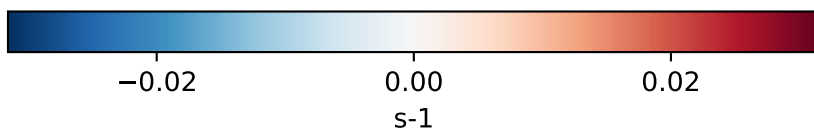
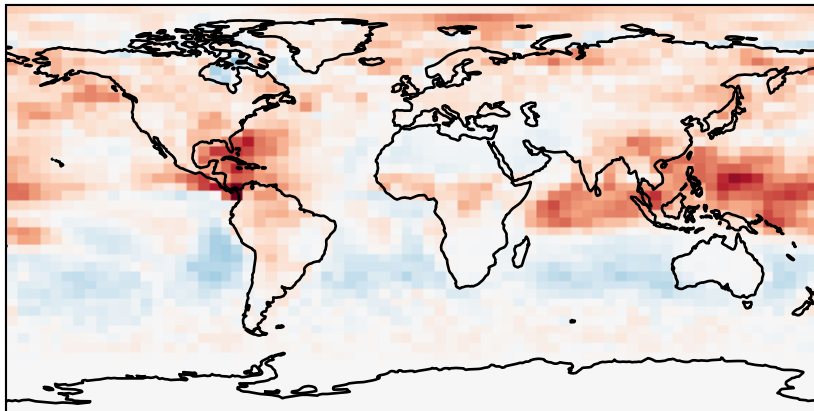
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



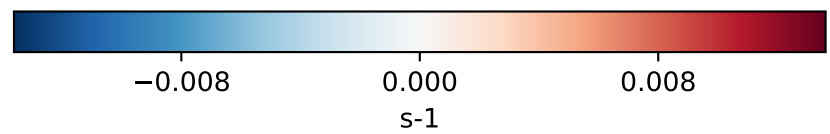
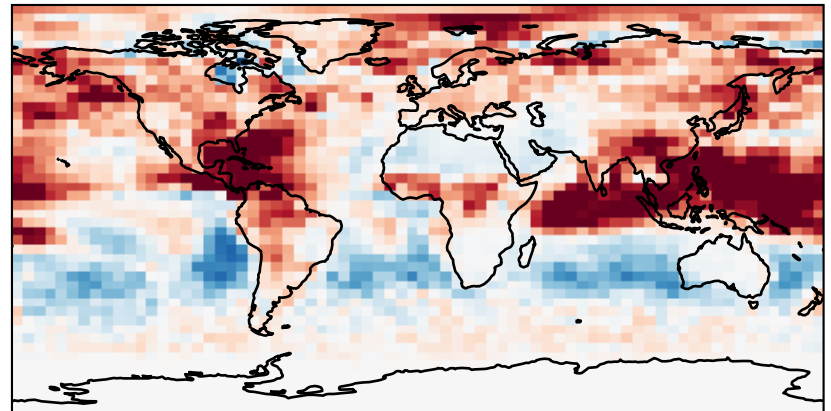
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



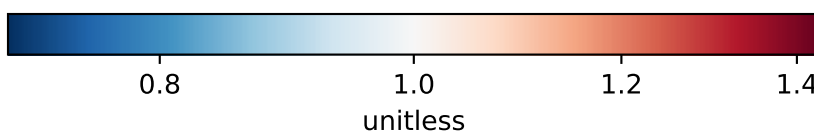
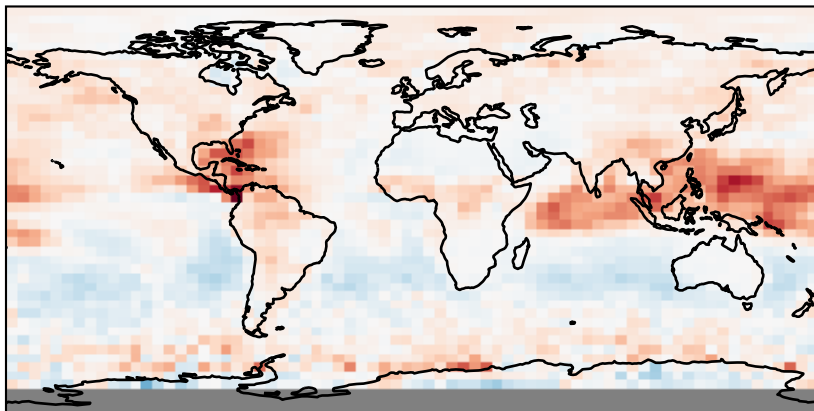
Difference  
Dev - Ref, Dynamic Range



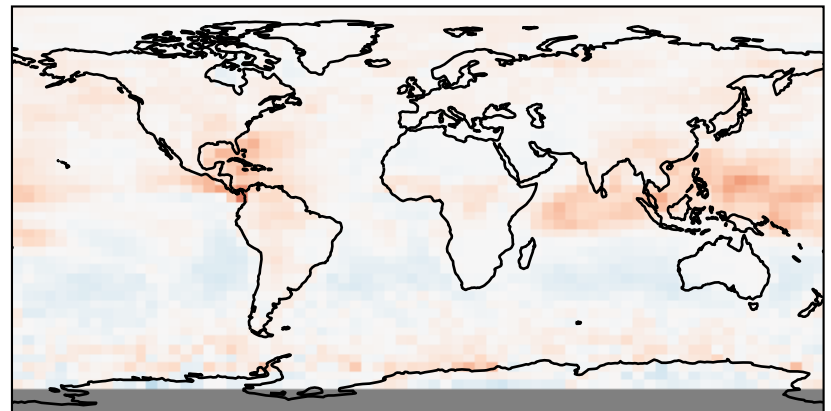
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

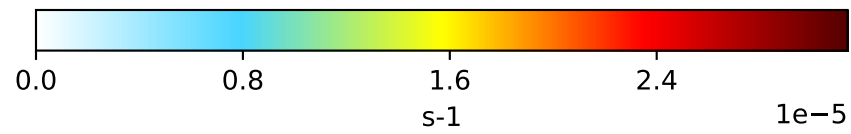
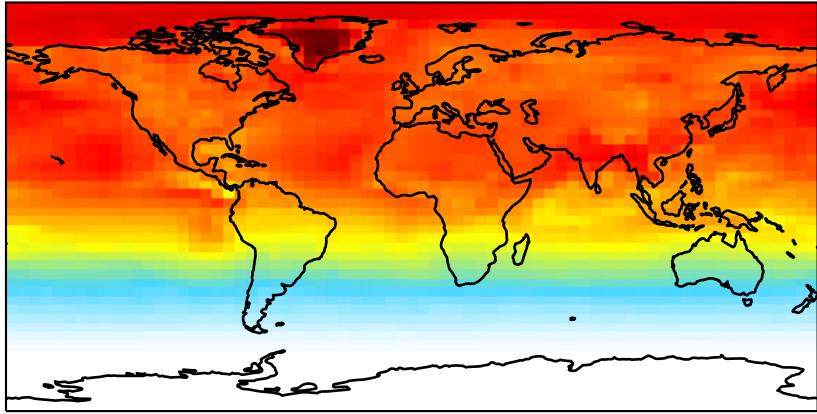


Ratio  
Dev/Ref, Fixed Range

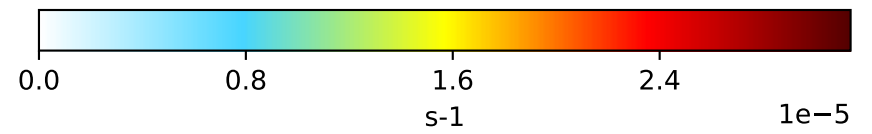
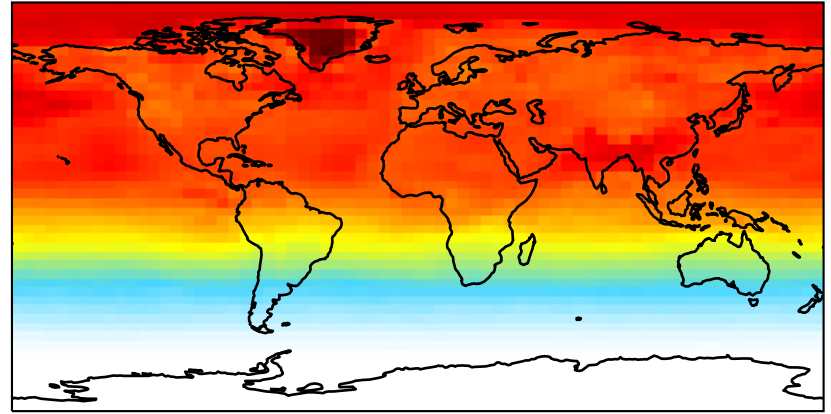


# Jval\_NPHEN

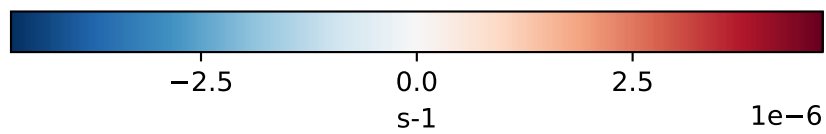
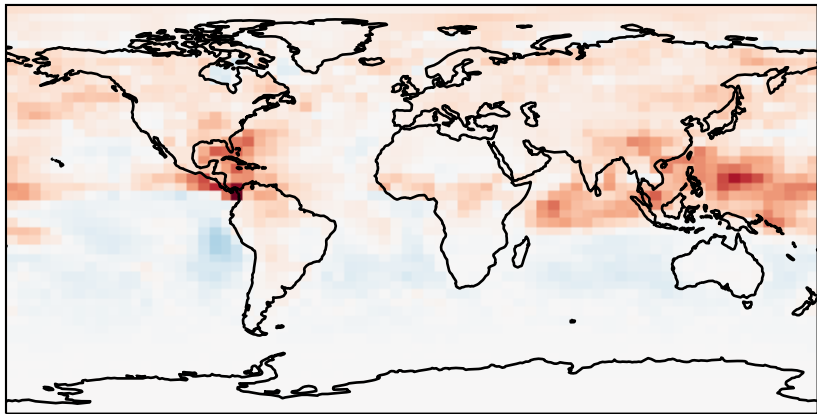
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



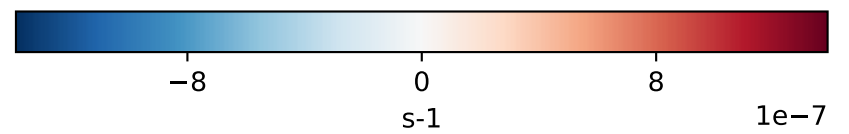
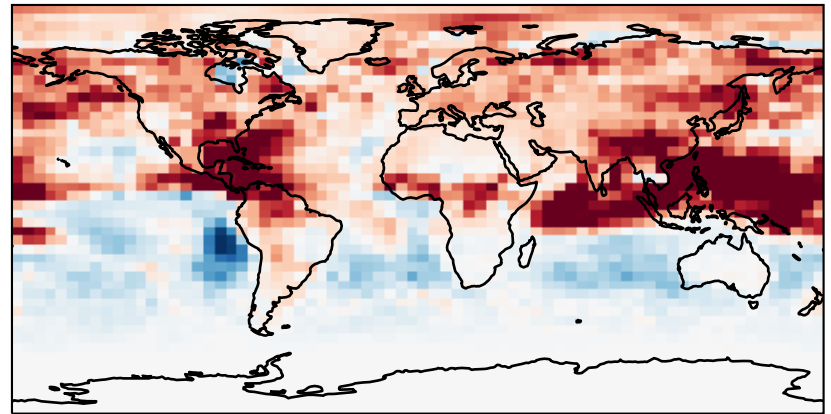
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



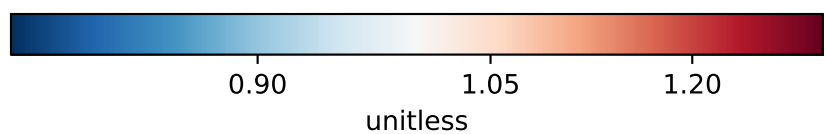
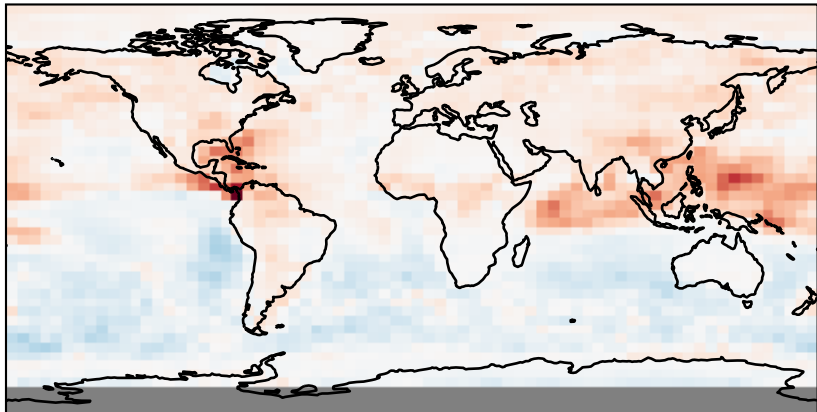
Difference  
Dev - Ref, Dynamic Range



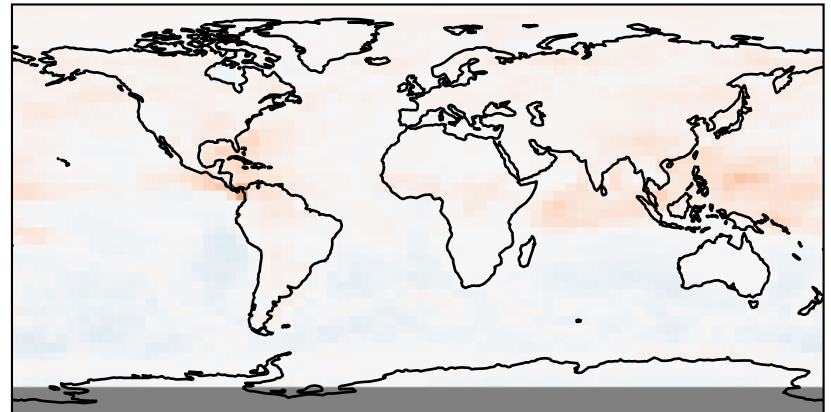
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



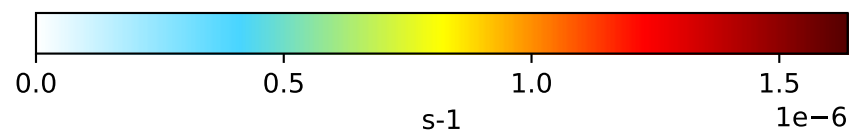
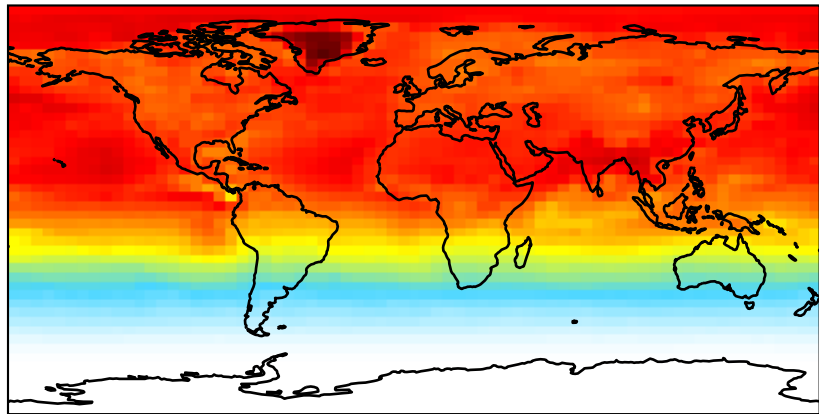
Ratio  
Dev/Ref, Fixed Range



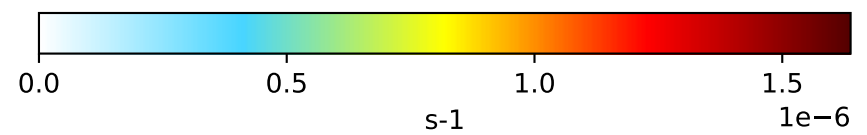
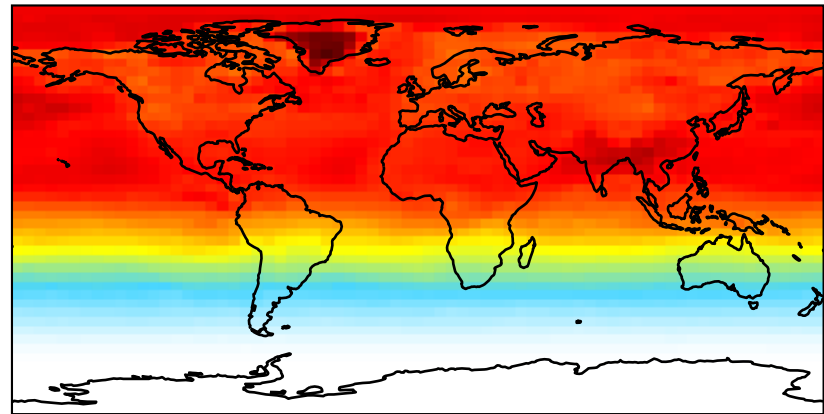


# Jval\_NPRNO3

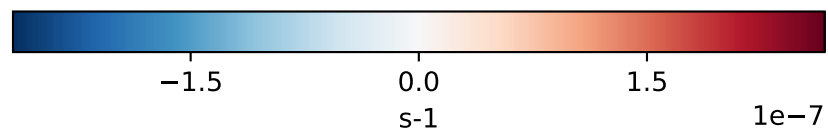
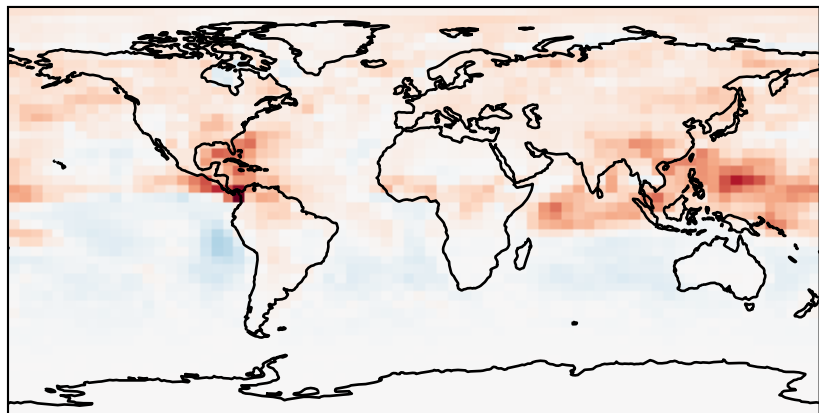
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



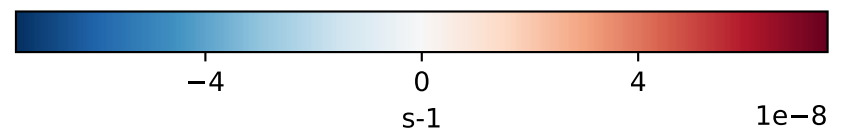
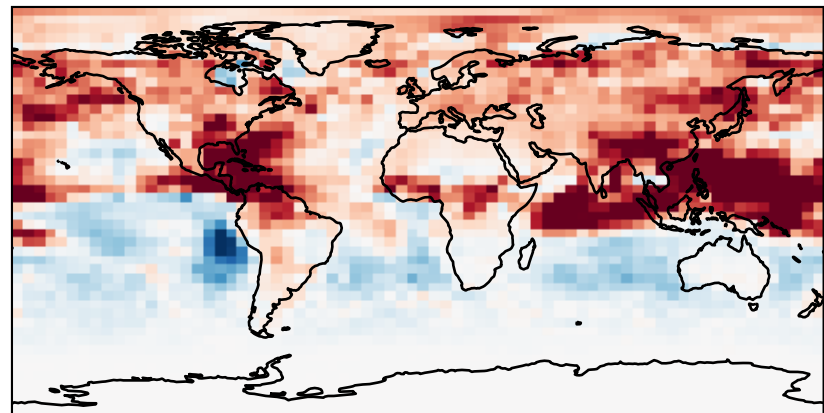
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



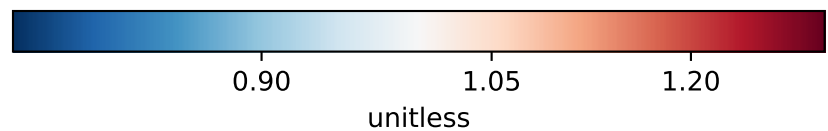
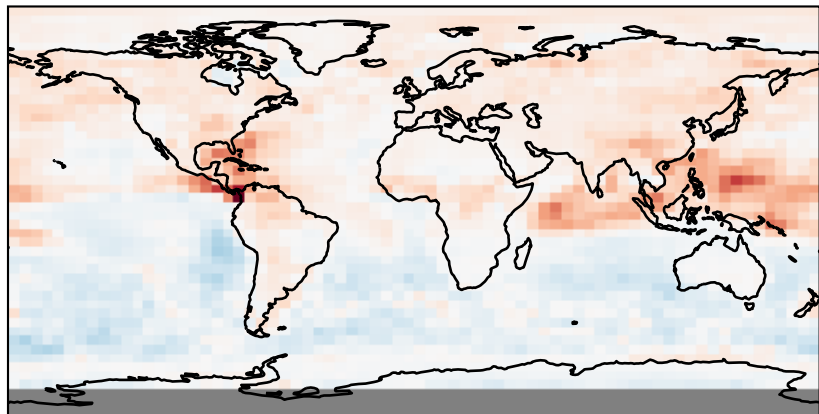
Difference  
Dev - Ref, Dynamic Range



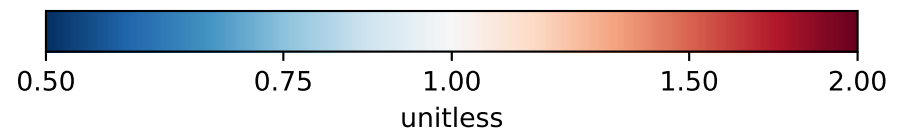
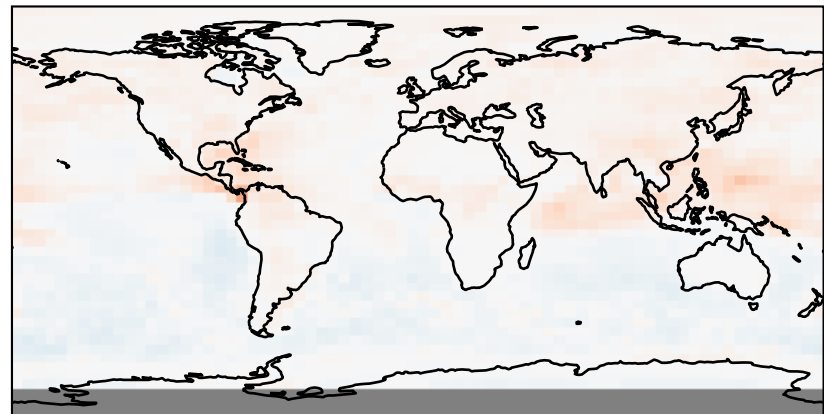
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

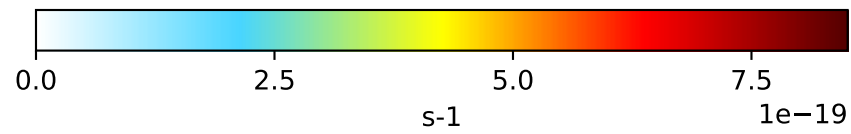
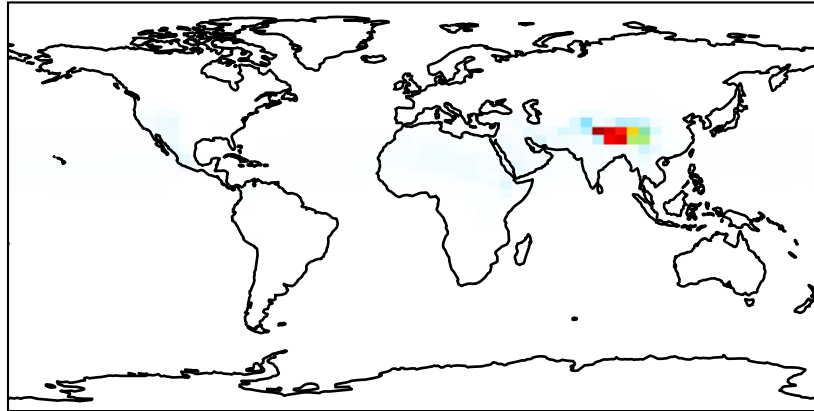


Ratio  
Dev/Ref, Fixed Range

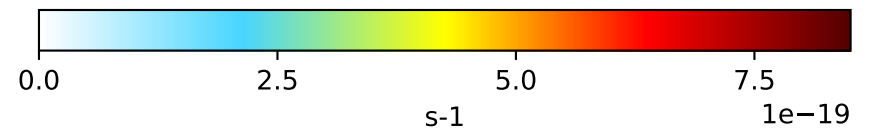
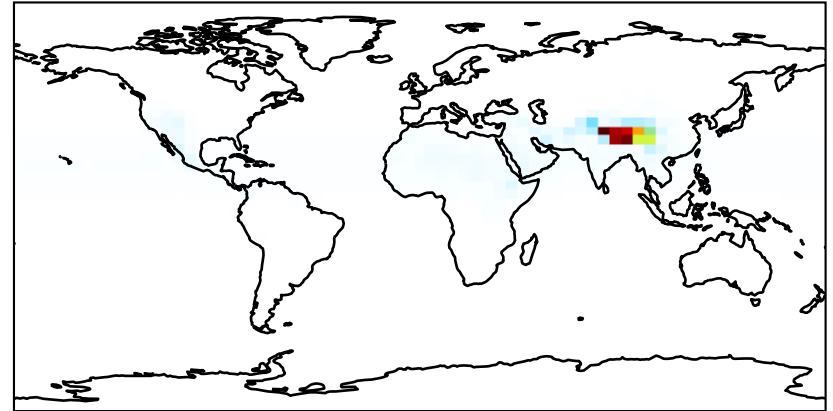


# Jval\_02

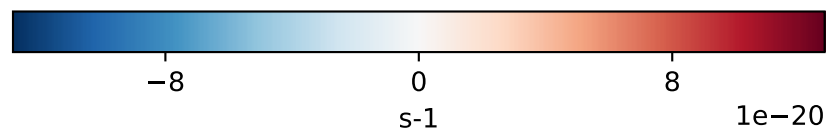
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



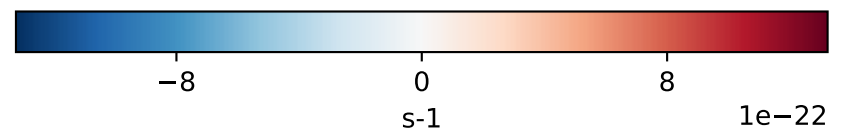
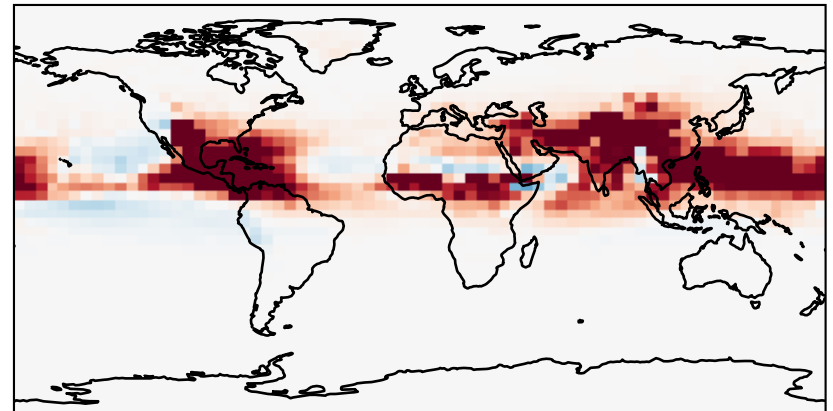
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



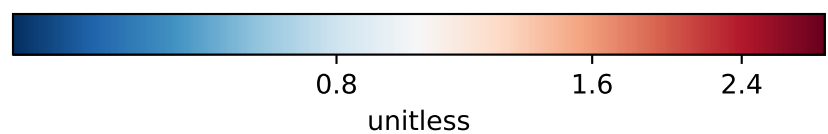
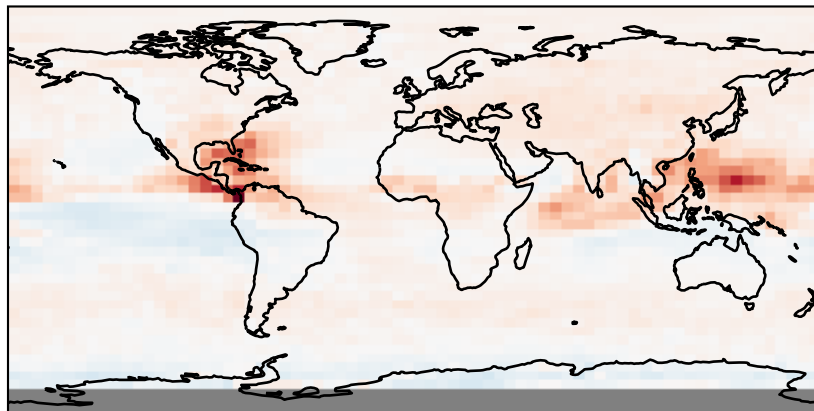
Difference  
Dev - Ref, Dynamic Range



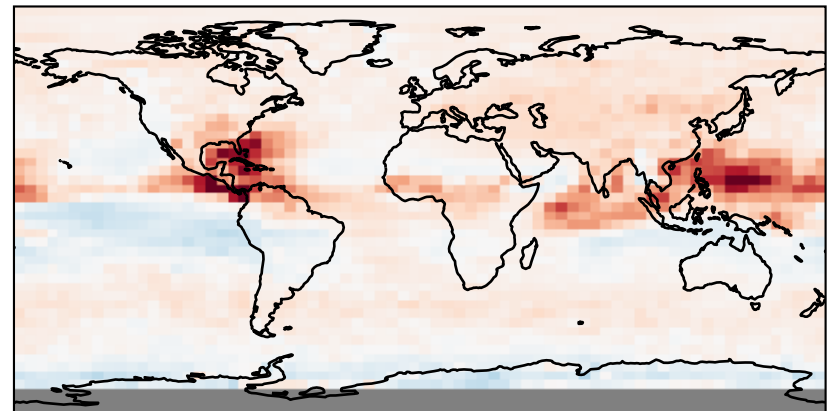
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

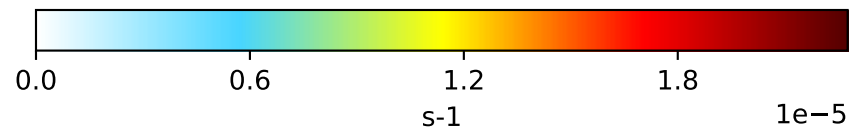
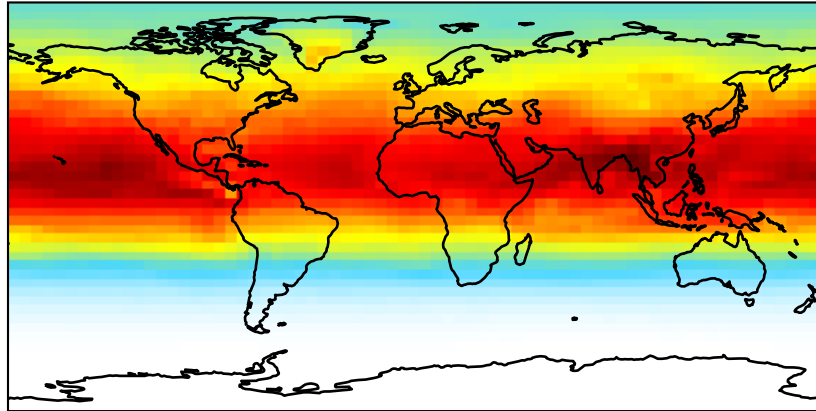


Ratio  
Dev/Ref, Fixed Range

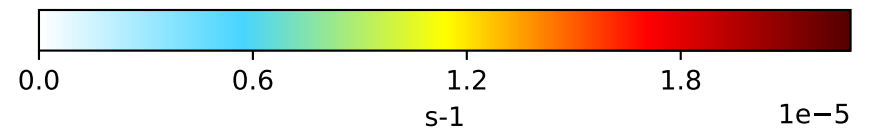
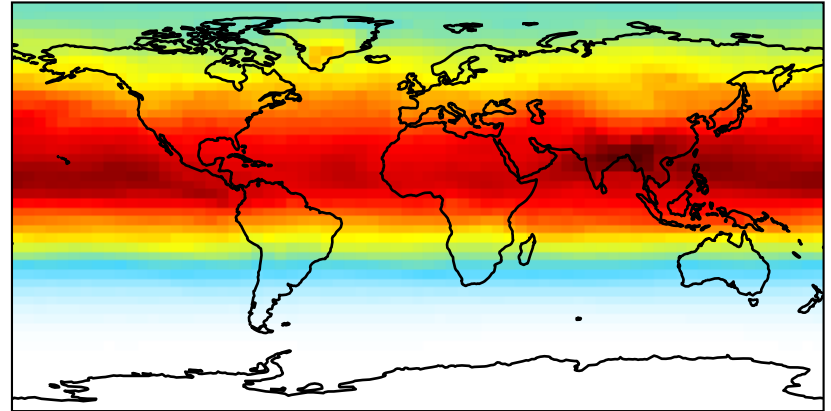


# Jval\_03

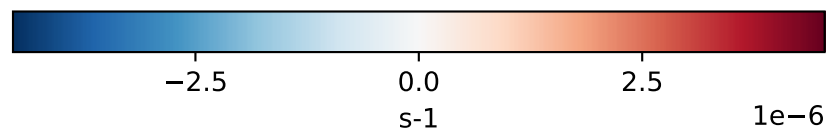
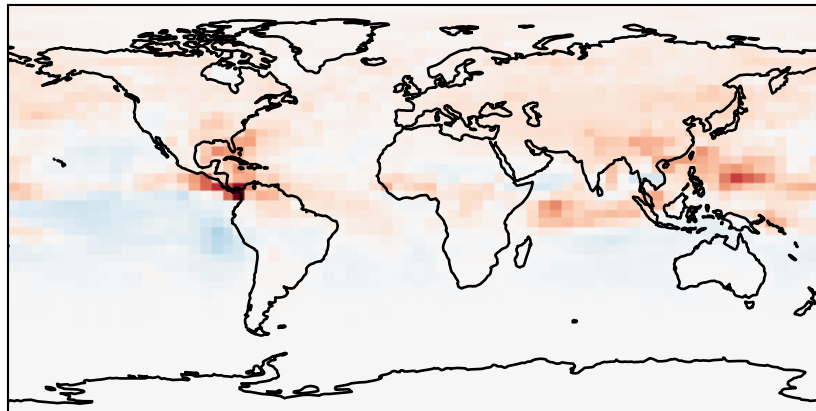
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



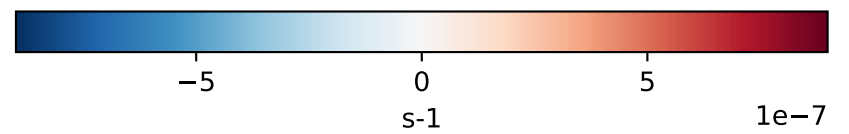
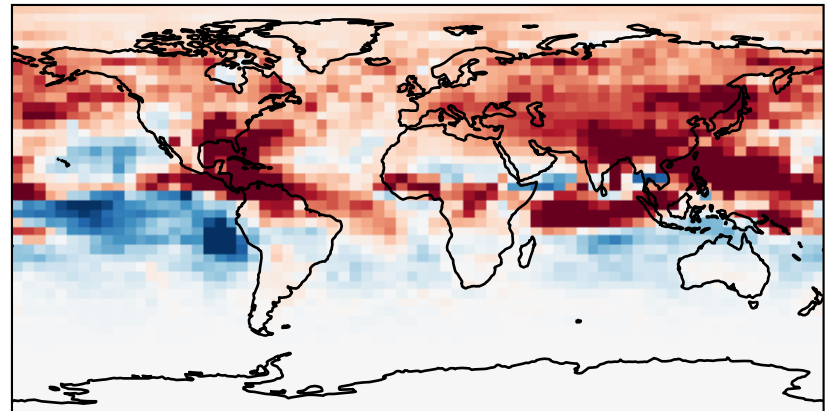
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



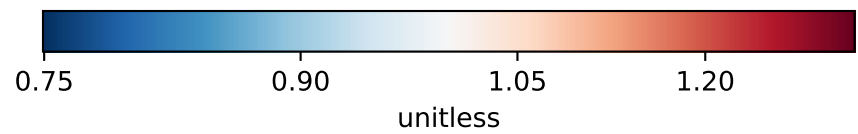
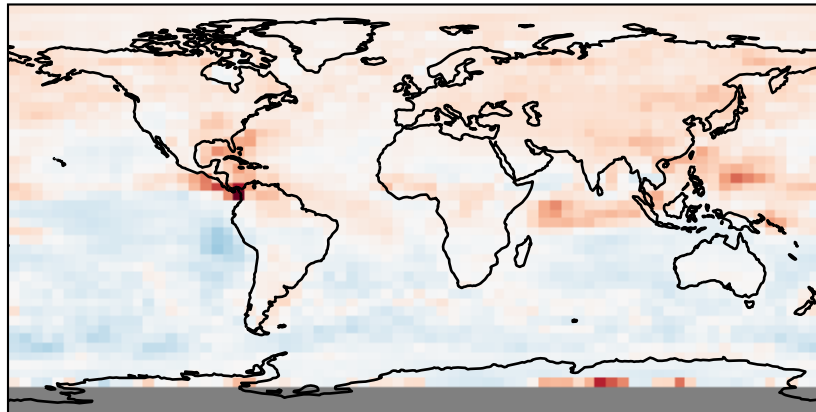
Difference  
Dev - Ref, Dynamic Range



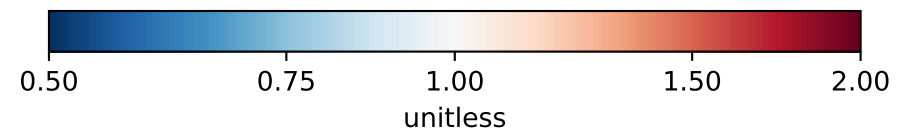
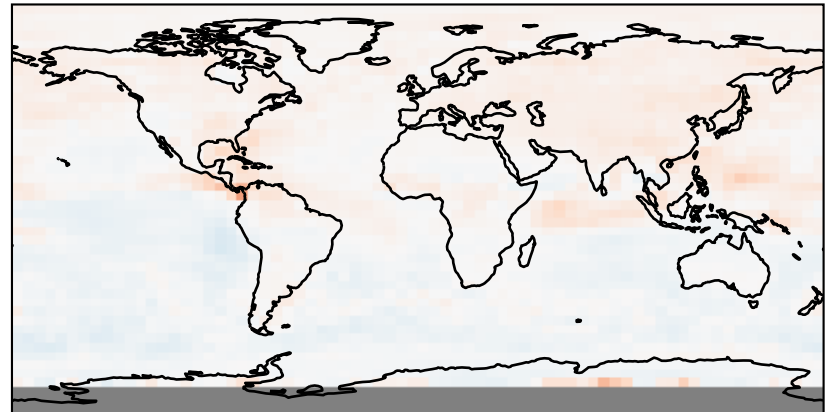
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

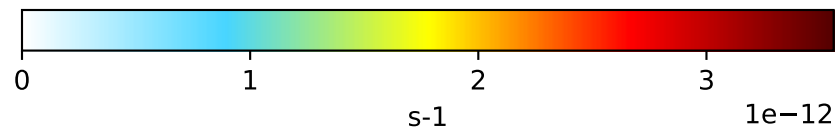
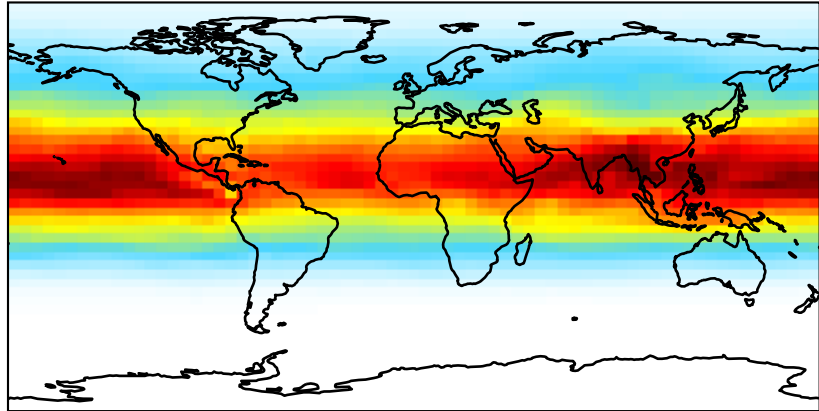


Ratio  
Dev/Ref, Fixed Range

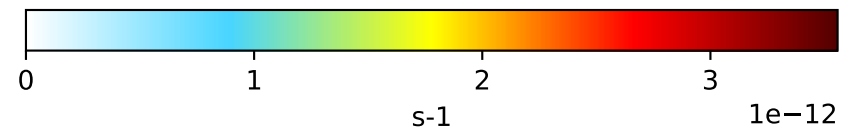
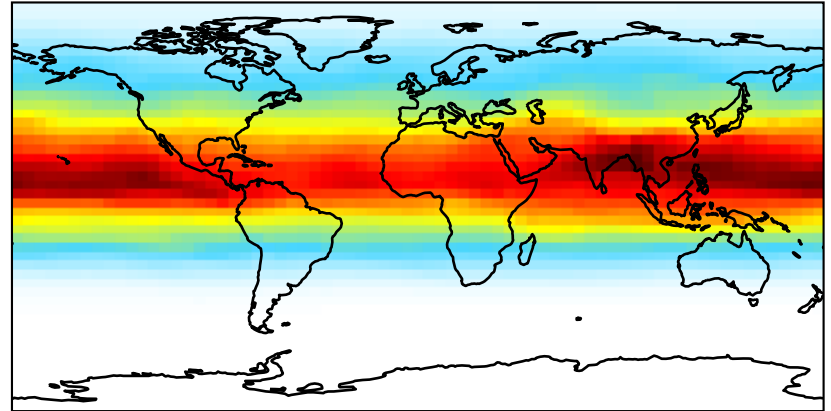


# Jval\_OCS

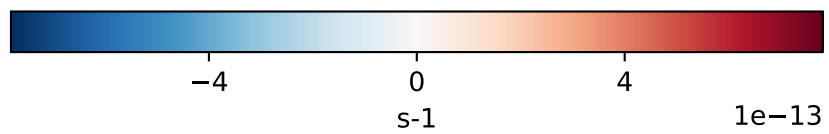
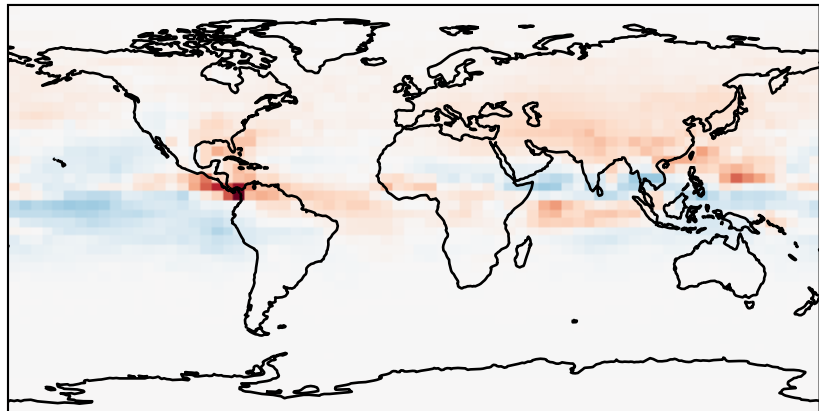
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



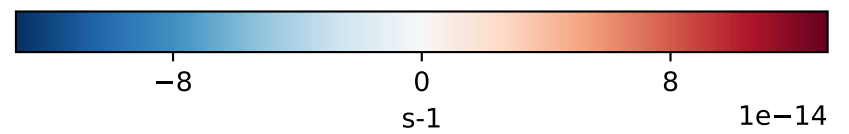
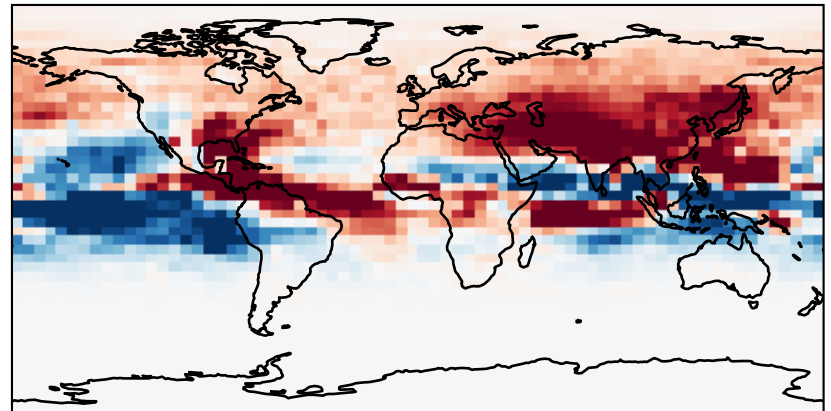
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



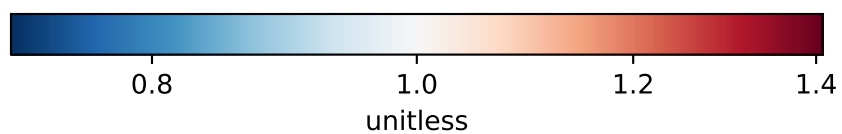
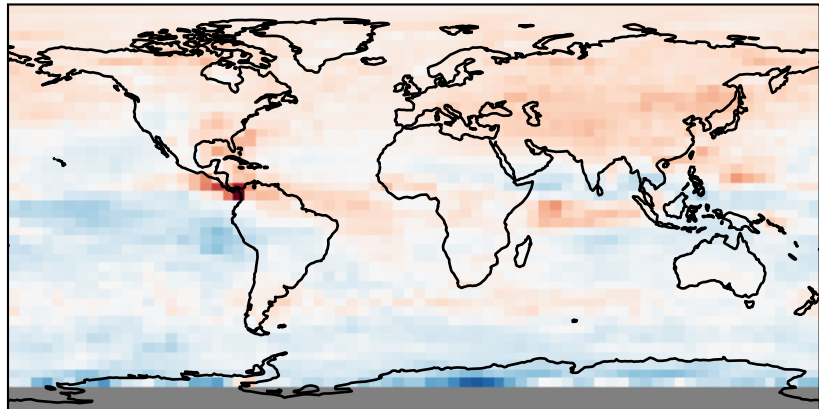
Difference  
Dev - Ref, Dynamic Range



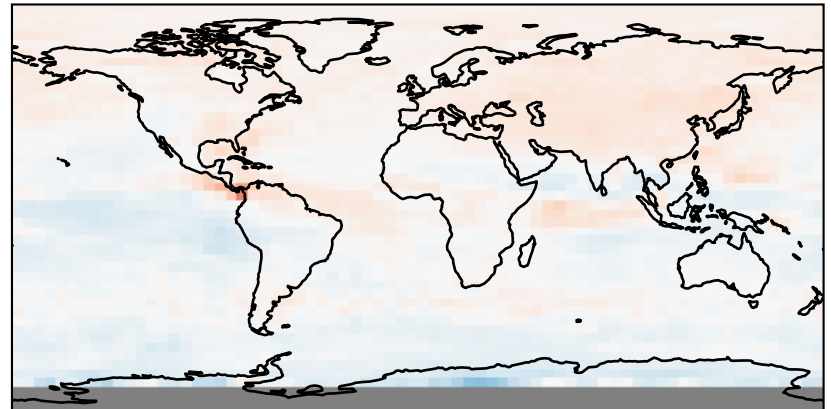
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

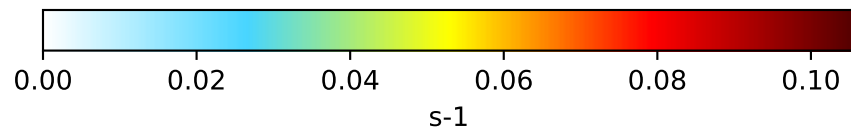
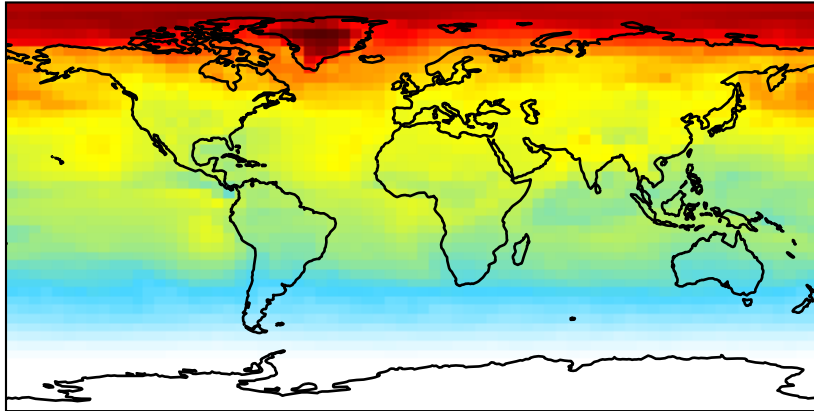


Ratio  
Dev/Ref, Fixed Range

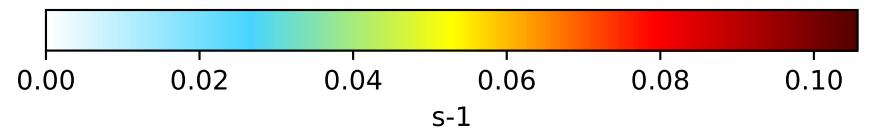
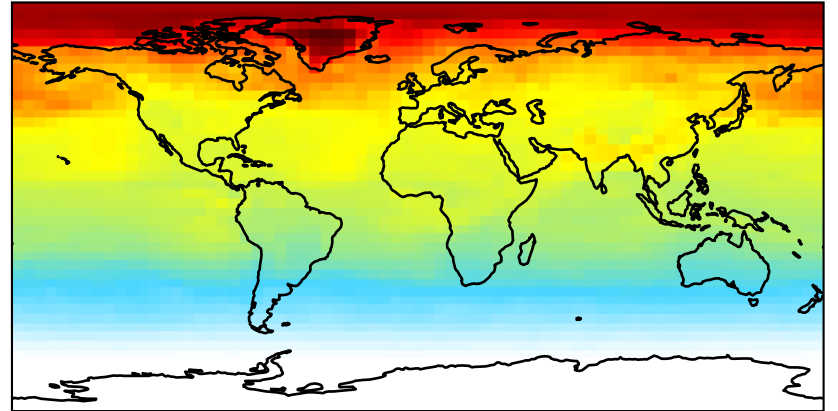


# Jval\_OCIO

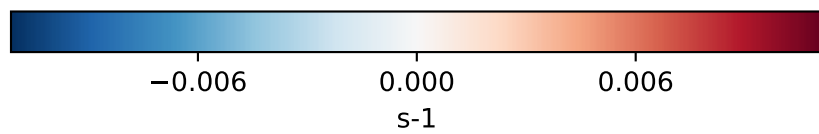
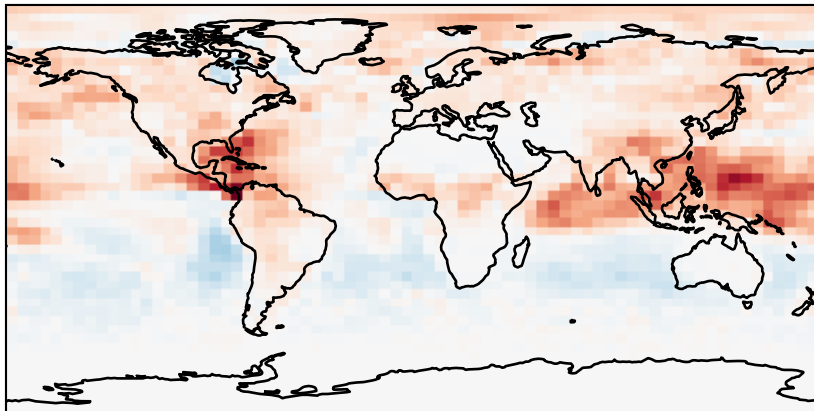
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



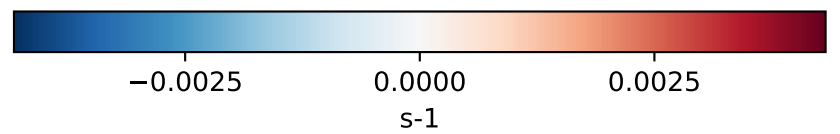
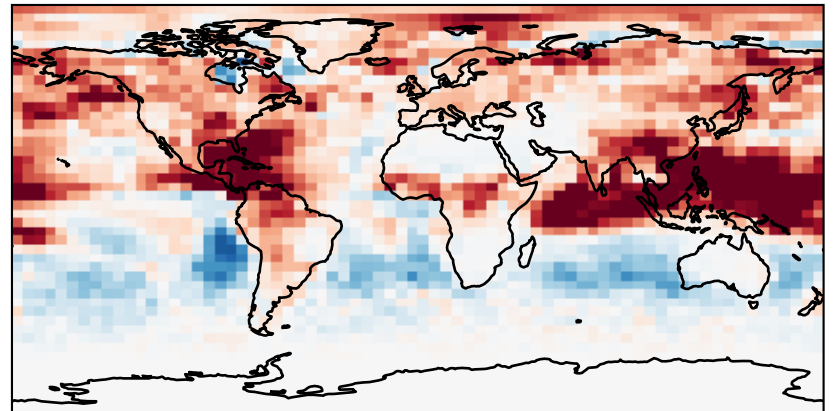
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



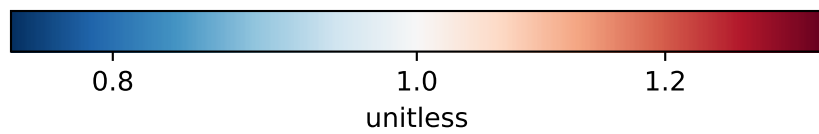
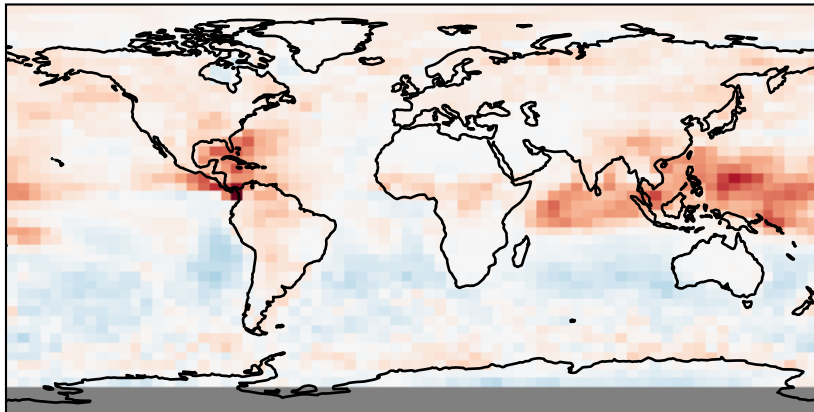
Difference  
Dev - Ref, Dynamic Range



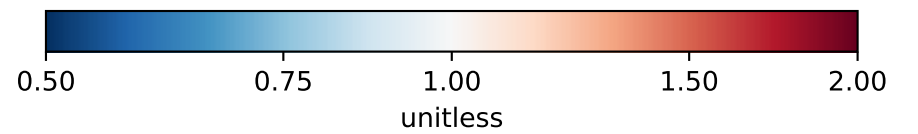
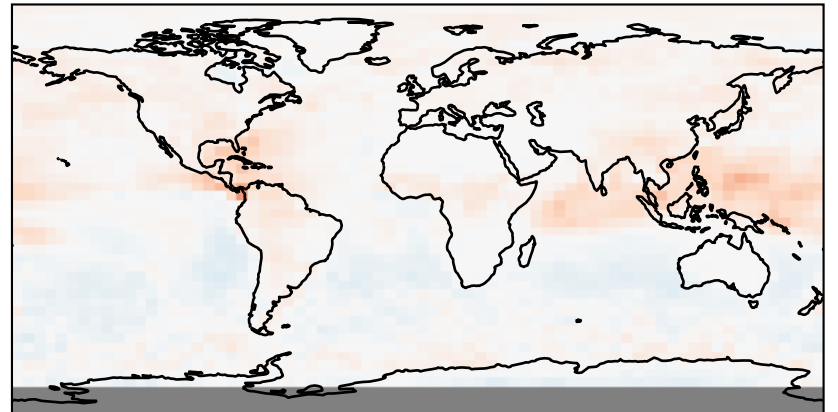
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

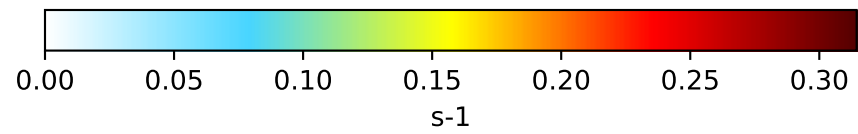
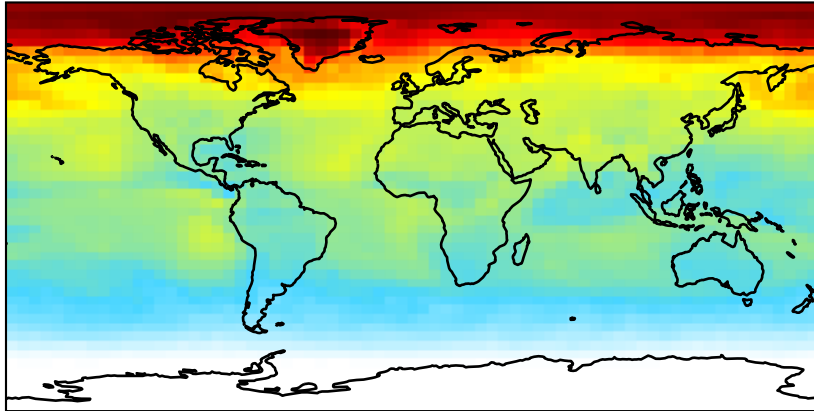


Ratio  
Dev/Ref, Fixed Range

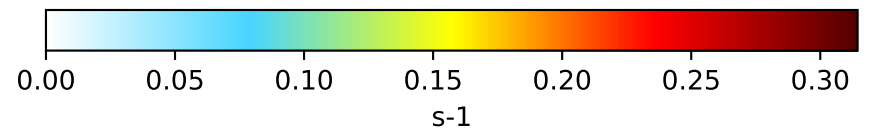
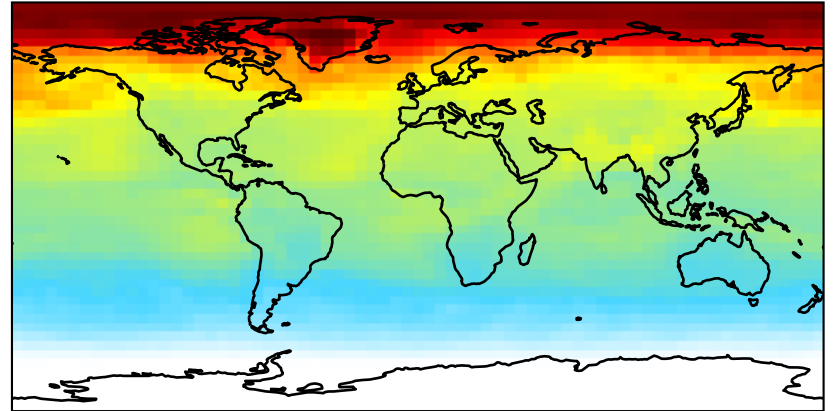


# Jval\_OIO

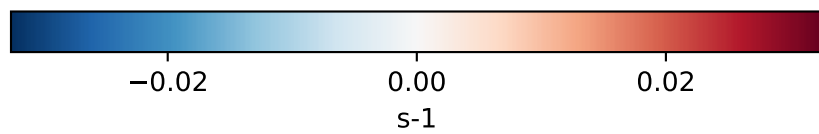
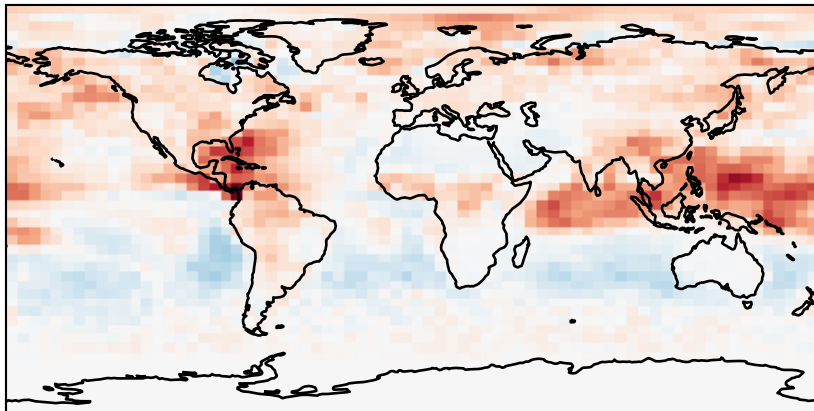
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



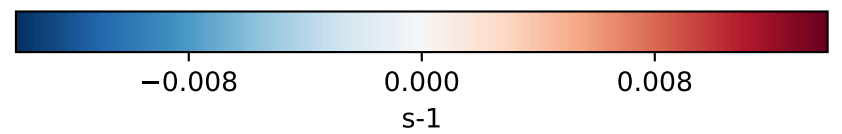
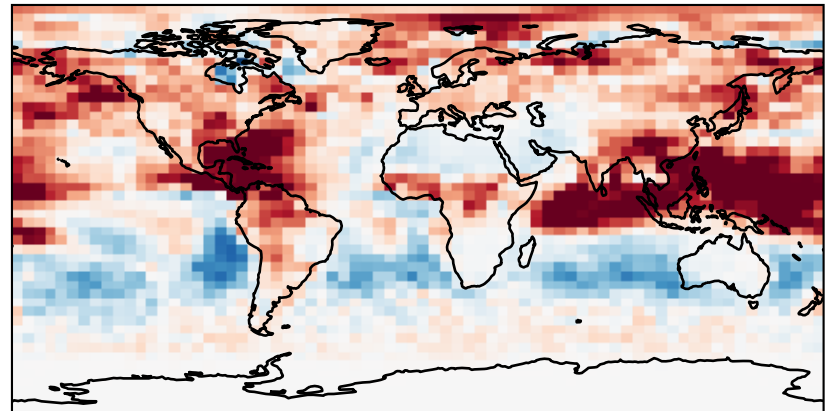
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



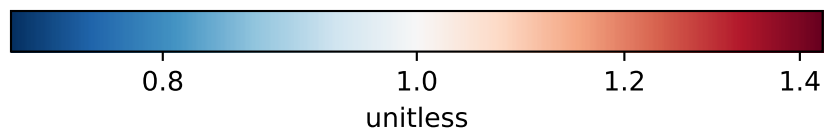
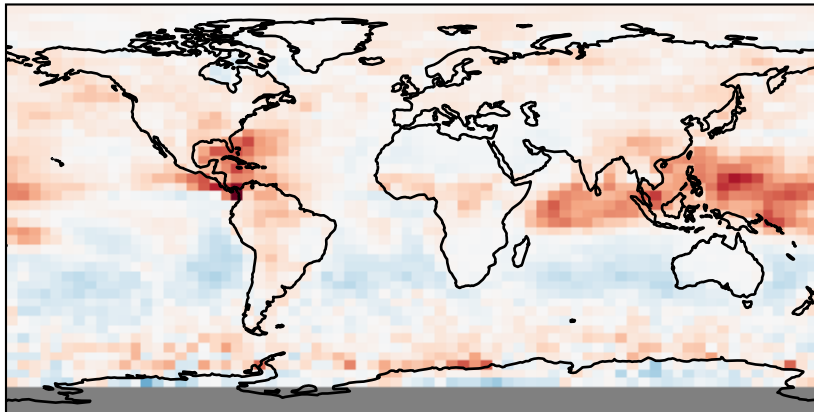
Difference  
Dev - Ref, Dynamic Range



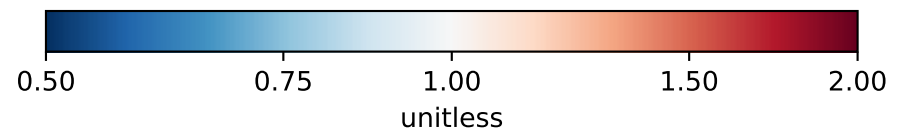
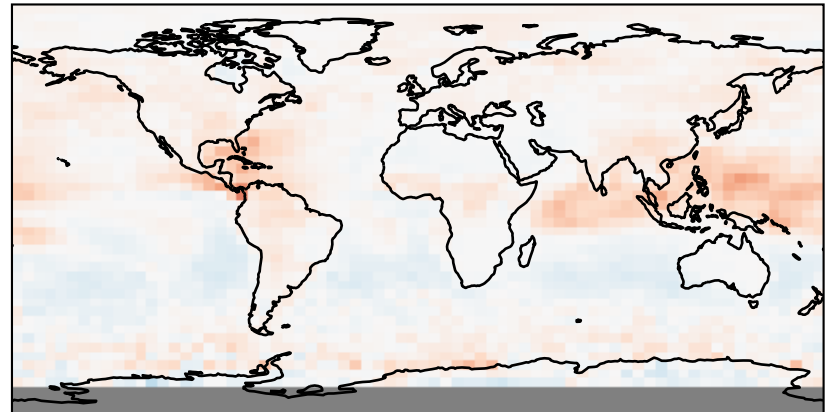
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

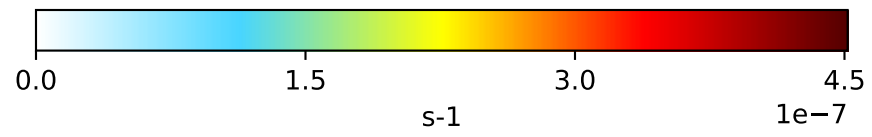
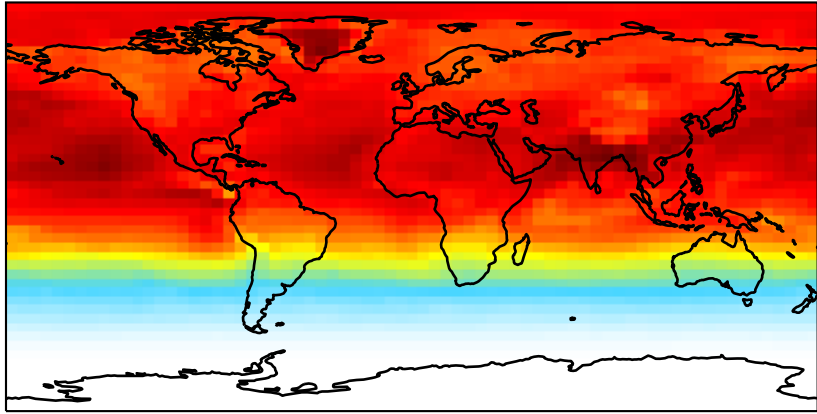


Ratio  
Dev/Ref, Fixed Range

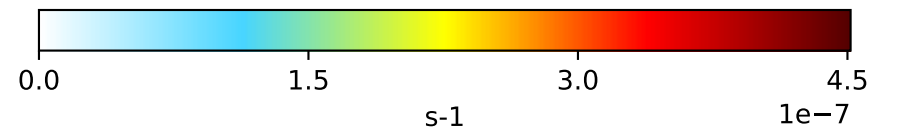
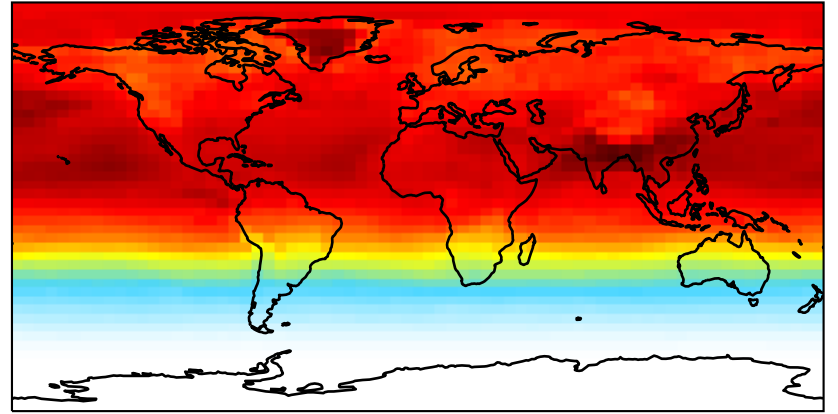


# Jval\_PAN

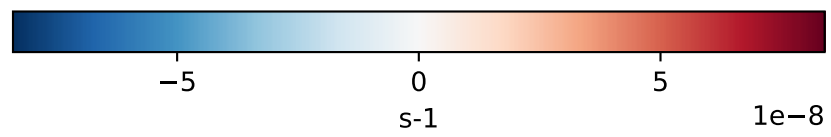
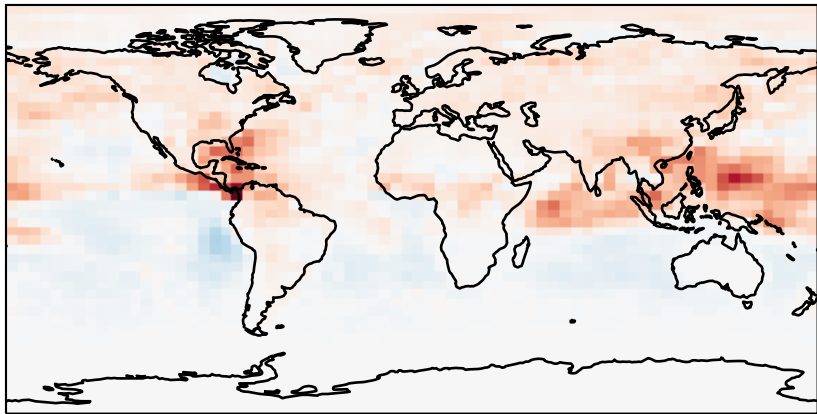
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



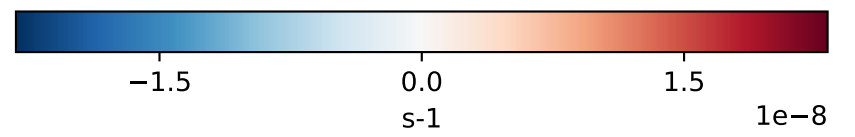
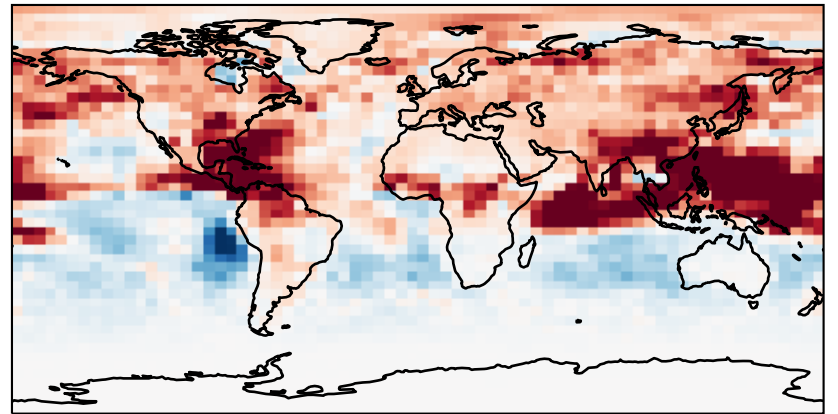
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



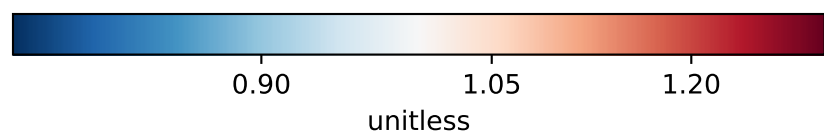
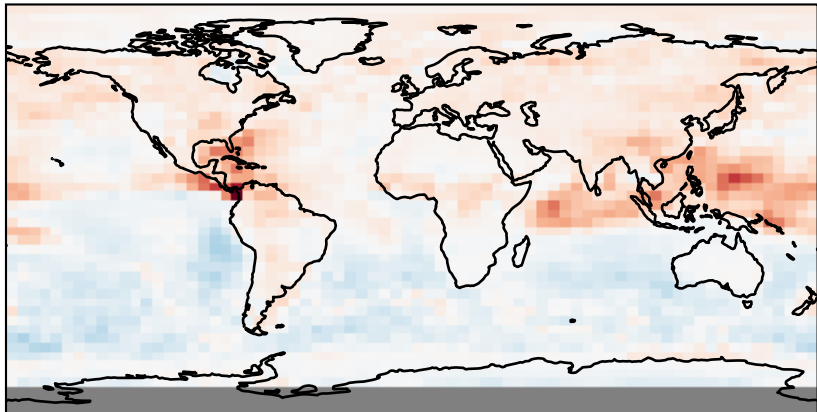
Difference  
Dev - Ref, Dynamic Range



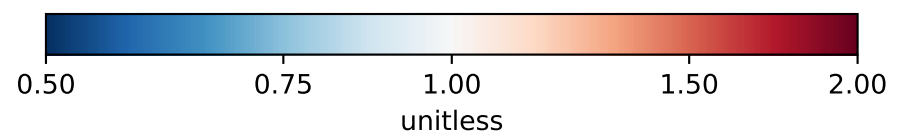
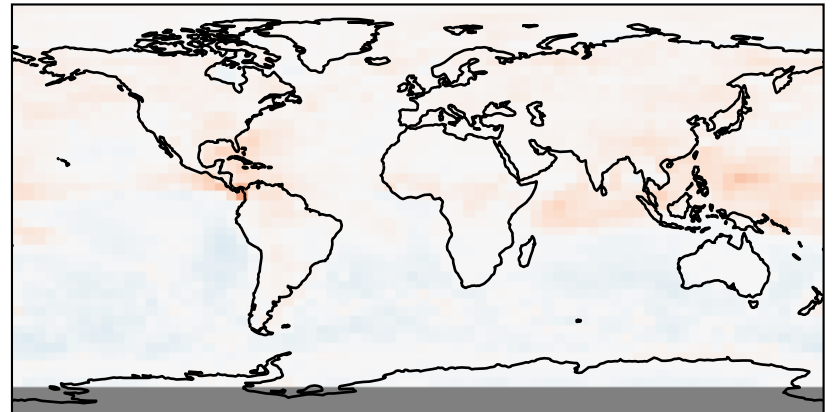
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

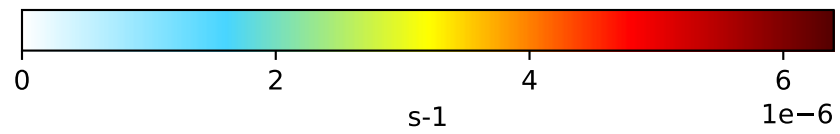
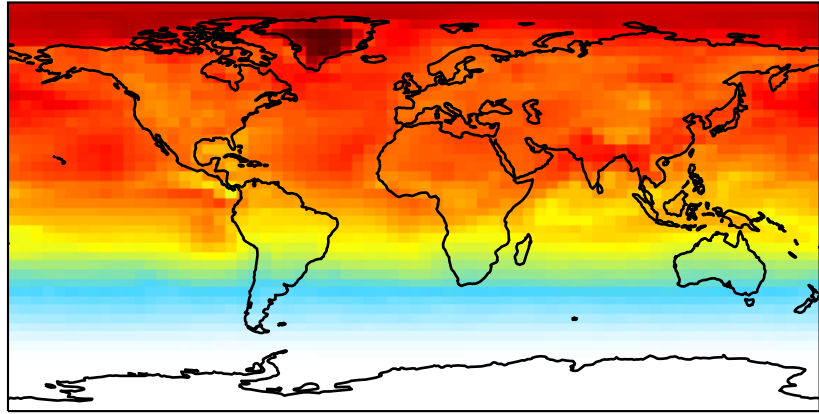


Ratio  
Dev/Ref, Fixed Range

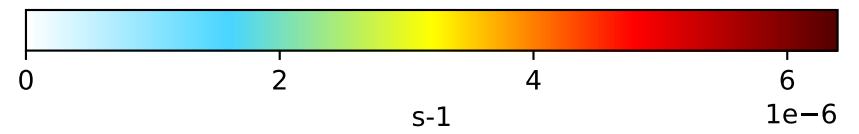
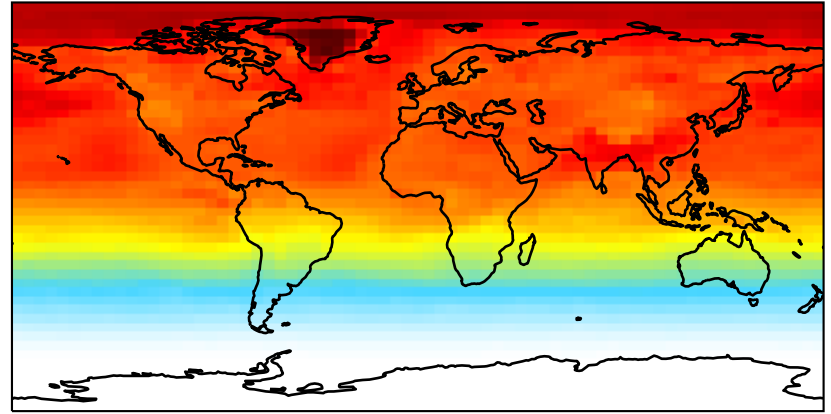


# Jval\_PIP

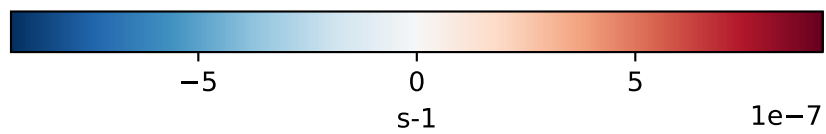
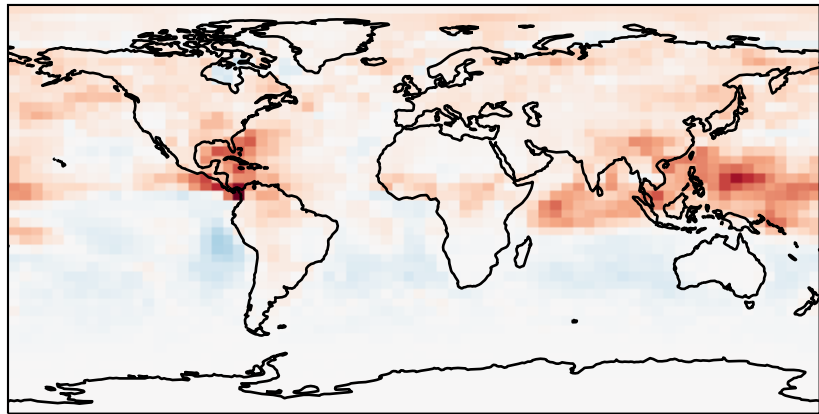
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



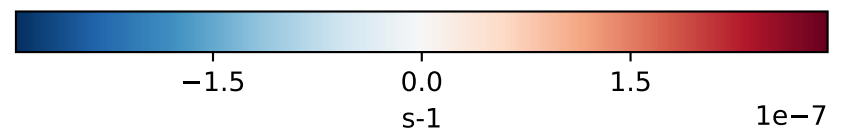
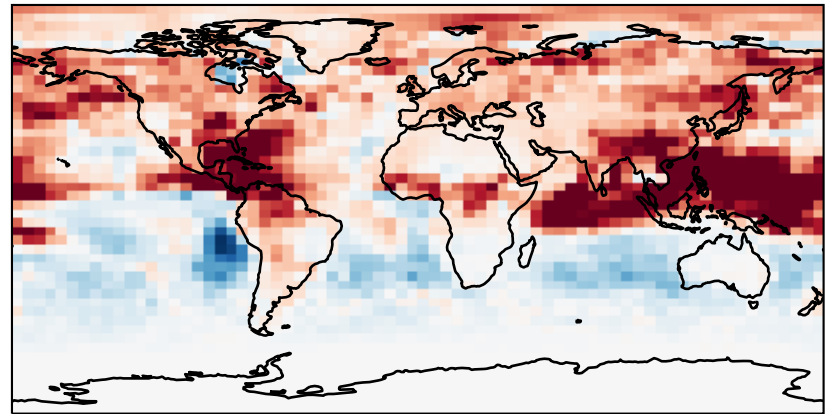
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



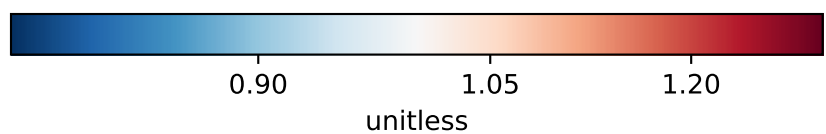
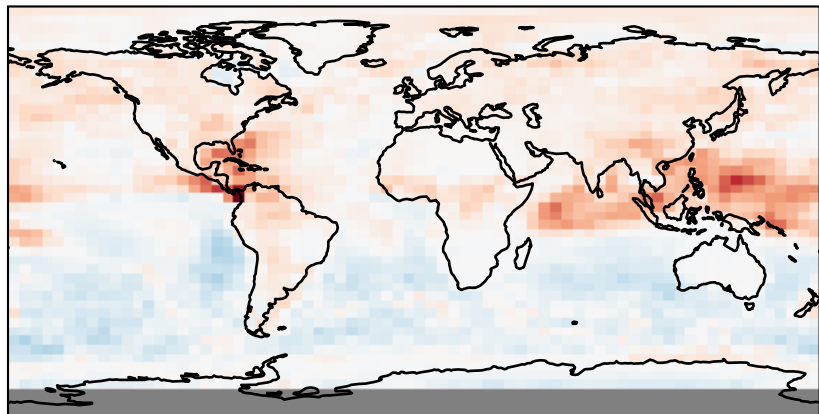
Difference  
Dev - Ref, Dynamic Range



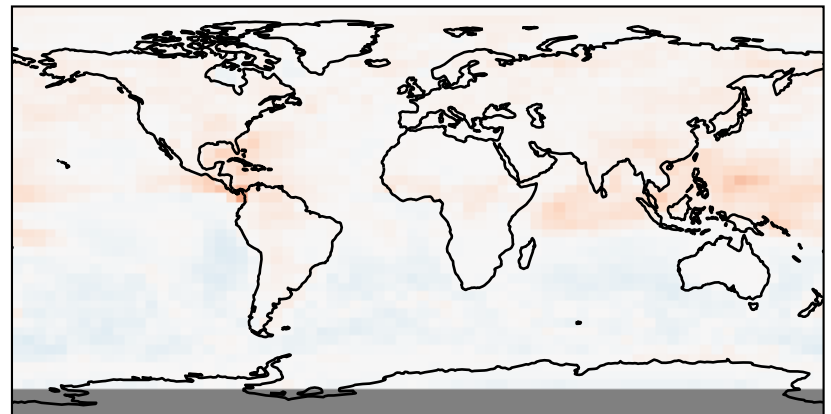
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



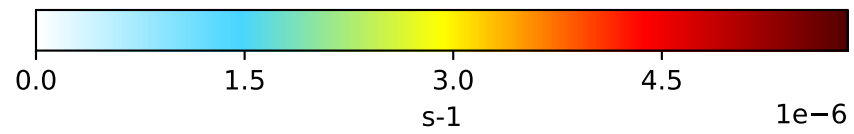
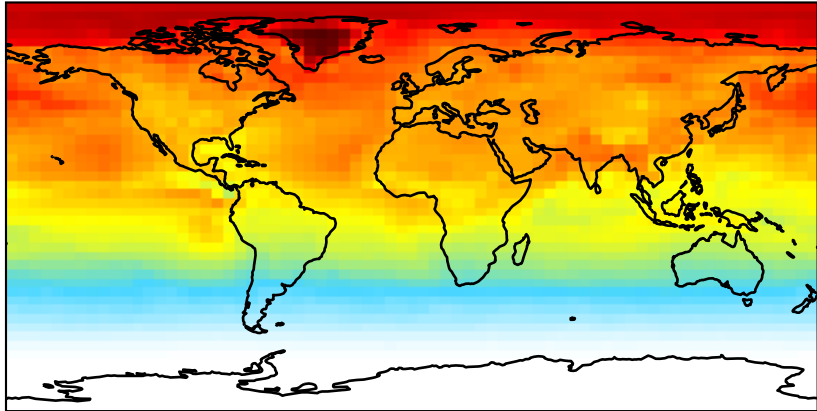
Ratio  
Dev/Ref, Fixed Range



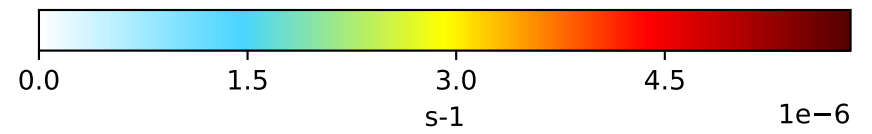
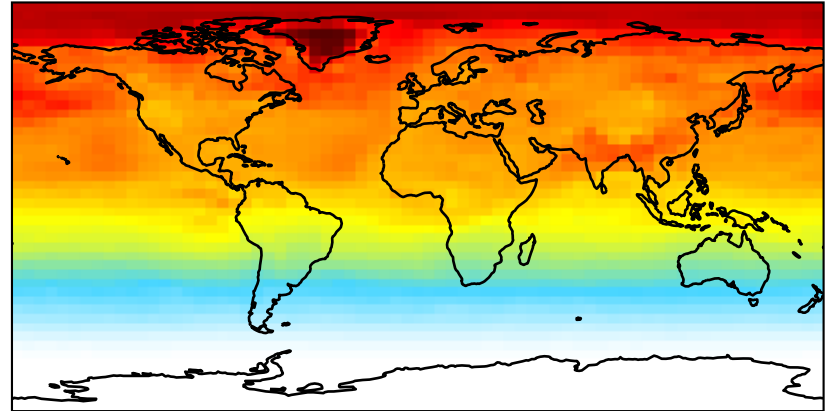


# Jval\_PP

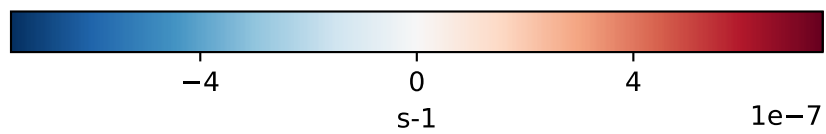
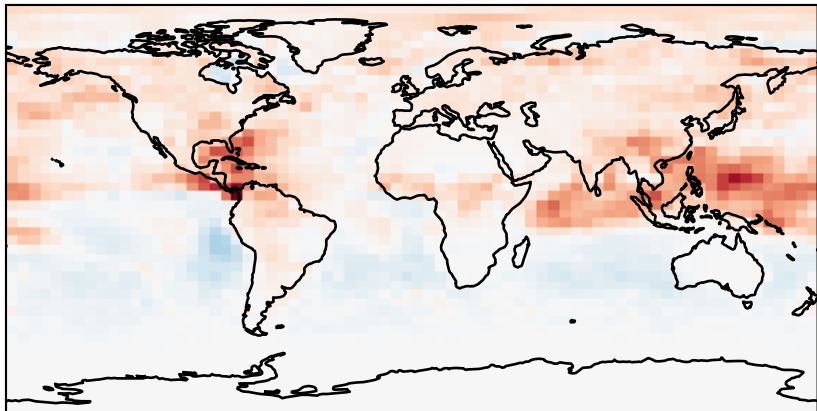
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



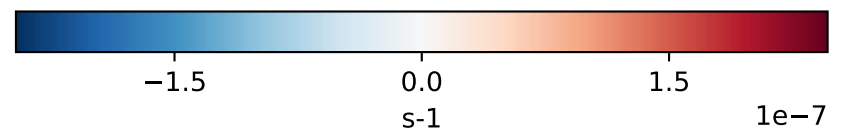
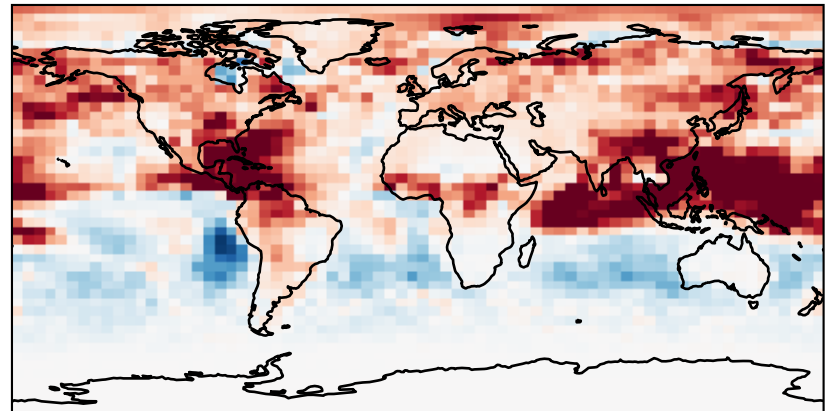
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



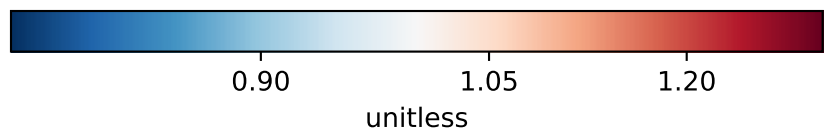
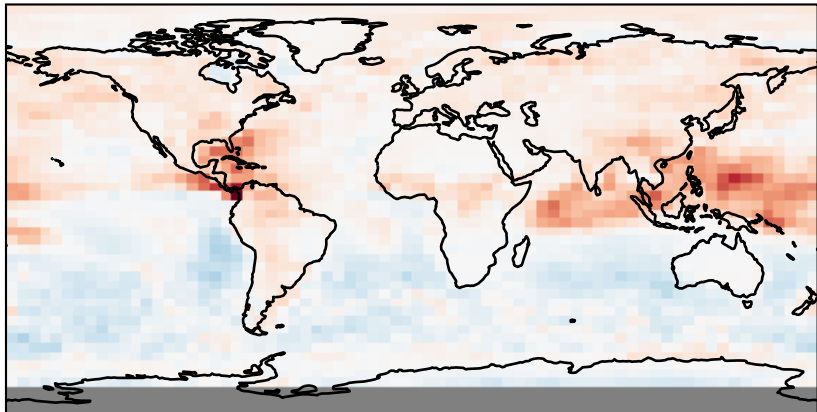
Difference  
Dev - Ref, Dynamic Range



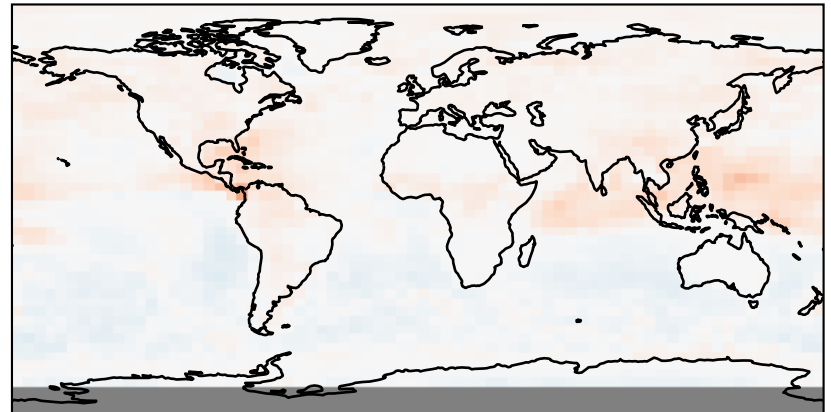
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

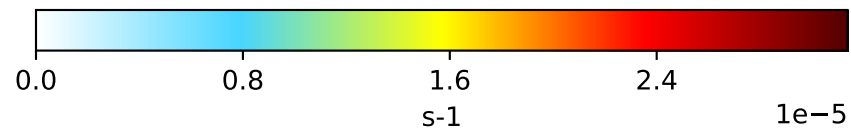
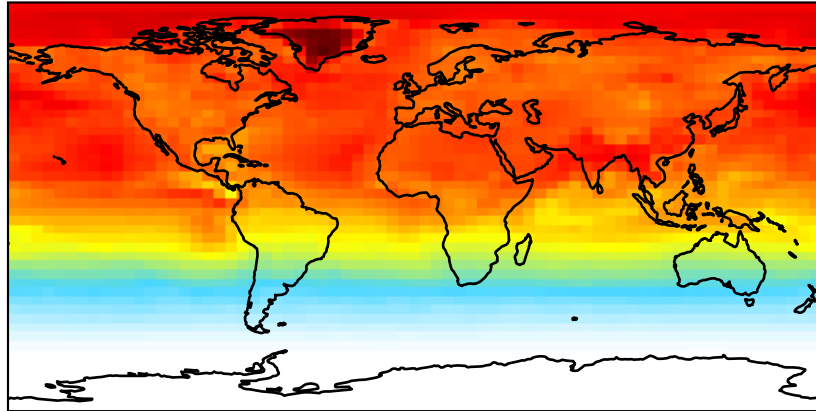


Ratio  
Dev/Ref, Fixed Range

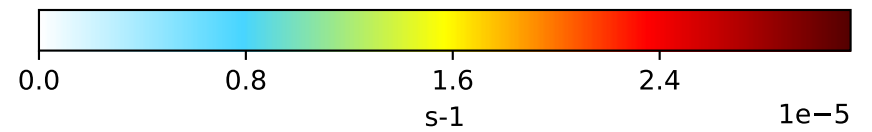
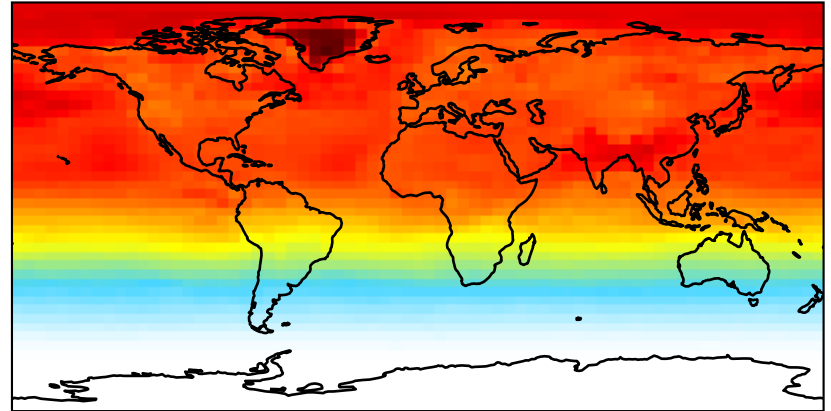


# Jval\_PROPNN

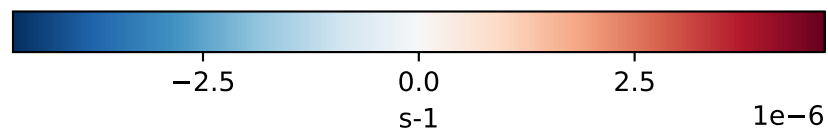
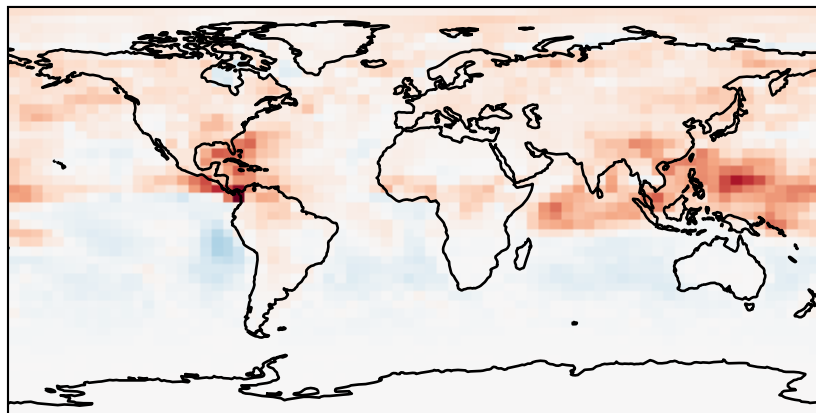
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



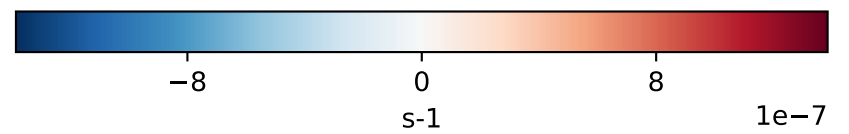
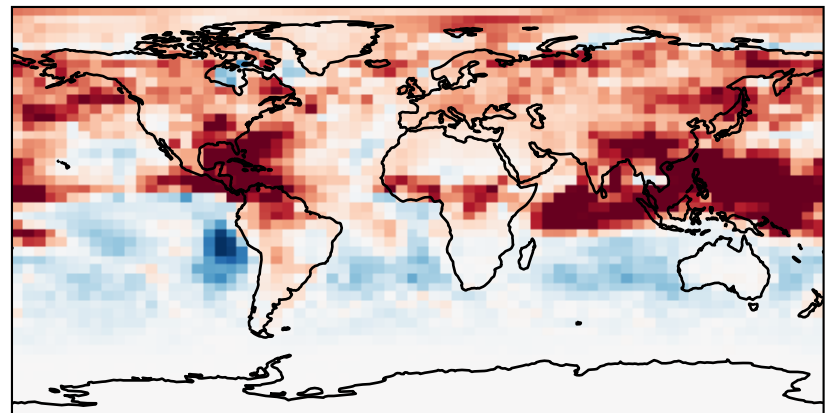
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



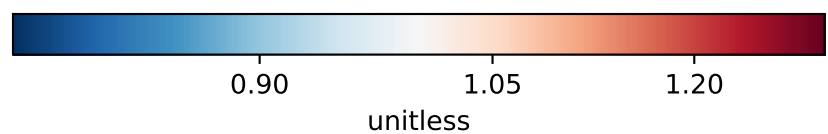
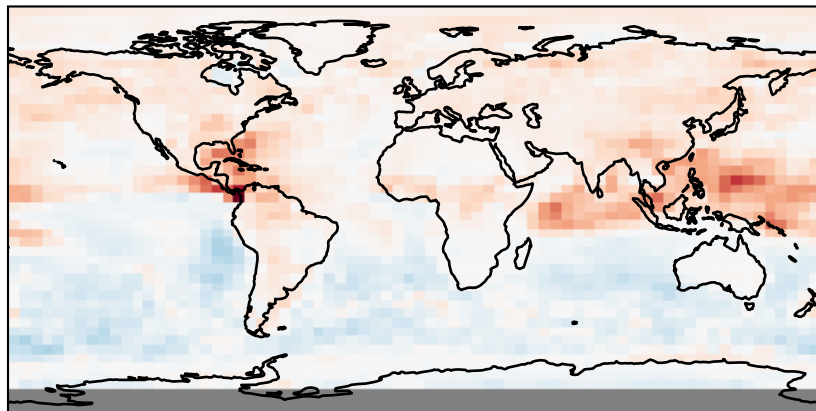
Difference  
Dev - Ref, Dynamic Range



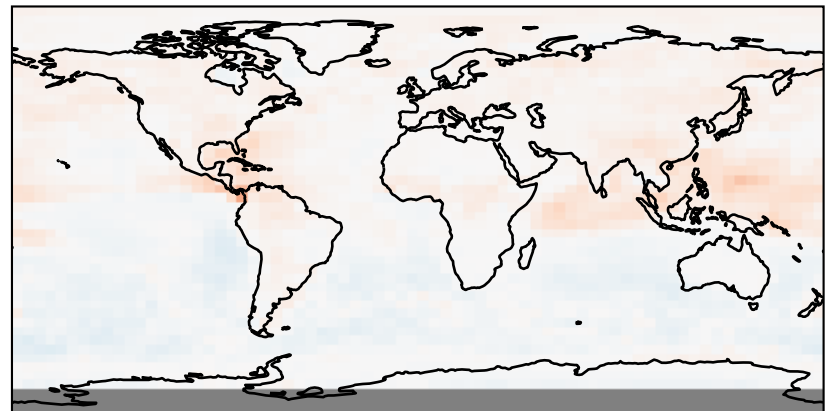
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

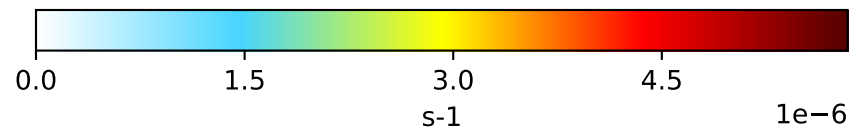
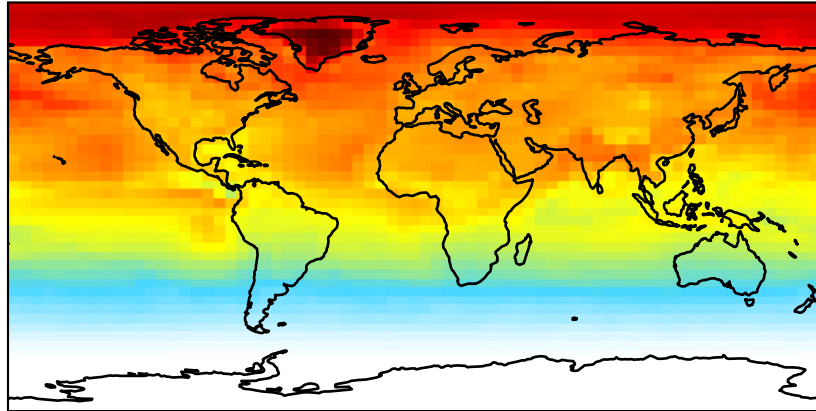


Ratio  
Dev/Ref, Fixed Range

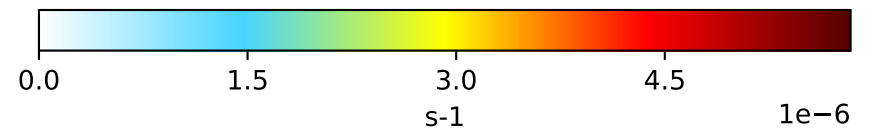
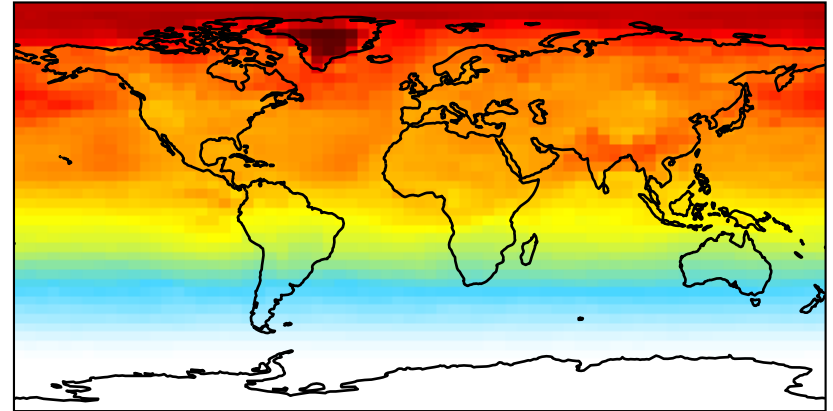


# Jval\_PRPN

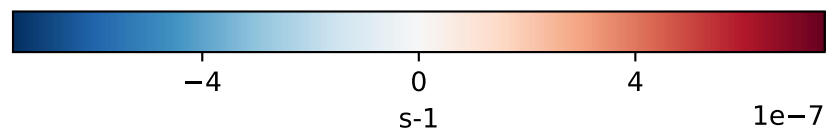
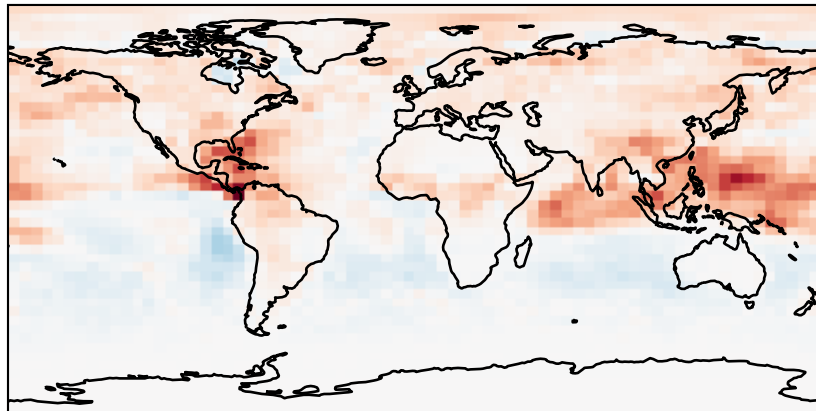
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



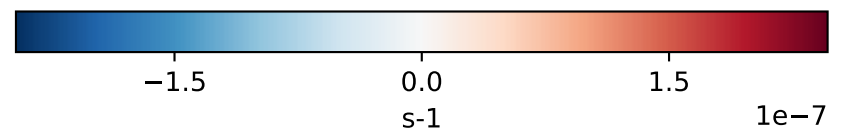
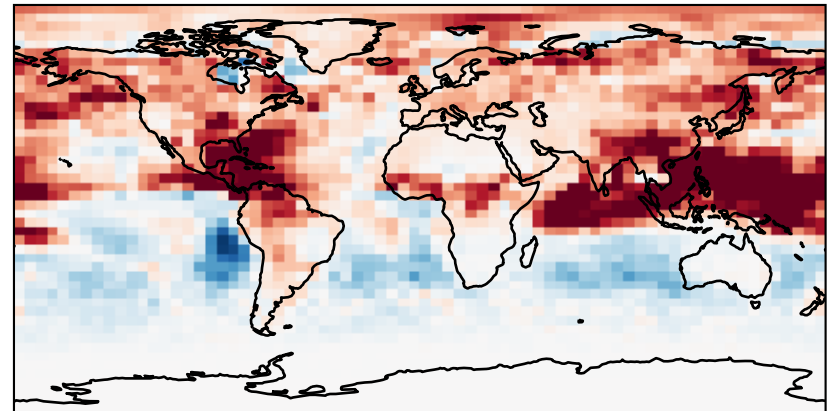
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



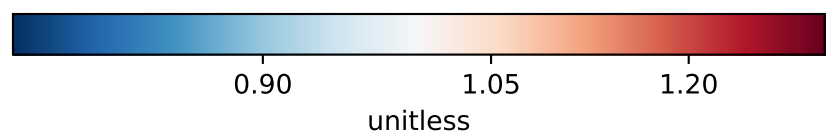
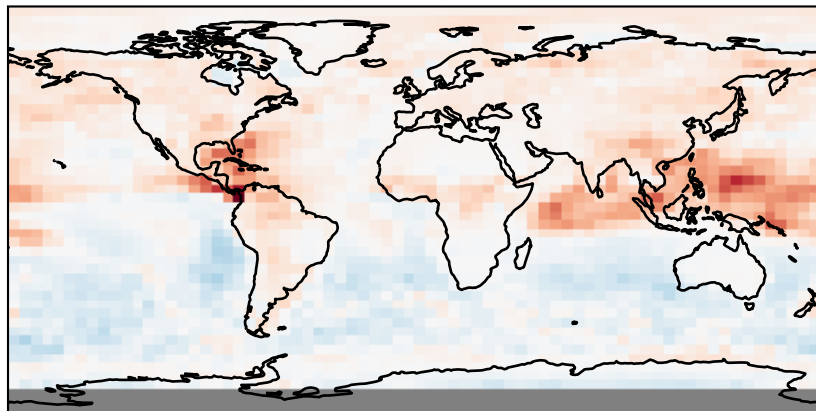
Difference  
Dev - Ref, Dynamic Range



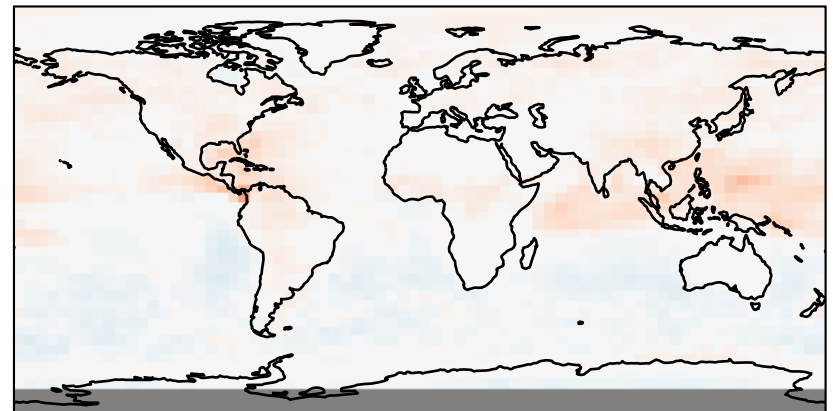
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

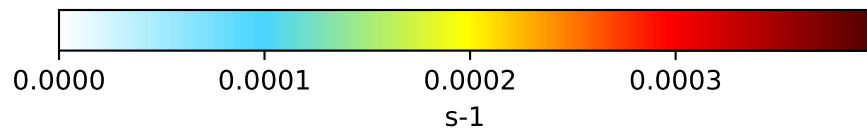
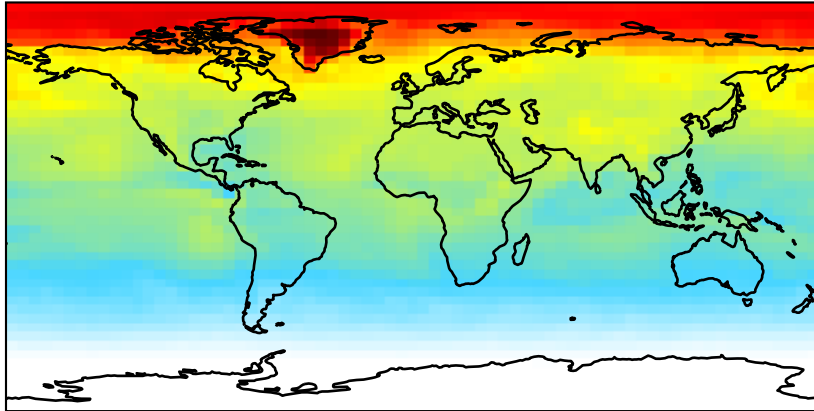


Ratio  
Dev/Ref, Fixed Range

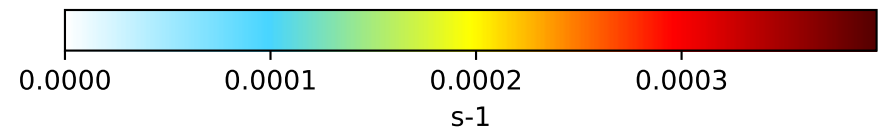
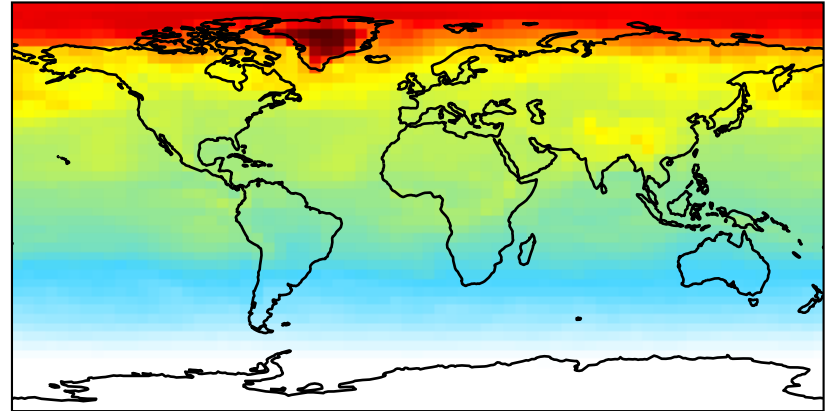


# Jval\_PYAC

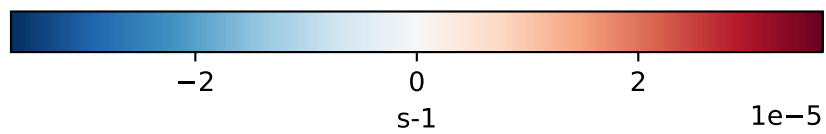
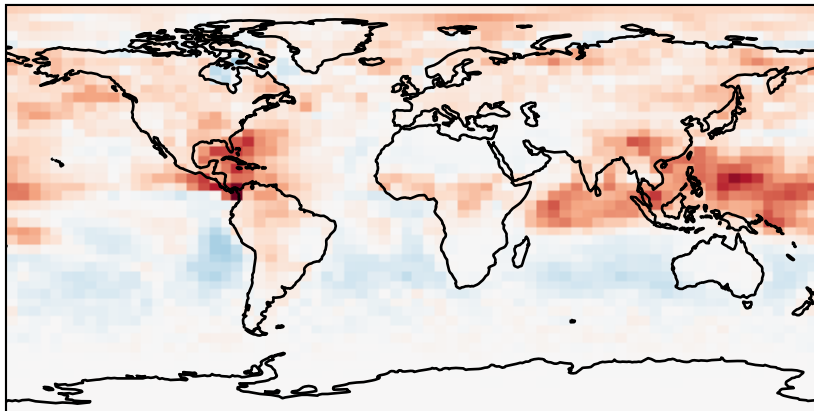
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



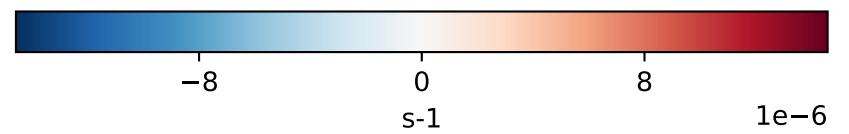
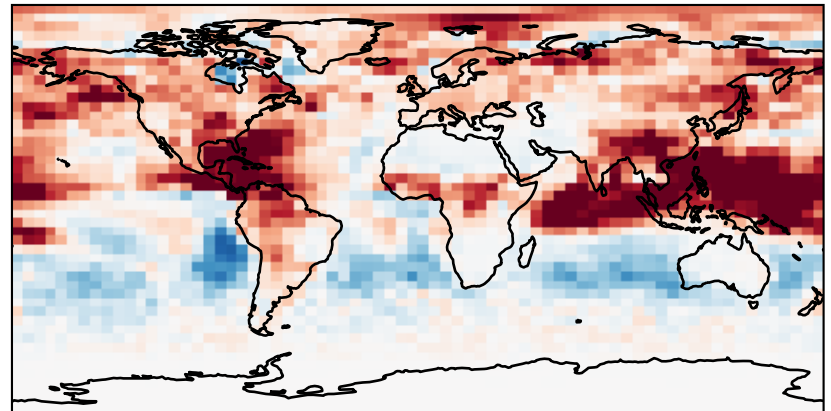
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



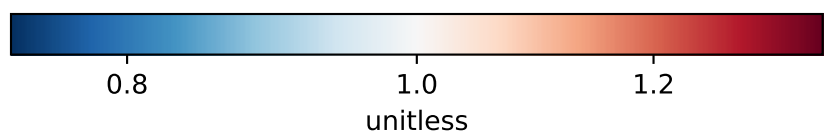
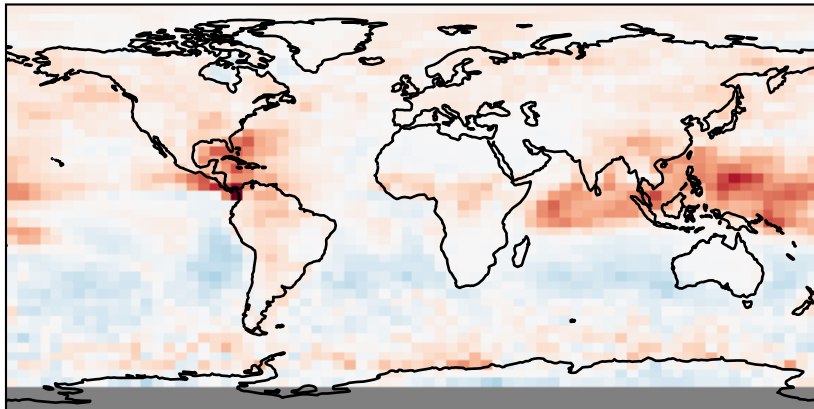
Difference  
Dev - Ref, Dynamic Range



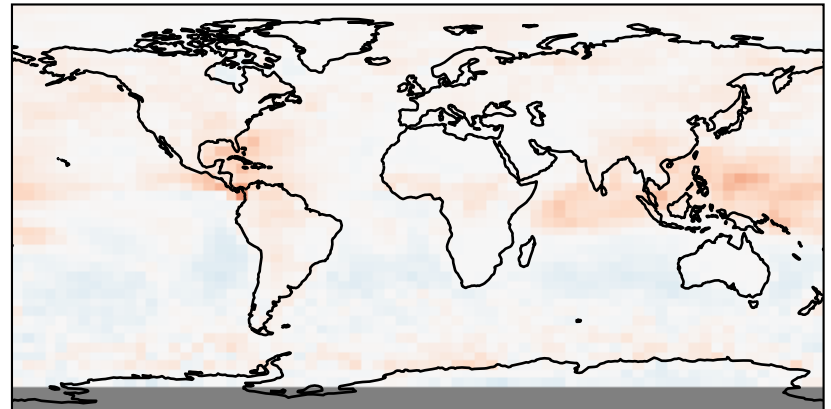
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

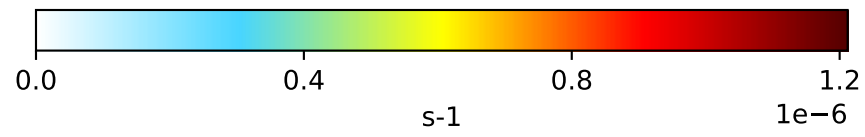
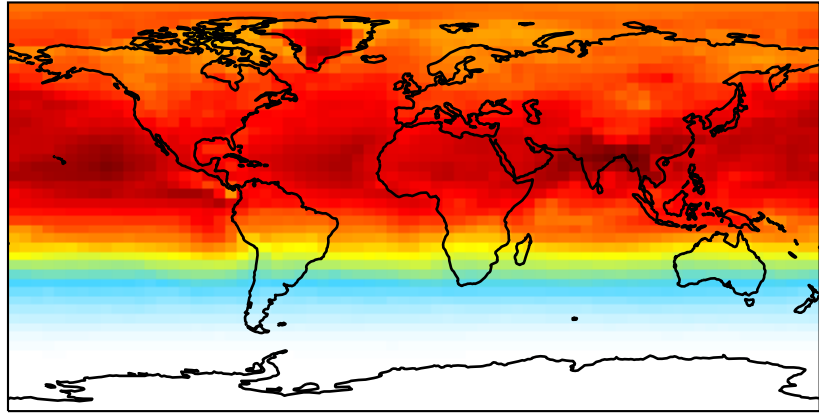


Ratio  
Dev/Ref, Fixed Range

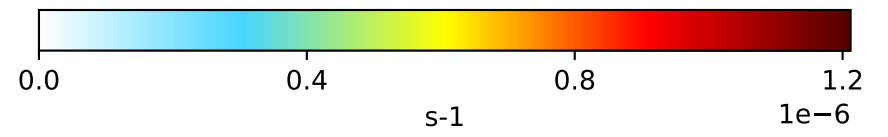
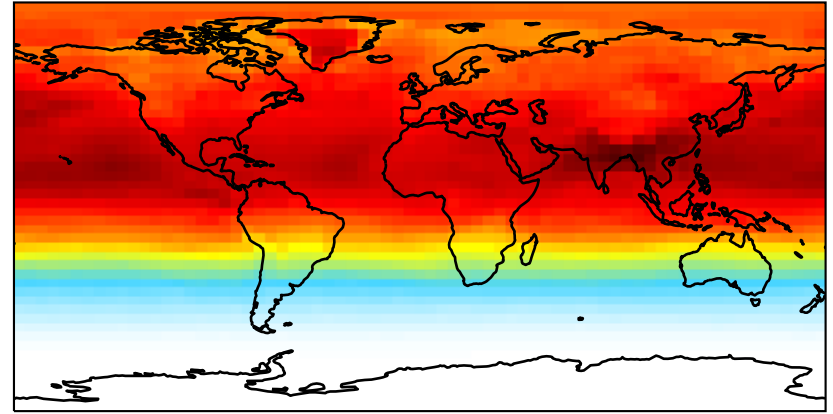


# Jval\_R4N2

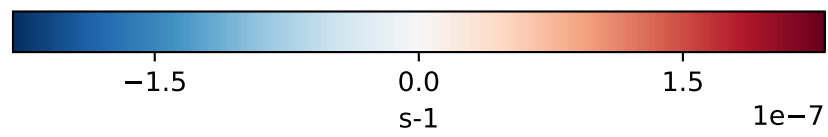
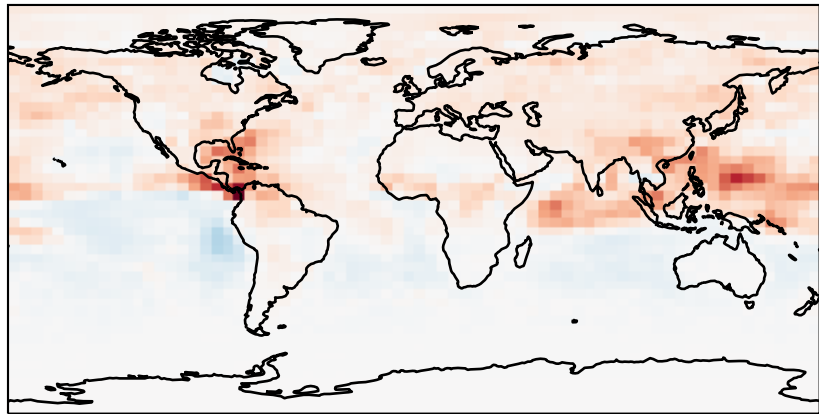
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



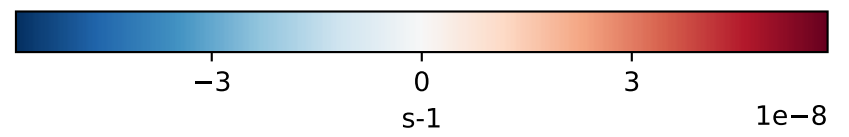
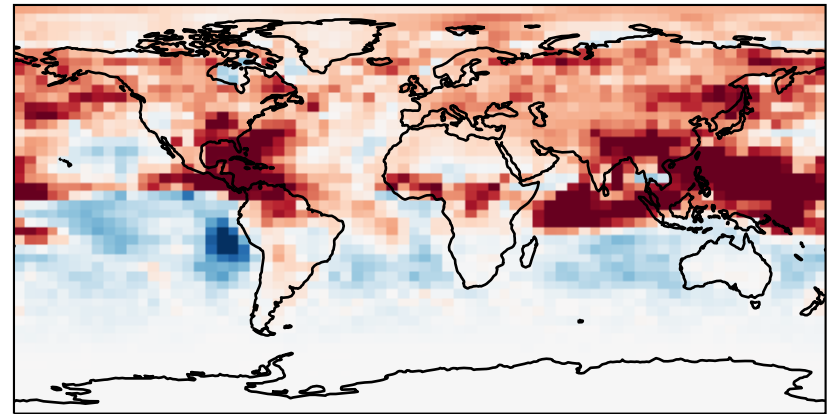
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



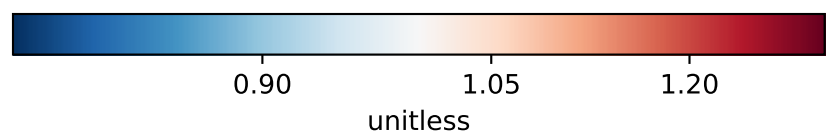
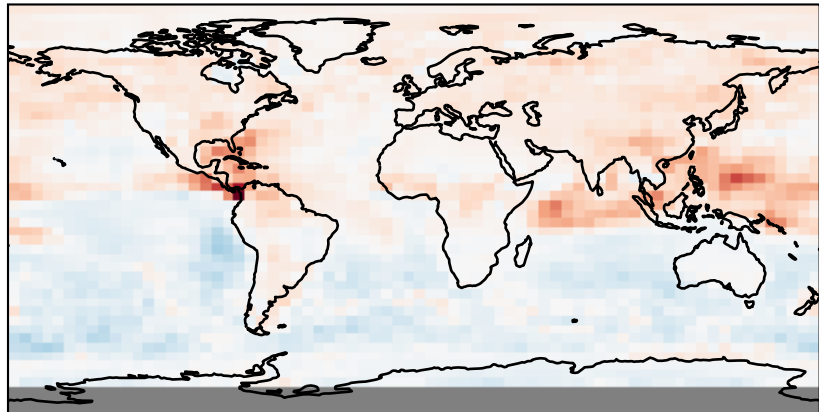
Difference  
Dev - Ref, Dynamic Range



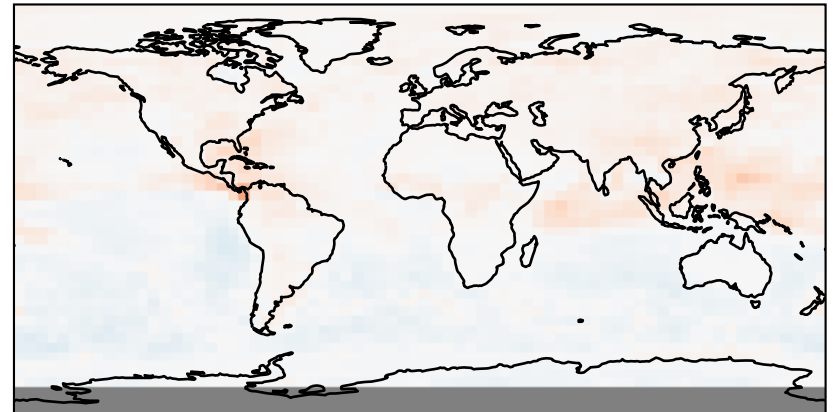
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

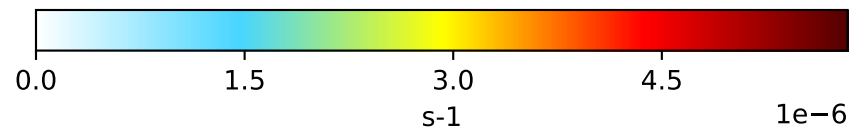
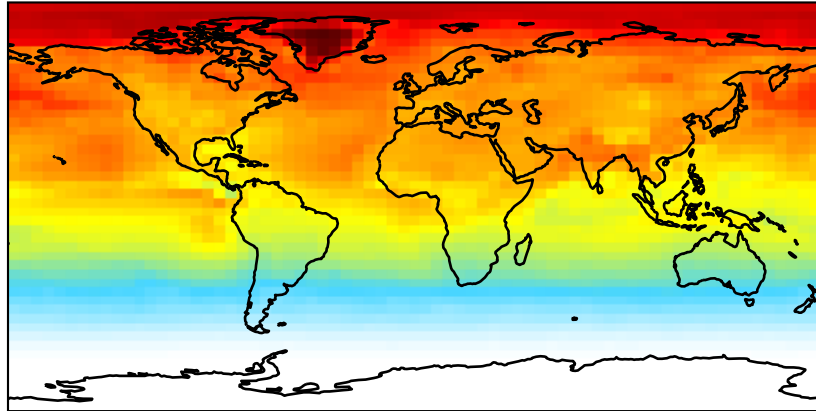


Ratio  
Dev/Ref, Fixed Range

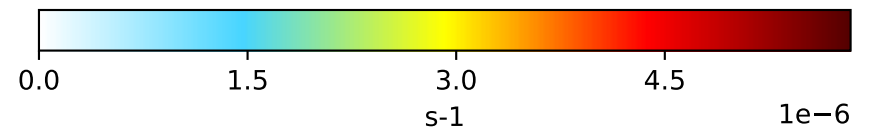
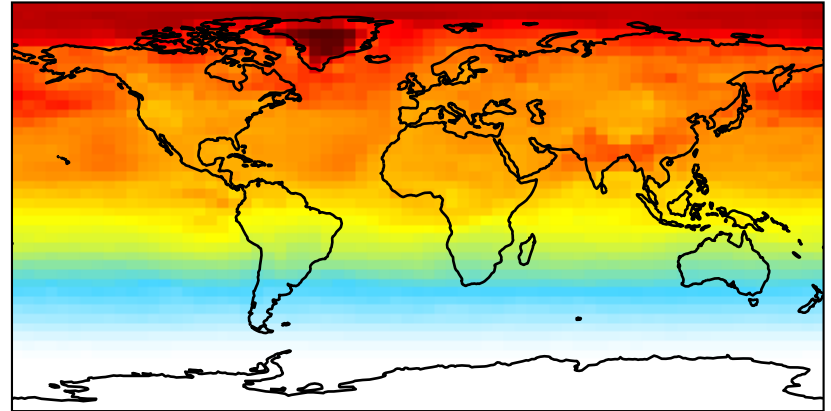


# Jval\_R4P

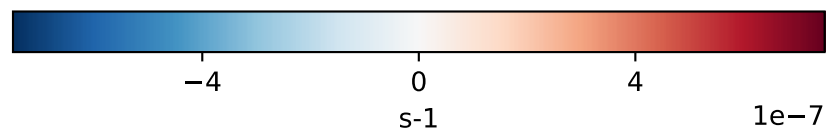
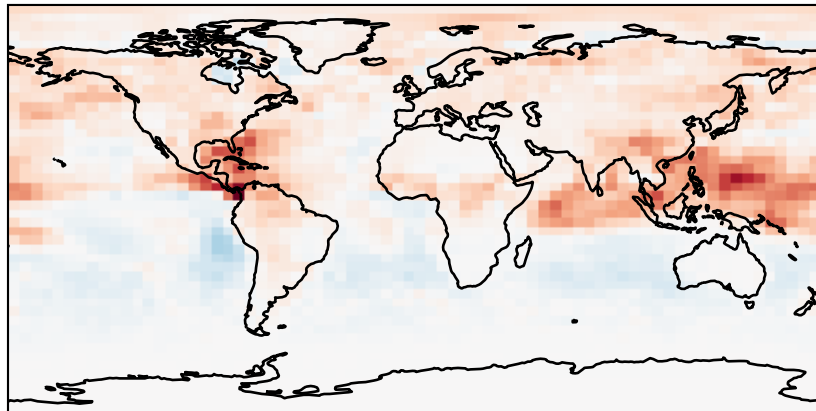
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



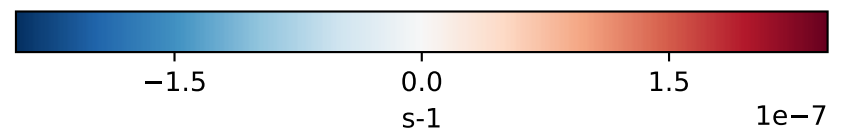
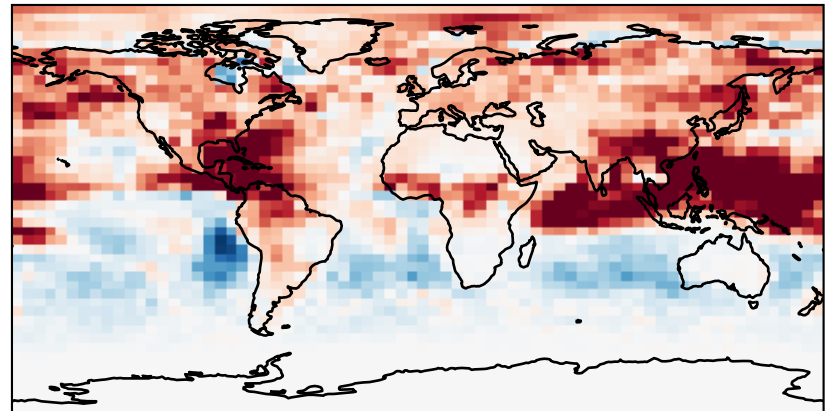
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



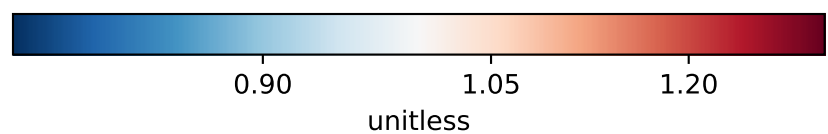
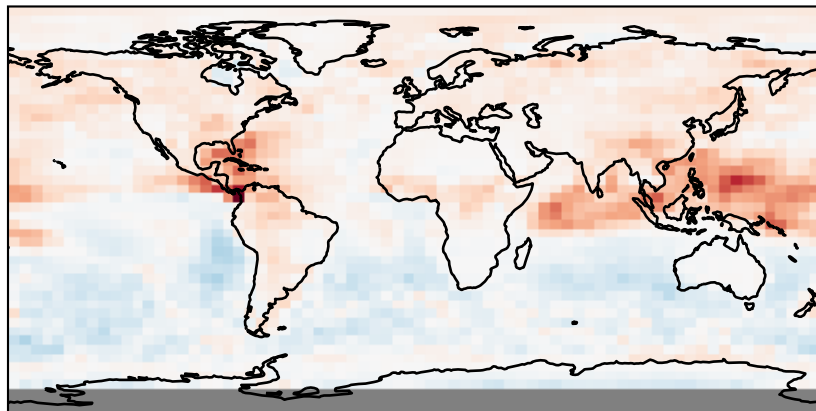
Difference  
Dev - Ref, Dynamic Range



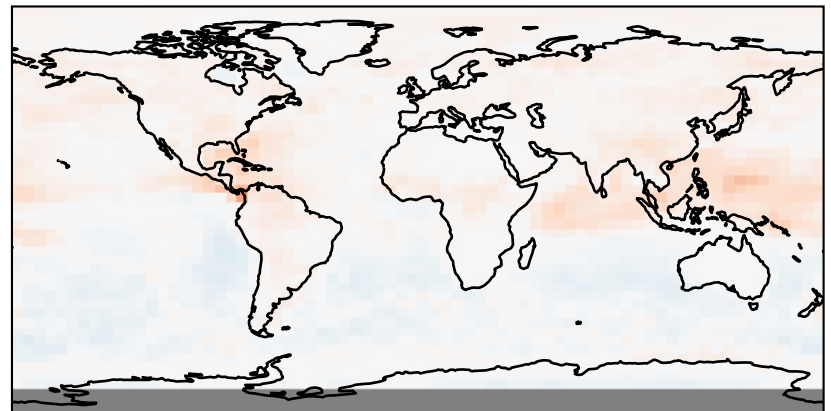
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

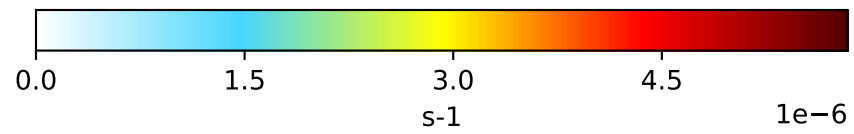
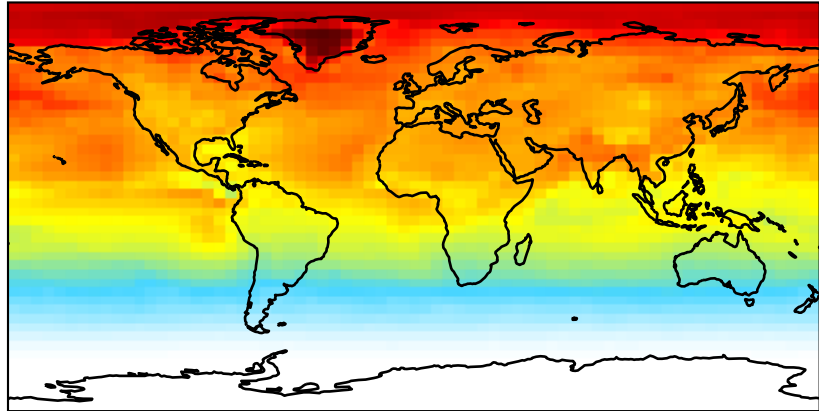


Ratio  
Dev/Ref, Fixed Range

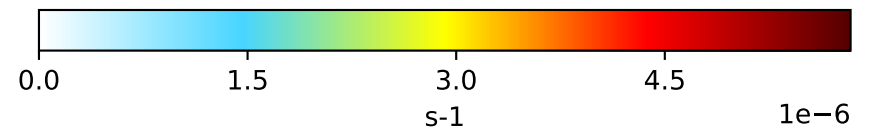
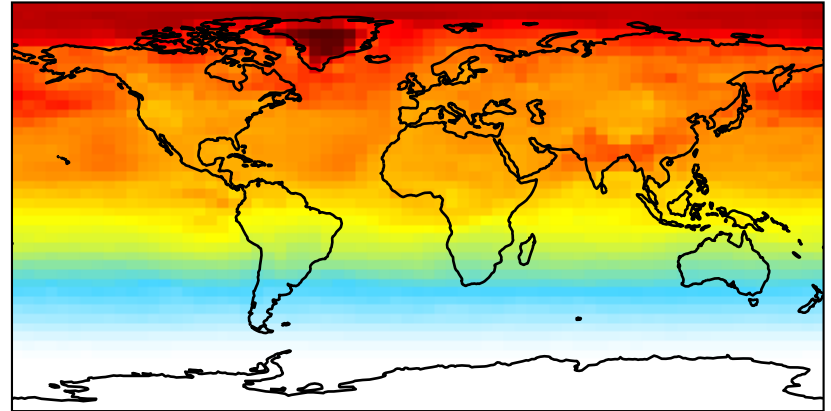


# Jval\_RA3P

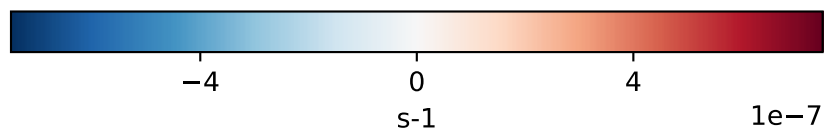
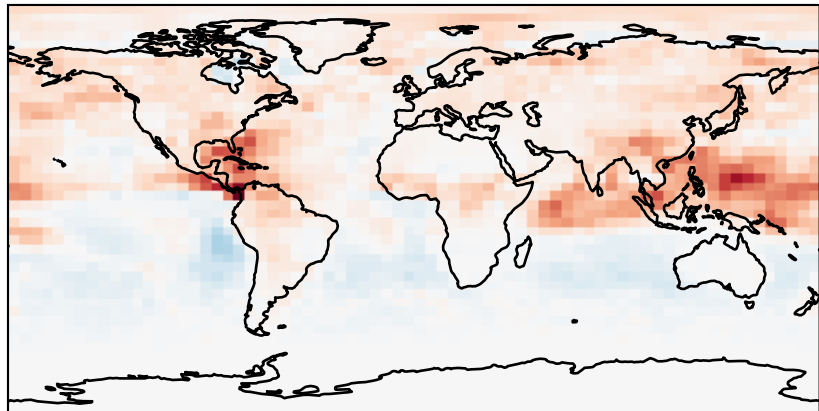
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



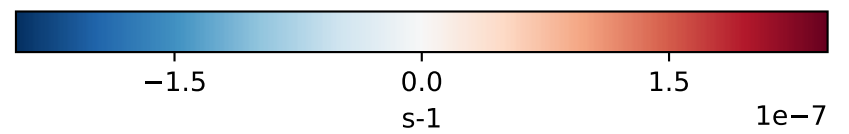
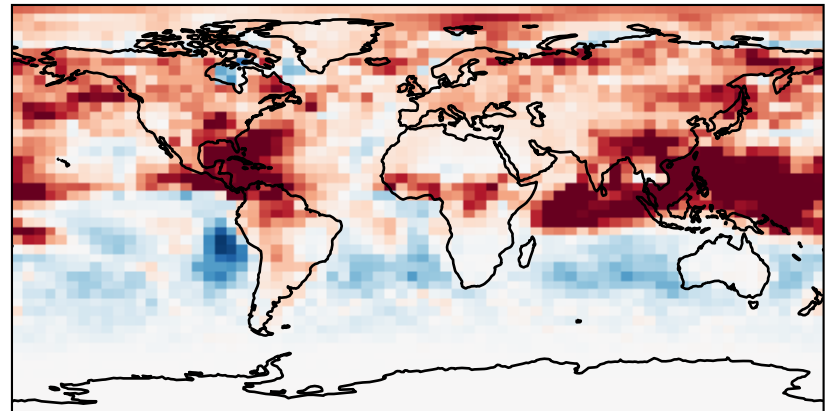
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



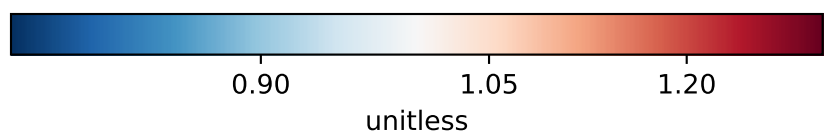
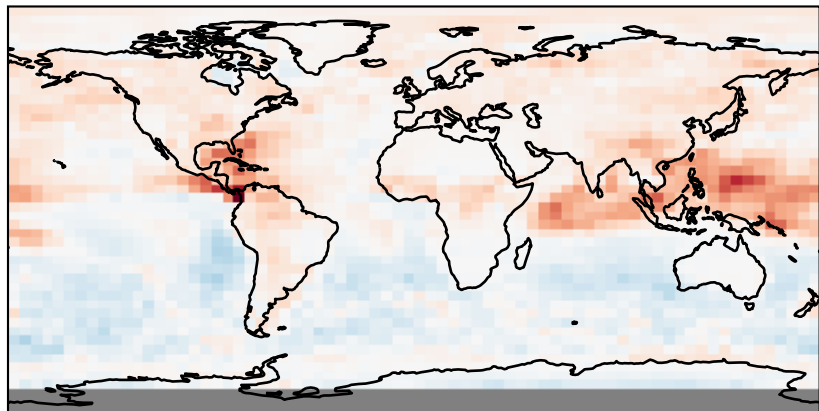
Difference  
Dev - Ref, Dynamic Range



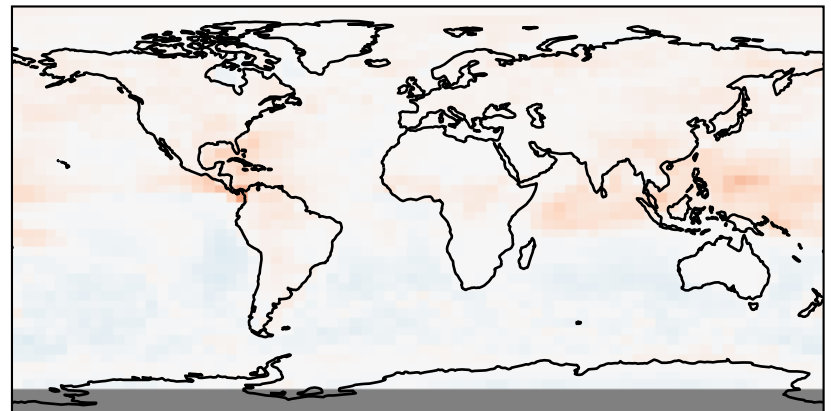
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

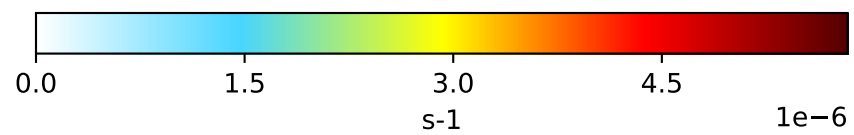
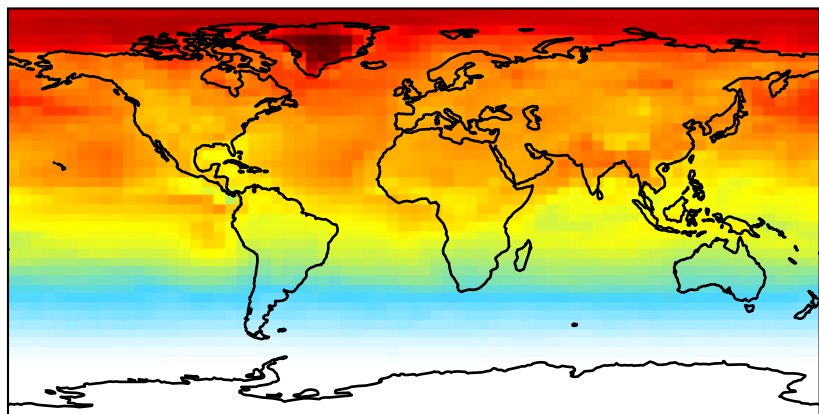


Ratio  
Dev/Ref, Fixed Range

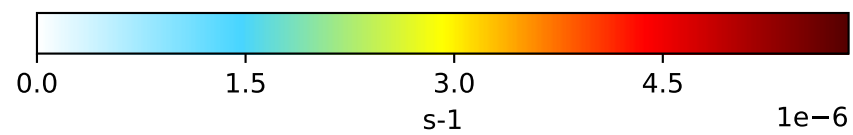
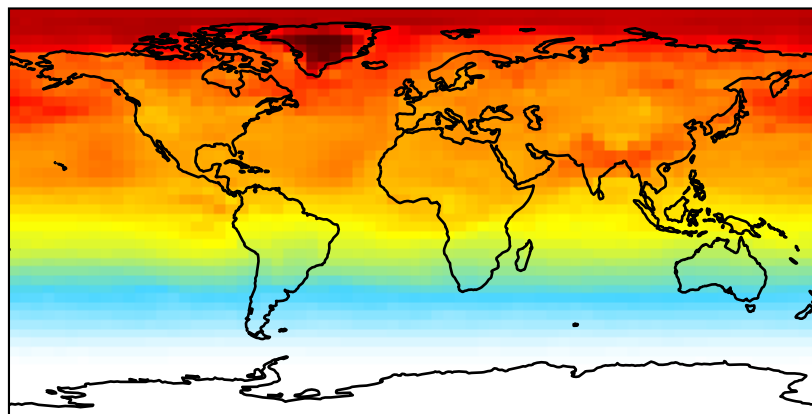


# Jval\_RB3P

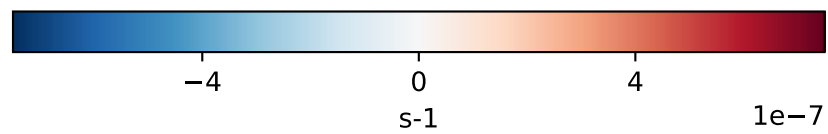
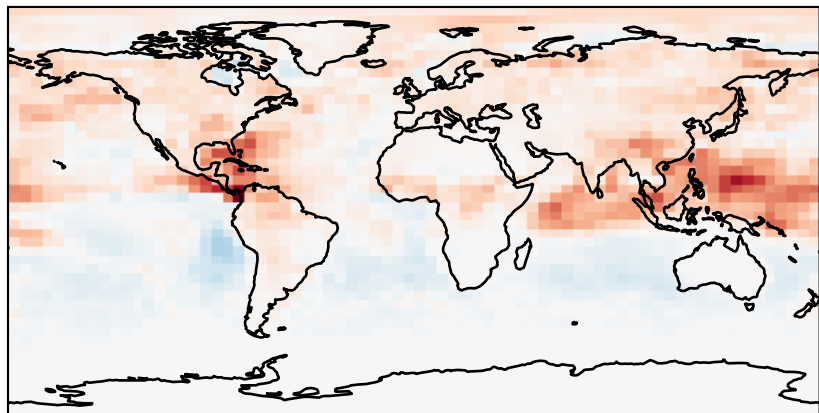
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



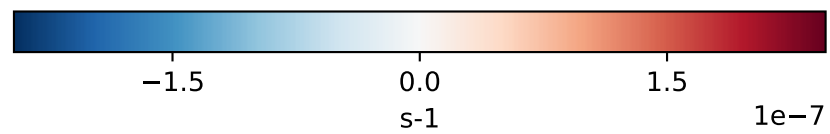
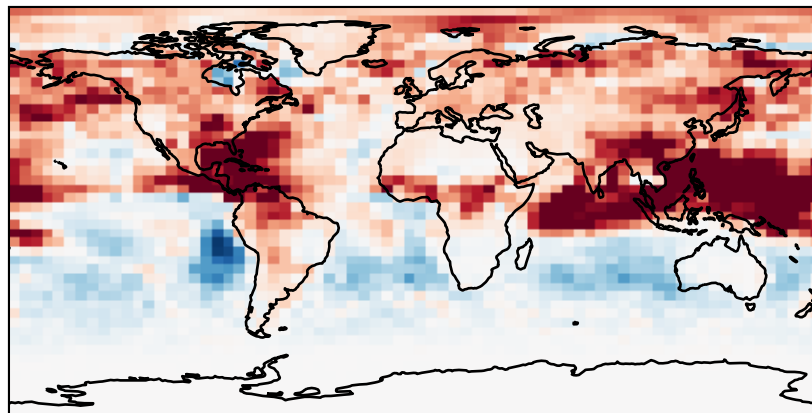
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



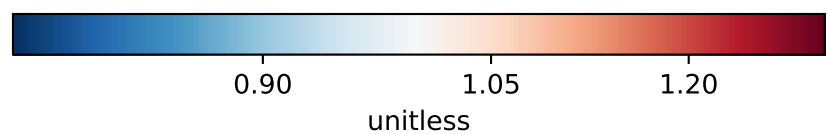
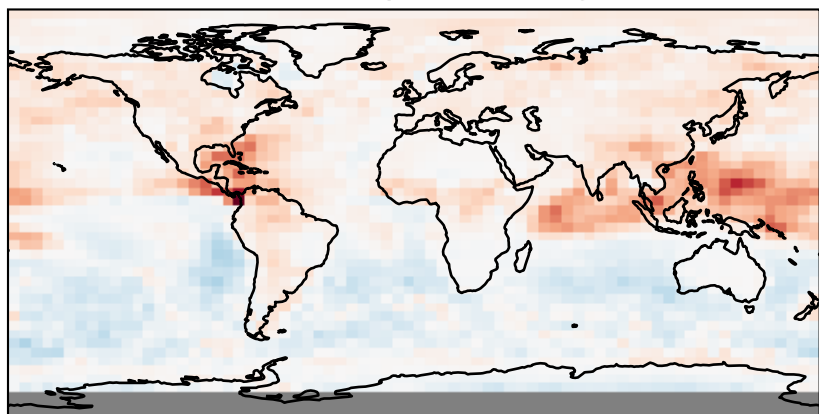
Difference  
Dev - Ref, Dynamic Range



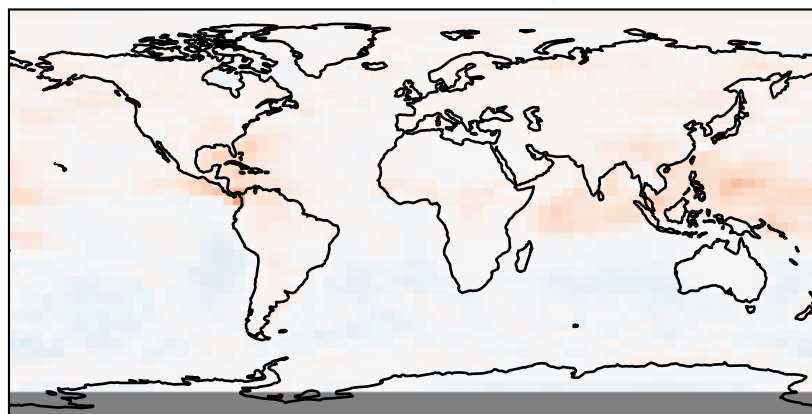
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



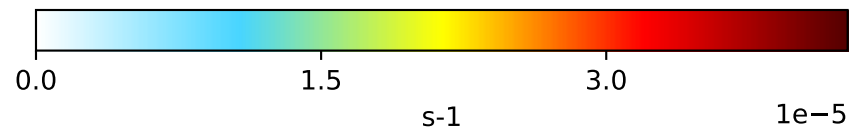
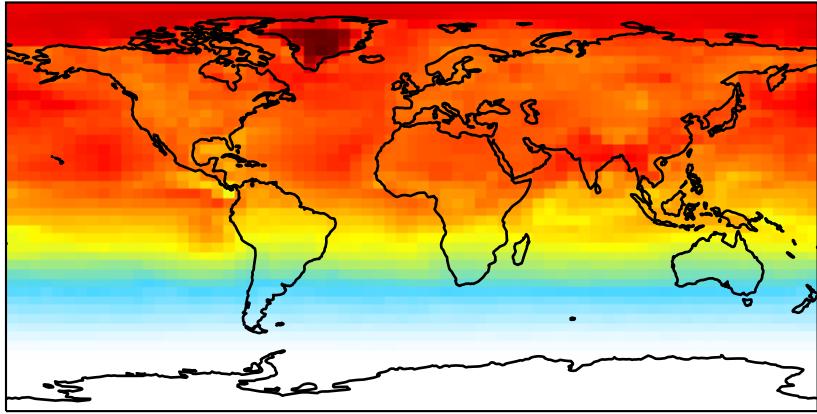
Ratio  
Dev/Ref, Fixed Range



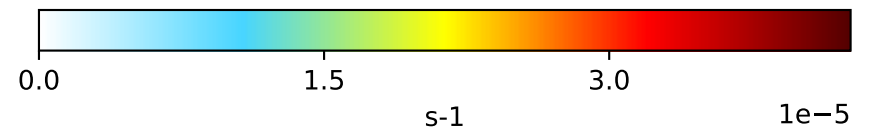
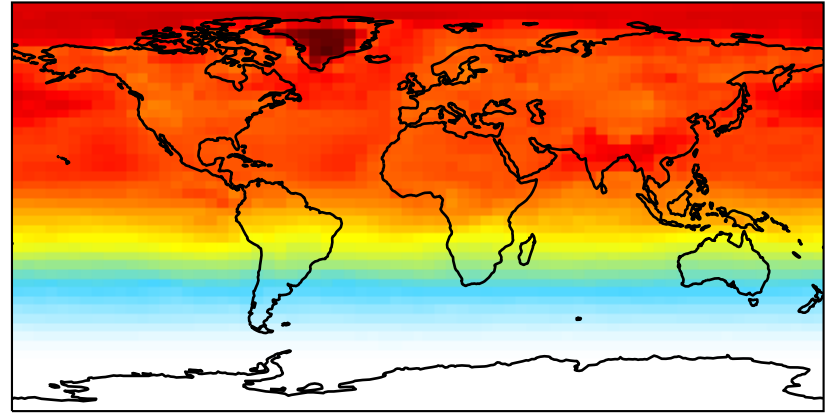


# Jval\_RCHO

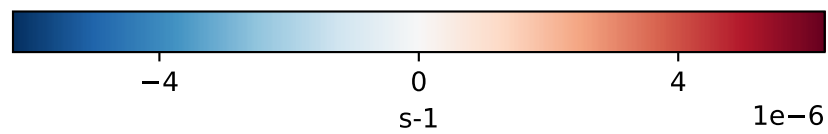
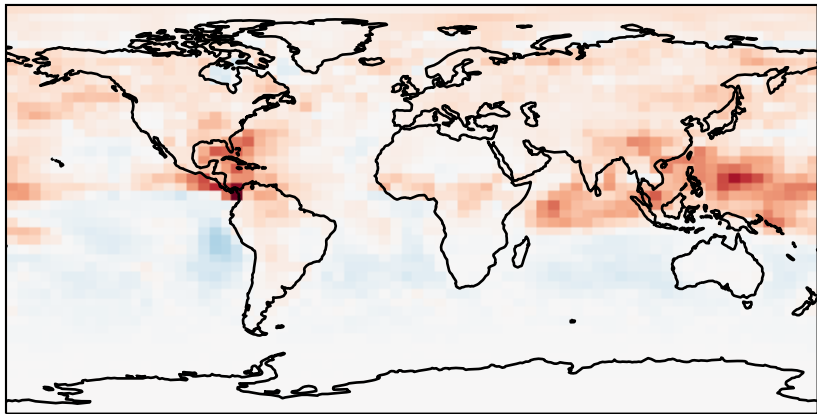
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



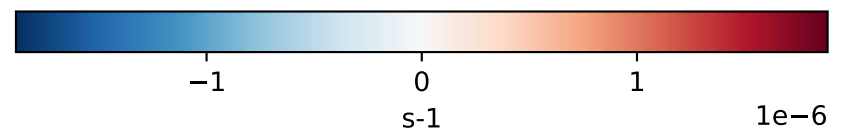
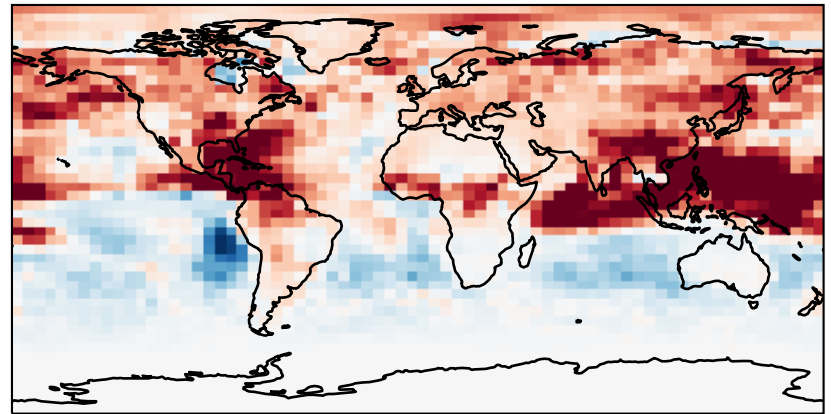
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



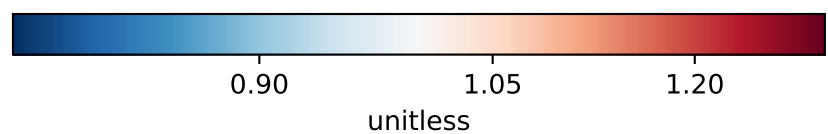
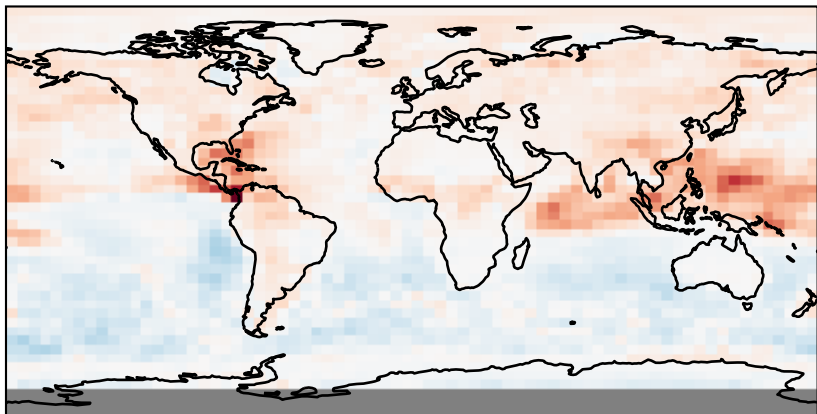
Difference  
Dev - Ref, Dynamic Range



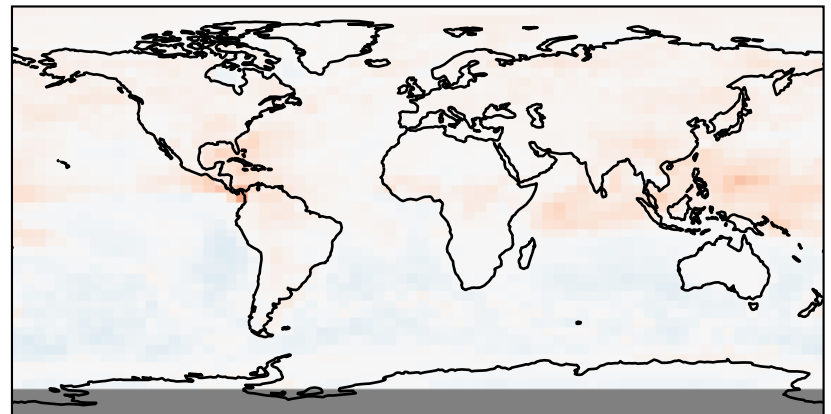
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

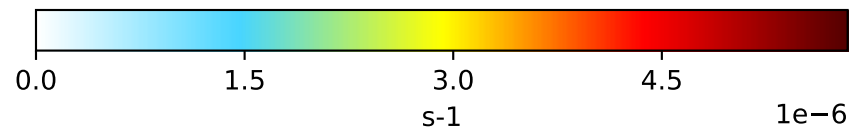
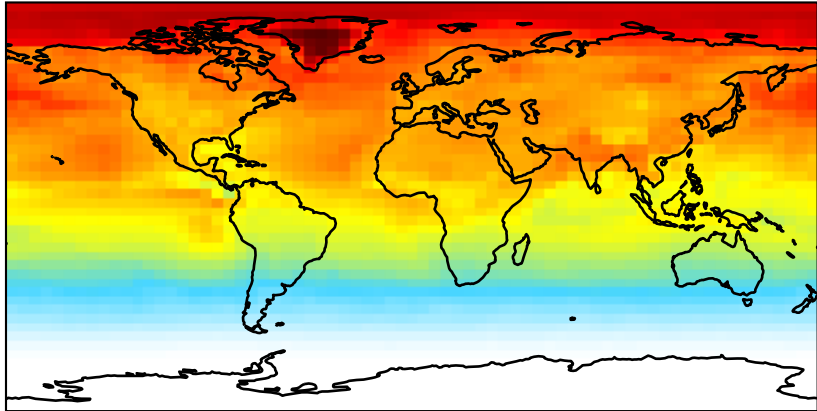


Ratio  
Dev/Ref, Fixed Range

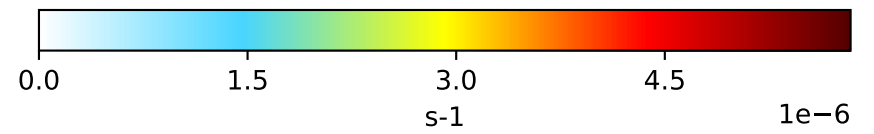
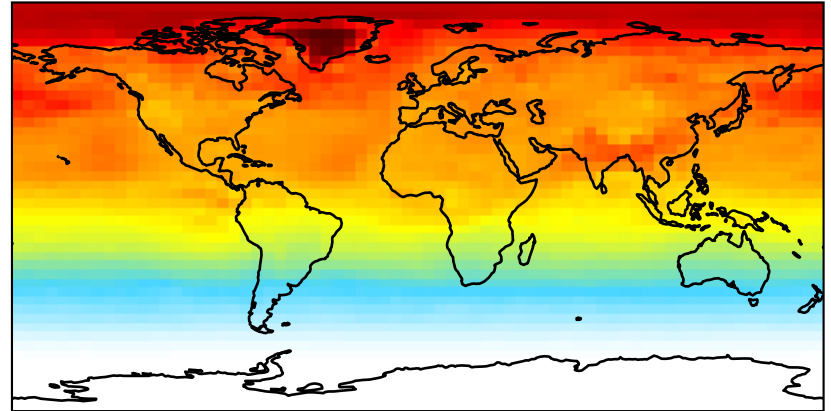


# Jval\_RIPA

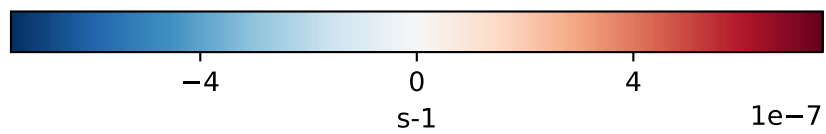
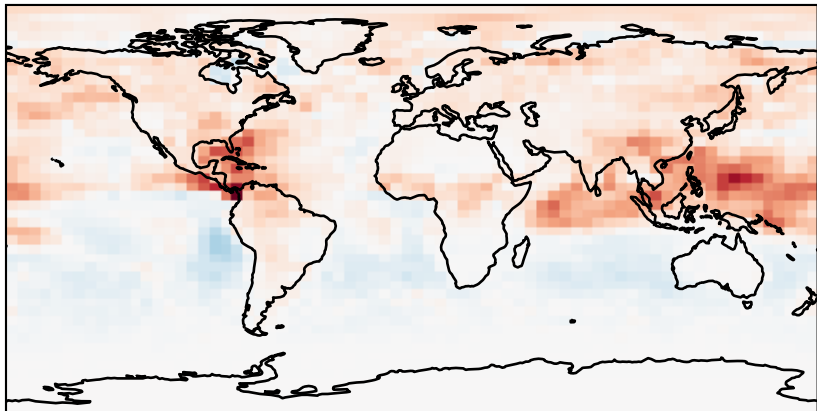
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



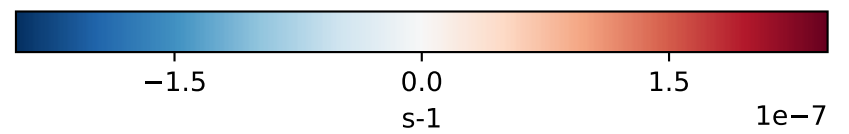
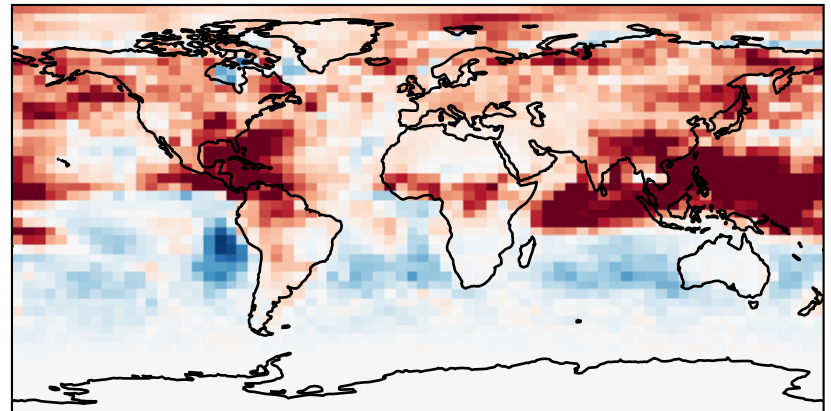
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



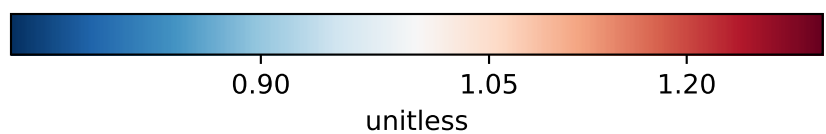
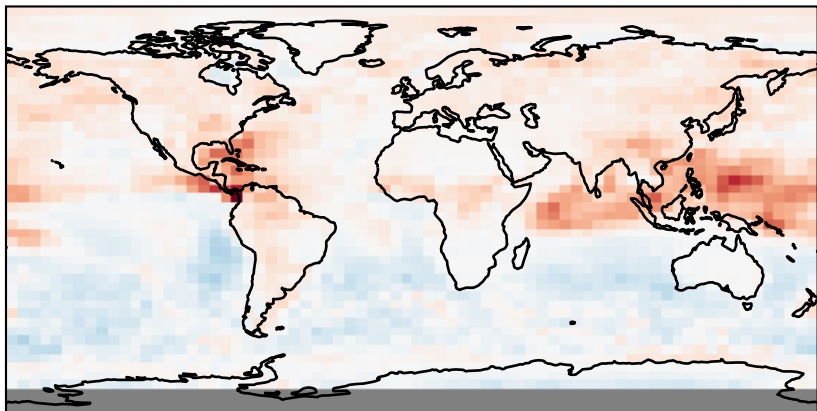
Difference  
Dev - Ref, Dynamic Range



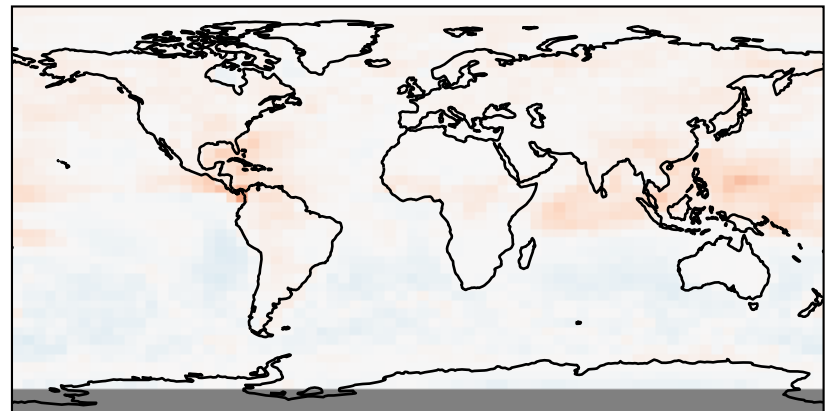
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

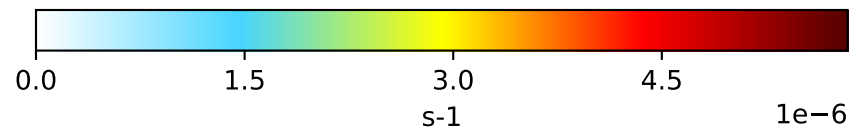
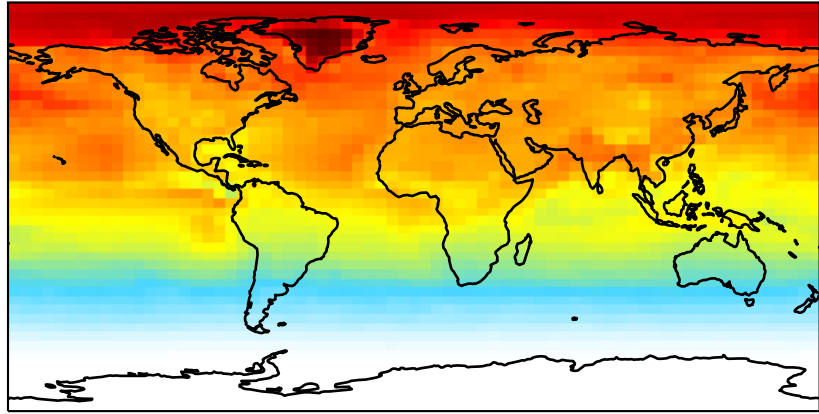


Ratio  
Dev/Ref, Fixed Range

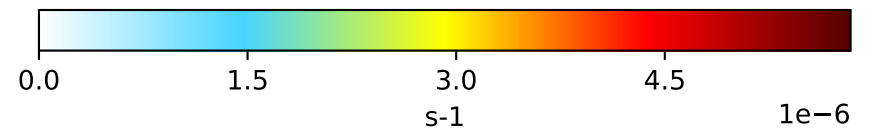
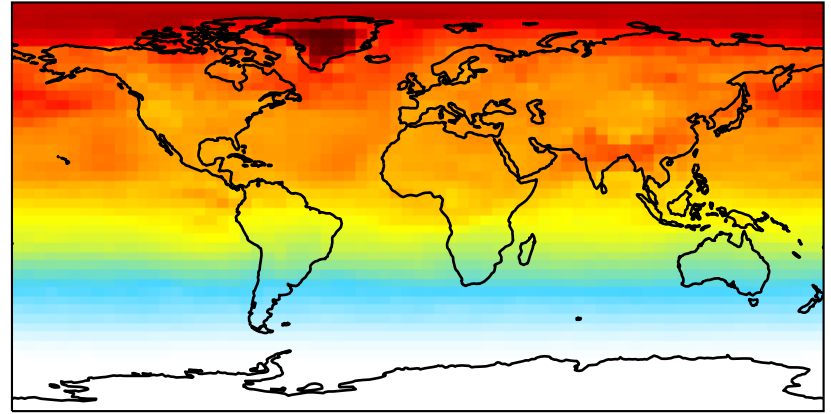


# Jval\_RIPB

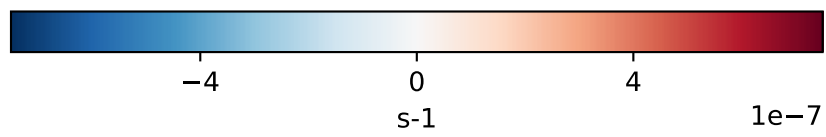
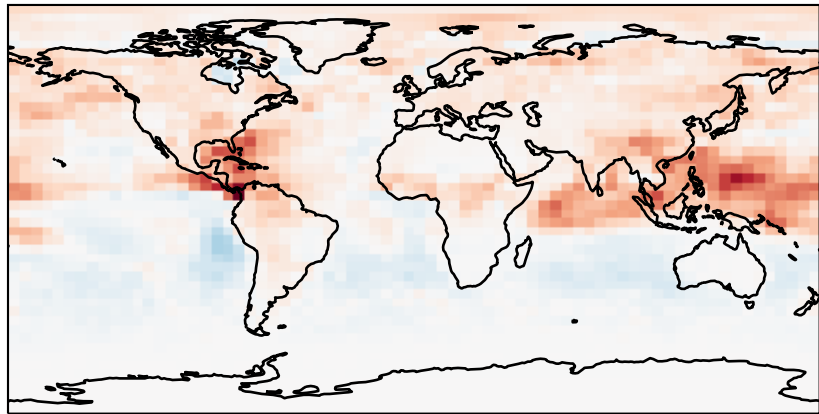
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



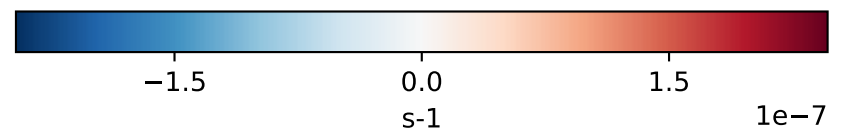
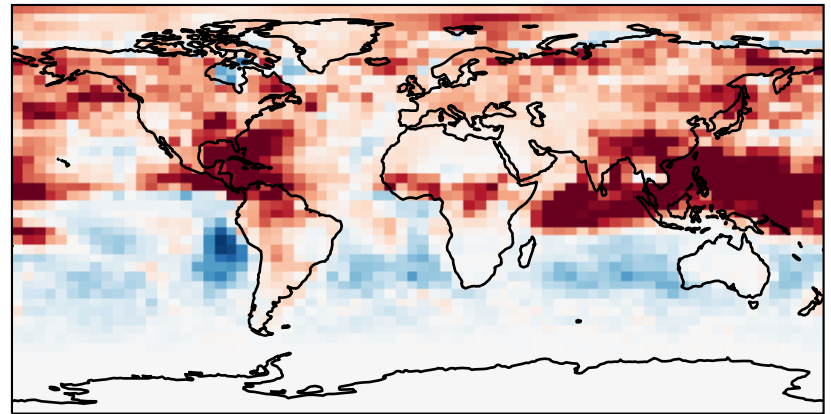
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



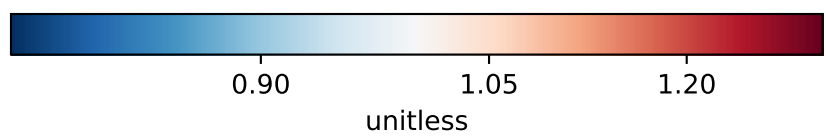
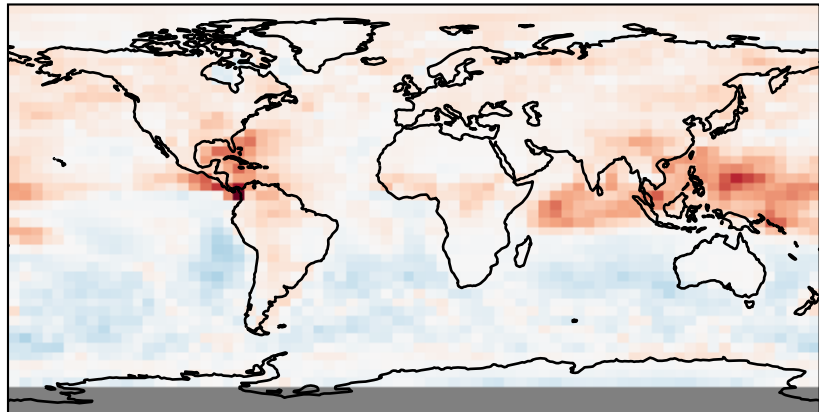
Difference  
Dev - Ref, Dynamic Range



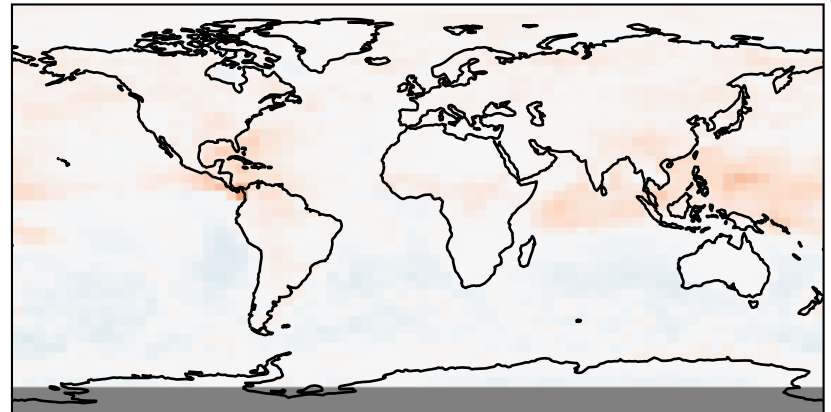
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

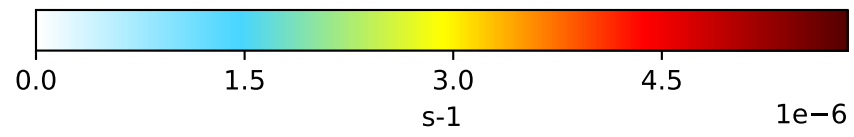
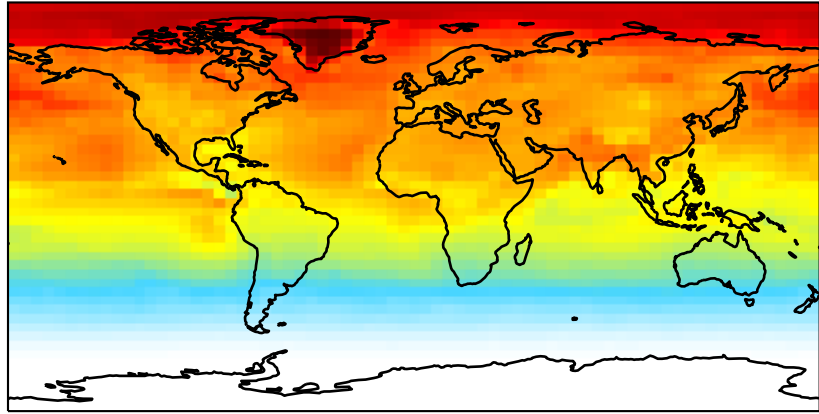


Ratio  
Dev/Ref, Fixed Range

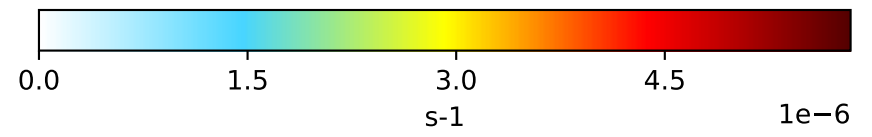
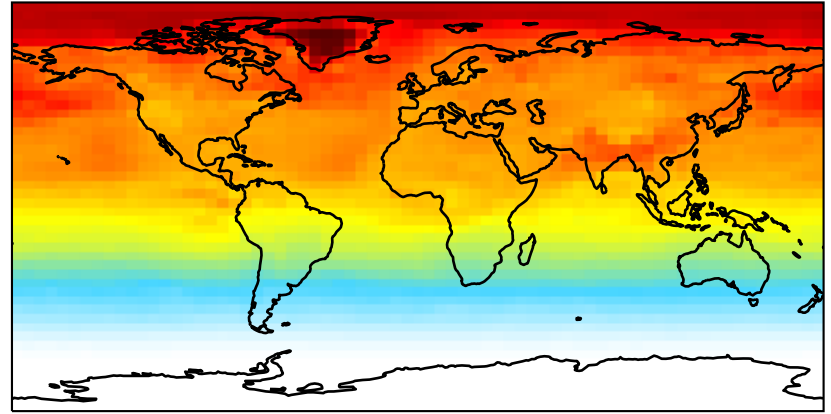


# Jval\_RIPC

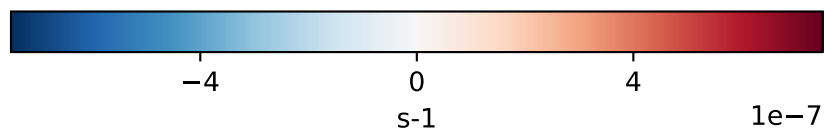
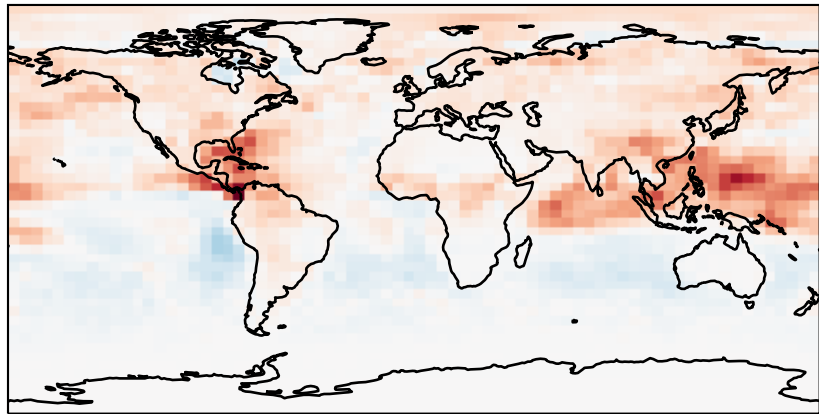
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



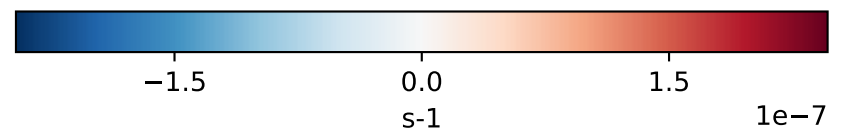
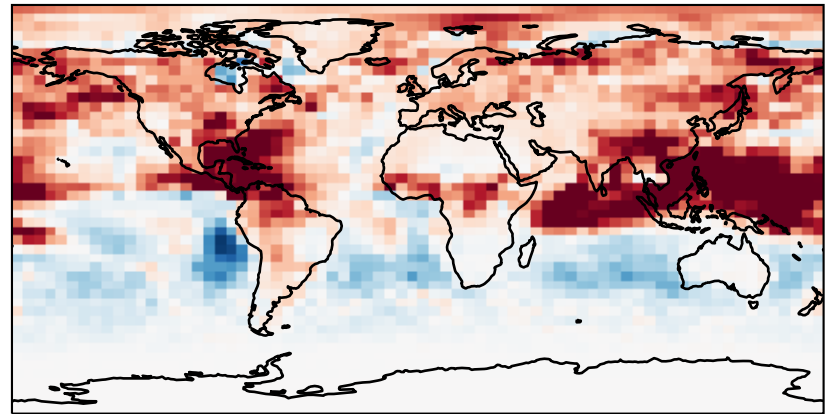
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



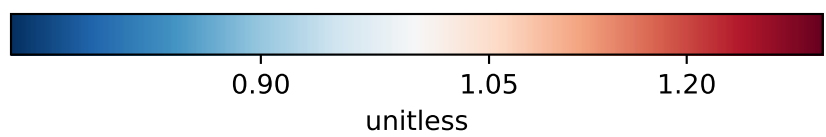
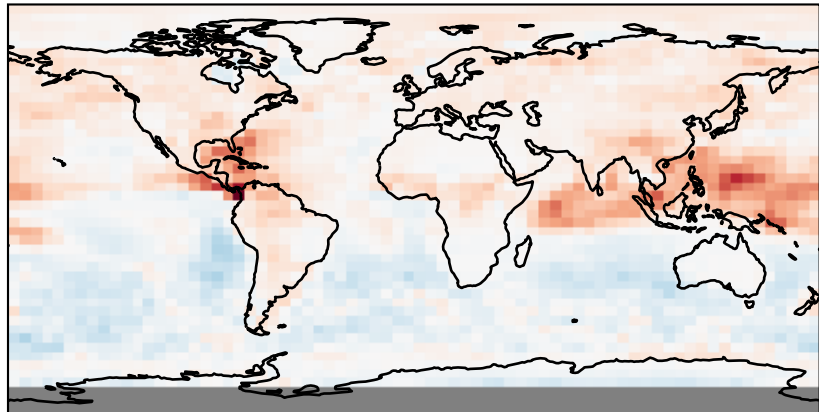
Difference  
Dev - Ref, Dynamic Range



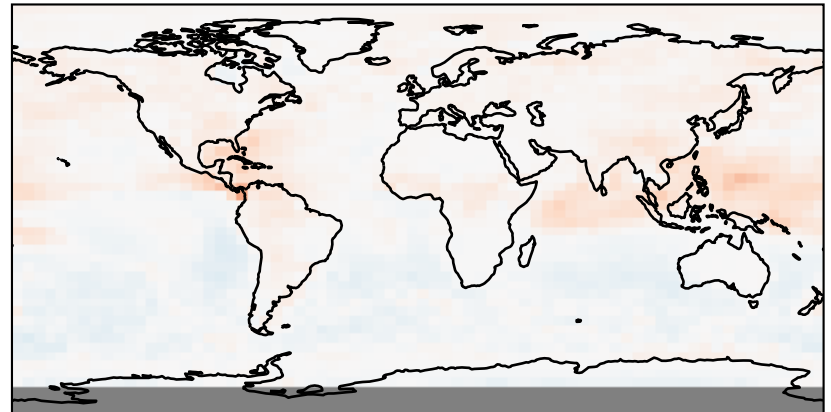
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

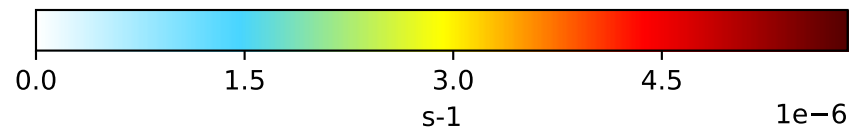
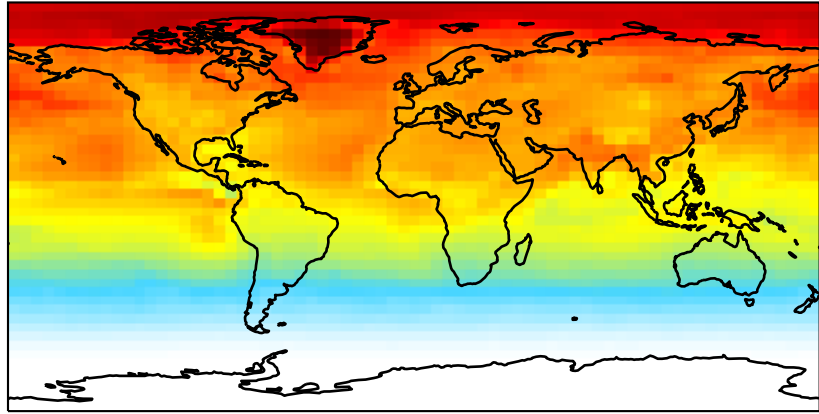


Ratio  
Dev/Ref, Fixed Range

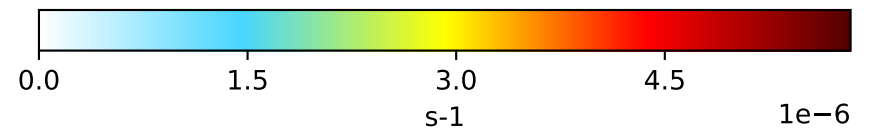
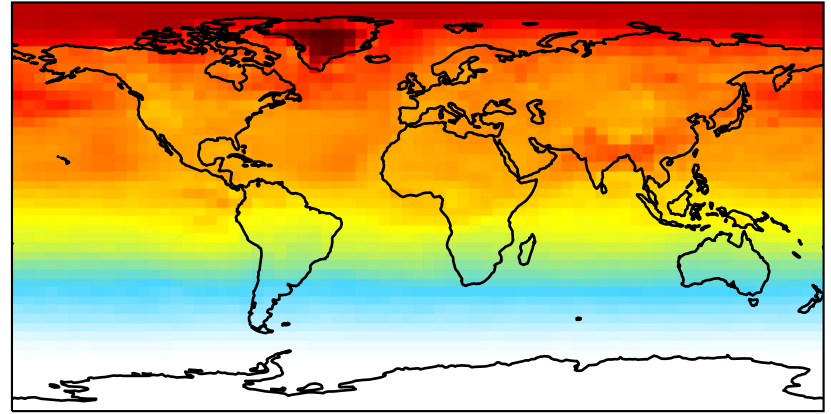


# Jval\_RIPD

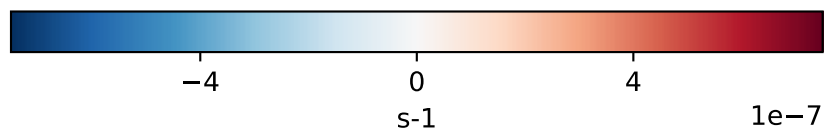
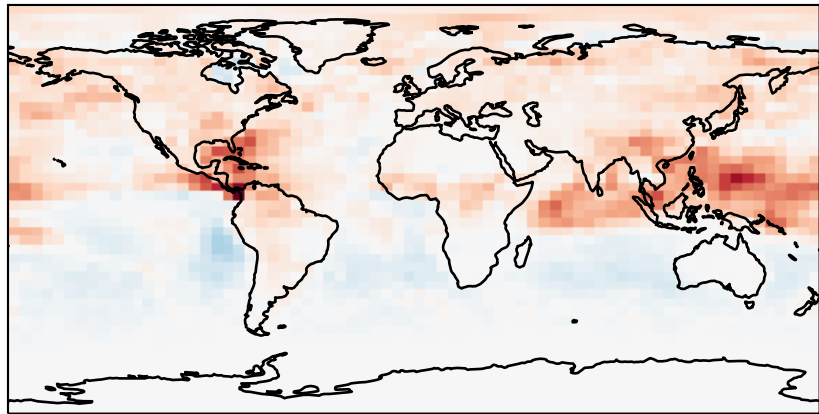
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



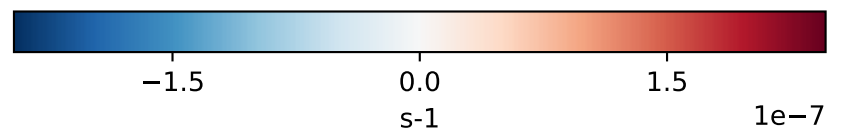
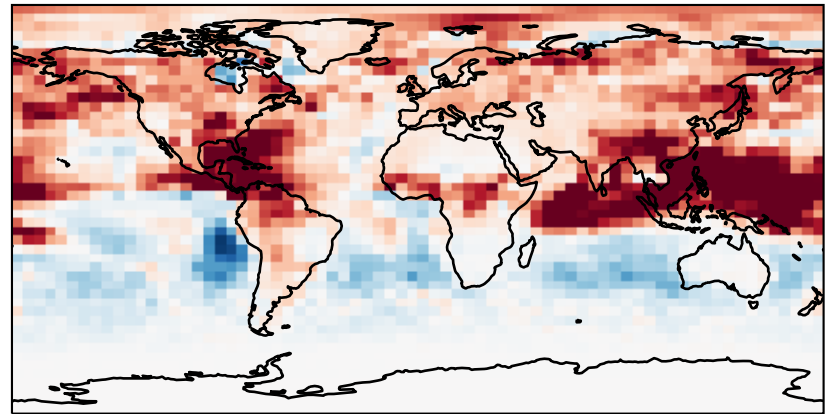
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



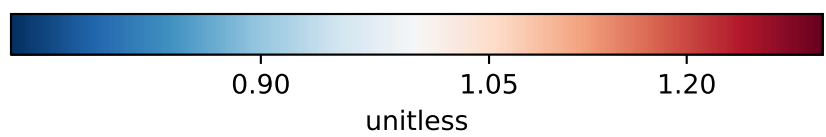
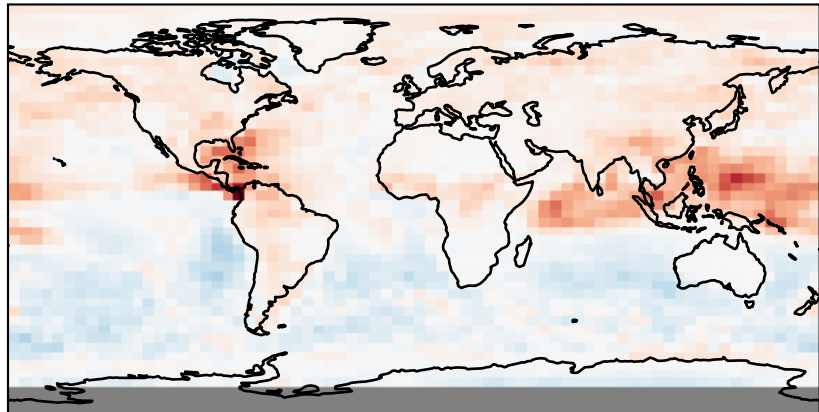
Difference  
Dev - Ref, Dynamic Range



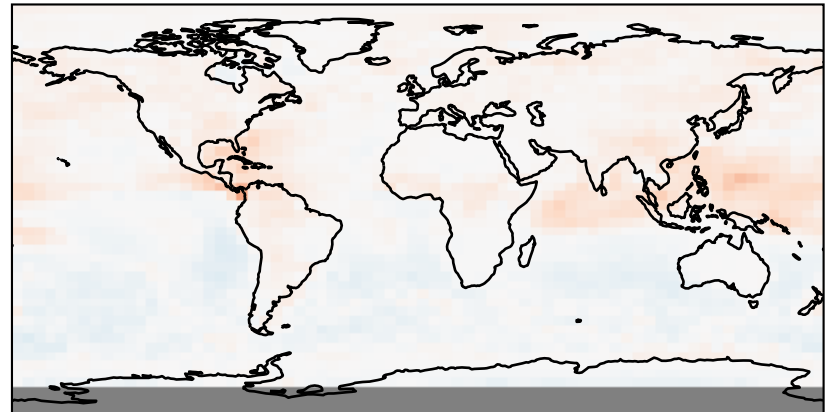
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

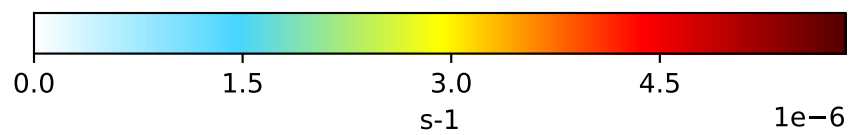
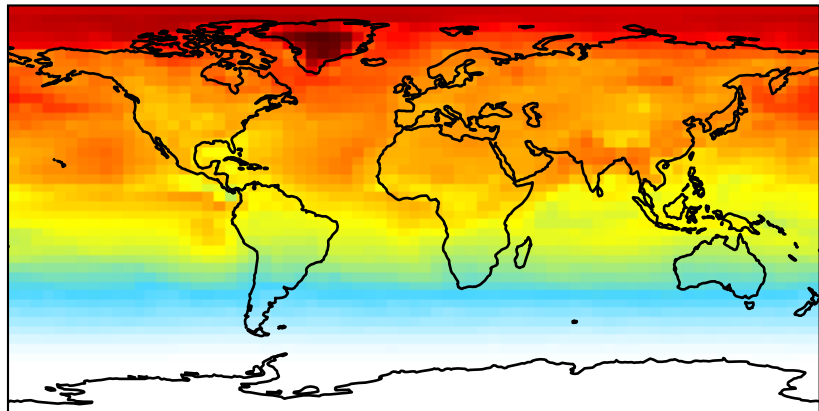


Ratio  
Dev/Ref, Fixed Range

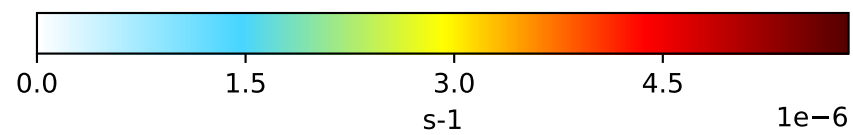
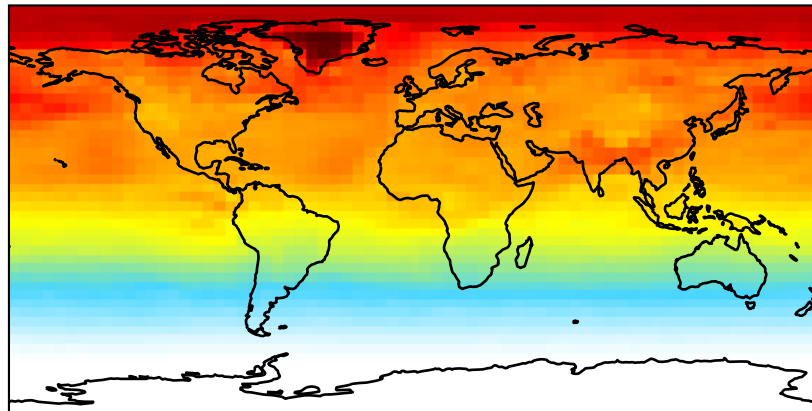


# Jval\_RP

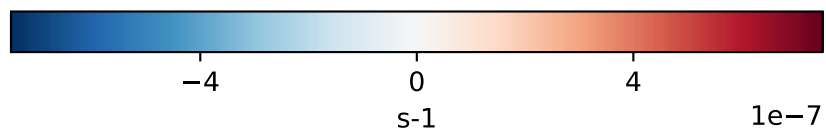
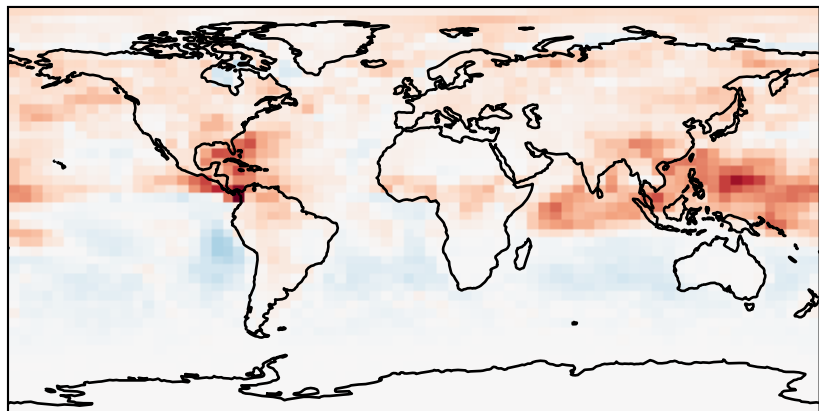
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



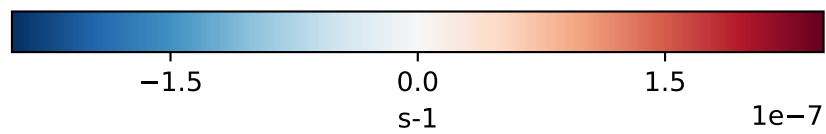
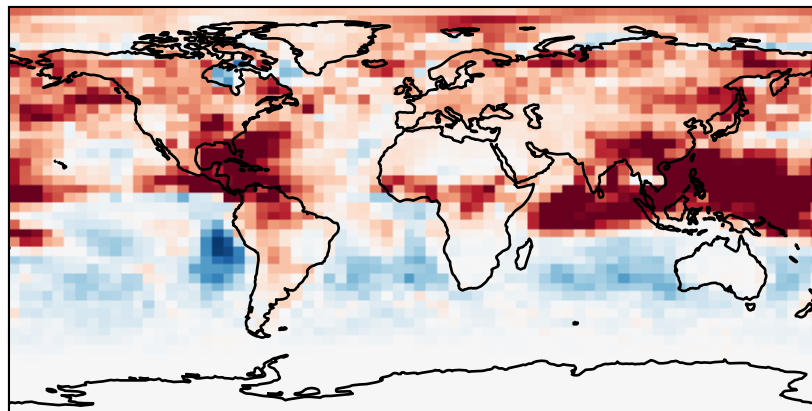
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



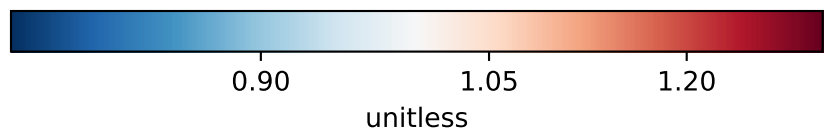
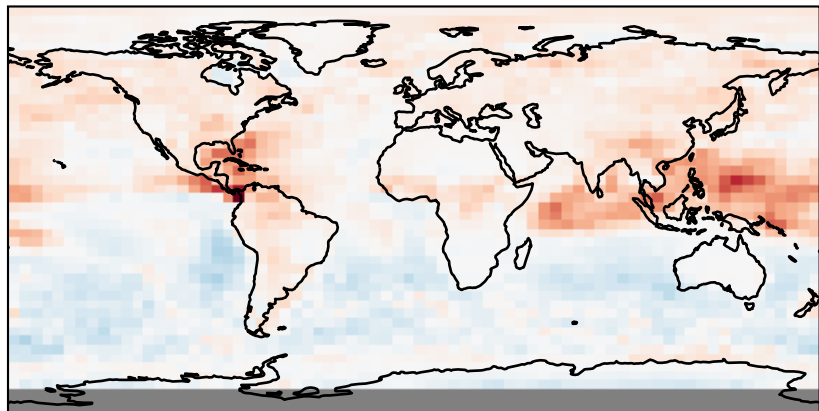
Difference  
Dev - Ref, Dynamic Range



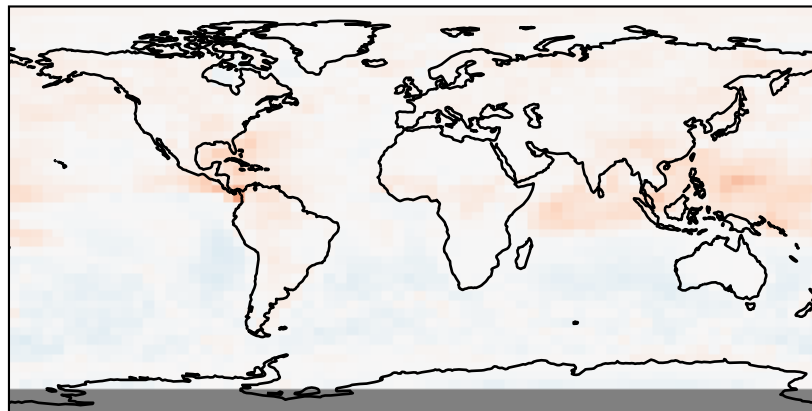
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



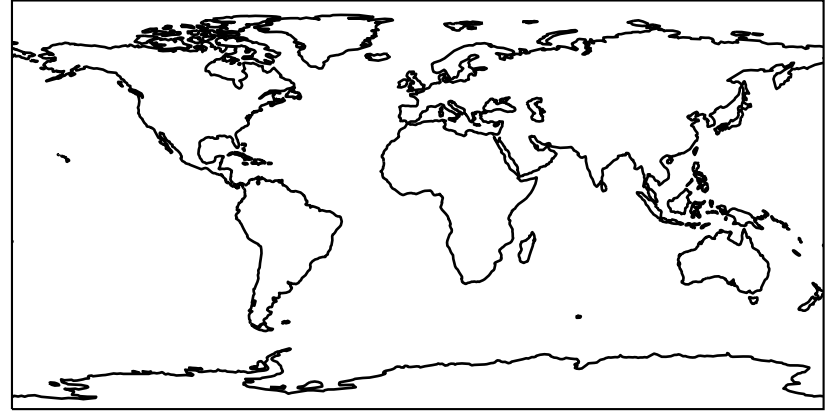
# Jval\_S04

GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



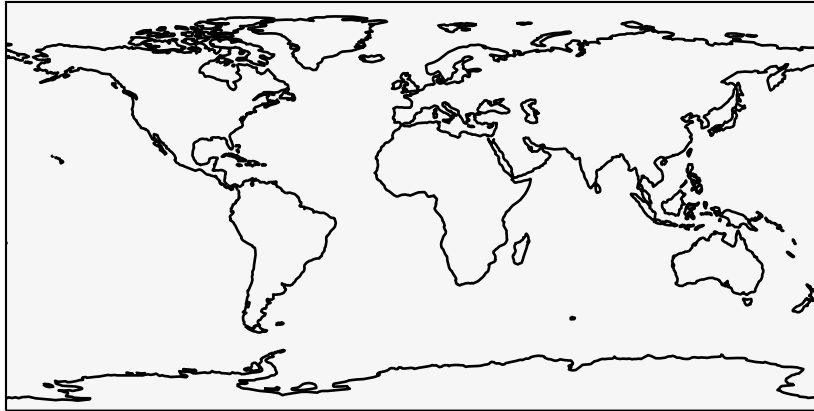
Zero throughout domain  
s-1

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



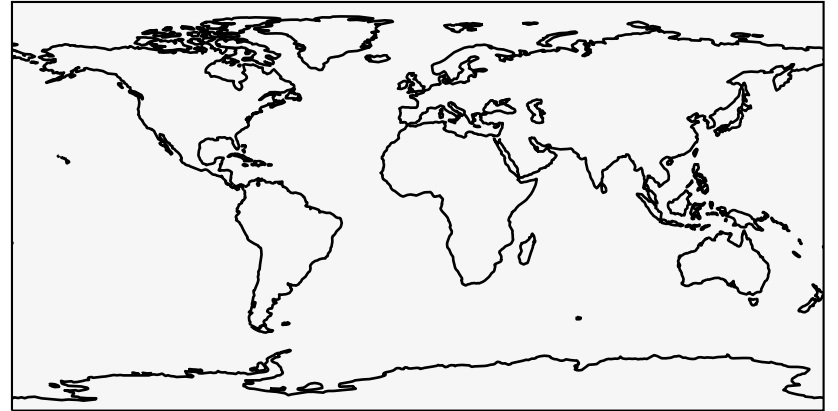
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



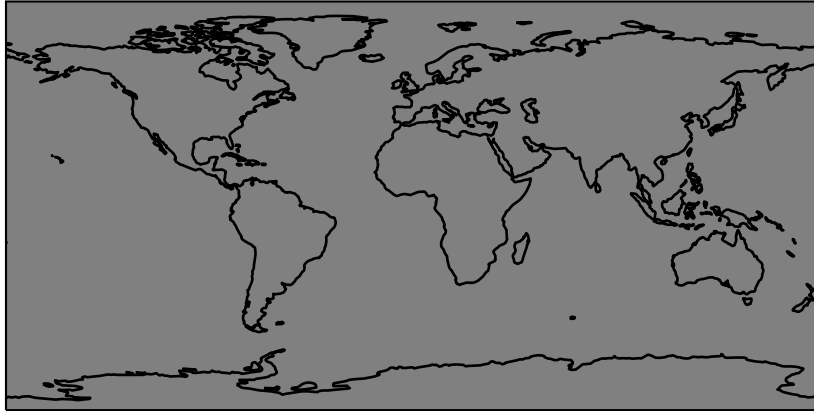
Zero throughout domain  
s-1

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



Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range



Undefined throughout domain  
unitless