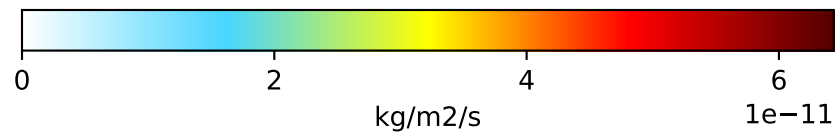
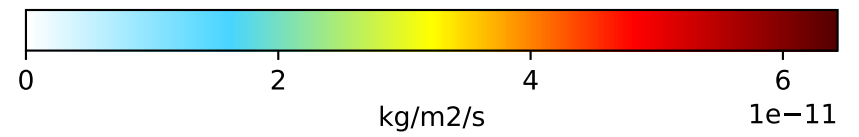
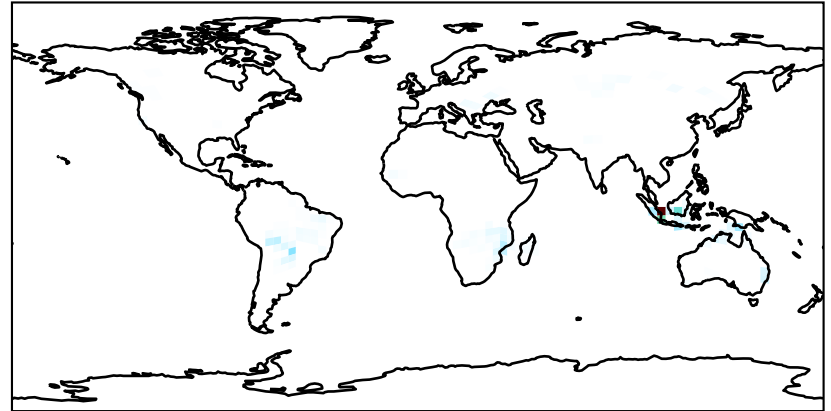


# EmisACET\_BioBurn (Oct2019)

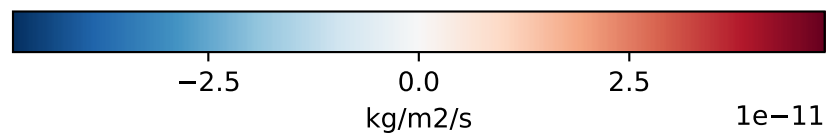
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



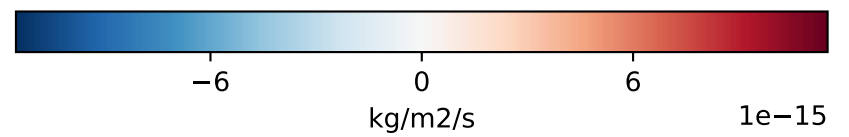
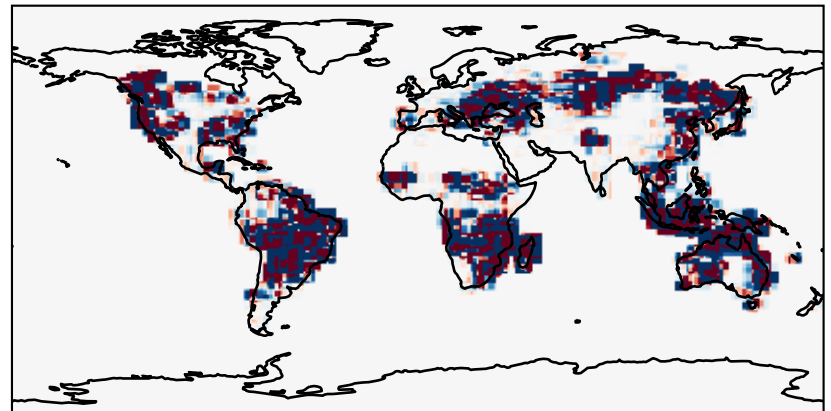
GCHP\_14.0.0-rc.3 (Dev)  
c24



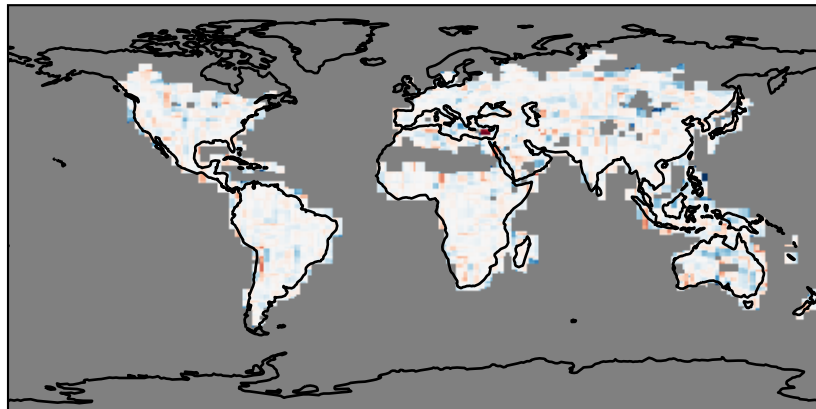
Difference (1x1.25)  
Dev - Ref, Dynamic Range



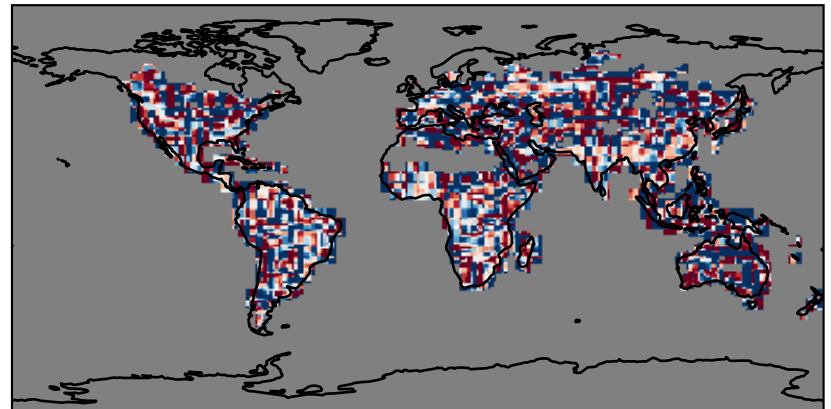
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

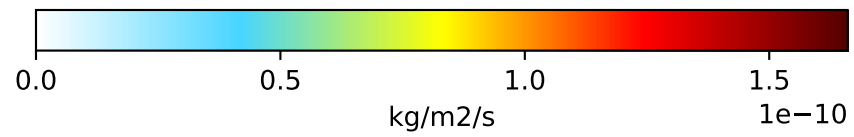
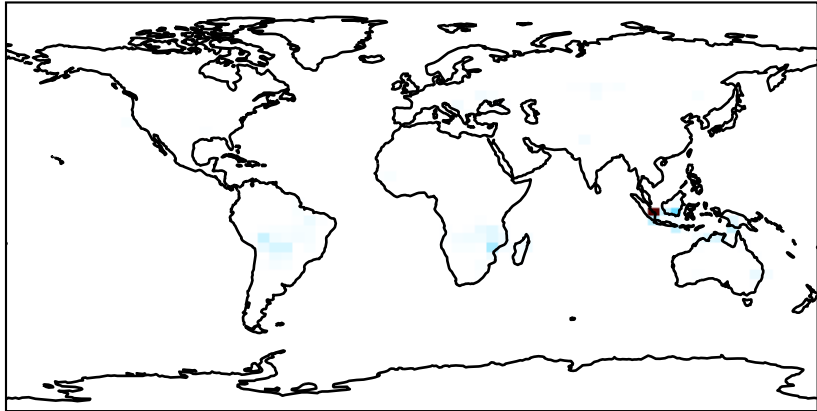


Ratio (1x1.25)  
Dev/Ref, Fixed Range

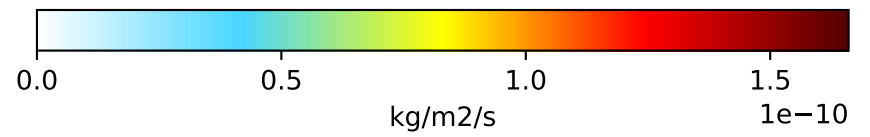
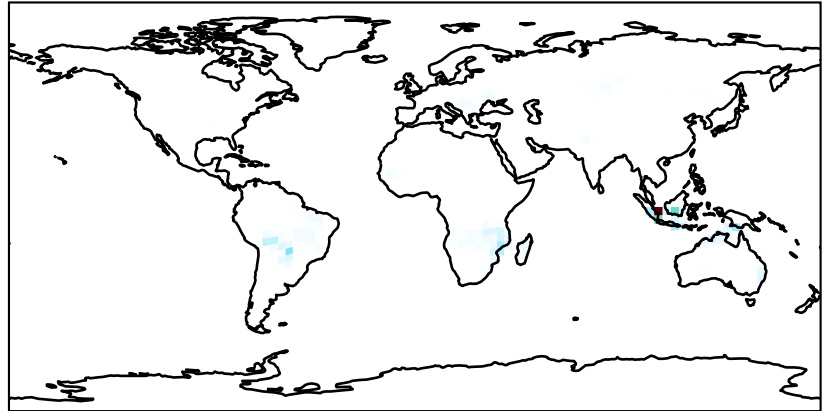


# EmisALD2\_BioBurn (Oct2019)

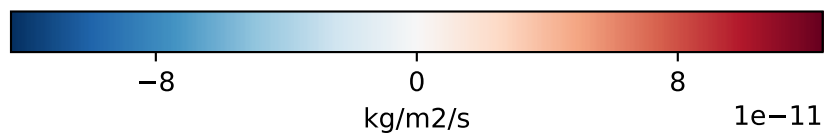
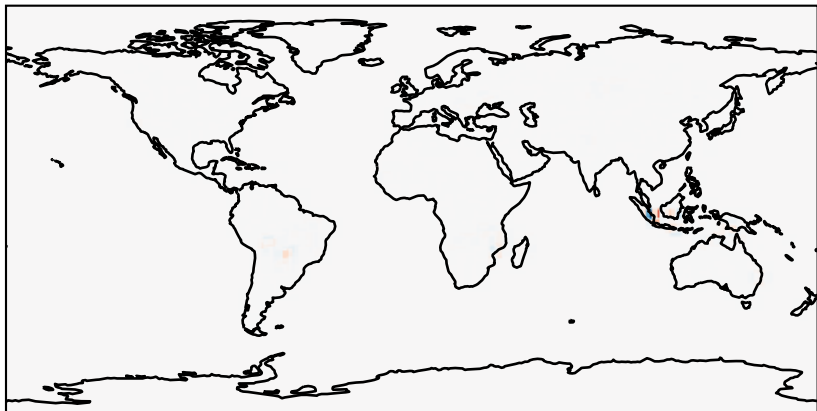
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



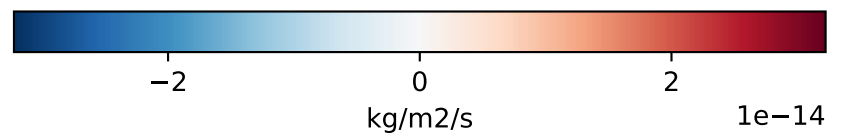
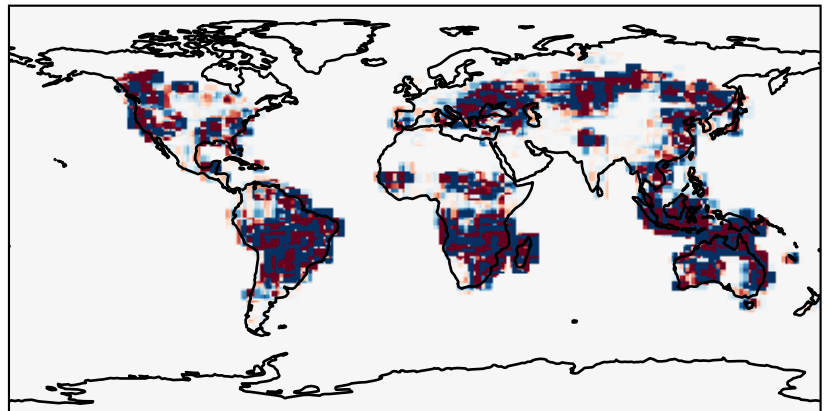
GCHP\_14.0.0-rc.3 (Dev)  
c24



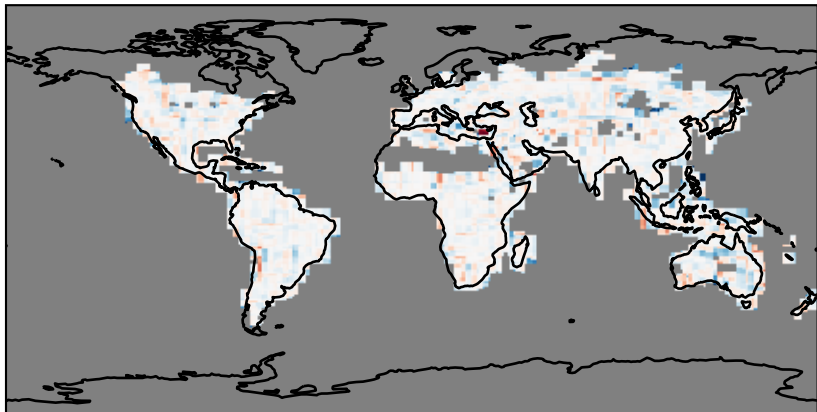
Difference (1x1.25)  
Dev - Ref, Dynamic Range



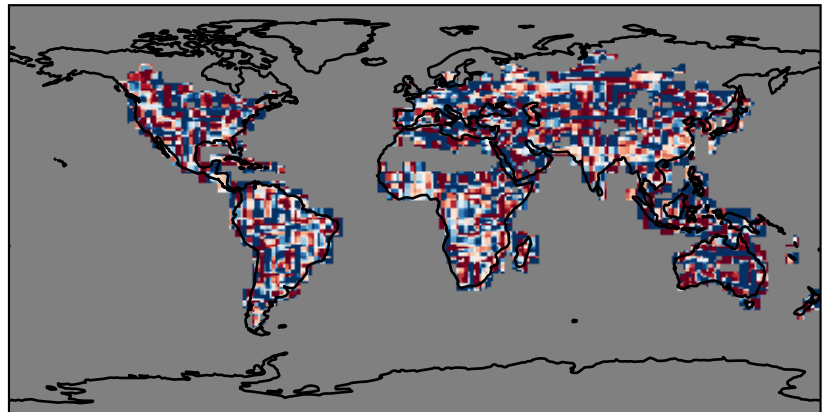
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

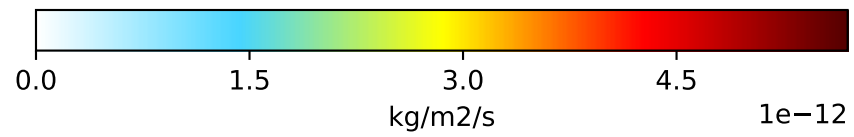
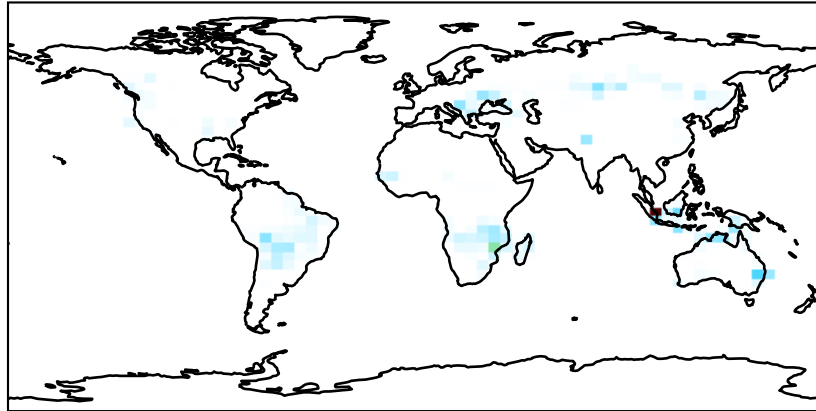


Ratio (1x1.25)  
Dev/Ref, Fixed Range

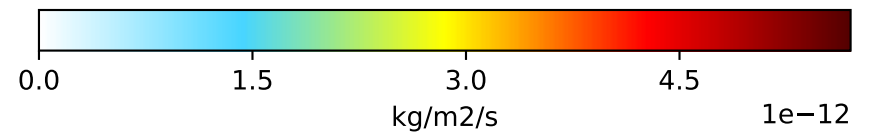
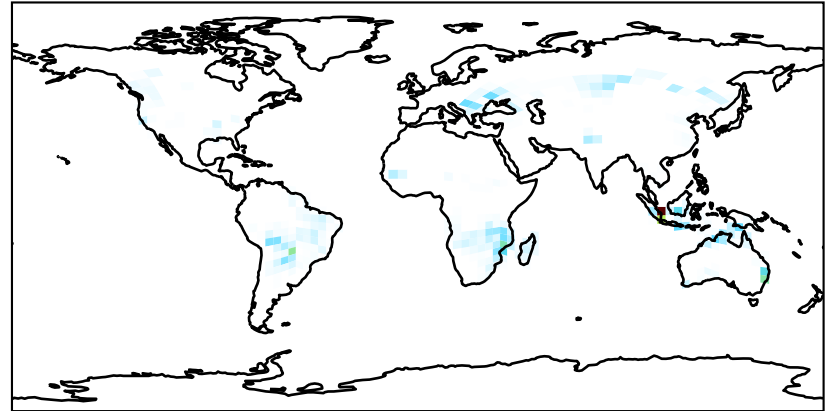


# EmisALK4\_BioBurn (Oct2019)

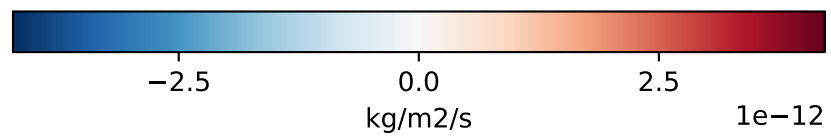
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



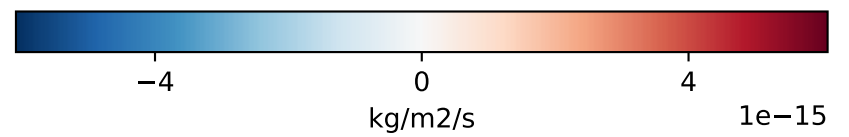
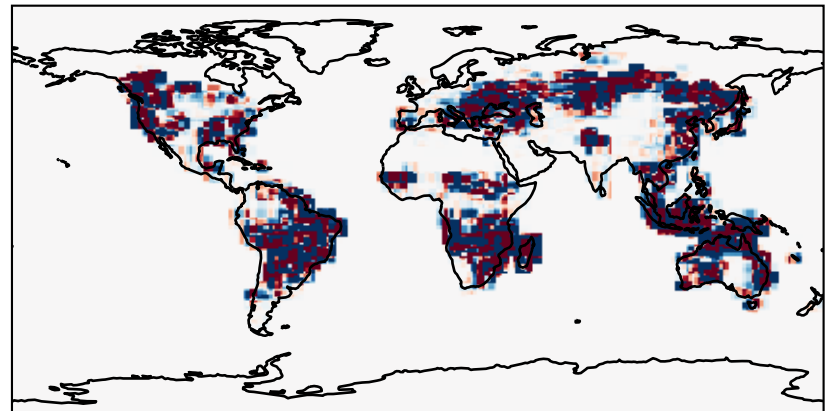
GCHP\_14.0.0-rc.3 (Dev)  
c24



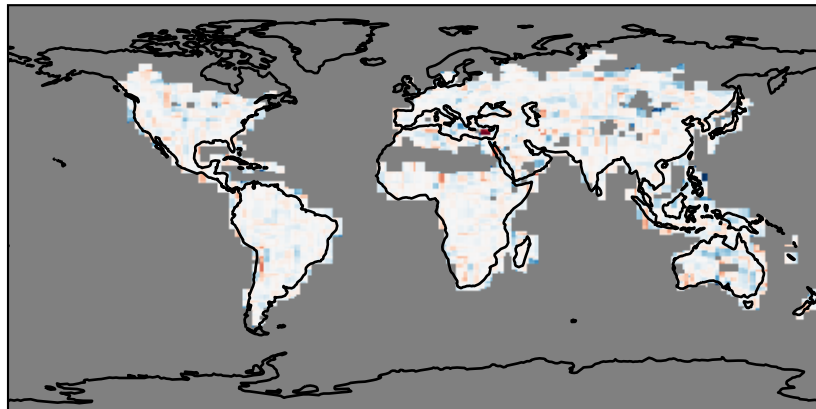
Difference (1x1.25)  
Dev - Ref, Dynamic Range



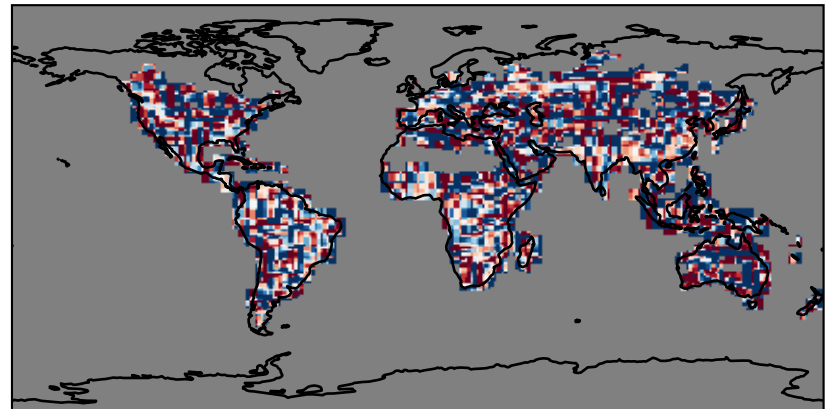
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

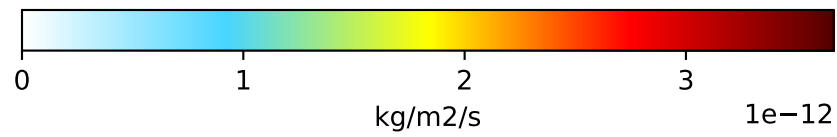
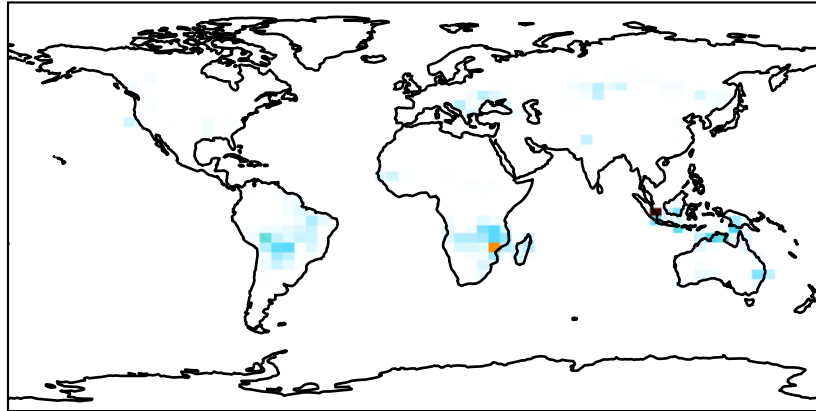


Ratio (1x1.25)  
Dev/Ref, Fixed Range

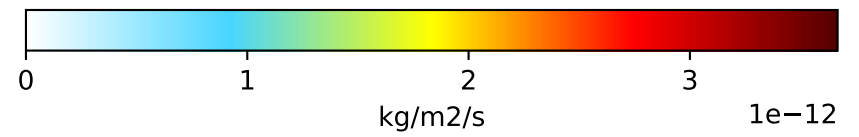
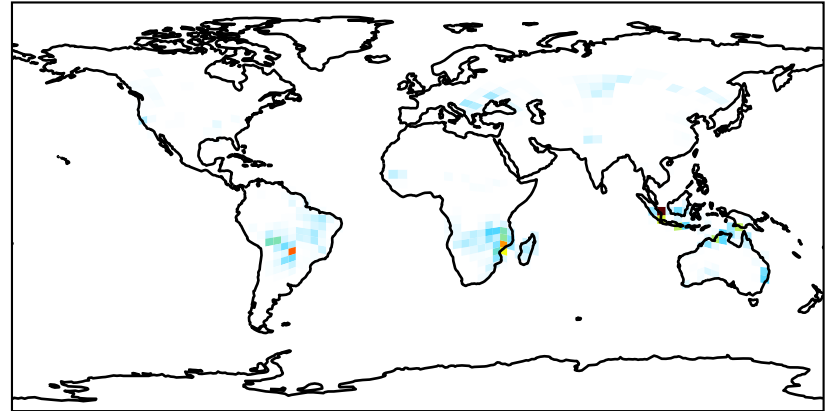


# EmisBCPI\_BioBurn (Oct2019)

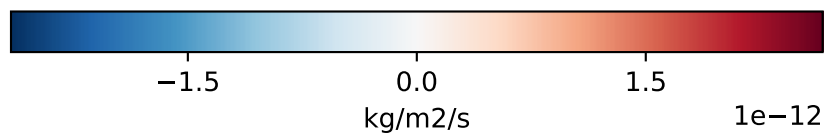
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



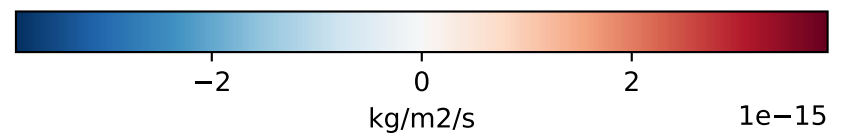
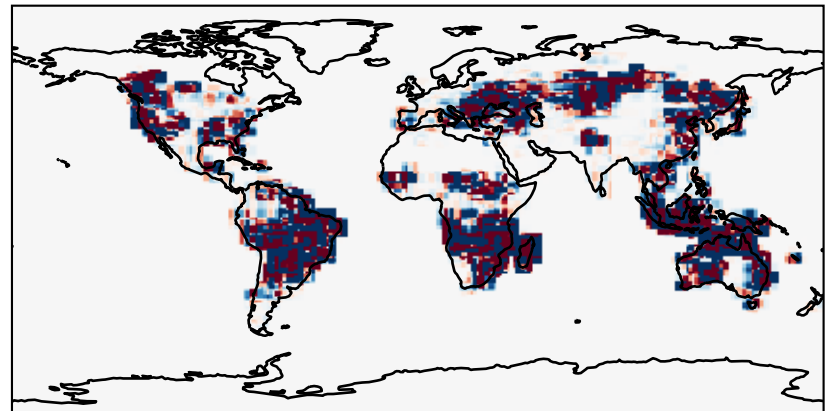
GCHP\_14.0.0-rc.3 (Dev)  
c24



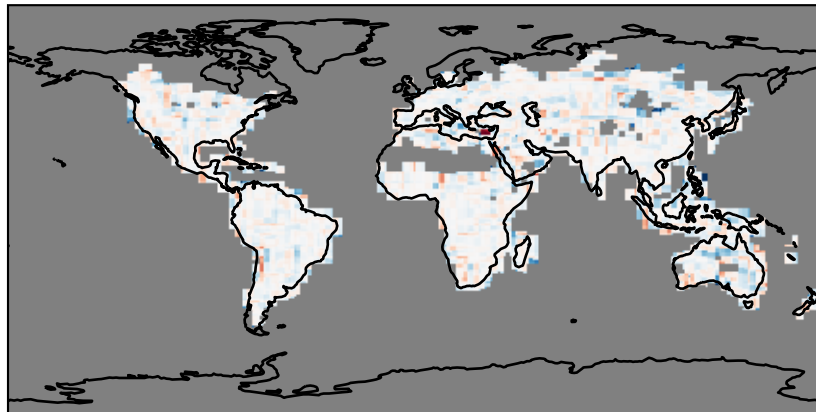
Difference (1x1.25)  
Dev - Ref, Dynamic Range



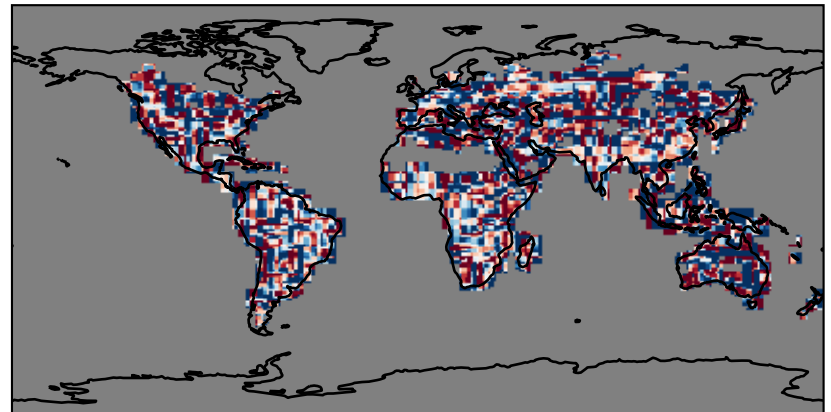
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



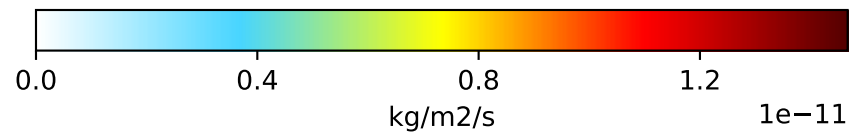
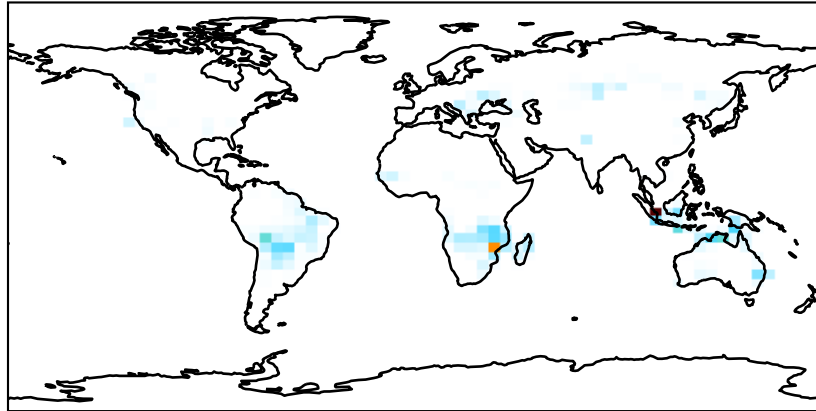
Ratio (1x1.25)  
Dev/Ref, Fixed Range



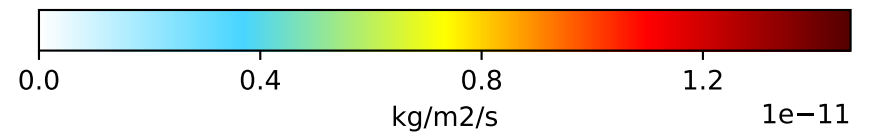
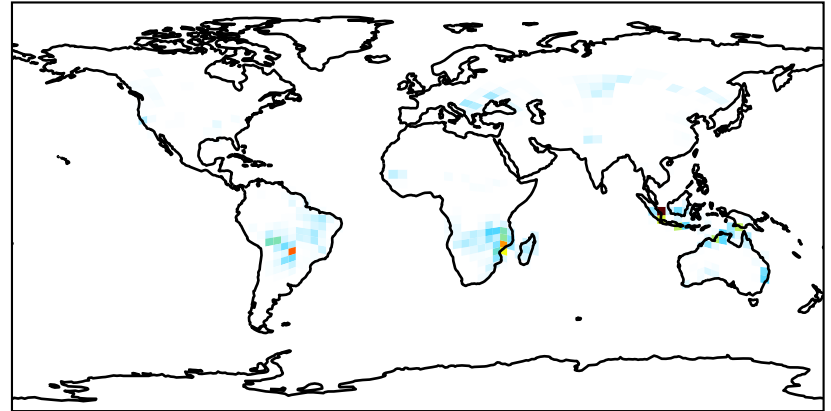


# EmisBCPO\_BioBurn (Oct2019)

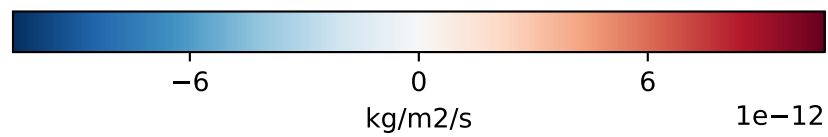
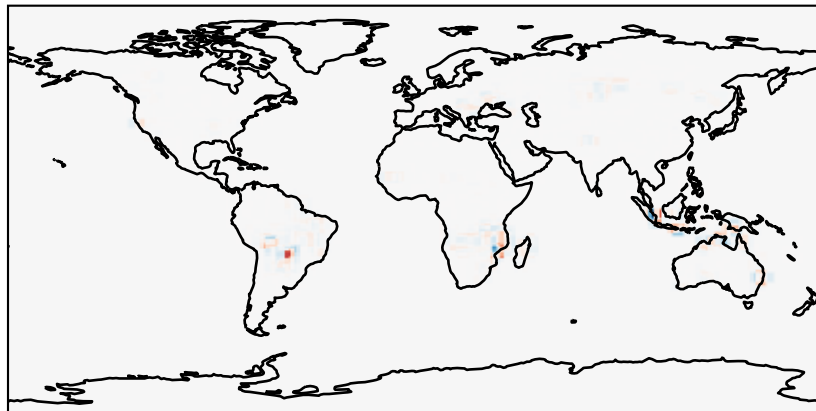
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



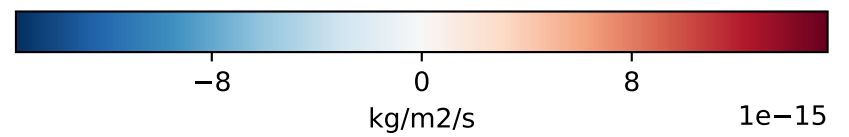
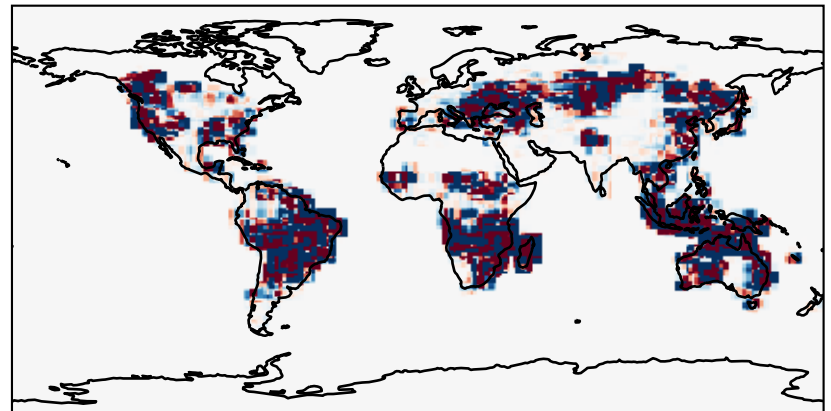
GCHP\_14.0.0-rc.3 (Dev)  
c24



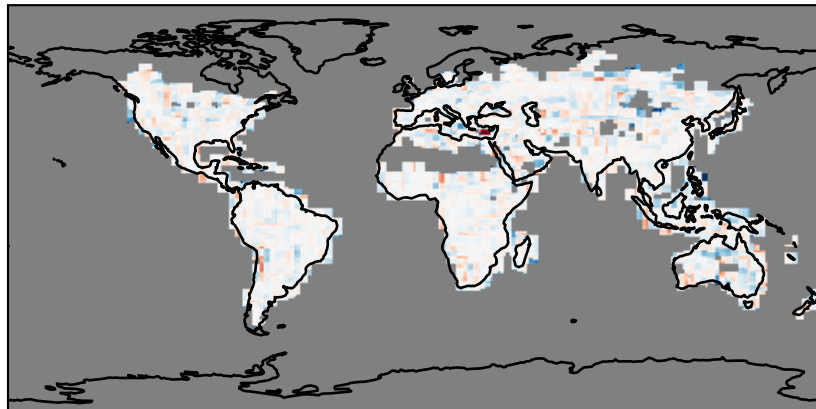
Difference (1x1.25)  
Dev - Ref, Dynamic Range



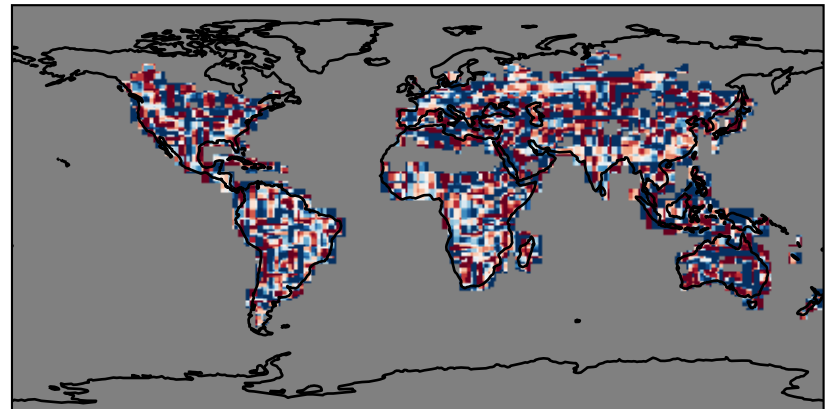
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

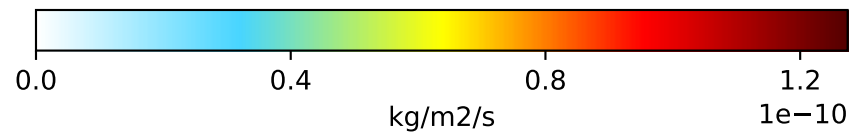
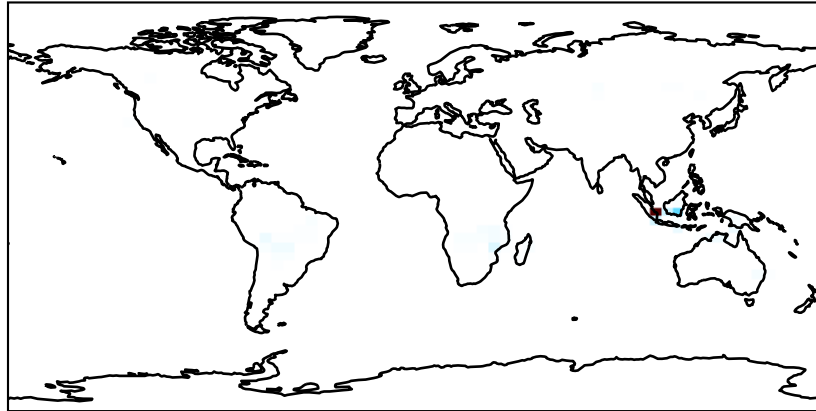


Ratio (1x1.25)  
Dev/Ref, Fixed Range

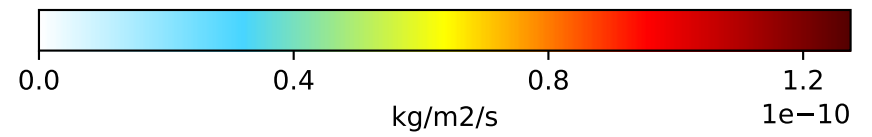
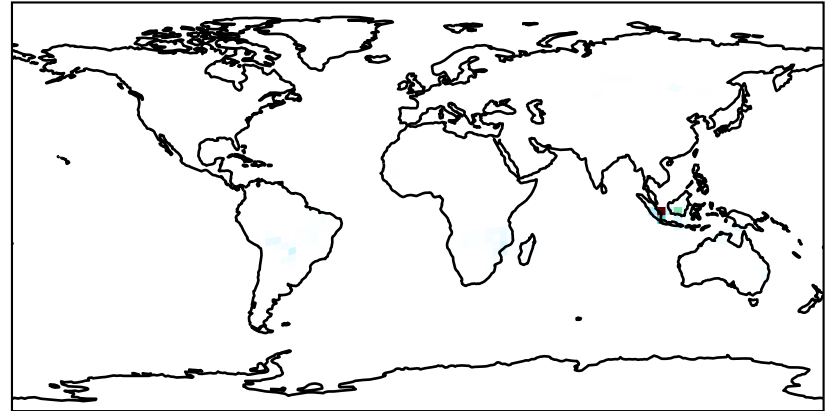


# EmisBENZ\_BioBurn (Oct2019)

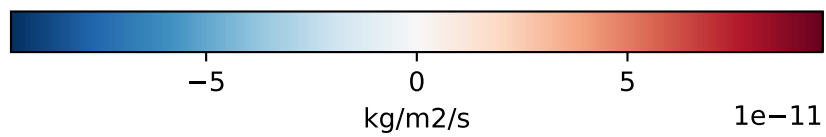
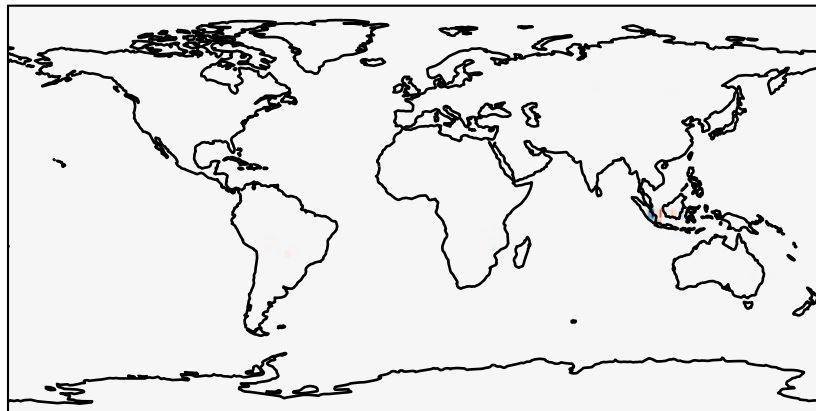
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



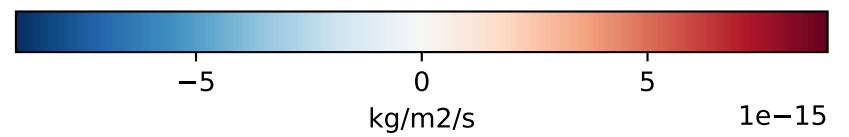
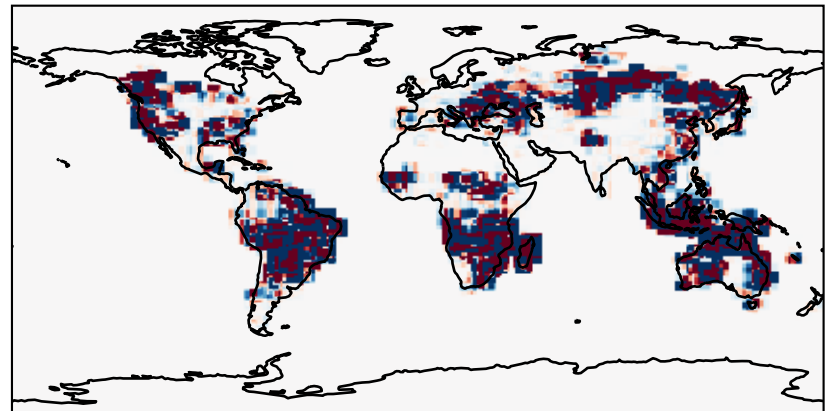
GCHP\_14.0.0-rc.3 (Dev)  
c24



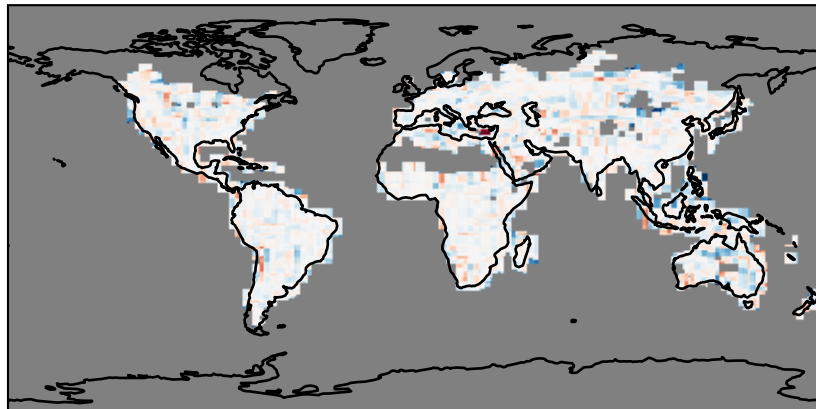
Difference (1x1.25)  
Dev - Ref, Dynamic Range



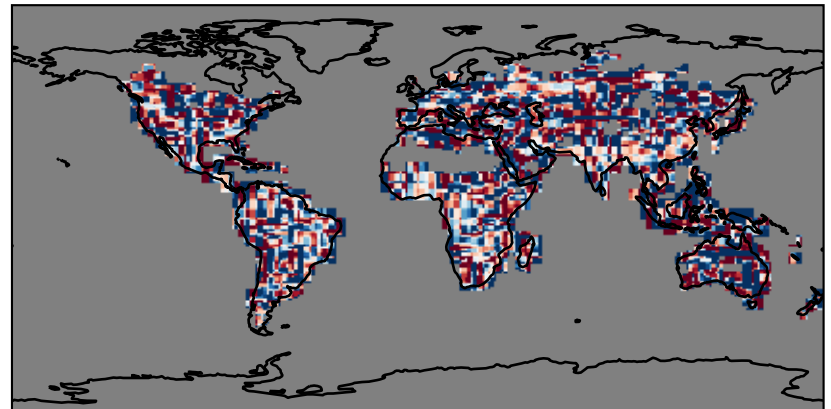
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

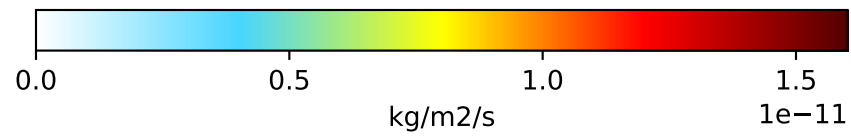
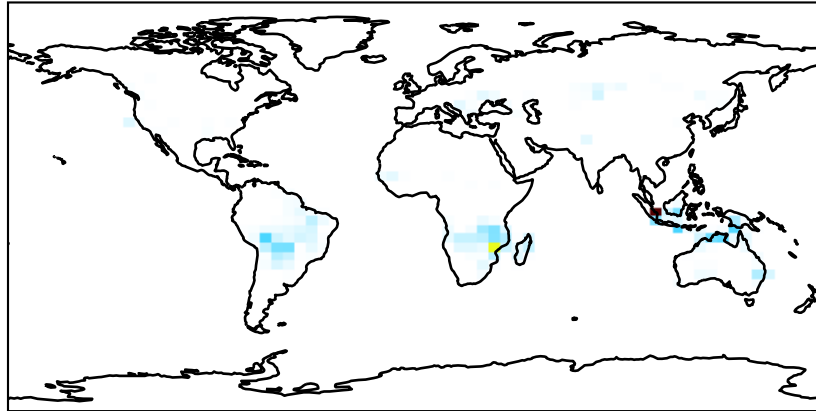


Ratio (1x1.25)  
Dev/Ref, Fixed Range

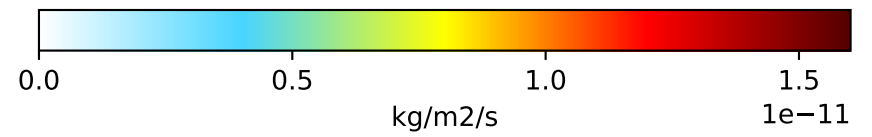
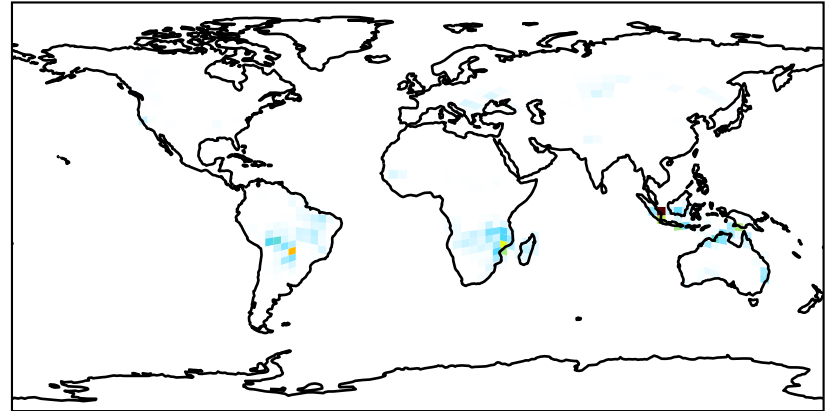


# EmisC2H2\_BioBurn (Oct2019)

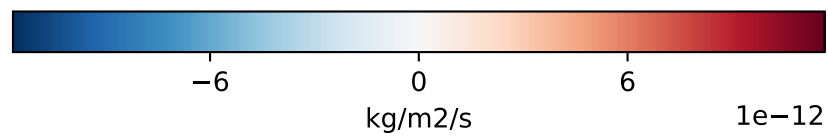
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



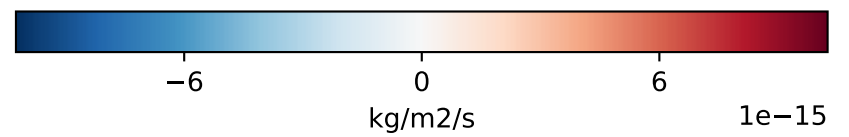
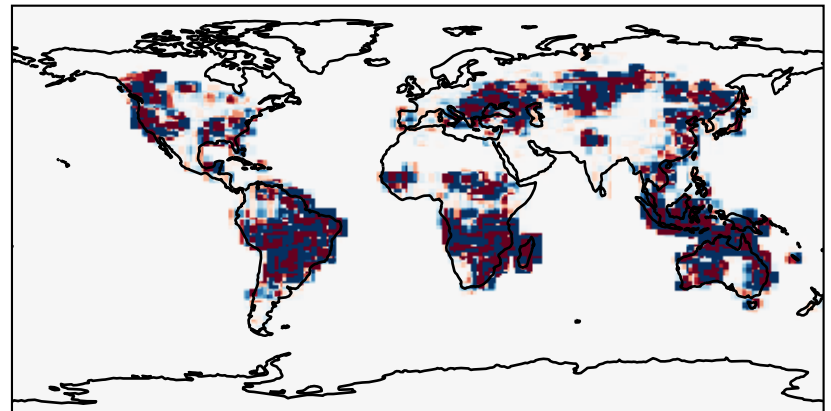
GCHP\_14.0.0-rc.3 (Dev)  
c24



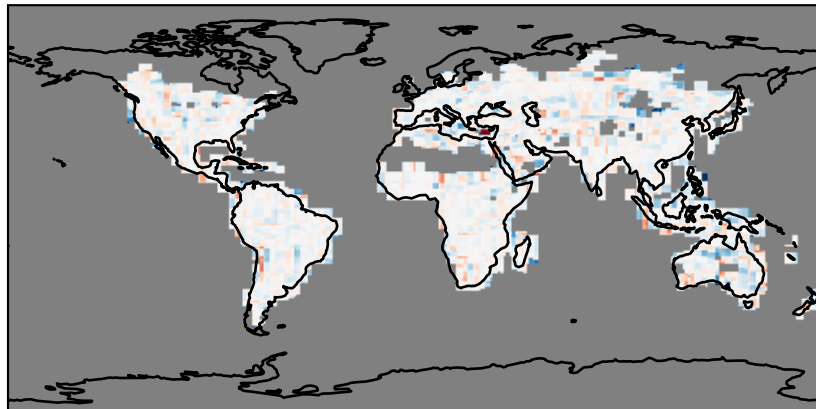
Difference (1x1.25)  
Dev - Ref, Dynamic Range



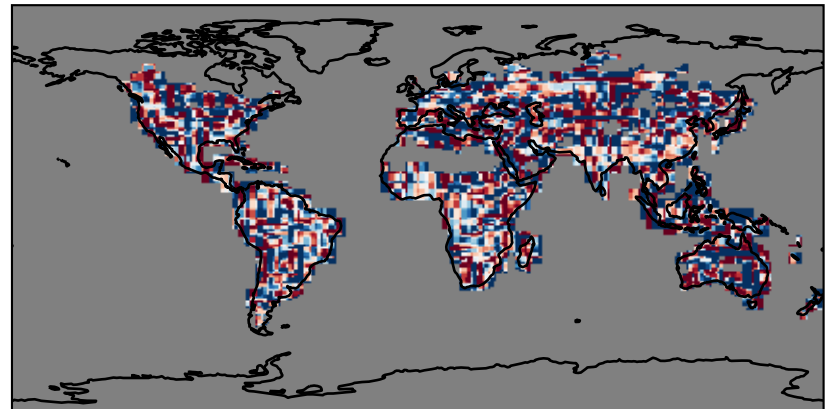
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

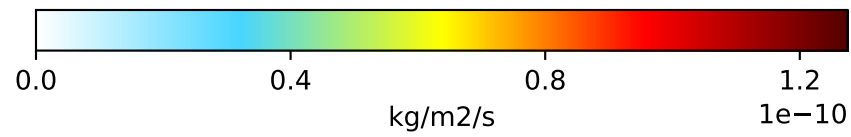
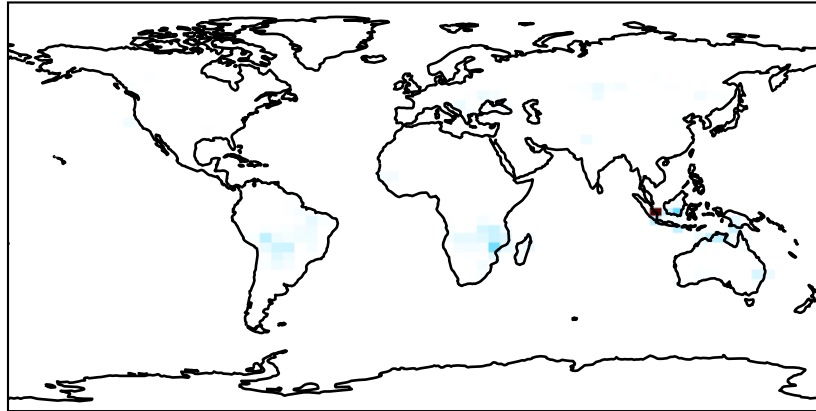


Ratio (1x1.25)  
Dev/Ref, Fixed Range

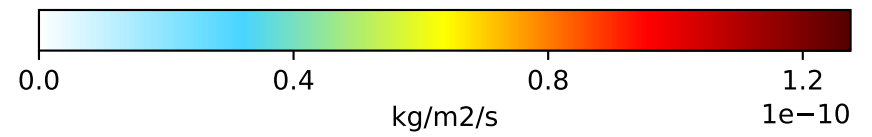
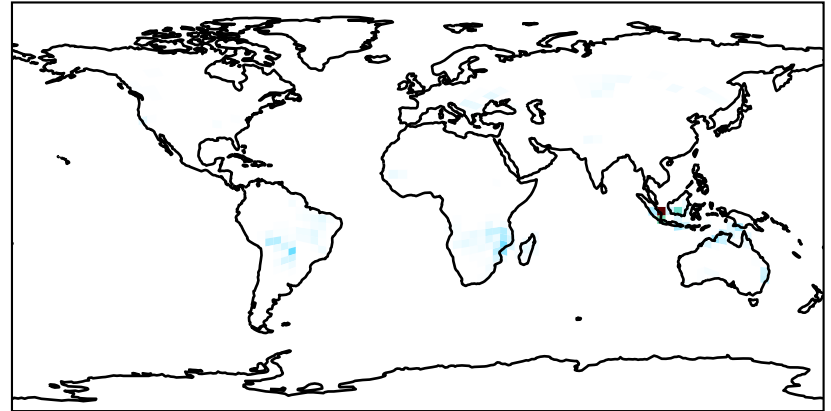


# EmisC2H4\_BioBurn (Oct2019)

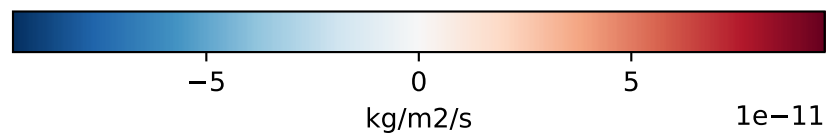
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



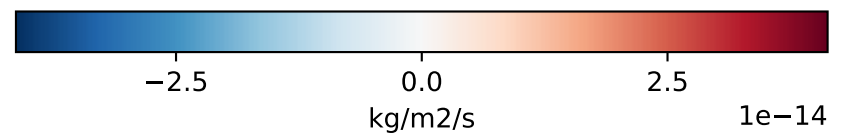
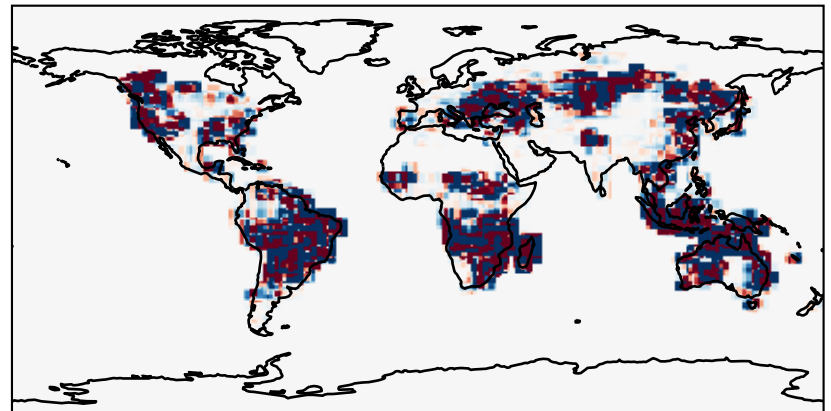
GCHP\_14.0.0-rc.3 (Dev)  
c24



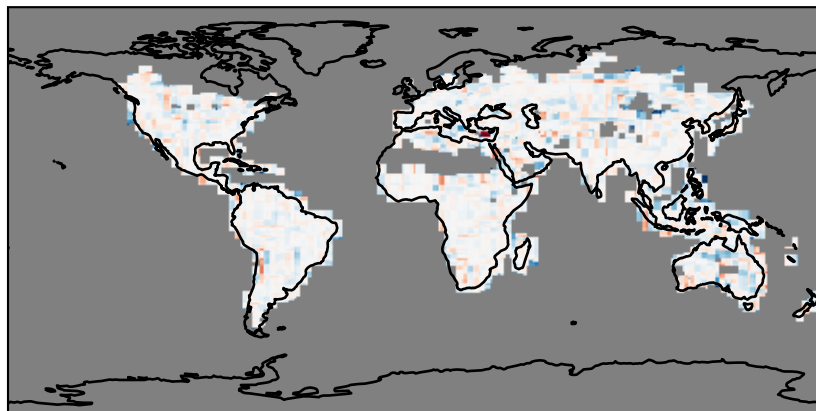
Difference (1x1.25)  
Dev - Ref, Dynamic Range



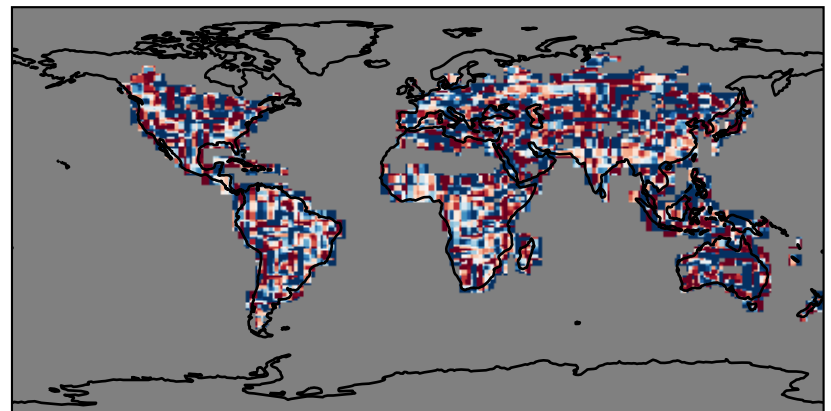
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



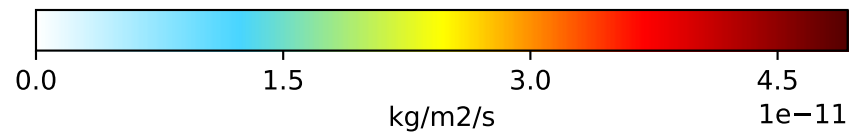
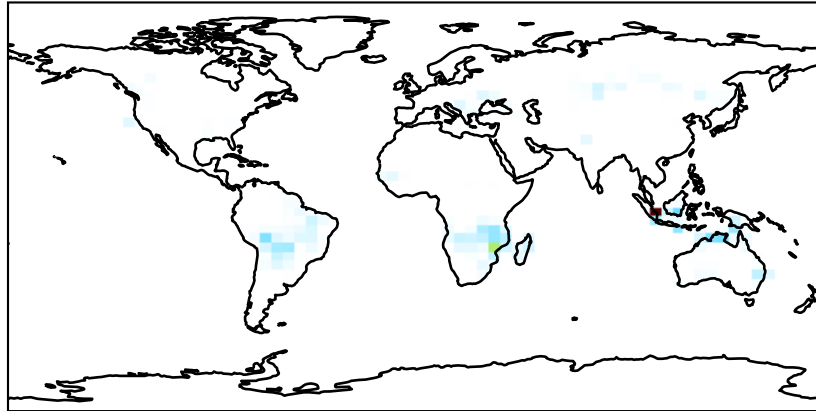
Ratio (1x1.25)  
Dev/Ref, Fixed Range



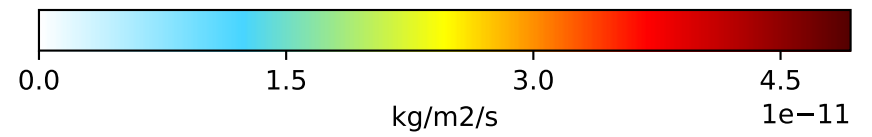
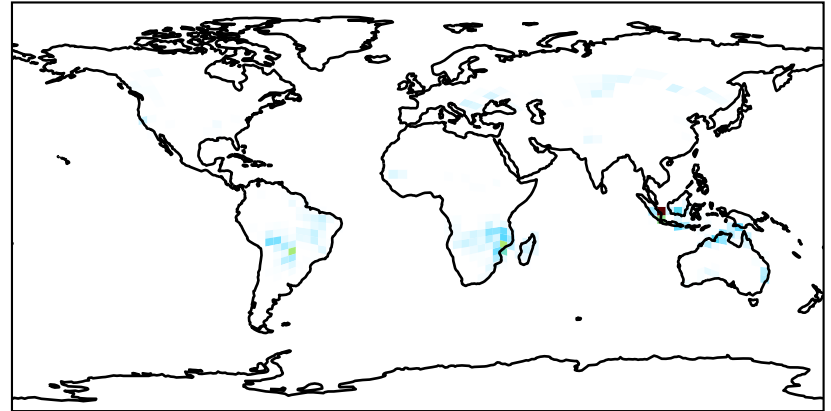


# EmisC2H6\_BioBurn (Oct2019)

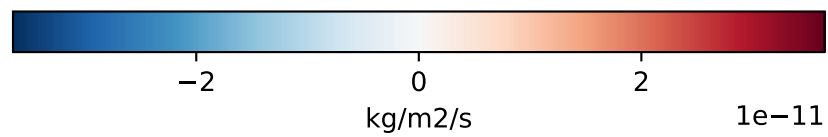
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



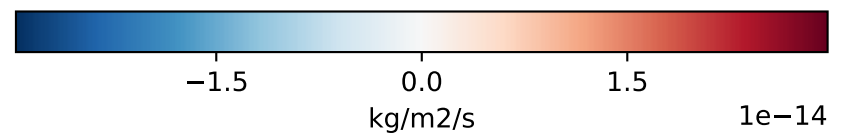
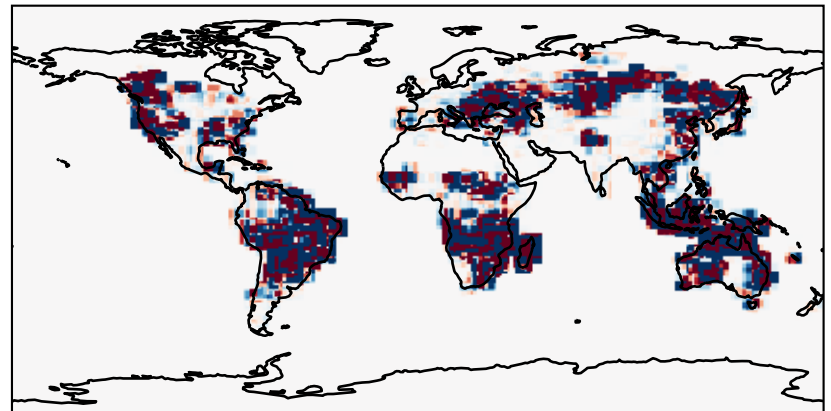
GCHP\_14.0.0-rc.3 (Dev)  
c24



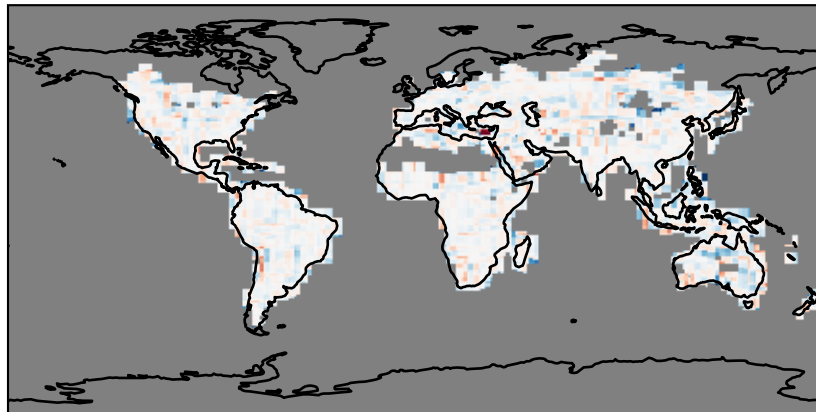
Difference (1x1.25)  
Dev - Ref, Dynamic Range



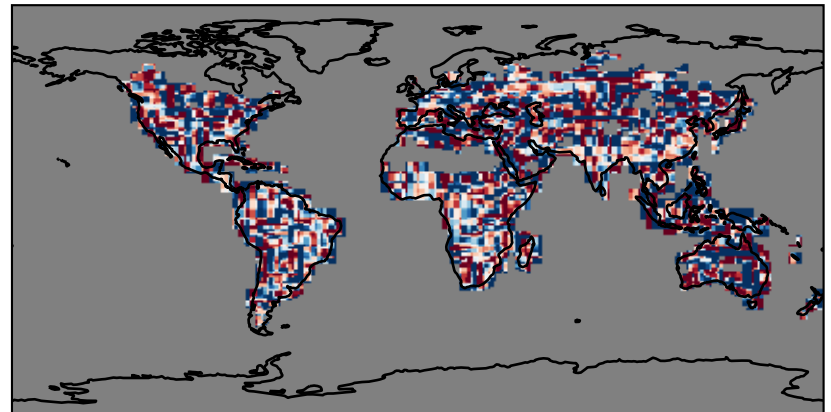
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

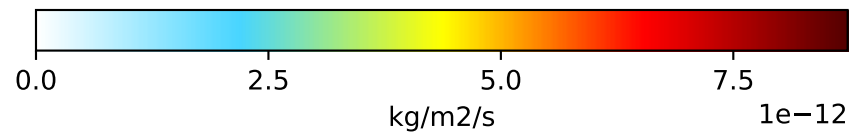
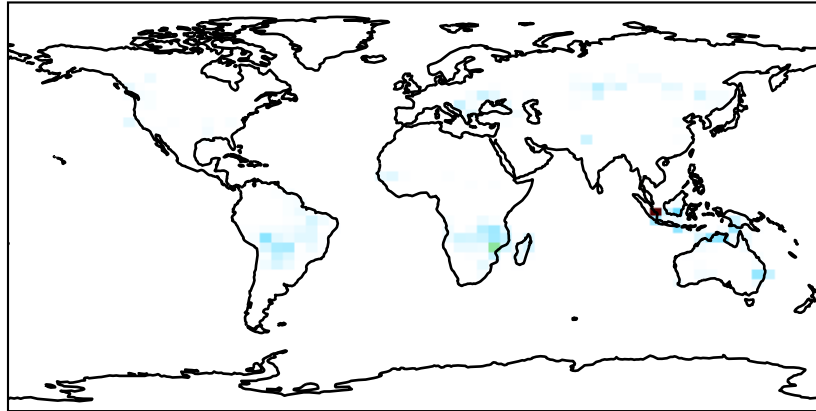


Ratio (1x1.25)  
Dev/Ref, Fixed Range

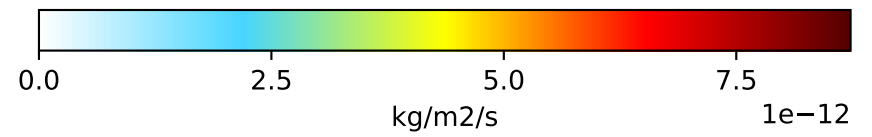
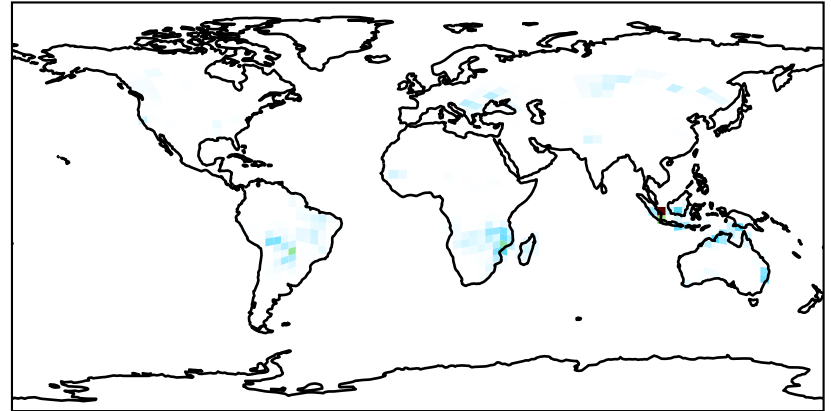


# EmisC3H8\_BioBurn (Oct2019)

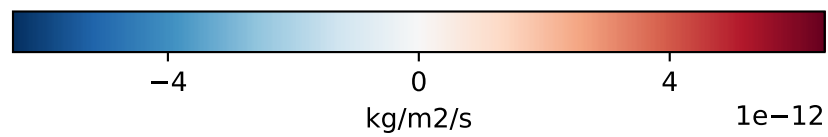
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



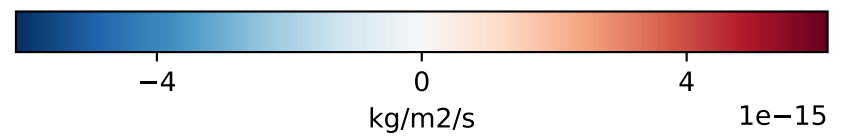
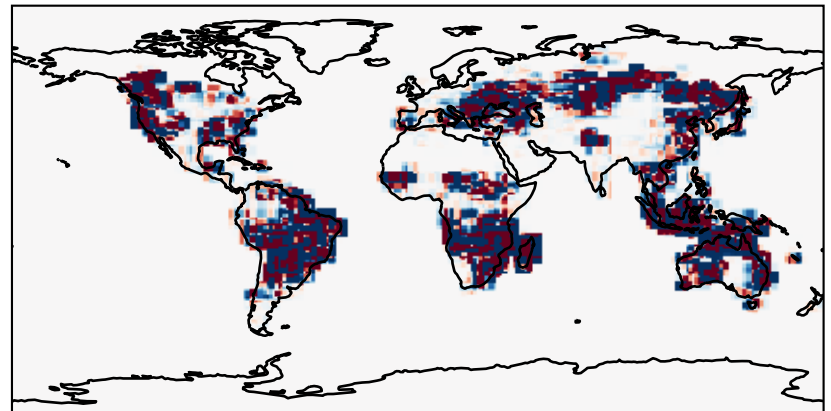
GCHP\_14.0.0-rc.3 (Dev)  
c24



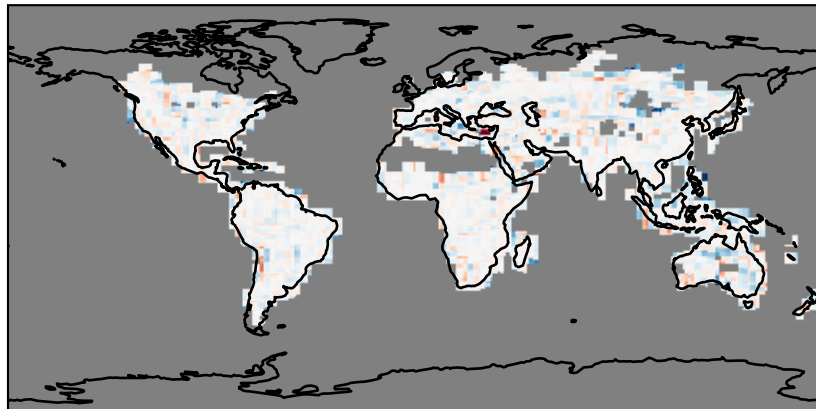
Difference (1x1.25)  
Dev - Ref, Dynamic Range



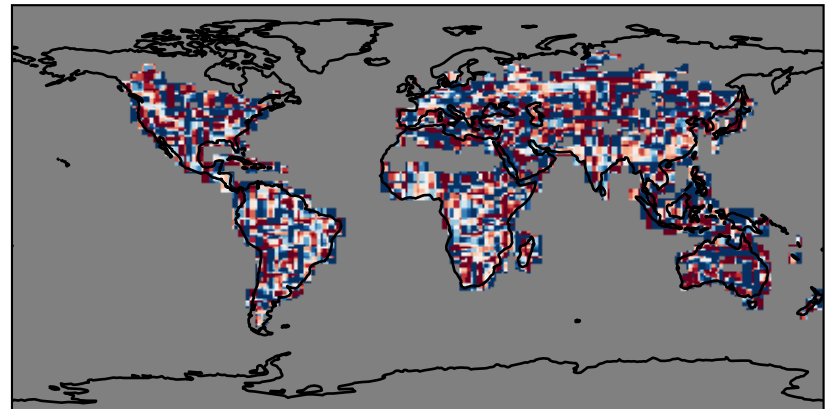
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

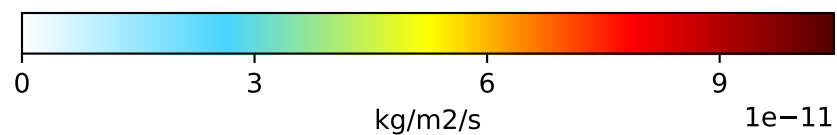
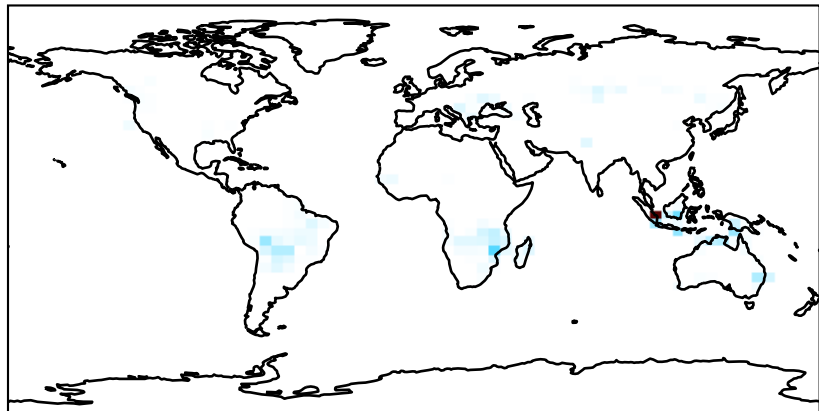


Ratio (1x1.25)  
Dev/Ref, Fixed Range

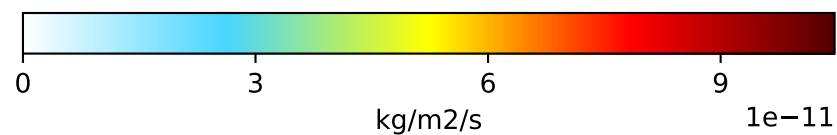
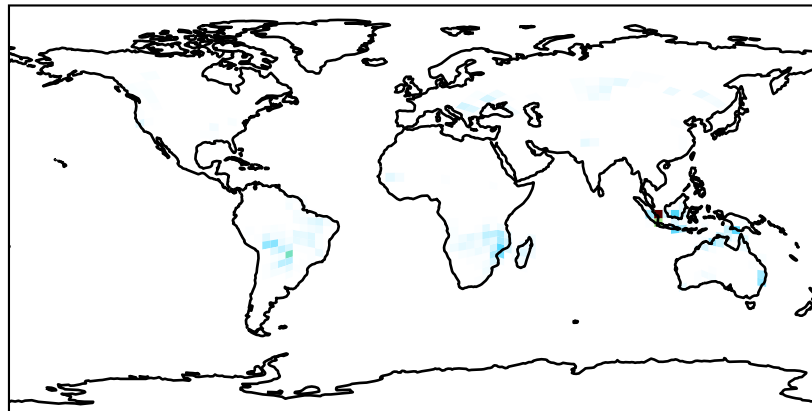


# EmisCH2O\_BioBurn (Oct2019)

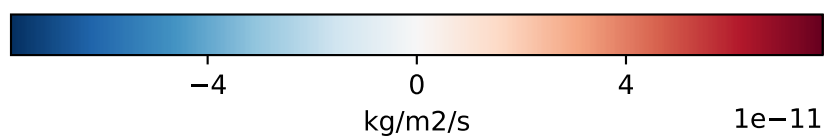
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



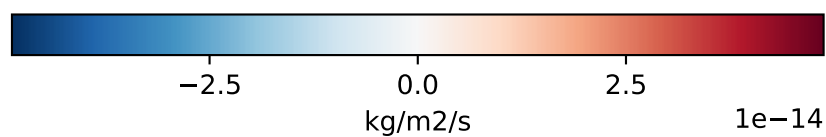
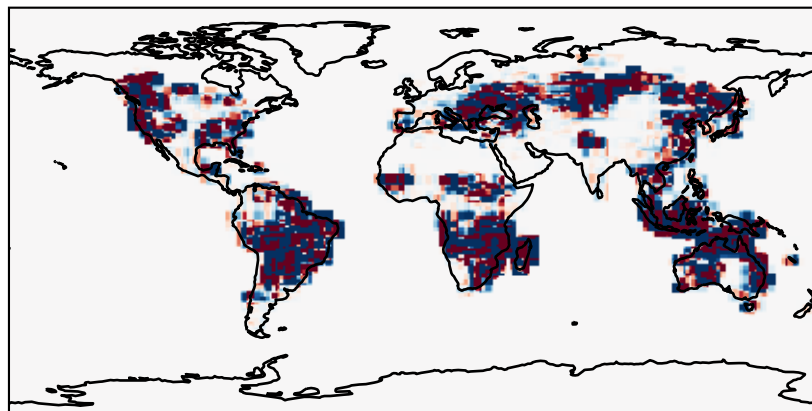
GCHP\_14.0.0-rc.3 (Dev)  
c24



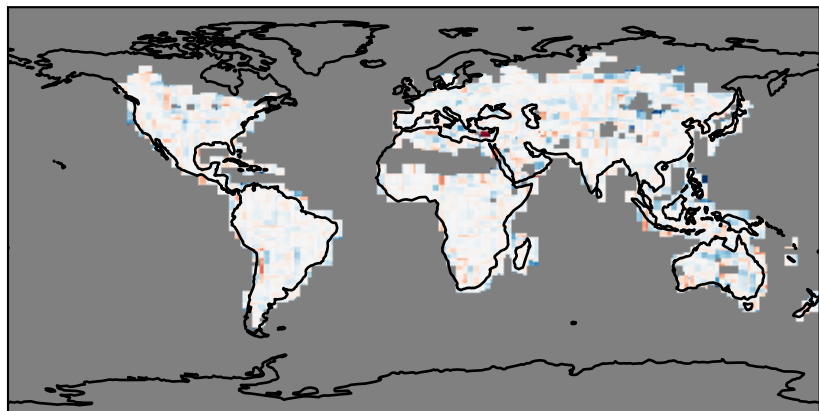
Difference (1x1.25)  
Dev - Ref, Dynamic Range



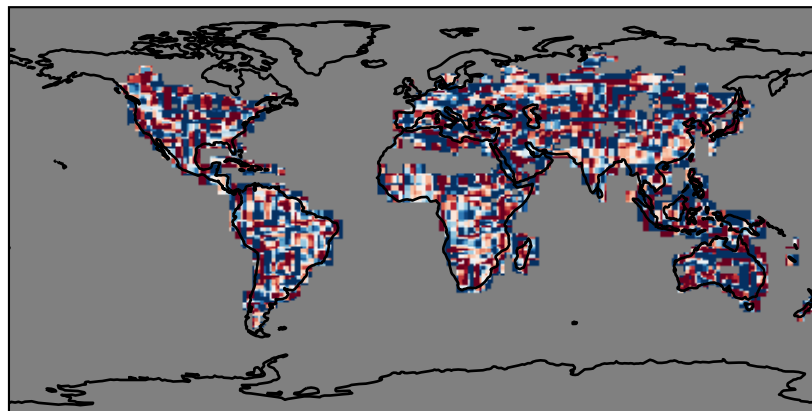
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



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



# EmisCO2\_BioBurn (Oct2019)

GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



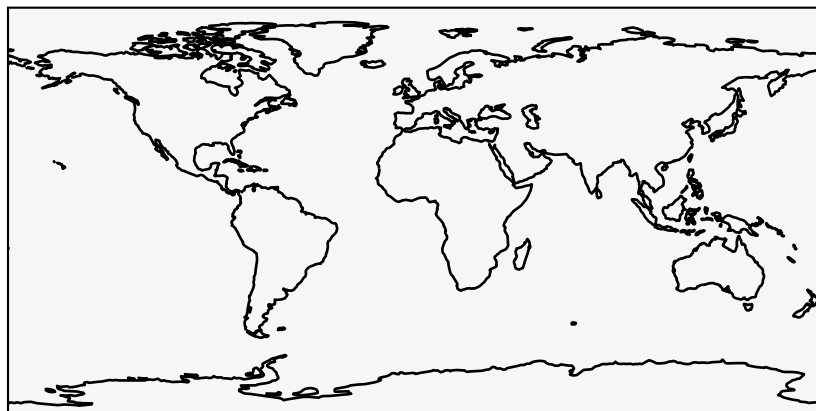
Zero throughout domain  
kg/m2/s

GCHP\_14.0.0-rc.3 (Dev)  
c24



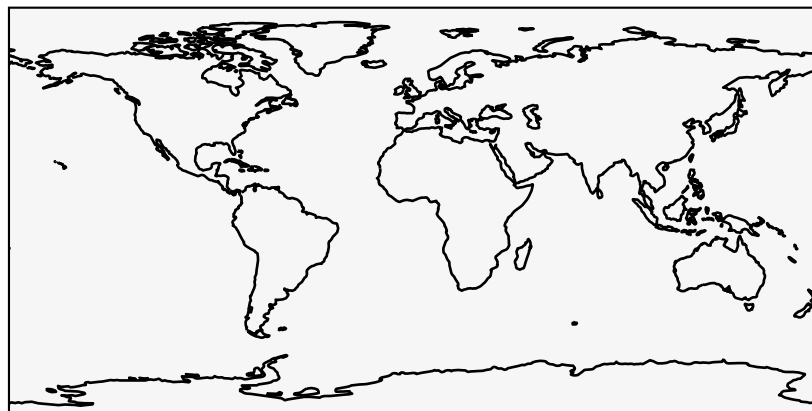
Zero throughout domain  
kg/m2/s

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



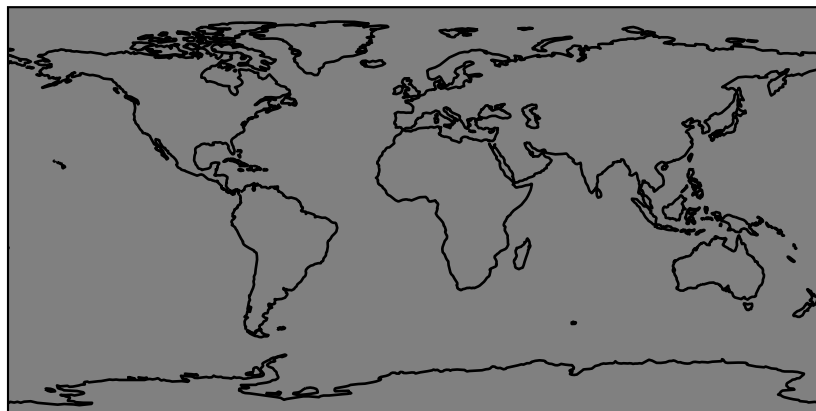
Zero throughout domain  
kg/m2/s

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



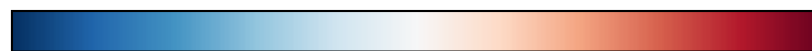
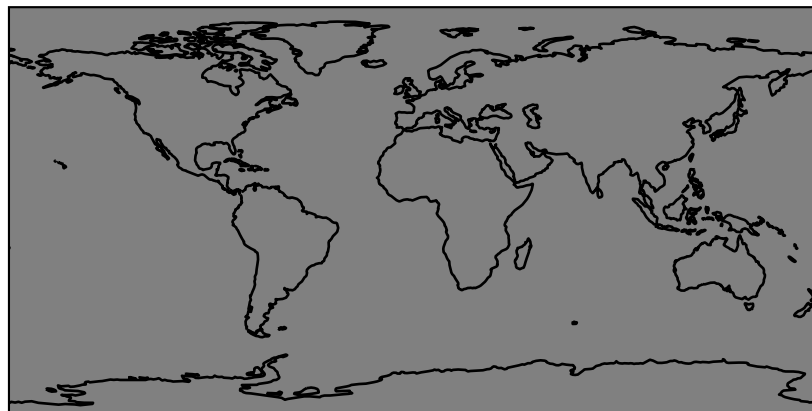
Zero throughout domain  
kg/m2/s

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



Undefined throughout domain  
unitless

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

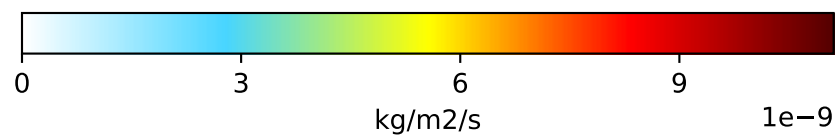
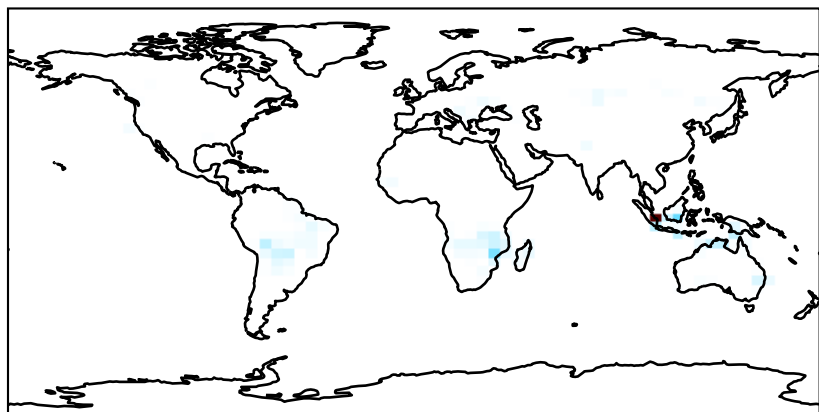


Undefined throughout domain  
unitless

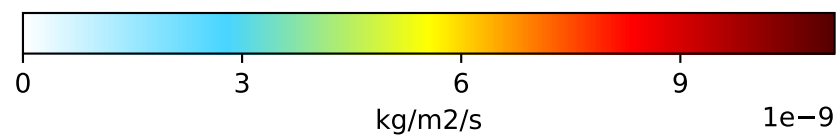
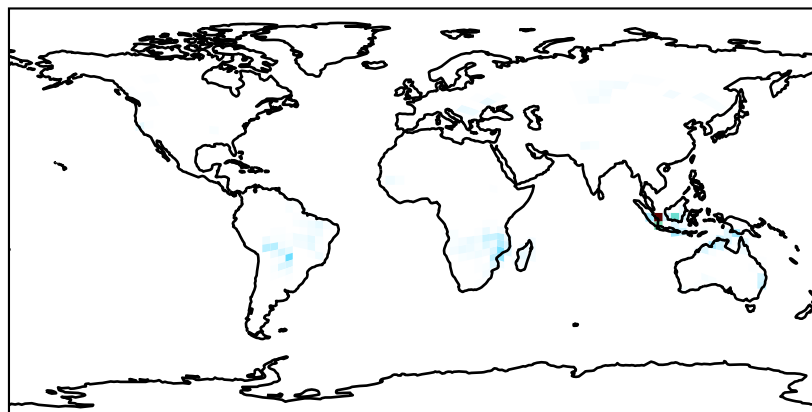


# EmisCO\_BioBurn (Oct2019)

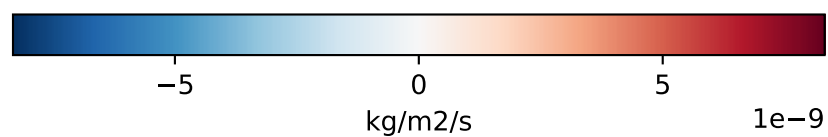
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



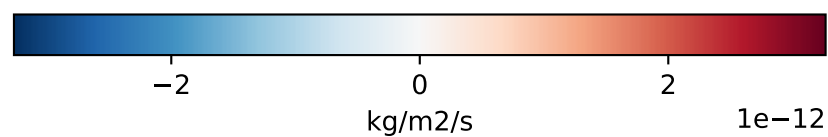
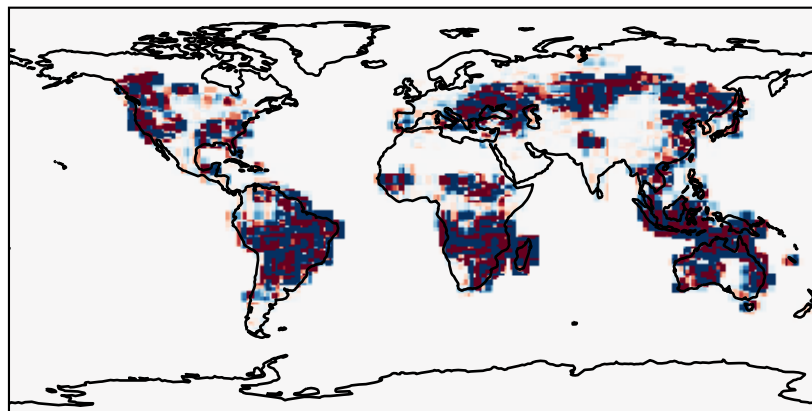
GCHP\_14.0.0-rc.3 (Dev)  
c24



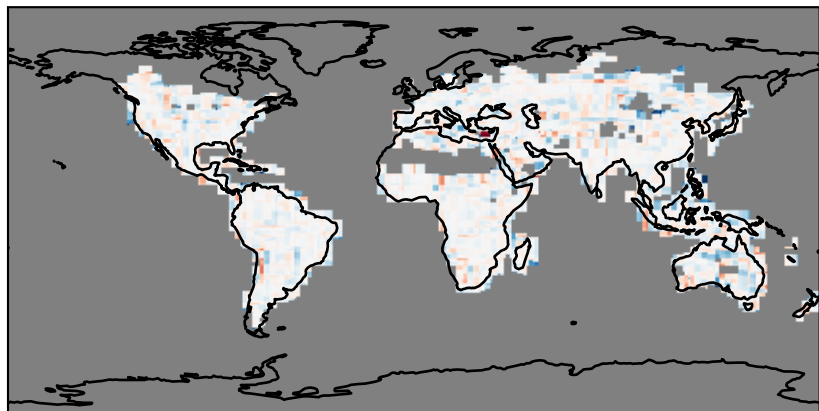
Difference (1x1.25)  
Dev - Ref, Dynamic Range



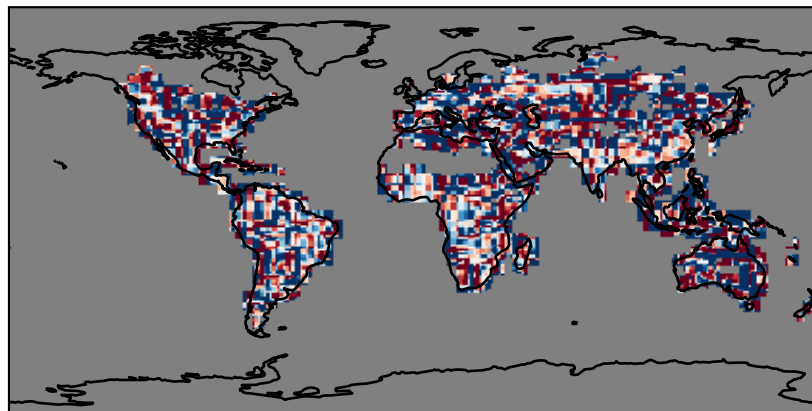
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

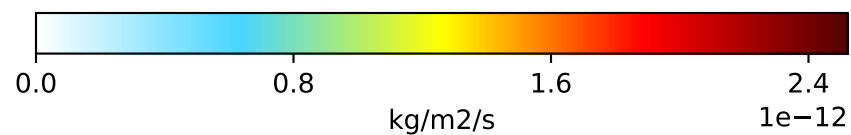
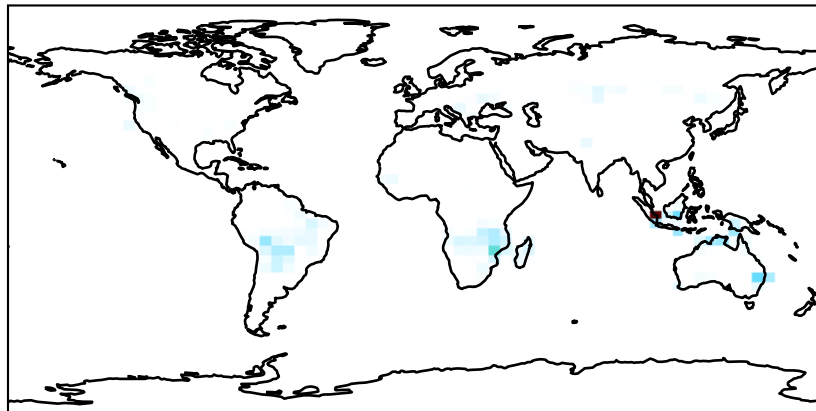


Ratio (1x1.25)  
Dev/Ref, Fixed Range

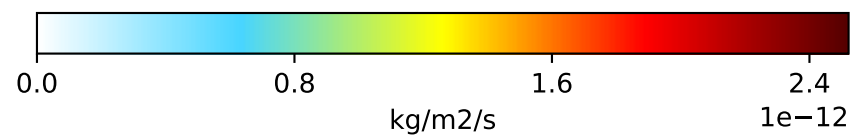
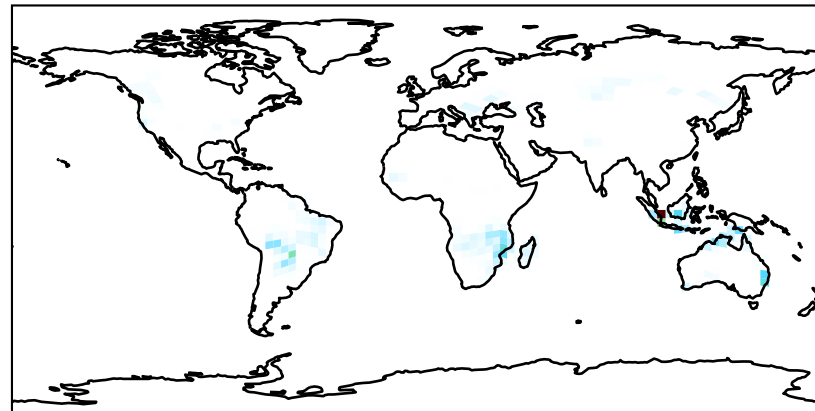


# EmisEOH\_BioBurn (Oct2019)

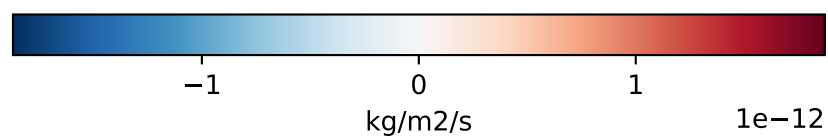
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



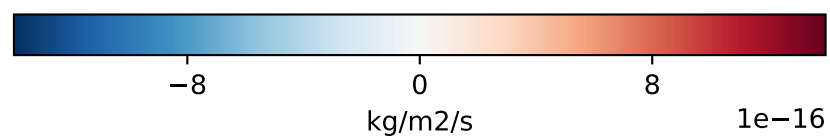
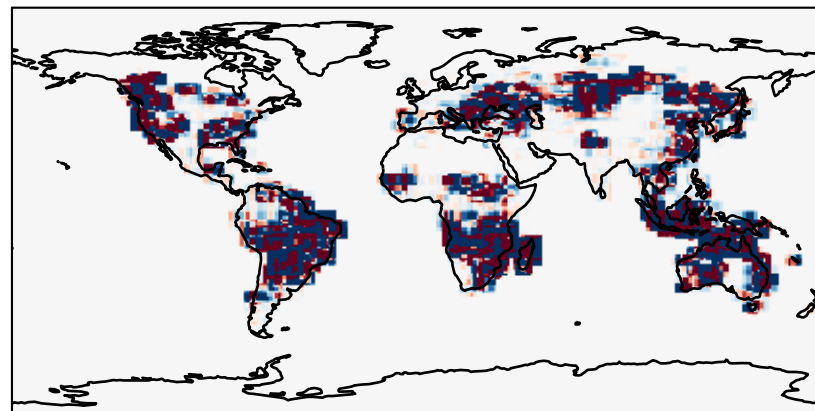
GCHP\_14.0.0-rc.3 (Dev)  
c24



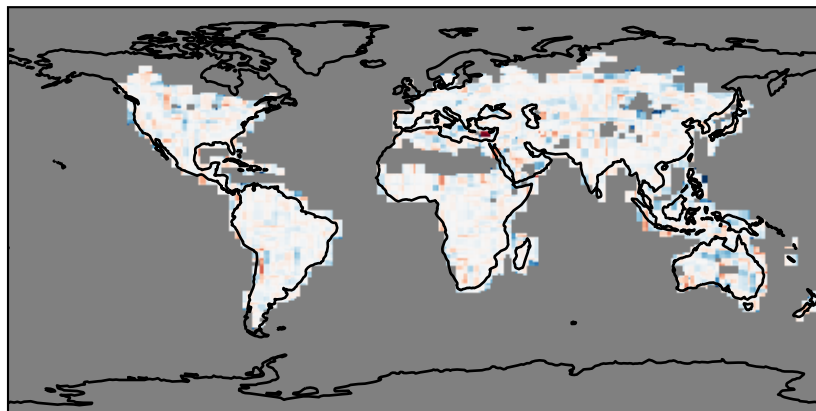
Difference (1x1.25)  
Dev - Ref, Dynamic Range



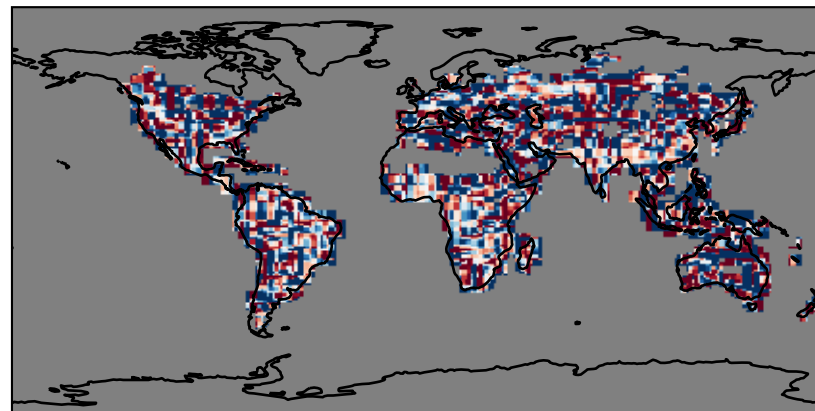
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

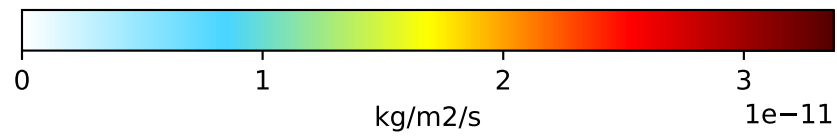
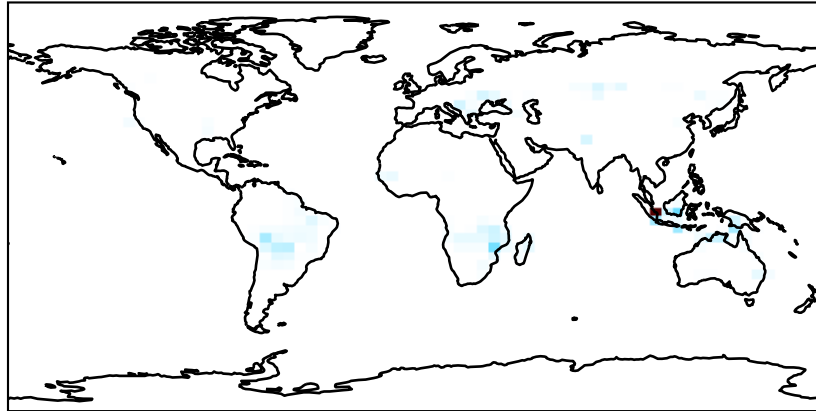


Ratio (1x1.25)  
Dev/Ref, Fixed Range

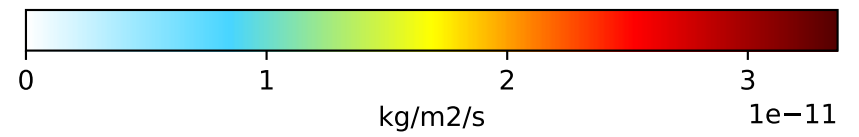
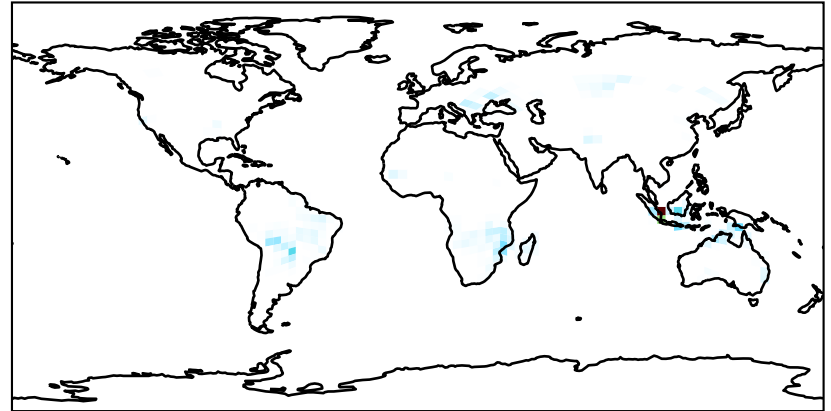


# EmisMEK\_BioBurn (Oct2019)

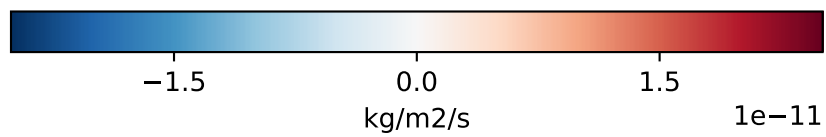
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



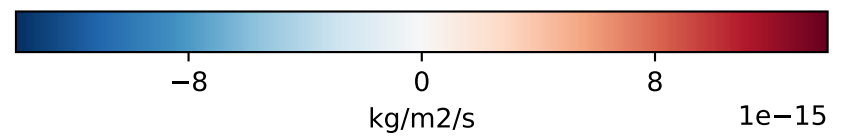
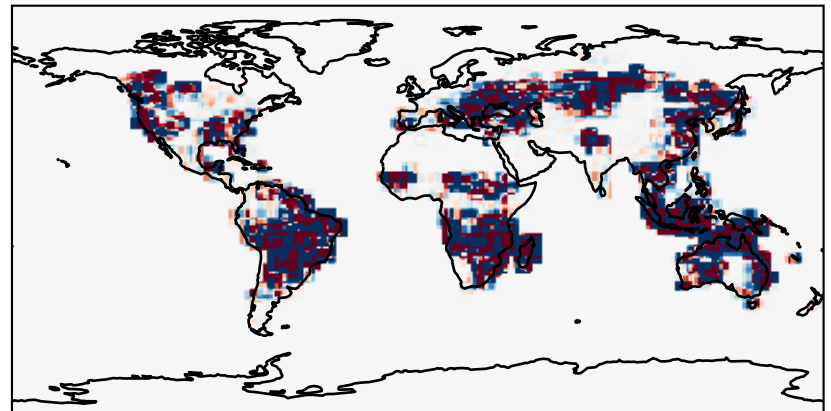
GCHP\_14.0.0-rc.3 (Dev)  
c24



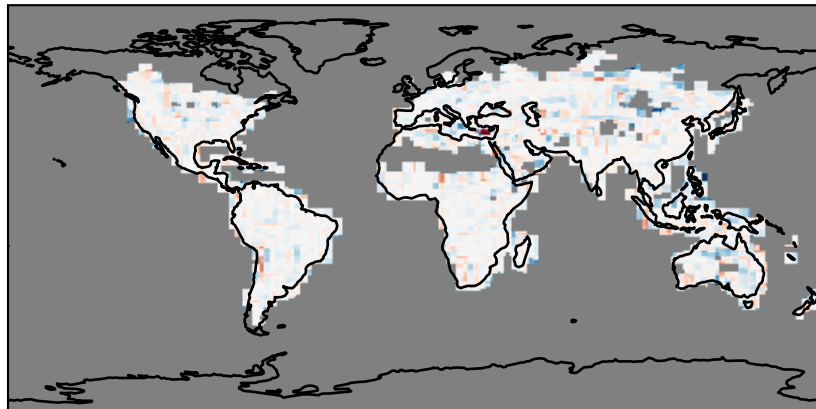
Difference (1x1.25)  
Dev - Ref, Dynamic Range



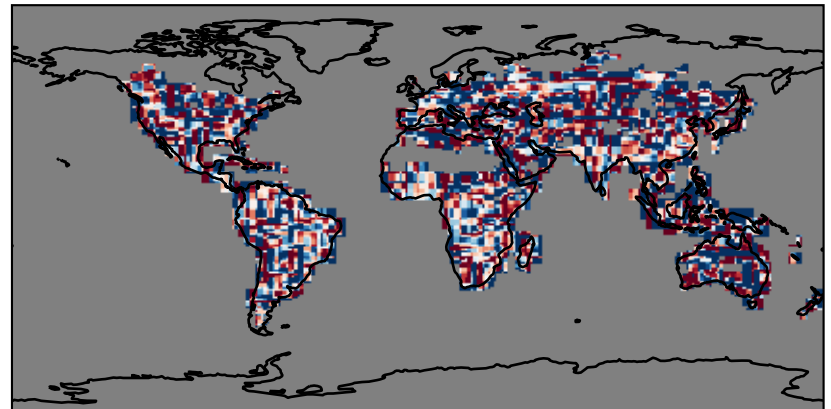
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

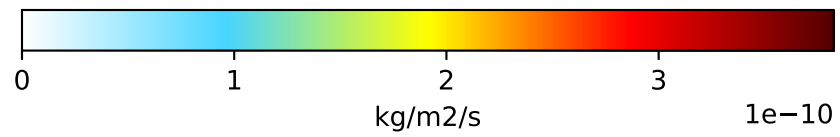


Ratio (1x1.25)  
Dev/Ref, Fixed Range

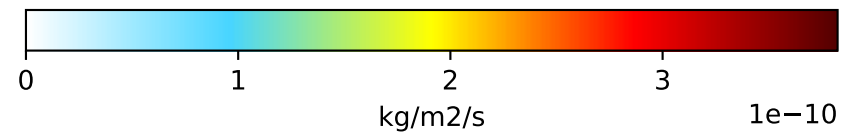
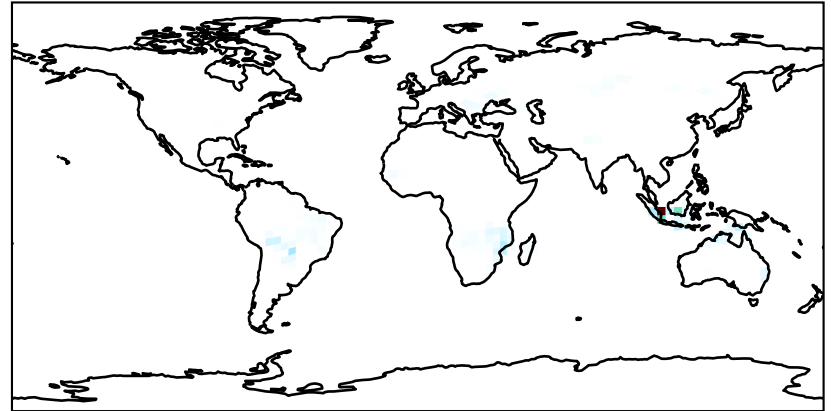


# EmisMOH\_BioBurn (Oct2019)

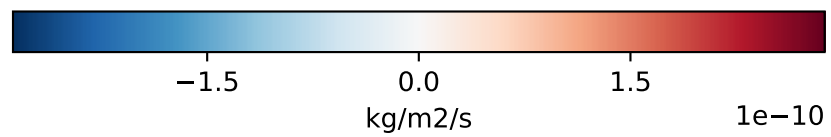
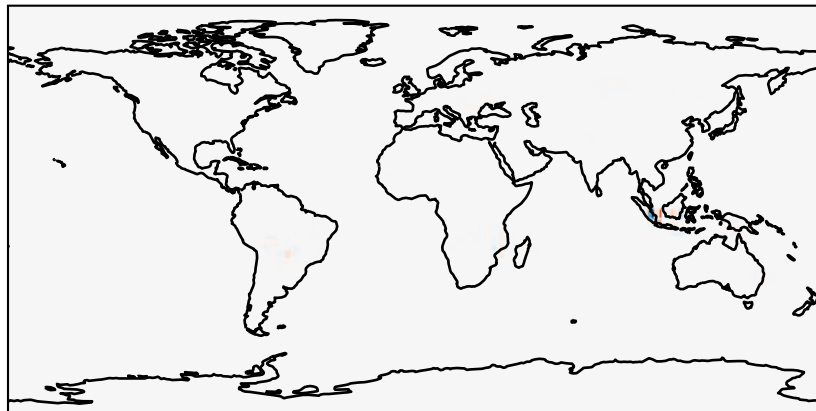
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



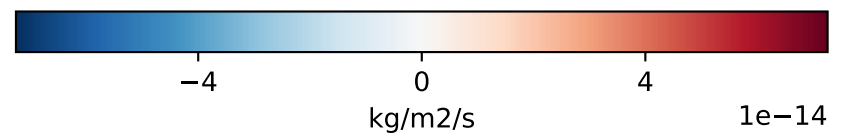
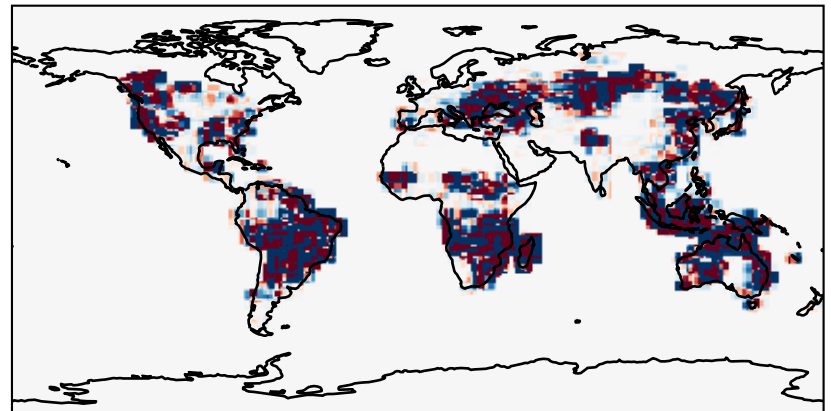
GCHP\_14.0.0-rc.3 (Dev)  
c24



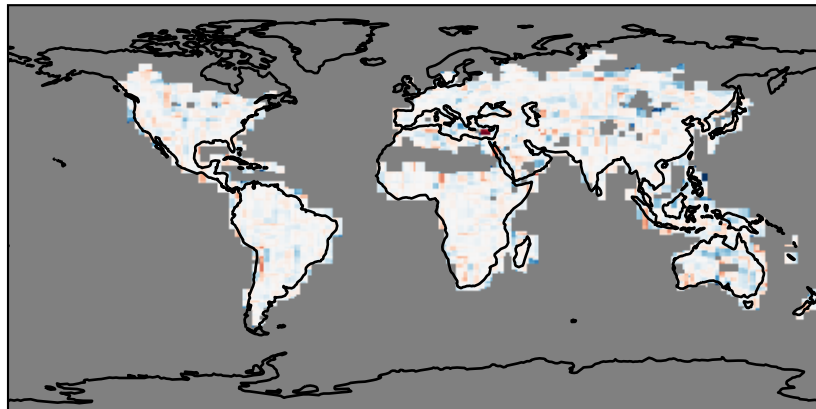
Difference (1x1.25)  
Dev - Ref, Dynamic Range



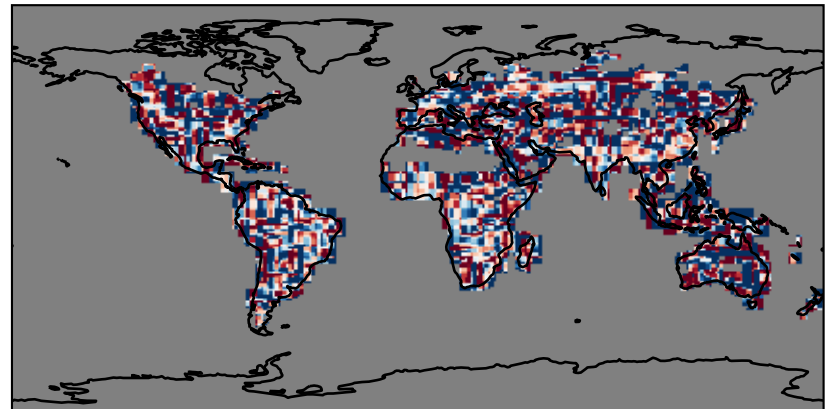
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



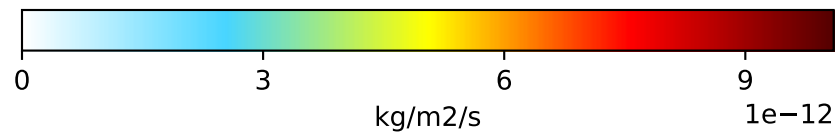
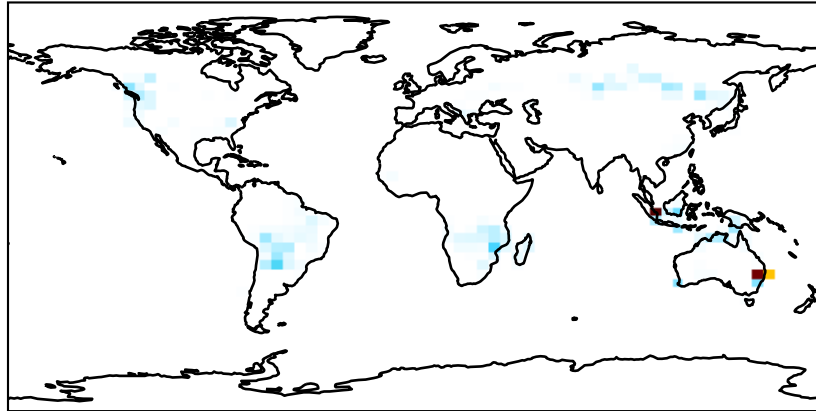
Ratio (1x1.25)  
Dev/Ref, Fixed Range



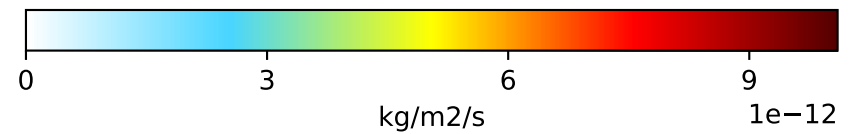
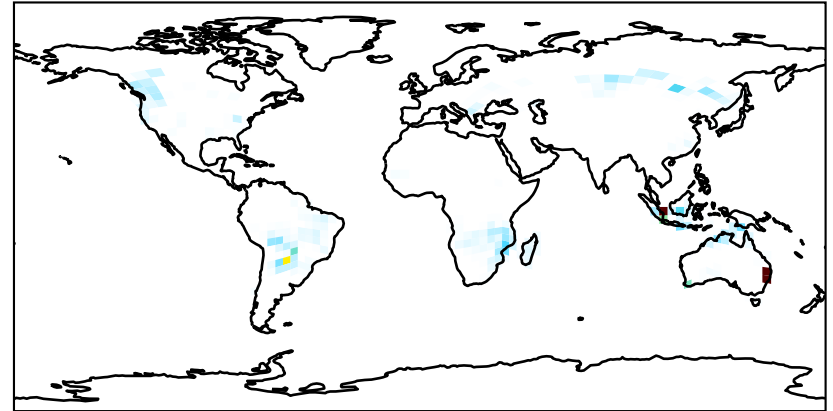


# EmisMTPA\_BioBurn (Oct2019)

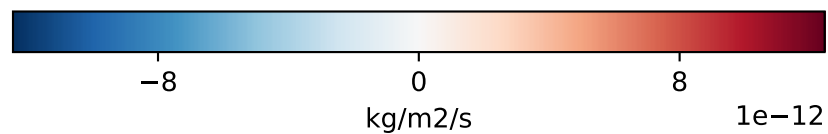
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



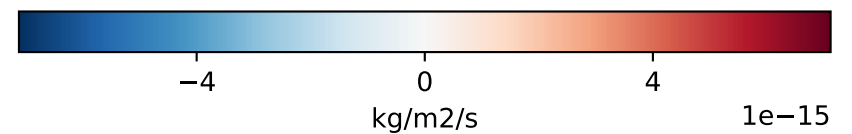
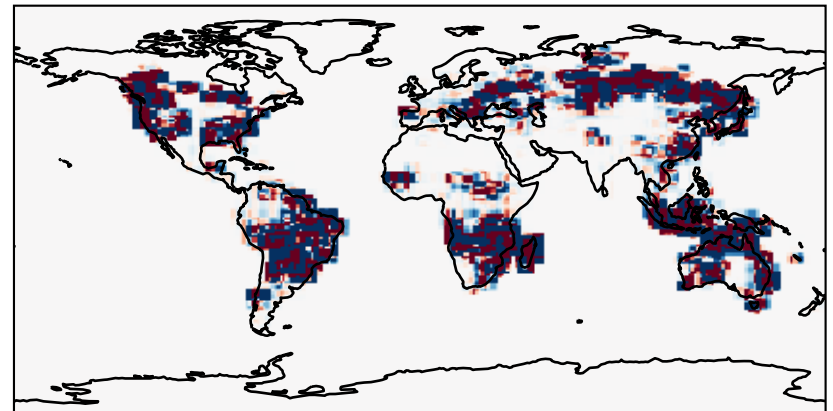
GCHP\_14.0.0-rc.3 (Dev)  
c24



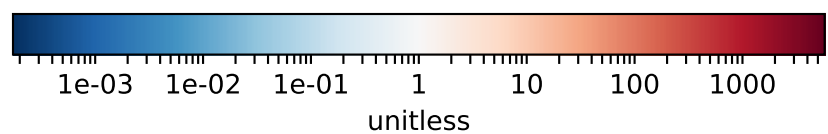
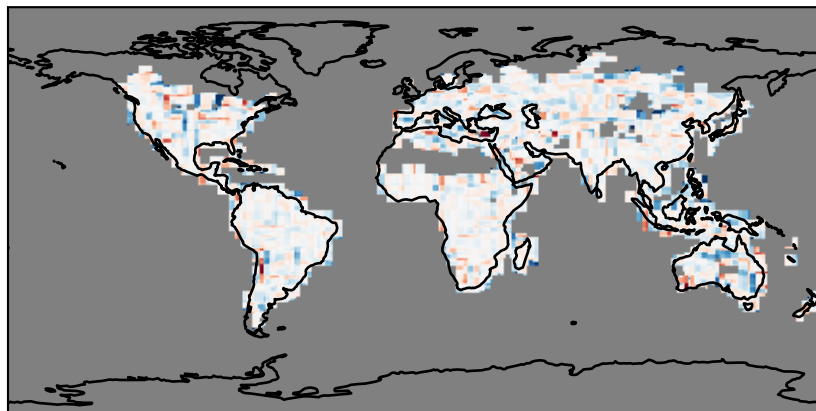
Difference (1x1.25)  
Dev - Ref, Dynamic Range



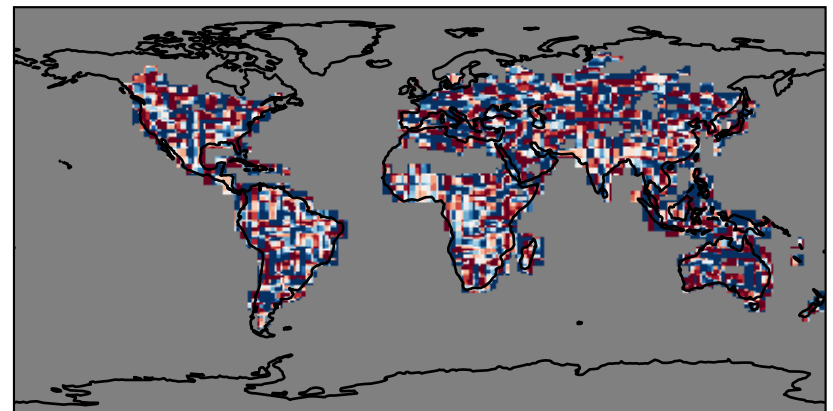
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



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



# EmisNAP\_BioBurn (Oct2019)

GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



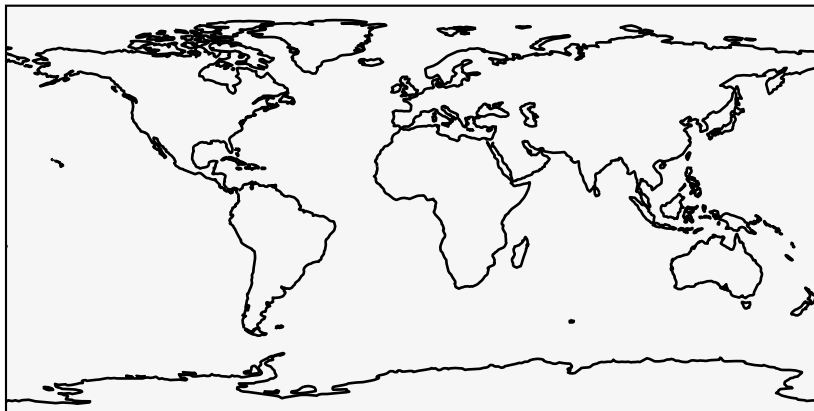
Zero throughout domain  
kg/m2/s

GCHP\_14.0.0-rc.3 (Dev)  
c24



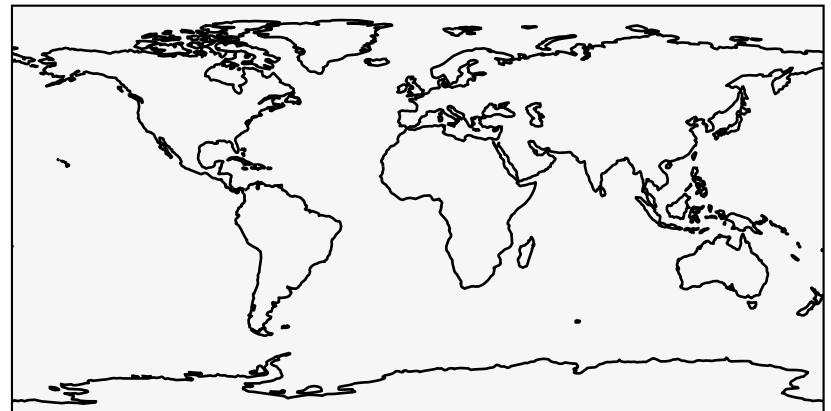
Zero throughout domain  
kg/m2/s

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



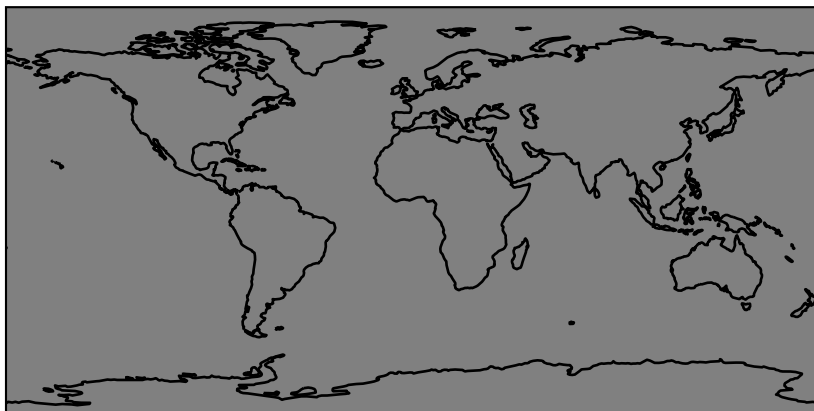
Zero throughout domain  
kg/m2/s

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



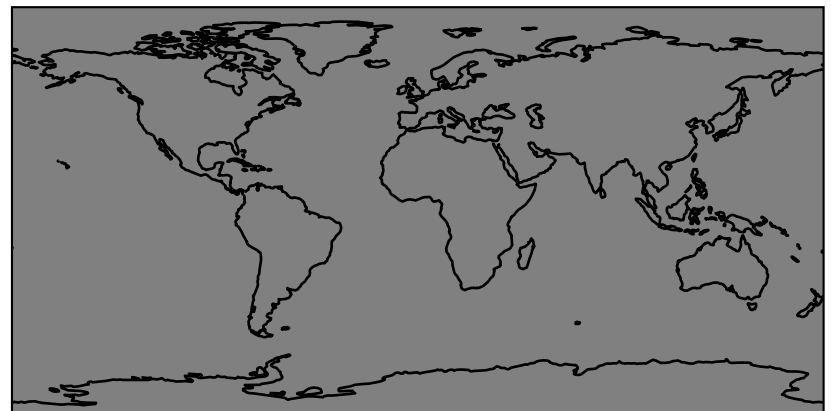
Zero throughout domain  
kg/m2/s

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



Undefined throughout domain  
unitless

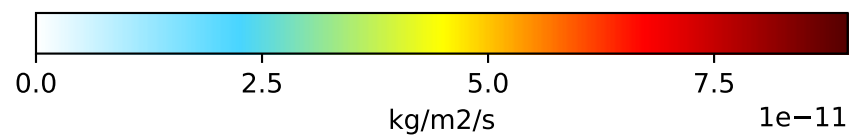
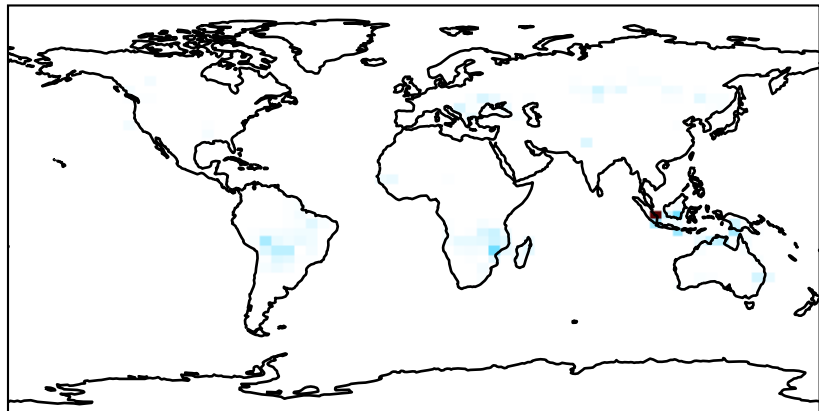
Ratio (1x1.25)  
Dev/Ref, Fixed Range



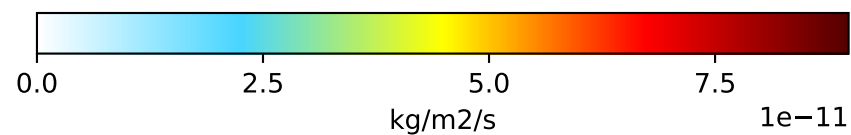
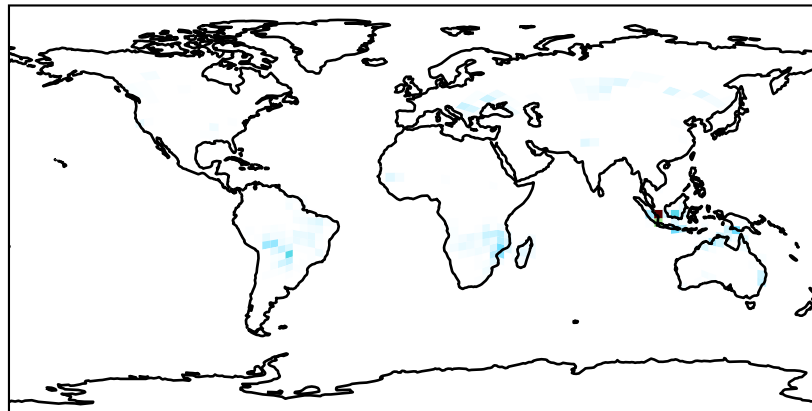
Undefined throughout domain  
unitless

# EmisNH3\_BioBurn (Oct2019)

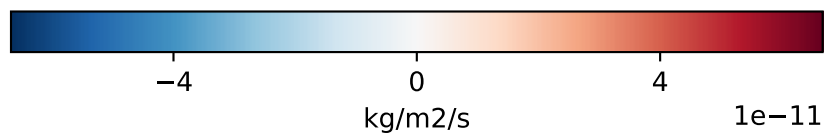
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



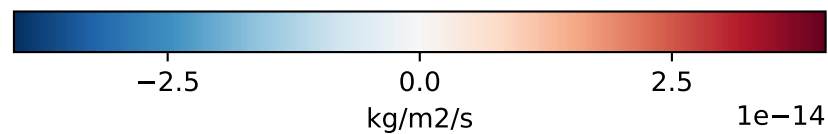
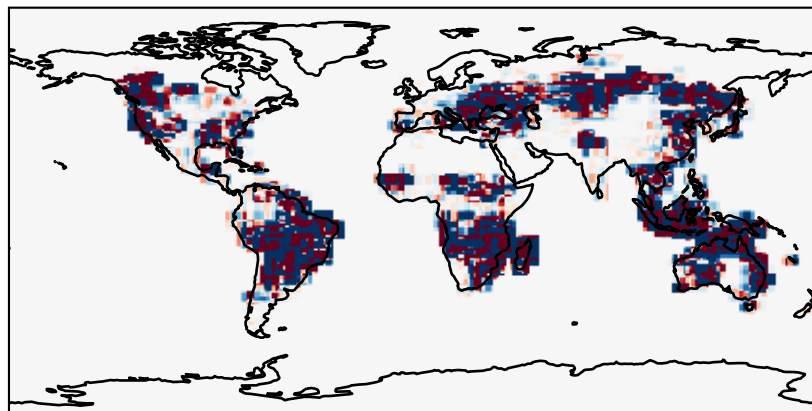
GCHP\_14.0.0-rc.3 (Dev)  
c24



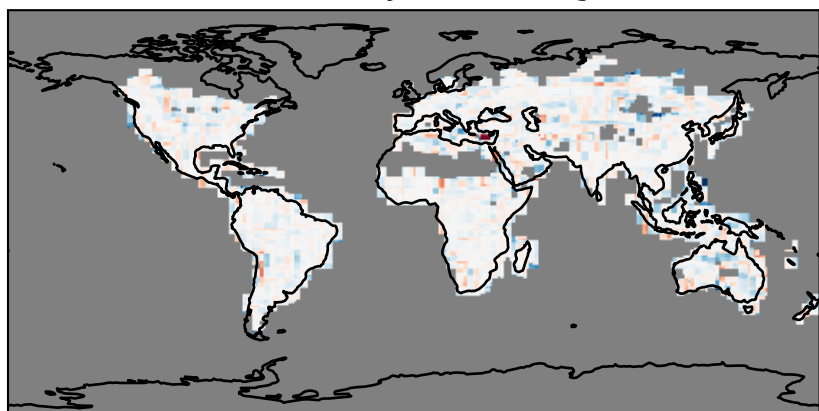
Difference (1x1.25)  
Dev - Ref, Dynamic Range



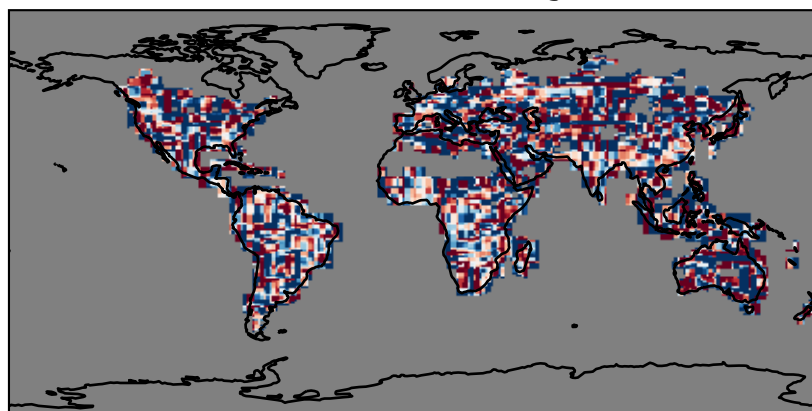
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

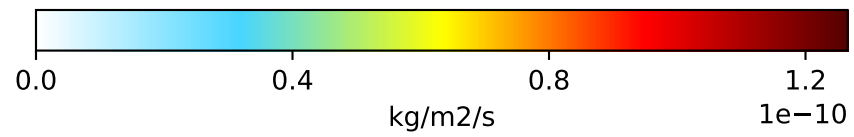
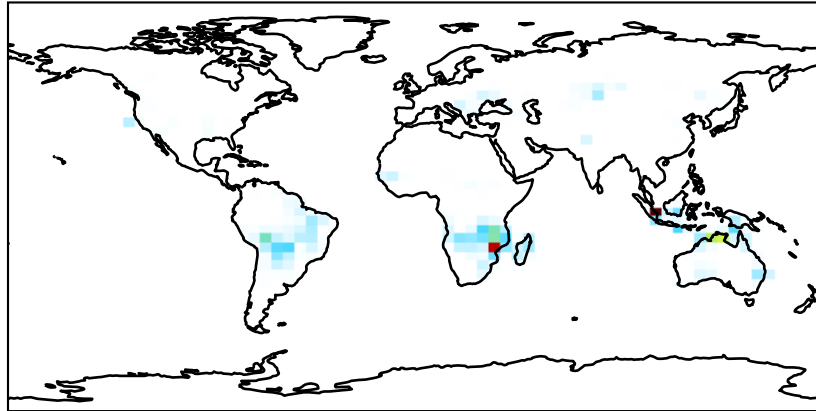


Ratio (1x1.25)  
Dev/Ref, Fixed Range

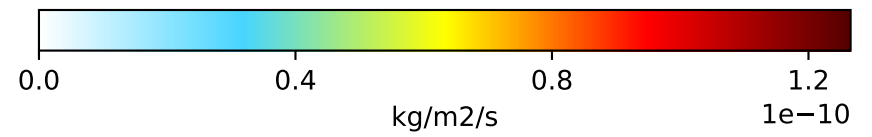
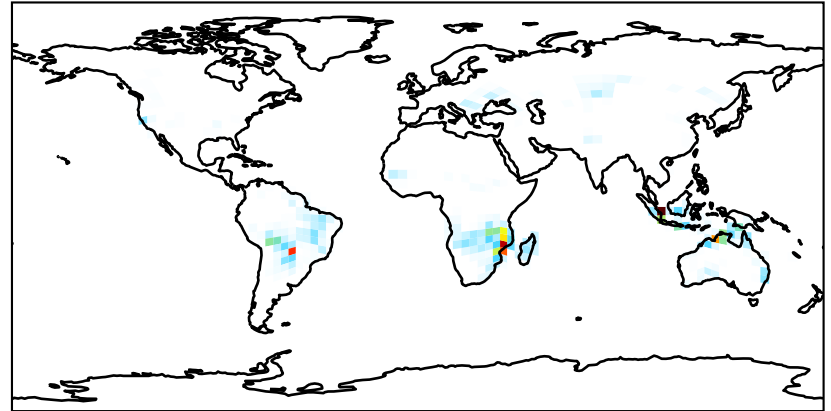


# EmisNO\_BioBurn (Oct2019)

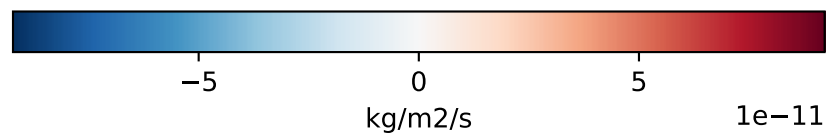
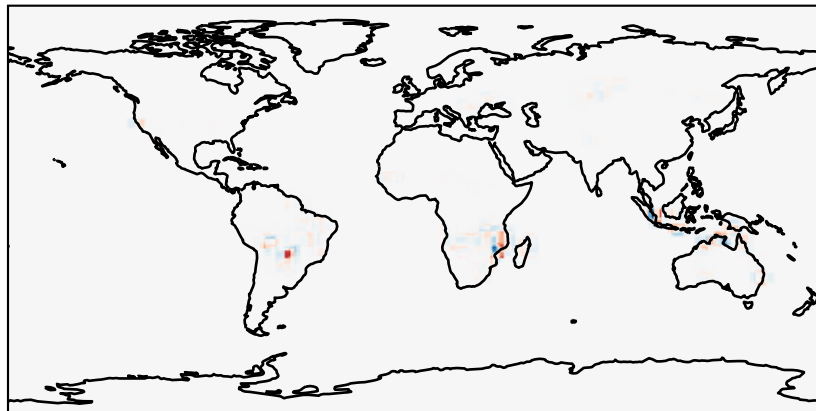
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



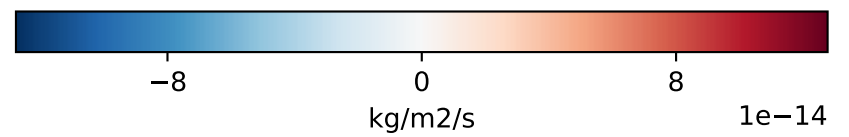
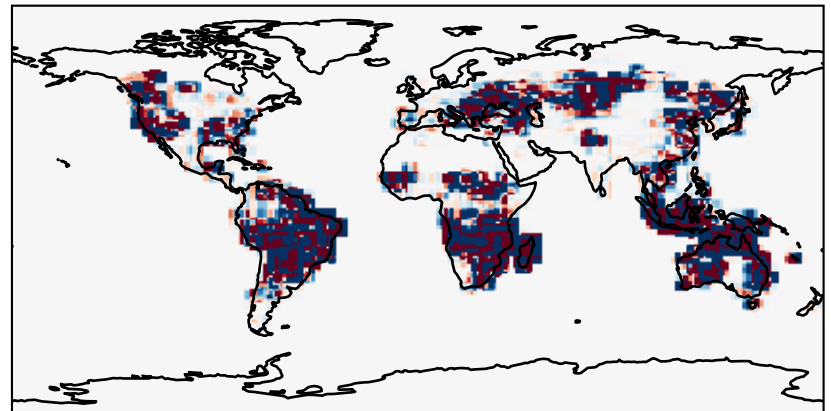
GCHP\_14.0.0-rc.3 (Dev)  
c24



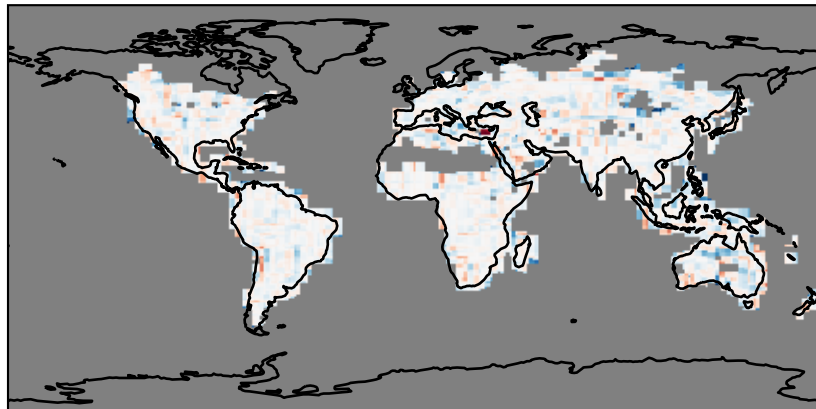
Difference (1x1.25)  
Dev - Ref, Dynamic Range



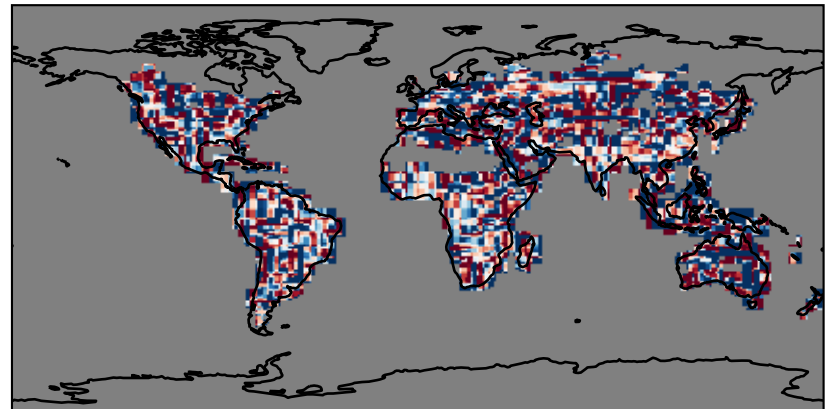
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



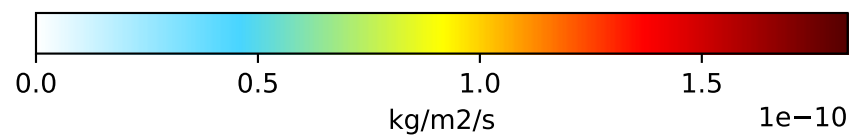
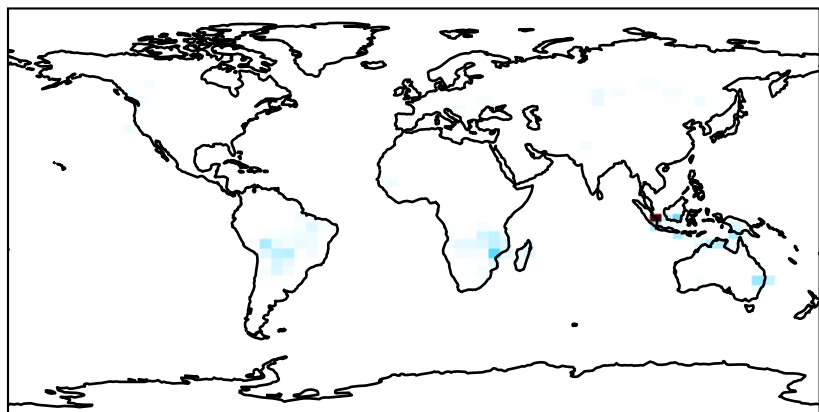
Ratio (1x1.25)  
Dev/Ref, Fixed Range



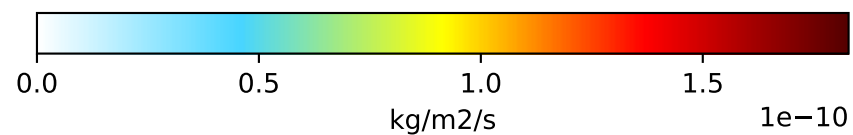
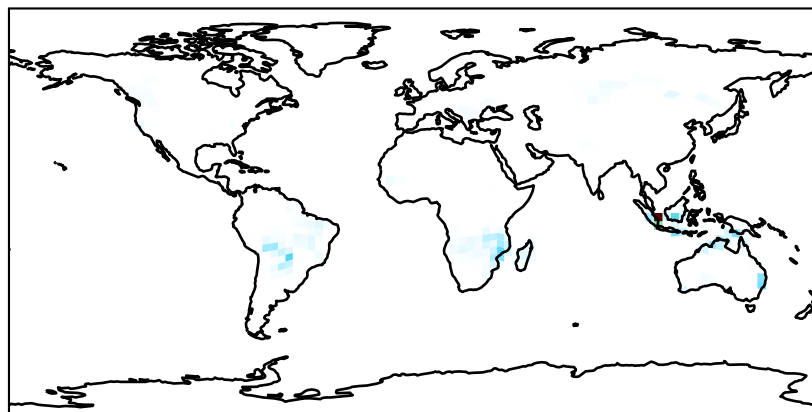


# EmisOCPI\_BioBurn (Oct2019)

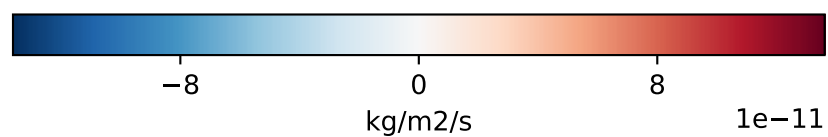
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



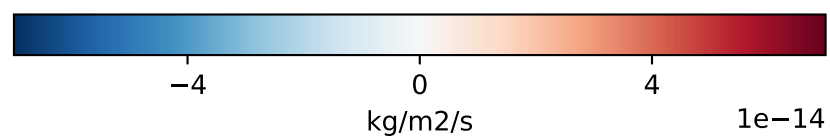
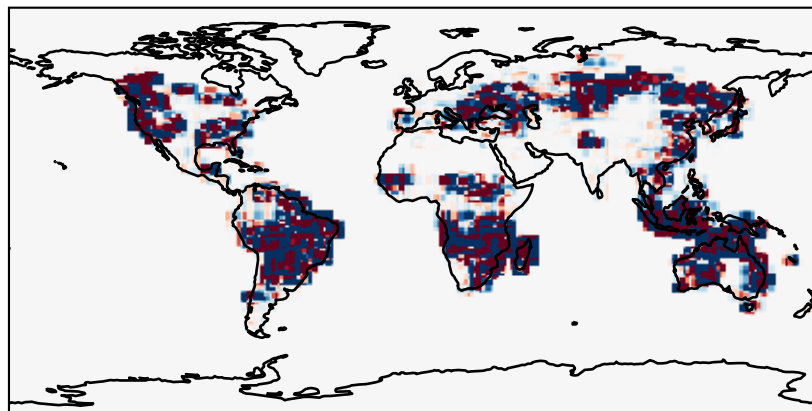
GCHP\_14.0.0-rc.3 (Dev)  
c24



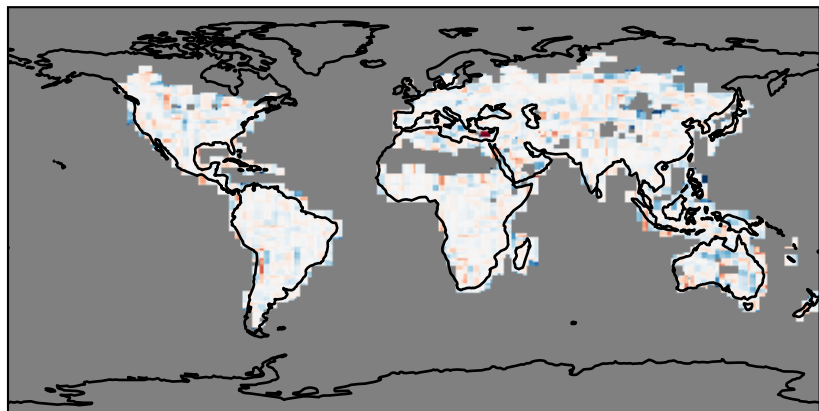
Difference (1x1.25)  
Dev - Ref, Dynamic Range



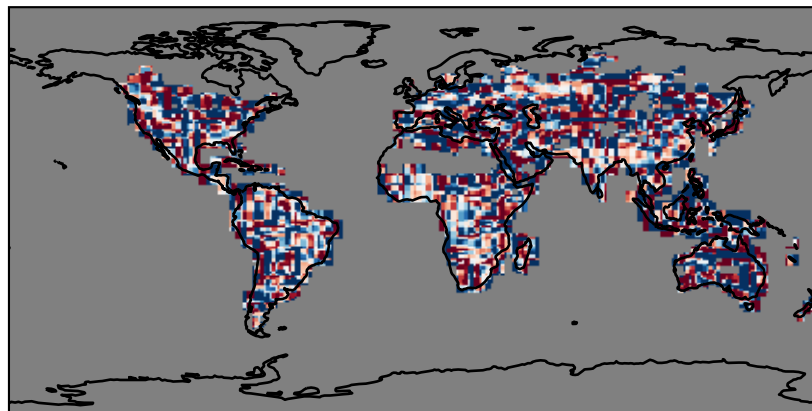
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

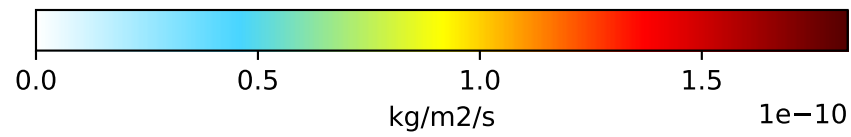
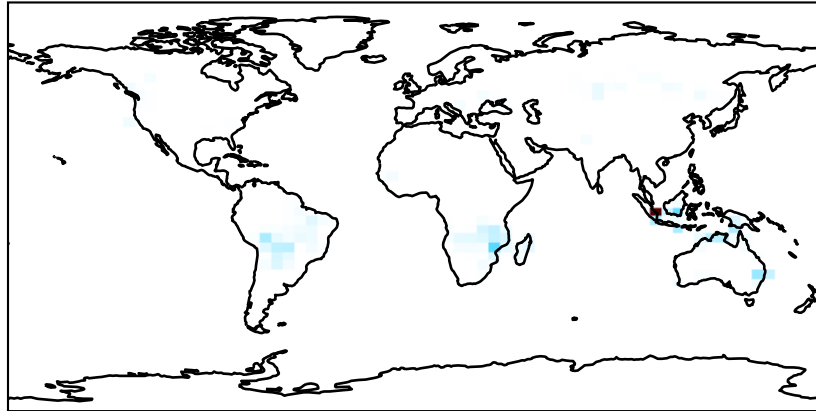


Ratio (1x1.25)  
Dev/Ref, Fixed Range

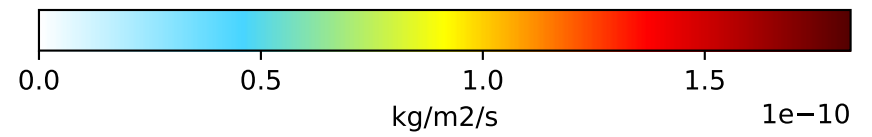
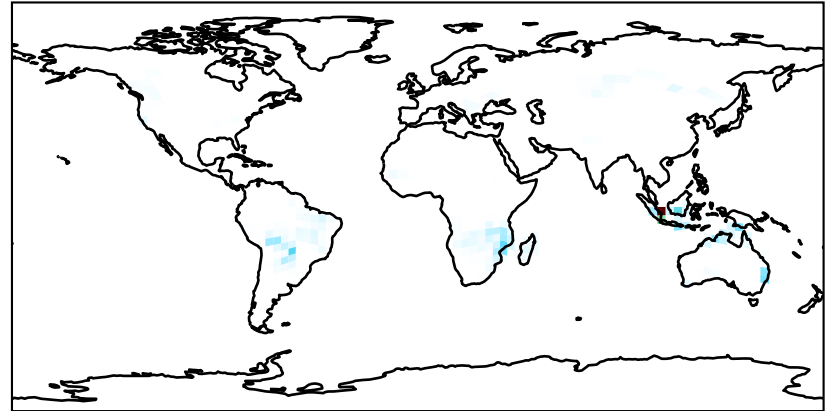


# EmisOCPO\_BioBurn (Oct2019)

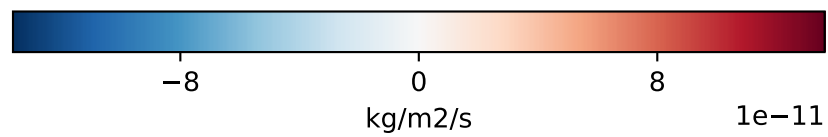
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



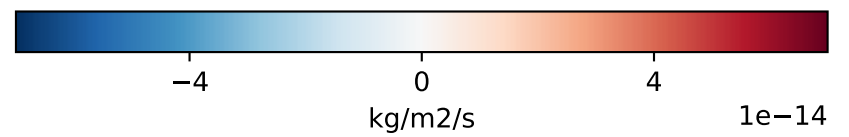
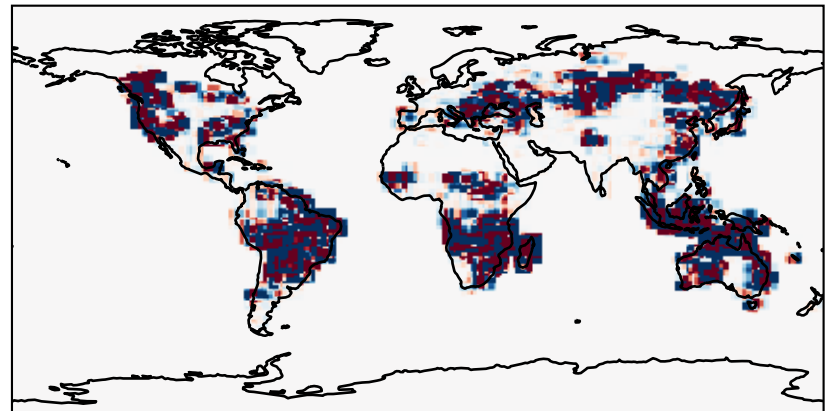
GCHP\_14.0.0-rc.3 (Dev)  
c24



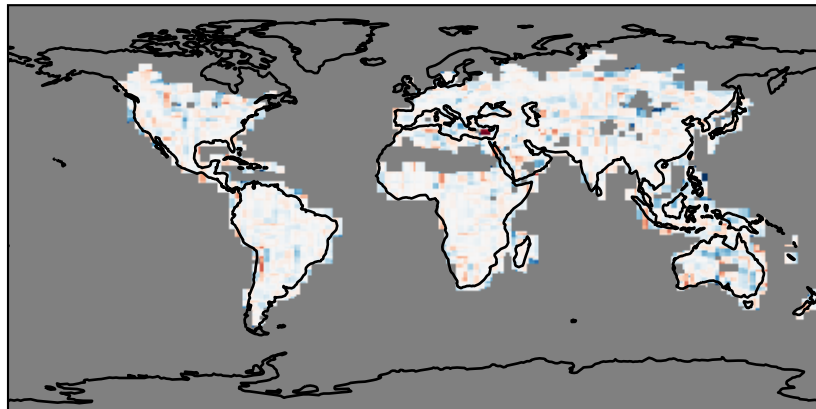
Difference (1x1.25)  
Dev - Ref, Dynamic Range



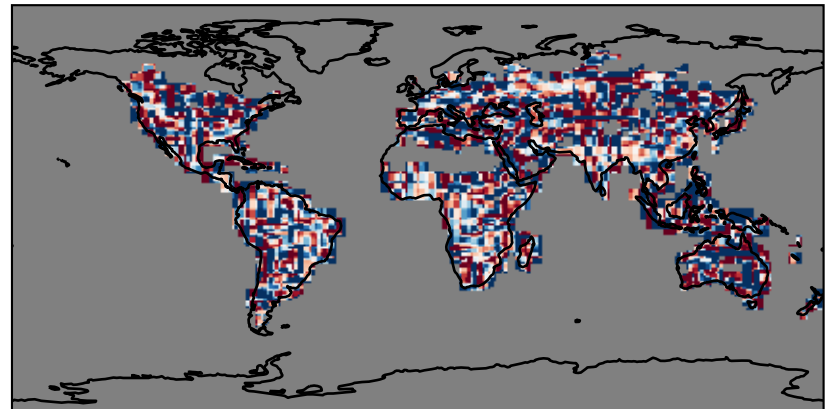
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

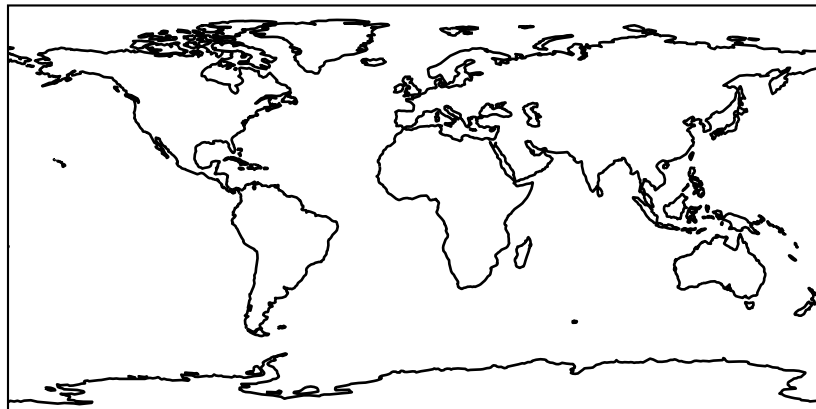


Ratio (1x1.25)  
Dev/Ref, Fixed Range



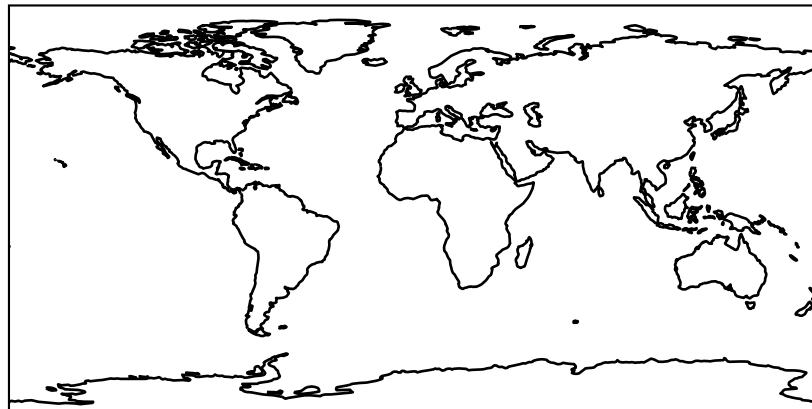
# EmisPOG1\_BioBurn (Oct2019)

GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



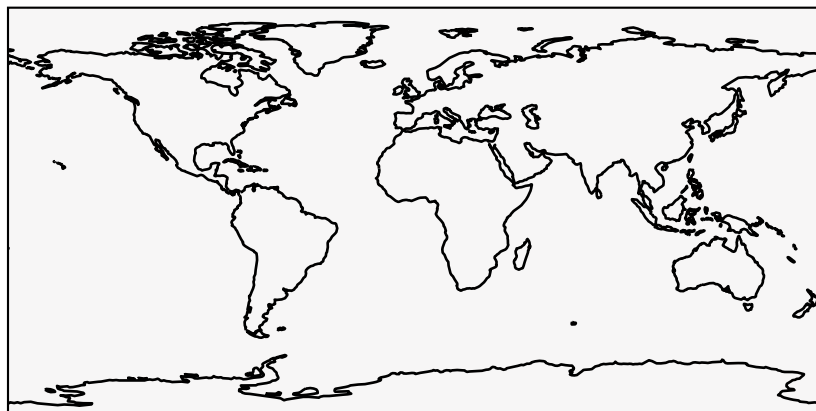
Zero throughout domain  
kg/m2/s

GCHP\_14.0.0-rc.3 (Dev)  
c24



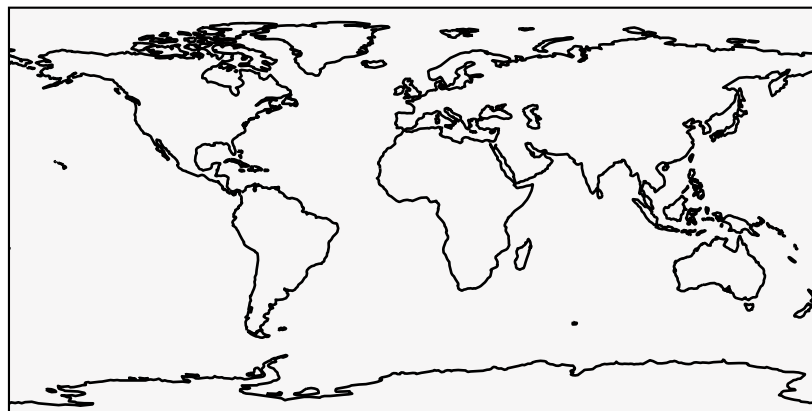
Zero throughout domain  
kg/m2/s

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



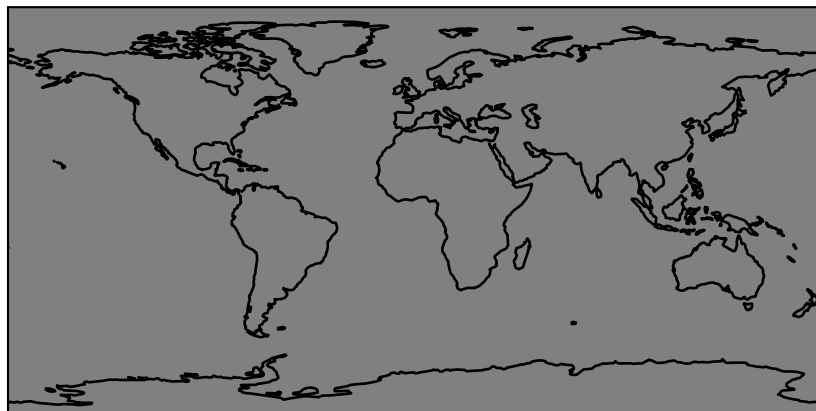
Zero throughout domain  
kg/m2/s

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



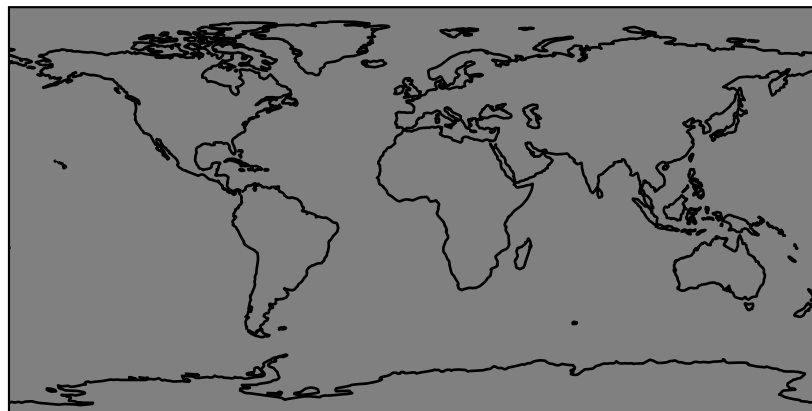
Zero throughout domain  
kg/m2/s

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



Undefined throughout domain  
unitless

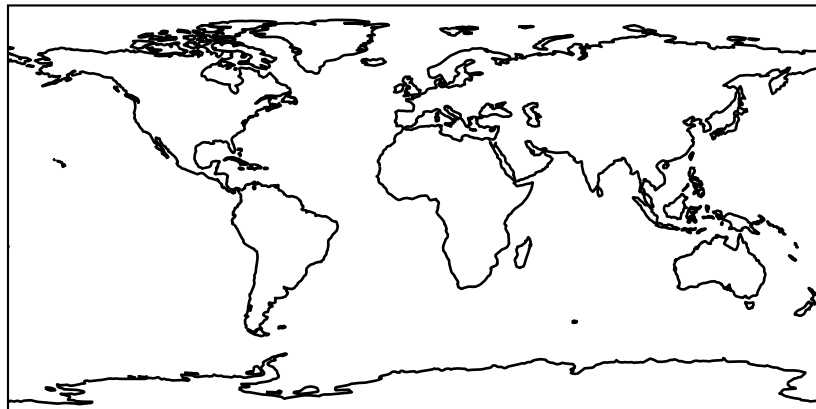
Ratio (1x1.25)  
Dev/Ref, Fixed Range



Undefined throughout domain  
unitless

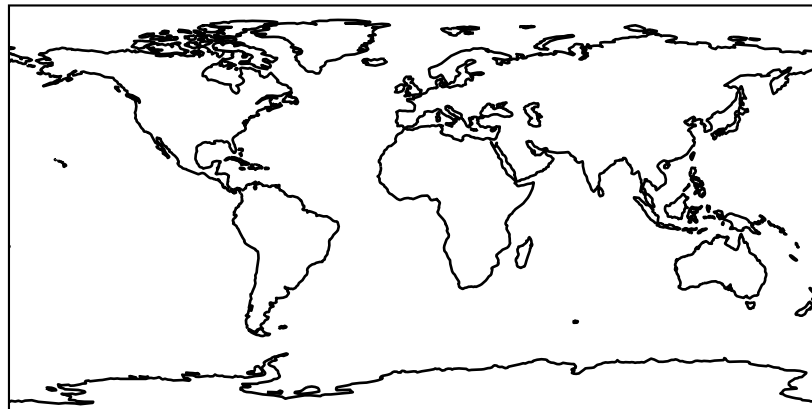
# EmisPOG2\_BioBurn (Oct2019)

GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



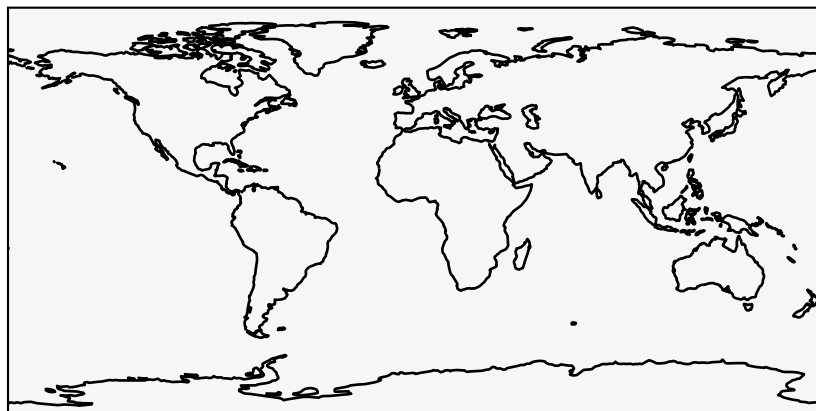
Zero throughout domain  
kg/m2/s

GCHP\_14.0.0-rc.3 (Dev)  
c24



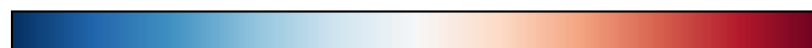
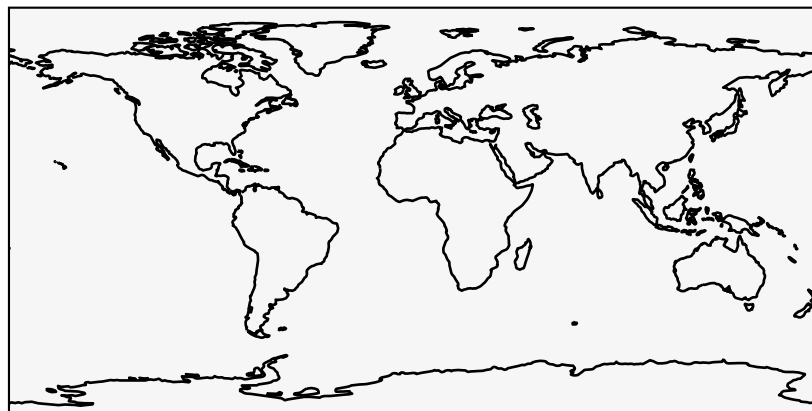
Zero throughout domain  
kg/m2/s

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



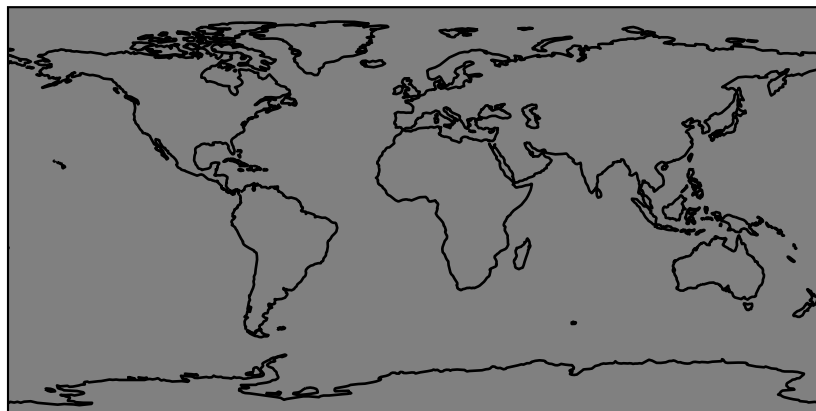
Zero throughout domain  
kg/m2/s

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



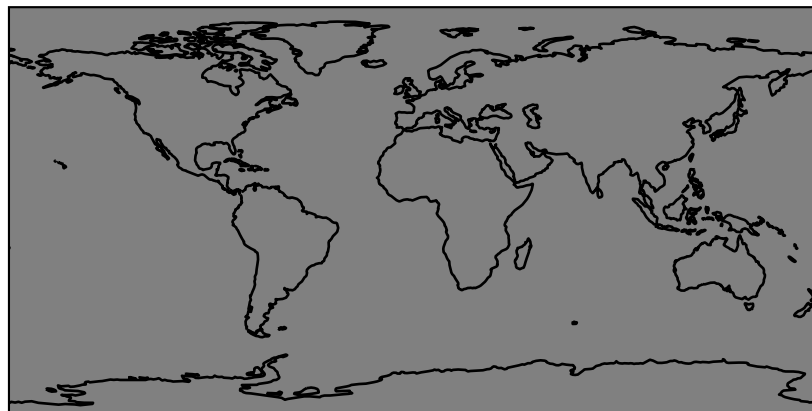
Zero throughout domain  
kg/m2/s

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



Undefined throughout domain  
unitless

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

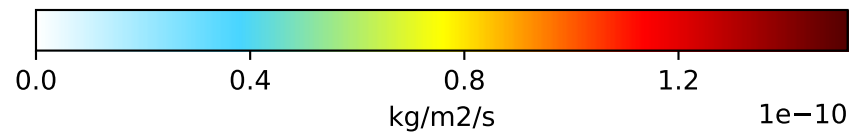
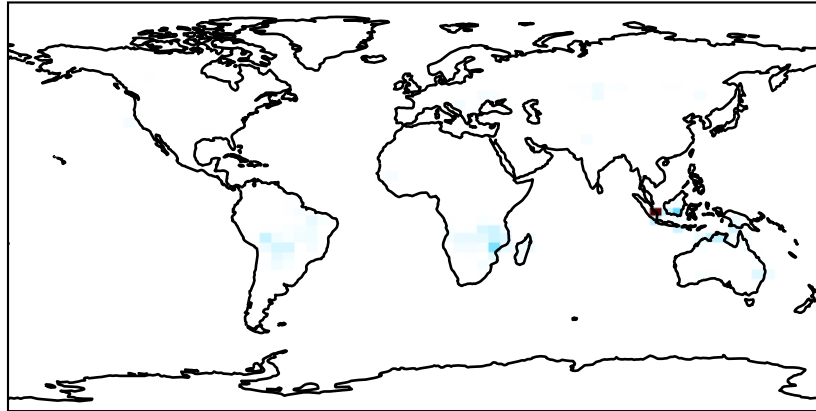


Undefined throughout domain  
unitless

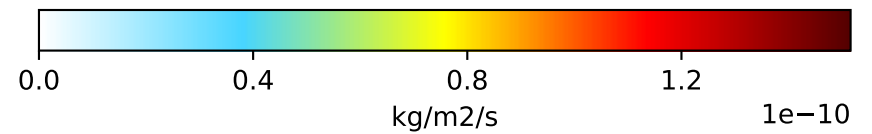
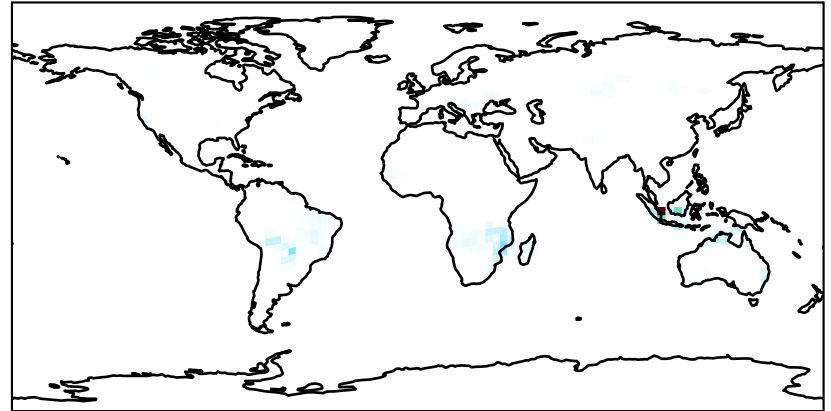


# EmisPRPE\_BioBurn (Oct2019)

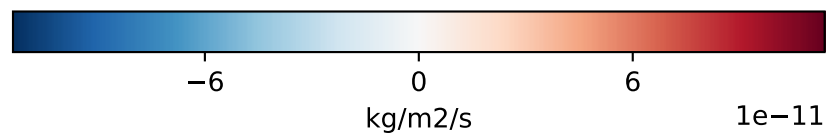
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



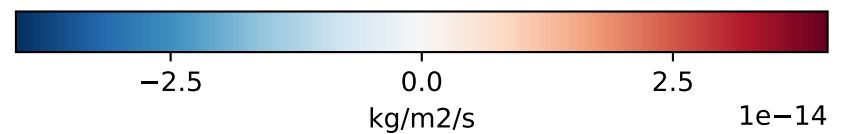
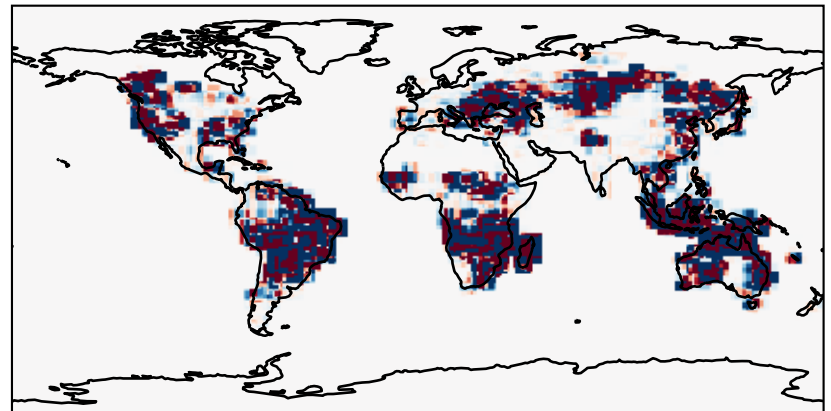
GCHP\_14.0.0-rc.3 (Dev)  
c24



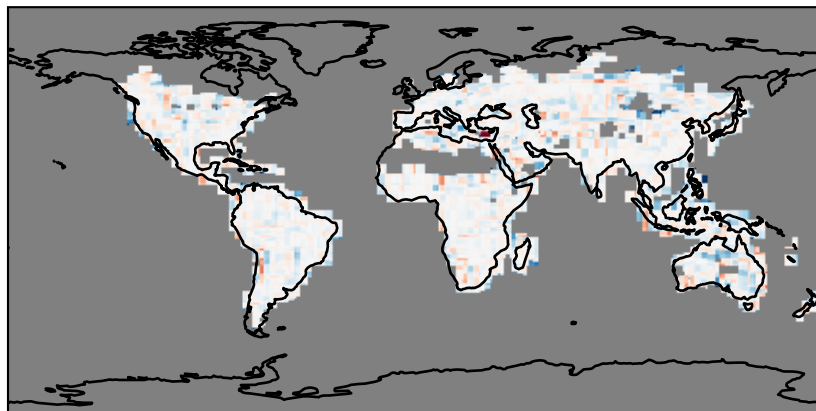
Difference (1x1.25)  
Dev - Ref, Dynamic Range



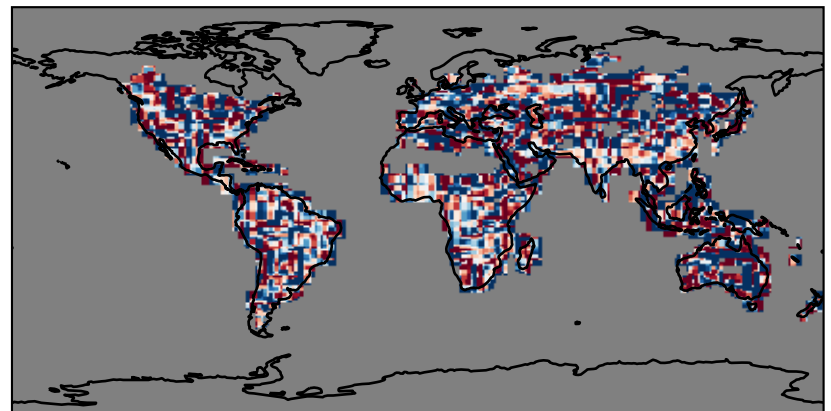
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

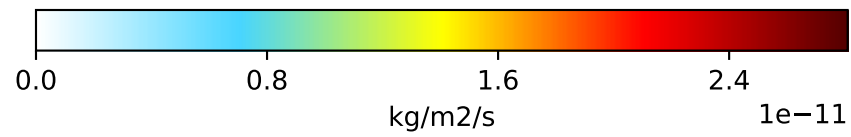
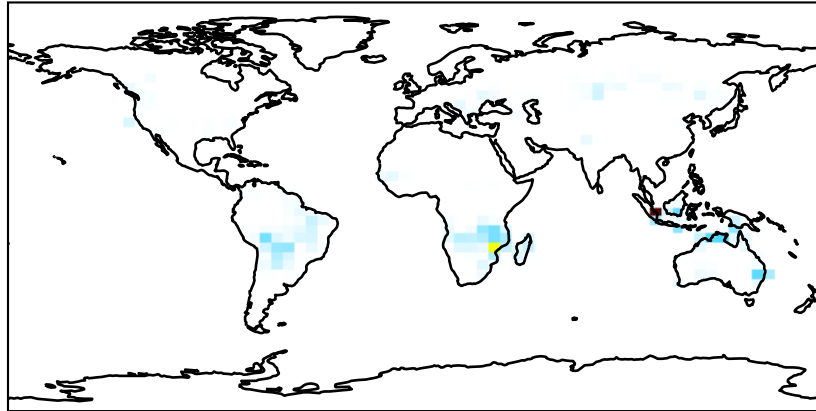


Ratio (1x1.25)  
Dev/Ref, Fixed Range

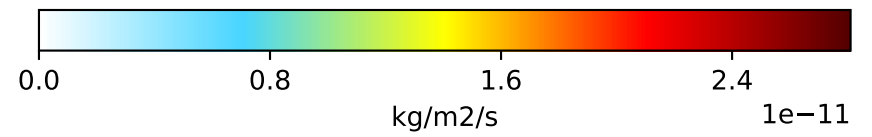
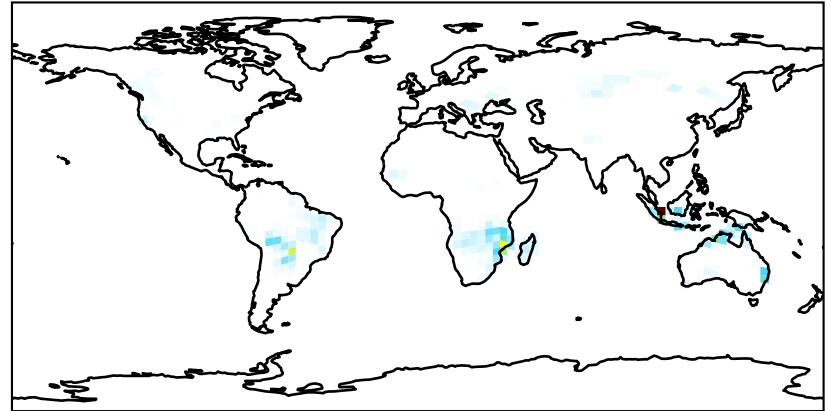


# EmisSO2\_BioBurn (Oct2019)

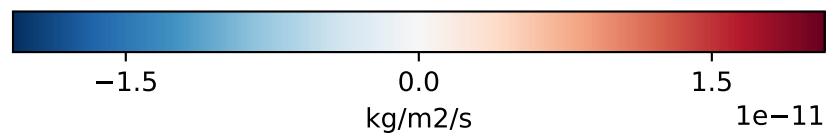
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



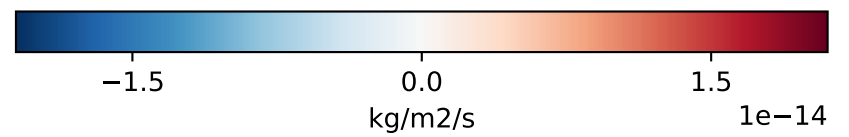
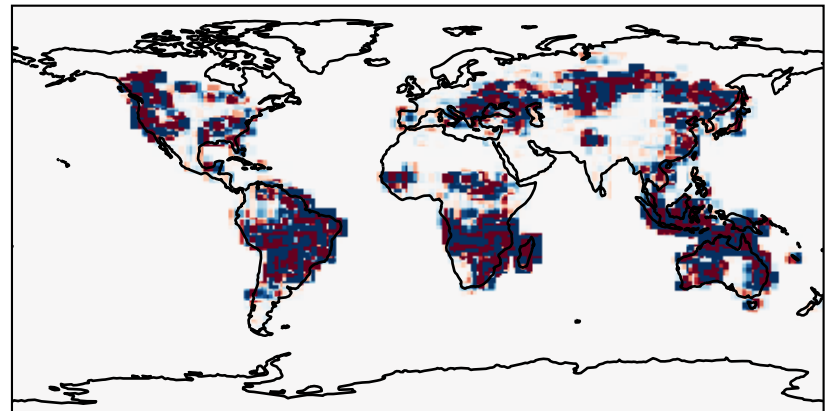
GCHP\_14.0.0-rc.3 (Dev)  
c24



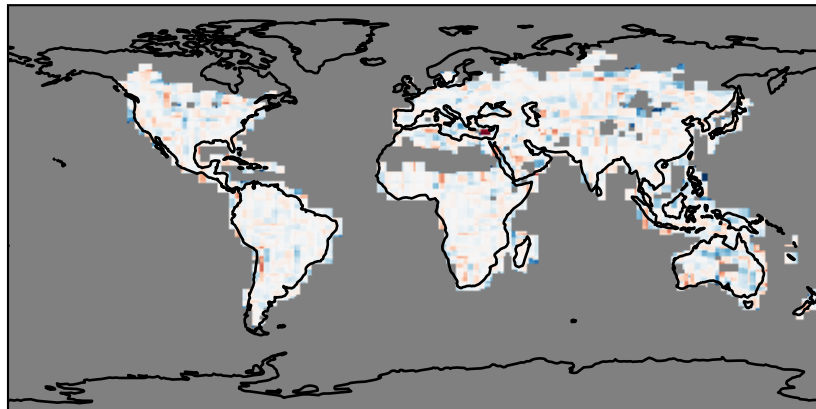
Difference (1x1.25)  
Dev - Ref, Dynamic Range



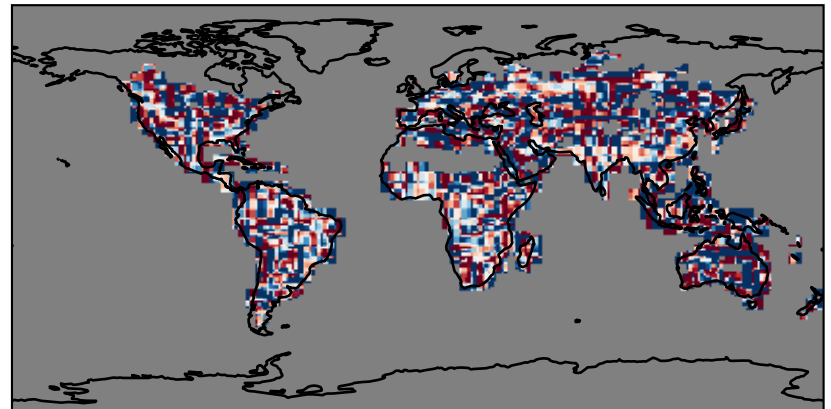
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

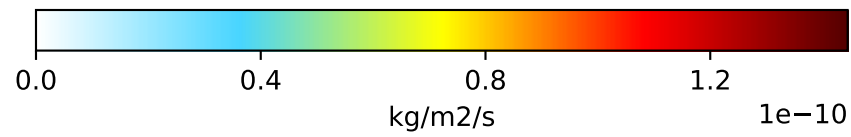
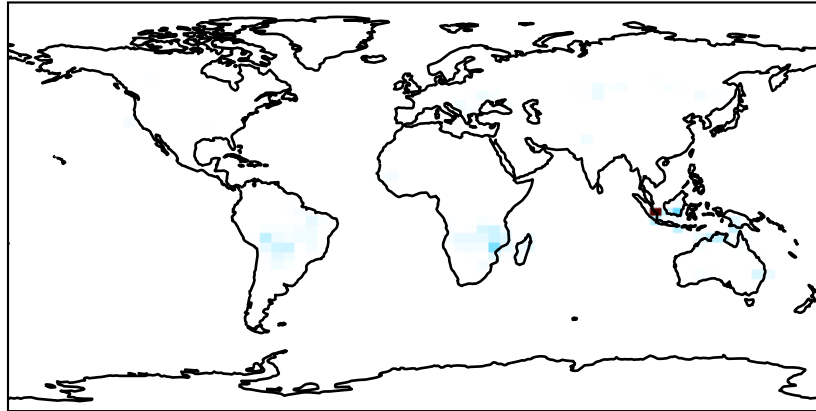


Ratio (1x1.25)  
Dev/Ref, Fixed Range

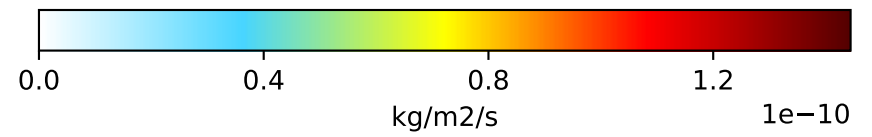
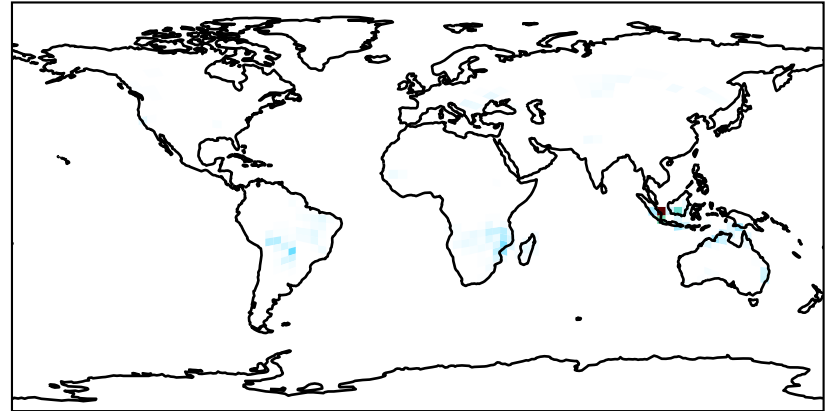


# EmisSOAP\_BioBurn (Oct2019)

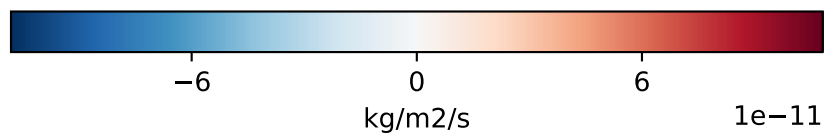
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



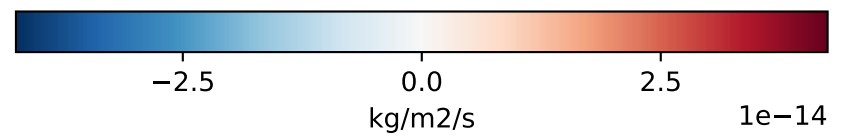
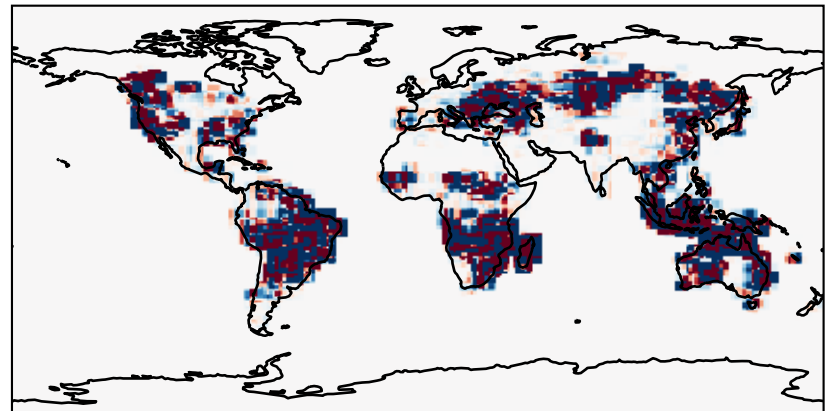
GCHP\_14.0.0-rc.3 (Dev)  
c24



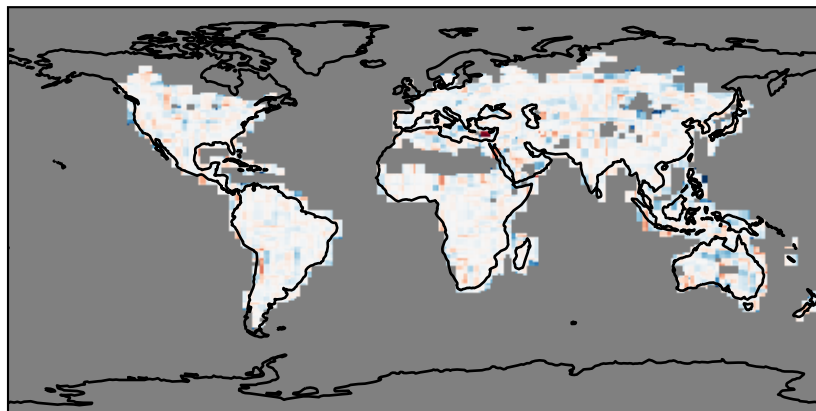
Difference (1x1.25)  
Dev - Ref, Dynamic Range



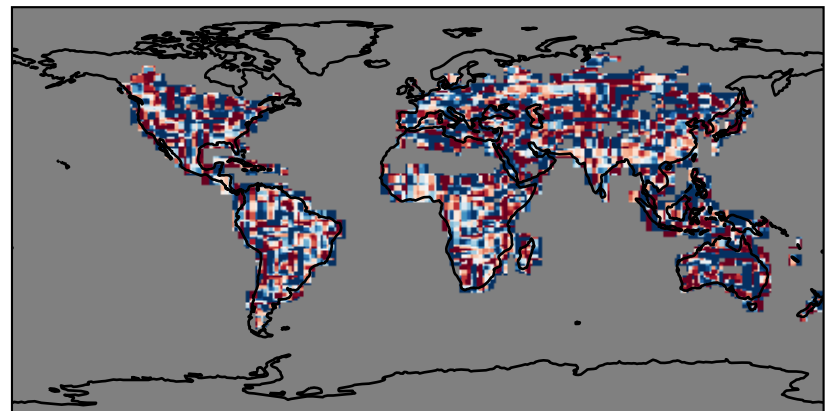
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

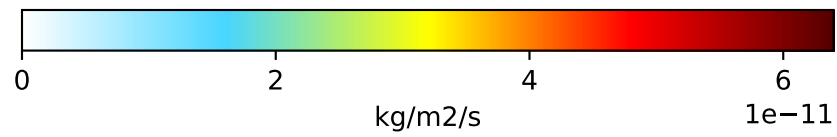


Ratio (1x1.25)  
Dev/Ref, Fixed Range

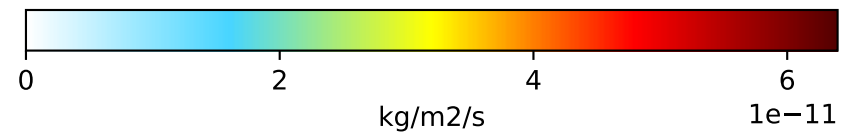


# EmisTOLU\_BioBurn (Oct2019)

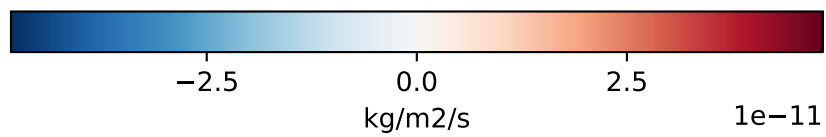
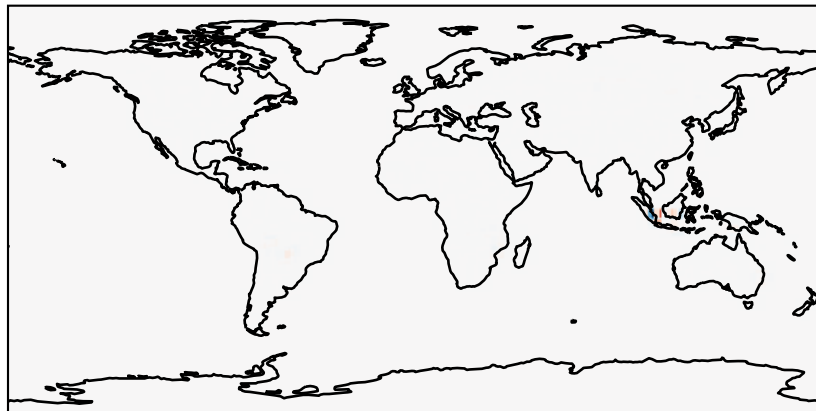
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



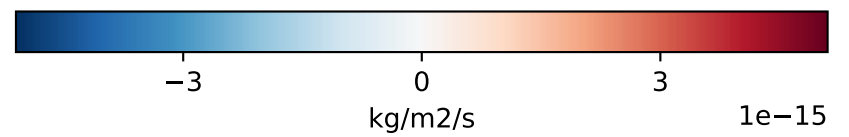
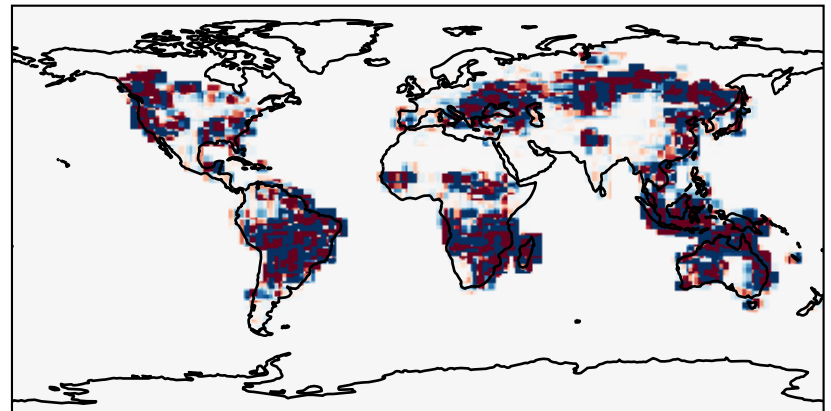
GCHP\_14.0.0-rc.3 (Dev)  
c24



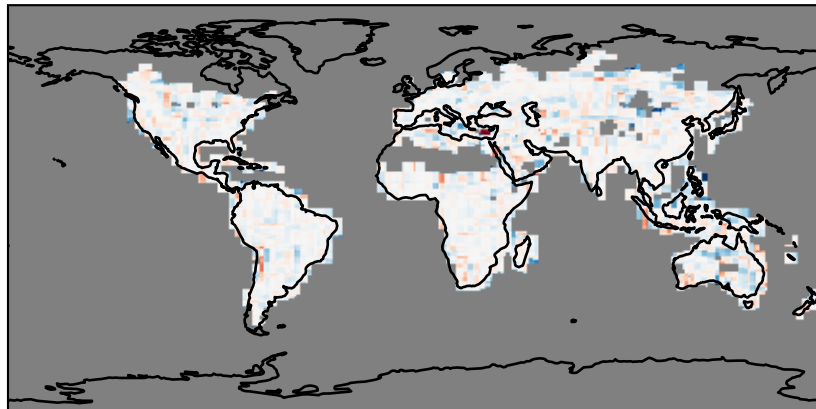
Difference (1x1.25)  
Dev - Ref, Dynamic Range



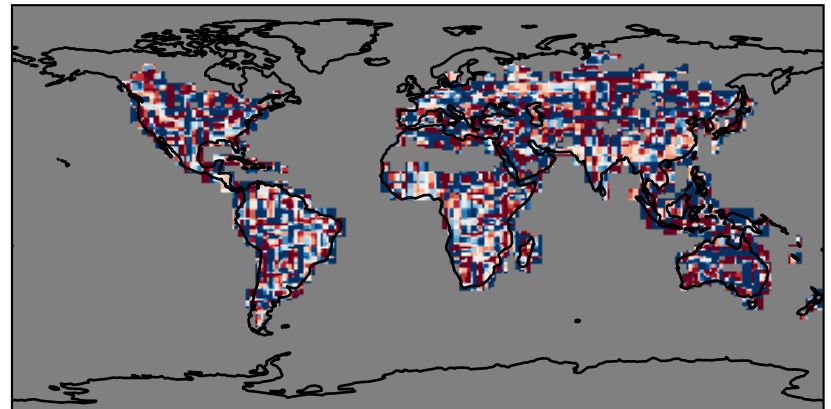
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



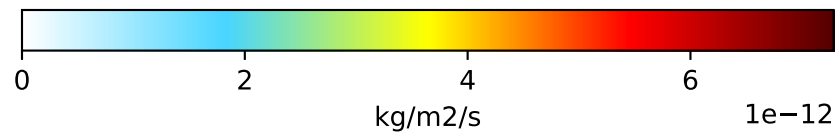
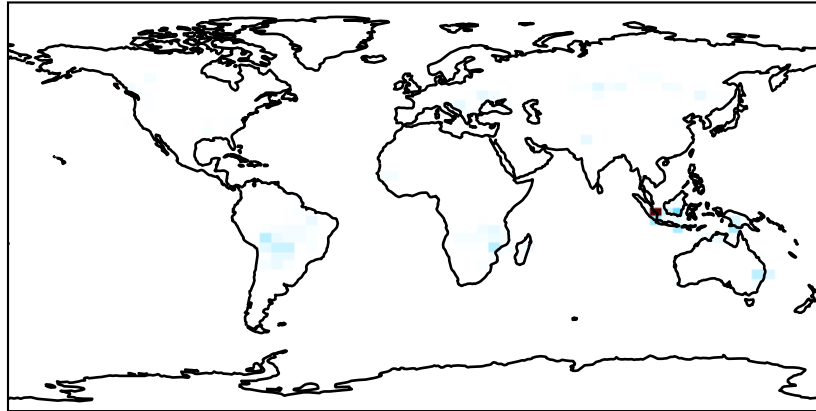
Ratio (1x1.25)  
Dev/Ref, Fixed Range



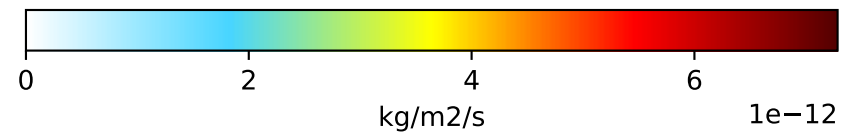
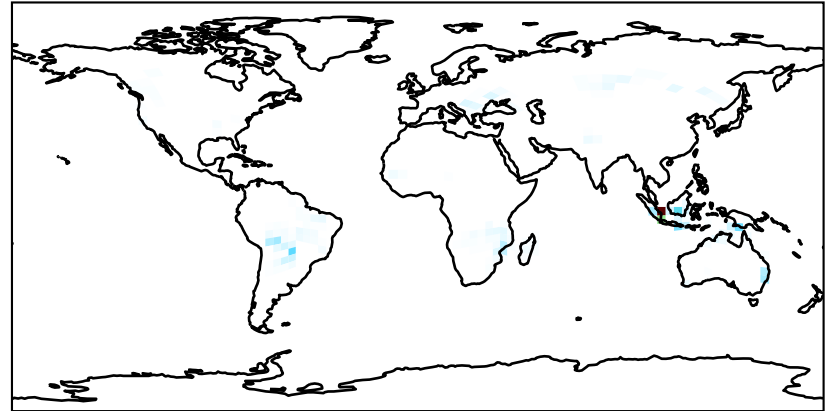


# EmisXYLE\_BioBurn (Oct2019)

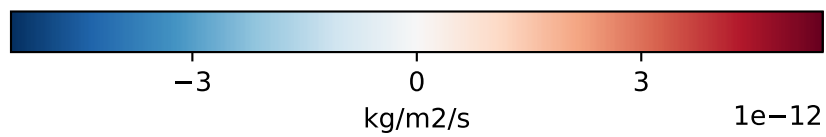
GCC\_14.0.0-rc.3 (Ref)  
4.0x5.0



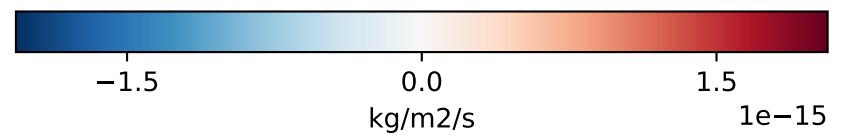
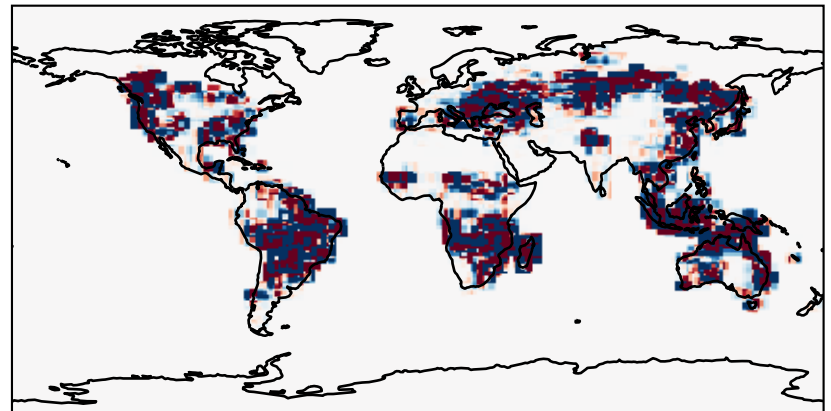
GCHP\_14.0.0-rc.3 (Dev)  
c24



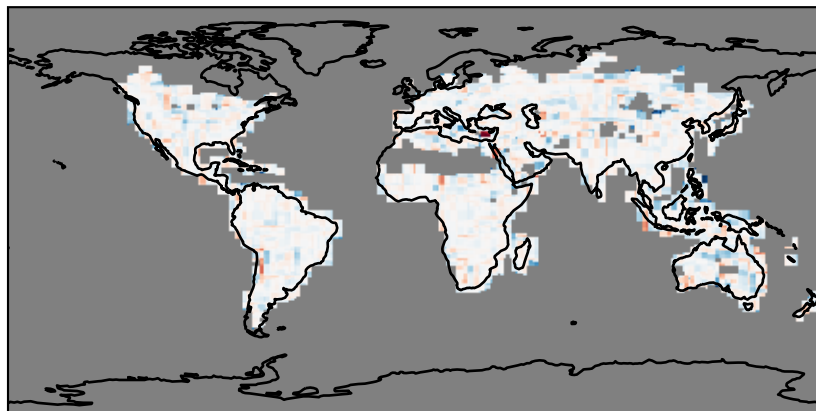
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



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

