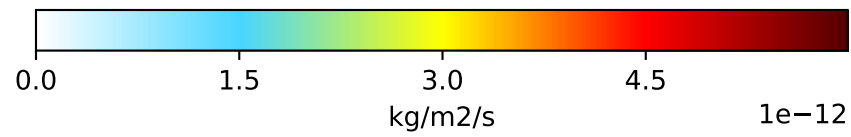
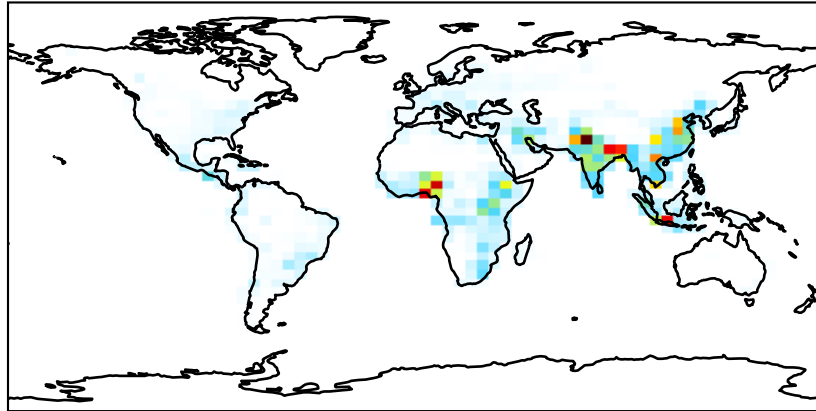
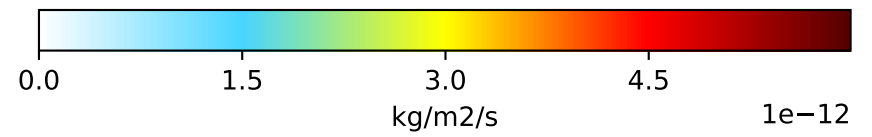
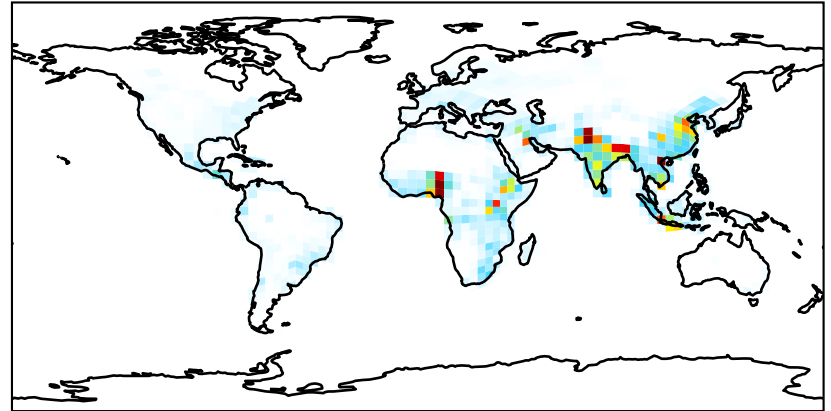


EmisALD2_Anthro (Jul2019)

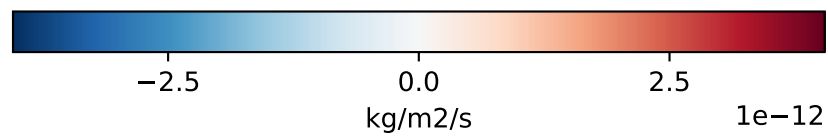
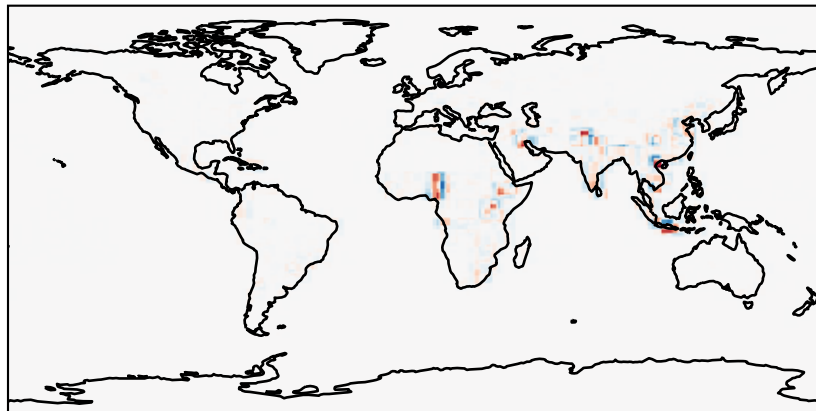
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



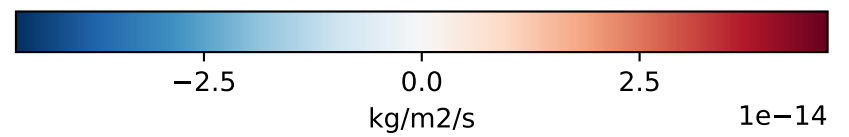
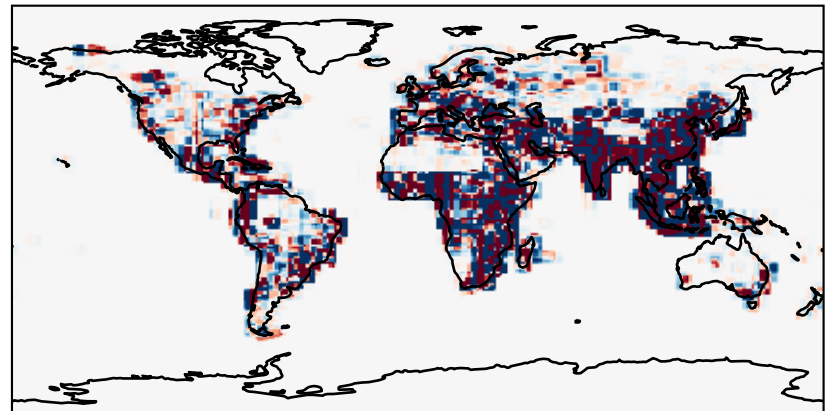
GCHP_14.0.0-rc.3 (Dev)
c24



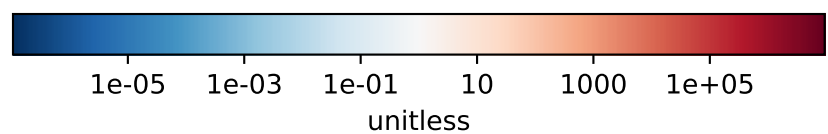
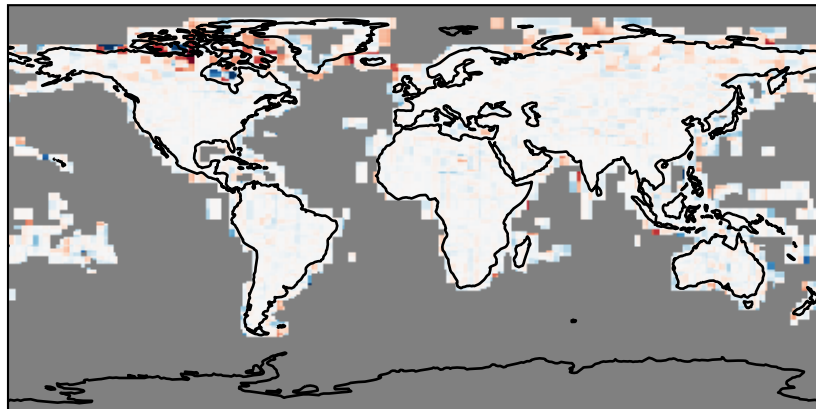
Difference (1x1.25)
Dev - Ref, Dynamic Range



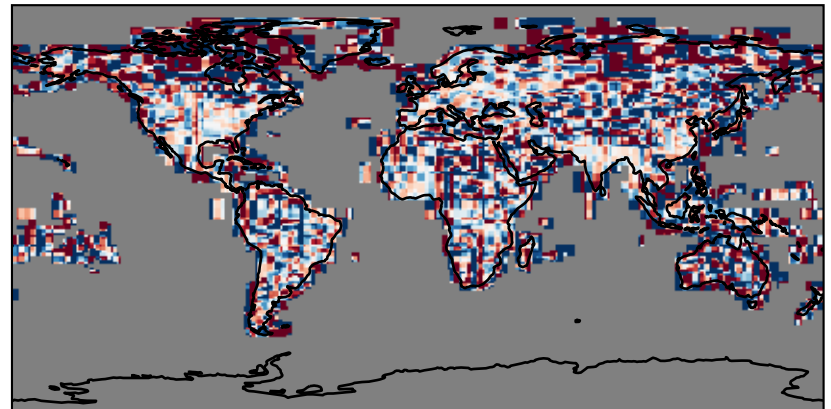
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

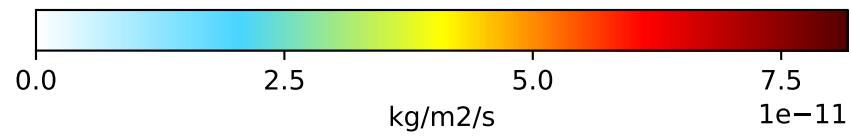
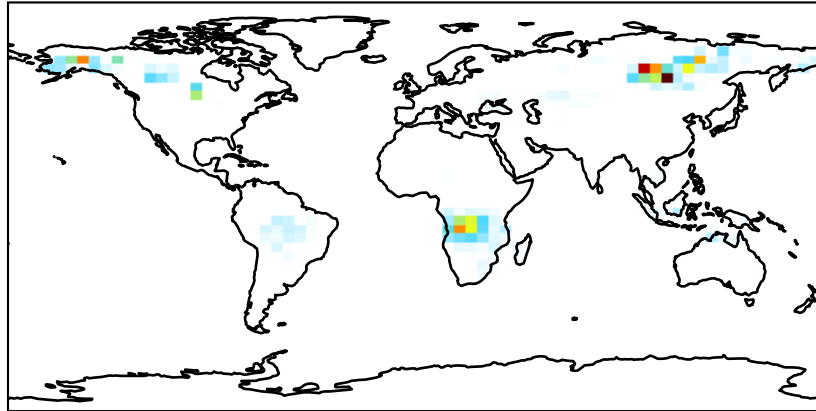


Ratio (1x1.25)
Dev/Ref, Fixed Range

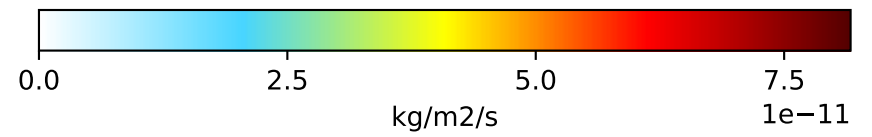
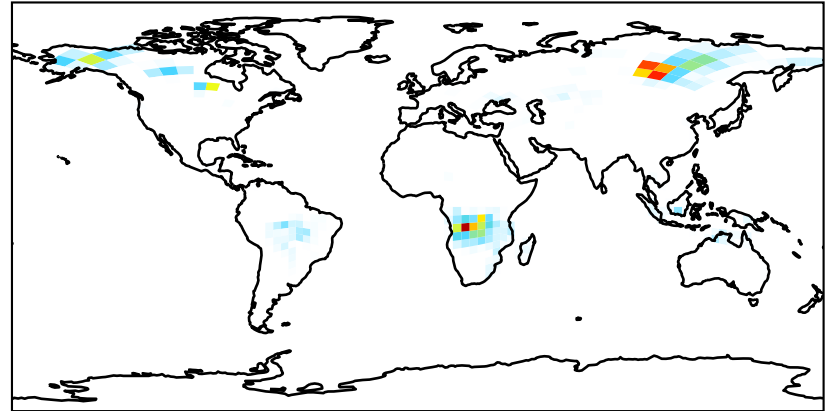


EmisALD2_BioBurn (Jul2019)

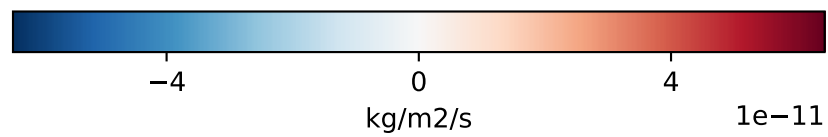
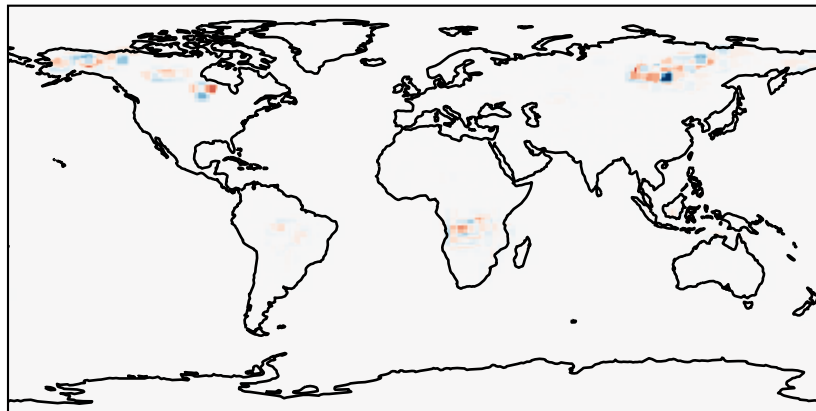
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



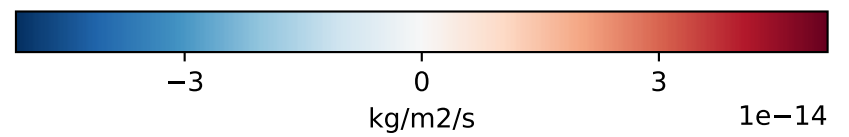
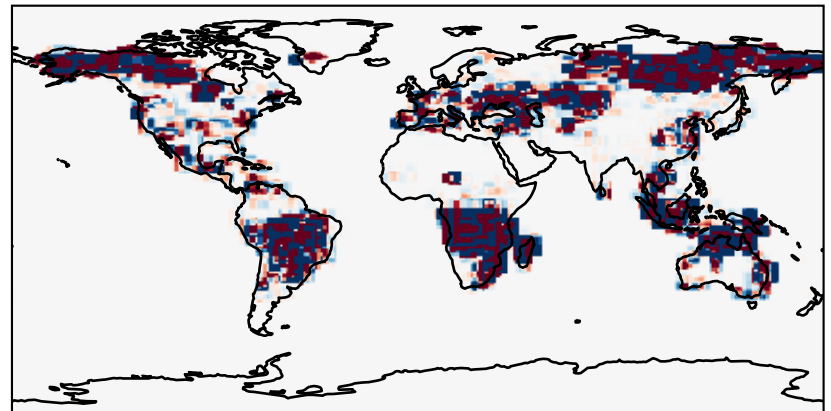
GCHP_14.0.0-rc.3 (Dev)
c24



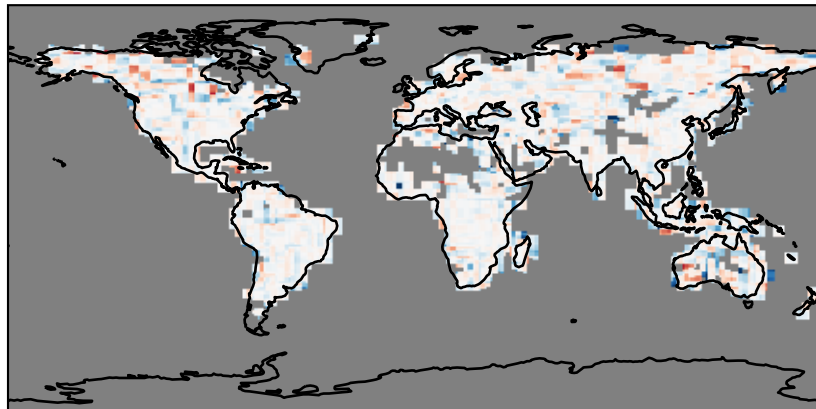
Difference (1x1.25)
Dev - Ref, Dynamic Range



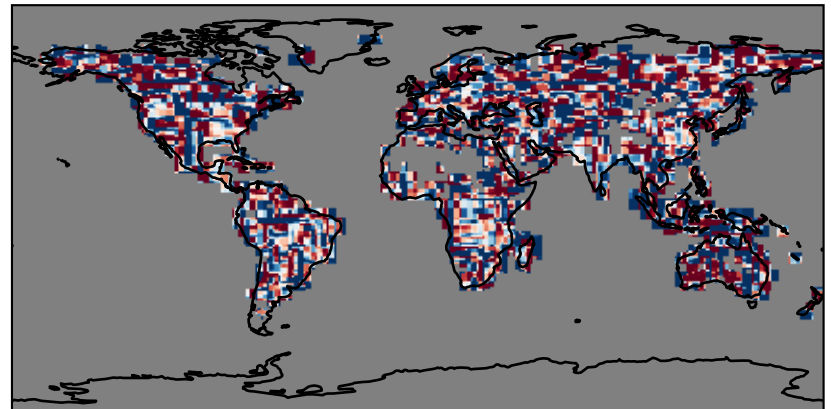
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

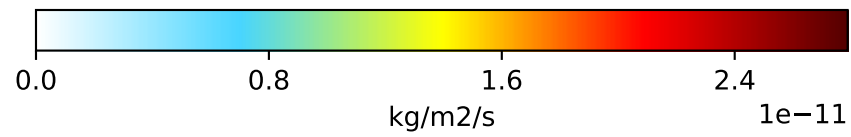
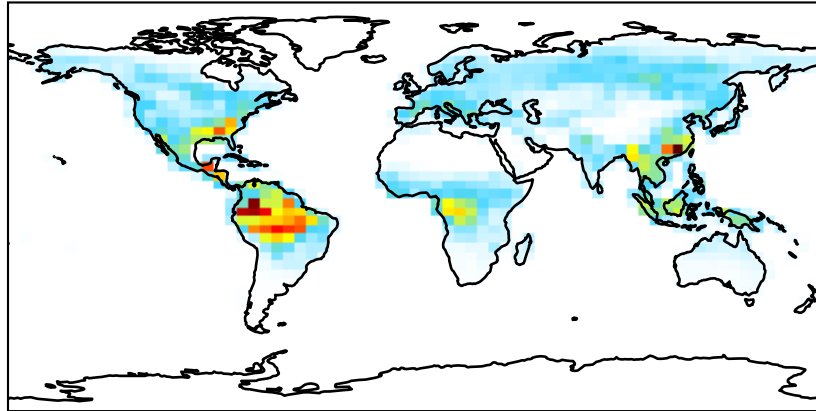


Ratio (1x1.25)
Dev/Ref, Fixed Range

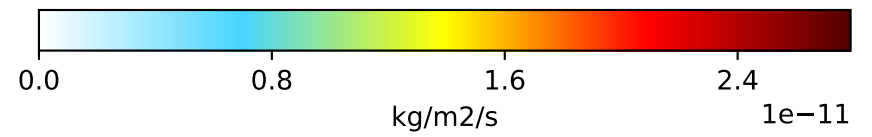
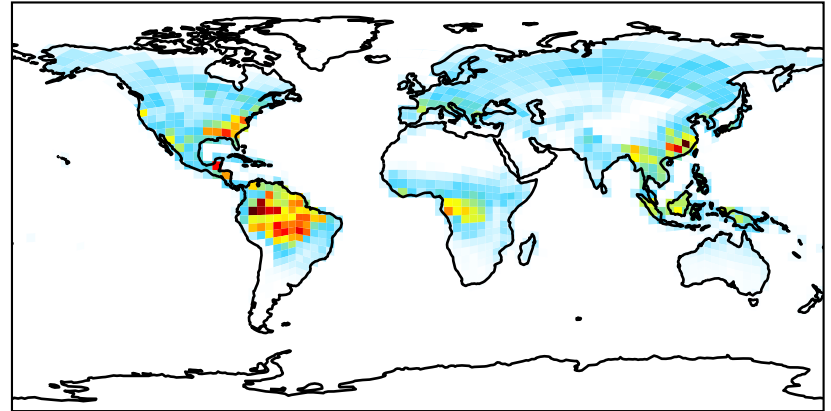


EmisALD2_Biogenic (Jul2019)

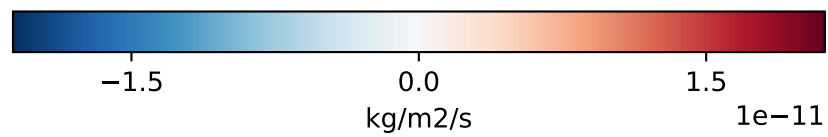
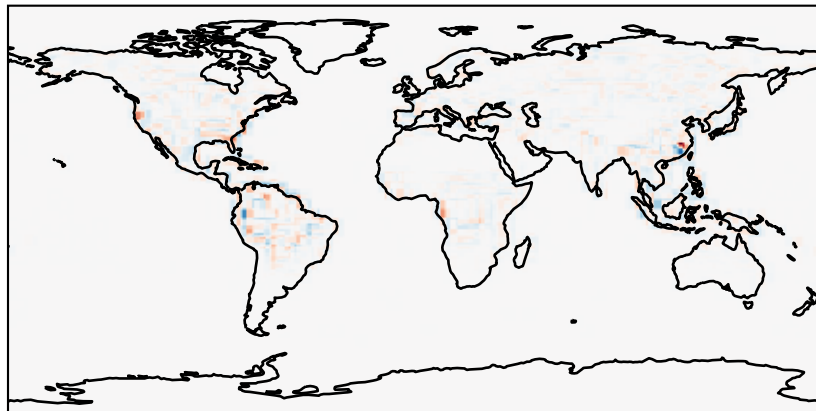
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



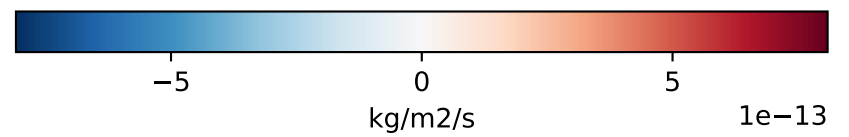
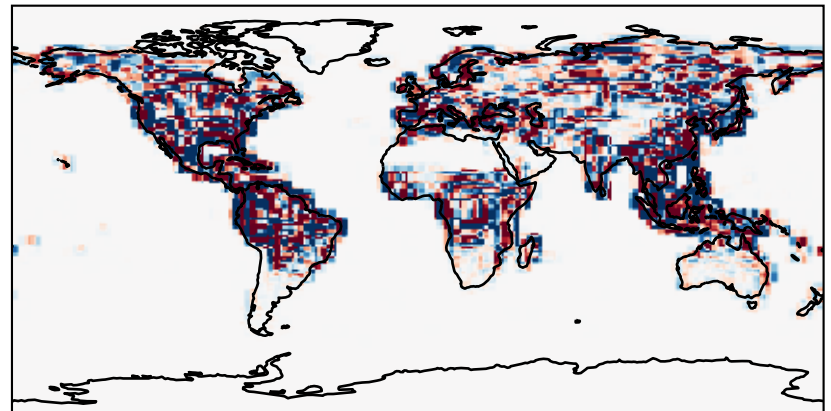
GCHP_14.0.0-rc.3 (Dev)
c24



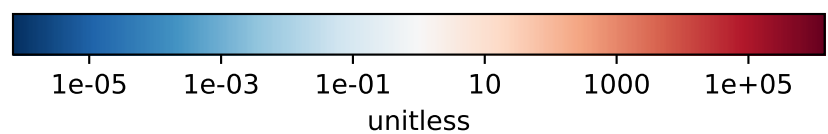
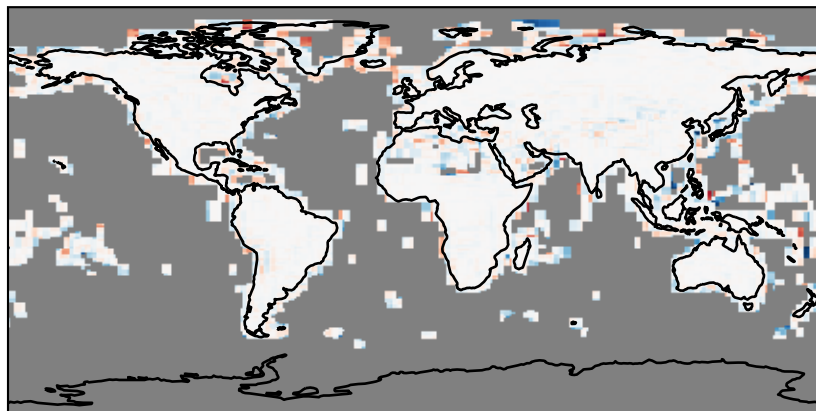
Difference (1x1.25)
Dev - Ref, Dynamic Range



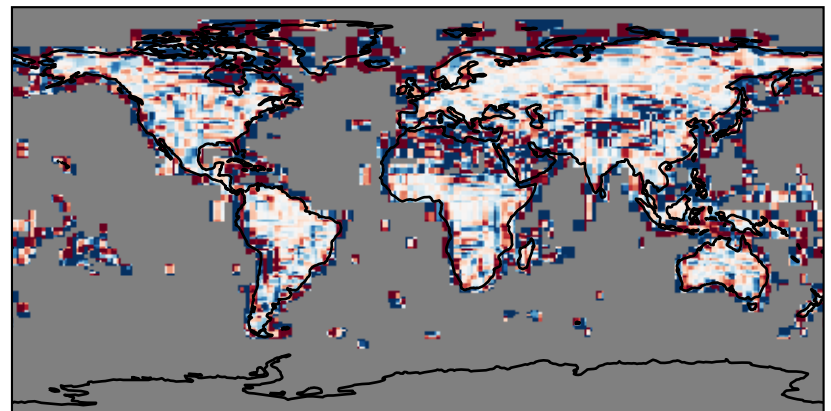
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

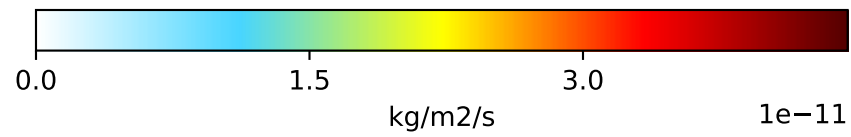
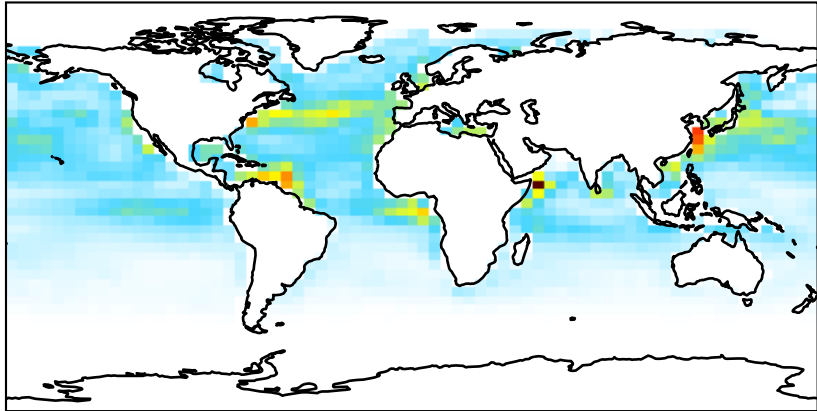


Ratio (1x1.25)
Dev/Ref, Fixed Range

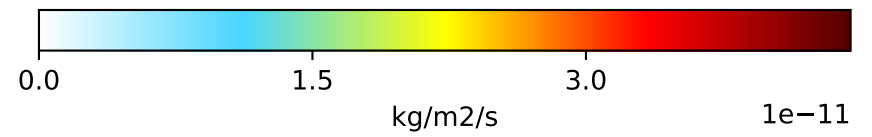
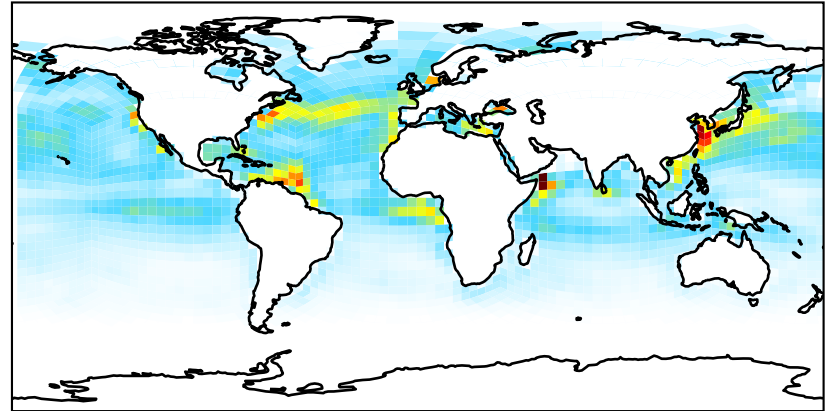


EmisALD2_Ocean (Jul2019)

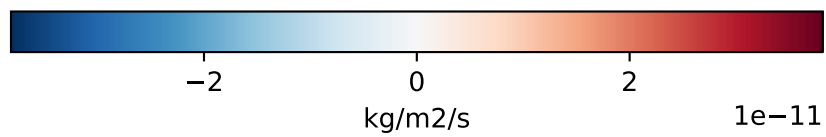
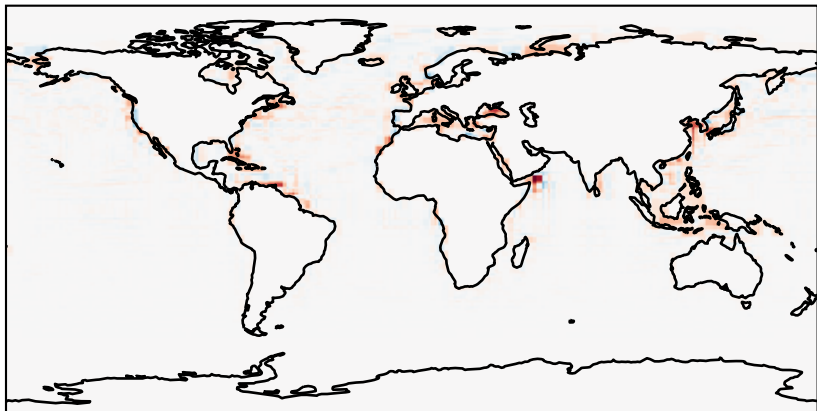
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



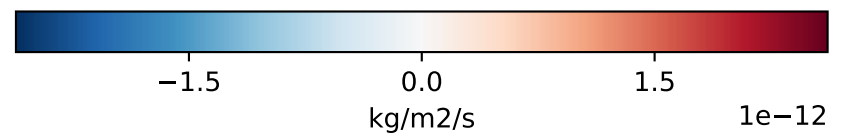
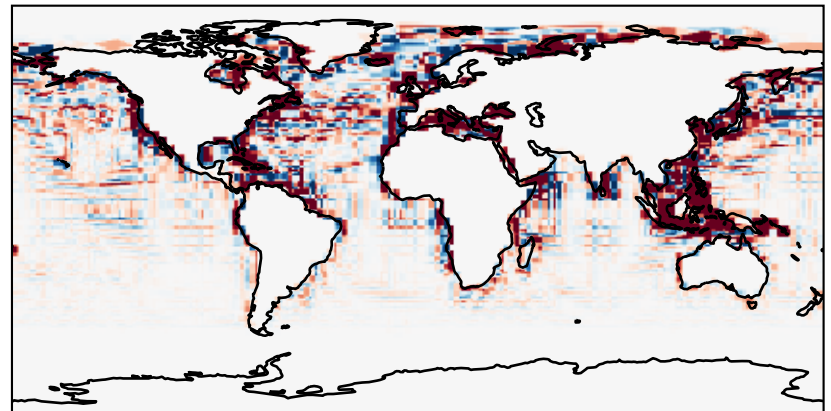
GCHP_14.0.0-rc.3 (Dev)
c24



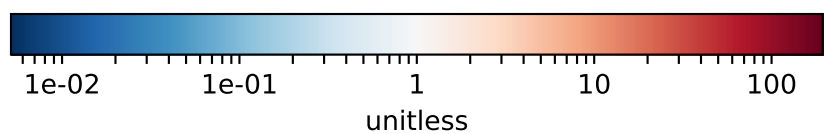
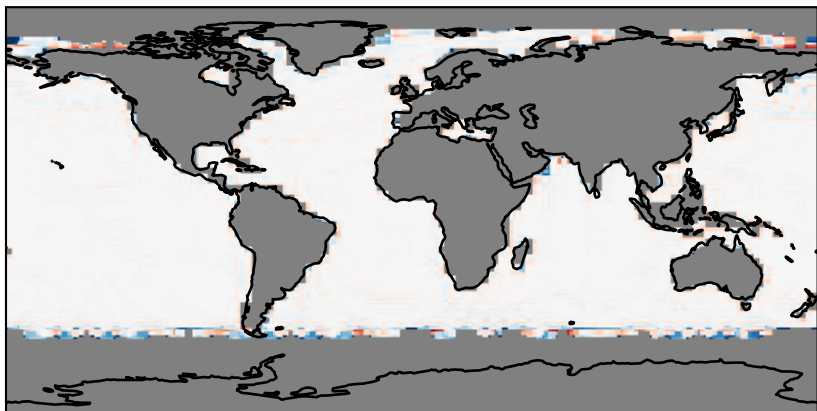
Difference (1x1.25)
Dev - Ref, Dynamic Range



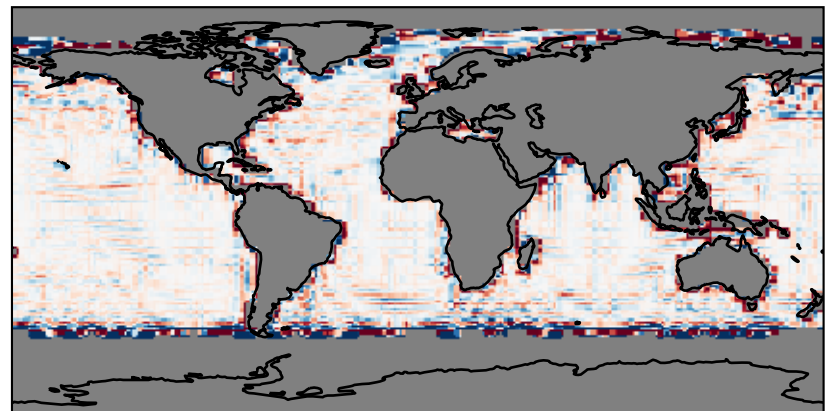
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

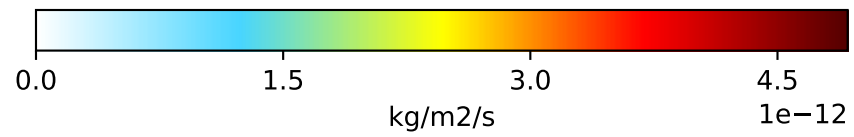
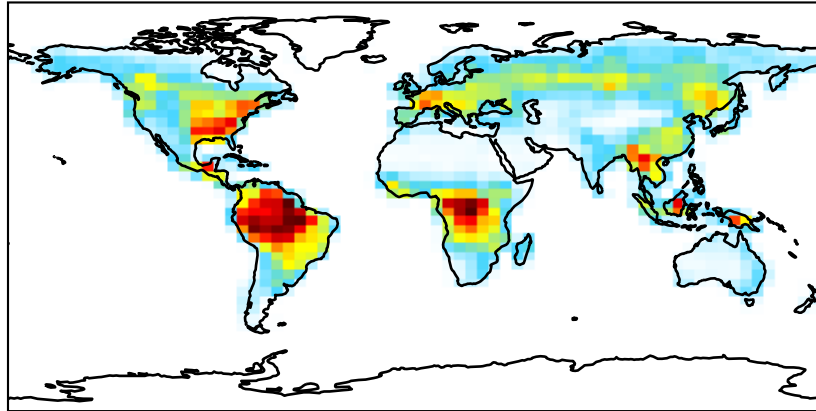


Ratio (1x1.25)
Dev/Ref, Fixed Range

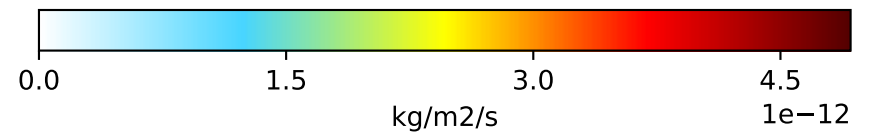
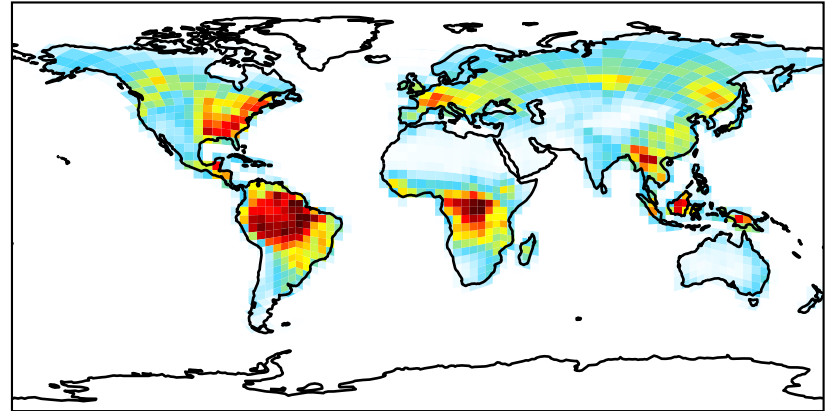


EmisALD2_PlantDecay (Jul2019)

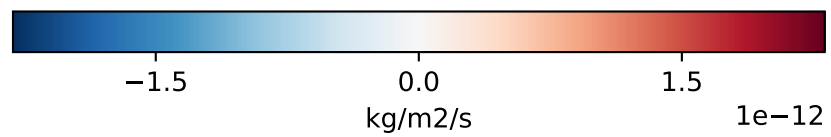
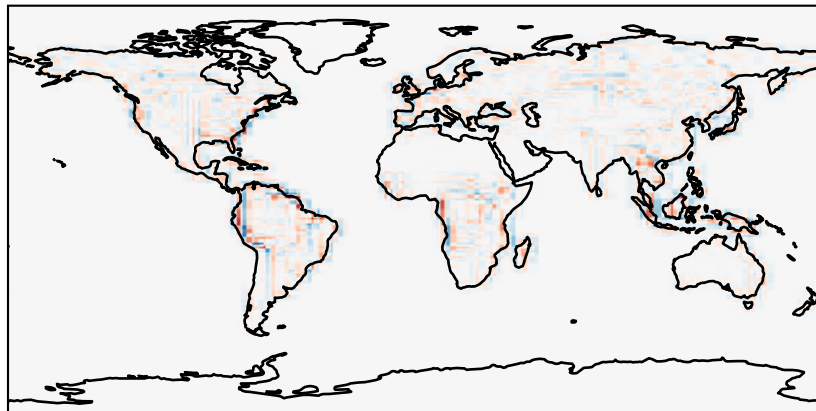
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



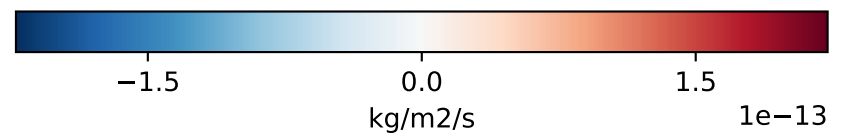
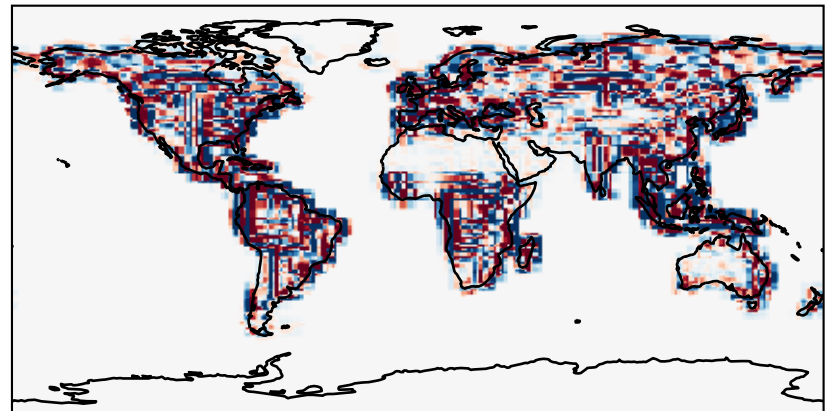
GCHP_14.0.0-rc.3 (Dev)
c24



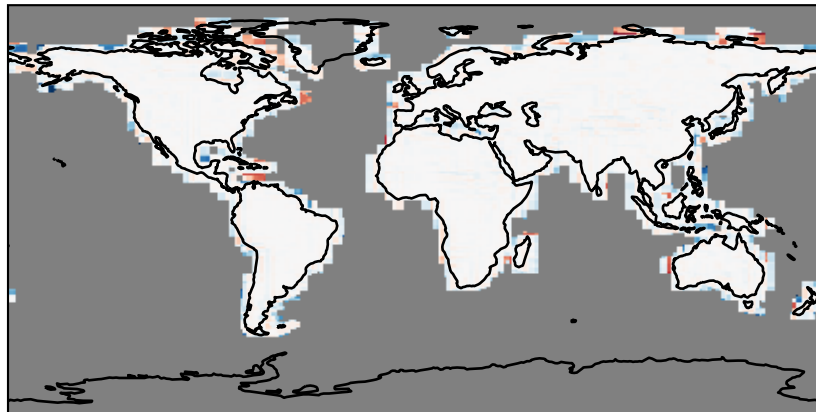
Difference (1x1.25)
Dev - Ref, Dynamic Range



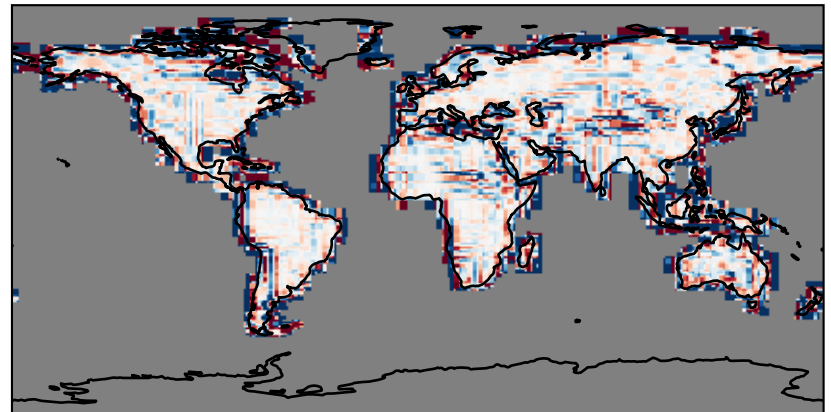
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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



EmisALD2_Ship (Jul2019)

GCC_14.0.0-rc.3 (Ref)
4.0x5.0



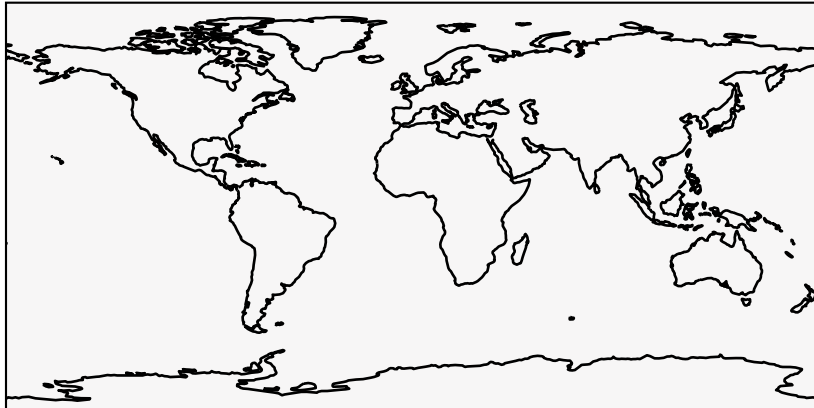
Zero throughout domain
kg/m2/s

GCHP_14.0.0-rc.3 (Dev)
c24



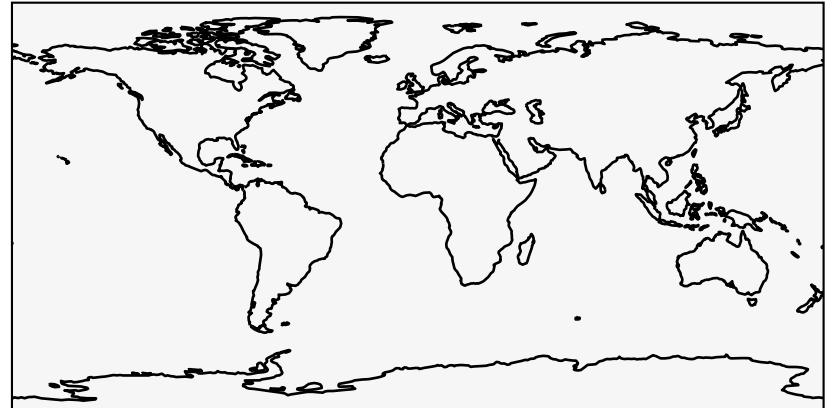
Zero throughout domain
kg/m2/s

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



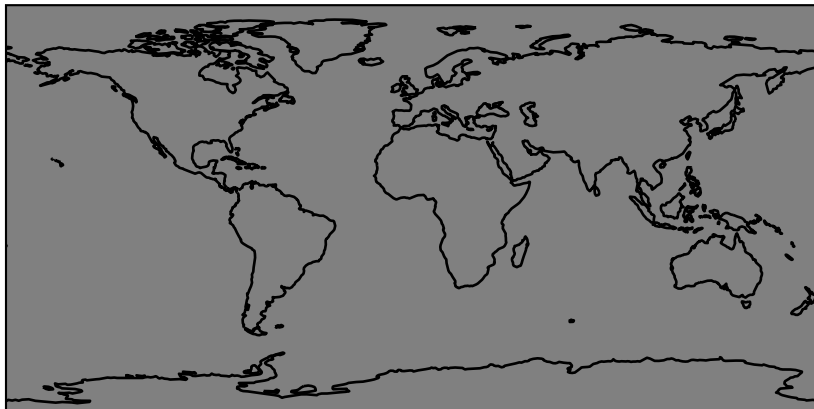
Zero throughout domain
kg/m2/s

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



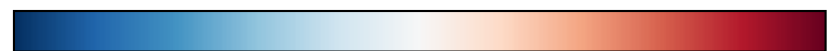
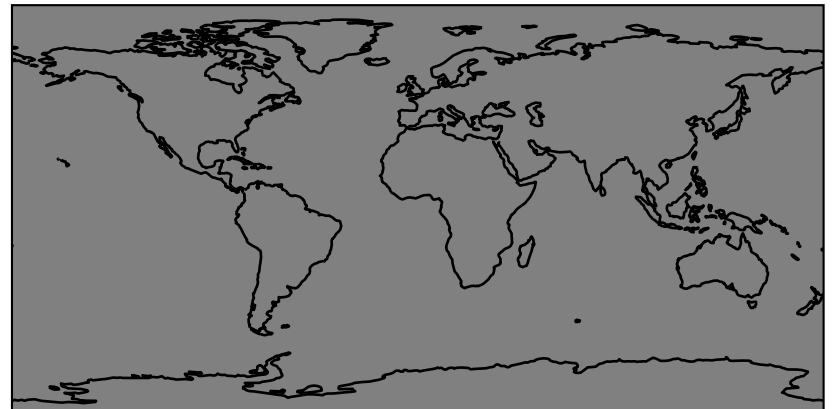
Zero throughout domain
kg/m2/s

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



Undefined throughout domain
unitless

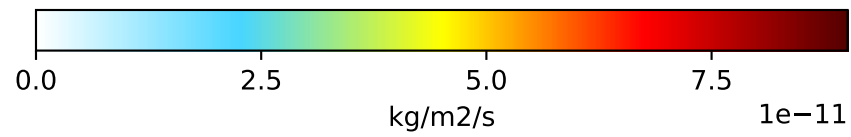
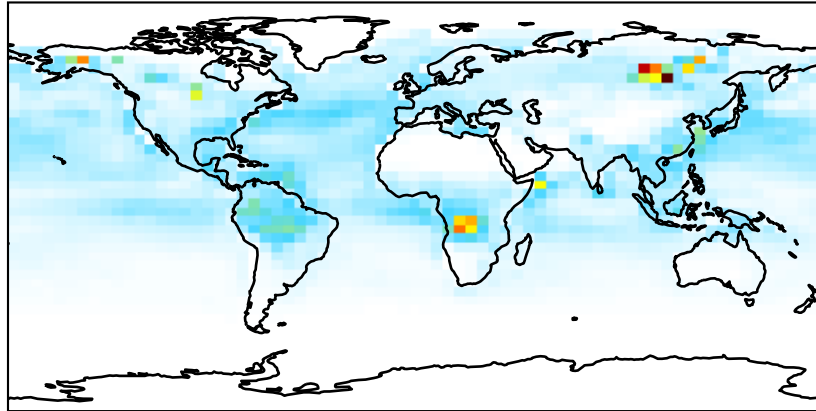
Ratio (1x1.25)
Dev/Ref, Fixed Range



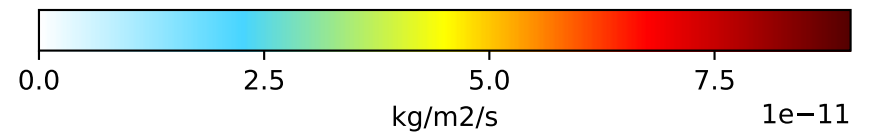
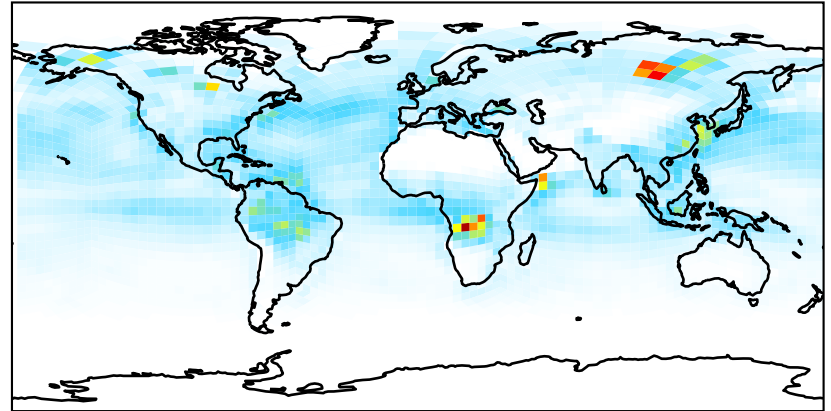
Undefined throughout domain
unitless

EmisALD2_Total (Jul2019)

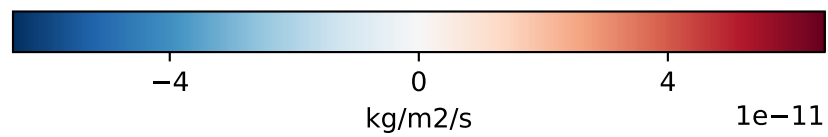
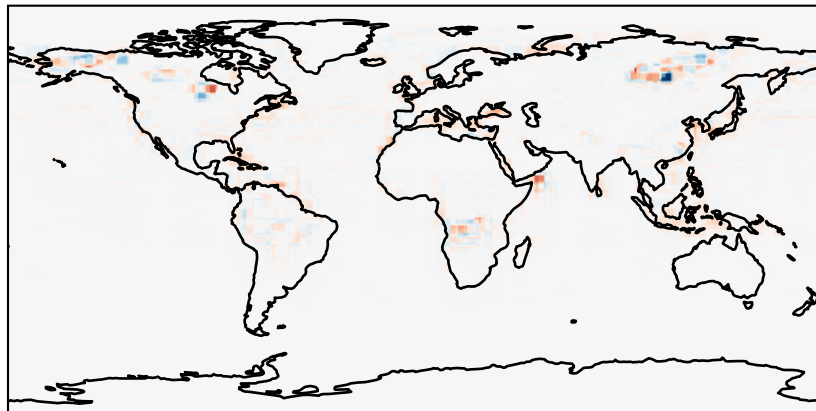
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



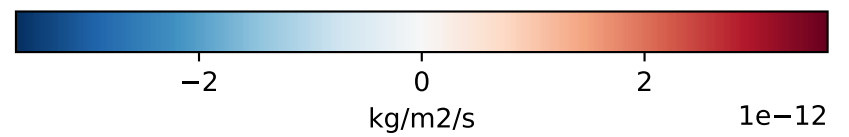
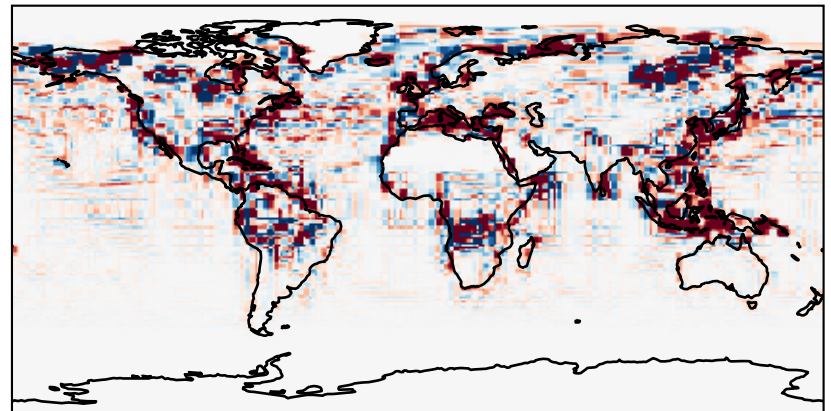
GCHP_14.0.0-rc.3 (Dev)
c24



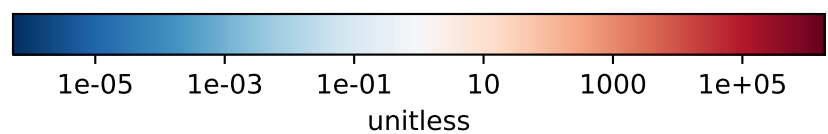
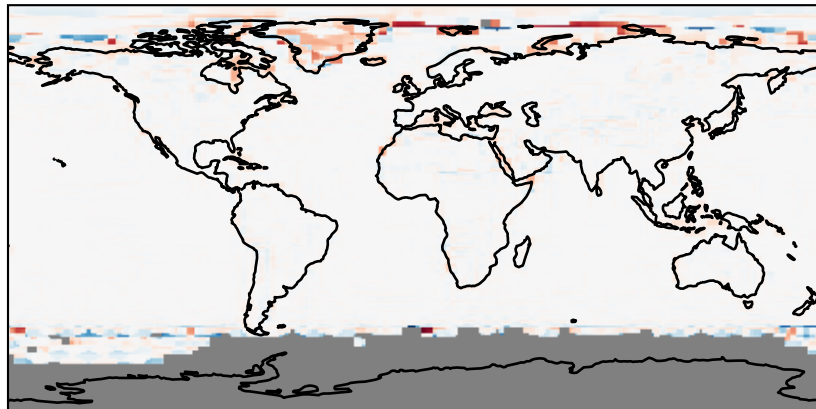
Difference (1x1.25)
Dev - Ref, Dynamic Range



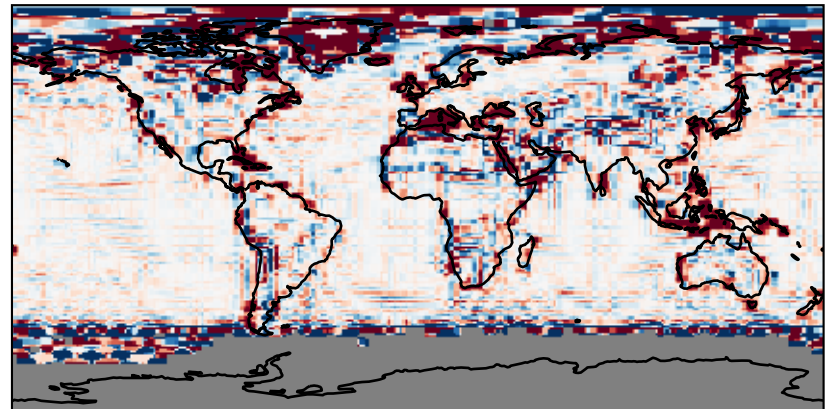
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

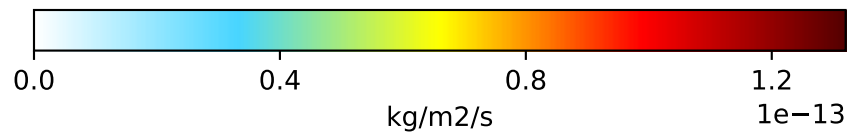
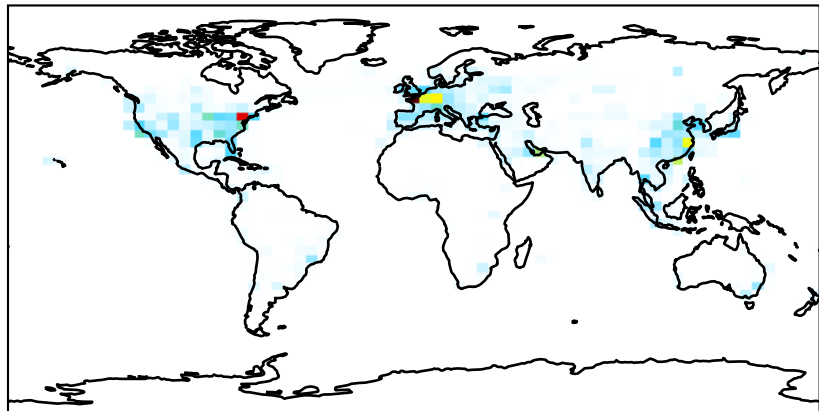


Ratio (1x1.25)
Dev/Ref, Fixed Range

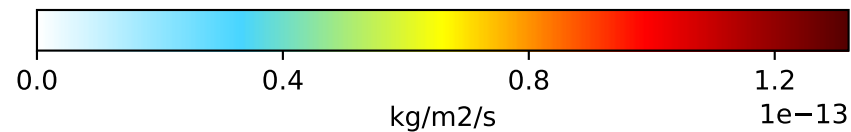
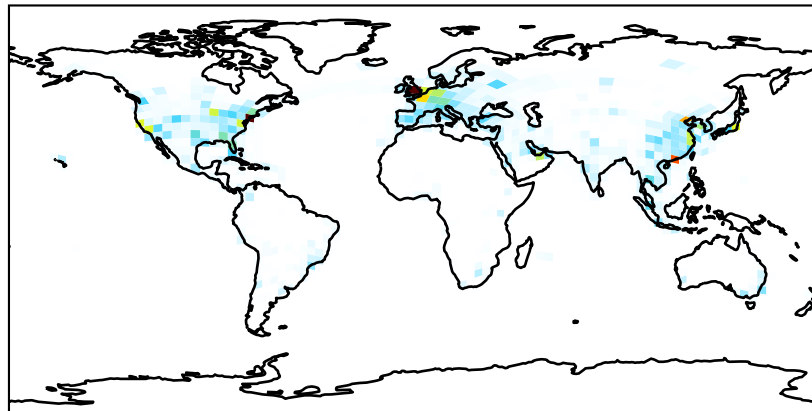


EmisCH2O_Aircraft (Jul2019)

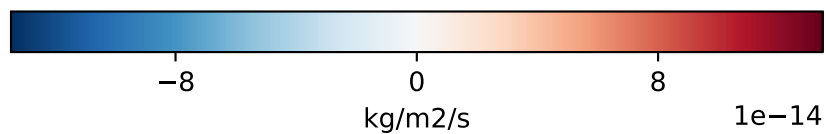
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



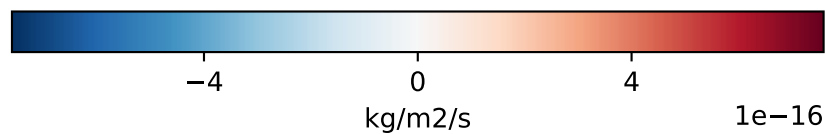
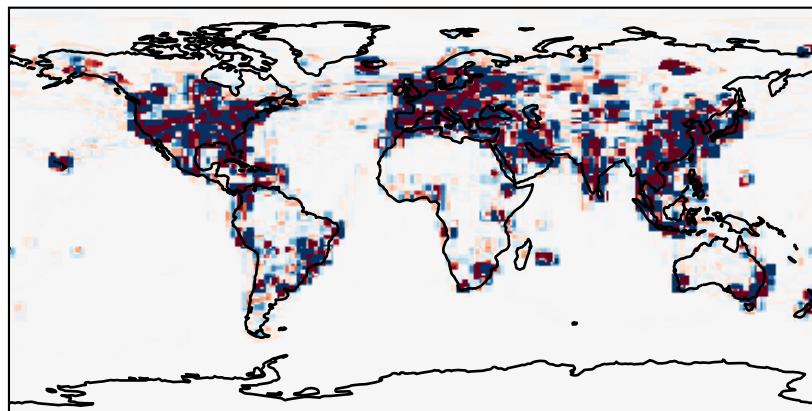
GCHP_14.0.0-rc.3 (Dev)
c24



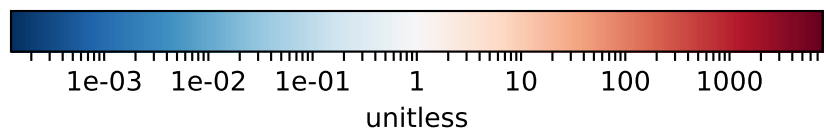
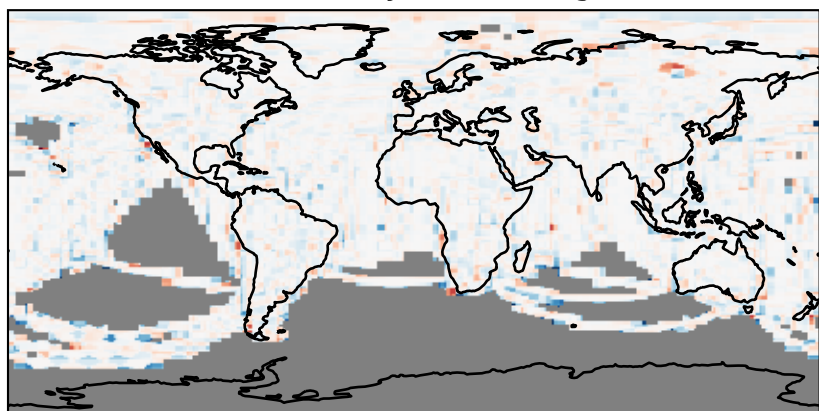
Difference (1x1.25)
Dev - Ref, Dynamic Range



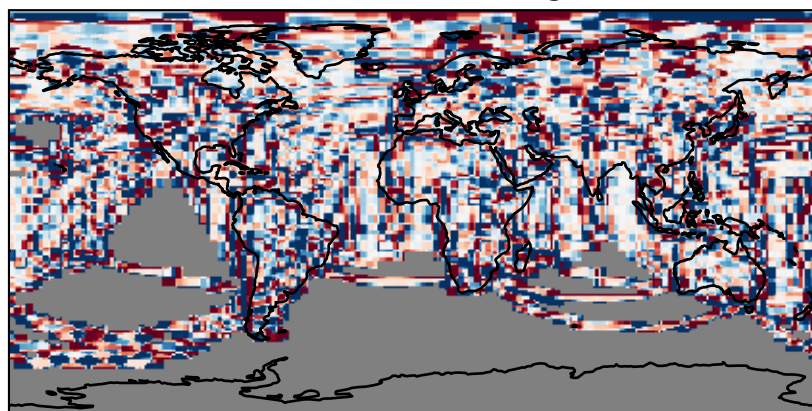
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

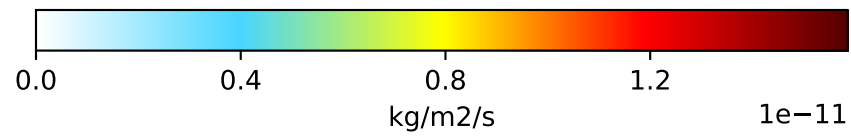
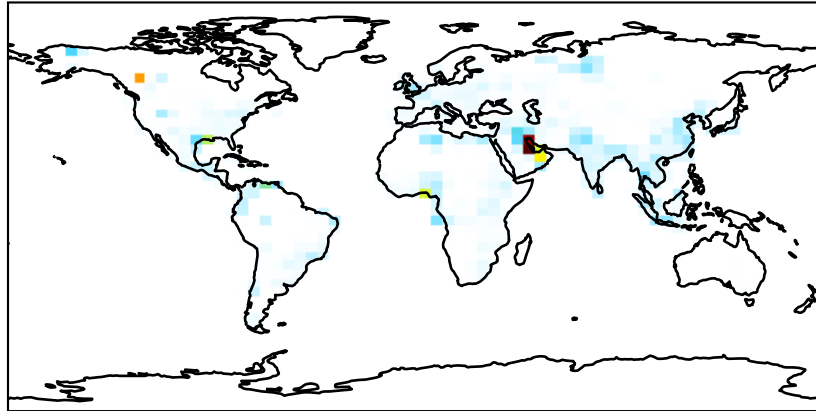


Ratio (1x1.25)
Dev/Ref, Fixed Range

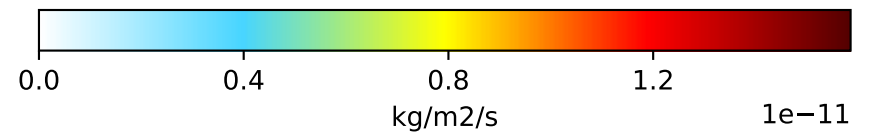
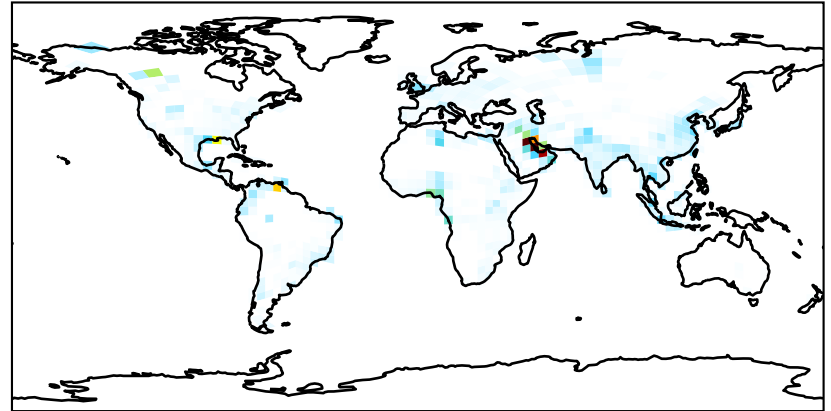


EmisCH2O_Anthro (Jul2019)

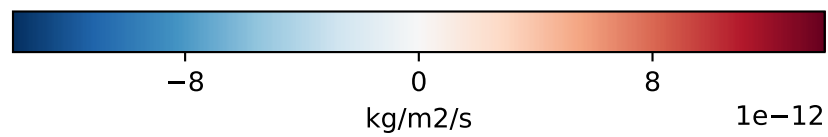
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



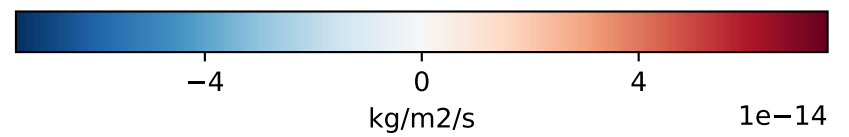
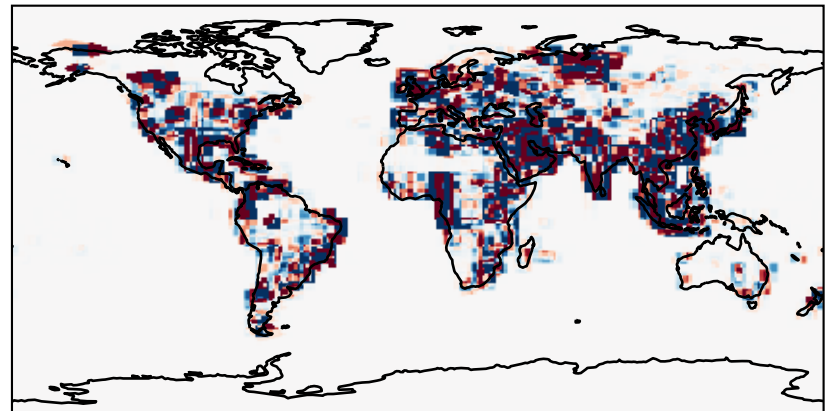
GCHP_14.0.0-rc.3 (Dev)
c24



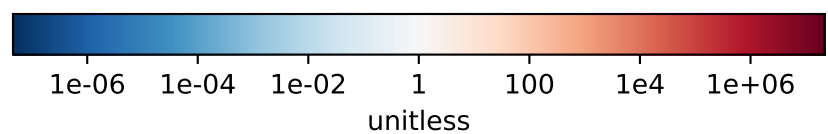
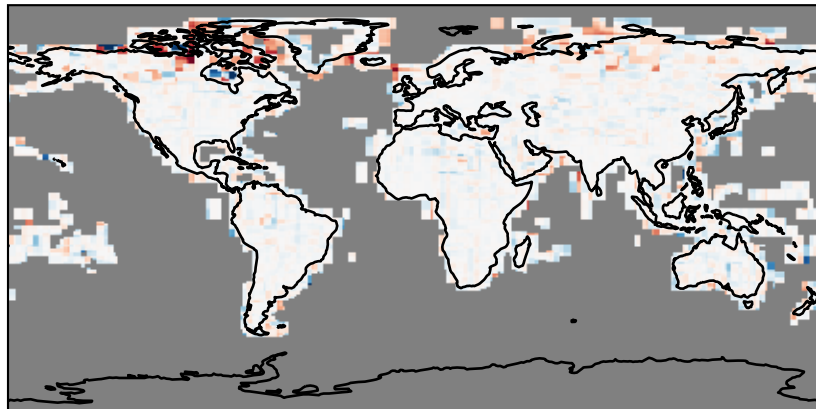
Difference (1x1.25)
Dev - Ref, Dynamic Range



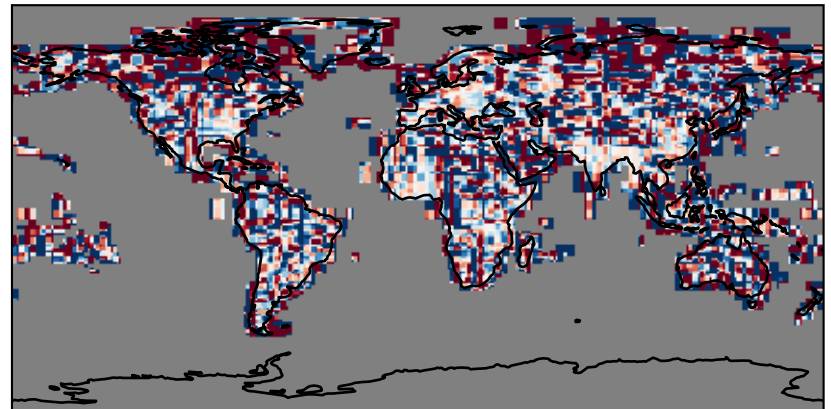
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

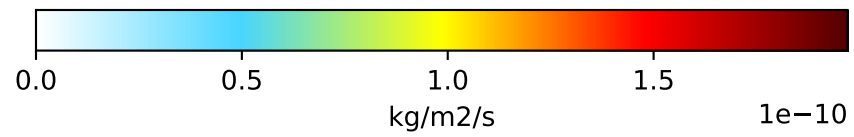
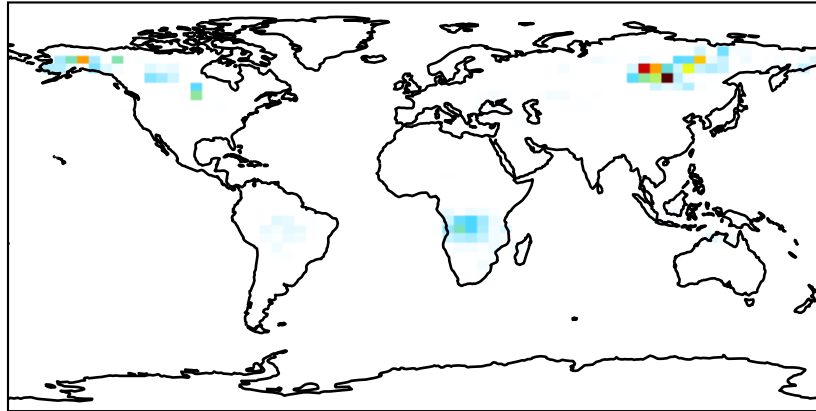


Ratio (1x1.25)
Dev/Ref, Fixed Range

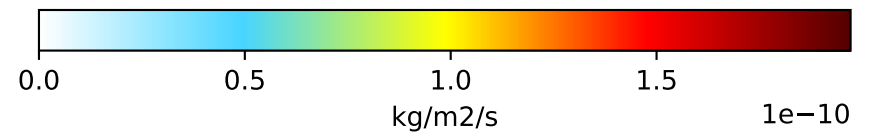
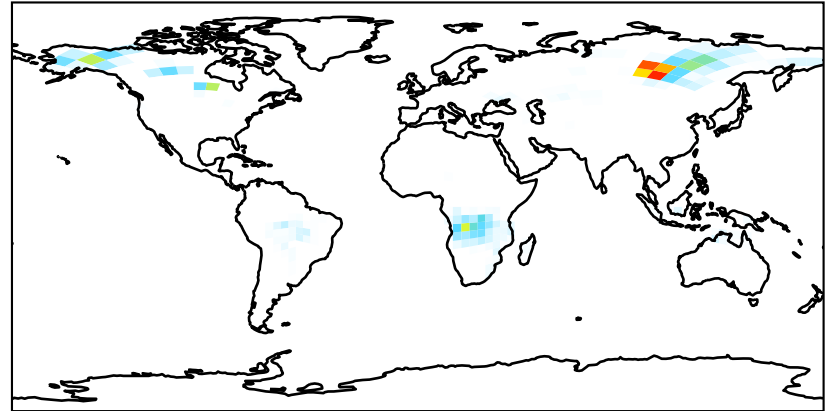


EmisCH2O_BioBurn (Jul2019)

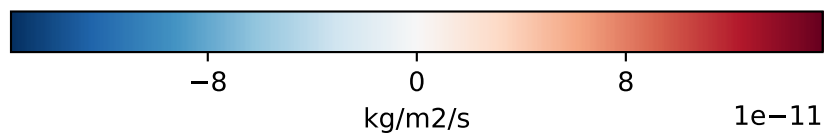
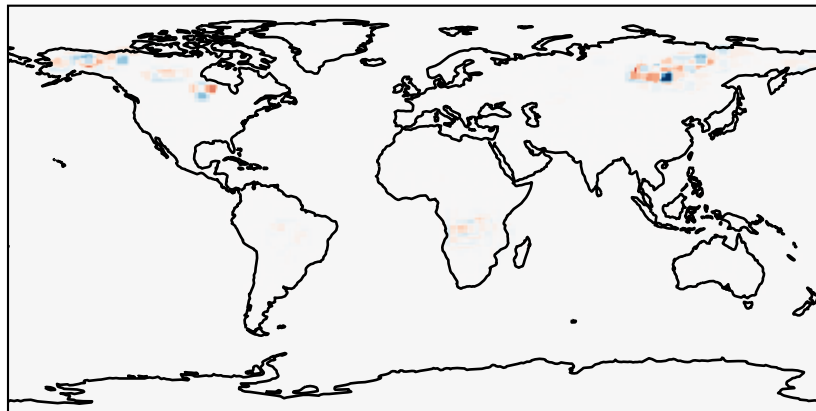
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



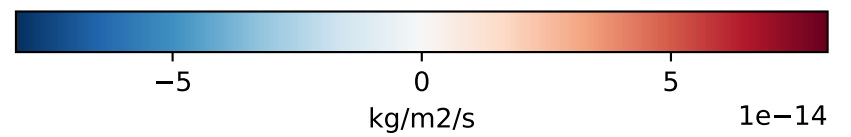
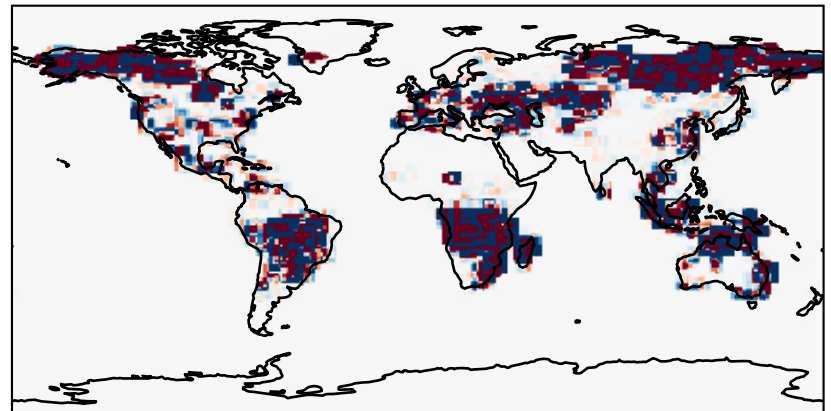
GCHP_14.0.0-rc.3 (Dev)
c24



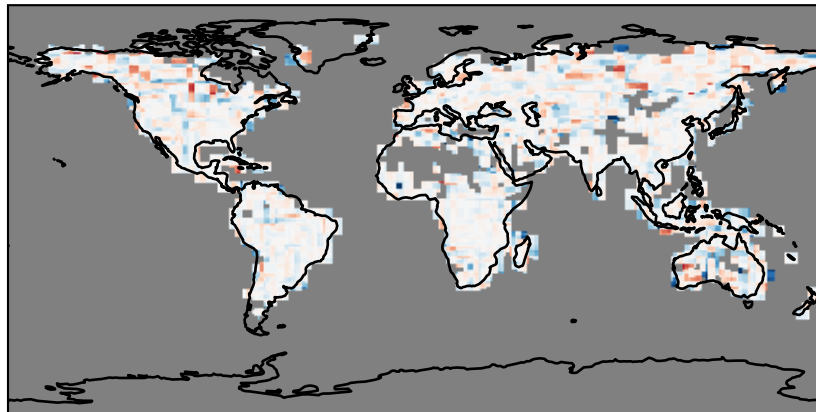
Difference (1x1.25)
Dev - Ref, Dynamic Range



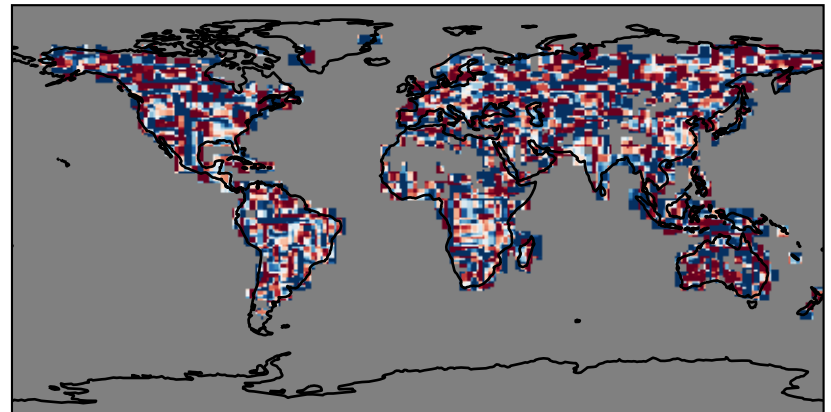
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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



EmisCH2O_Ship (Jul2019)

GCC_14.0.0-rc.3 (Ref)
4.0x5.0



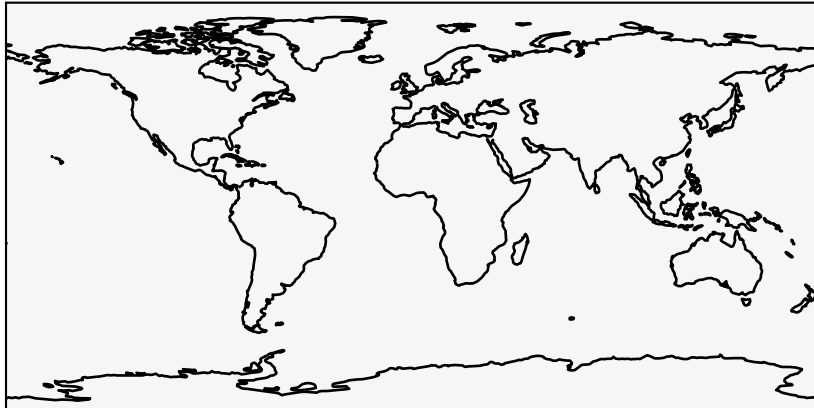
Zero throughout domain
kg/m2/s

GCHP_14.0.0-rc.3 (Dev)
c24



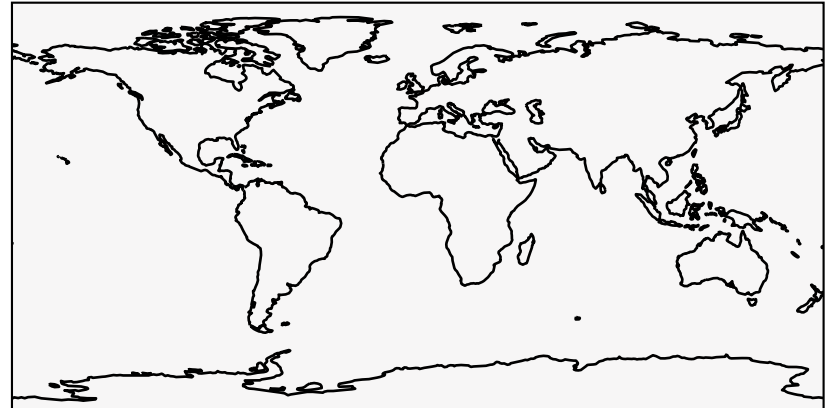
Zero throughout domain
kg/m2/s

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



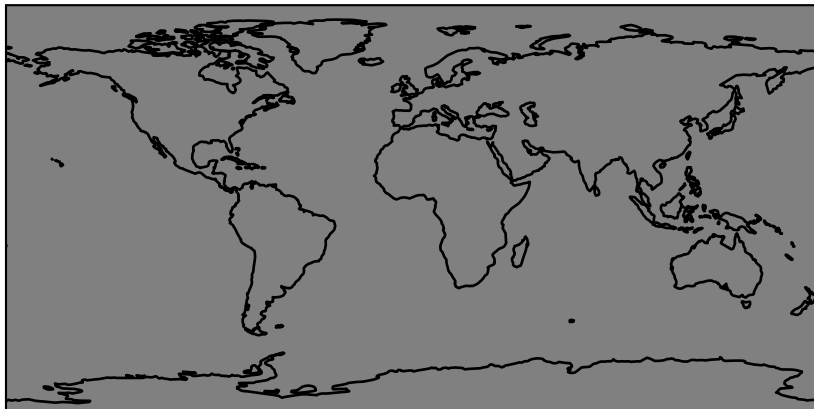
Zero throughout domain
kg/m2/s

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



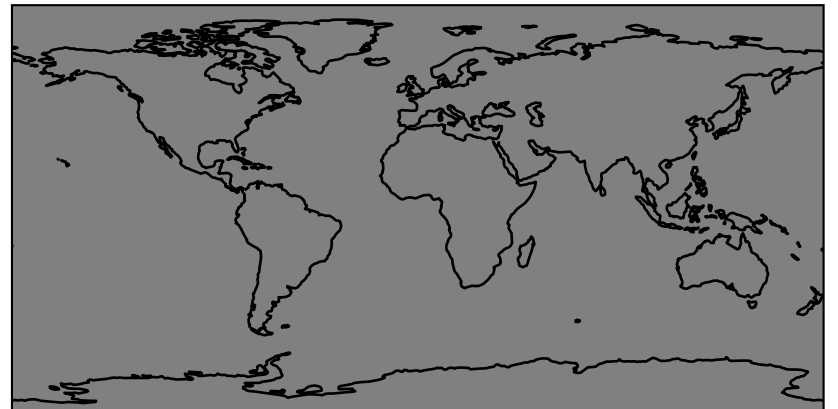
Zero throughout domain
kg/m2/s

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



Undefined throughout domain
unitless

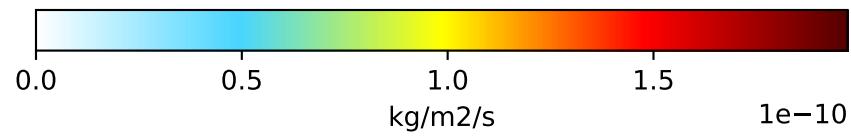
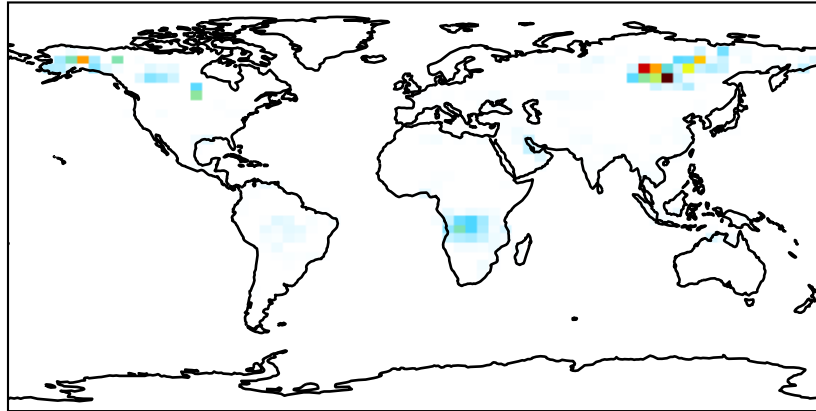
Ratio (1x1.25)
Dev/Ref, Fixed Range



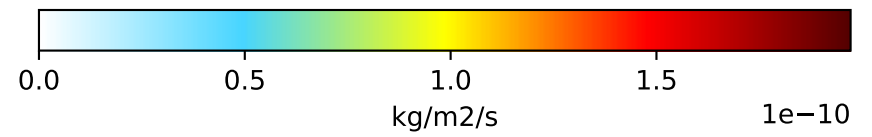
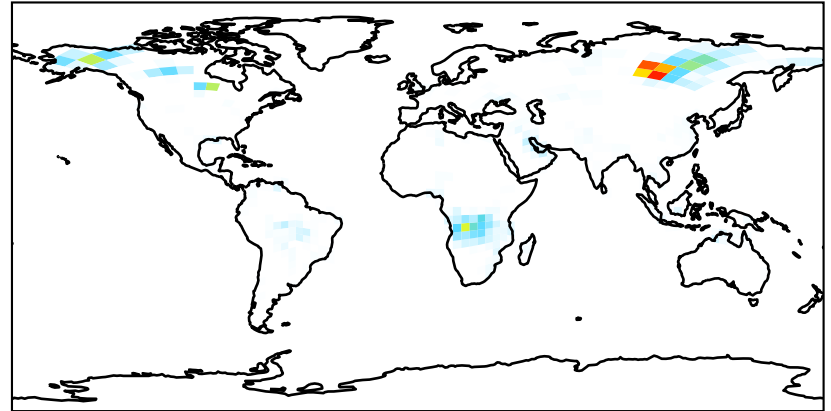
Undefined throughout domain
unitless

EmisCH2O_Total (Jul2019)

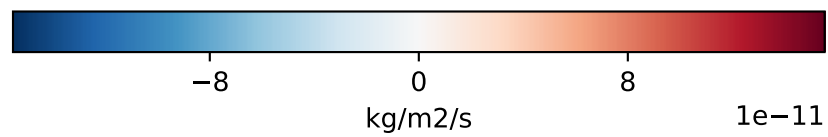
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



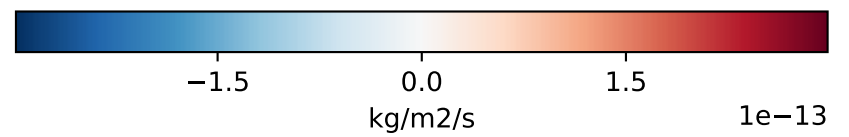
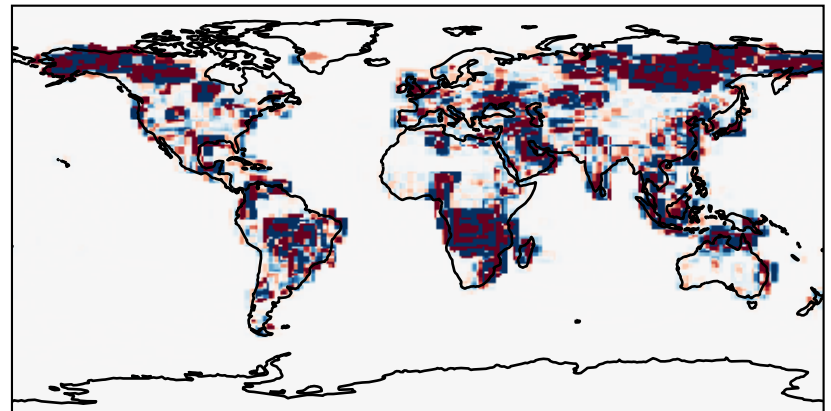
GCHP_14.0.0-rc.3 (Dev)
c24



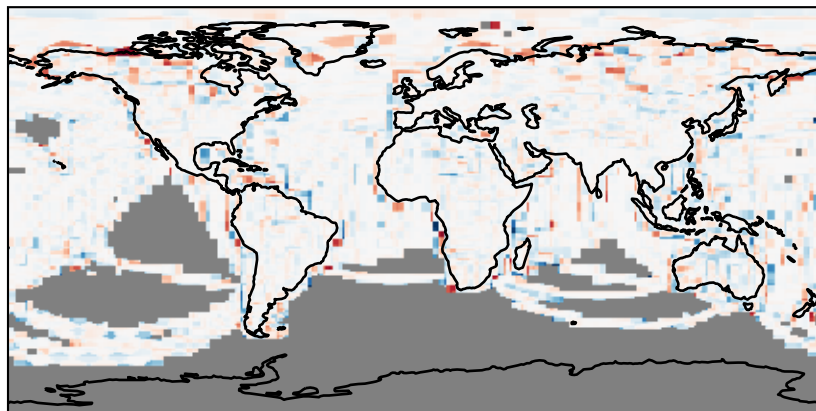
Difference (1x1.25)
Dev - Ref, Dynamic Range



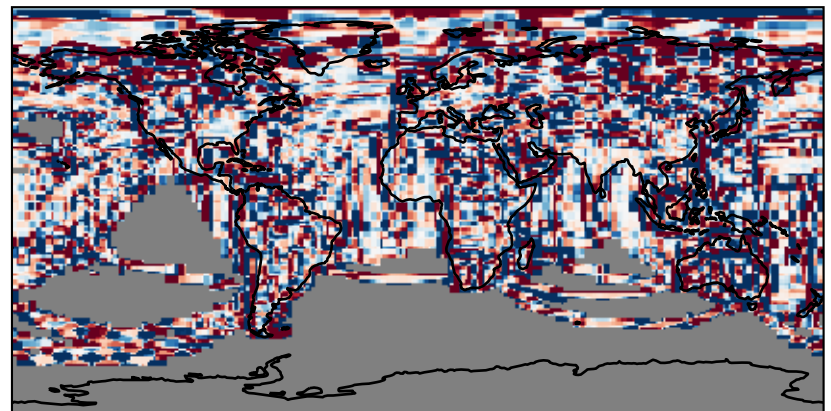
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

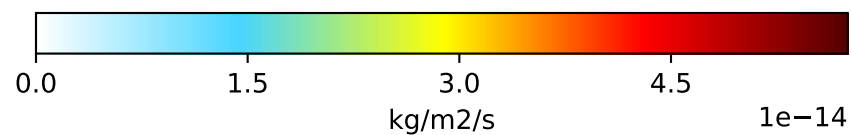
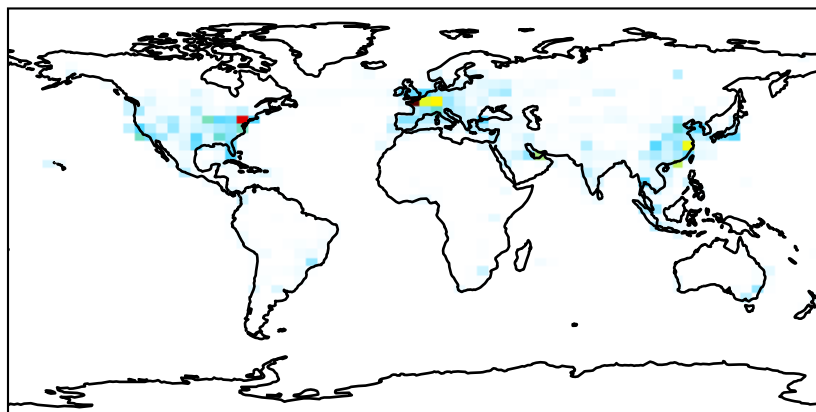


Ratio (1x1.25)
Dev/Ref, Fixed Range

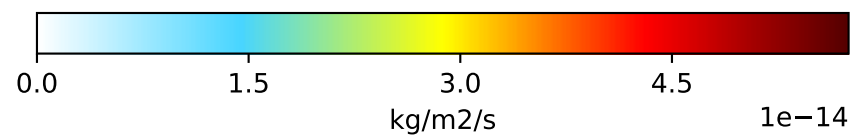
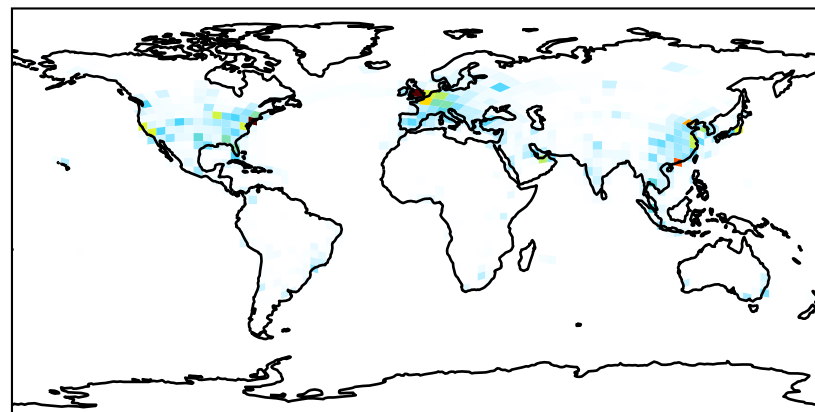


EmisMACR_Aircraft (Jul2019)

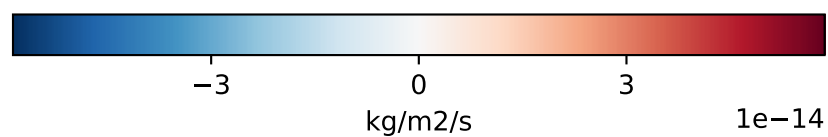
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



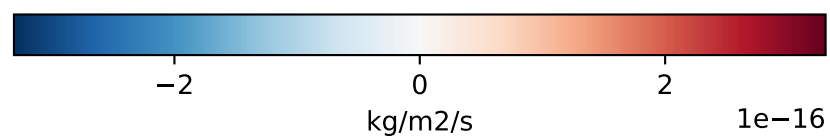
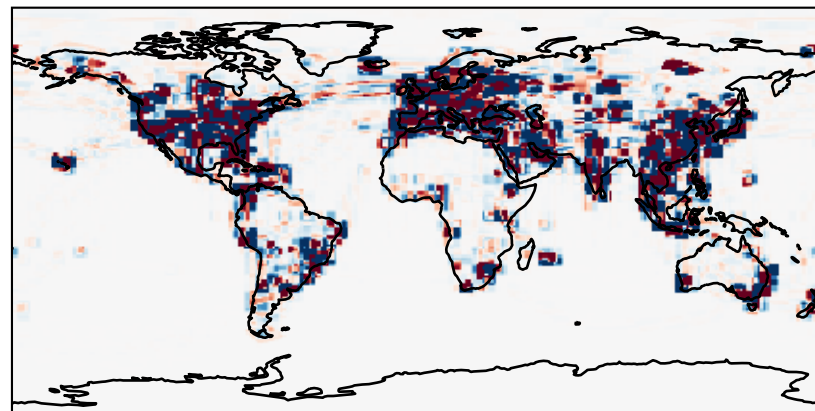
GCHP_14.0.0-rc.3 (Dev)
c24



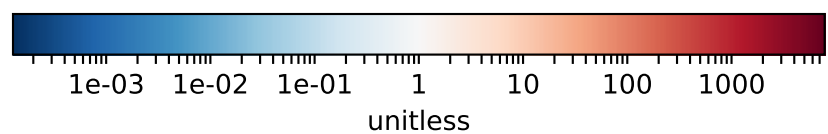
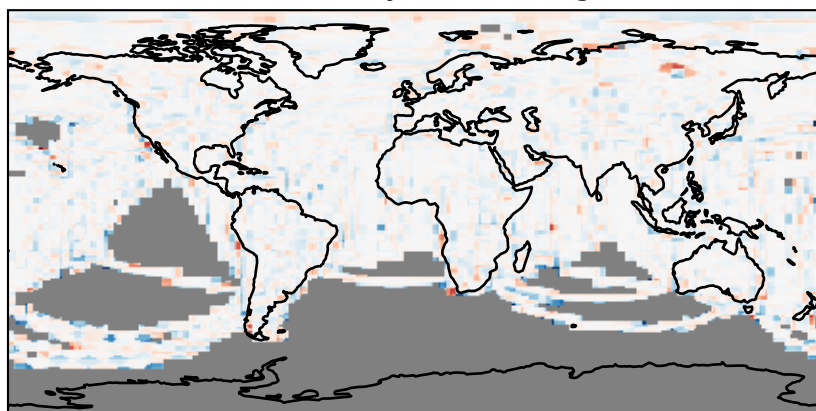
Difference (1x1.25)
Dev - Ref, Dynamic Range



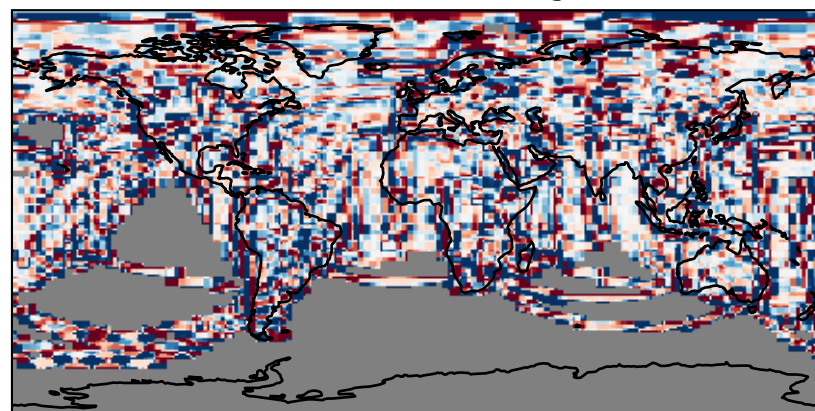
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

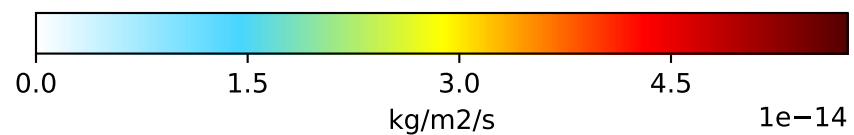
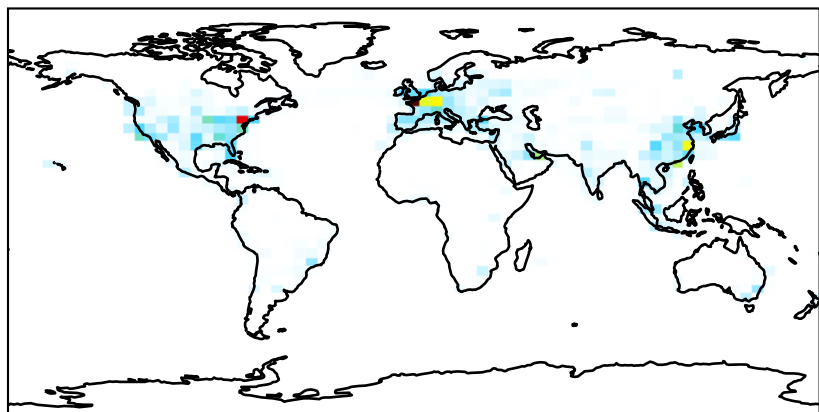


Ratio (1x1.25)
Dev/Ref, Fixed Range

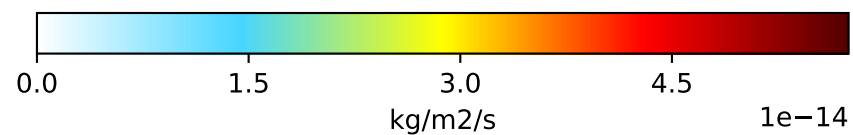
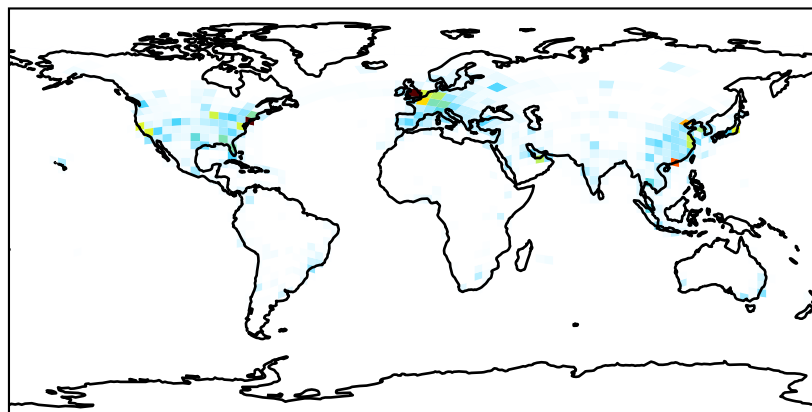


EmisMACR_Total (Jul2019)

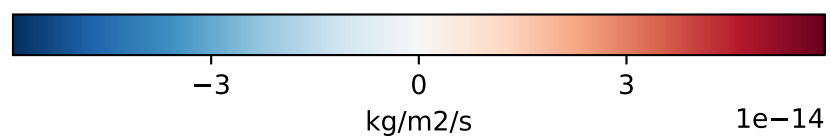
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



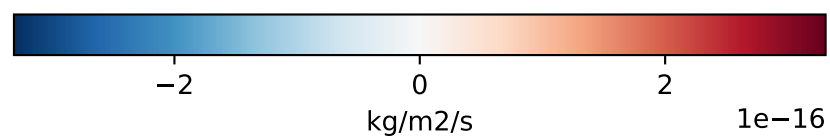
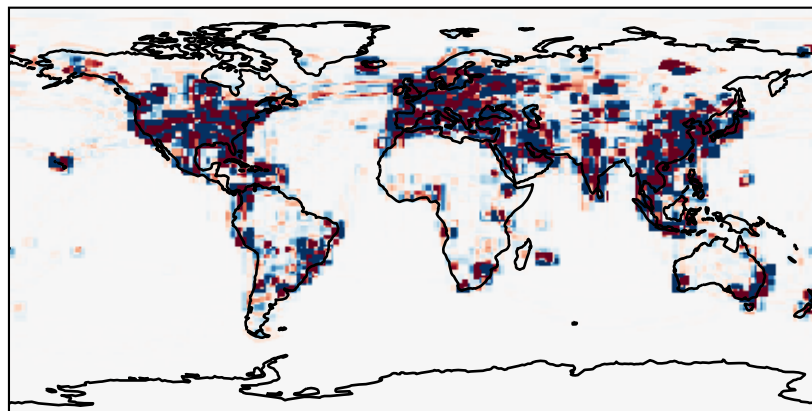
GCHP_14.0.0-rc.3 (Dev)
c24



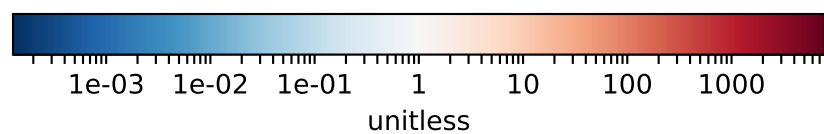
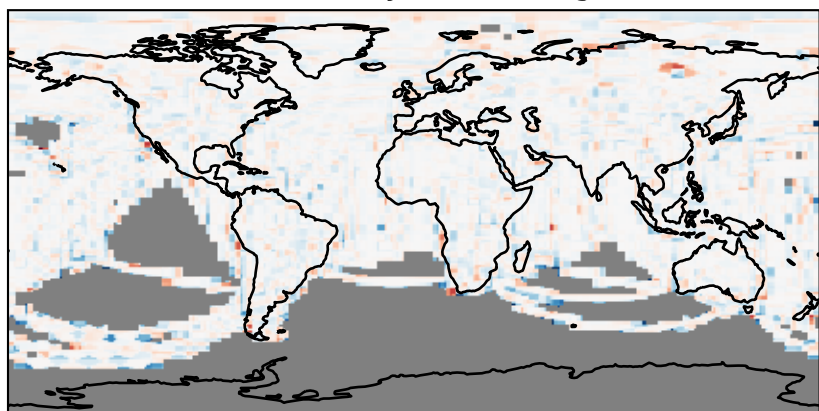
Difference (1x1.25)
Dev - Ref, Dynamic Range



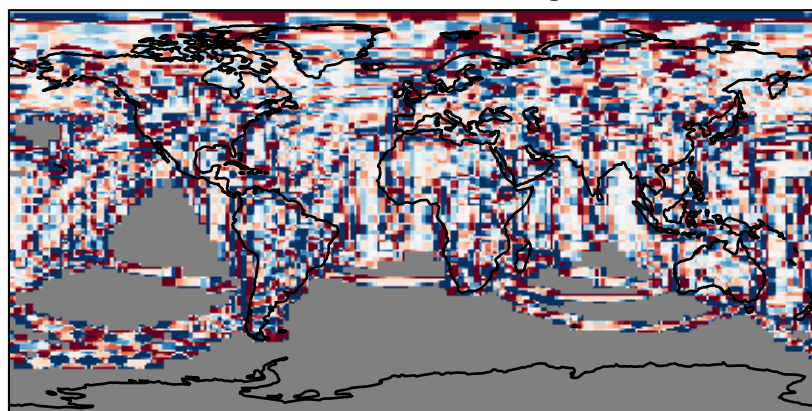
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

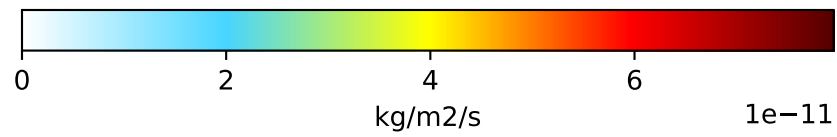
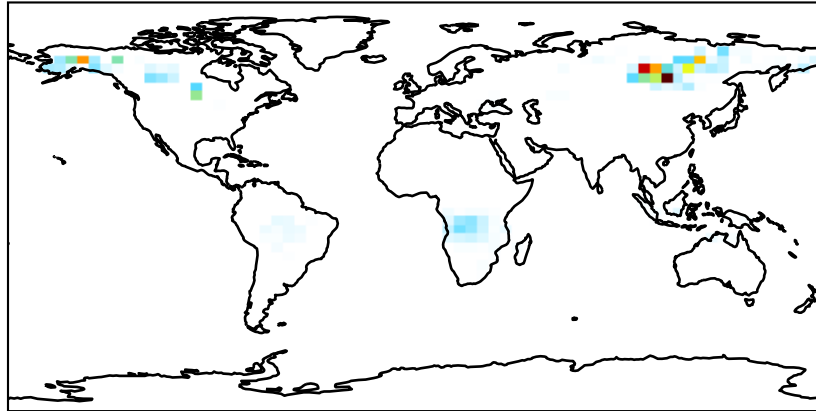


Ratio (1x1.25)
Dev/Ref, Fixed Range

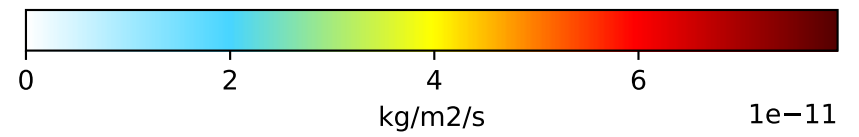
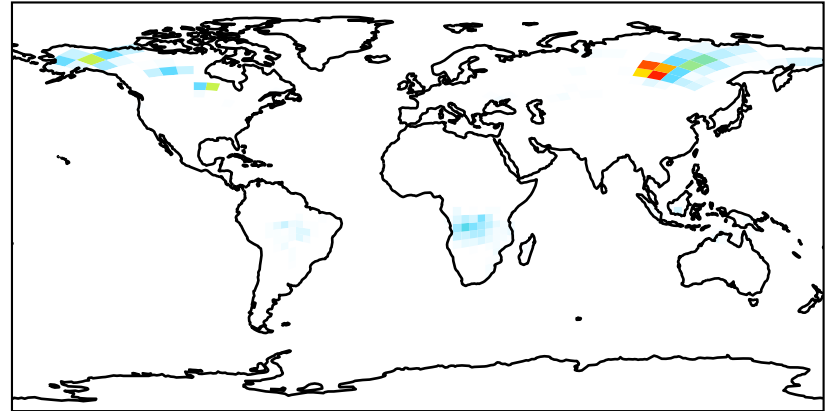


EmisACET_BioBurn (Jul2019)

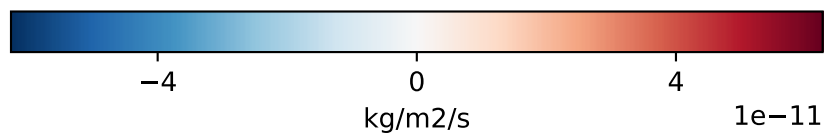
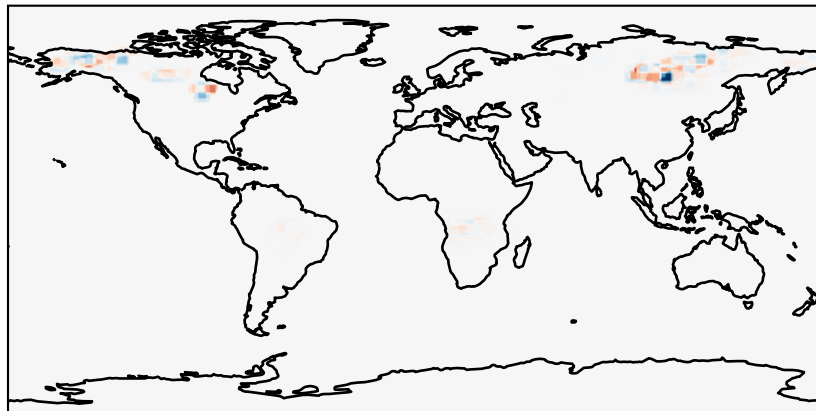
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



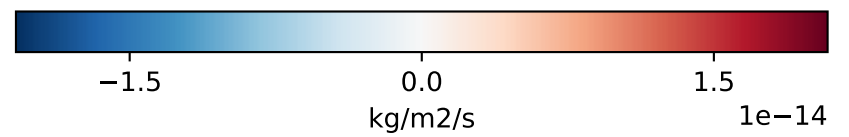
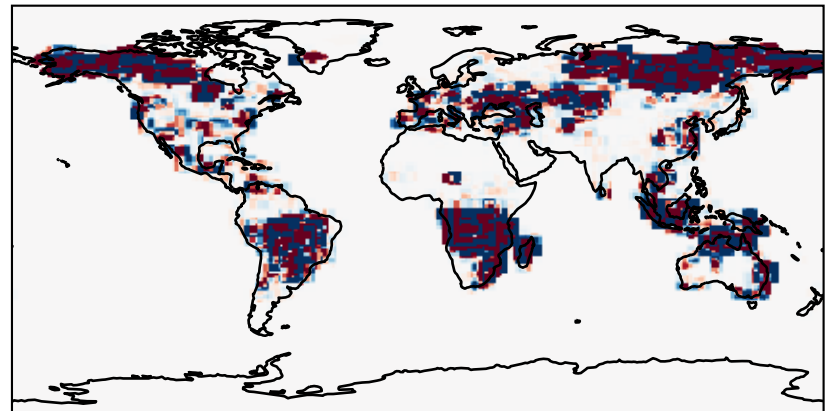
GCHP_14.0.0-rc.3 (Dev)
c24



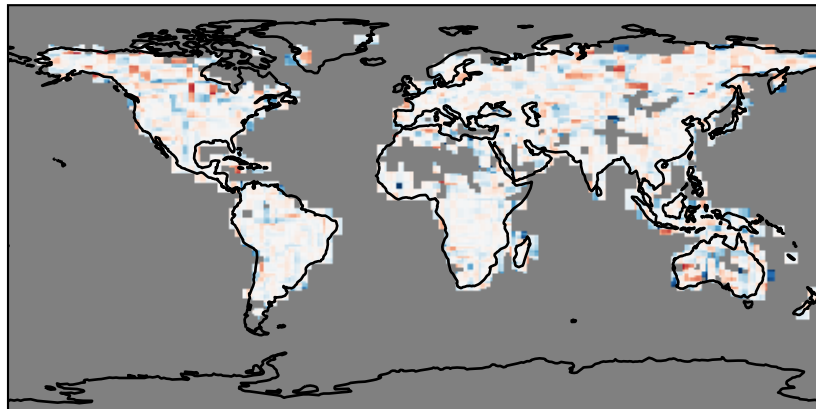
Difference (1x1.25)
Dev - Ref, Dynamic Range



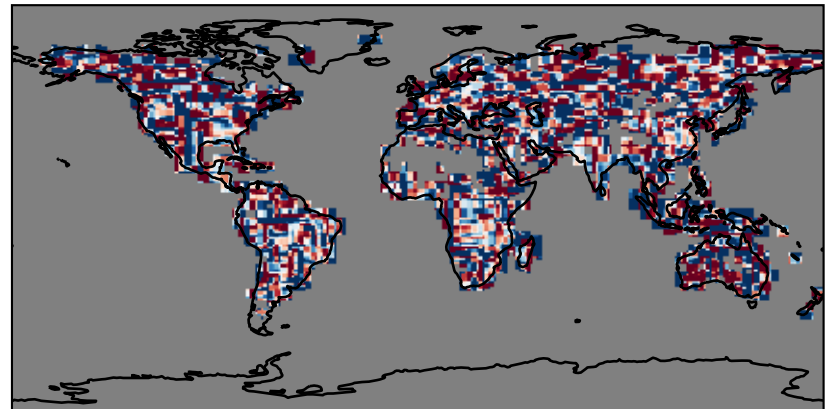
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

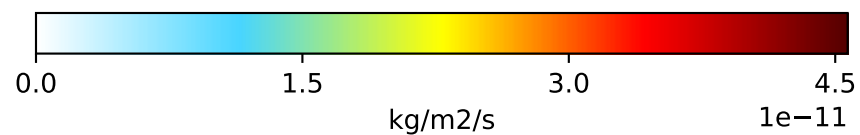
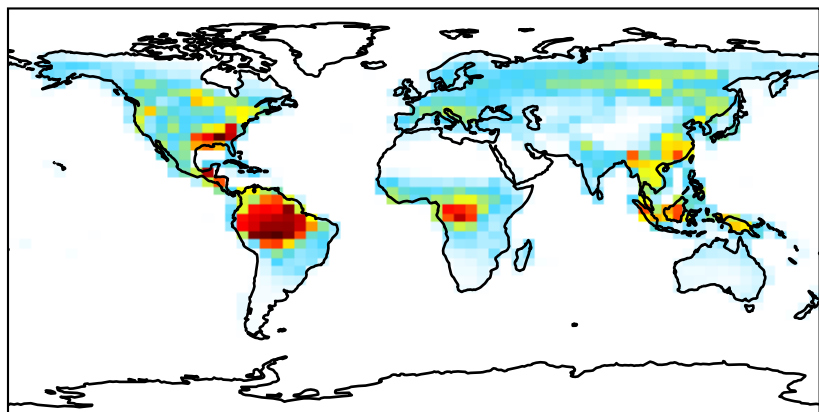


Ratio (1x1.25)
Dev/Ref, Fixed Range

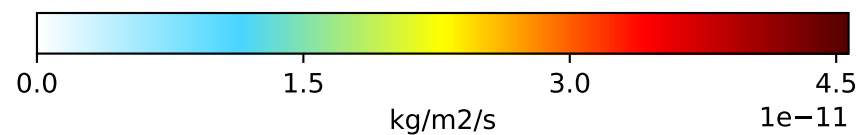
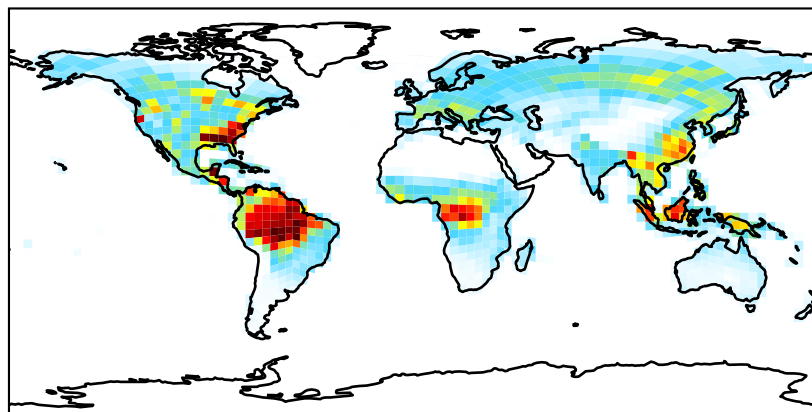


EmisACET_Biogenic (Jul2019)

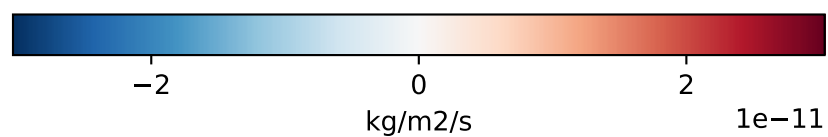
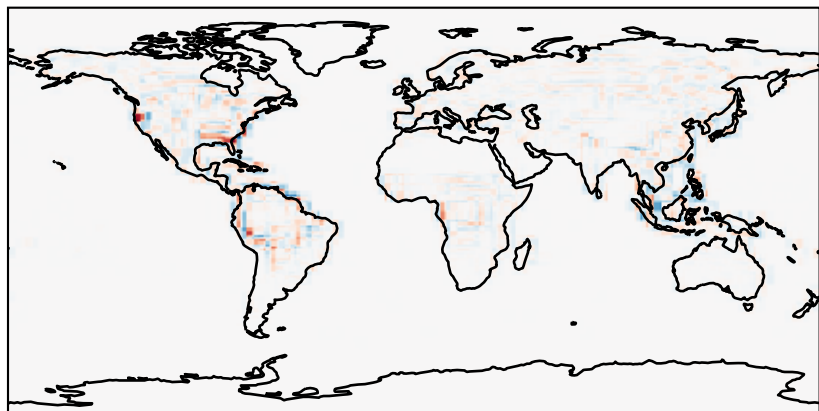
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



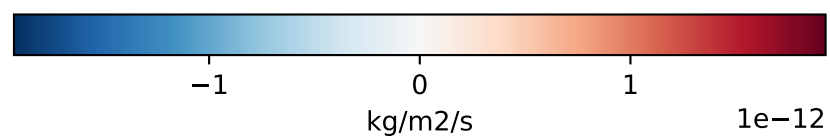
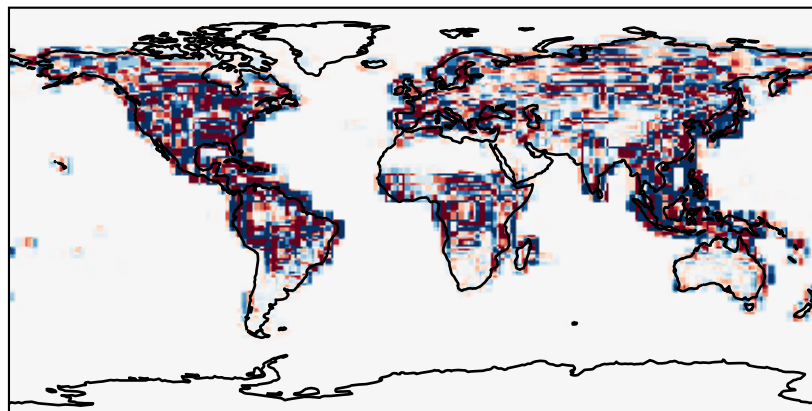
GCHP_14.0.0-rc.3 (Dev)
c24



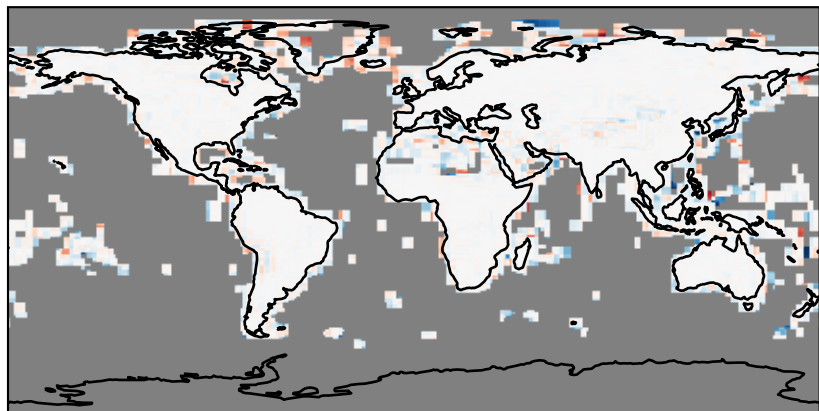
Difference (1x1.25)
Dev - Ref, Dynamic Range



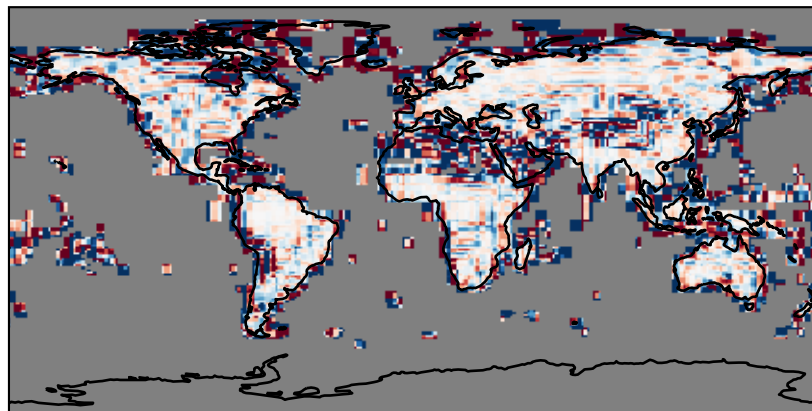
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

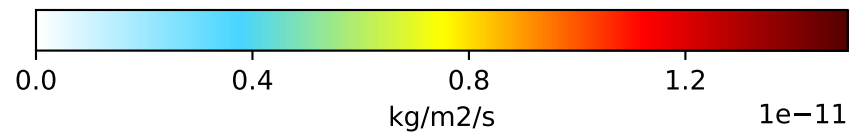
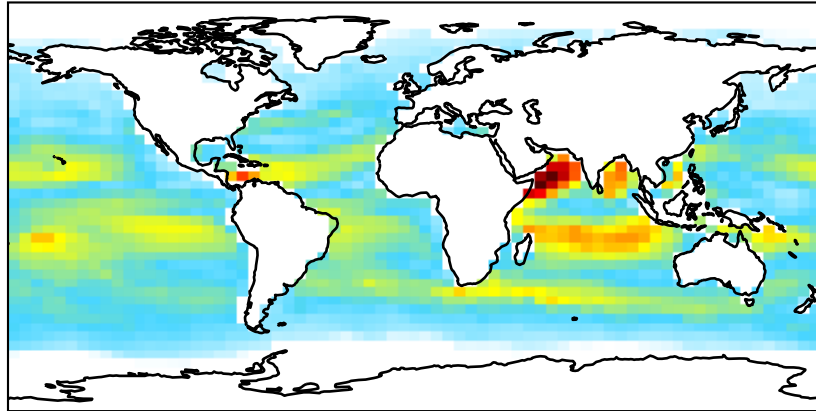


Ratio (1x1.25)
Dev/Ref, Fixed Range

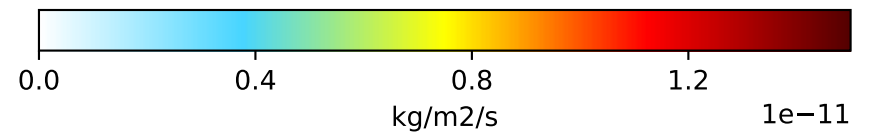
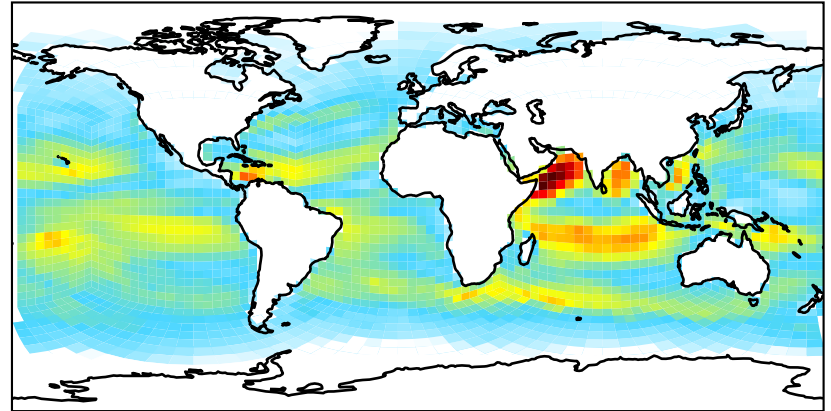


EmisACET_Ocean (Jul2019)

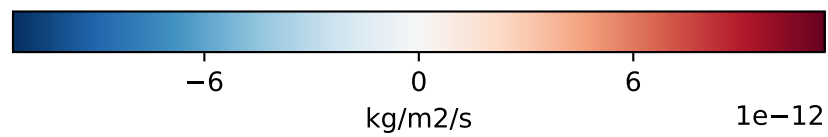
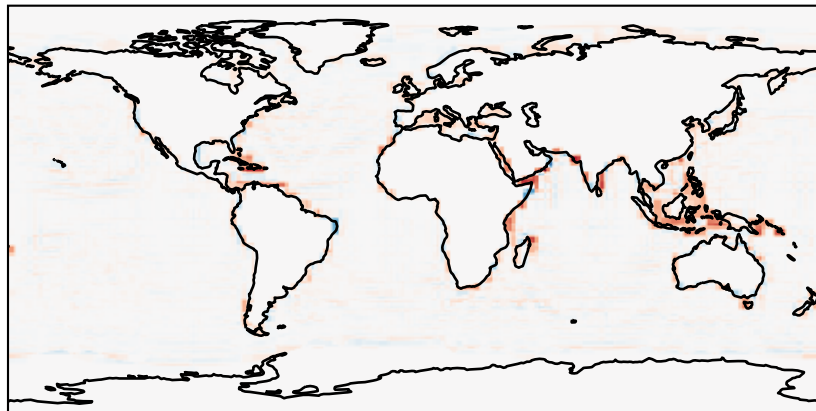
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



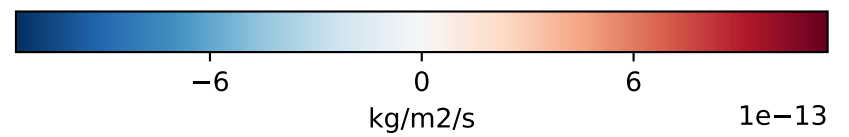
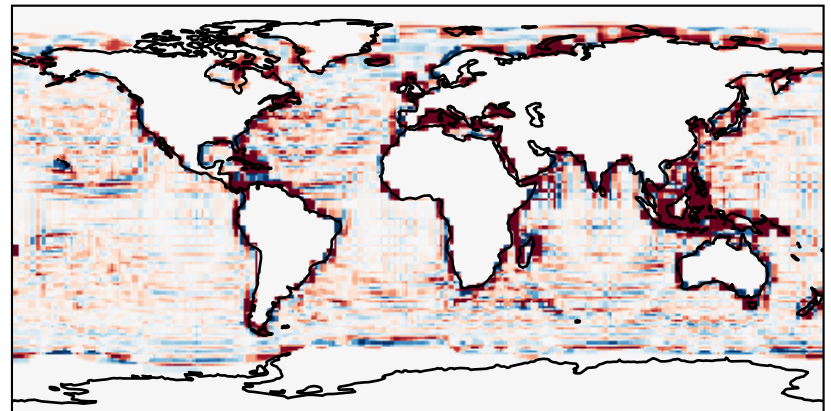
GCHP_14.0.0-rc.3 (Dev)
c24



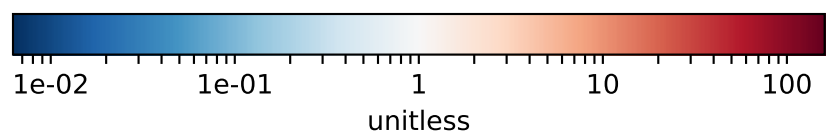
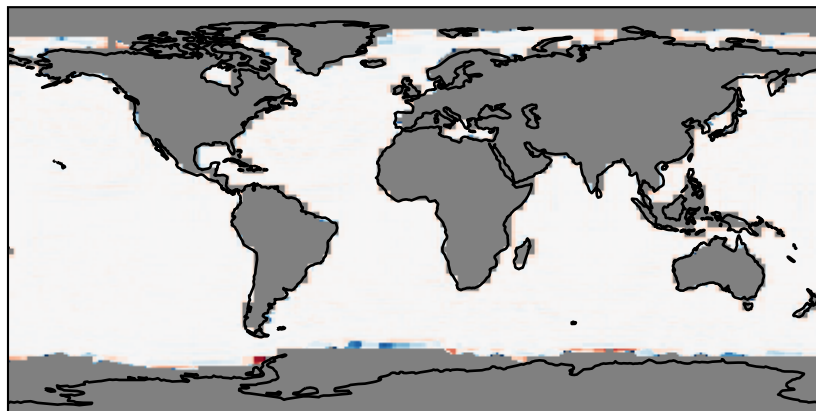
Difference (1x1.25)
Dev - Ref, Dynamic Range



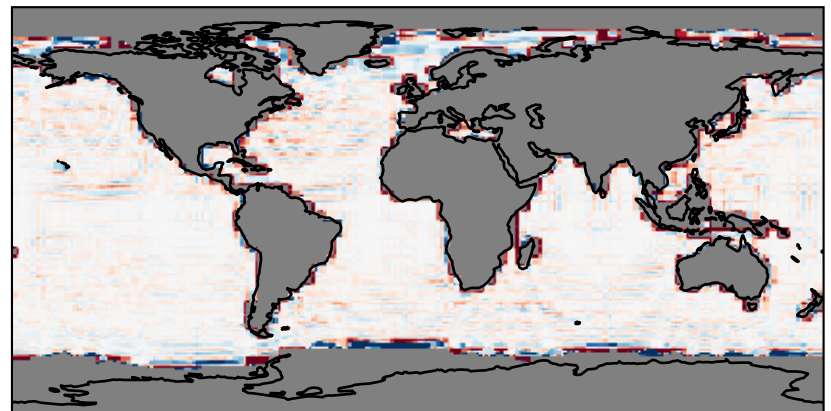
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

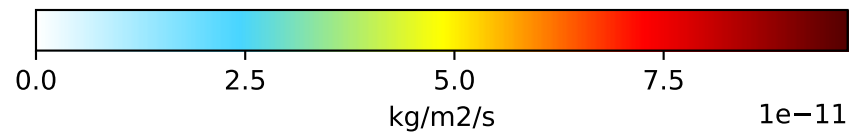
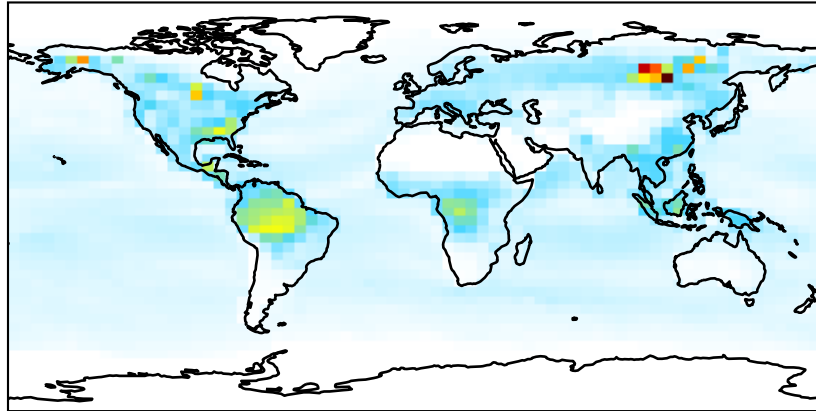


Ratio (1x1.25)
Dev/Ref, Fixed Range

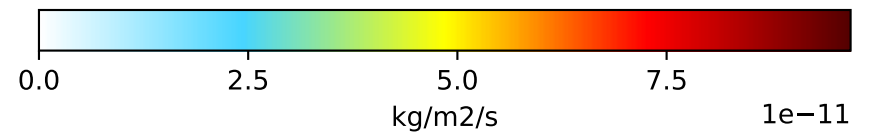
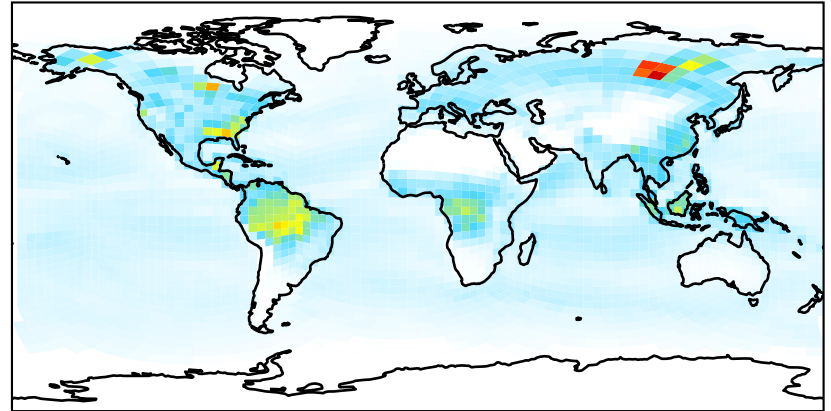


EmisACET_Total (Jul2019)

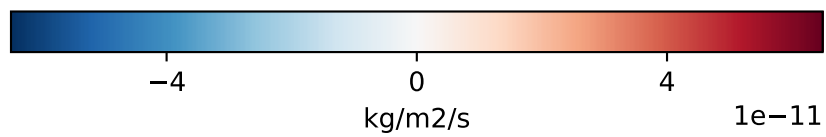
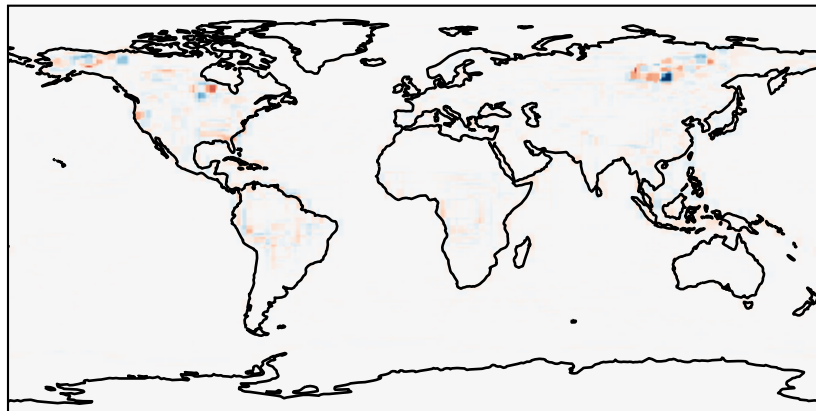
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



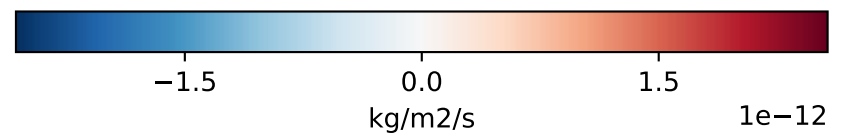
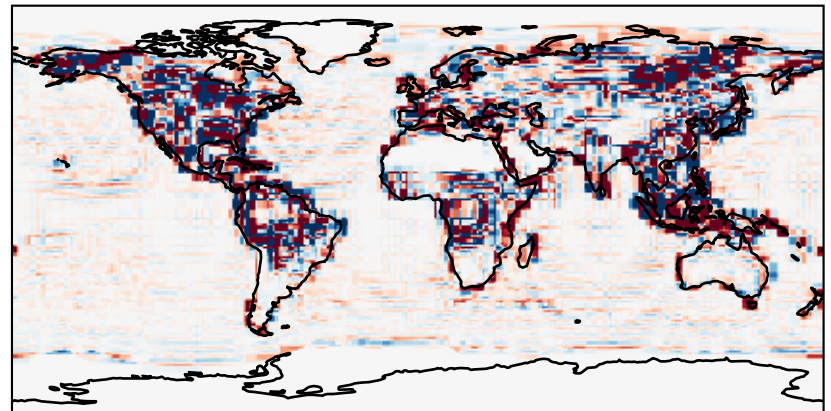
GCHP_14.0.0-rc.3 (Dev)
c24



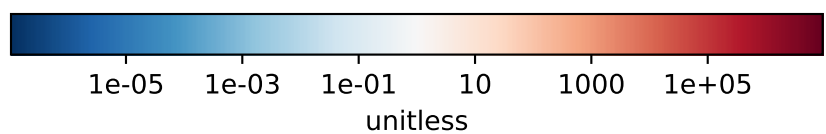
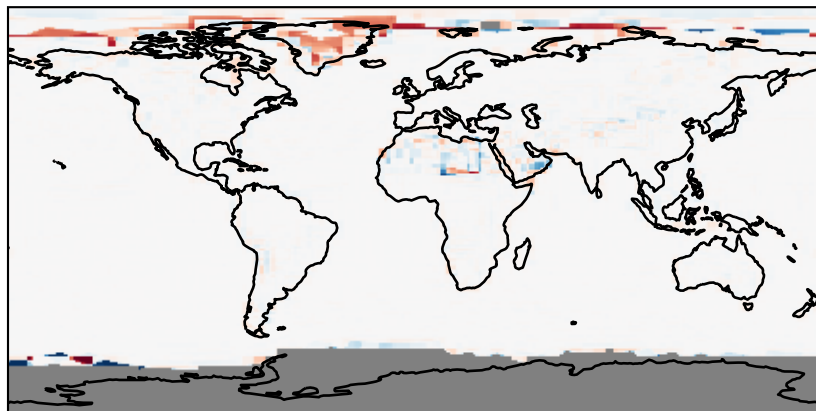
Difference (1x1.25)
Dev - Ref, Dynamic Range



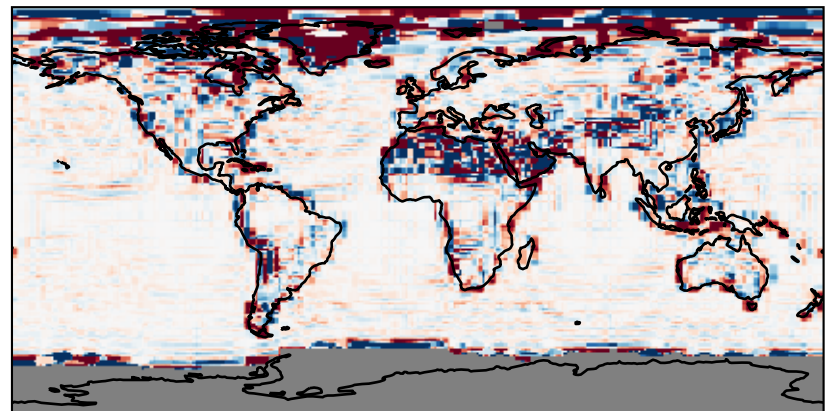
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

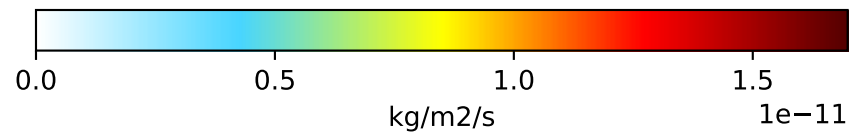
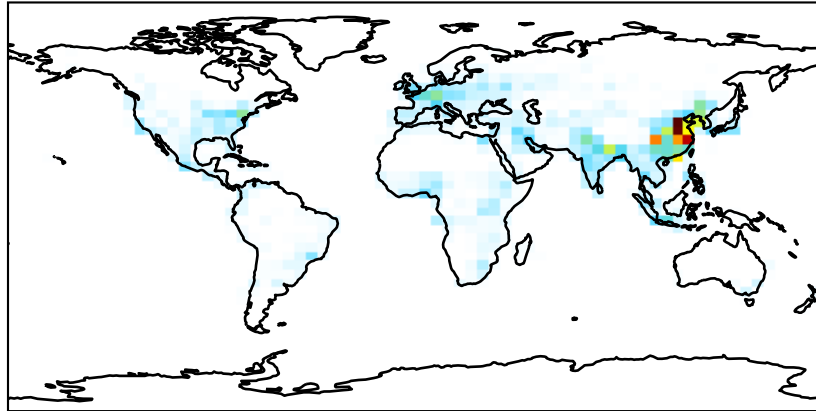


Ratio (1x1.25)
Dev/Ref, Fixed Range

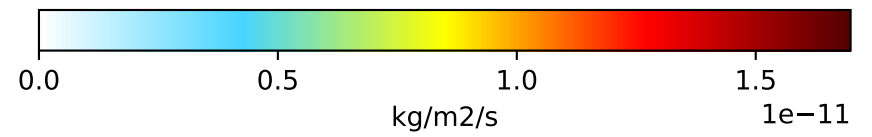
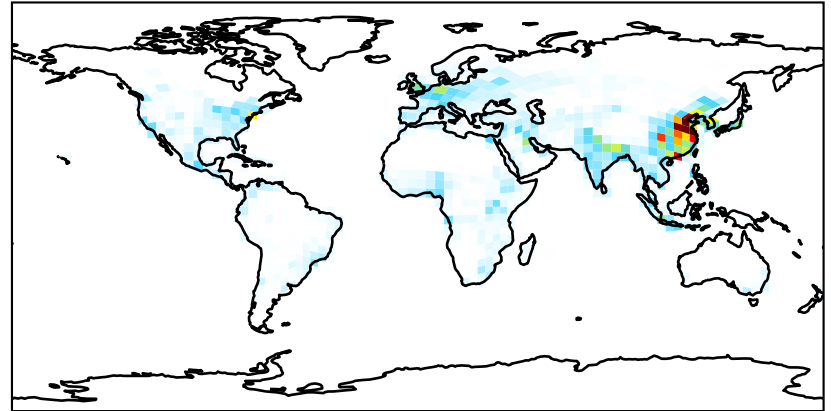


EmisMEK_Anthro (Jul2019)

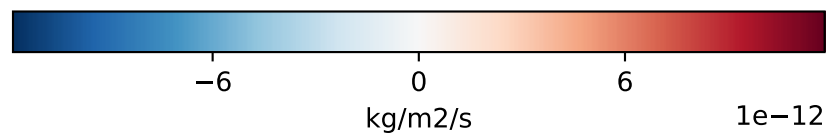
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



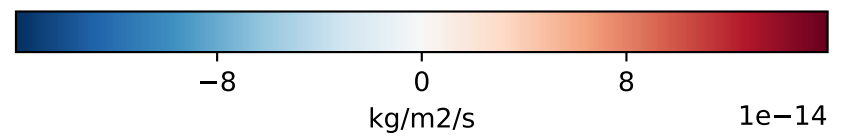
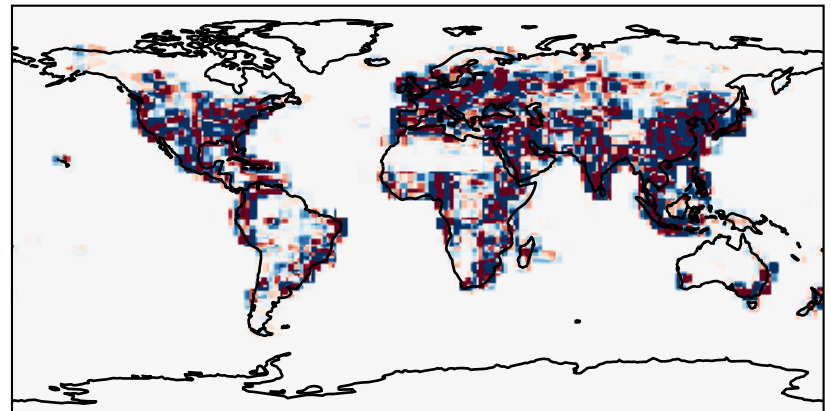
GCHP_14.0.0-rc.3 (Dev)
c24



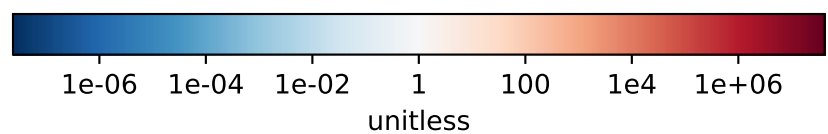
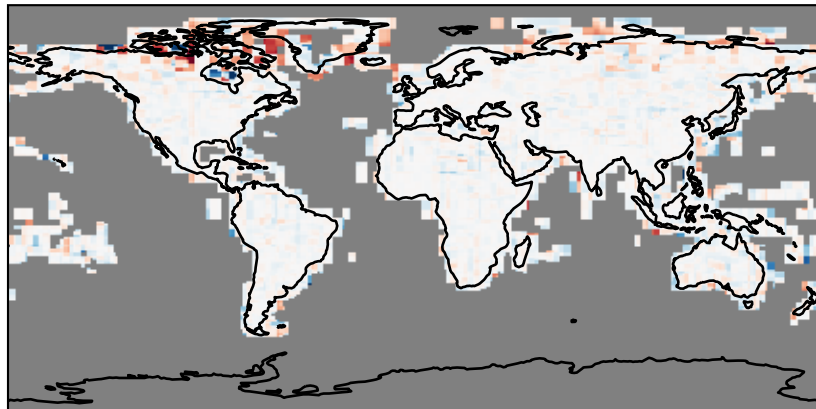
Difference (1x1.25)
Dev - Ref, Dynamic Range



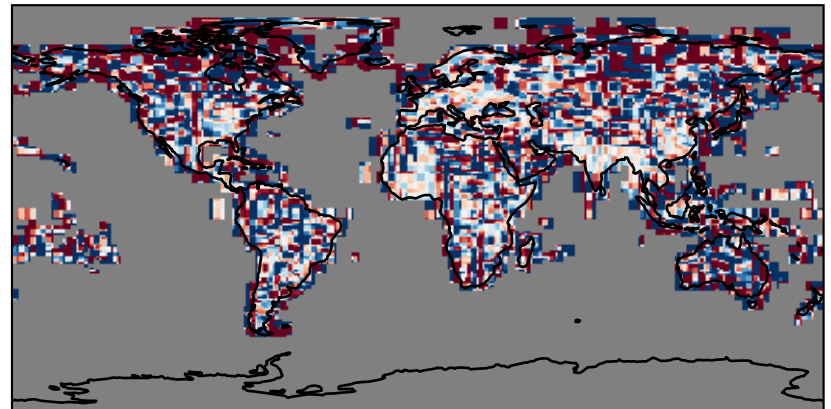
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

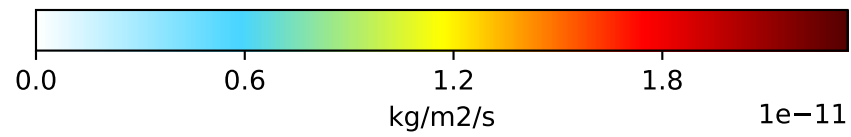
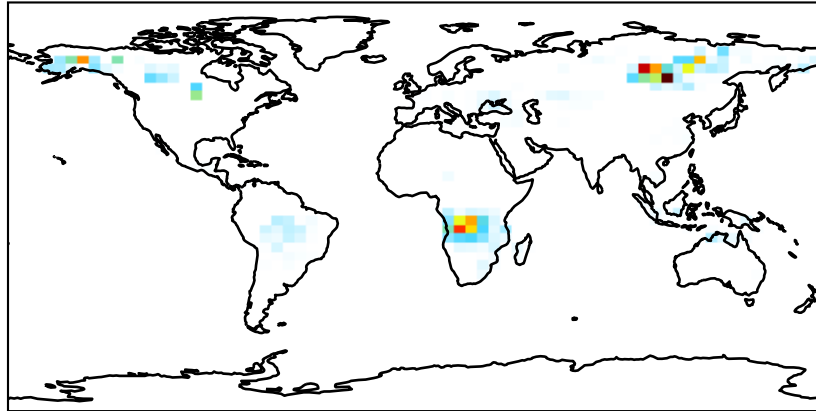


Ratio (1x1.25)
Dev/Ref, Fixed Range

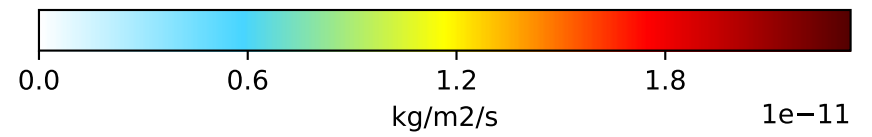
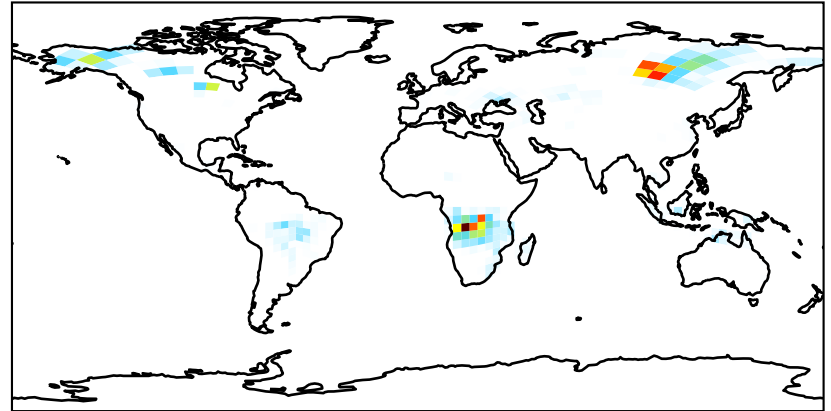


EmisMEK_BioBurn (Jul2019)

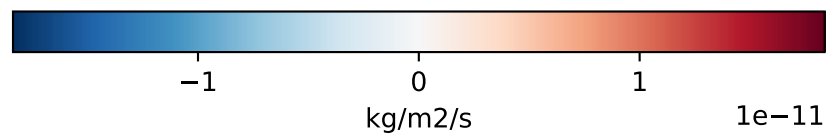
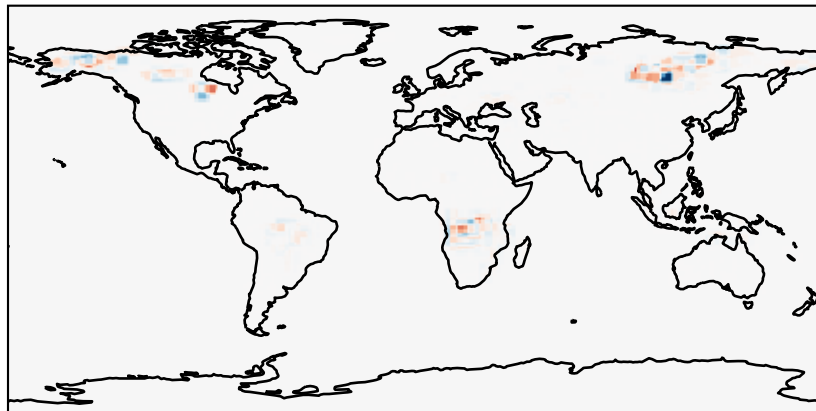
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



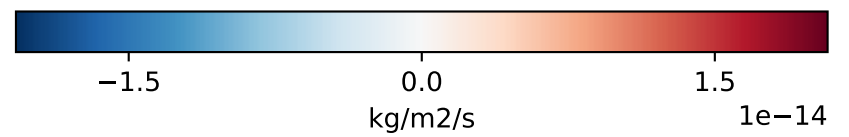
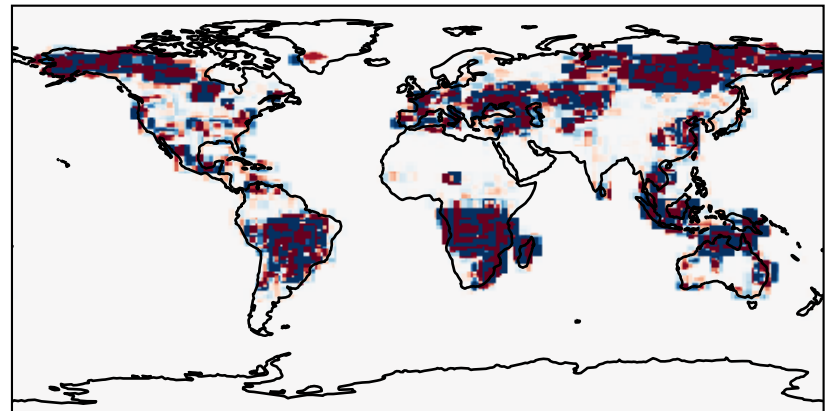
GCHP_14.0.0-rc.3 (Dev)
c24



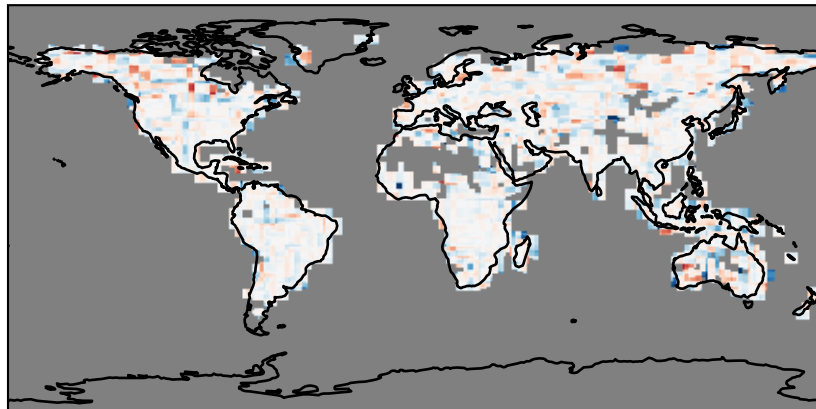
Difference (1x1.25)
Dev - Ref, Dynamic Range



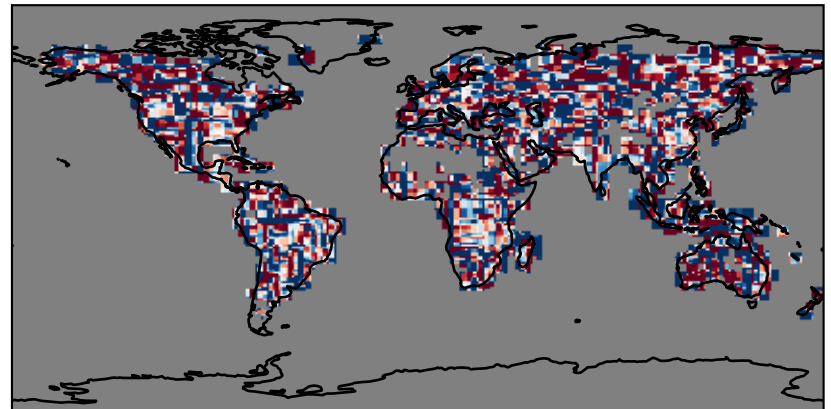
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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



EmisMEK_Ship (Jul2019)

GCC_14.0.0-rc.3 (Ref)
4.0x5.0



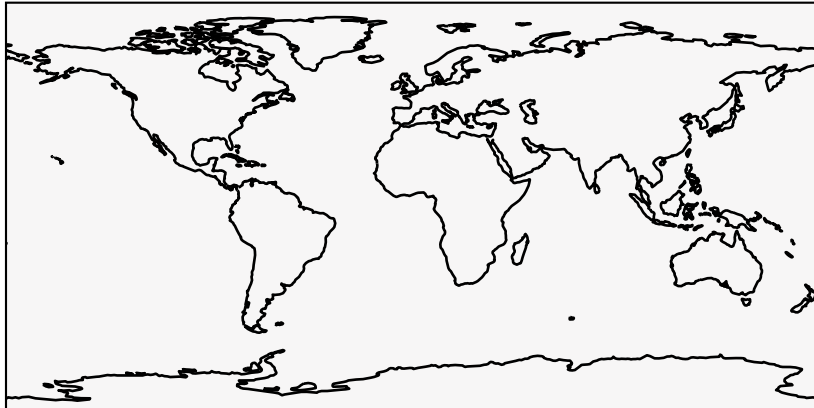
Zero throughout domain
kg/m2/s

GCHP_14.0.0-rc.3 (Dev)
c24



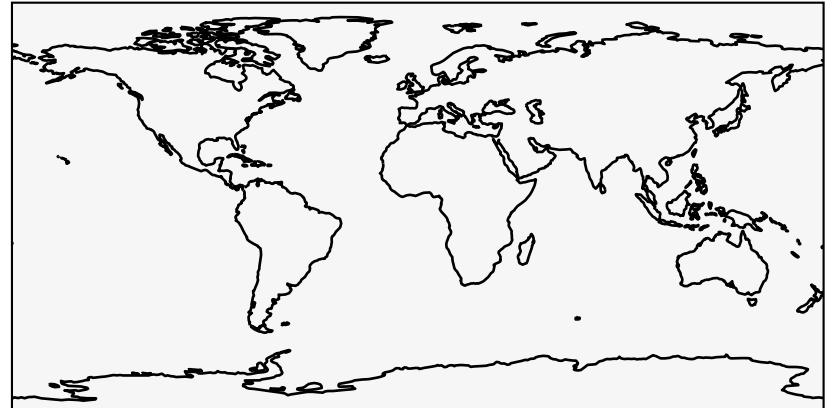
Zero throughout domain
kg/m2/s

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



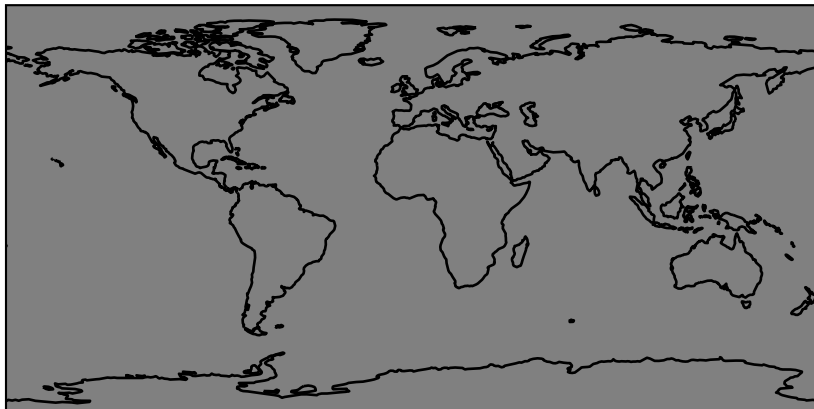
Zero throughout domain
kg/m2/s

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



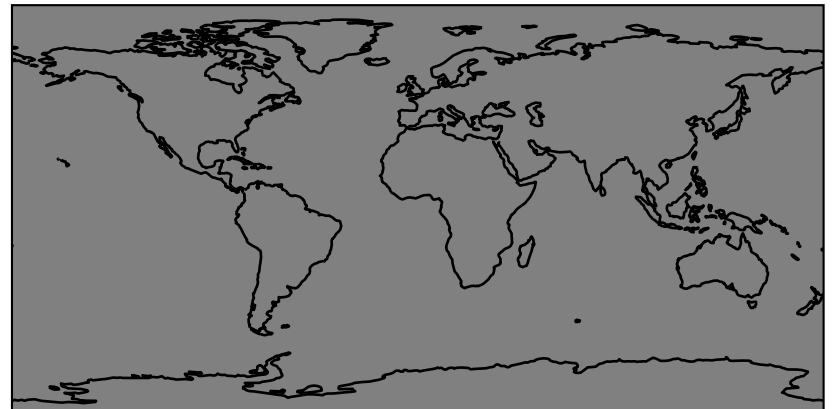
Zero throughout domain
kg/m2/s

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



Undefined throughout domain
unitless

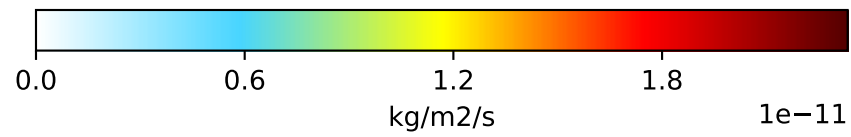
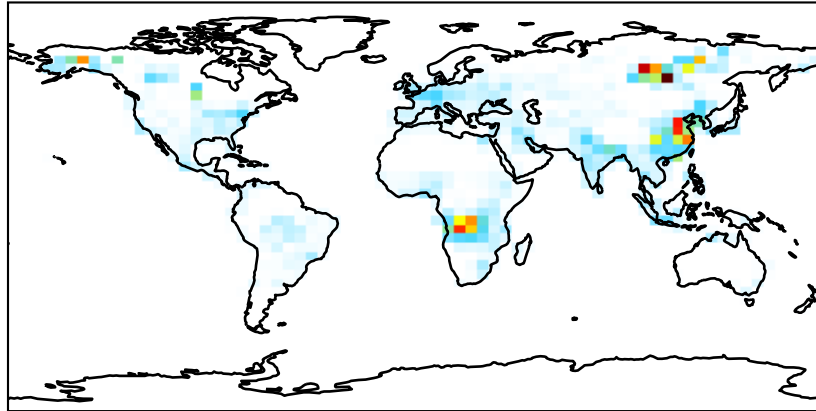
Ratio (1x1.25)
Dev/Ref, Fixed Range



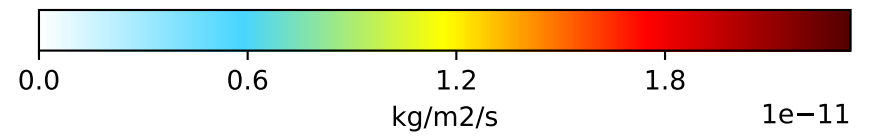
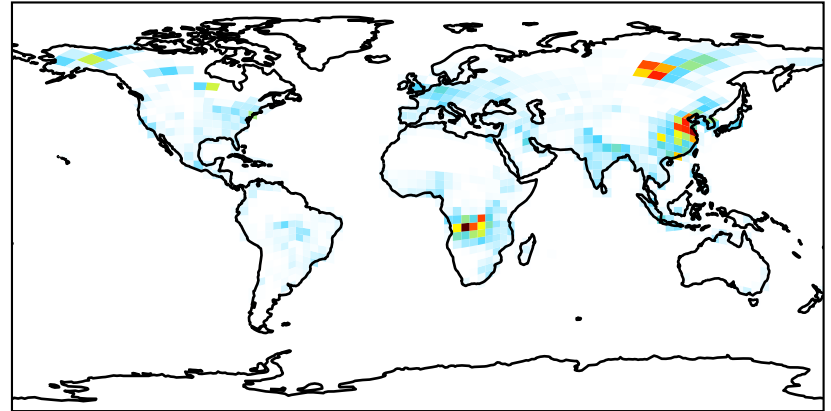
Undefined throughout domain
unitless

EmisMEK_Total (Jul2019)

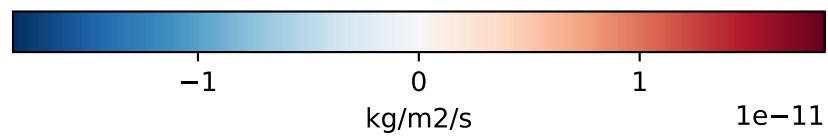
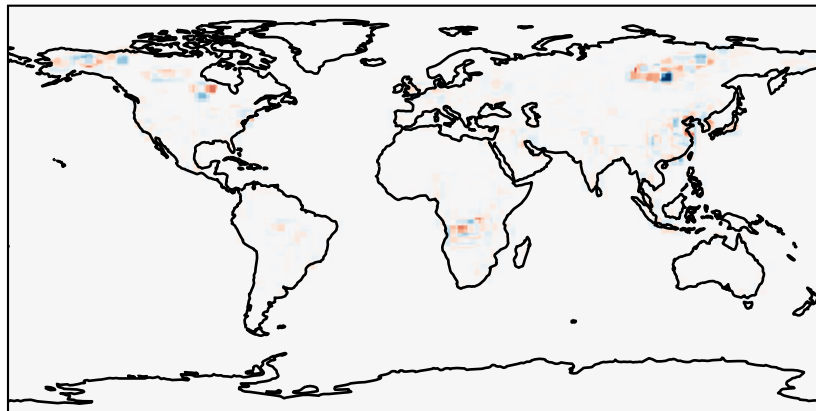
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



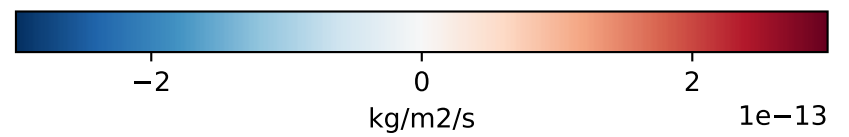
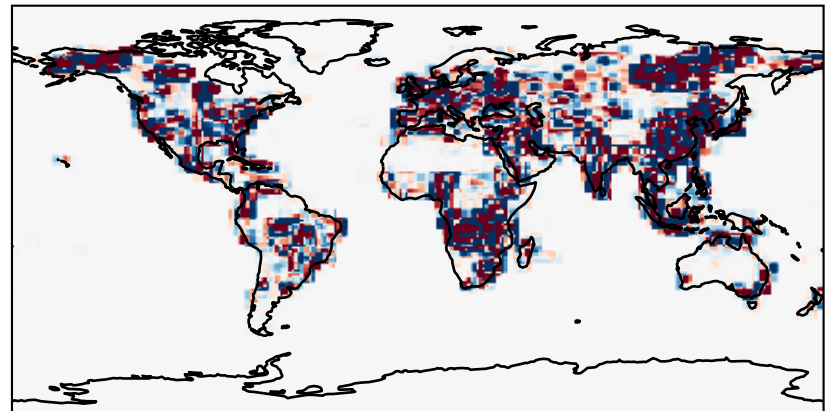
GCHP_14.0.0-rc.3 (Dev)
c24



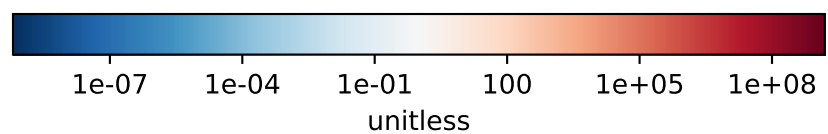
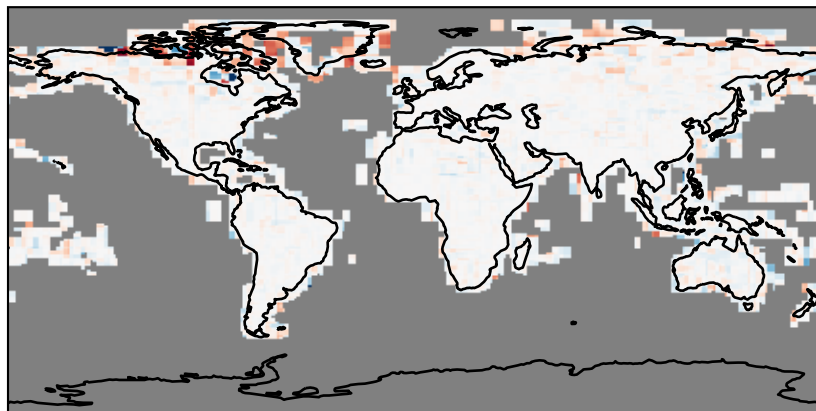
Difference (1x1.25)
Dev - Ref, Dynamic Range



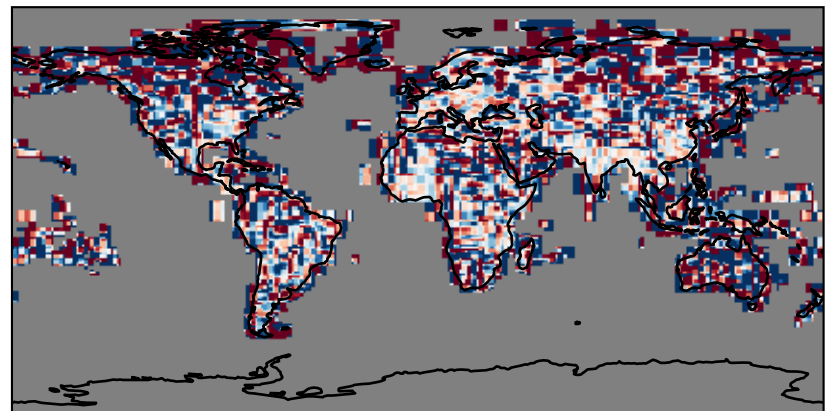
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

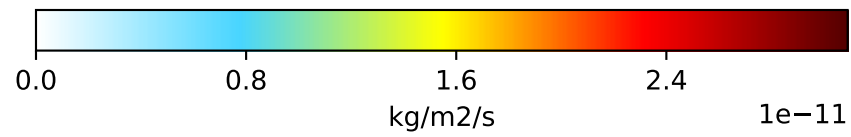
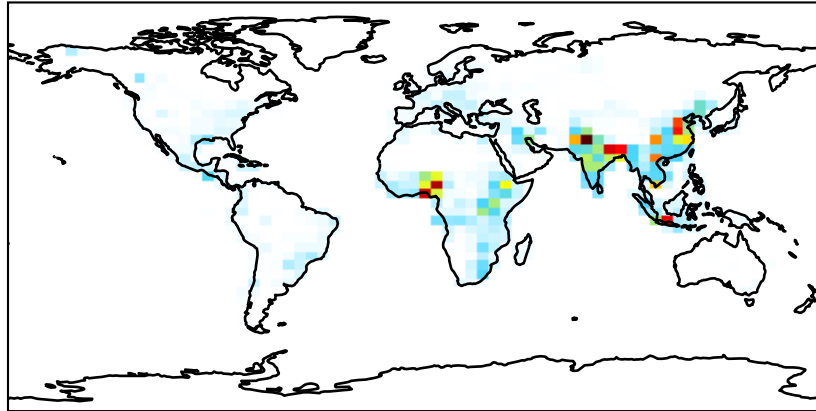


Ratio (1x1.25)
Dev/Ref, Fixed Range

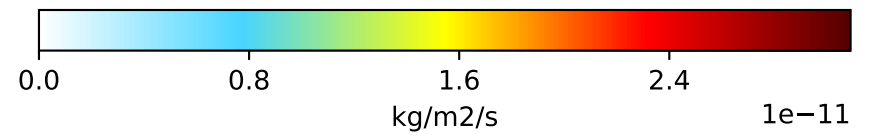
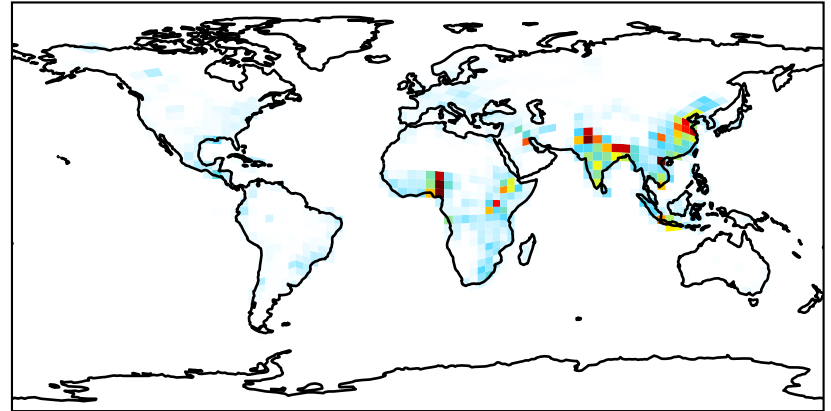


EmisHCOOH_Anthro (Jul2019)

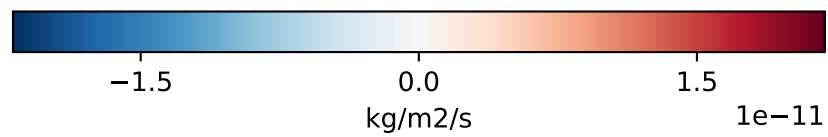
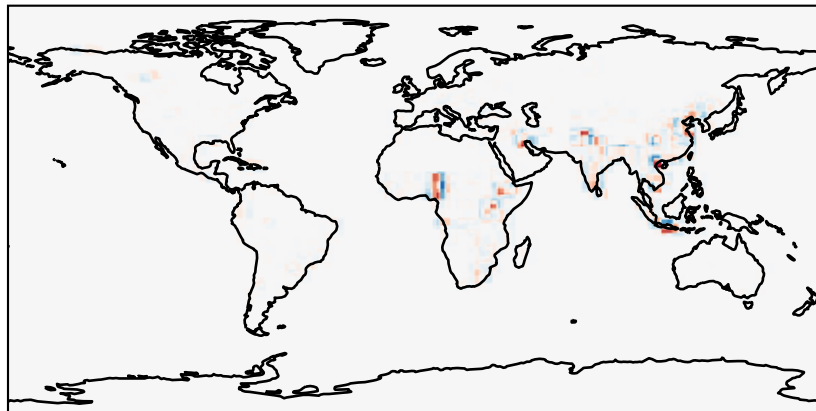
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



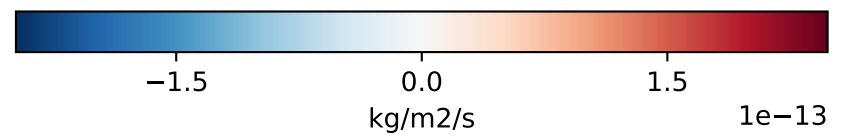
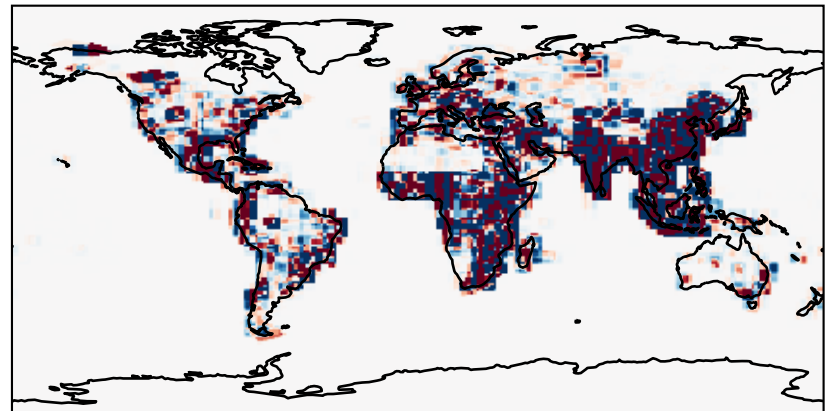
GCHP_14.0.0-rc.3 (Dev)
c24



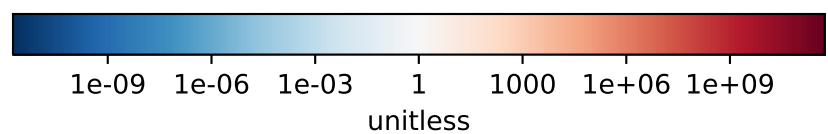
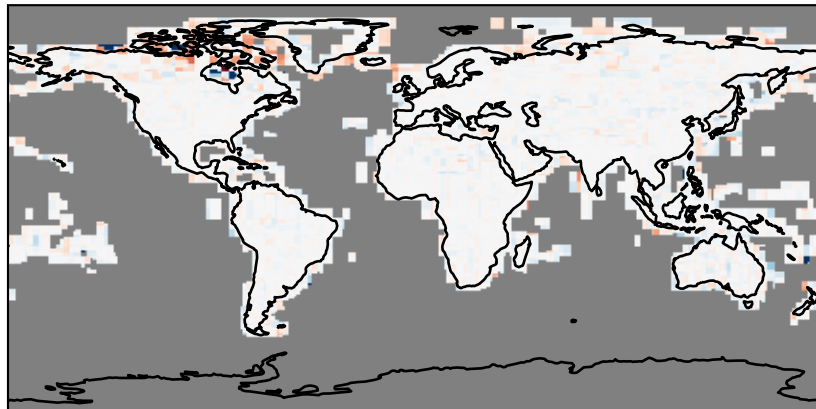
Difference (1x1.25)
Dev - Ref, Dynamic Range



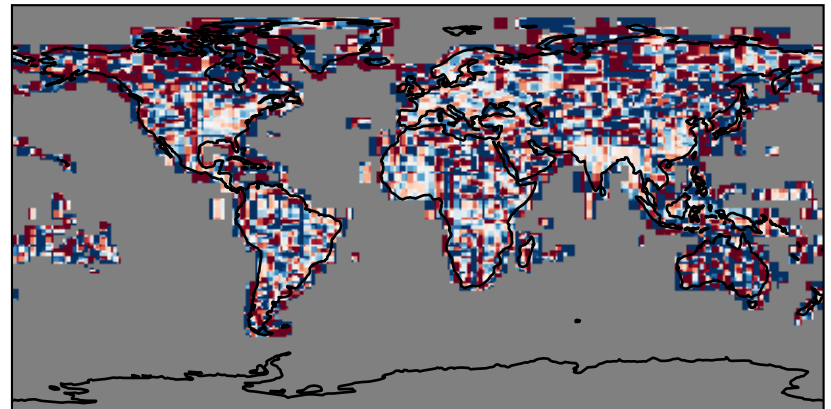
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

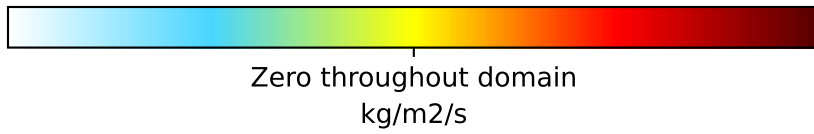
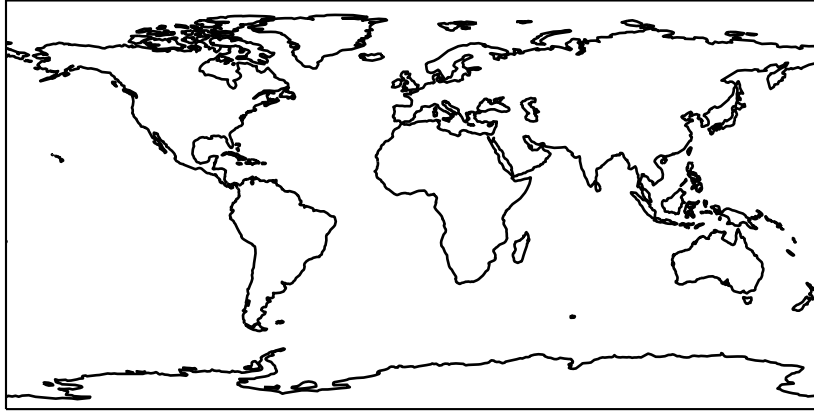


Ratio (1x1.25)
Dev/Ref, Fixed Range

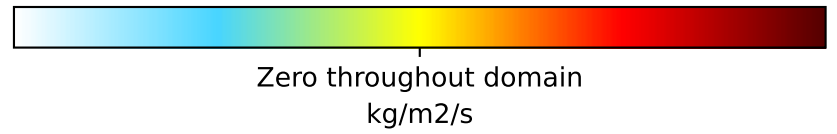
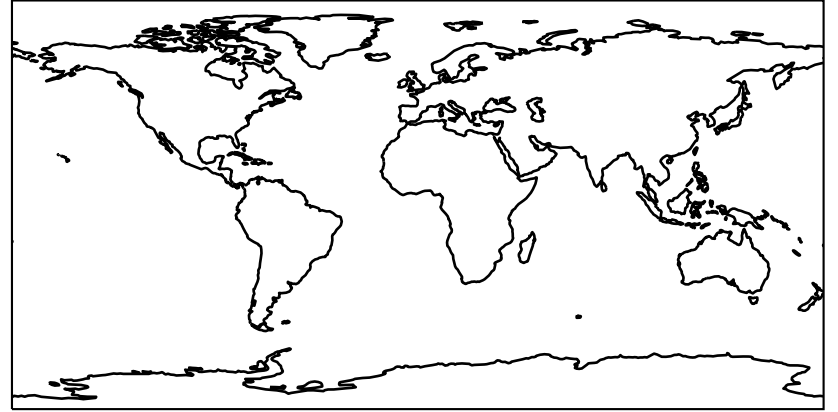


EmisHCOOH_Ship (Jul2019)

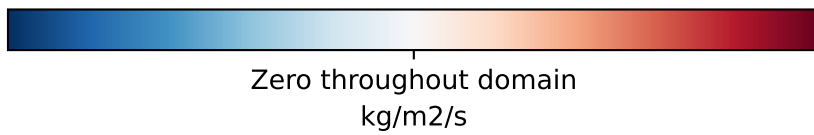
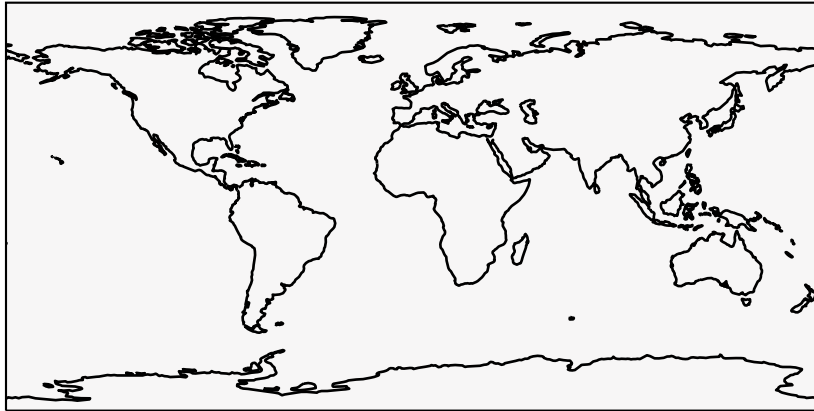
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



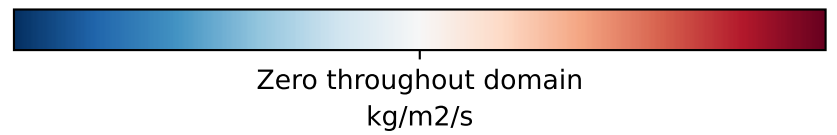
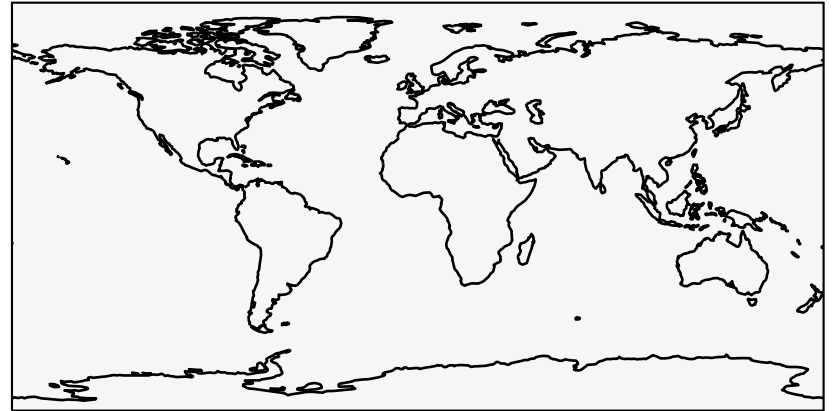
GCHP_14.0.0-rc.3 (Dev)
c24



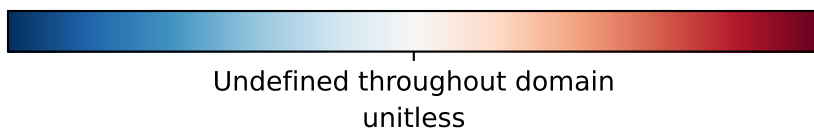
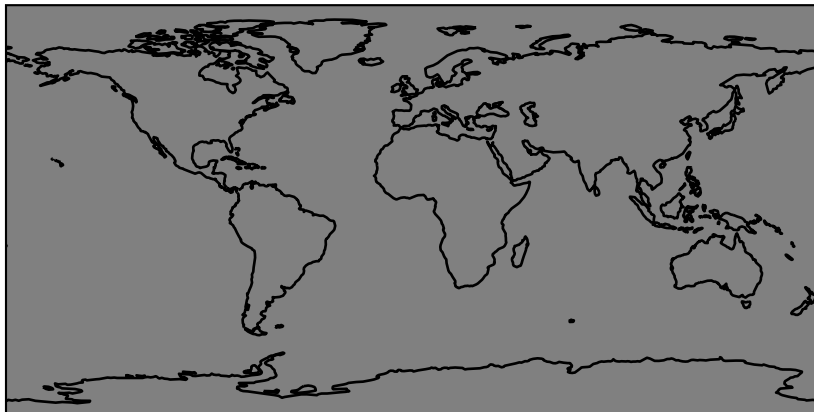
Difference (1x1.25)
Dev - Ref, Dynamic Range



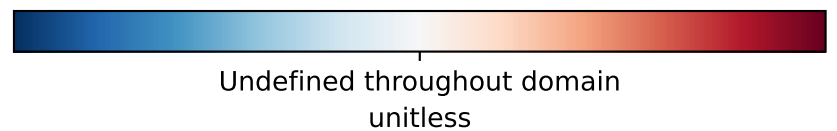
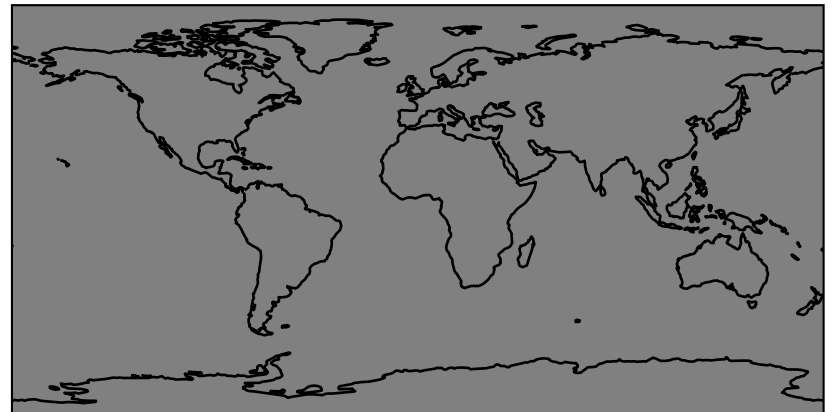
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

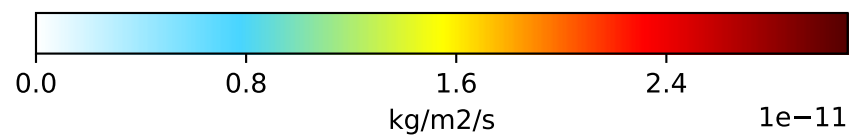
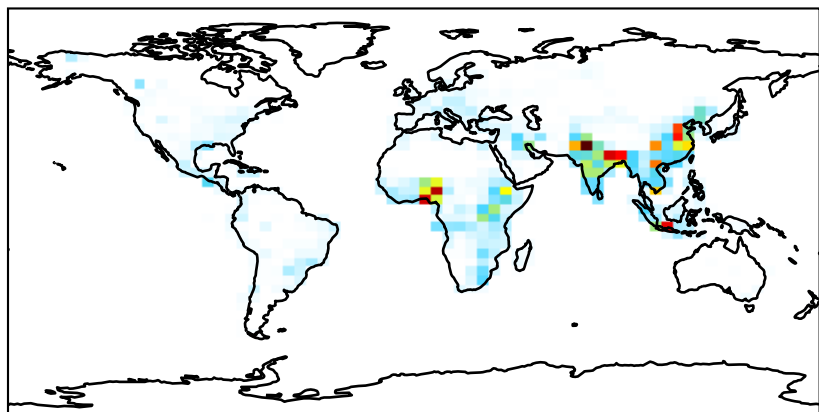


Ratio (1x1.25)
Dev/Ref, Fixed Range

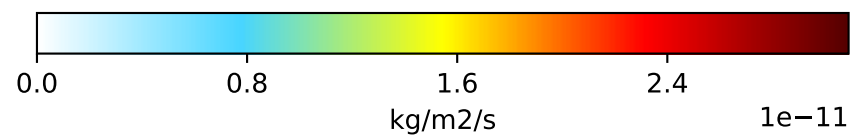
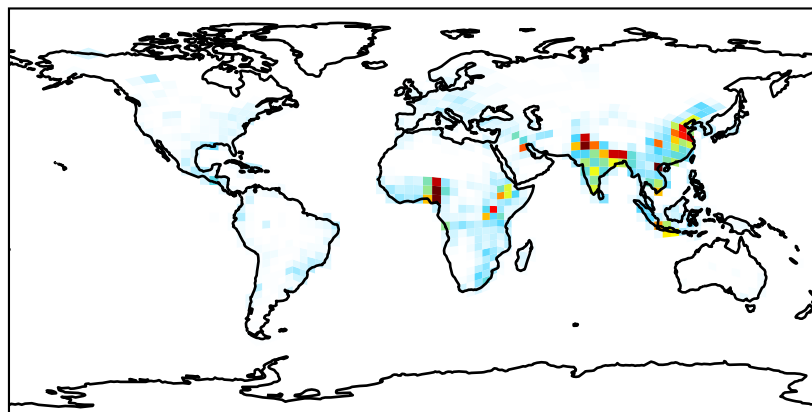


EmisHCOOH_Total (Jul2019)

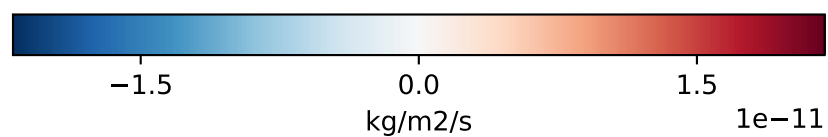
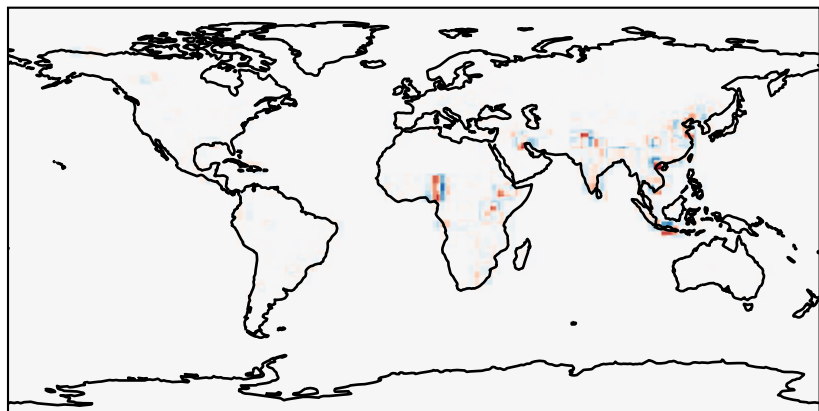
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



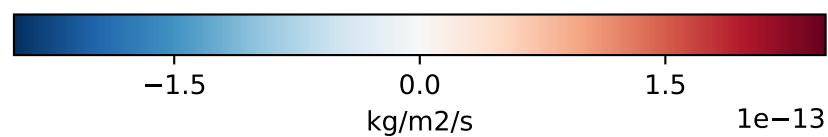
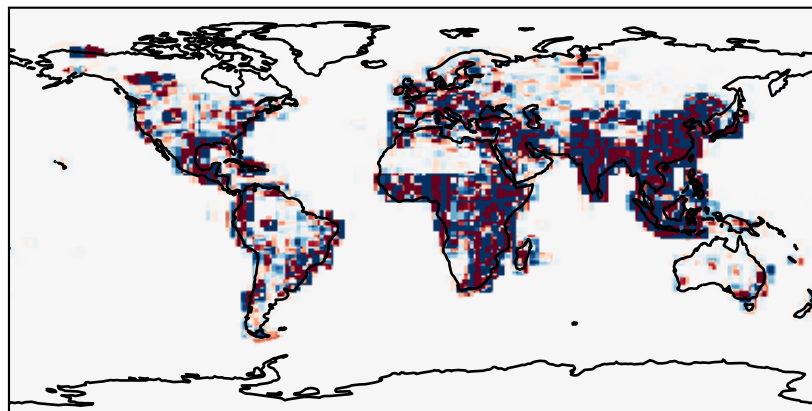
GCHP_14.0.0-rc.3 (Dev)
c24



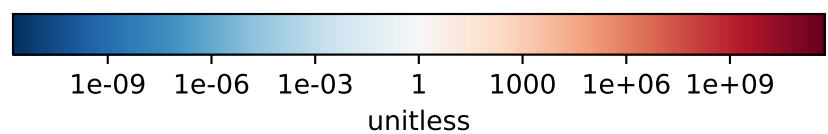
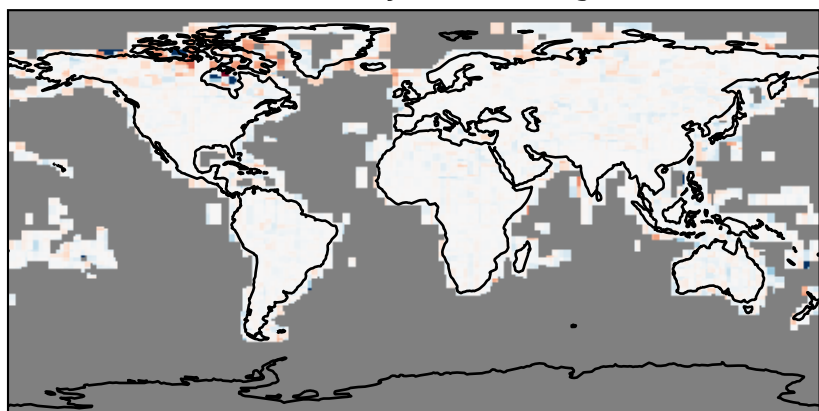
Difference (1x1.25)
Dev - Ref, Dynamic Range



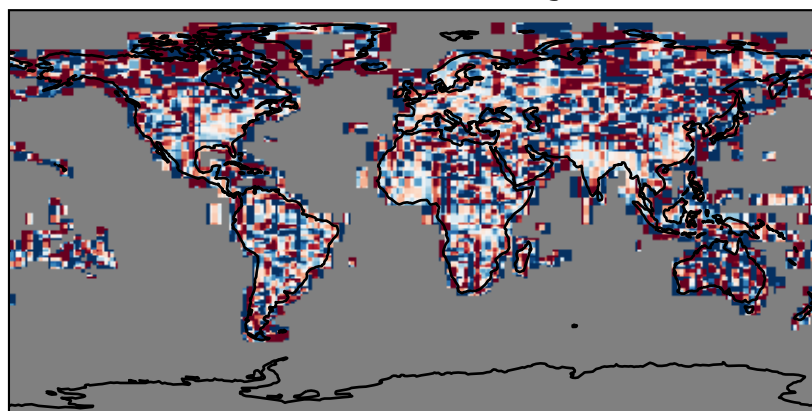
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

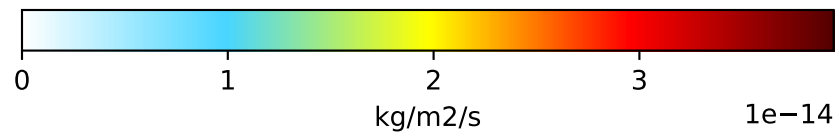
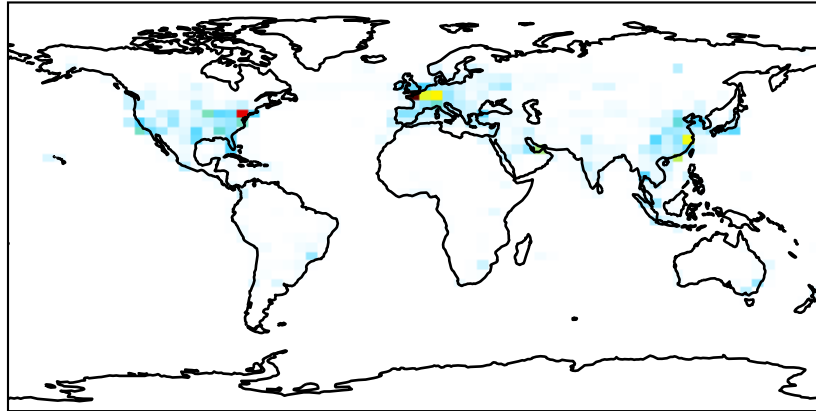


Ratio (1x1.25)
Dev/Ref, Fixed Range

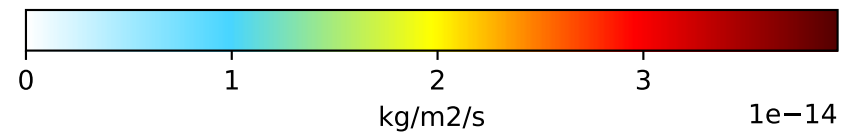
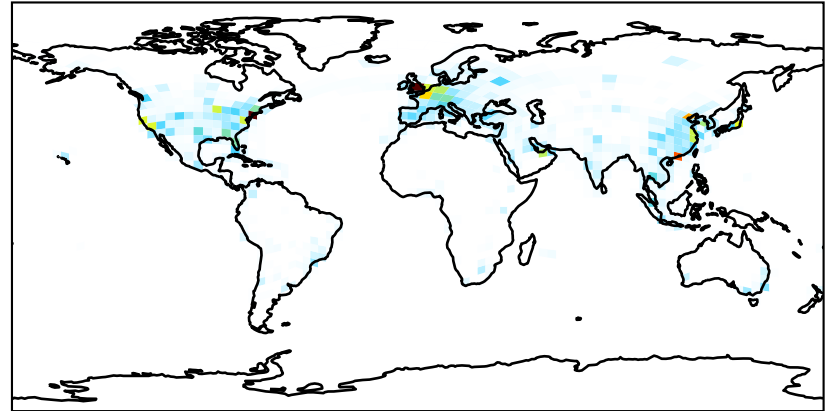


EmisRCHO_Aircraft (Jul2019)

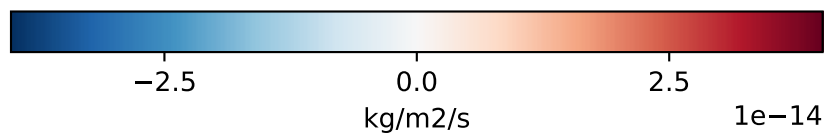
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



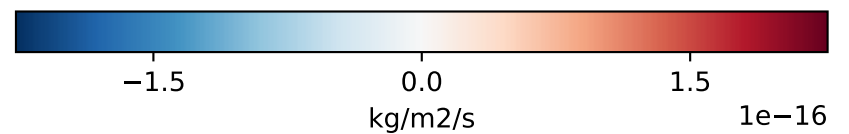
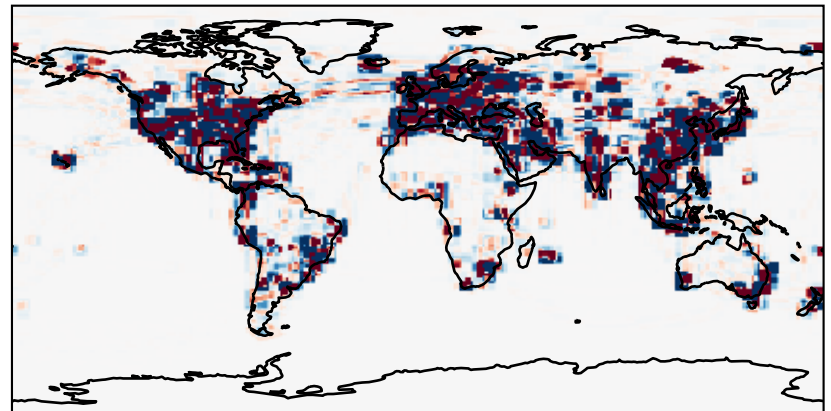
GCHP_14.0.0-rc.3 (Dev)
c24



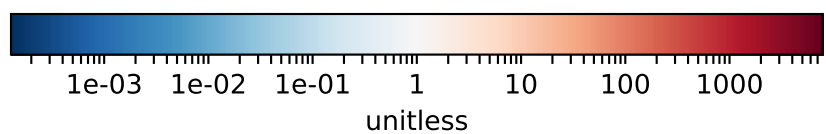
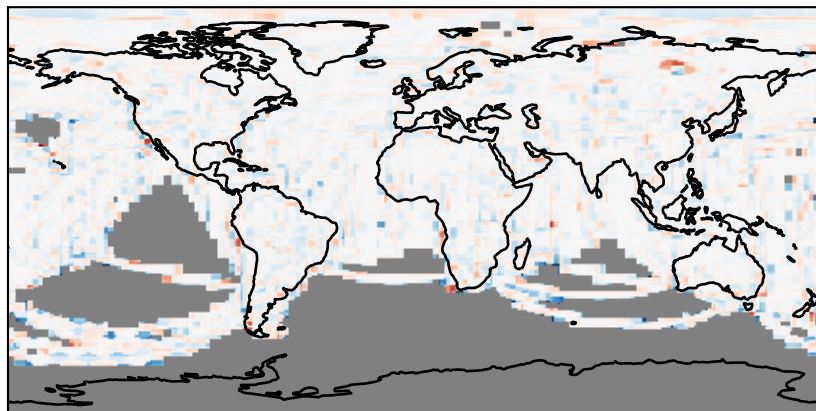
Difference (1x1.25)
Dev - Ref, Dynamic Range



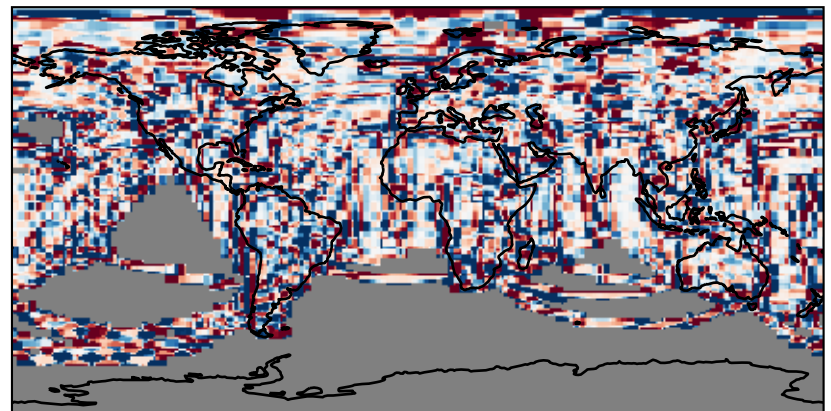
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

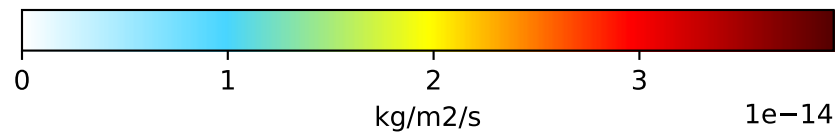
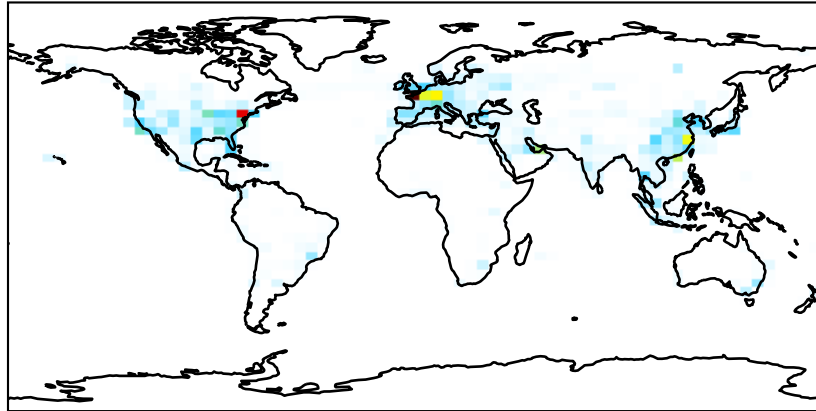


Ratio (1x1.25)
Dev/Ref, Fixed Range

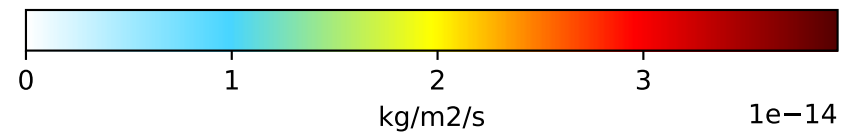
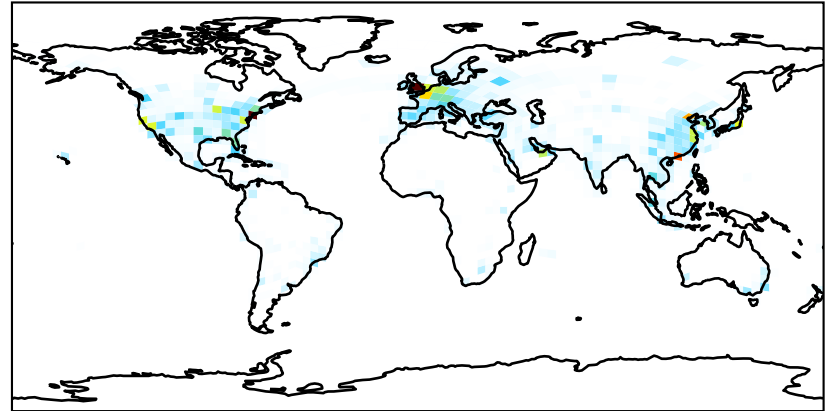


EmisRCHO_Total (Jul2019)

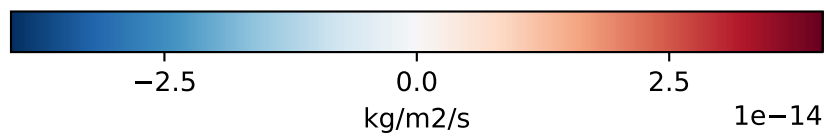
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



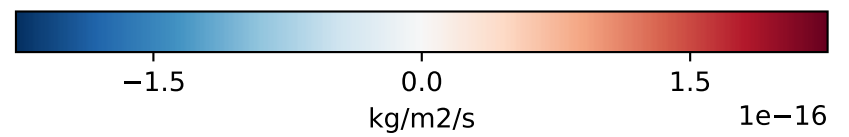
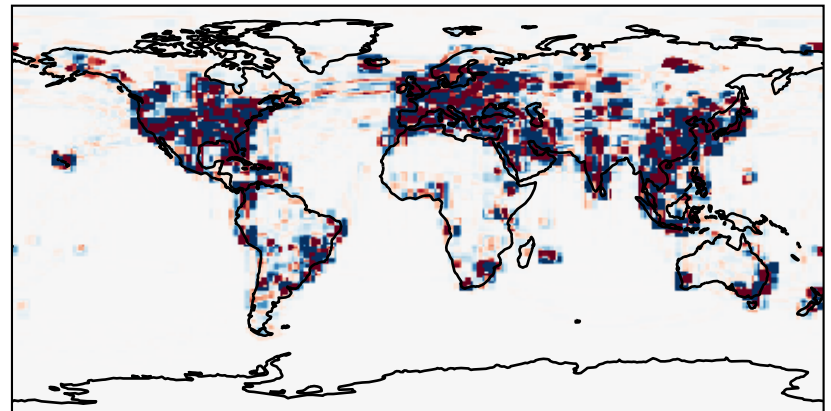
GCHP_14.0.0-rc.3 (Dev)
c24



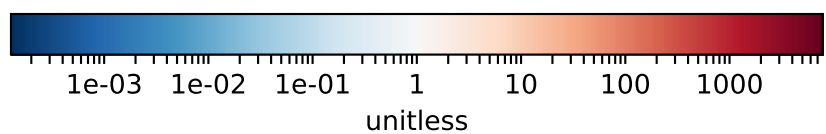
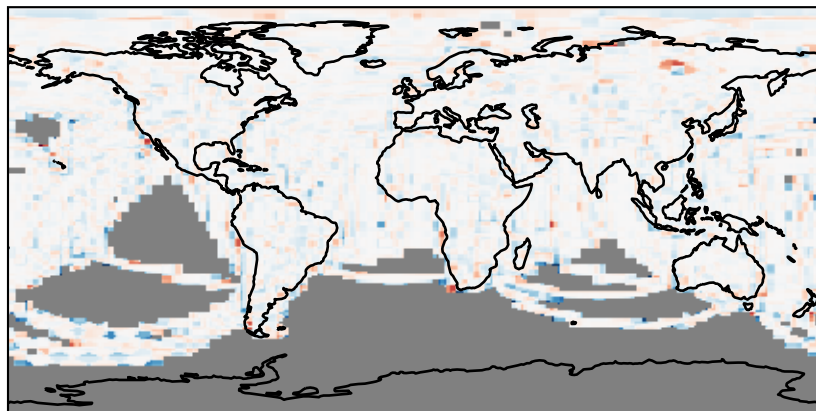
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

