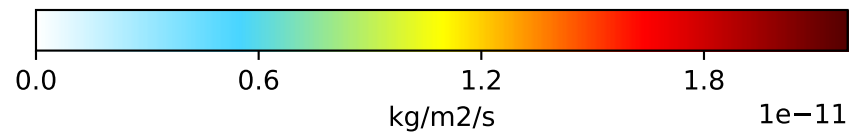
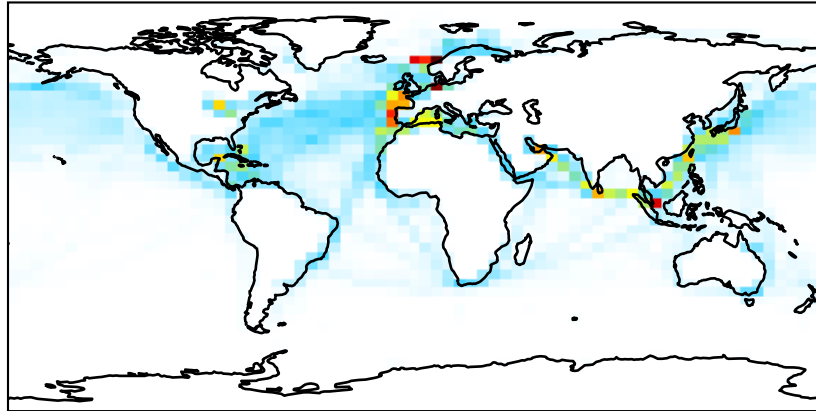
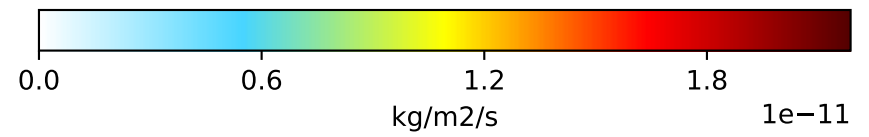
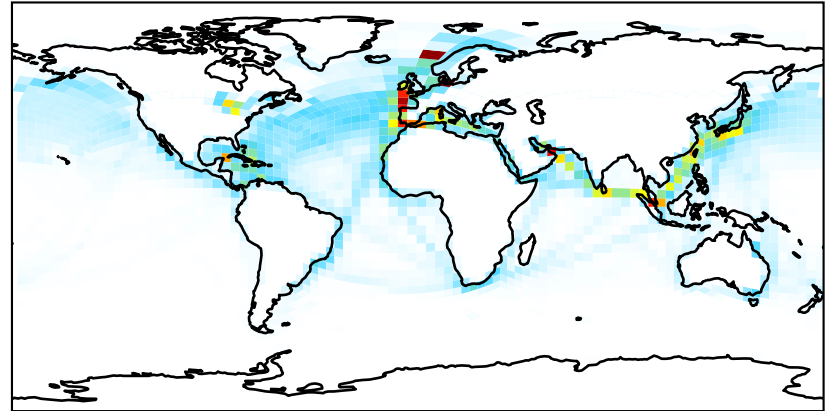


EmisHNO3_Ship (Apr2019)

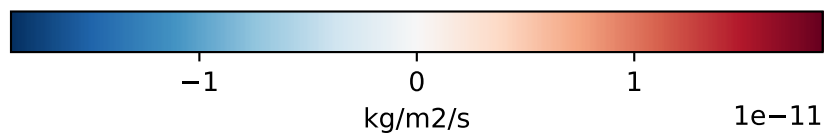
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



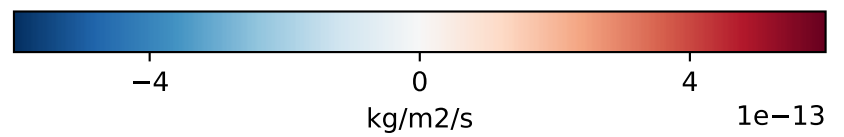
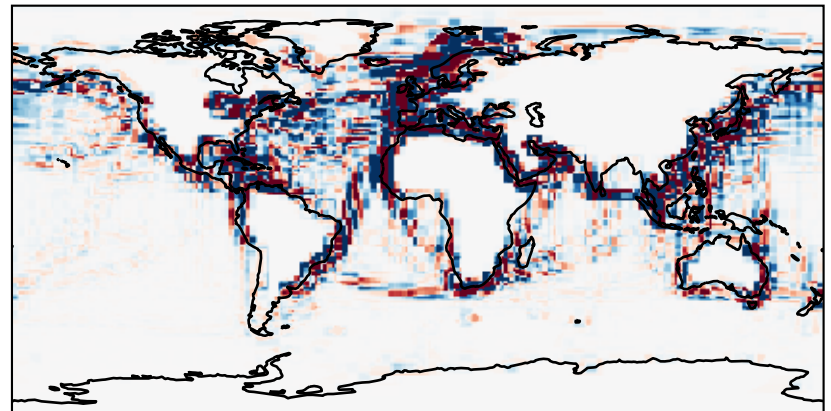
GCHP_14.0.0-rc.3 (Dev)
c24



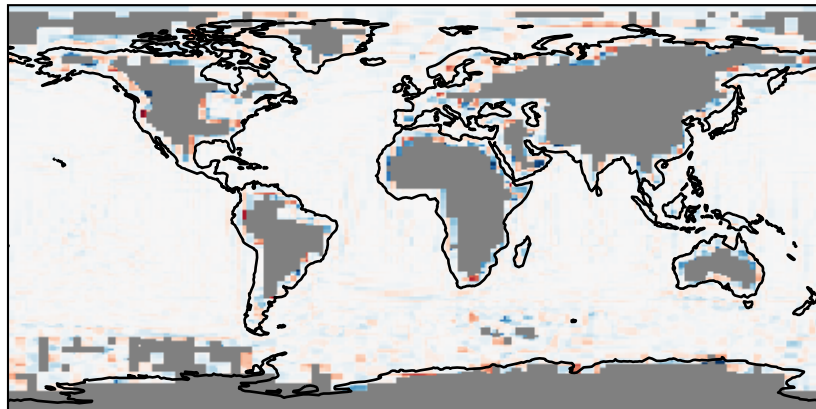
Difference (1x1.25)
Dev - Ref, Dynamic Range



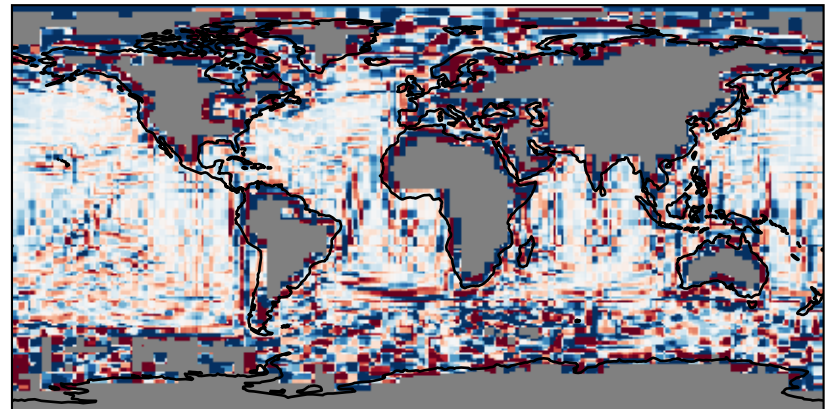
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

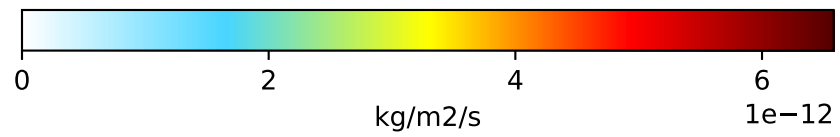
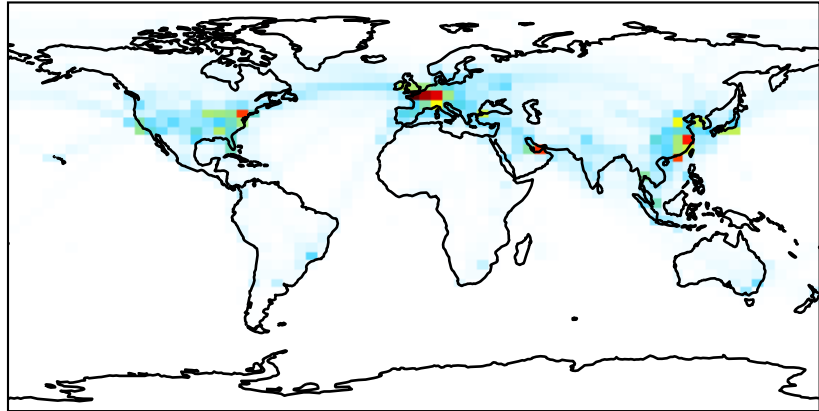


Ratio (1x1.25)
Dev/Ref, Fixed Range

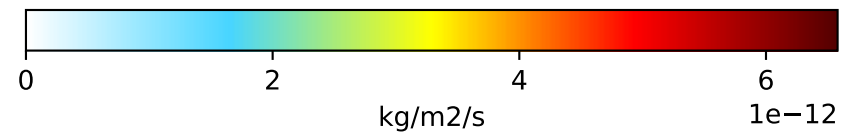
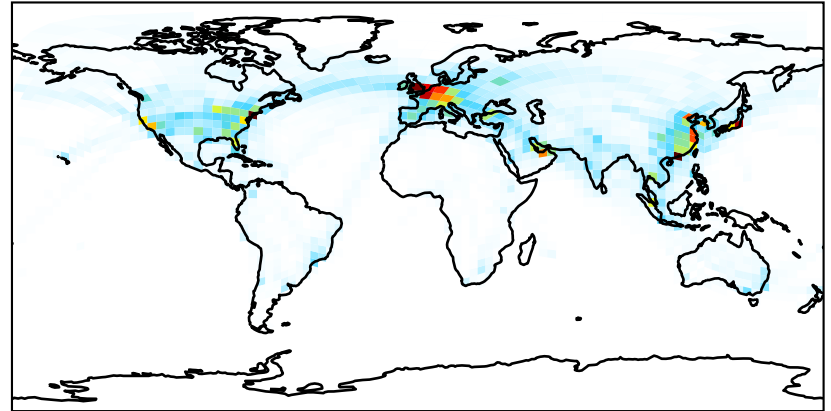


EmisNO_Aircraft (Apr2019)

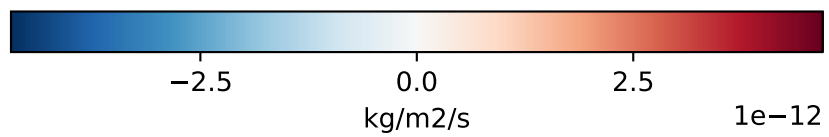
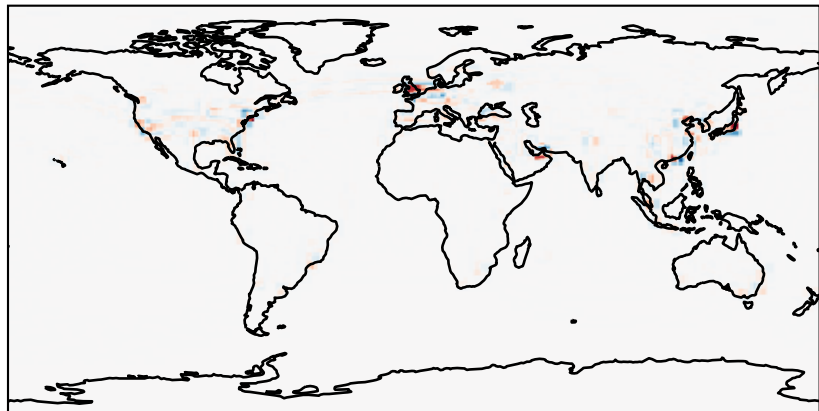
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



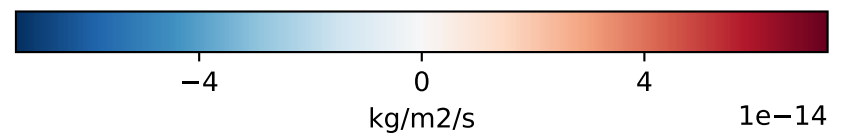
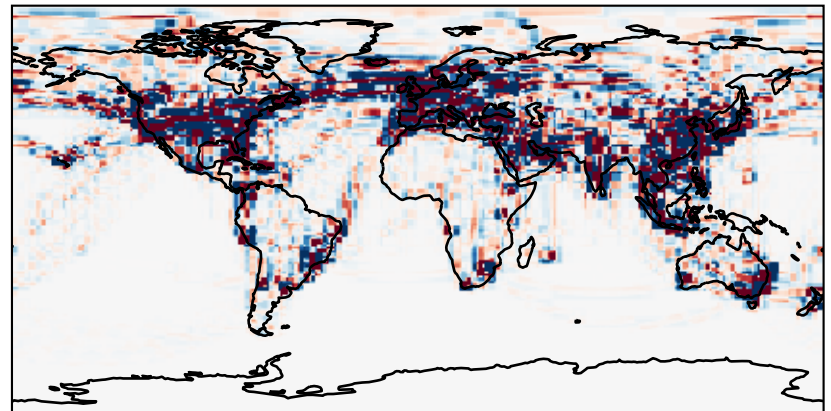
GCHP_14.0.0-rc.3 (Dev)
c24



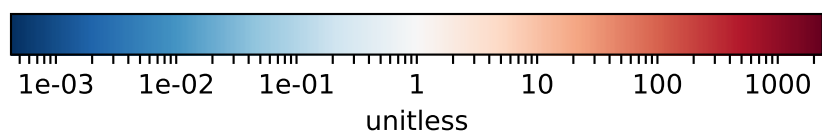
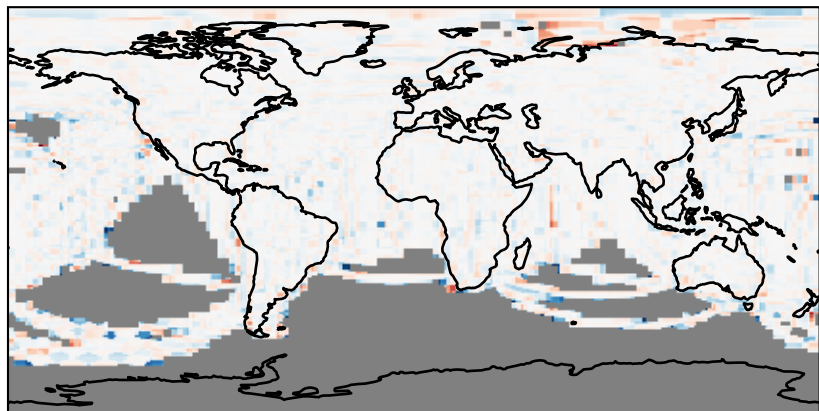
Difference (1x1.25)
Dev - Ref, Dynamic Range



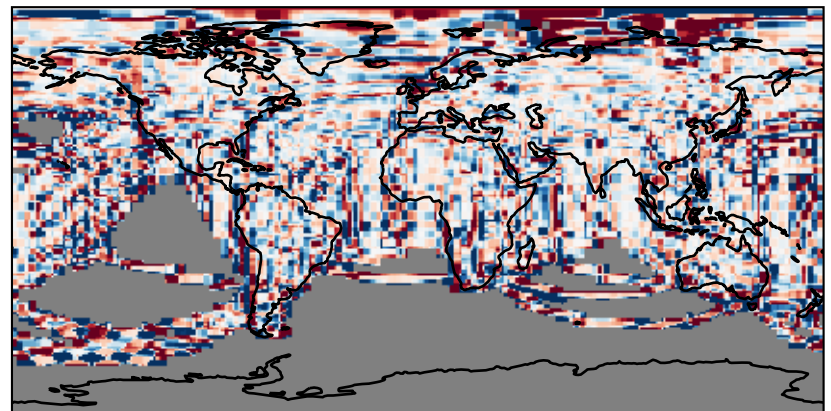
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

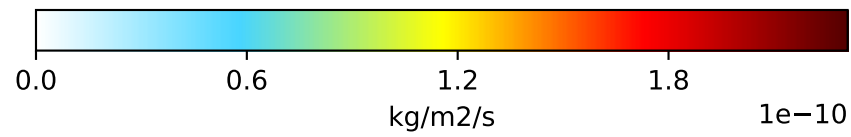
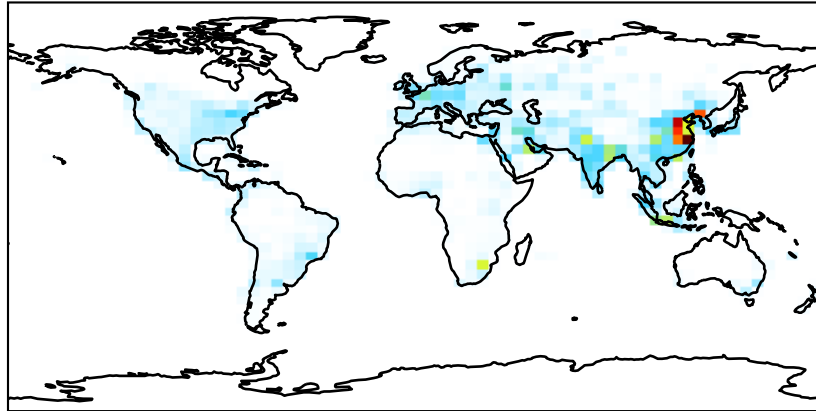


Ratio (1x1.25)
Dev/Ref, Fixed Range

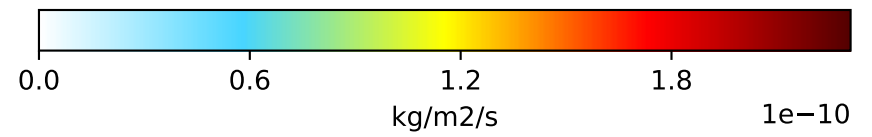
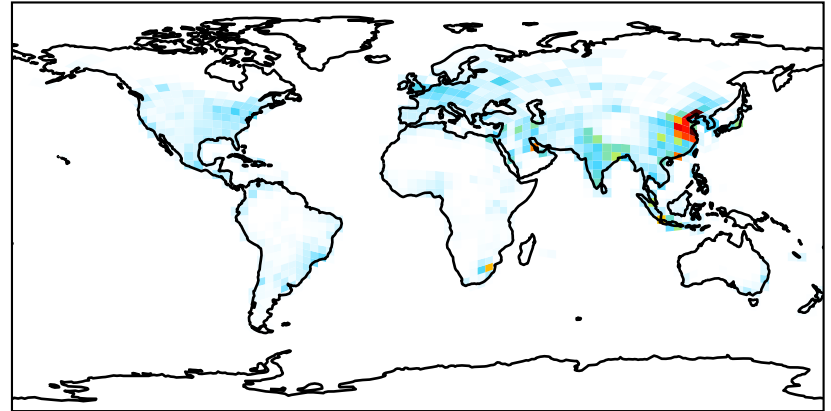


EmisNO_Anthro (Apr2019)

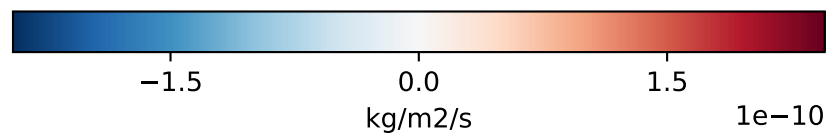
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



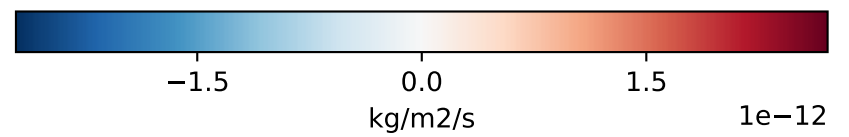
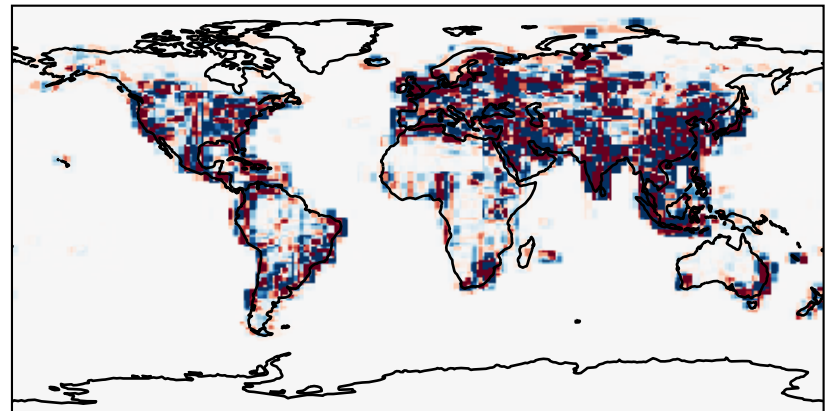
GCHP_14.0.0-rc.3 (Dev)
c24



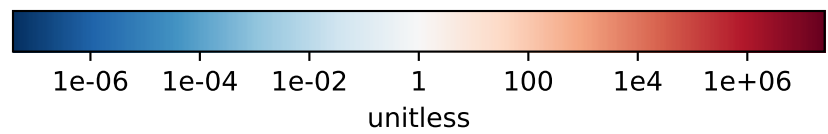
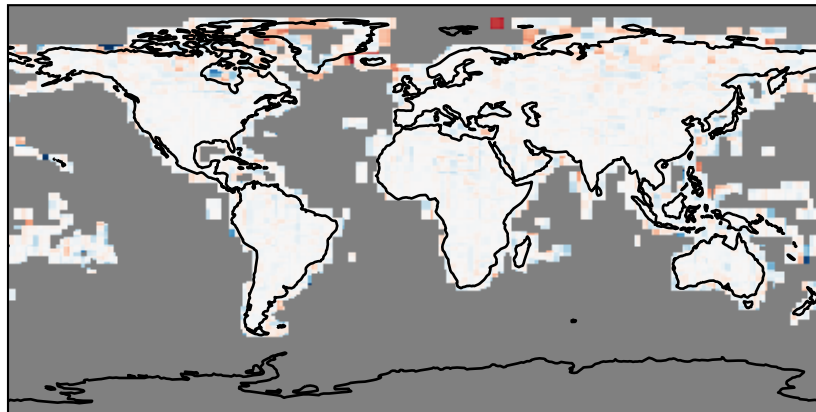
Difference (1x1.25)
Dev - Ref, Dynamic Range



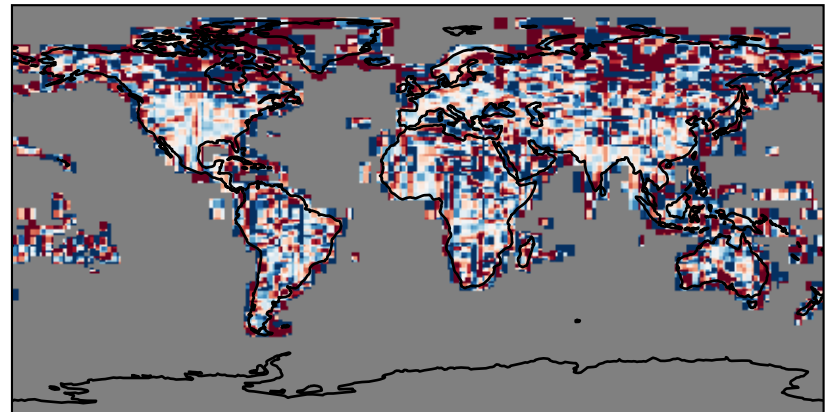
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

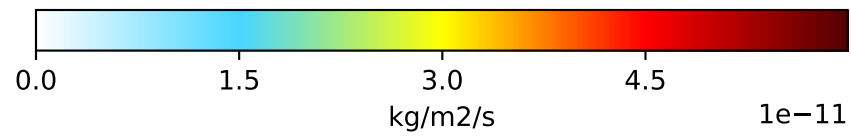
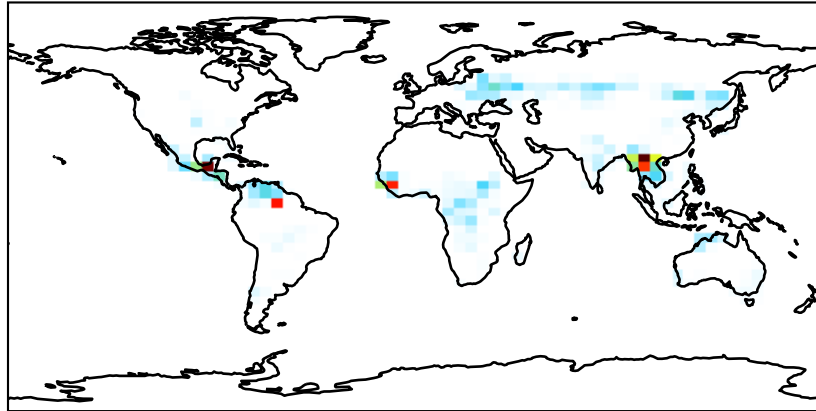


Ratio (1x1.25)
Dev/Ref, Fixed Range

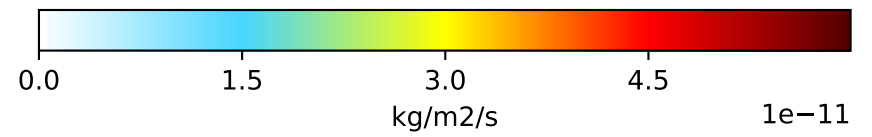
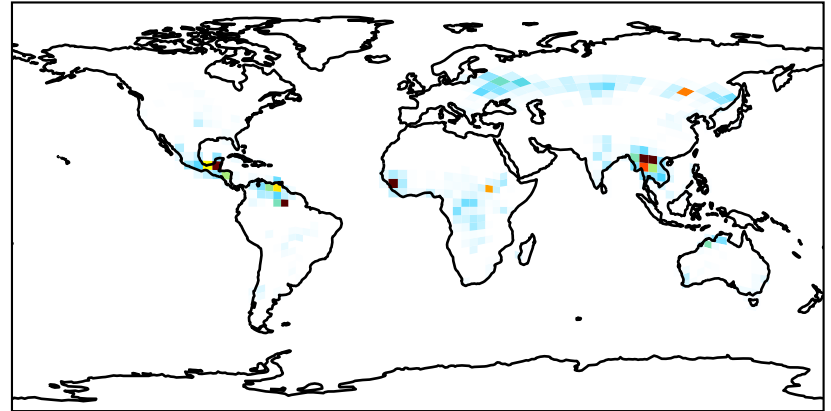


EmisNO_BioBurn (Apr2019)

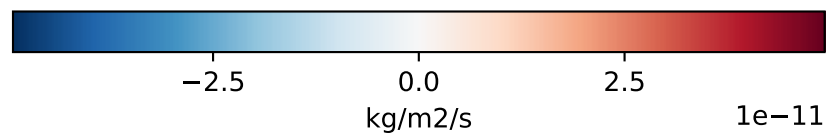
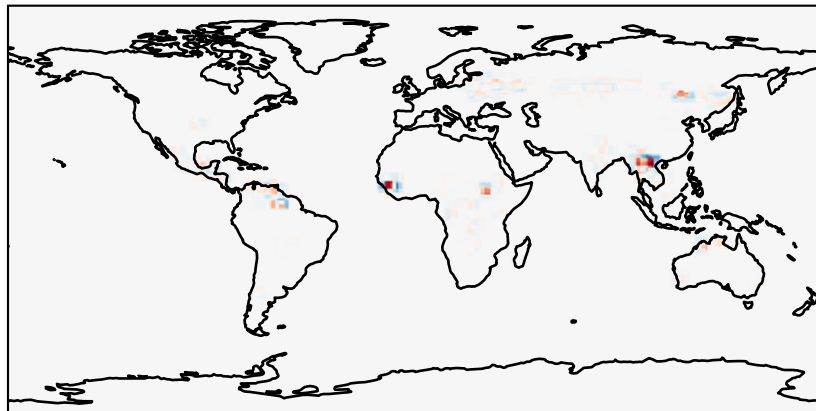
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



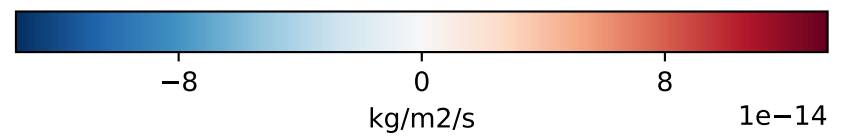
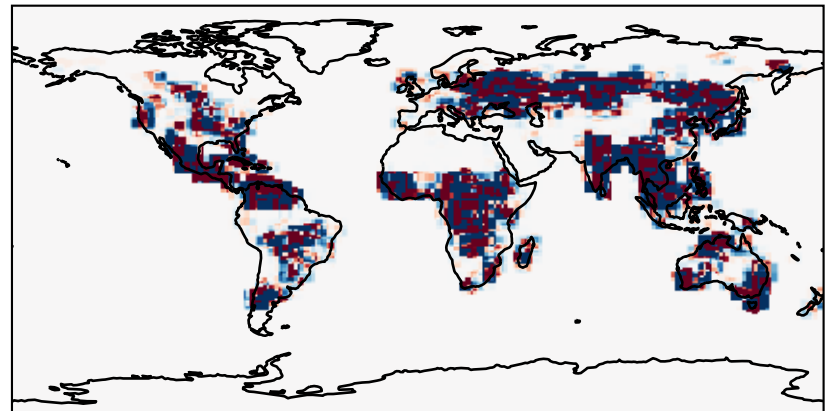
GCHP_14.0.0-rc.3 (Dev)
c24



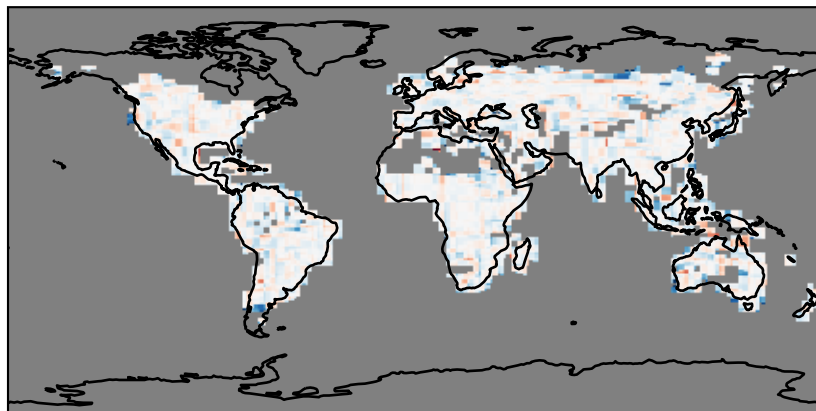
Difference (1x1.25)
Dev - Ref, Dynamic Range



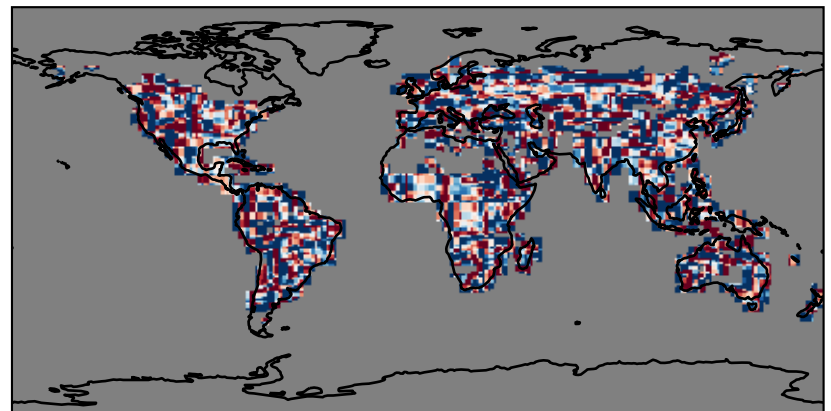
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

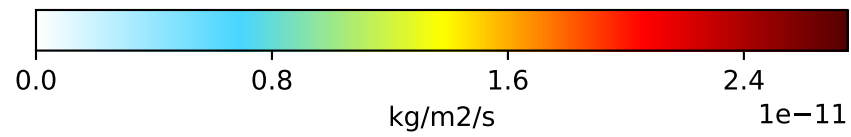
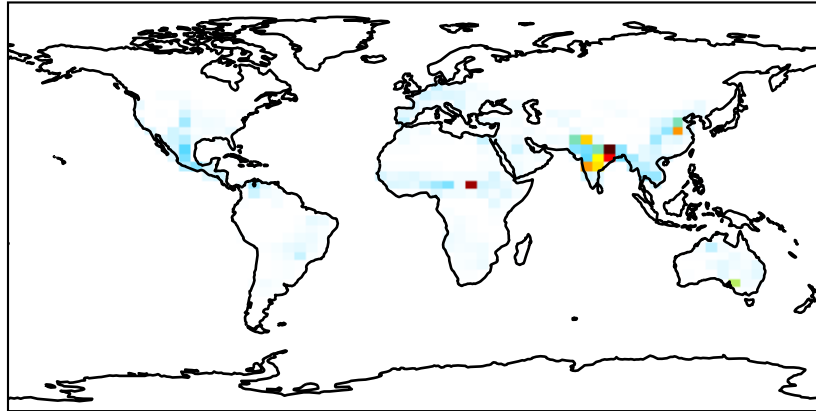


Ratio (1x1.25)
Dev/Ref, Fixed Range

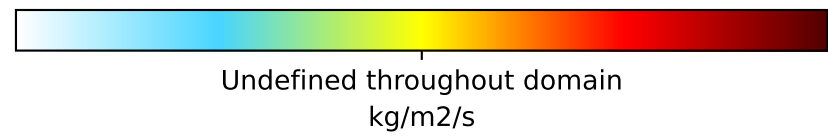
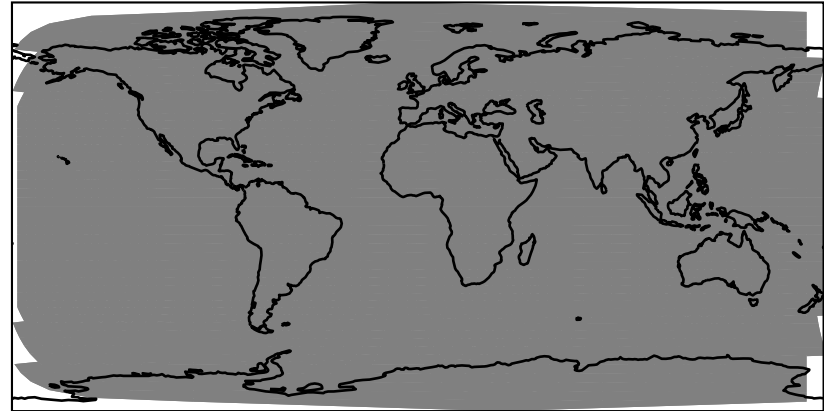


EmisNO_Fert (Apr2019)

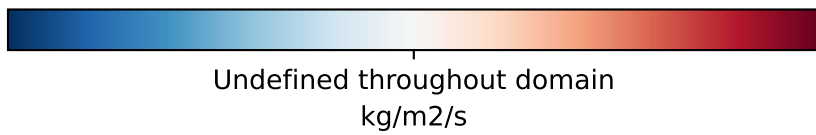
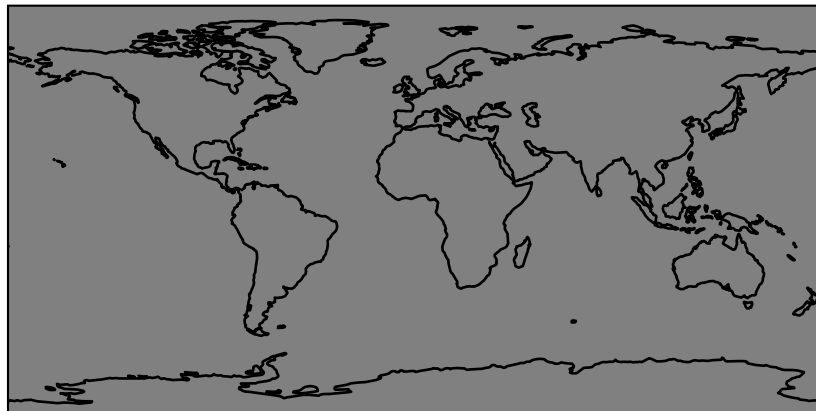
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



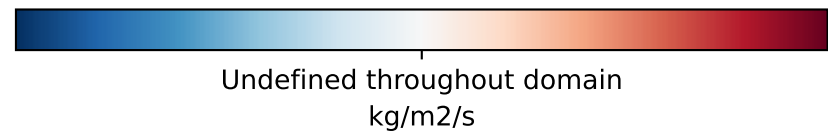
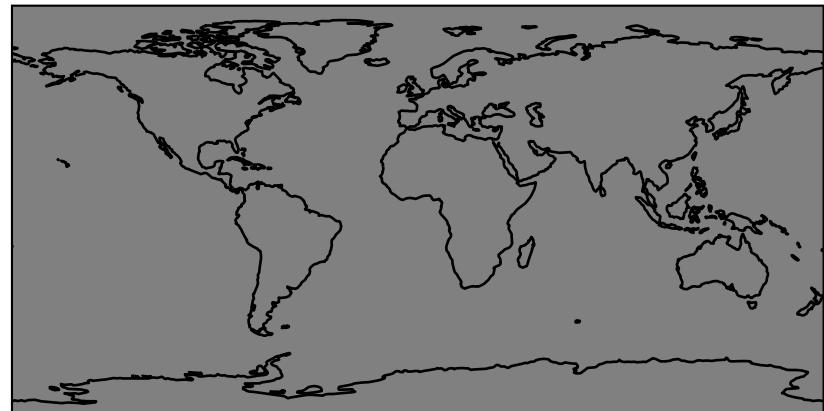
GCHP_14.0.0-rc.3 (Dev)
c24



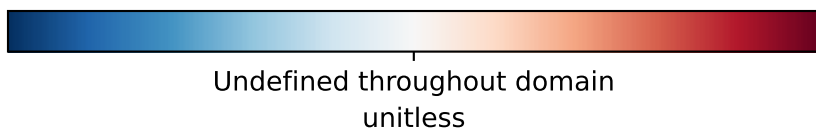
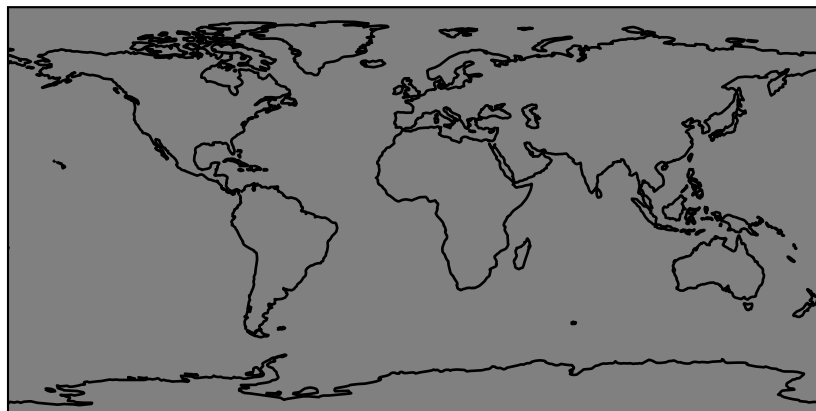
Difference (1x1.25)
Dev - Ref, Dynamic Range



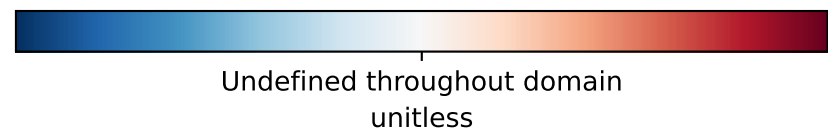
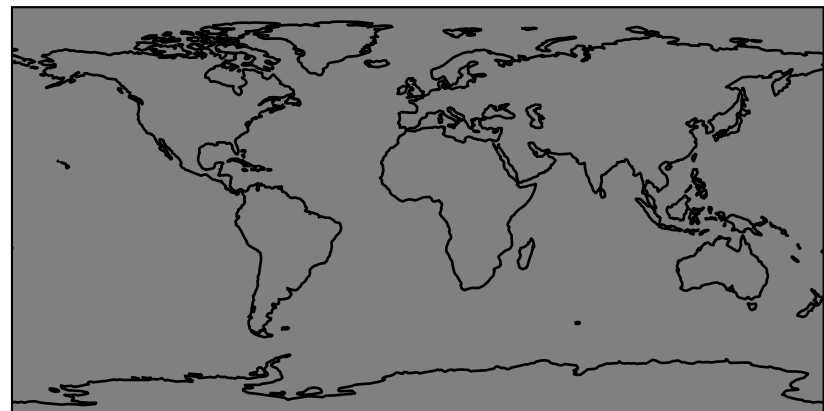
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

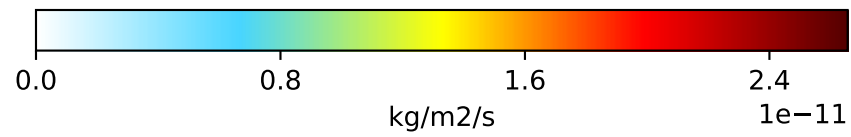
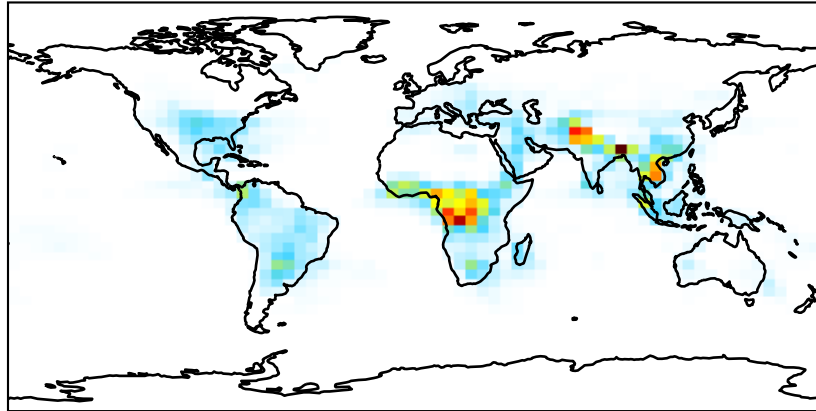


Ratio (1x1.25)
Dev/Ref, Fixed Range

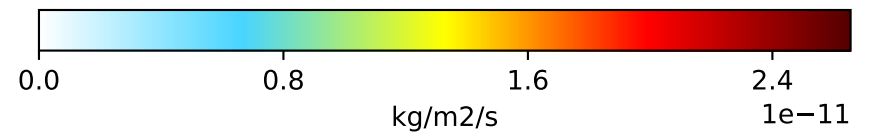
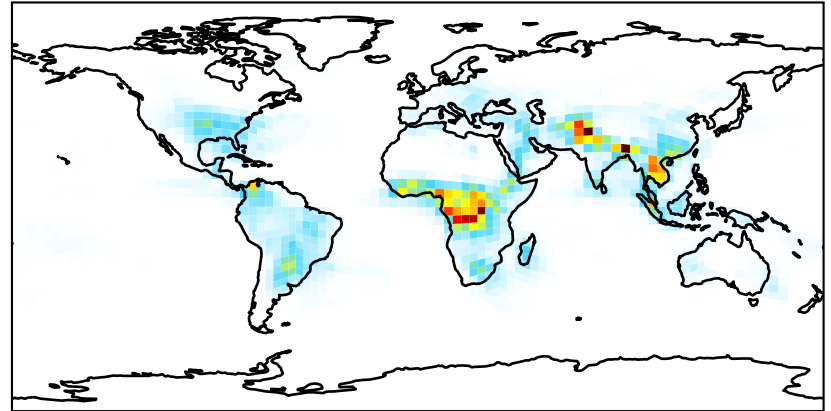


EmisNO_Lightning (Apr2019)

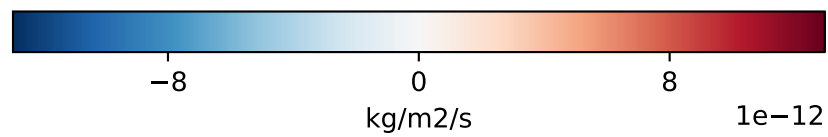
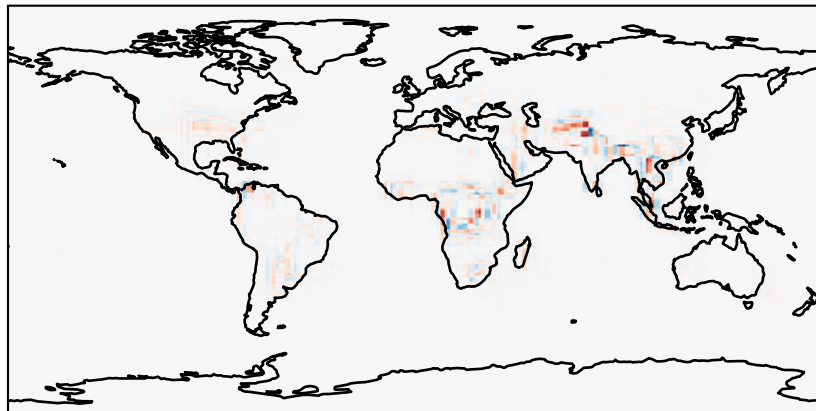
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



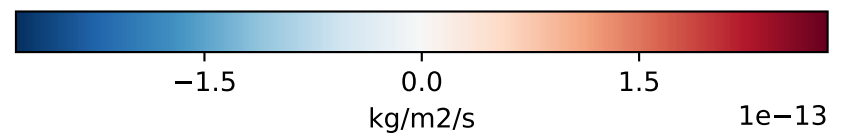
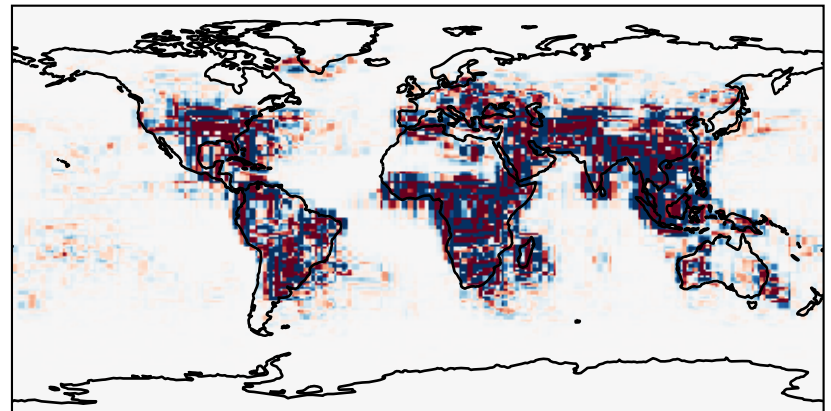
GCHP_14.0.0-rc.3 (Dev)
c24



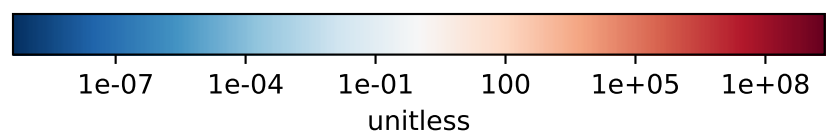
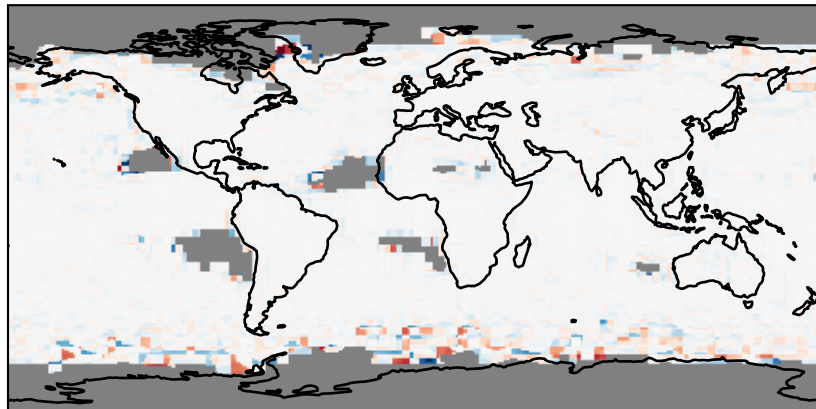
Difference (1x1.25)
Dev - Ref, Dynamic Range



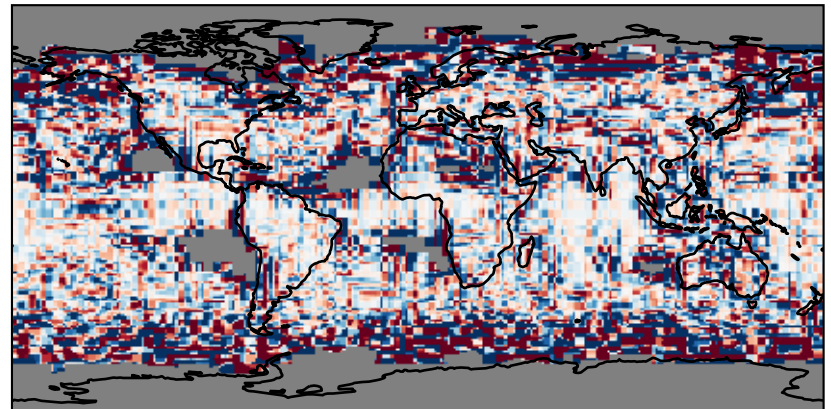
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

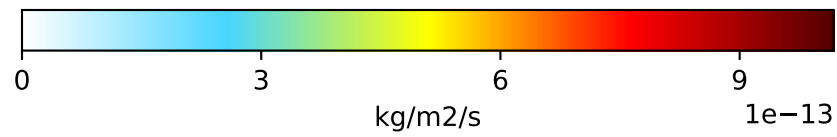
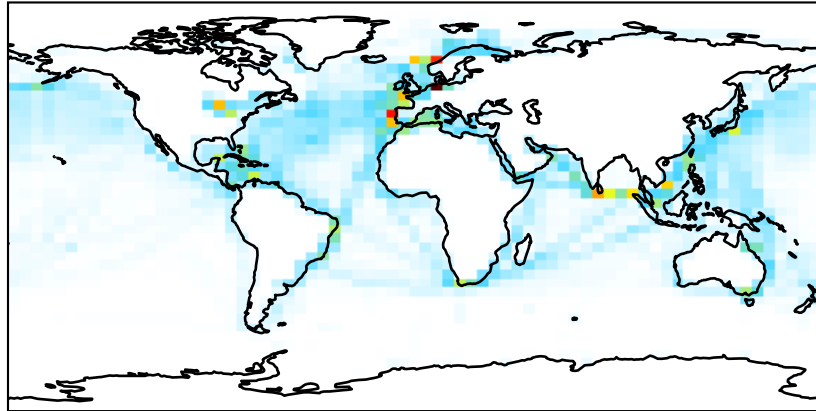


Ratio (1x1.25)
Dev/Ref, Fixed Range

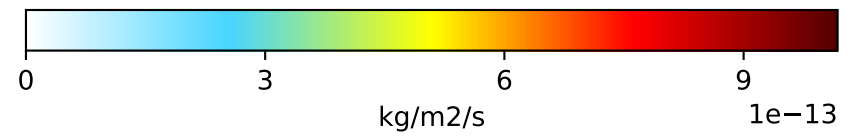
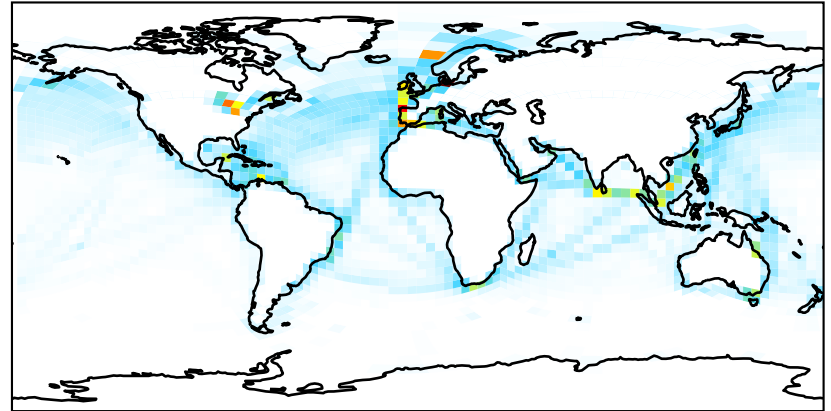


EmisNO_Ship (Apr2019)

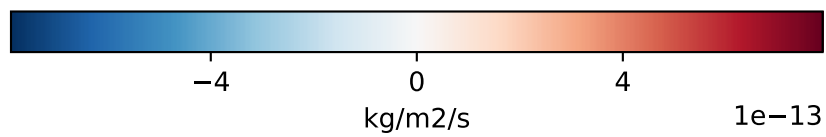
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



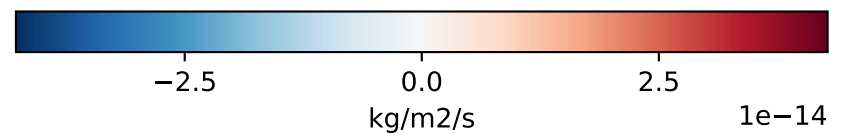
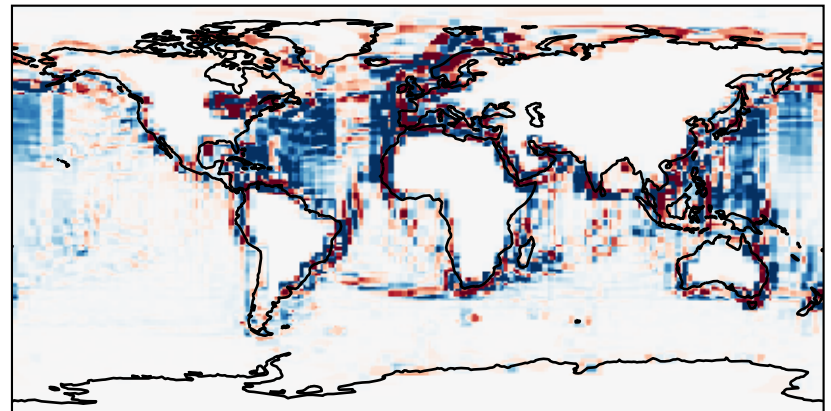
GCHP_14.0.0-rc.3 (Dev)
c24



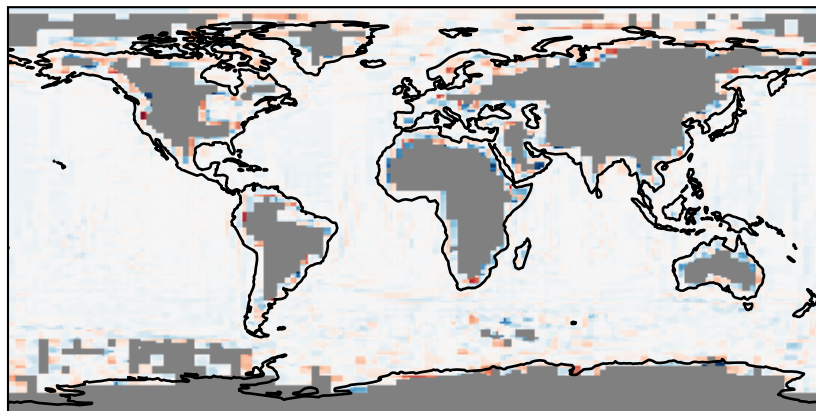
Difference (1x1.25)
Dev - Ref, Dynamic Range



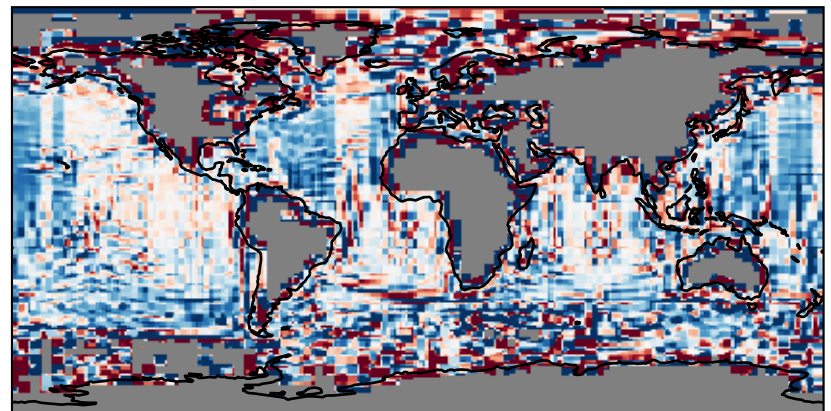
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

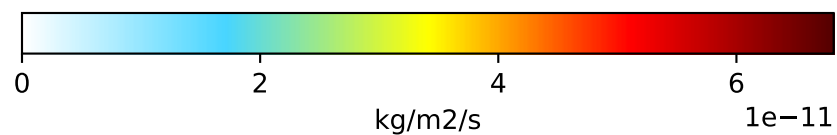
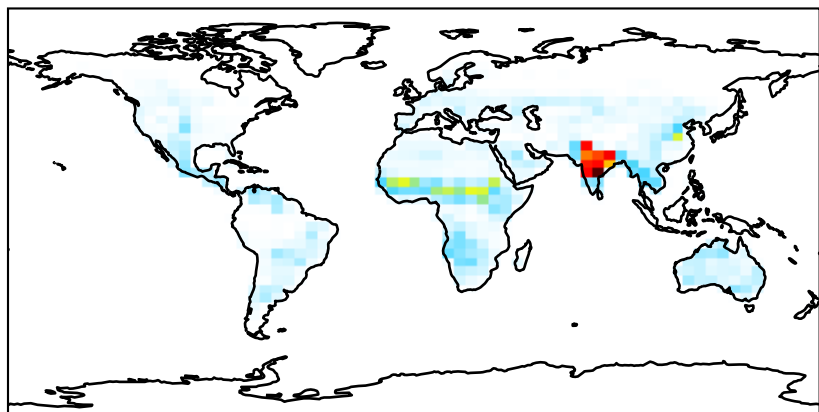


Ratio (1x1.25)
Dev/Ref, Fixed Range

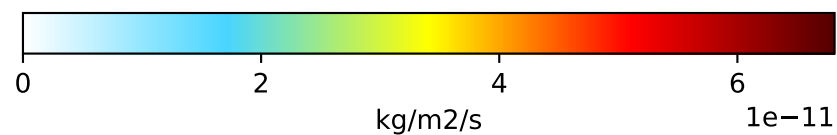
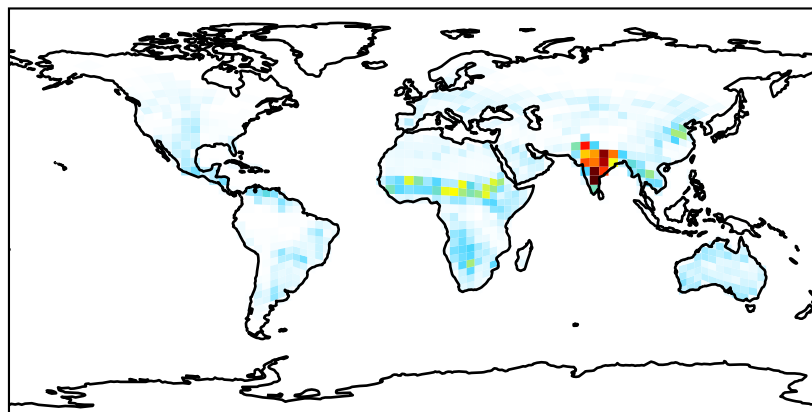


EmisNO_Soil (Apr2019)

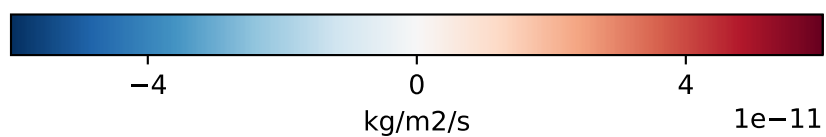
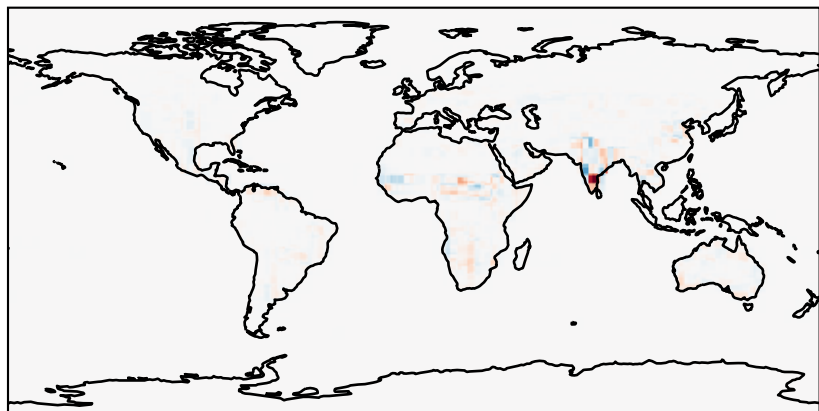
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



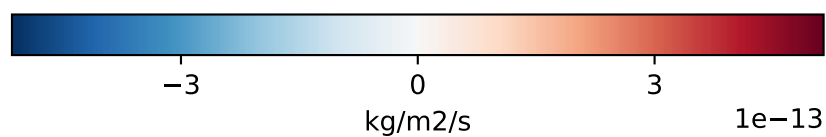
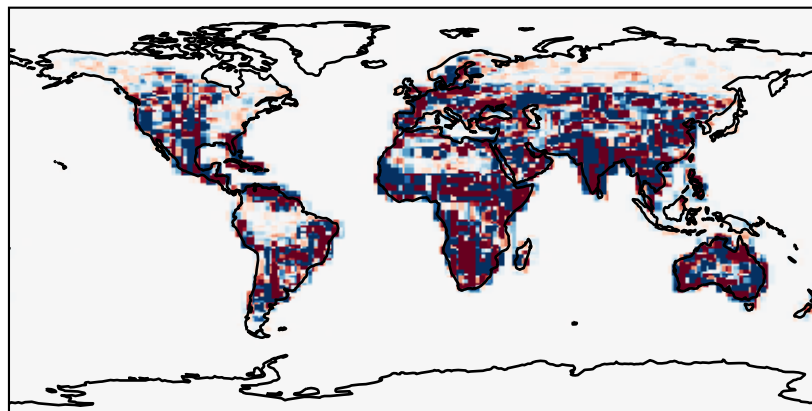
GCHP_14.0.0-rc.3 (Dev)
c24



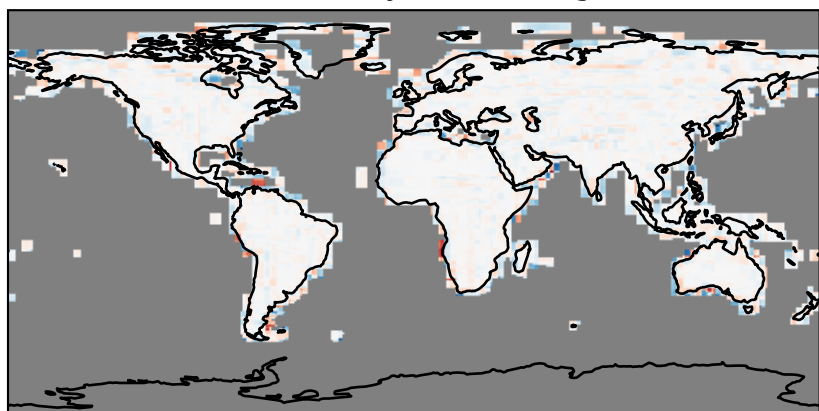
Difference (1x1.25)
Dev - Ref, Dynamic Range



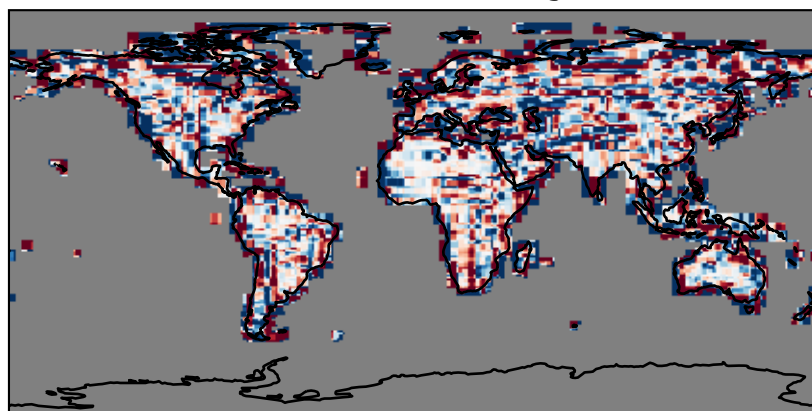
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

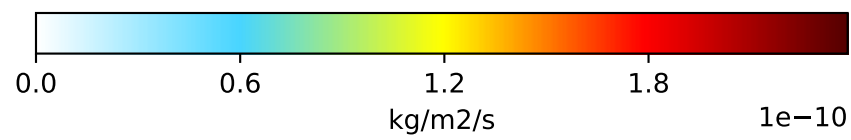
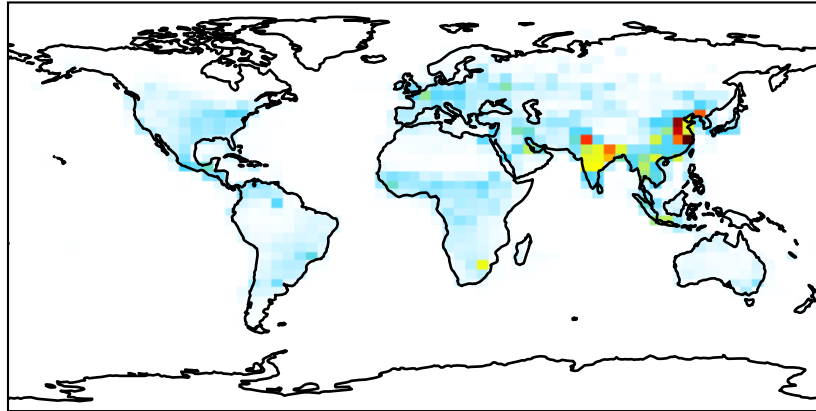


Ratio (1x1.25)
Dev/Ref, Fixed Range

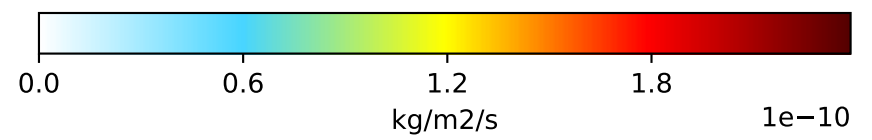
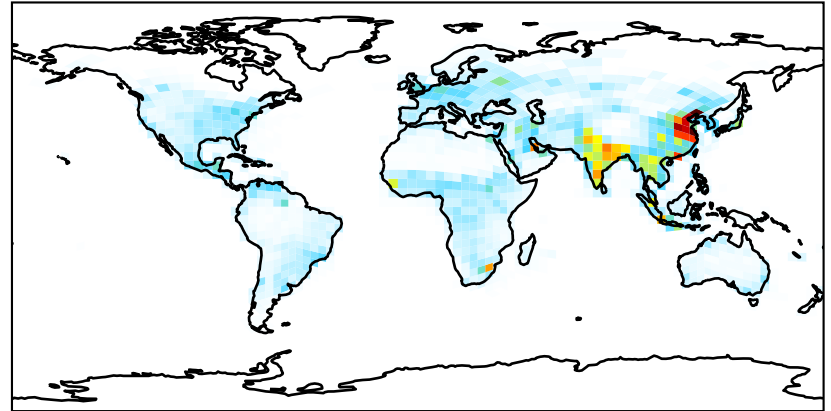


EmisNO_Total (Apr2019)

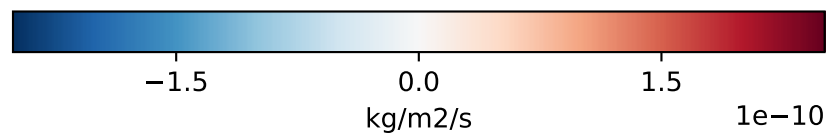
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



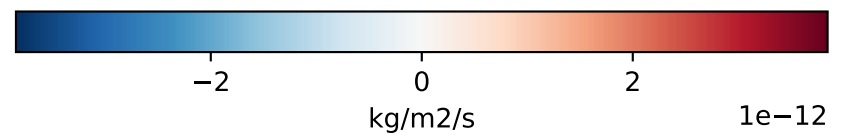
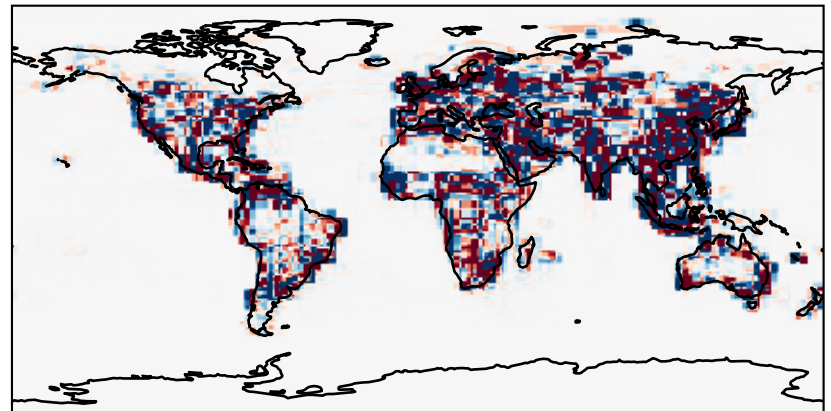
GCHP_14.0.0-rc.3 (Dev)
c24



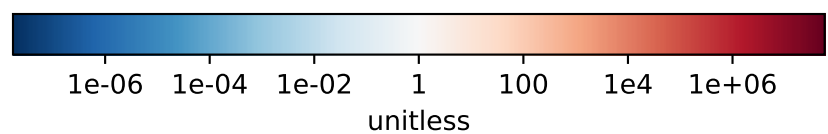
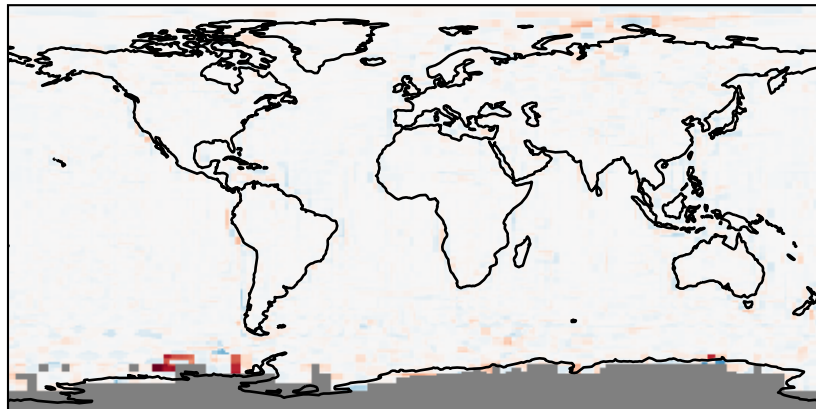
Difference (1x1.25)
Dev - Ref, Dynamic Range



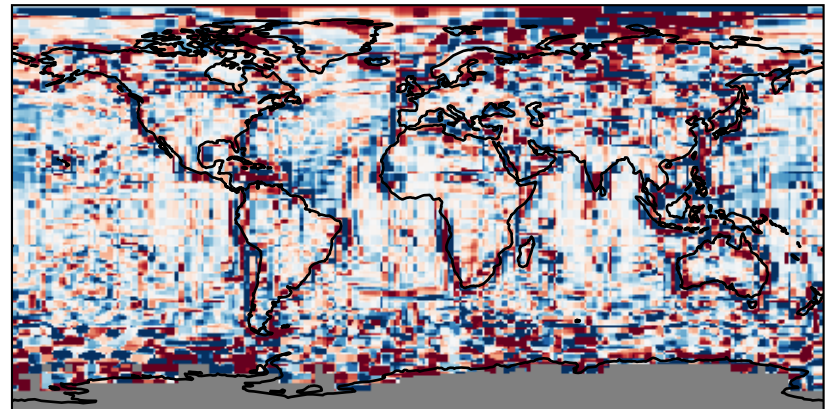
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

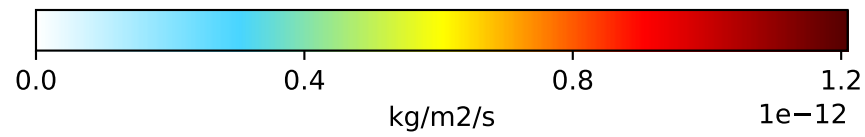
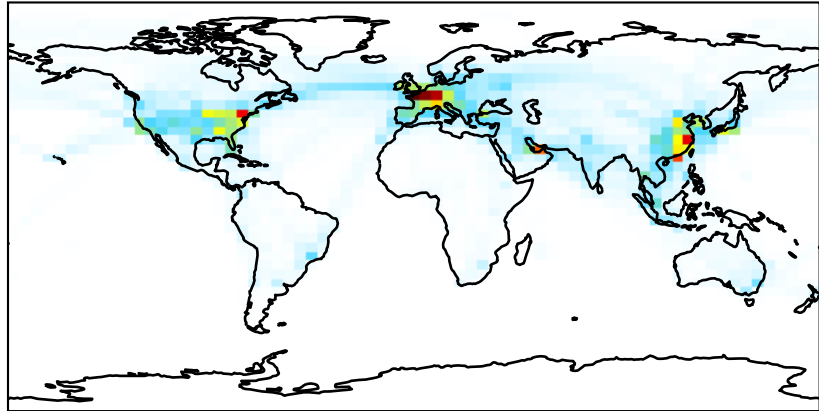


Ratio (1x1.25)
Dev/Ref, Fixed Range

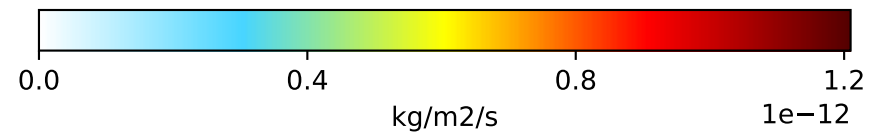
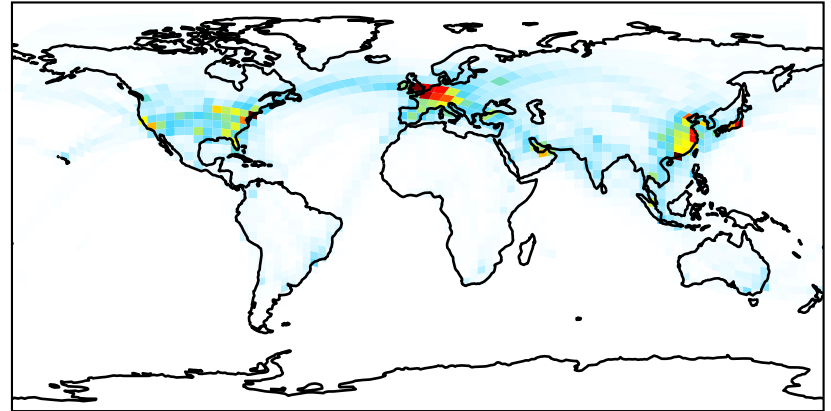


EmisNO2_Aircraft (Apr2019)

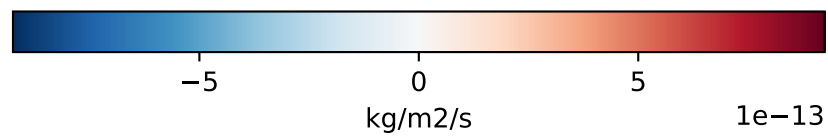
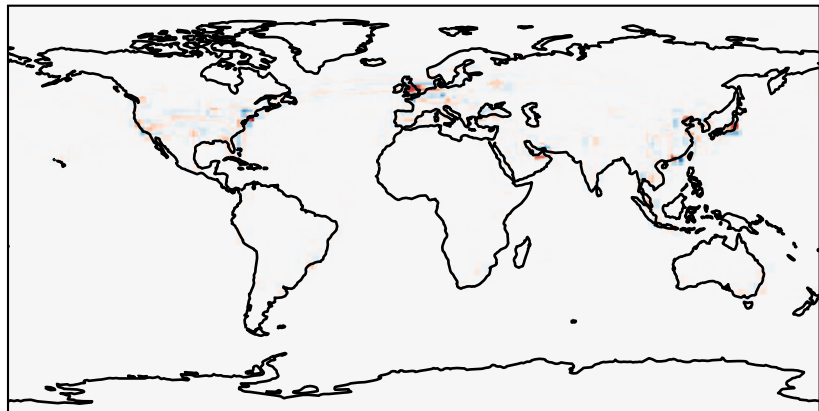
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



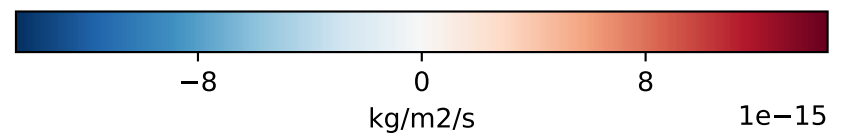
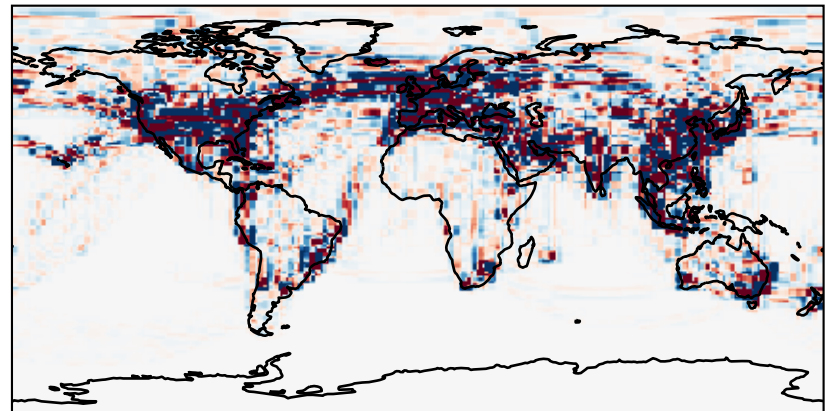
GCHP_14.0.0-rc.3 (Dev)
c24



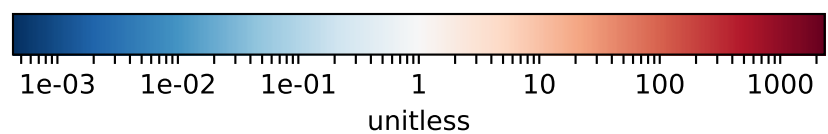
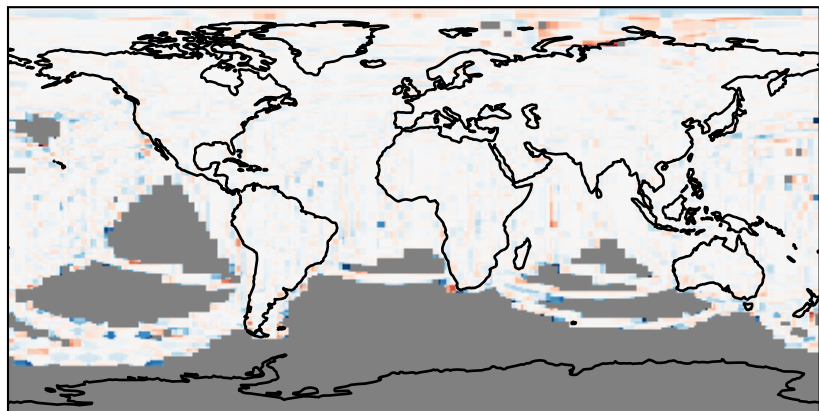
Difference (1x1.25)
Dev - Ref, Dynamic Range



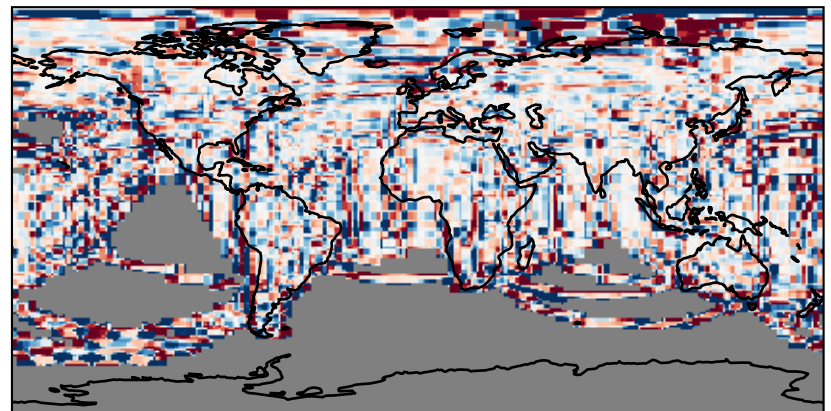
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

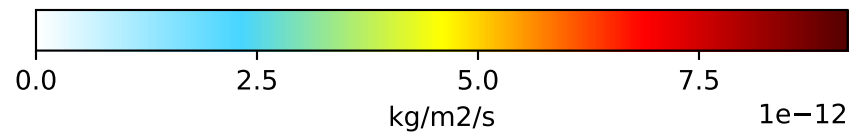
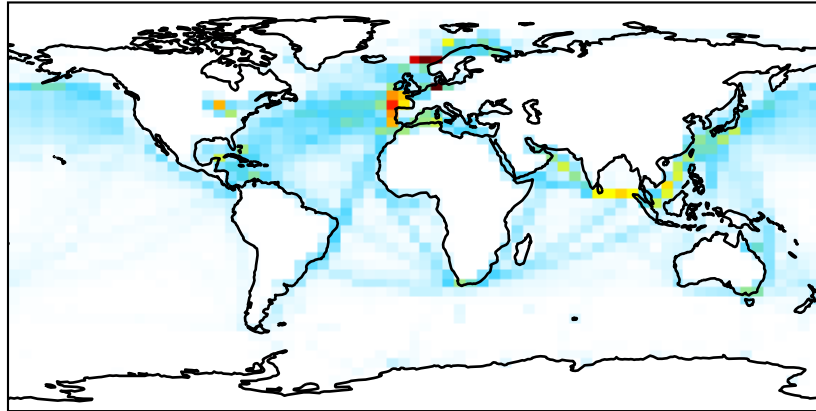


Ratio (1x1.25)
Dev/Ref, Fixed Range

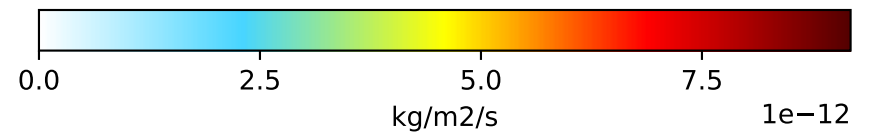
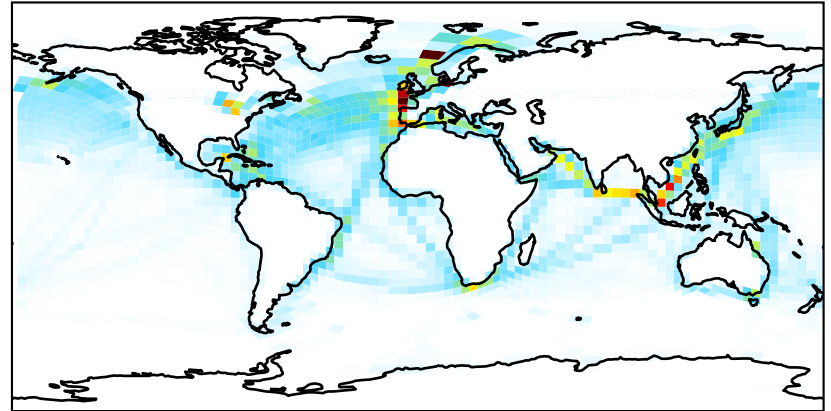


EmisNO2_Ship (Apr2019)

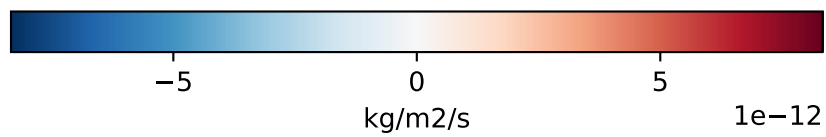
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



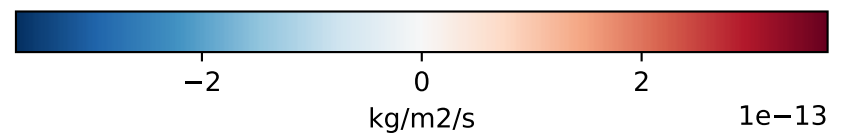
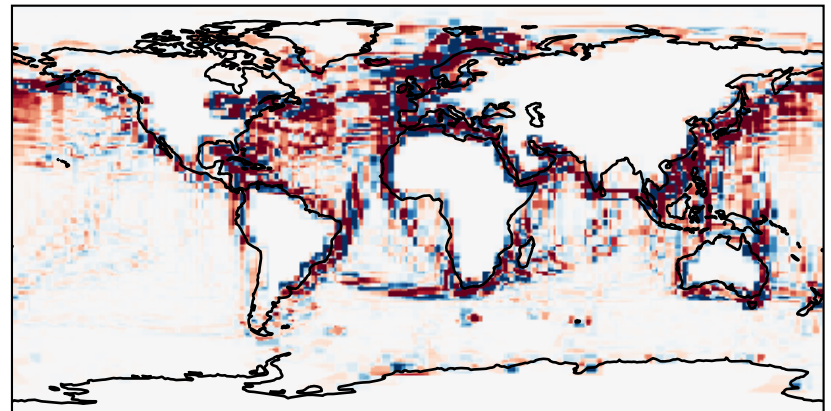
GCHP_14.0.0-rc.3 (Dev)
c24



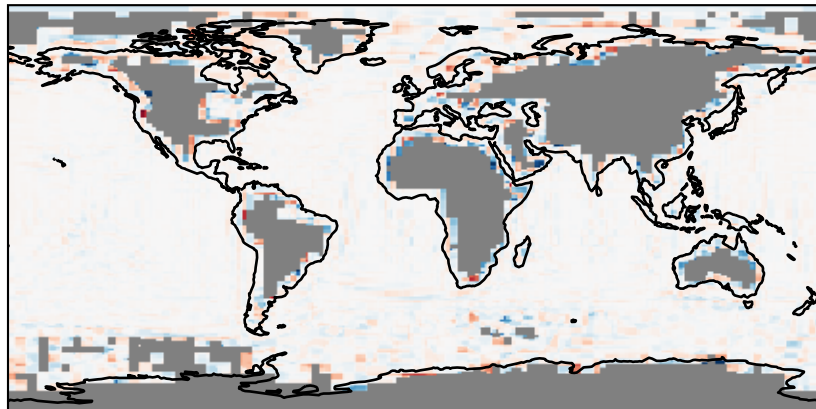
Difference (1x1.25)
Dev - Ref, Dynamic Range



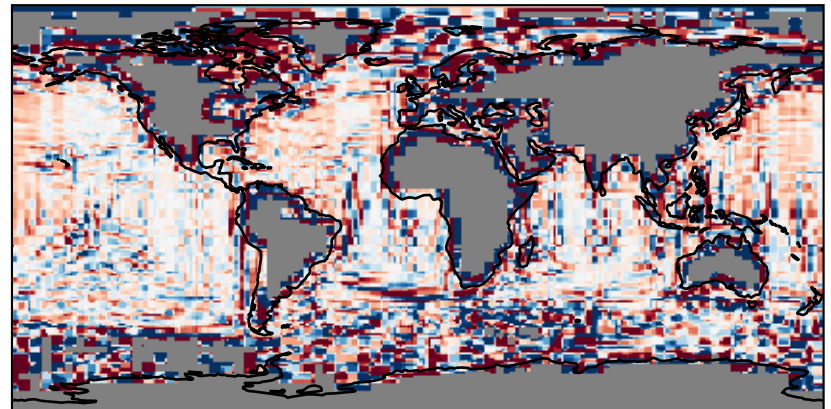
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

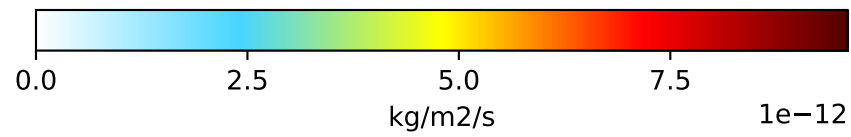
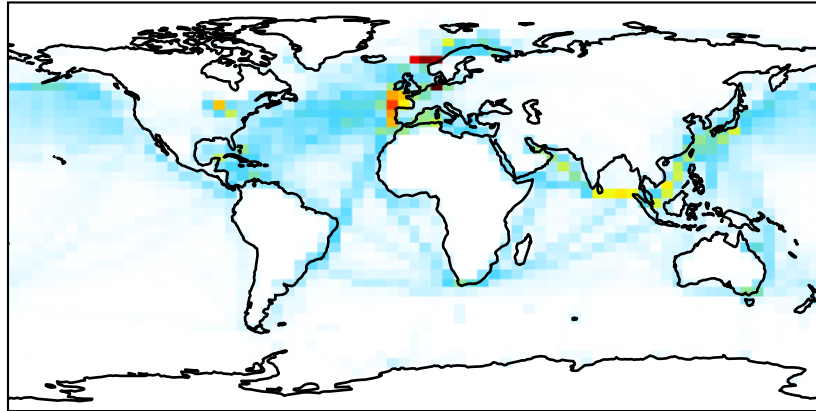


Ratio (1x1.25)
Dev/Ref, Fixed Range

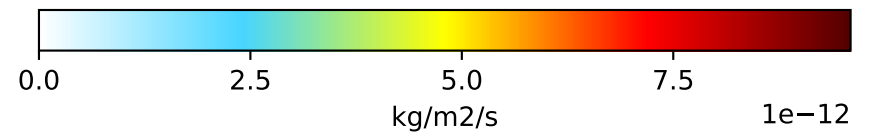
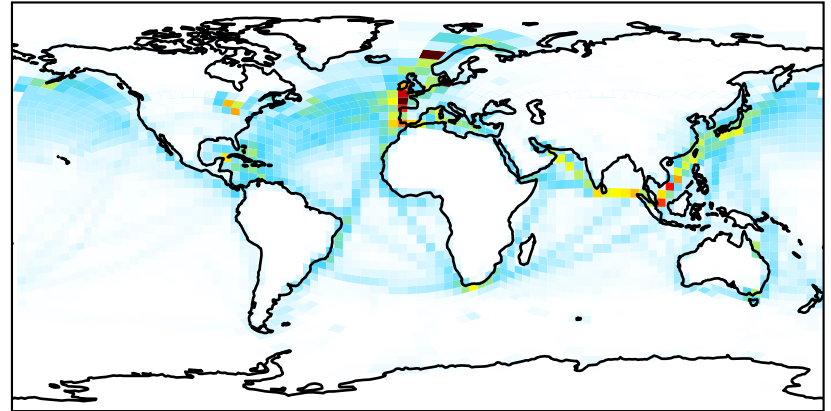


EmisNO2_Total (Apr2019)

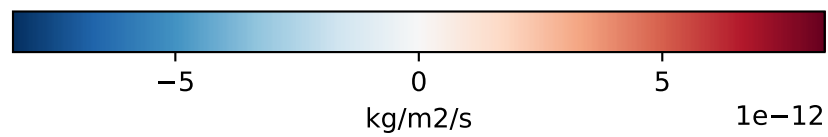
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



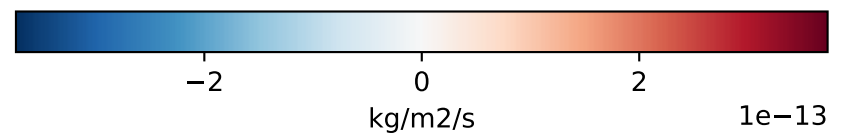
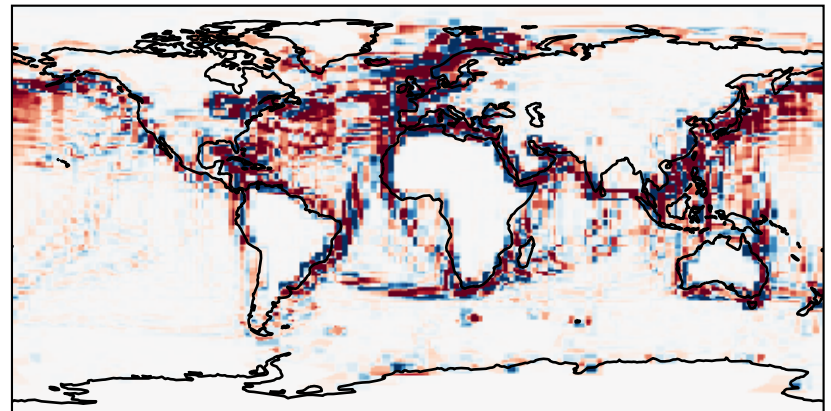
GCHP_14.0.0-rc.3 (Dev)
c24



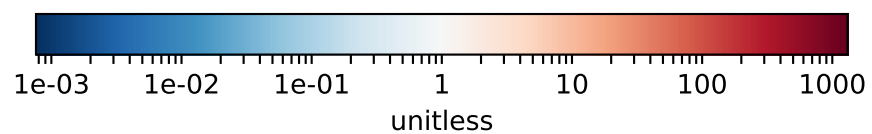
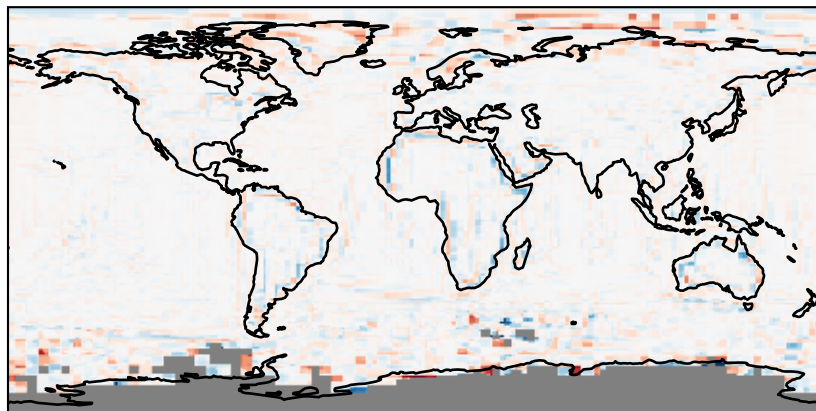
Difference (1x1.25)
Dev - Ref, Dynamic Range



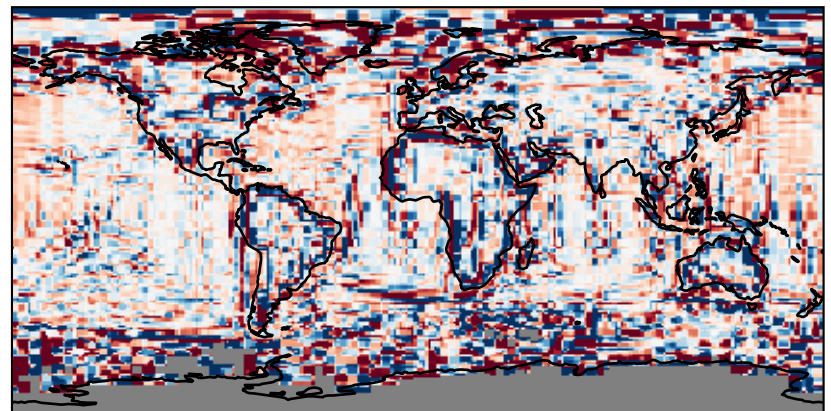
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

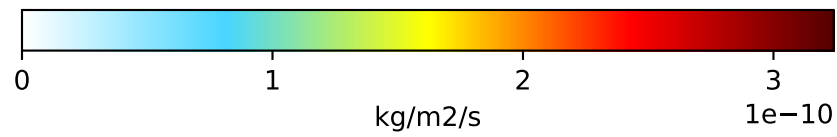
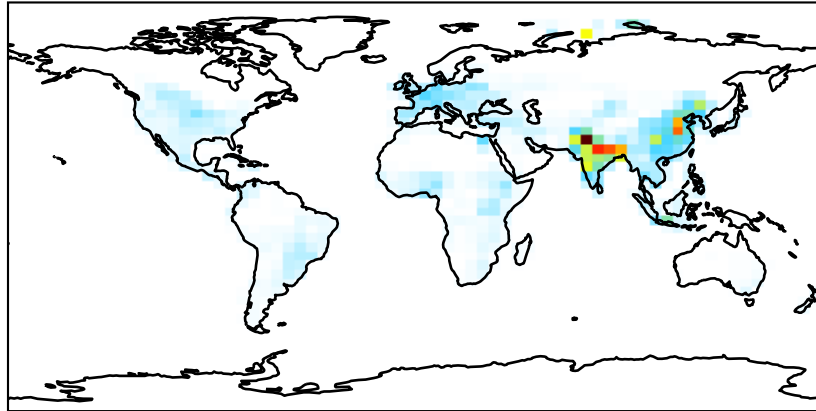


Ratio (1x1.25)
Dev/Ref, Fixed Range

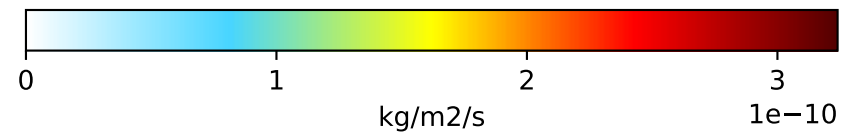
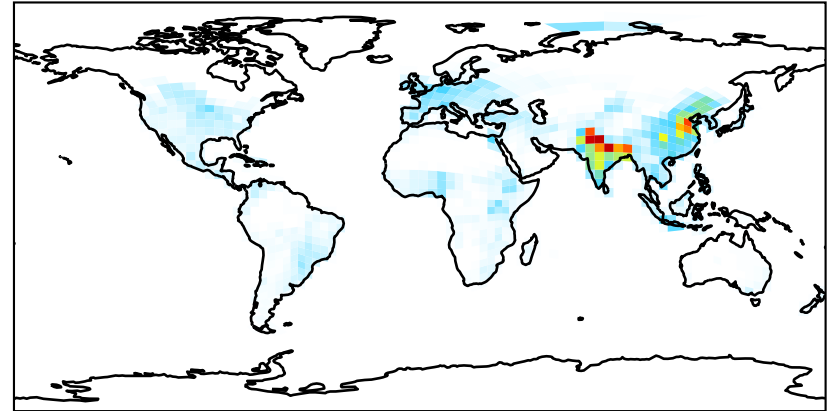


EmisNH3_Anthro (Apr2019)

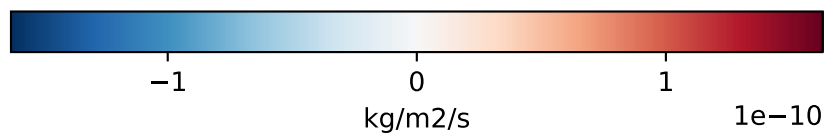
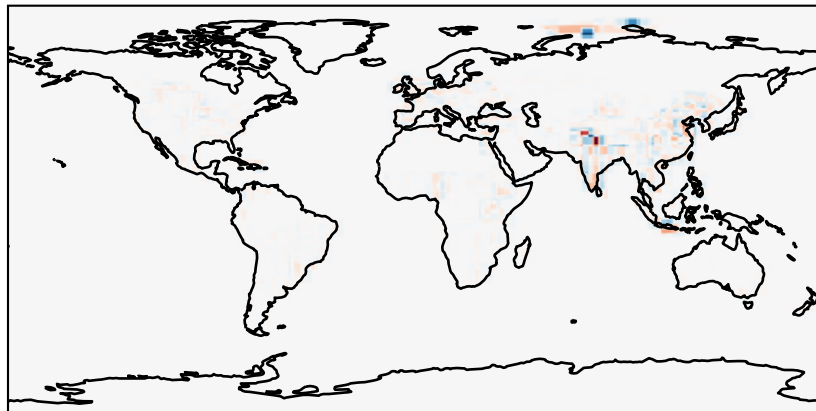
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



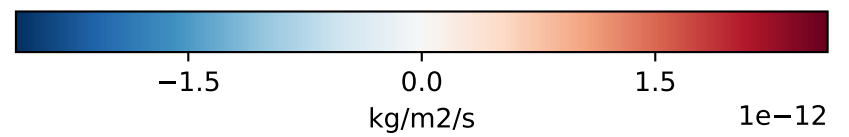
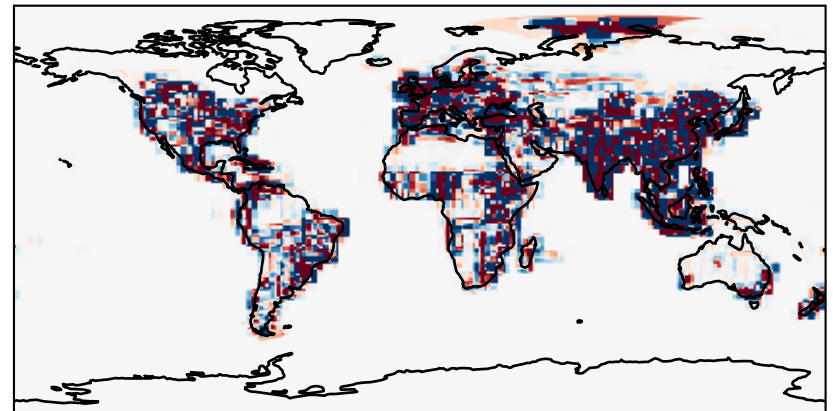
GCHP_14.0.0-rc.3 (Dev)
c24



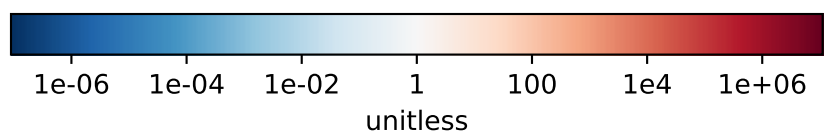
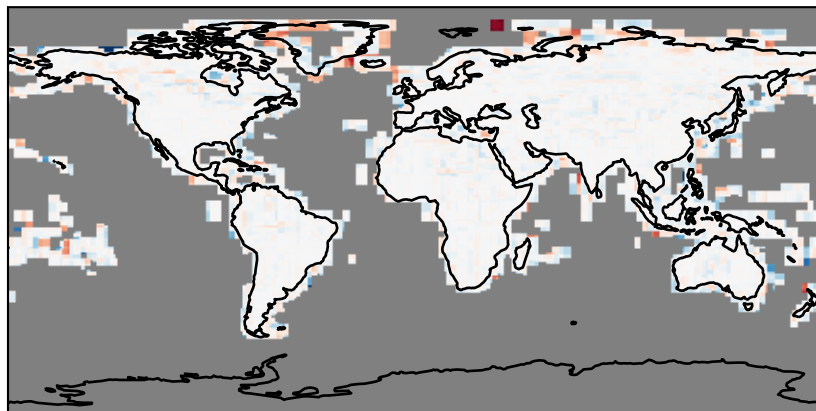
Difference (1x1.25)
Dev - Ref, Dynamic Range



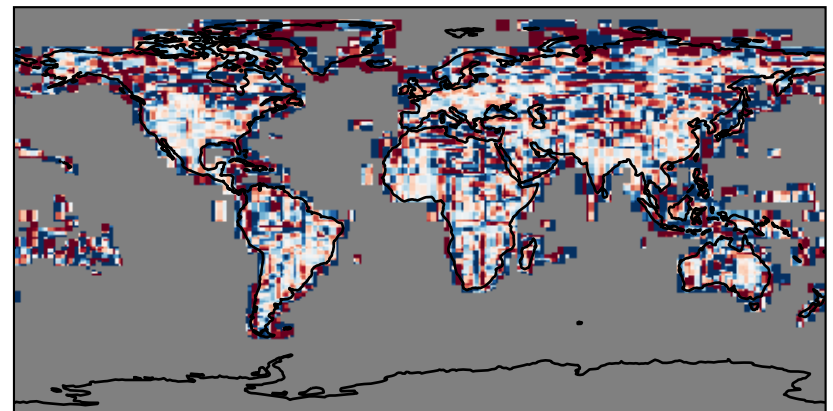
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

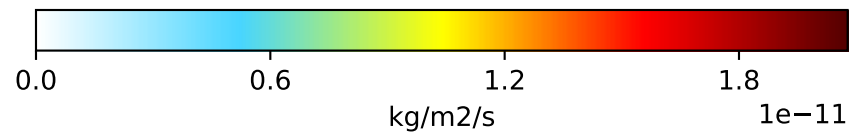
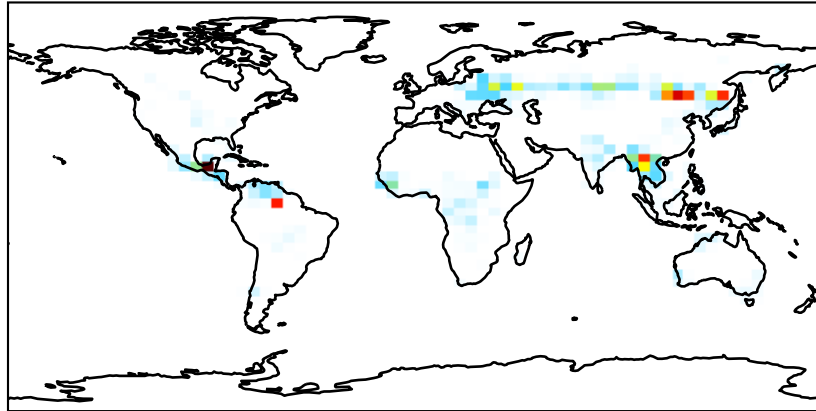


Ratio (1x1.25)
Dev/Ref, Fixed Range

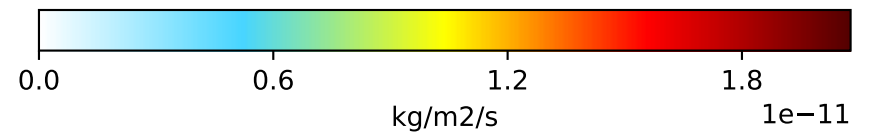
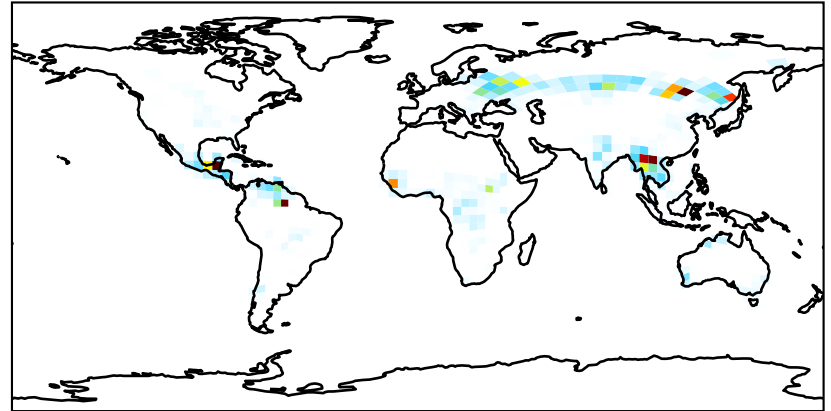


EmisNH3_BioBurn (Apr2019)

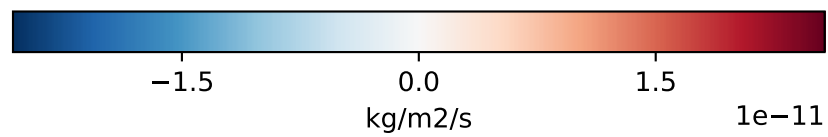
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



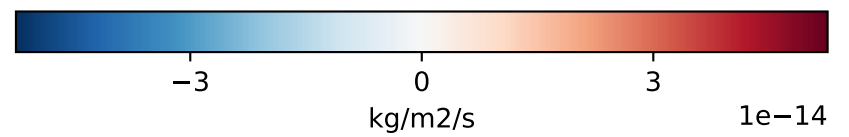
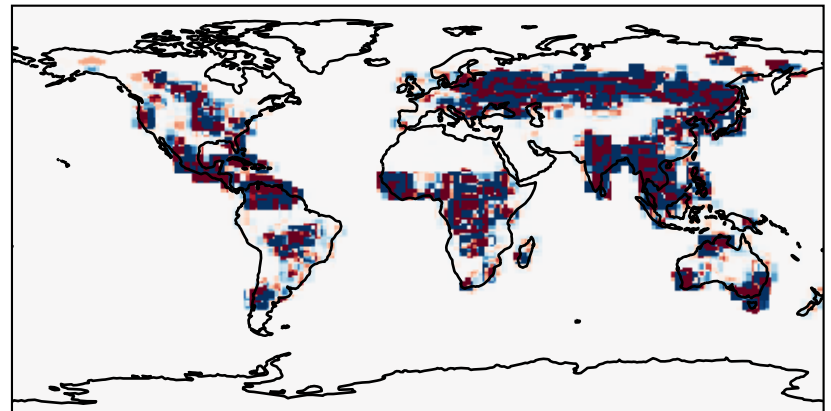
GCHP_14.0.0-rc.3 (Dev)
c24



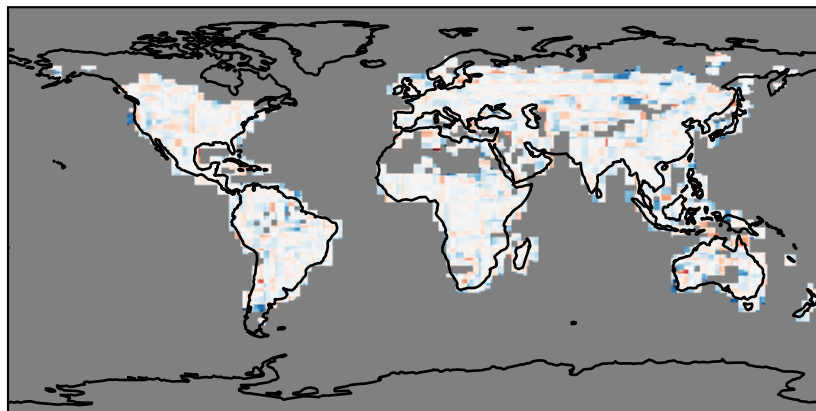
Difference (1x1.25)
Dev - Ref, Dynamic Range



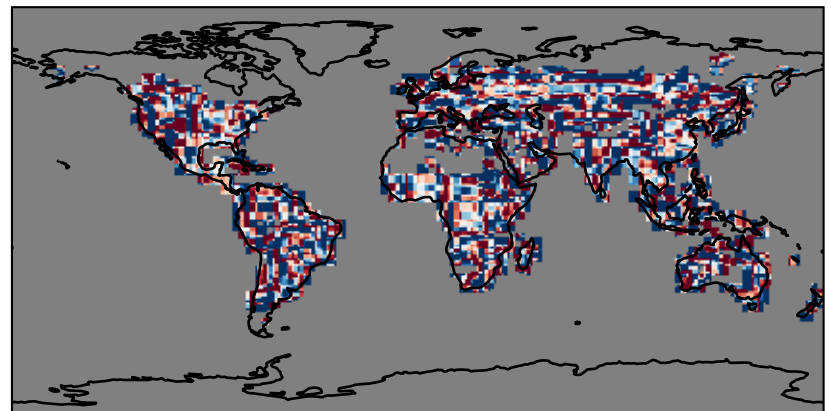
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

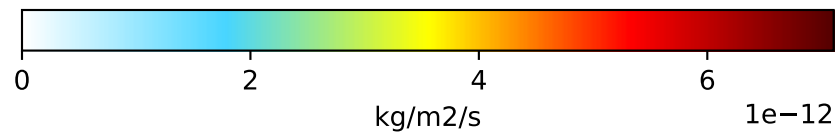
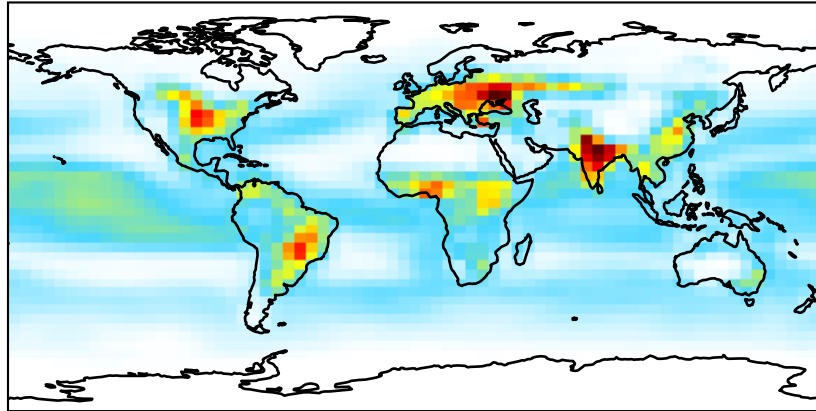


Ratio (1x1.25)
Dev/Ref, Fixed Range

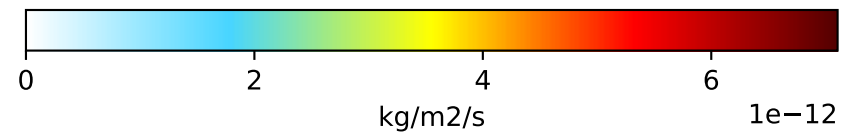
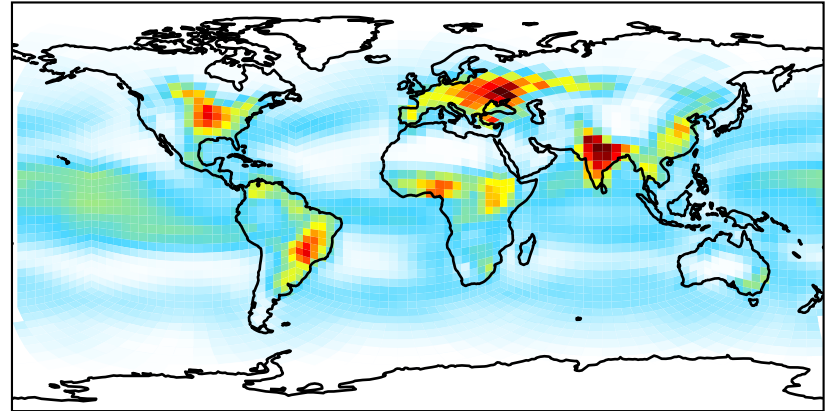


EmisNH3_Natural (Apr2019)

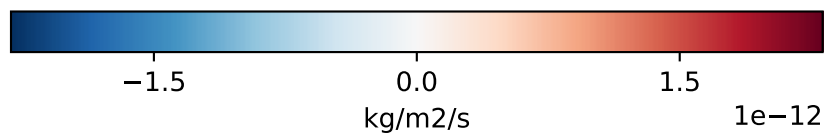
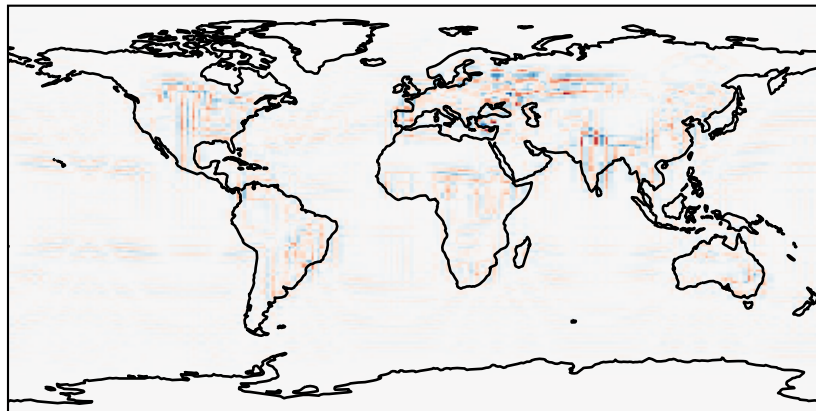
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



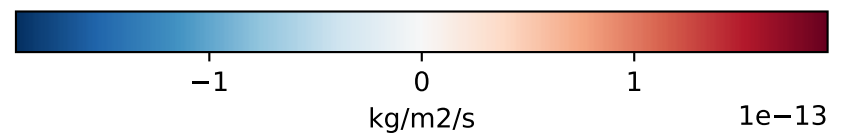
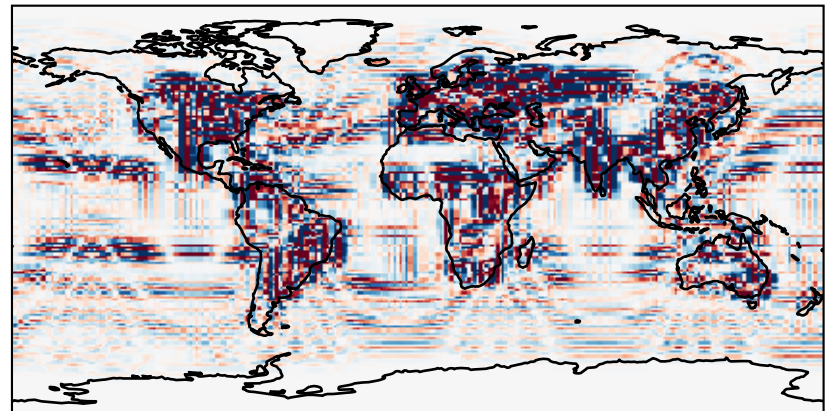
GCHP_14.0.0-rc.3 (Dev)
c24



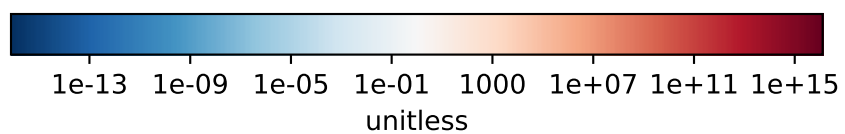
Difference (1x1.25)
Dev - Ref, Dynamic Range



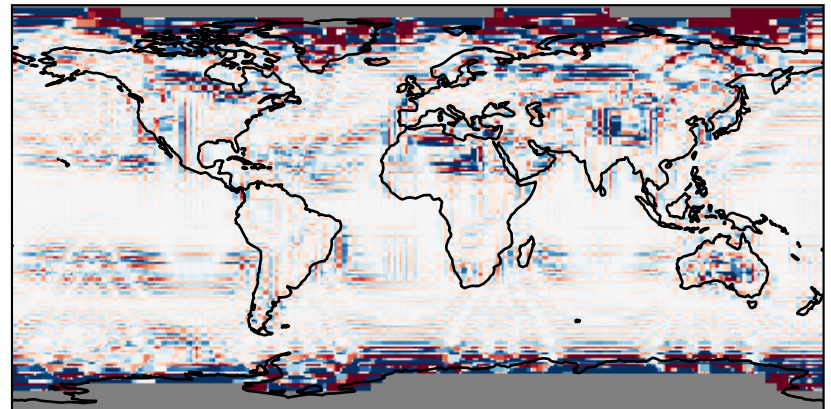
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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



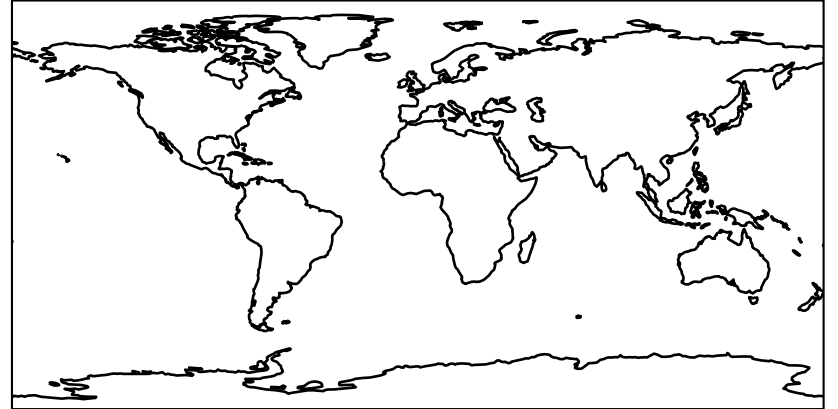
EmisNH3_Seabirds (Apr2019)

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



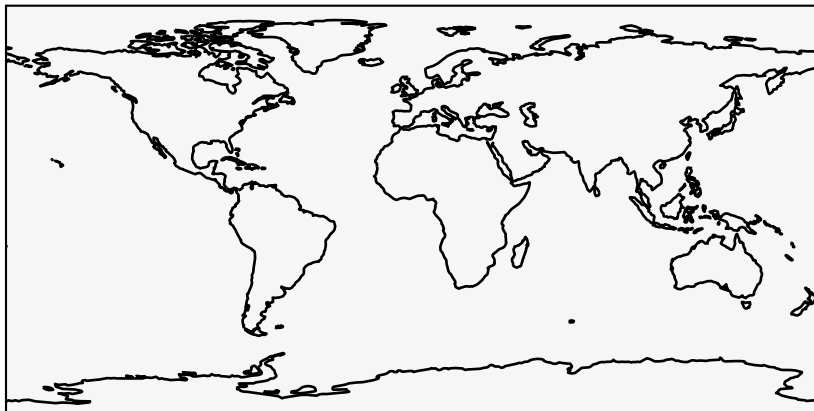
Zero throughout domain
kg/m2/s

GCHP_14.0.0-rc.3 (Dev)
c24



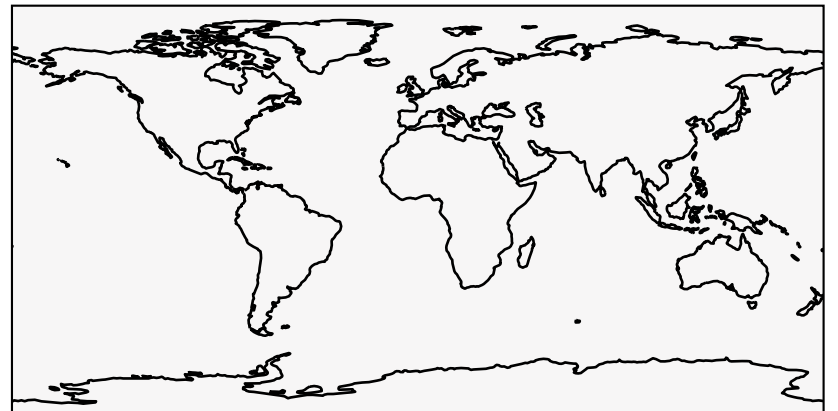
Zero throughout domain
kg/m2/s

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



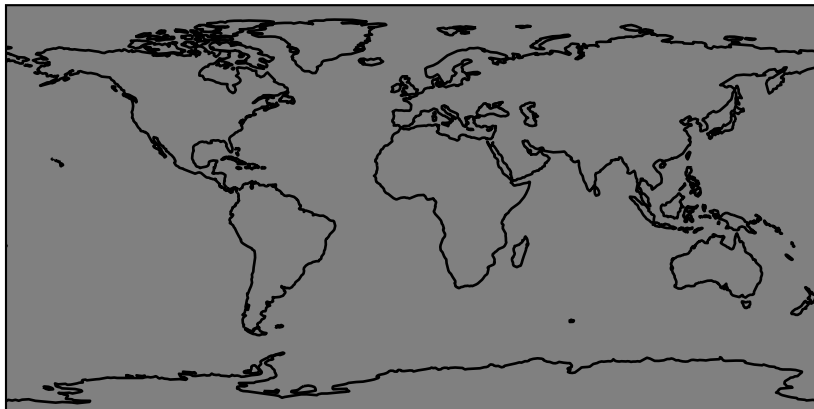
Zero throughout domain
kg/m2/s

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



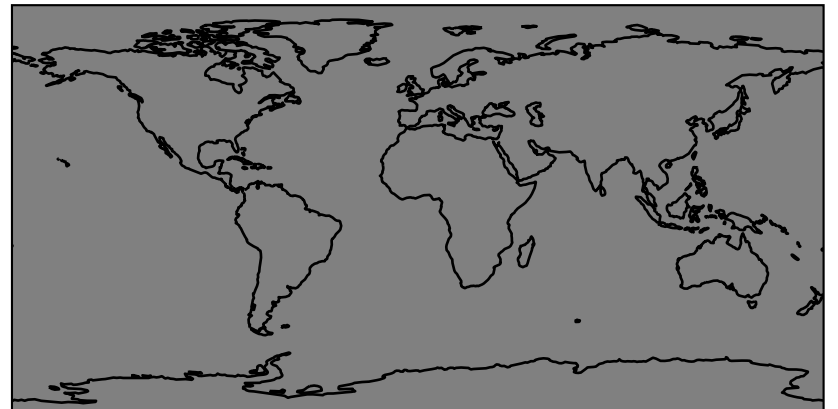
Zero throughout domain
kg/m2/s

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



Undefined throughout domain
unitless

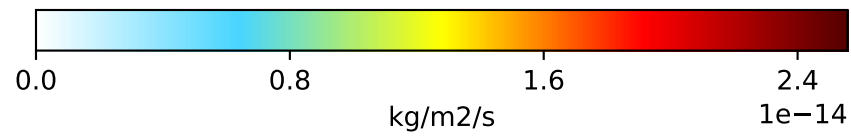
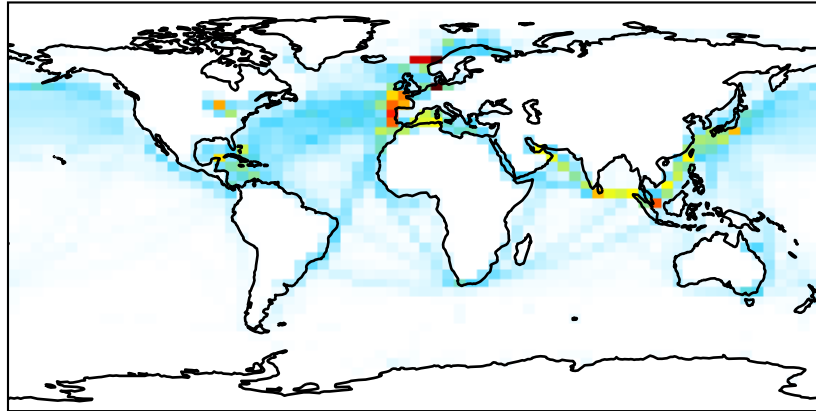
Ratio (1x1.25)
Dev/Ref, Fixed Range



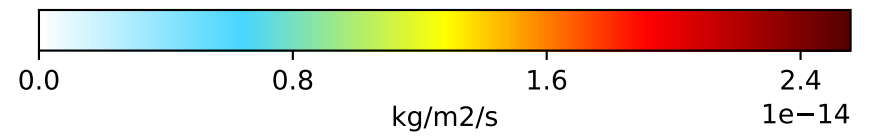
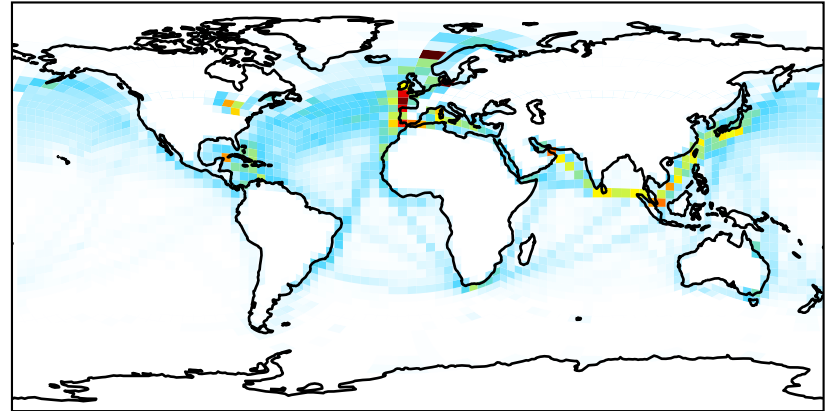
Undefined throughout domain
unitless

EmisNH3_Ship (Apr2019)

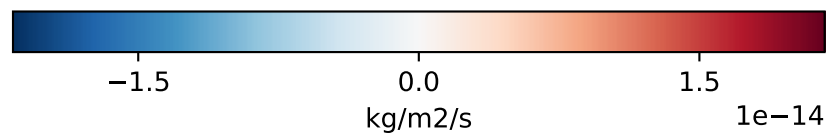
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



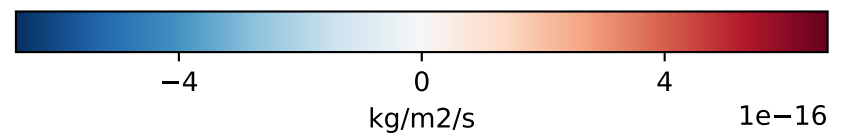
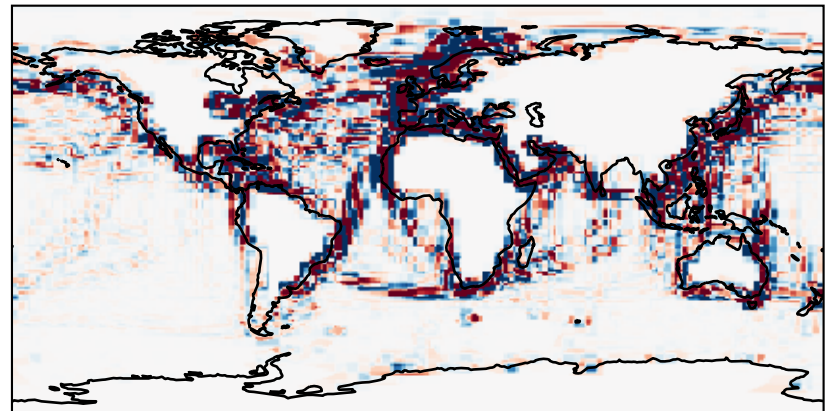
GCHP_14.0.0-rc.3 (Dev)
c24



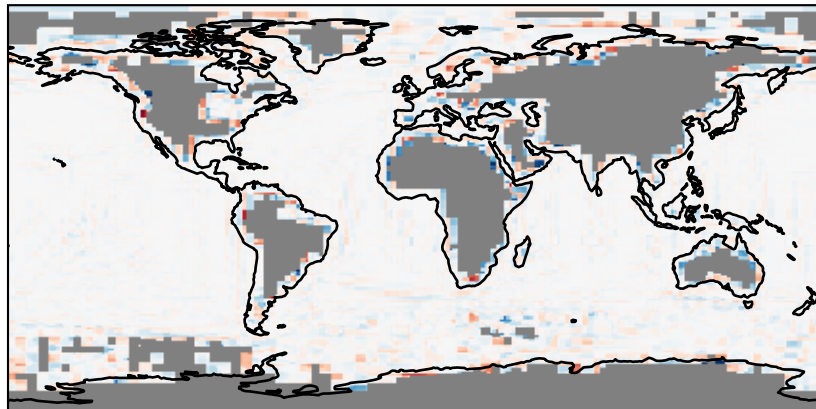
Difference (1x1.25)
Dev - Ref, Dynamic Range



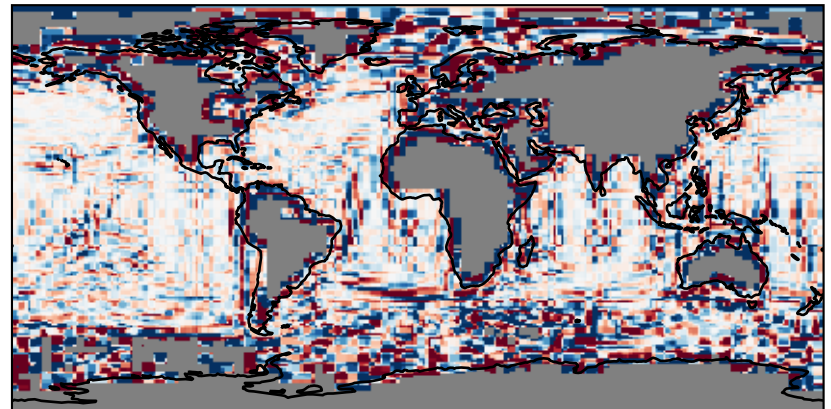
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

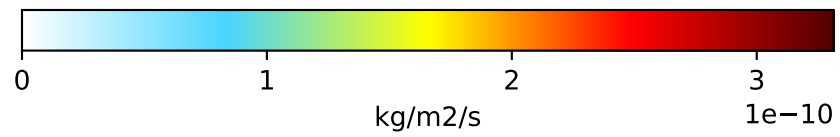
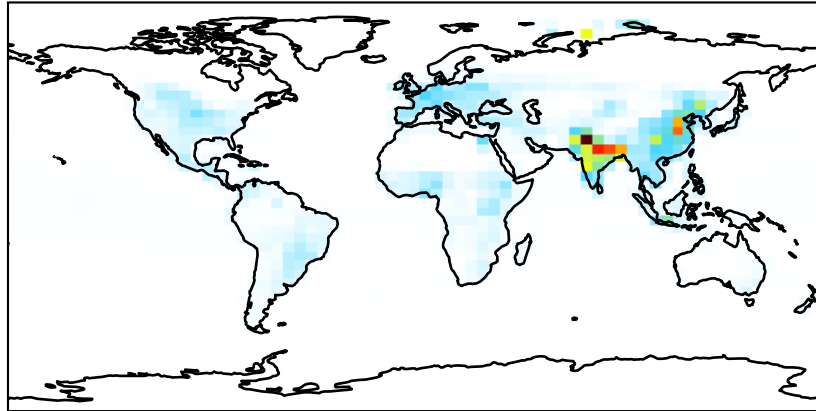


Ratio (1x1.25)
Dev/Ref, Fixed Range

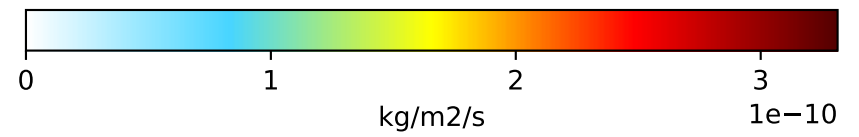
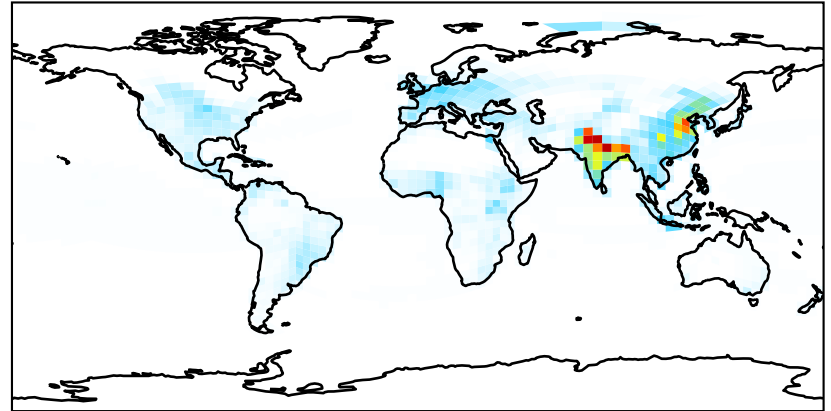


EmisNH3_Total (Apr2019)

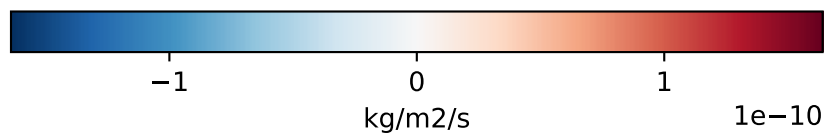
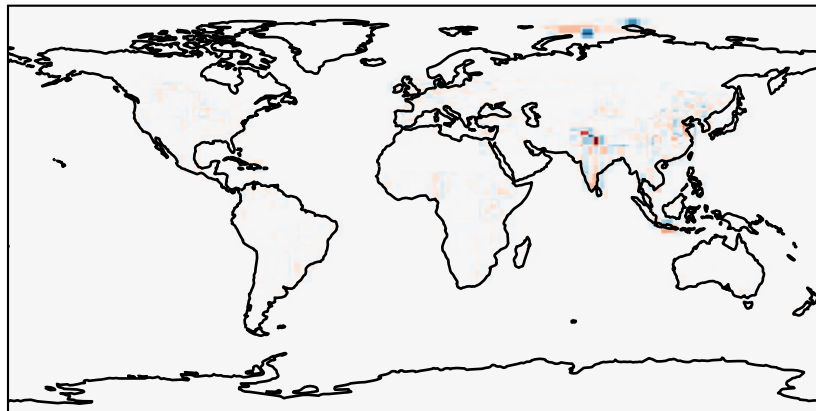
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



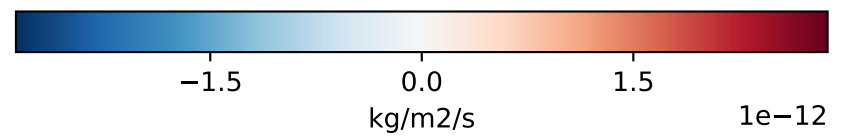
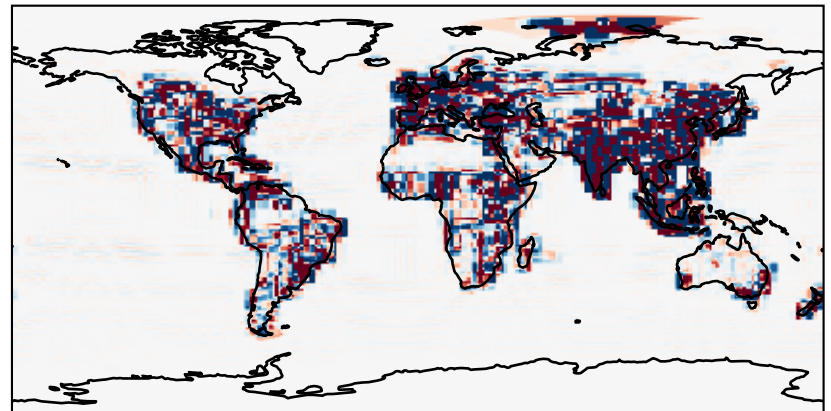
GCHP_14.0.0-rc.3 (Dev)
c24



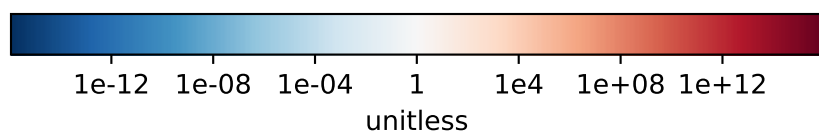
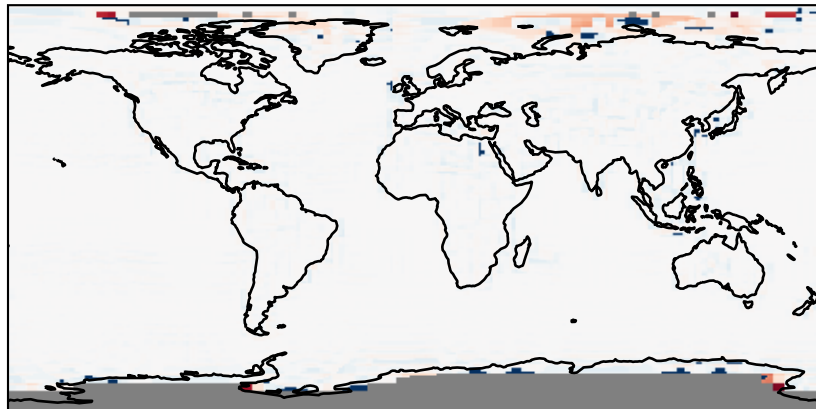
Difference (1x1.25)
Dev - Ref, Dynamic Range



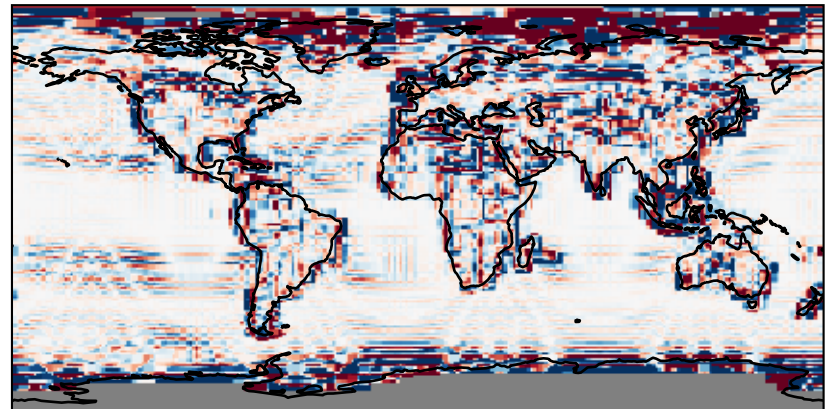
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

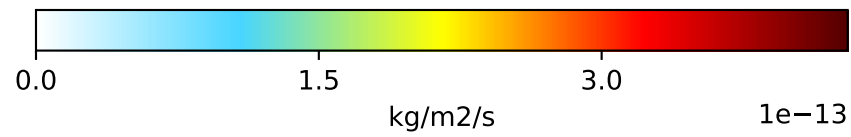
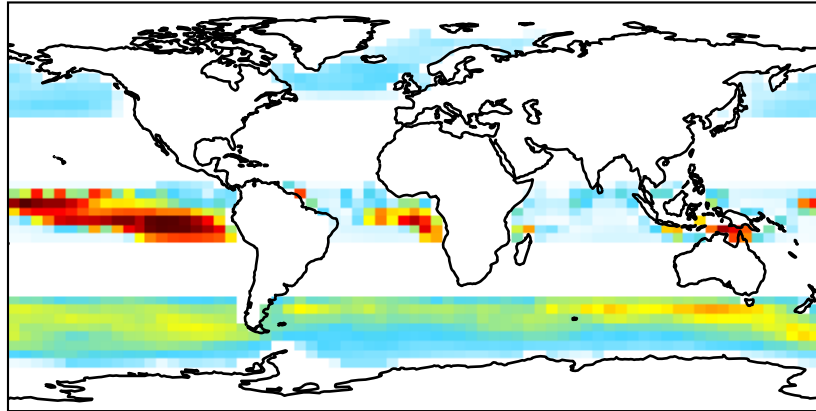


Ratio (1x1.25)
Dev/Ref, Fixed Range

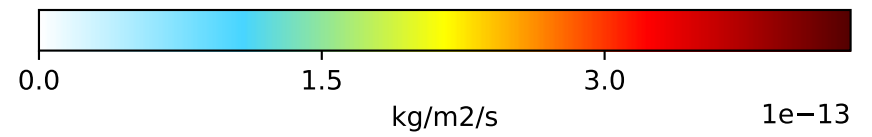
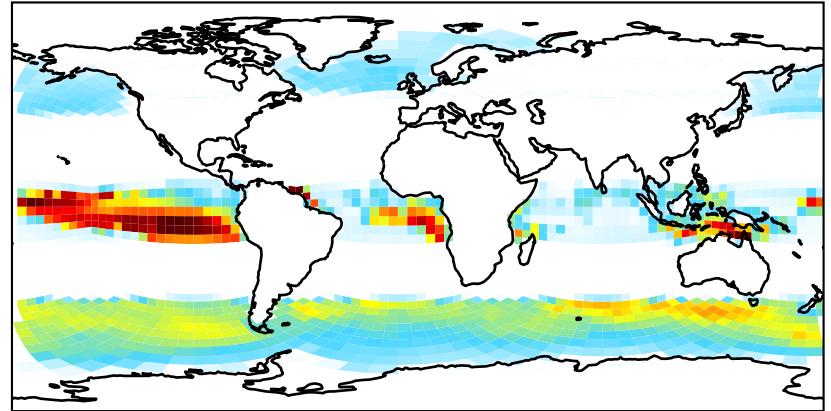


EmisMENO3_Ocean (Apr2019)

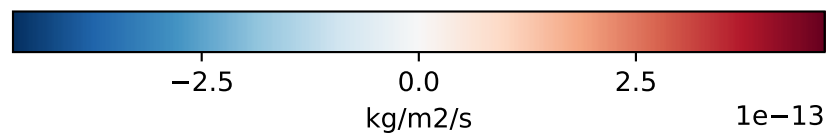
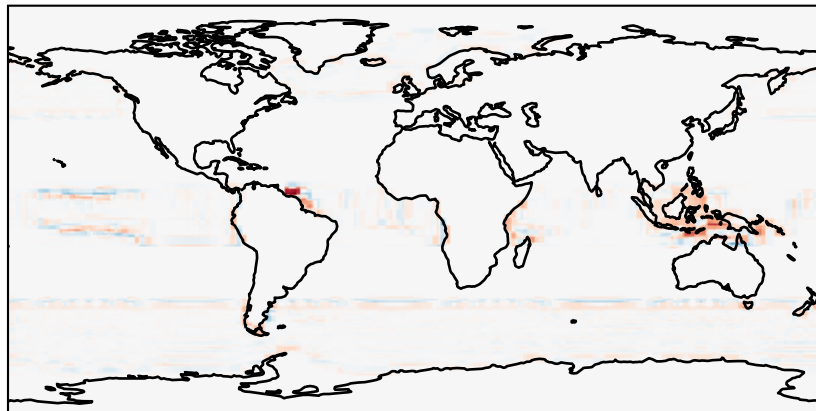
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



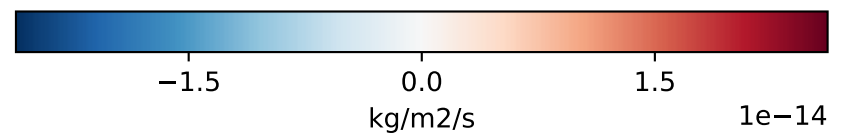
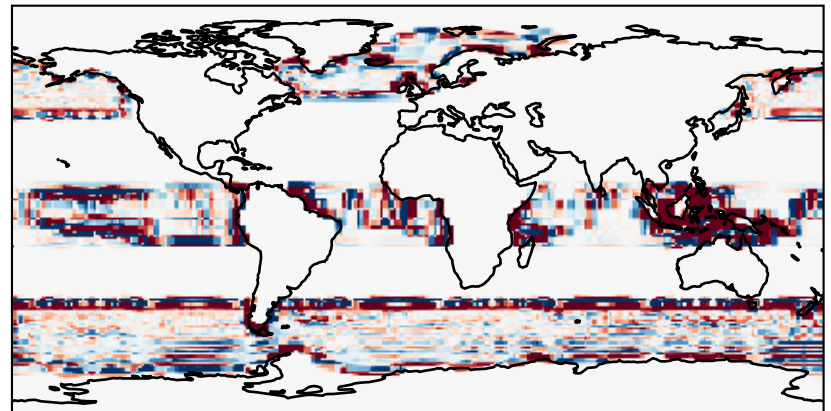
GCHP_14.0.0-rc.3 (Dev)
c24



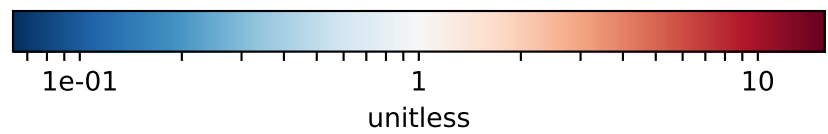
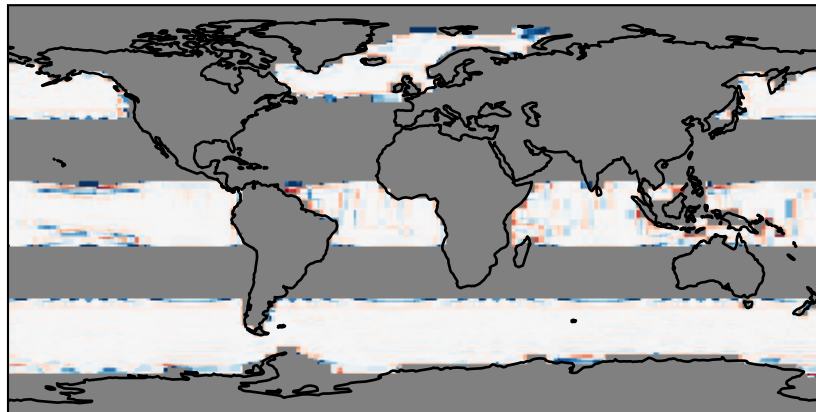
Difference (1x1.25)
Dev - Ref, Dynamic Range



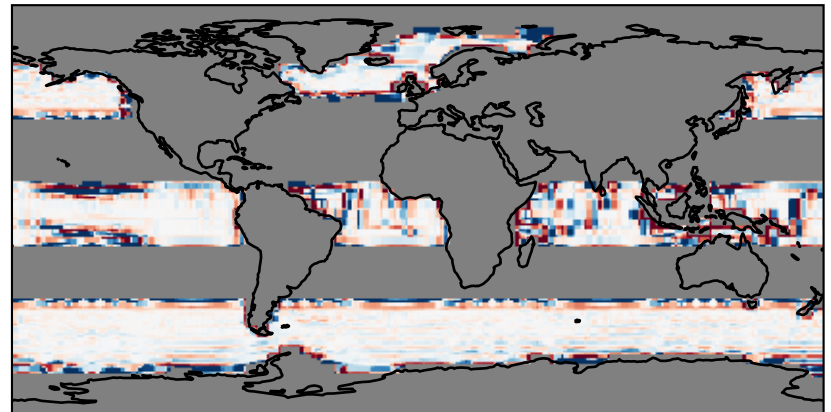
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

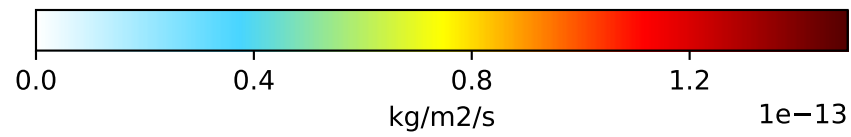
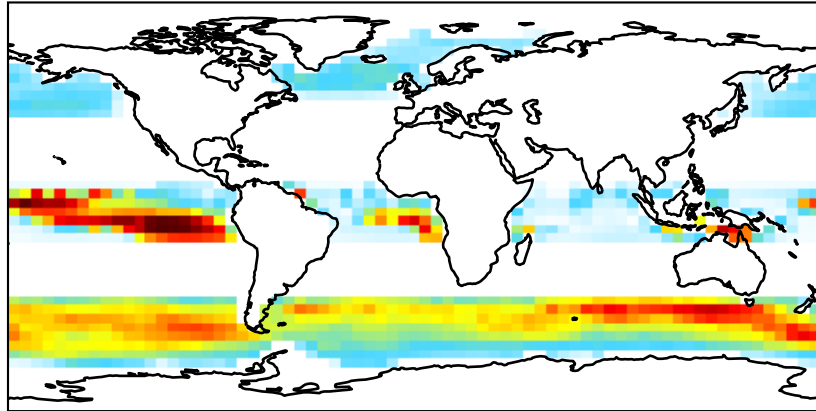


Ratio (1x1.25)
Dev/Ref, Fixed Range

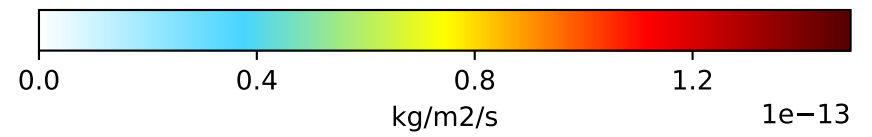
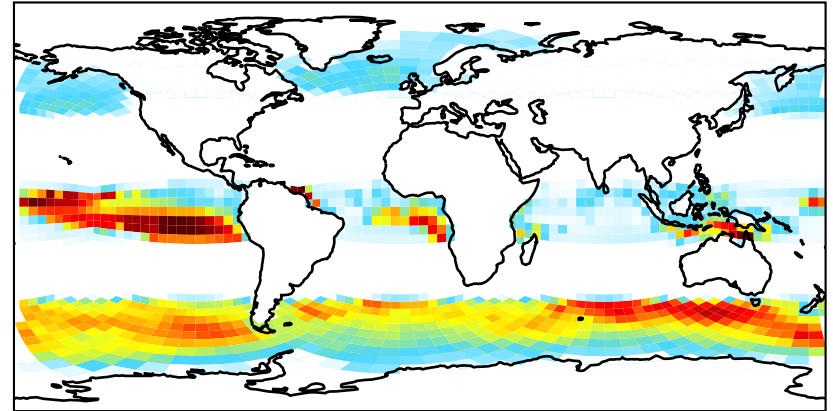


EmisETNO3_Ocean (Apr2019)

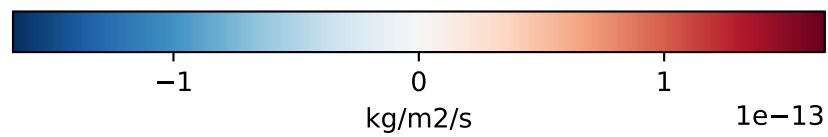
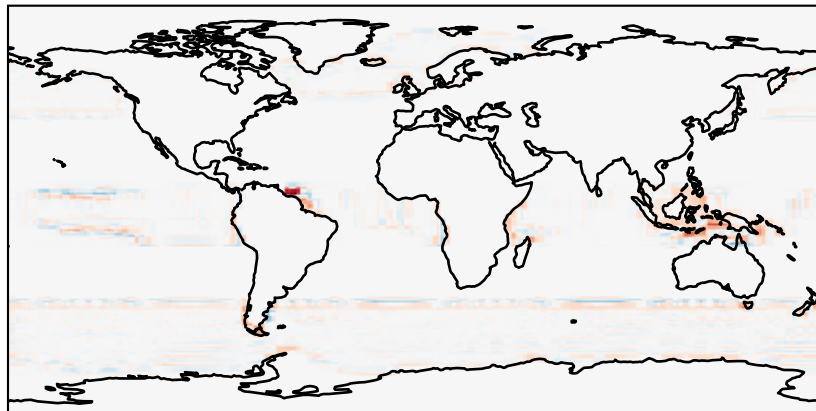
GCC_14.0.0-rc.3 (Ref)
4.0x5.0



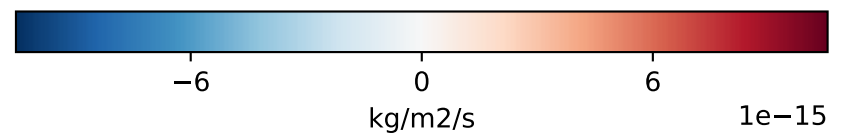
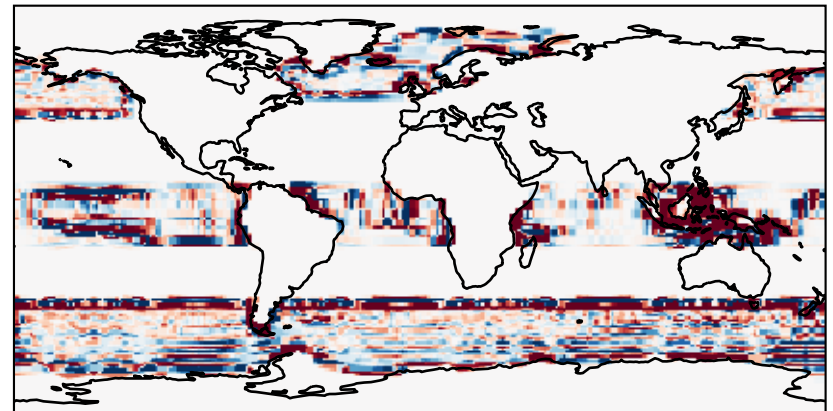
GCHP_14.0.0-rc.3 (Dev)
c24



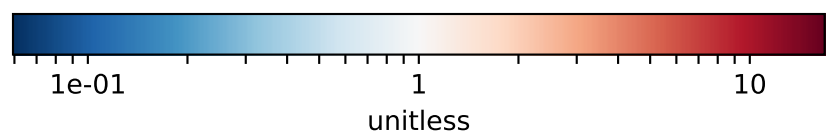
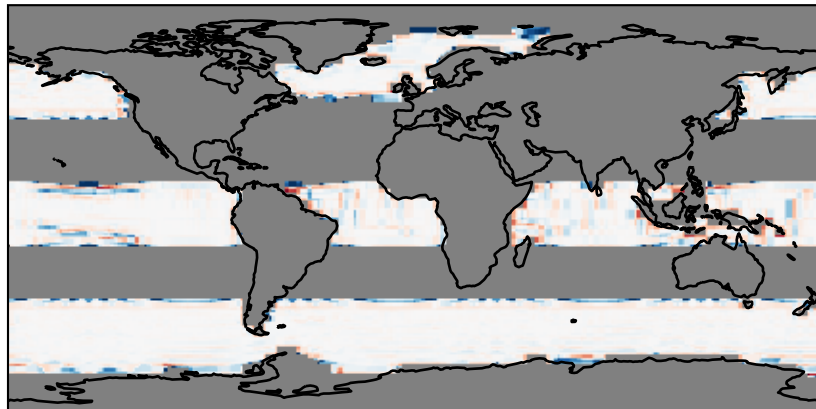
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

