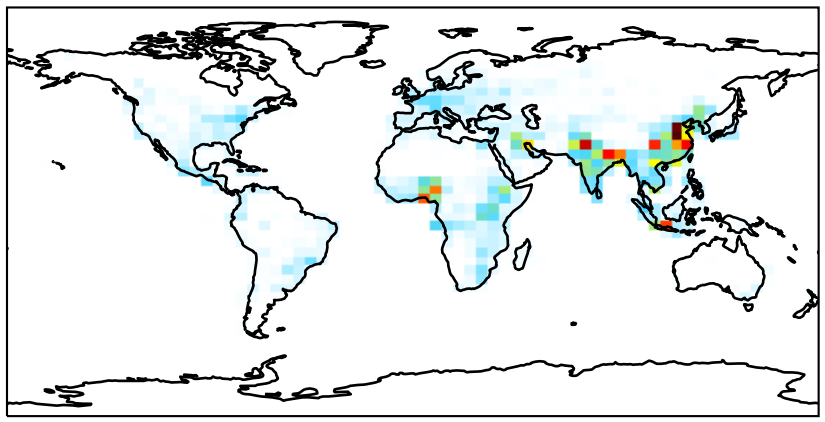
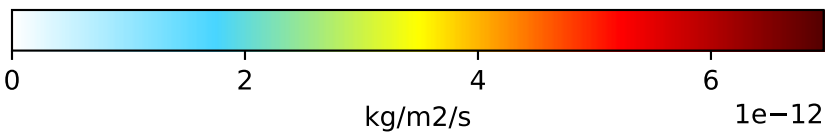
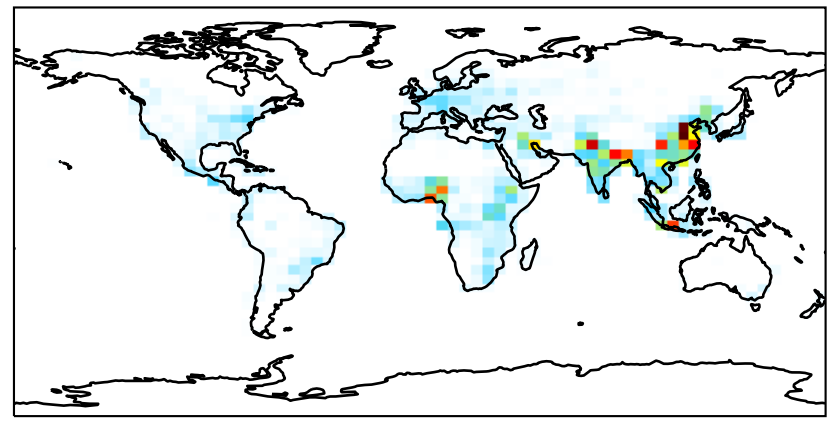
EmisEOH_Anthro (Apr2019)

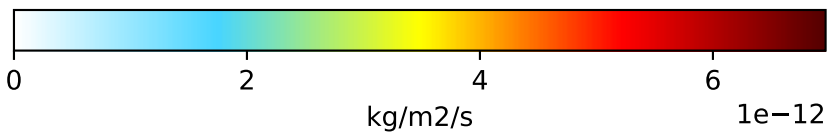
GCC_14.0.0_1yr (Ref)
4.0x5.0



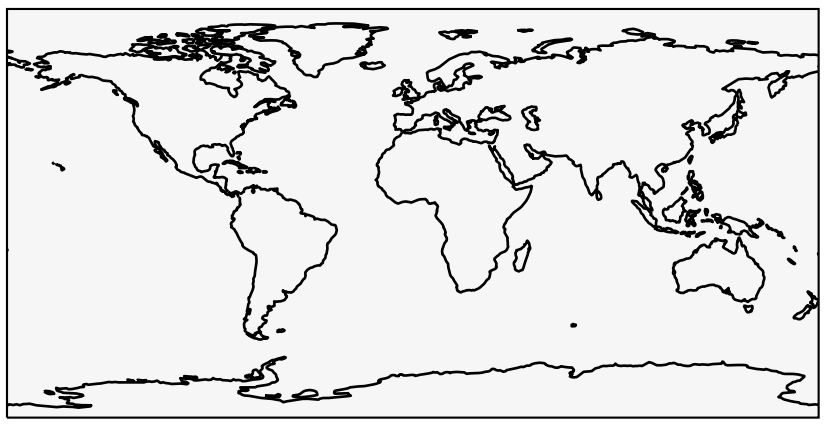


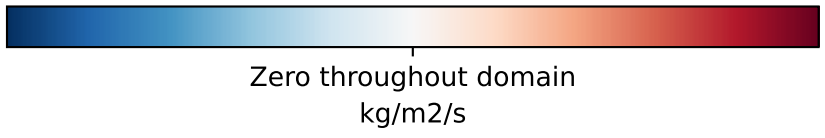
GCC_14.0.0_10yr (Dev)
4.0x5.0



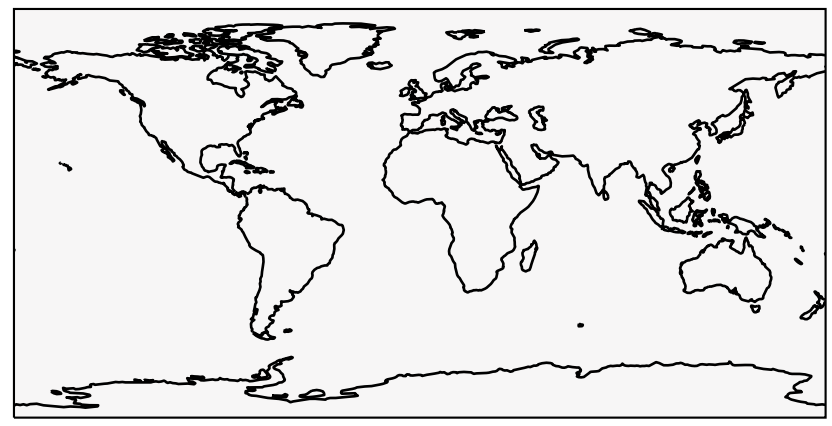


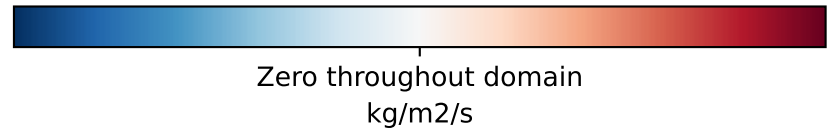
Difference
Dev - Ref, Dynamic Range



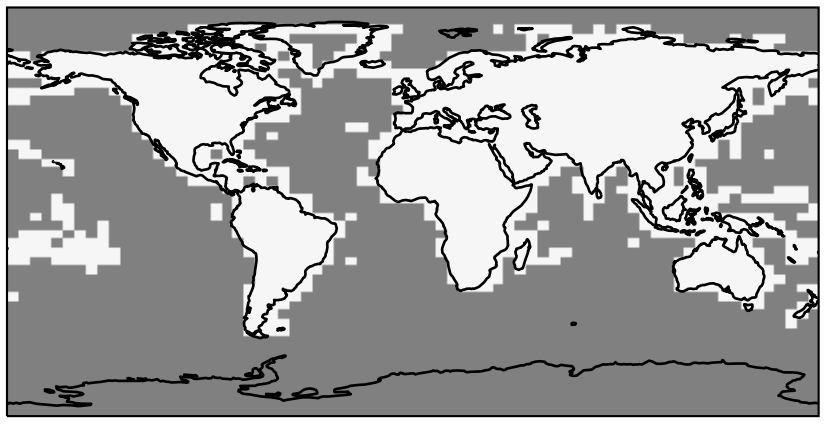


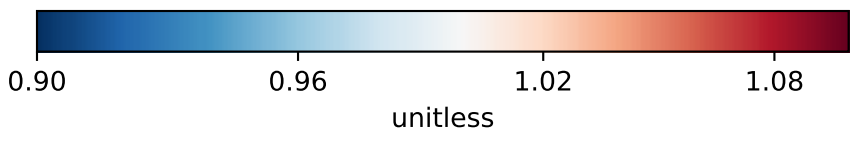
Difference
Dev - Ref, Restricted Range [5%,95%]



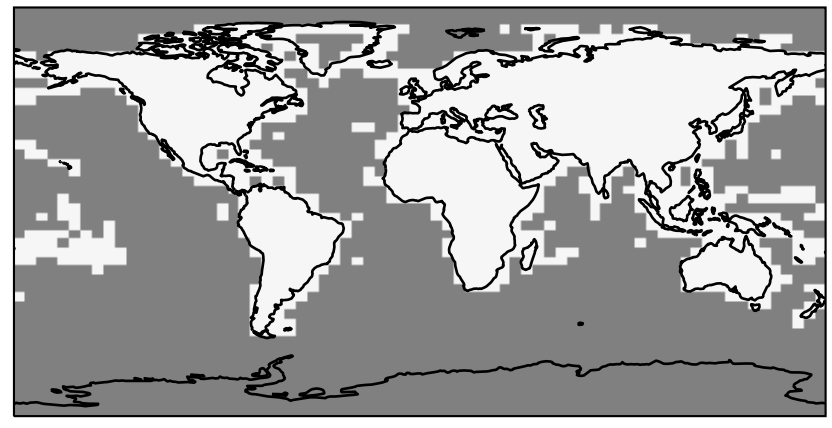


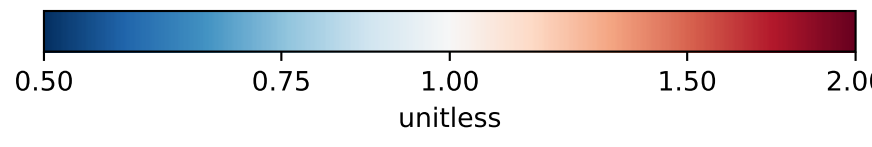
Ratio
Dev/Ref, Dynamic Range





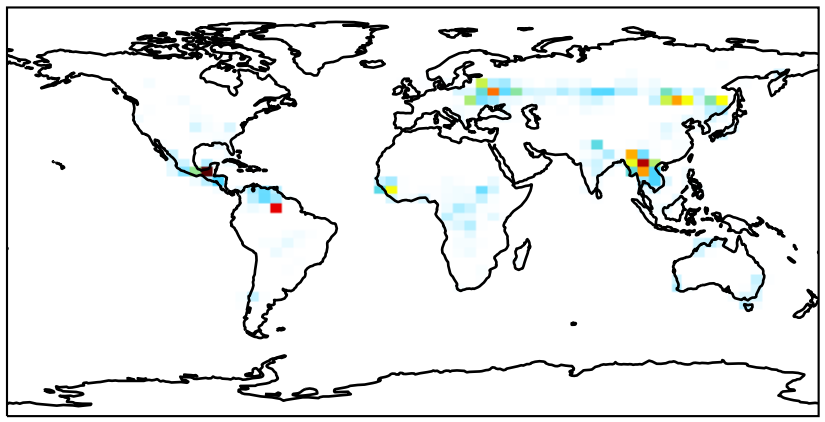
Ratio
Dev/Ref, Fixed Range

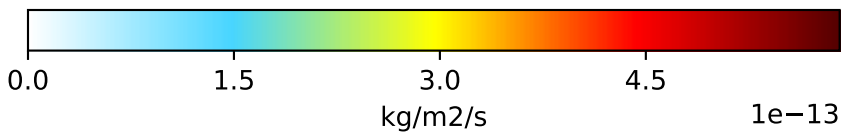




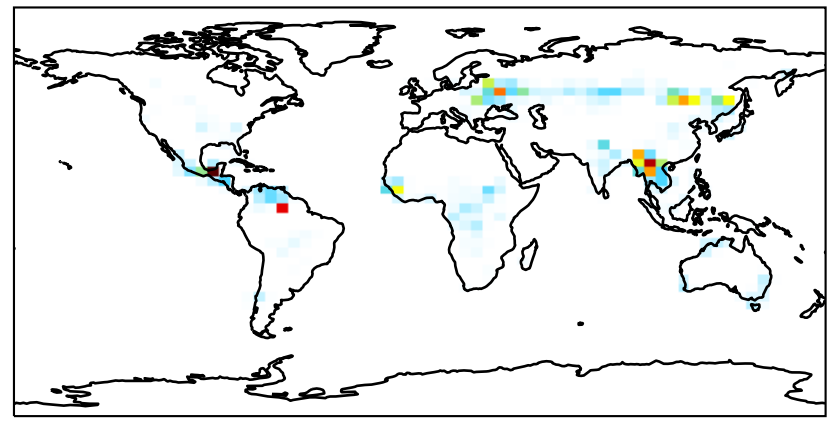
EmisEOH_BioBurn (Apr2019)

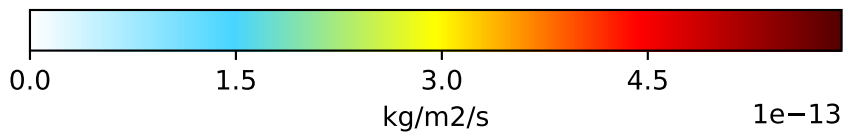
GCC_14.0.0_1yr (Ref)
4.0x5.0



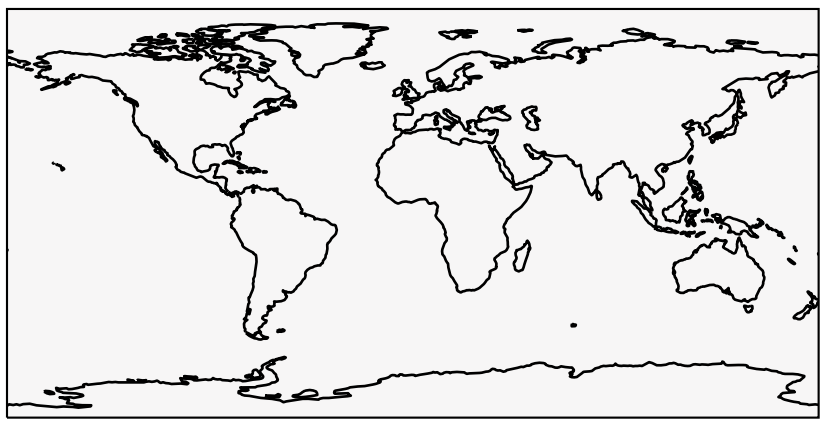


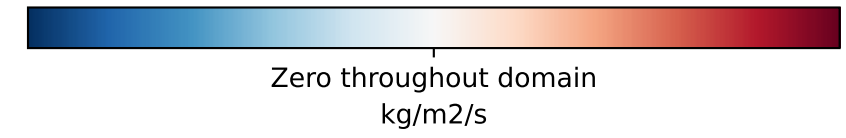
GCC_14.0.0_10yr (Dev)
4.0x5.0



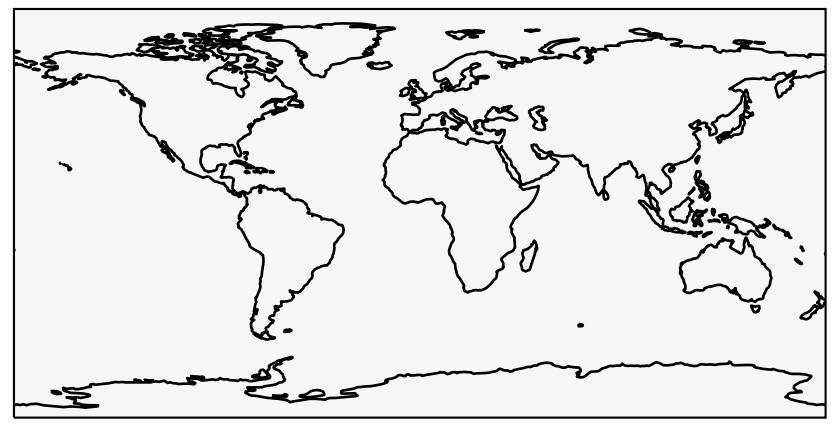


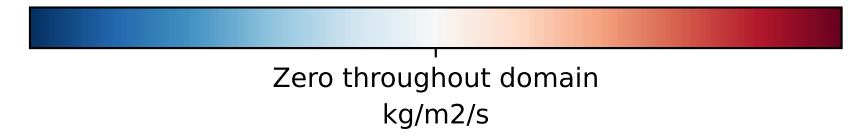
Difference
Dev - Ref, Dynamic Range



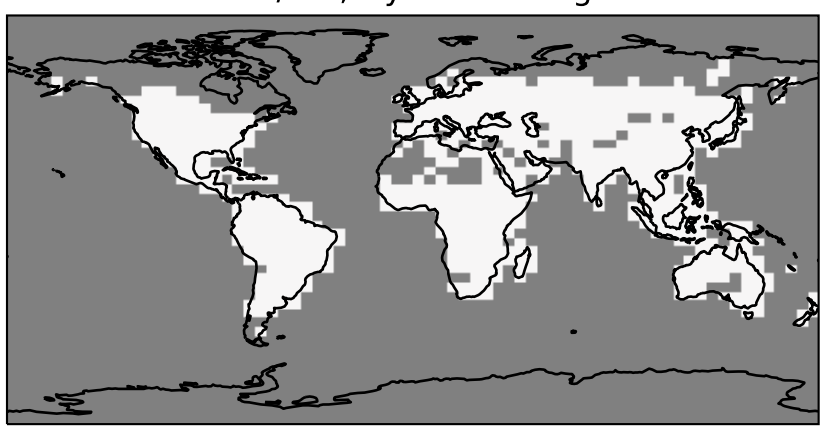


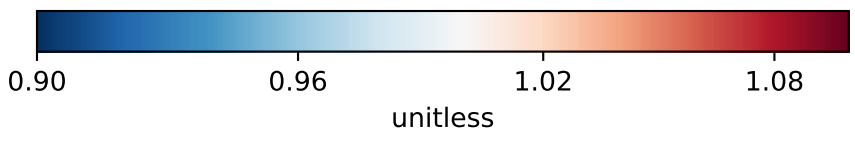
Difference
Dev - Ref, Restricted Range [5%,95%]



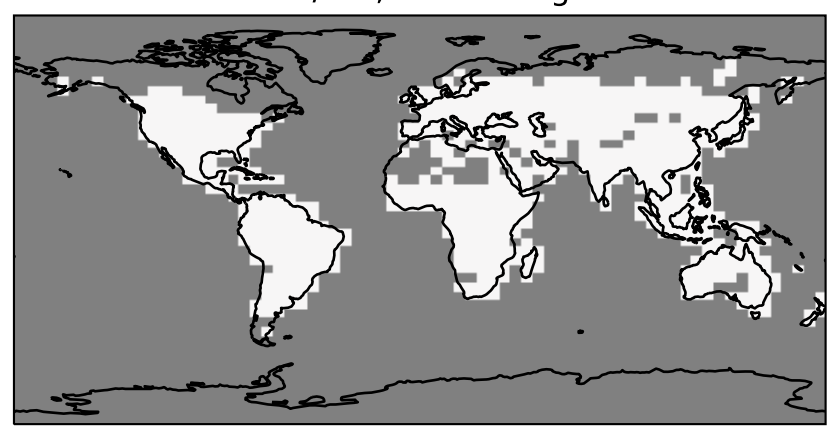


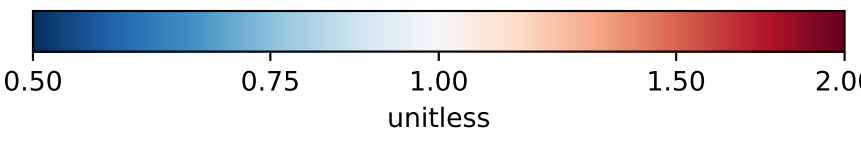
Ratio
Dev/Ref, Dynamic Range





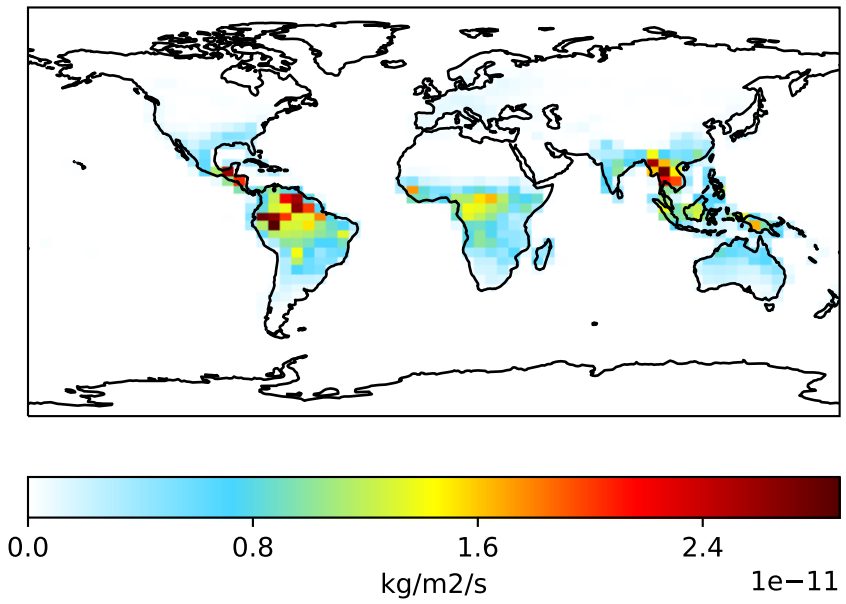
Ratio
Dev/Ref, Fixed Range



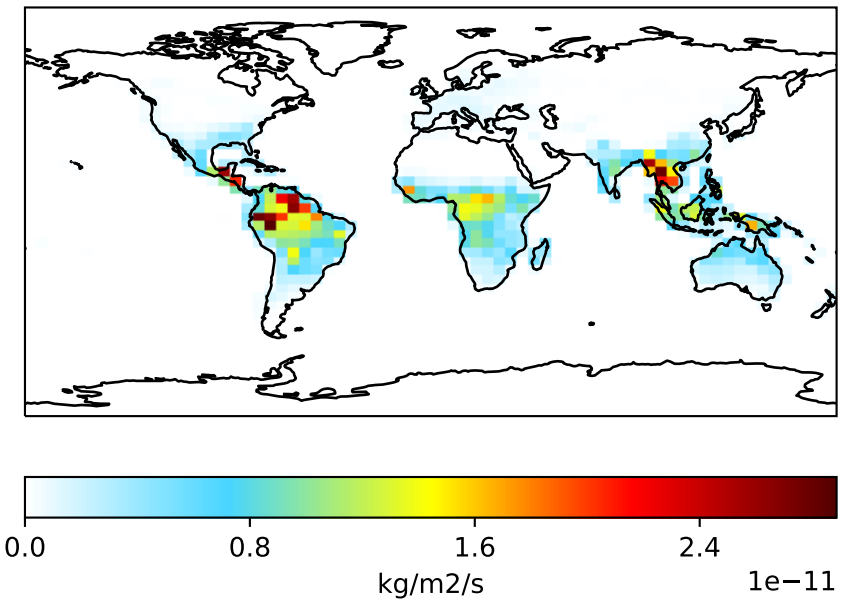


EmisEOH_Biogenic (Apr2019)

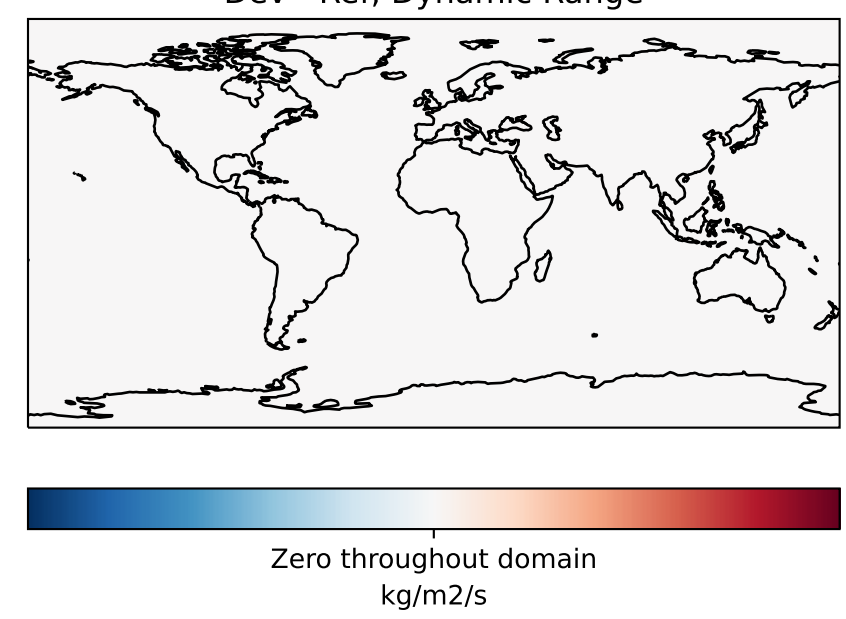
GCC_14.0.0_1yr (Ref)
4.0x5.0



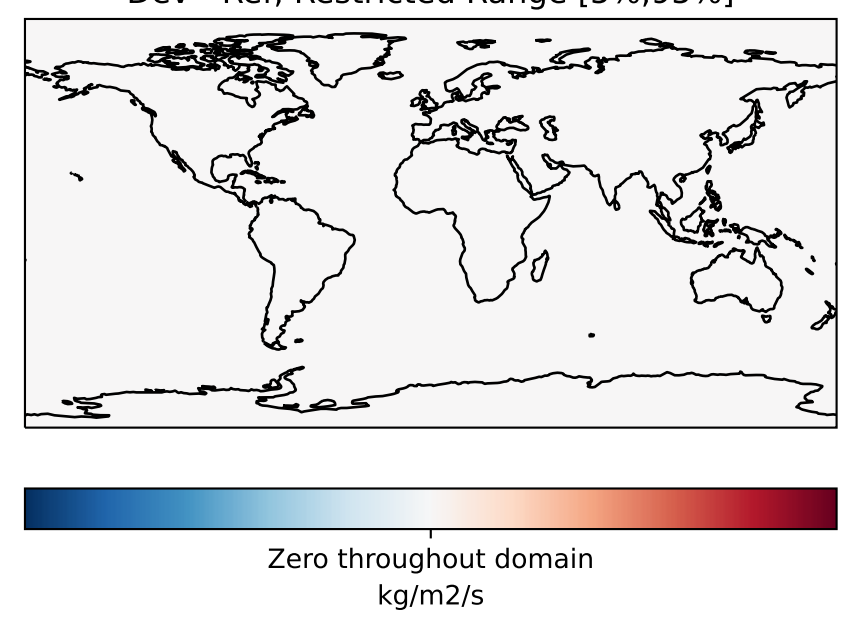
GCC_14.0.0_10yr (Dev)
4.0x5.0



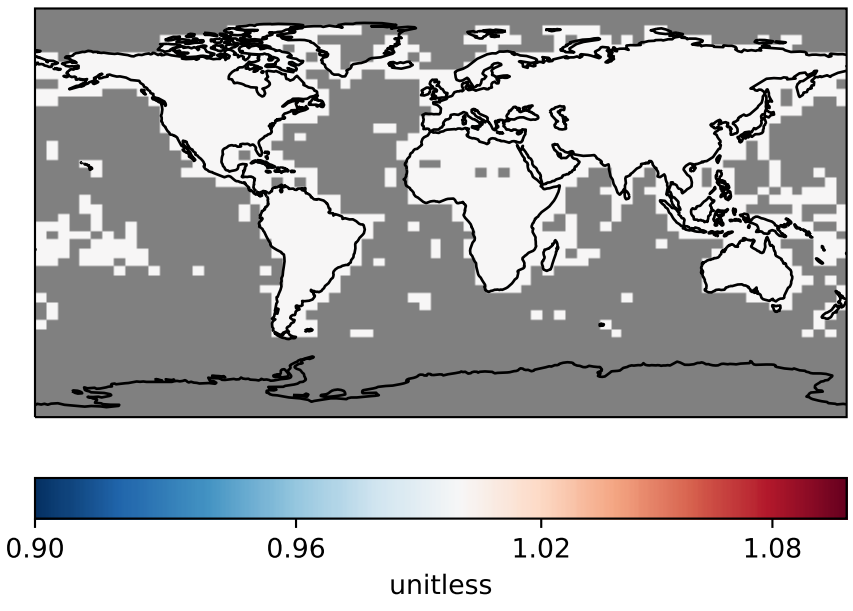
Difference
Dev - Ref, Dynamic Range



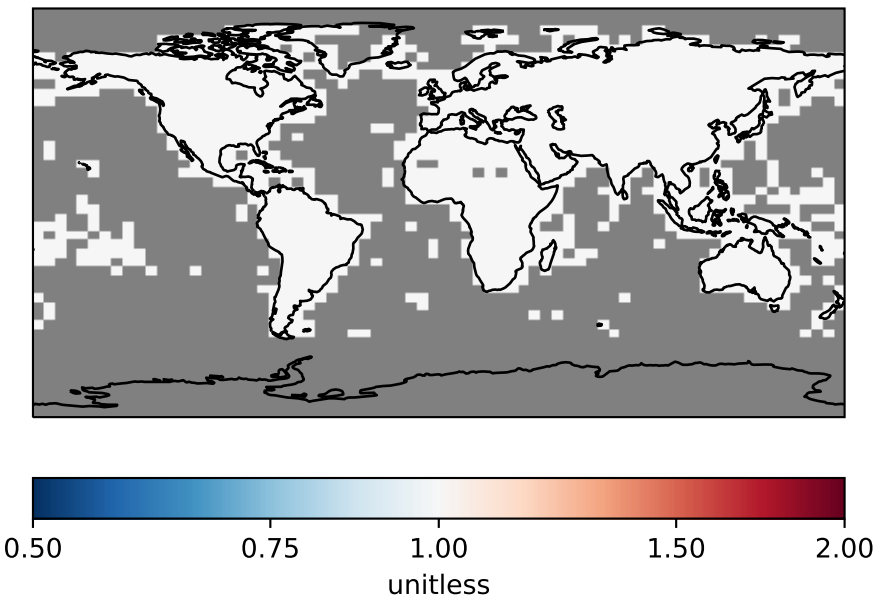
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

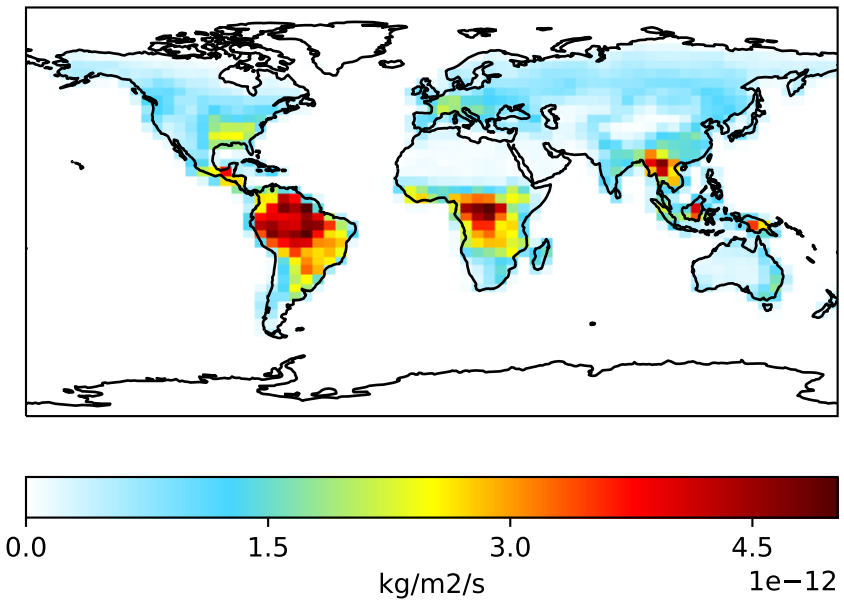


Ratio
Dev/Ref, Fixed Range

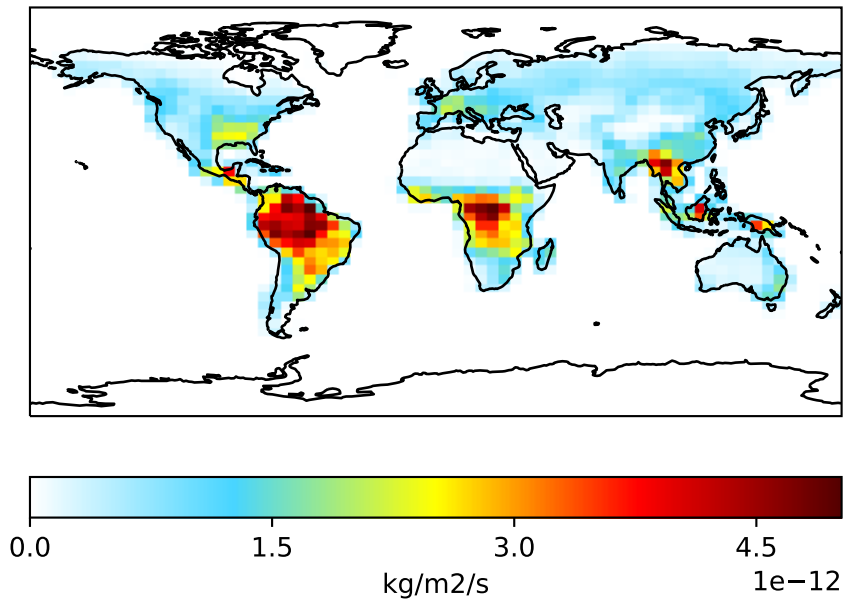


EmisEOH_PlantDecay (Apr2019)

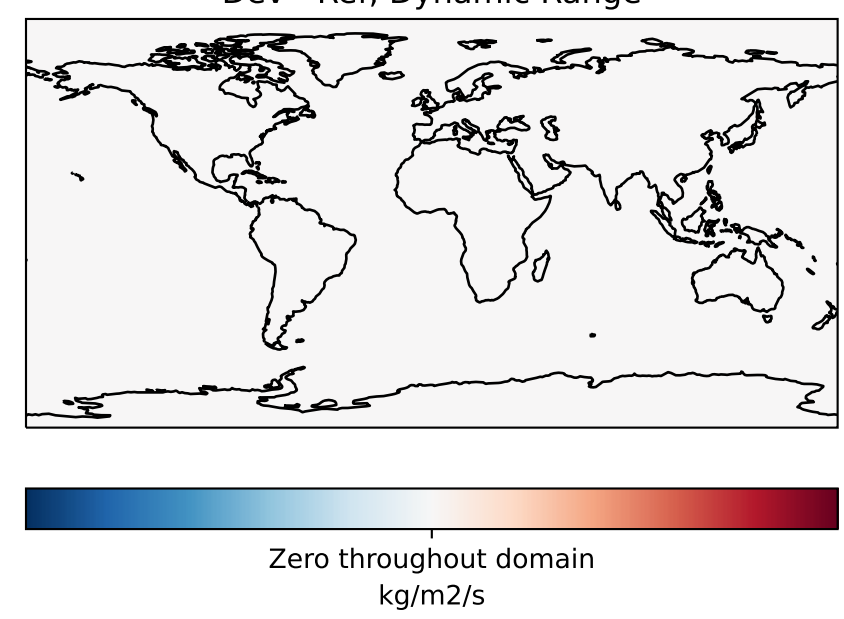
GCC_14.0.0_1yr (Ref)
4.0x5.0



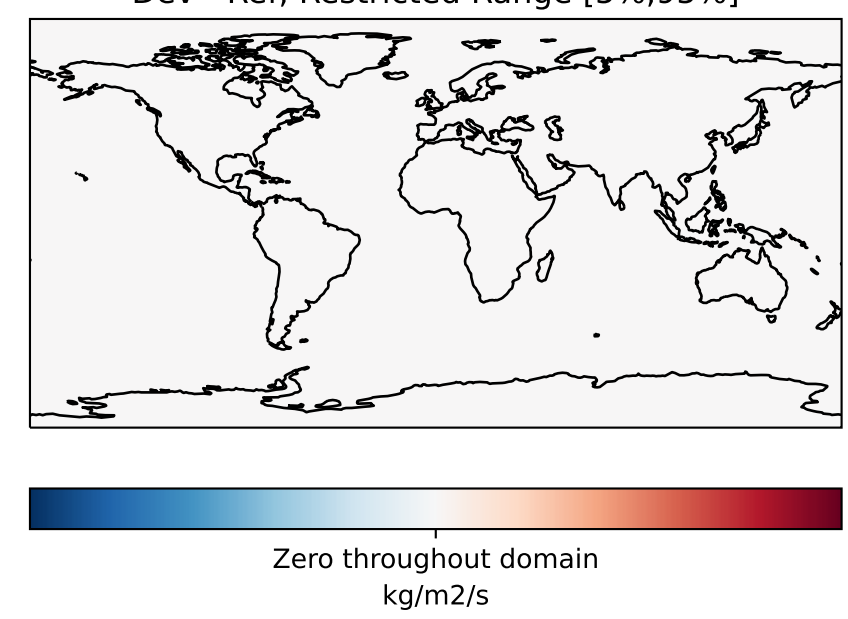
GCC_14.0.0_10yr (Dev)
4.0x5.0



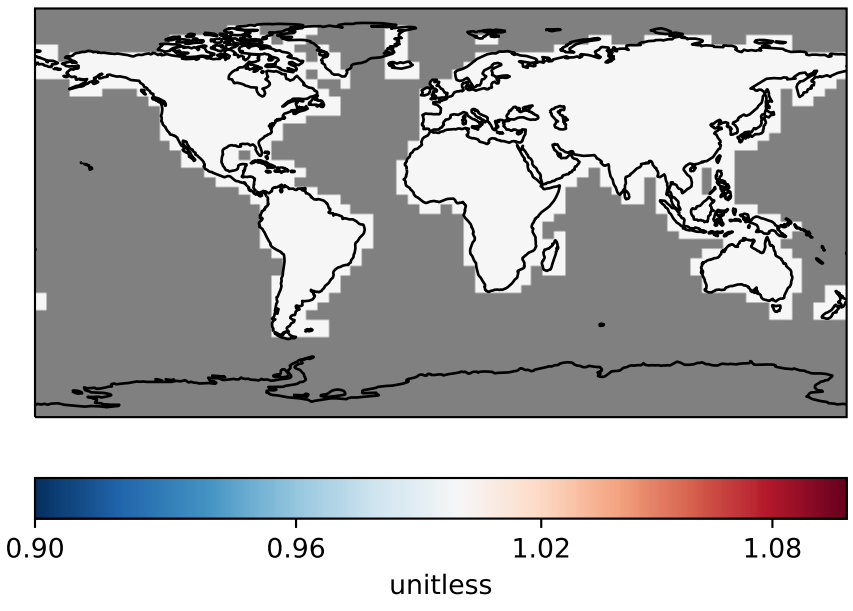
Difference
Dev - Ref, Dynamic Range



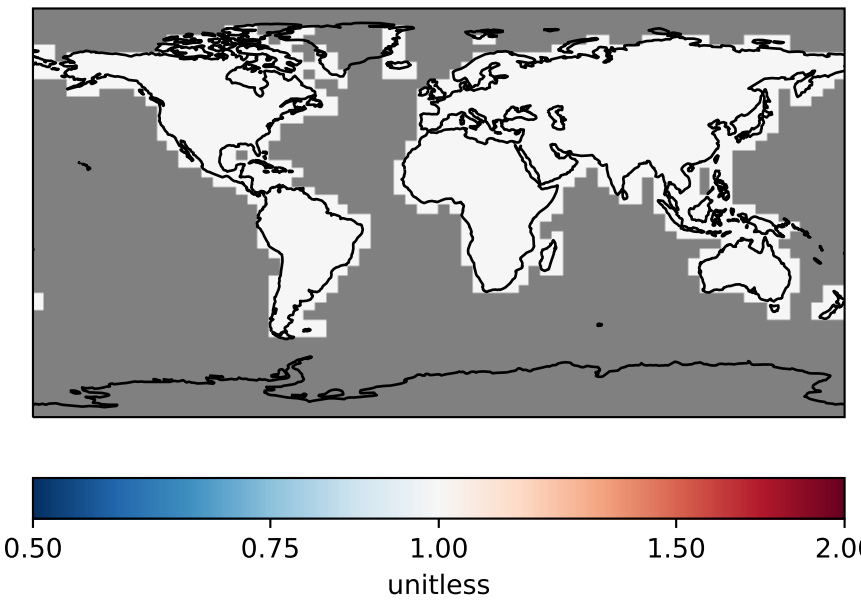
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

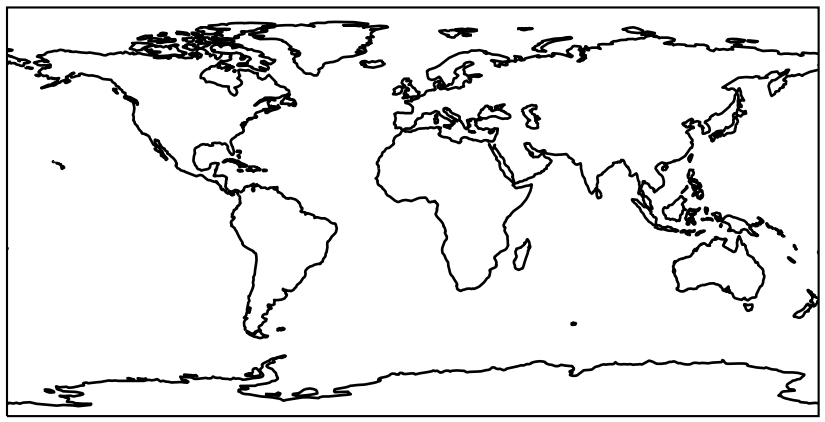


Ratio
Dev/Ref, Fixed Range



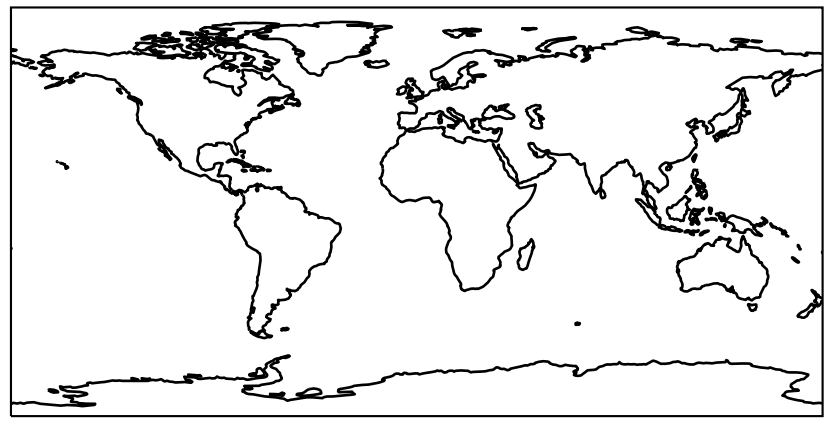
EmisEOH_Ship (Apr2019)

GCC_14.0.0_1yr (Ref)
4.0x5.0



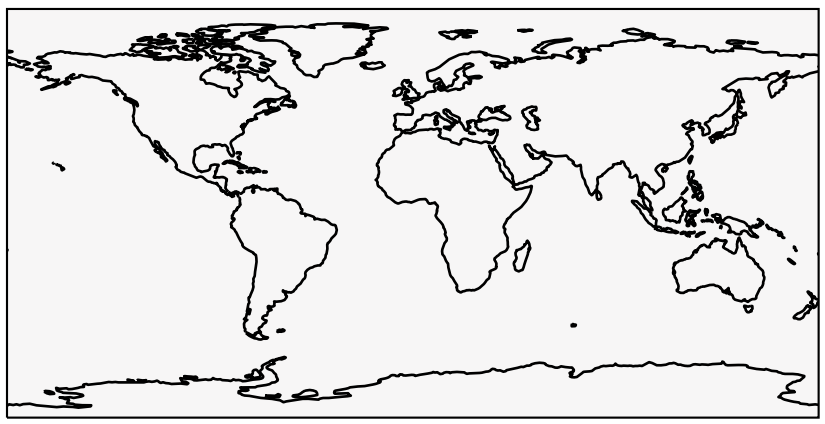
Zero throughout domain
kg/m2/s

GCC_14.0.0_10yr (Dev)
4.0x5.0



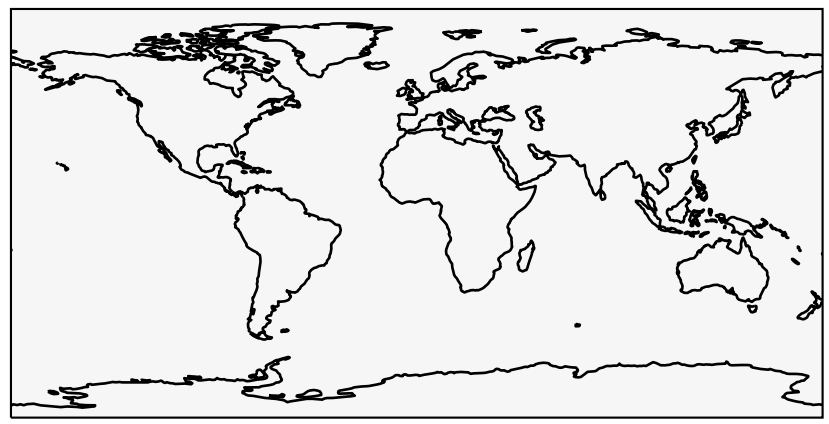
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



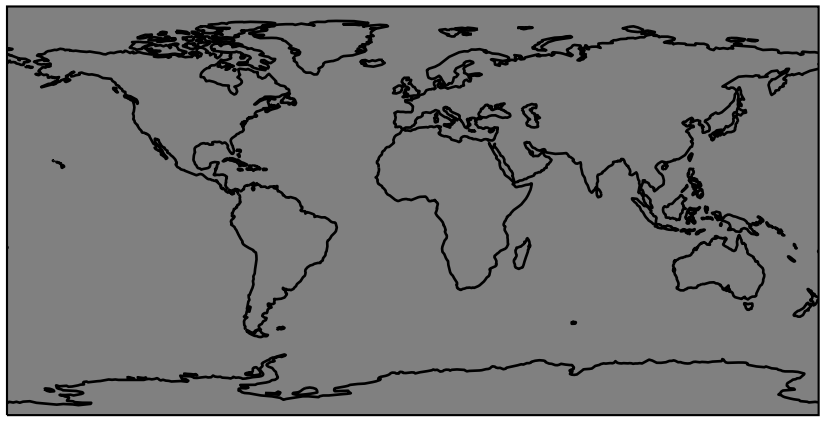
Zero throughout domain
kg/m2/s

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



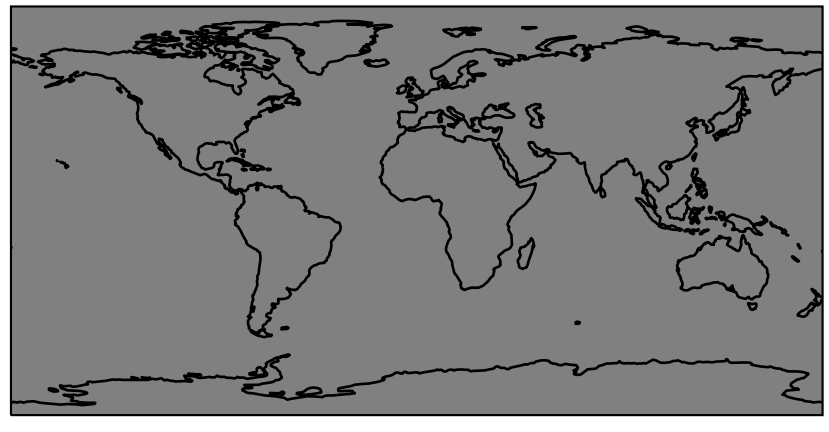
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

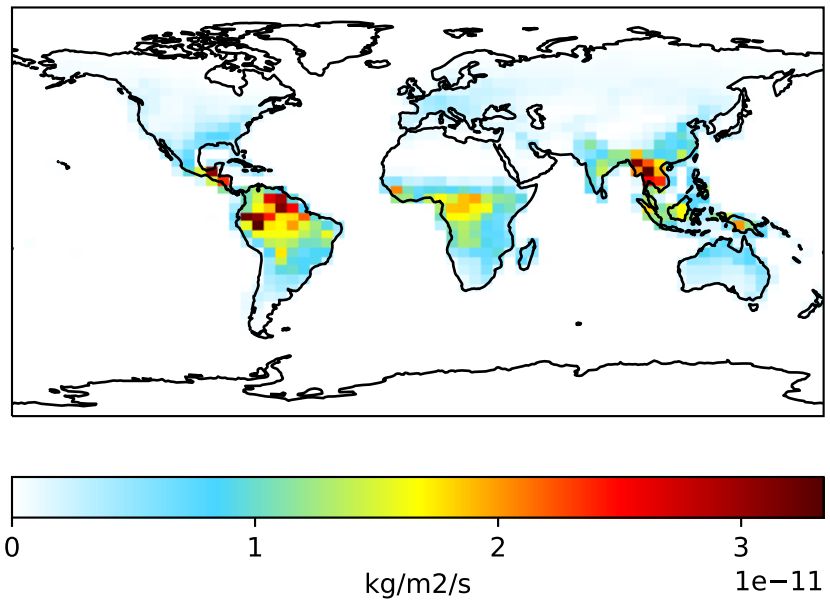
Ratio
Dev/Ref, Fixed Range



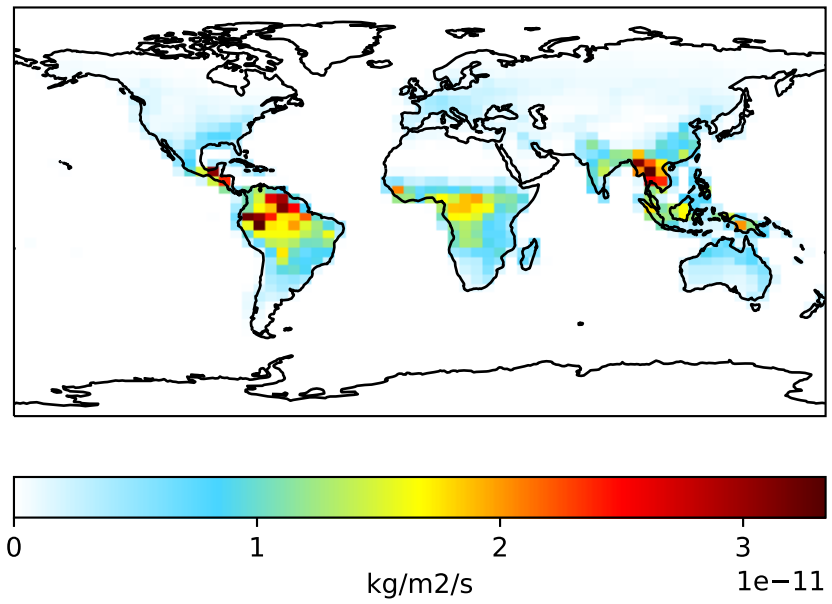
Undefined throughout domain
unitless

EmisEOH_Total (Apr2019)

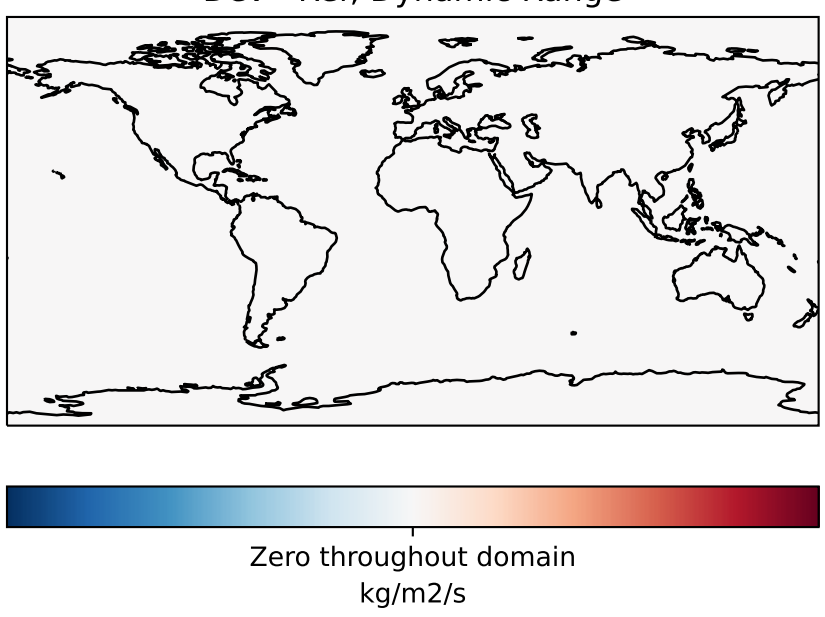
GCC_14.0.0_1yr (Ref)
4.0x5.0



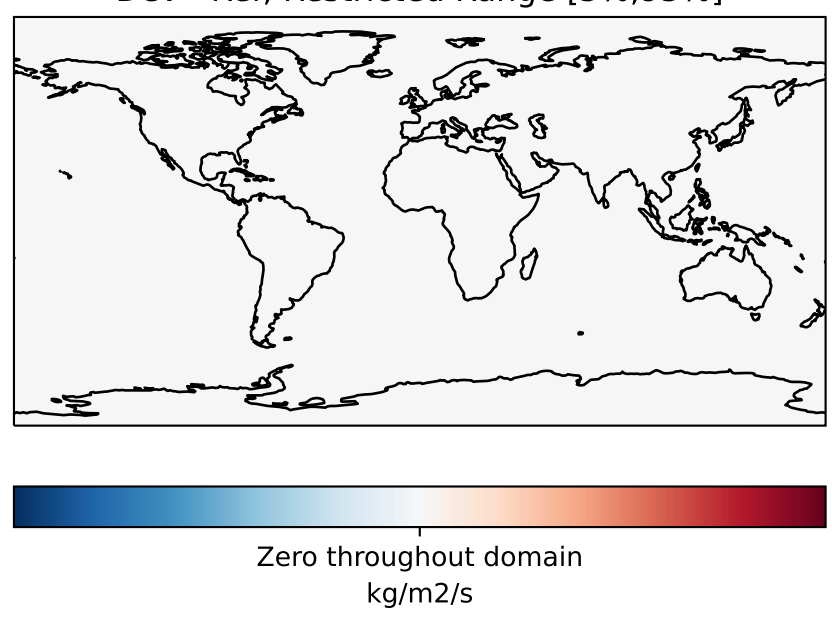
GCC_14.0.0_10yr (Dev)
4.0x5.0



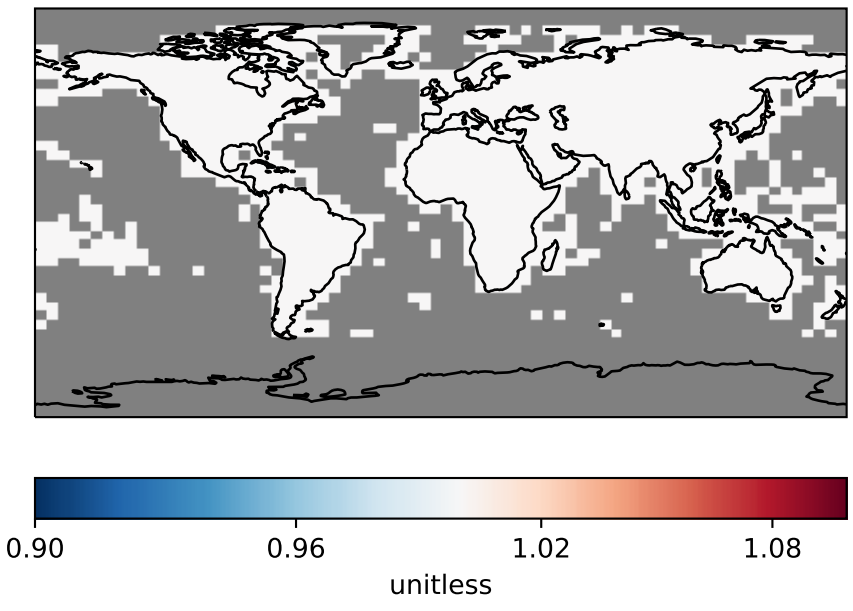
Difference
Dev - Ref, Dynamic Range



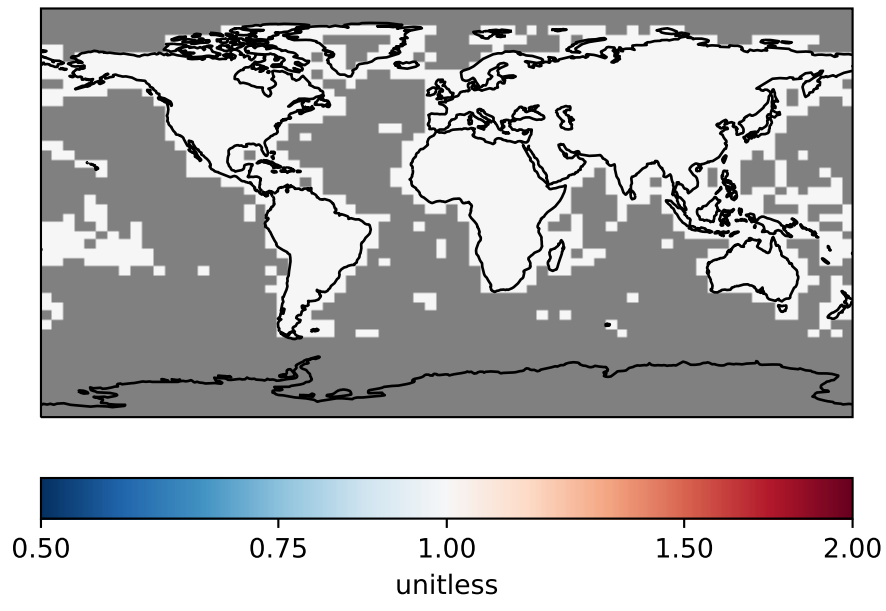
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

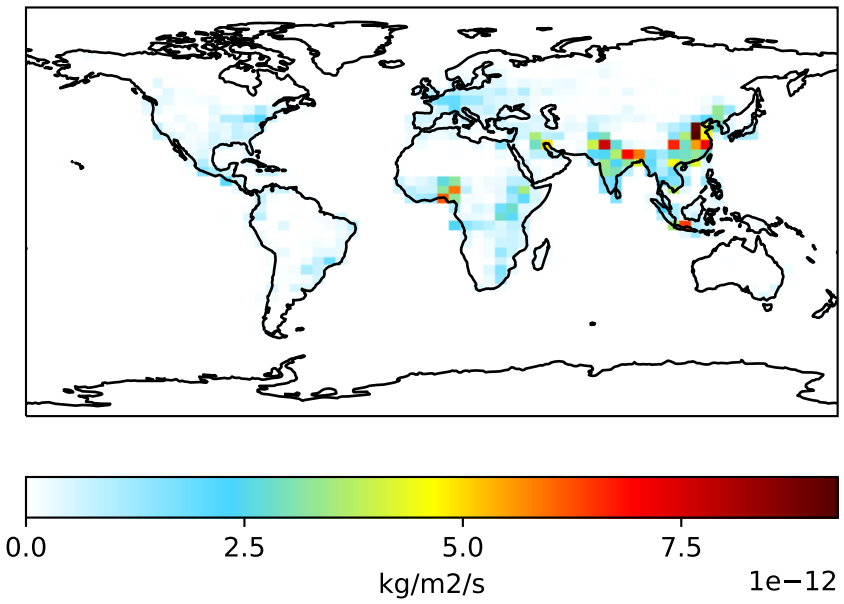


Ratio
Dev/Ref, Fixed Range

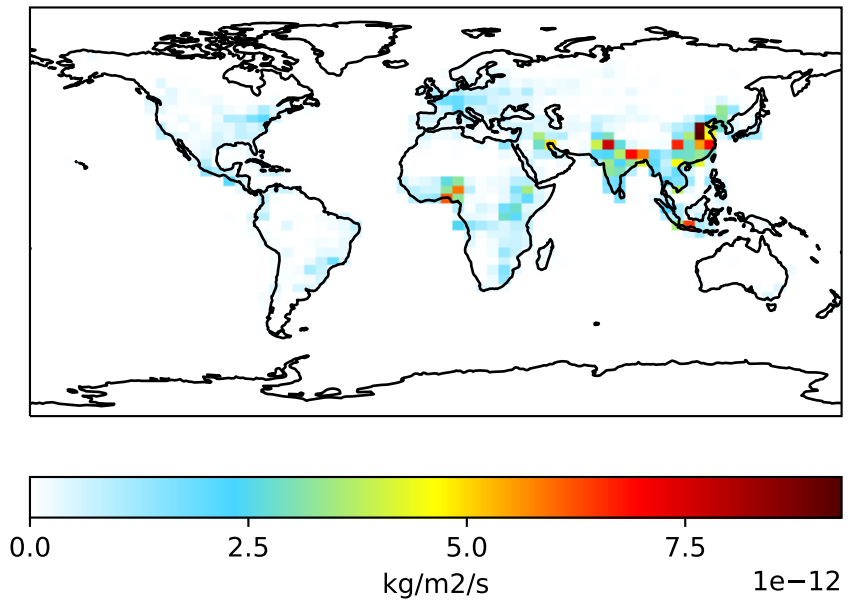


EmisMOH_Anthro (Apr2019)

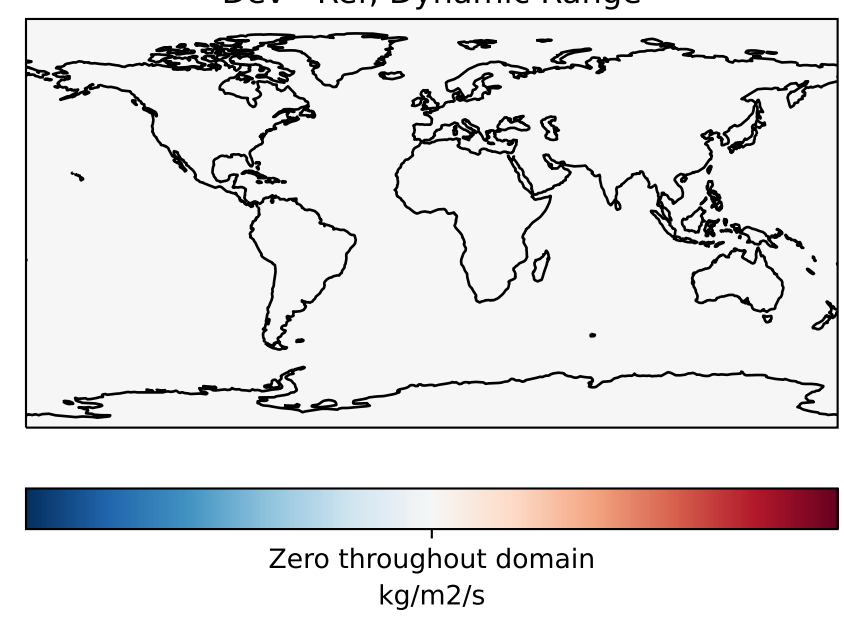
GCC_14.0.0_1yr (Ref)
4.0x5.0



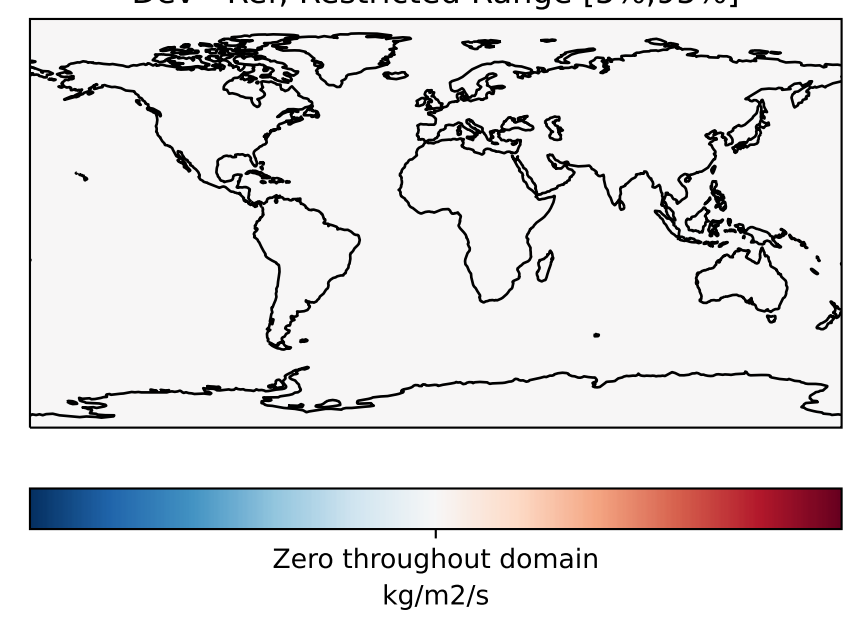
GCC_14.0.0_10yr (Dev)
4.0x5.0



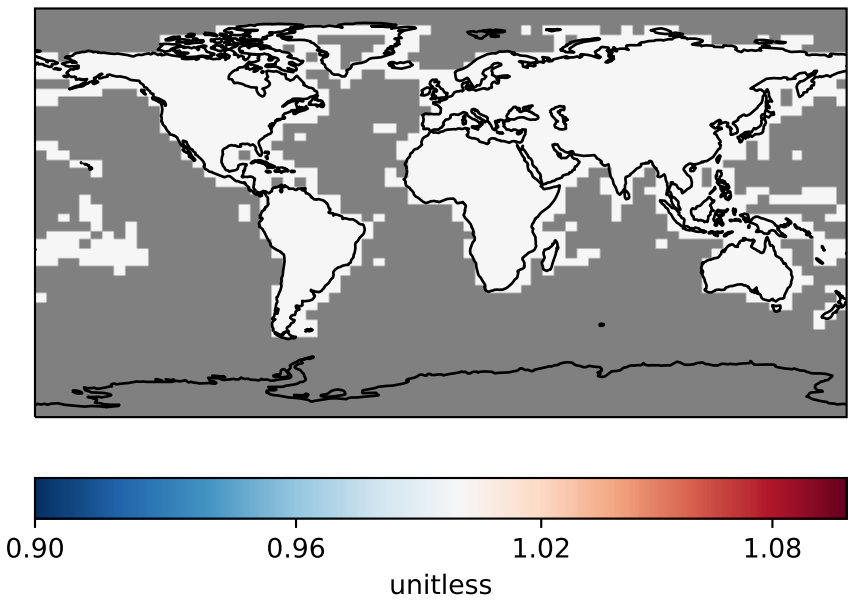
Difference
Dev - Ref, Dynamic Range



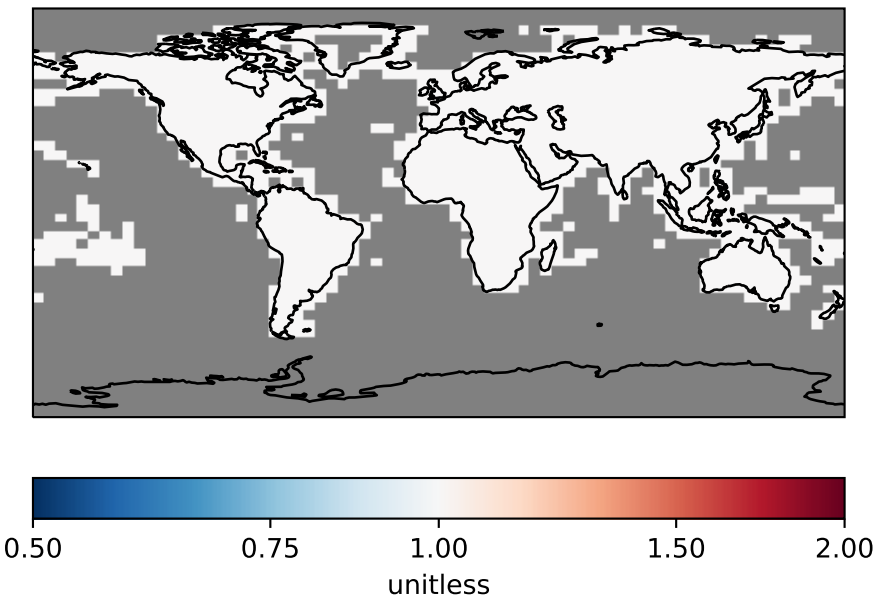
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

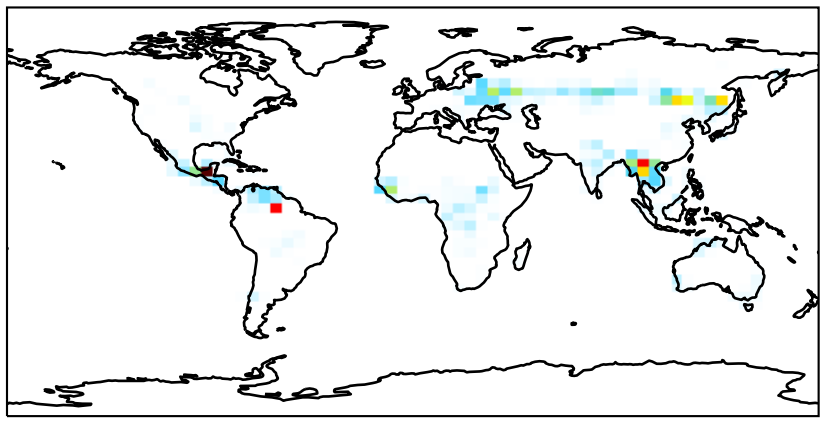


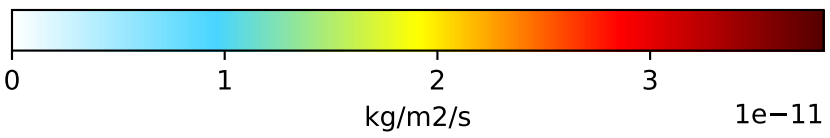
Ratio
Dev/Ref, Fixed Range



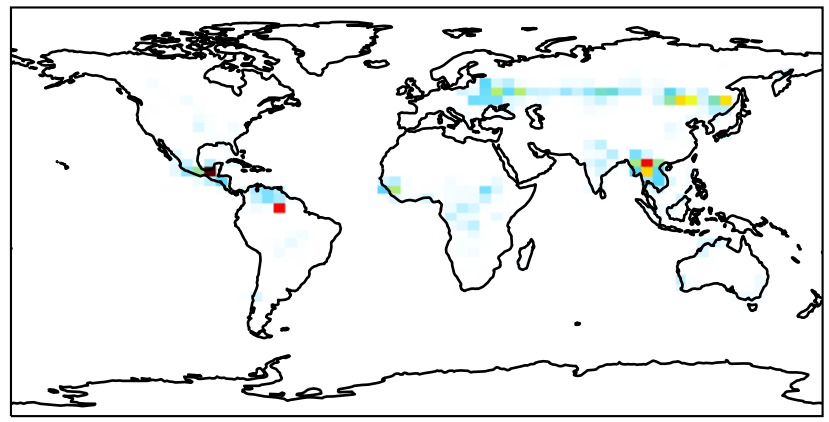
EmisMOH_BioBurn (Apr2019)

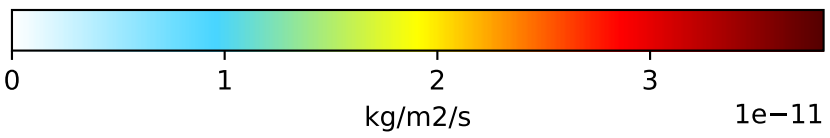
GCC_14.0.0_1yr (Ref)
4.0x5.0



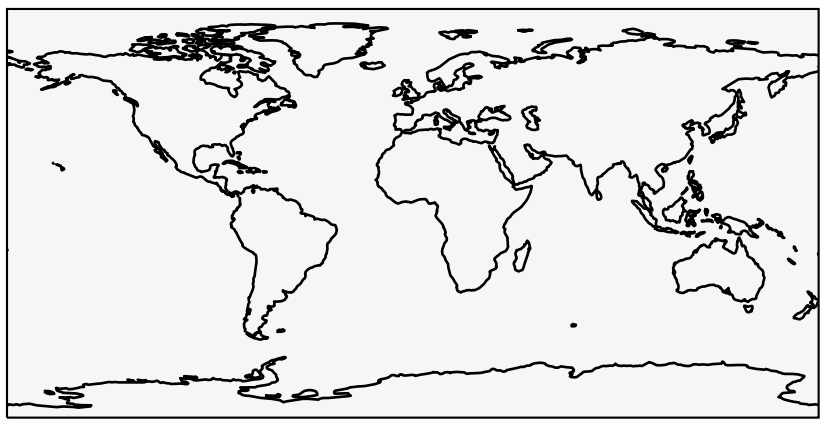


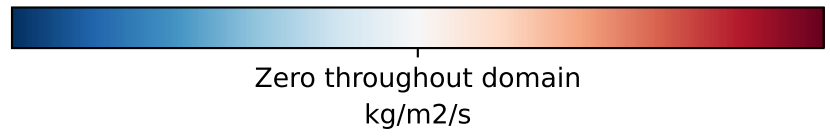
GCC_14.0.0_10yr (Dev)
4.0x5.0



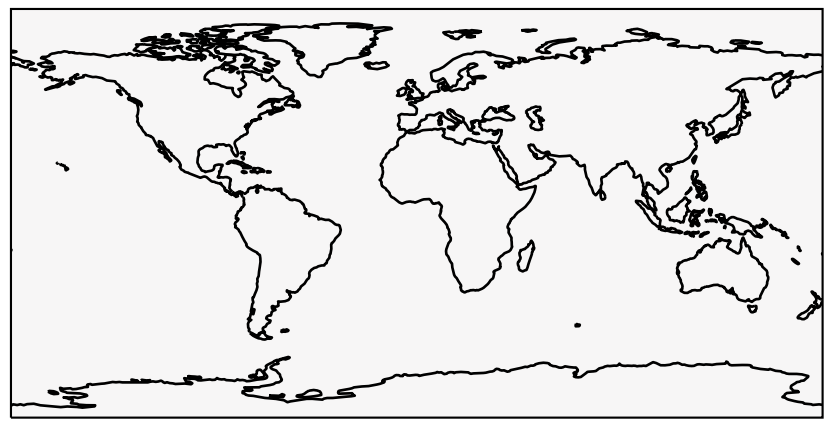


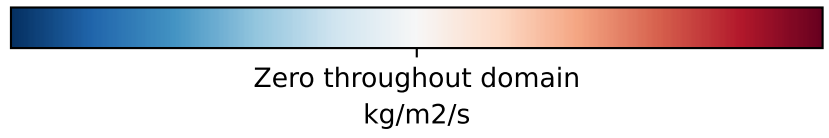
Difference
Dev - Ref, Dynamic Range



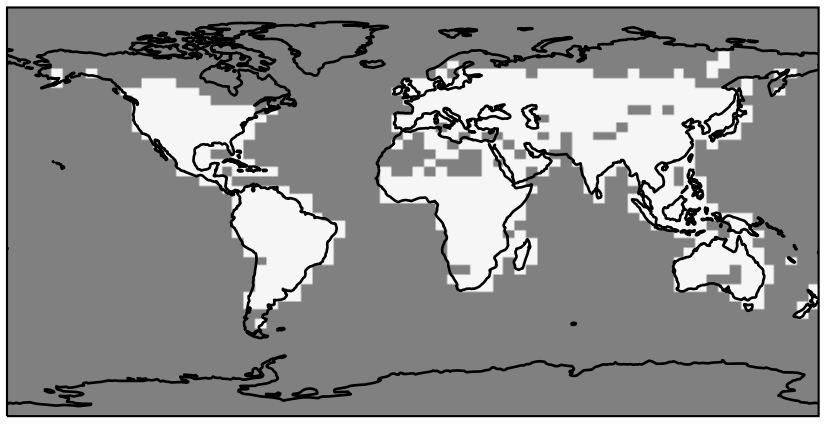


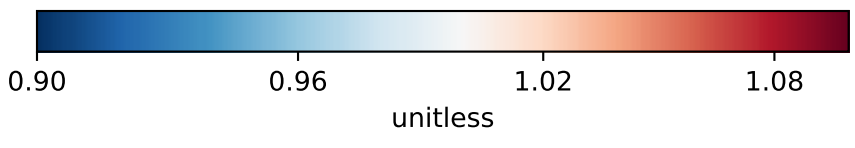
Difference
Dev - Ref, Restricted Range [5%,95%]



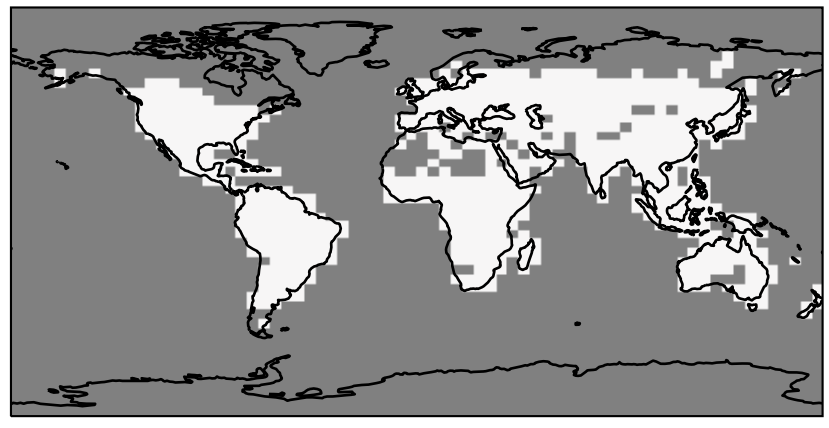


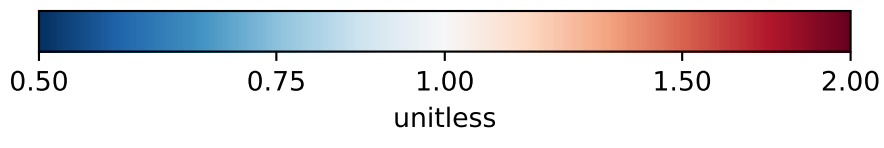
Ratio
Dev/Ref, Dynamic Range





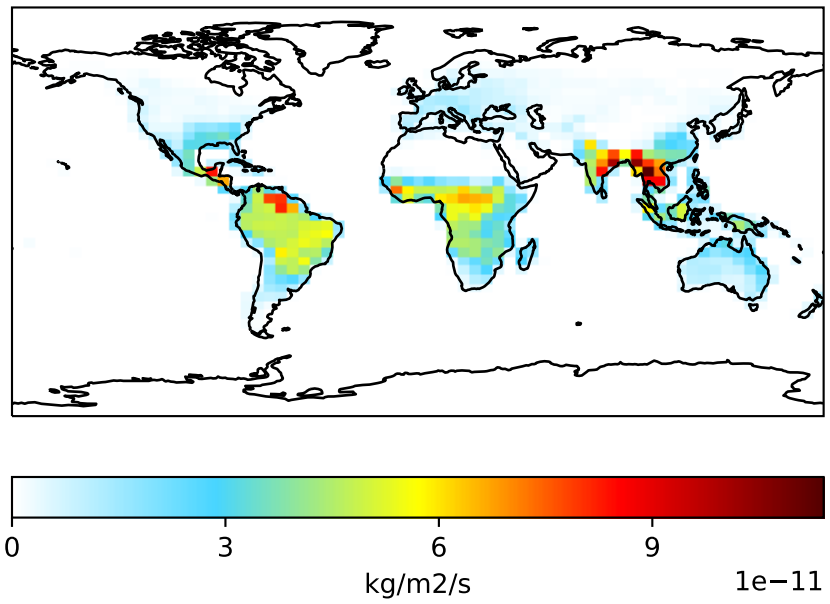
Ratio
Dev/Ref, Fixed Range



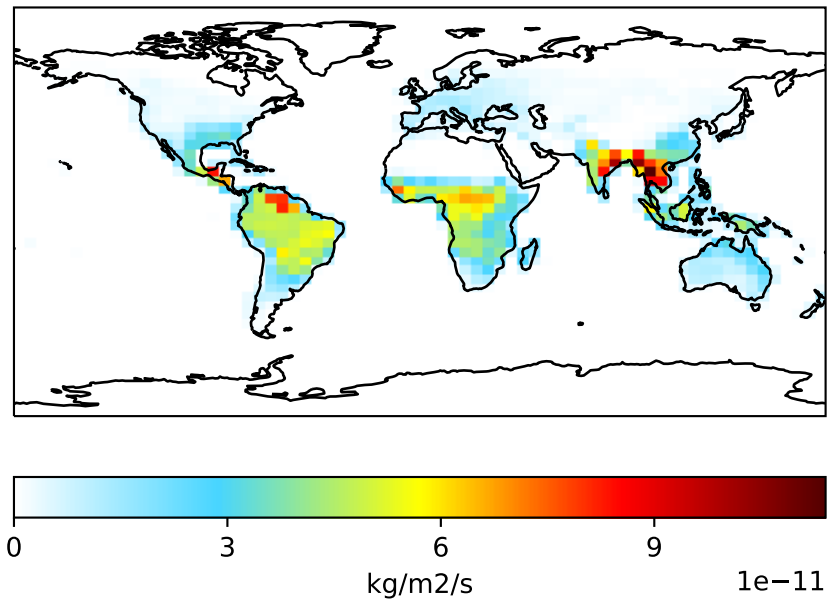


EmisMOH_Biogenic (Apr2019)

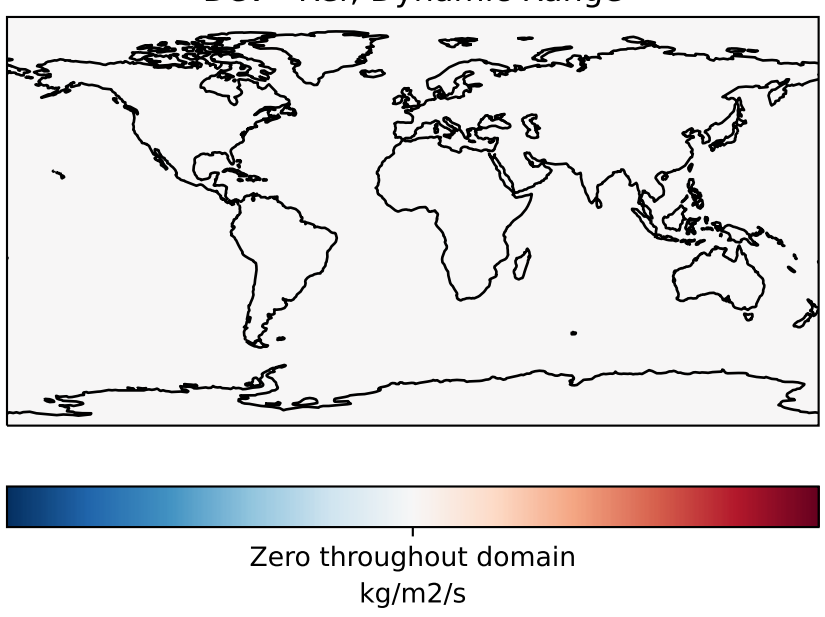
GCC_14.0.0_1yr (Ref)
4.0x5.0



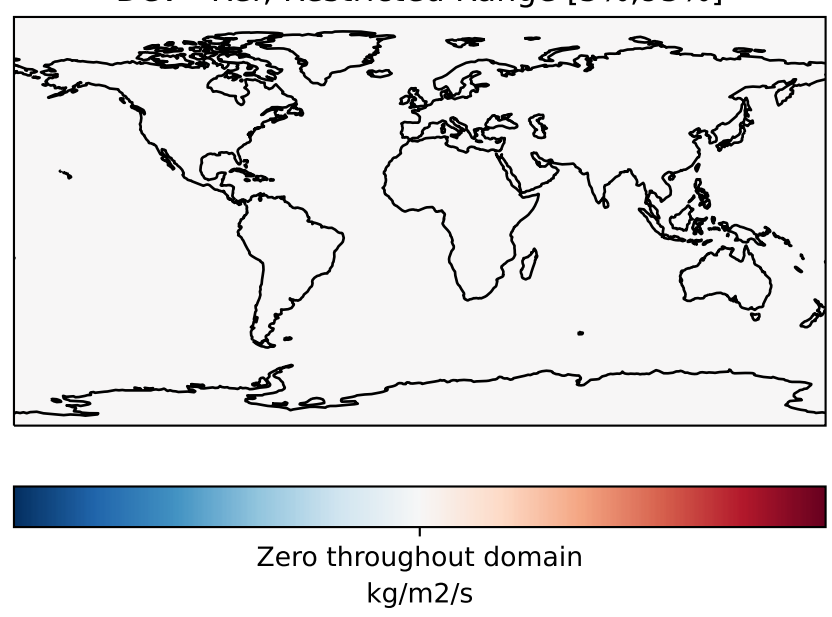
GCC_14.0.0_10yr (Dev)
4.0x5.0



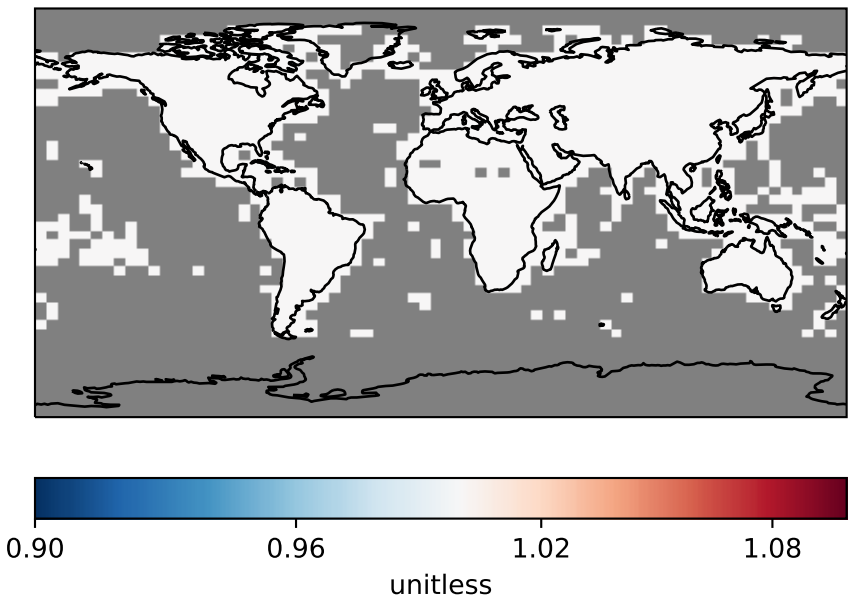
Difference
Dev - Ref, Dynamic Range



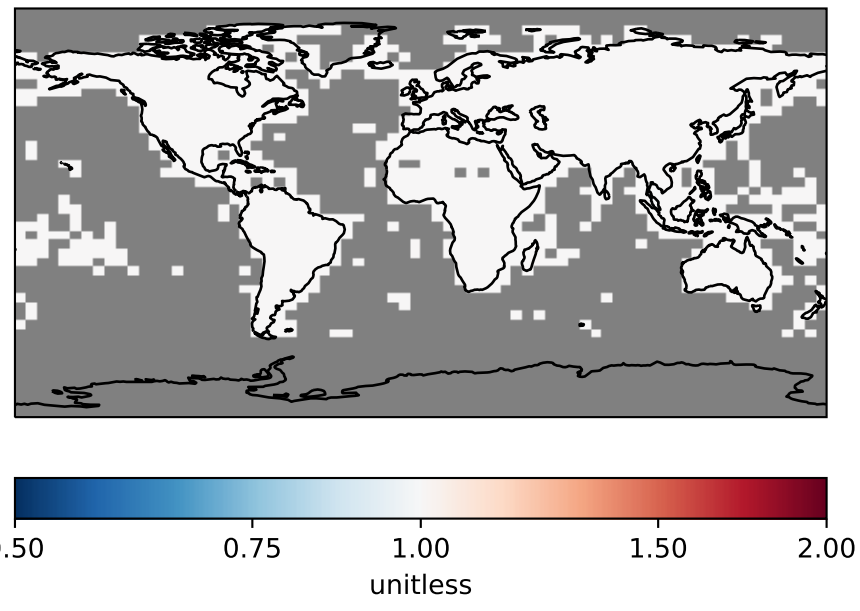
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

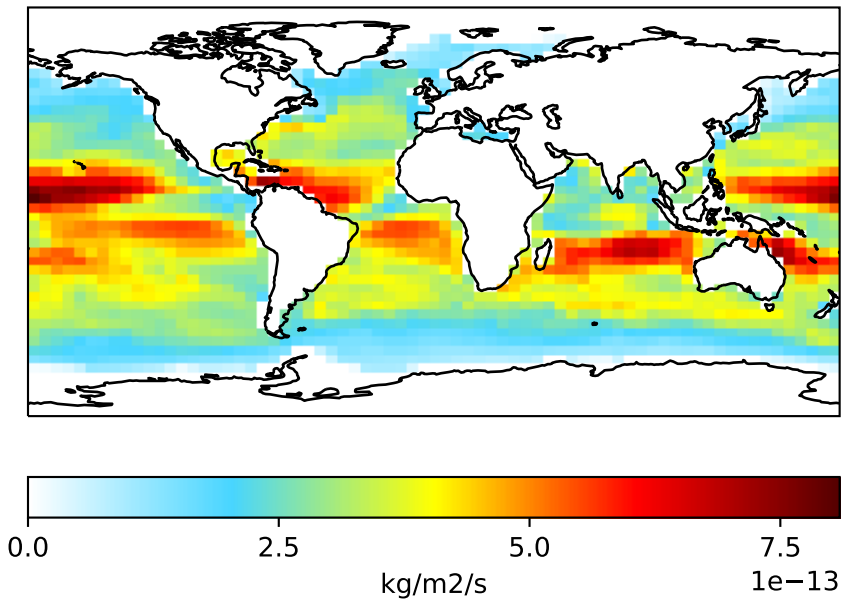


Ratio
Dev/Ref, Fixed Range

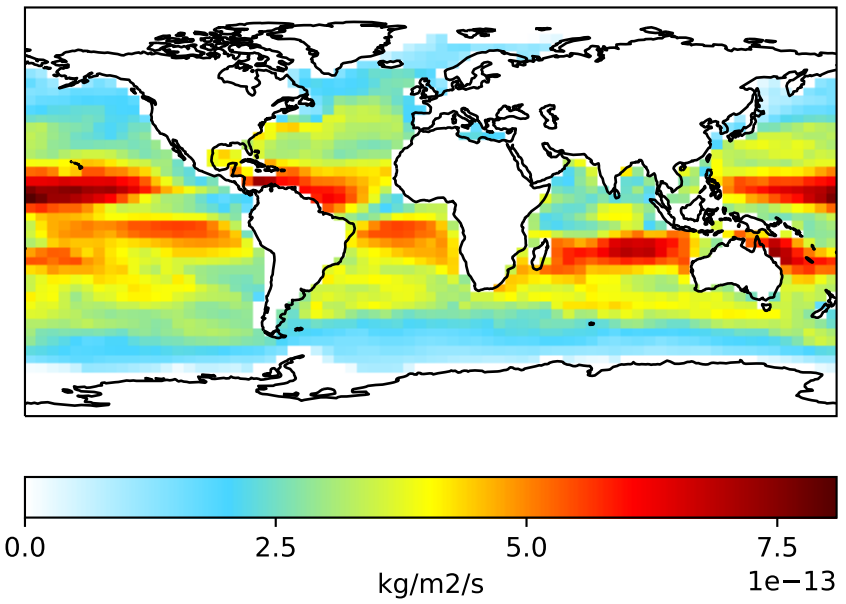


EmisMOH_Ocean (Apr2019)

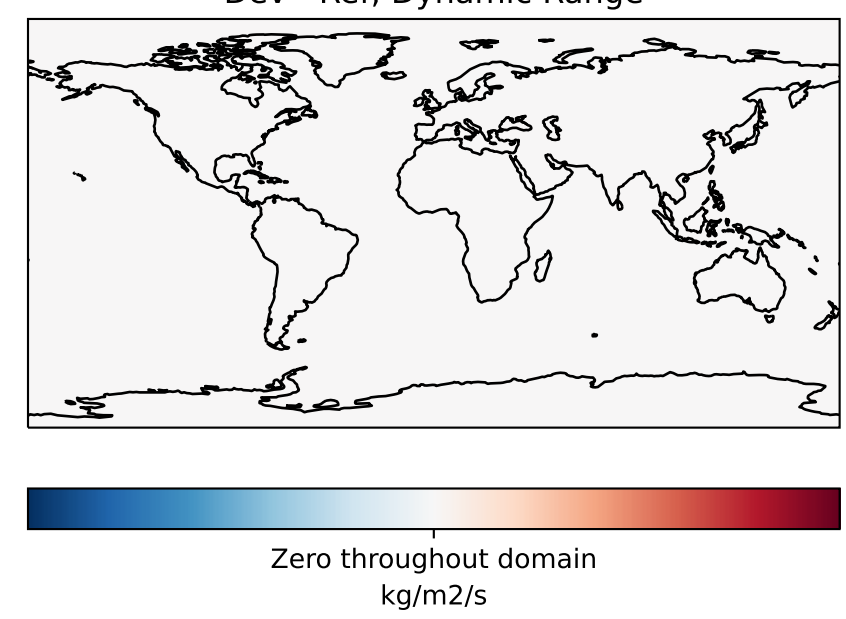
GCC_14.0.0_1yr (Ref)
4.0x5.0



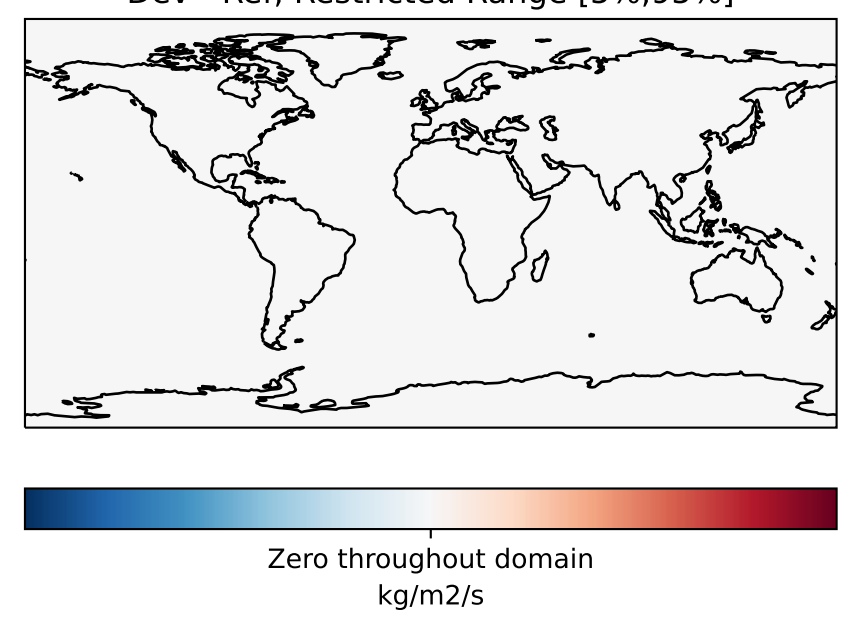
GCC_14.0.0_10yr (Dev)
4.0x5.0



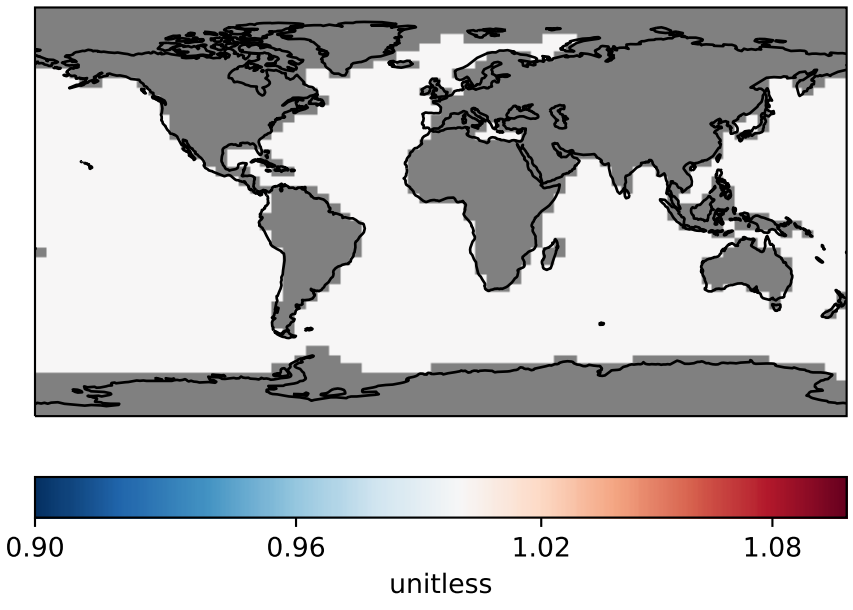
Difference
Dev - Ref, Dynamic Range



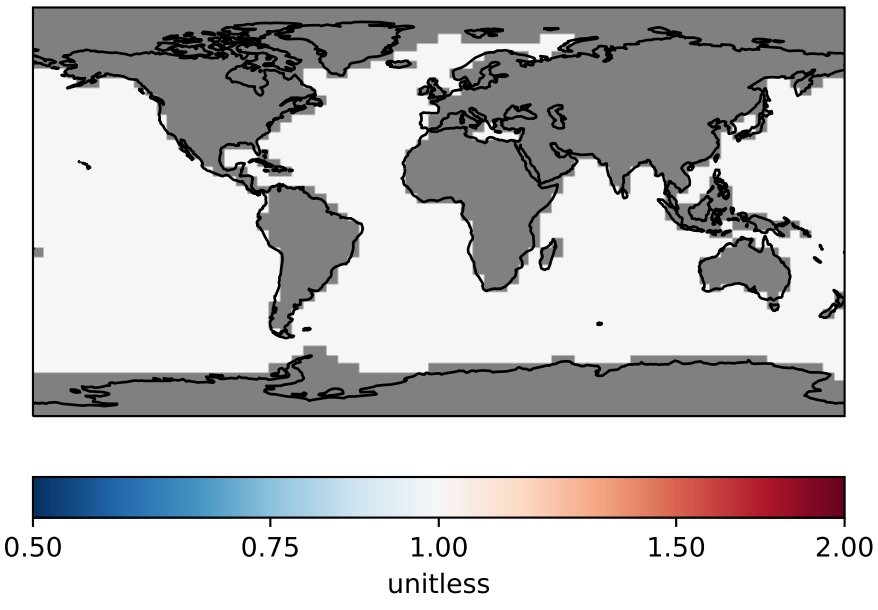
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

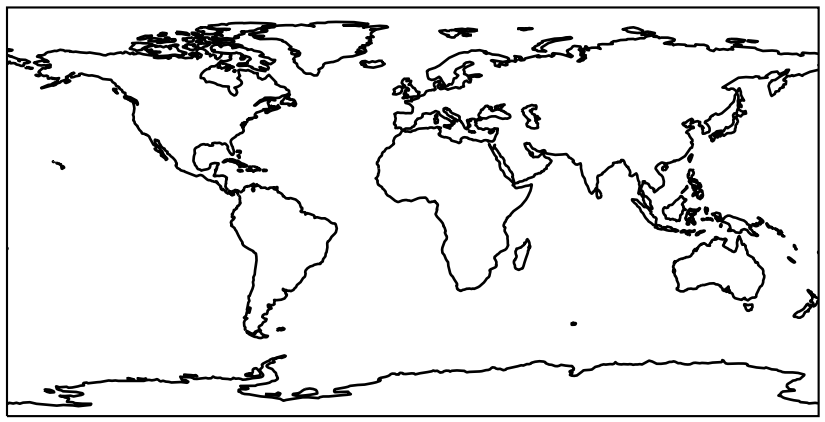


Ratio
Dev/Ref, Fixed Range



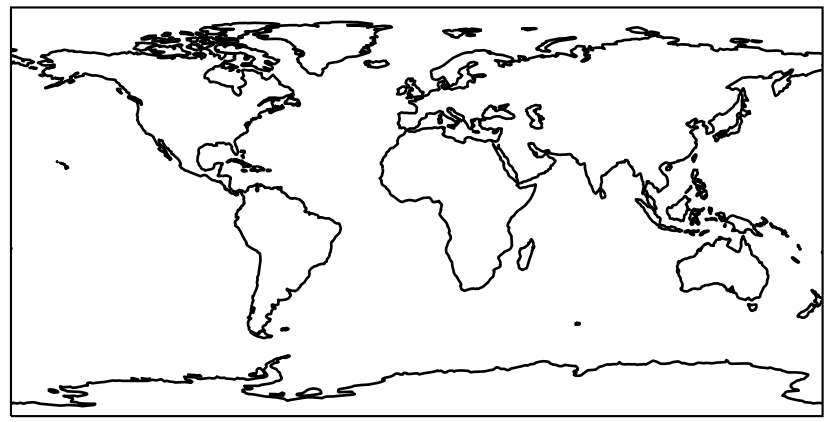
EmisMOH_Ship (Apr2019)

GCC_14.0.0_1yr (Ref)
4.0x5.0



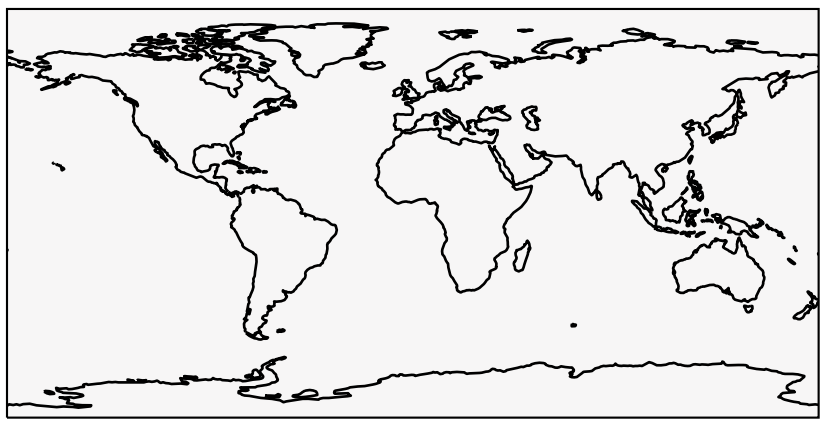
Zero throughout domain
kg/m2/s

GCC_14.0.0_10yr (Dev)
4.0x5.0



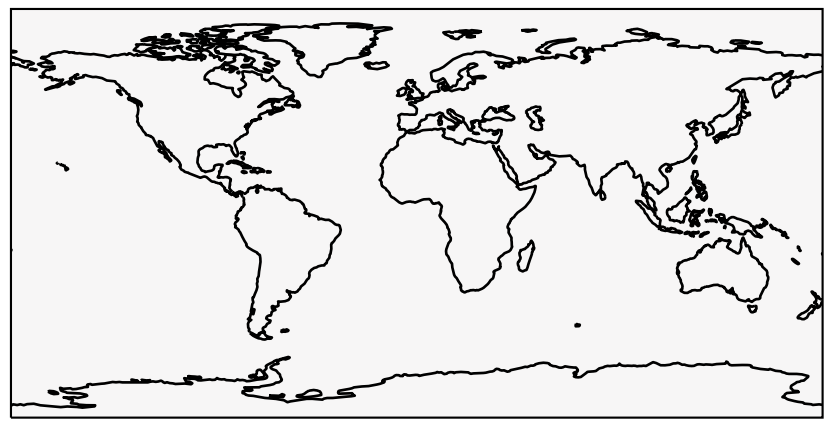
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



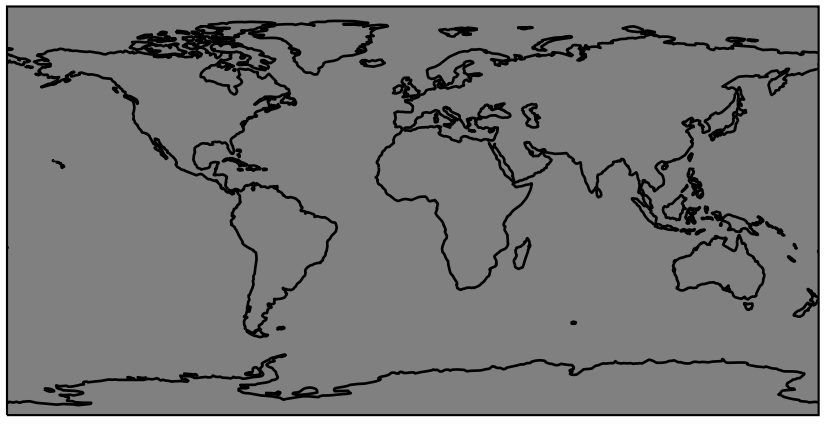
Zero throughout domain
kg/m2/s

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



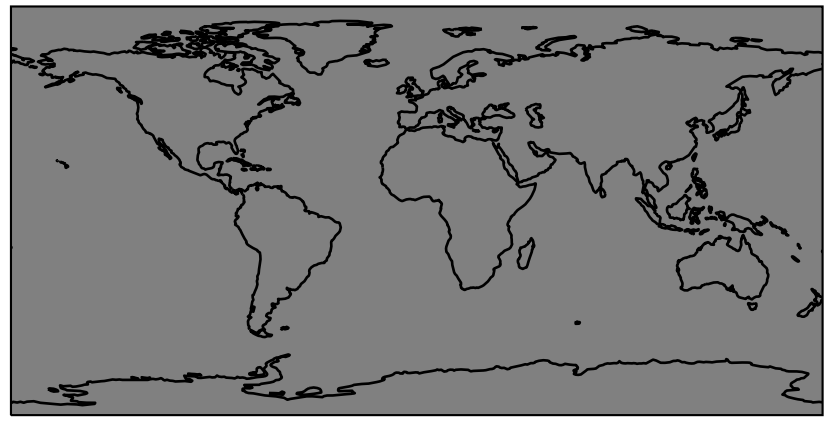
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

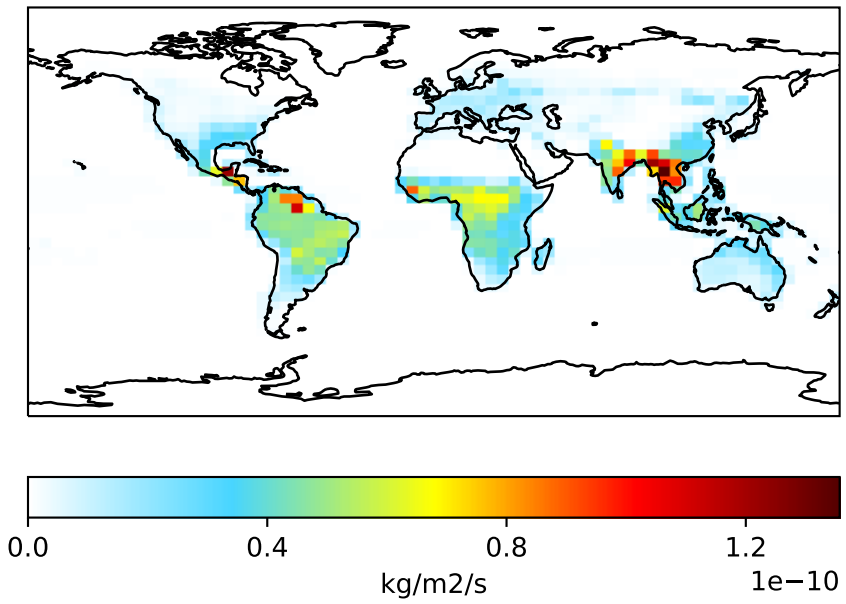
Ratio
Dev/Ref, Fixed Range



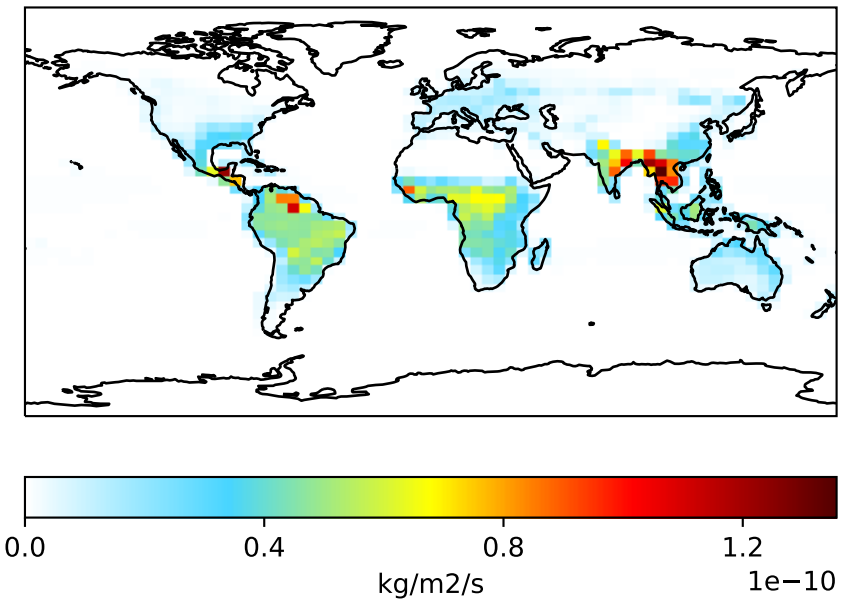
Undefined throughout domain
unitless

EmisMOH_Total (Apr2019)

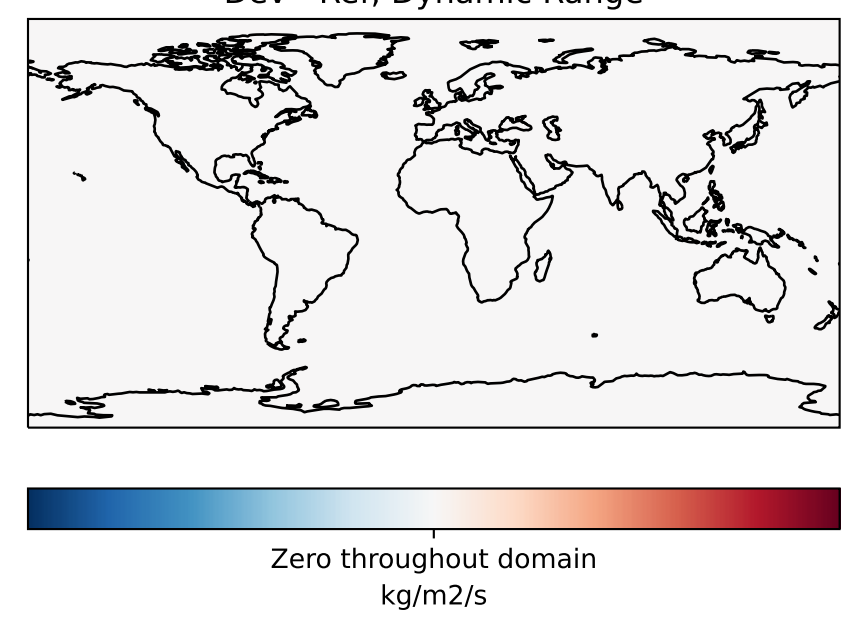
GCC_14.0.0_1yr (Ref)
4.0x5.0



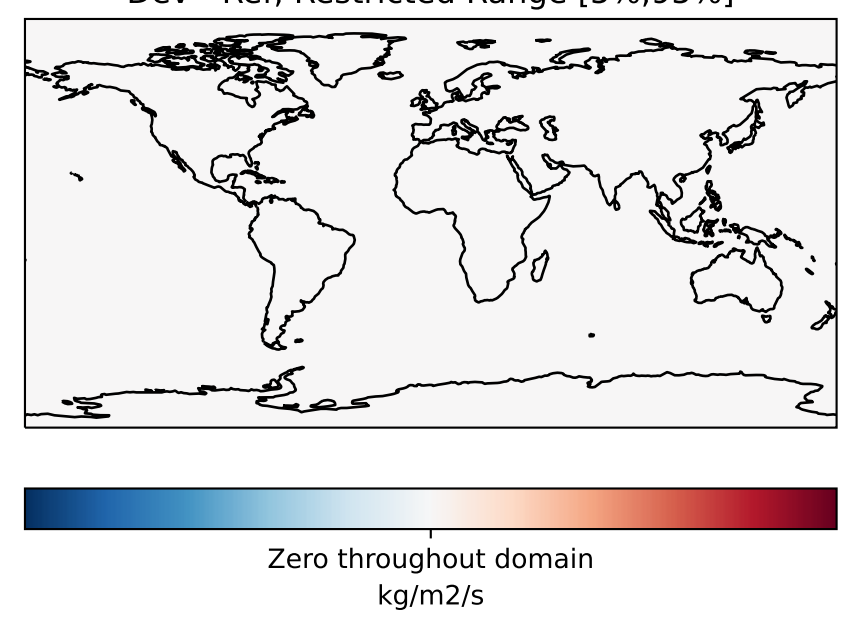
GCC_14.0.0_10yr (Dev)
4.0x5.0



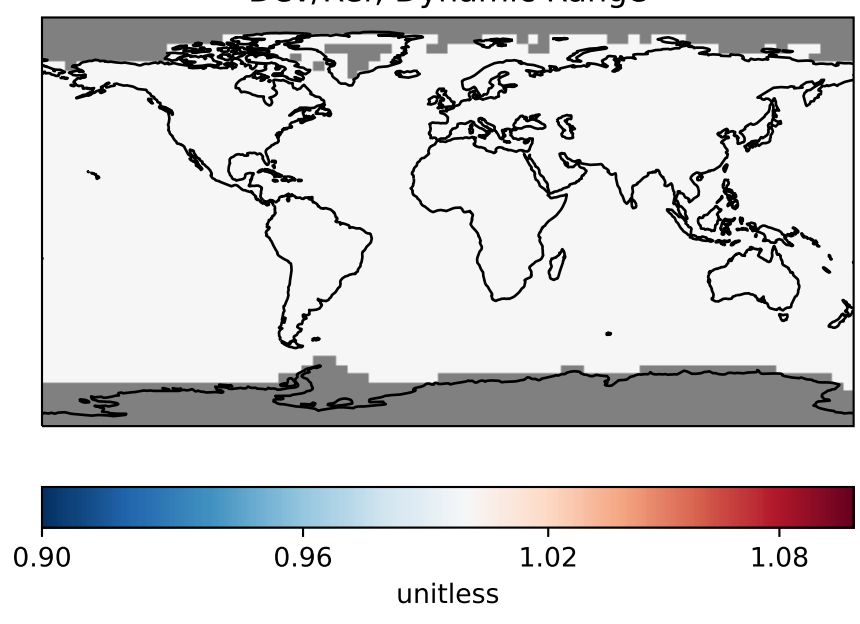
Difference
Dev - Ref, Dynamic Range



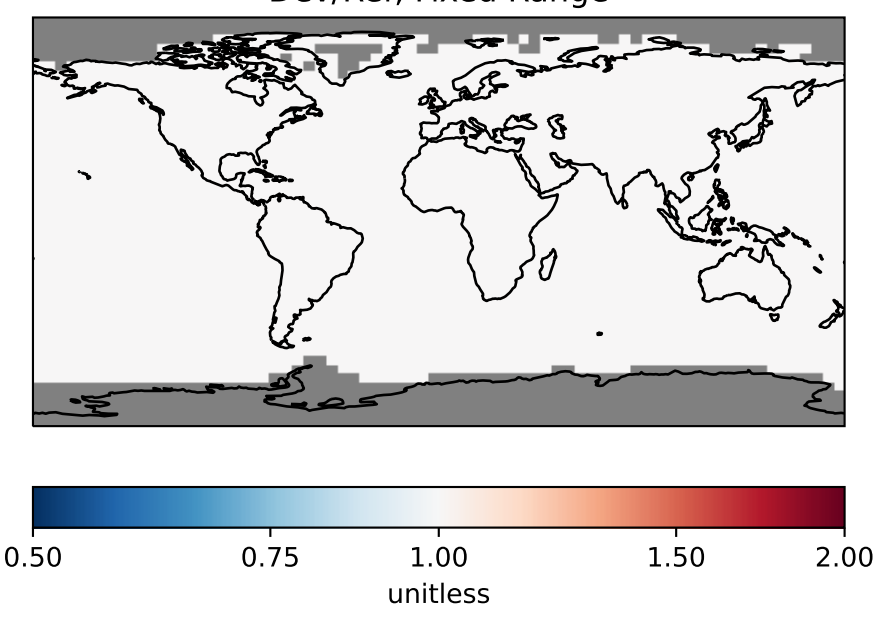
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

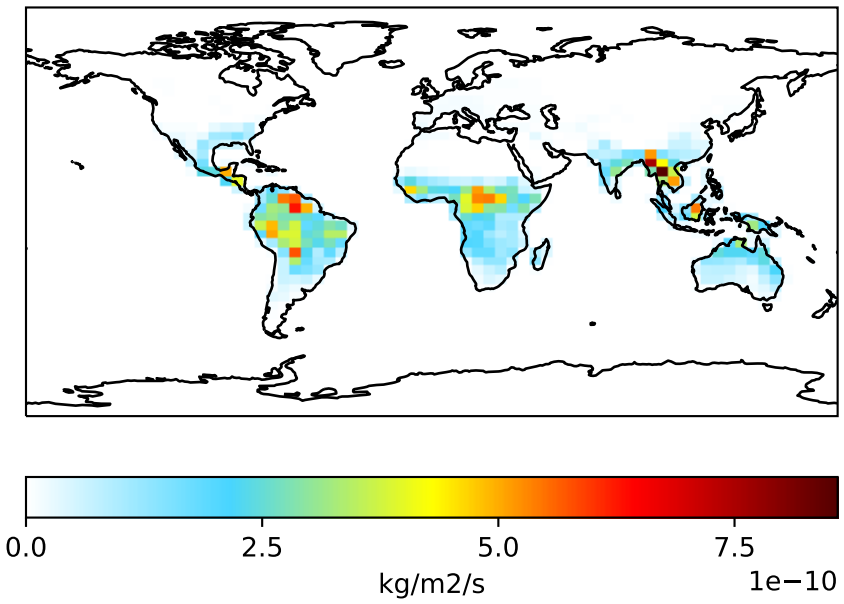


Ratio
Dev/Ref, Fixed Range

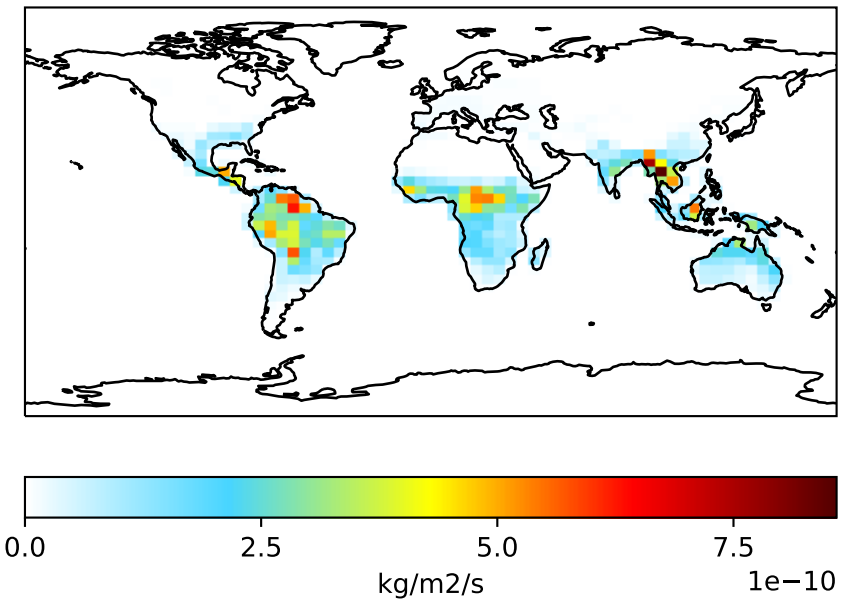


EmisISOP_Biogenic (Apr2019)

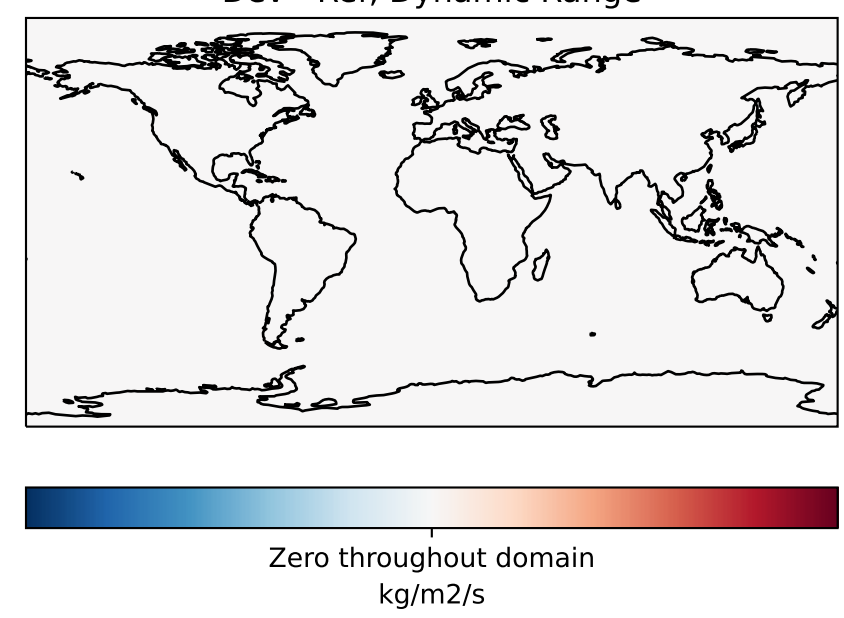
GCC_14.0.0_1yr (Ref)
4.0x5.0



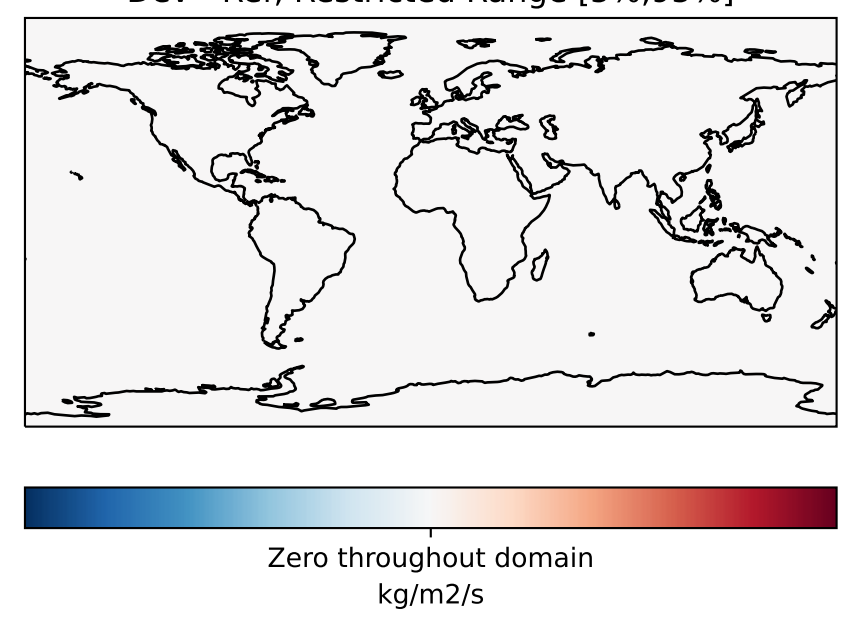
GCC_14.0.0_10yr (Dev)
4.0x5.0



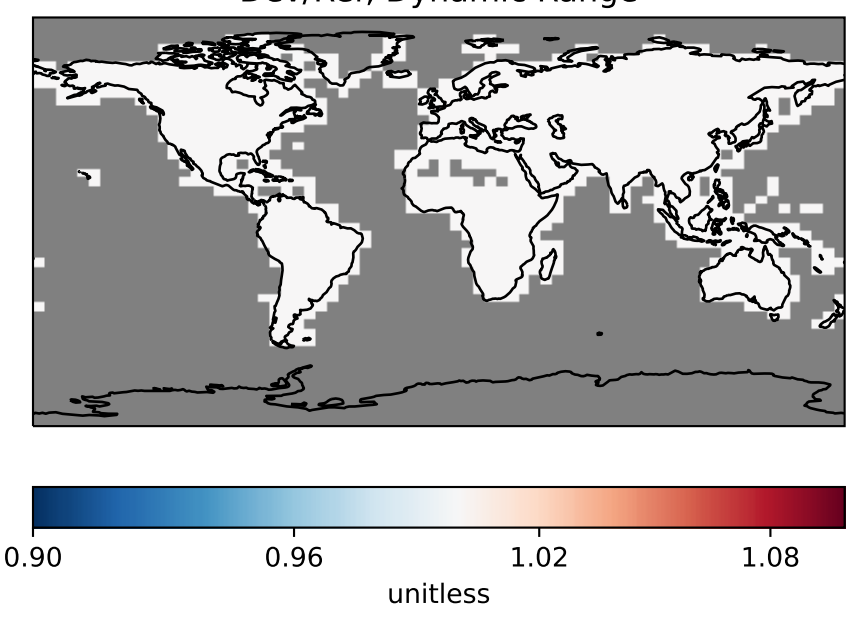
Difference
Dev - Ref, Dynamic Range



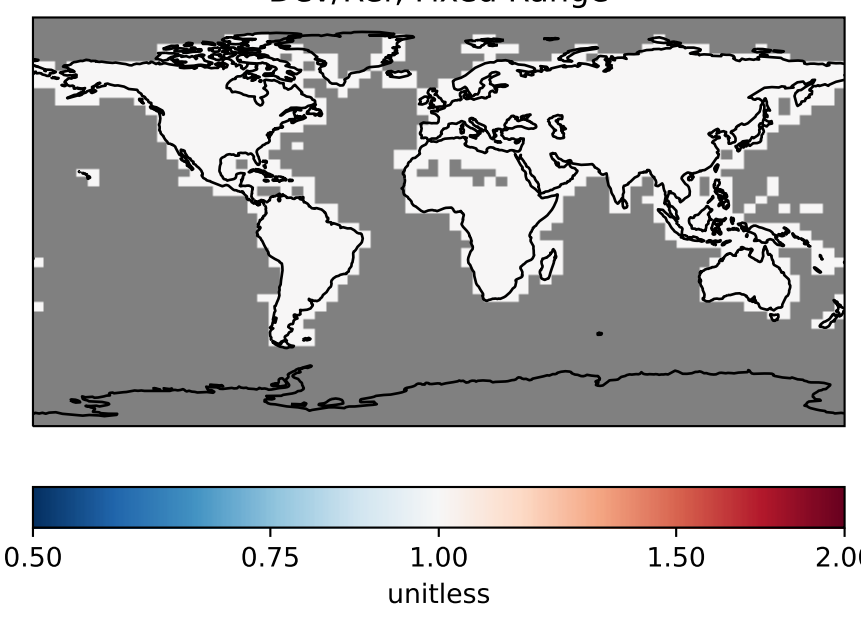
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

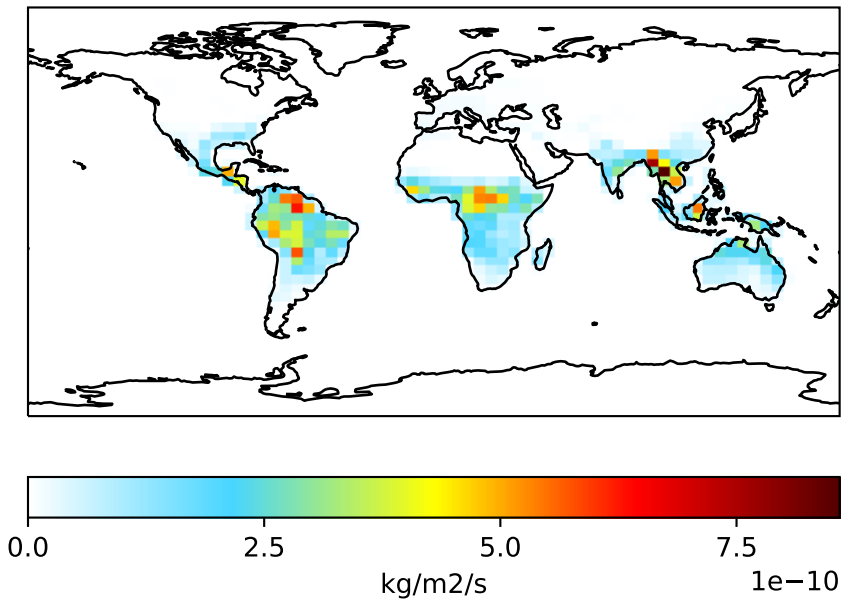


Ratio
Dev/Ref, Fixed Range

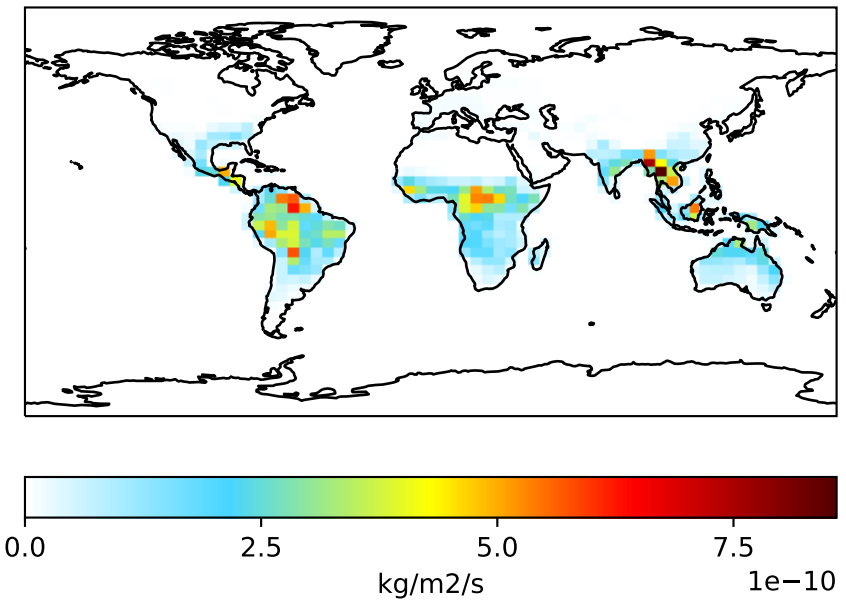


EmisISOP_Total (Apr2019)

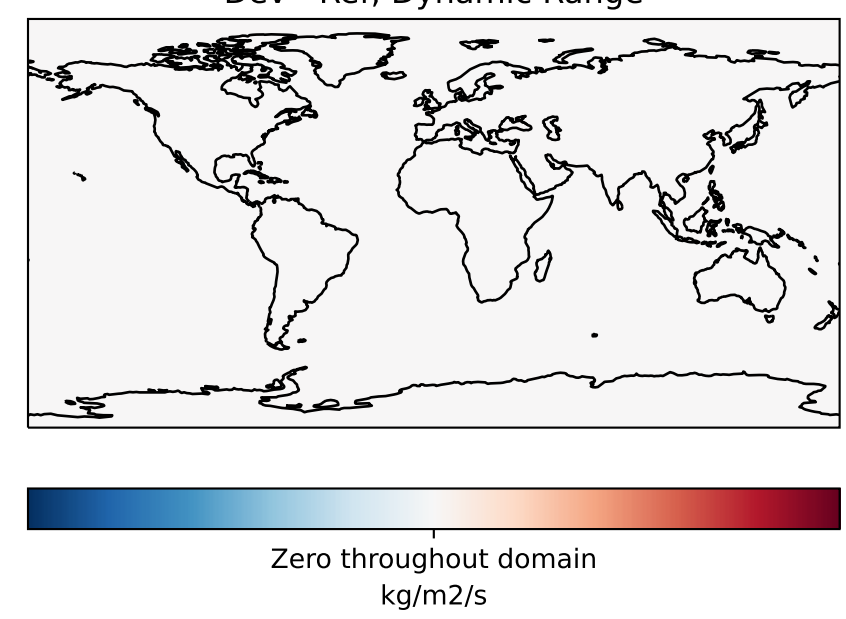
GCC_14.0.0_1yr (Ref)
4.0x5.0



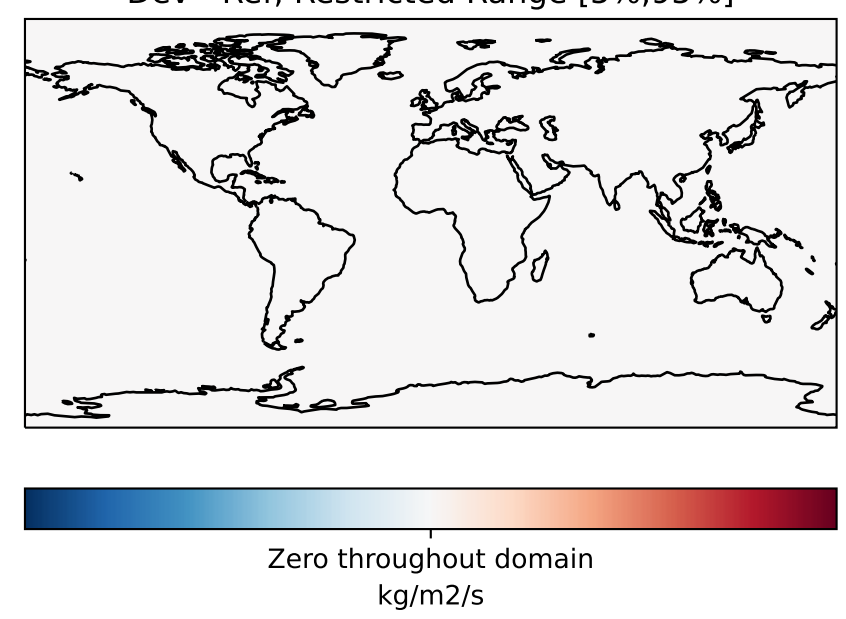
GCC_14.0.0_10yr (Dev)
4.0x5.0



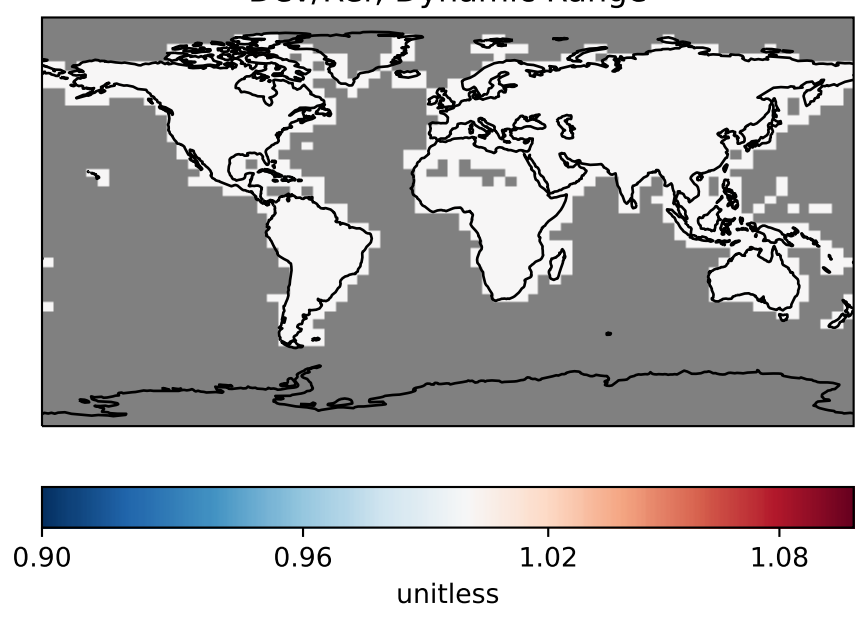
Difference
Dev - Ref, Dynamic Range



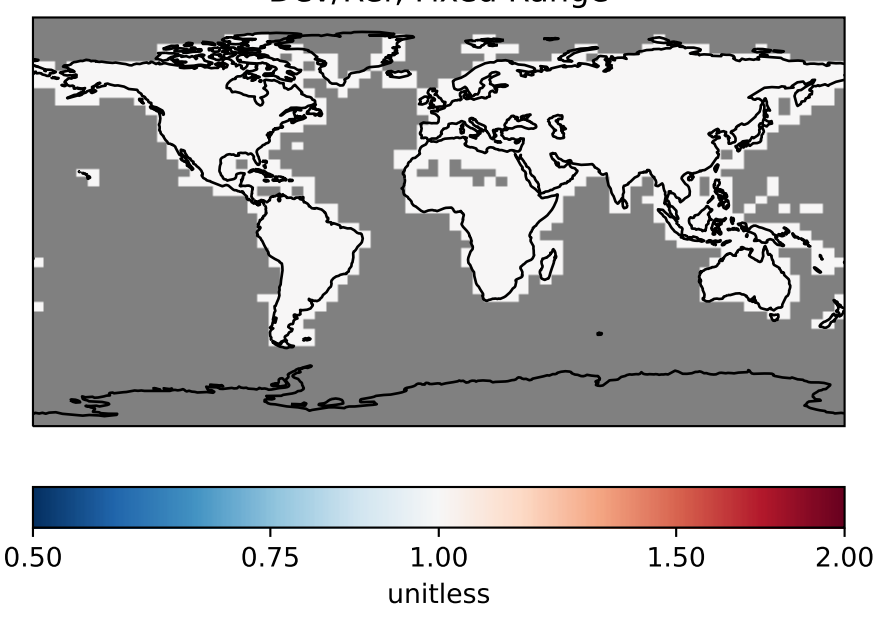
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

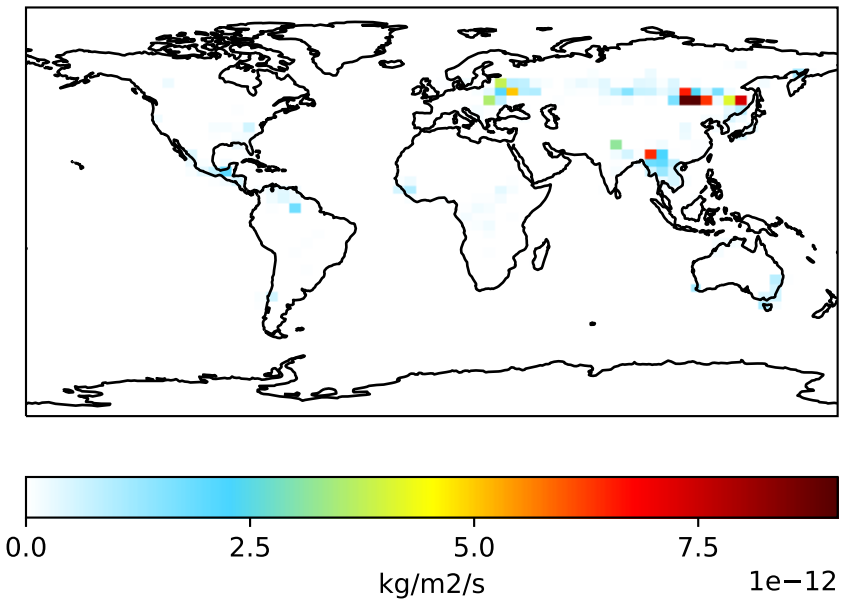


Ratio
Dev/Ref, Fixed Range

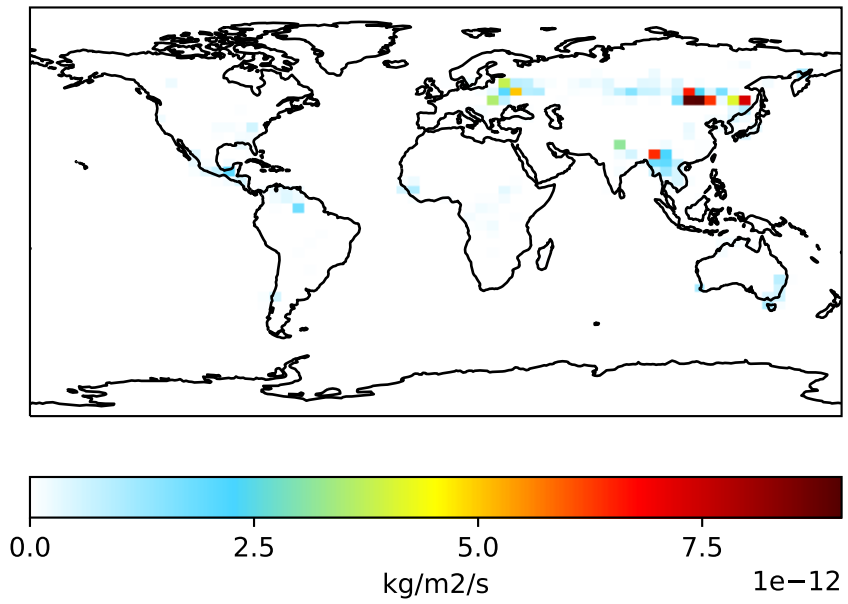


EmisMTPA_BioBurn (Apr2019)

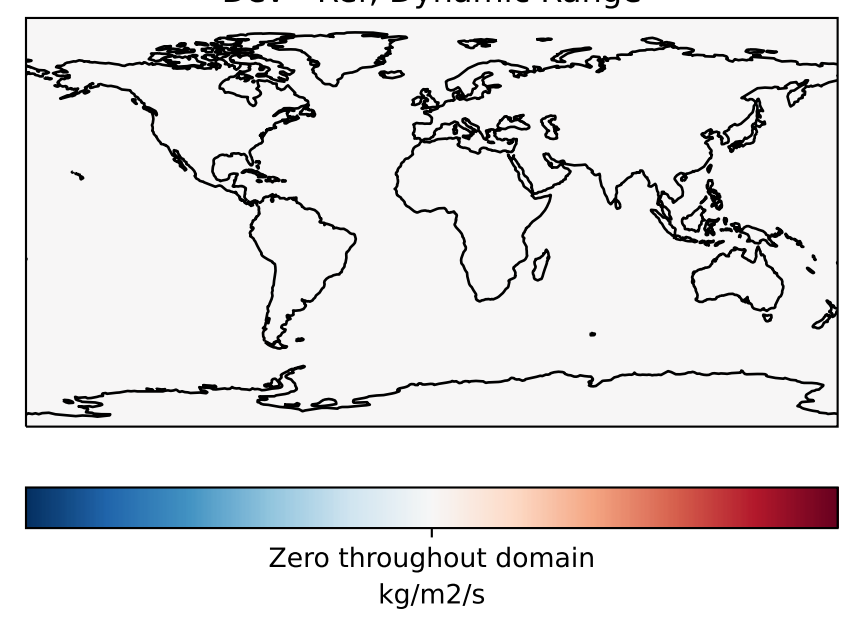
GCC_14.0.0_1yr (Ref)
4.0x5.0



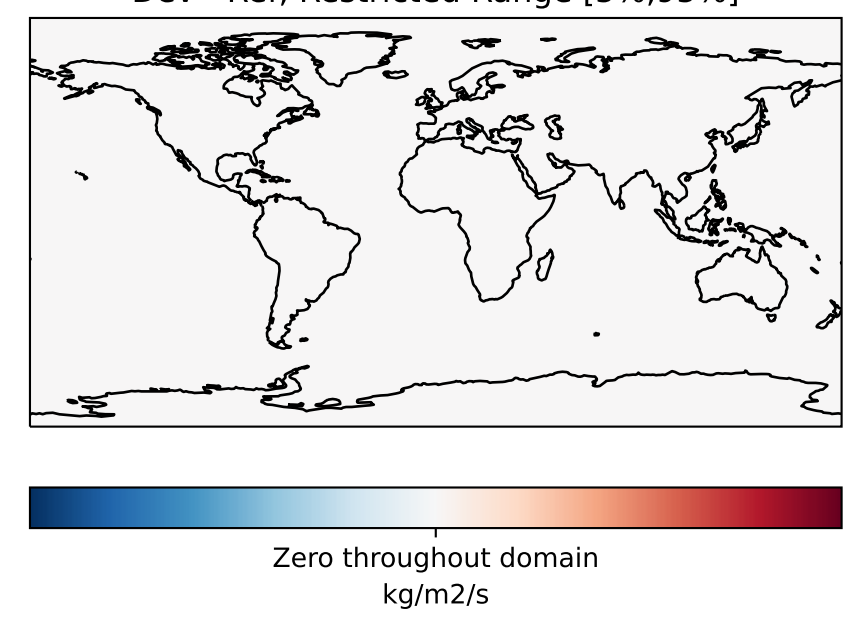
GCC_14.0.0_10yr (Dev)
4.0x5.0



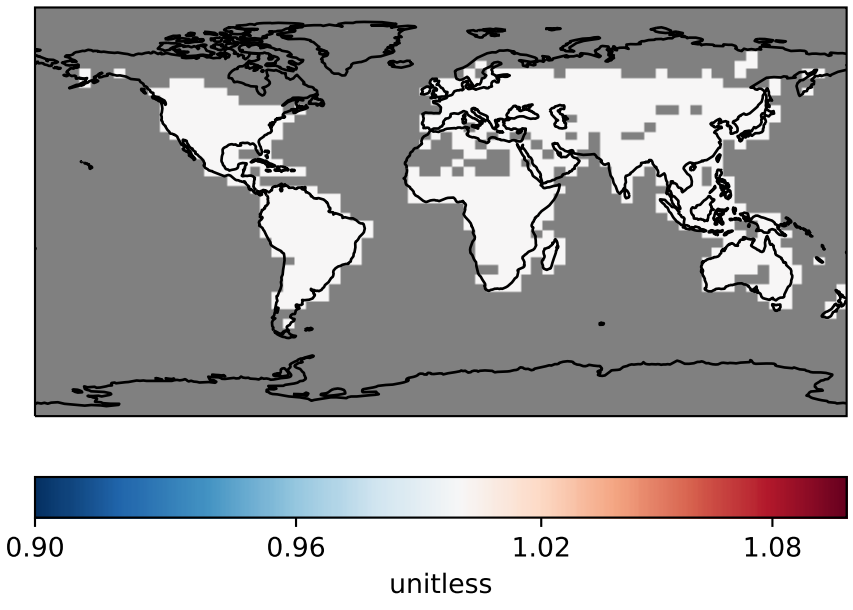
Difference
Dev - Ref, Dynamic Range



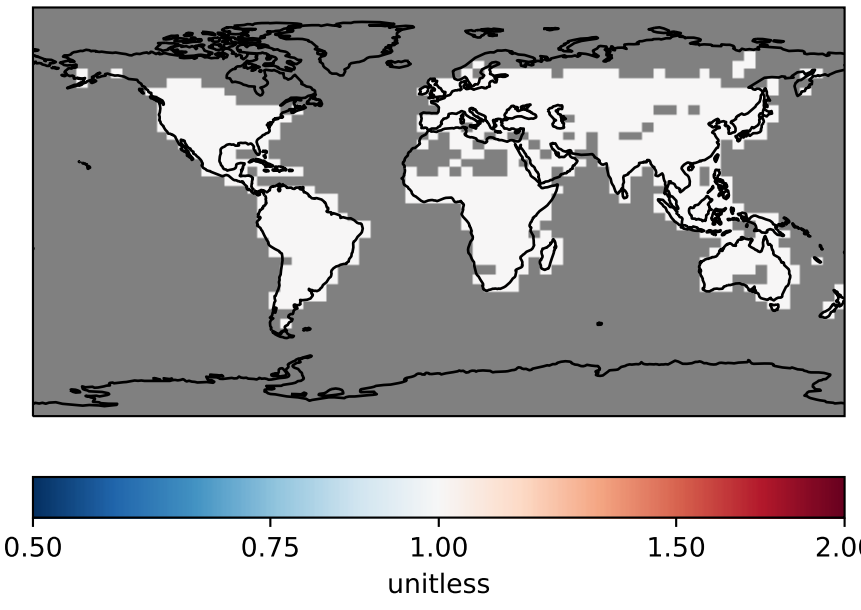
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

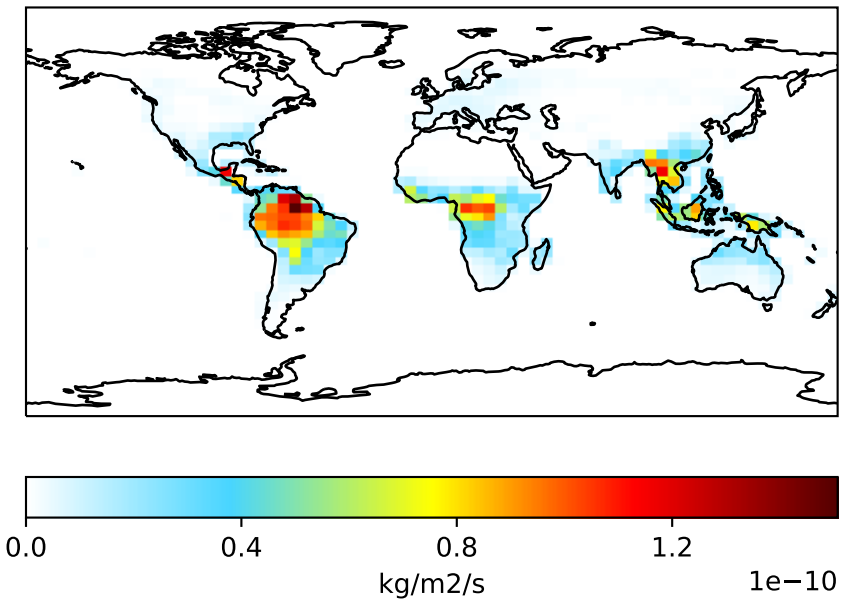


Ratio
Dev/Ref, Fixed Range

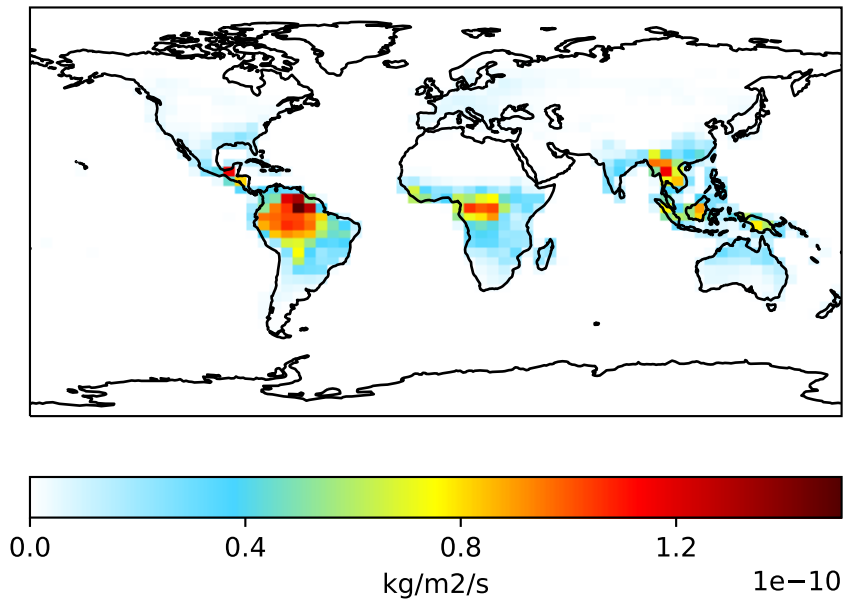


EmisMTPA_Biogenic (Apr2019)

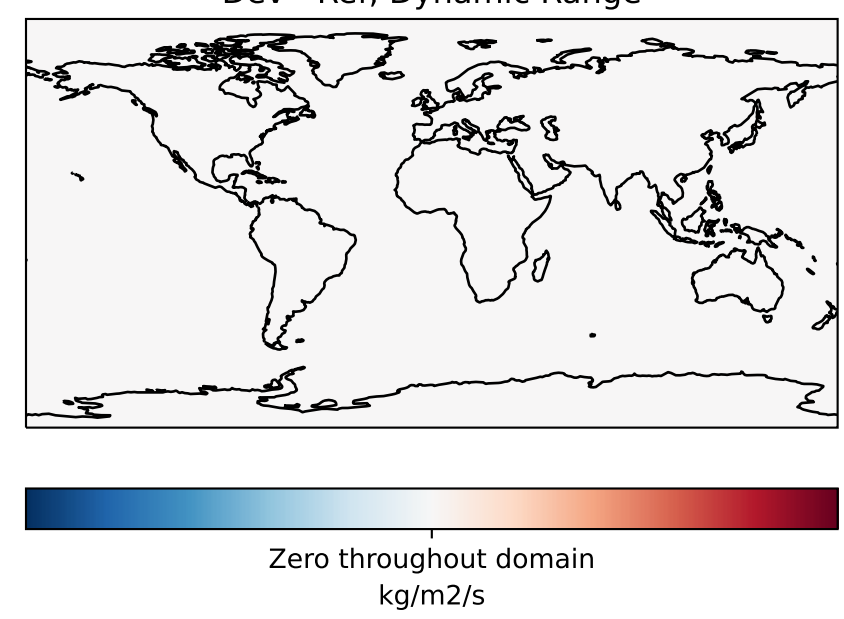
GCC_14.0.0_1yr (Ref)
4.0x5.0



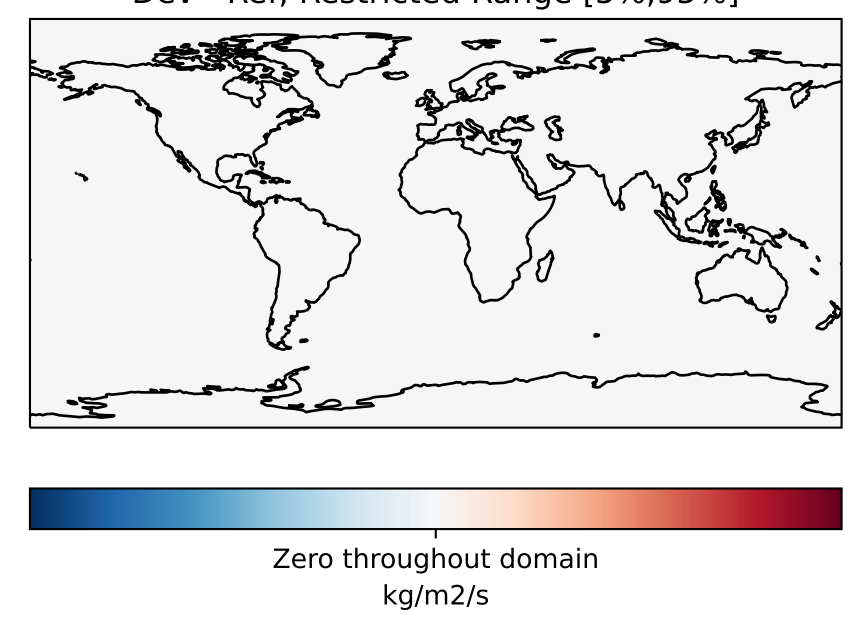
GCC_14.0.0_10yr (Dev)
4.0x5.0



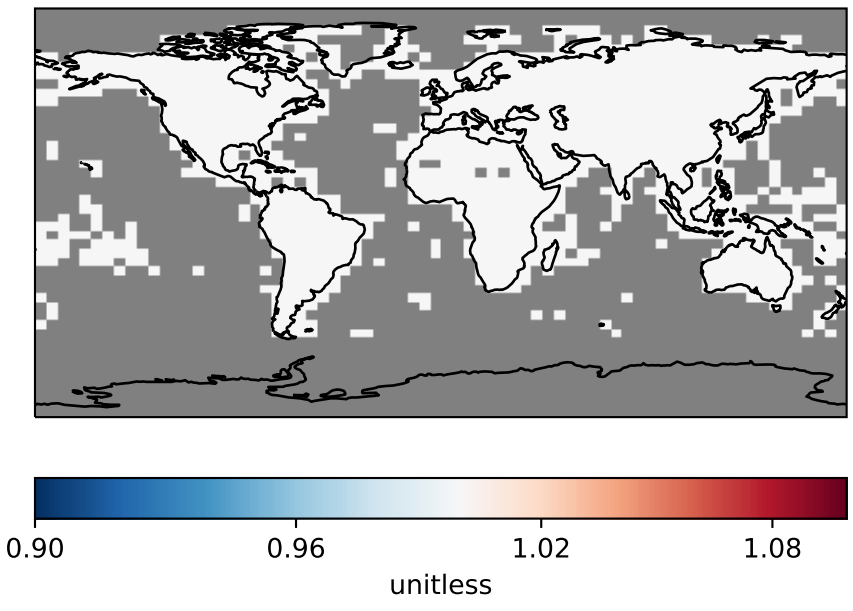
Difference
Dev - Ref, Dynamic Range



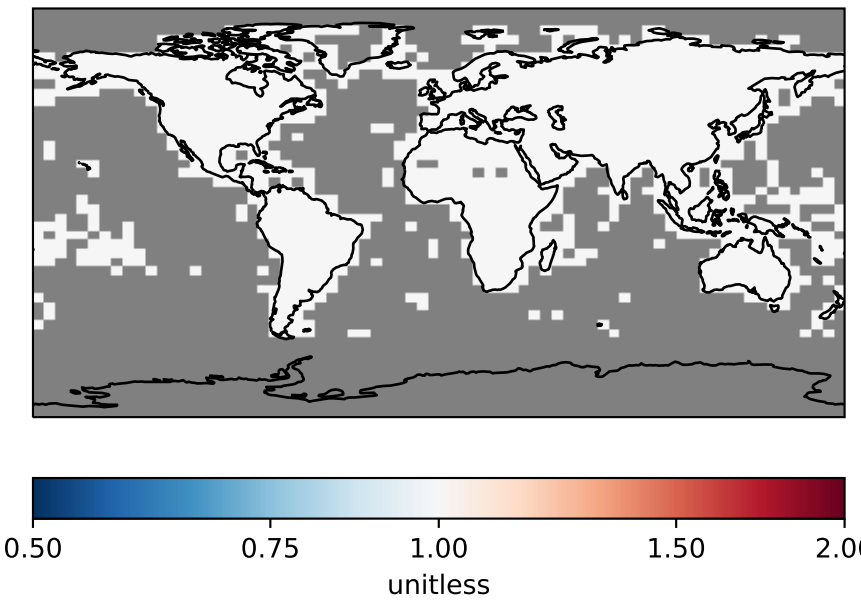
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

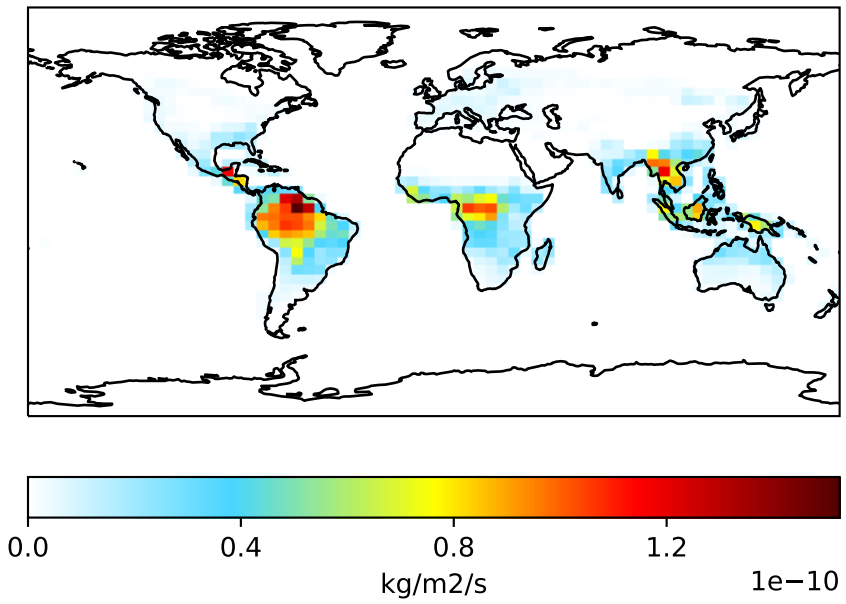


Ratio
Dev/Ref, Fixed Range

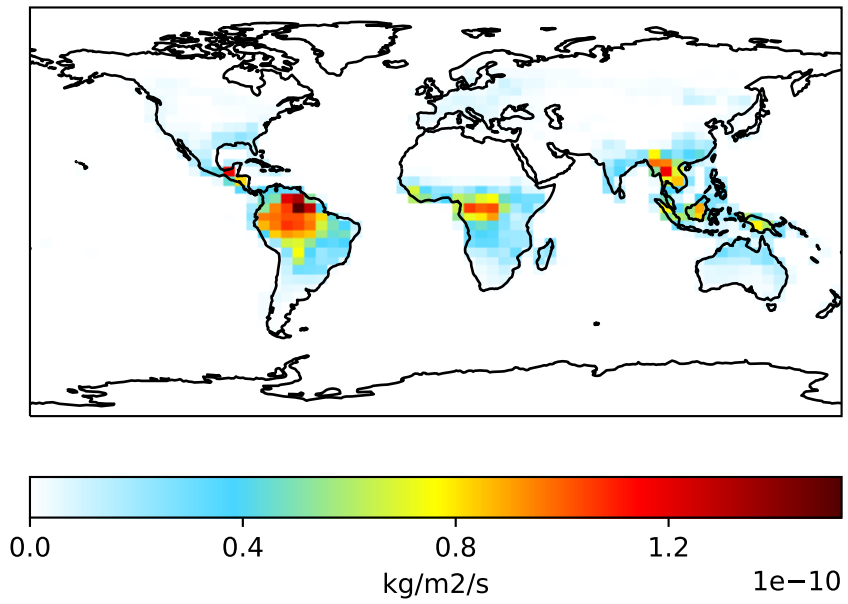


EmisMTPA_Total (Apr2019)

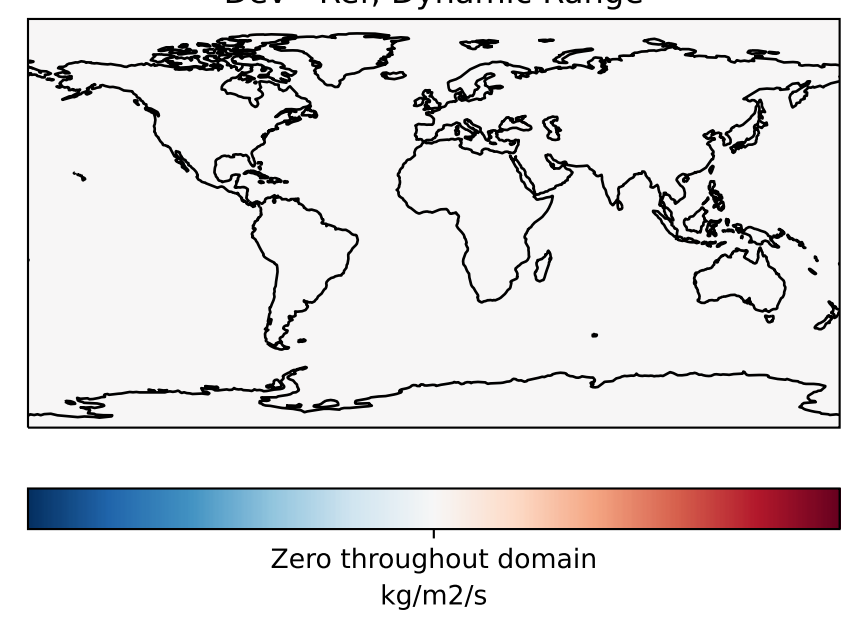
GCC_14.0.0_1yr (Ref)
4.0x5.0



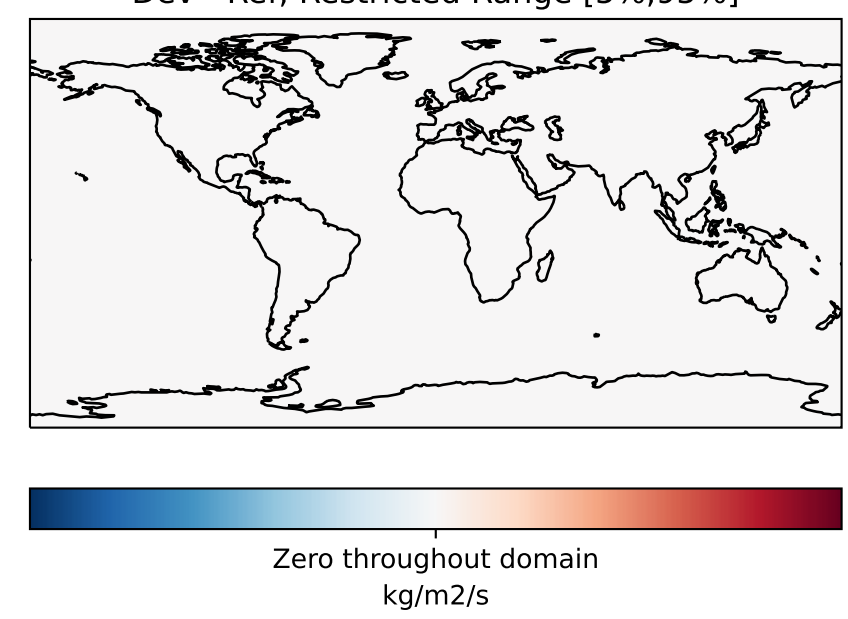
GCC_14.0.0_10yr (Dev)
4.0x5.0



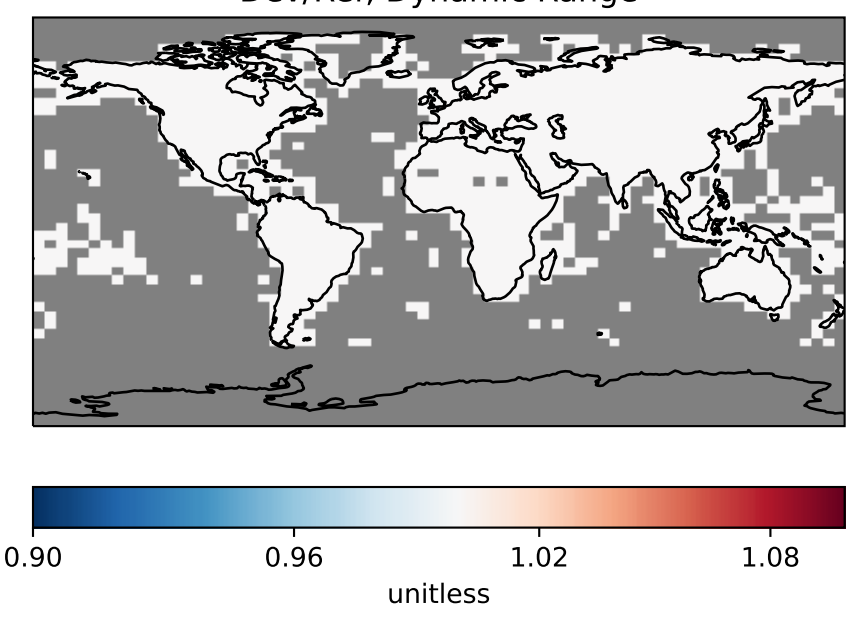
Difference
Dev - Ref, Dynamic Range



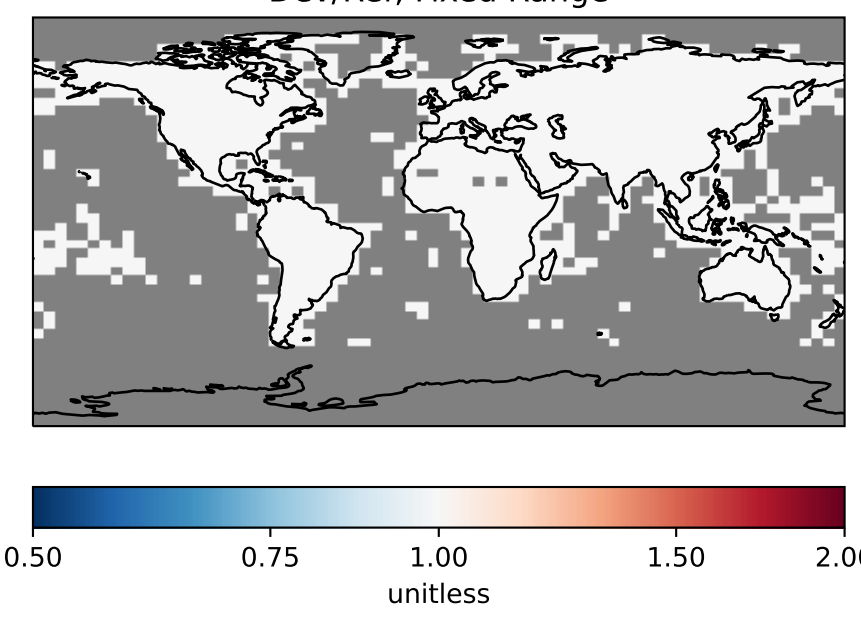
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

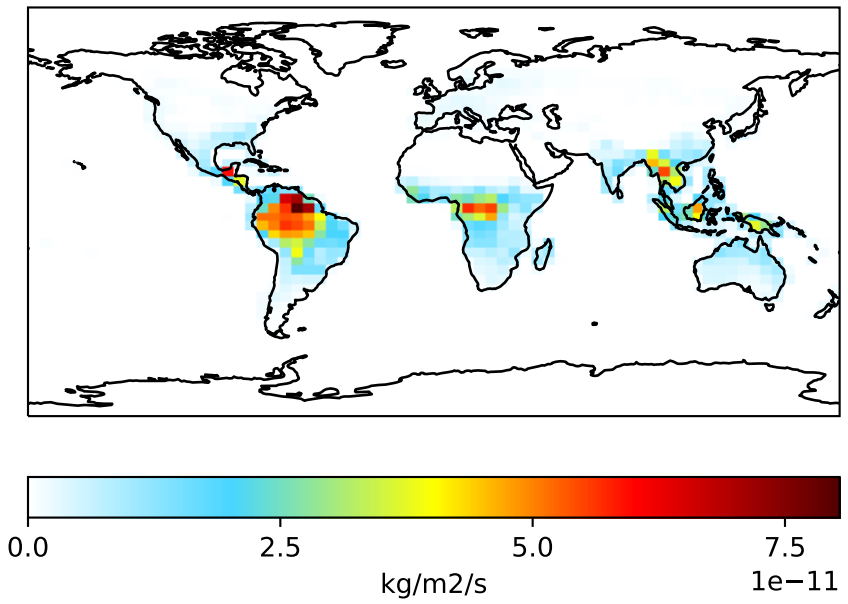


Ratio
Dev/Ref, Fixed Range

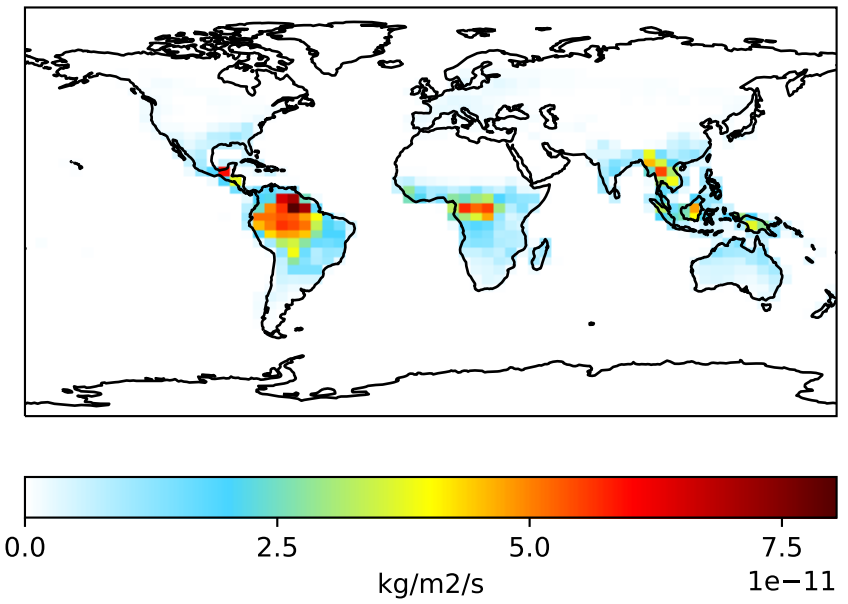


EmisMTPO_Biogenic (Apr2019)

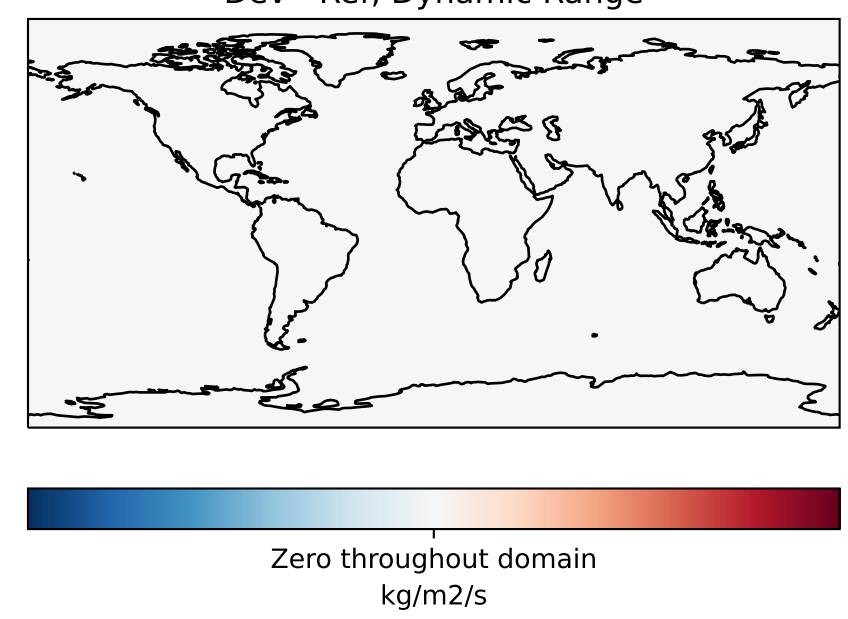
GCC_14.0.0_1yr (Ref)
4.0x5.0



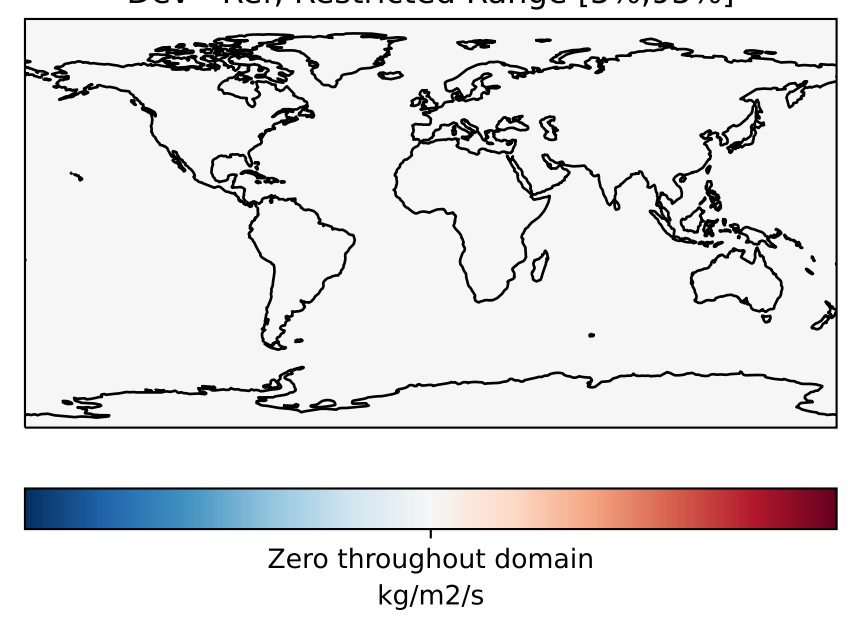
GCC_14.0.0_10yr (Dev)
4.0x5.0



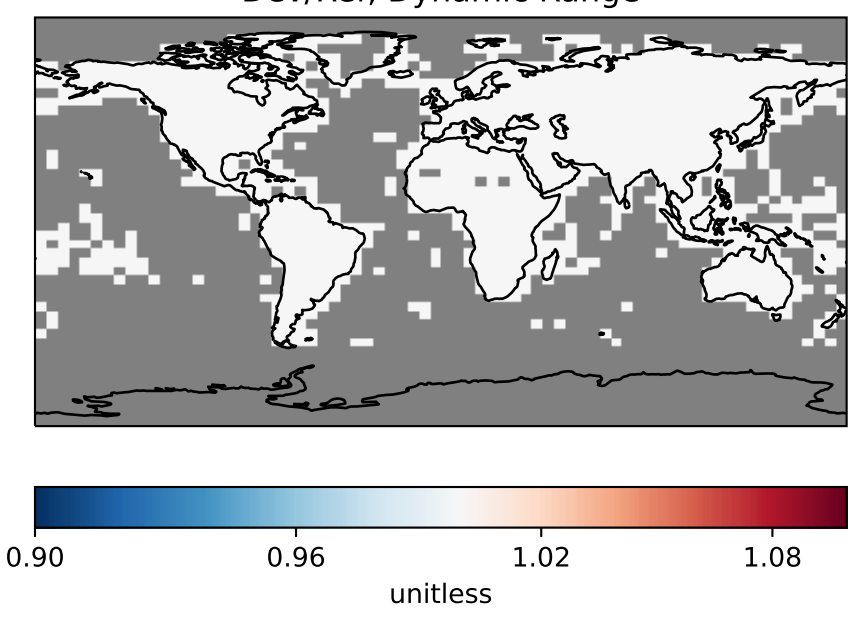
Difference
Dev - Ref, Dynamic Range



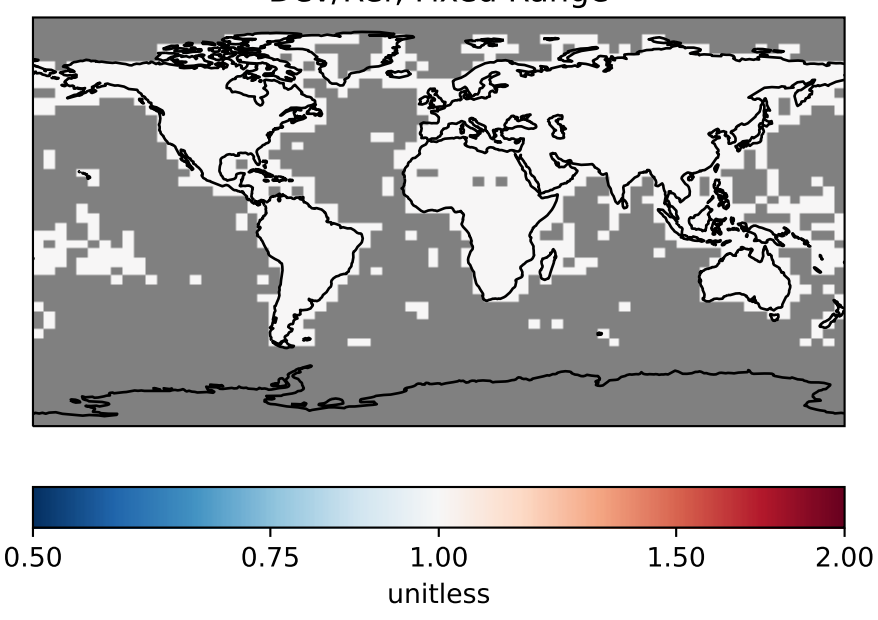
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

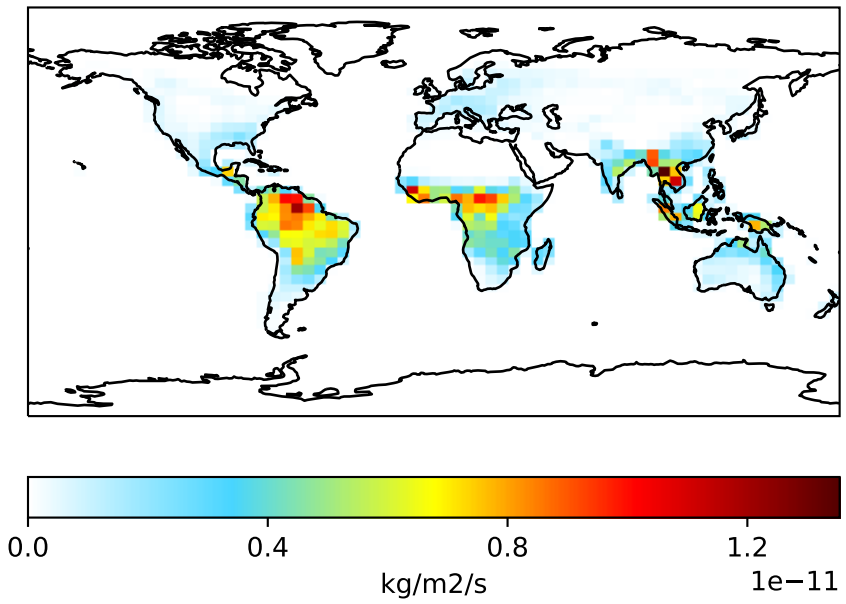


Ratio
Dev/Ref, Fixed Range

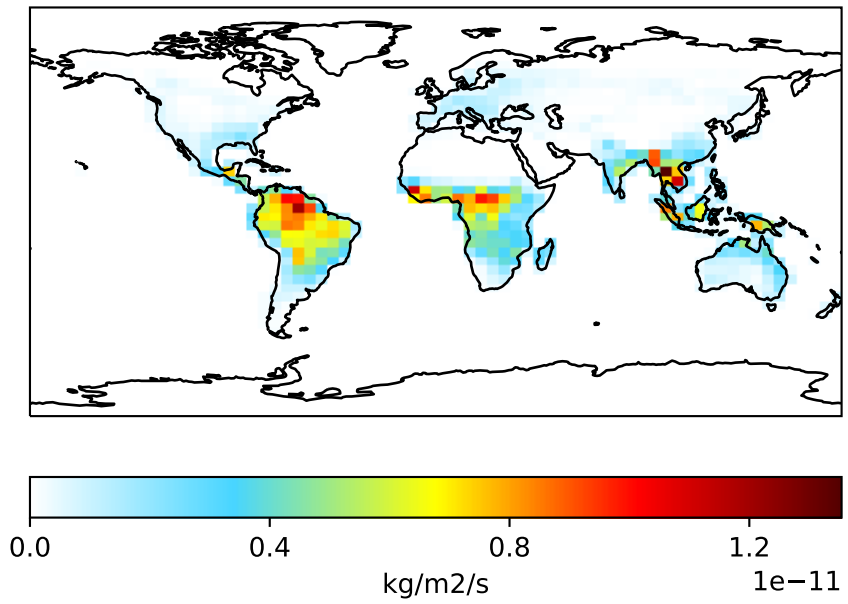


EmisLIMO_Biogenic (Apr2019)

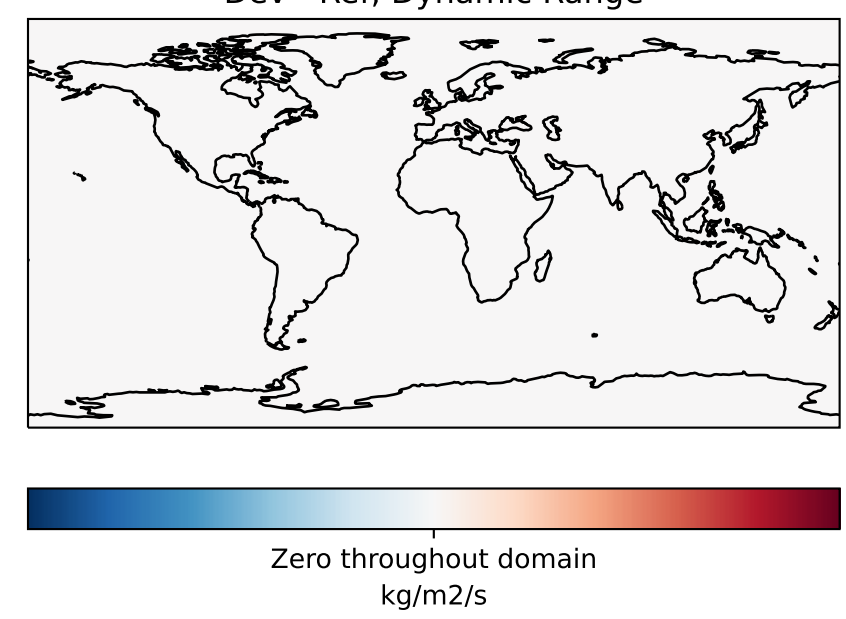
GCC_14.0.0_1yr (Ref)
4.0x5.0



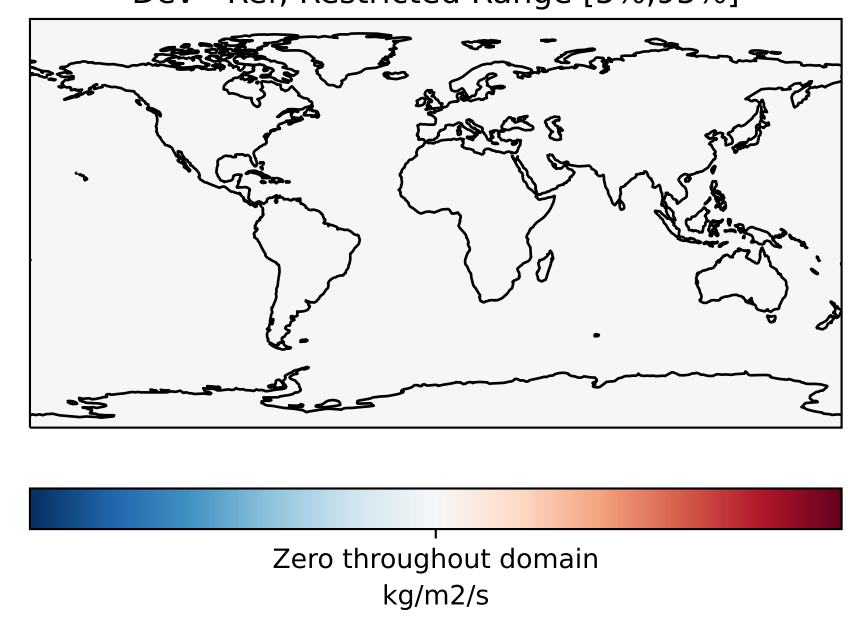
GCC_14.0.0_10yr (Dev)
4.0x5.0



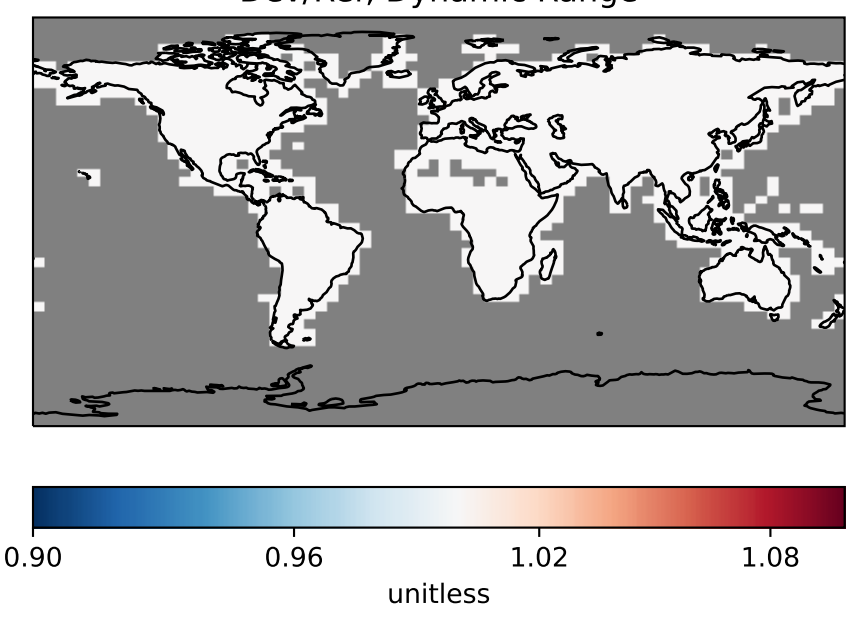
Difference
Dev - Ref, Dynamic Range



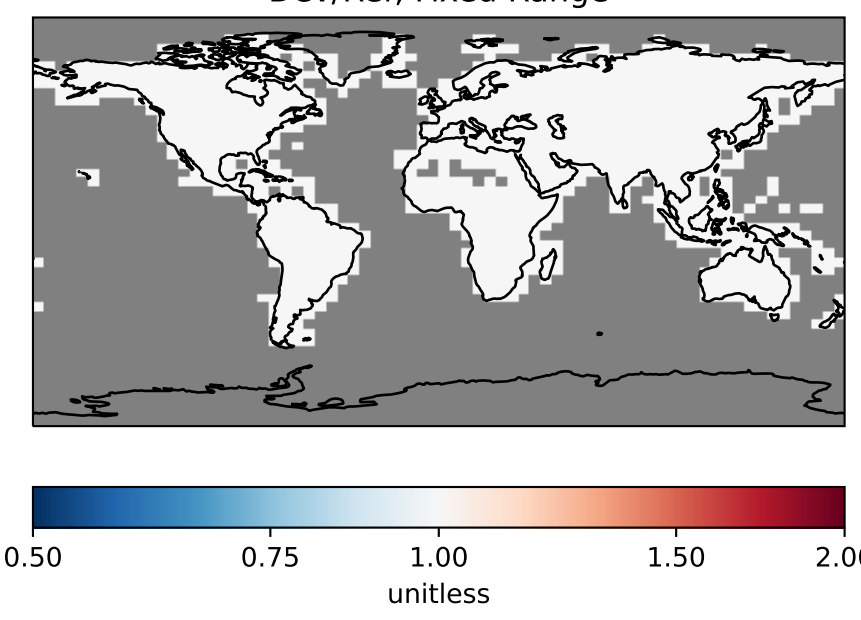
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

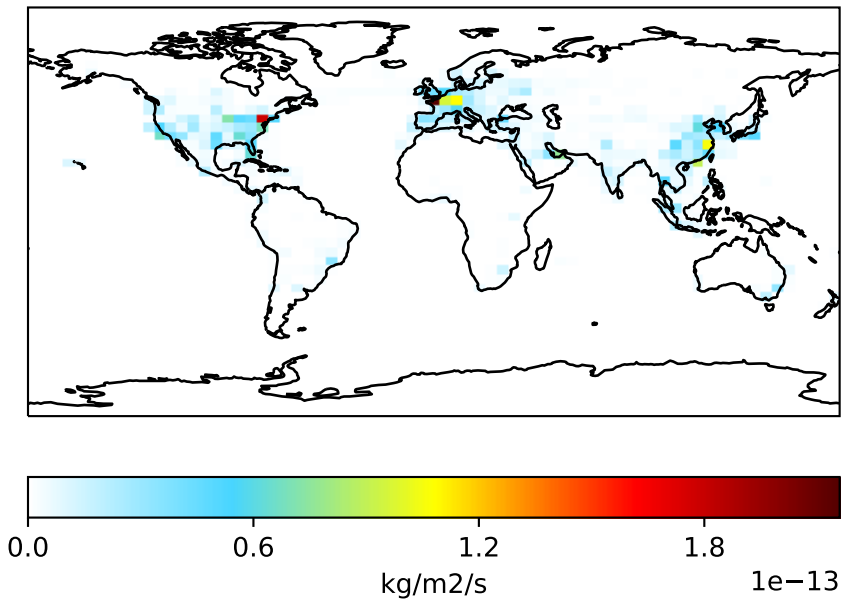


Ratio
Dev/Ref, Fixed Range

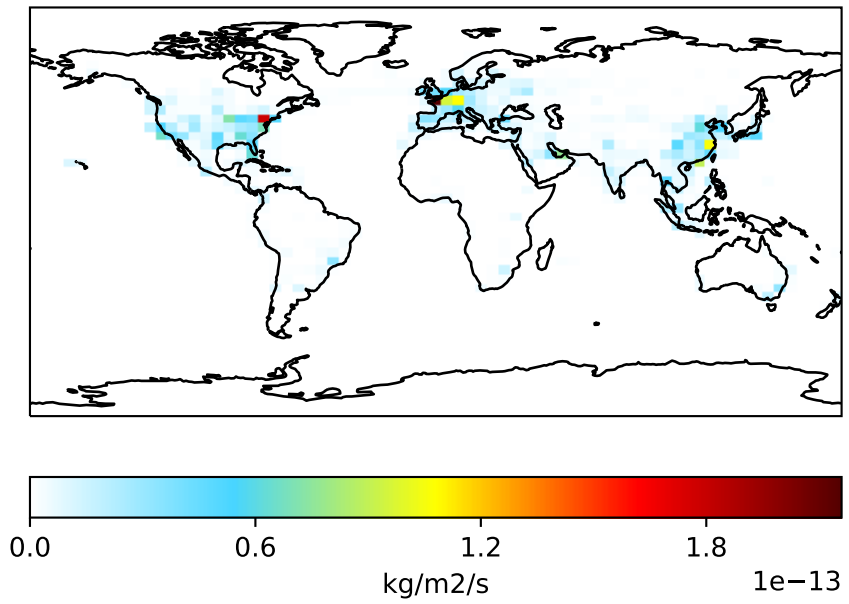


EmisALK4_Aircraft (Apr2019)

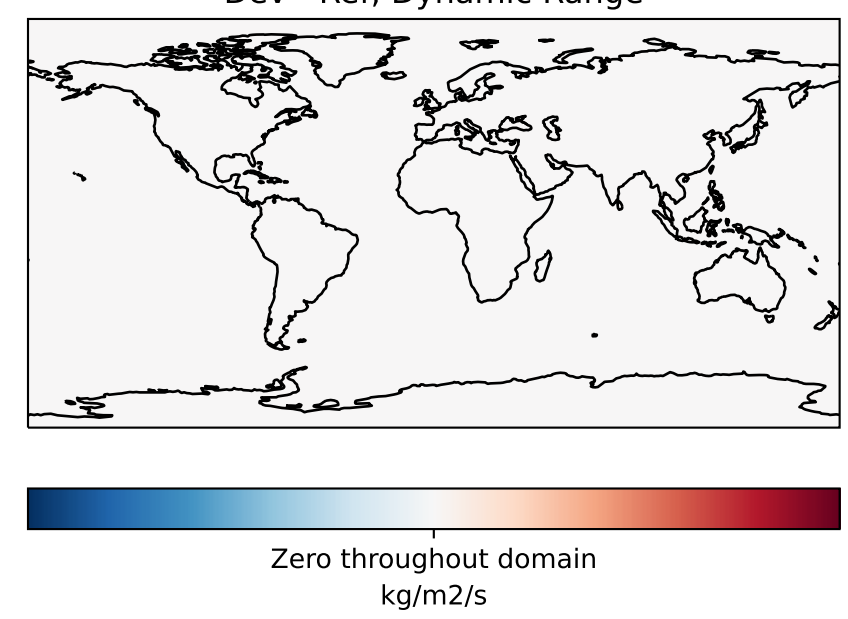
GCC_14.0.0_1yr (Ref)
4.0x5.0



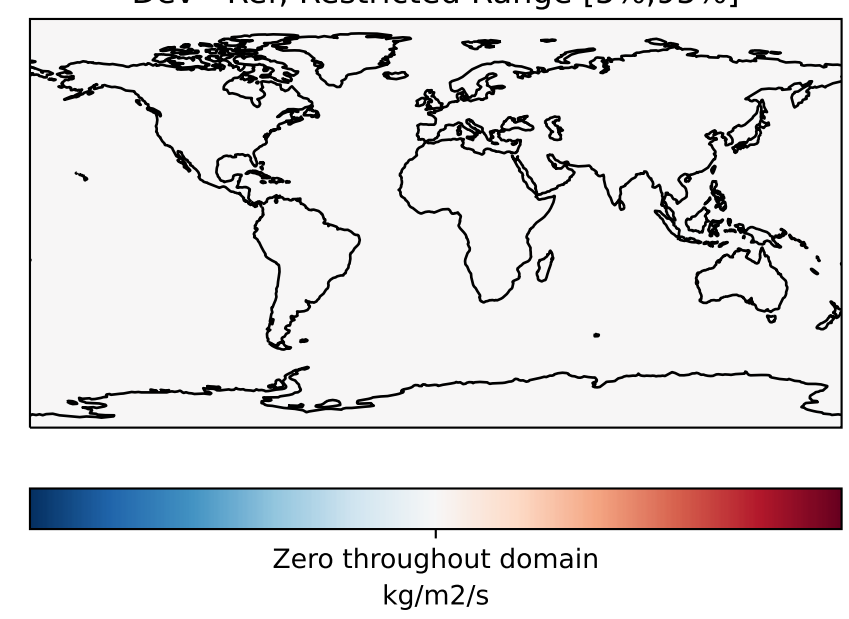
GCC_14.0.0_10yr (Dev)
4.0x5.0



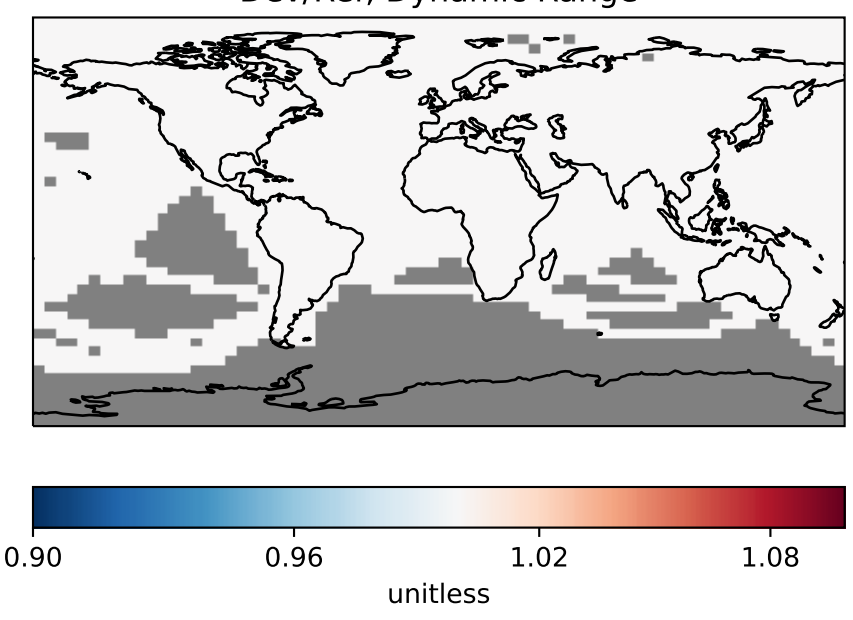
Difference
Dev - Ref, Dynamic Range



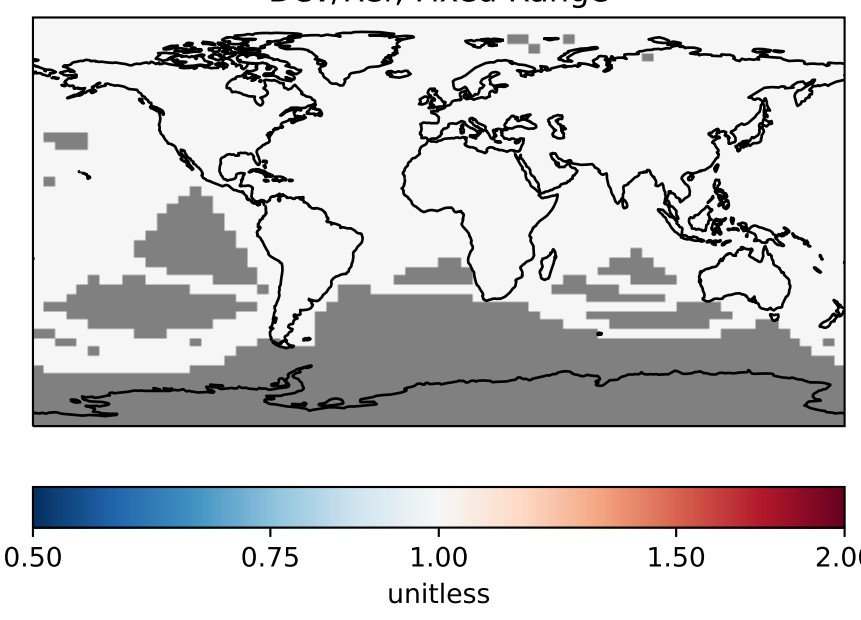
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

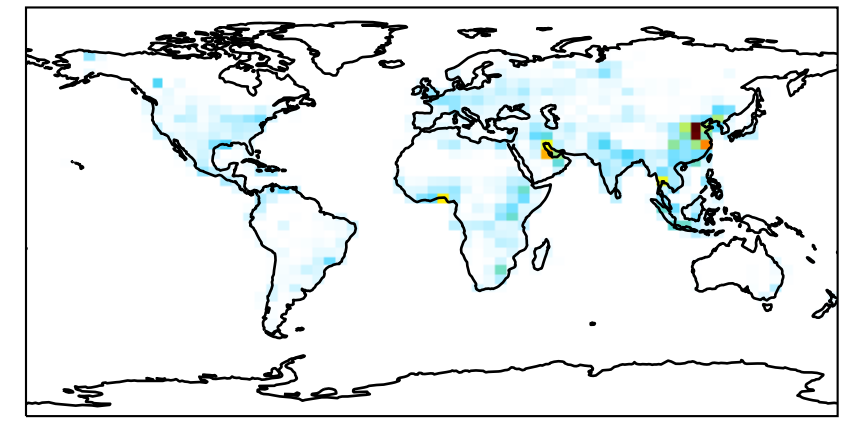


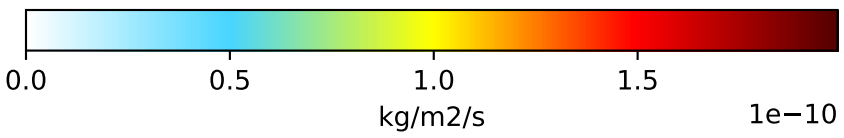
Ratio
Dev/Ref, Fixed Range



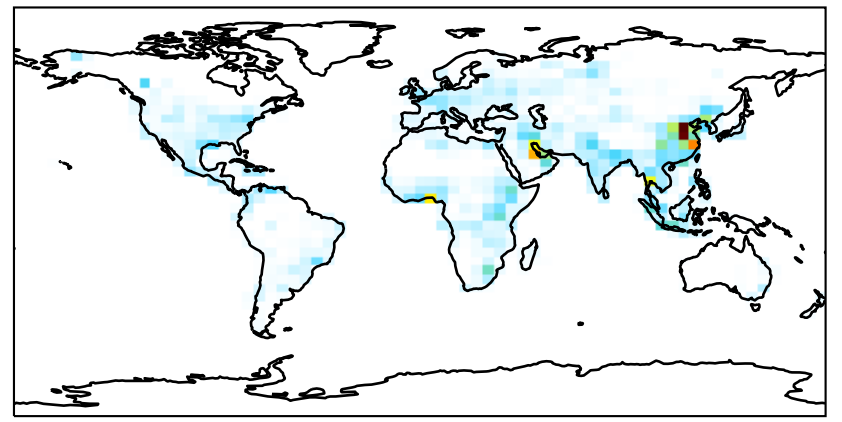
EmisALK4_Anthro (Apr2019)

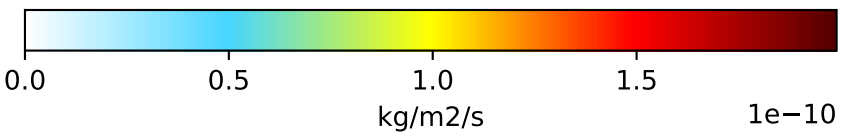
GCC_14.0.0_1yr (Ref)
4.0x5.0



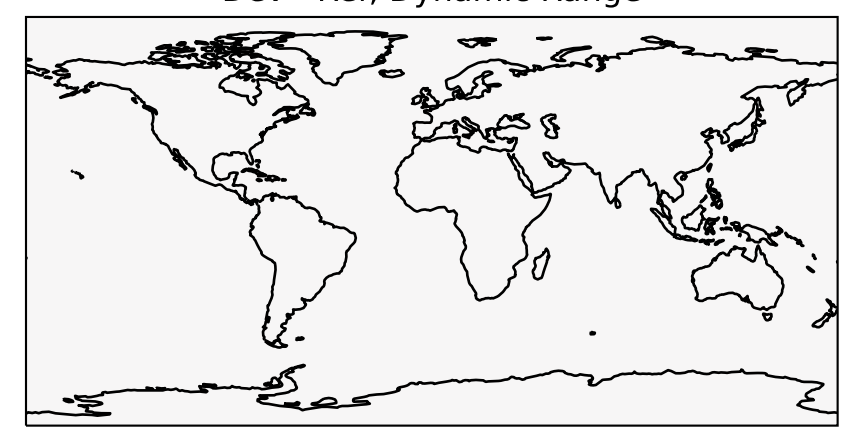


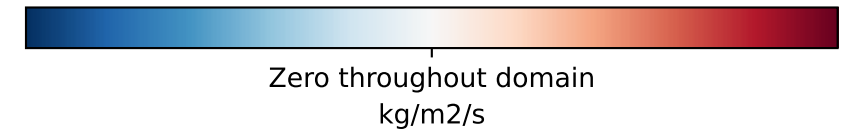
GCC_14.0.0_10yr (Dev)
4.0x5.0



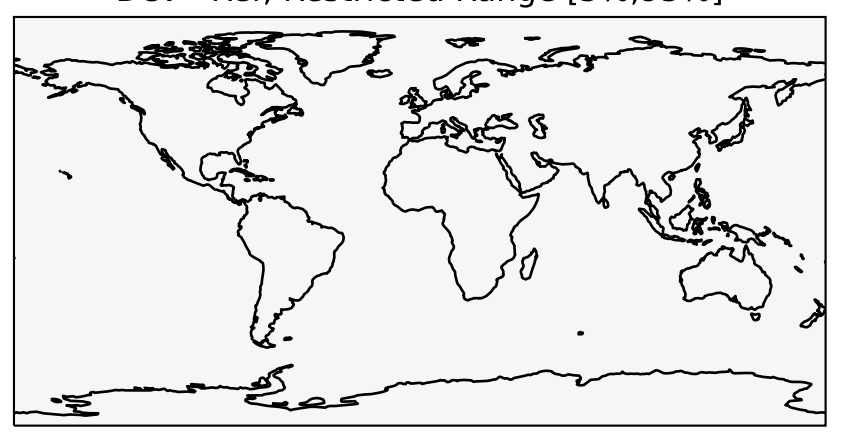


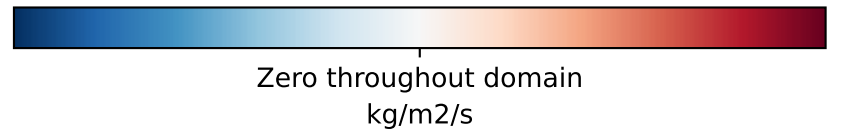
Difference
Dev - Ref, Dynamic Range



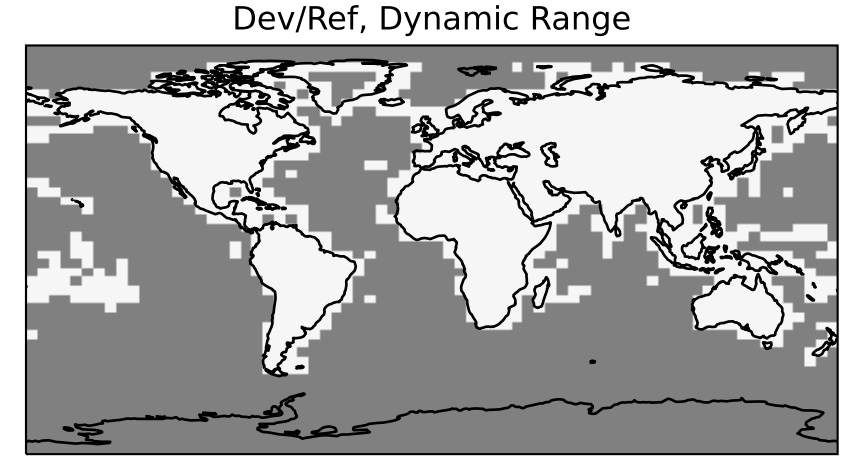


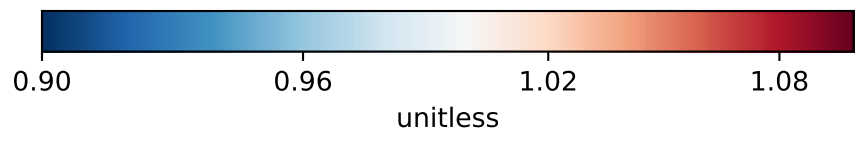
Difference
Dev - Ref, Restricted Range [5%,95%]



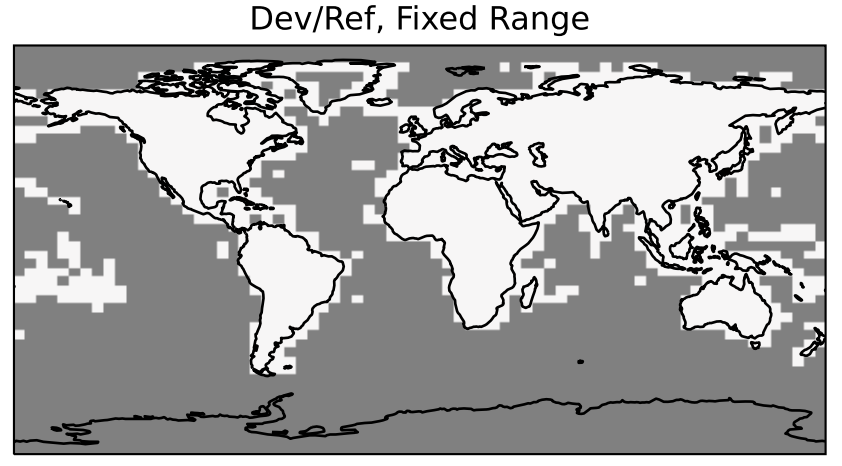


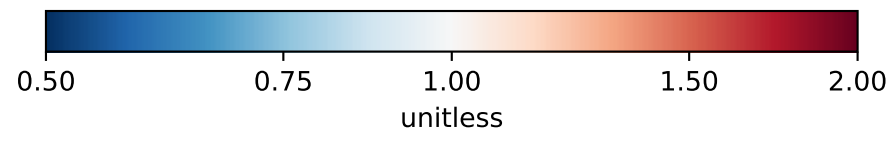
Ratio
Dev/Ref, Dynamic Range





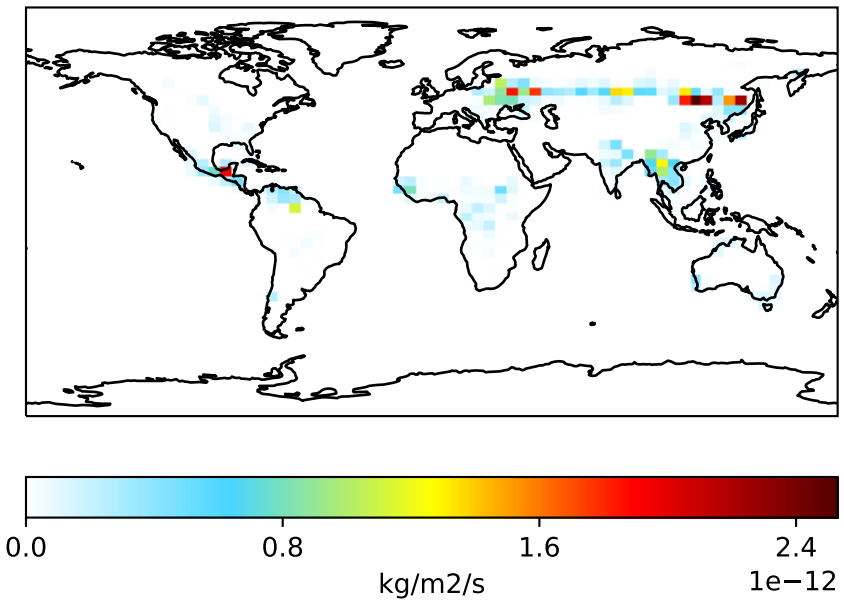
Ratio
Dev/Ref, Fixed Range



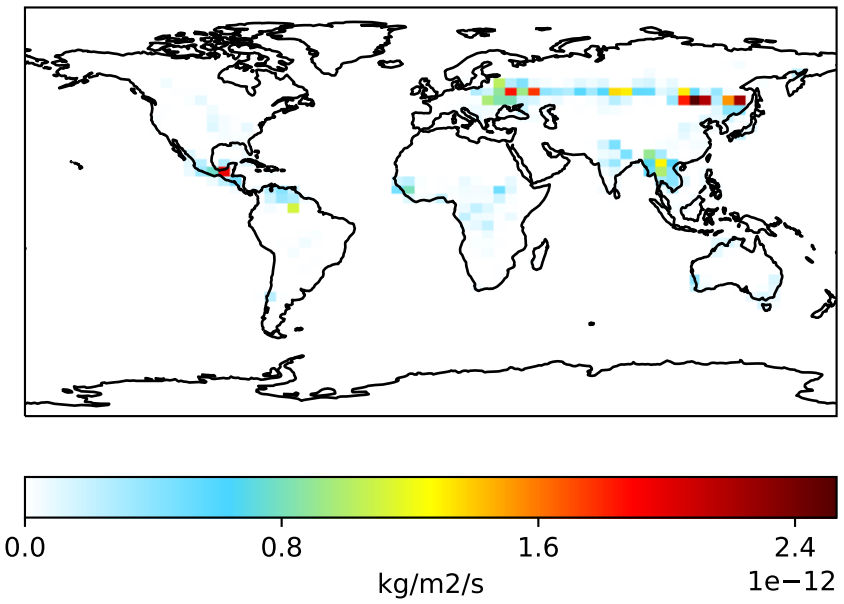


EmisALK4_BioBurn (Apr2019)

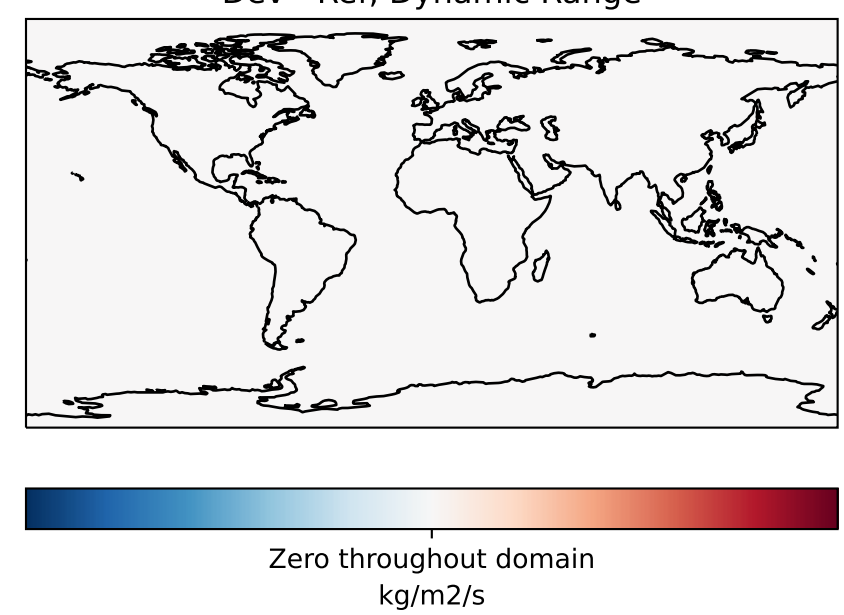
GCC_14.0.0_1yr (Ref)
4.0x5.0



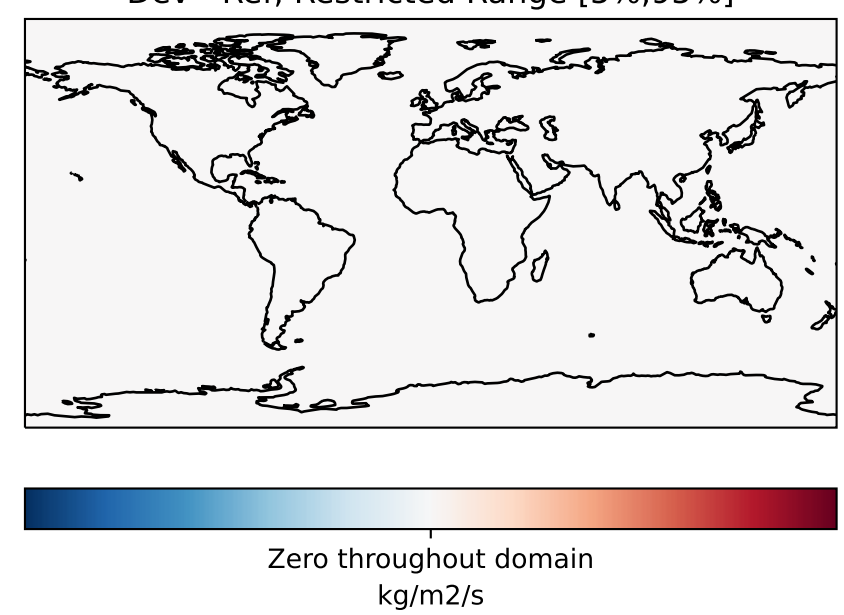
GCC_14.0.0_10yr (Dev)
4.0x5.0



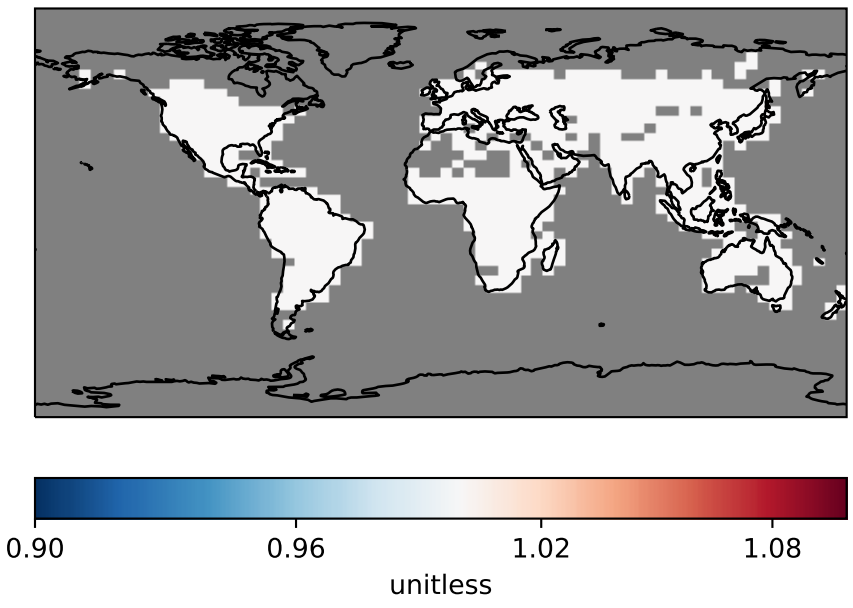
Difference
Dev - Ref, Dynamic Range



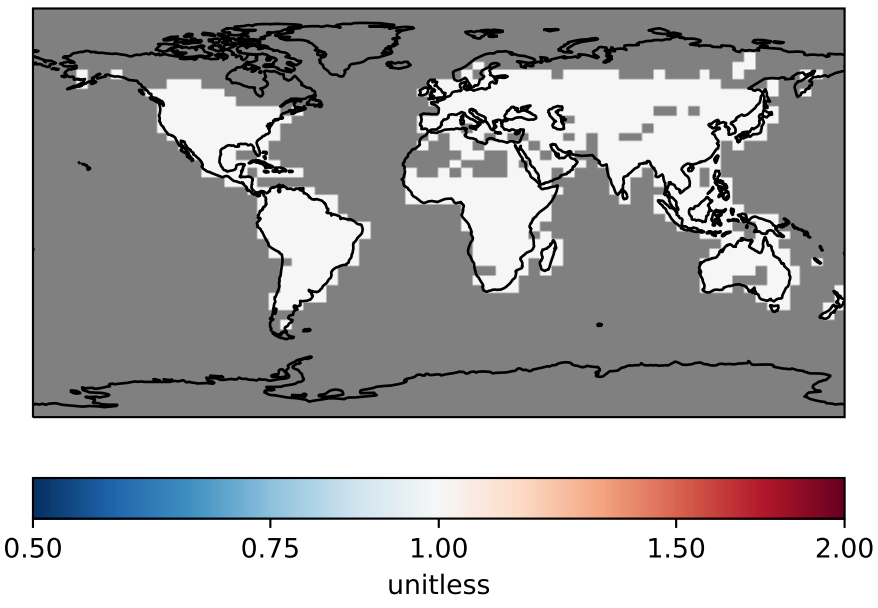
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

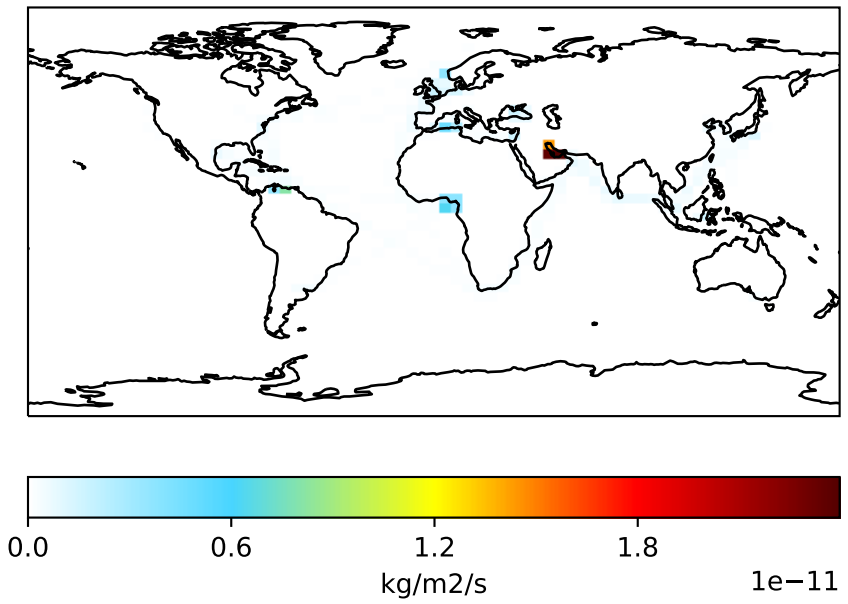


Ratio
Dev/Ref, Fixed Range

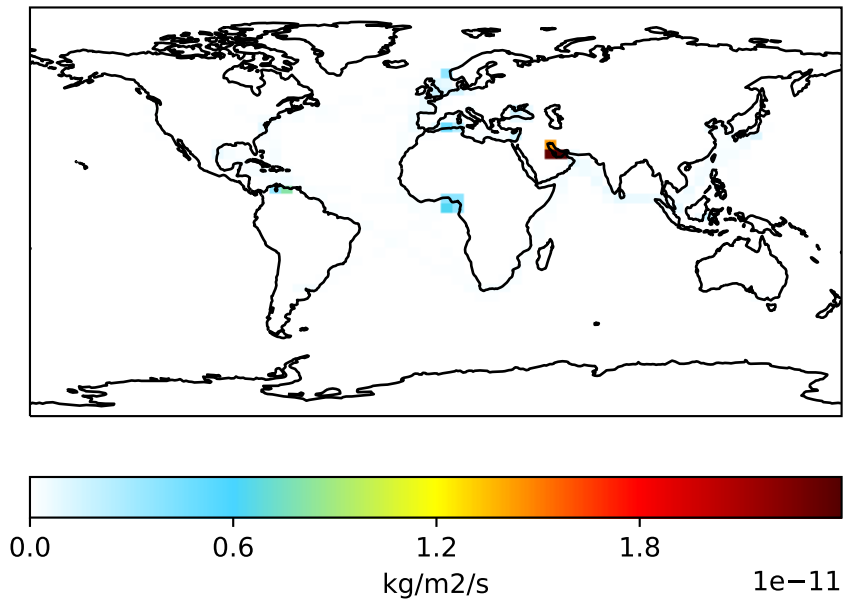


EmisALK4_Ship (Apr2019)

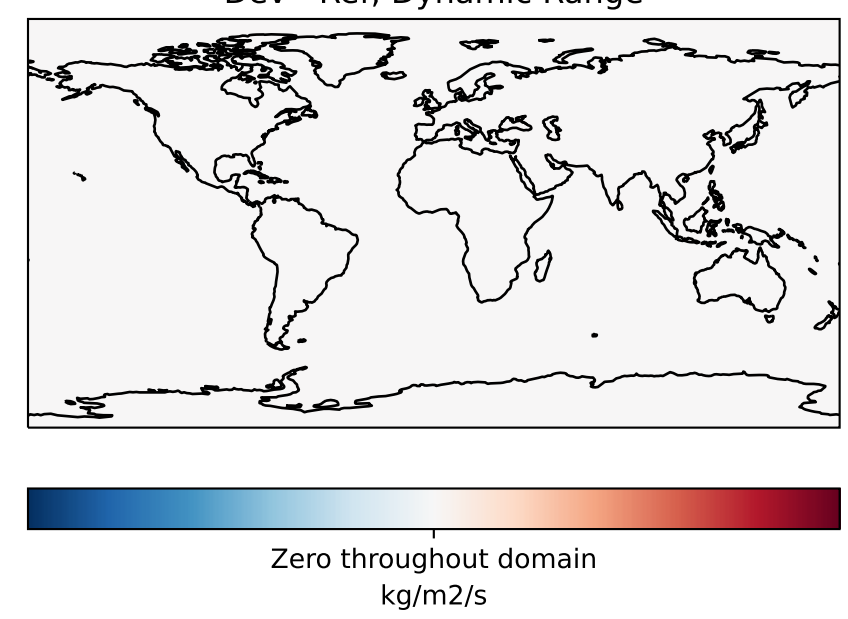
GCC_14.0.0_1yr (Ref)
4.0x5.0



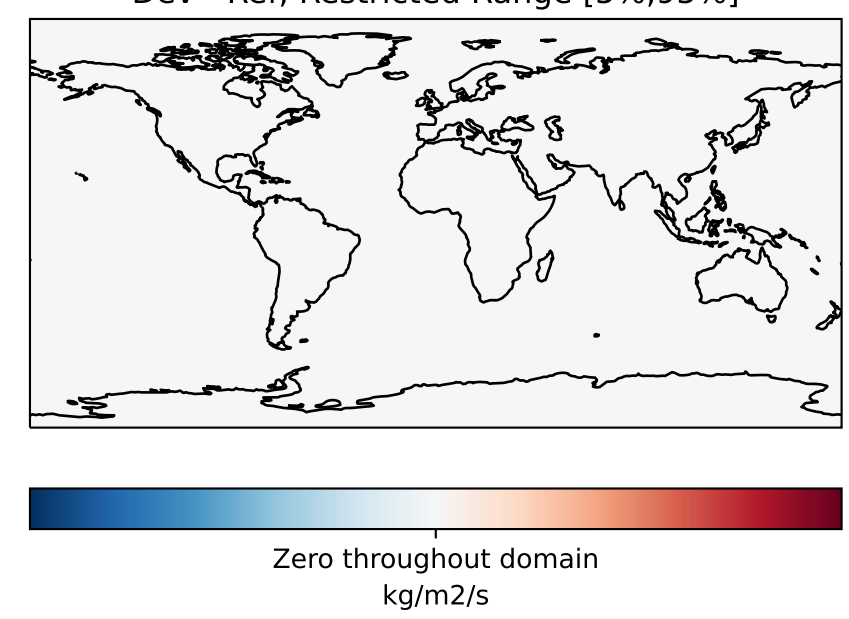
GCC_14.0.0_10yr (Dev)
4.0x5.0



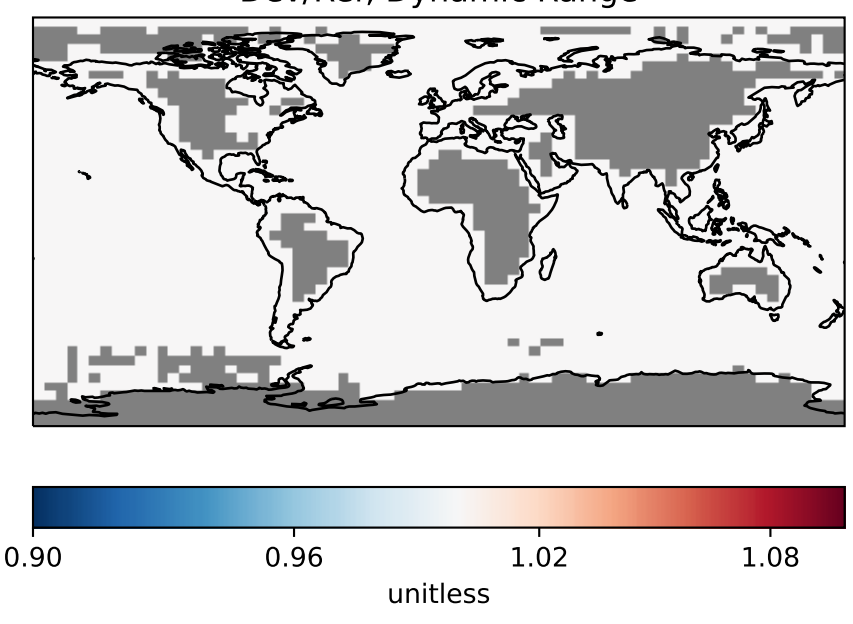
Difference
Dev - Ref, Dynamic Range



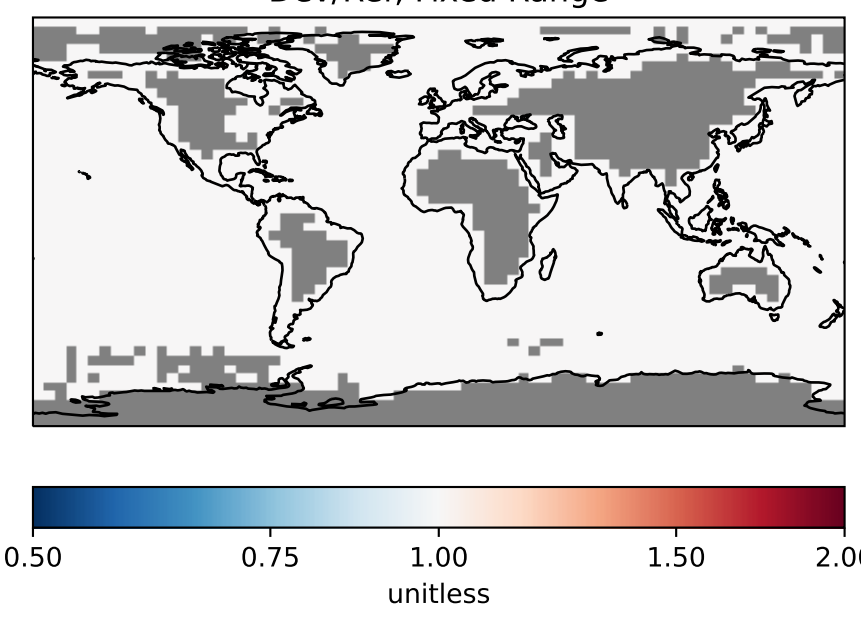
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

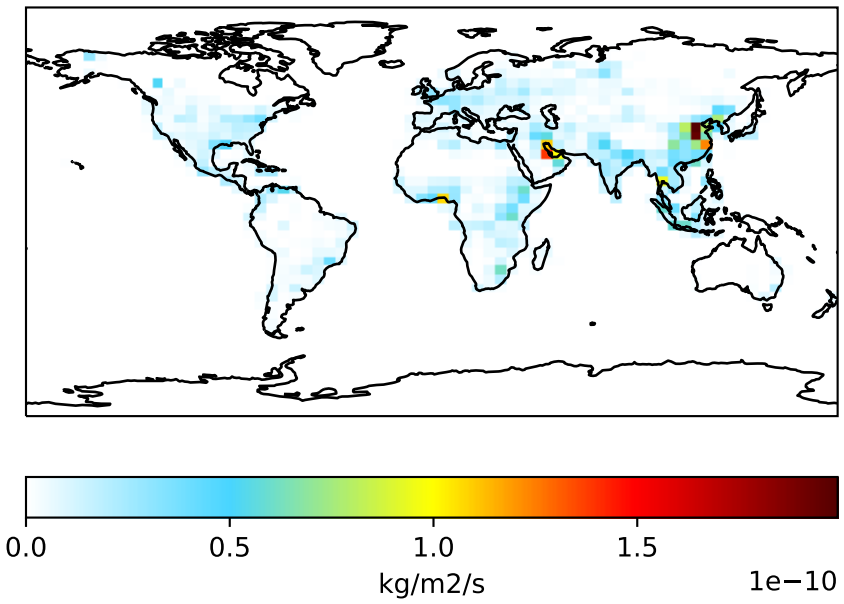


Ratio
Dev/Ref, Fixed Range

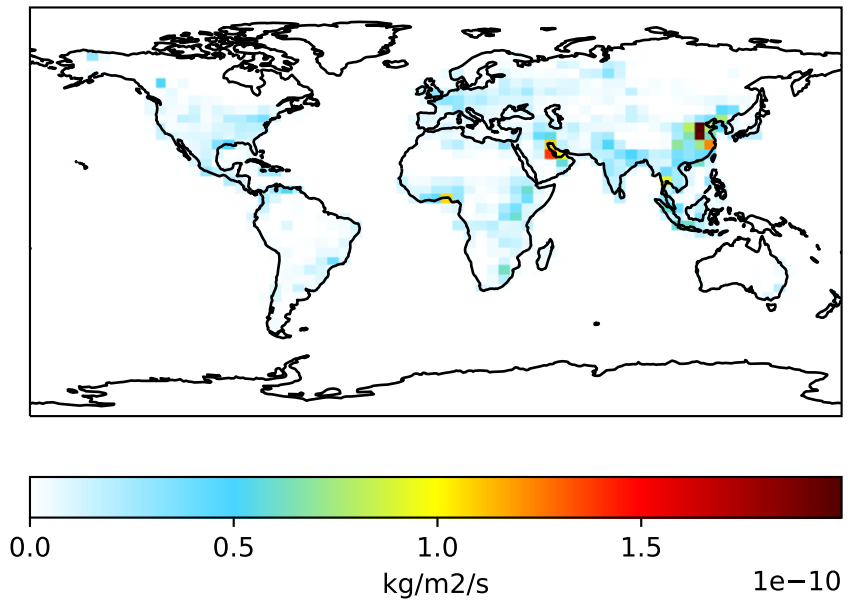


EmisALK4_Total (Apr2019)

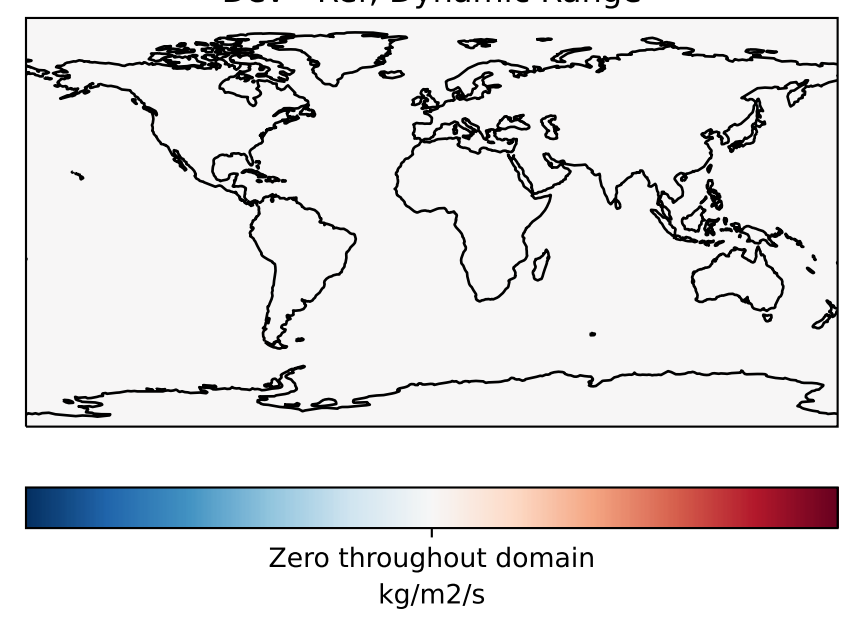
GCC_14.0.0_1yr (Ref)
4.0x5.0



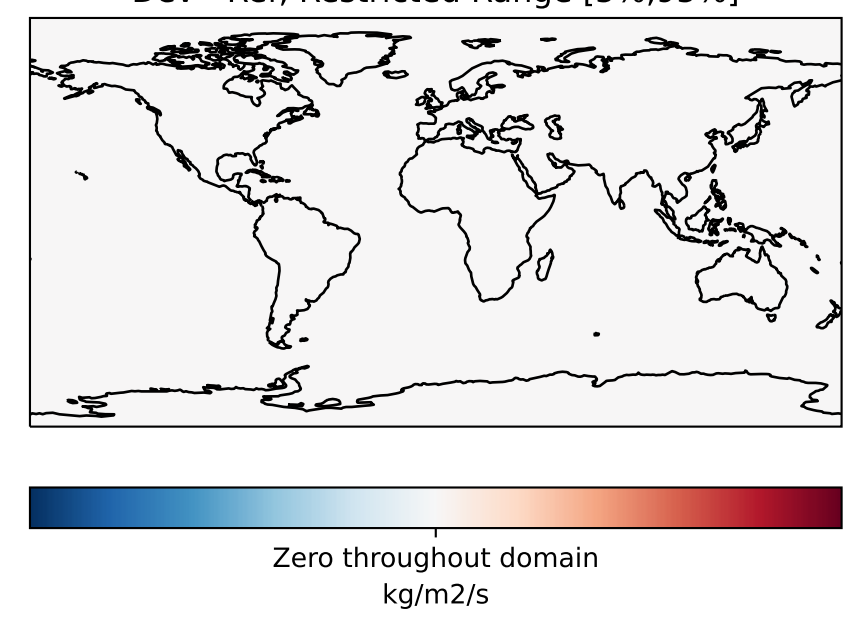
GCC_14.0.0_10yr (Dev)
4.0x5.0



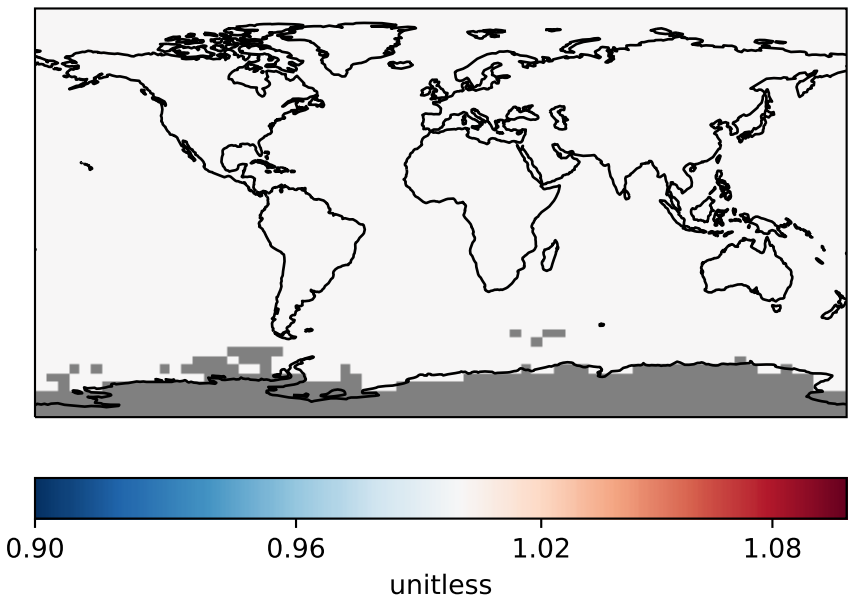
Difference
Dev - Ref, Dynamic Range



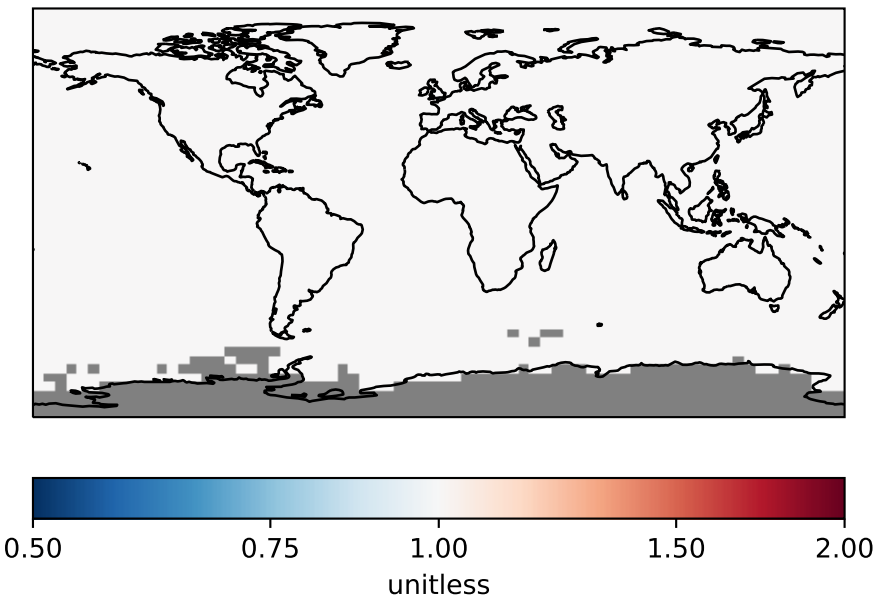
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

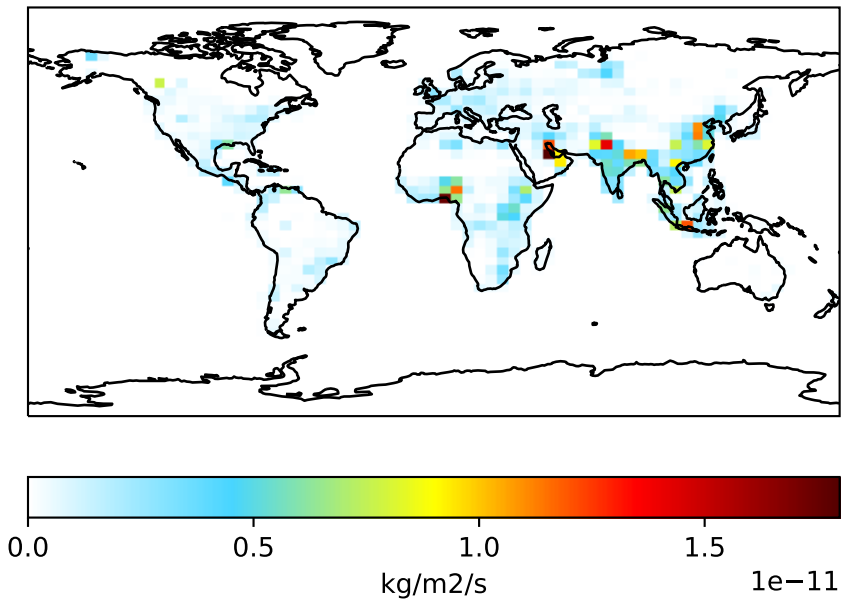


Ratio
Dev/Ref, Fixed Range

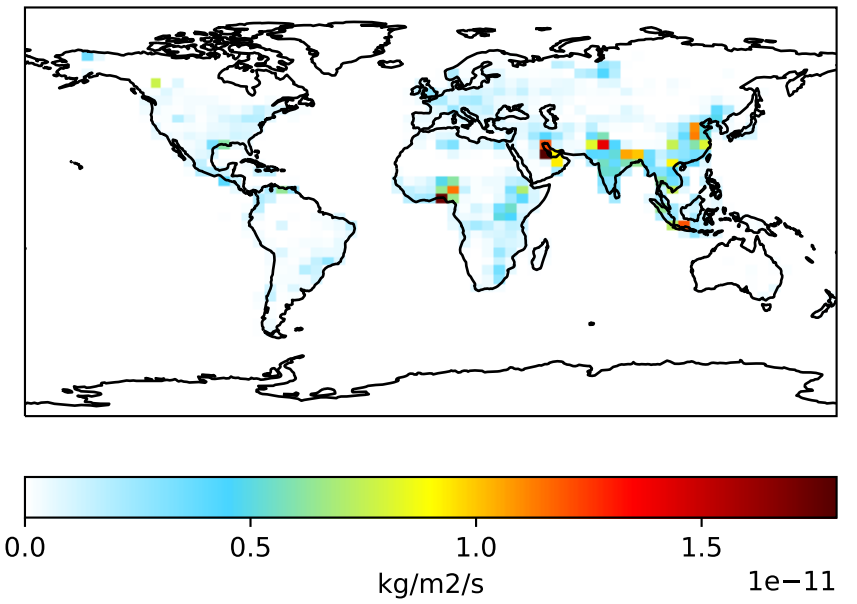


EmisBENZ_Anthro (Apr2019)

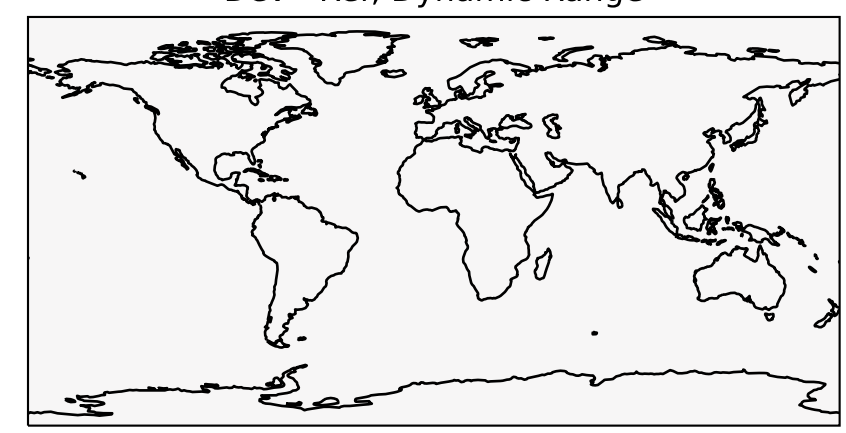
GCC_14.0.0_1yr (Ref)
4.0x5.0

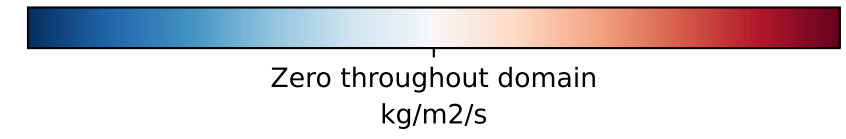


GCC_14.0.0_10yr (Dev)
4.0x5.0

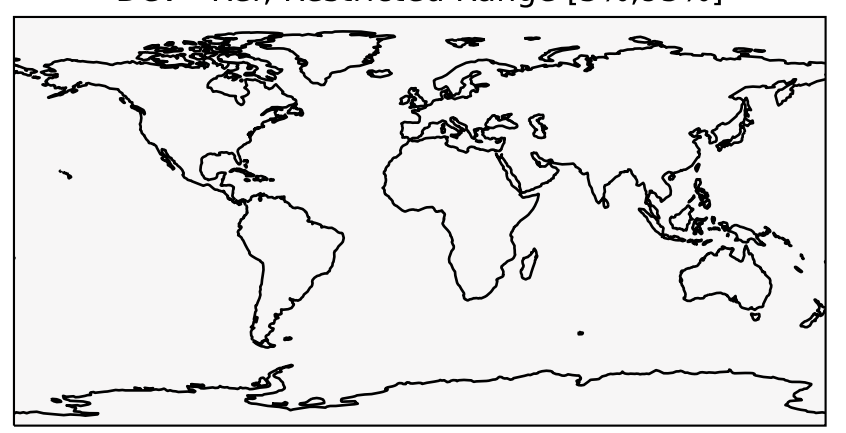


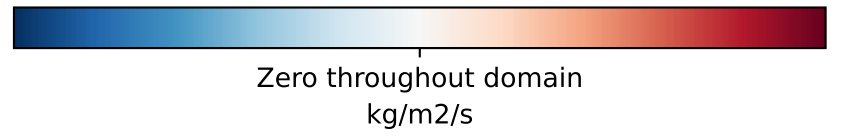
Difference
Dev - Ref, Dynamic Range



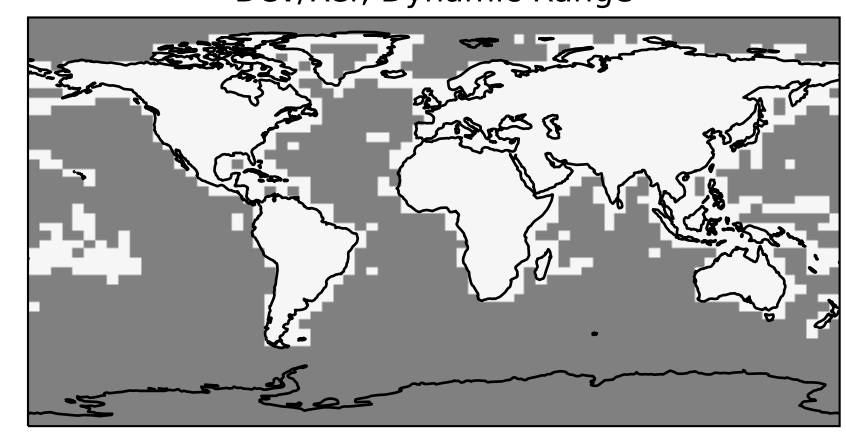


Difference
Dev - Ref, Restricted Range [5%,95%]

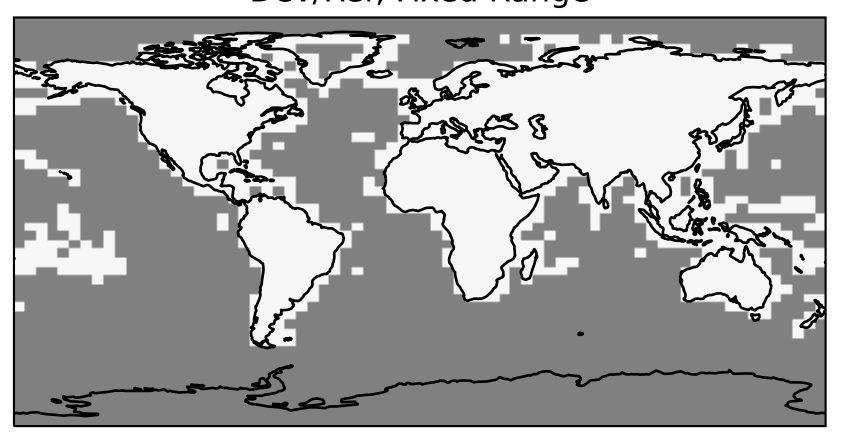


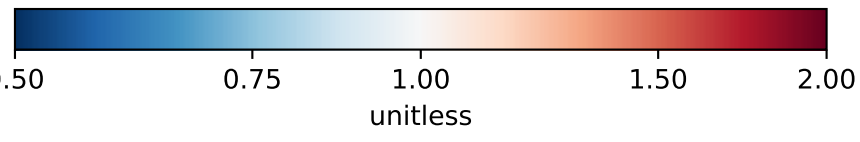


Ratio
Dev/Ref, Dynamic Range



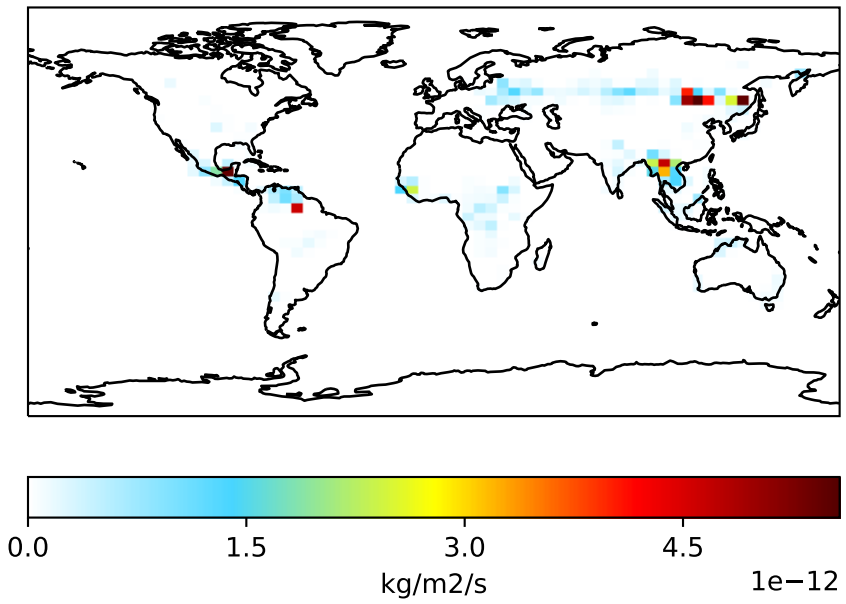
Ratio
Dev/Ref, Fixed Range



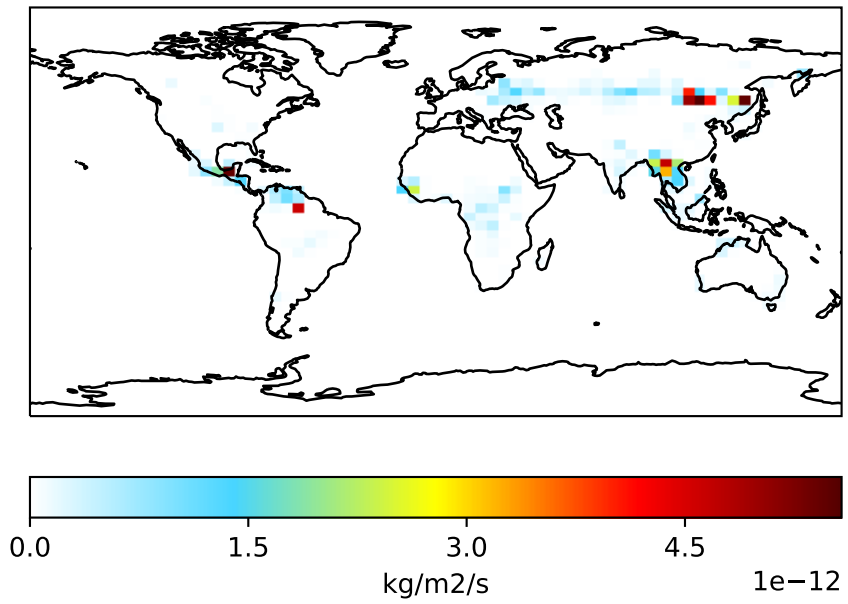


EmisBENZ_BioBurn (Apr2019)

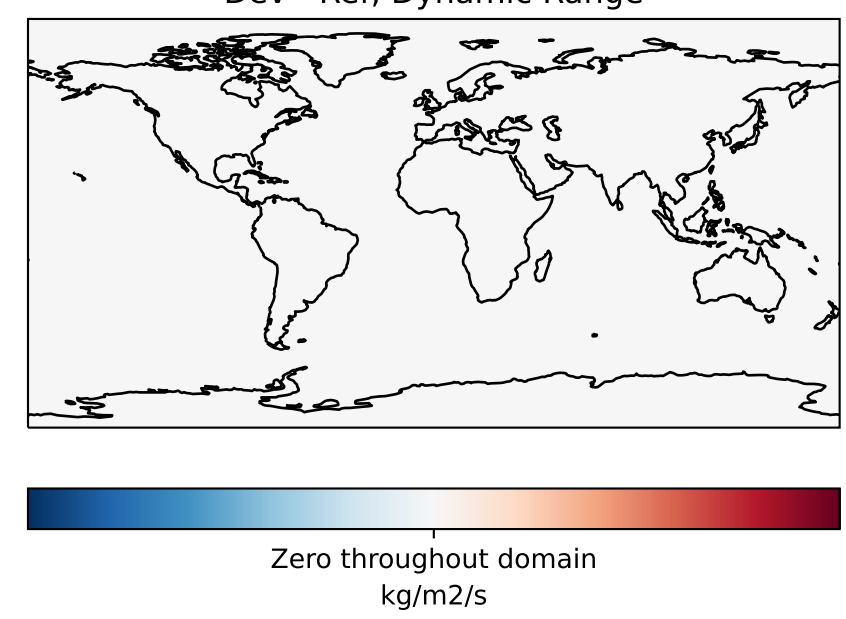
GCC_14.0.0_1yr (Ref)
4.0x5.0



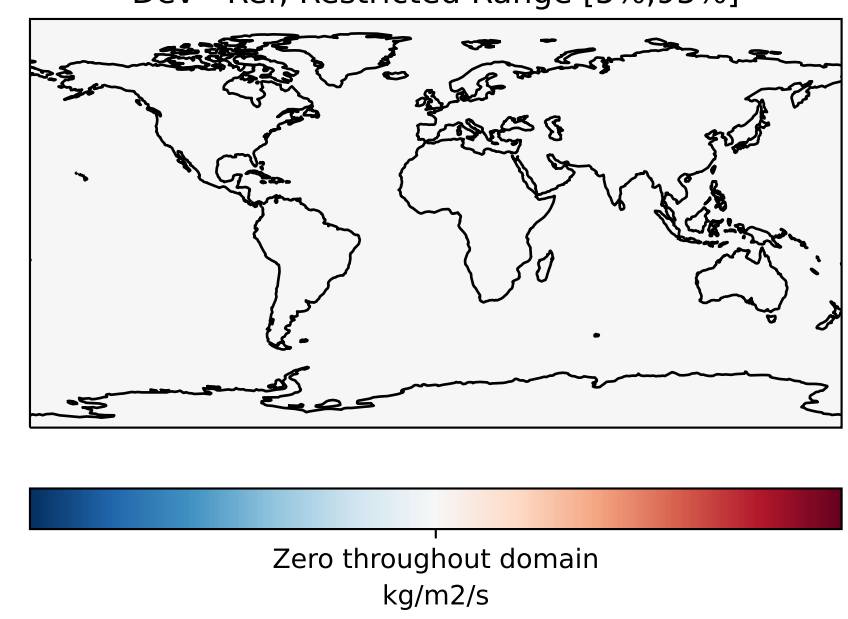
GCC_14.0.0_10yr (Dev)
4.0x5.0



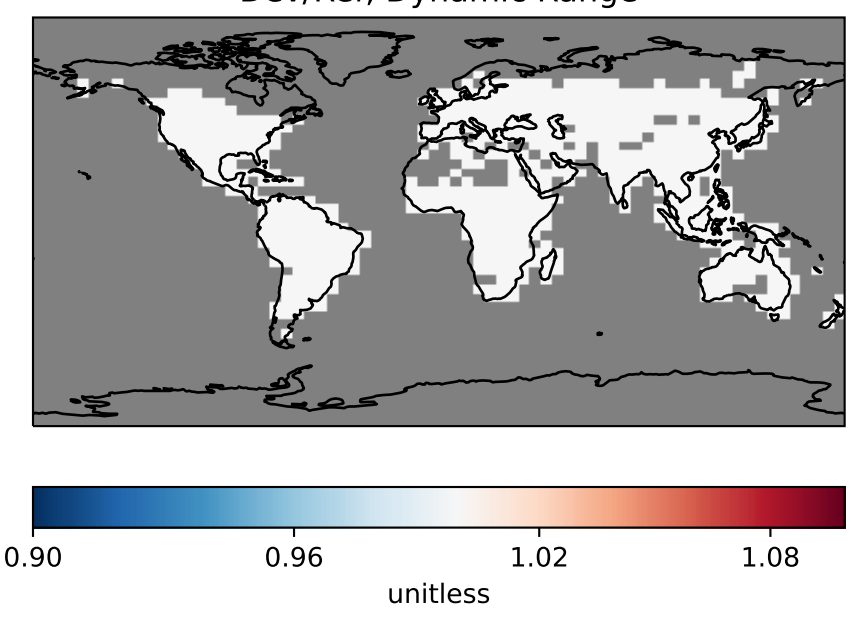
Difference
Dev - Ref, Dynamic Range



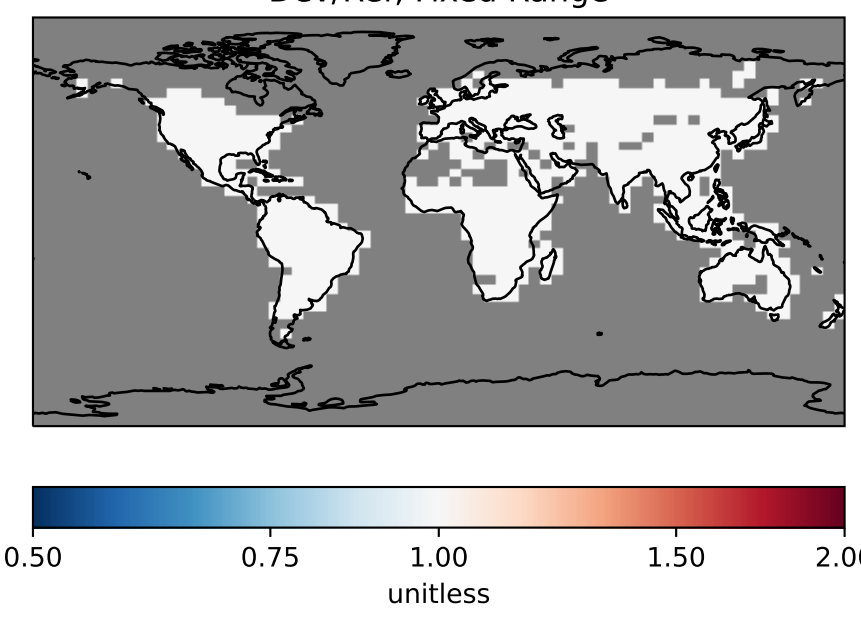
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

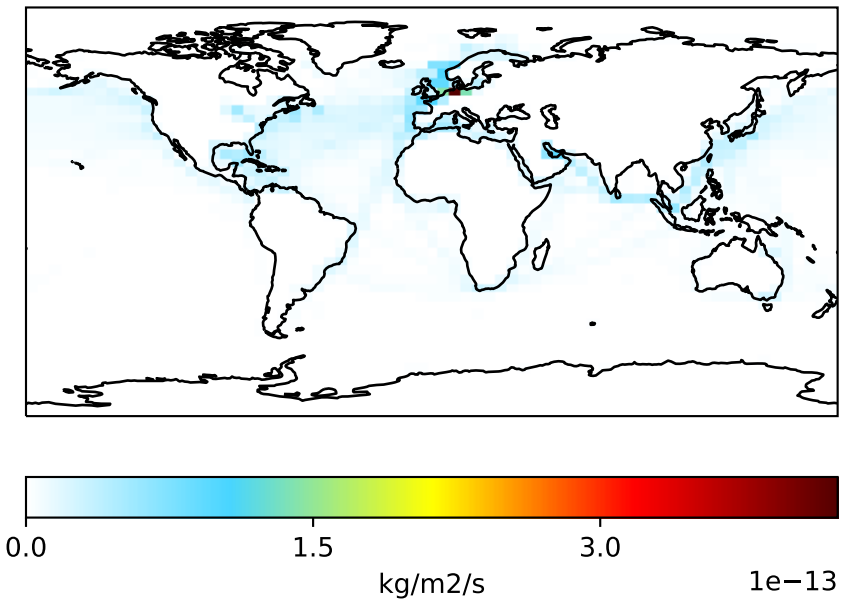


Ratio
Dev/Ref, Fixed Range

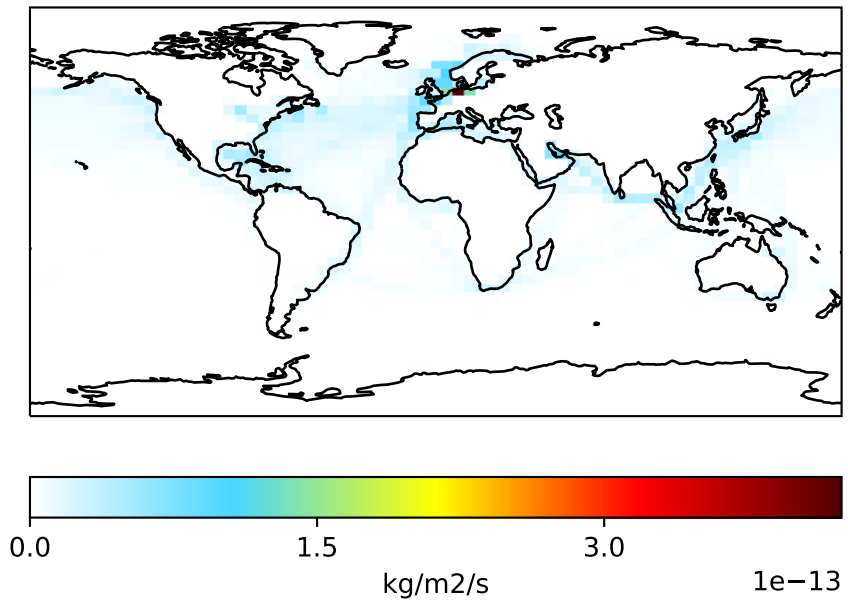


EmisBENZ_Ship (Apr2019)

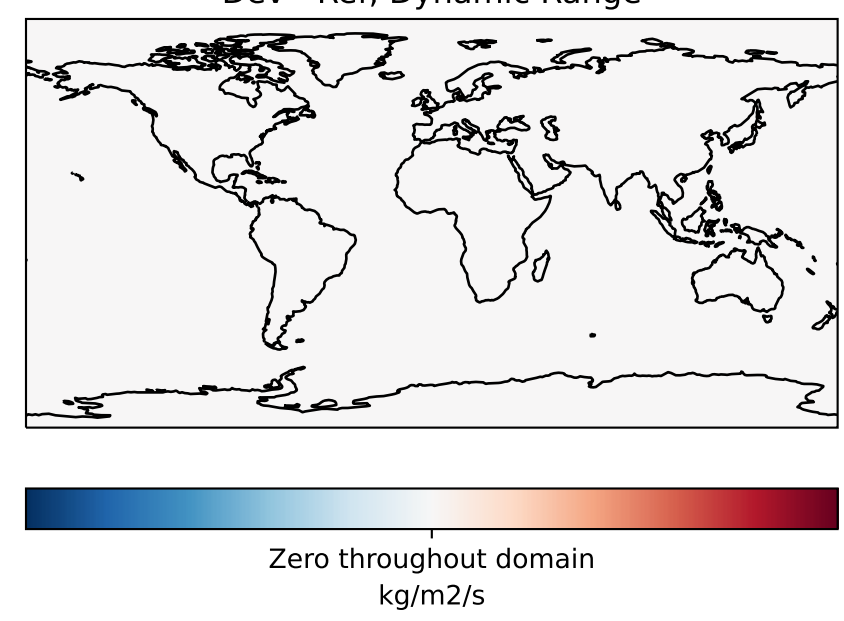
GCC_14.0.0_1yr (Ref)
4.0x5.0



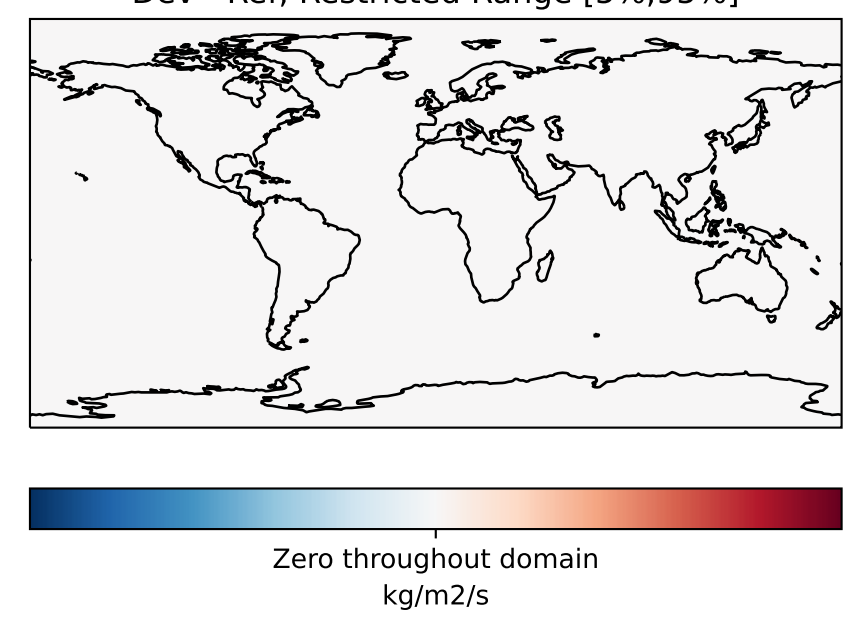
GCC_14.0.0_10yr (Dev)
4.0x5.0



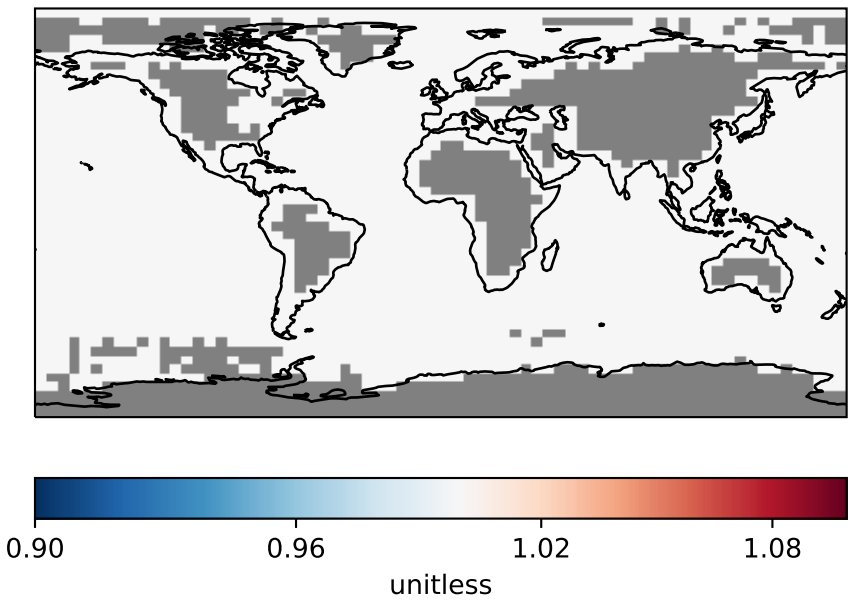
Difference
Dev - Ref, Dynamic Range



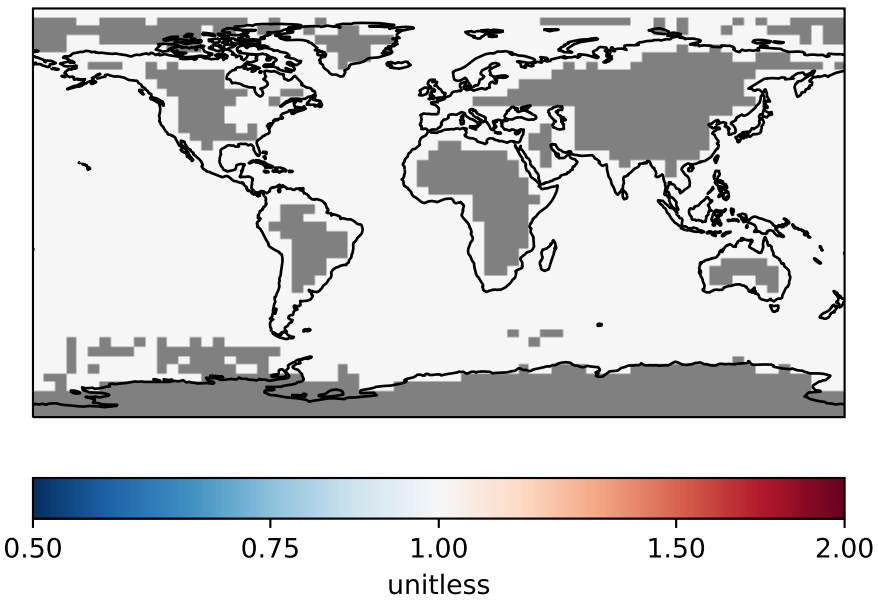
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

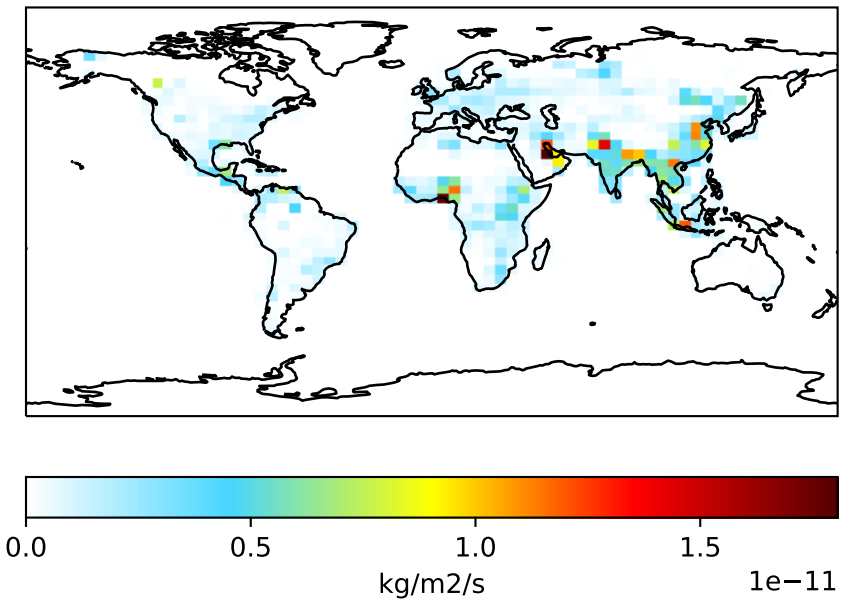


Ratio
Dev/Ref, Fixed Range

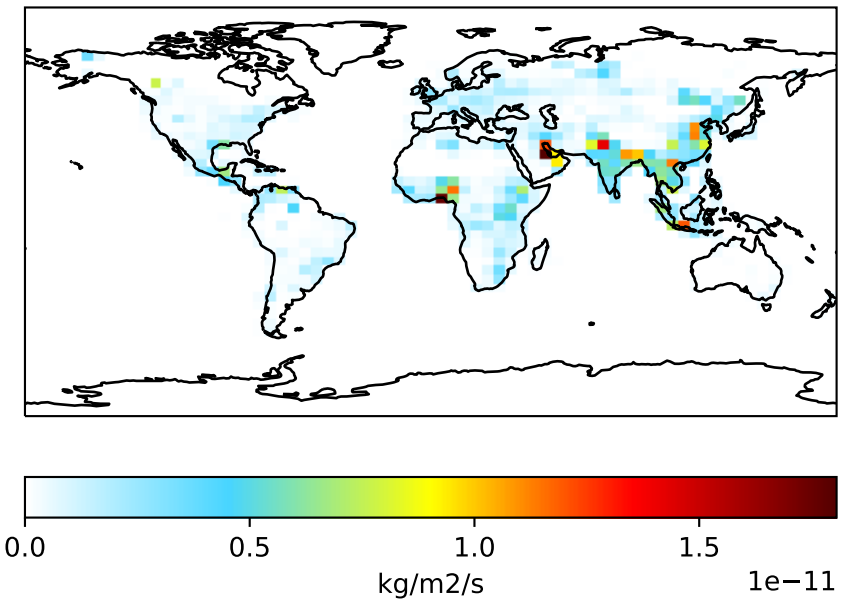


EmisBENZ_Total (Apr2019)

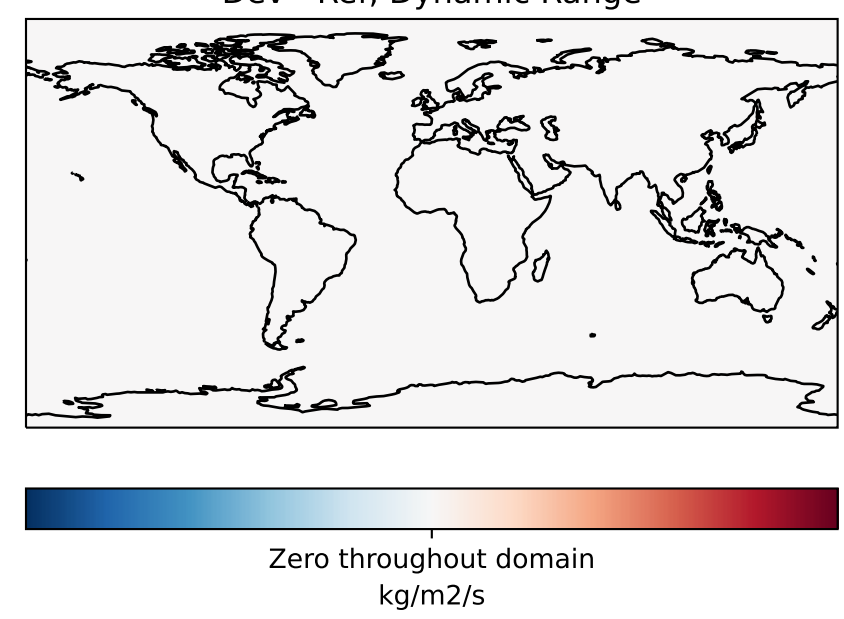
GCC_14.0.0_1yr (Ref)
4.0x5.0



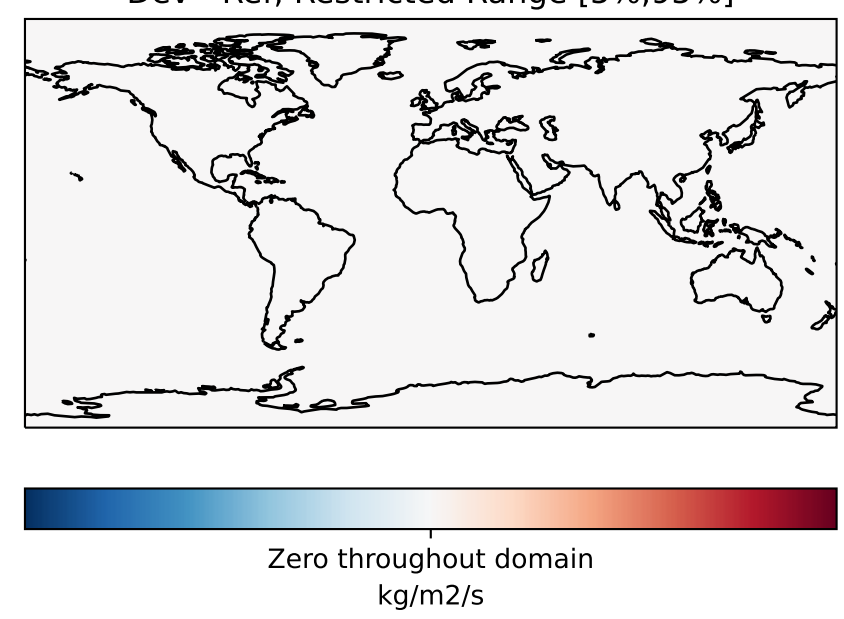
GCC_14.0.0_10yr (Dev)
4.0x5.0



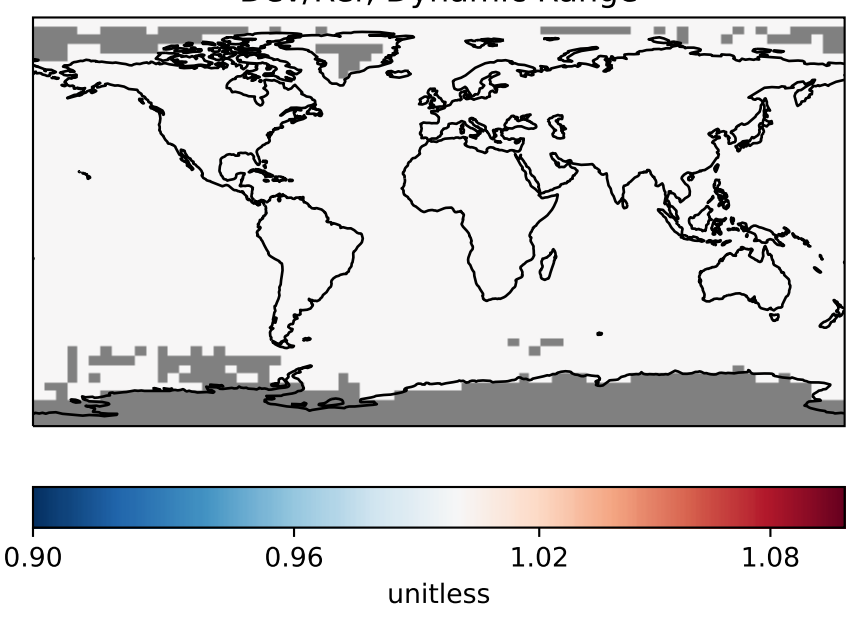
Difference
Dev - Ref, Dynamic Range



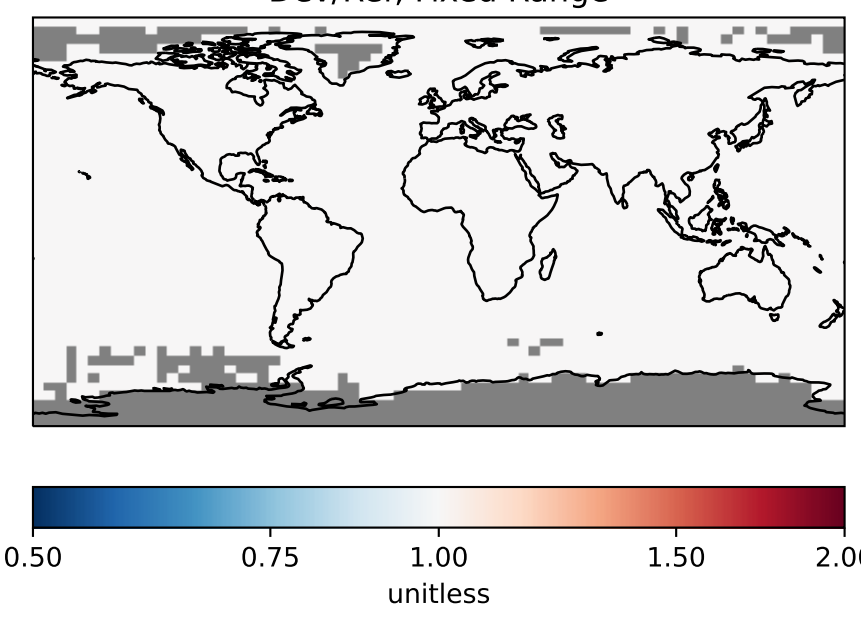
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

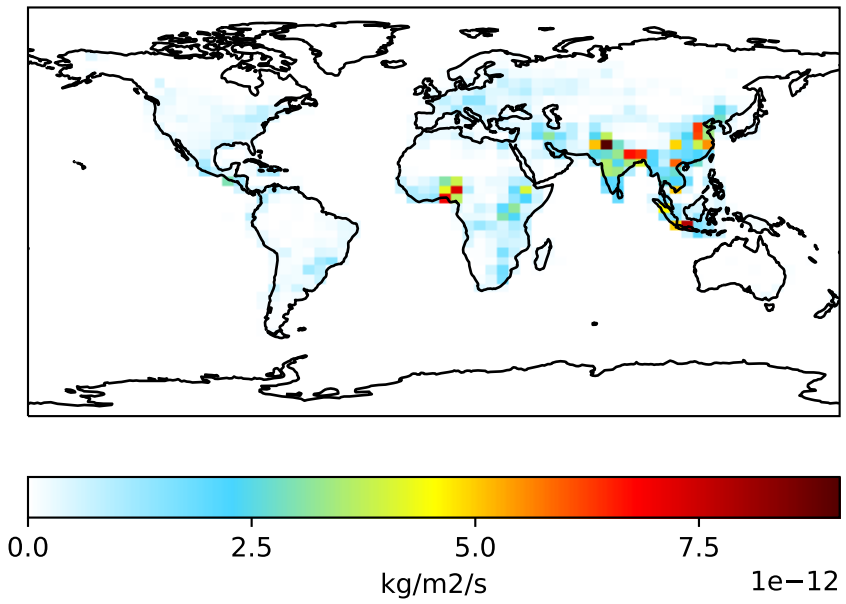


Ratio
Dev/Ref, Fixed Range

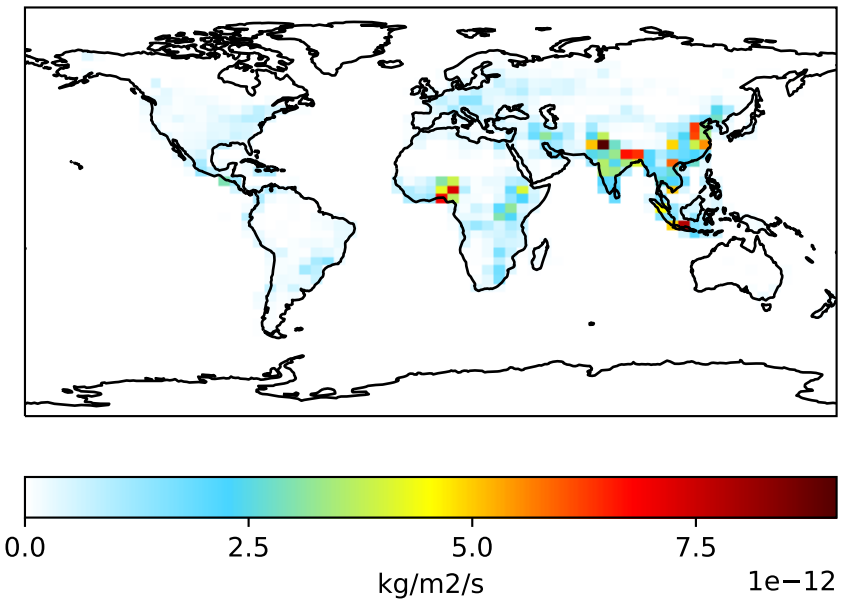


EmisC2H2_Anthro (Apr2019)

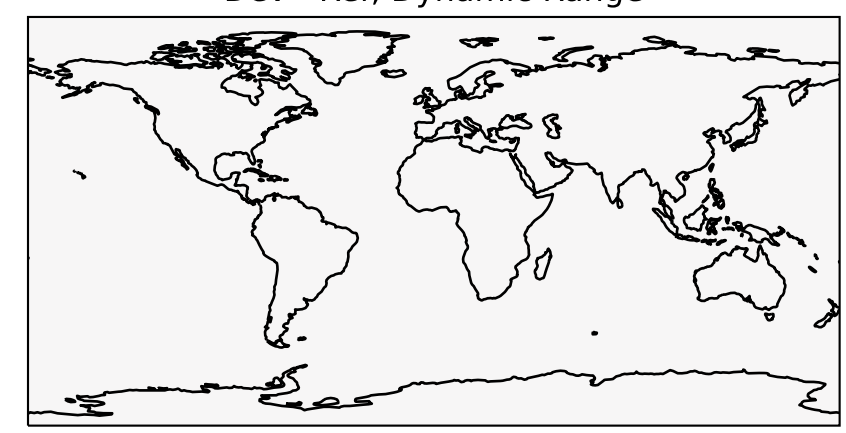
GCC_14.0.0_1yr (Ref)
4.0x5.0

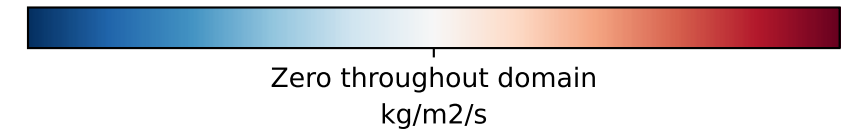


GCC_14.0.0_10yr (Dev)
4.0x5.0

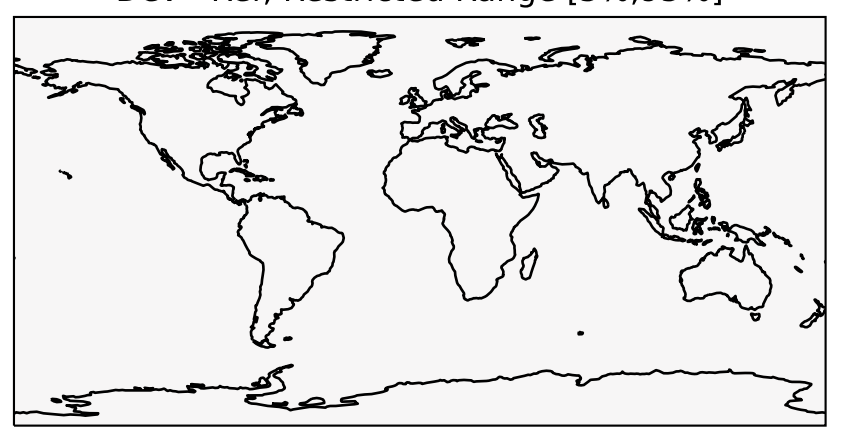


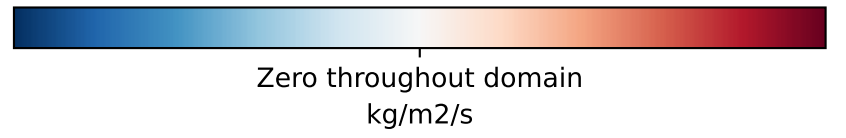
Difference
Dev - Ref, Dynamic Range



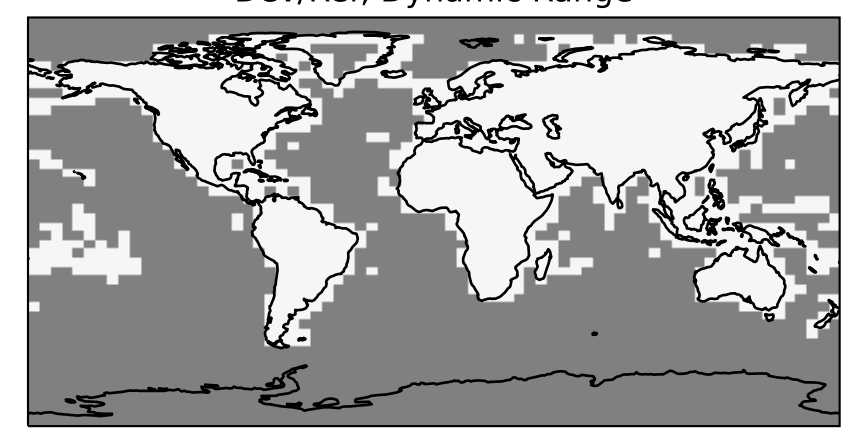


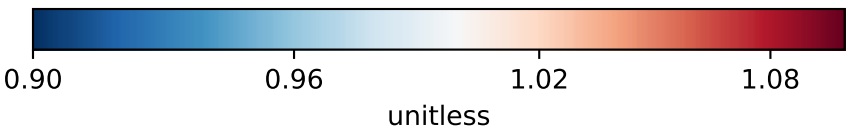
Difference
Dev - Ref, Restricted Range [5%,95%]



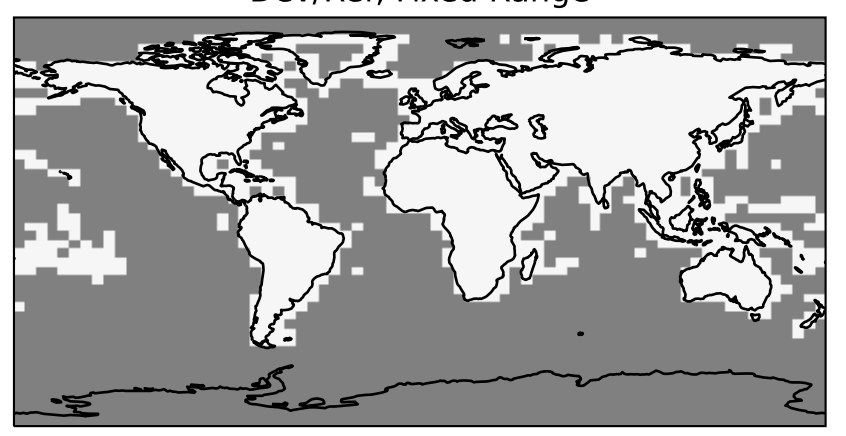


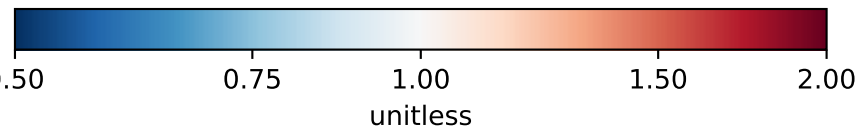
Ratio
Dev/Ref, Dynamic Range





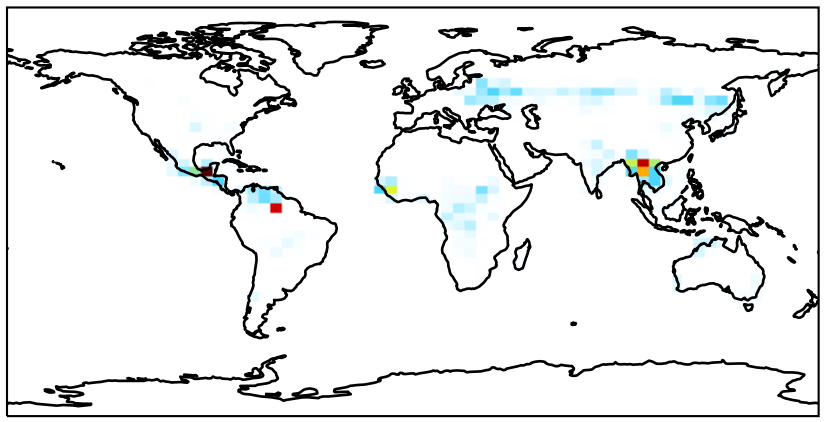
Ratio
Dev/Ref, Fixed Range

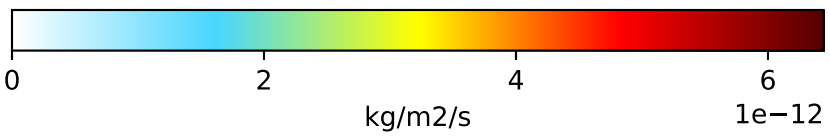




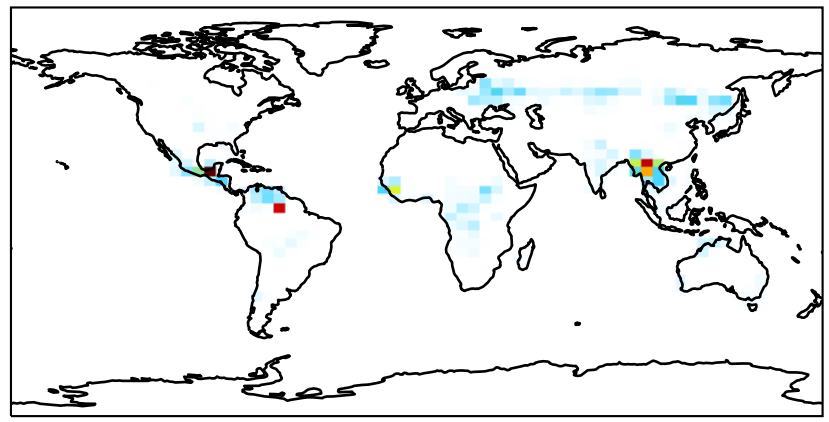
EmisC2H2_BioBurn (Apr2019)

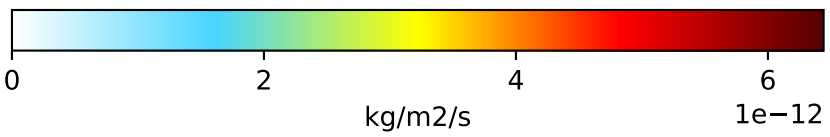
GCC_14.0.0_1yr (Ref)
4.0x5.0



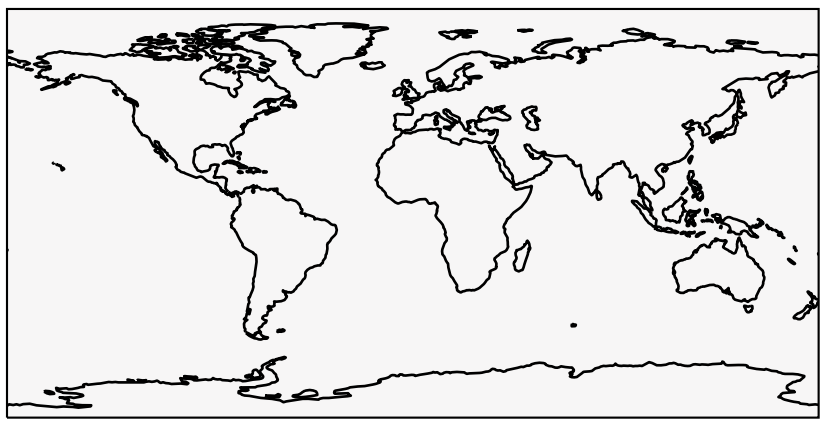


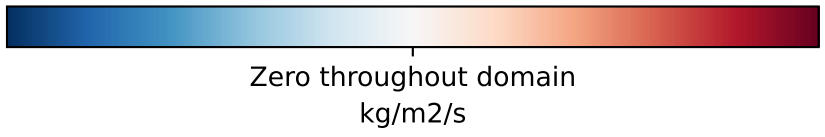
GCC_14.0.0_10yr (Dev)
4.0x5.0



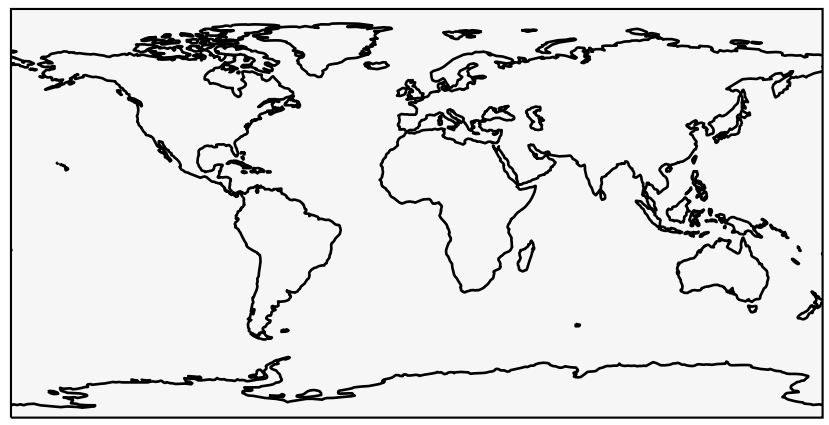


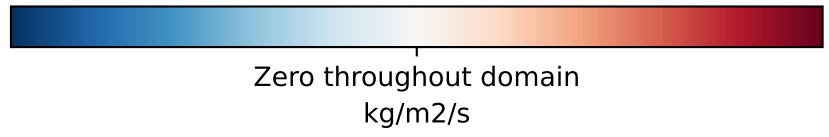
Difference
Dev - Ref, Dynamic Range



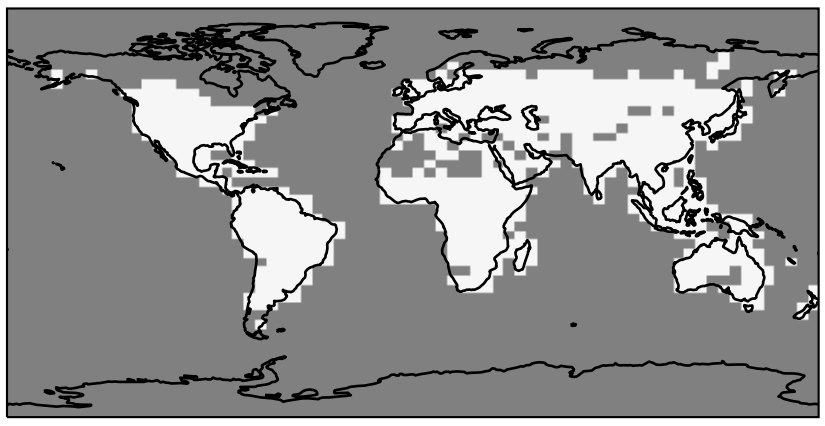


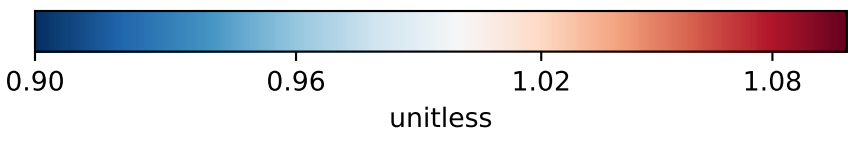
Difference
Dev - Ref, Restricted Range [5%,95%]



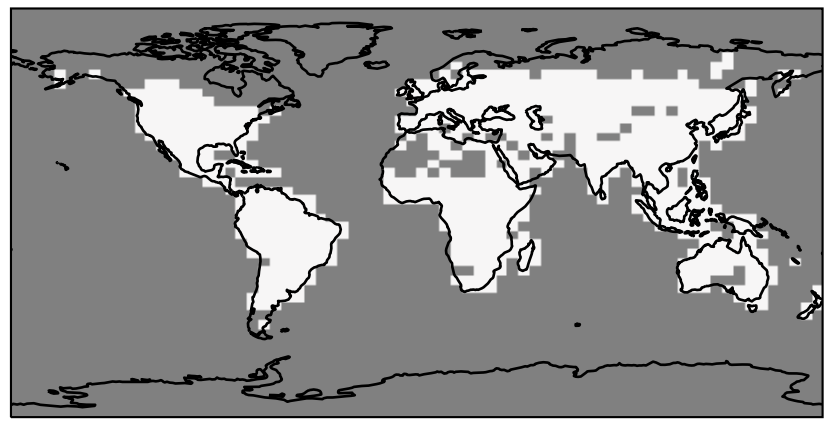


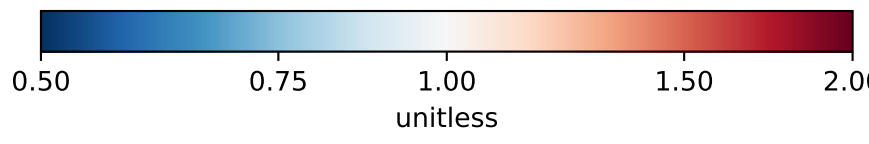
Ratio
Dev/Ref, Dynamic Range





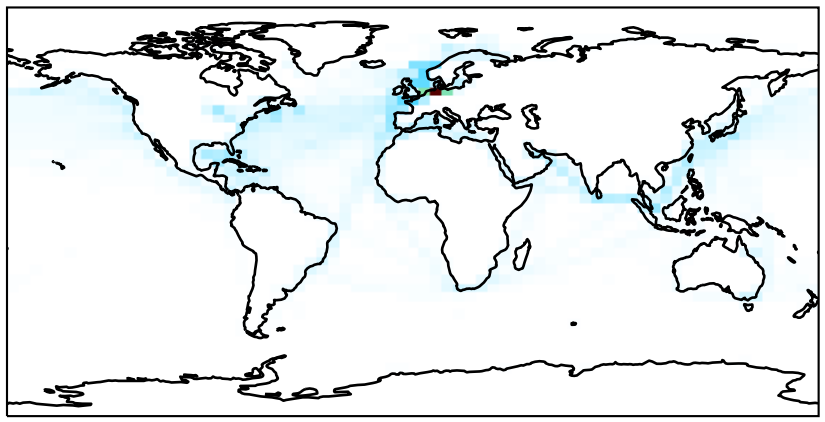
Ratio
Dev/Ref, Fixed Range

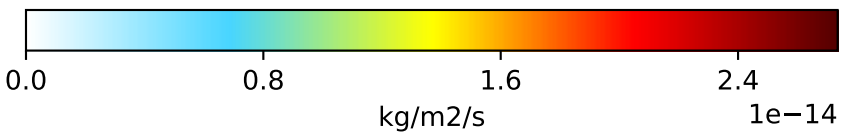




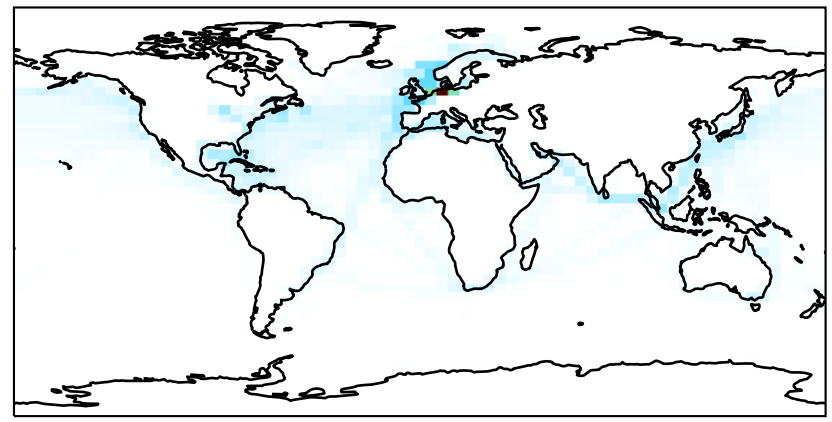
EmisC2H2_Ship (Apr2019)

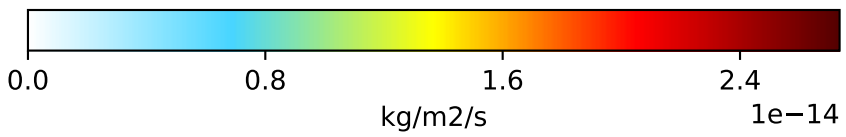
GCC_14.0.0_1yr (Ref)
4.0x5.0



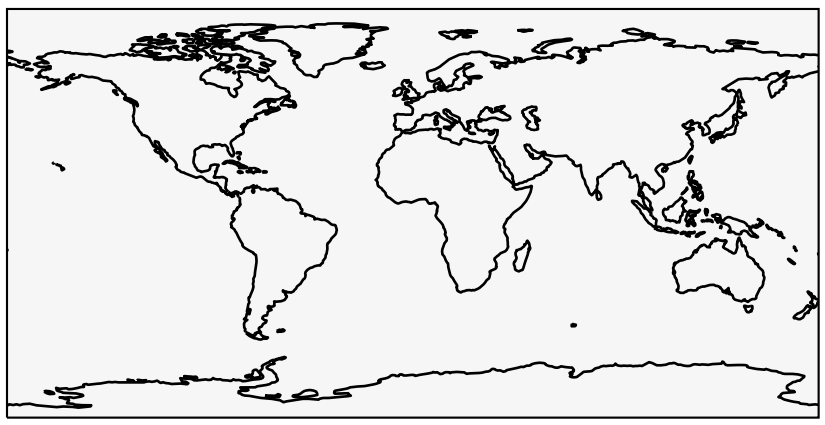


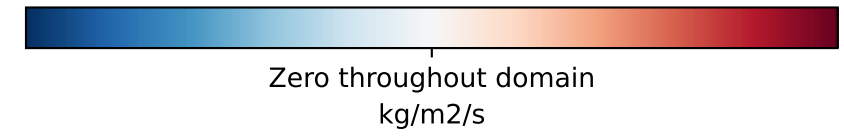
GCC_14.0.0_10yr (Dev)
4.0x5.0



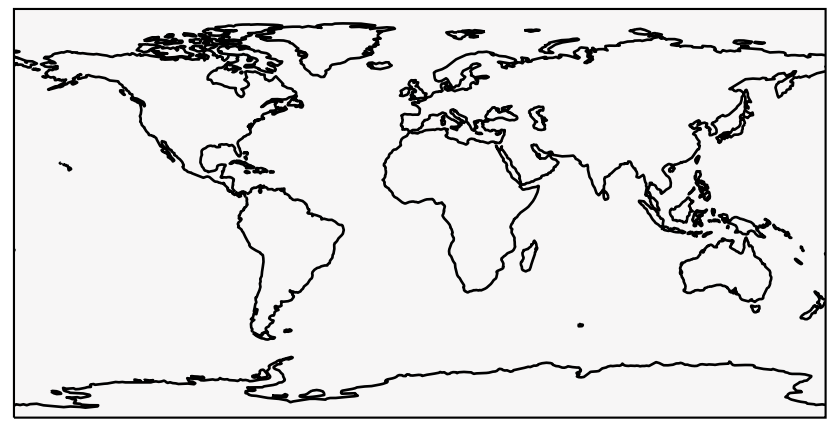


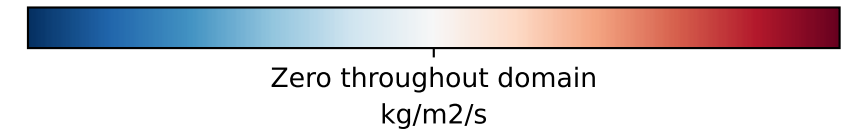
Difference
Dev - Ref, Dynamic Range



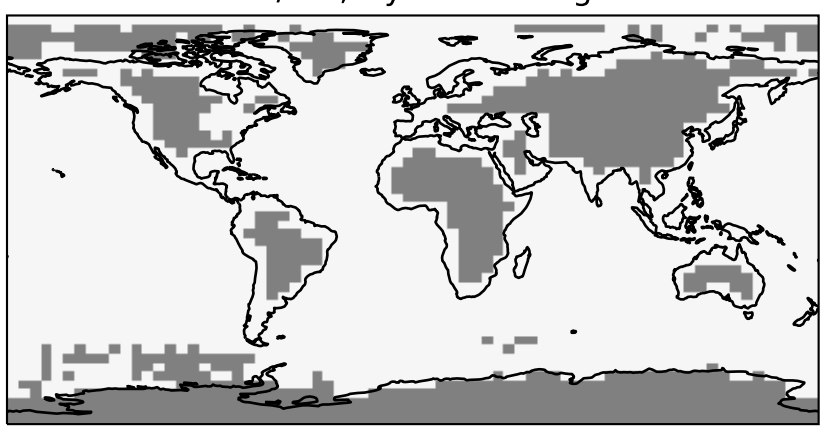


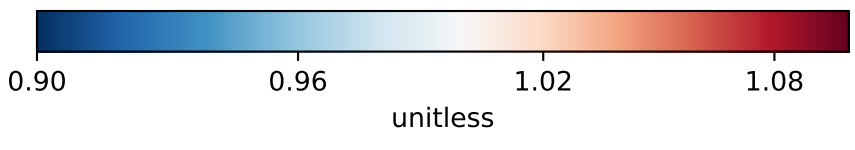
Difference
Dev - Ref, Restricted Range [5%,95%]



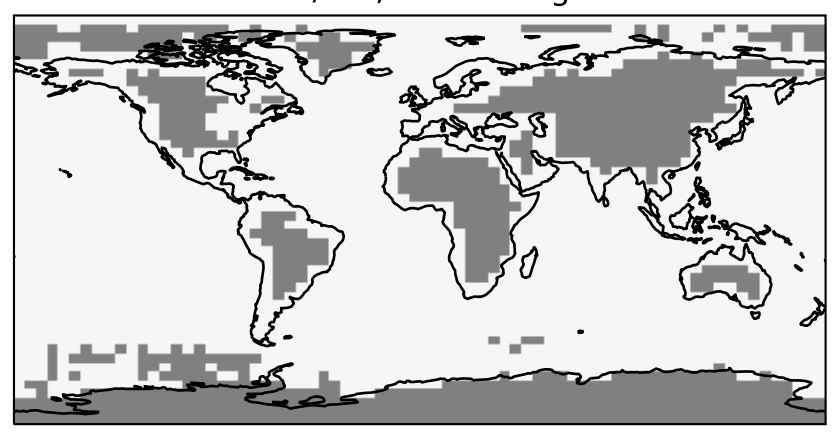


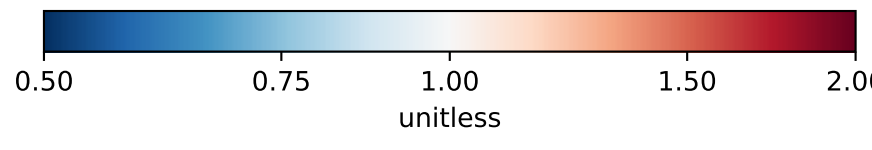
Ratio
Dev/Ref, Dynamic Range





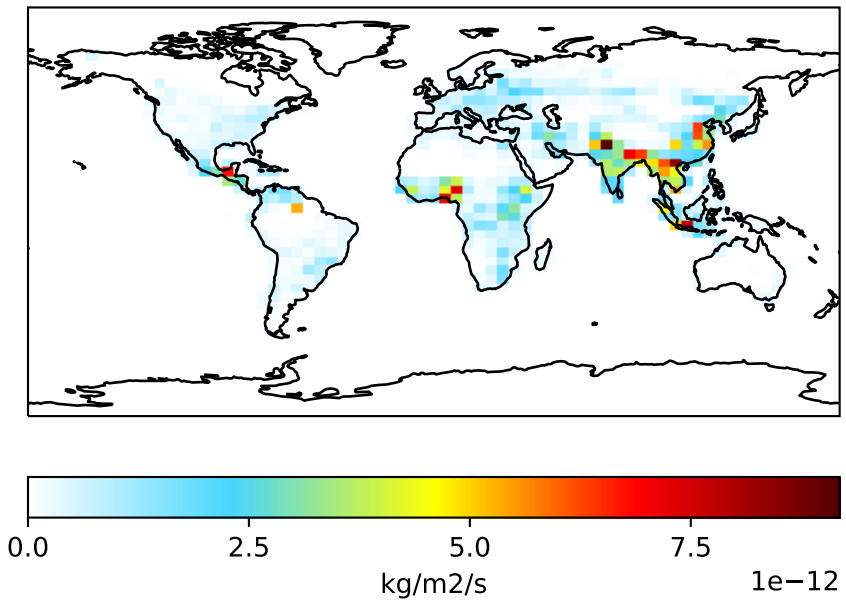
Ratio
Dev/Ref, Fixed Range



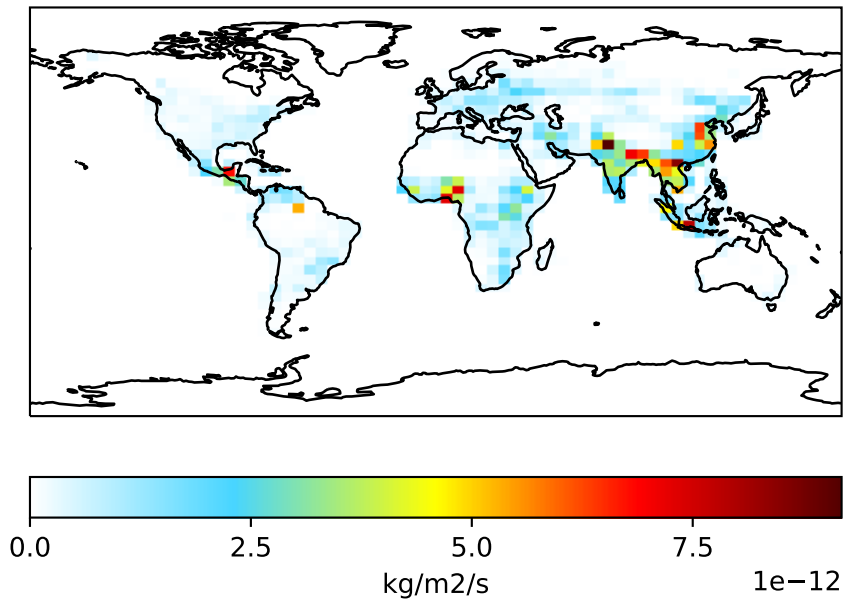


EmisC2H2_Total (Apr2019)

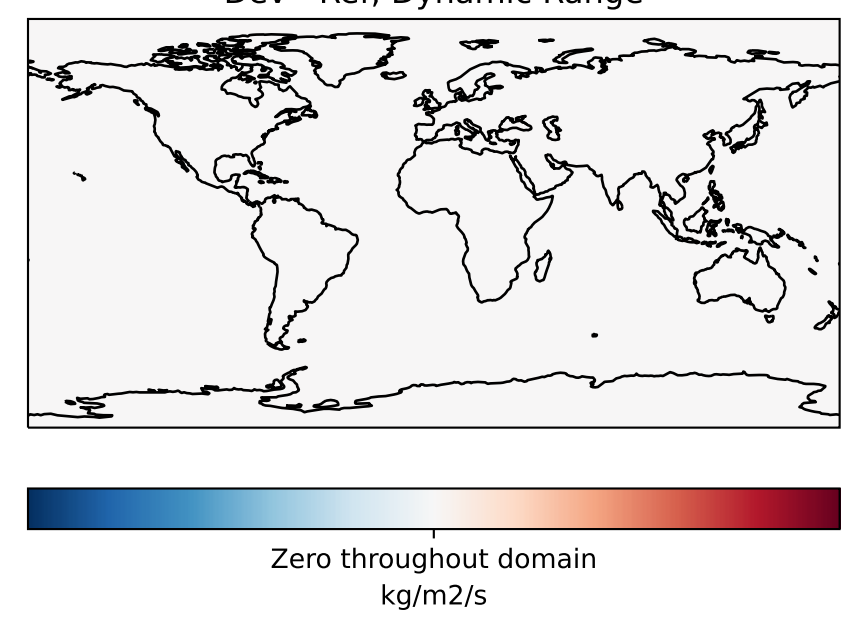
GCC_14.0.0_1yr (Ref)
4.0x5.0



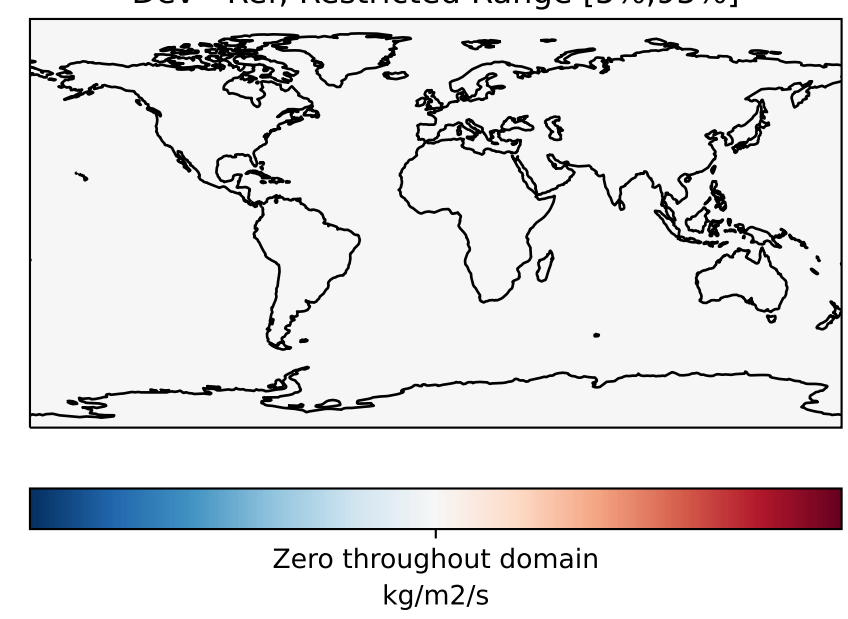
GCC_14.0.0_10yr (Dev)
4.0x5.0



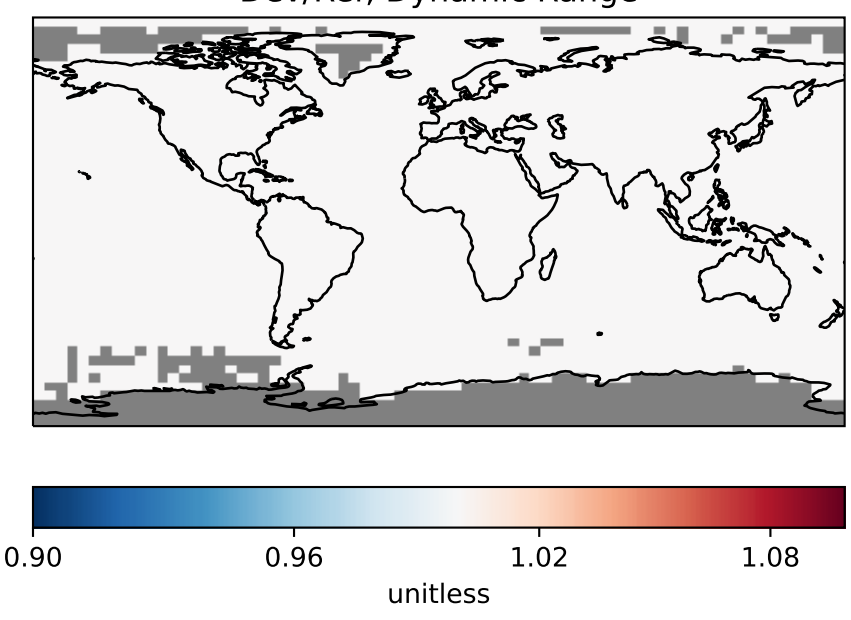
Difference
Dev - Ref, Dynamic Range



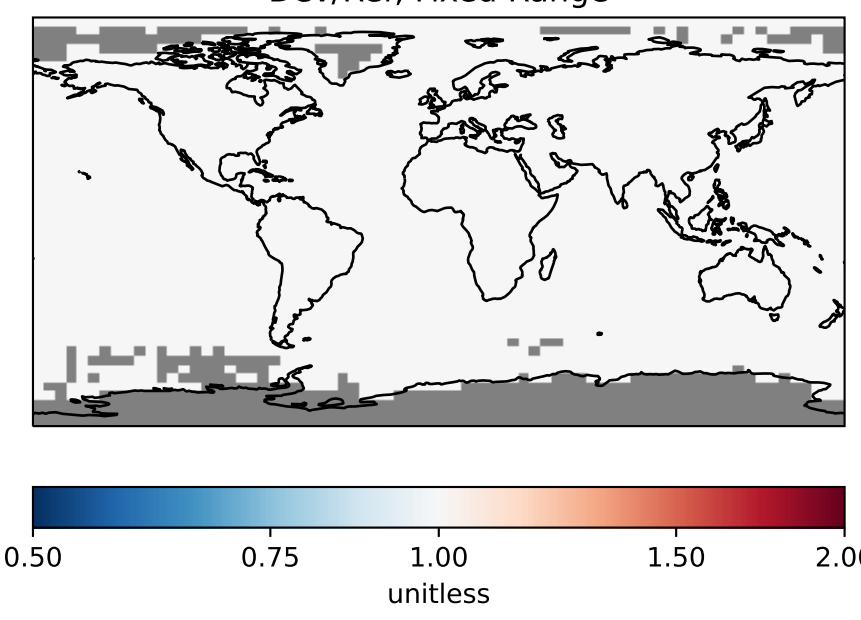
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

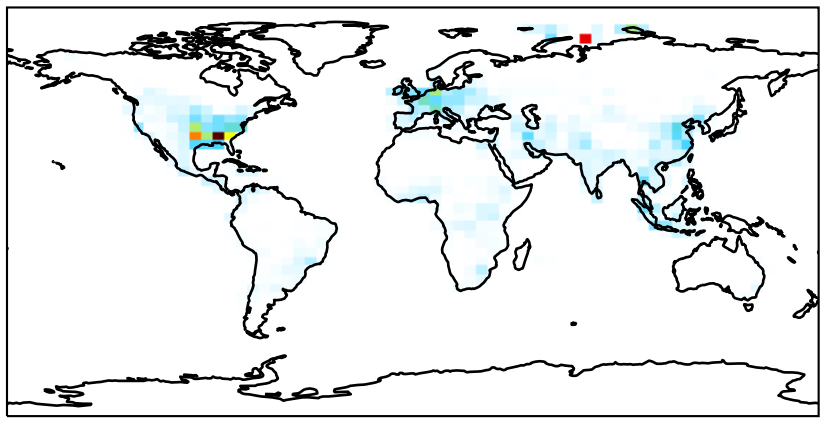


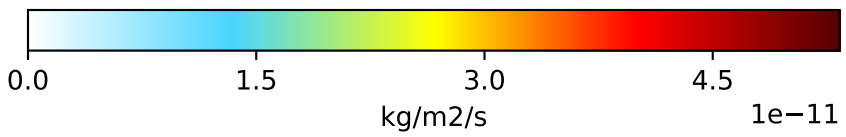
Ratio
Dev/Ref, Fixed Range



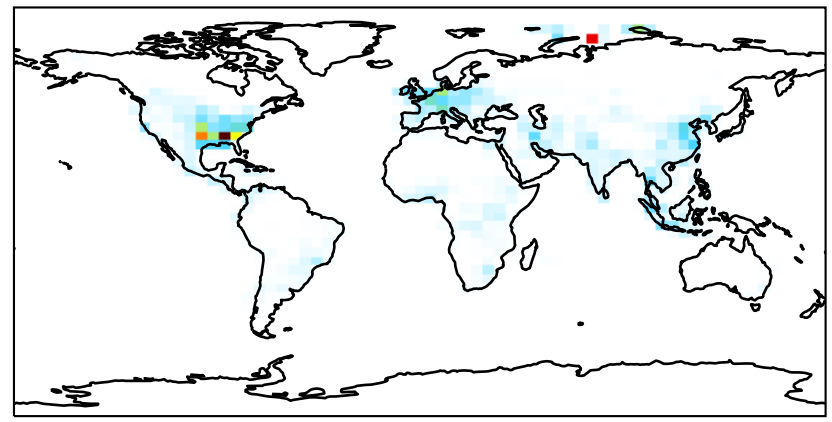
EmisC2H4_Anthro (Apr2019)

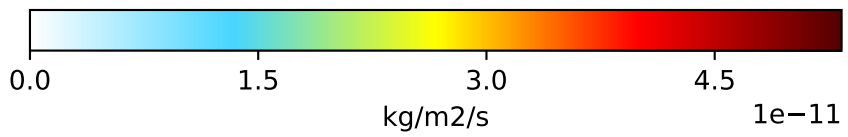
GCC_14.0.0_1yr (Ref)
4.0x5.0



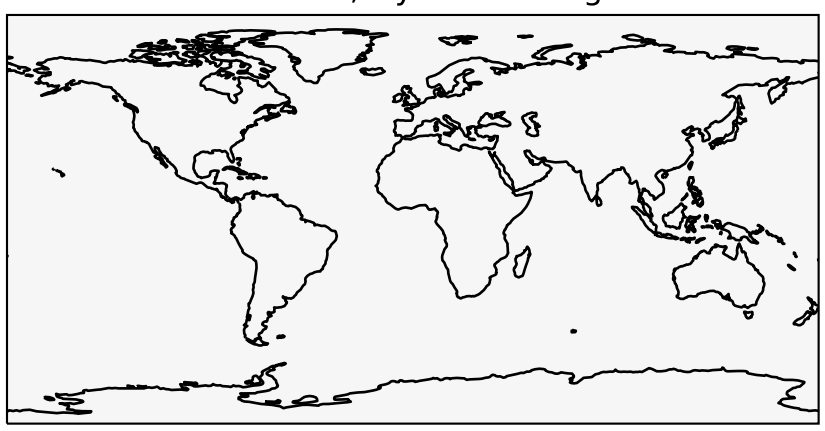


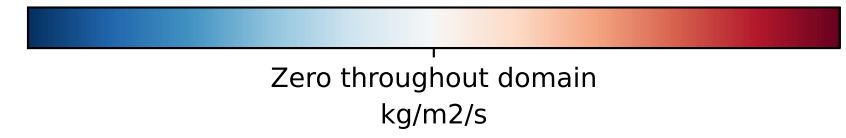
GCC_14.0.0_10yr (Dev)
4.0x5.0



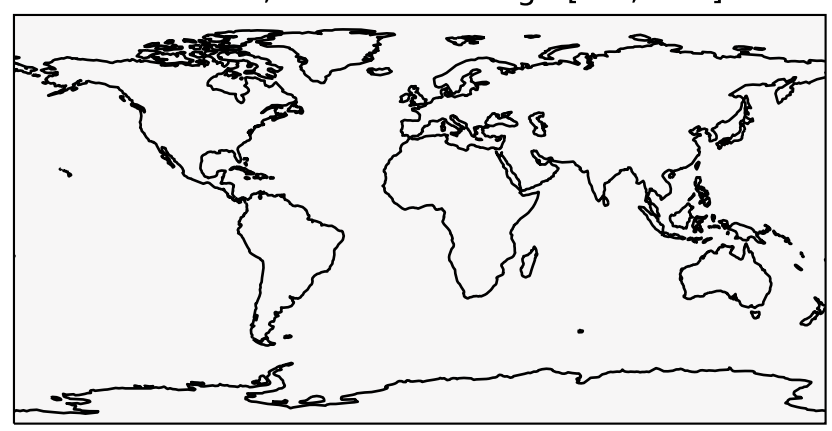


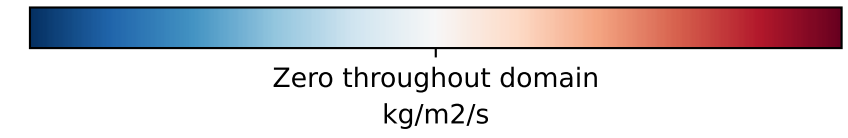
Difference
Dev - Ref, Dynamic Range



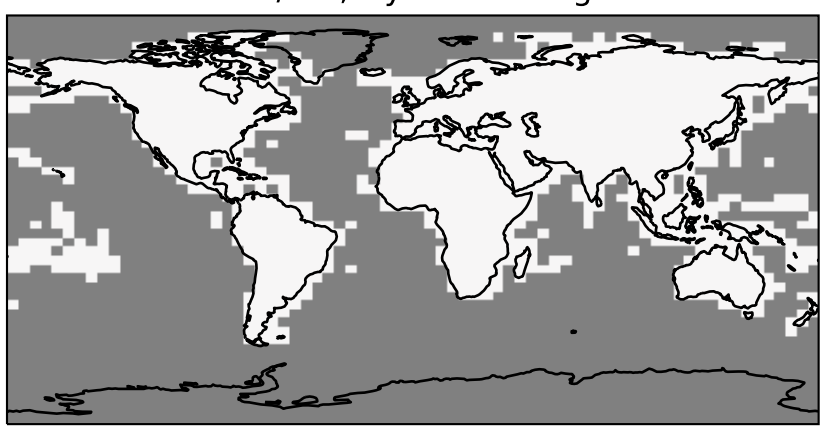


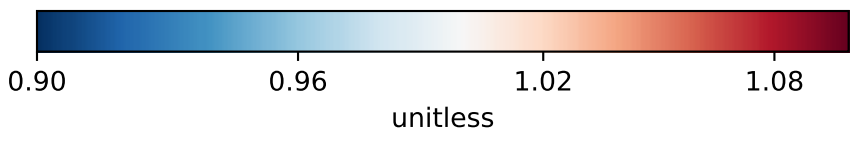
Difference
Dev - Ref, Restricted Range [5%,95%]



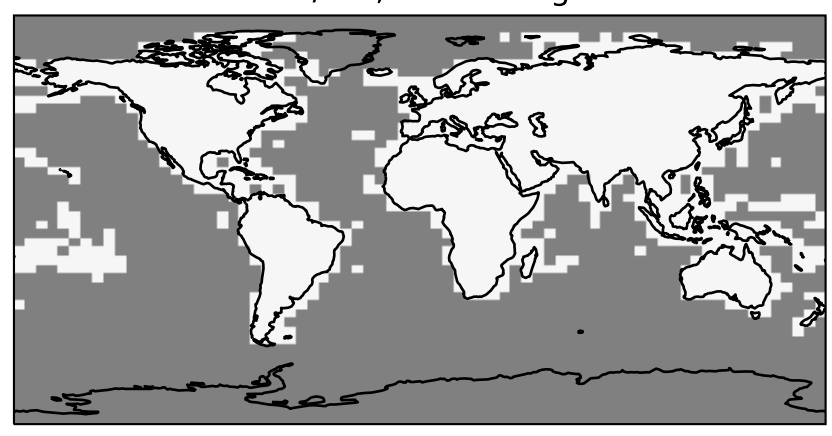


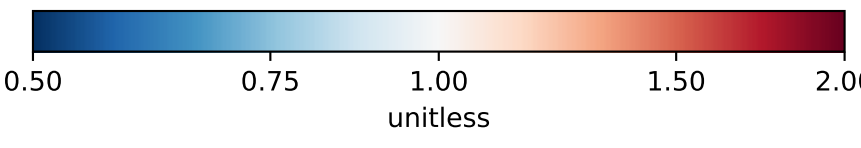
Ratio
Dev/Ref, Dynamic Range





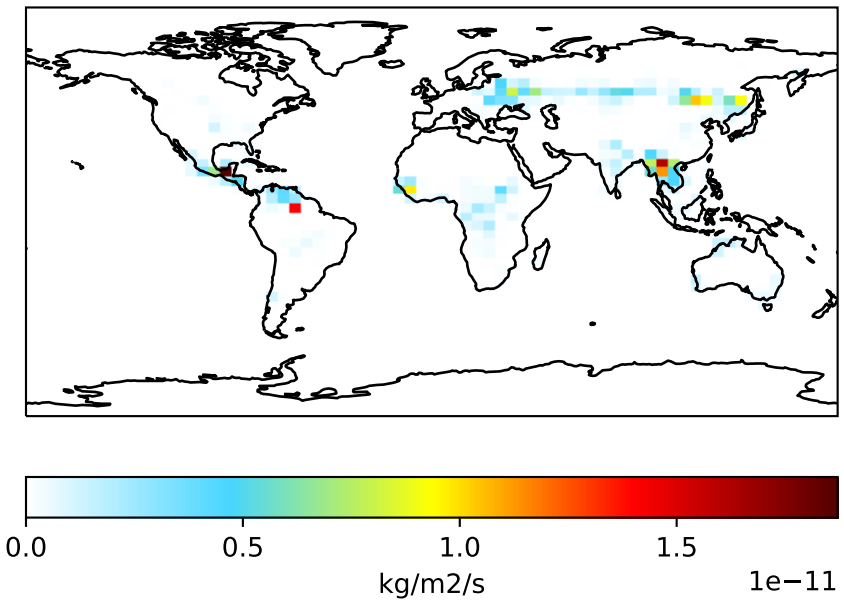
Ratio
Dev/Ref, Fixed Range



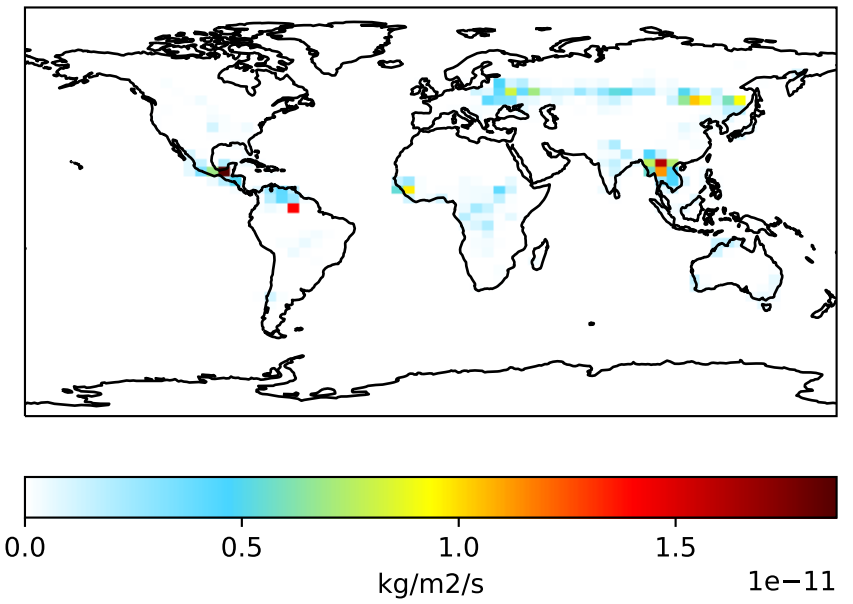


EmisC2H4_BioBurn (Apr2019)

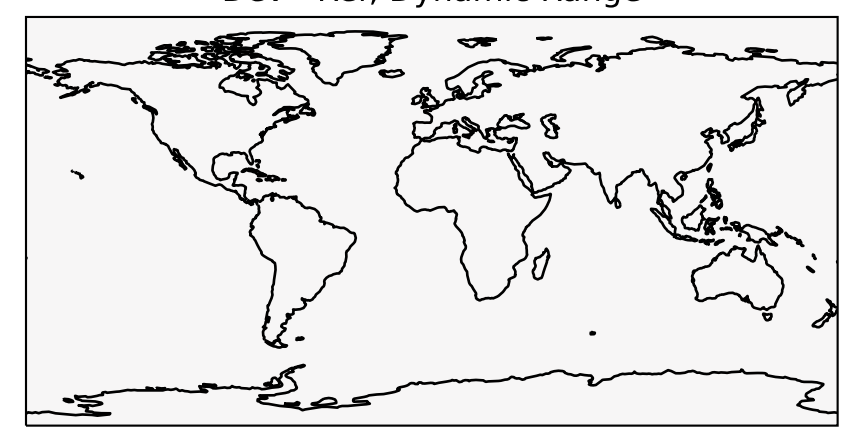
GCC_14.0.0_1yr (Ref)
4.0x5.0

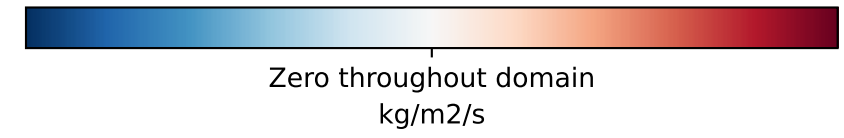


GCC_14.0.0_10yr (Dev)
4.0x5.0

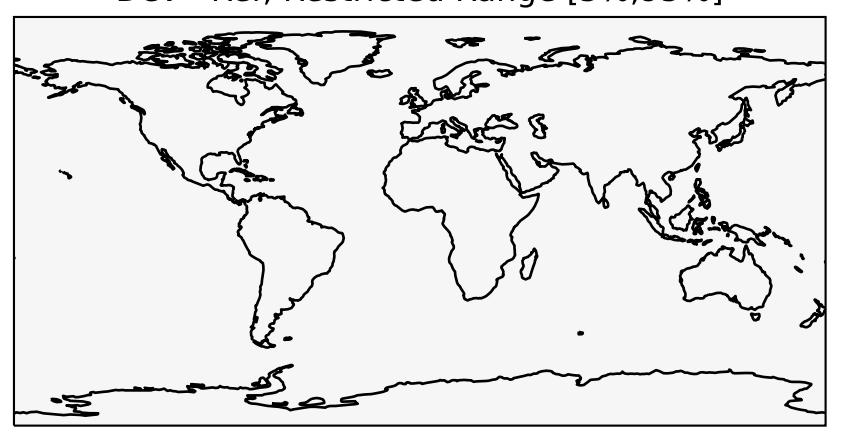


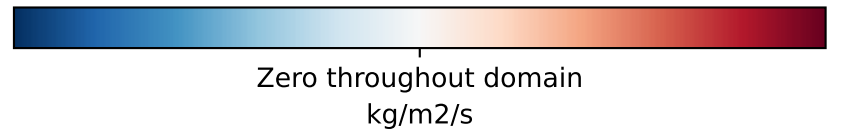
Difference
Dev - Ref, Dynamic Range



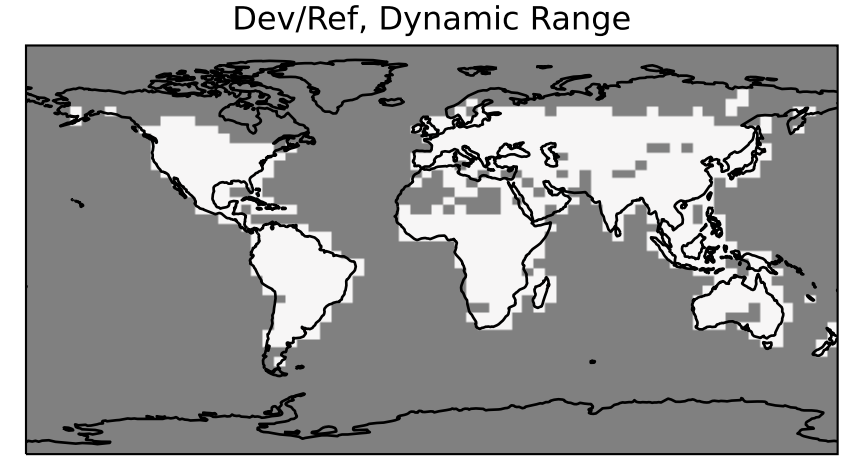


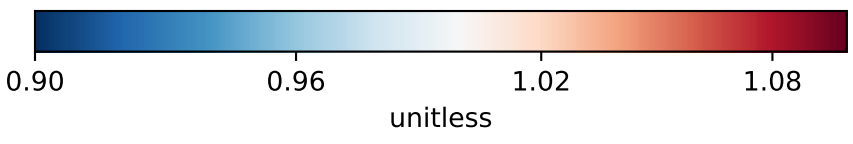
Difference
Dev - Ref, Restricted Range [5%,95%]



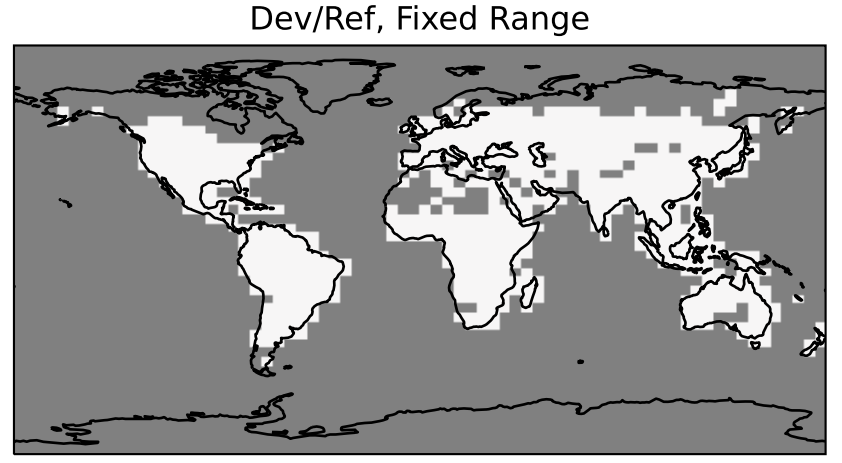


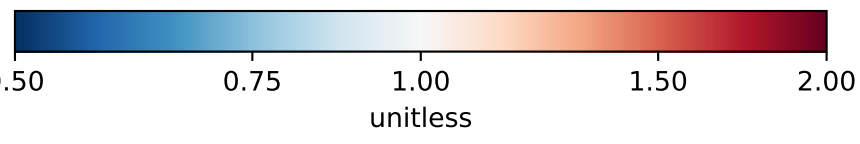
Ratio
Dev/Ref, Dynamic Range





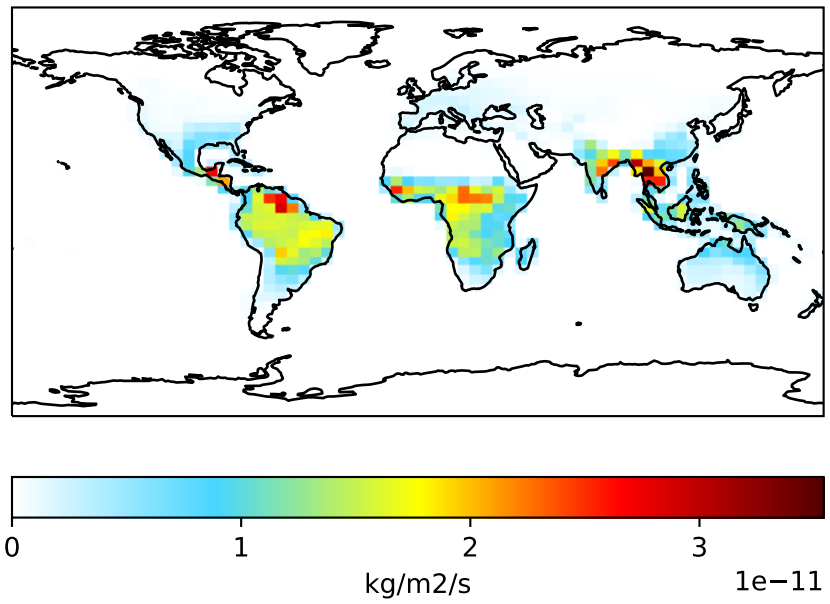
Ratio
Dev/Ref, Fixed Range



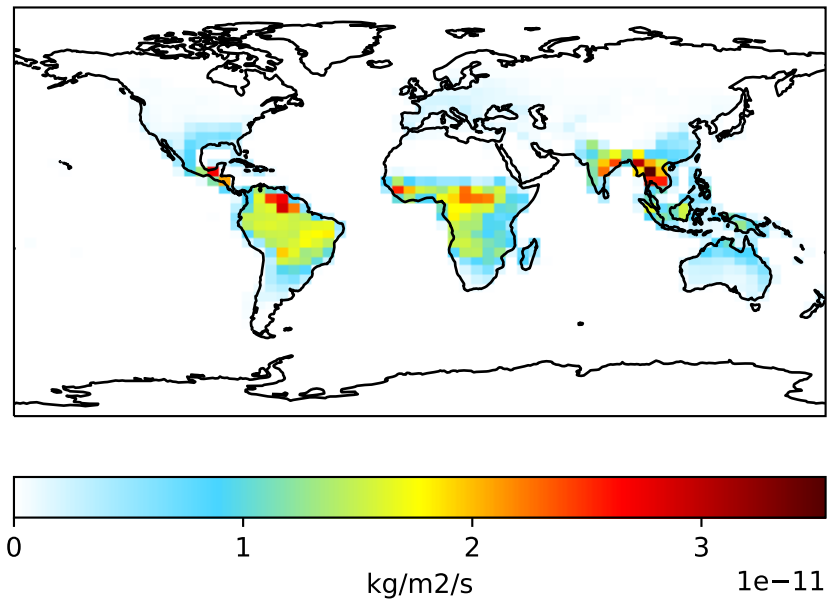


EmisC2H4_Biogenic (Apr2019)

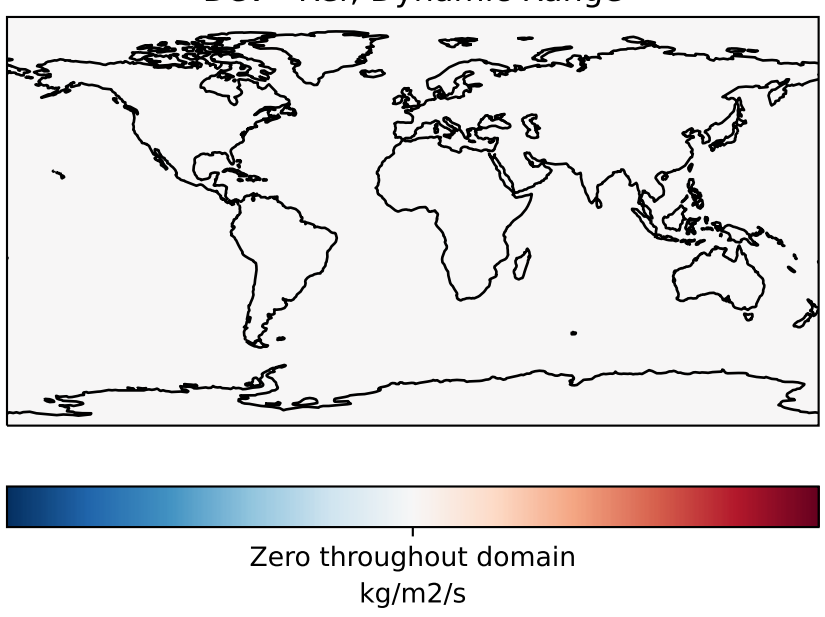
GCC_14.0.0_1yr (Ref)
4.0x5.0



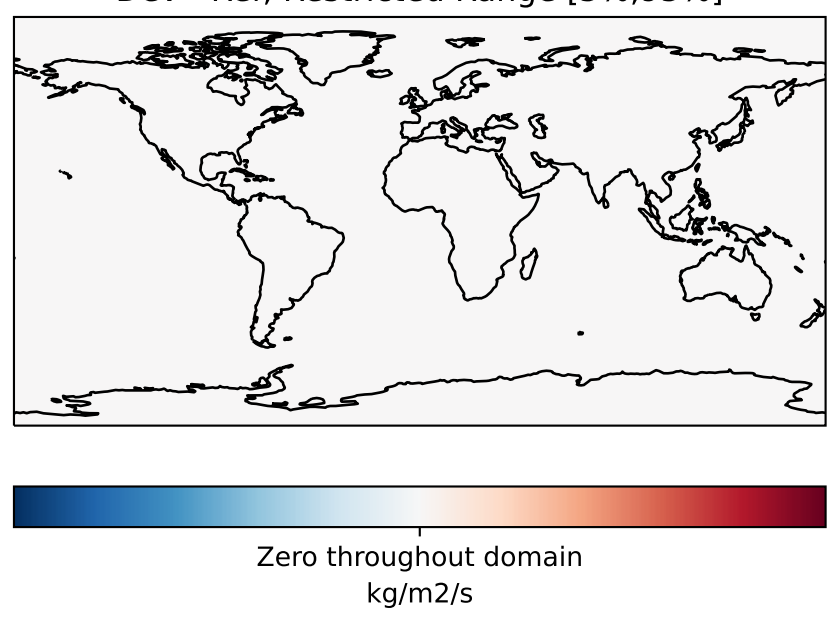
GCC_14.0.0_10yr (Dev)
4.0x5.0



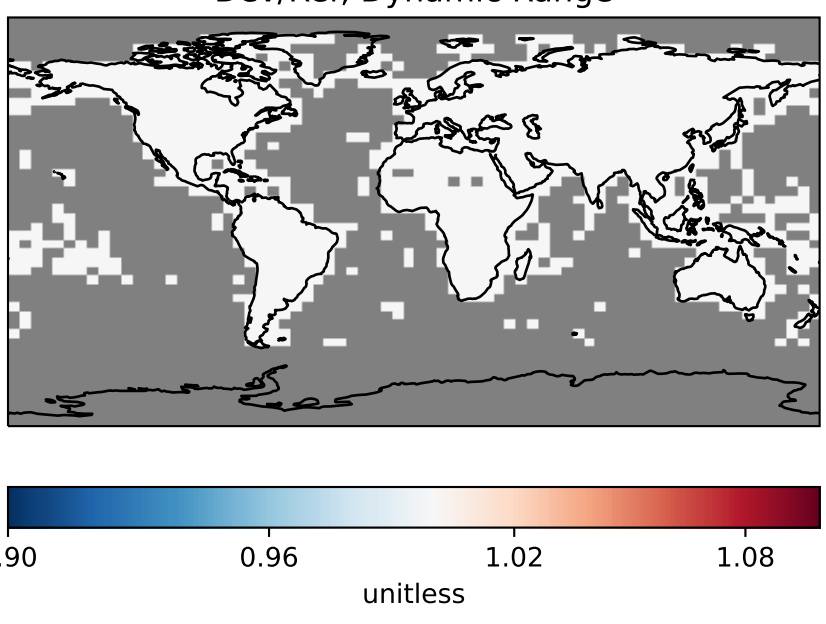
Difference
Dev - Ref, Dynamic Range



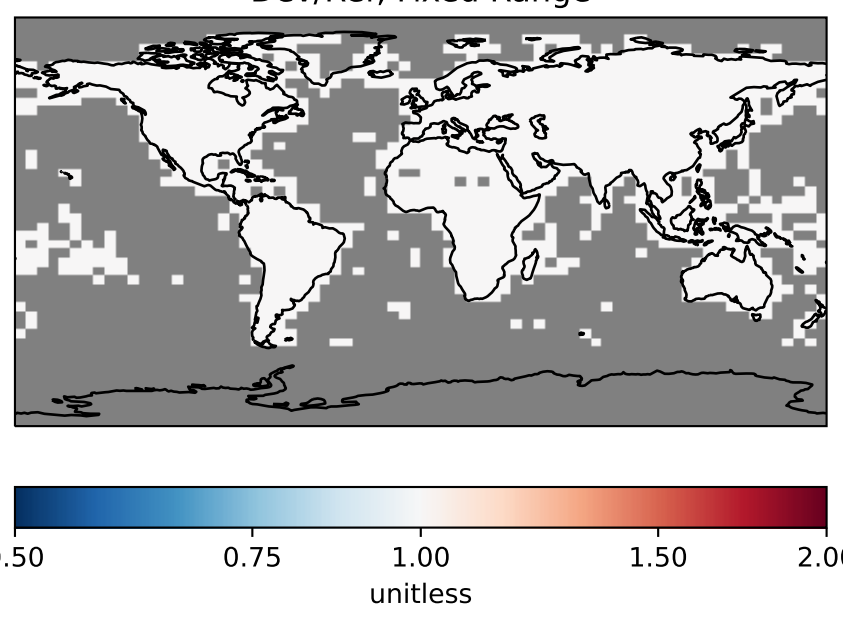
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

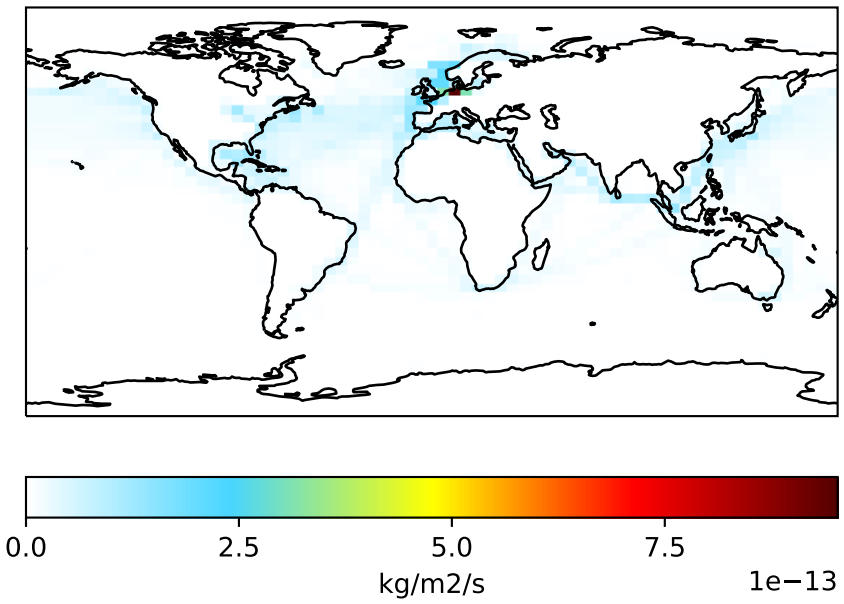


Ratio
Dev/Ref, Fixed Range

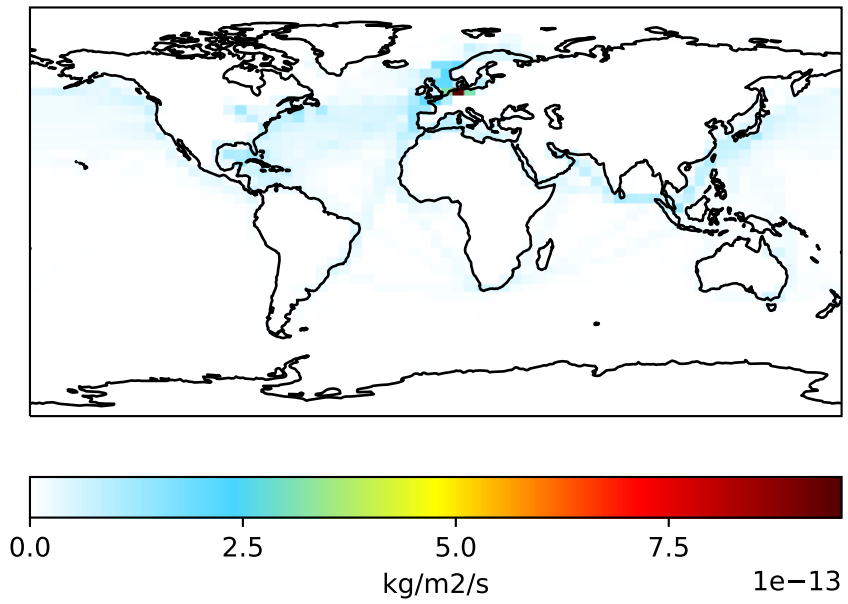


EmisC2H4_Ship (Apr2019)

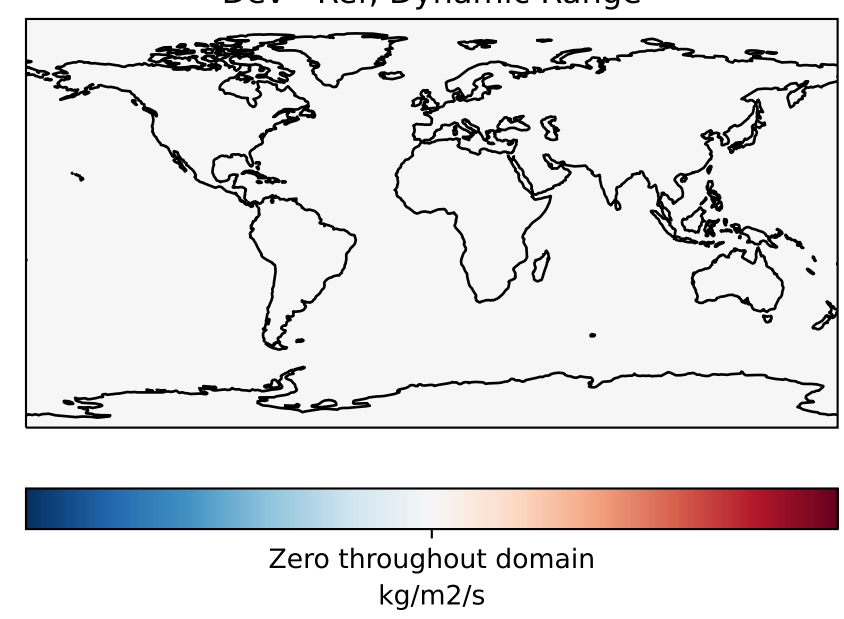
GCC_14.0.0_1yr (Ref)
4.0x5.0



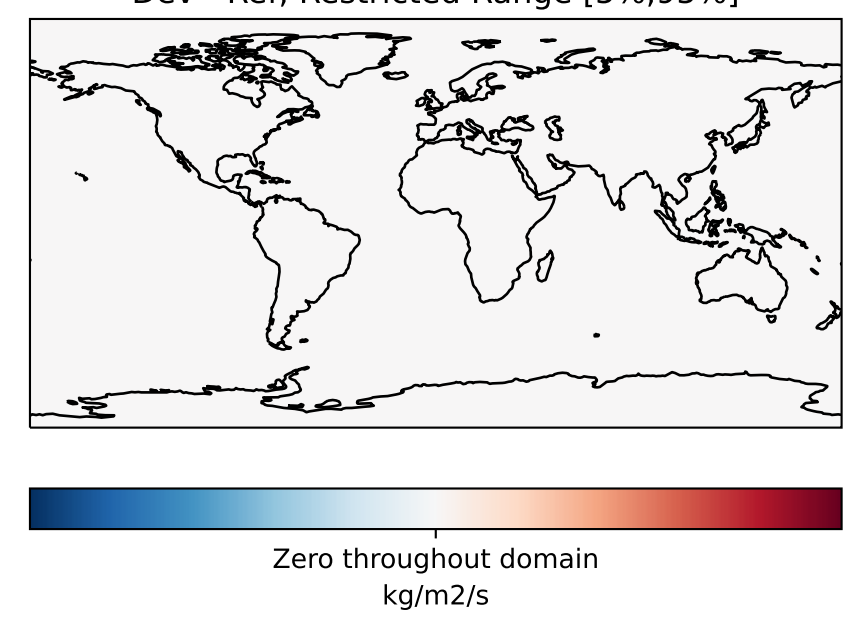
GCC_14.0.0_10yr (Dev)
4.0x5.0



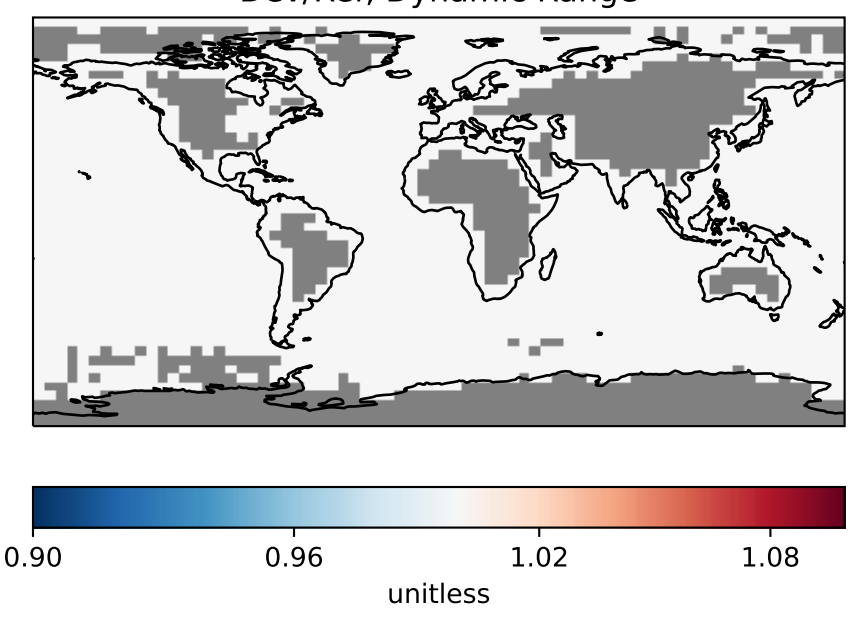
Difference
Dev - Ref, Dynamic Range



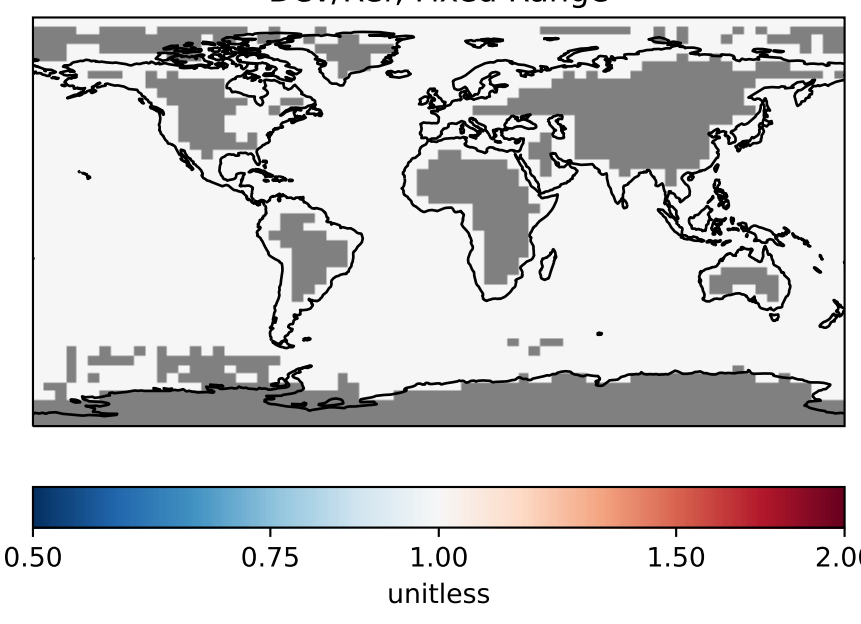
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

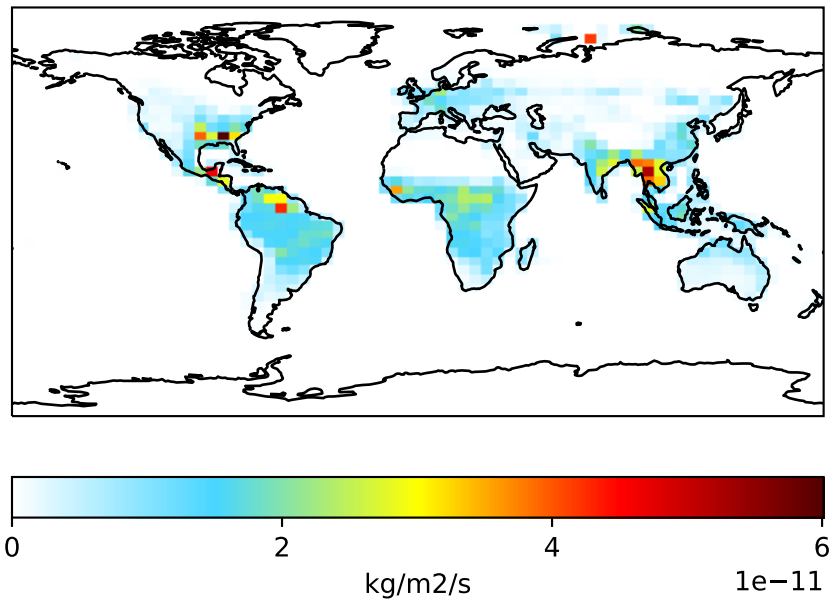


Ratio
Dev/Ref, Fixed Range

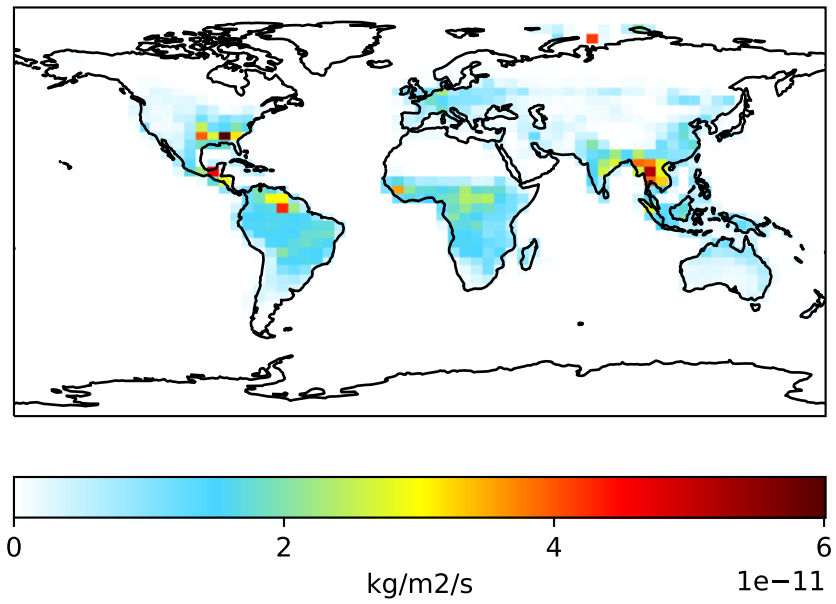


EmisC2H4_Total (Apr2019)

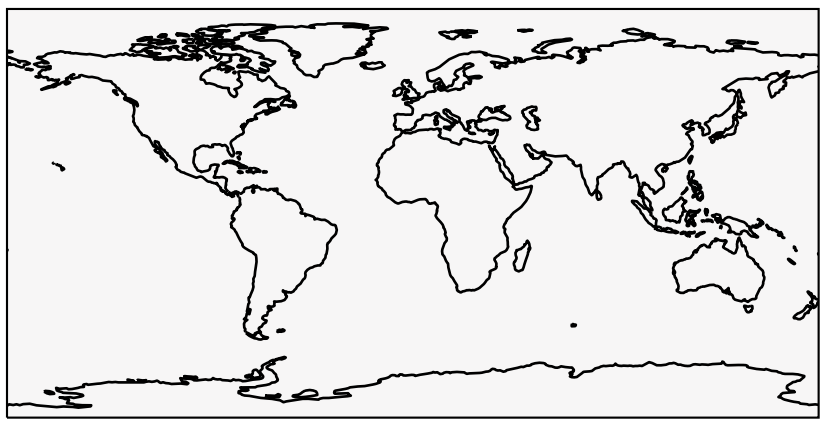
GCC_14.0.0_1yr (Ref)
4.0x5.0

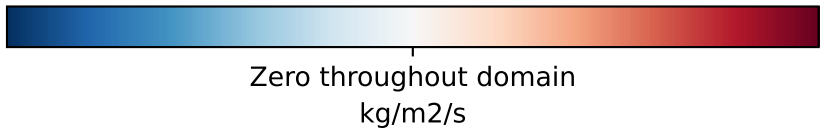


GCC_14.0.0_10yr (Dev)
4.0x5.0

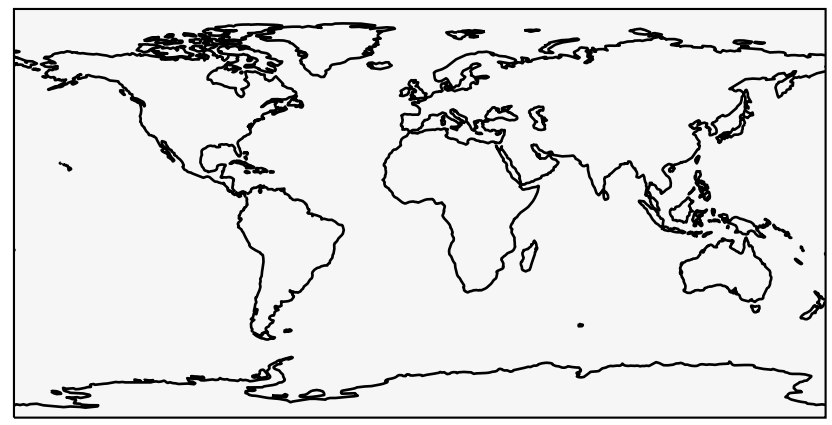


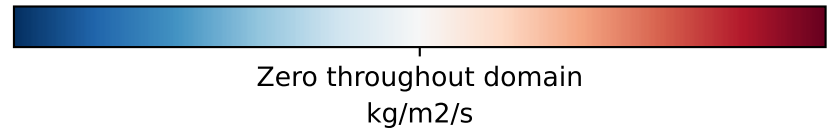
Difference
Dev - Ref, Dynamic Range



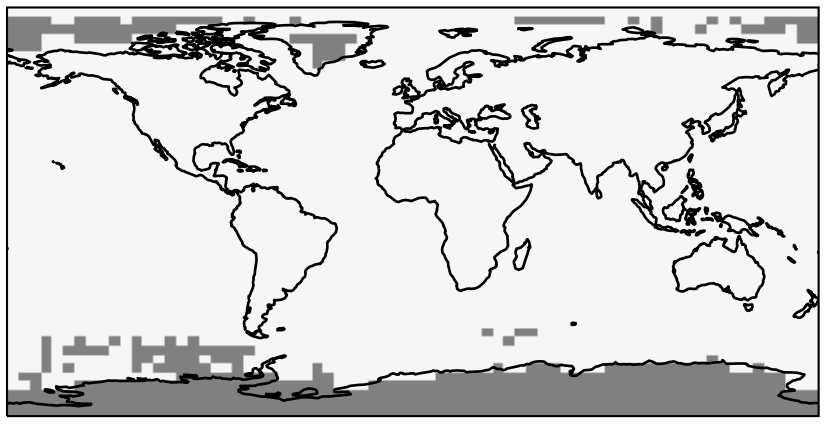


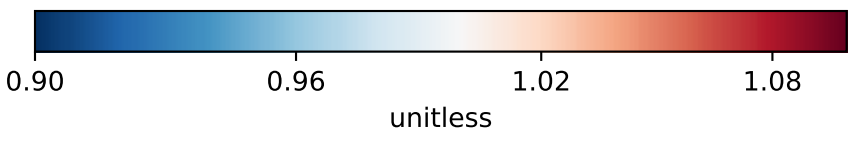
Difference
Dev - Ref, Restricted Range [5%,95%]



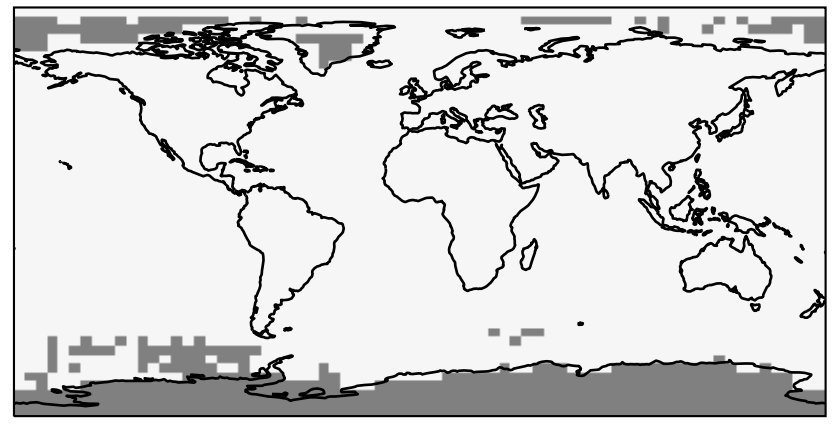


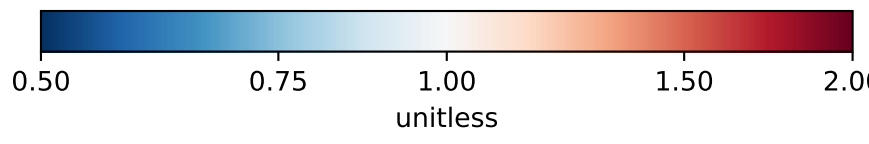
Ratio
Dev/Ref, Dynamic Range





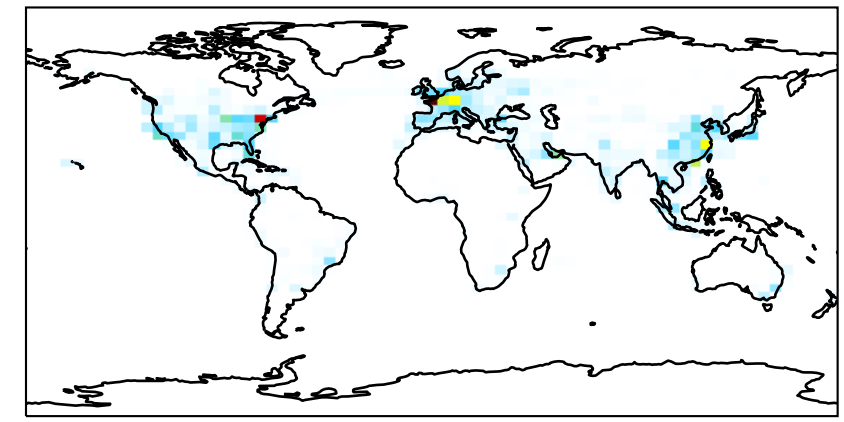
Ratio
Dev/Ref, Fixed Range

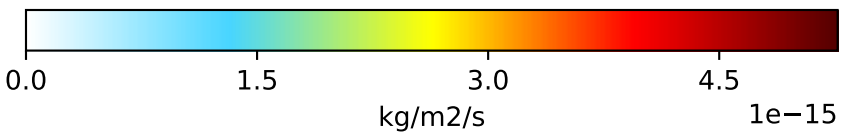




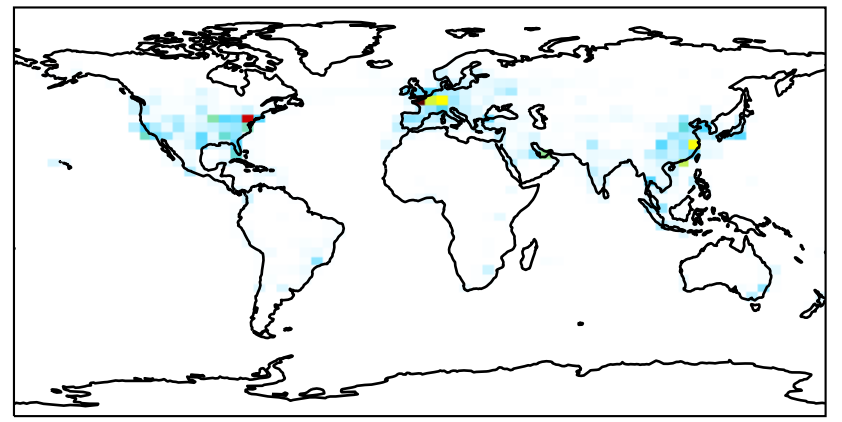
EmisC2H6_Aircraft (Apr2019)

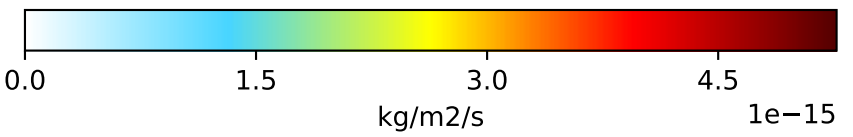
GCC_14.0.0_1yr (Ref)
4.0x5.0



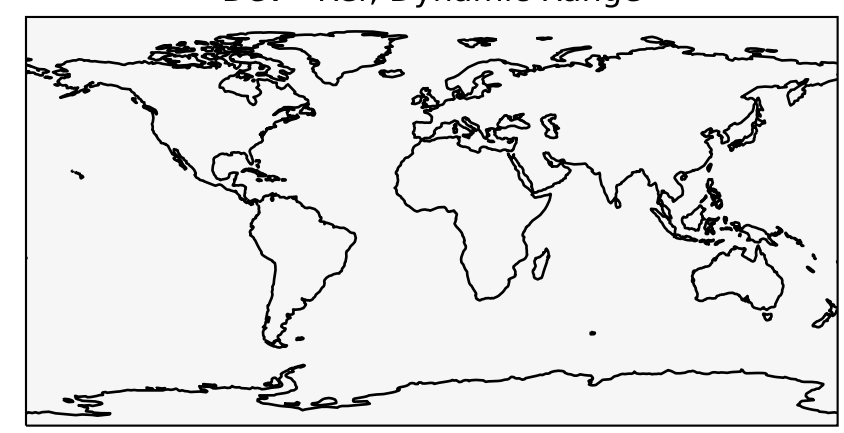


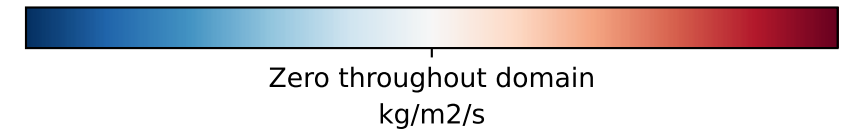
GCC_14.0.0_10yr (Dev)
4.0x5.0



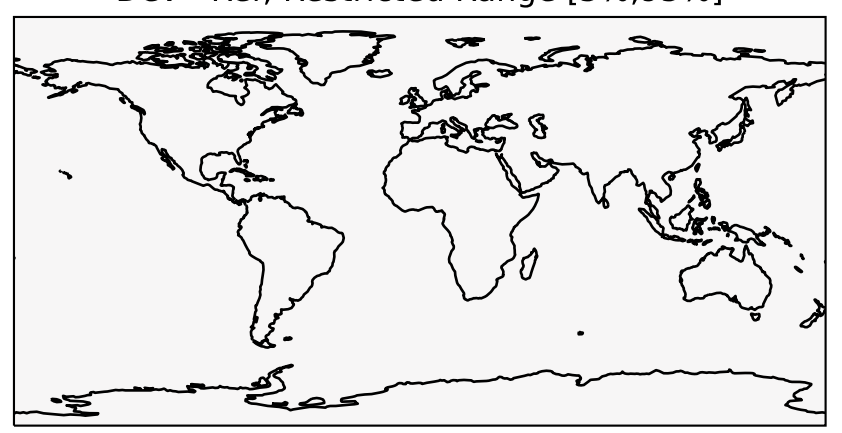


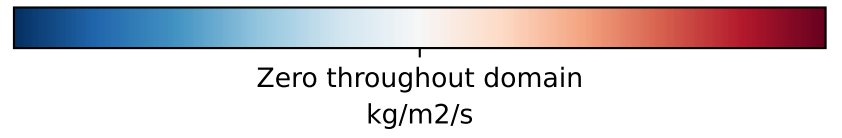
Difference
Dev - Ref, Dynamic Range



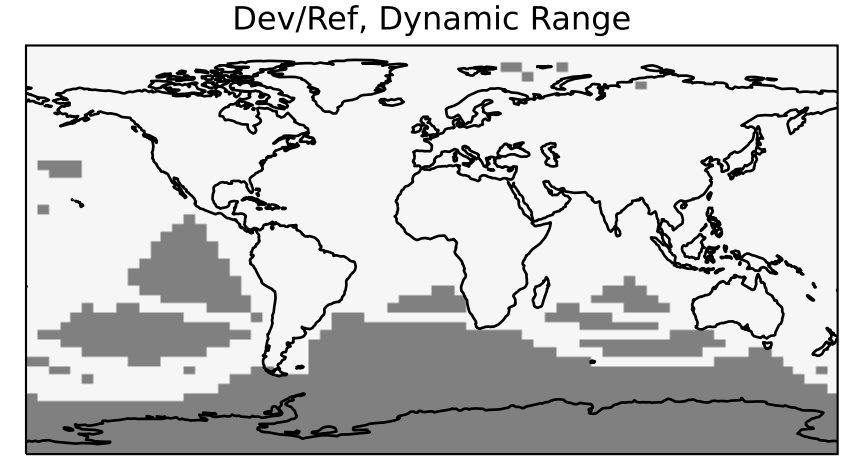


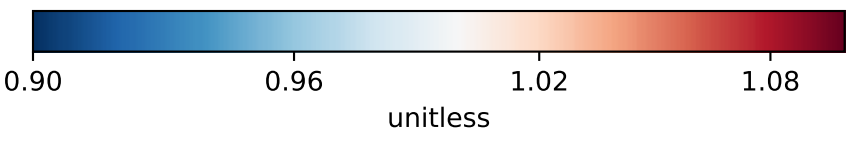
Difference
Dev - Ref, Restricted Range [5%,95%]



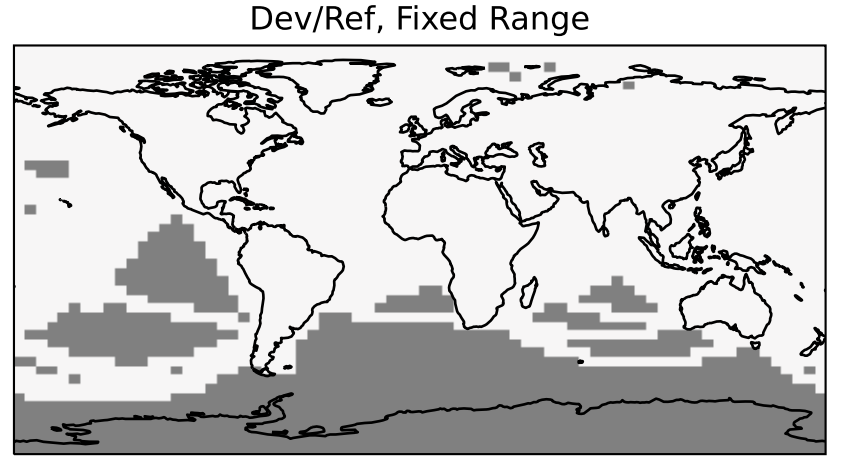


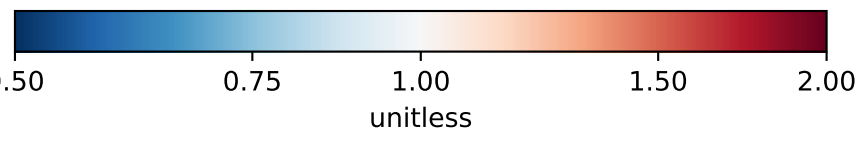
Ratio
Dev/Ref, Dynamic Range





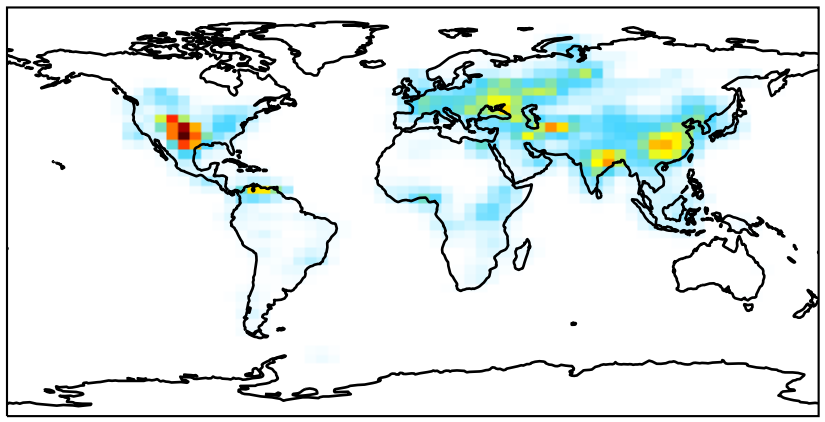
Ratio
Dev/Ref, Fixed Range

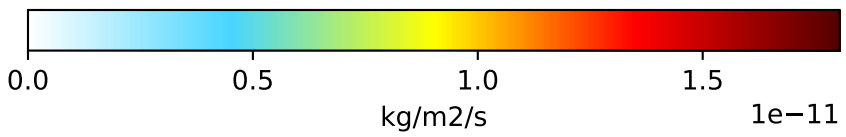




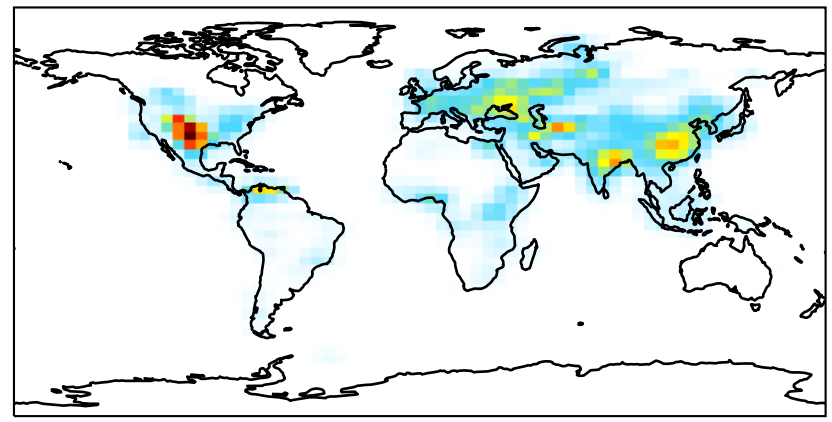
EmisC2H6_Anthro (Apr2019)

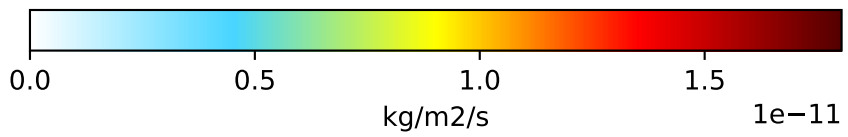
GCC_14.0.0_1yr (Ref)
4.0x5.0



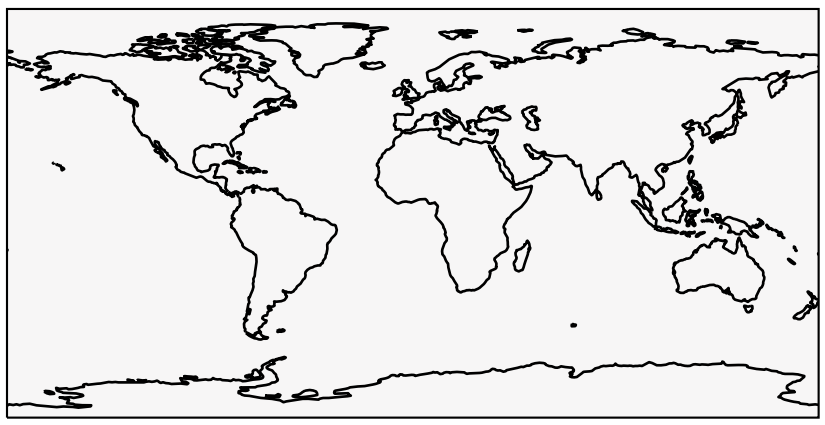


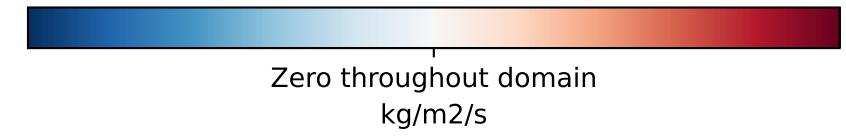
GCC_14.0.0_10yr (Dev)
4.0x5.0



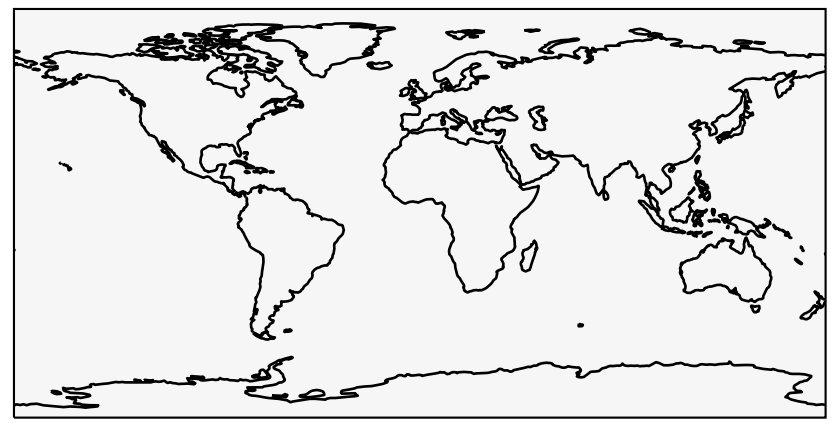


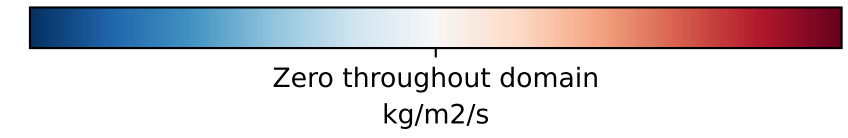
Difference
Dev - Ref, Dynamic Range



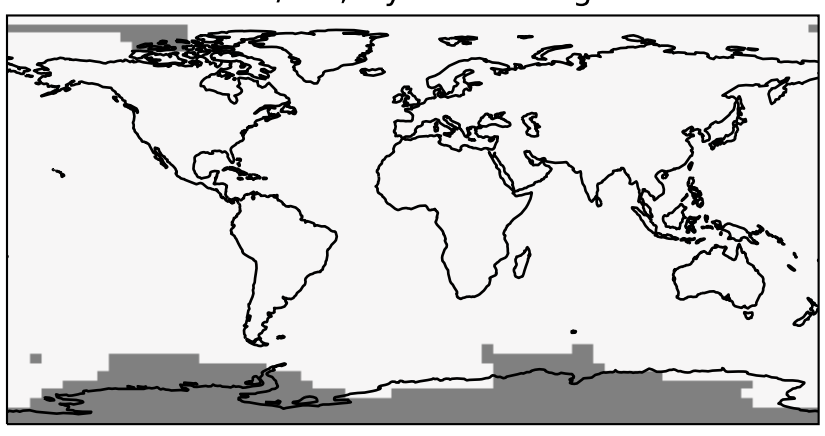


Difference
Dev - Ref, Restricted Range [5%,95%]

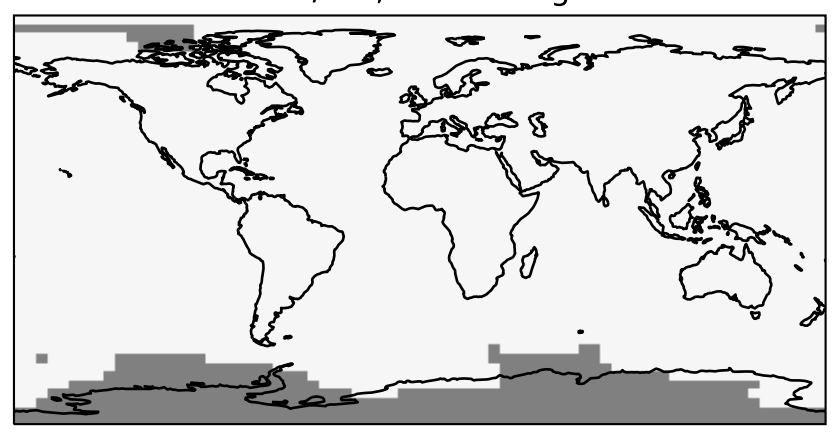


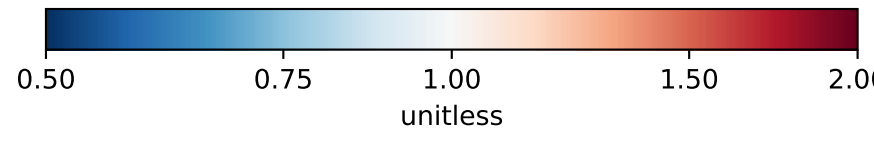


Ratio
Dev/Ref, Dynamic Range



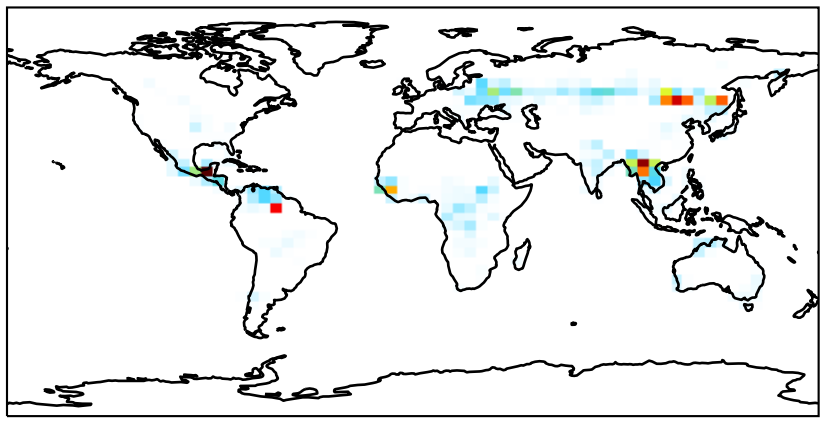
Ratio
Dev/Ref, Fixed Range

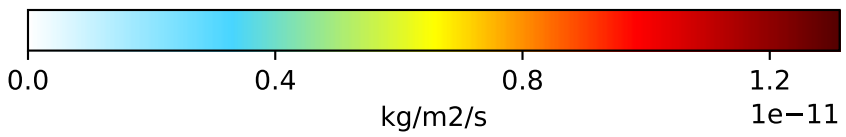




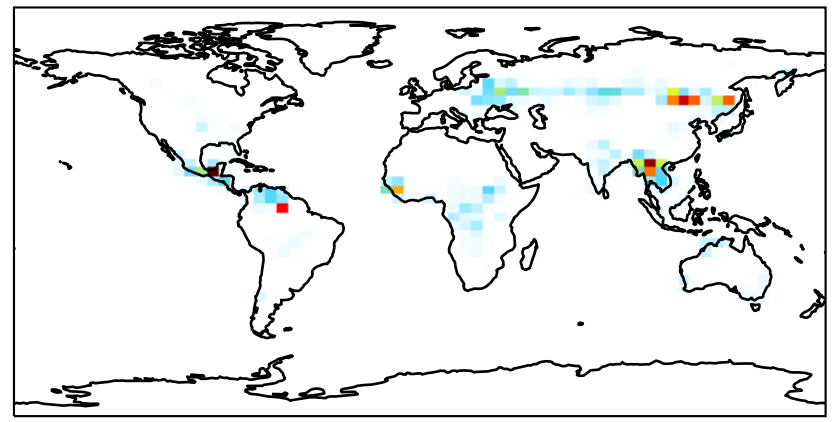
EmisC2H6_BioBurn (Apr2019)

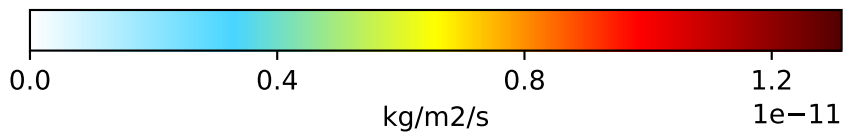
GCC_14.0.0_1yr (Ref)
4.0x5.0



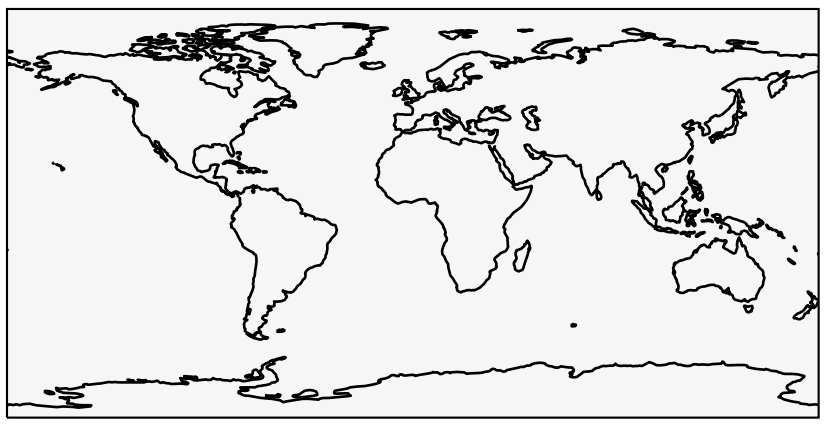


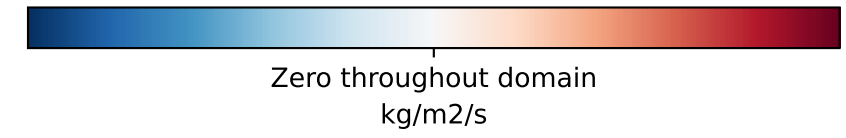
GCC_14.0.0_10yr (Dev)
4.0x5.0



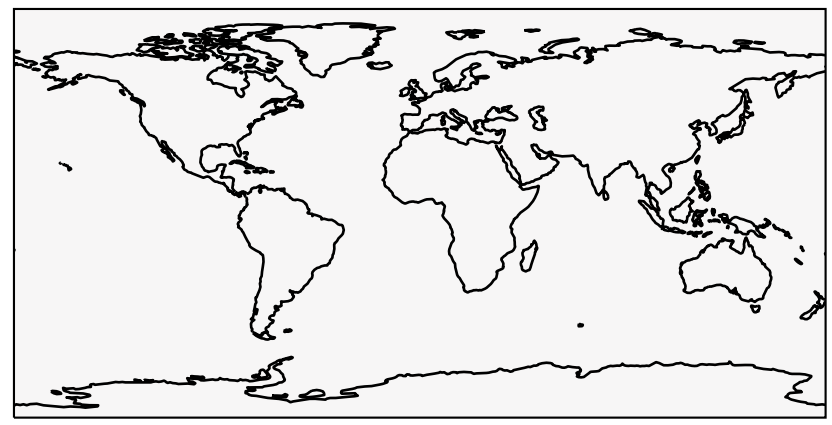


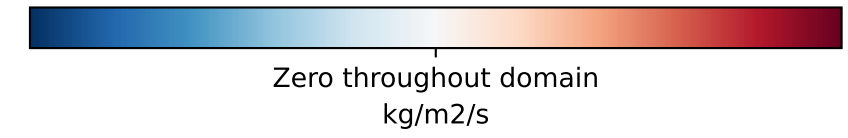
Difference
Dev - Ref, Dynamic Range



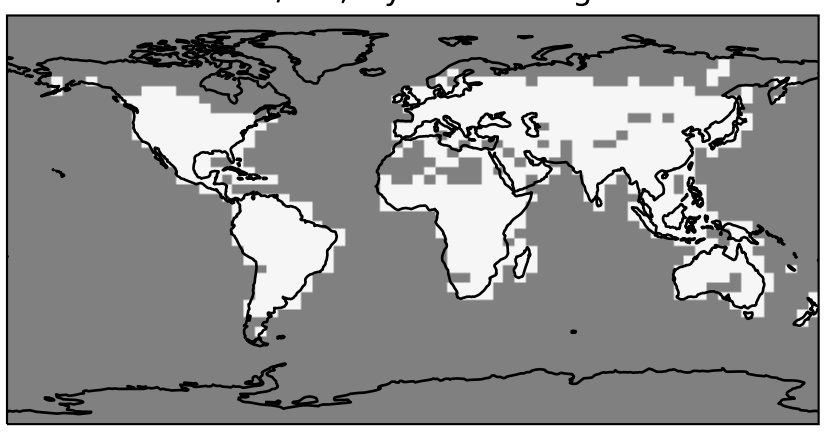


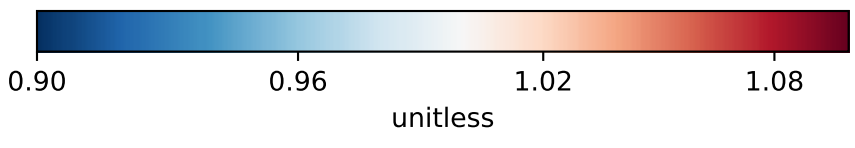
Difference
Dev - Ref, Restricted Range [5%,95%]



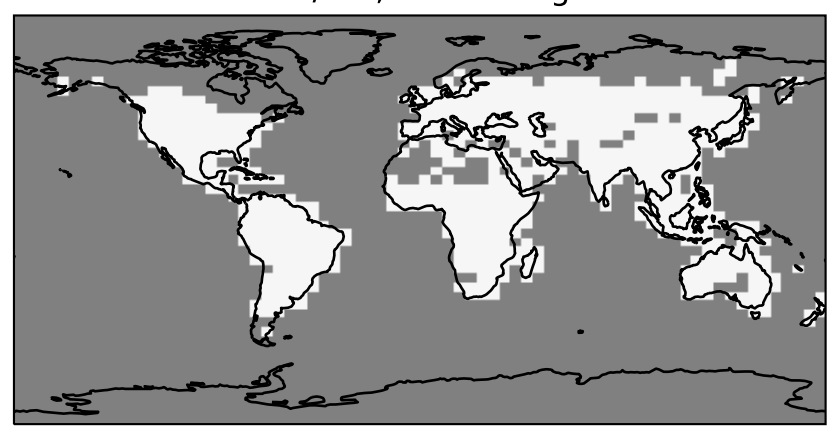


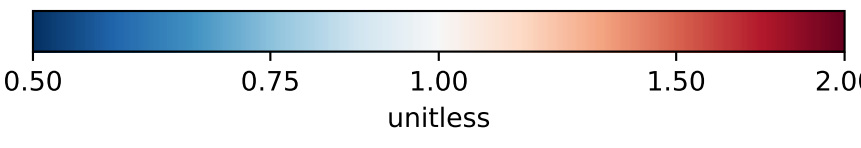
Ratio
Dev/Ref, Dynamic Range





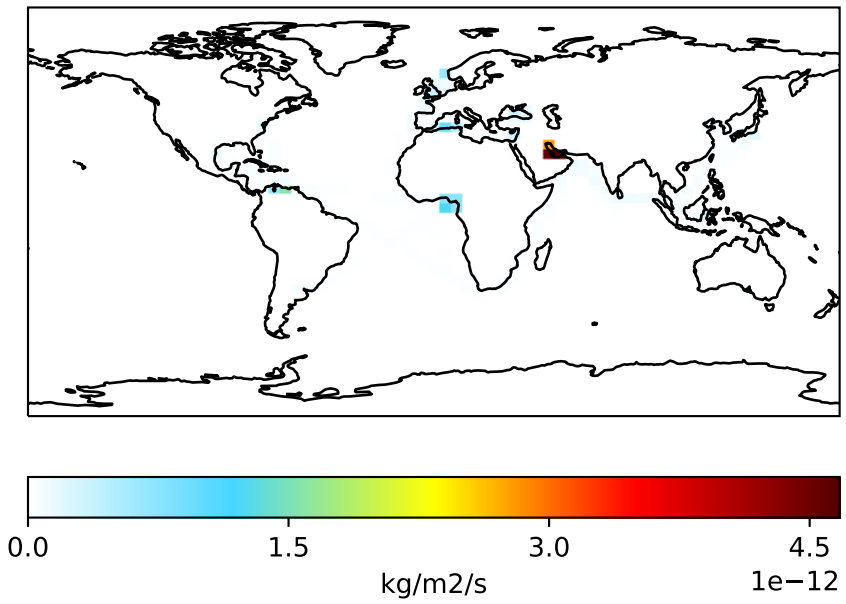
Ratio
Dev/Ref, Fixed Range



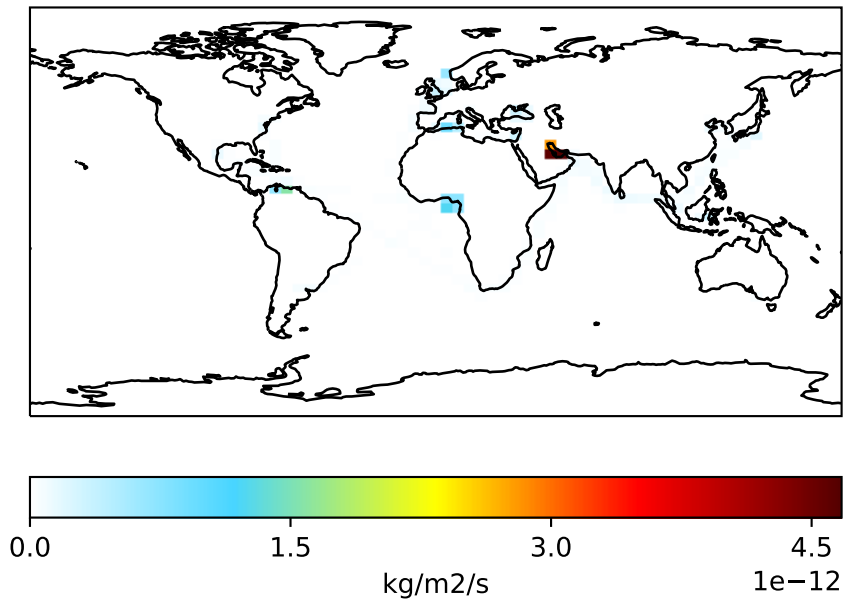


EmisC2H6_Ship (Apr2019)

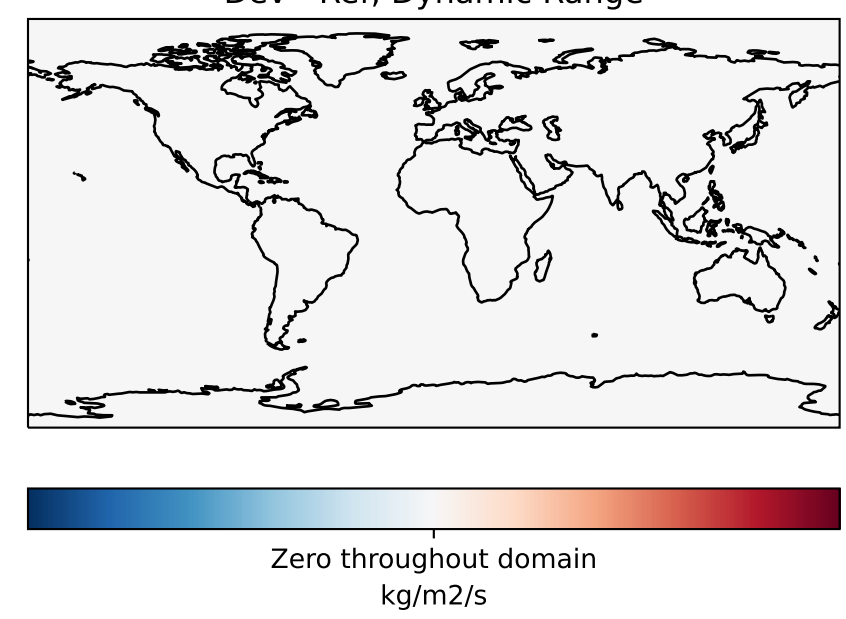
GCC_14.0.0_1yr (Ref)
4.0x5.0



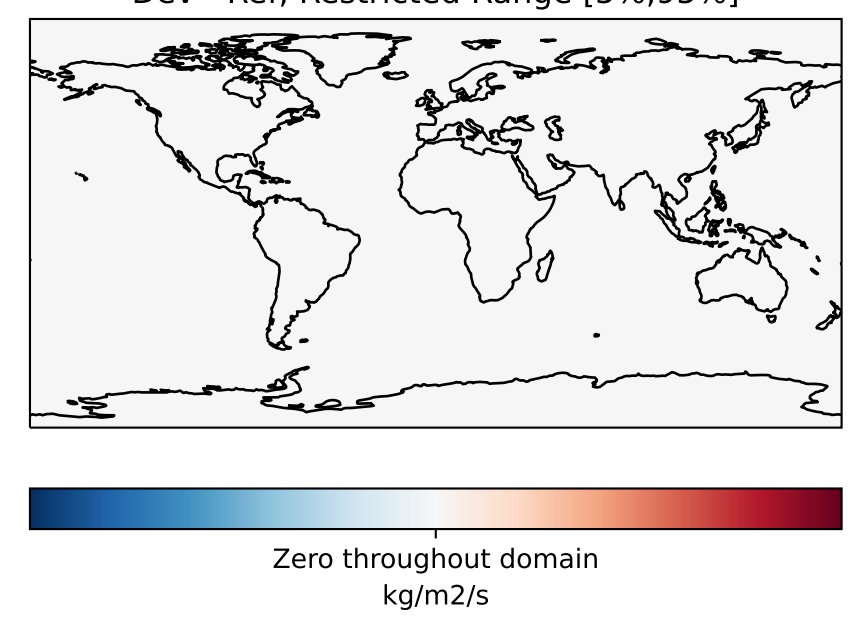
GCC_14.0.0_10yr (Dev)
4.0x5.0



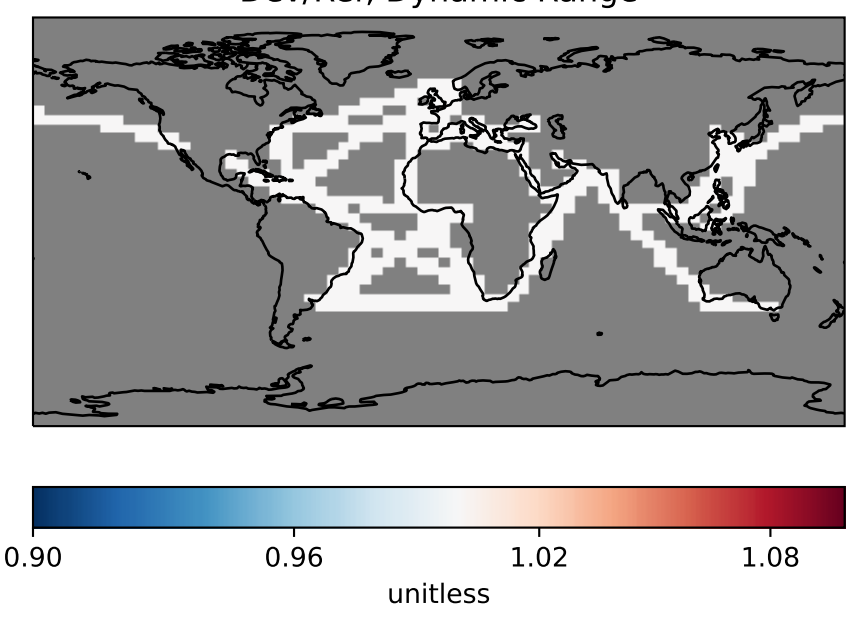
Difference
Dev - Ref, Dynamic Range



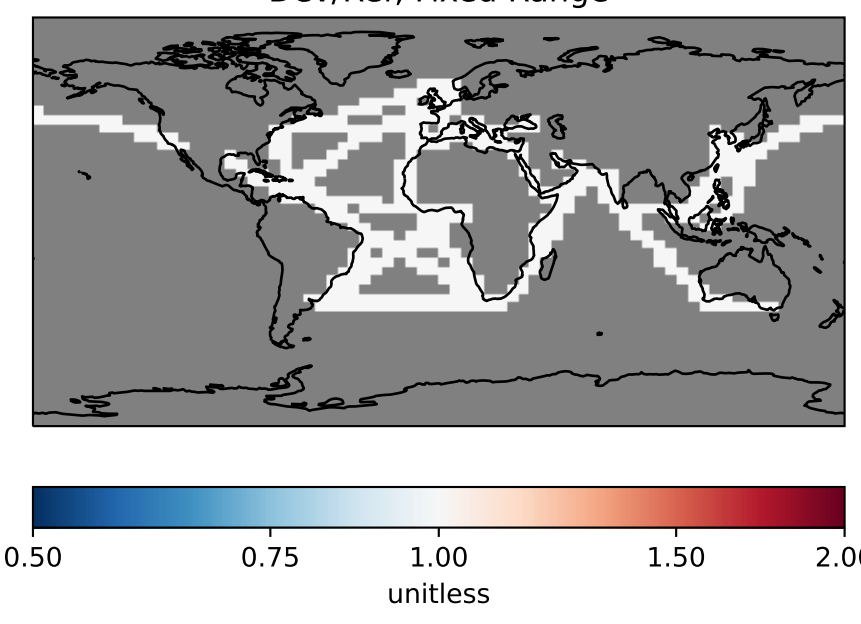
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

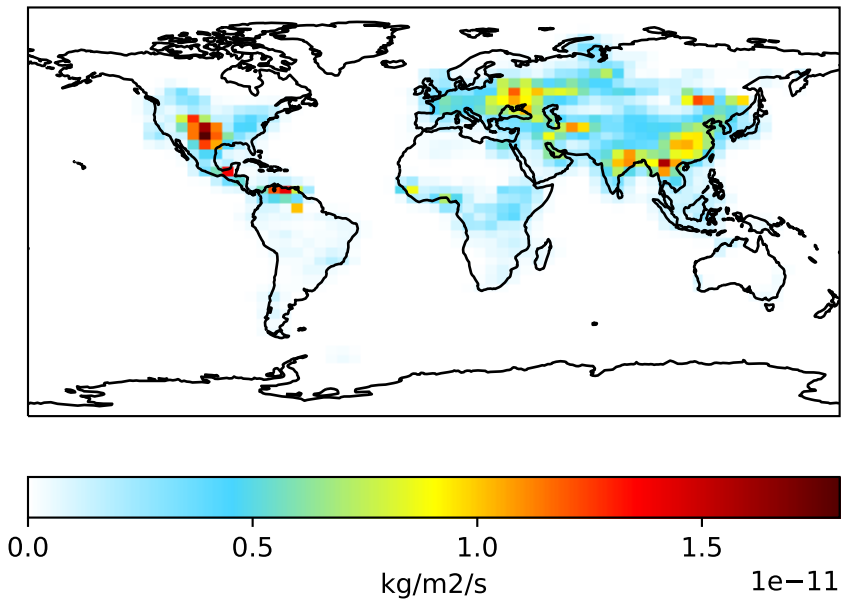


Ratio
Dev/Ref, Fixed Range

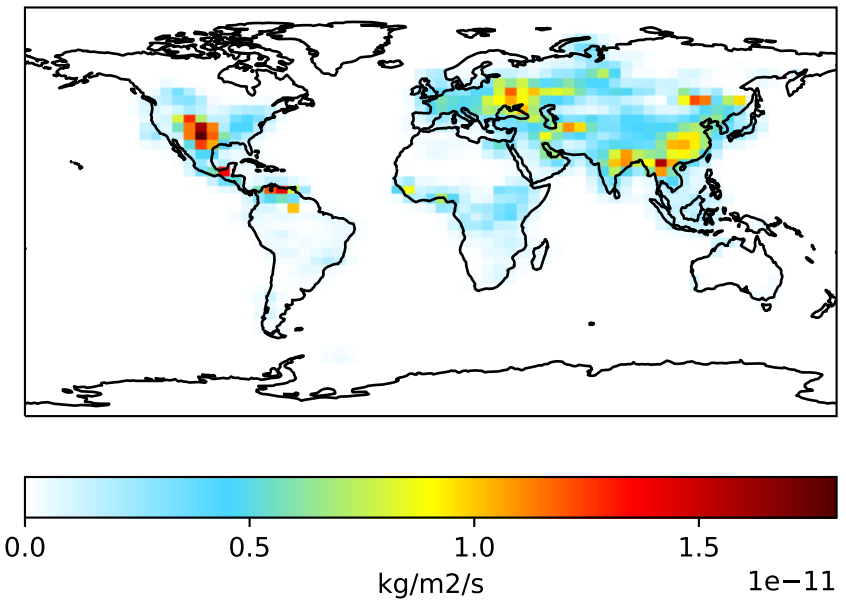


EmisC2H6_Total (Apr2019)

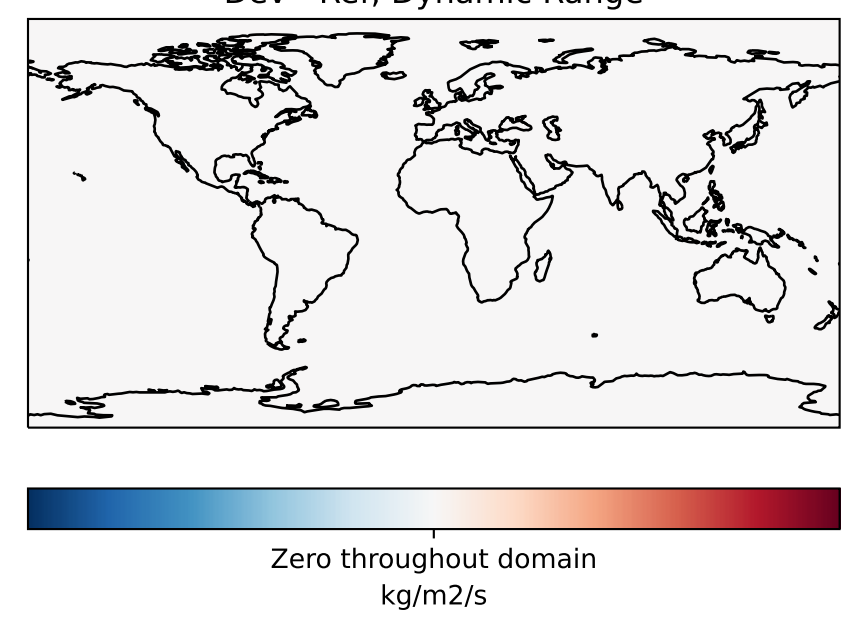
GCC_14.0.0_1yr (Ref)
4.0x5.0



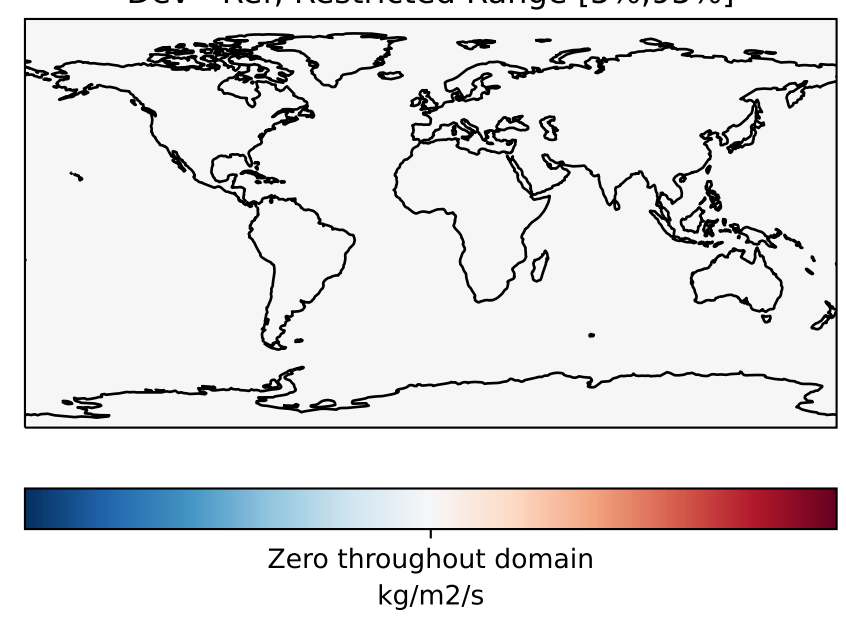
GCC_14.0.0_10yr (Dev)
4.0x5.0



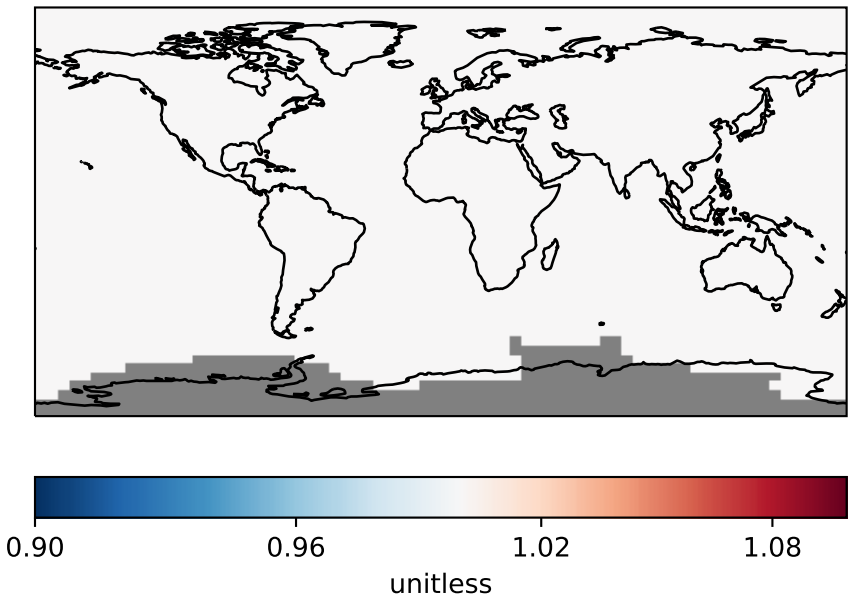
Difference
Dev - Ref, Dynamic Range



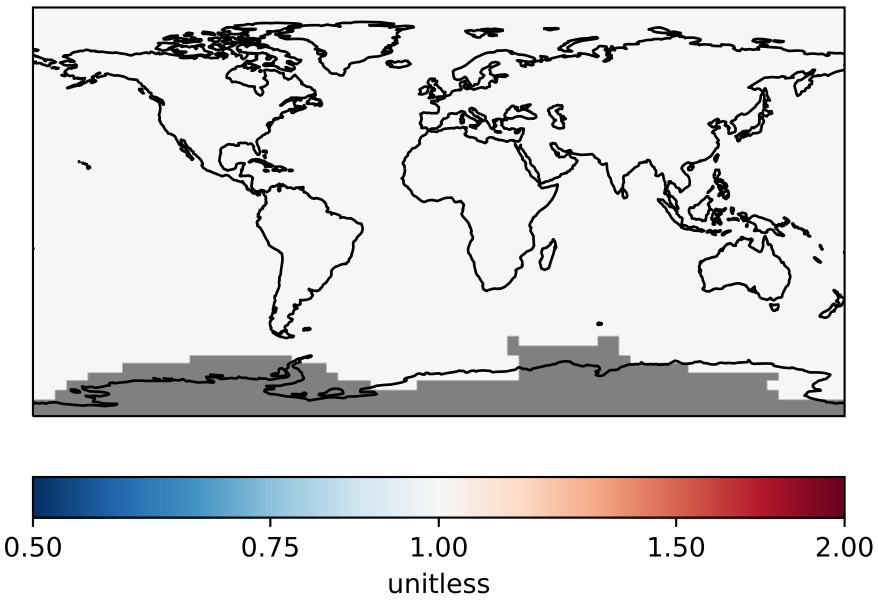
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

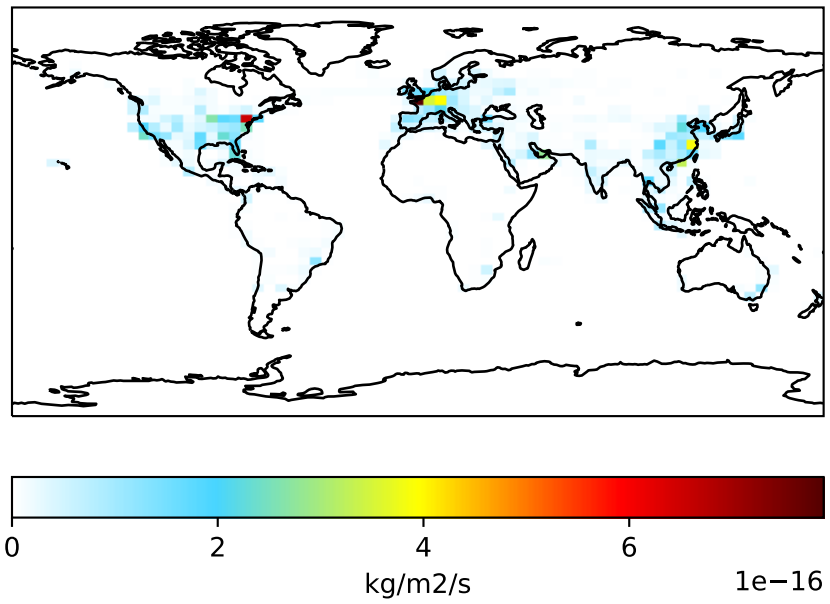


Ratio
Dev/Ref, Fixed Range

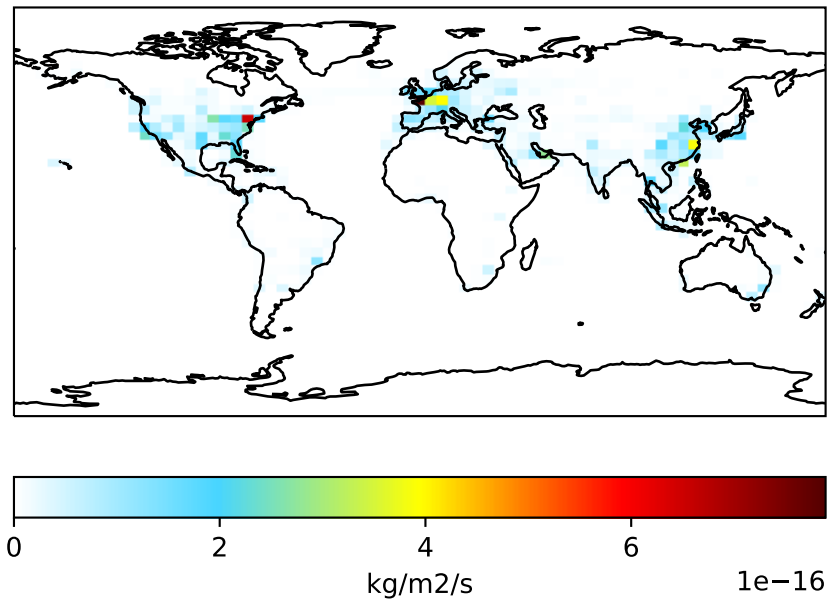


EmisC3H8_Aircraft (Apr2019)

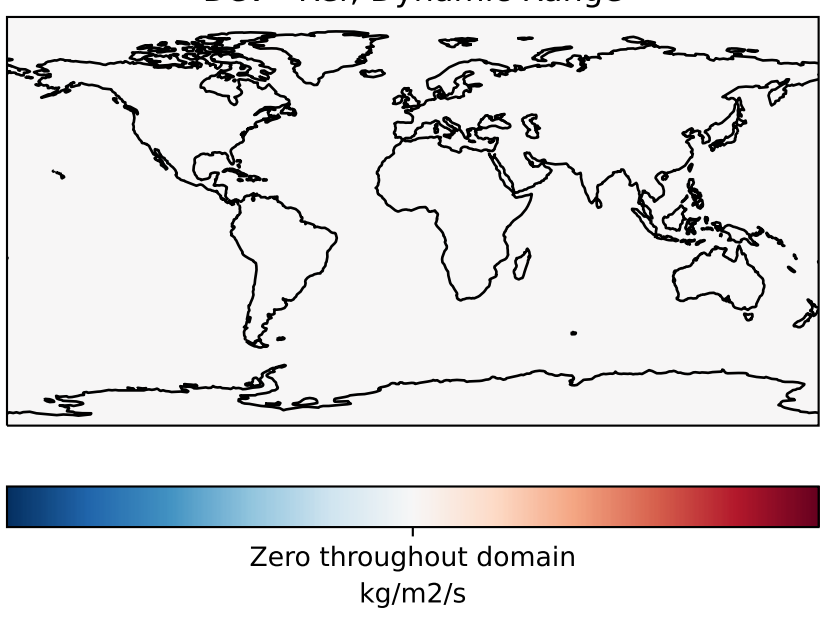
GCC_14.0.0_1yr (Ref)
4.0x5.0



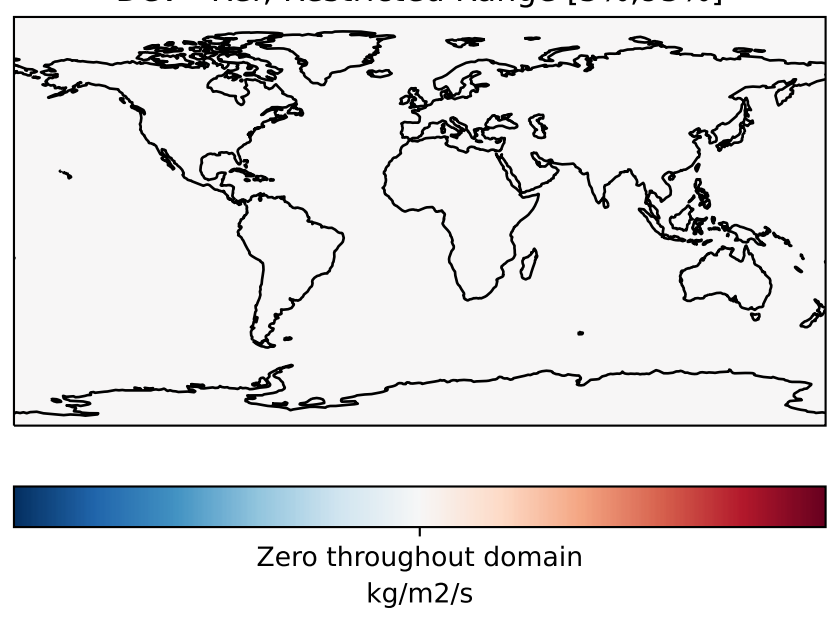
GCC_14.0.0_10yr (Dev)
4.0x5.0



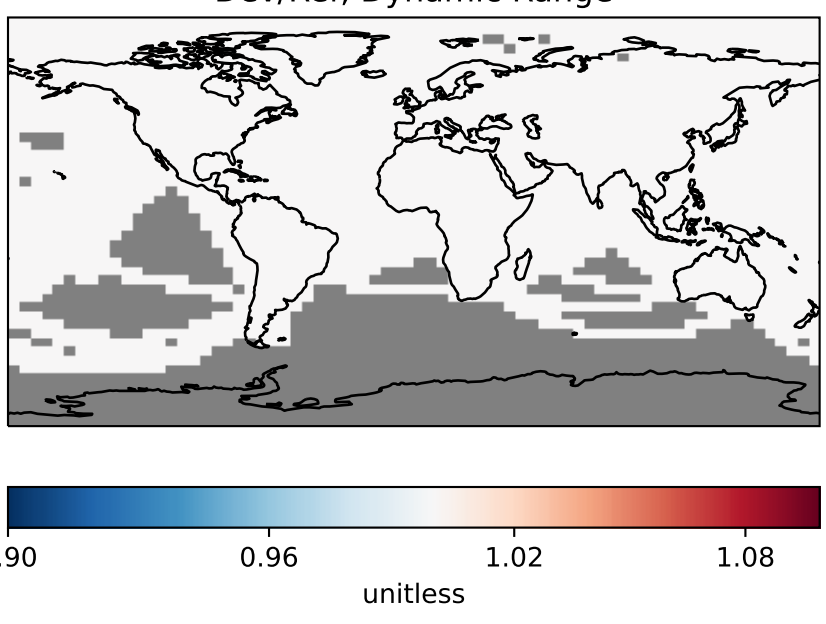
Difference
Dev - Ref, Dynamic Range



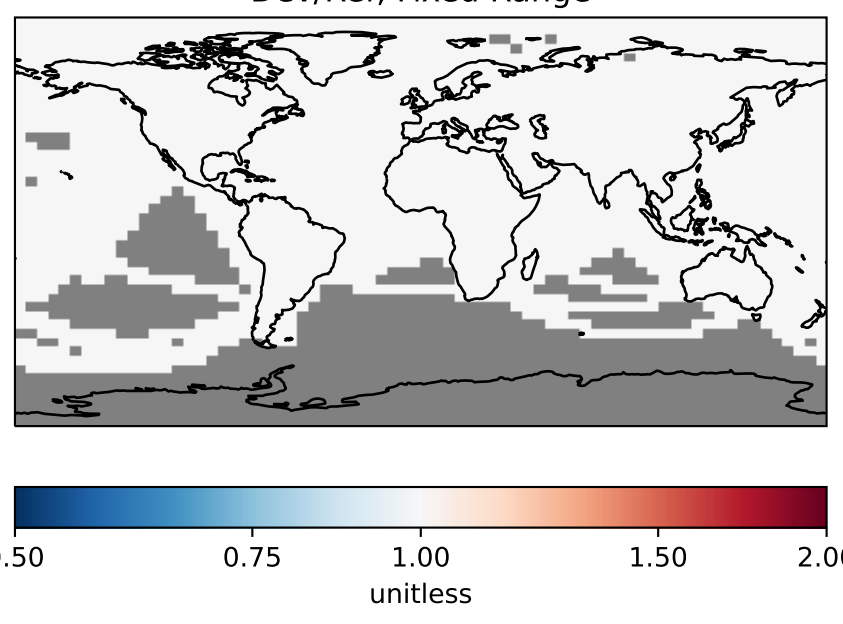
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

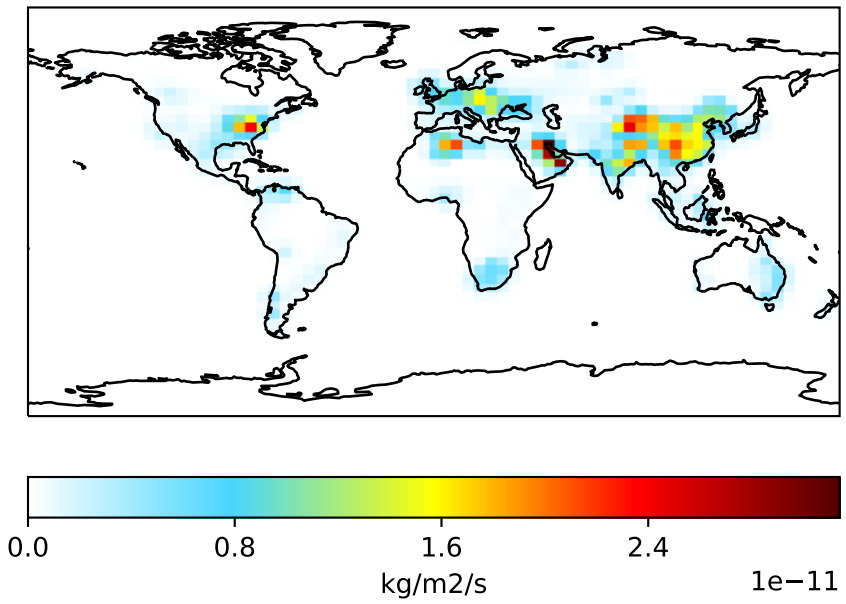


Ratio
Dev/Ref, Fixed Range

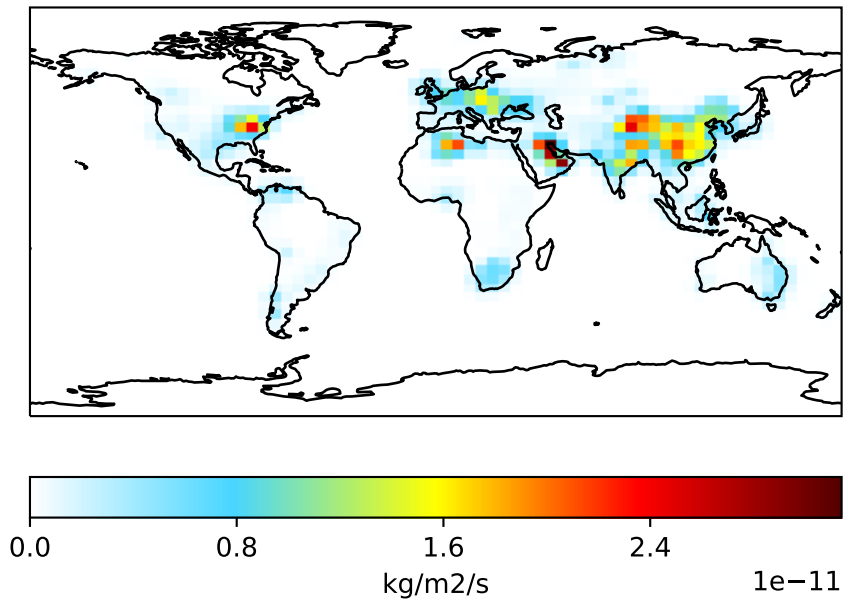


EmisC3H8_Anthro (Apr2019)

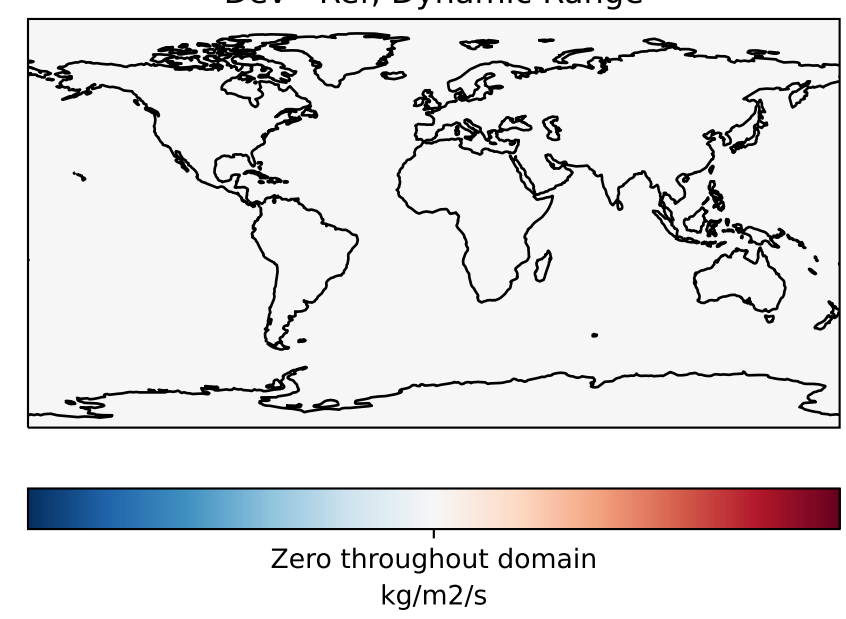
GCC_14.0.0_1yr (Ref)
4.0x5.0



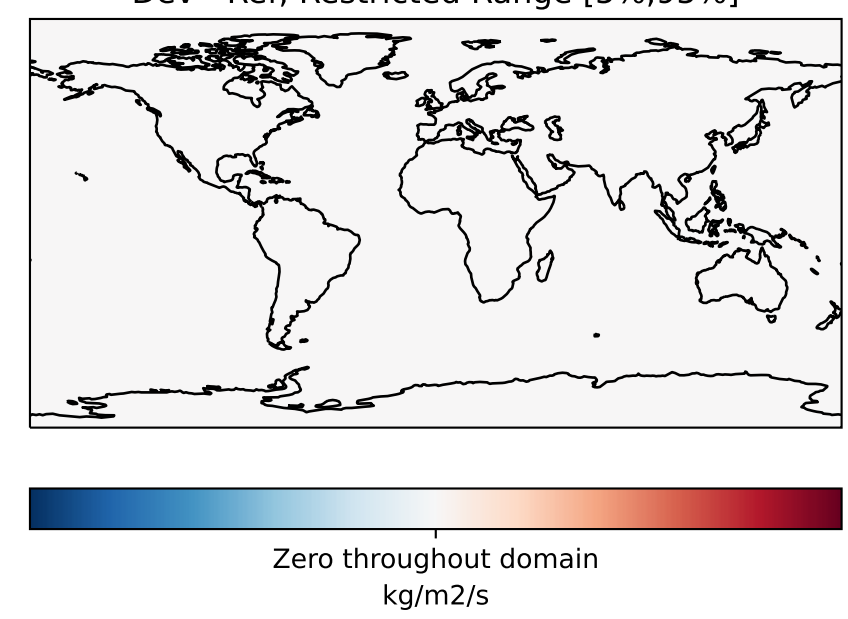
GCC_14.0.0_10yr (Dev)
4.0x5.0



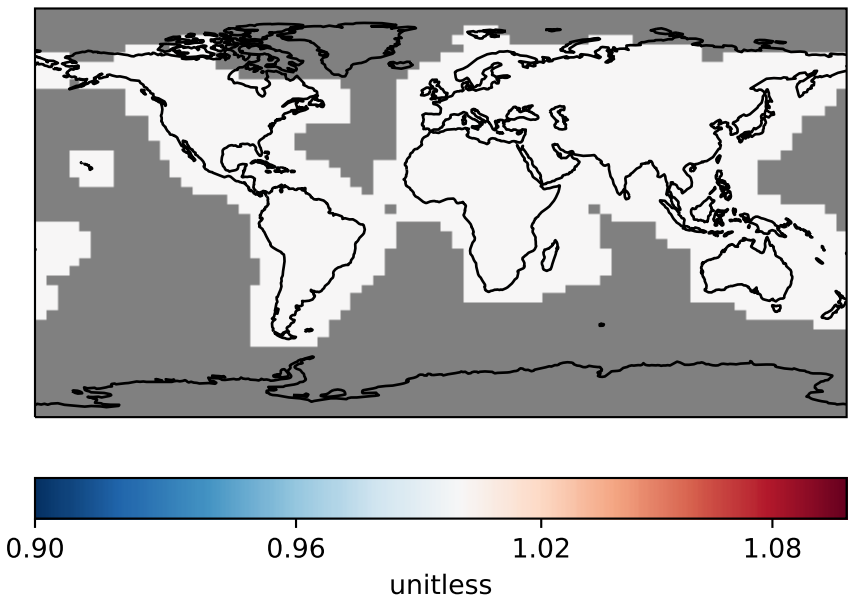
Difference
Dev - Ref, Dynamic Range



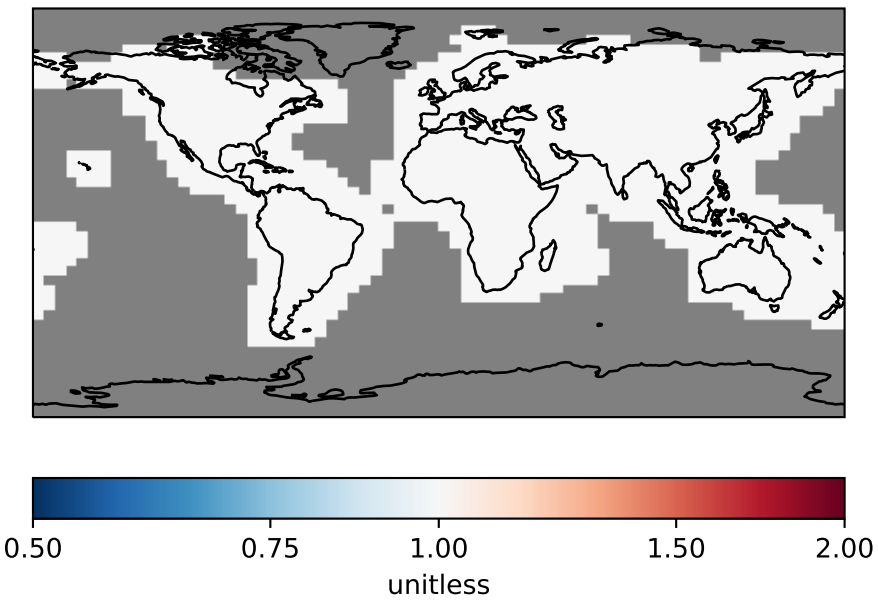
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

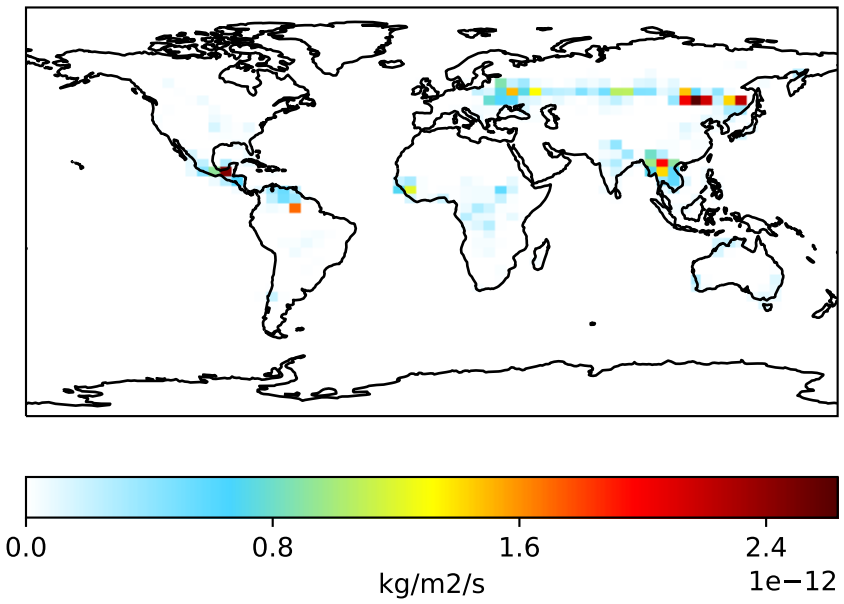


Ratio
Dev/Ref, Fixed Range

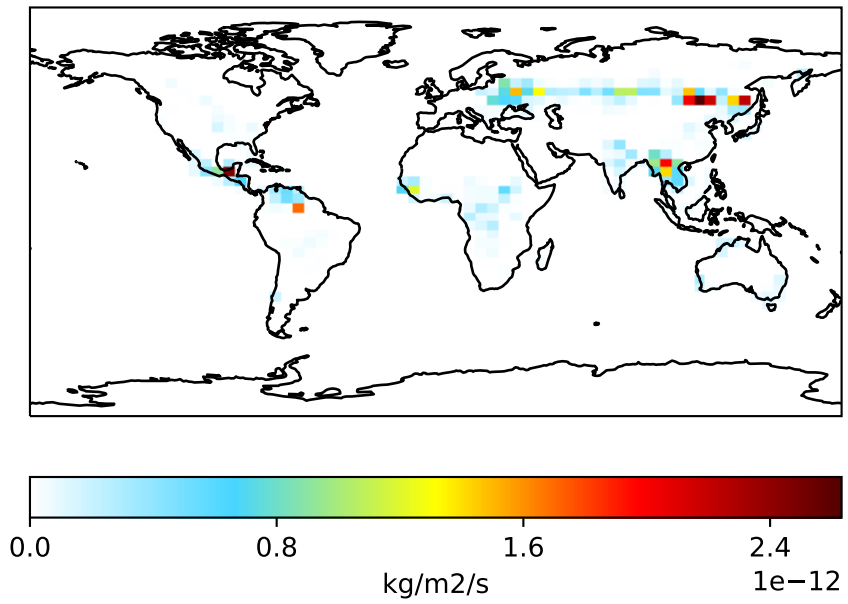


EmisC3H8_BioBurn (Apr2019)

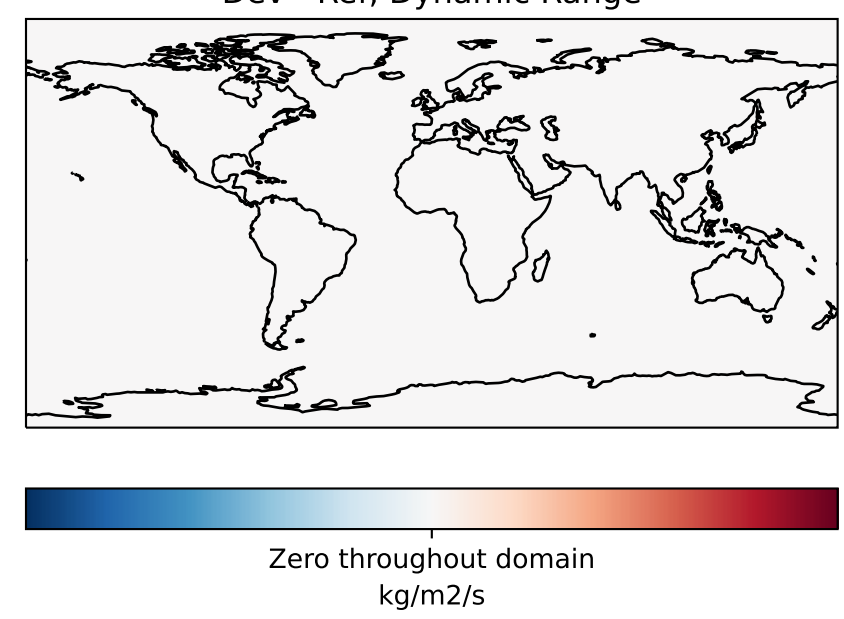
GCC_14.0.0_1yr (Ref)
4.0x5.0



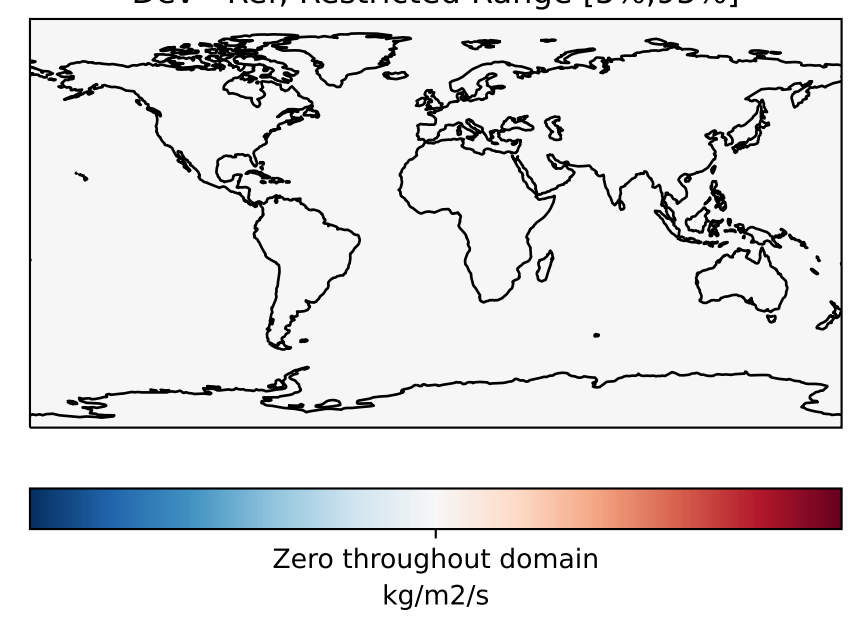
GCC_14.0.0_10yr (Dev)
4.0x5.0



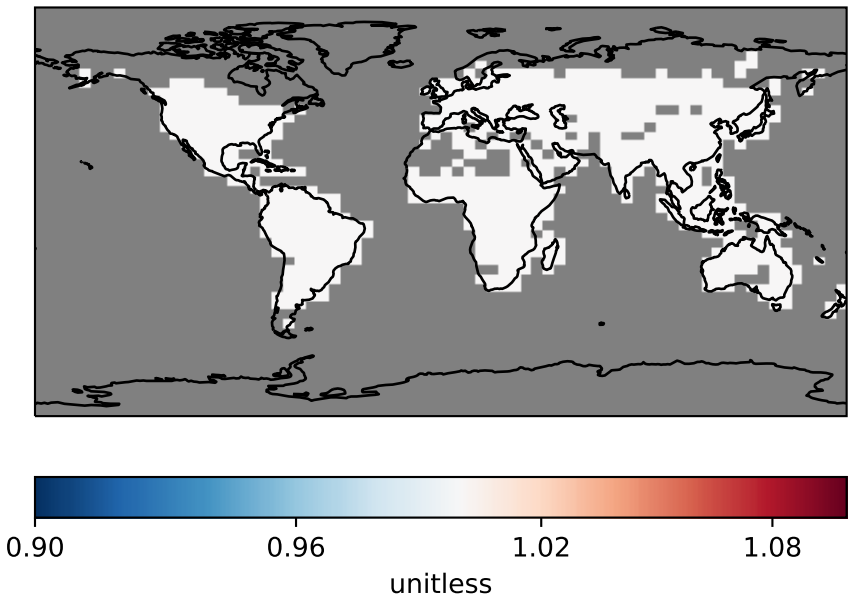
Difference
Dev - Ref, Dynamic Range



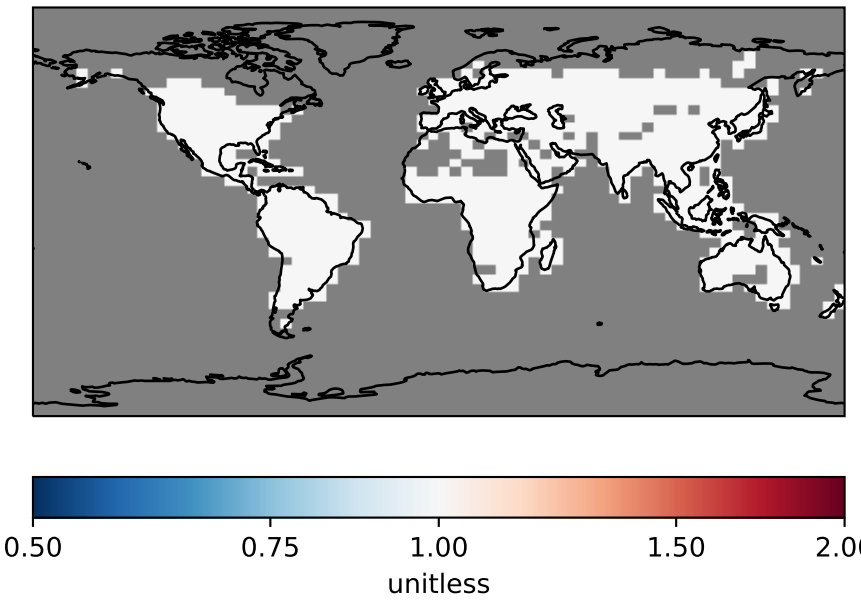
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

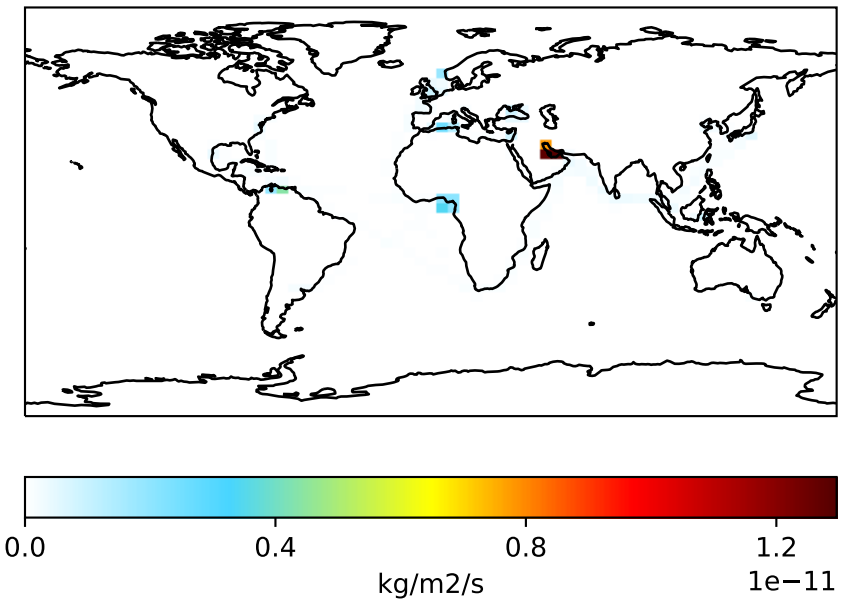


Ratio
Dev/Ref, Fixed Range

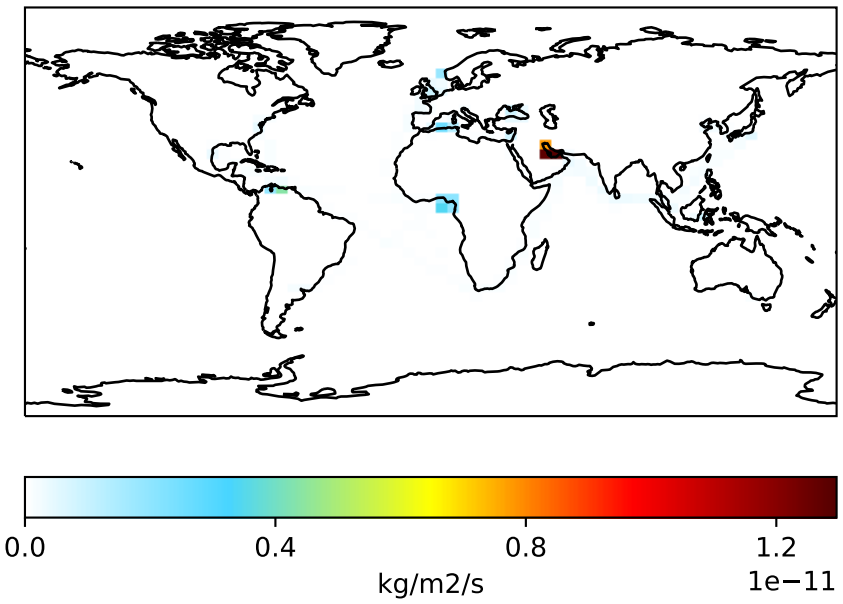


EmisC3H8_Ship (Apr2019)

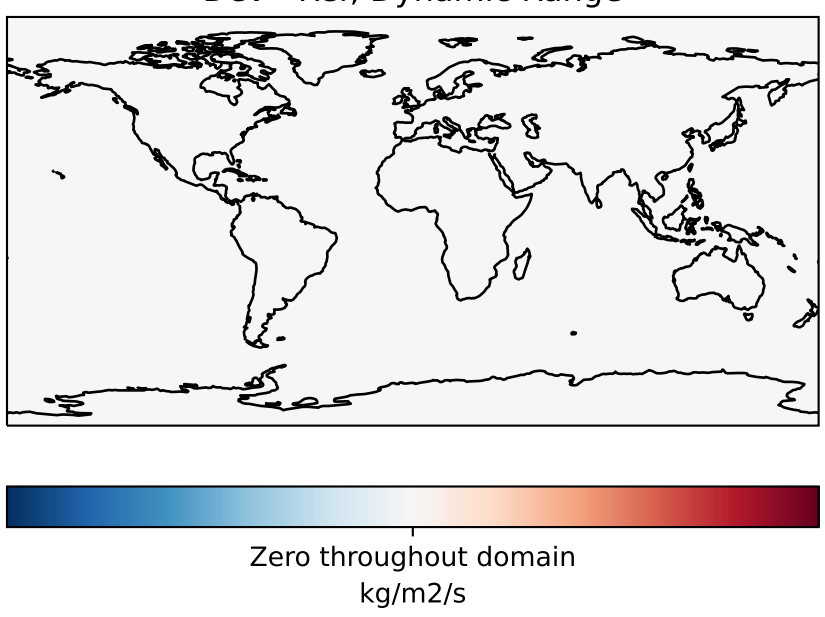
GCC_14.0.0_1yr (Ref)
4.0x5.0



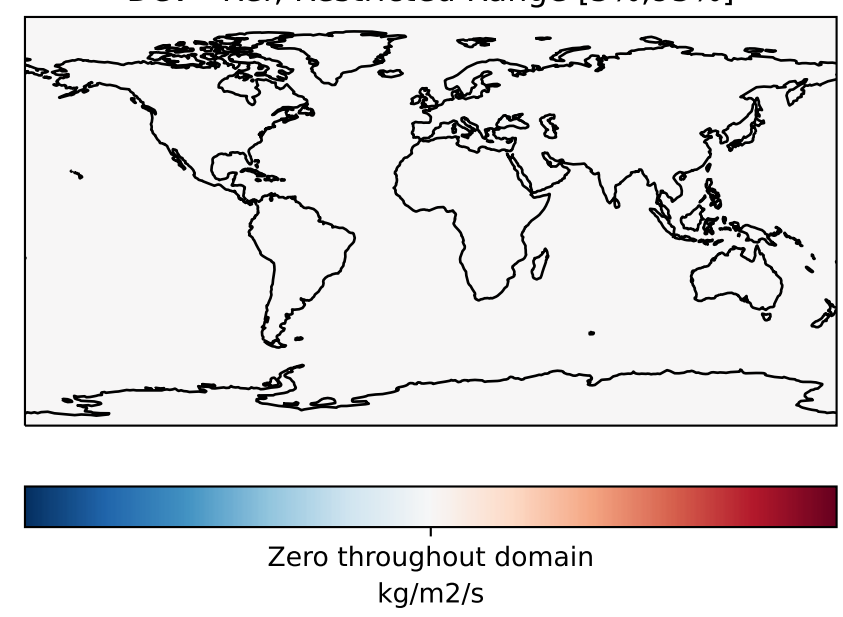
GCC_14.0.0_10yr (Dev)
4.0x5.0



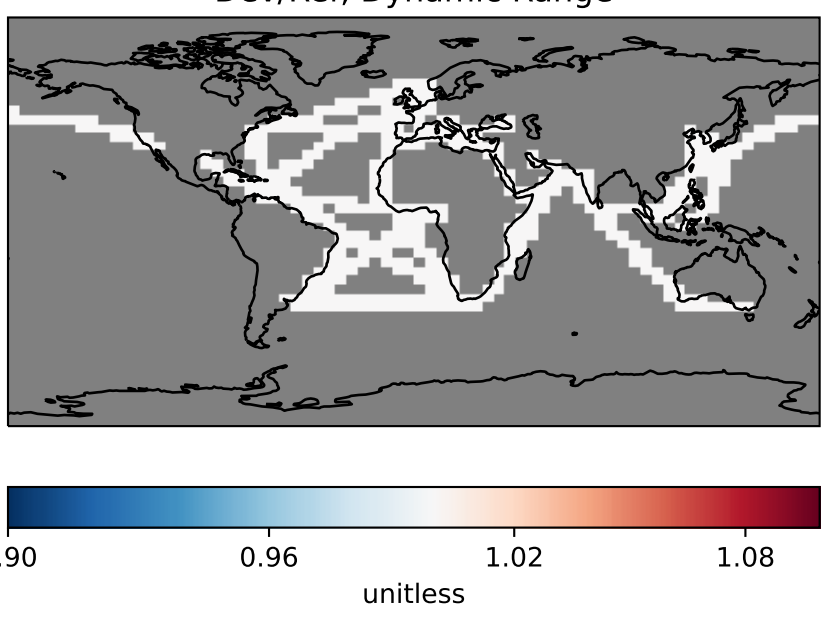
Difference
Dev - Ref, Dynamic Range



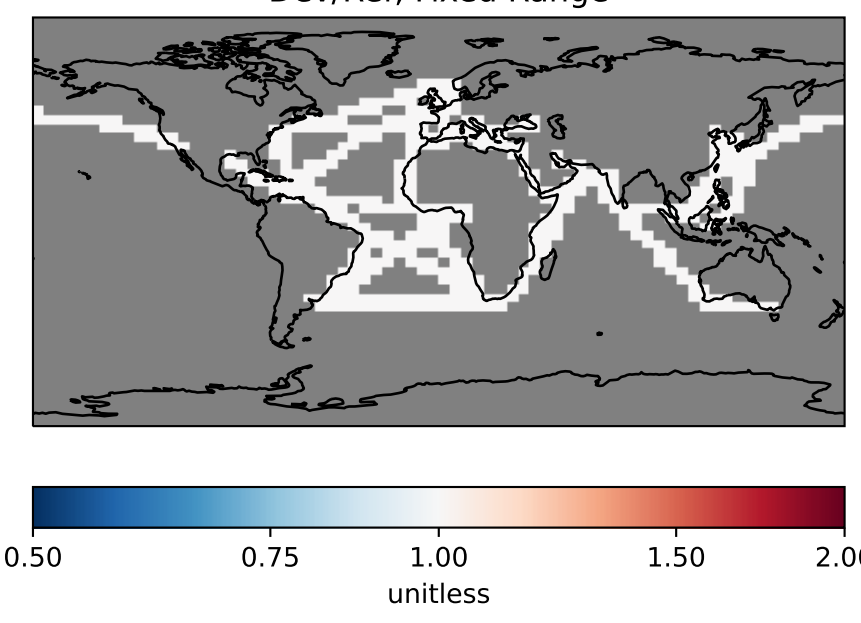
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

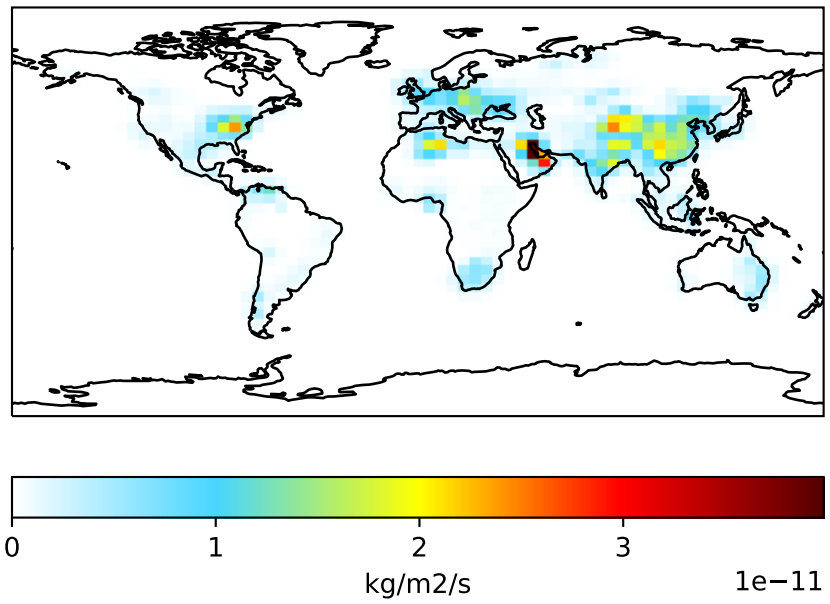


Ratio
Dev/Ref, Fixed Range

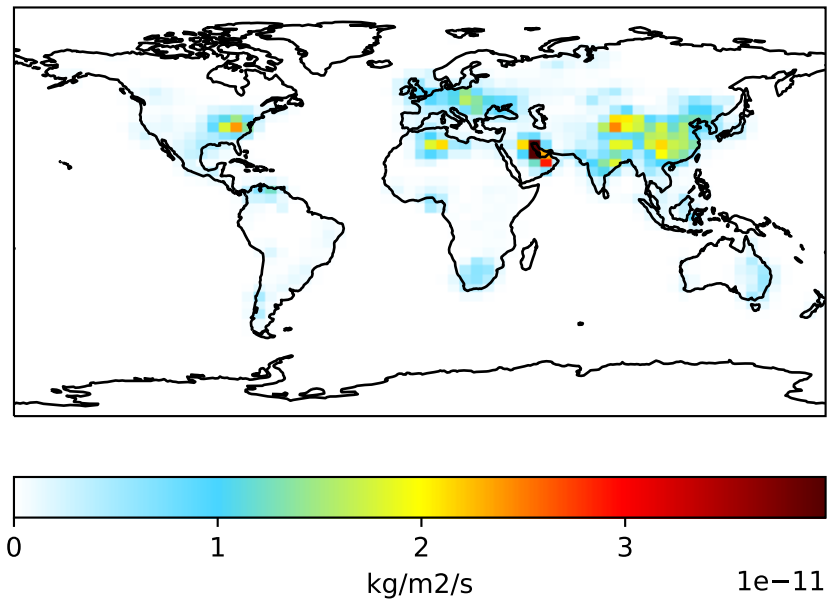


EmisC3H8_Total (Apr2019)

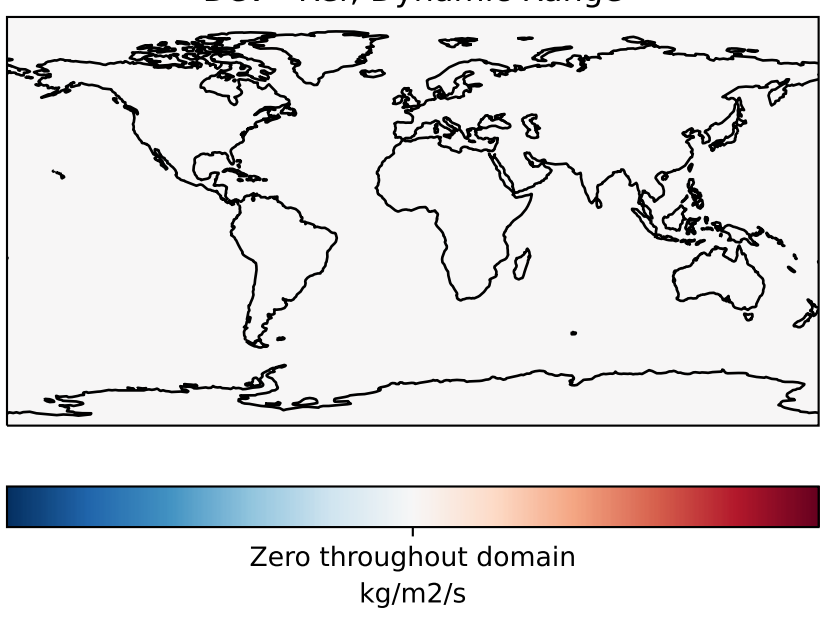
GCC_14.0.0_1yr (Ref)
4.0x5.0



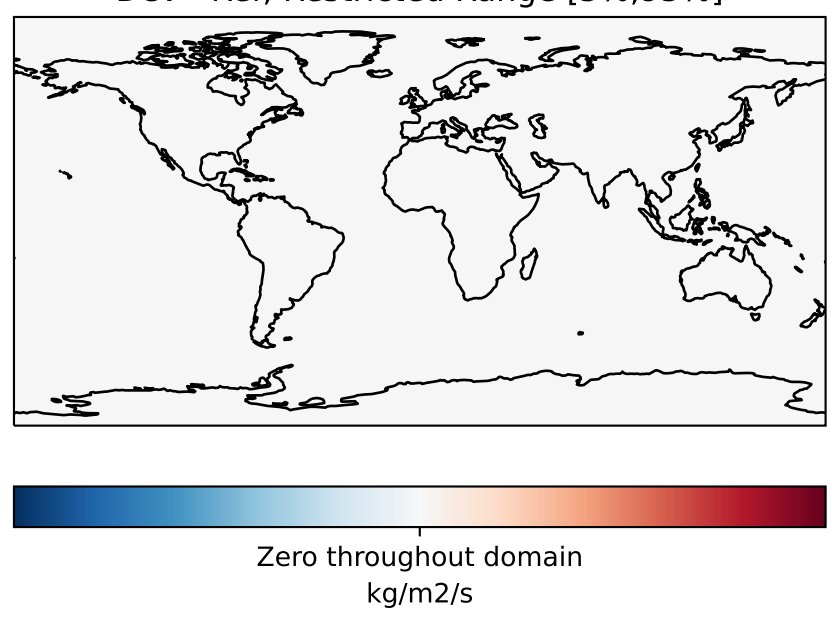
GCC_14.0.0_10yr (Dev)
4.0x5.0



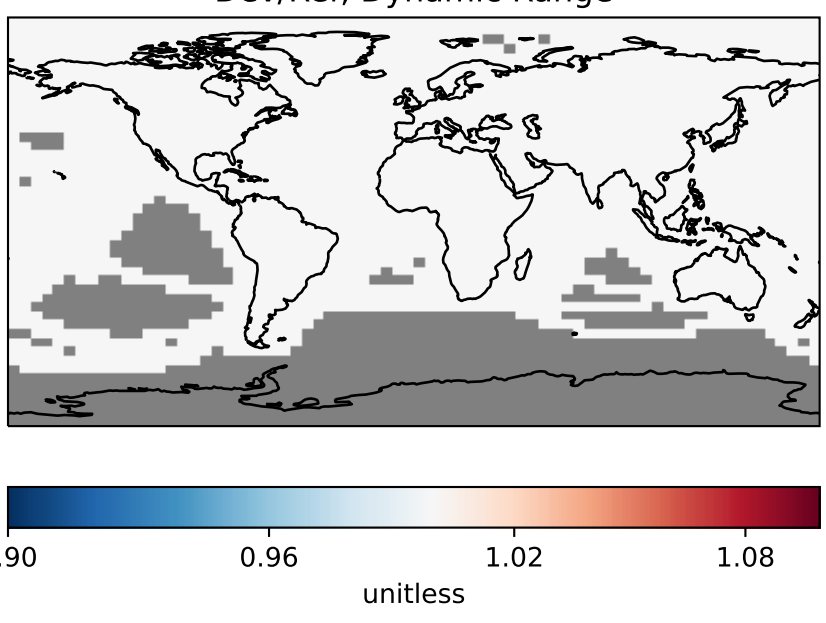
Difference
Dev - Ref, Dynamic Range



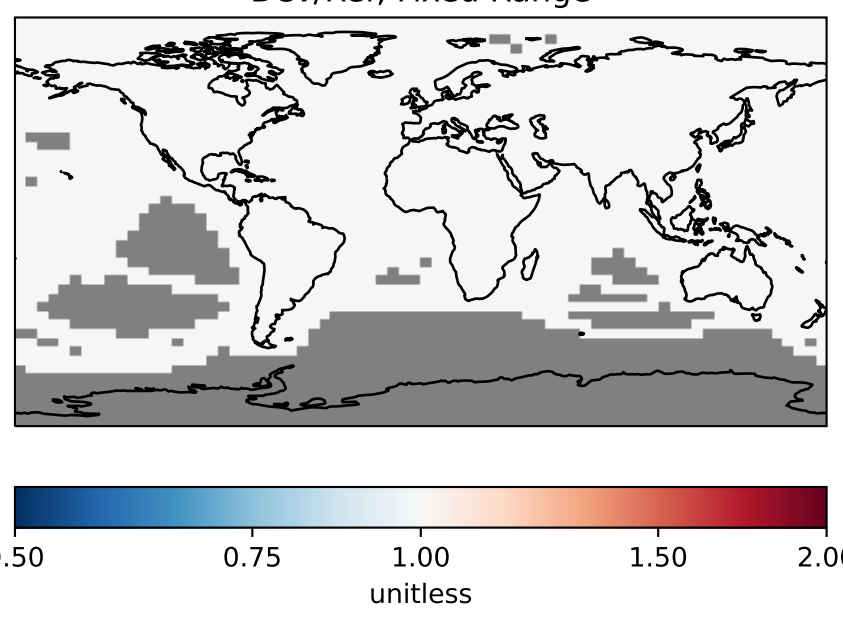
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

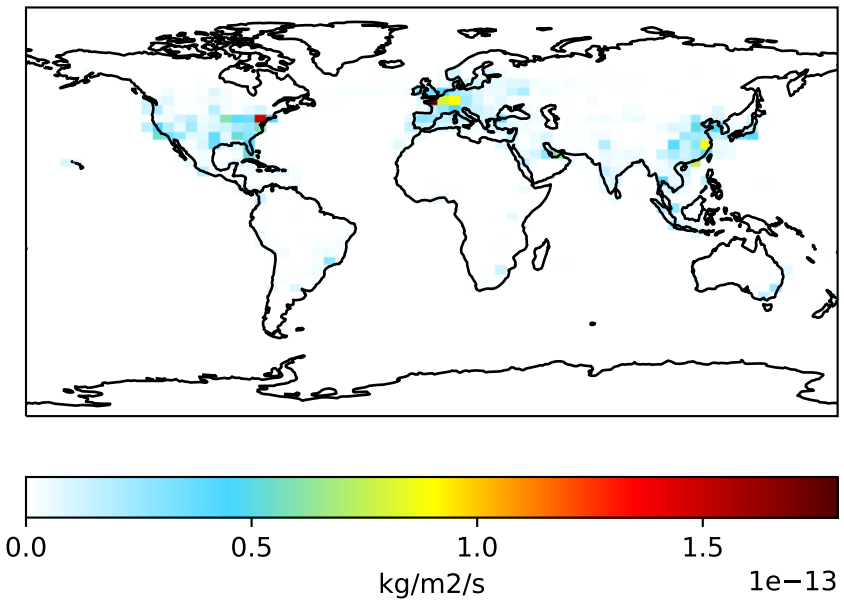


Ratio
Dev/Ref, Fixed Range

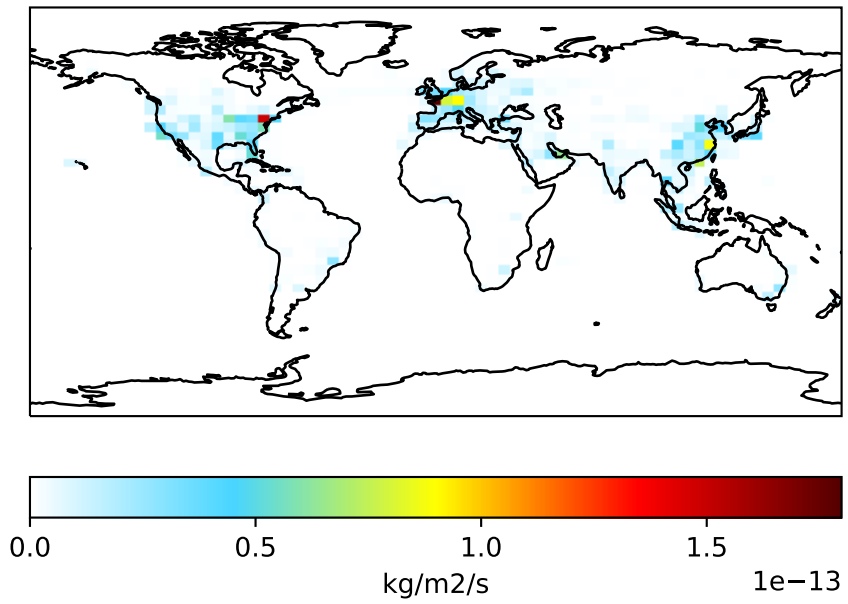


EmisPRPE_Aircraft (Apr2019)

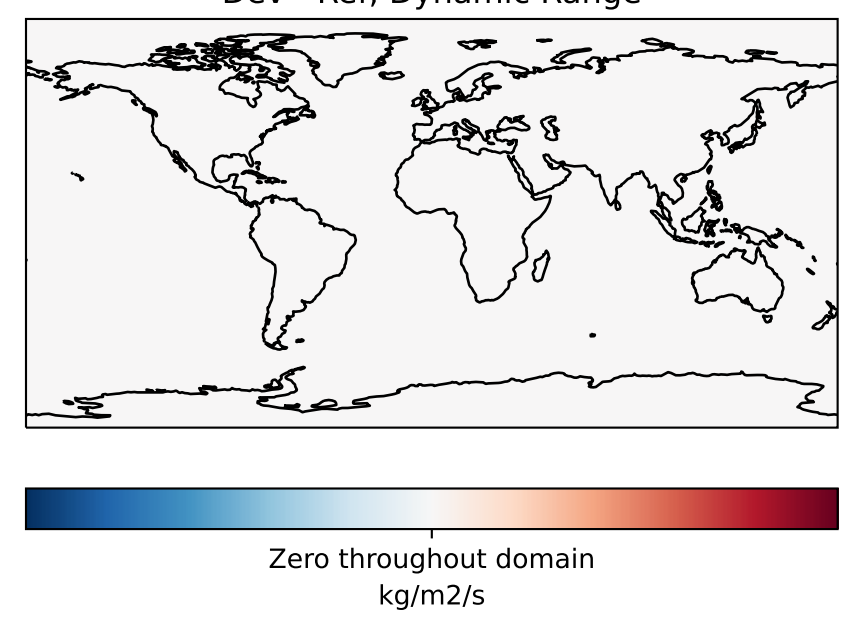
GCC_14.0.0_1yr (Ref)
4.0x5.0



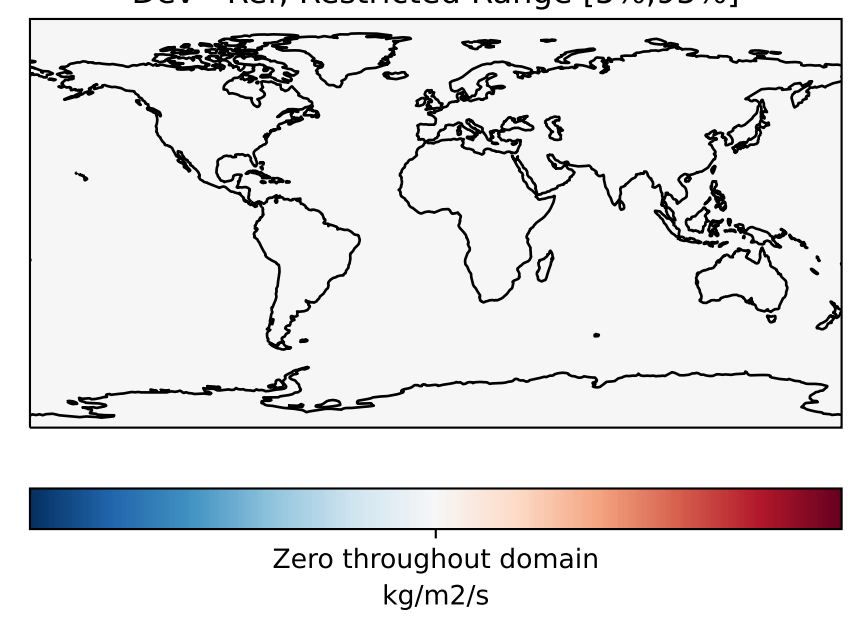
GCC_14.0.0_10yr (Dev)
4.0x5.0



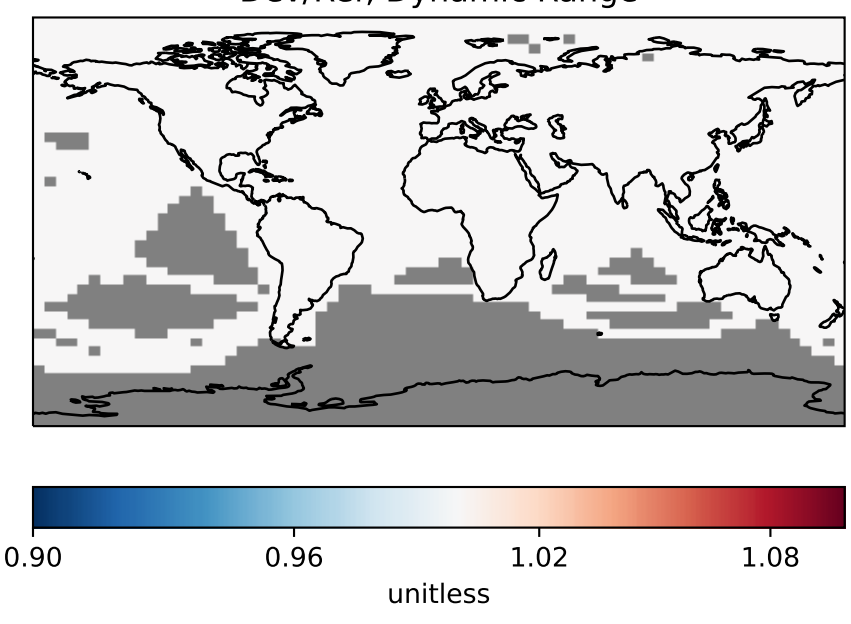
Difference
Dev - Ref, Dynamic Range



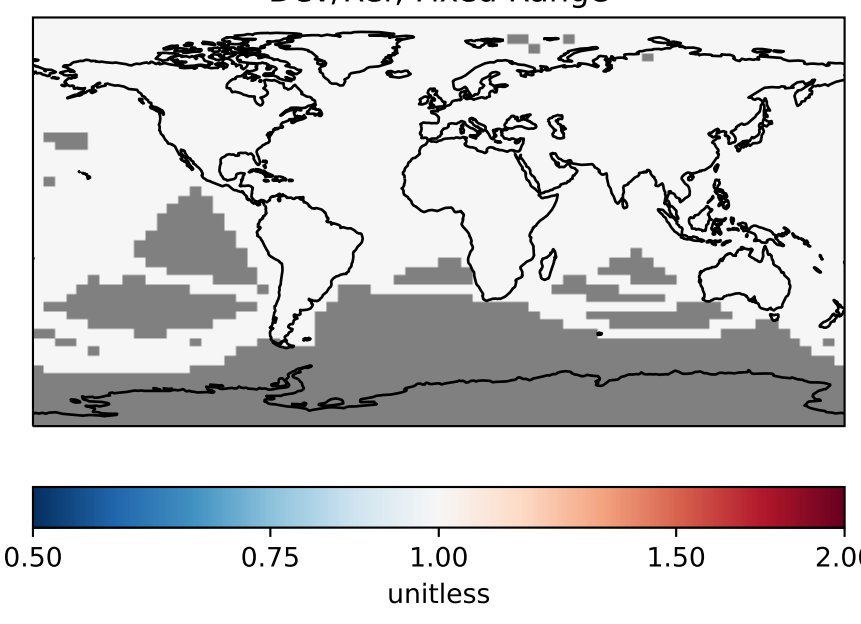
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

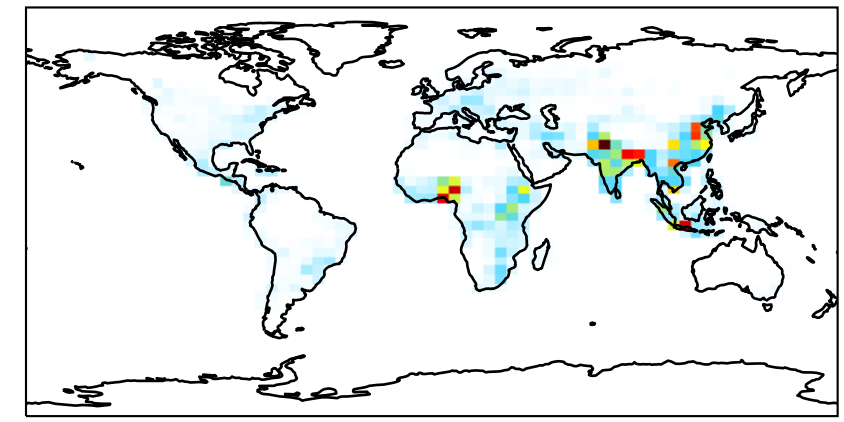


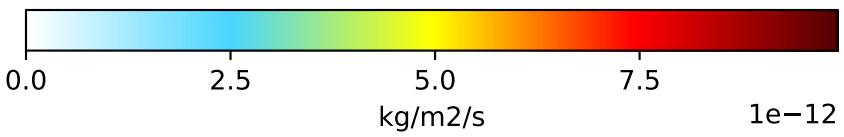
Ratio
Dev/Ref, Fixed Range



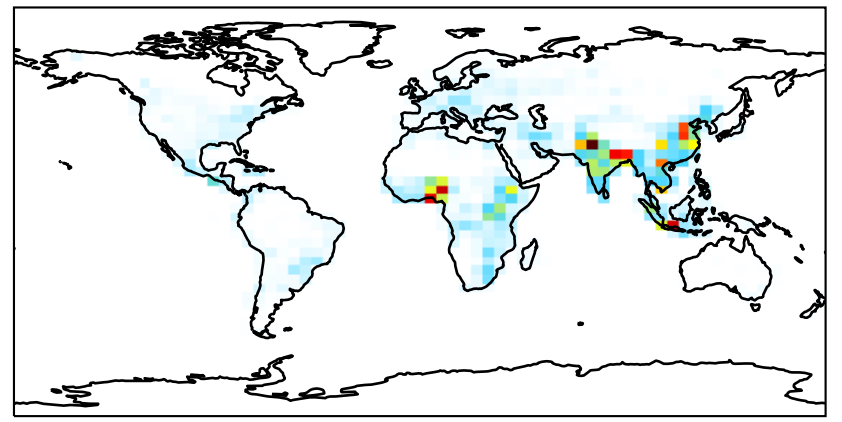
EmisPRPE_Anthro (Apr2019)

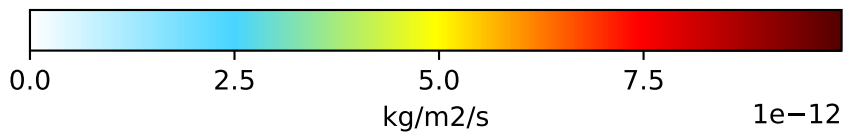
GCC_14.0.0_1yr (Ref)
4.0x5.0



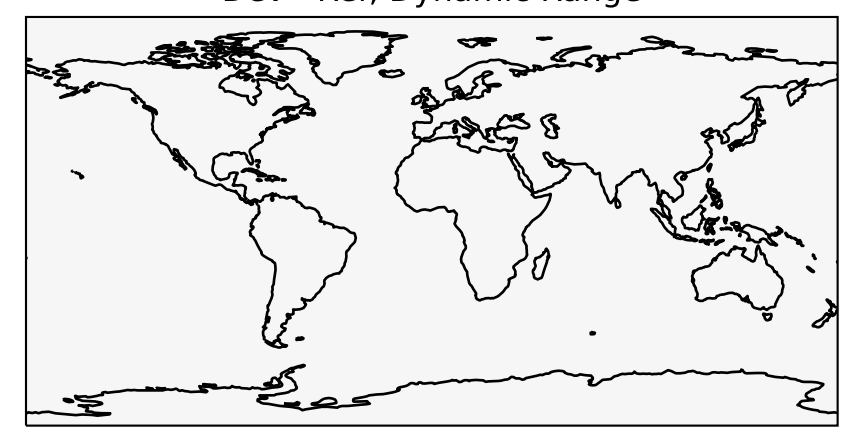


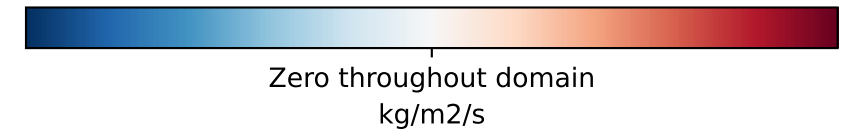
GCC_14.0.0_10yr (Dev)
4.0x5.0



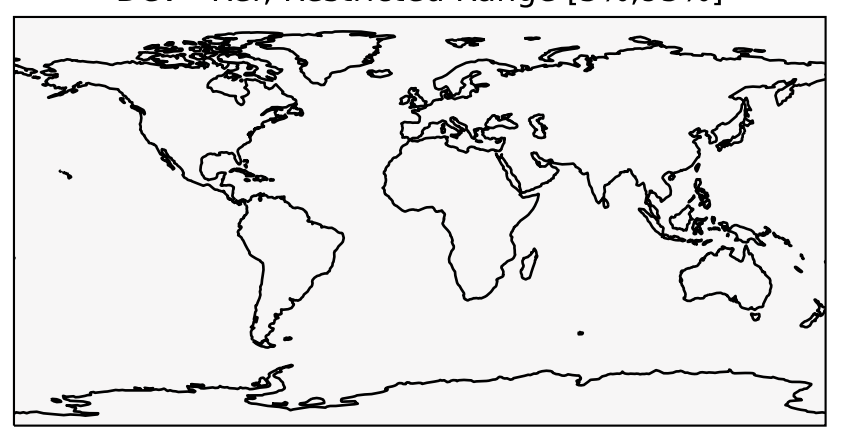


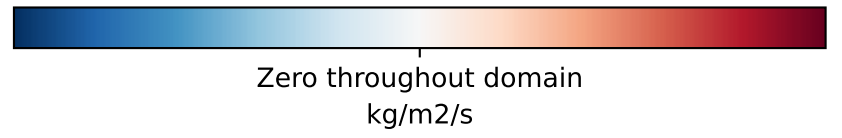
Difference
Dev - Ref, Dynamic Range



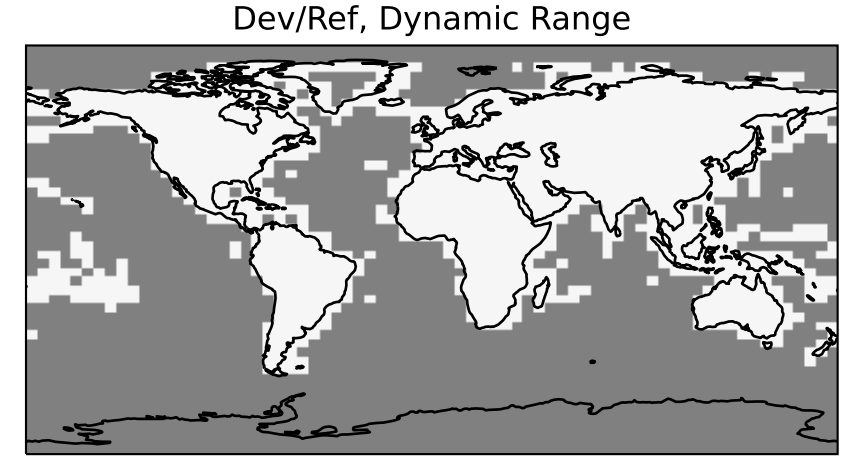


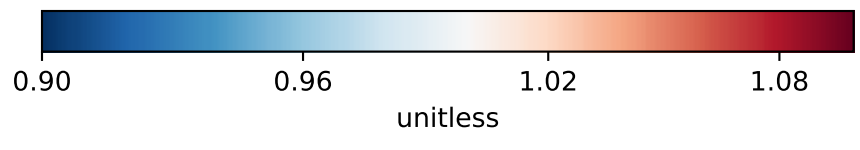
Difference
Dev - Ref, Restricted Range [5%,95%]



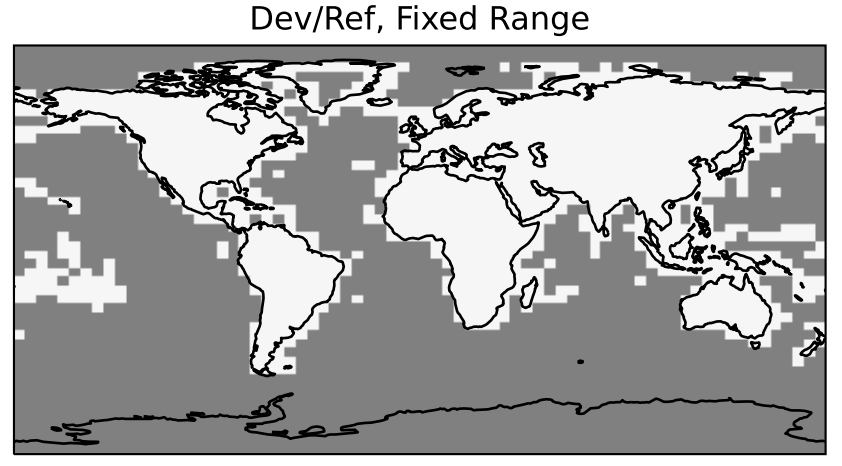


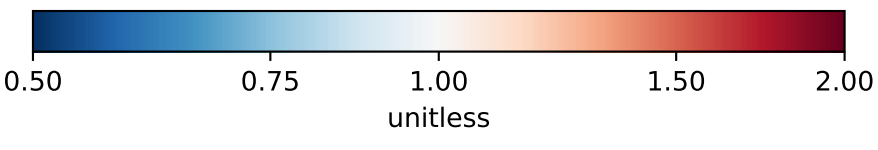
Ratio
Dev/Ref, Dynamic Range





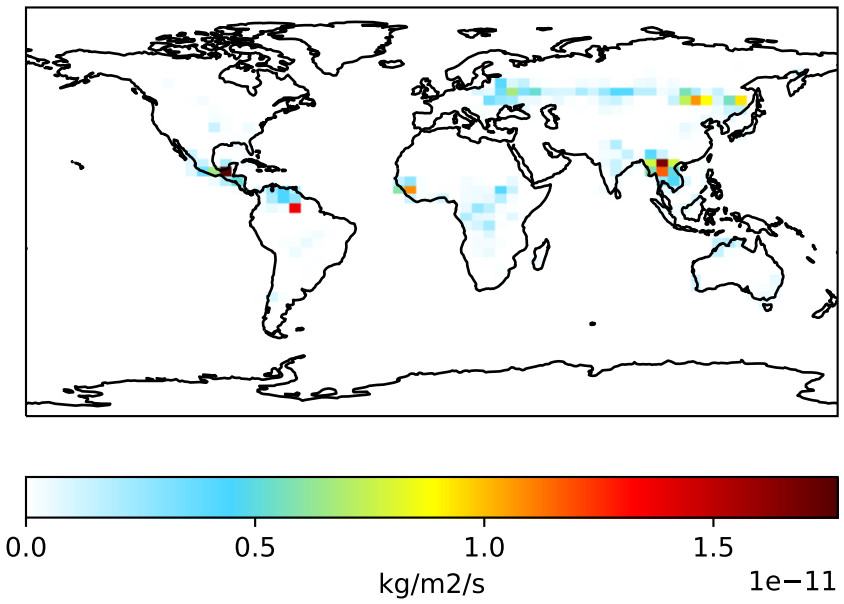
Ratio
Dev/Ref, Fixed Range



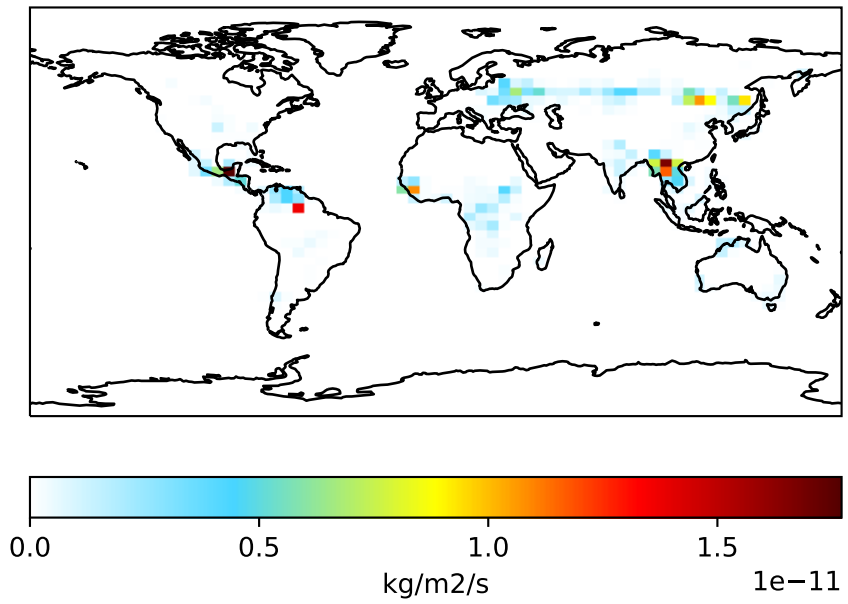


EmisPRPE_BioBurn (Apr2019)

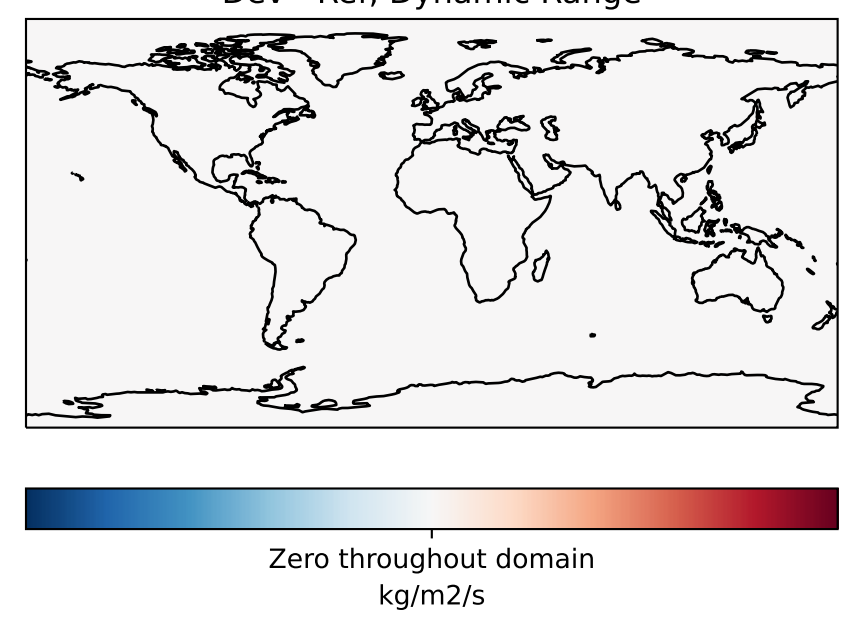
GCC_14.0.0_1yr (Ref)
4.0x5.0



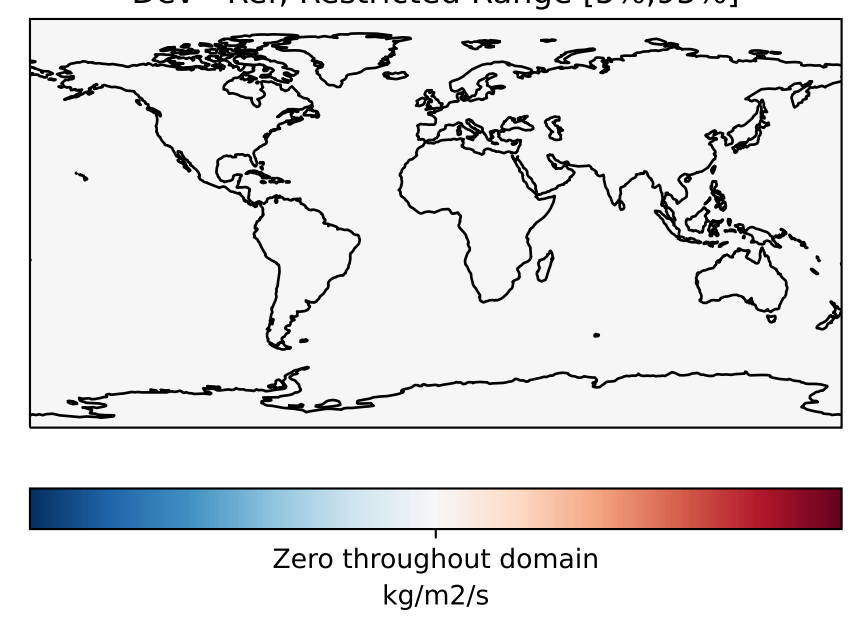
GCC_14.0.0_10yr (Dev)
4.0x5.0



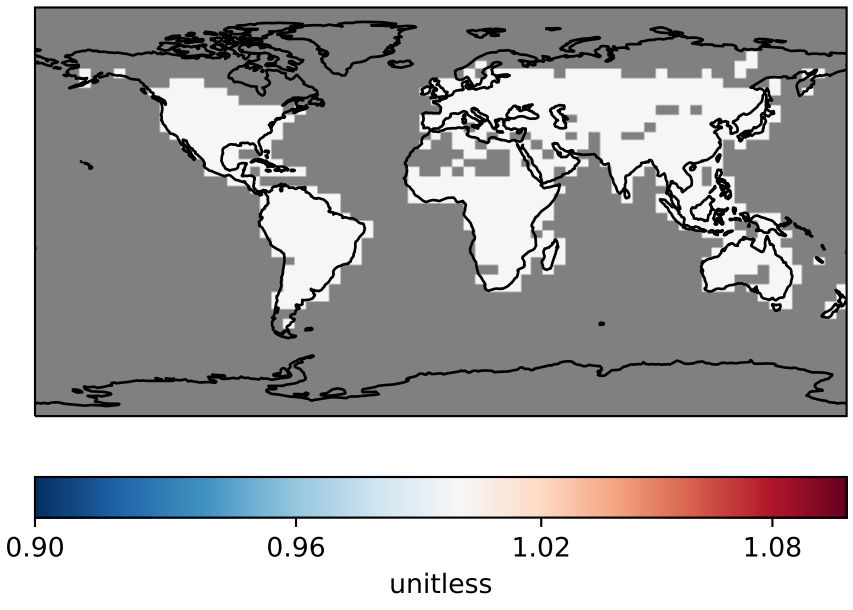
Difference
Dev - Ref, Dynamic Range



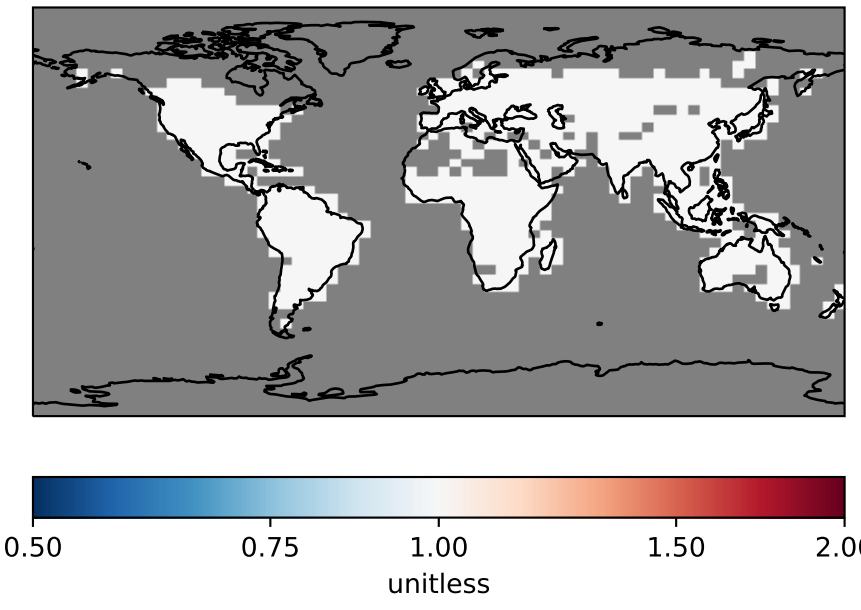
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

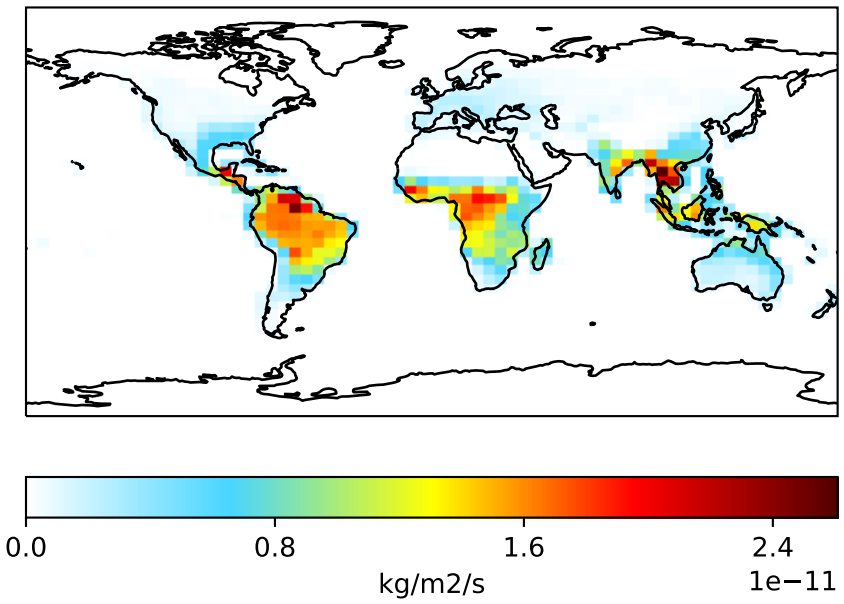


Ratio
Dev/Ref, Fixed Range

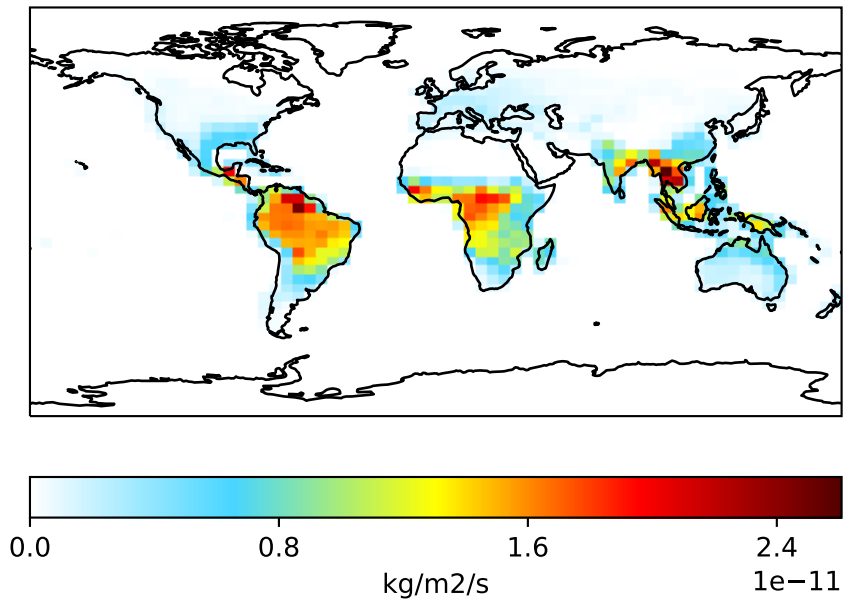


EmisPRPE_Biogenic (Apr2019)

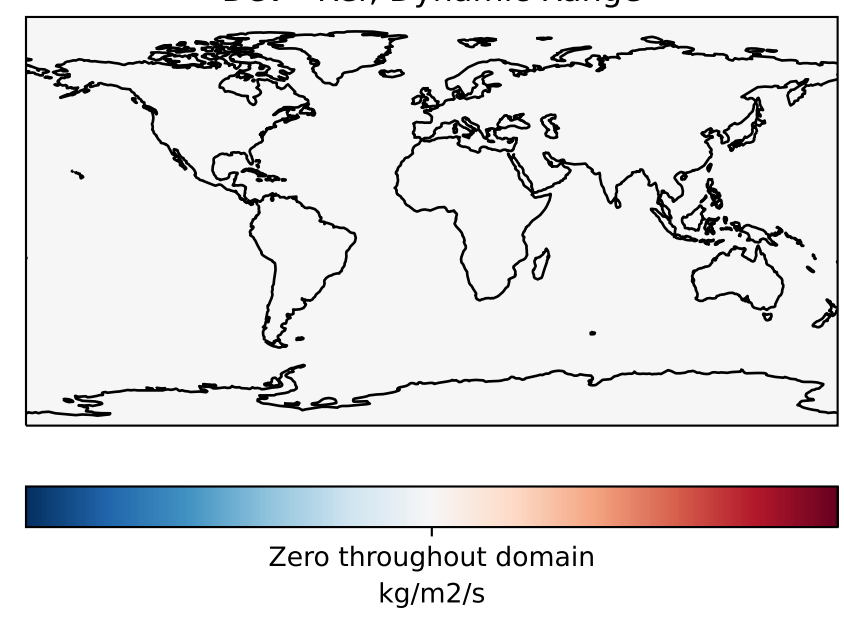
GCC_14.0.0_1yr (Ref)
4.0x5.0



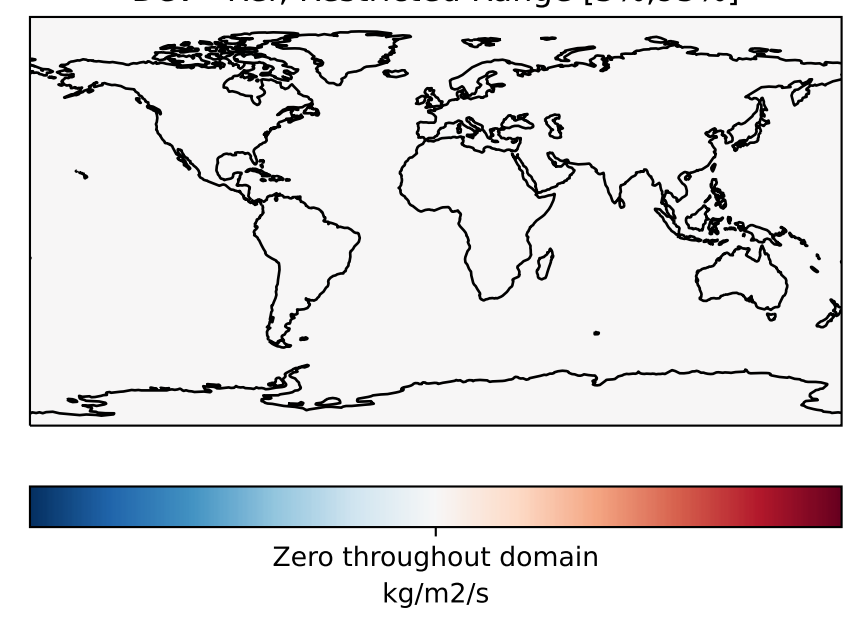
GCC_14.0.0_10yr (Dev)
4.0x5.0



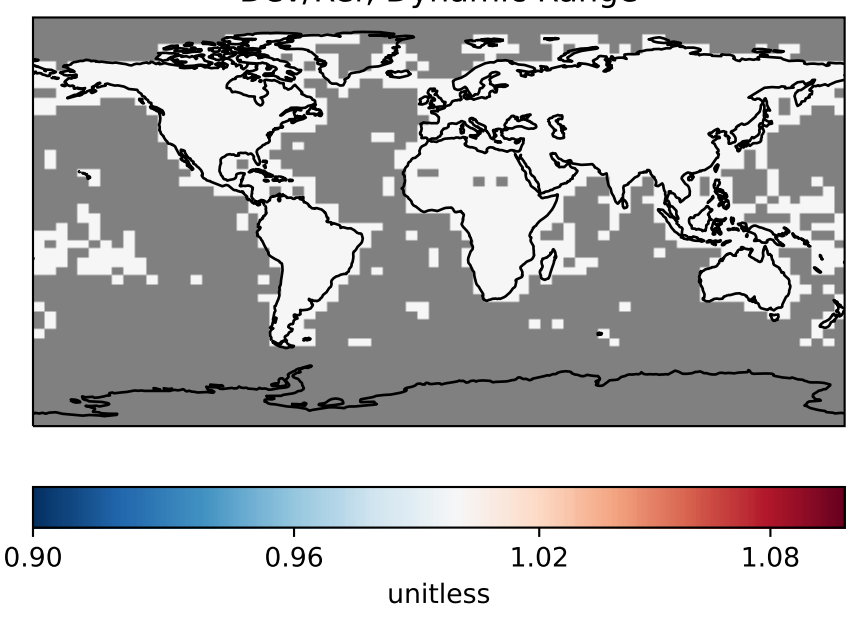
Difference
Dev - Ref, Dynamic Range



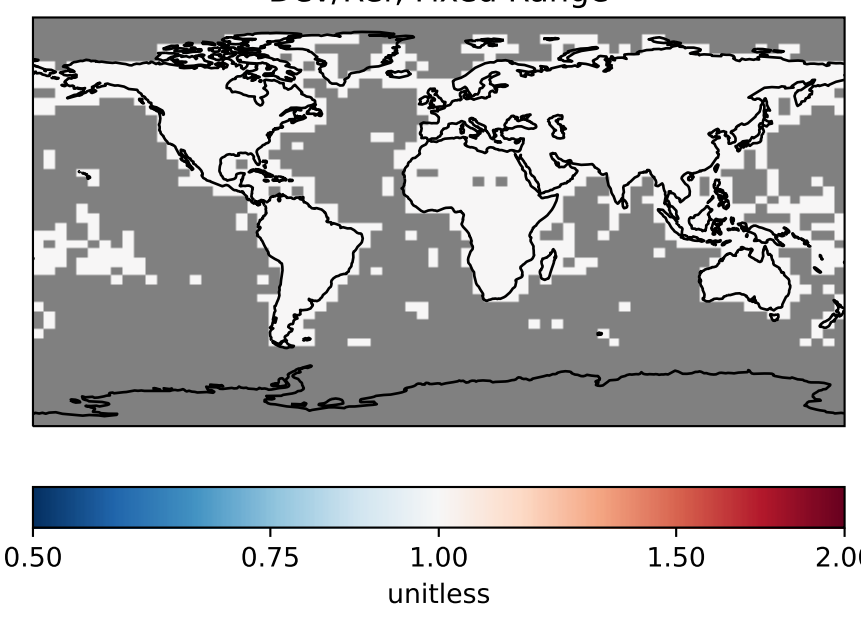
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

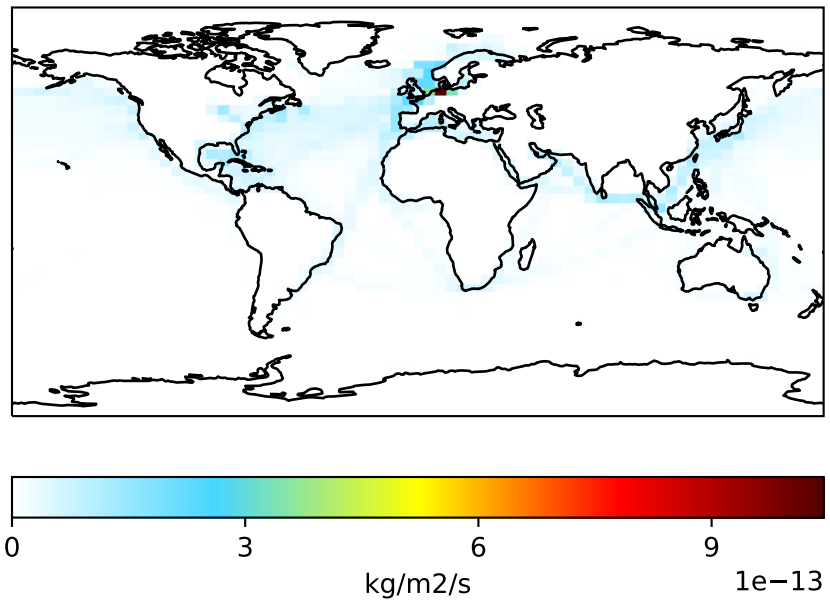


Ratio
Dev/Ref, Fixed Range

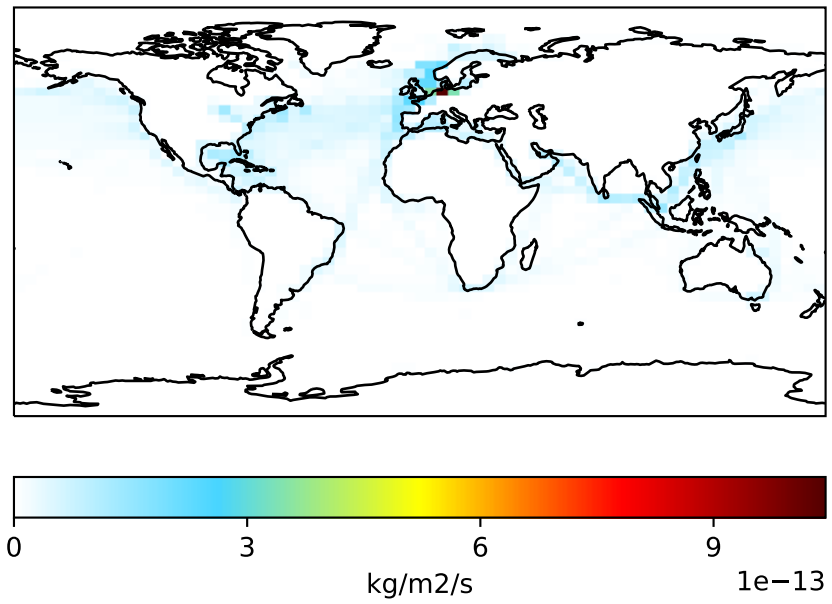


EmisPRPE_Ship (Apr2019)

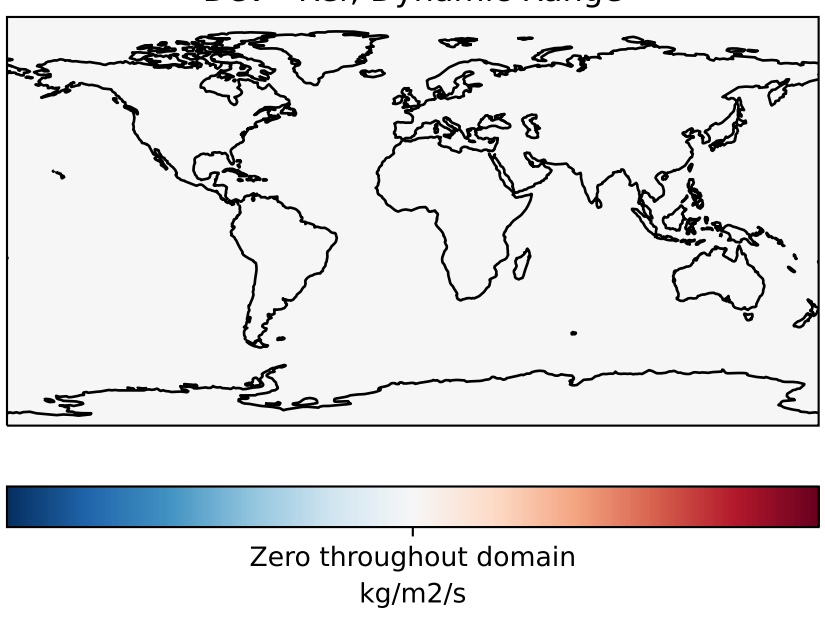
GCC_14.0.0_1yr (Ref)
4.0x5.0



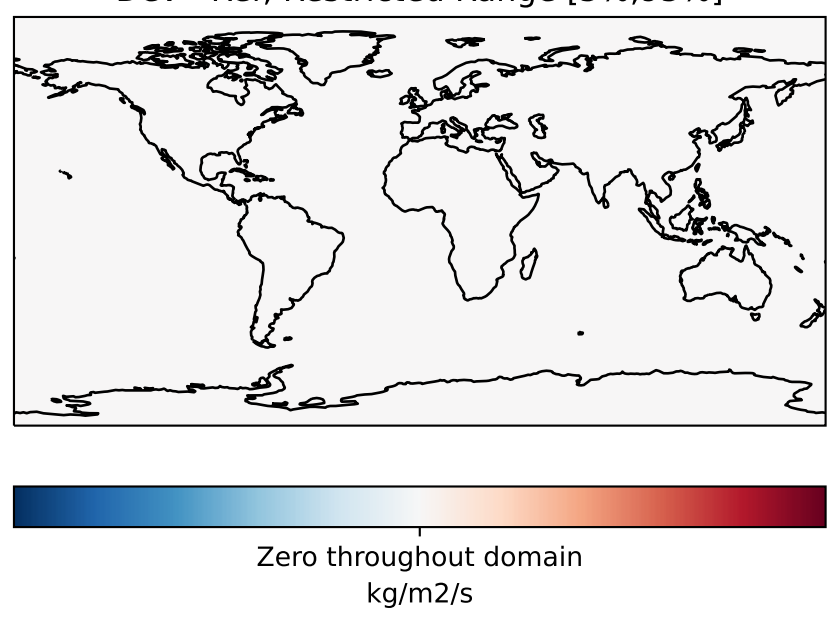
GCC_14.0.0_10yr (Dev)
4.0x5.0



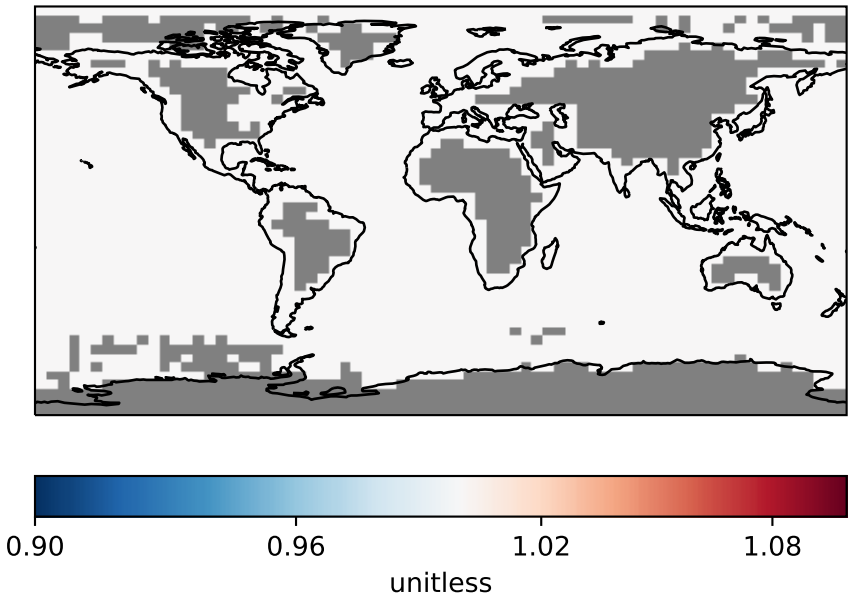
Difference
Dev - Ref, Dynamic Range



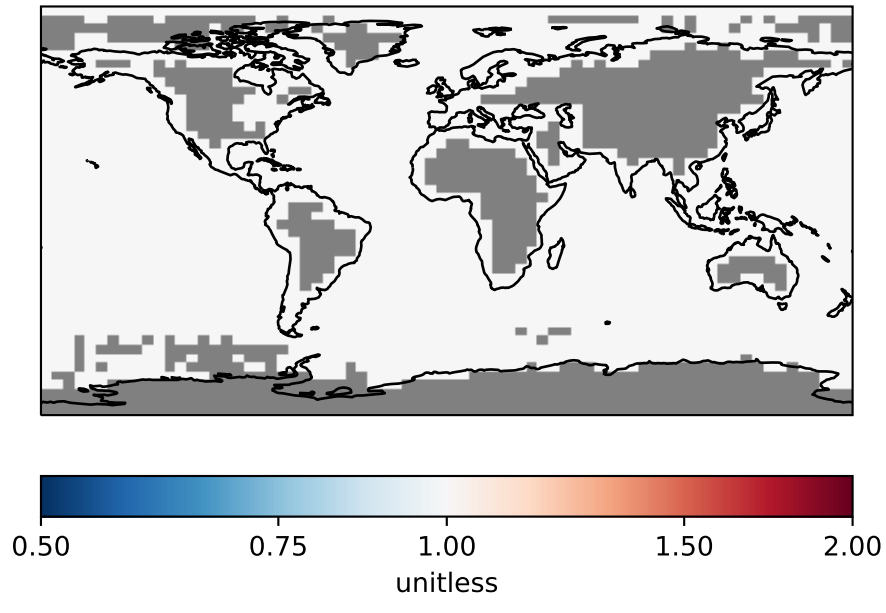
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

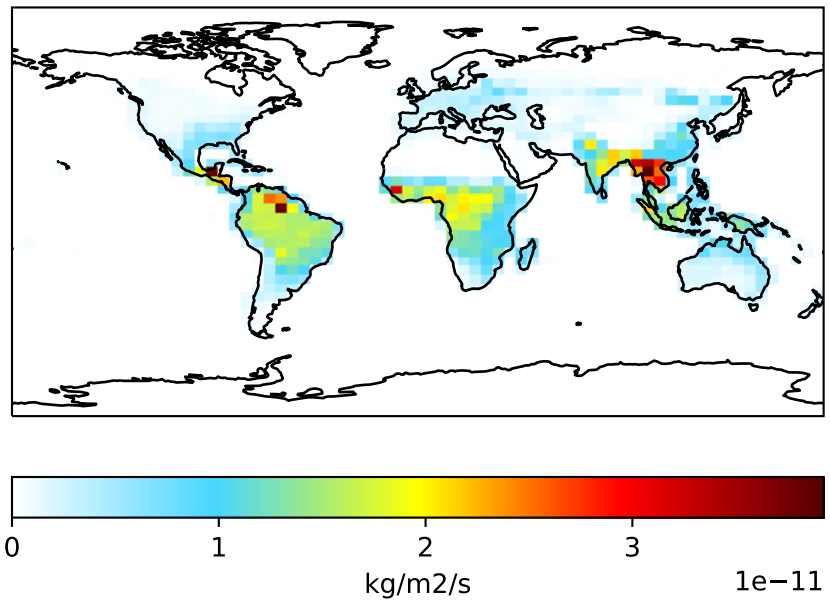


Ratio
Dev/Ref, Fixed Range

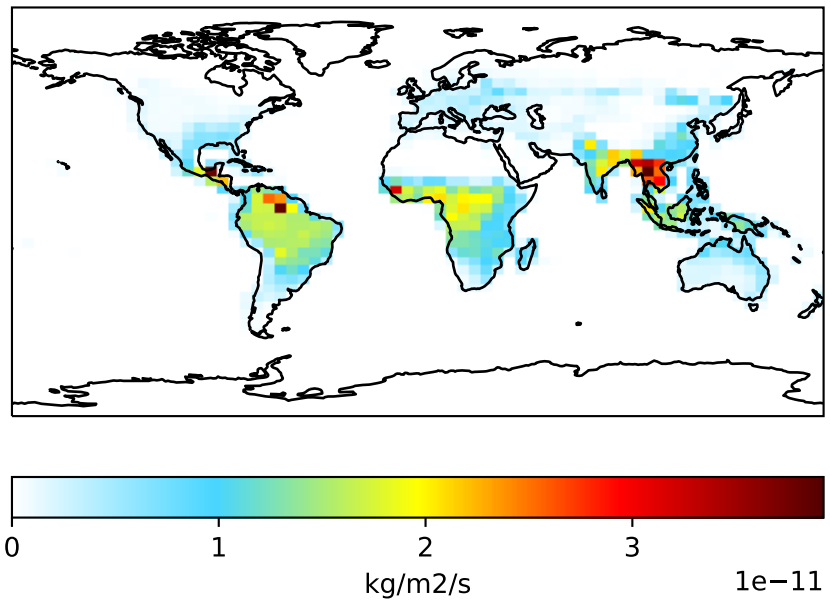


EmisPRPE_Total (Apr2019)

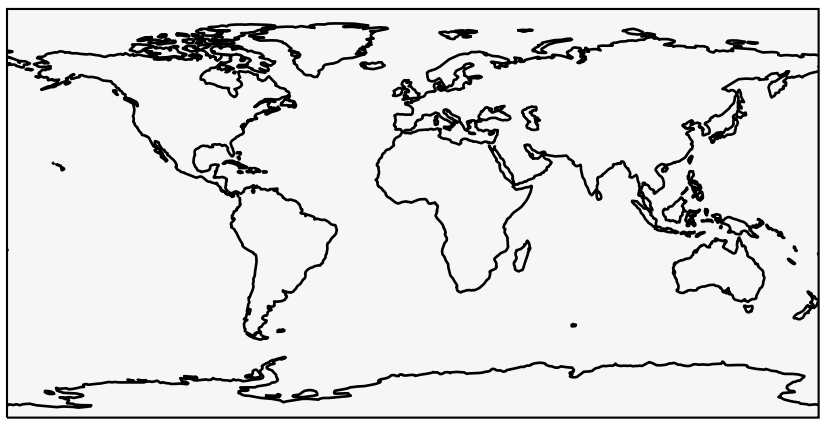
GCC_14.0.0_1yr (Ref)
4.0x5.0

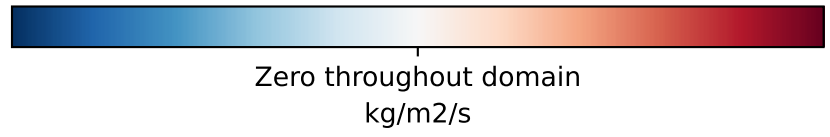


GCC_14.0.0_10yr (Dev)
4.0x5.0

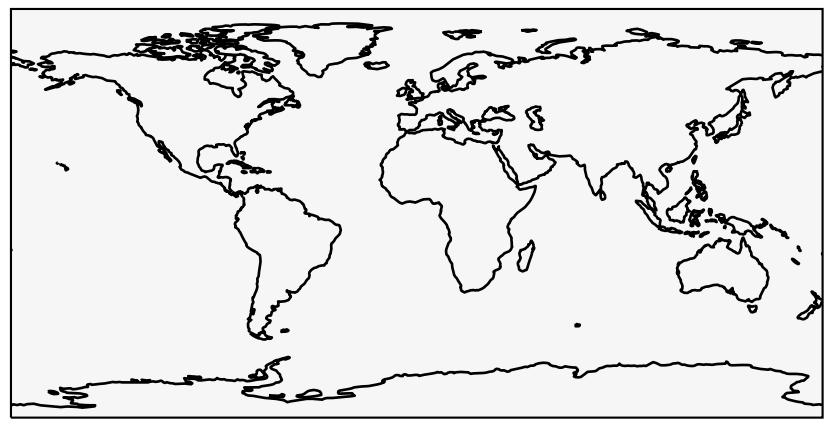


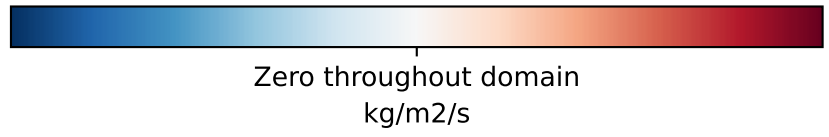
Difference
Dev - Ref, Dynamic Range



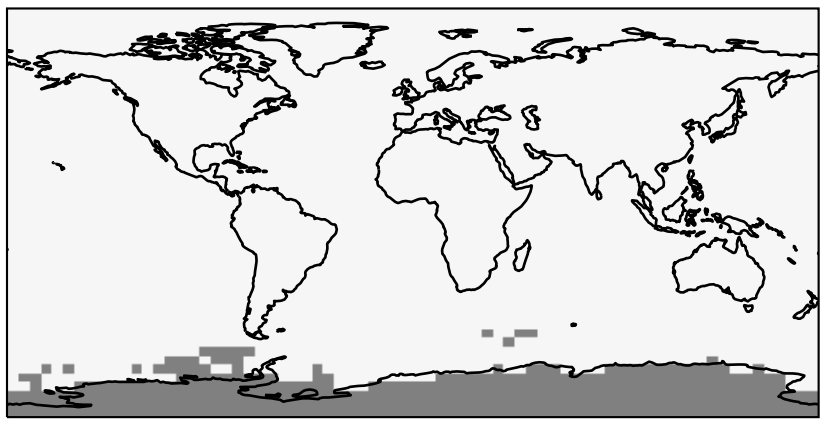


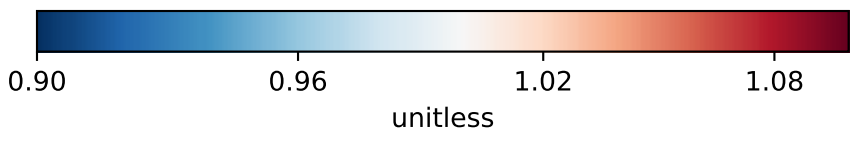
Difference
Dev - Ref, Restricted Range [5%,95%]



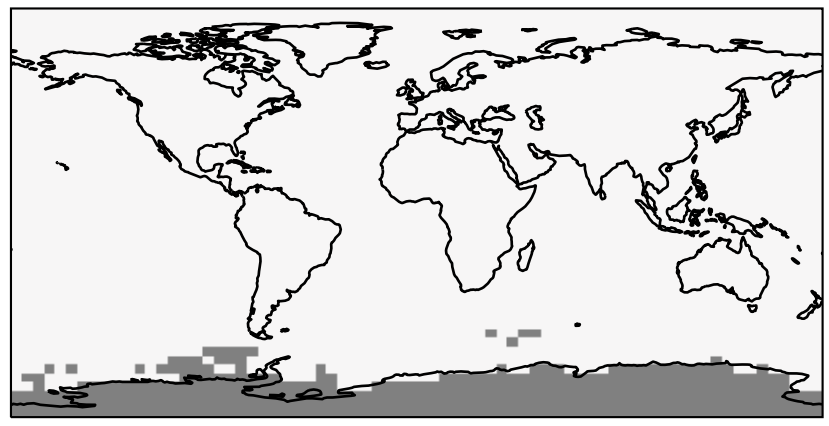


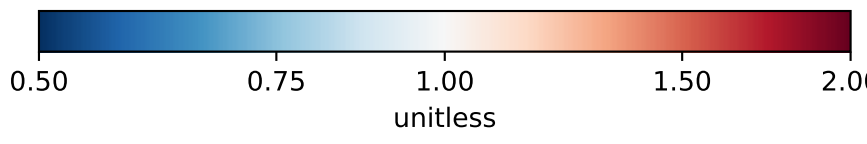
Ratio
Dev/Ref, Dynamic Range





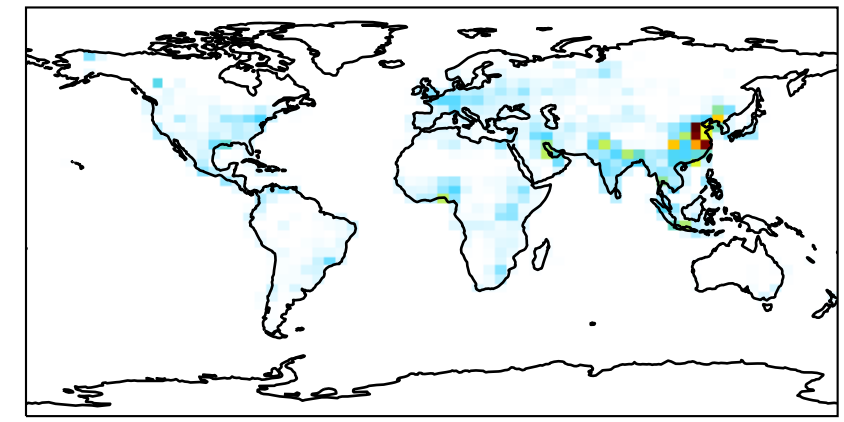
Ratio
Dev/Ref, Fixed Range

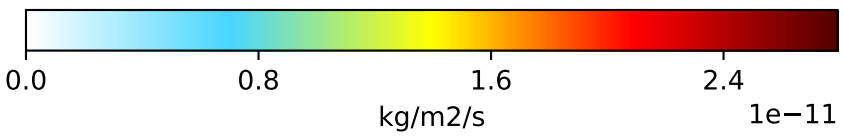




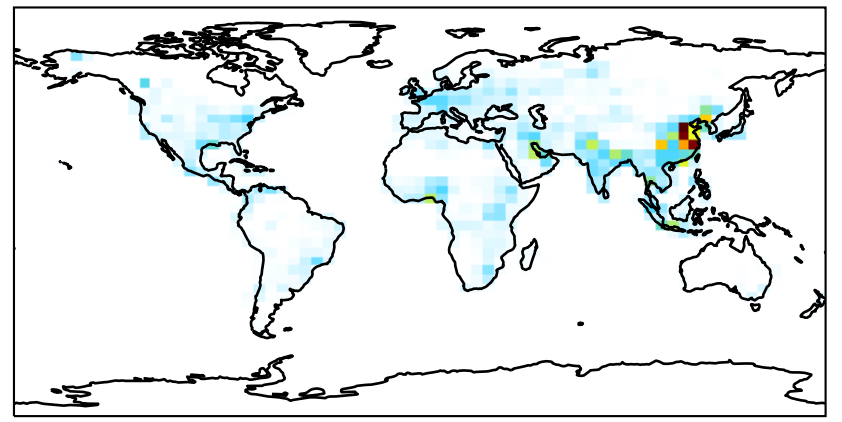
EmisTOLU_Anthro (Apr2019)

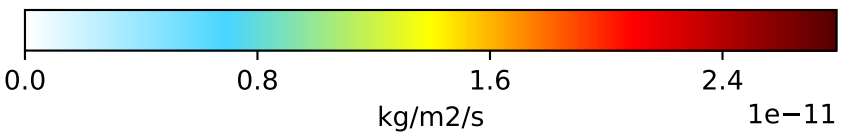
GCC_14.0.0_1yr (Ref)
4.0x5.0



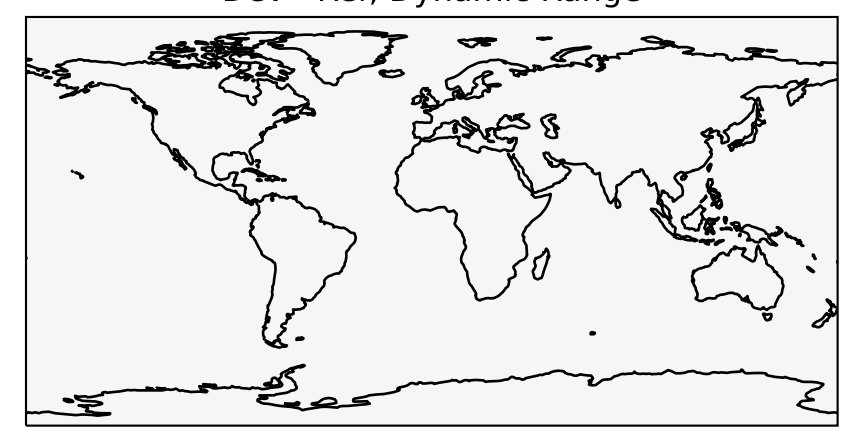


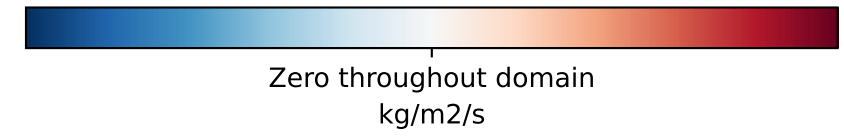
GCC_14.0.0_10yr (Dev)
4.0x5.0



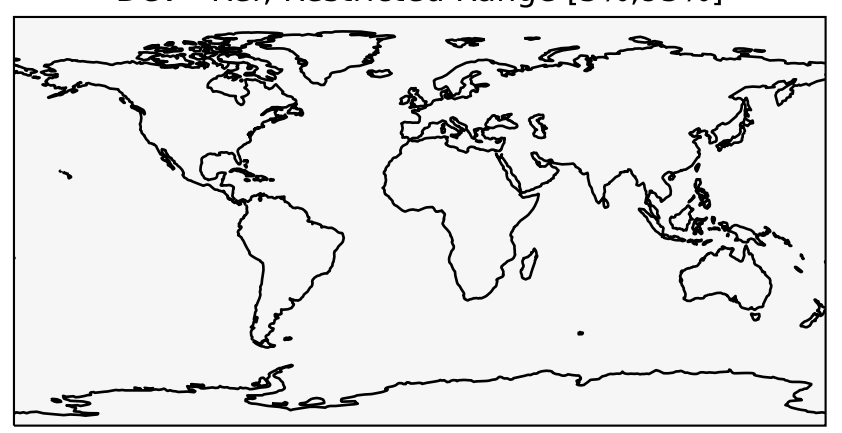


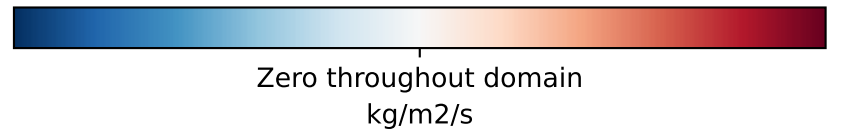
Difference
Dev - Ref, Dynamic Range



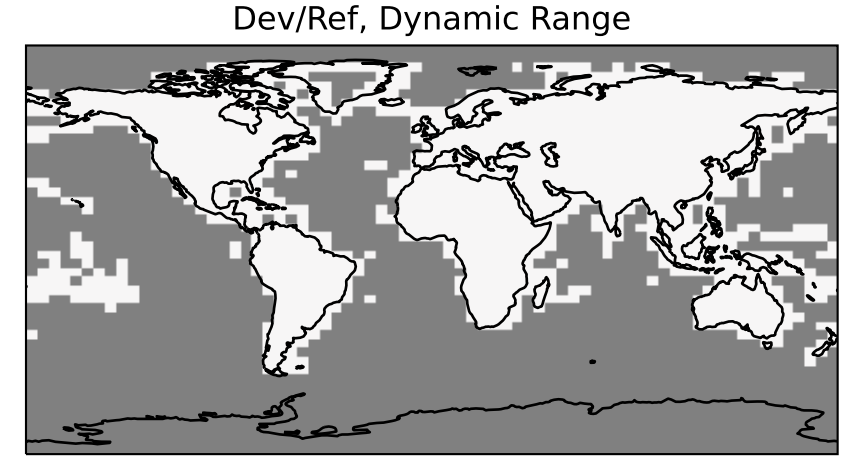


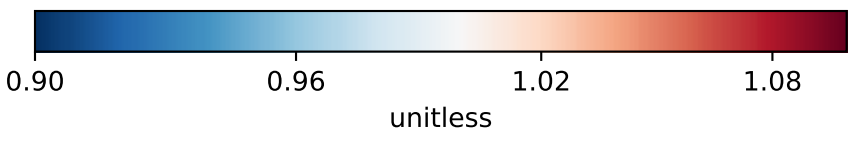
Difference
Dev - Ref, Restricted Range [5%,95%]



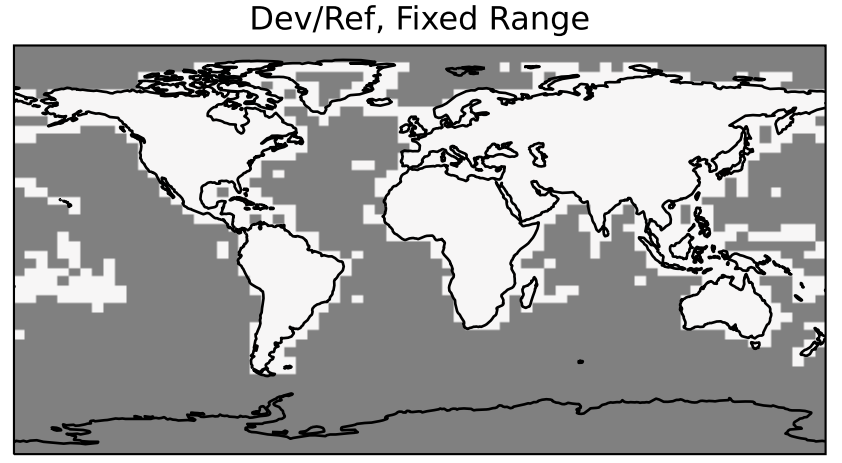


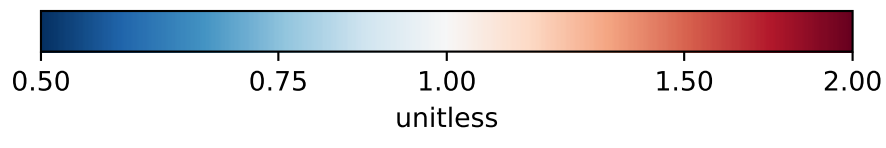
Ratio
Dev/Ref, Dynamic Range





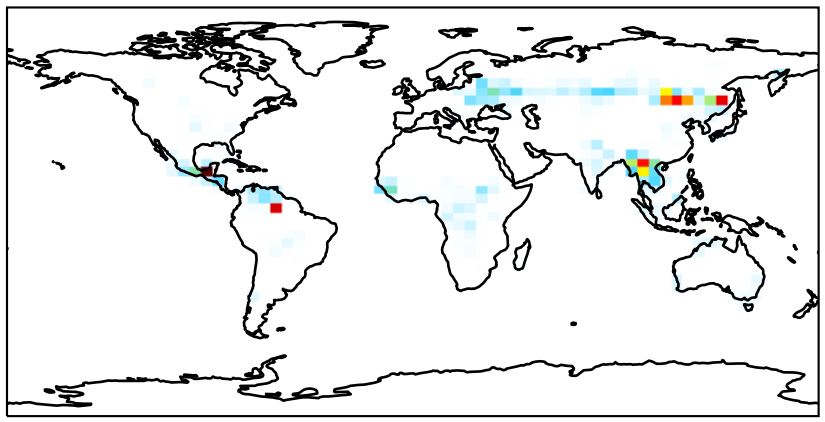
Ratio
Dev/Ref, Fixed Range

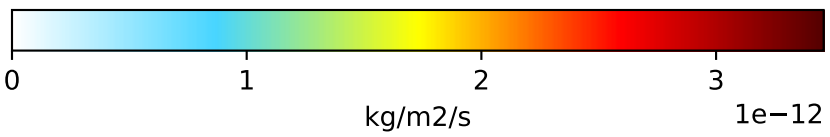




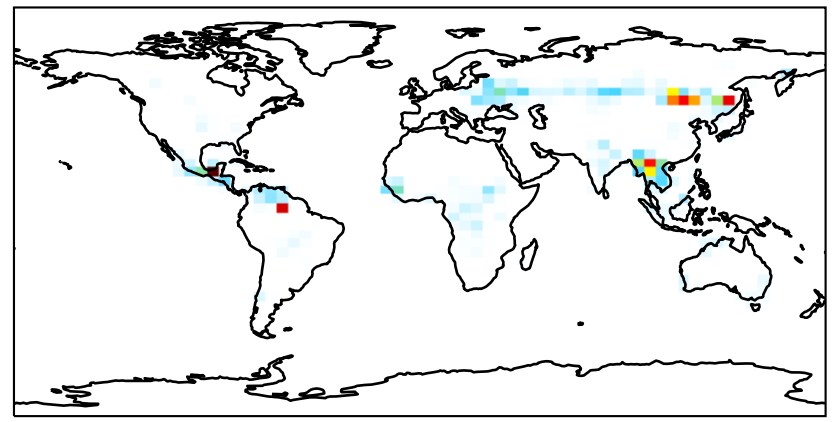
EmisTOLU_BioBurn (Apr2019)

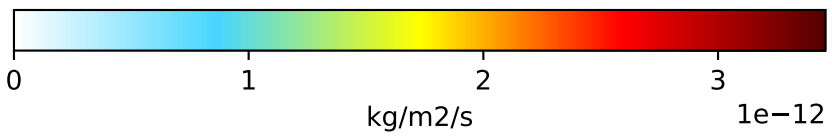
GCC_14.0.0_1yr (Ref)
4.0x5.0



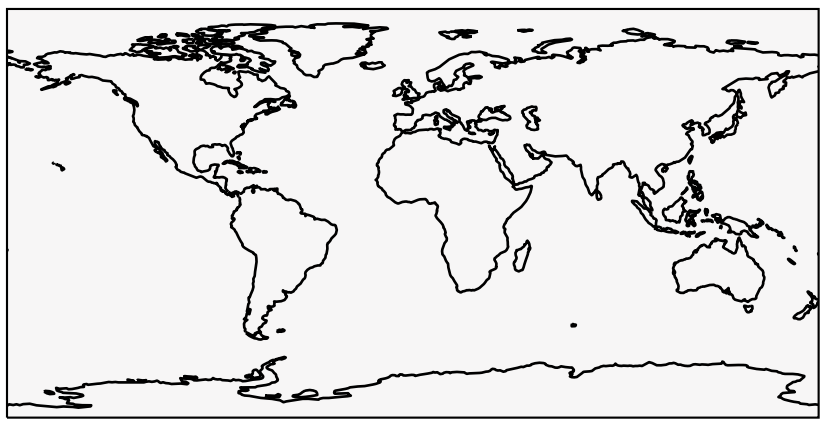


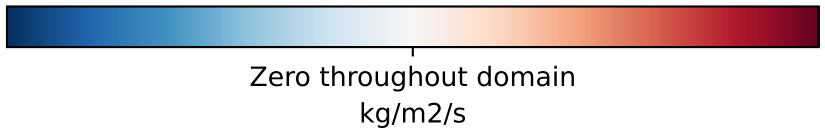
GCC_14.0.0_10yr (Dev)
4.0x5.0



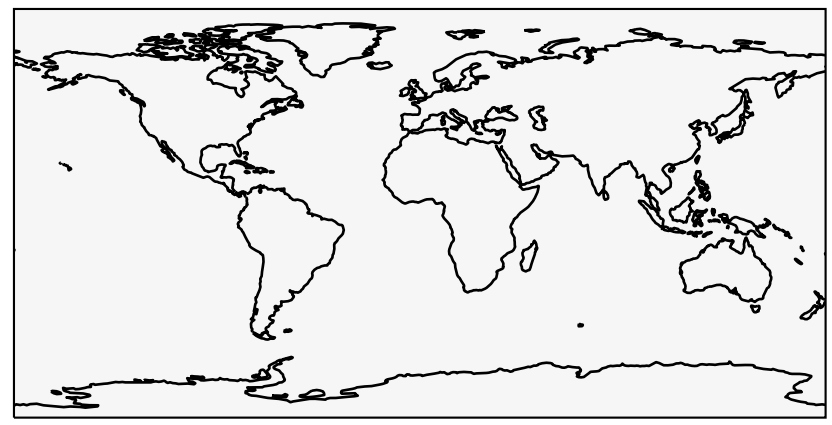


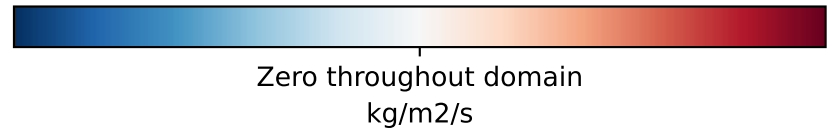
Difference
Dev - Ref, Dynamic Range



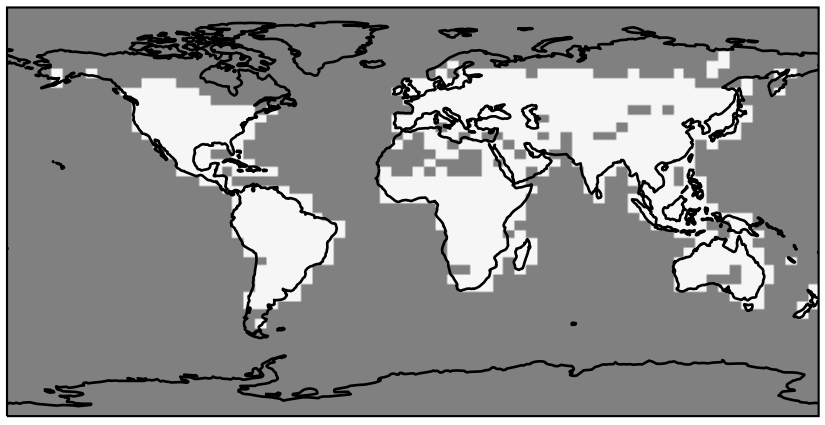


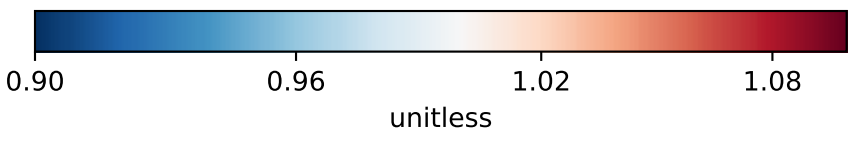
Difference
Dev - Ref, Restricted Range [5%,95%]



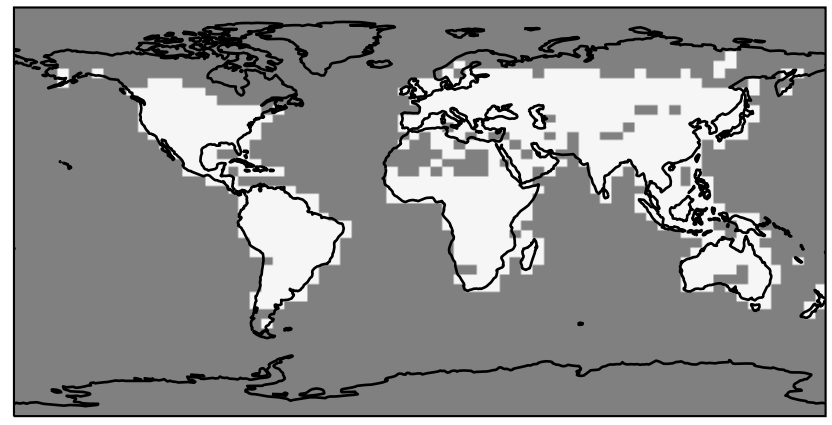


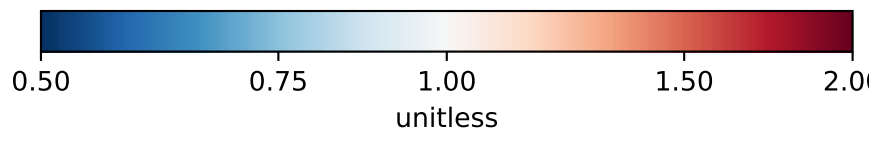
Ratio
Dev/Ref, Dynamic Range





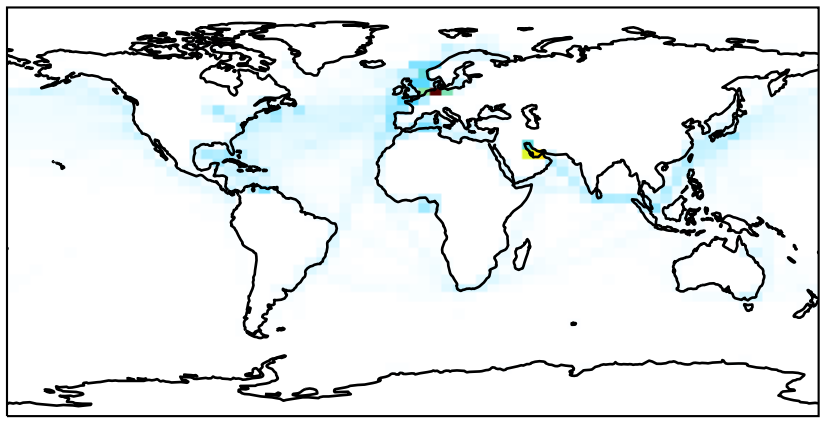
Ratio
Dev/Ref, Fixed Range

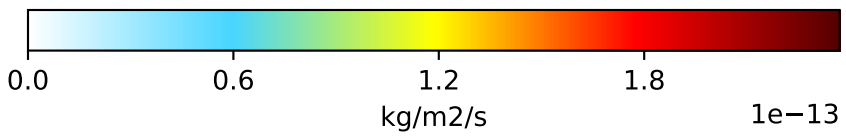




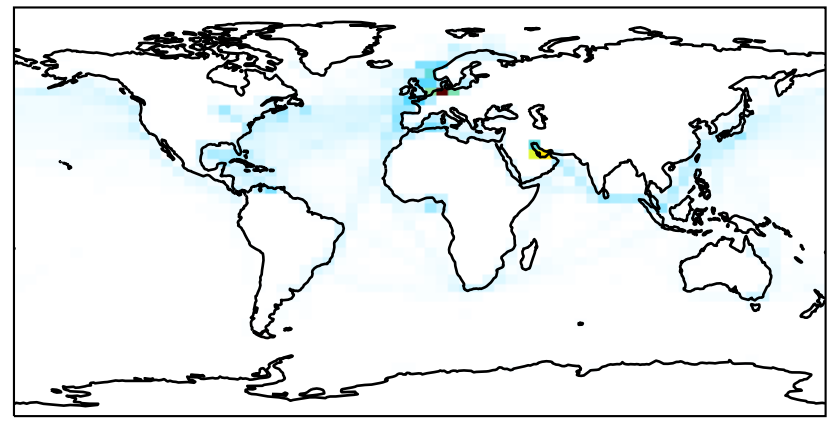
EmisTOLU_Ship (Apr2019)

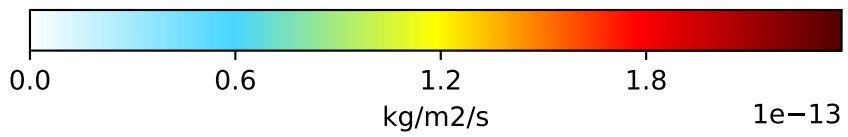
GCC_14.0.0_1yr (Ref)
4.0x5.0



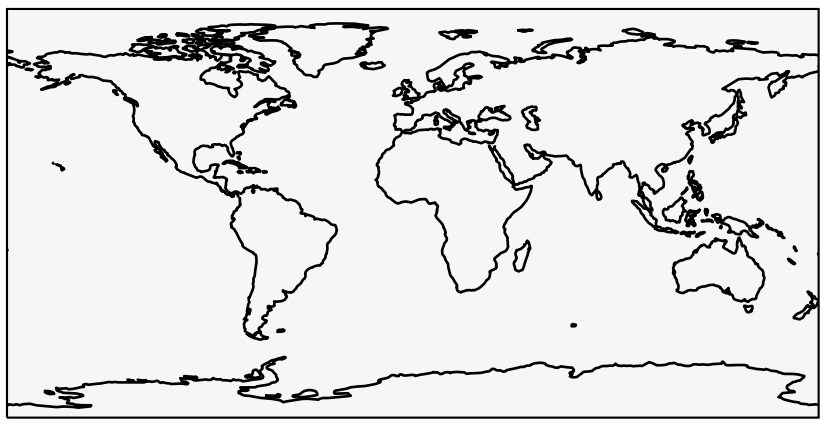


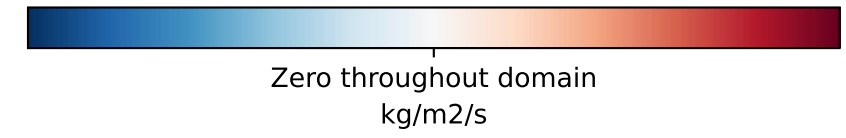
GCC_14.0.0_10yr (Dev)
4.0x5.0



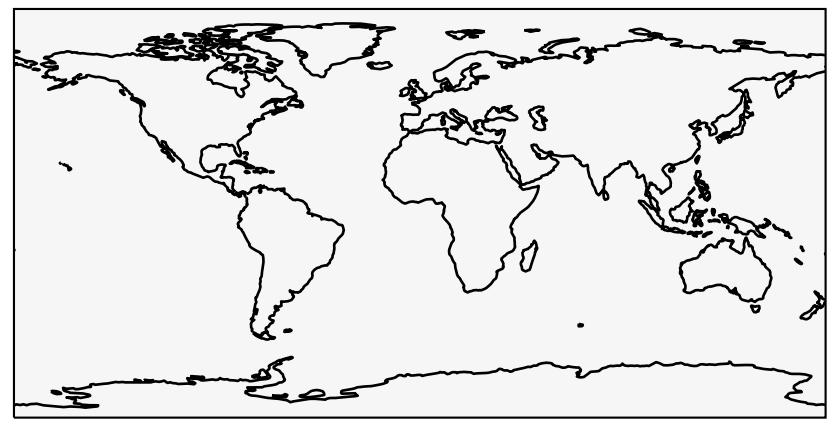


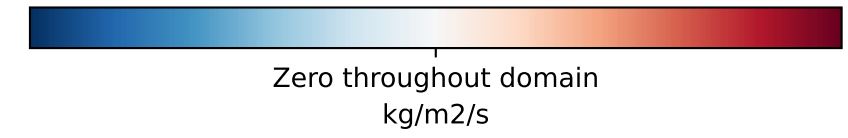
Difference
Dev - Ref, Dynamic Range



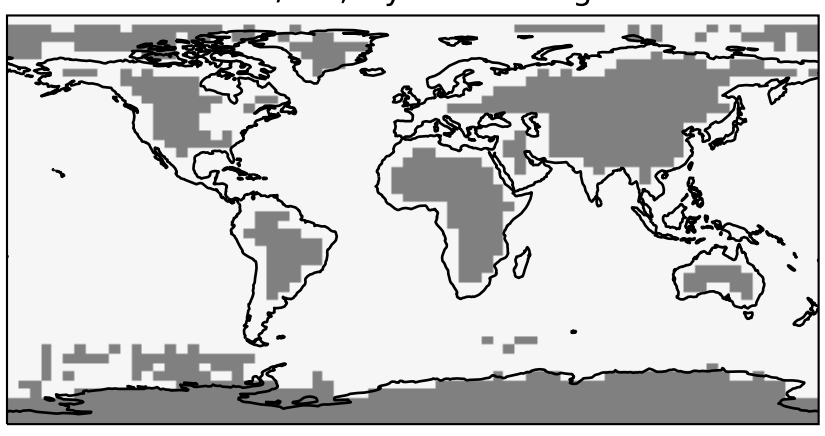


Difference
Dev - Ref, Restricted Range [5%,95%]

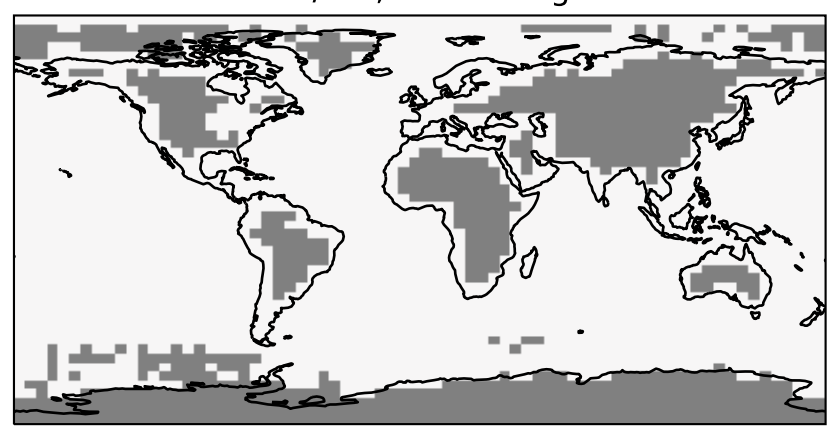


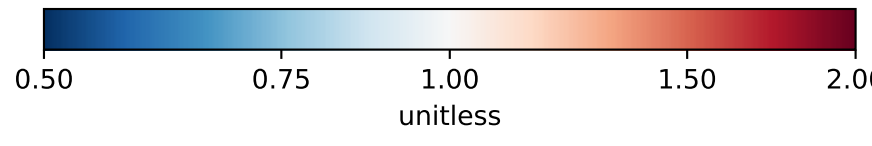


Ratio
Dev/Ref, Dynamic Range



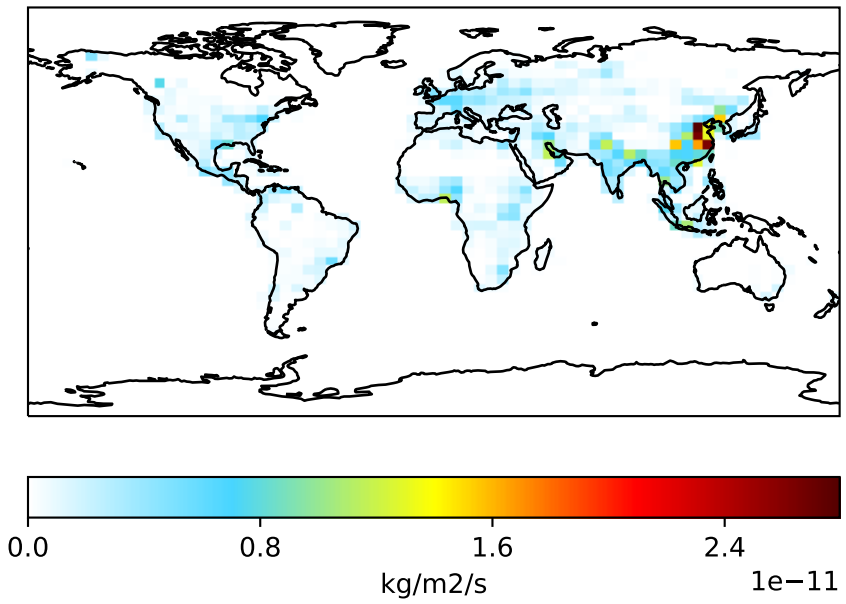
Ratio
Dev/Ref, Fixed Range



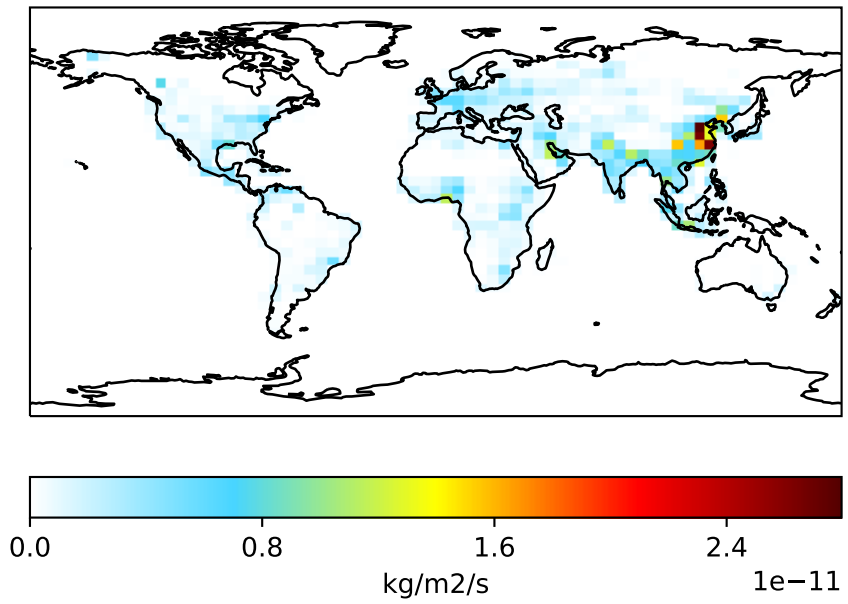


EmisTOLU_Total (Apr2019)

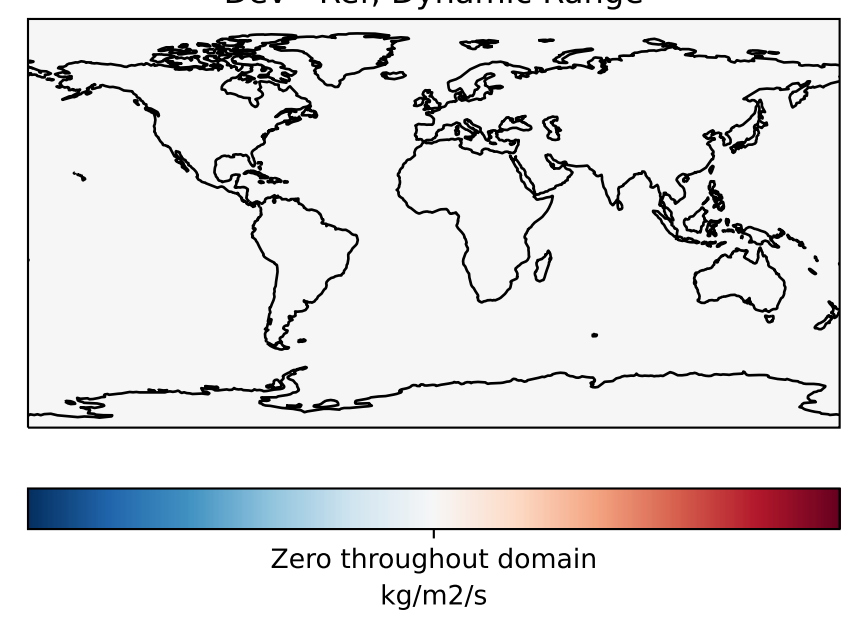
GCC_14.0.0_1yr (Ref)
4.0x5.0



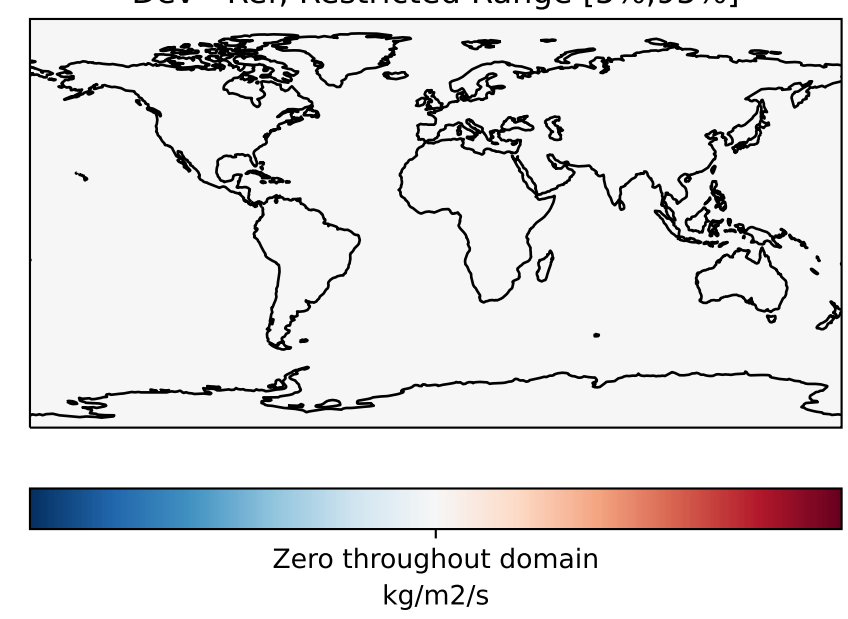
GCC_14.0.0_10yr (Dev)
4.0x5.0



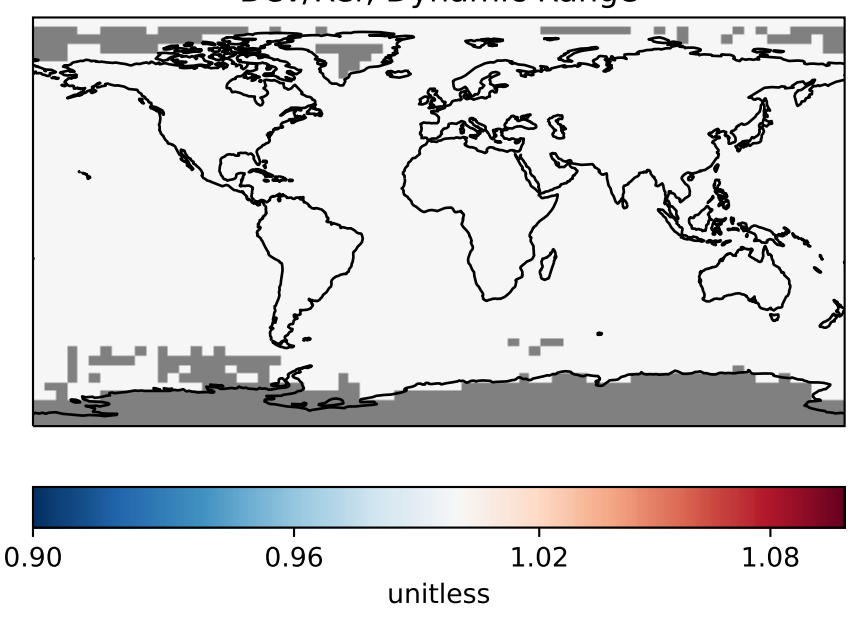
Difference
Dev - Ref, Dynamic Range



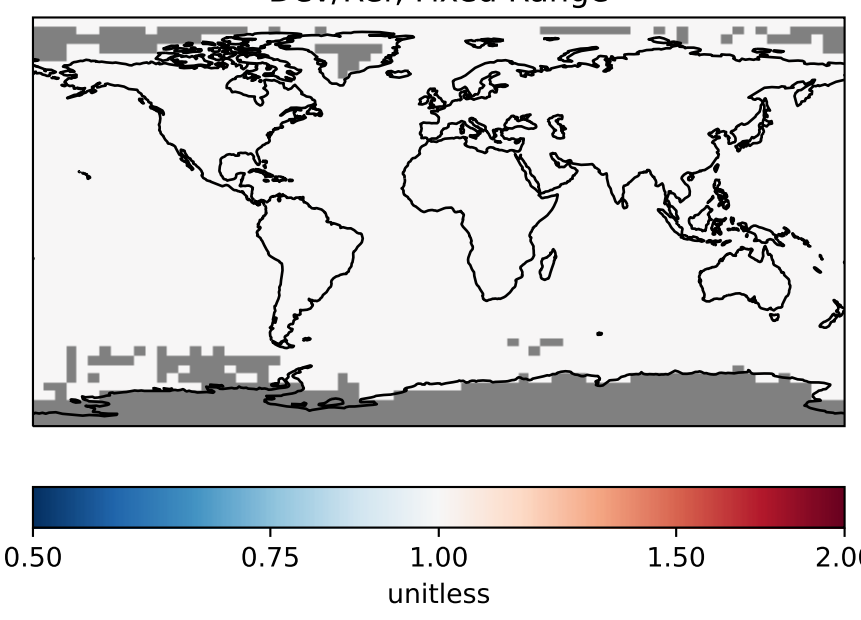
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

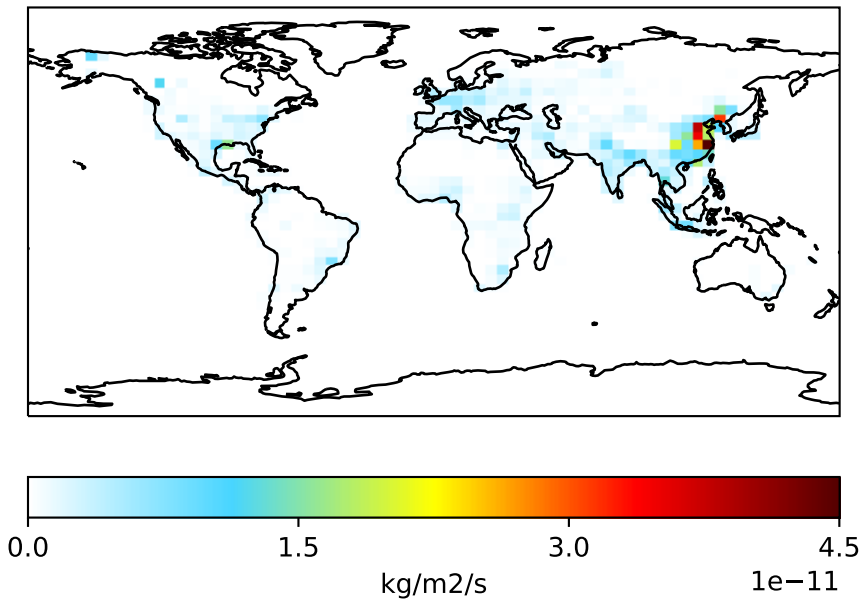


Ratio
Dev/Ref, Fixed Range

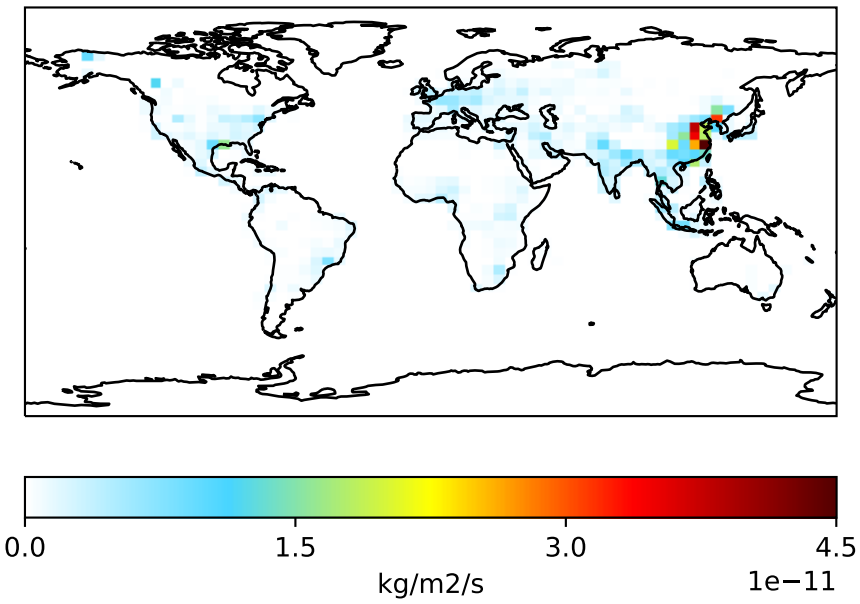


EmisXYLE_Anthro (Apr2019)

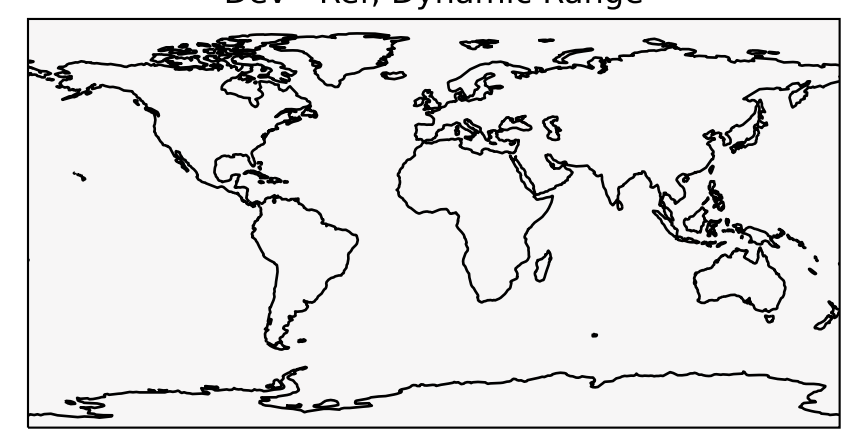
GCC_14.0.0_1yr (Ref)
4.0x5.0

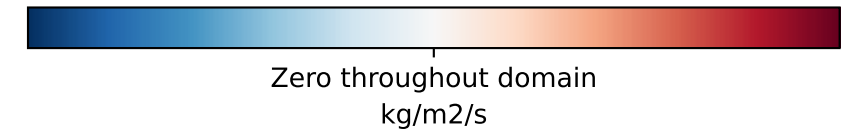


GCC_14.0.0_10yr (Dev)
4.0x5.0

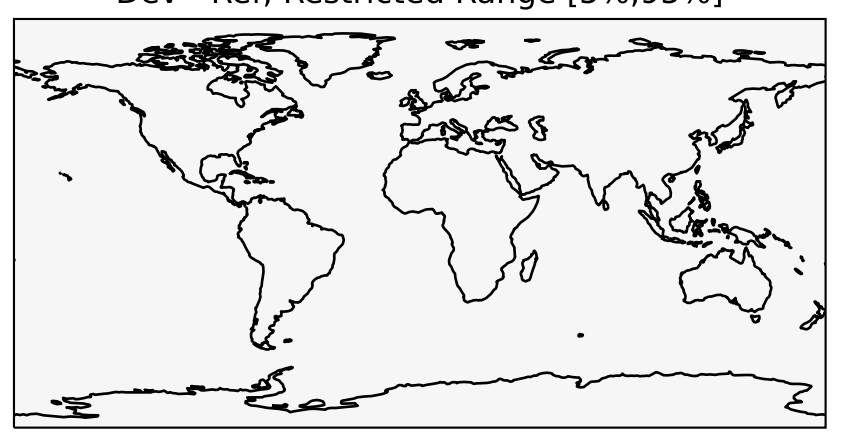


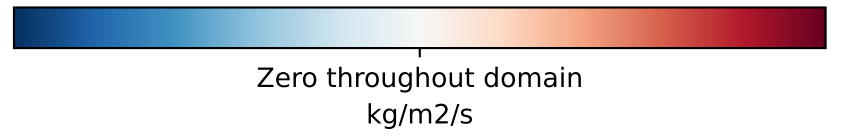
Difference
Dev - Ref, Dynamic Range



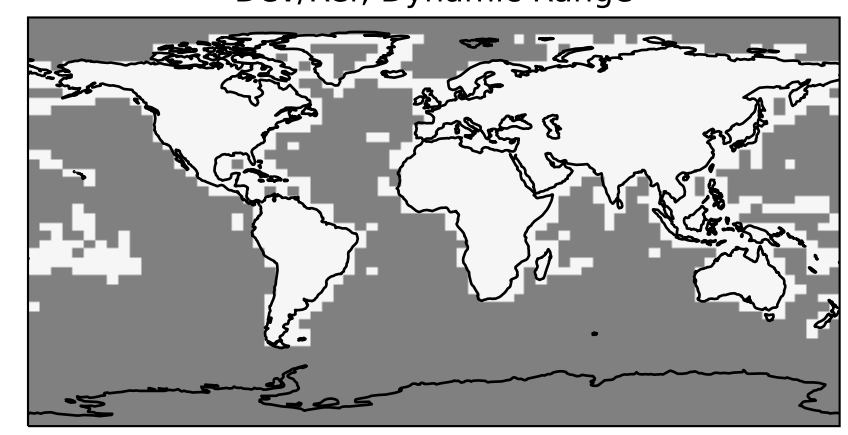


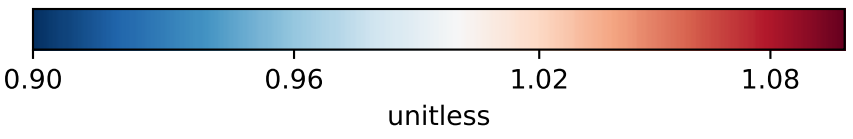
Difference
Dev - Ref, Restricted Range [5%,95%]



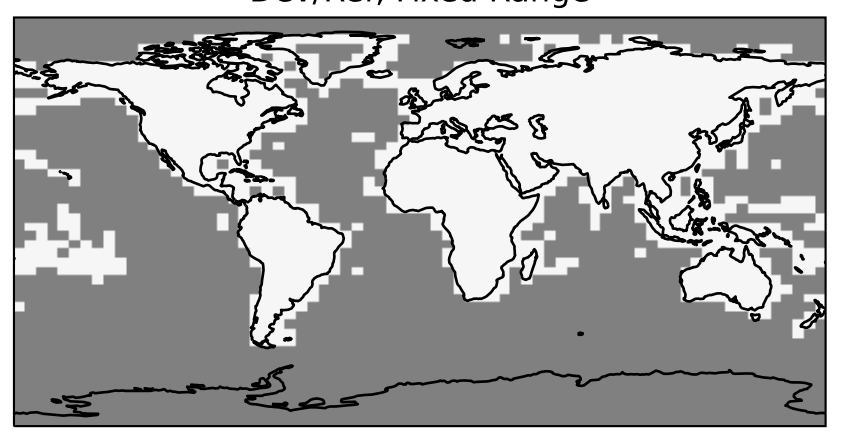


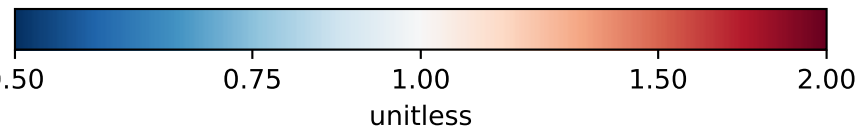
Ratio
Dev/Ref, Dynamic Range





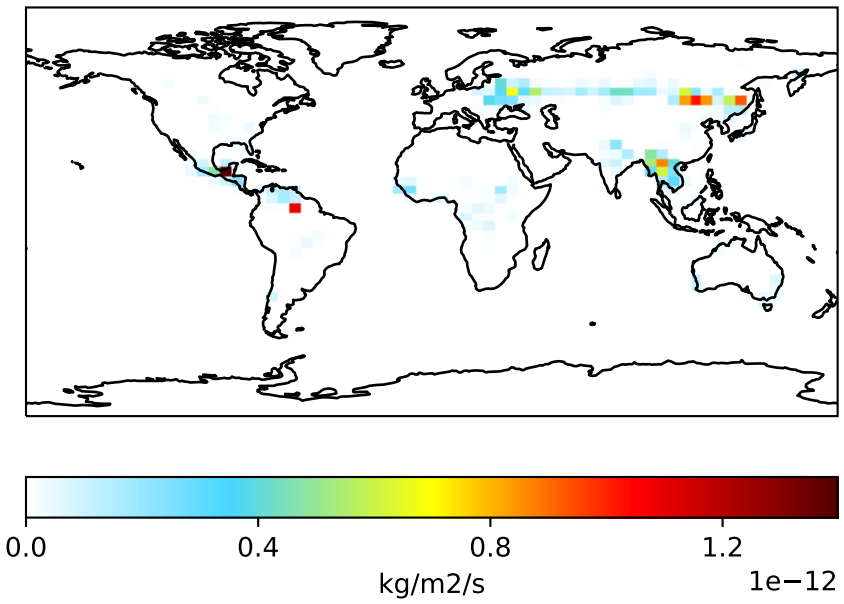
Ratio
Dev/Ref, Fixed Range



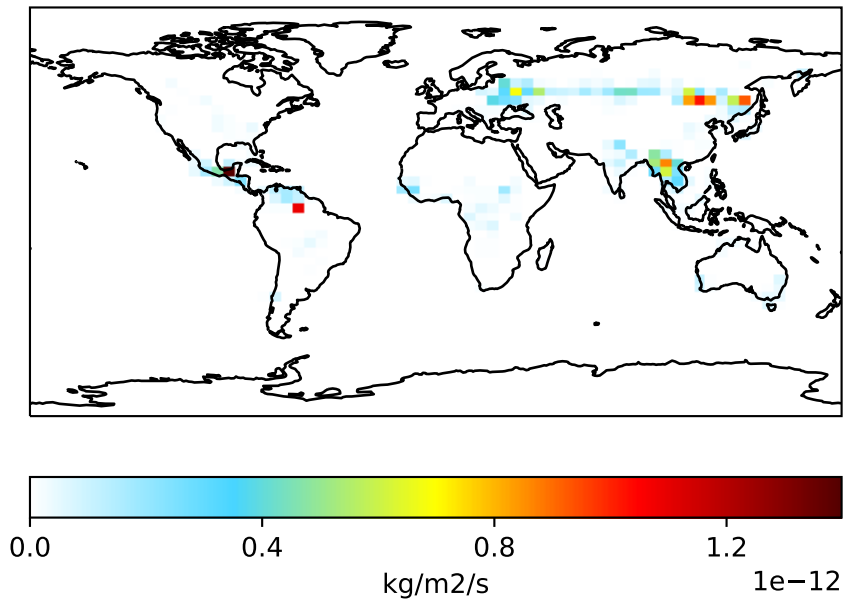


EmisXYLE_BioBurn (Apr2019)

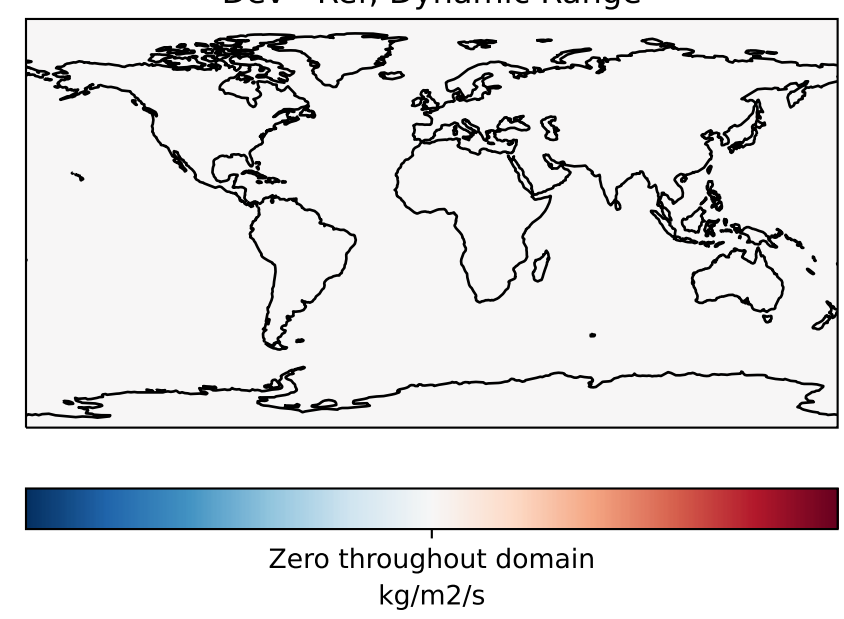
GCC_14.0.0_1yr (Ref)
4.0x5.0



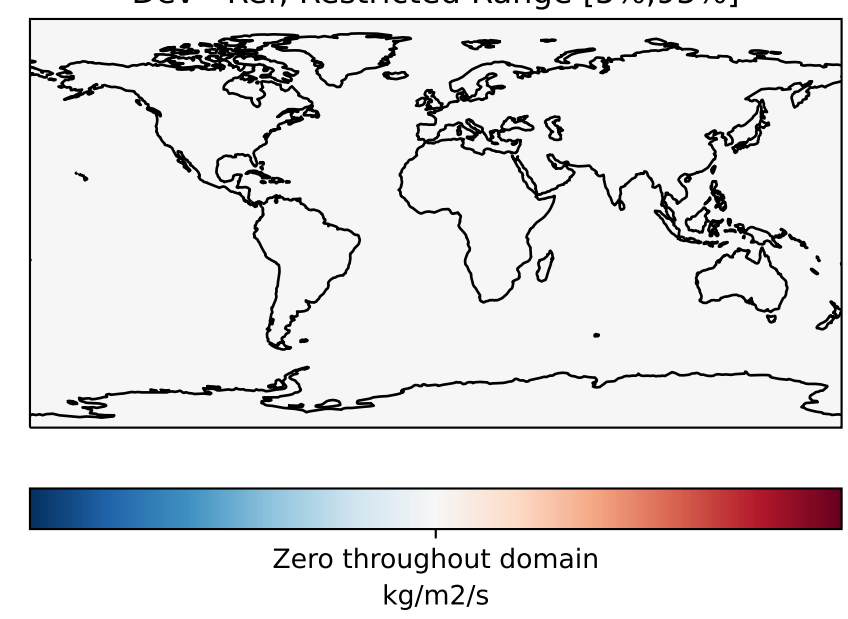
GCC_14.0.0_10yr (Dev)
4.0x5.0



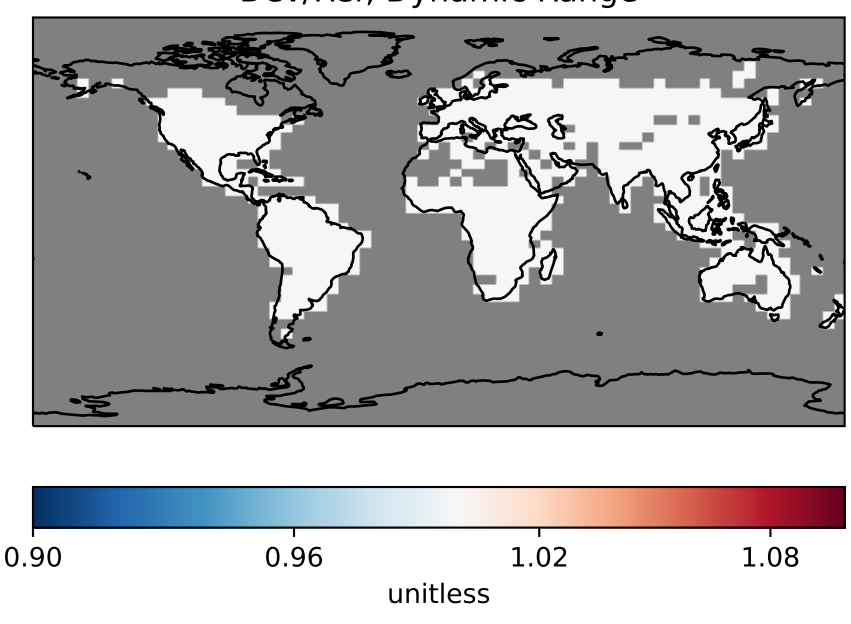
Difference
Dev - Ref, Dynamic Range



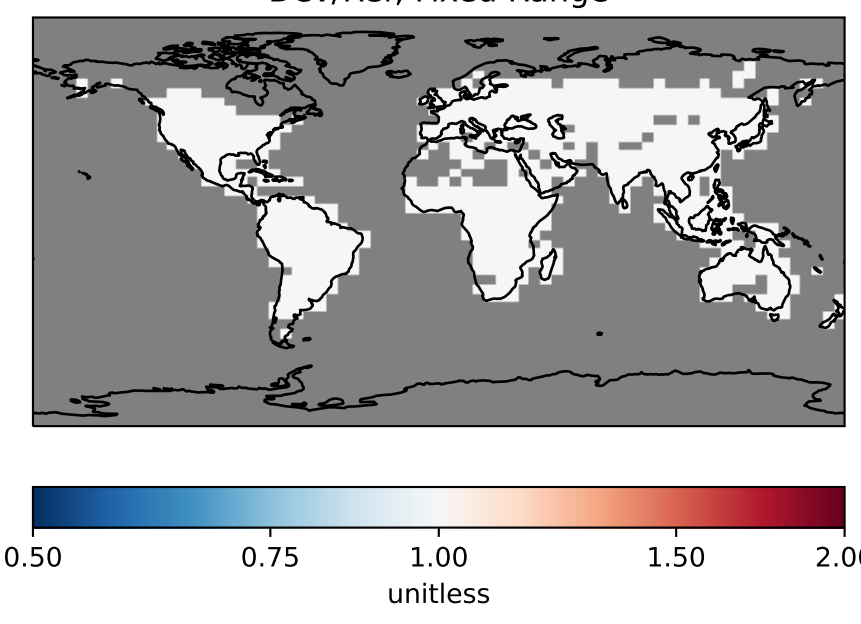
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

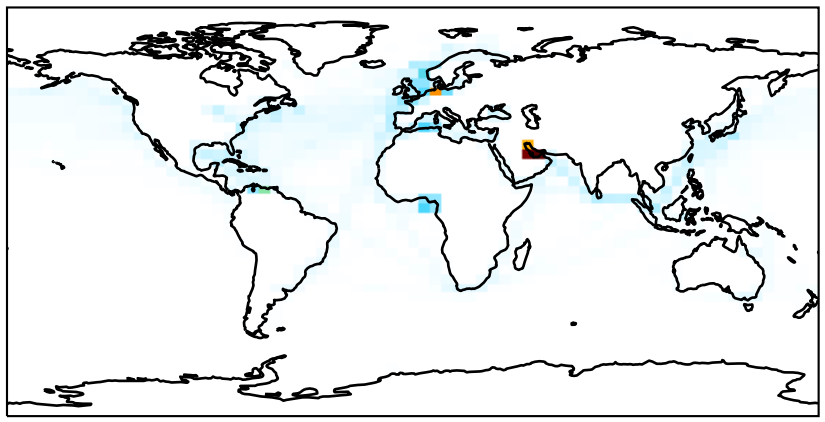


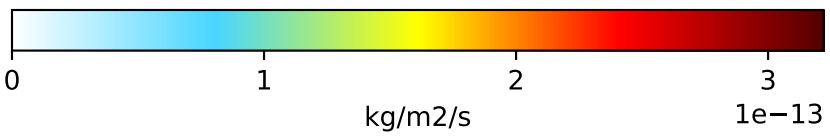
Ratio
Dev/Ref, Fixed Range



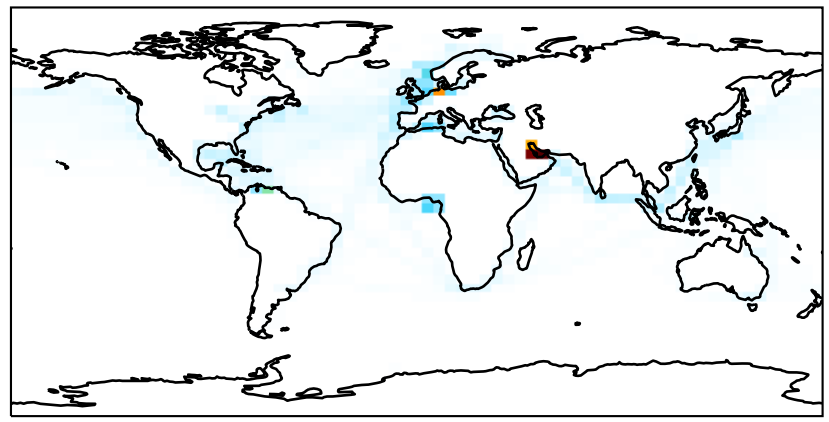
EmisXYLE_Ship (Apr2019)

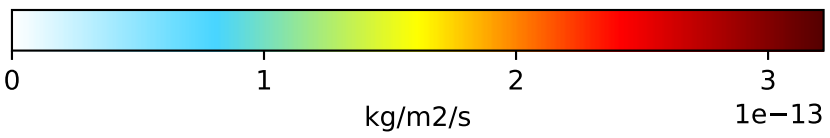
GCC_14.0.0_1yr (Ref)
4.0x5.0



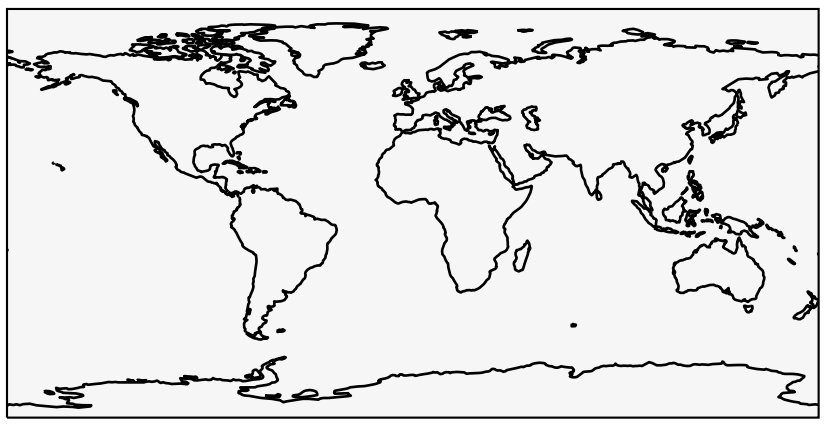


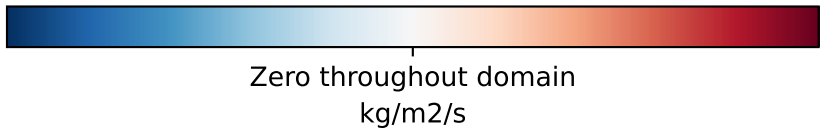
GCC_14.0.0_10yr (Dev)
4.0x5.0



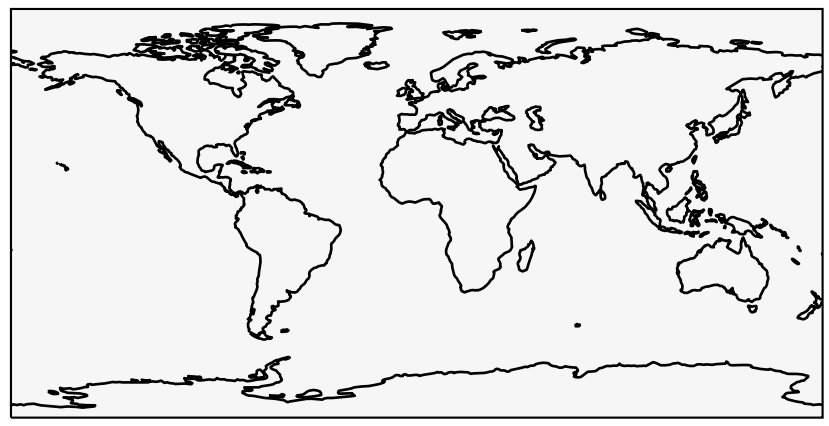


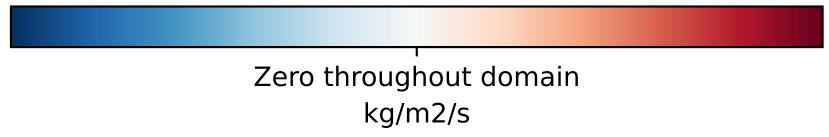
Difference
Dev - Ref, Dynamic Range



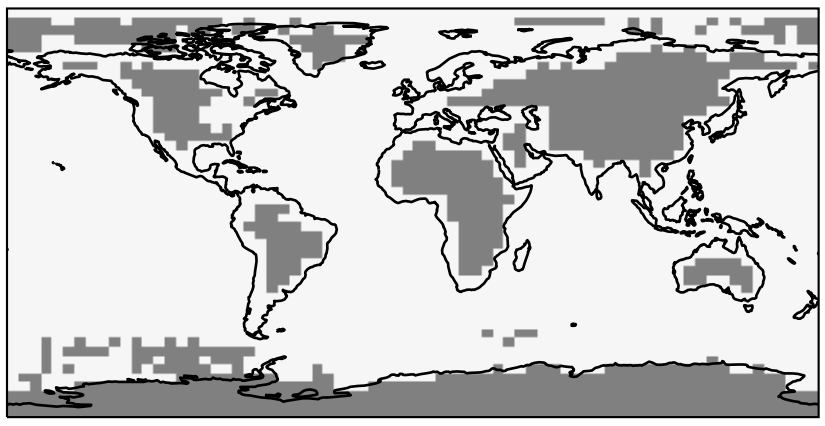


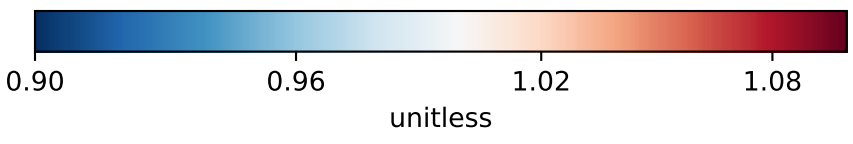
Difference
Dev - Ref, Restricted Range [5%,95%]



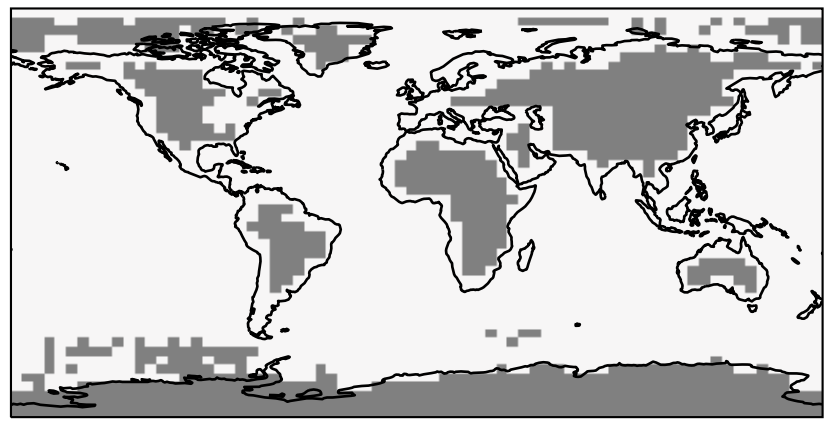


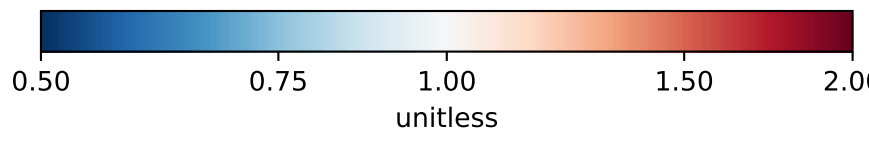
Ratio
Dev/Ref, Dynamic Range





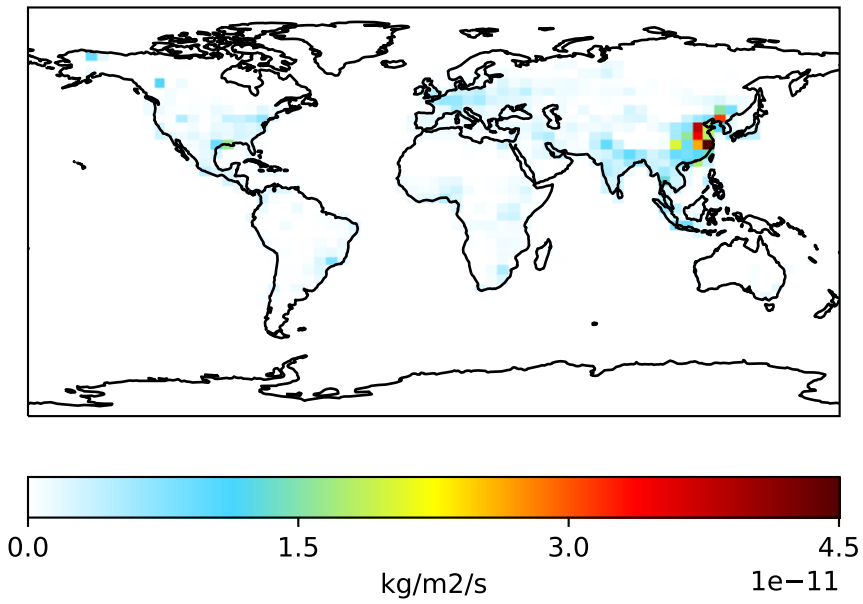
Ratio
Dev/Ref, Fixed Range



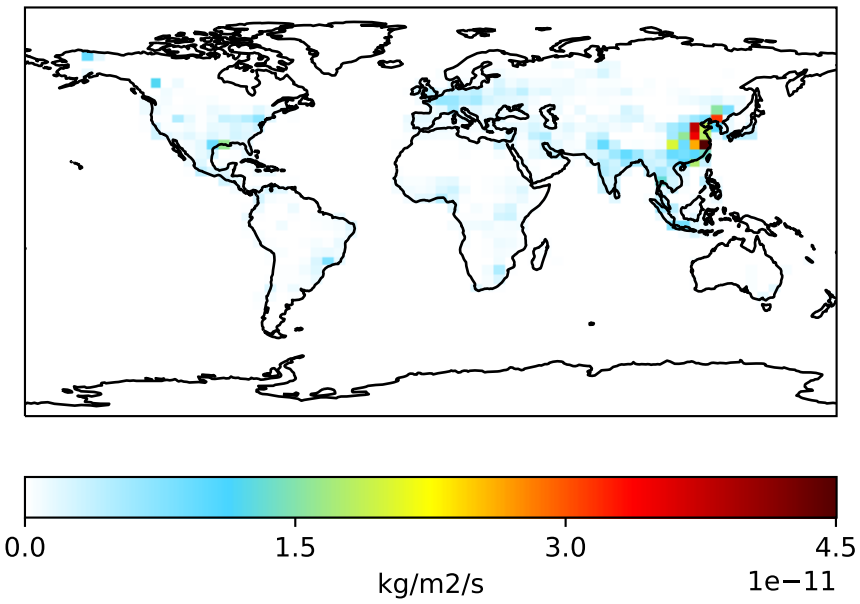


EmisXYLE_Total (Apr2019)

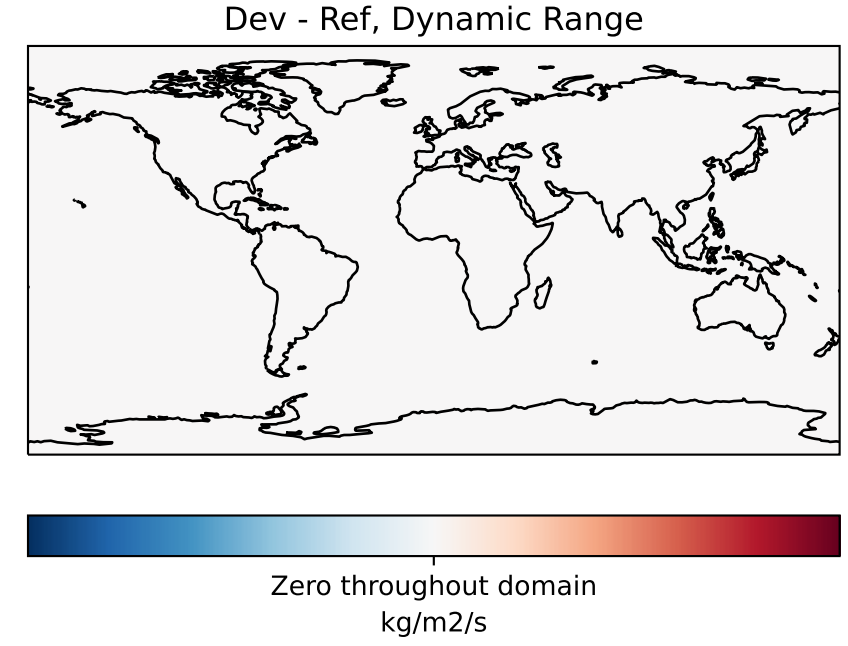
GCC_14.0.0_1yr (Ref)
4.0x5.0



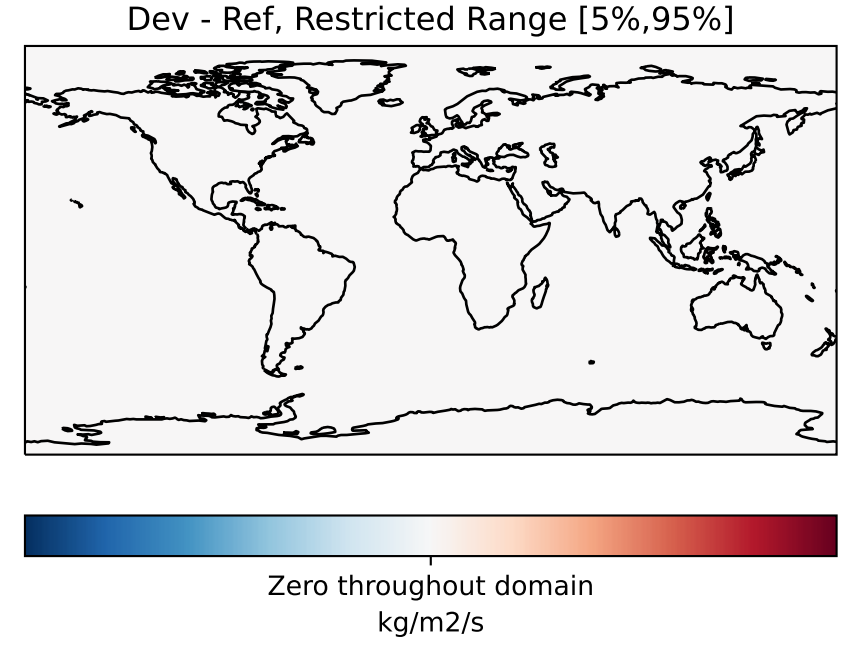
GCC_14.0.0_10yr (Dev)
4.0x5.0



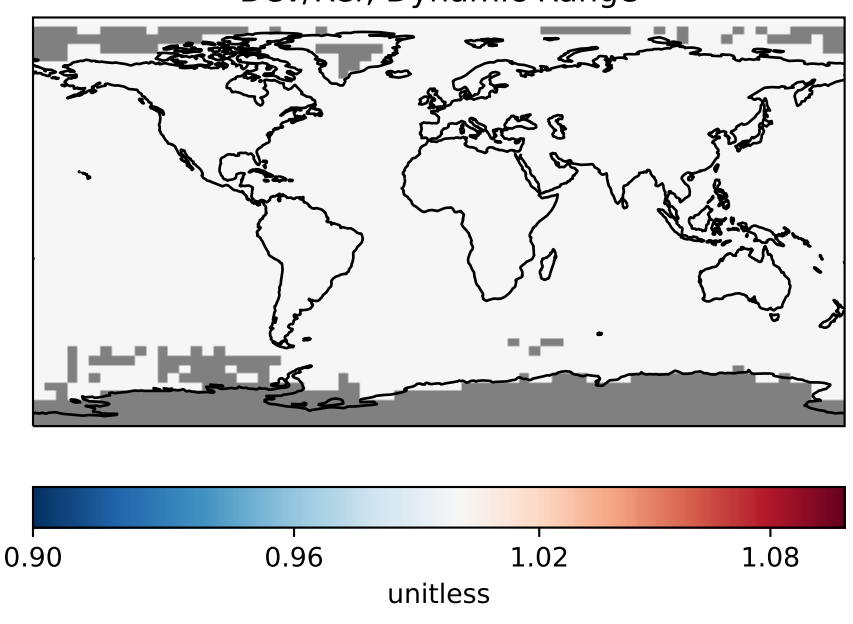
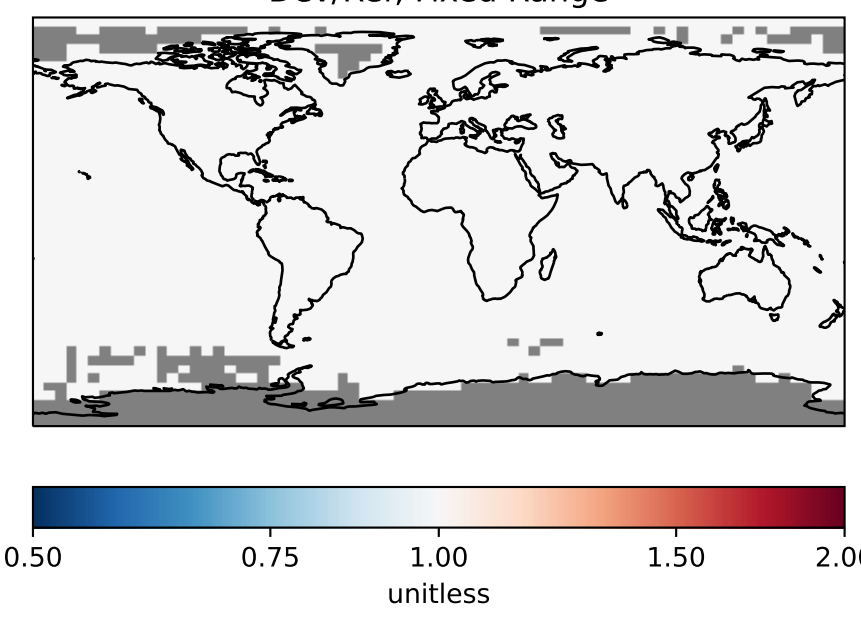
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range