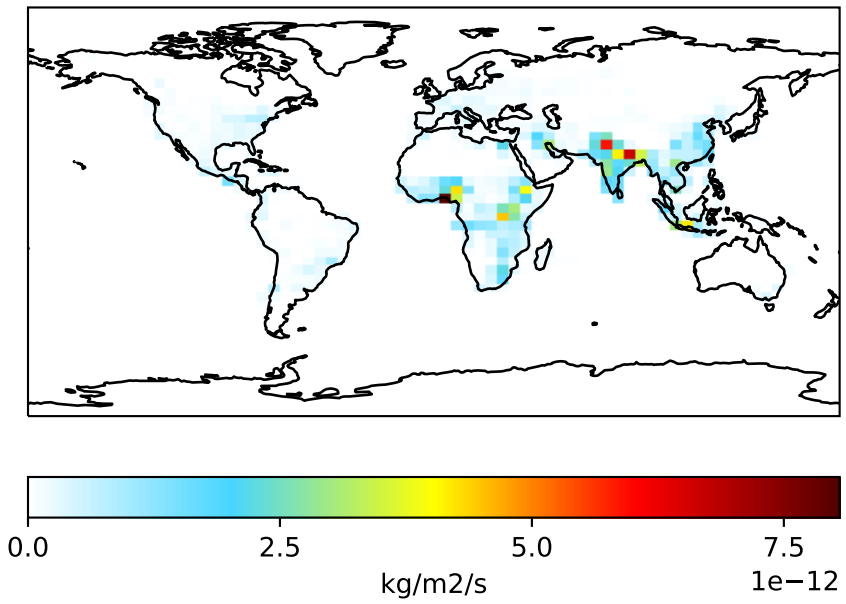
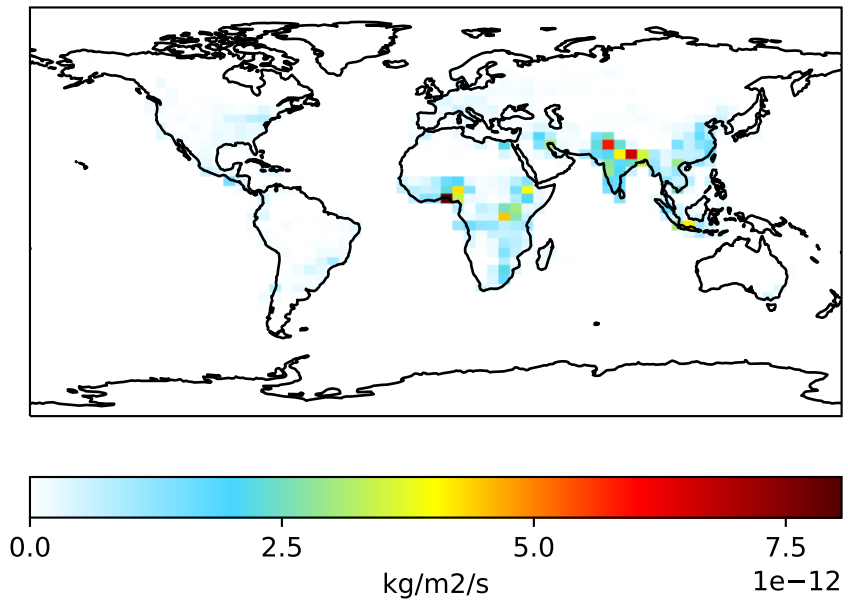
EmisALD2_Anthro (Jul2019)

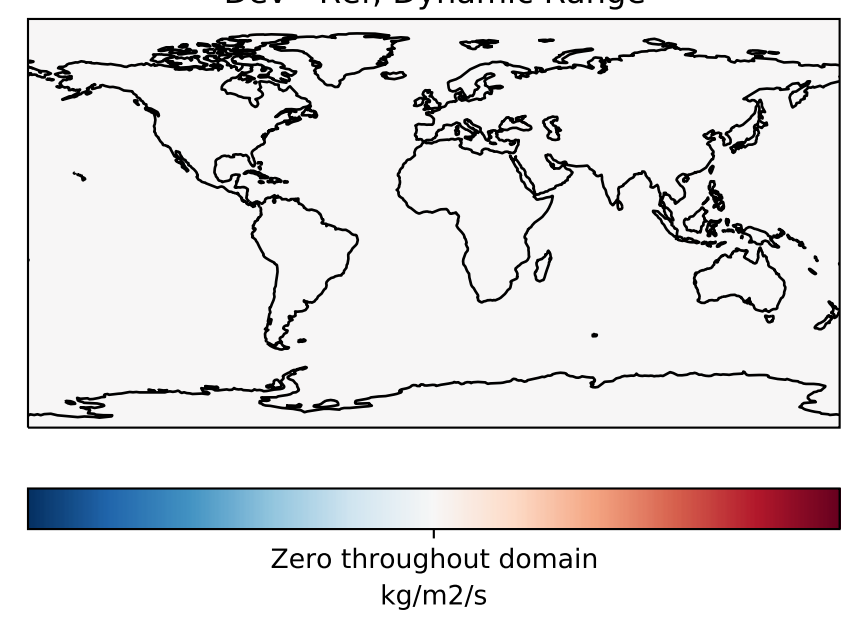
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



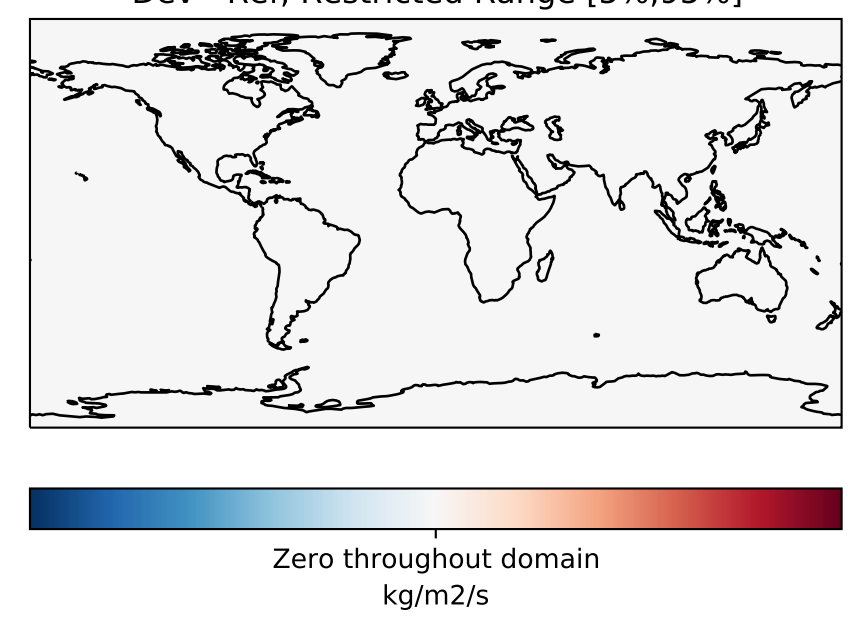
GCC_13.0.0 (Dev)
4.0x5.0



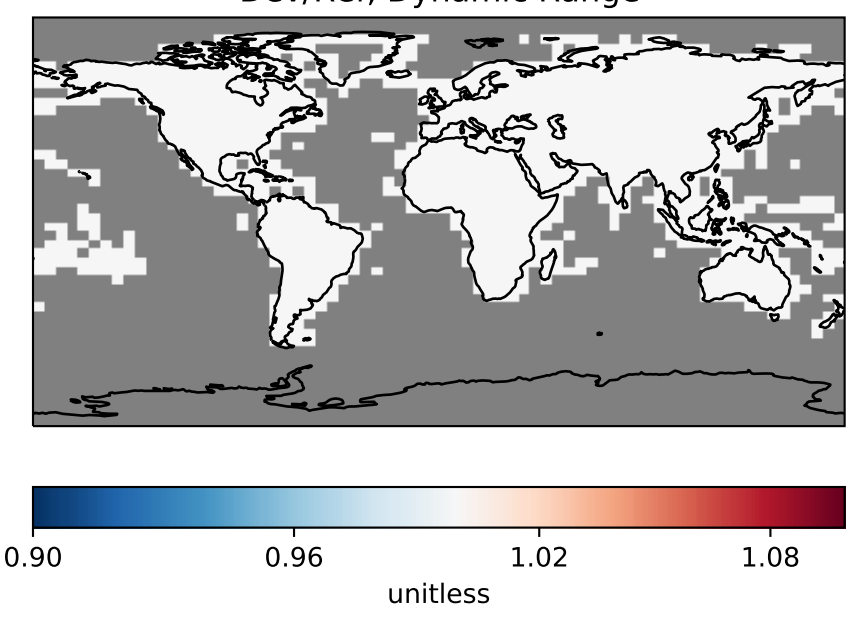
Difference
Dev - Ref, Dynamic Range



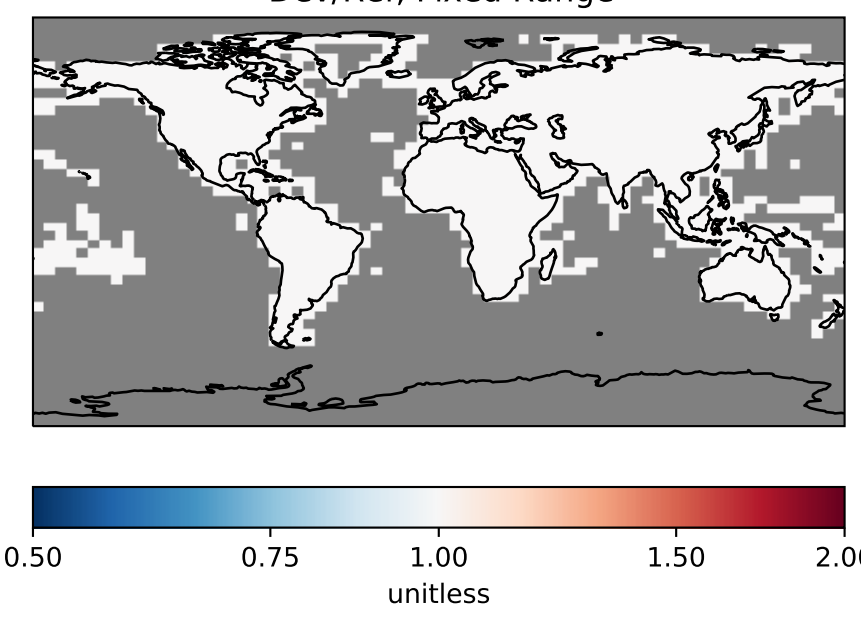
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

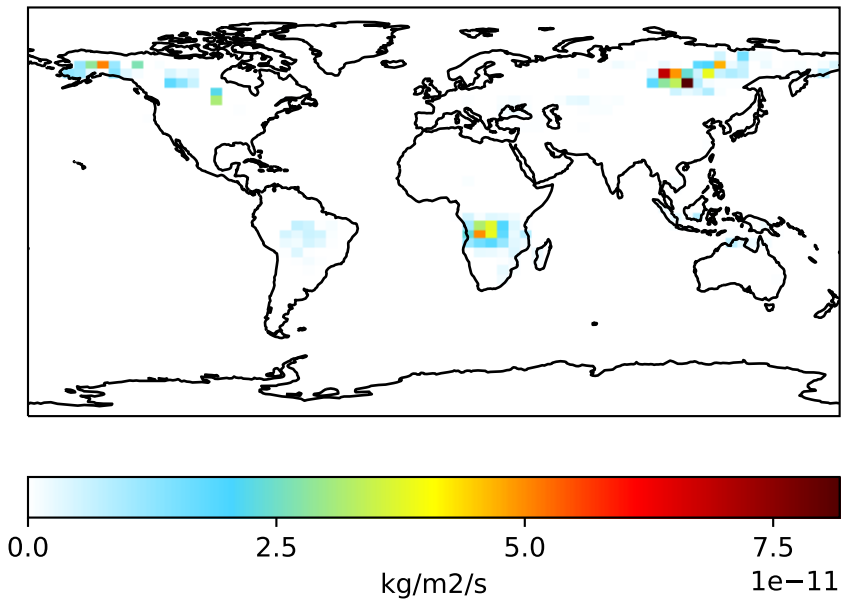


Ratio
Dev/Ref, Fixed Range

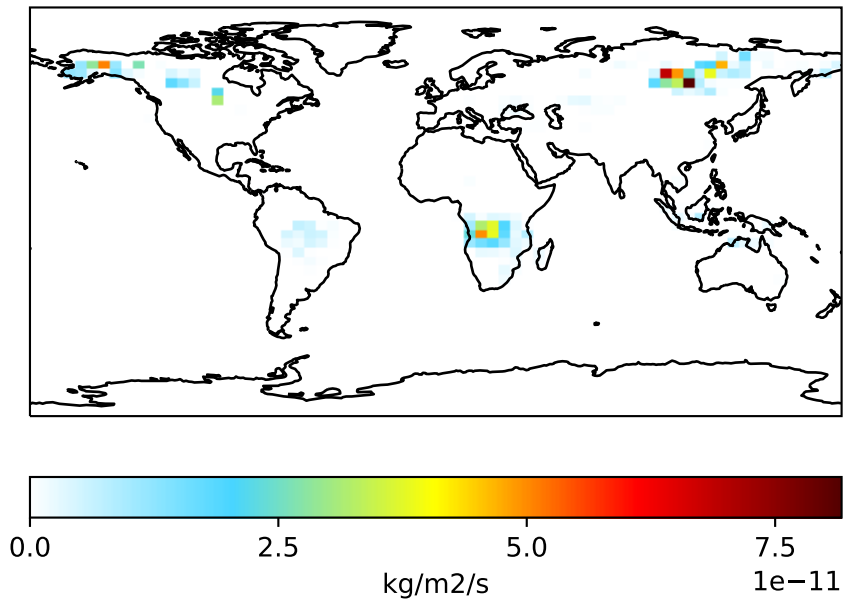


EmisALD2_BioBurn (Jul2019)

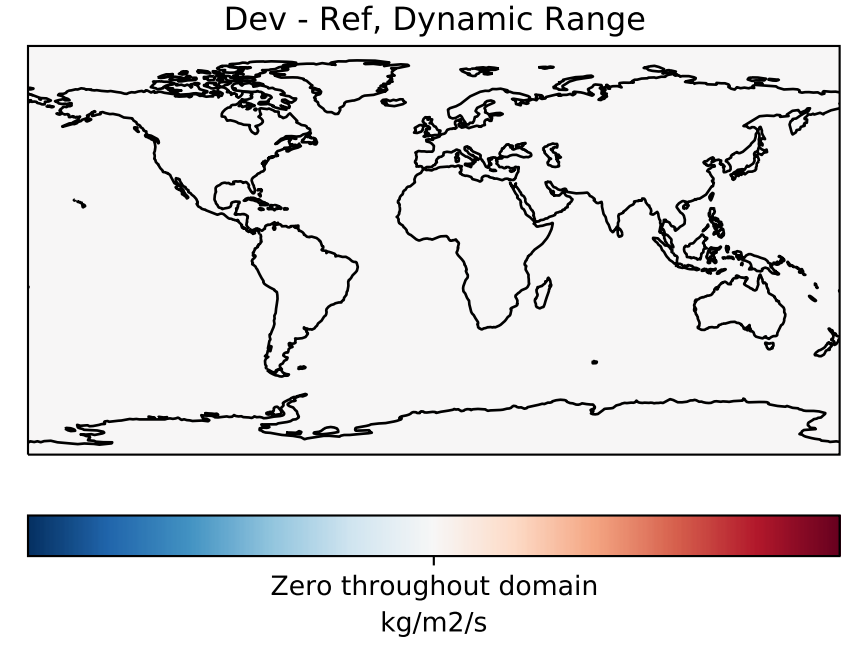
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



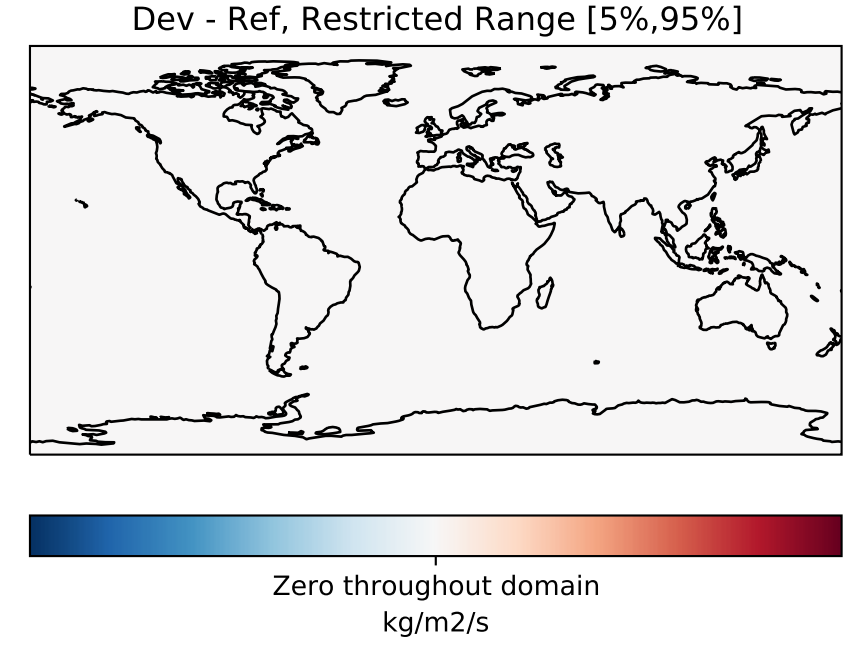
GCC_13.0.0 (Dev)
4.0x5.0



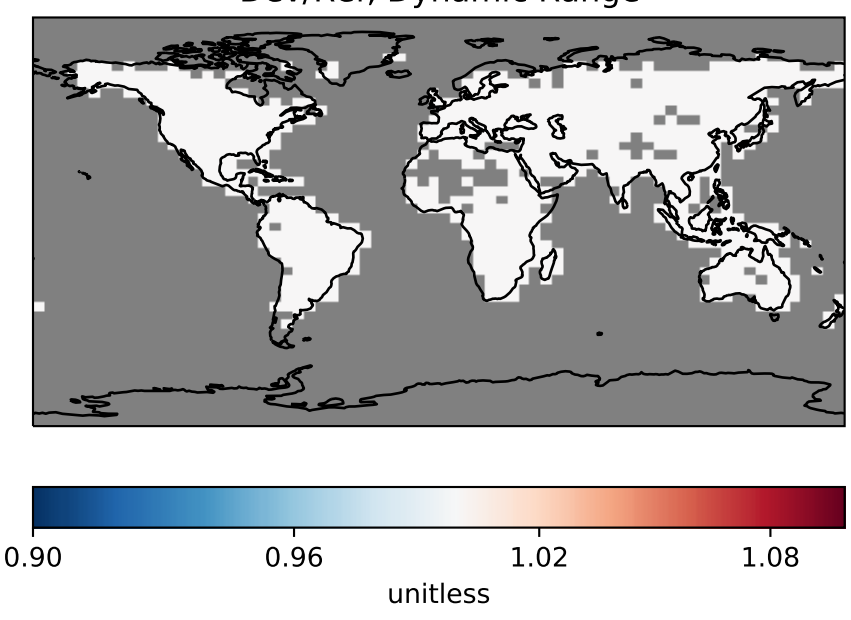
Difference
Dev - Ref, Dynamic Range



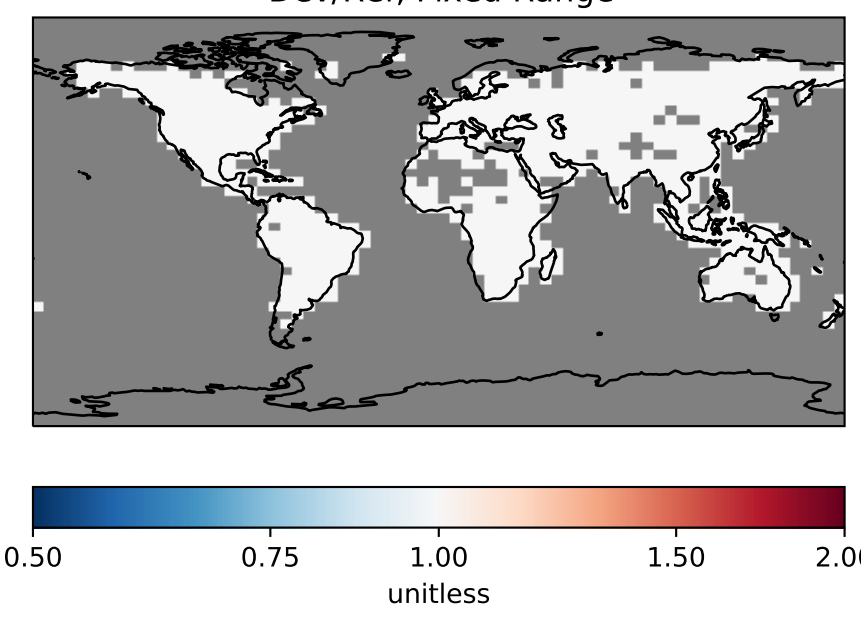
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

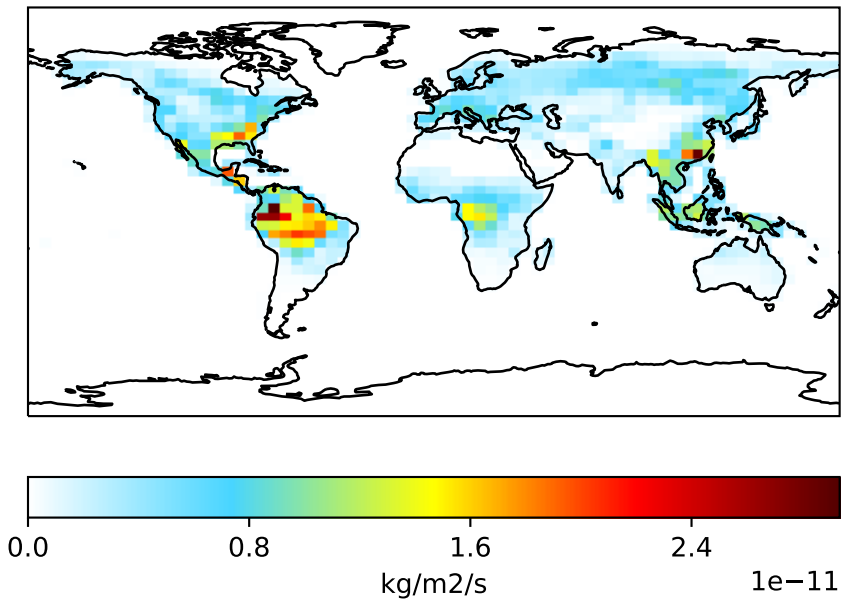


Ratio
Dev/Ref, Fixed Range

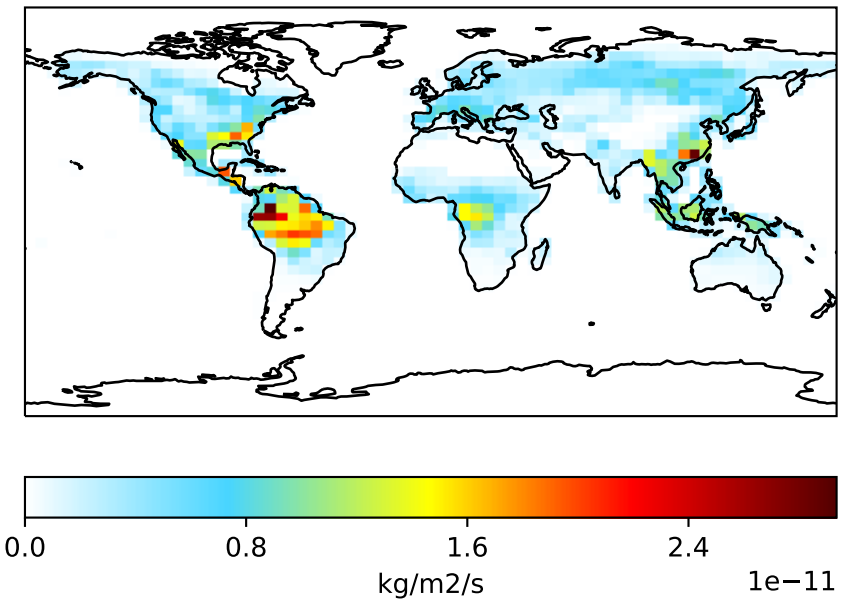


EmisALD2_Biogenic (Jul2019)

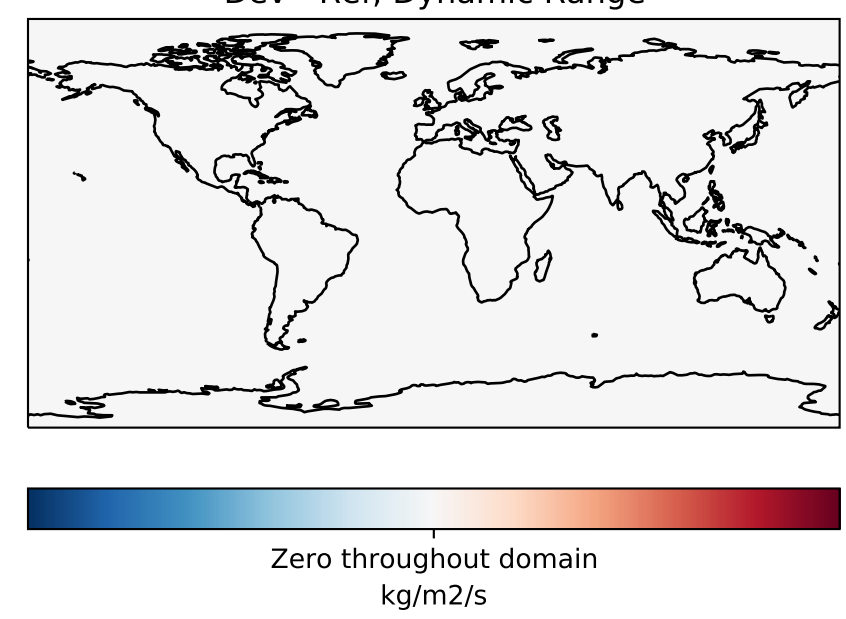
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



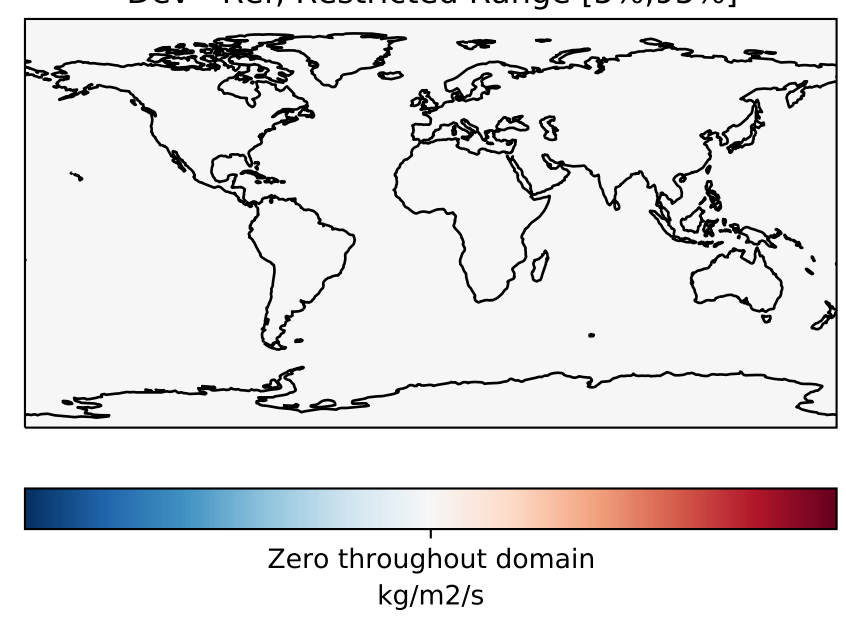
GCC_13.0.0 (Dev)
4.0x5.0



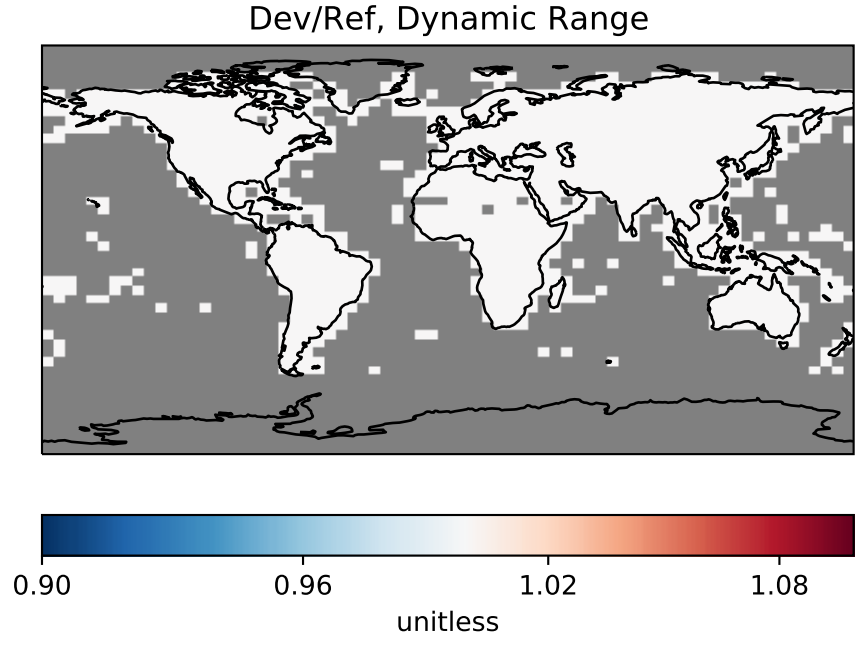
Difference
Dev - Ref, Dynamic Range



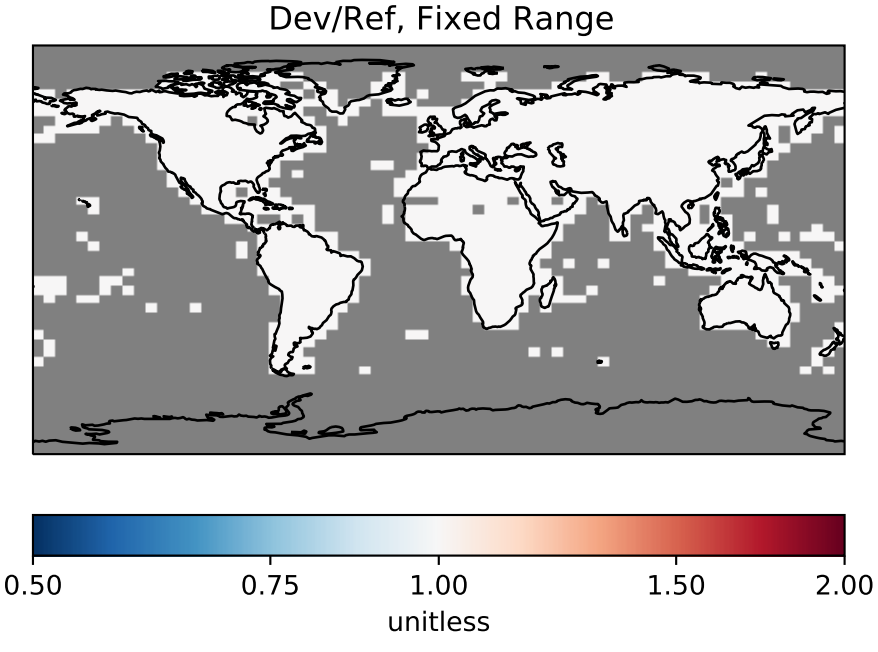
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

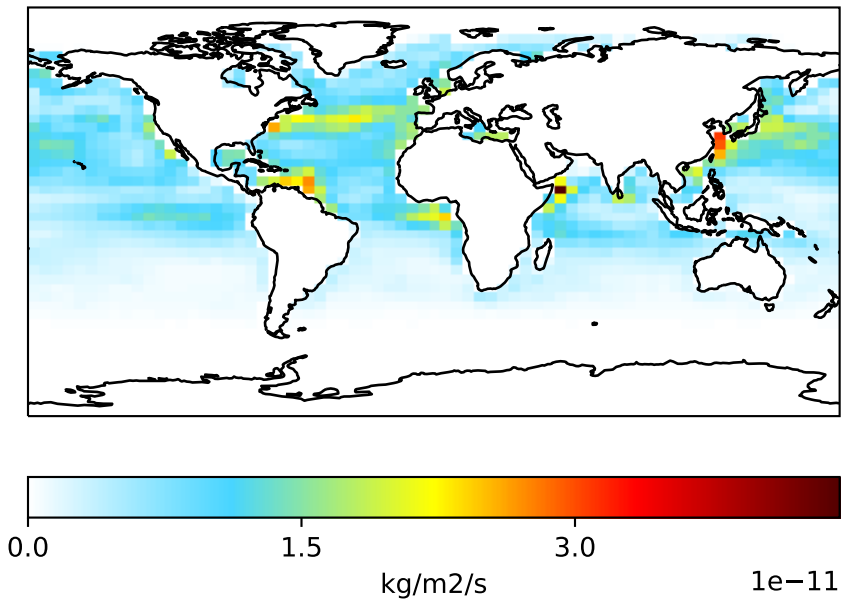


Ratio
Dev/Ref, Fixed Range

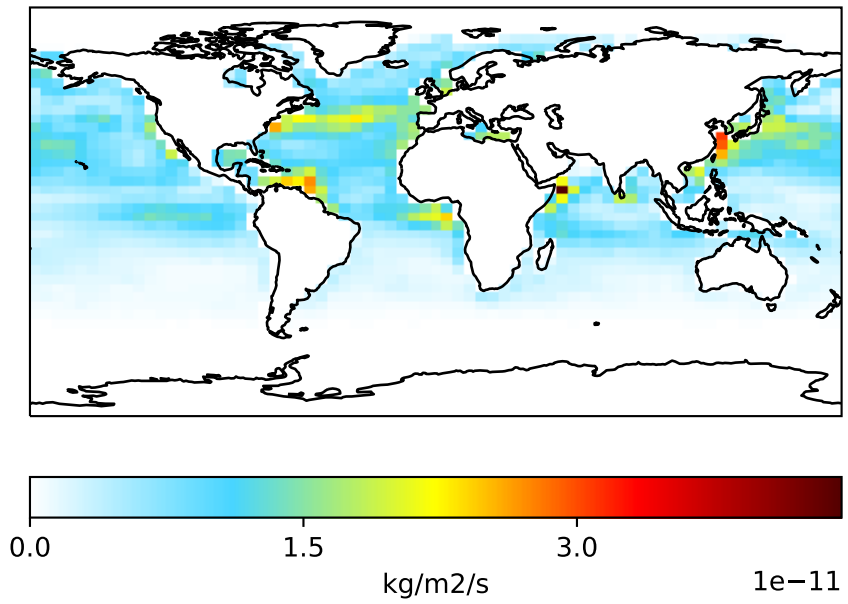


EmisALD2_Ocean (Jul2019)

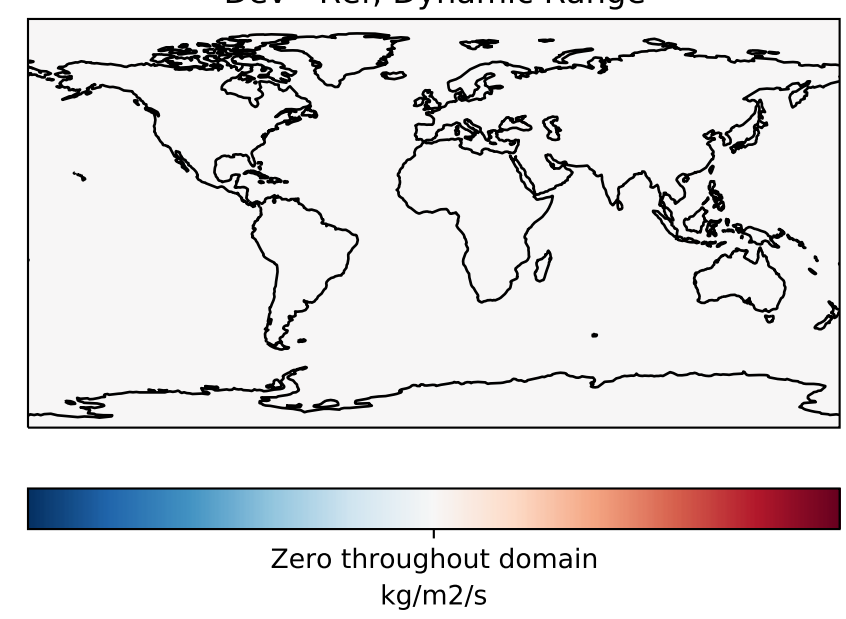
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



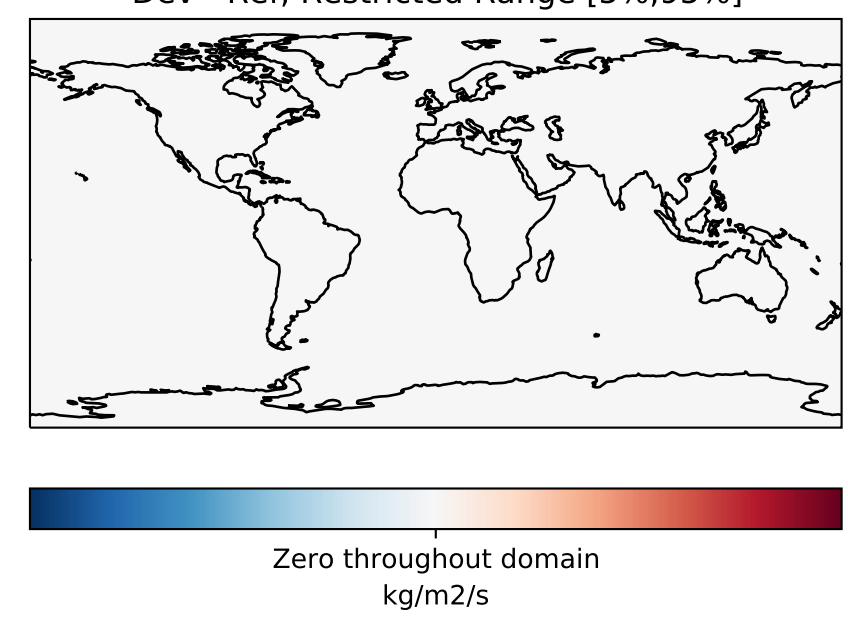
GCC_13.0.0 (Dev)
4.0x5.0



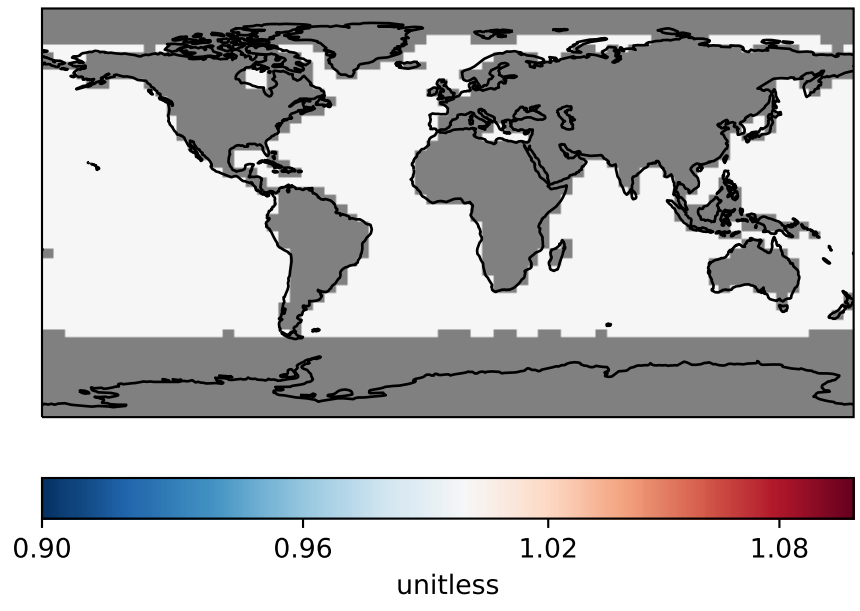
Difference
Dev - Ref, Dynamic Range



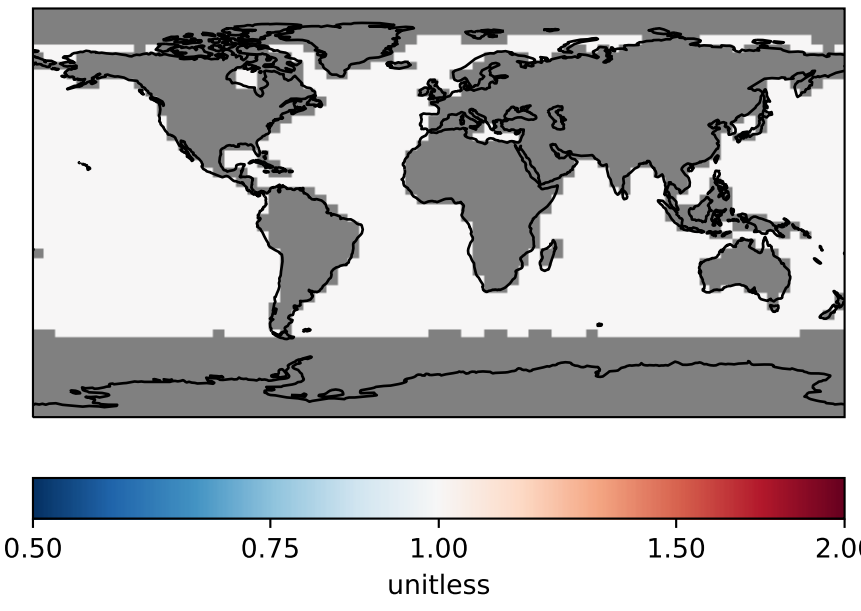
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

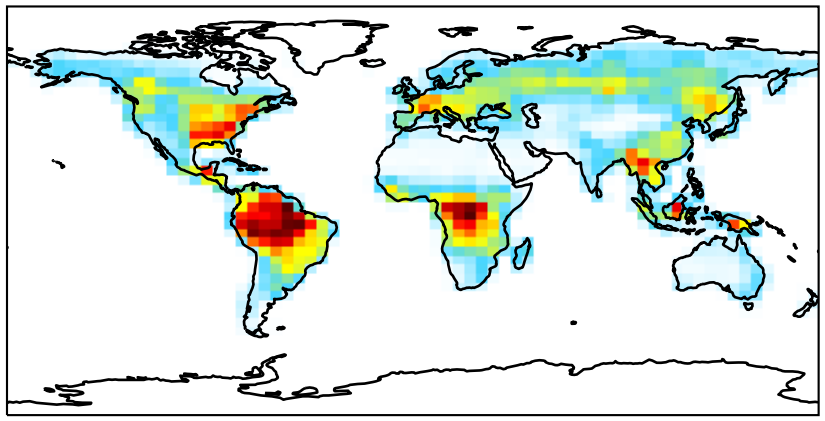


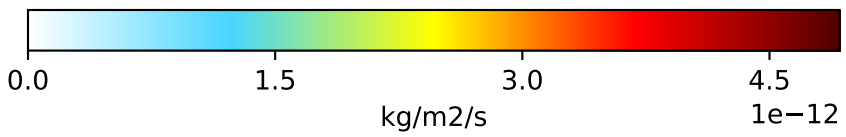
Ratio
Dev/Ref, Fixed Range



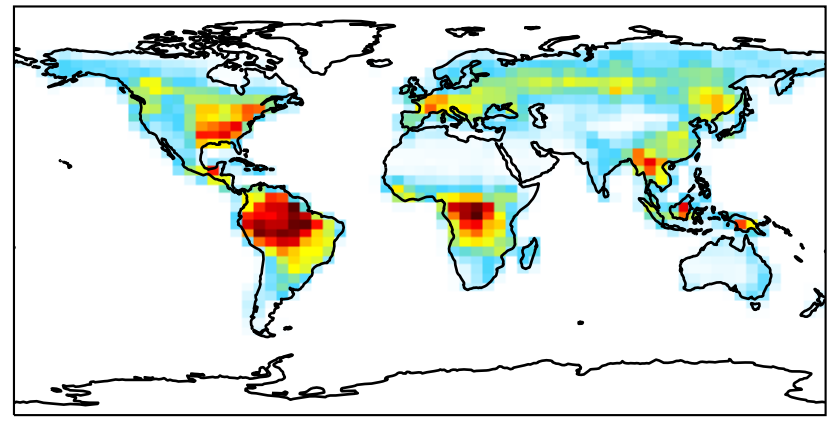
EmisALD2_PlantDecay (Jul2019)

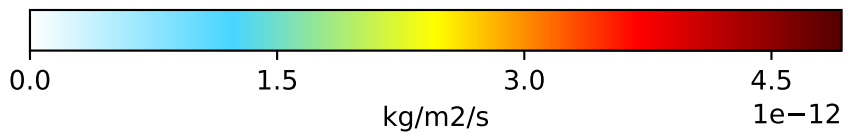
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



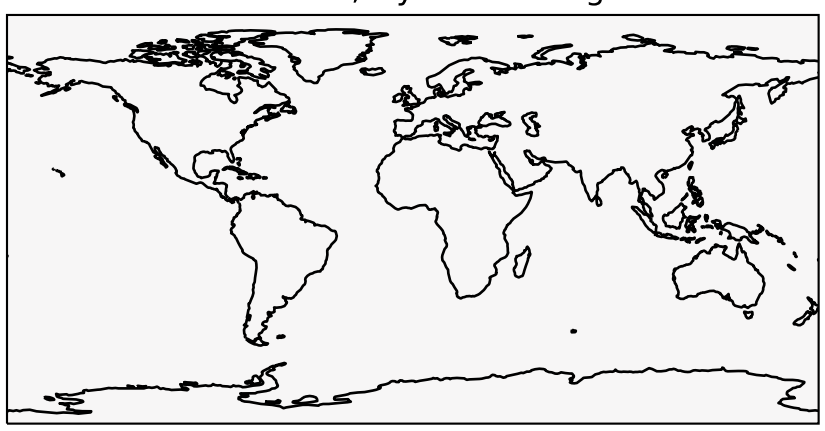


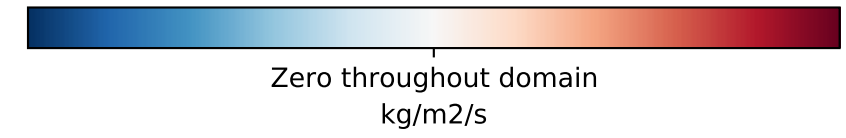
GCC_13.0.0 (Dev)
4.0x5.0



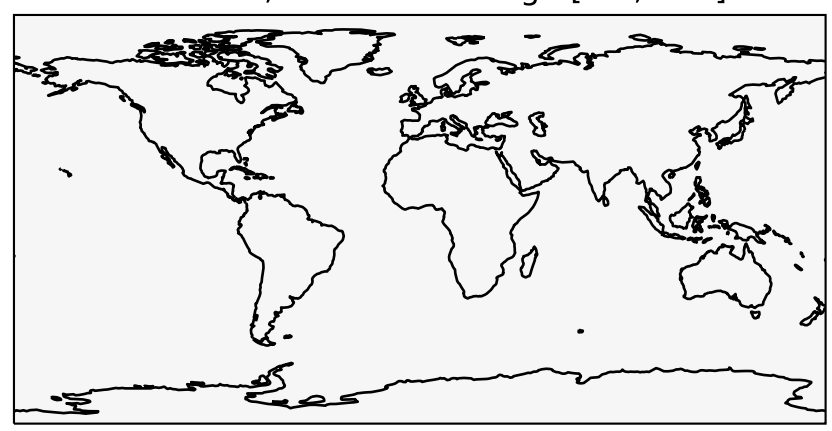


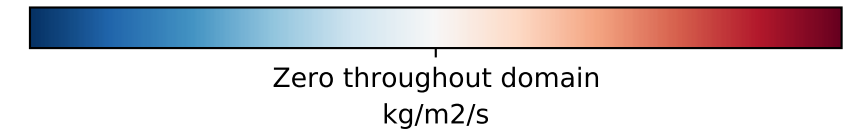
Difference
Dev - Ref, Dynamic Range



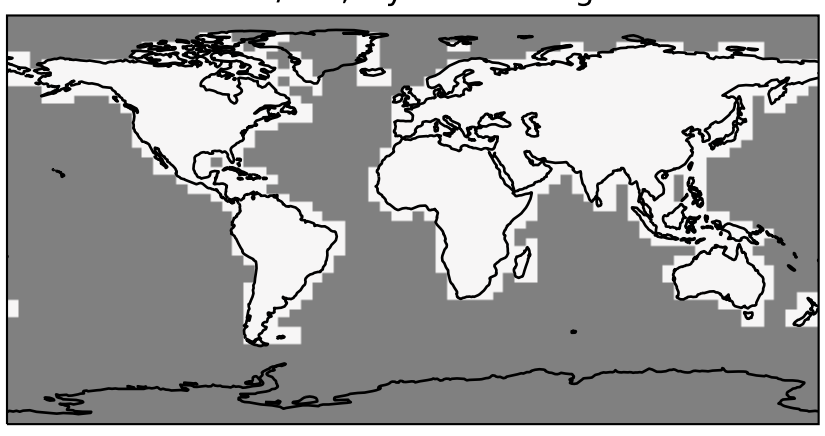


Difference
Dev - Ref, Restricted Range [5%,95%]

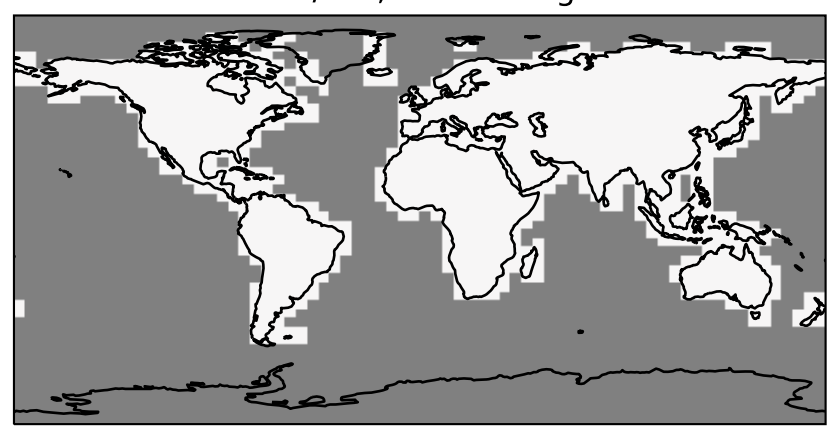


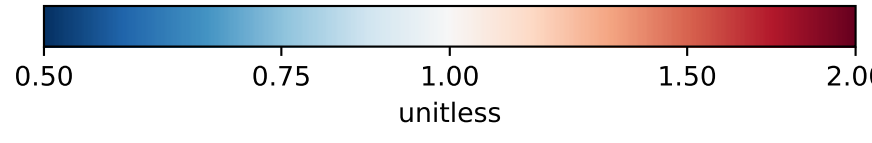


Ratio
Dev/Ref, Dynamic Range



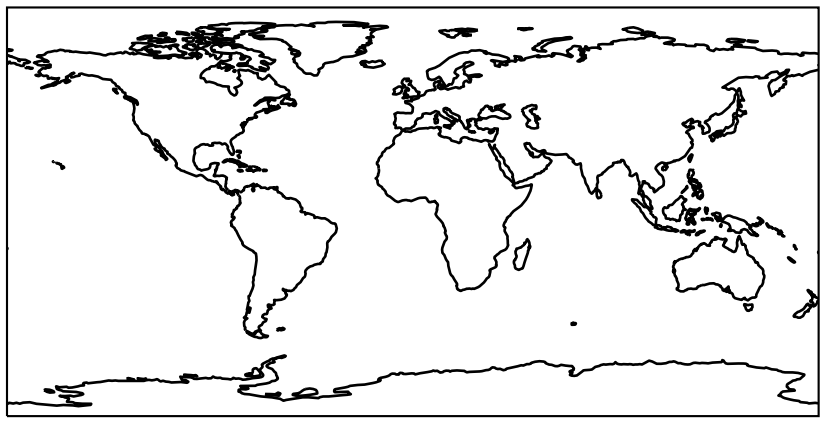
Ratio
Dev/Ref, Fixed Range





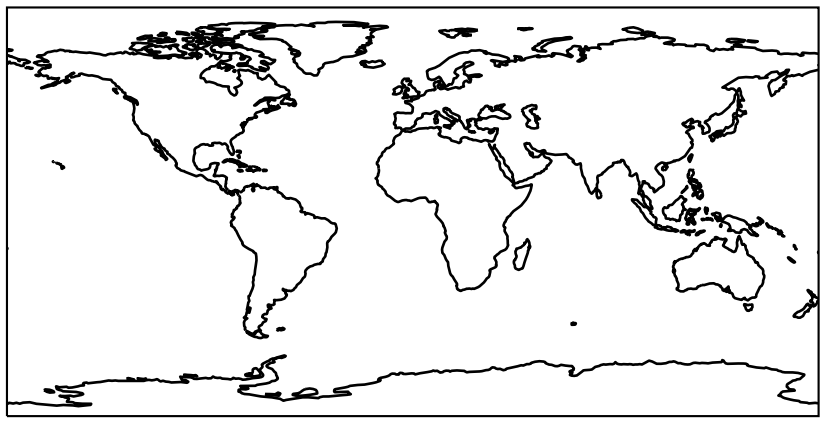
EmisALD2_Ship (Jul2019)

GCC_13.0.0-beta.1 (Ref)
4.0x5.0



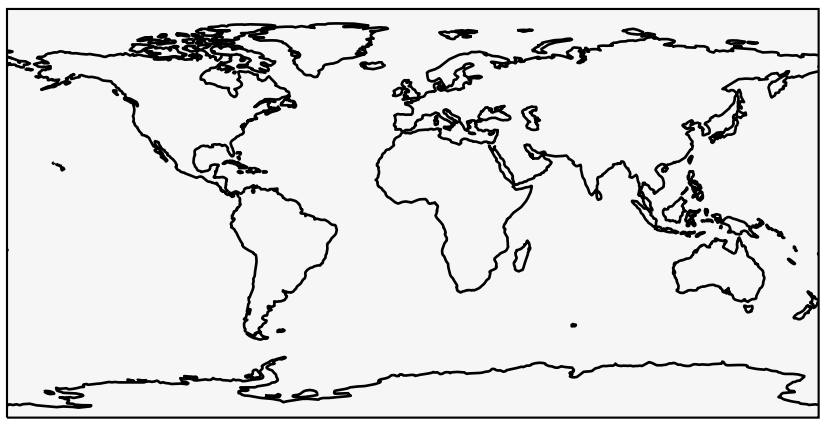
Zero throughout domain
kg/m2/s

GCC_13.0.0 (Dev)
4.0x5.0



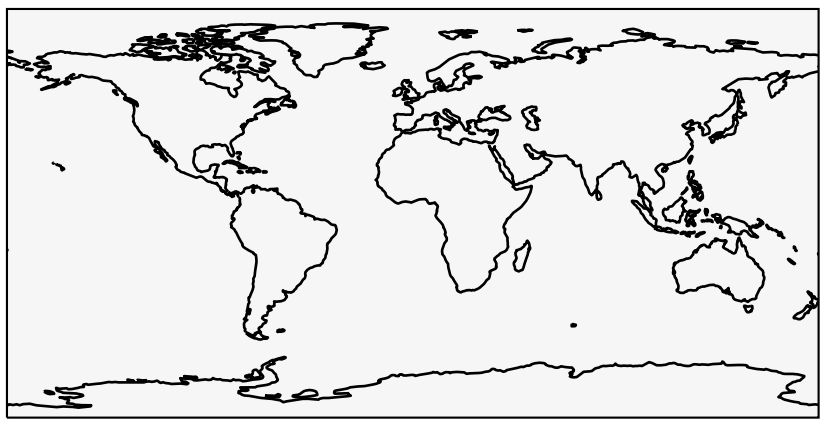
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



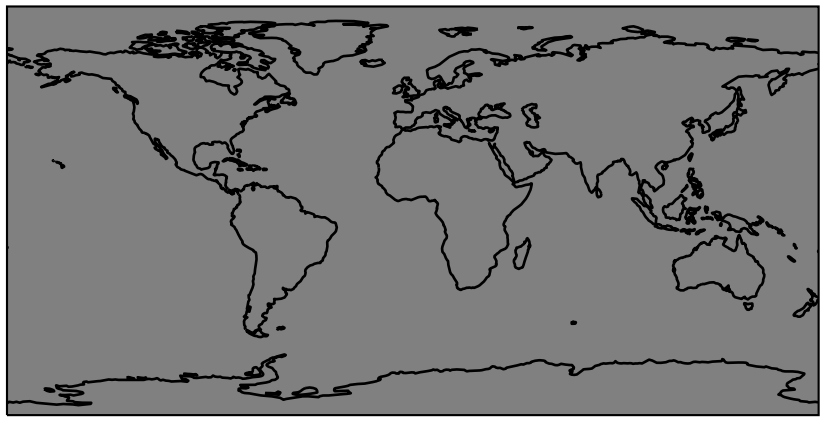
Zero throughout domain
kg/m2/s

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



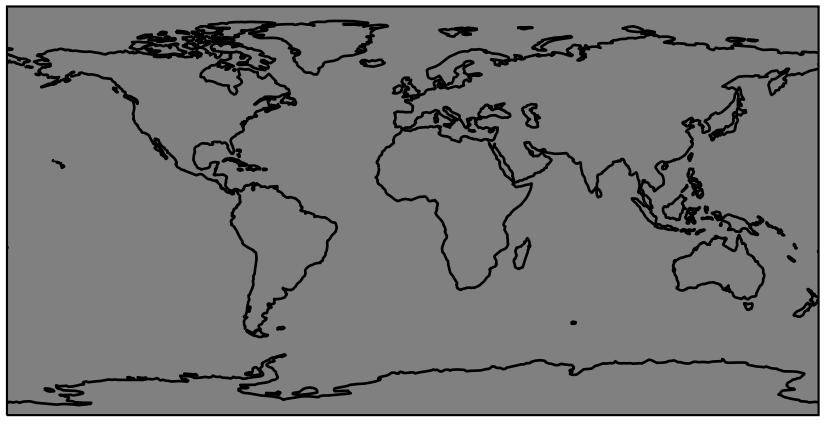
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

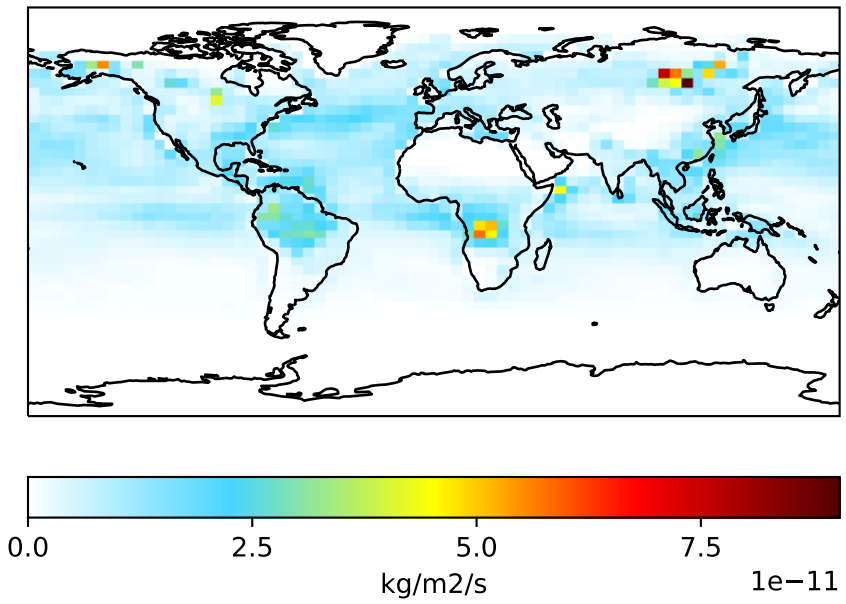
Ratio
Dev/Ref, Fixed Range



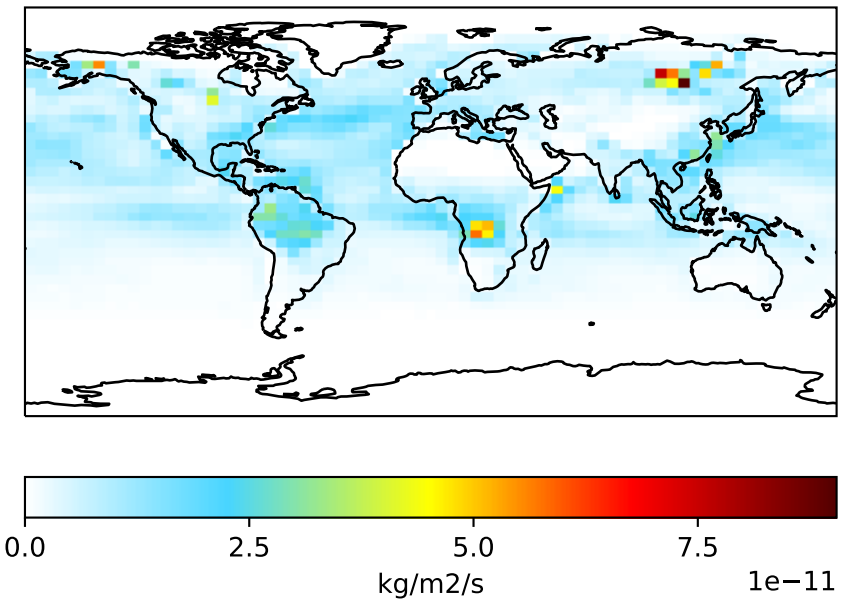
Undefined throughout domain
unitless

EmisALD2_Total (Jul2019)

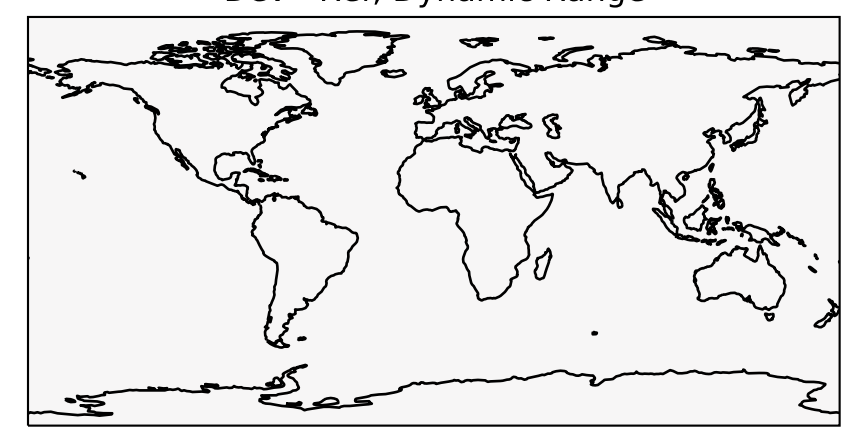
GCC_13.0.0-beta.1 (Ref)
4.0x5.0

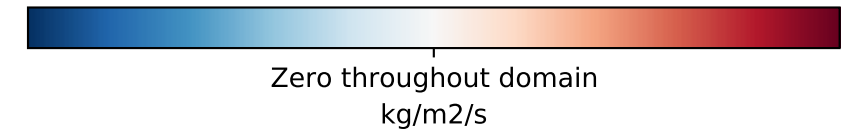


GCC_13.0.0 (Dev)
4.0x5.0

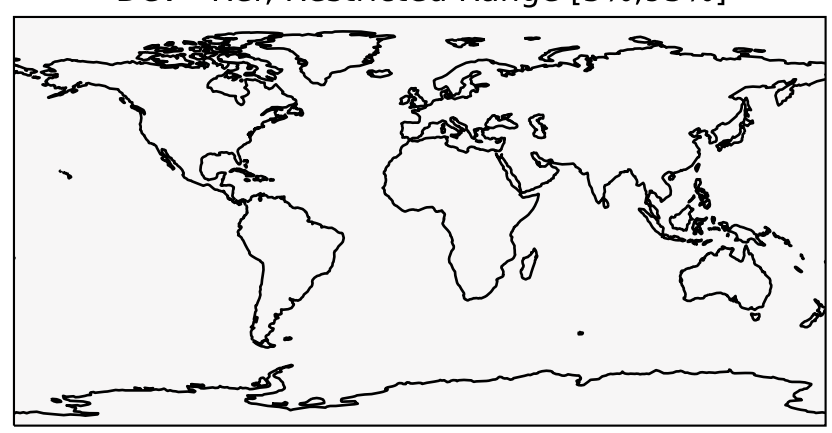


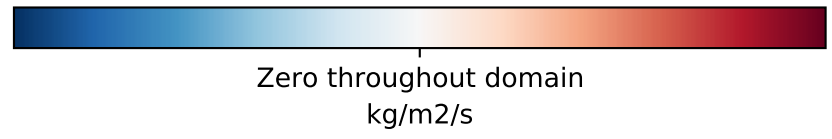
Difference
Dev - Ref, Dynamic Range



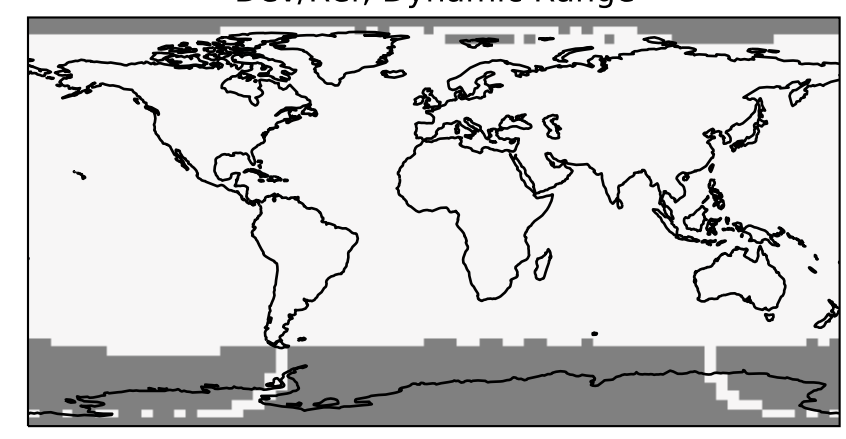


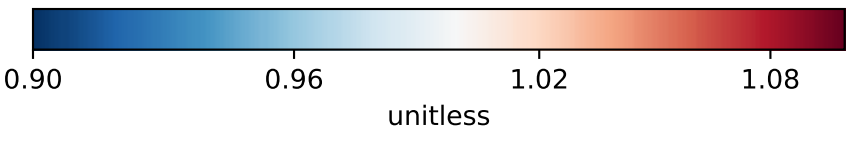
Difference
Dev - Ref, Restricted Range [5%,95%]



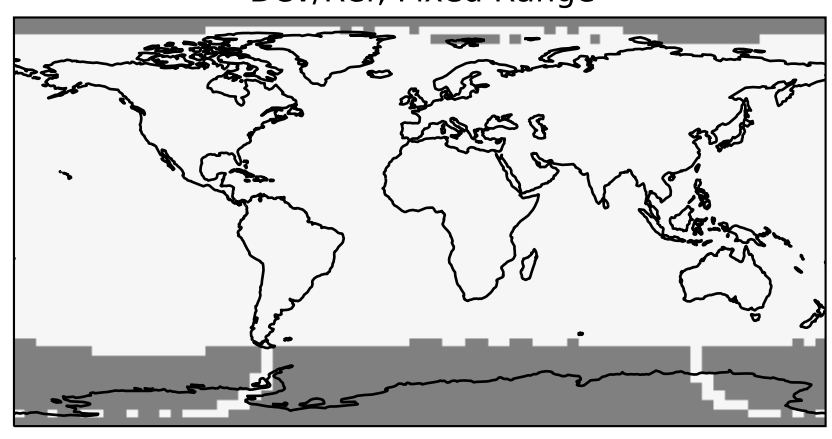


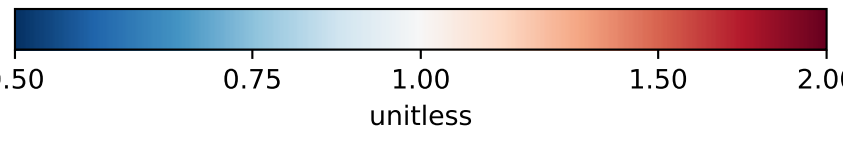
Ratio
Dev/Ref, Dynamic Range





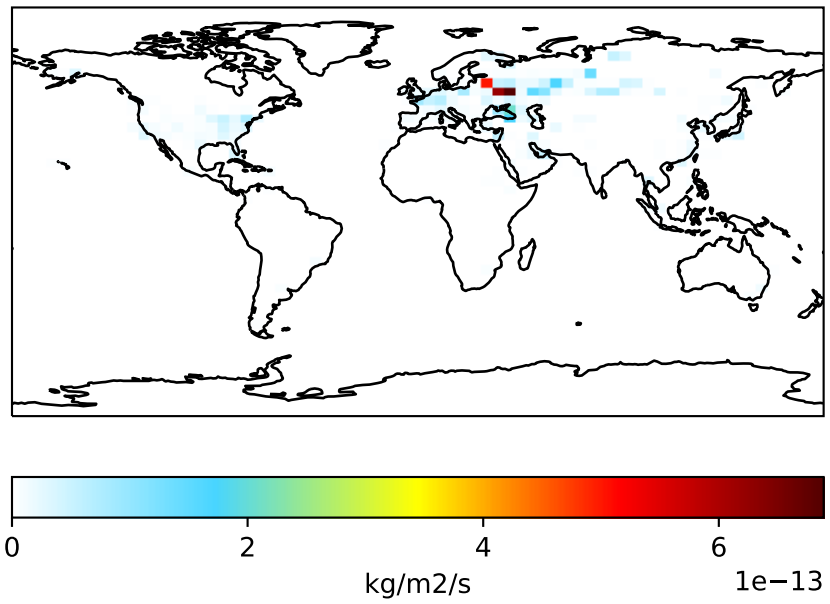
Ratio
Dev/Ref, Fixed Range



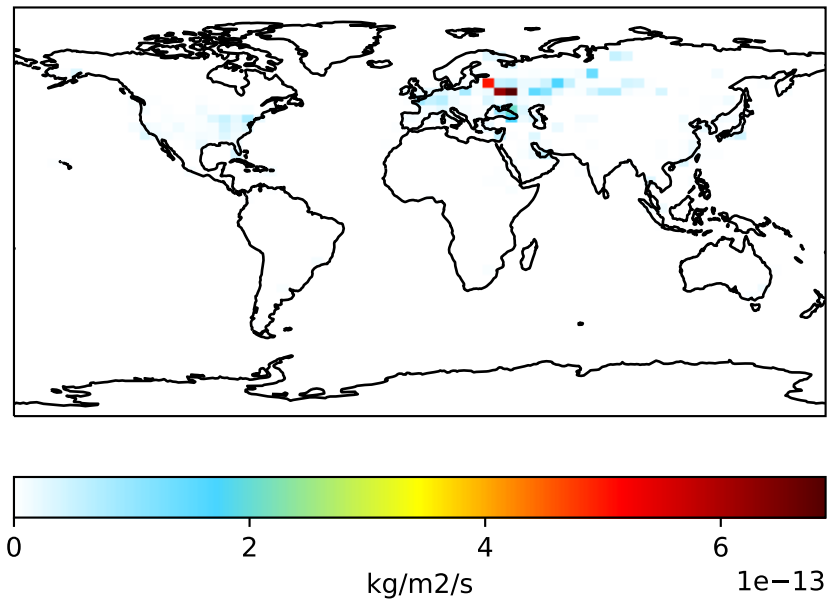


EmisCH2O_Aircraft (Jul2019)

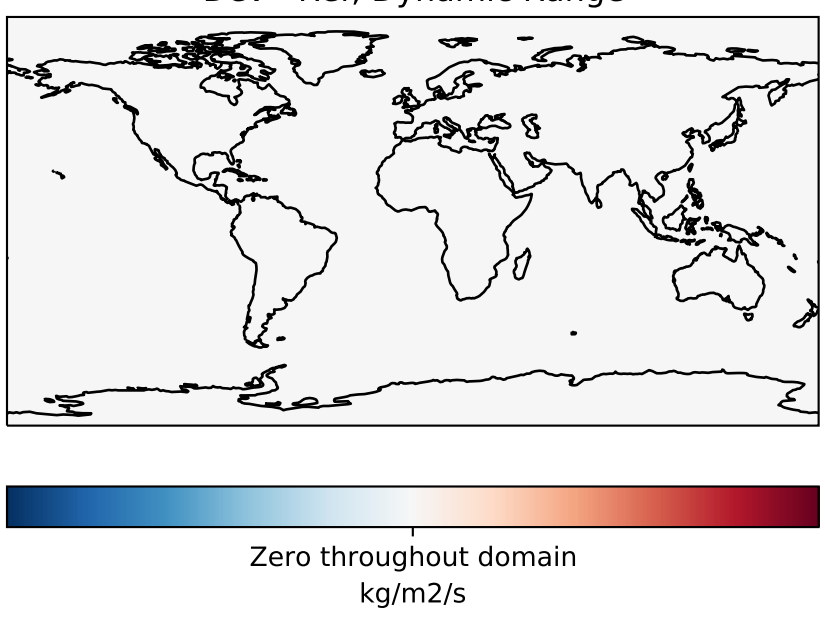
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



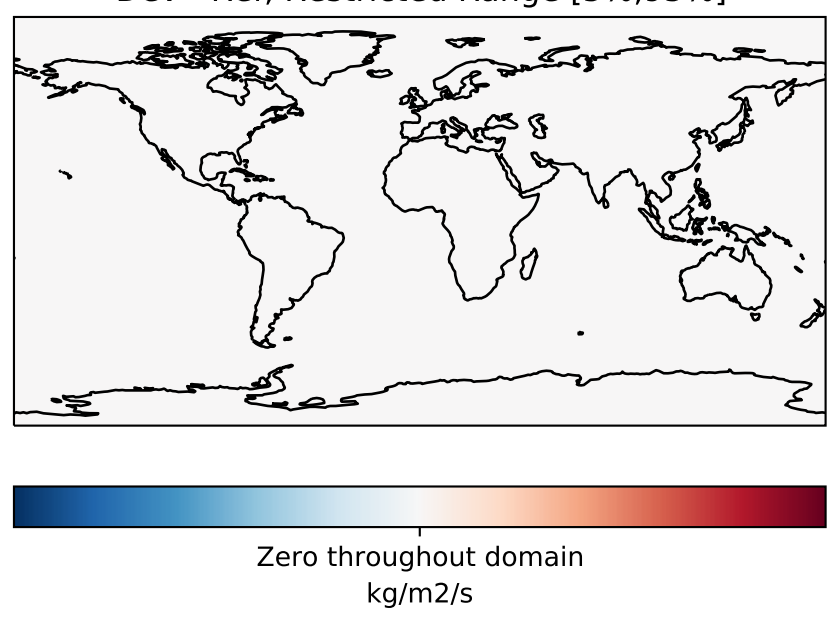
GCC_13.0.0 (Dev)
4.0x5.0



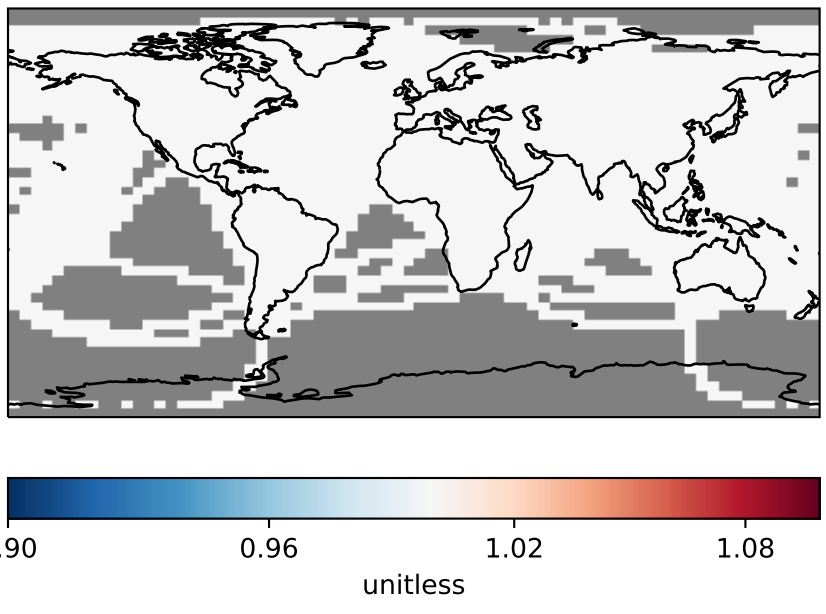
Difference
Dev - Ref, Dynamic Range



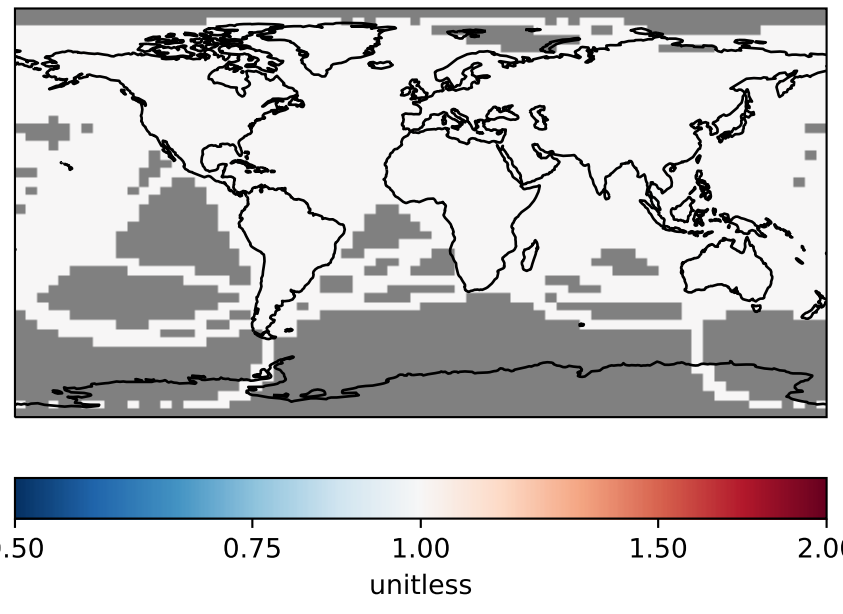
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

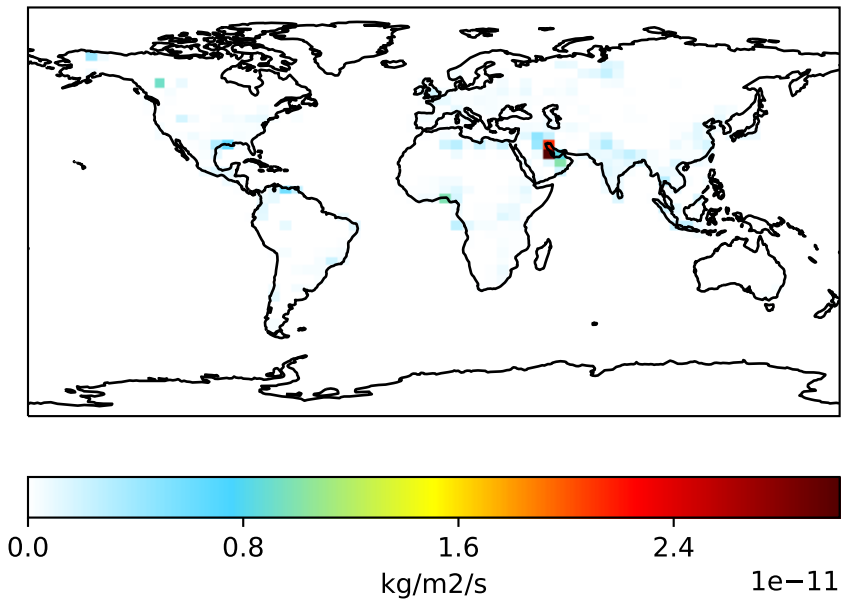


Ratio
Dev/Ref, Fixed Range

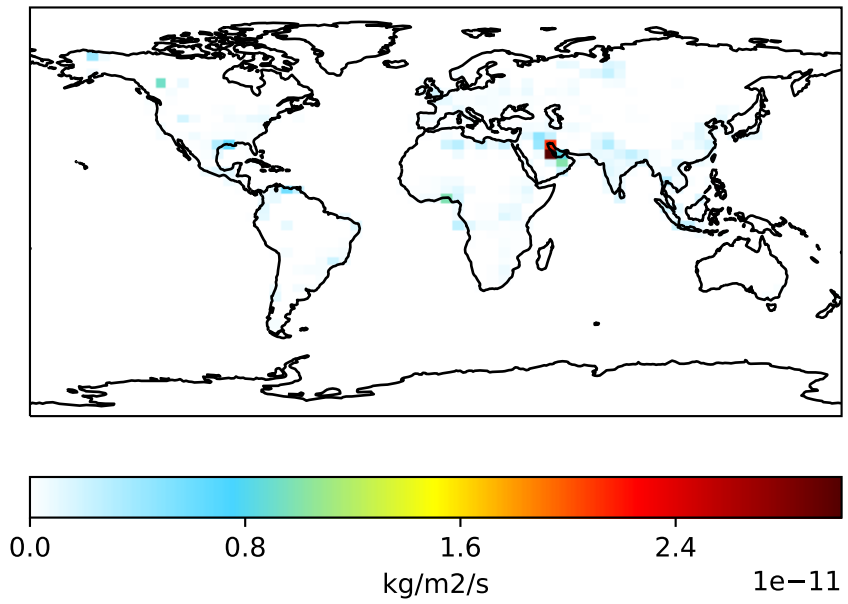


EmisCH2O_Anthro (Jul2019)

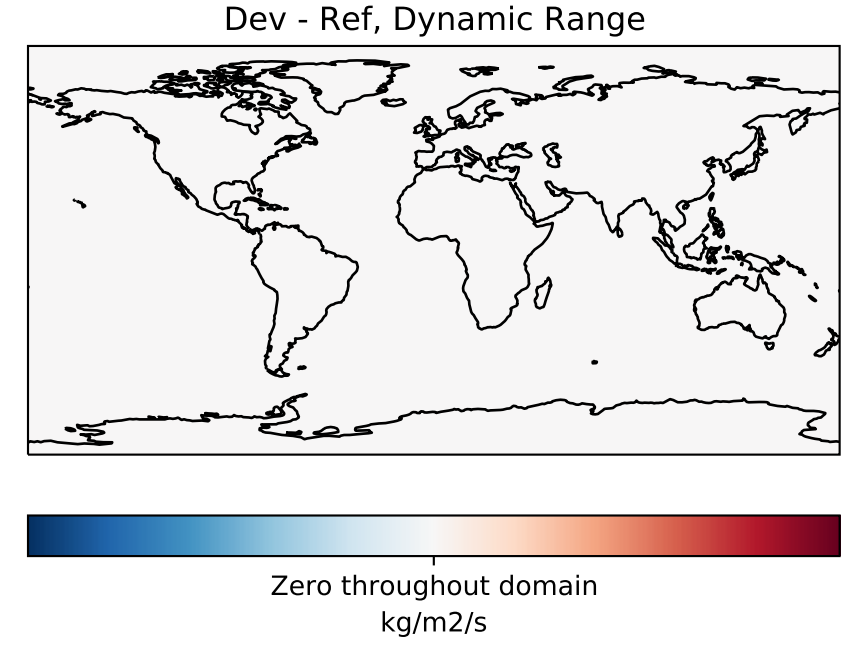
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



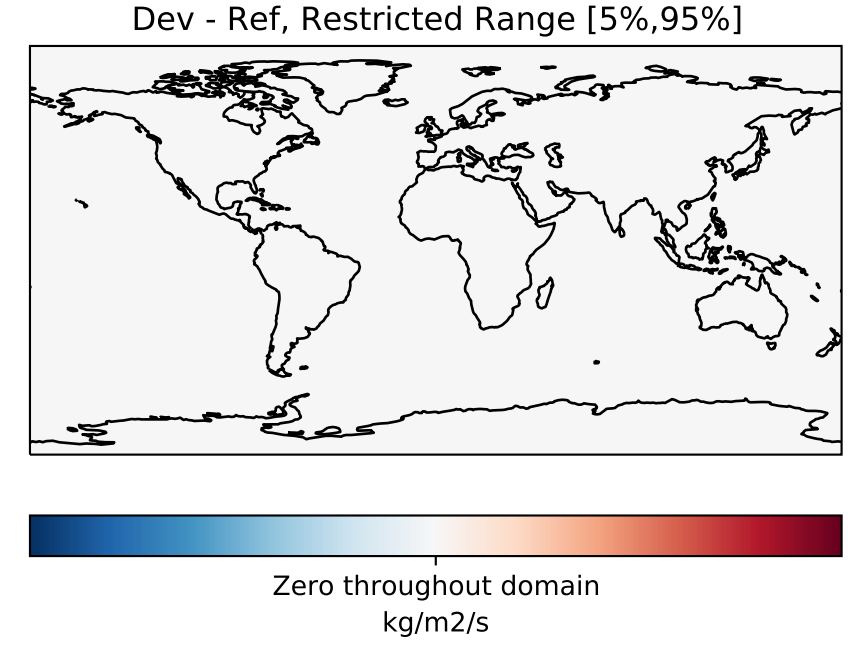
GCC_13.0.0 (Dev)
4.0x5.0



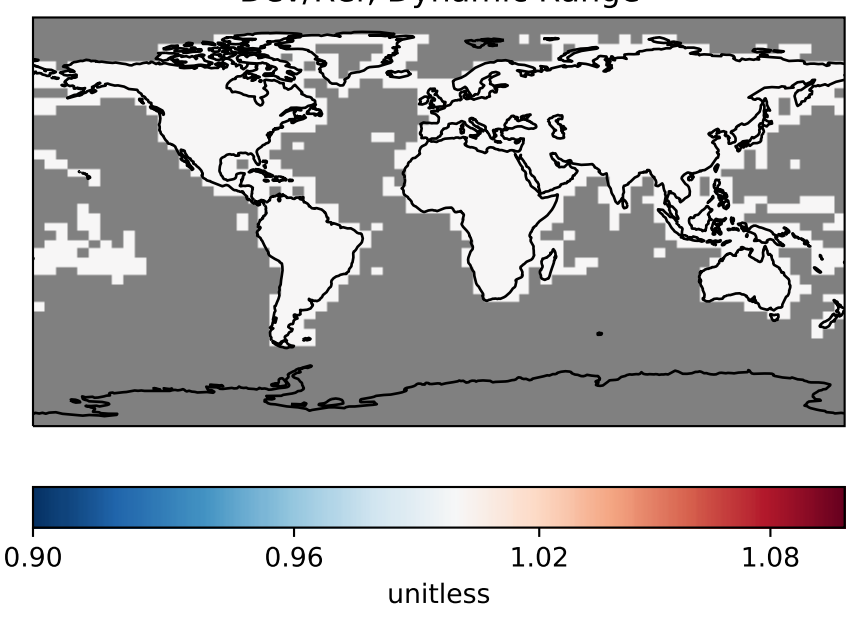
Difference
Dev - Ref, Dynamic Range



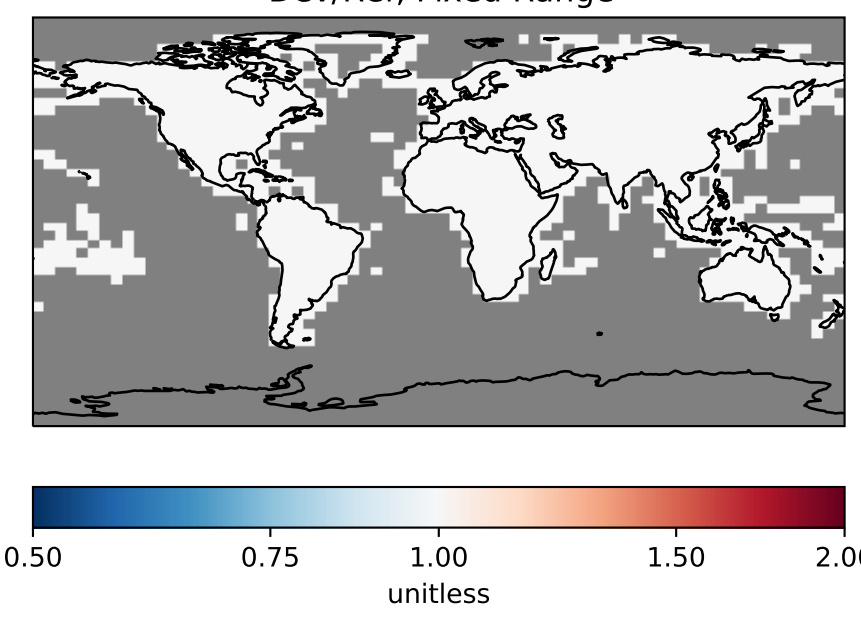
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

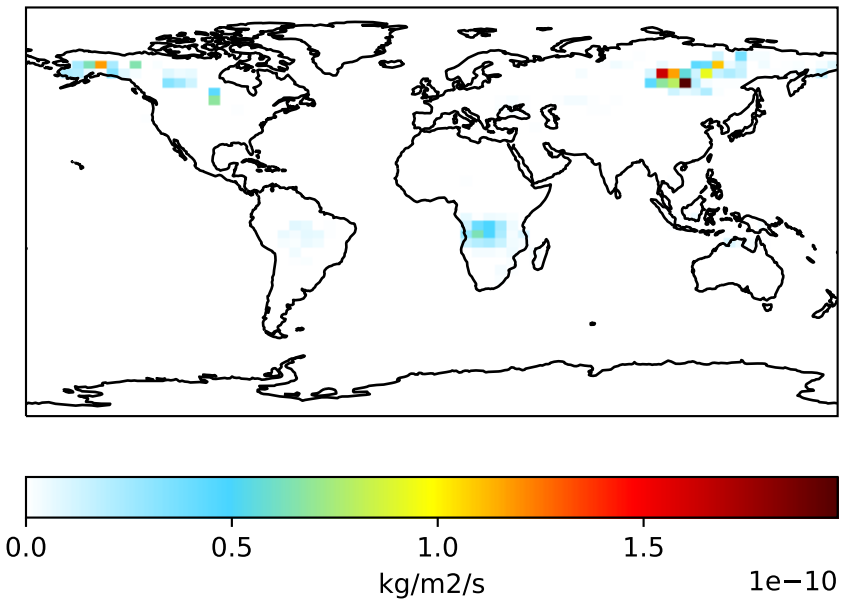


Ratio
Dev/Ref, Fixed Range

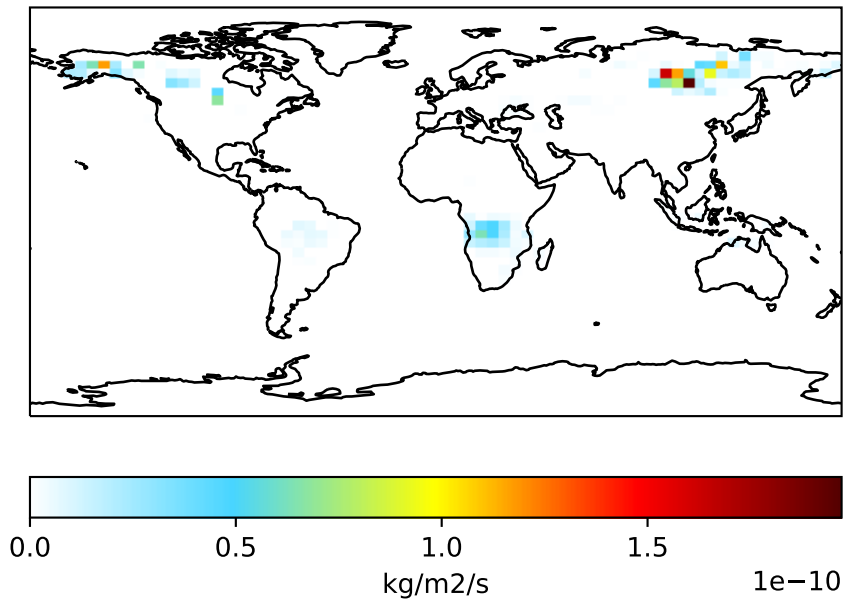


EmisCH2O_BioBurn (Jul2019)

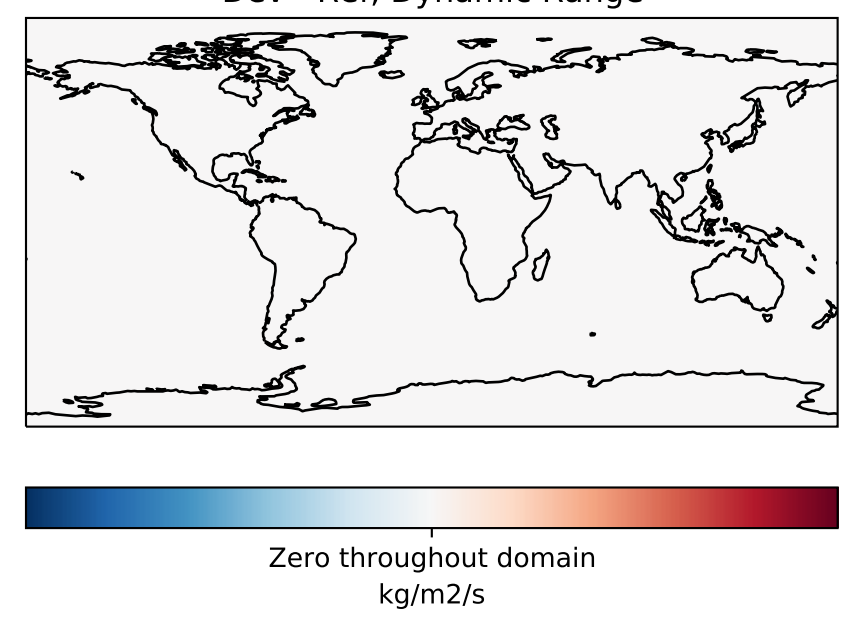
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



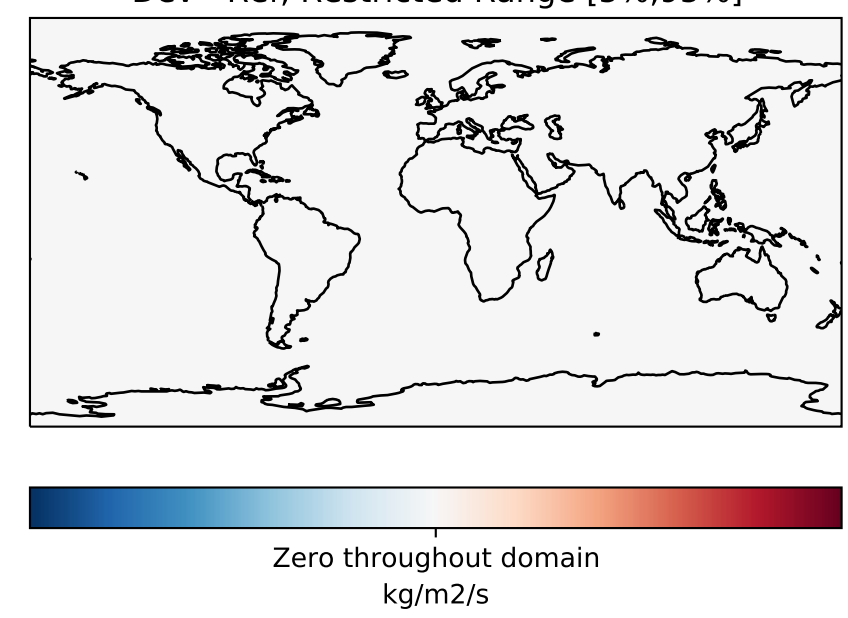
GCC_13.0.0 (Dev)
4.0x5.0



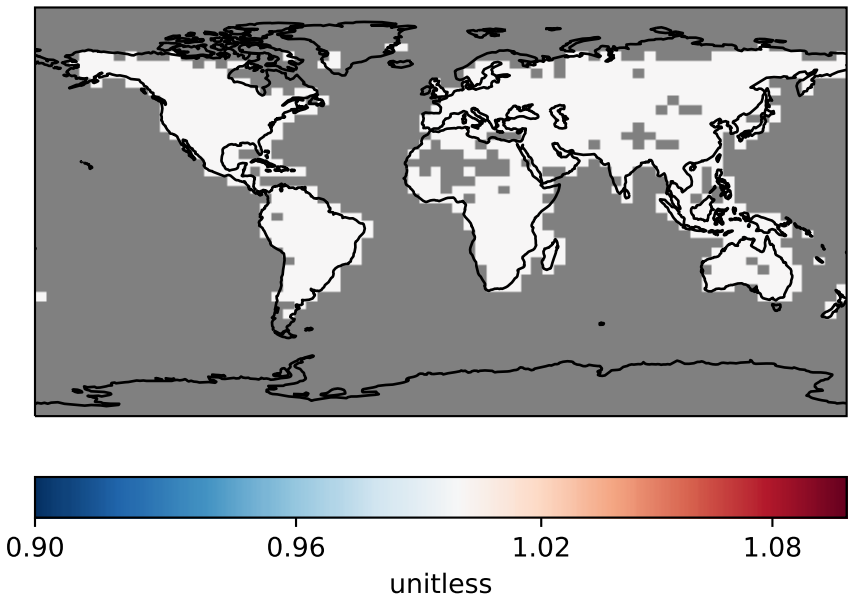
Difference
Dev - Ref, Dynamic Range



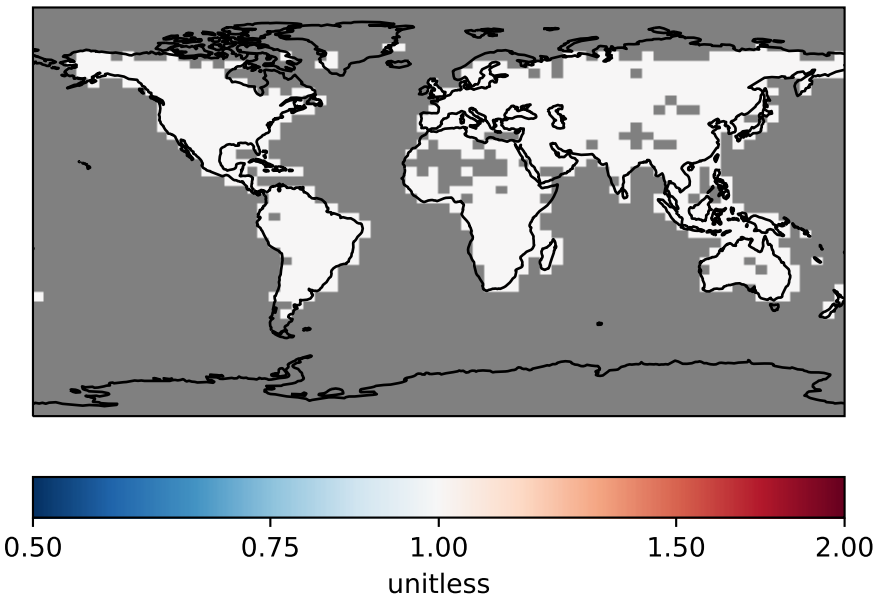
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

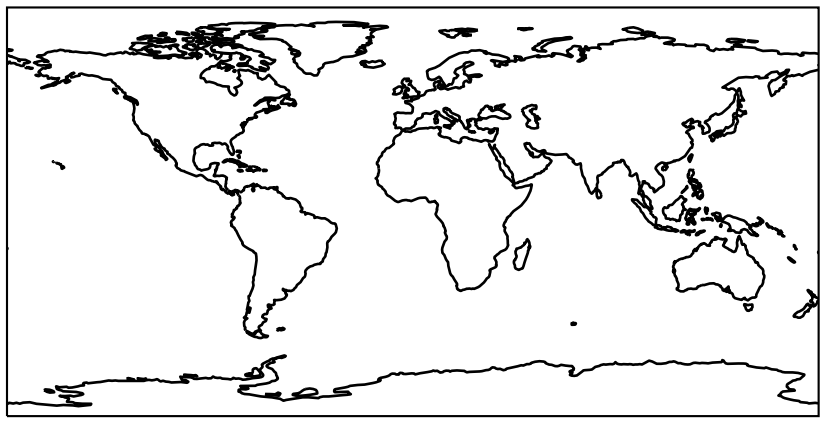


Ratio
Dev/Ref, Fixed Range



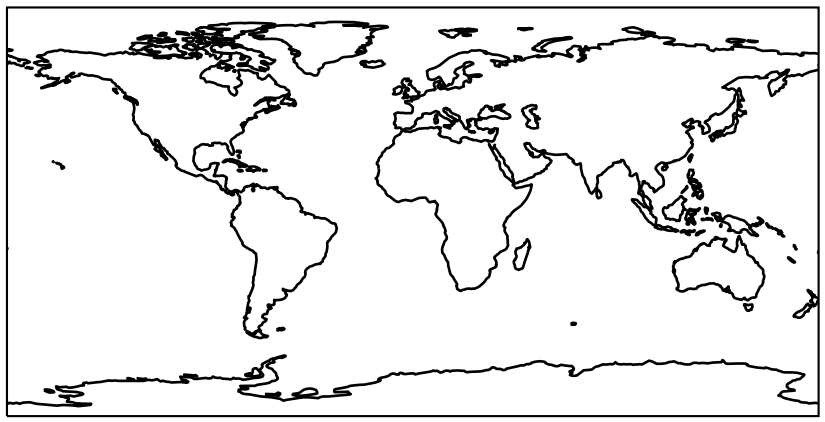
EmisCH2O_Ship (Jul2019)

GCC_13.0.0-beta.1 (Ref)
4.0x5.0



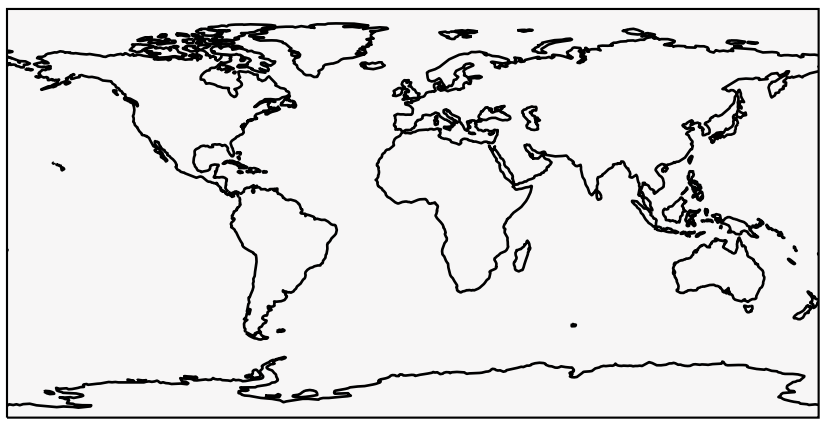
Zero throughout domain
kg/m2/s

GCC_13.0.0 (Dev)
4.0x5.0



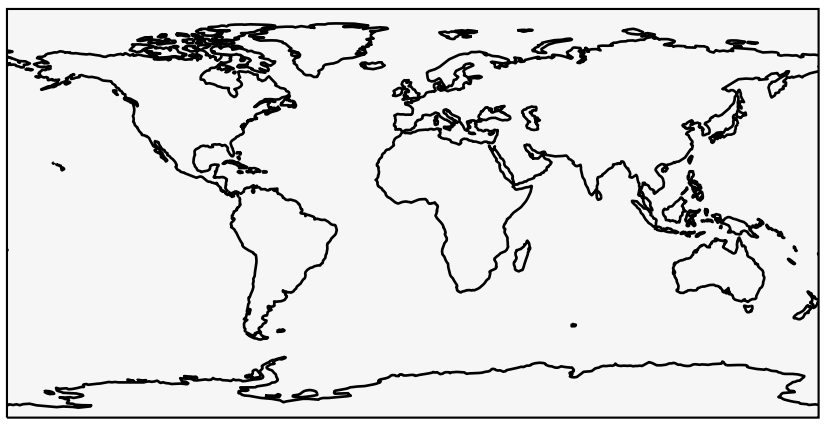
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



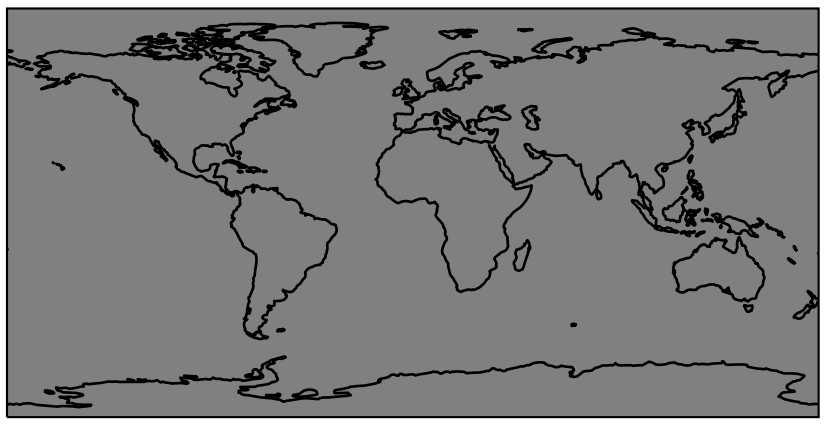
Zero throughout domain
kg/m2/s

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



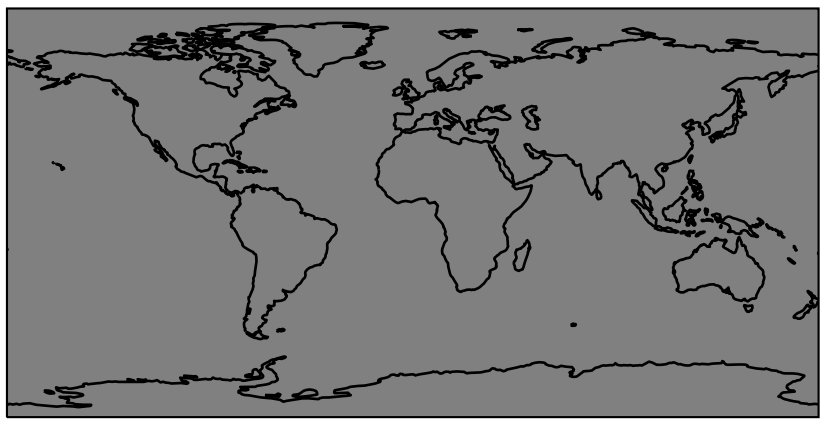
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

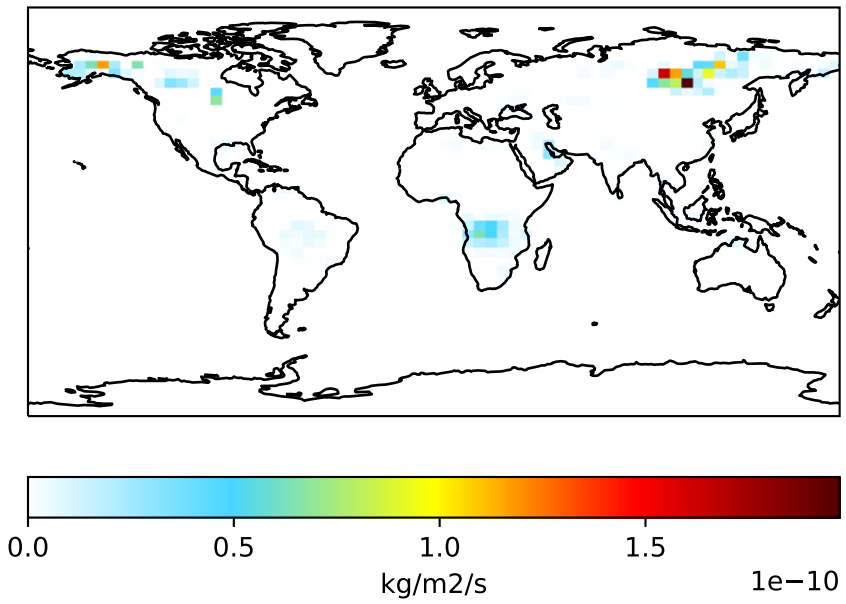
Ratio
Dev/Ref, Fixed Range



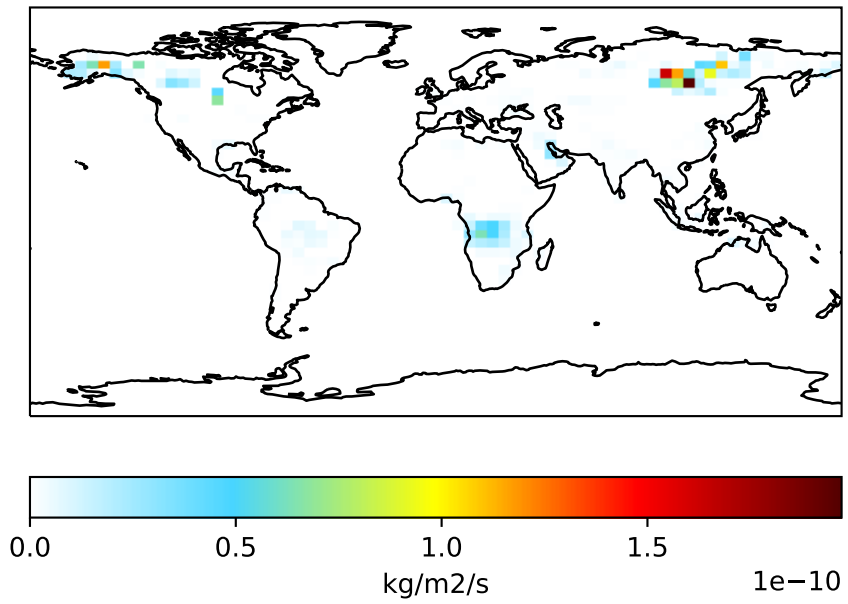
Undefined throughout domain
unitless

EmisCH2O_Total (Jul2019)

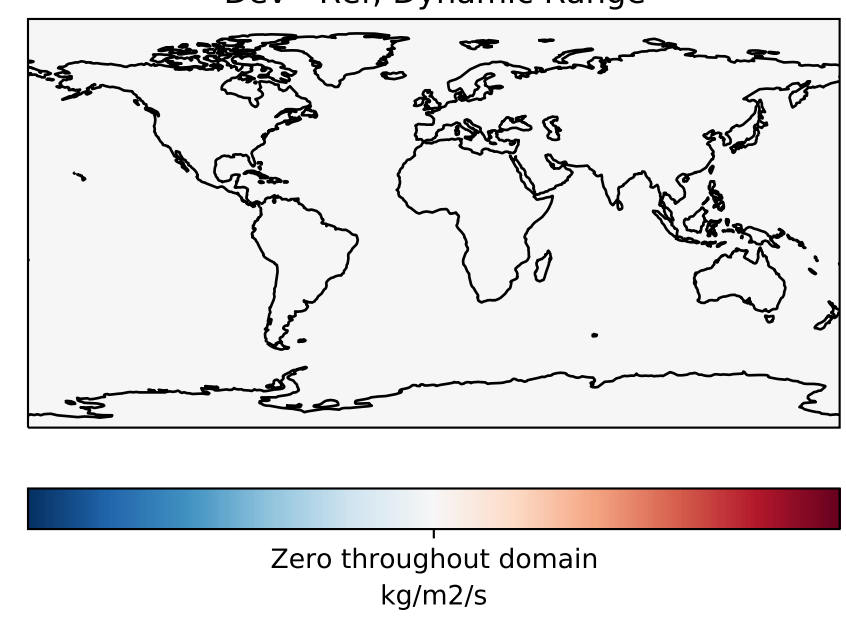
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



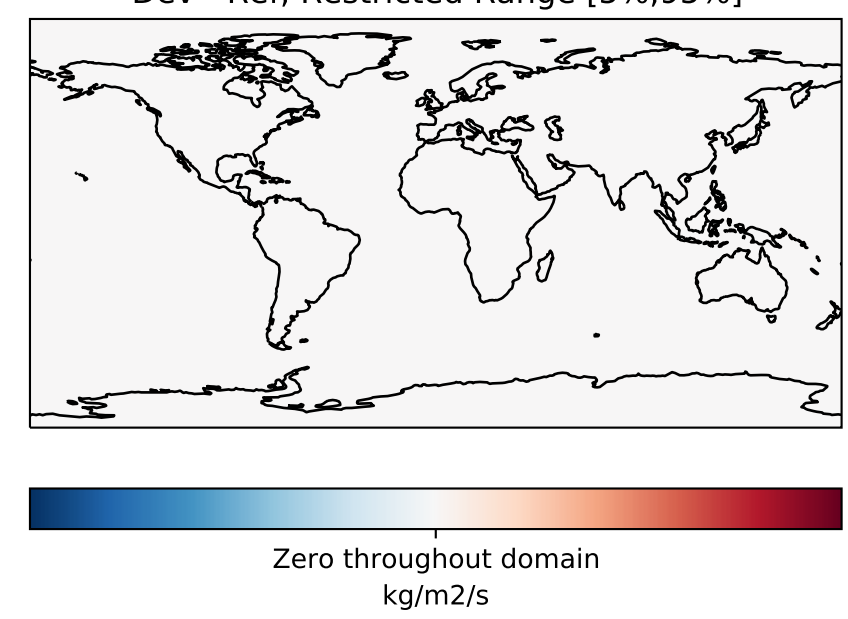
GCC_13.0.0 (Dev)
4.0x5.0



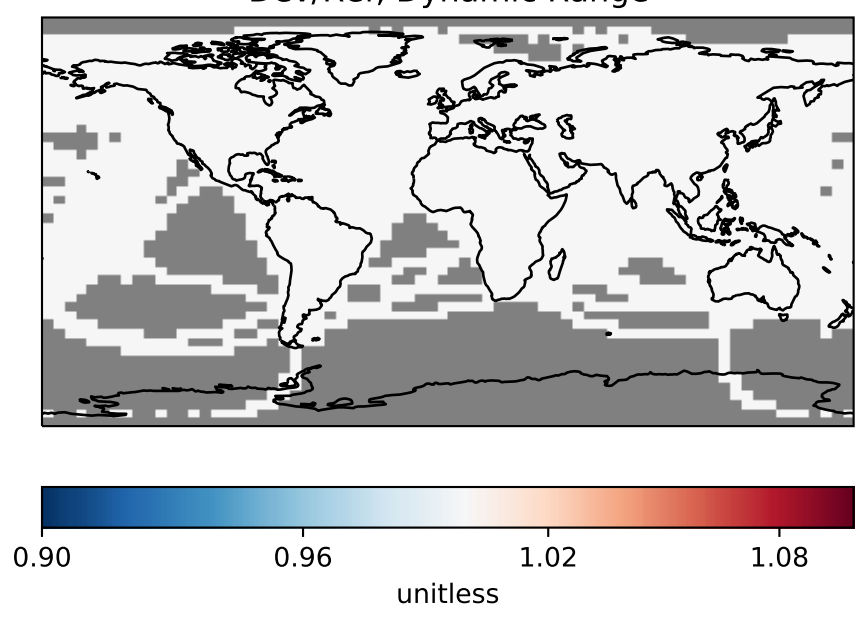
Difference
Dev - Ref, Dynamic Range



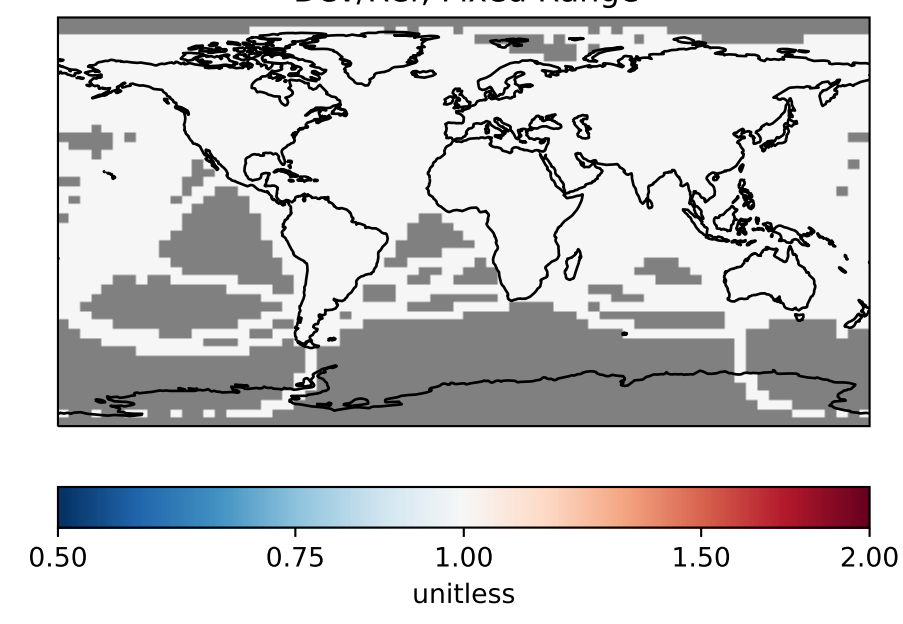
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

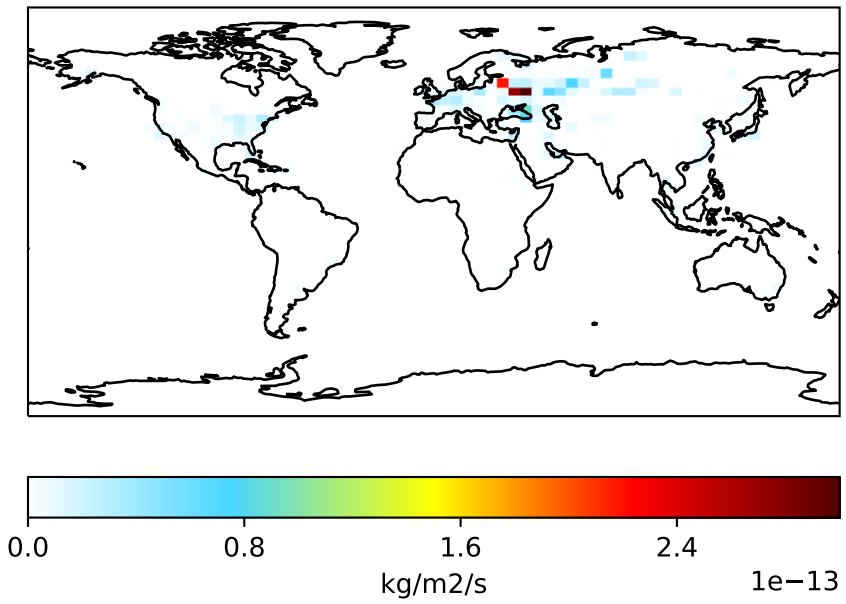


Ratio
Dev/Ref, Fixed Range

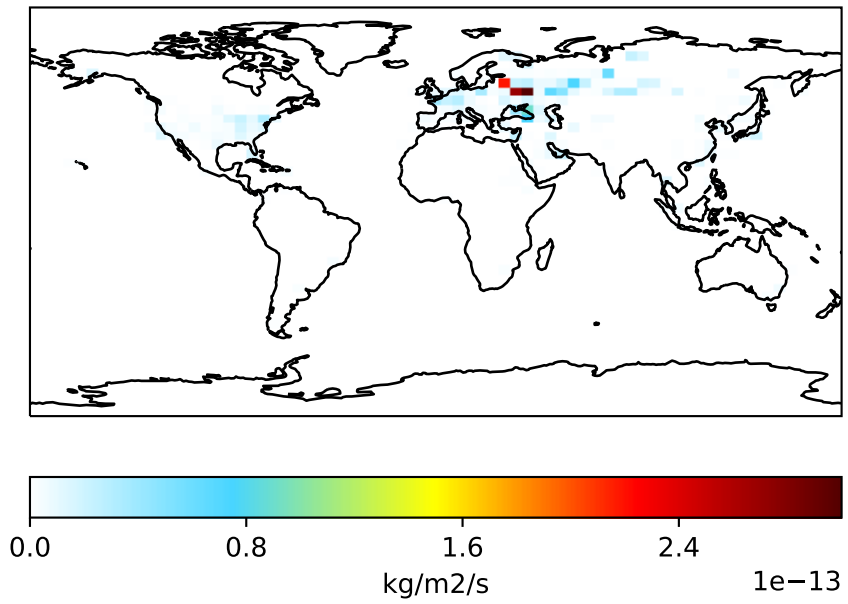


EmisMACR_Aircraft (Jul2019)

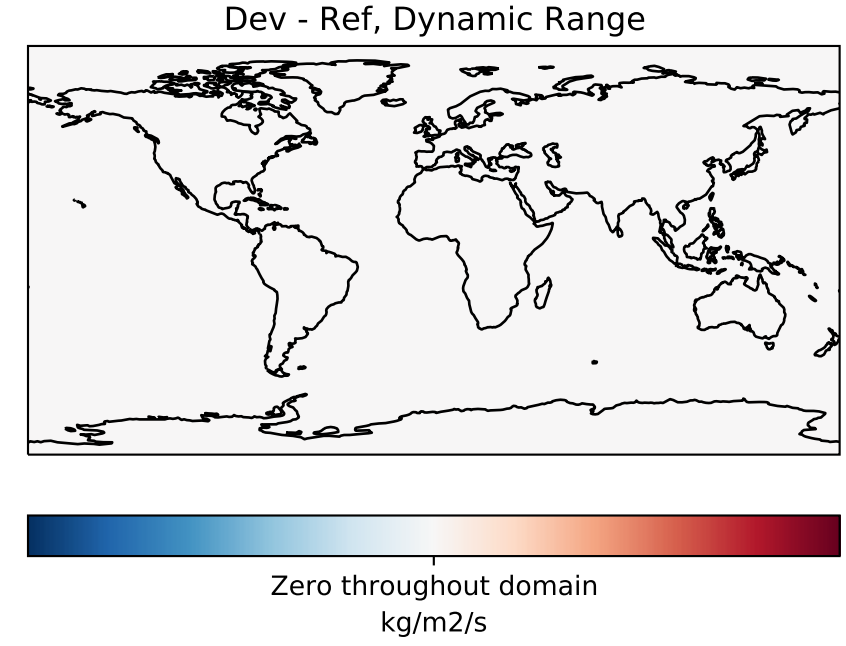
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



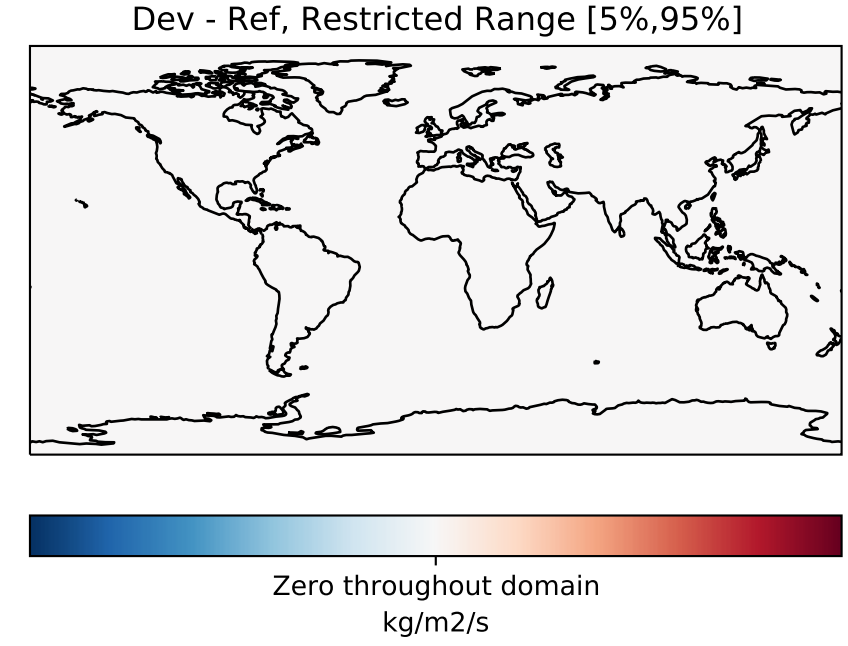
GCC_13.0.0 (Dev)
4.0x5.0



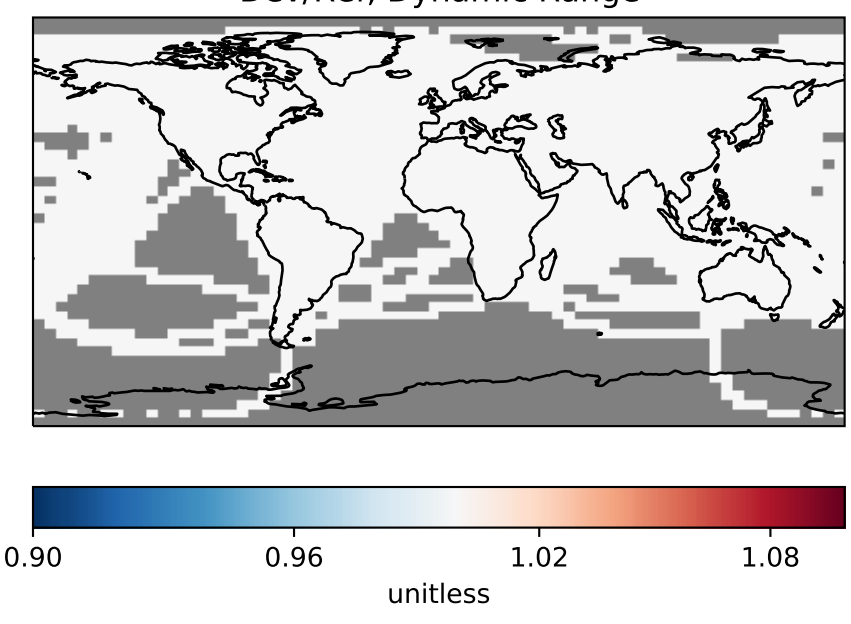
Difference
Dev - Ref, Dynamic Range



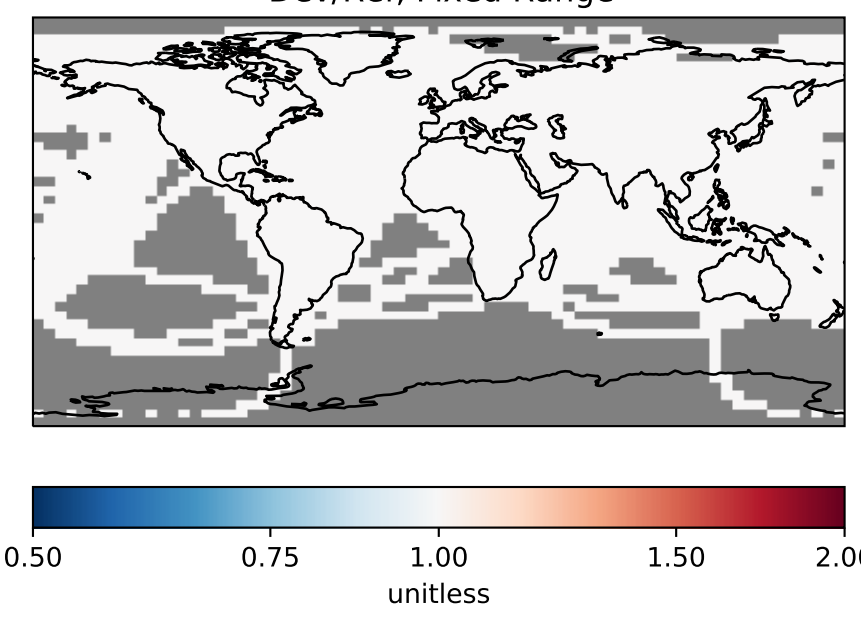
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

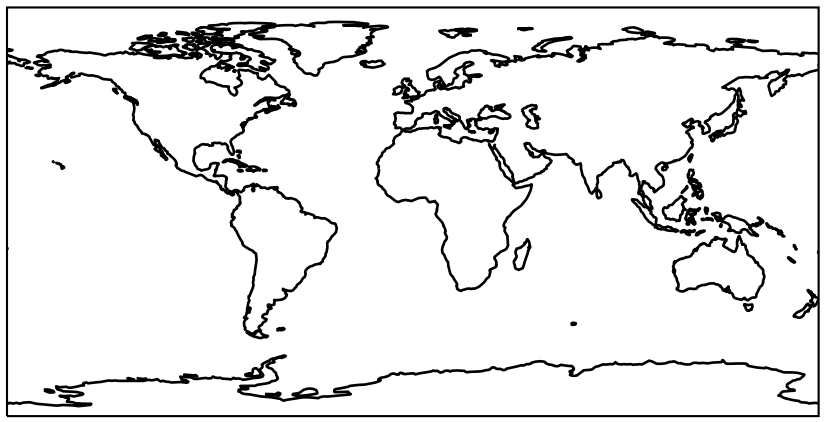


Ratio
Dev/Ref, Fixed Range



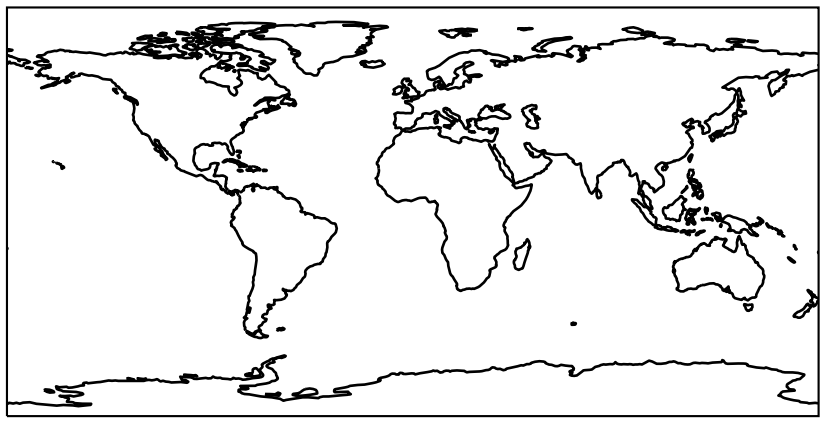
EmisMACR_Anthro (Jul2019)

GCC_13.0.0-beta.1 (Ref)
4.0x5.0



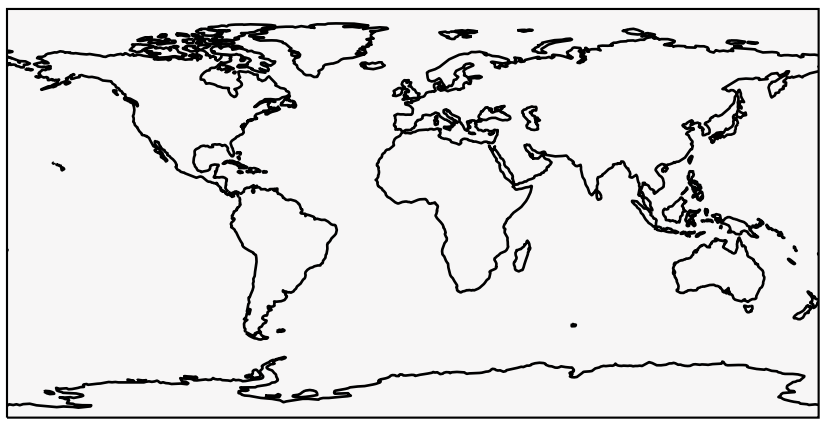
Zero throughout domain
kg/m2/s

GCC_13.0.0 (Dev)
4.0x5.0



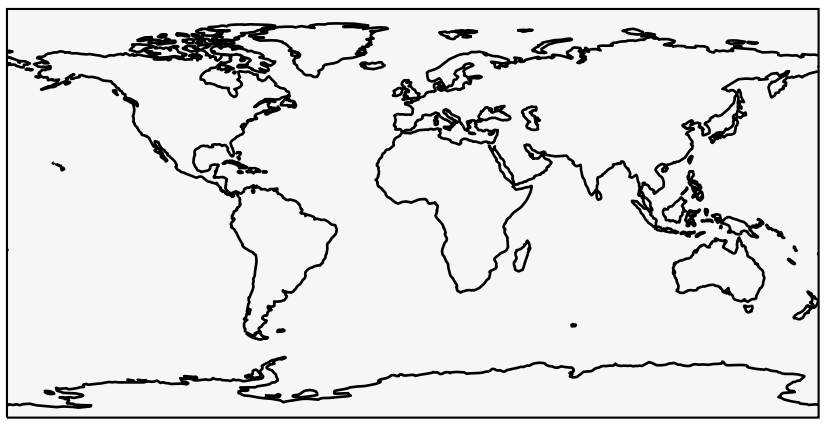
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



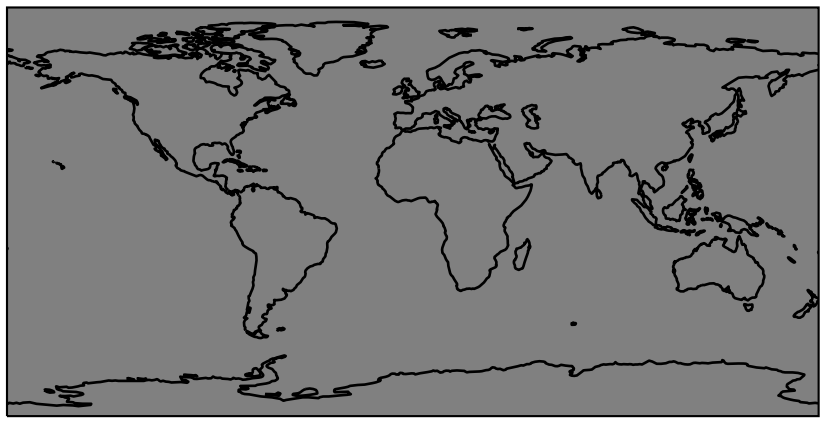
Zero throughout domain
kg/m2/s

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



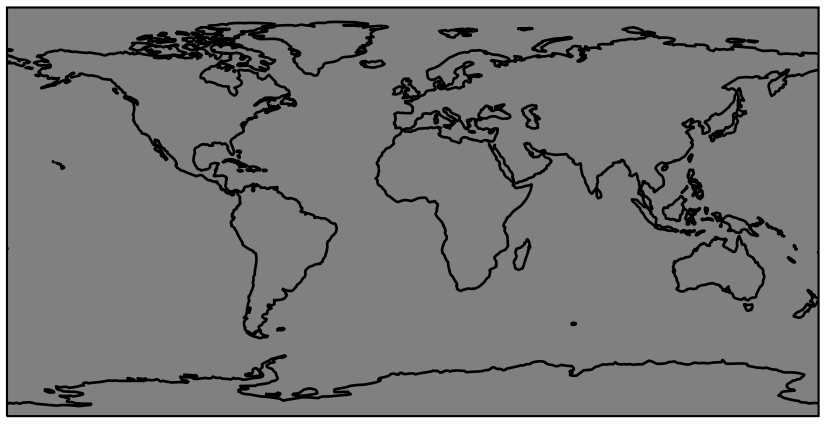
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

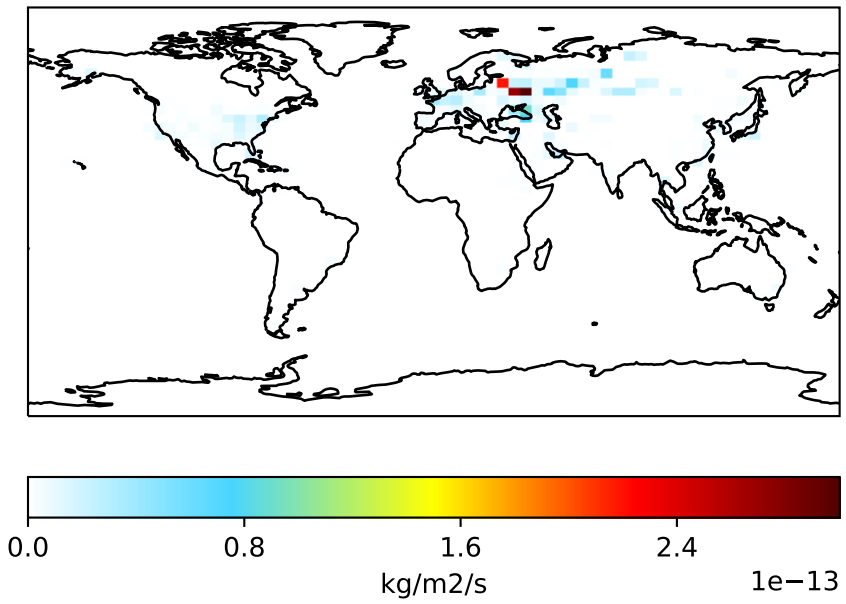
Ratio
Dev/Ref, Fixed Range



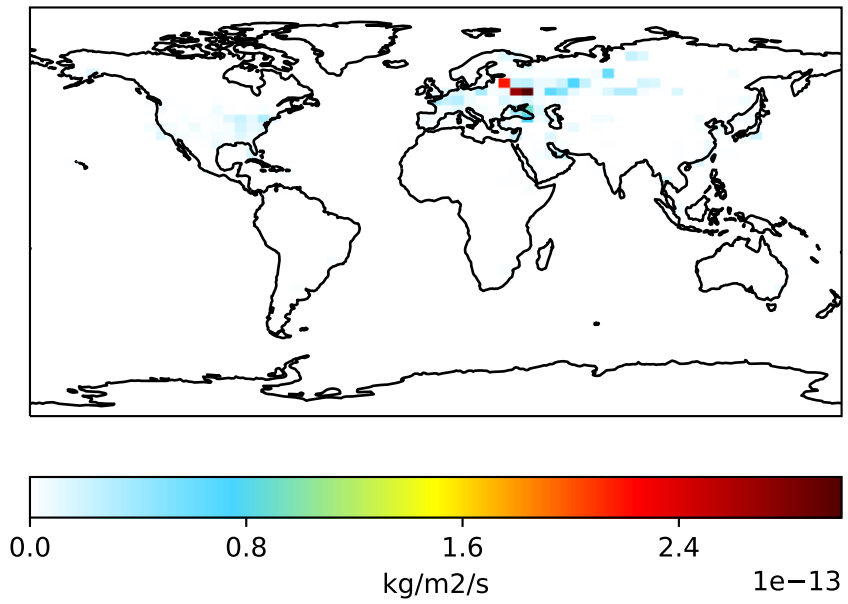
Undefined throughout domain
unitless

EmisMACR_Total (Jul2019)

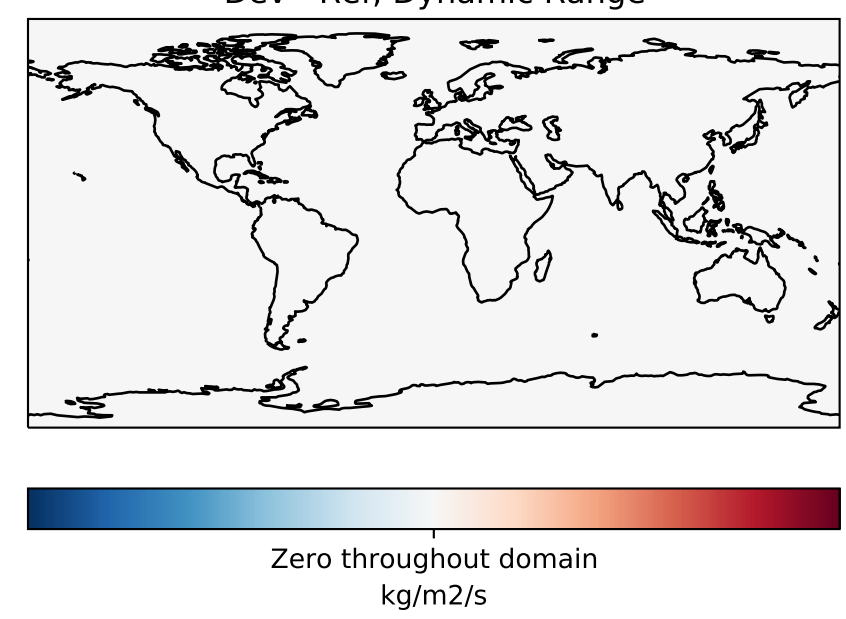
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



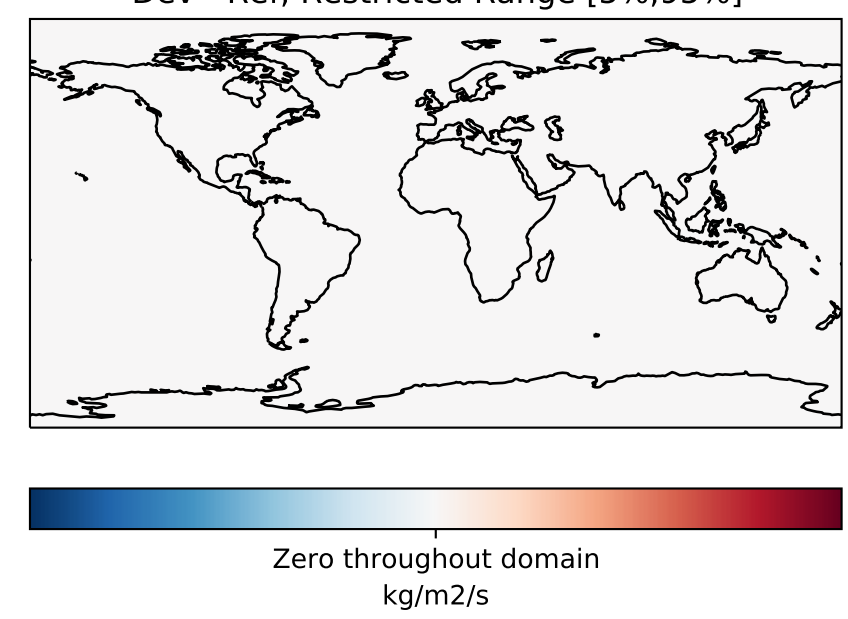
GCC_13.0.0 (Dev)
4.0x5.0



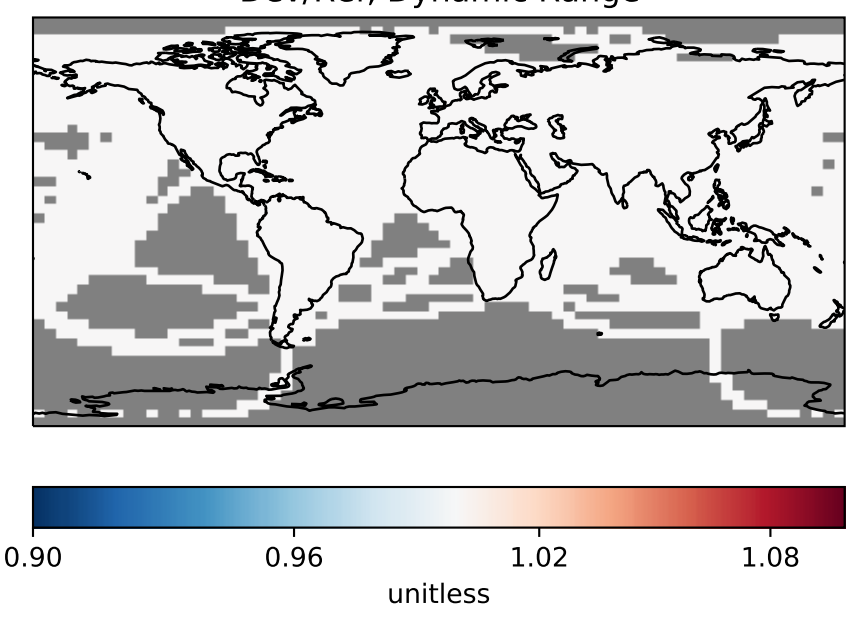
Difference
Dev - Ref, Dynamic Range



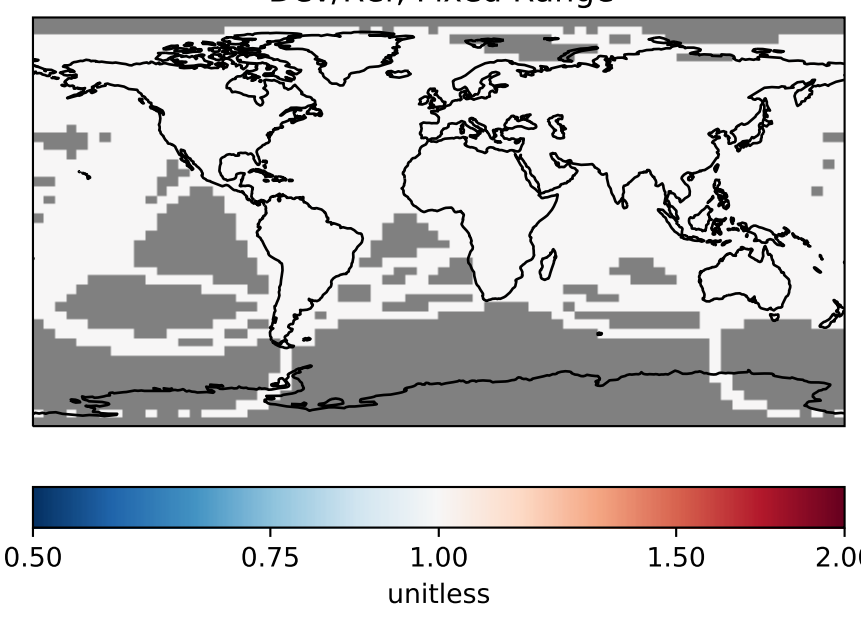
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

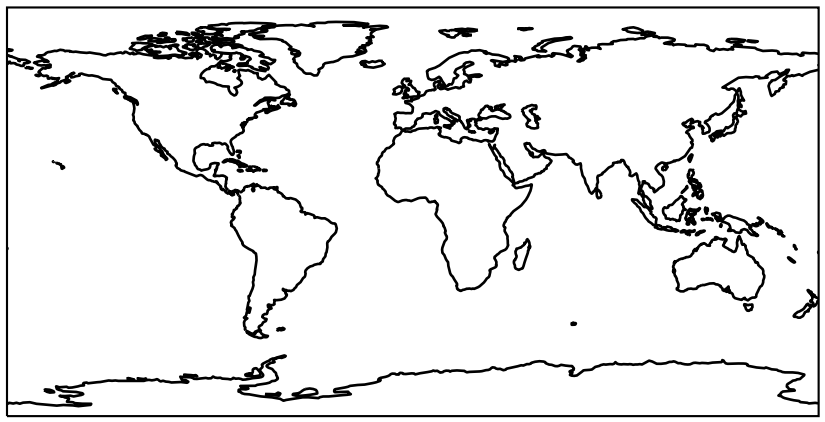


Ratio
Dev/Ref, Fixed Range



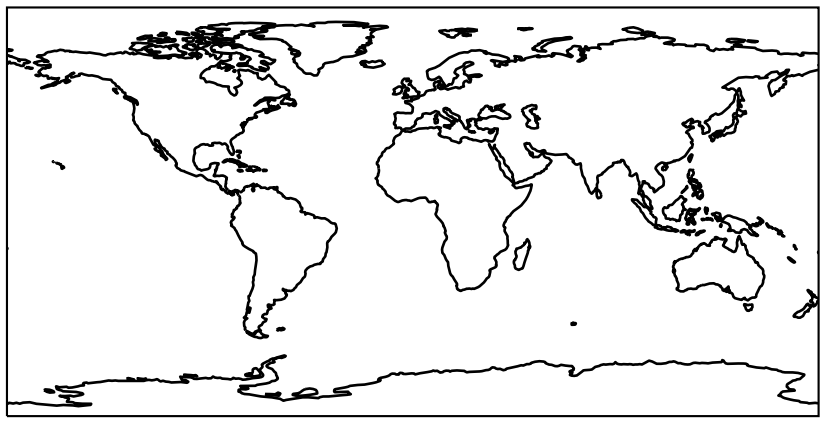
EmisACET_Anthro (Jul2019)

GCC_13.0.0-beta.1 (Ref)
4.0x5.0



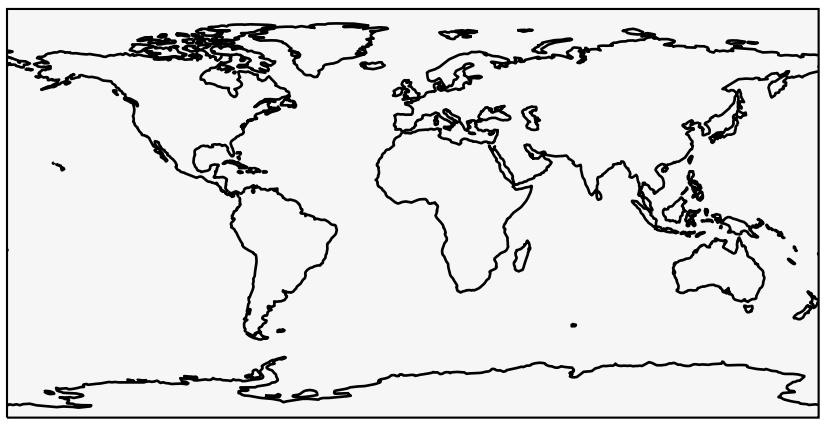
Zero throughout domain
kg/m2/s

GCC_13.0.0 (Dev)
4.0x5.0



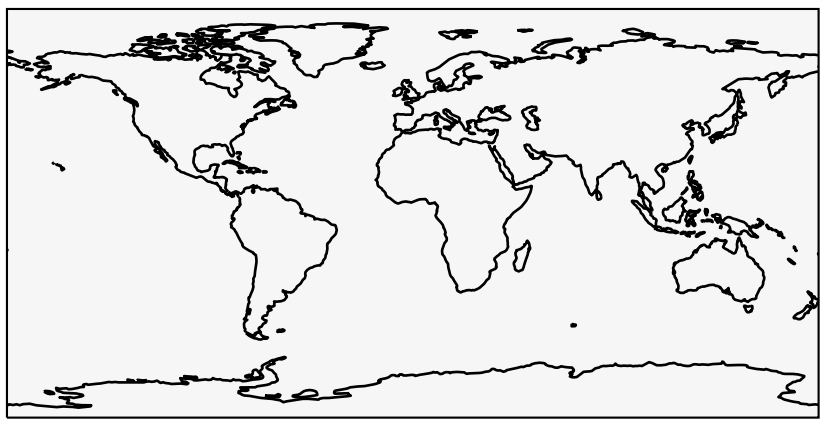
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



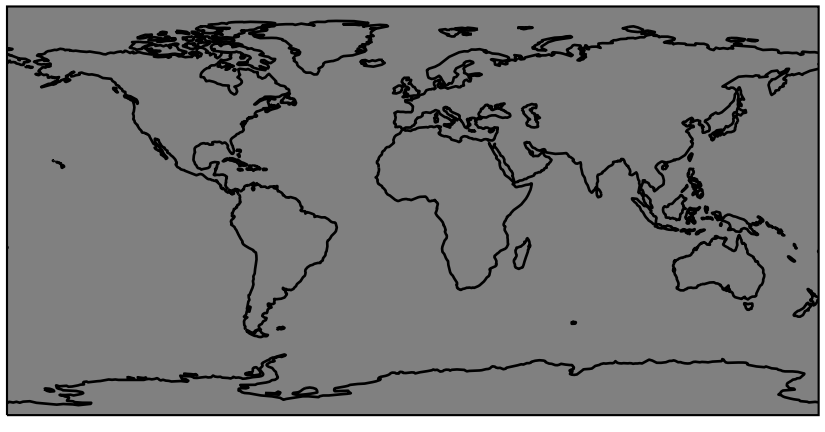
Zero throughout domain
kg/m2/s

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



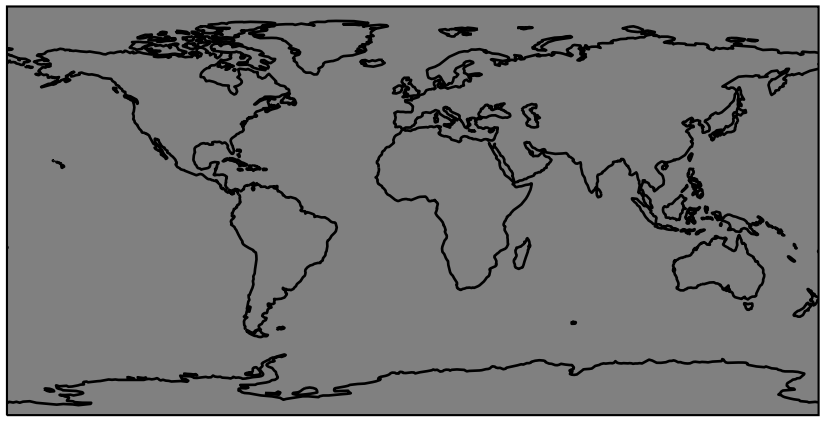
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

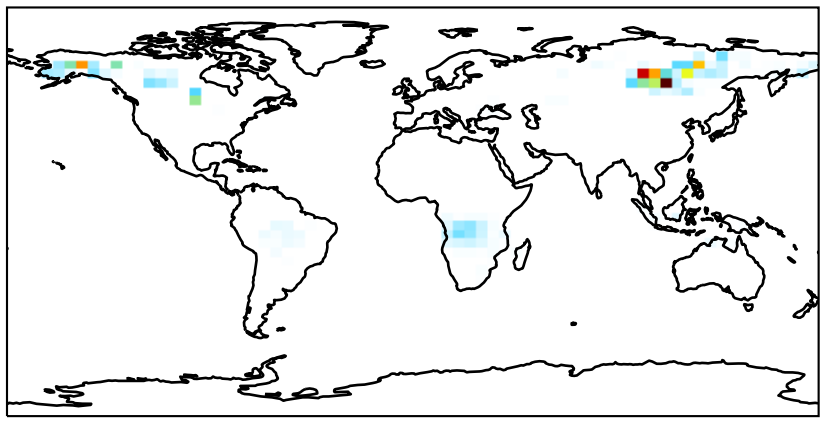
Ratio
Dev/Ref, Fixed Range

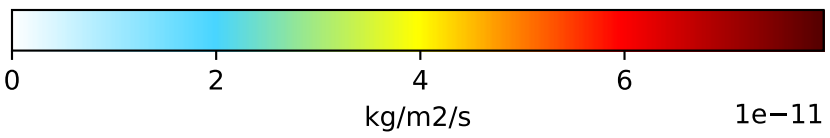


Undefined throughout domain
unitless

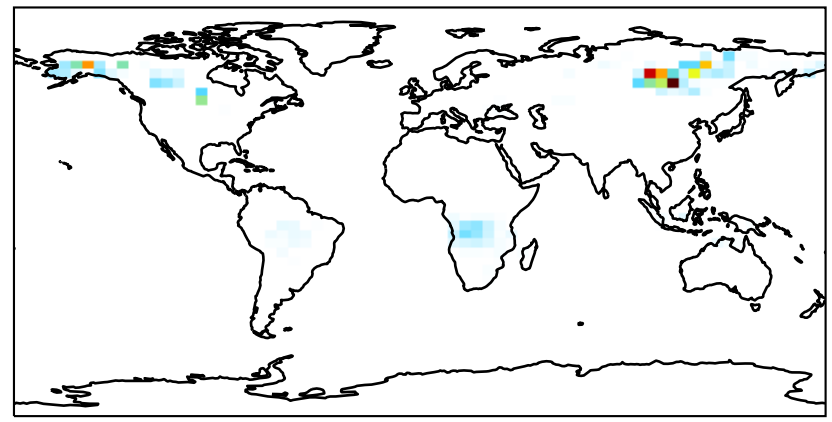
EmisACET_BioBurn (Jul2019)

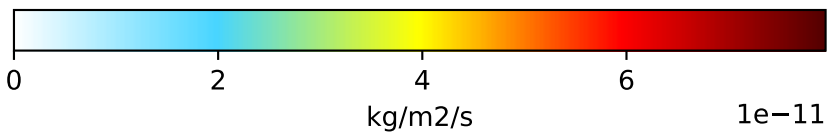
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



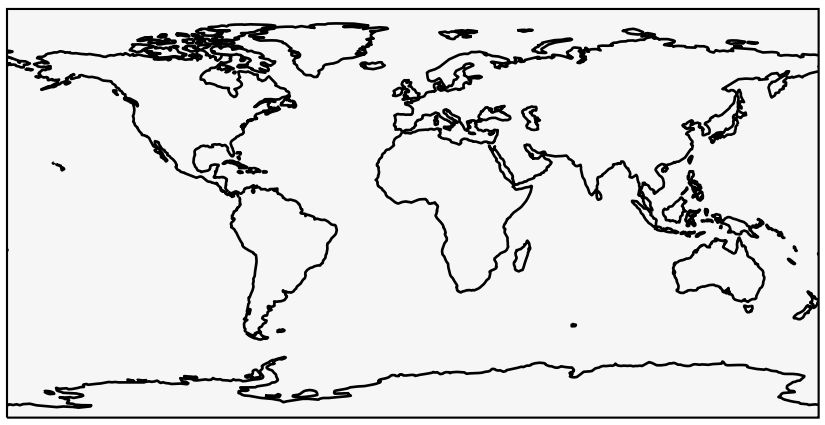


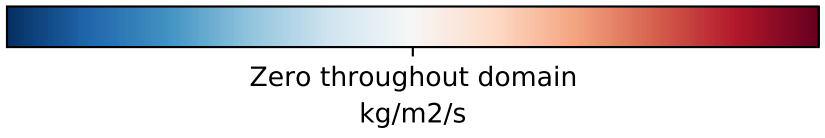
GCC_13.0.0 (Dev)
4.0x5.0



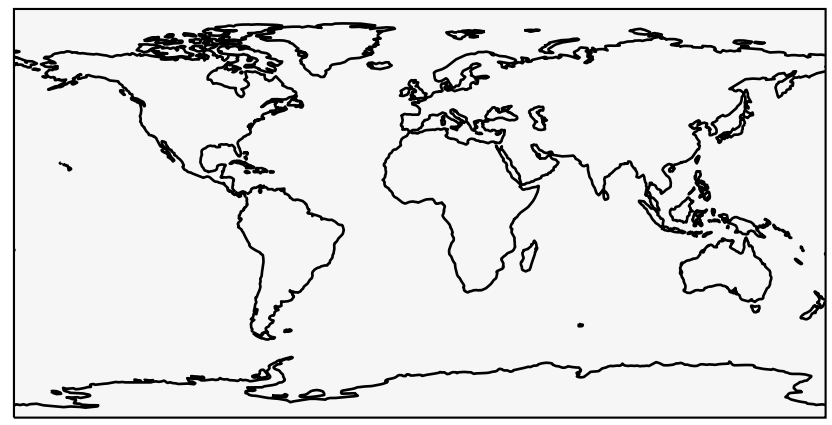


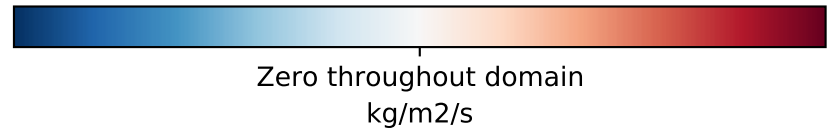
Difference
Dev - Ref, Dynamic Range



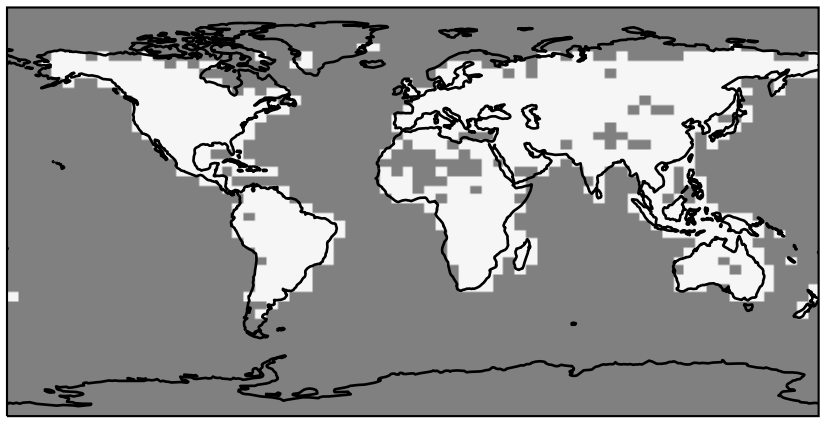


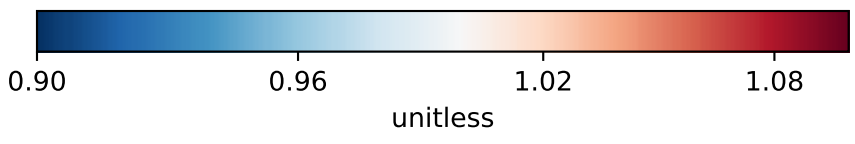
Difference
Dev - Ref, Restricted Range [5%,95%]



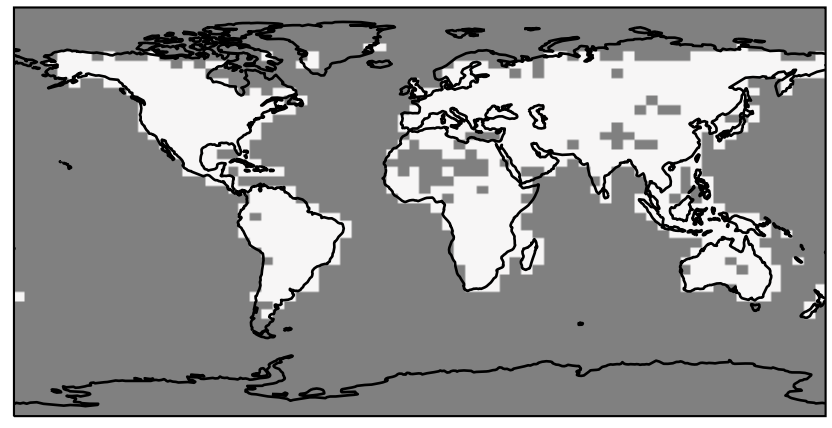


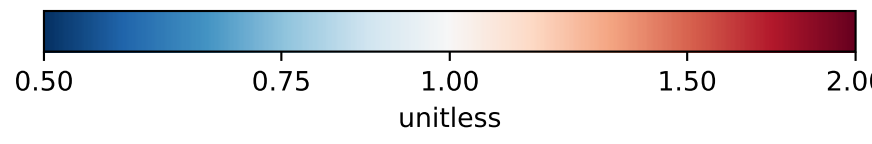
Ratio
Dev/Ref, Dynamic Range





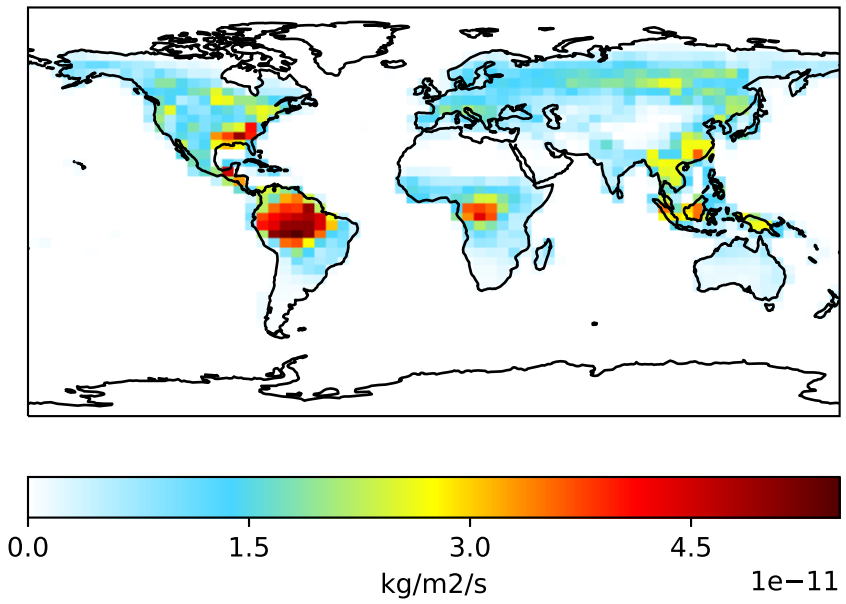
Ratio
Dev/Ref, Fixed Range



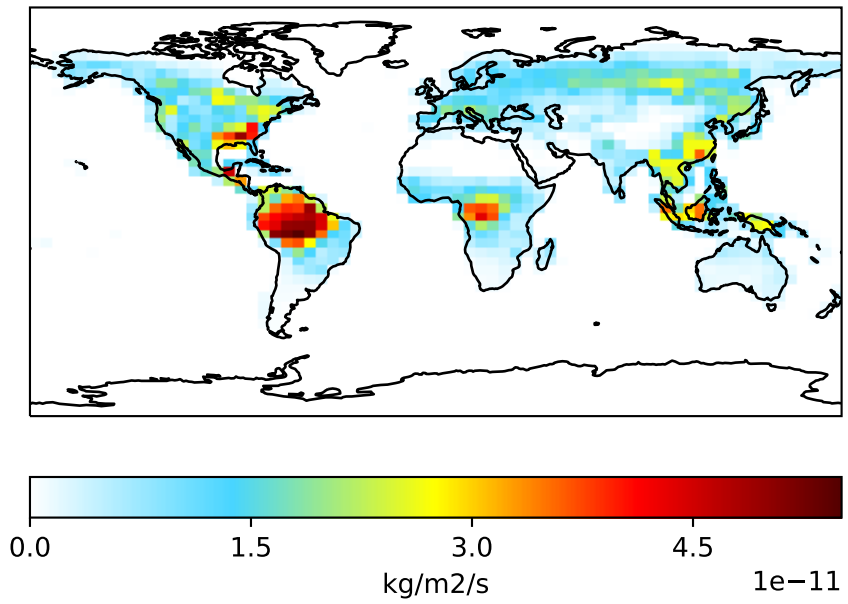


EmisACET_Biogenic (Jul2019)

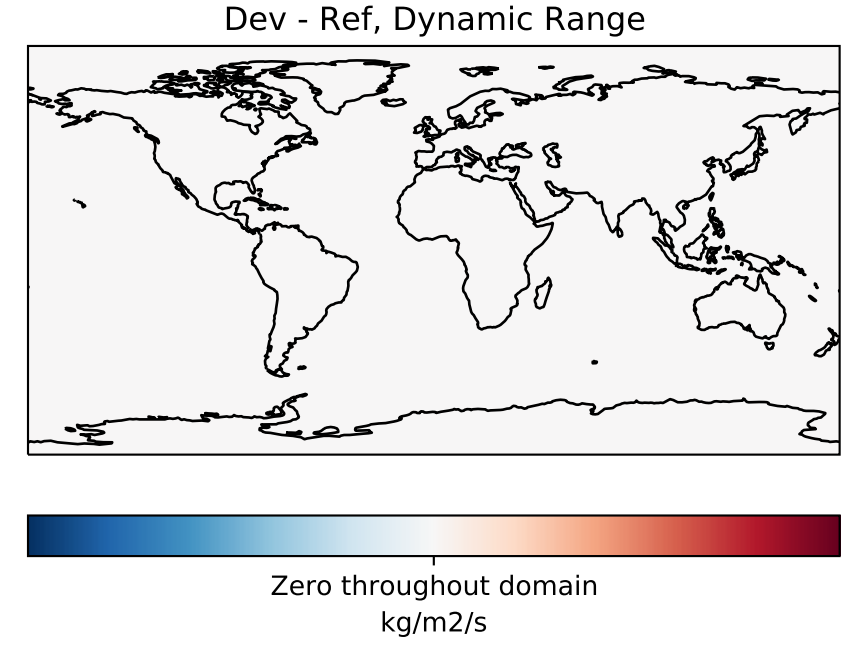
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



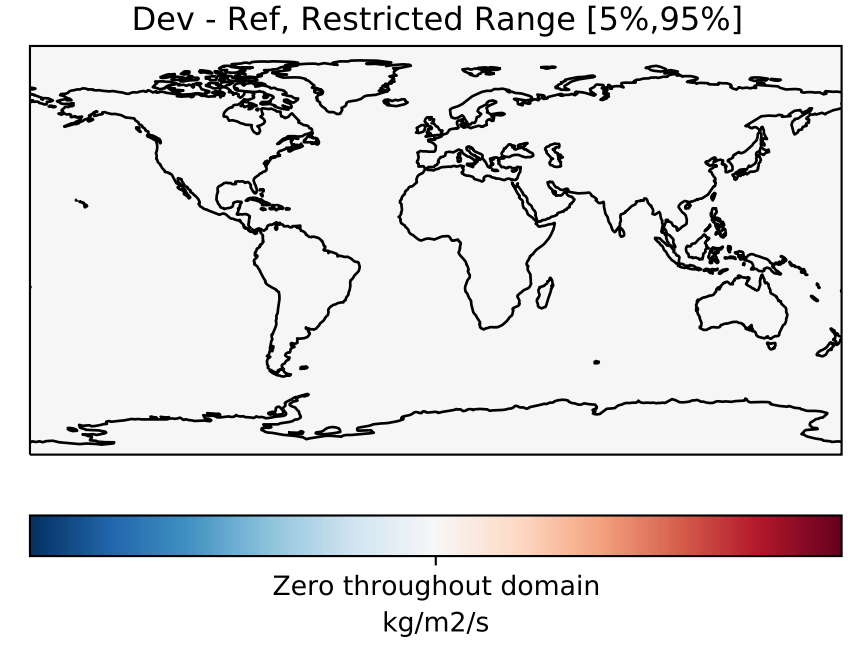
GCC_13.0.0 (Dev)
4.0x5.0



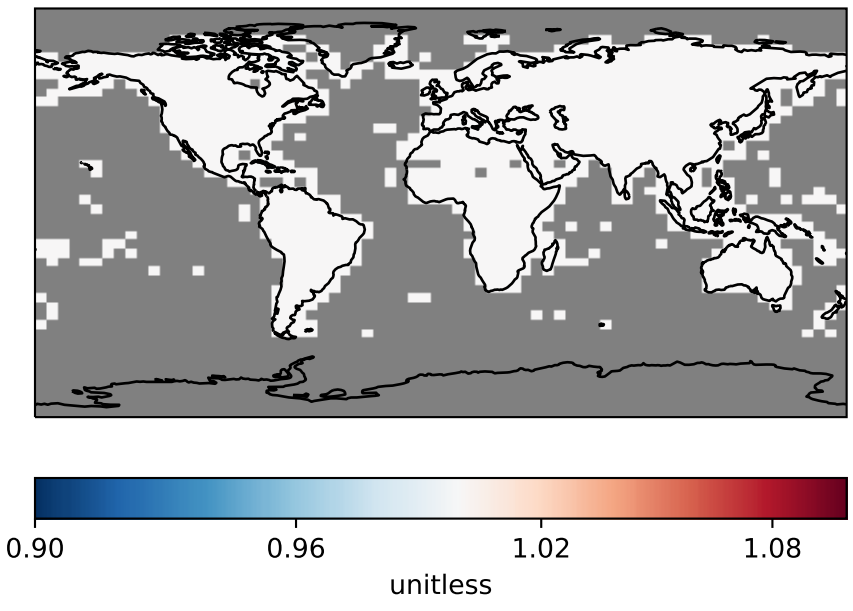
Difference
Dev - Ref, Dynamic Range



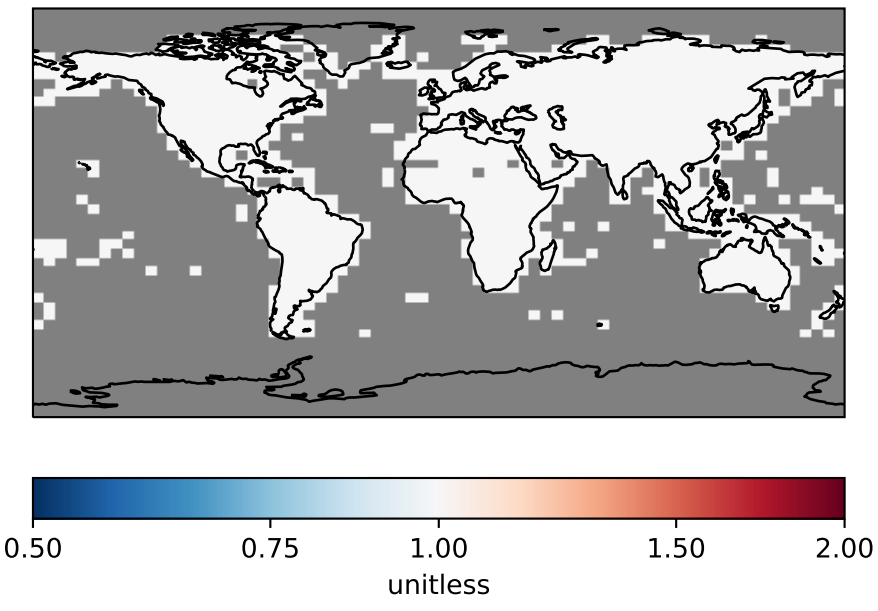
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

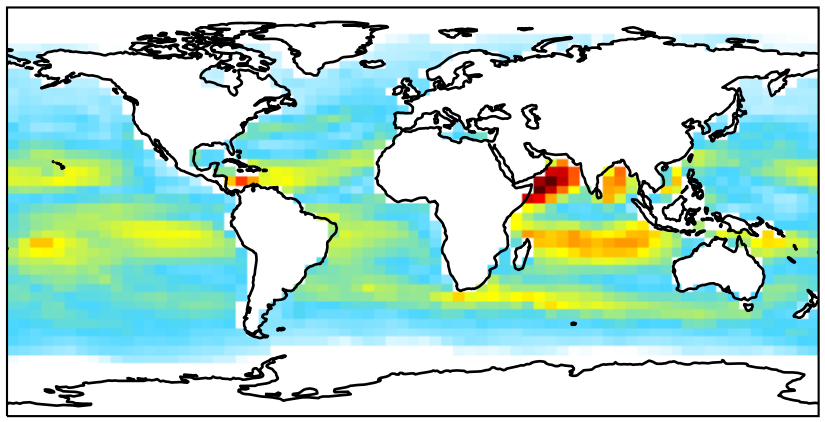


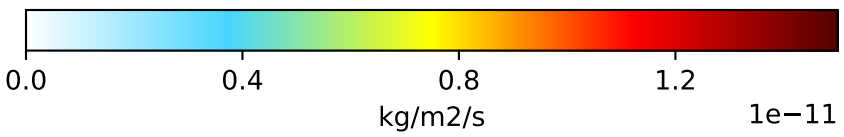
Ratio
Dev/Ref, Fixed Range



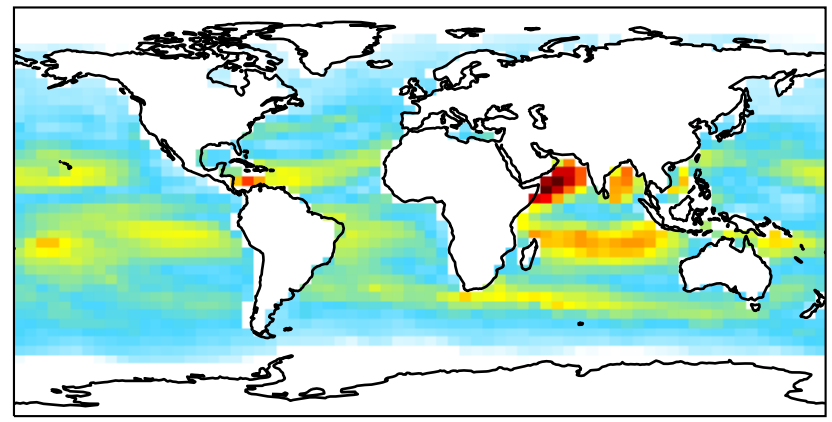
EmisACET_Ocean (Jul2019)

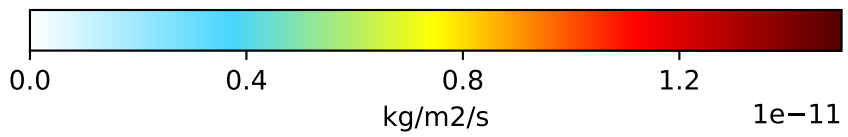
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



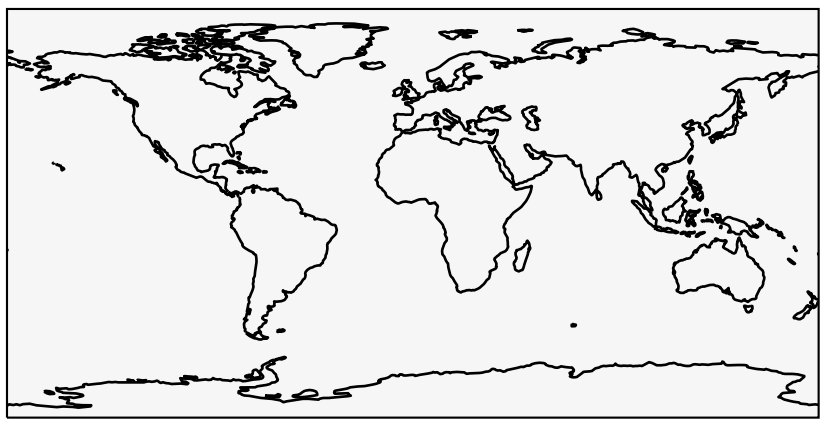


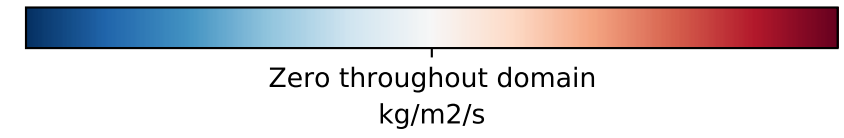
GCC_13.0.0 (Dev)
4.0x5.0



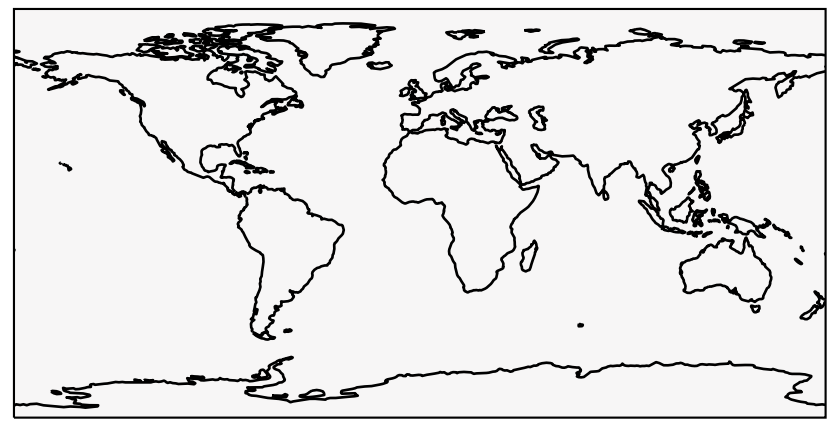


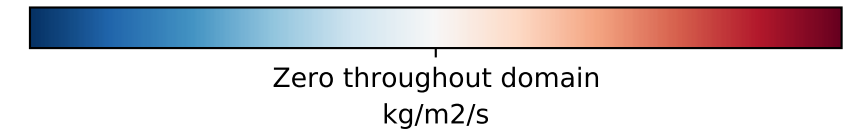
Difference
Dev - Ref, Dynamic Range



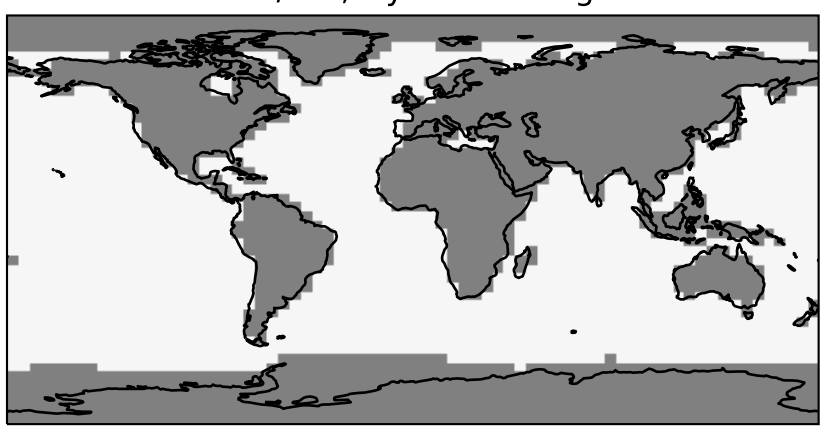


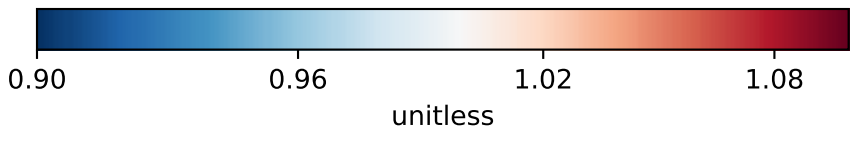
Difference
Dev - Ref, Restricted Range [5%,95%]



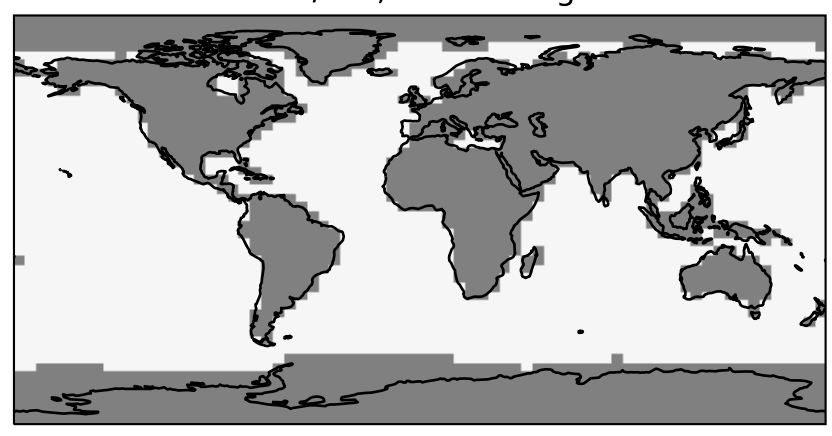


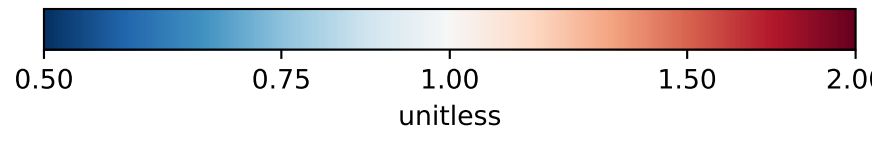
Ratio
Dev/Ref, Dynamic Range





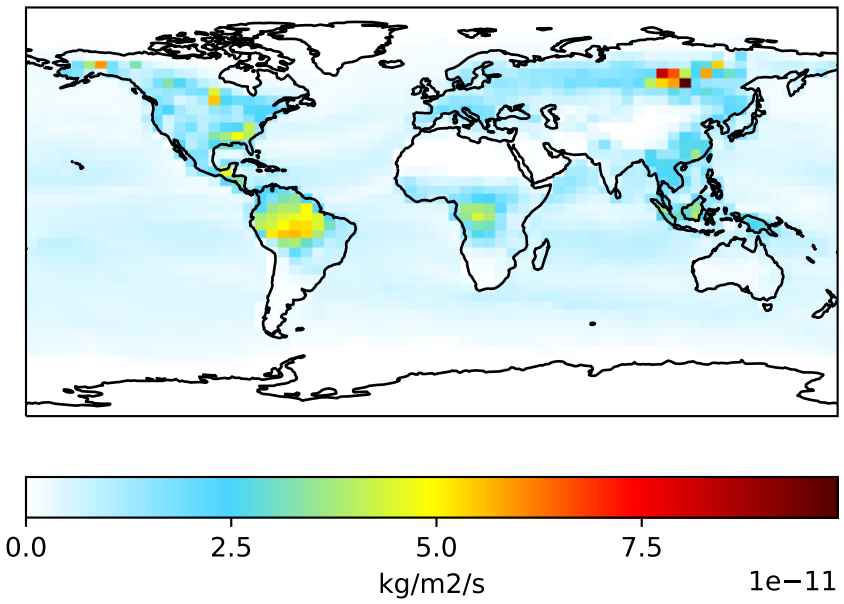
Ratio
Dev/Ref, Fixed Range



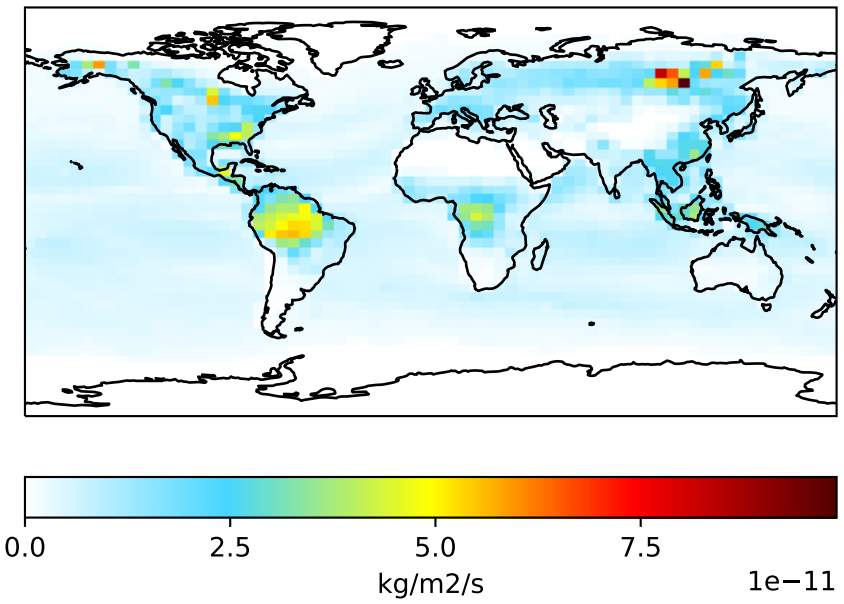


EmisACET_Total (Jul2019)

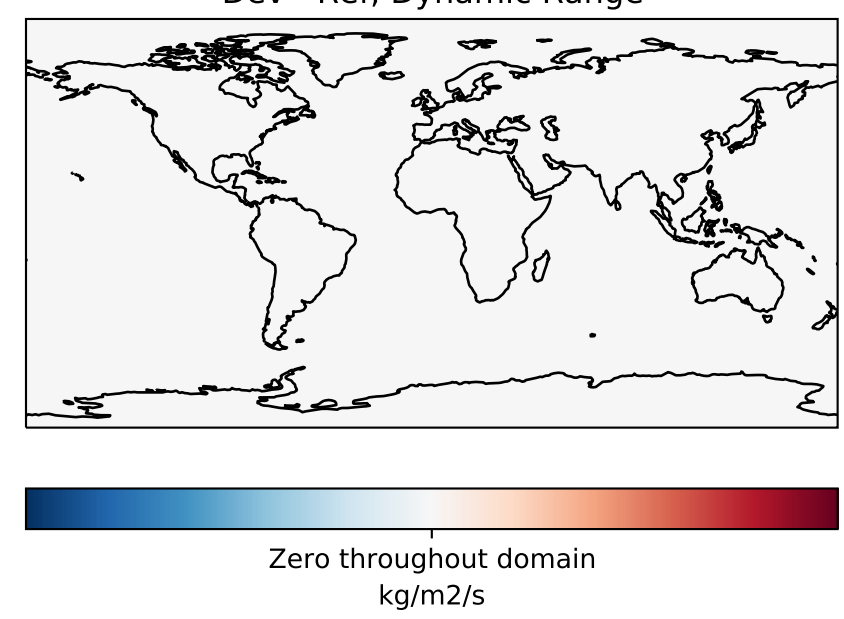
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



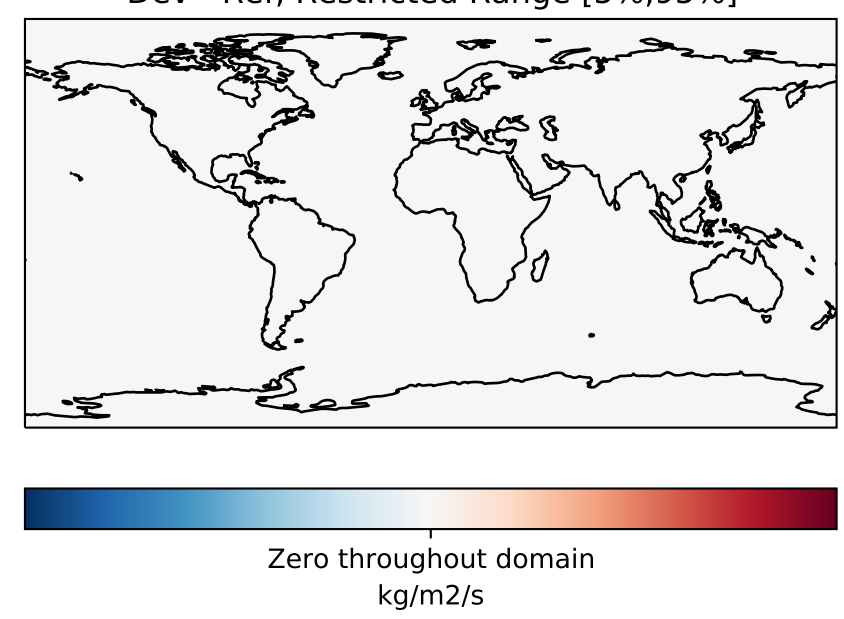
GCC_13.0.0 (Dev)
4.0x5.0



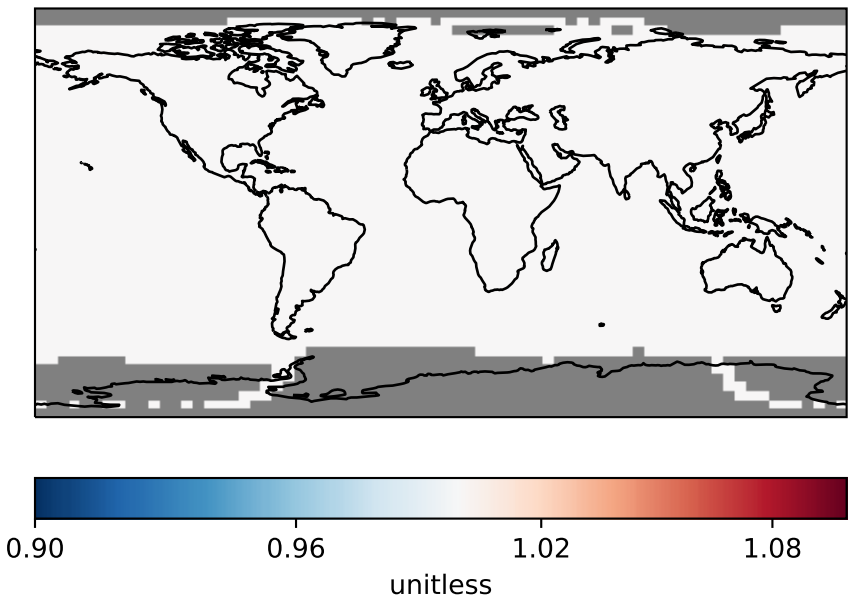
Difference
Dev - Ref, Dynamic Range



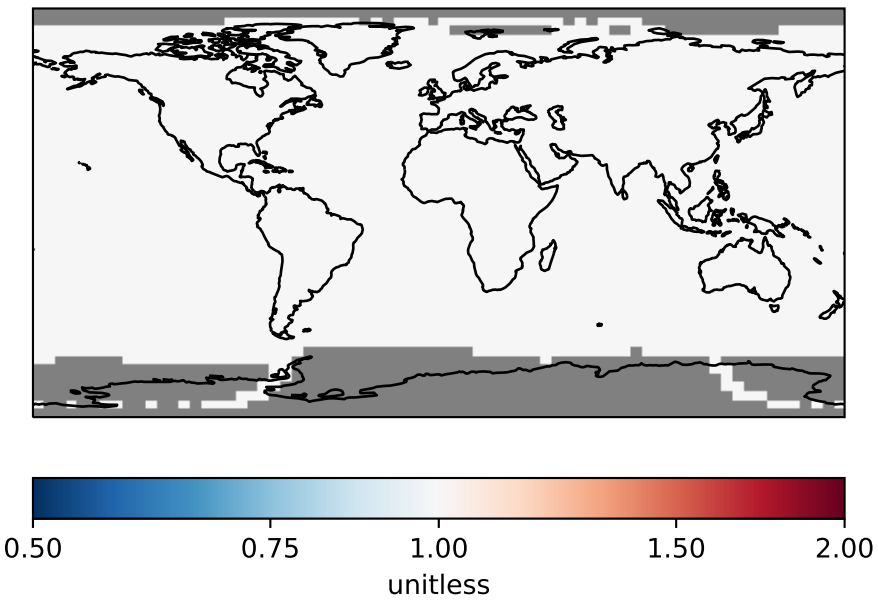
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

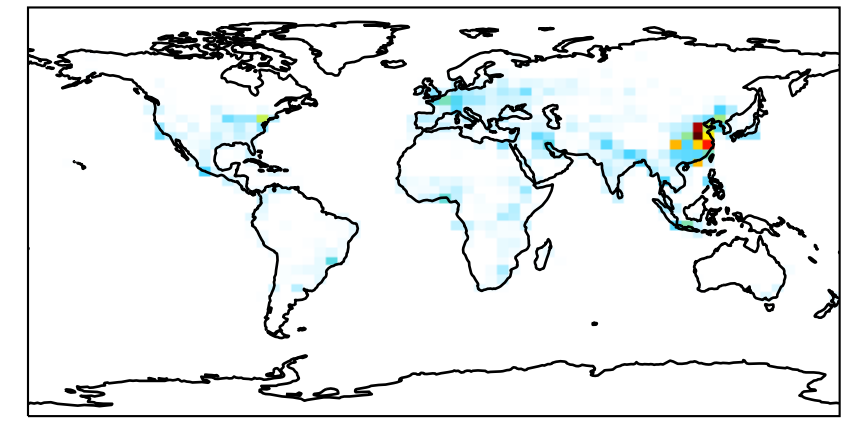


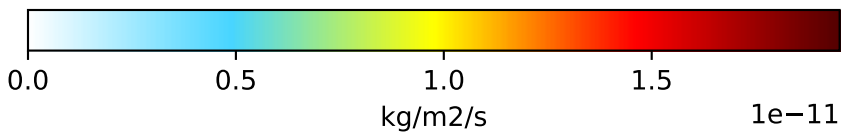
Ratio
Dev/Ref, Fixed Range



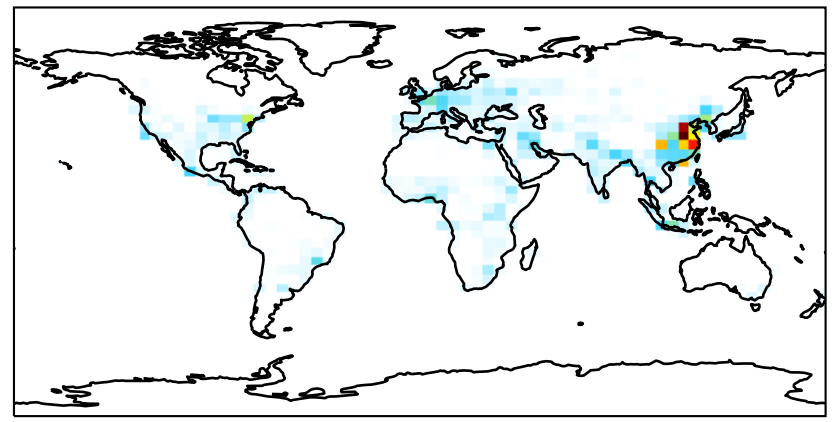
EmisMEK_Anthro (Jul2019)

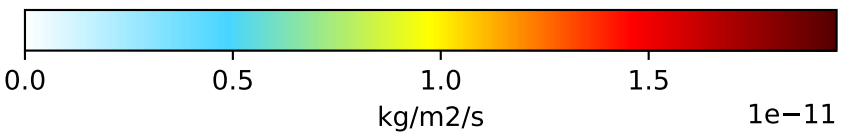
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



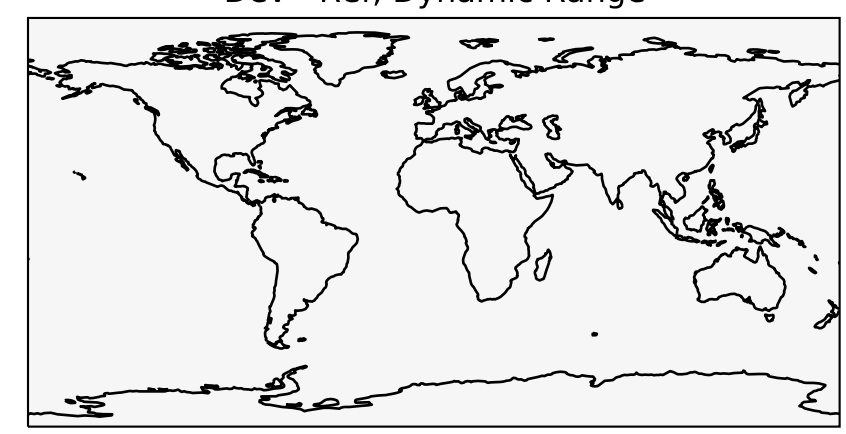


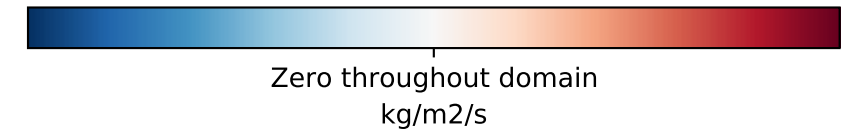
GCC_13.0.0 (Dev)
4.0x5.0



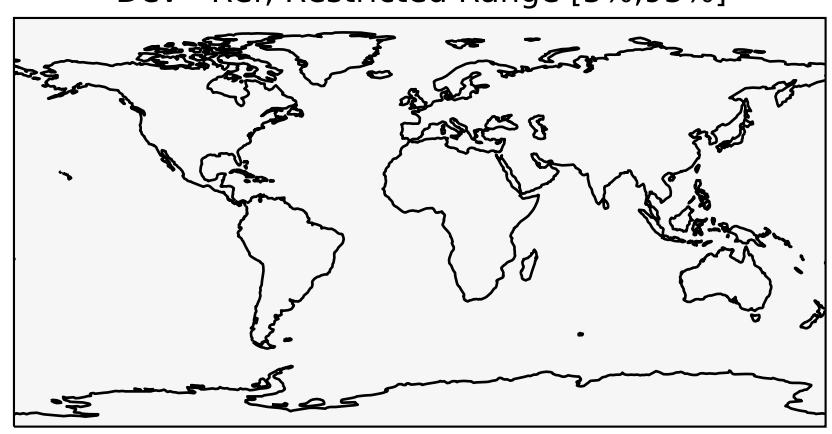


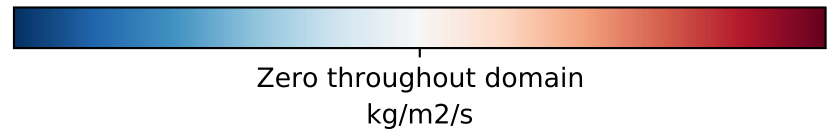
Difference
Dev - Ref, Dynamic Range



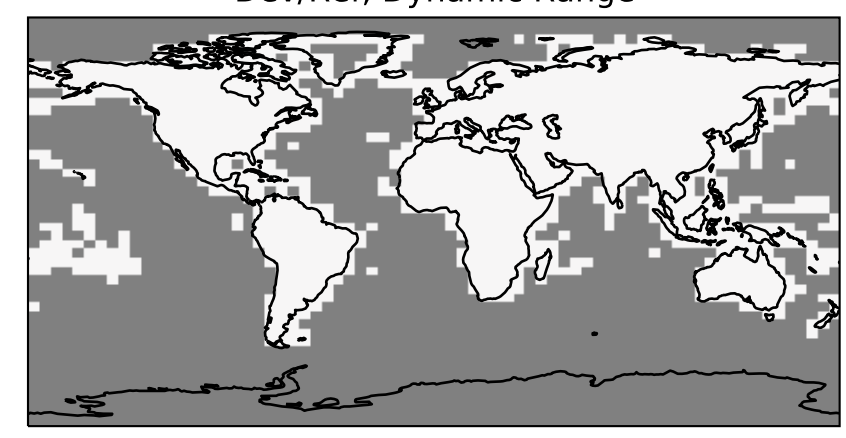


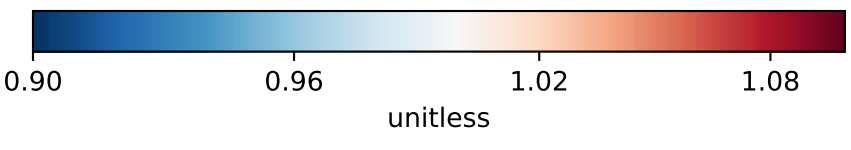
Difference
Dev - Ref, Restricted Range [5%,95%]



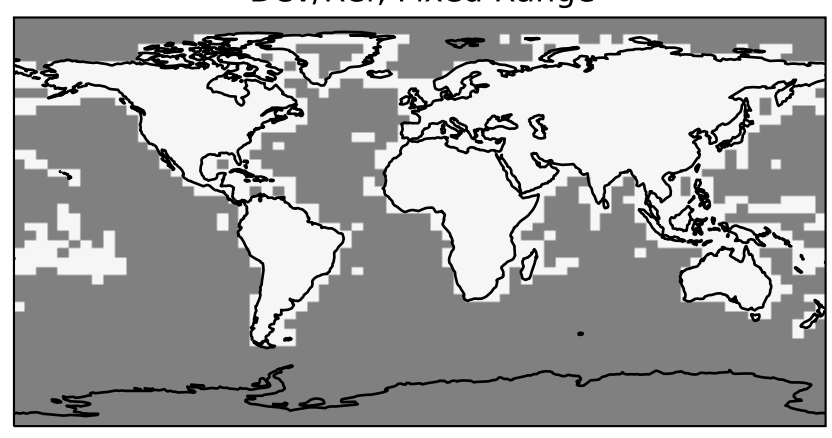


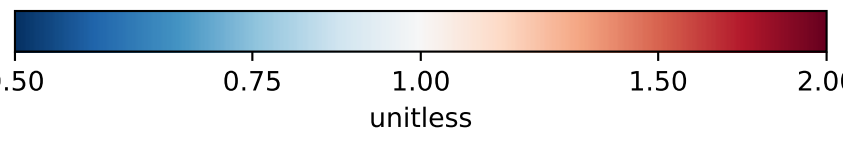
Ratio
Dev/Ref, Dynamic Range





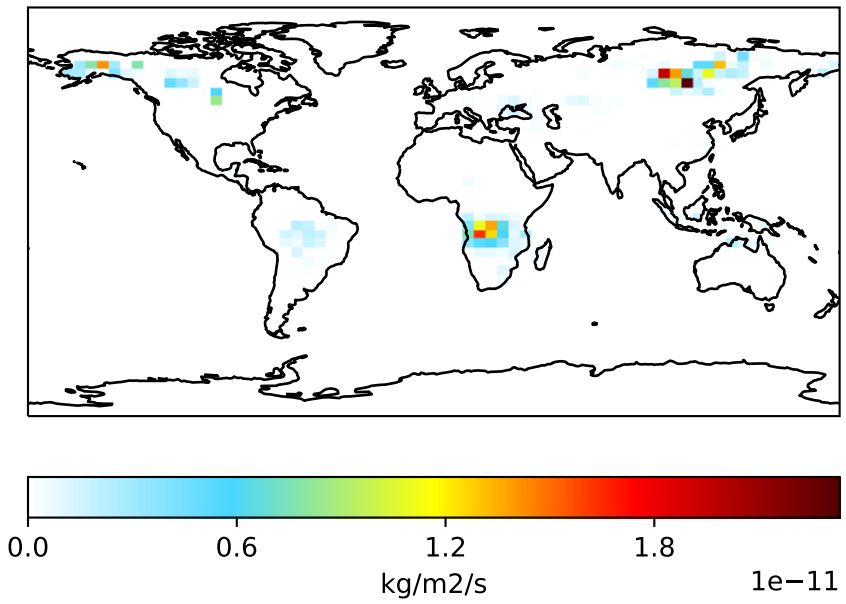
Ratio
Dev/Ref, Fixed Range



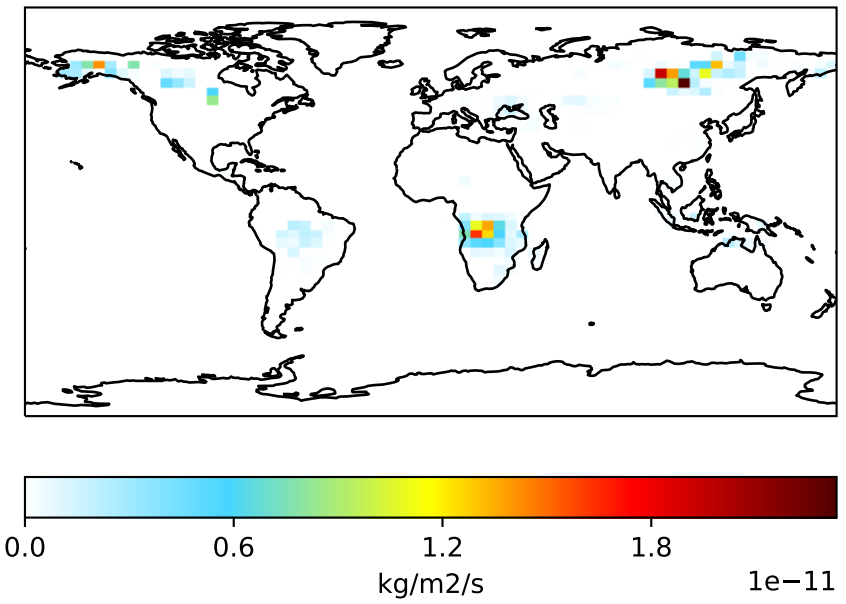


EmisMEK_BioBurn (Jul2019)

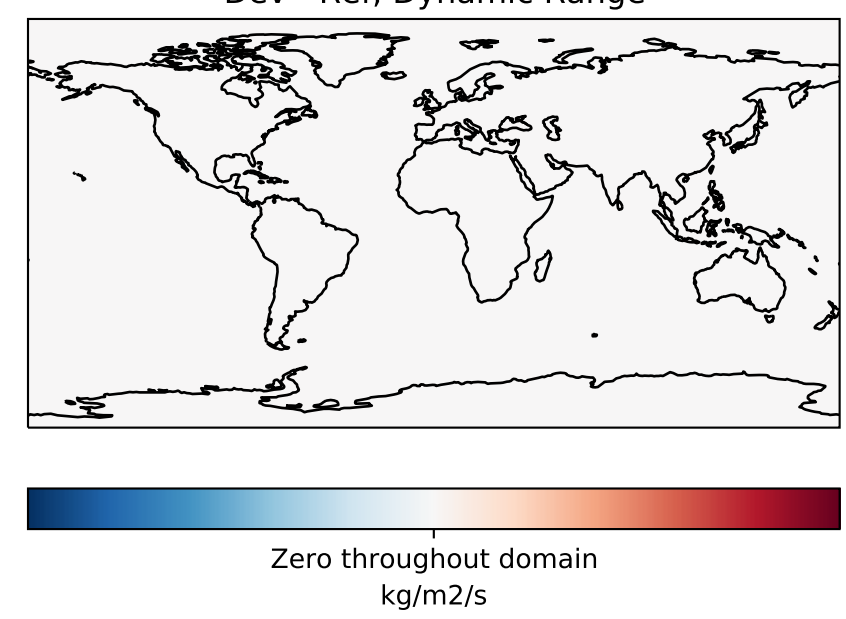
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



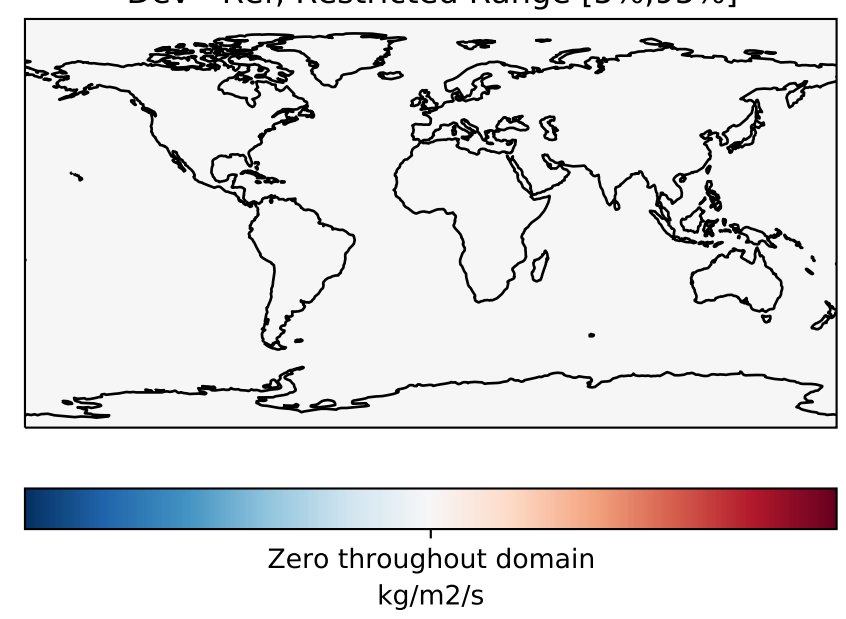
GCC_13.0.0 (Dev)
4.0x5.0



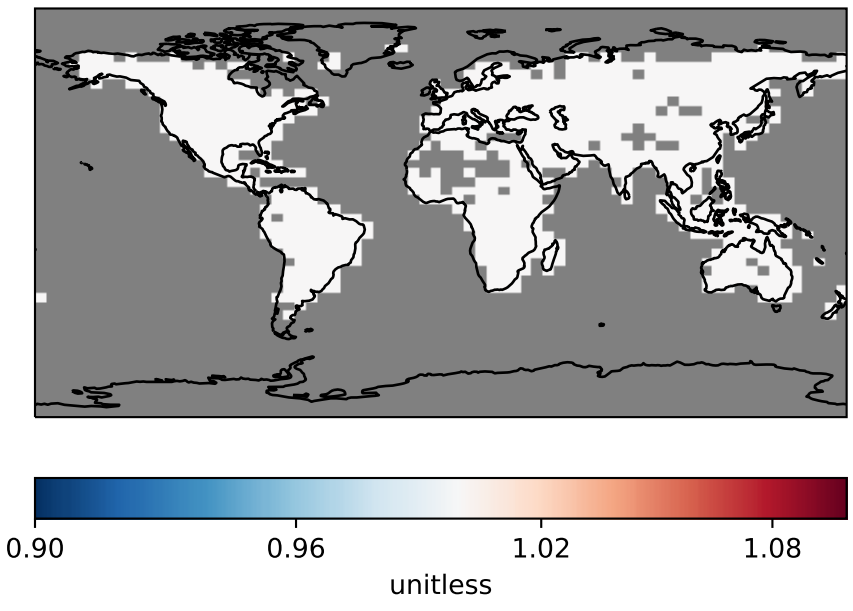
Difference
Dev - Ref, Dynamic Range



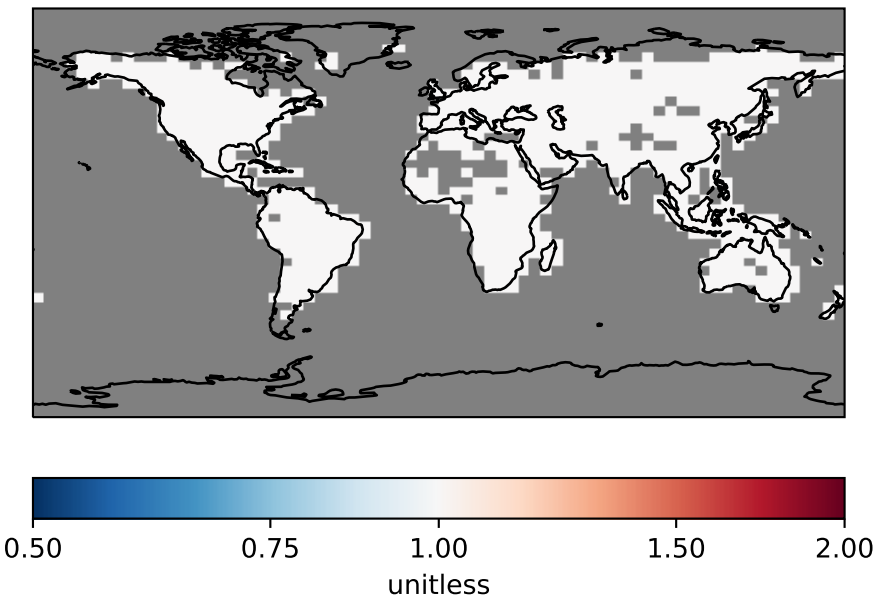
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

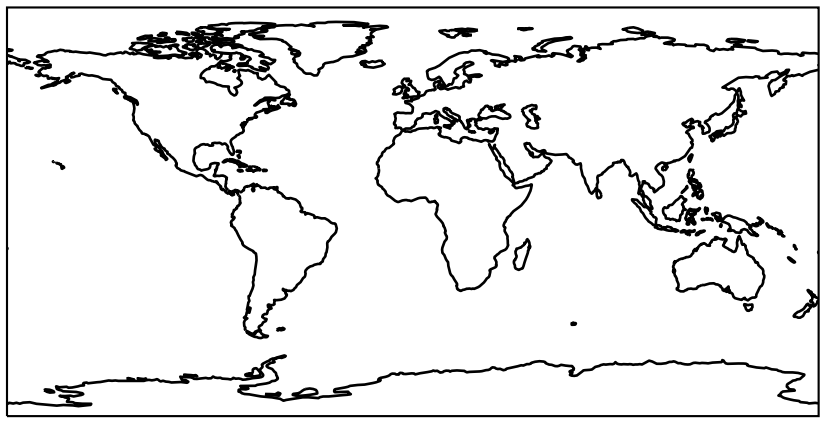


Ratio
Dev/Ref, Fixed Range



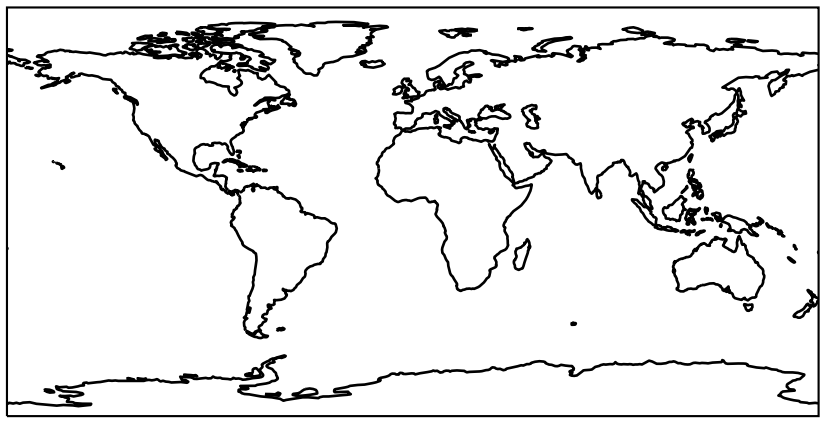
EmisMEK_Ship (Jul2019)

GCC_13.0.0-beta.1 (Ref)
4.0x5.0



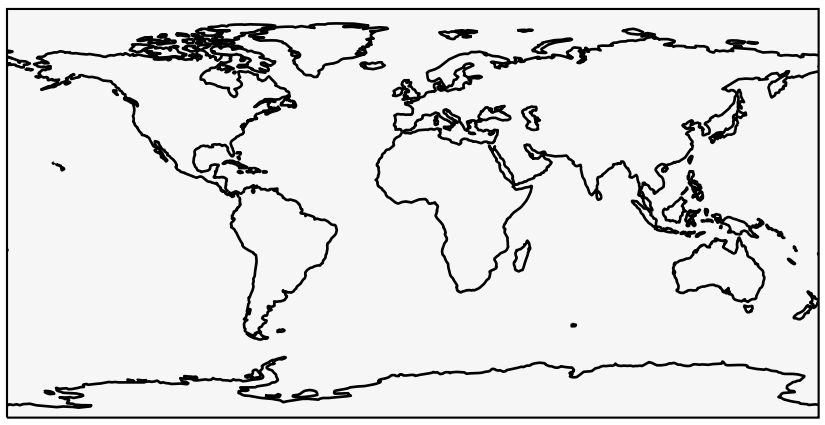
Zero throughout domain
kg/m2/s

GCC_13.0.0 (Dev)
4.0x5.0



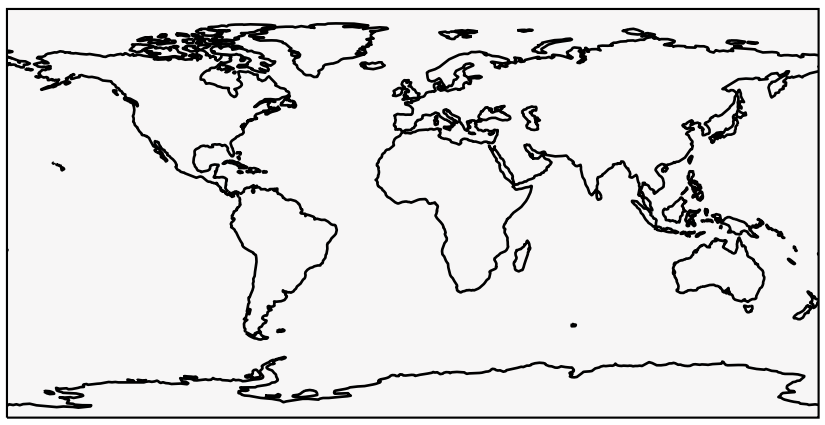
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



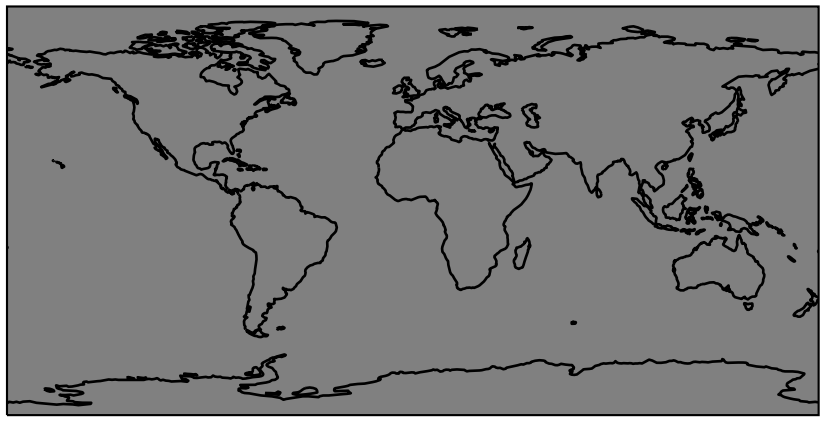
Zero throughout domain
kg/m2/s

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



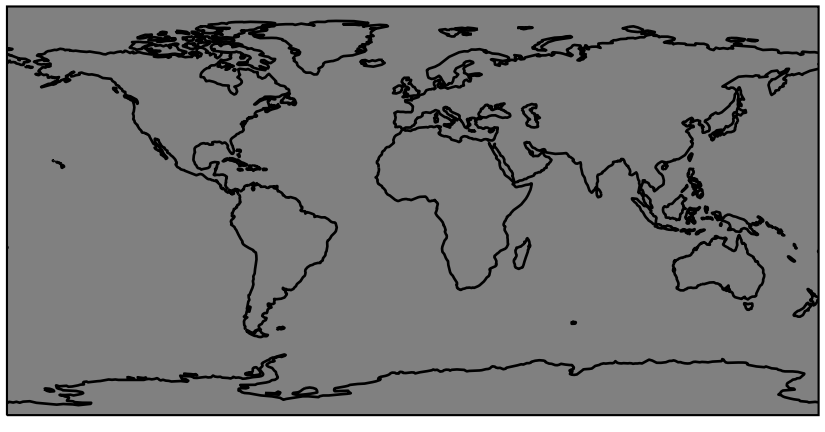
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

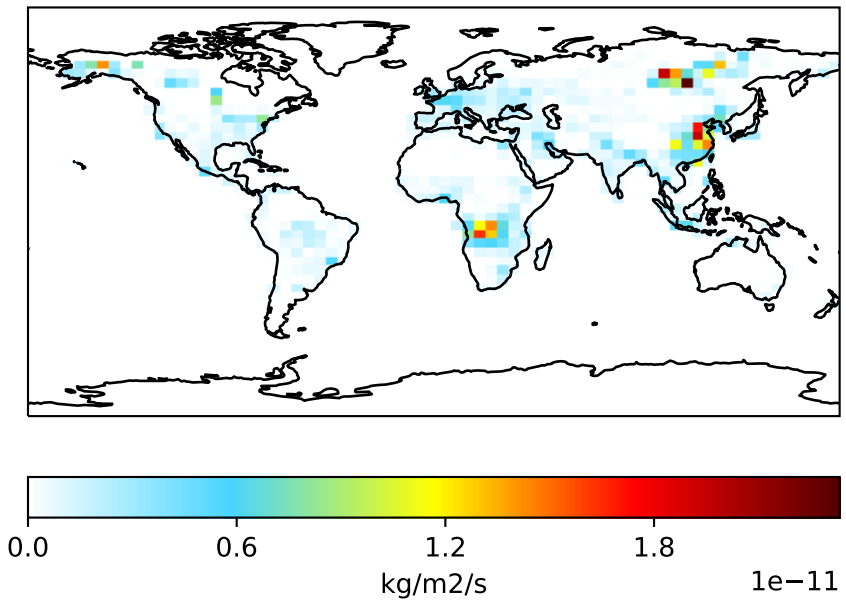
Ratio
Dev/Ref, Fixed Range



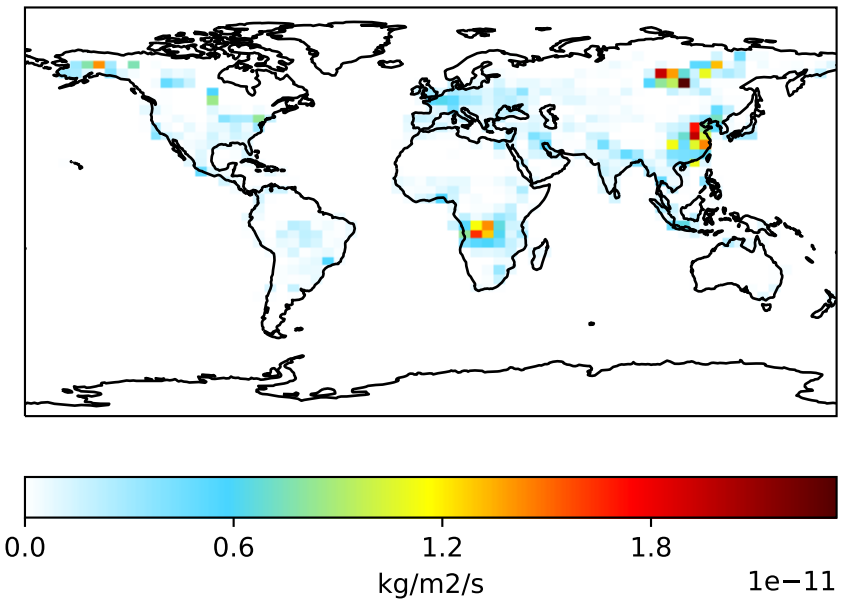
Undefined throughout domain
unitless

EmisMEK_Total (Jul2019)

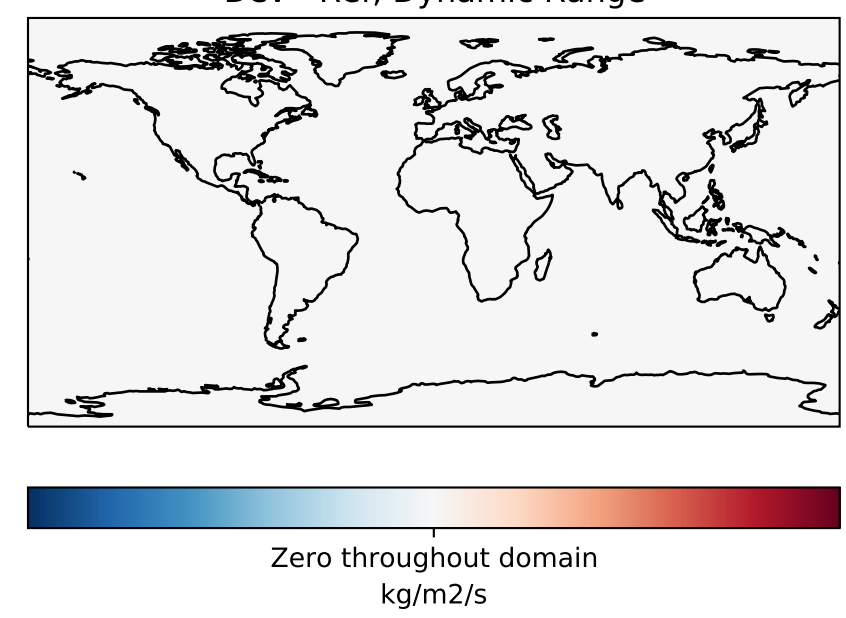
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



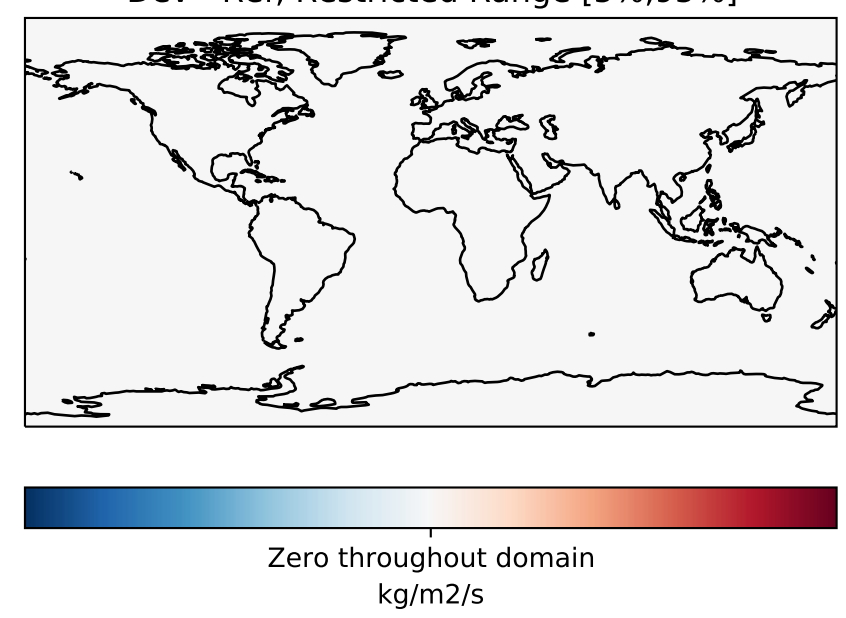
GCC_13.0.0 (Dev)
4.0x5.0



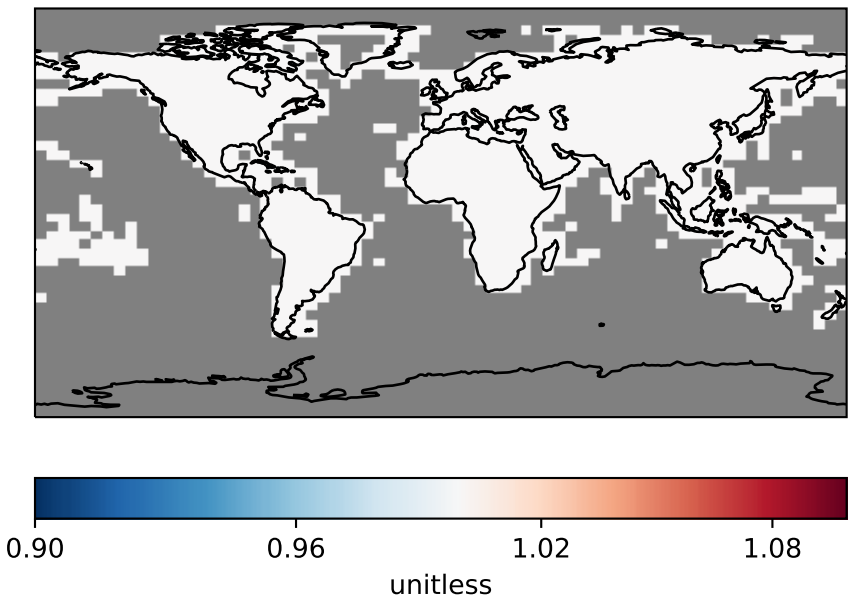
Difference
Dev - Ref, Dynamic Range



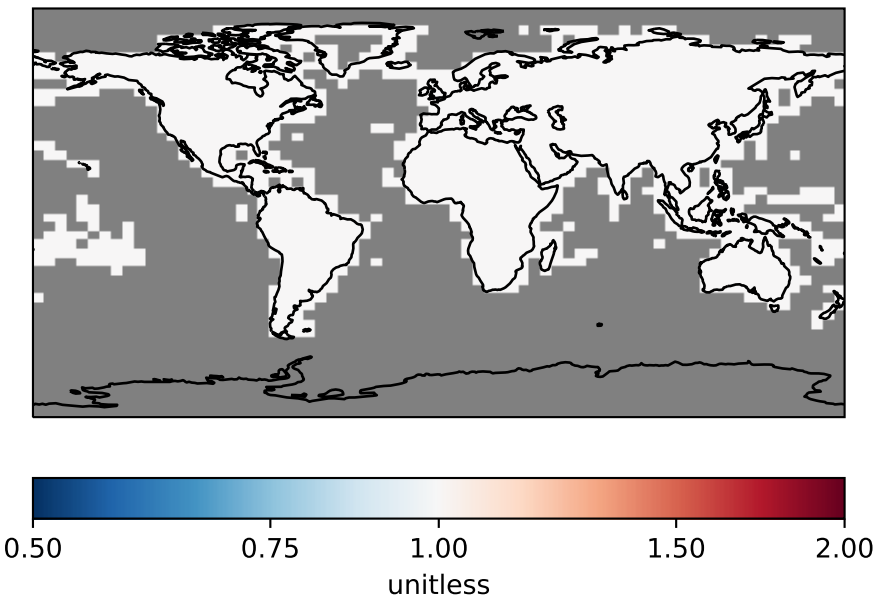
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

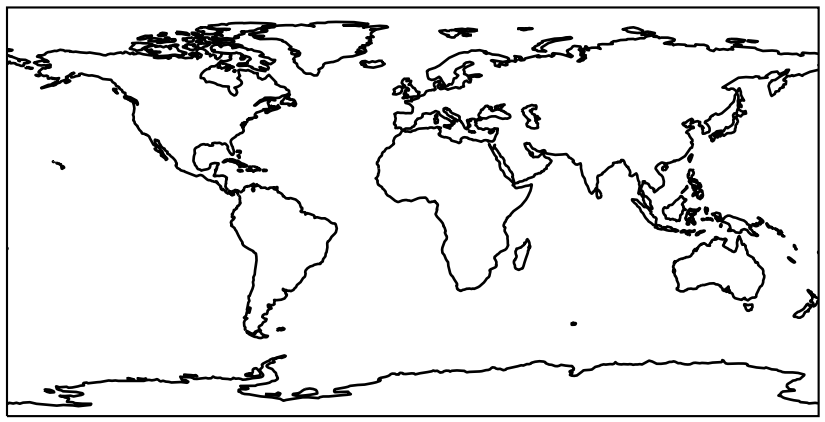


Ratio
Dev/Ref, Fixed Range



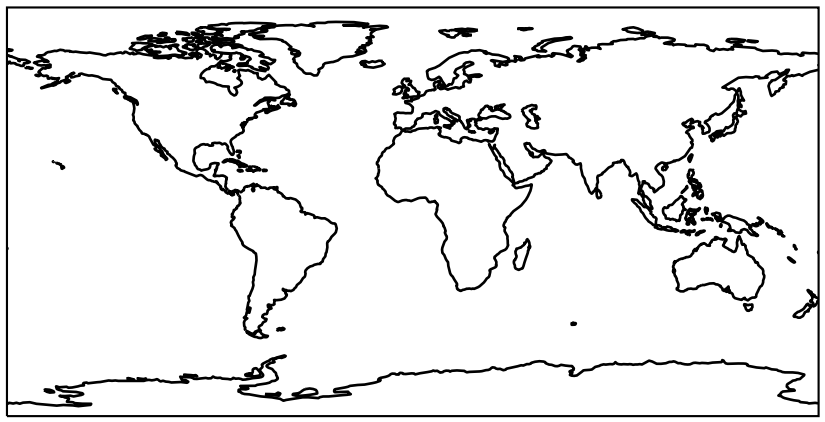
EmisMVK_Anthro (Jul2019)

GCC_13.0.0-beta.1 (Ref)
4.0x5.0



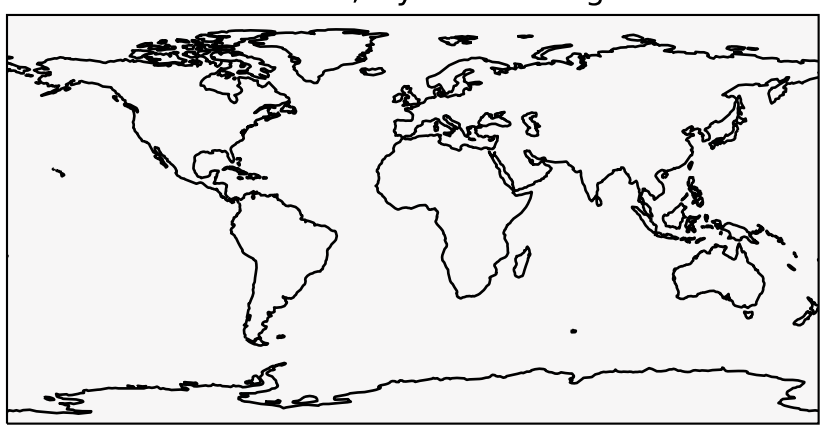
Zero throughout domain
kg/m2/s

GCC_13.0.0 (Dev)
4.0x5.0



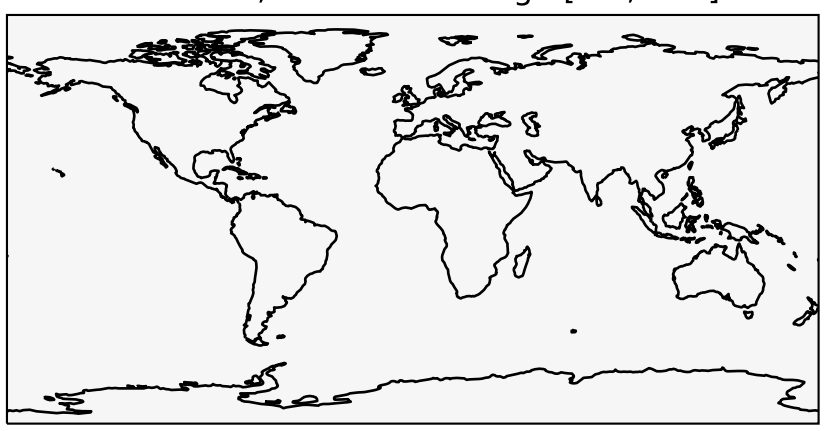
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



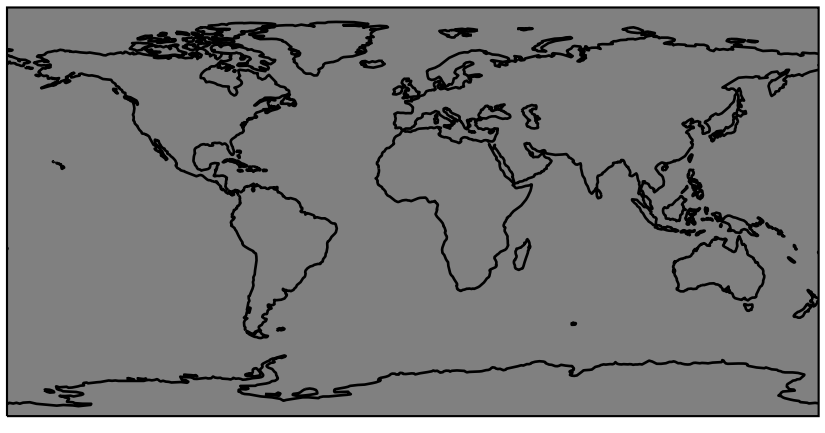
Zero throughout domain
kg/m2/s

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



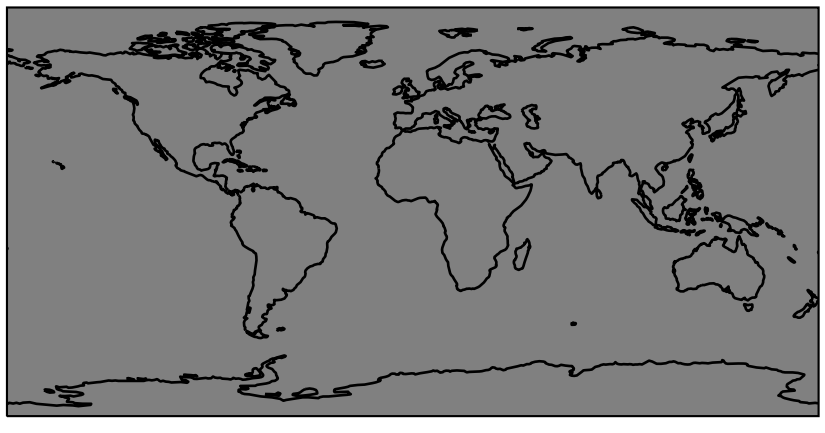
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

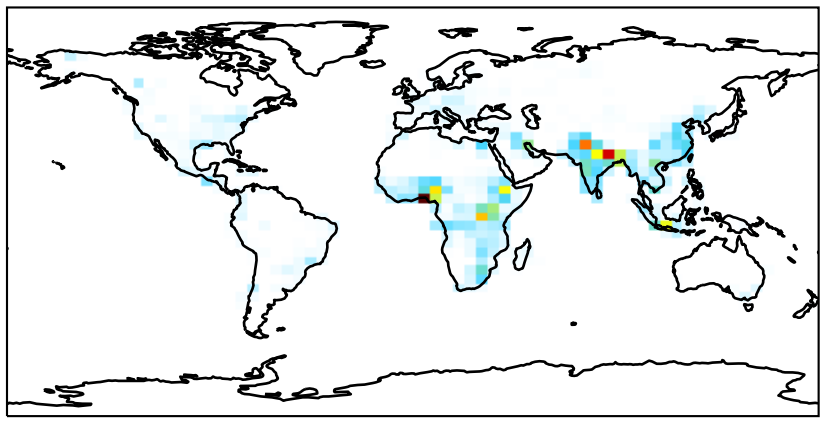
Ratio
Dev/Ref, Fixed Range

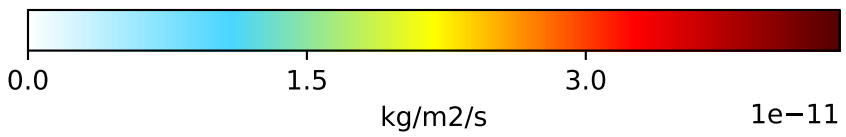


Undefined throughout domain
unitless

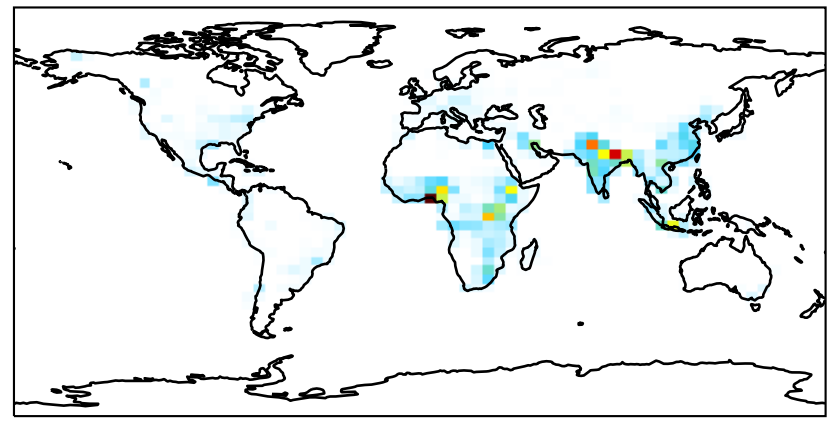
EmisHCOOH_Anthro (Jul2019)

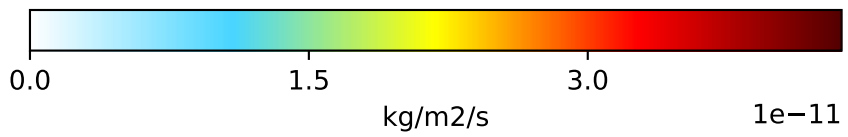
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



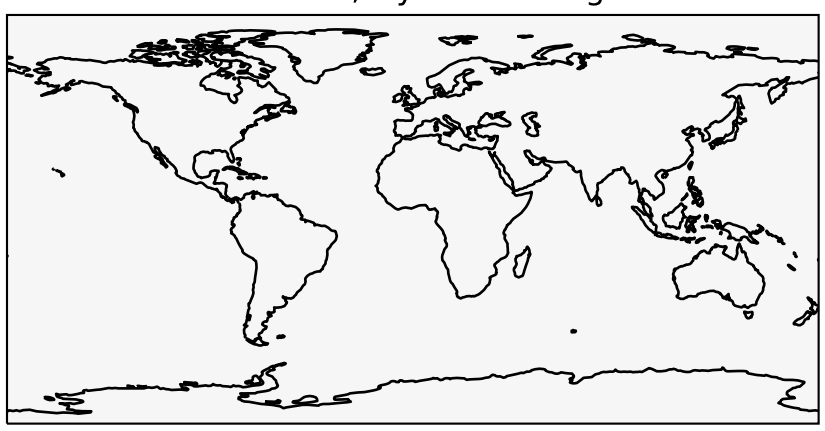


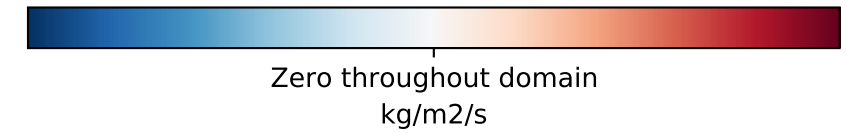
GCC_13.0.0 (Dev)
4.0x5.0



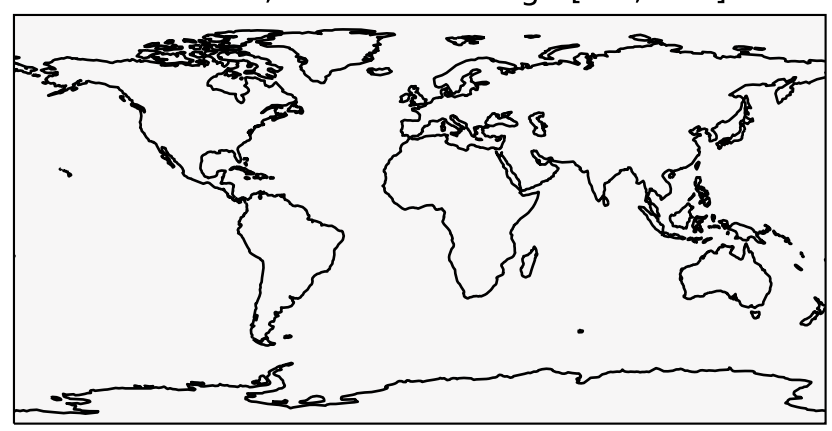


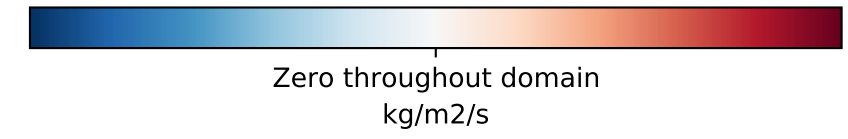
Difference
Dev - Ref, Dynamic Range



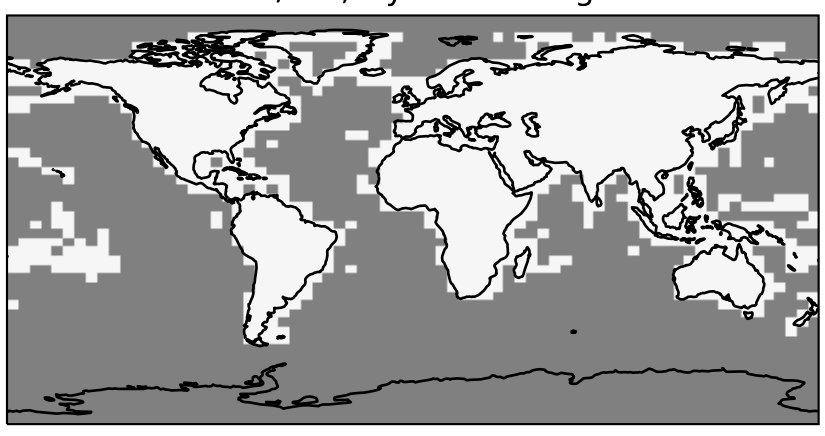


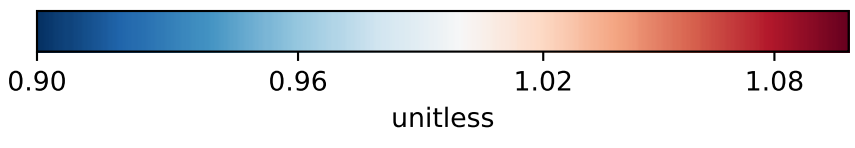
Difference
Dev - Ref, Restricted Range [5%,95%]



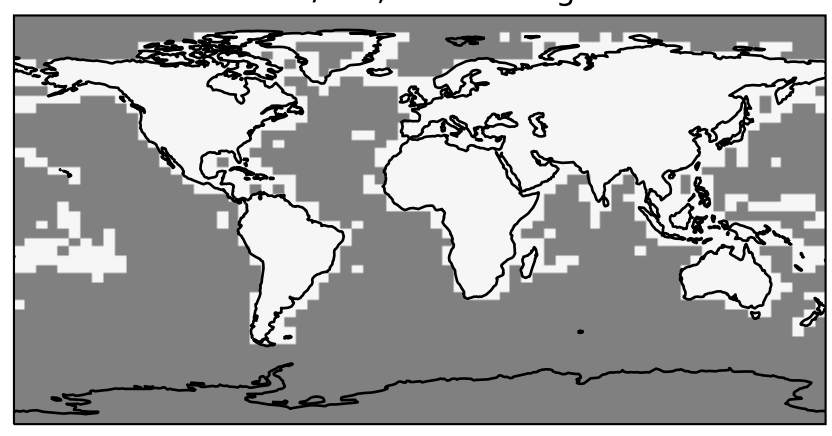


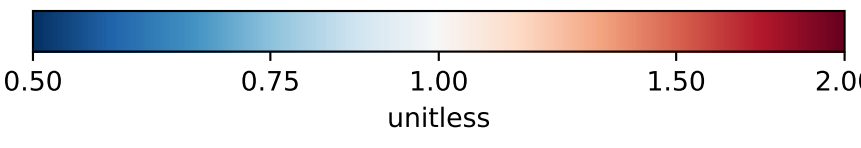
Ratio
Dev/Ref, Dynamic Range





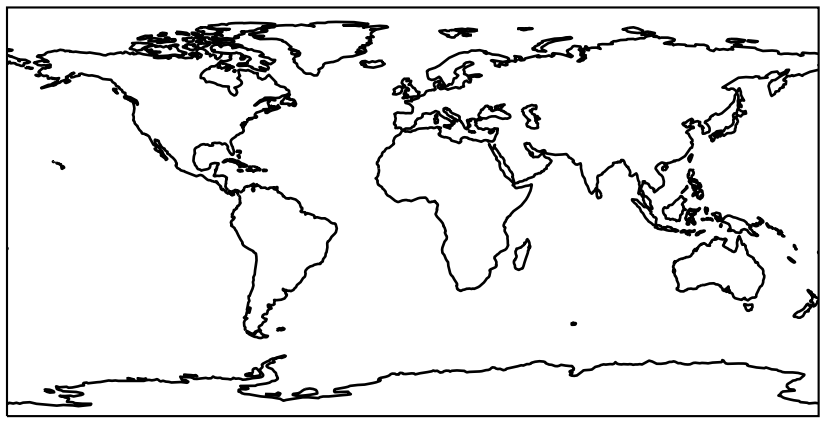
Ratio
Dev/Ref, Fixed Range





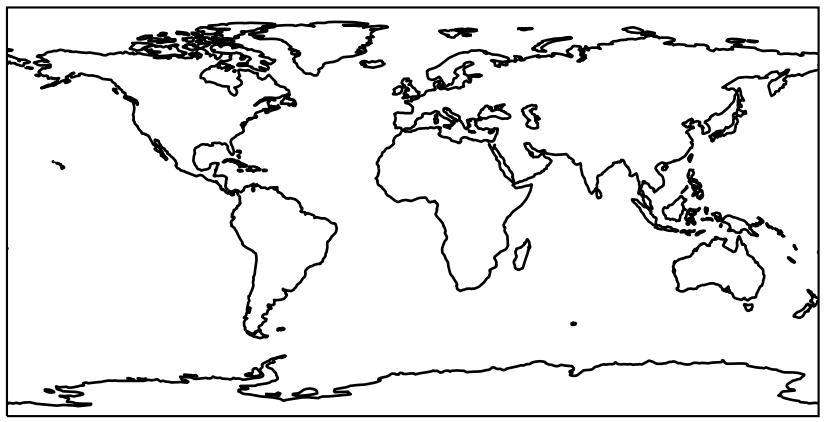
EmisHCOOH_Ship (Jul2019)

GCC_13.0.0-beta.1 (Ref)
4.0x5.0



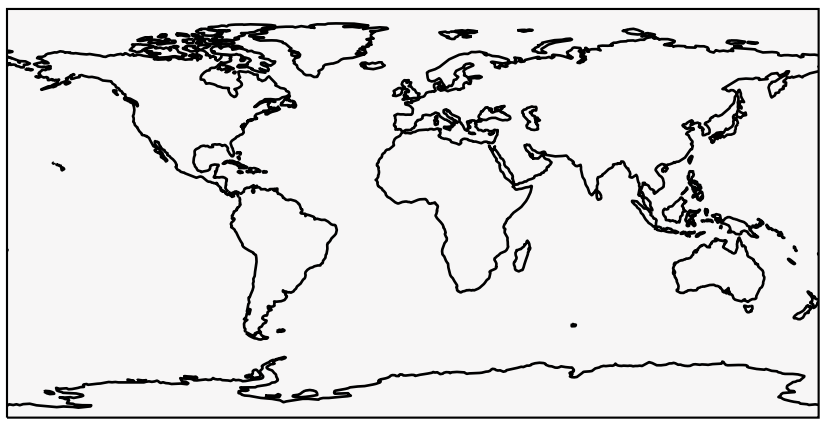
Zero throughout domain
kg/m2/s

GCC_13.0.0 (Dev)
4.0x5.0



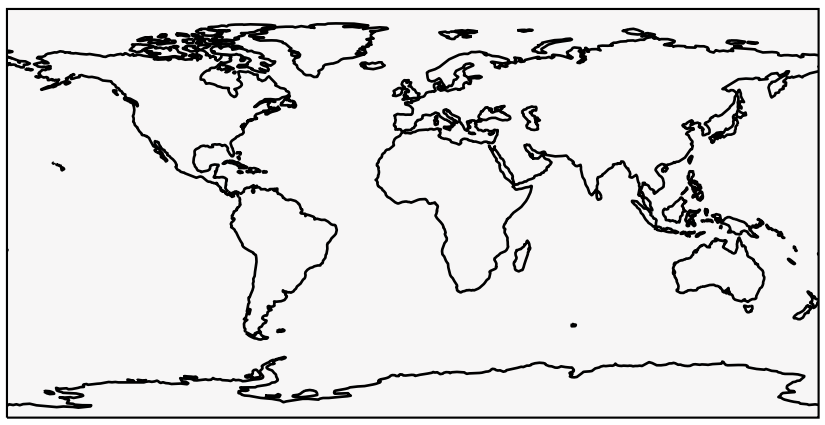
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



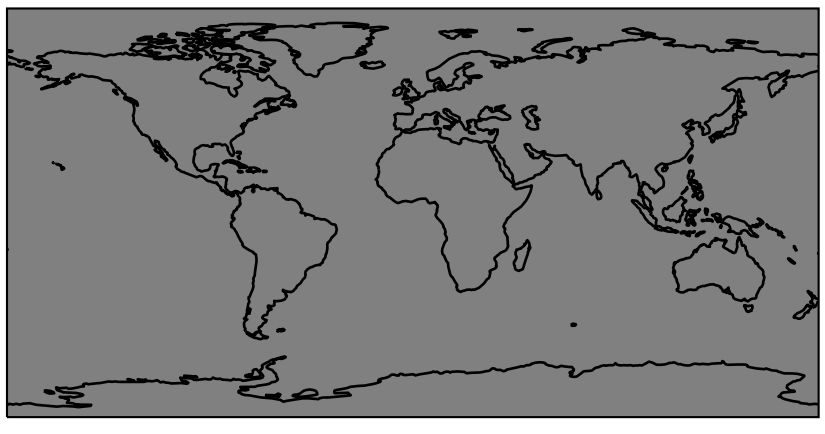
Zero throughout domain
kg/m2/s

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



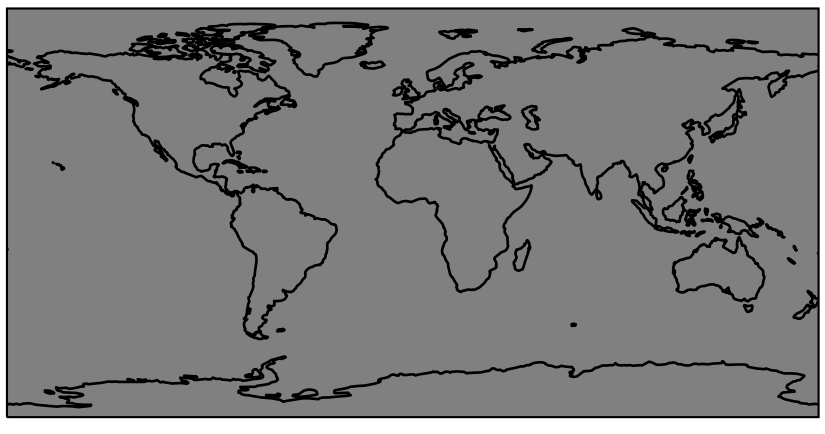
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

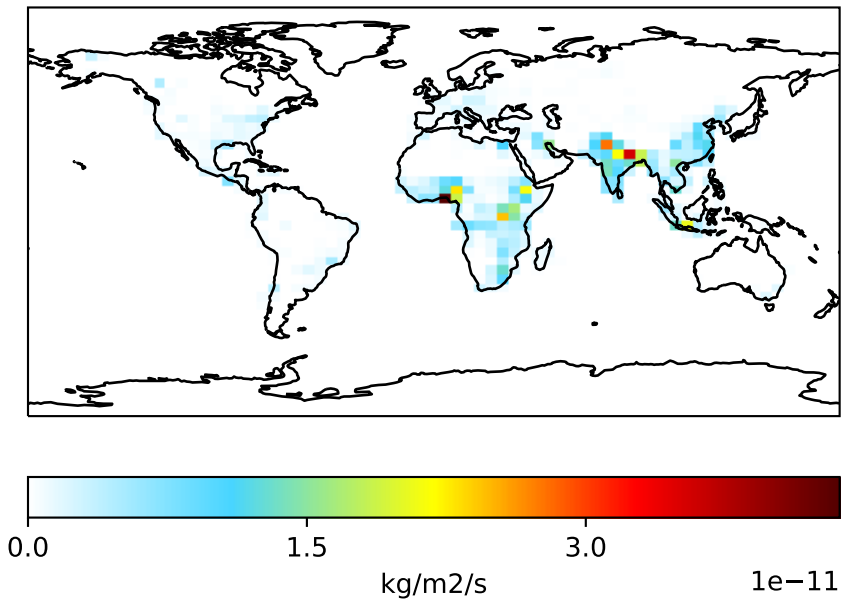
Ratio
Dev/Ref, Fixed Range



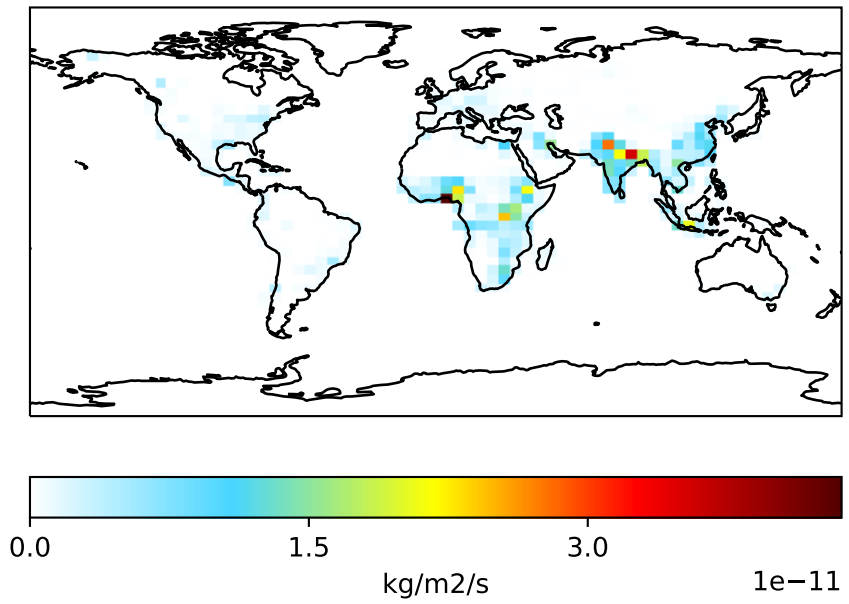
Undefined throughout domain
unitless

EmisHCOOH_Total (Jul2019)

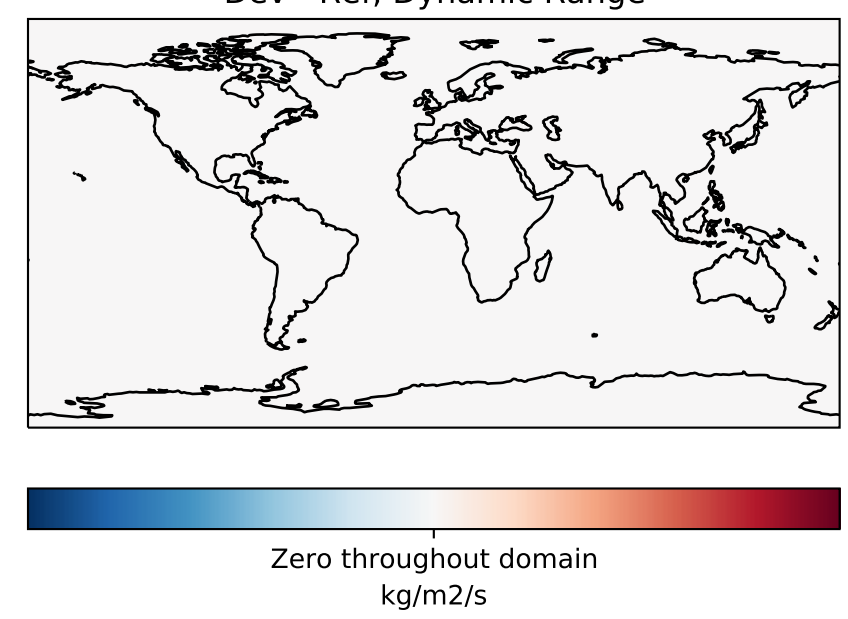
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



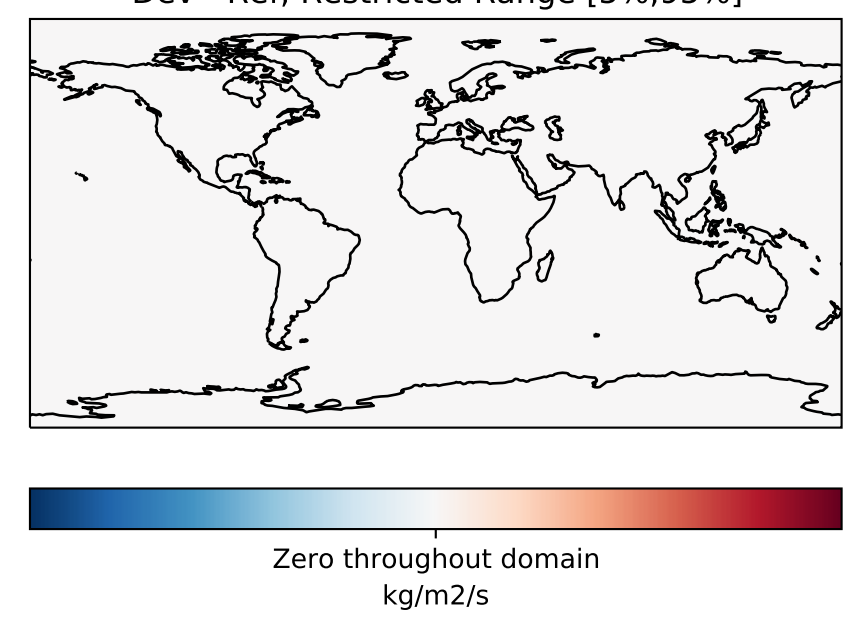
GCC_13.0.0 (Dev)
4.0x5.0



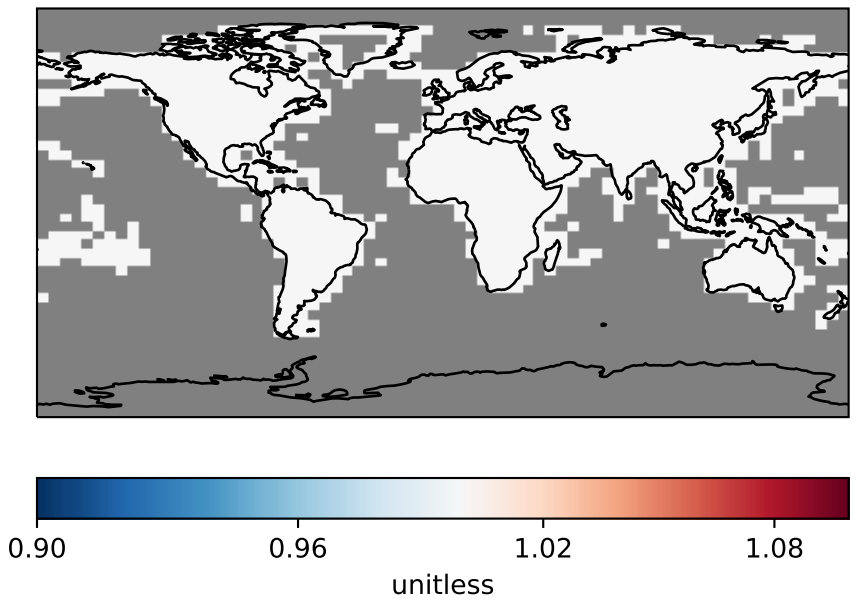
Difference
Dev - Ref, Dynamic Range



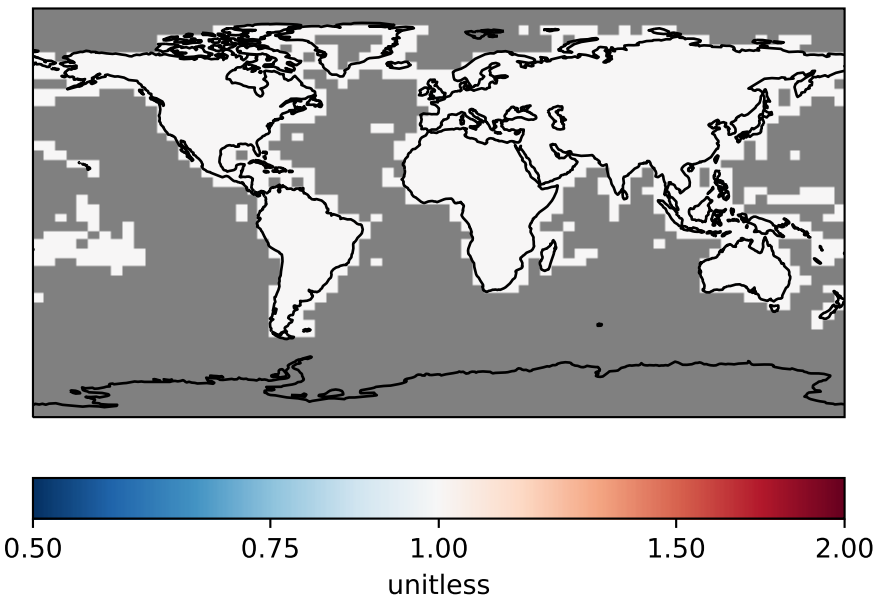
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

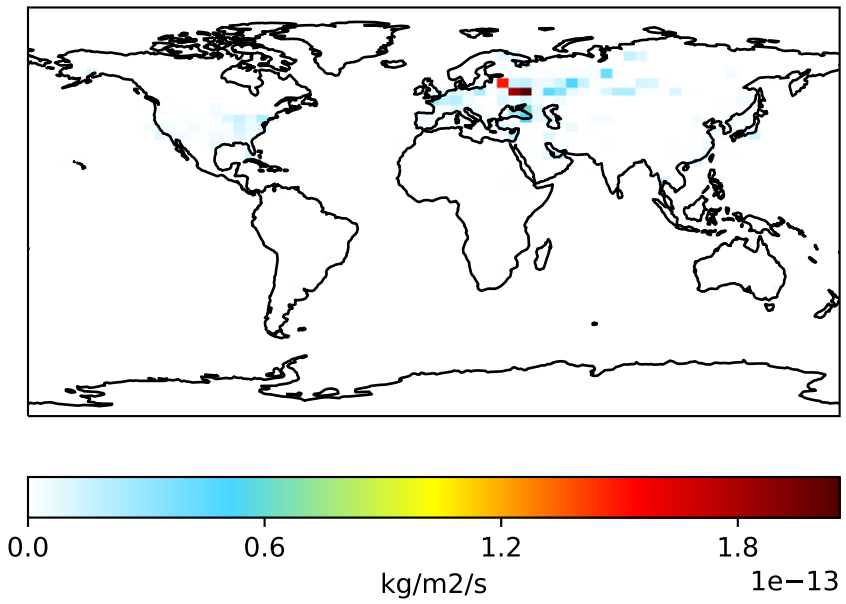


Ratio
Dev/Ref, Fixed Range

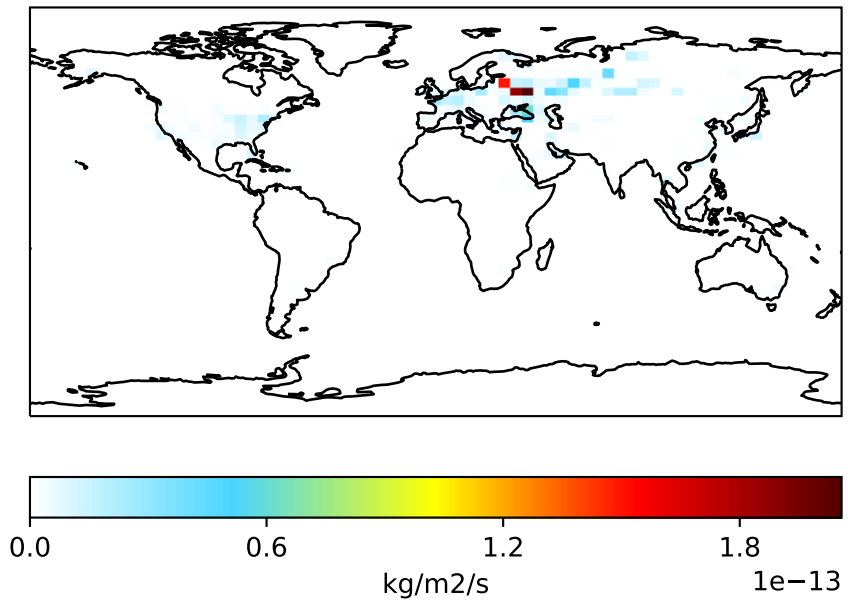


EmisRCHO_Aircraft (Jul2019)

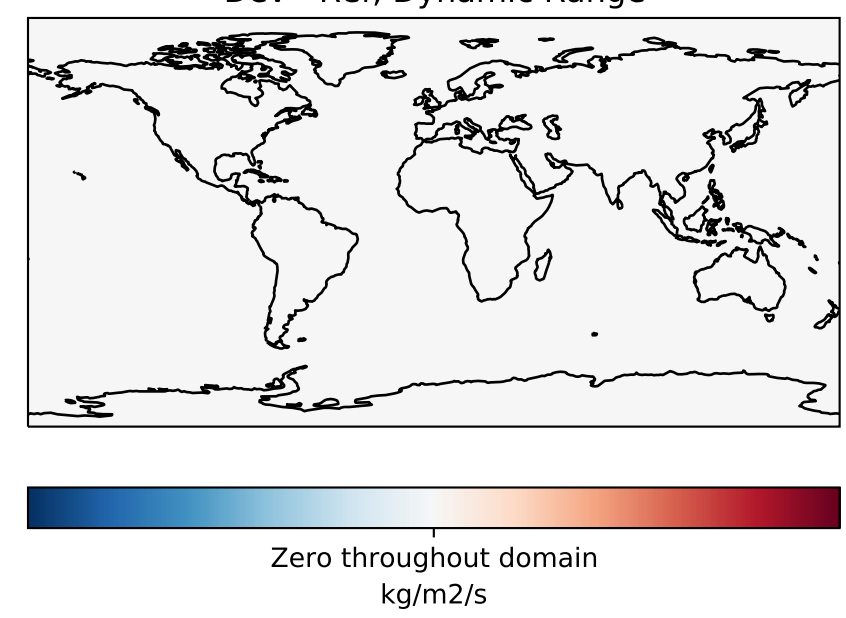
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



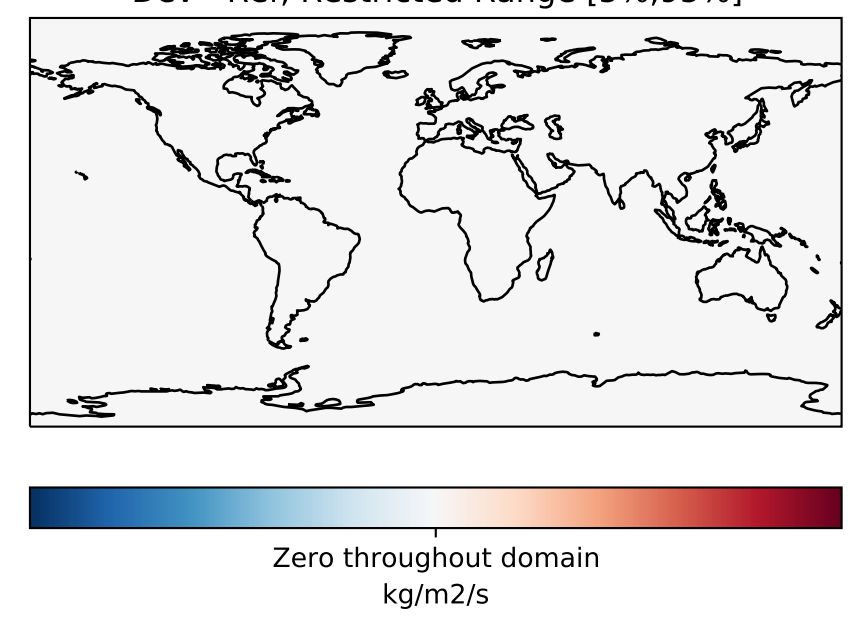
GCC_13.0.0 (Dev)
4.0x5.0



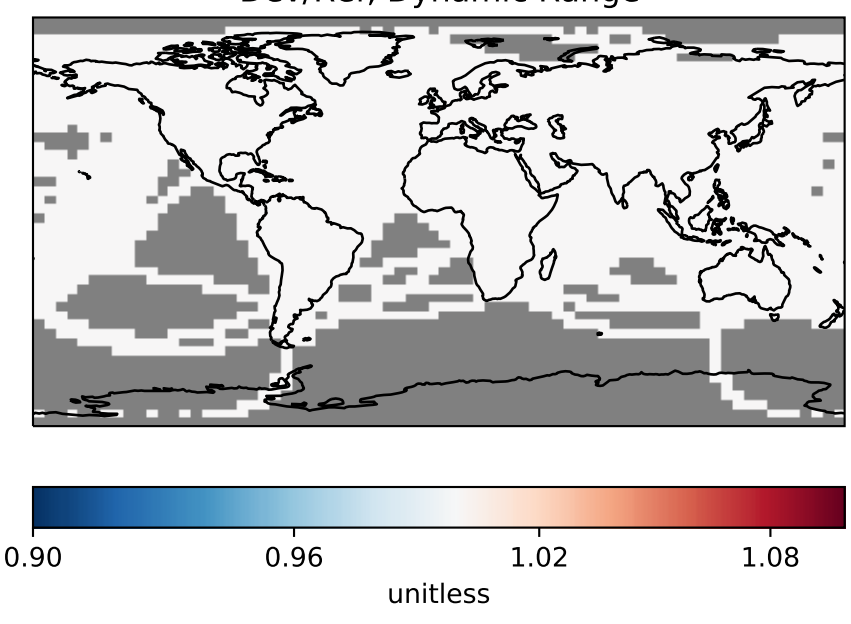
Difference
Dev - Ref, Dynamic Range



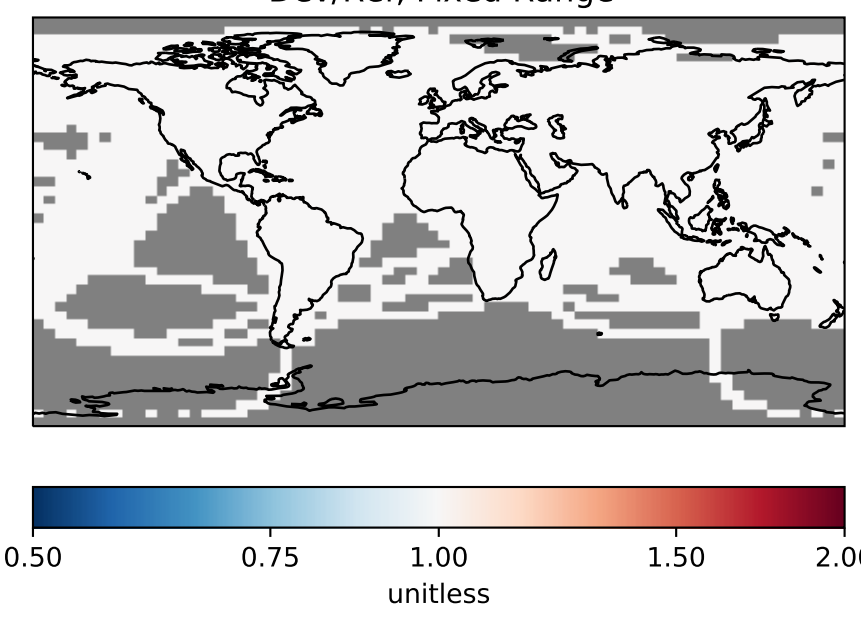
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

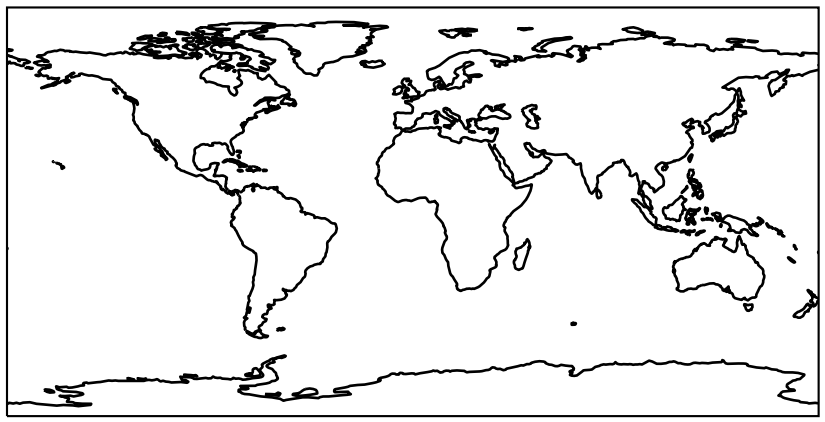


Ratio
Dev/Ref, Fixed Range



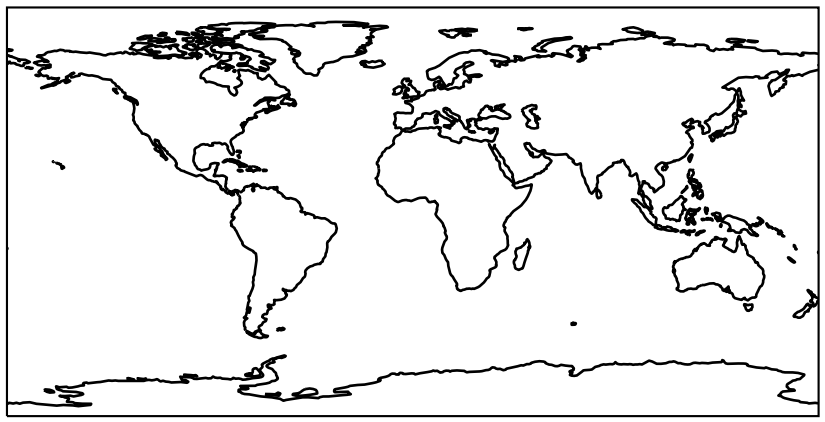
EmisRCHO_Anthro (Jul2019)

GCC_13.0.0-beta.1 (Ref)
4.0x5.0



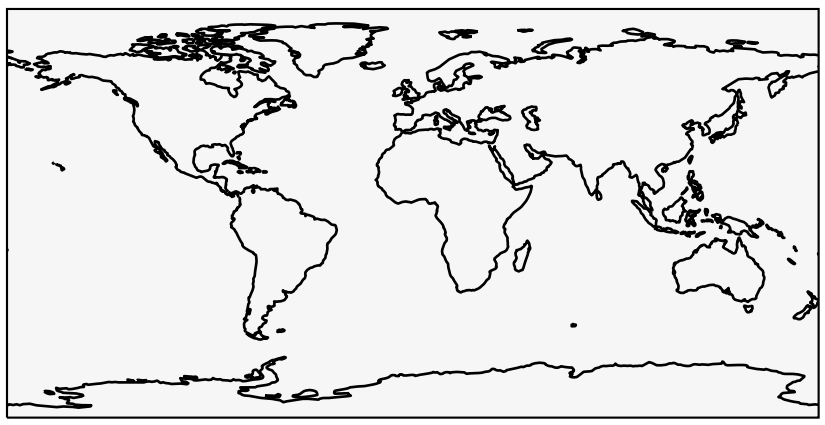
Zero throughout domain
kg/m2/s

GCC_13.0.0 (Dev)
4.0x5.0



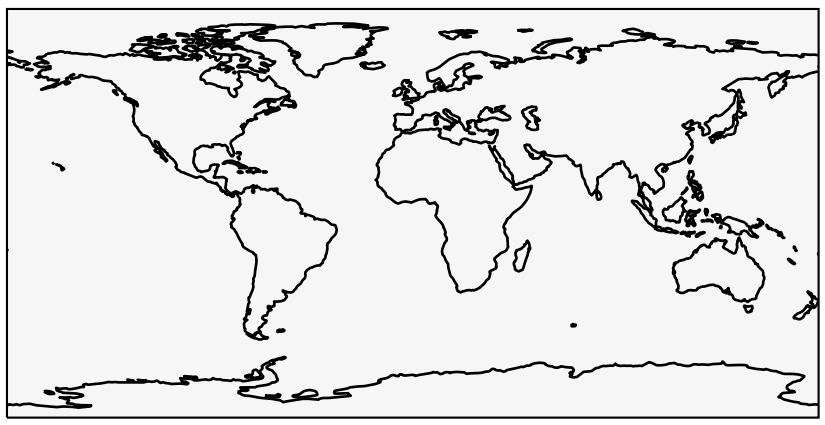
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



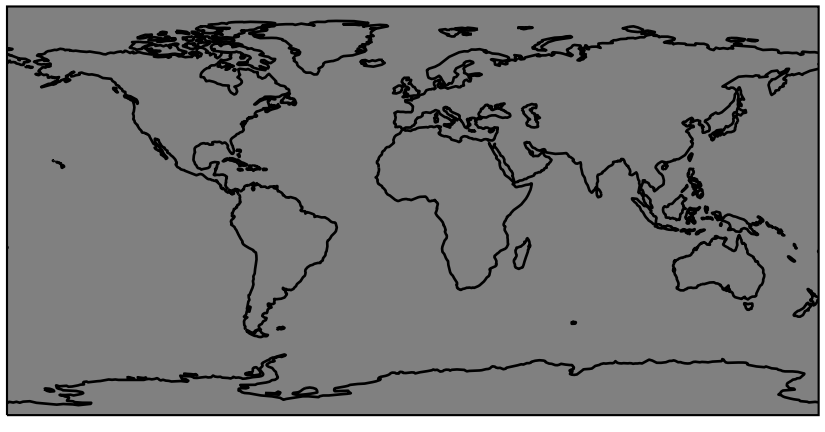
Zero throughout domain
kg/m2/s

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



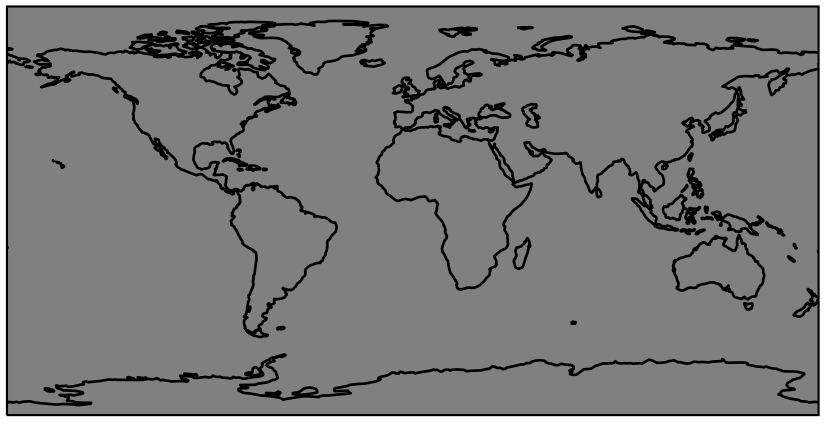
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

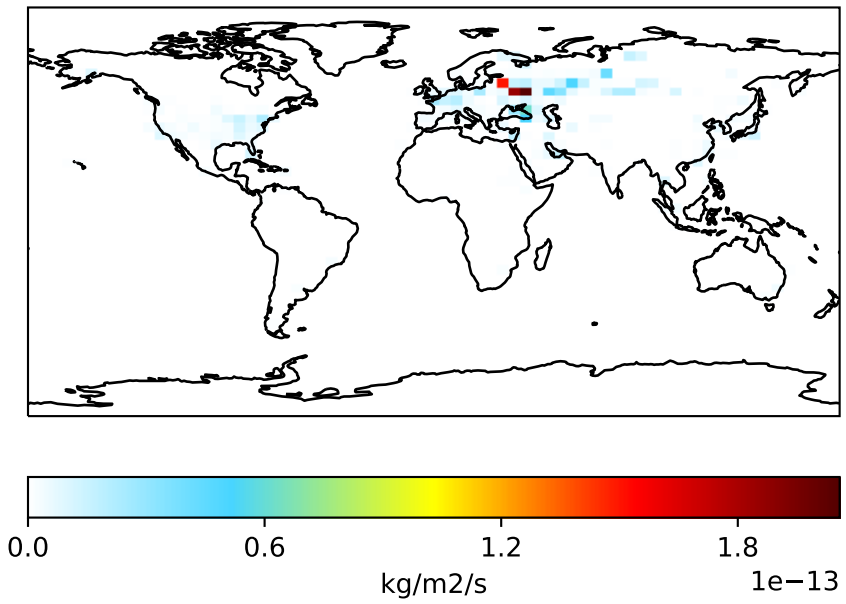
Ratio
Dev/Ref, Fixed Range



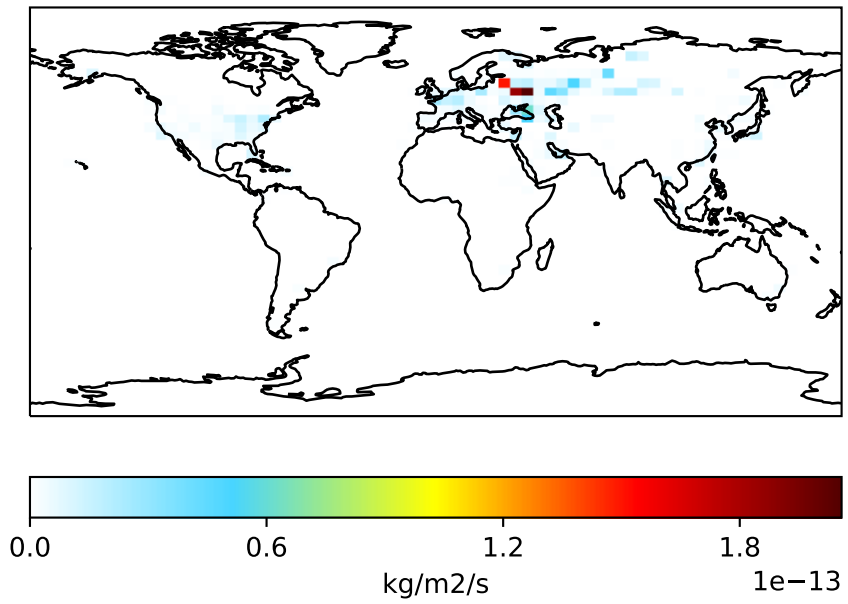
Undefined throughout domain
unitless

EmisRCHO_Total (Jul2019)

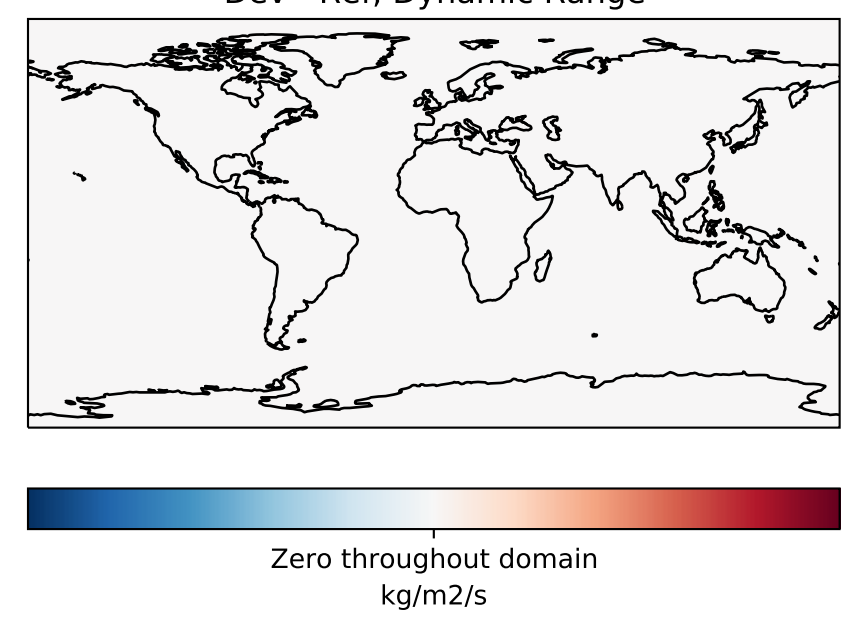
GCC_13.0.0-beta.1 (Ref)
4.0x5.0



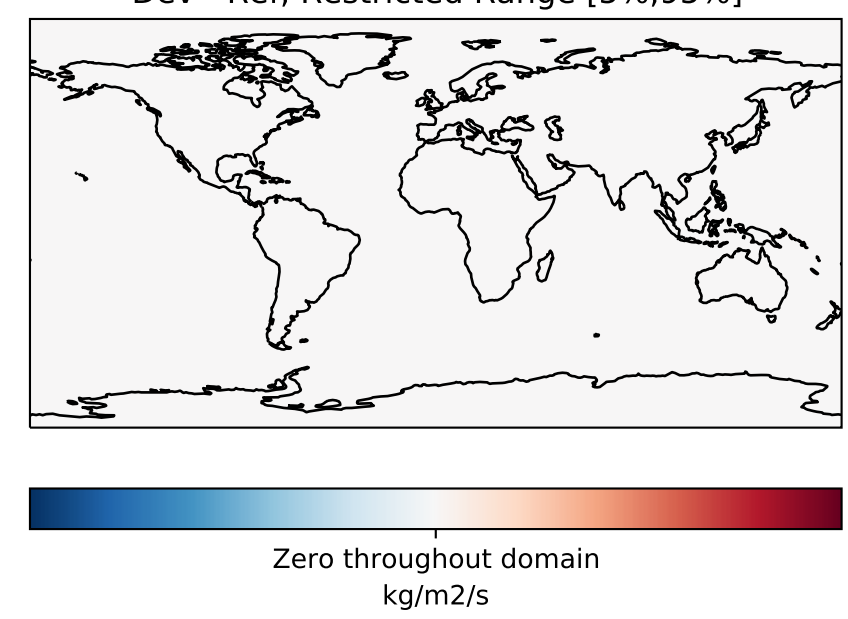
GCC_13.0.0 (Dev)
4.0x5.0



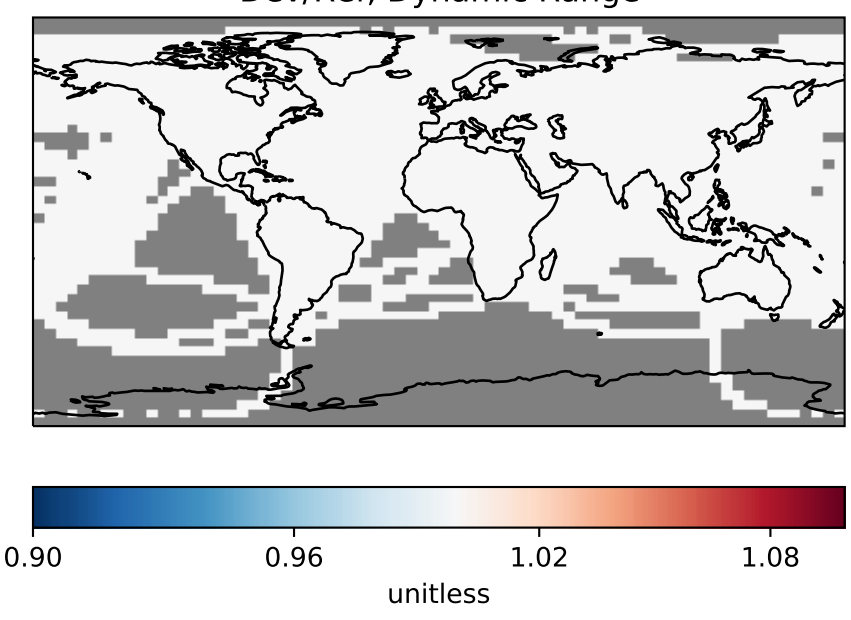
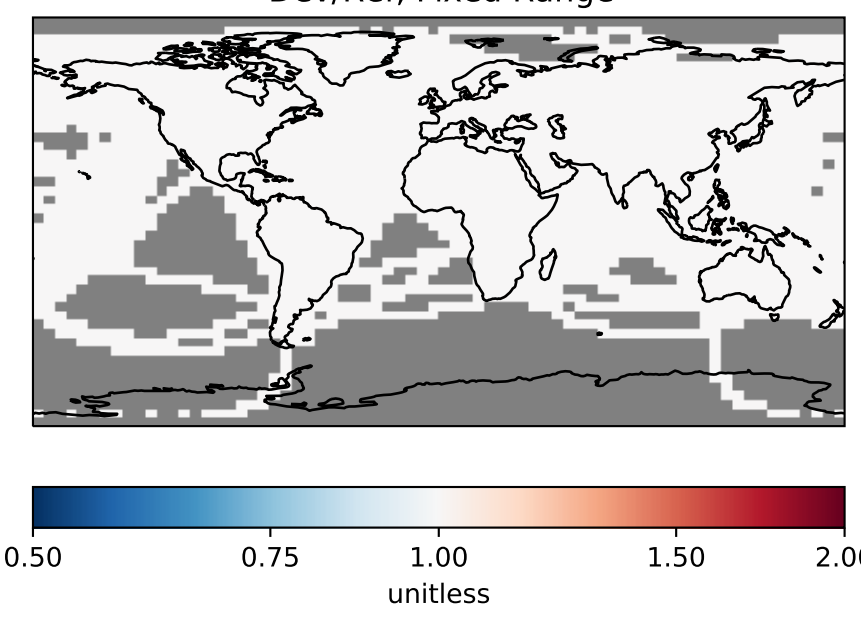
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range