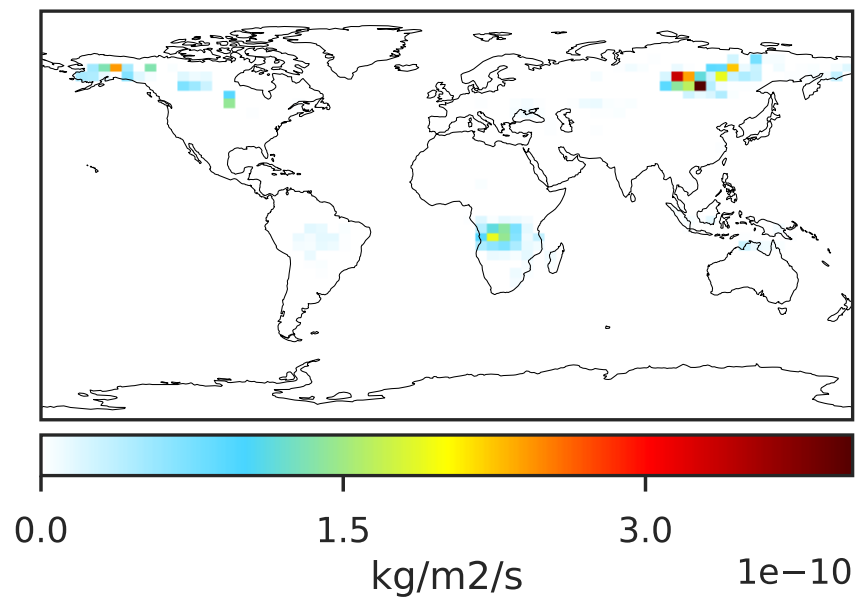
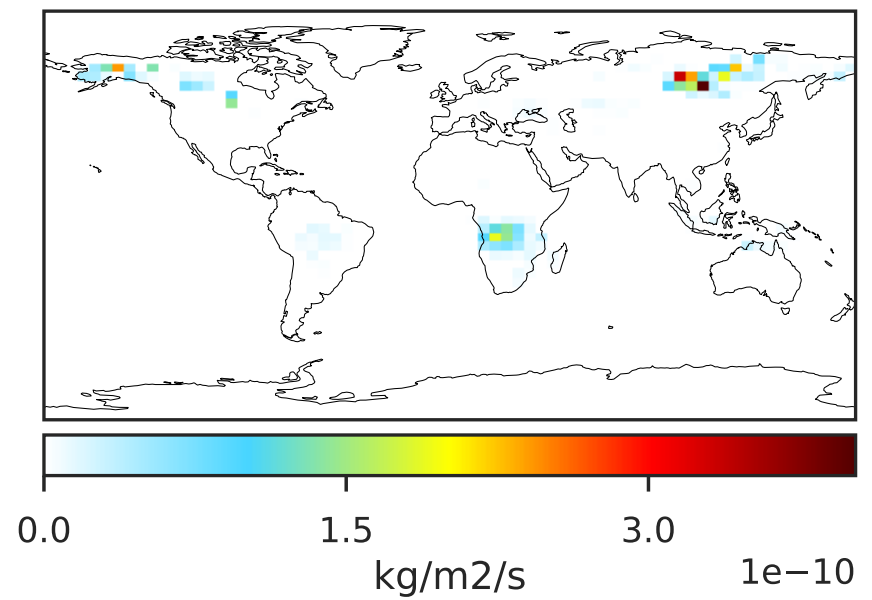


# EmisACTA\_BioBurn

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



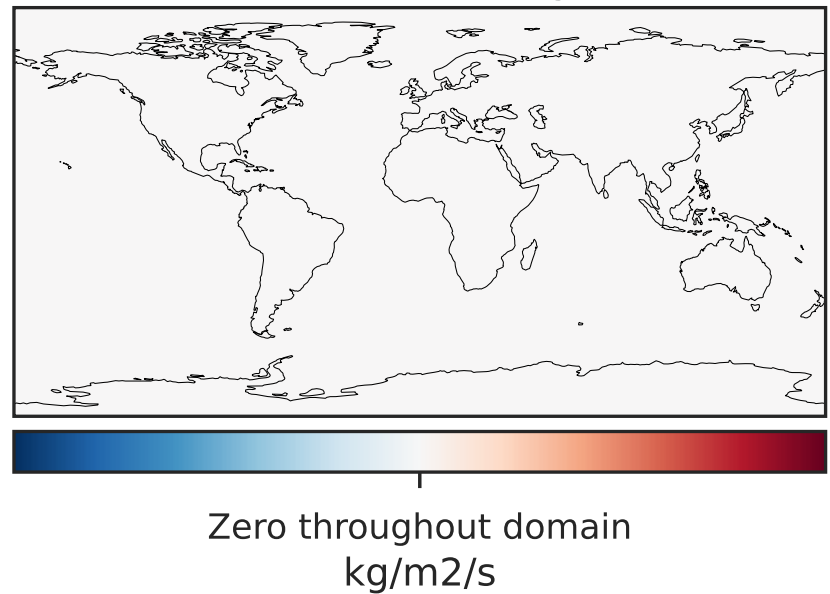
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



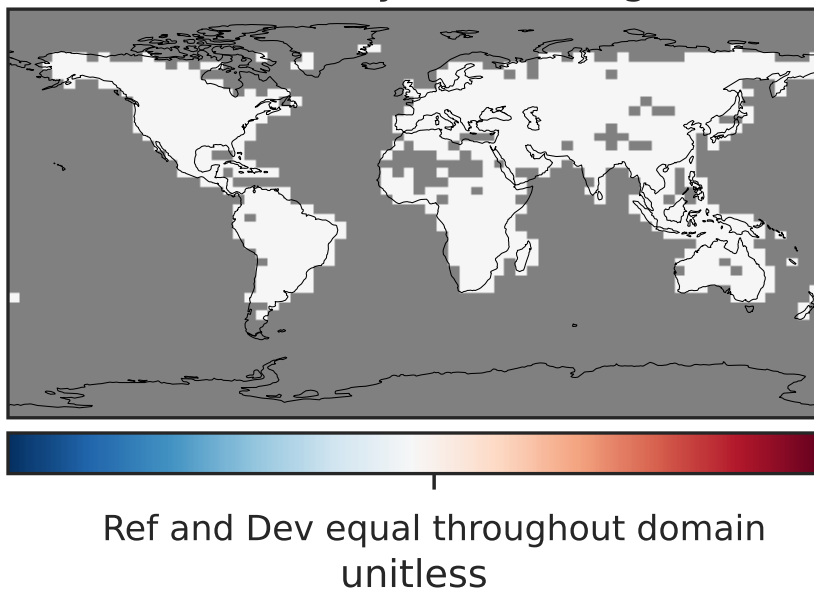
Difference  
Dev - Ref, Dynamic Range



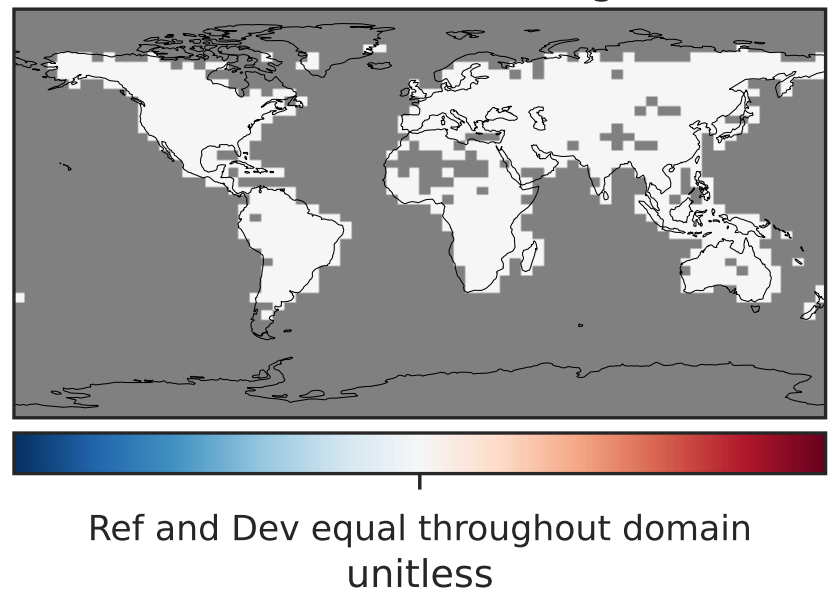
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

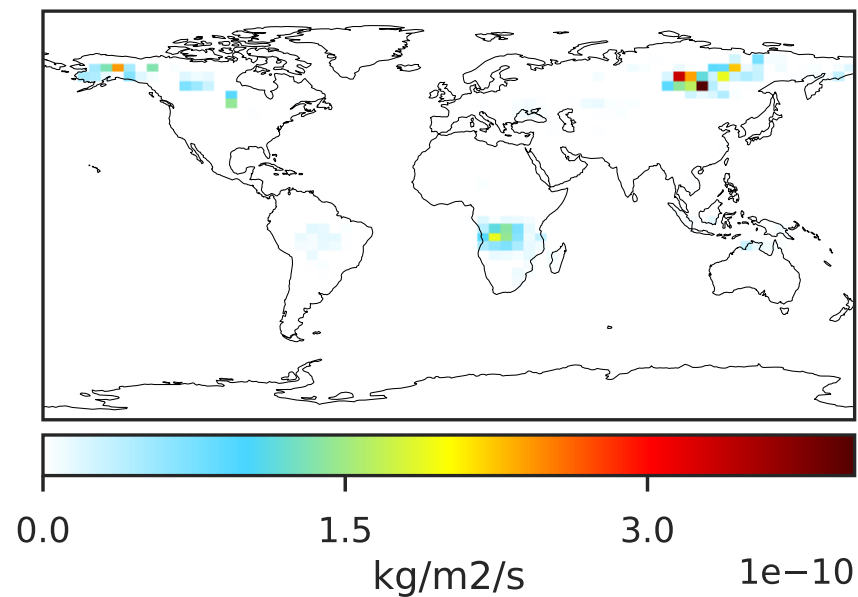


Ratio  
Dev/Ref, Fixed Range

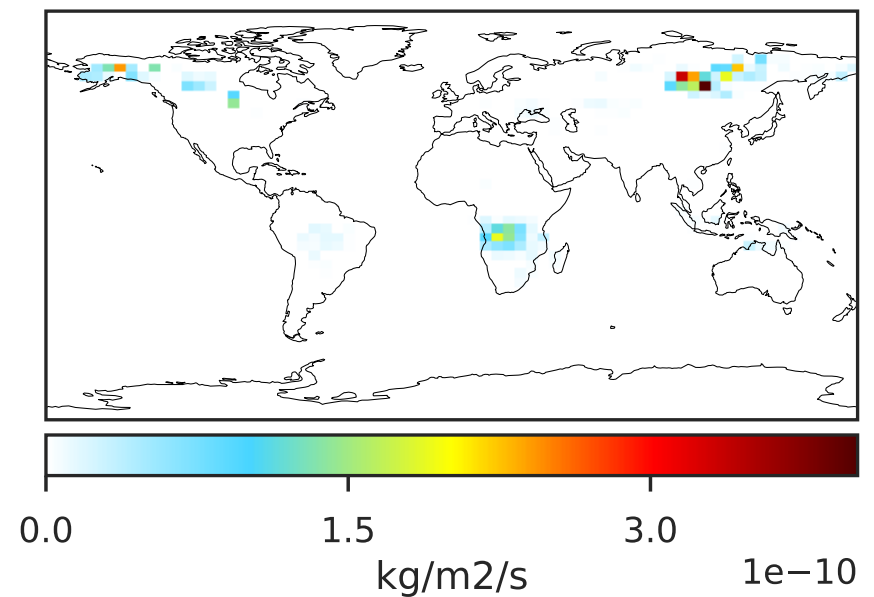


# EmisACTA\_Total

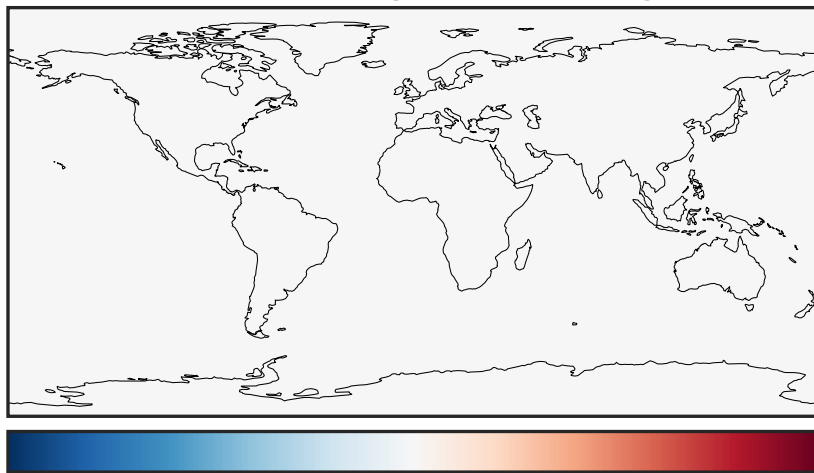
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



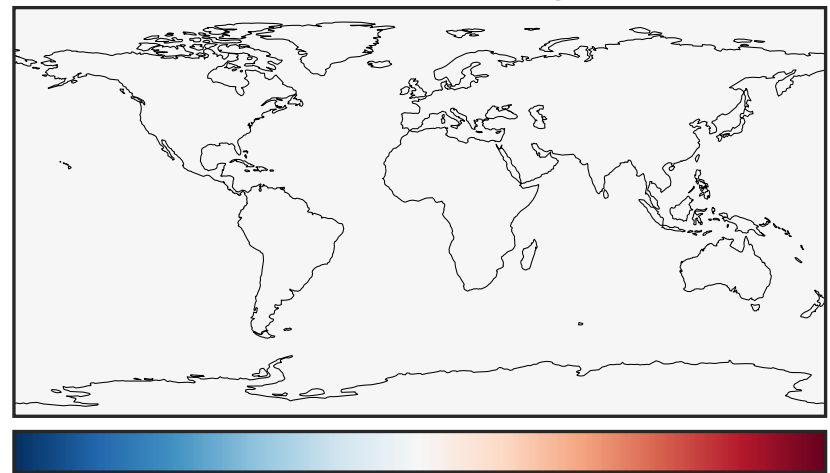
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



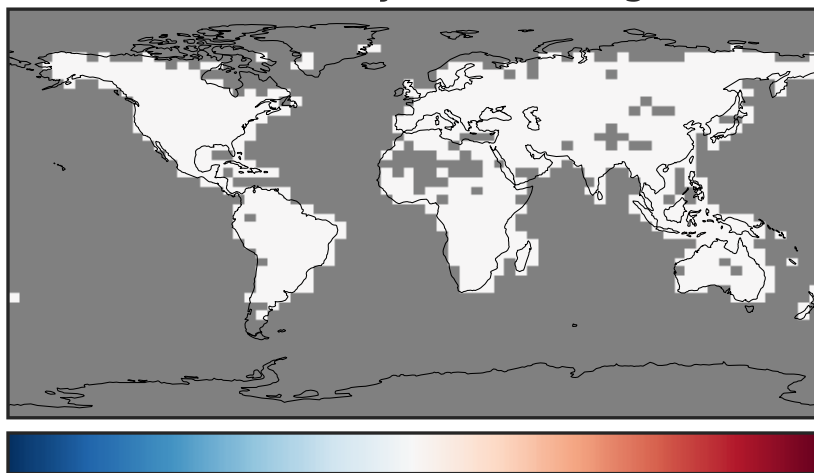
Difference  
Dev - Ref, Dynamic Range



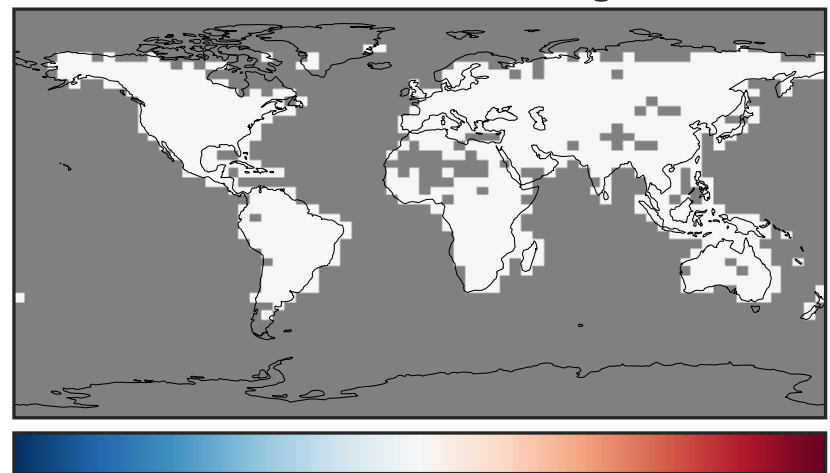
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

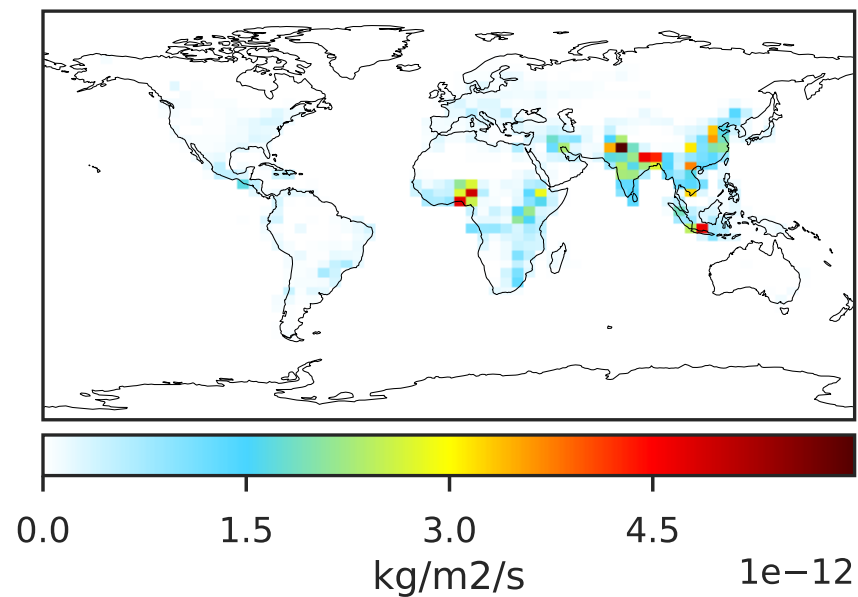


Ratio  
Dev/Ref, Fixed Range

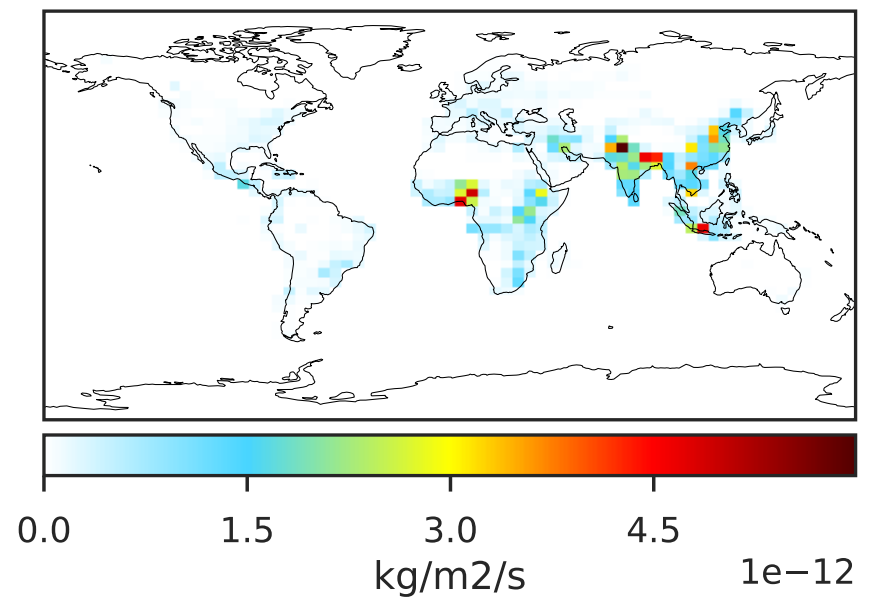


# EmisALD2\_Anthro

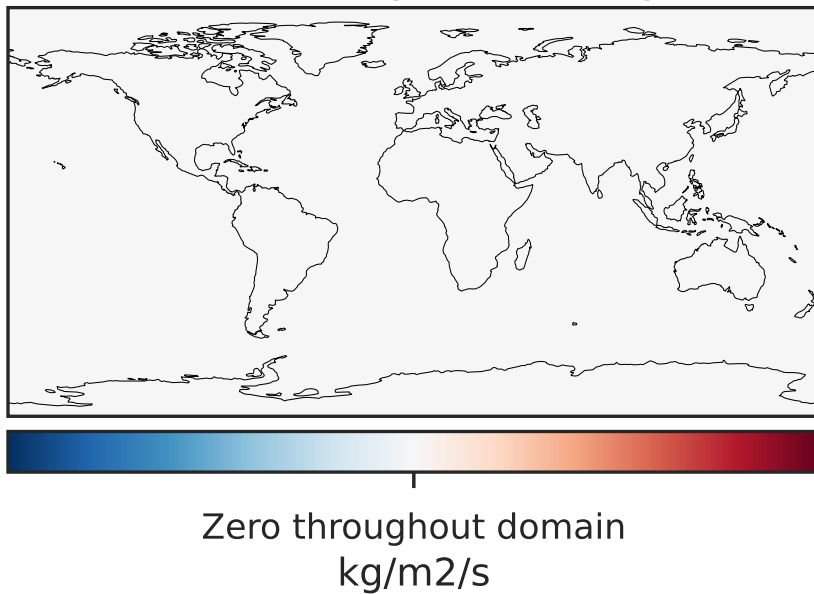
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



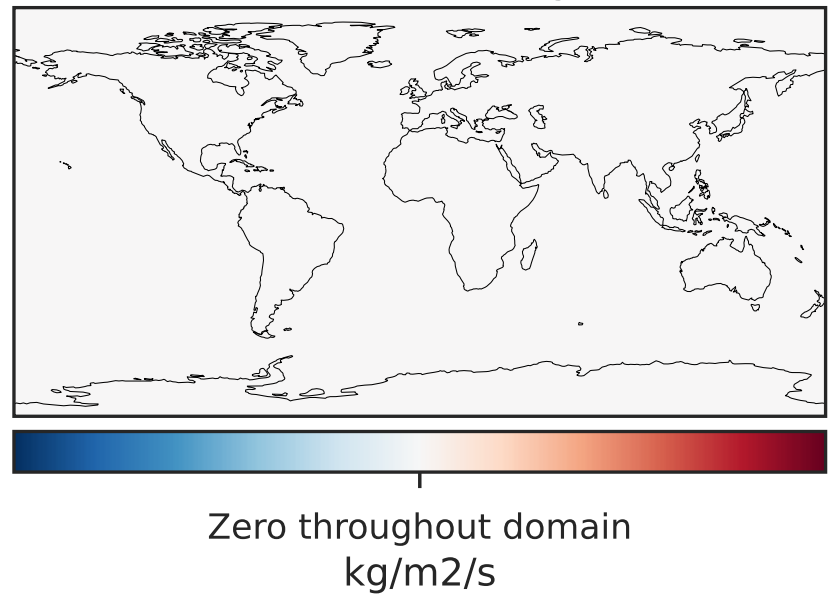
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



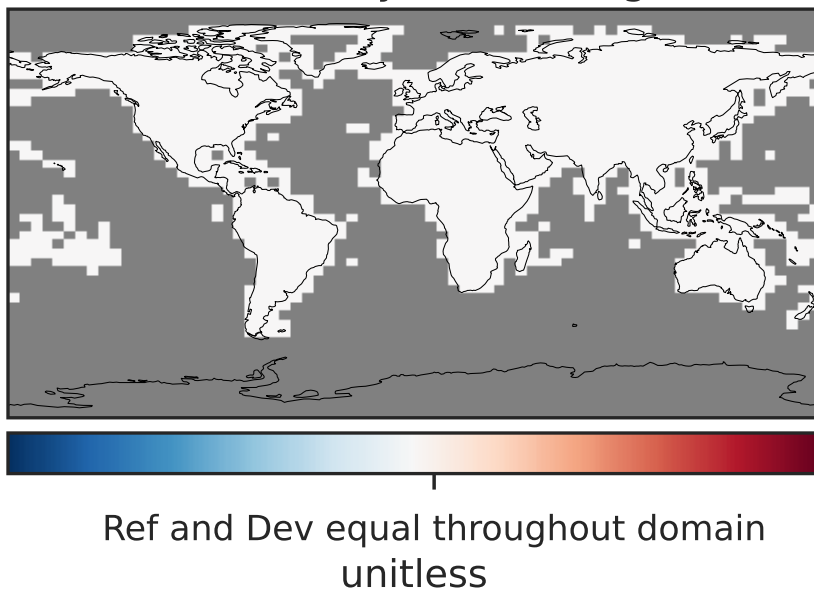
Difference  
Dev - Ref, Dynamic Range



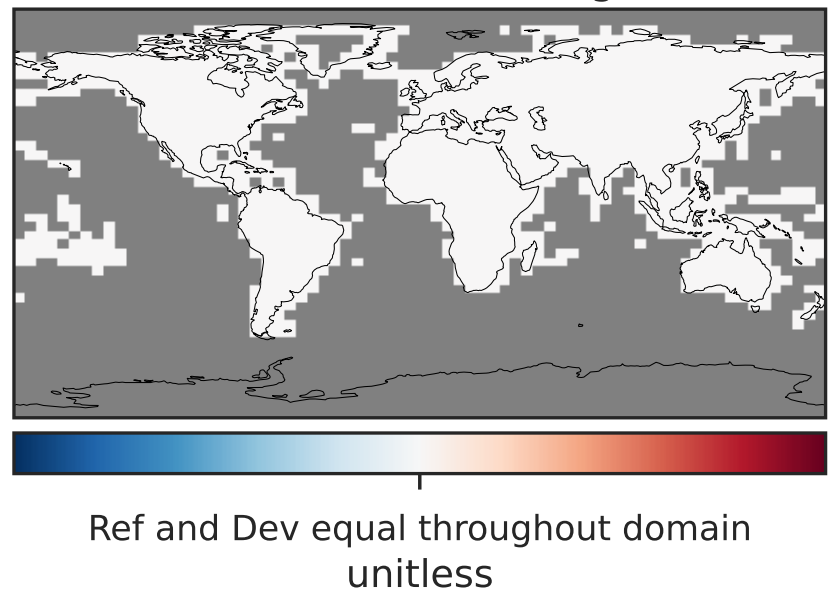
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

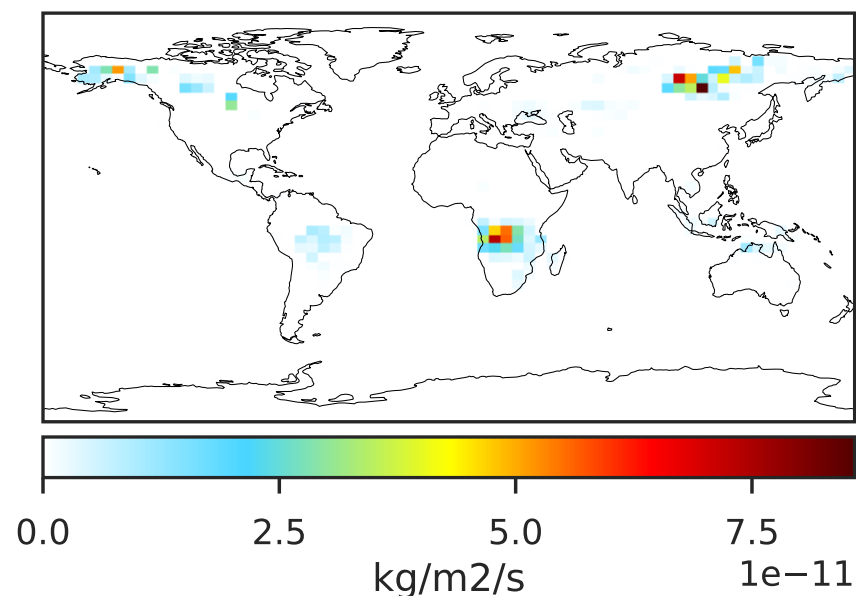


Ratio  
Dev/Ref, Fixed Range

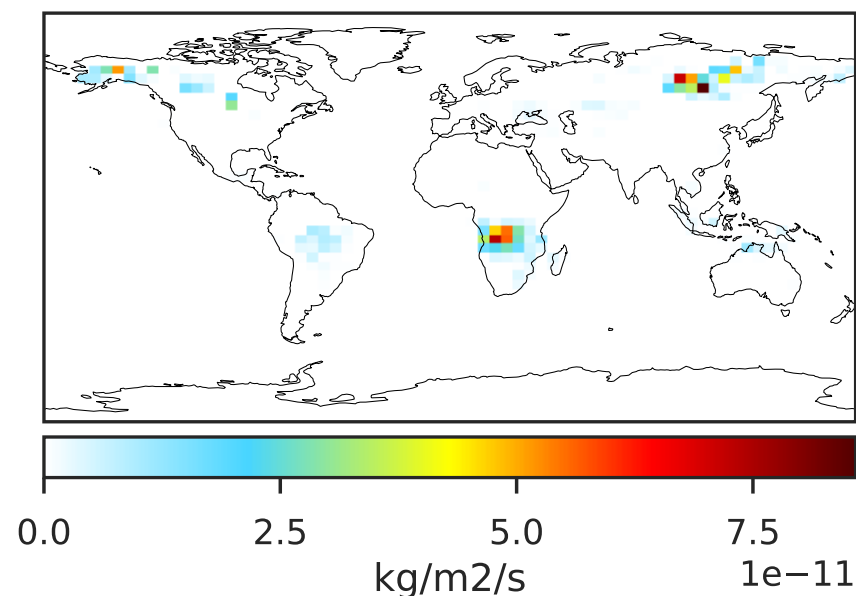


# EmisALD2\_BioBurn

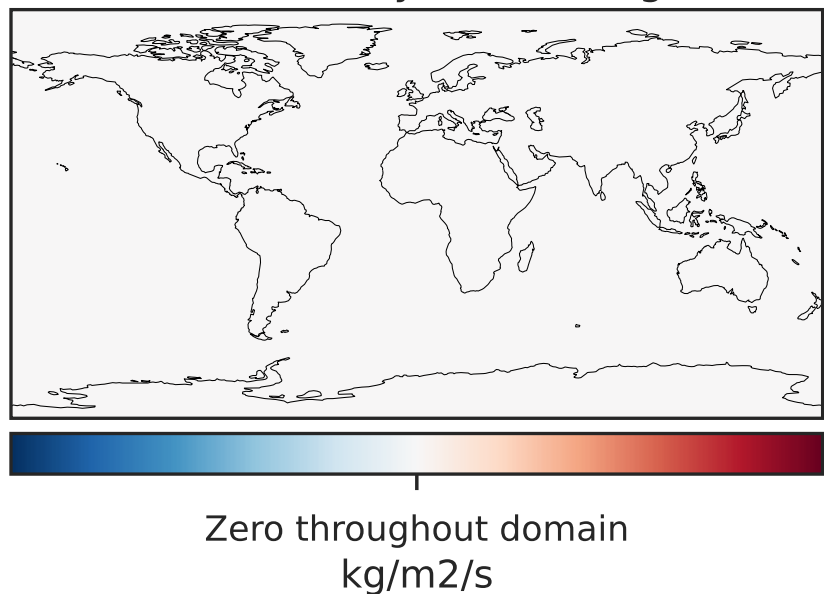
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



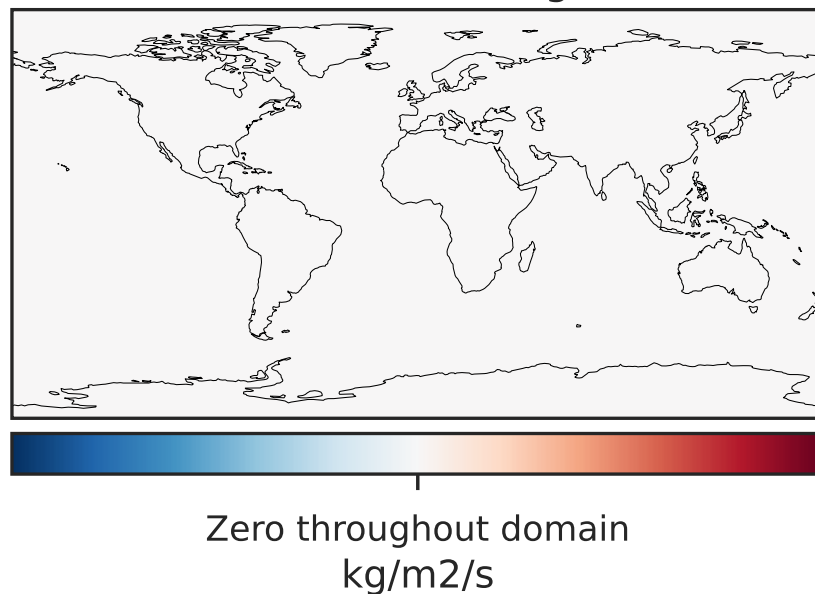
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



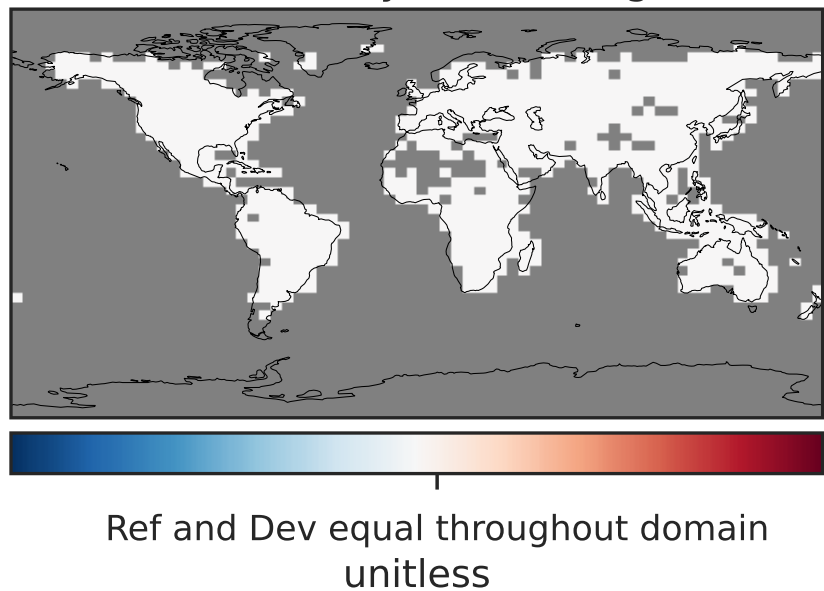
Difference  
Dev - Ref, Dynamic Range



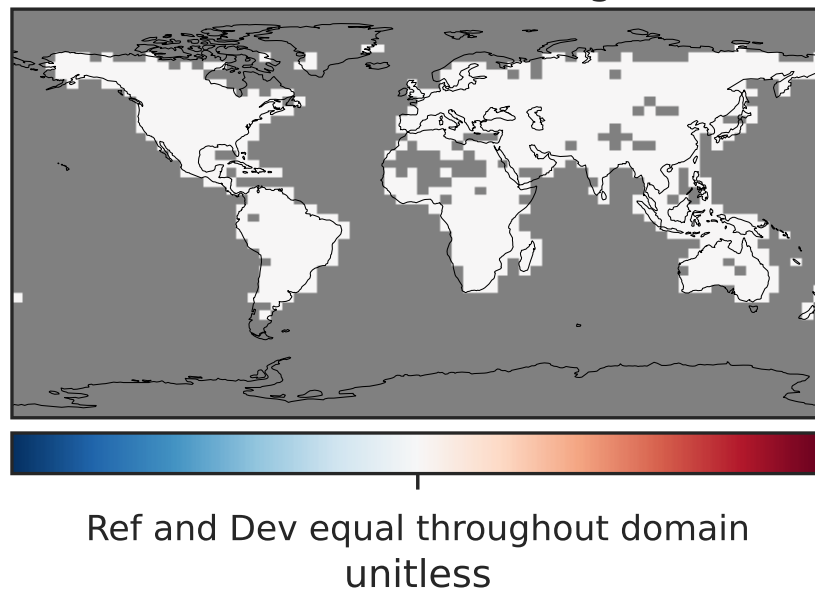
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



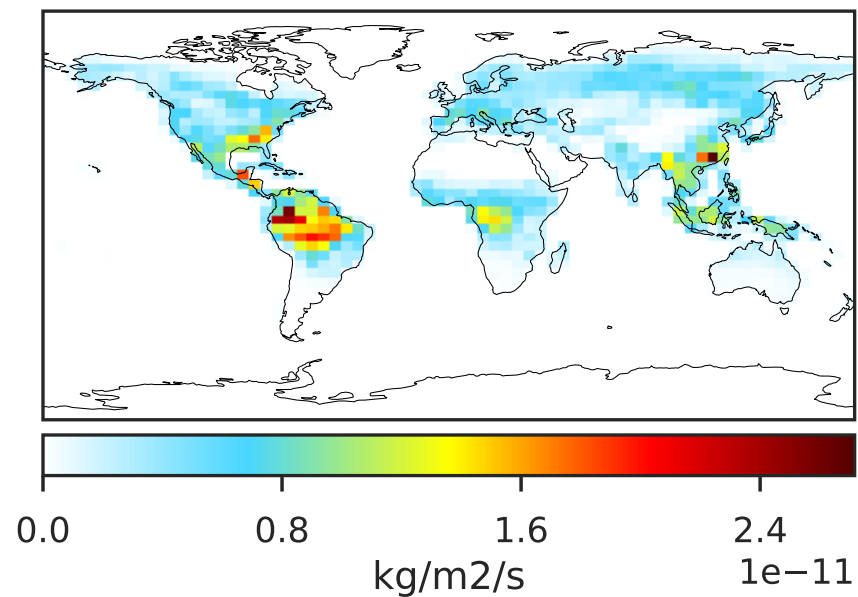
Ratio  
Dev/Ref, Fixed Range



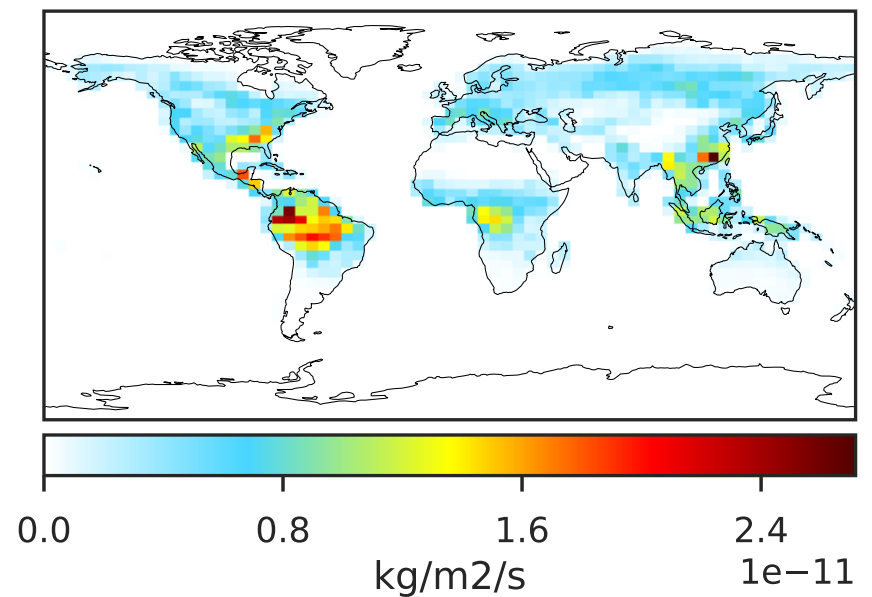


# EmisALD2\_Biogenic

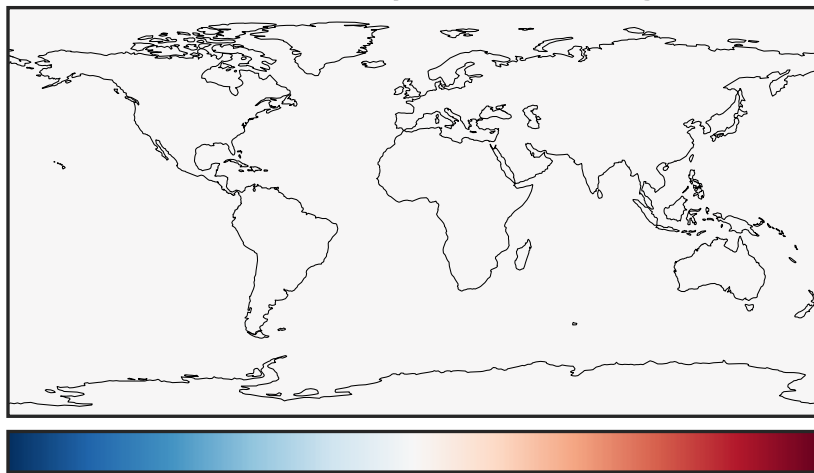
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



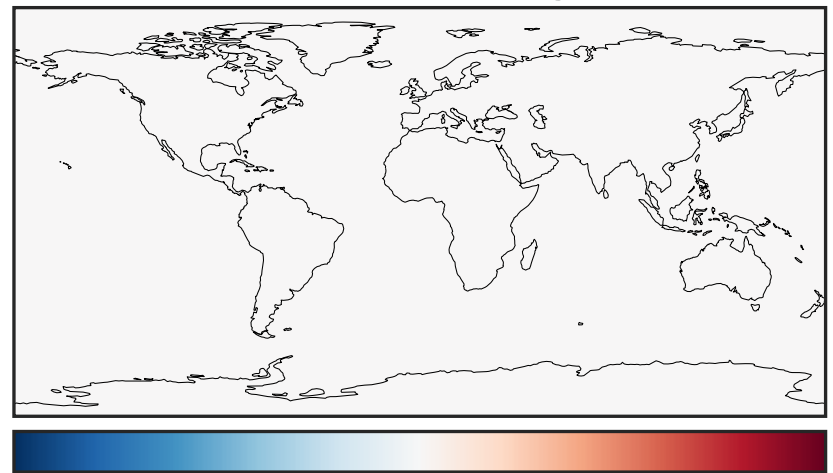
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



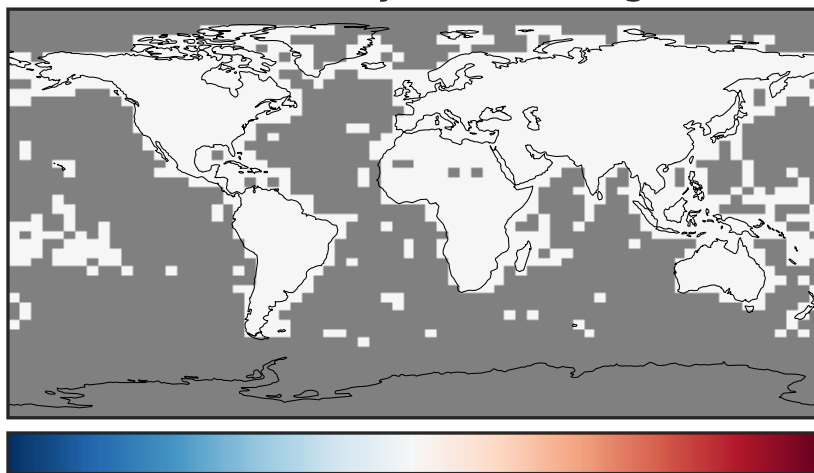
Difference  
Dev - Ref, Dynamic Range



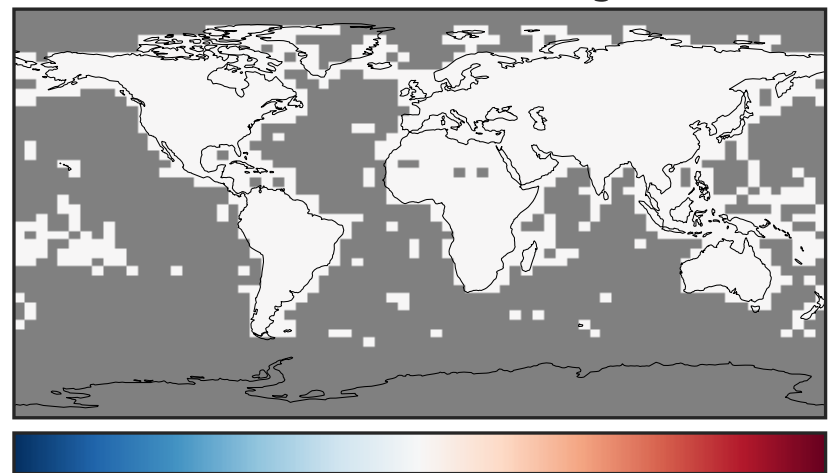
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

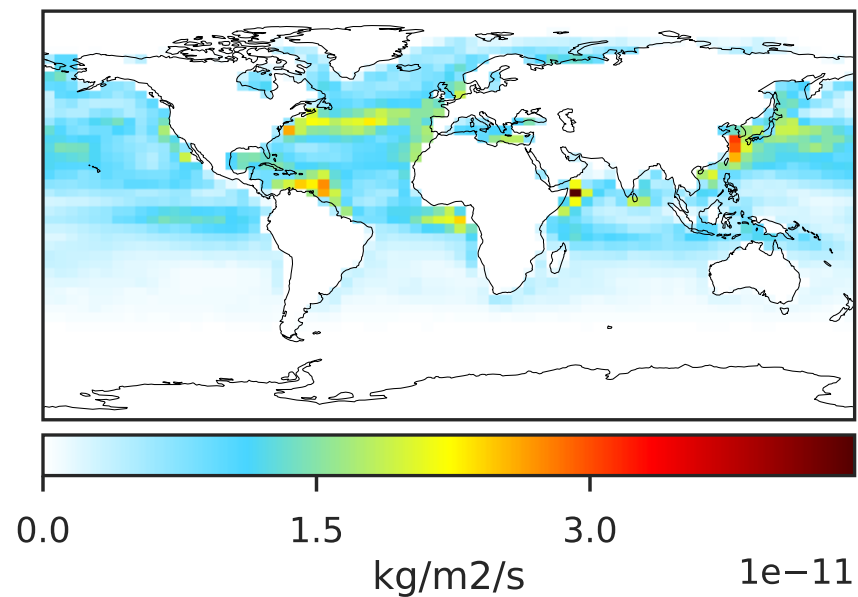


Ratio  
Dev/Ref, Fixed Range

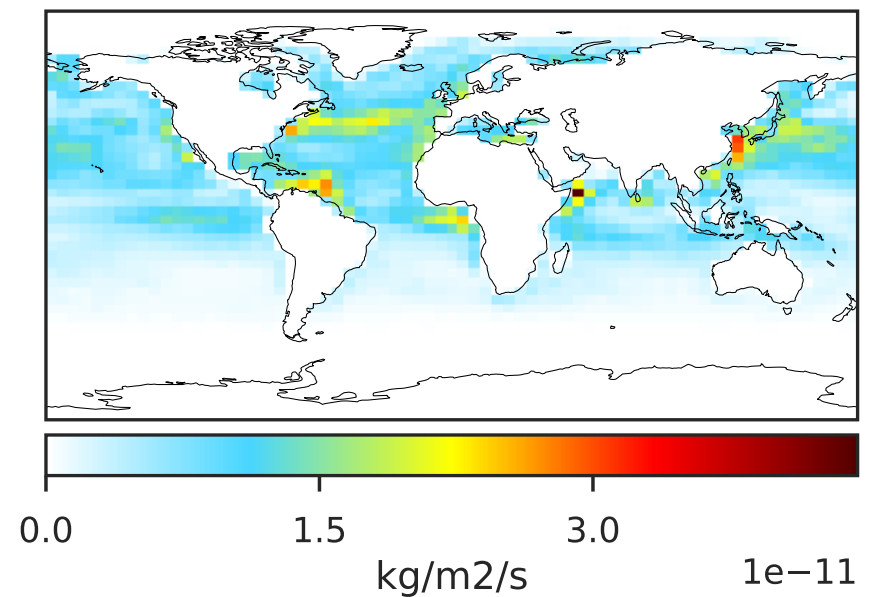


# EmisALD2\_Ocean

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



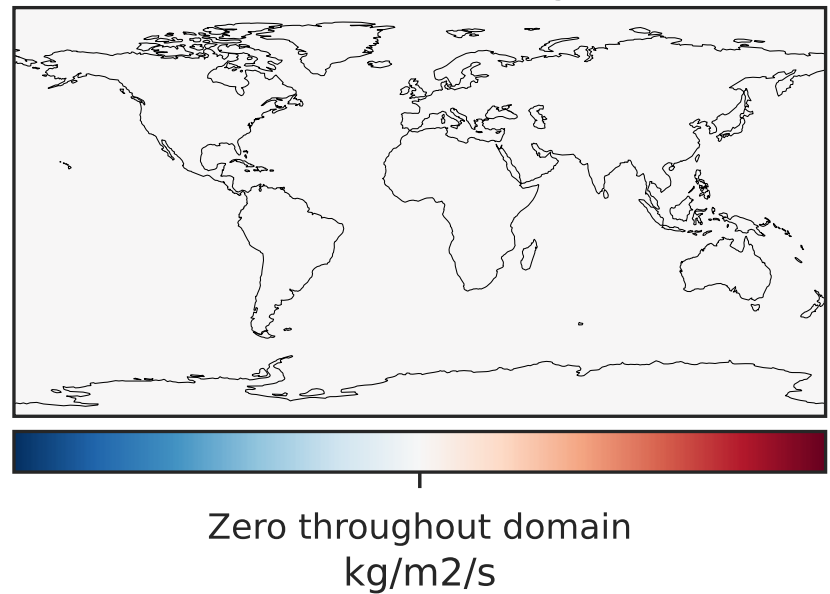
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



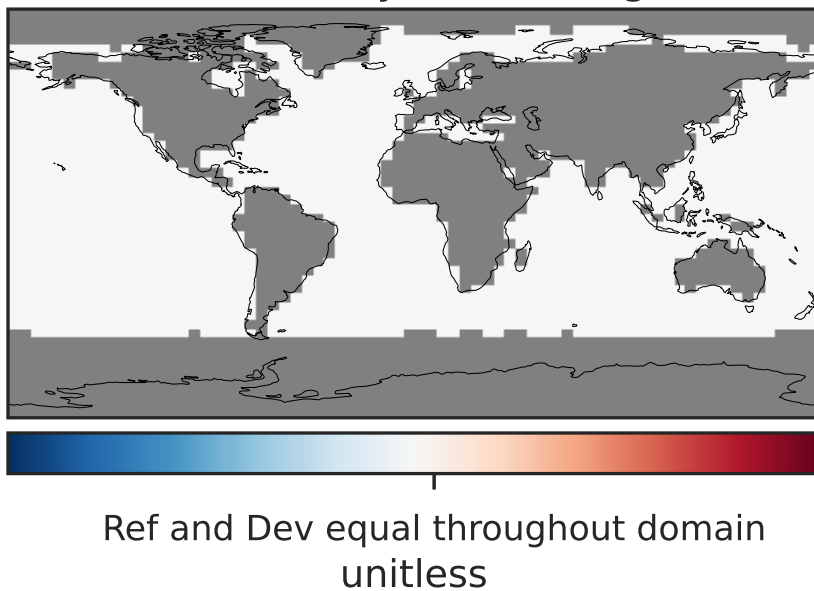
Difference  
Dev - Ref, Dynamic Range



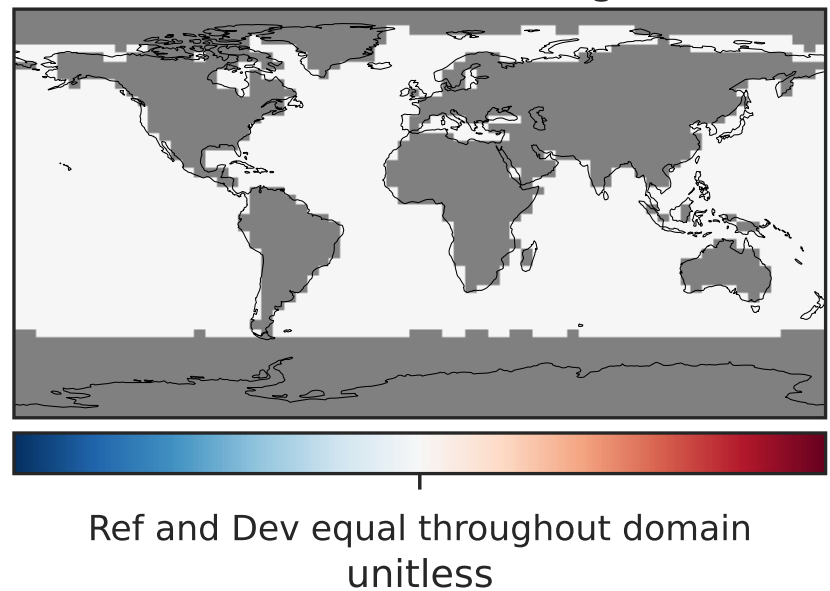
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

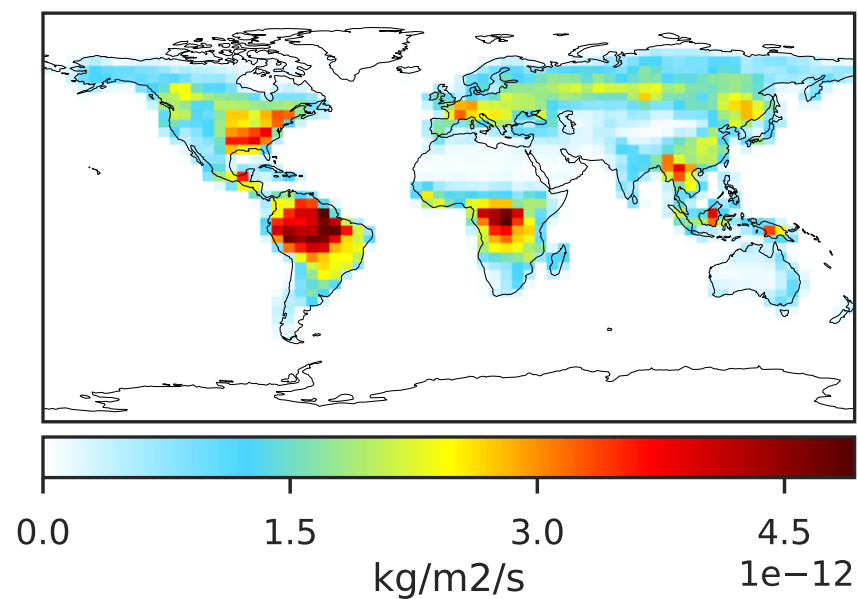


Ratio  
Dev/Ref, Fixed Range

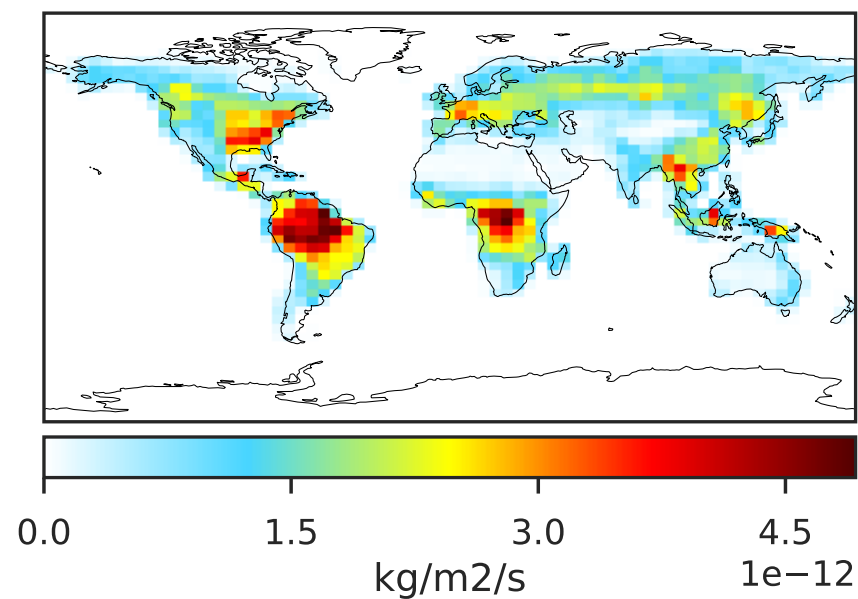


# EmisALD2\_PlantDecay

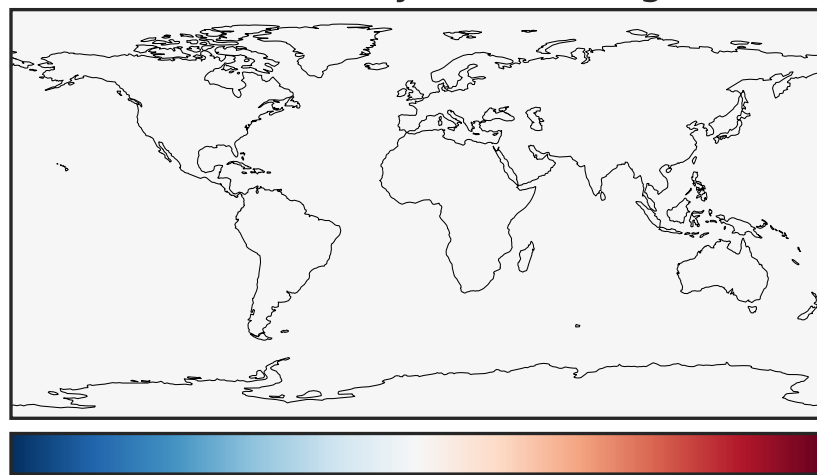
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



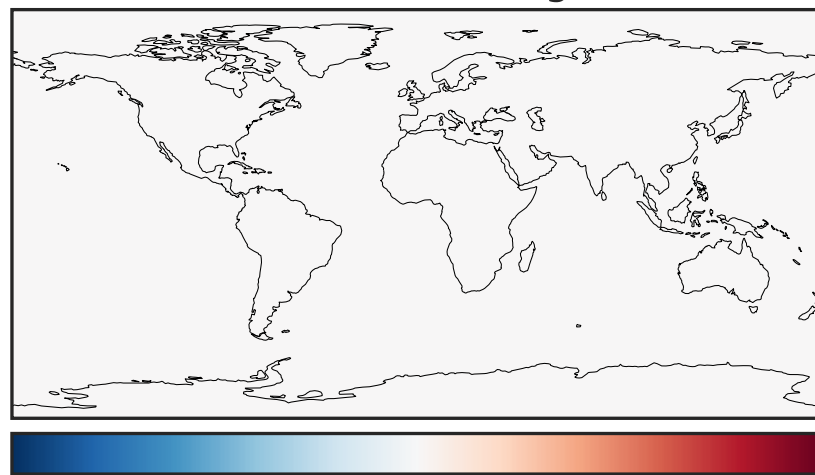
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



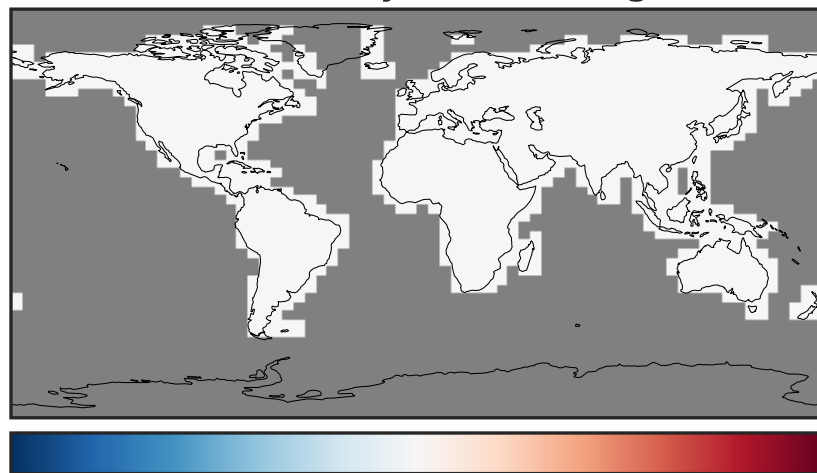
Difference  
Dev - Ref, Dynamic Range



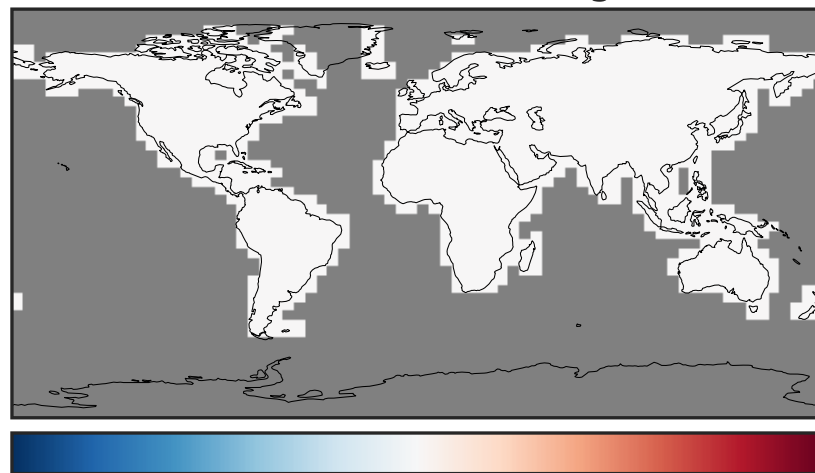
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



# EmisALD2\_Ship

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



Zero throughout domain  
kg/m2/s

gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



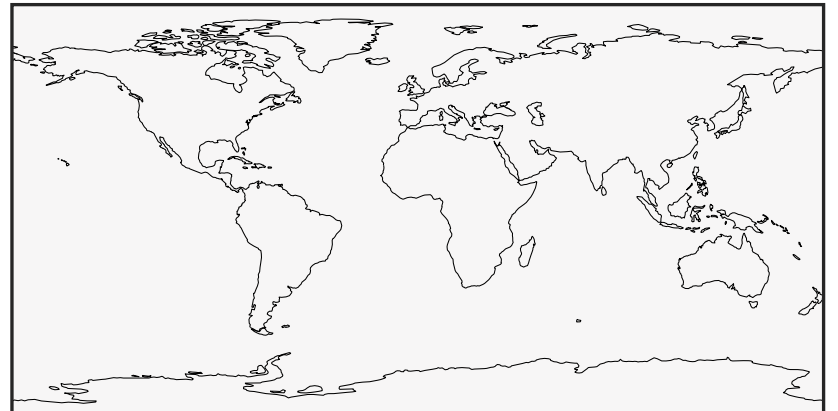
Zero throughout domain  
kg/m2/s

Difference  
Dev - Ref, Dynamic Range



Zero throughout domain  
kg/m2/s

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



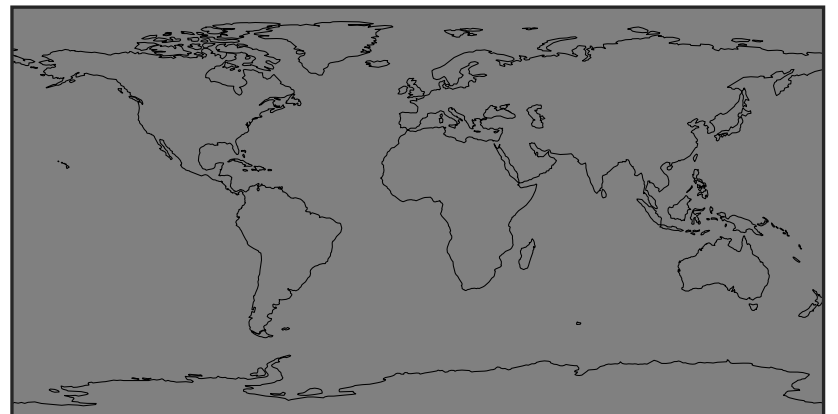
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

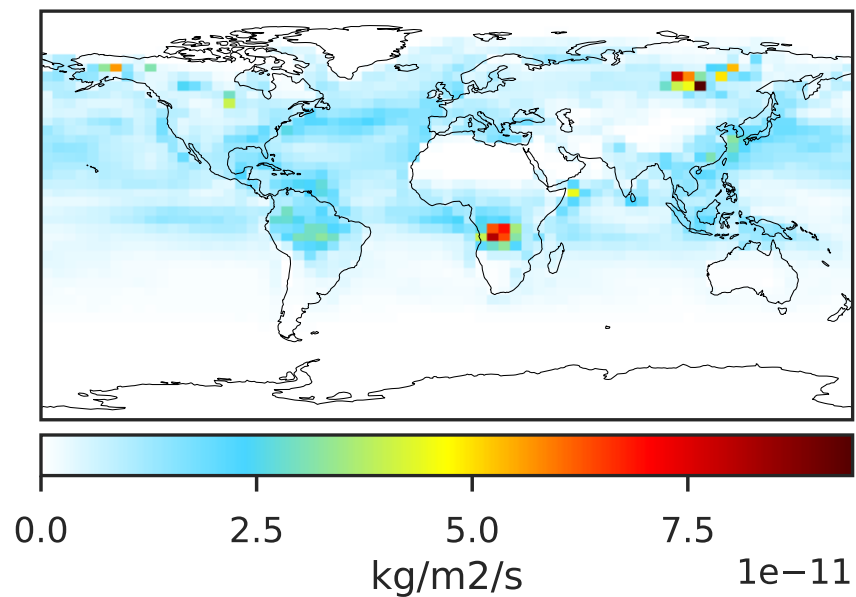
Ratio  
Dev/Ref, Fixed Range



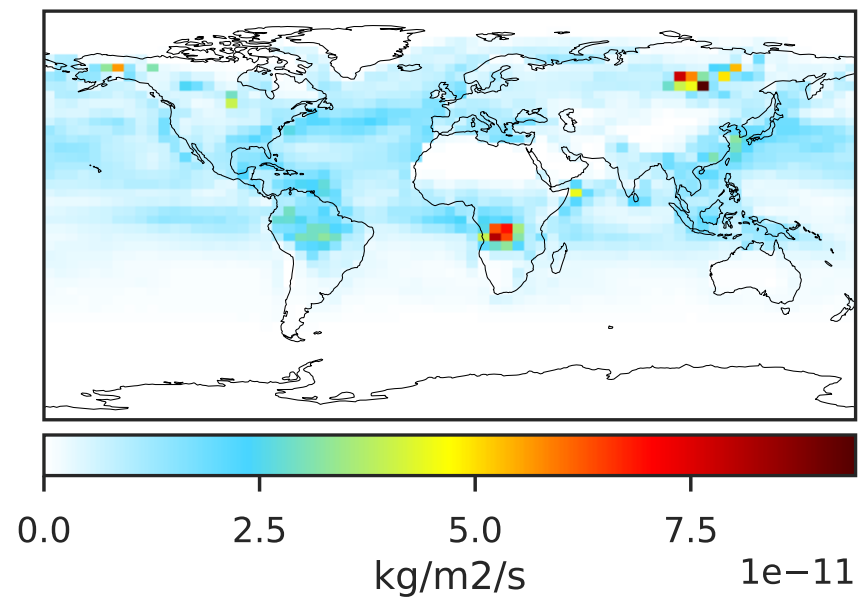
Undefined throughout domain  
unitless

# EmisALD2\_Total

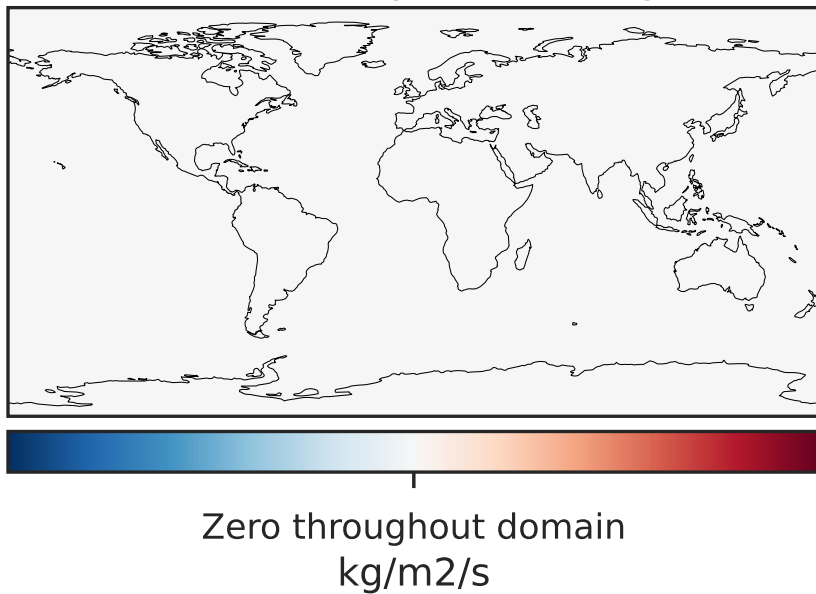
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



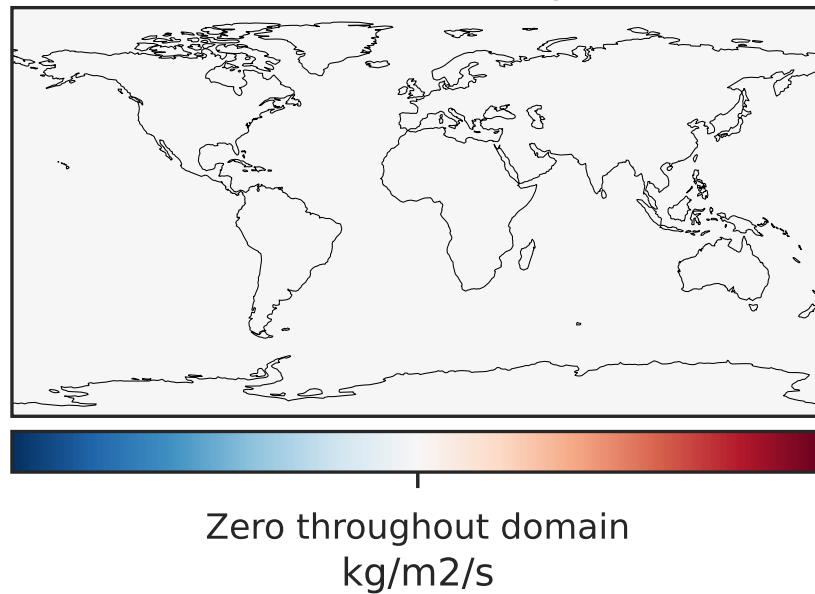
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



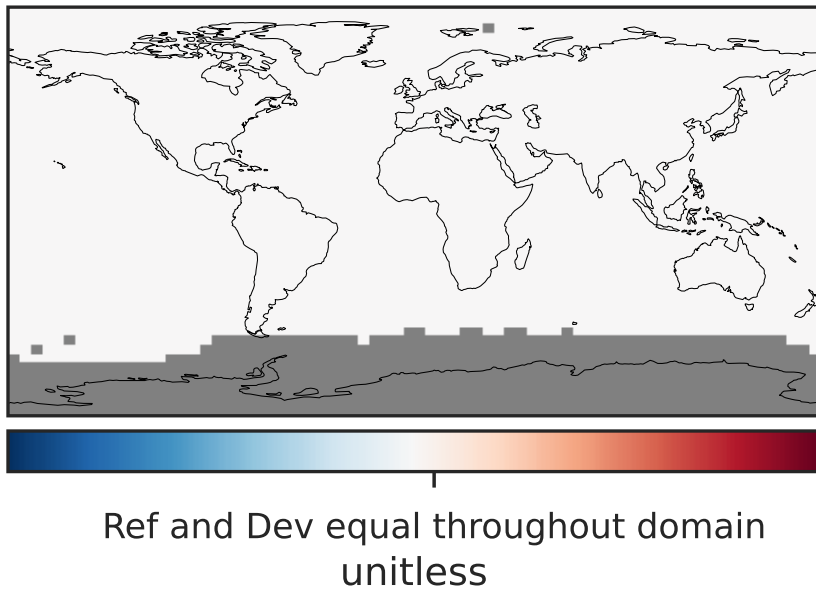
Difference  
Dev - Ref, Dynamic Range



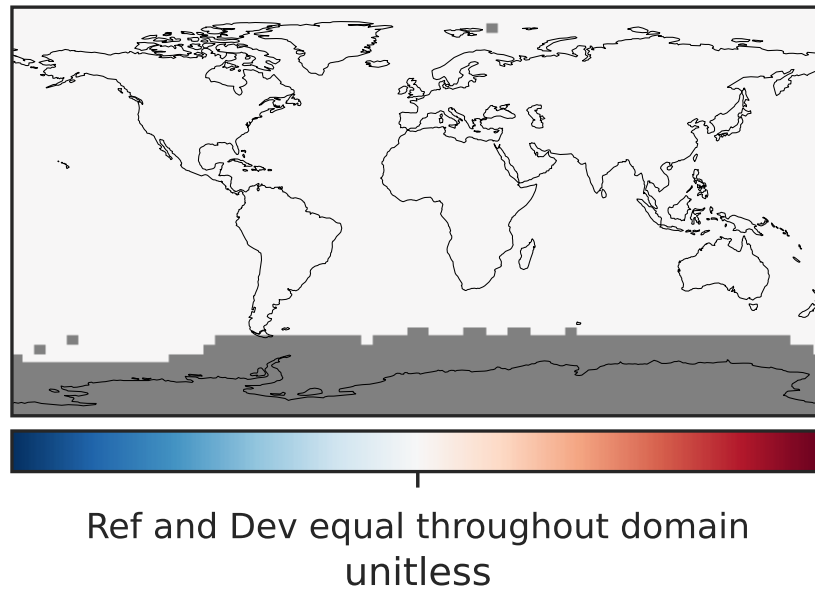
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



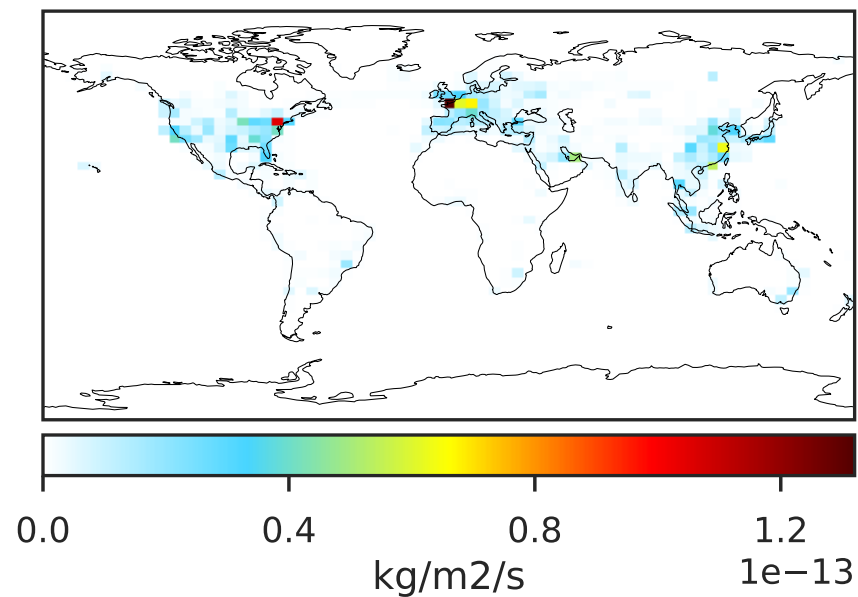
Ratio  
Dev/Ref, Fixed Range



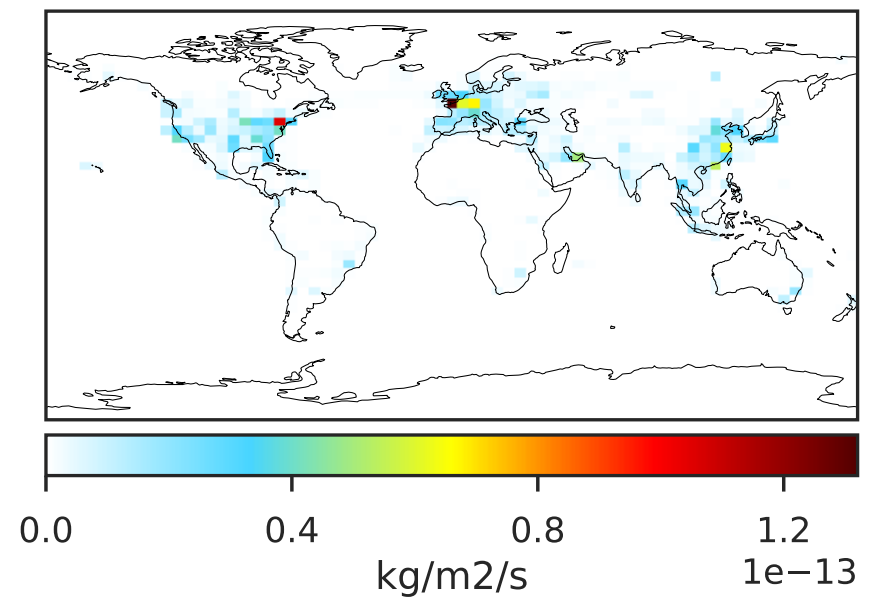


# EmisCH2O\_Aircraft

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



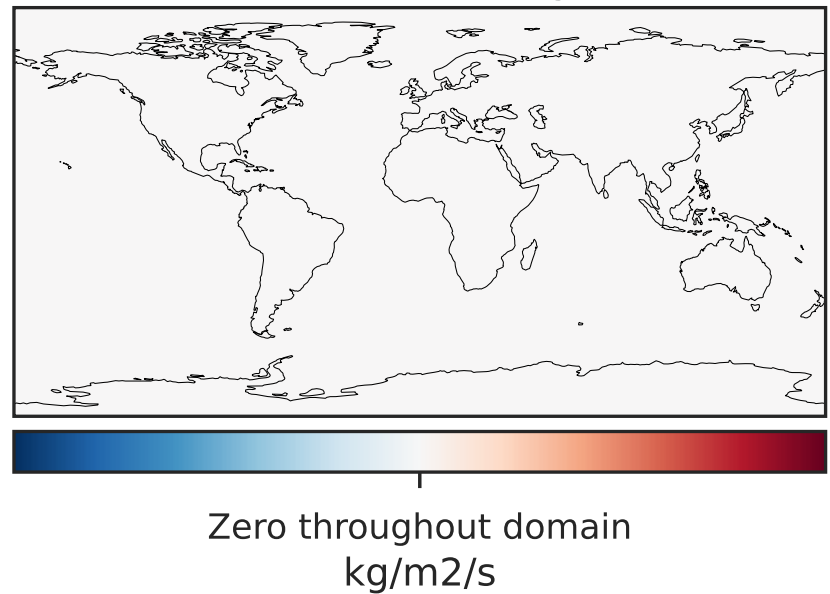
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



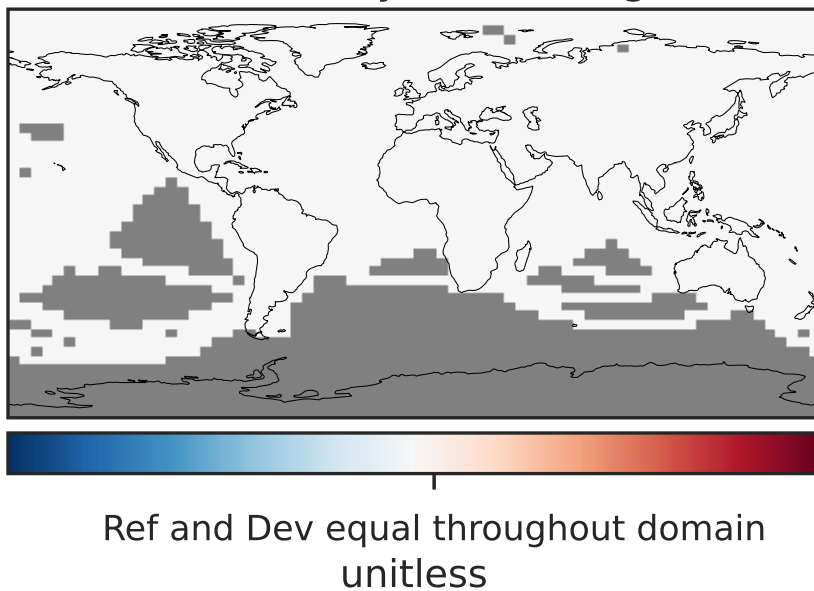
Difference  
Dev - Ref, Dynamic Range



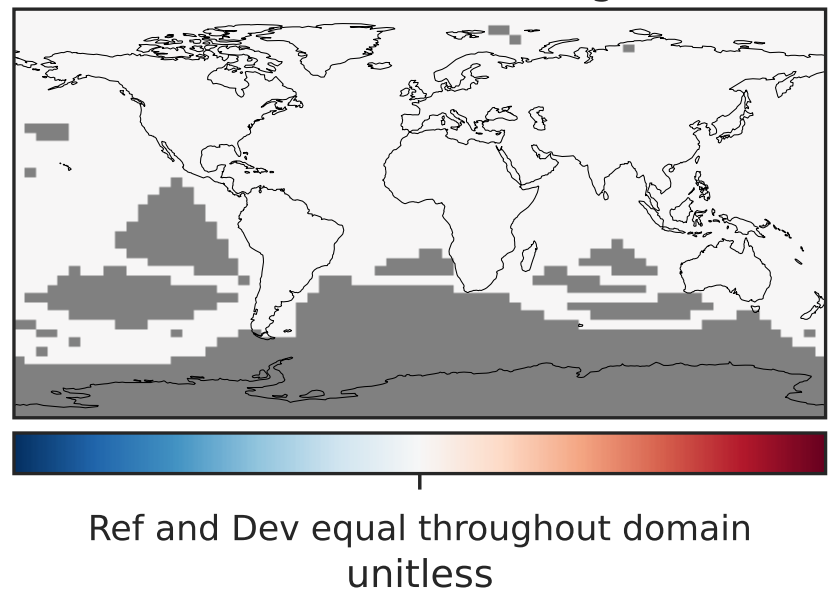
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

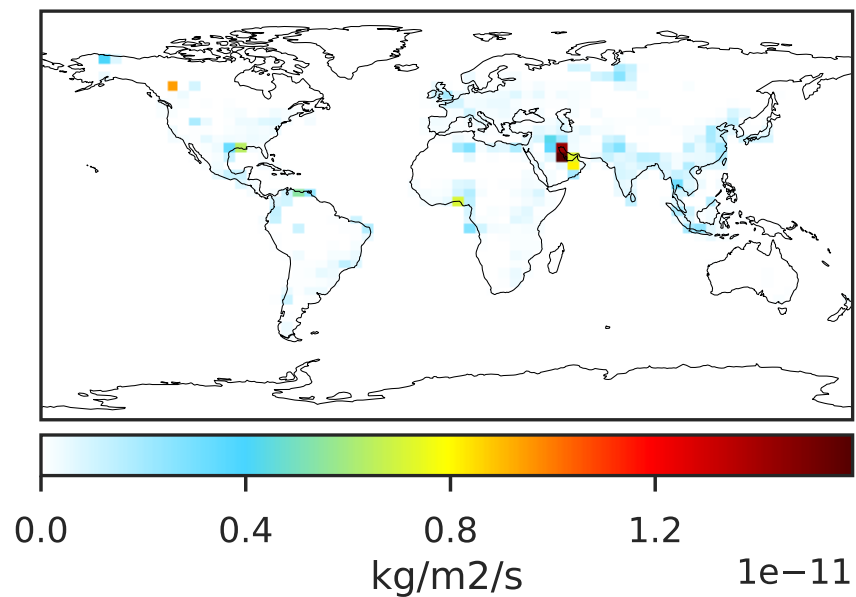


Ratio  
Dev/Ref, Fixed Range

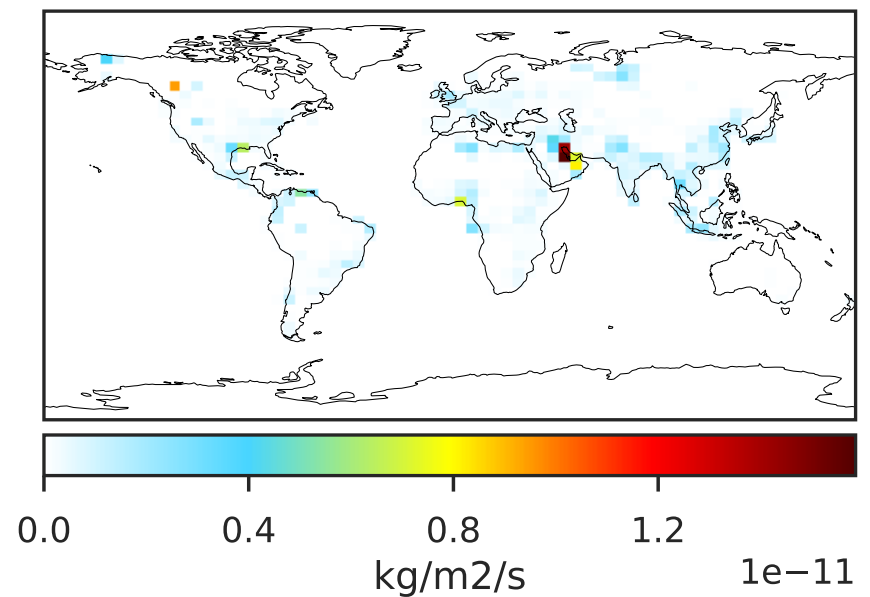


# EmisCH2O\_Anthro

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



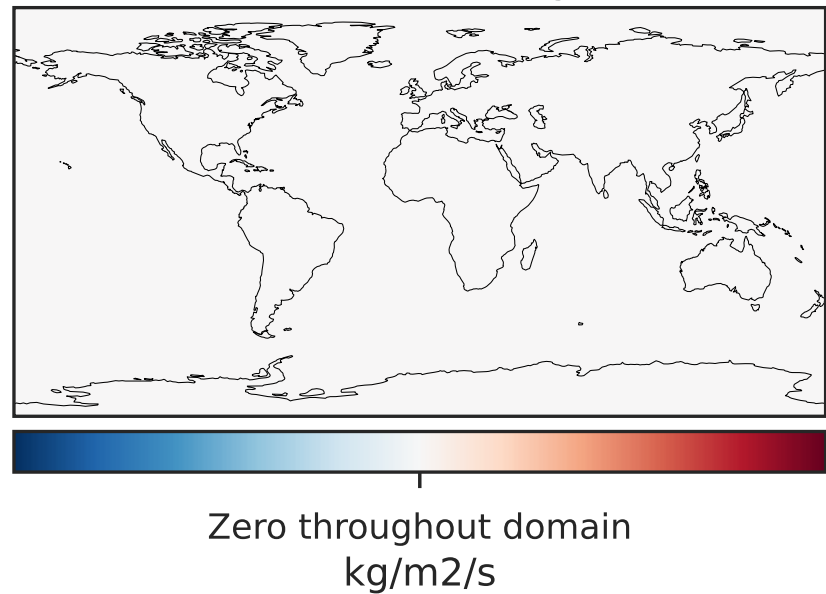
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



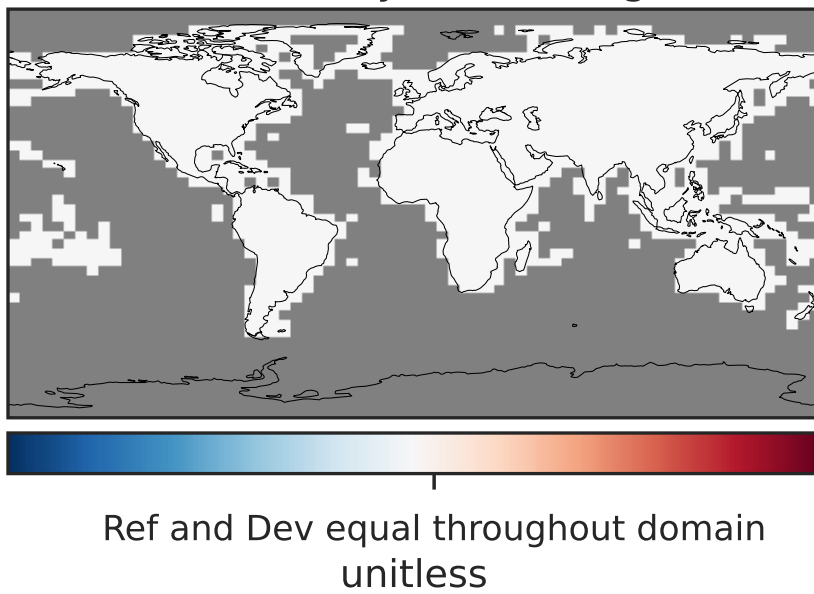
Difference  
Dev - Ref, Dynamic Range



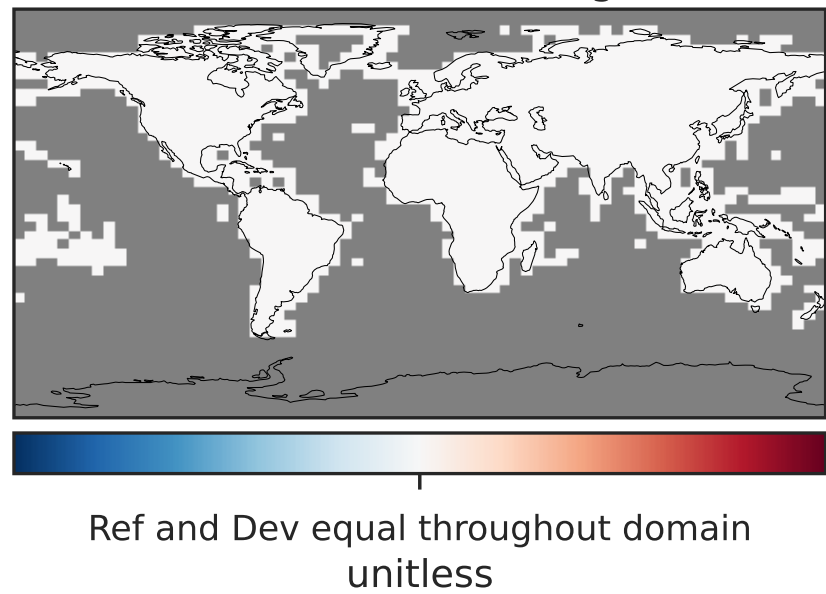
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

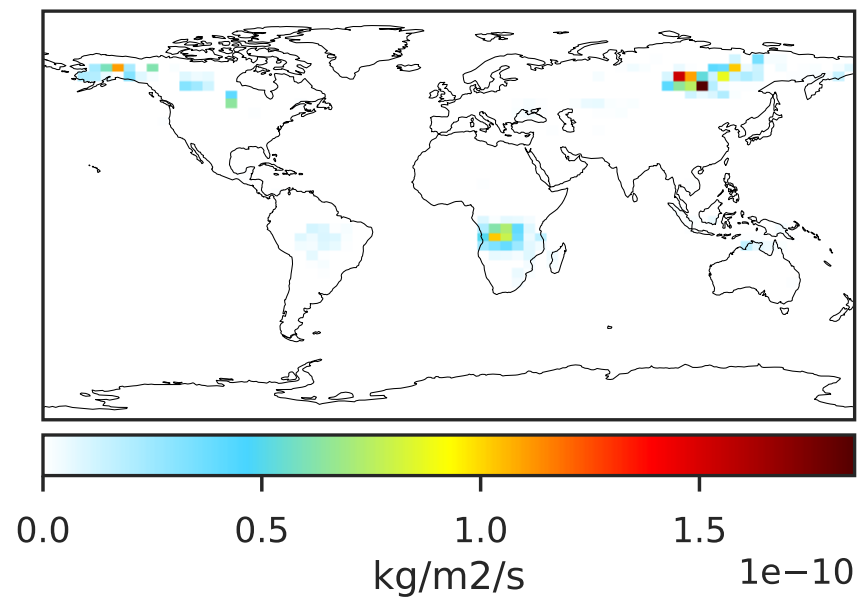


Ratio  
Dev/Ref, Fixed Range

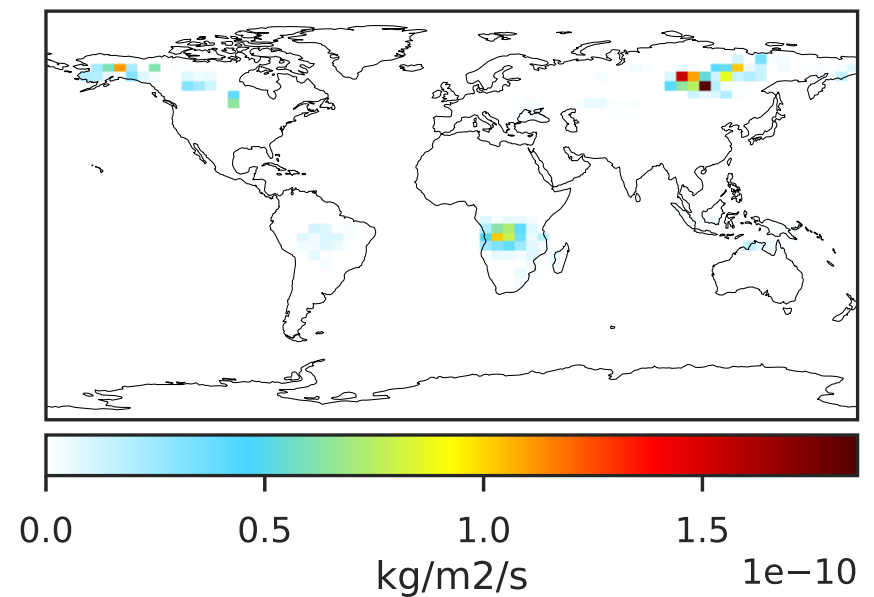


# EmisCH2O\_BioBurn

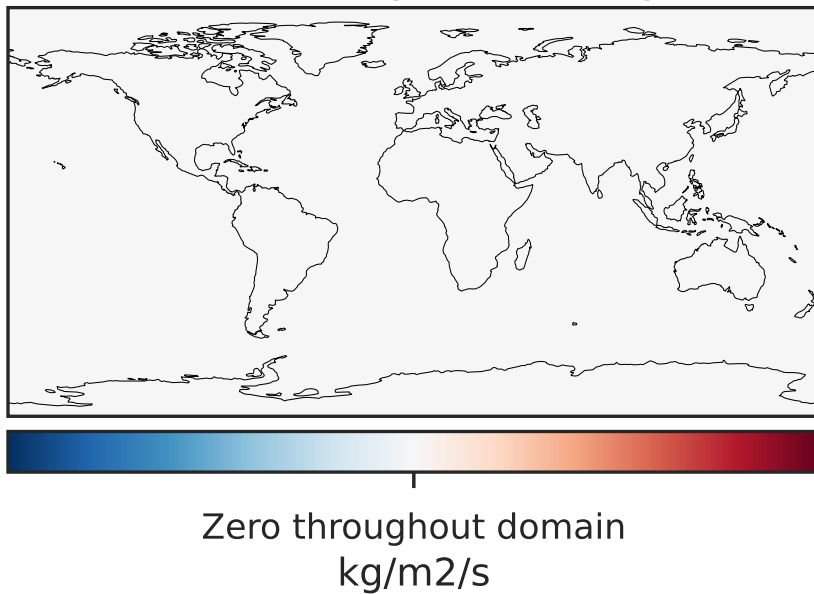
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



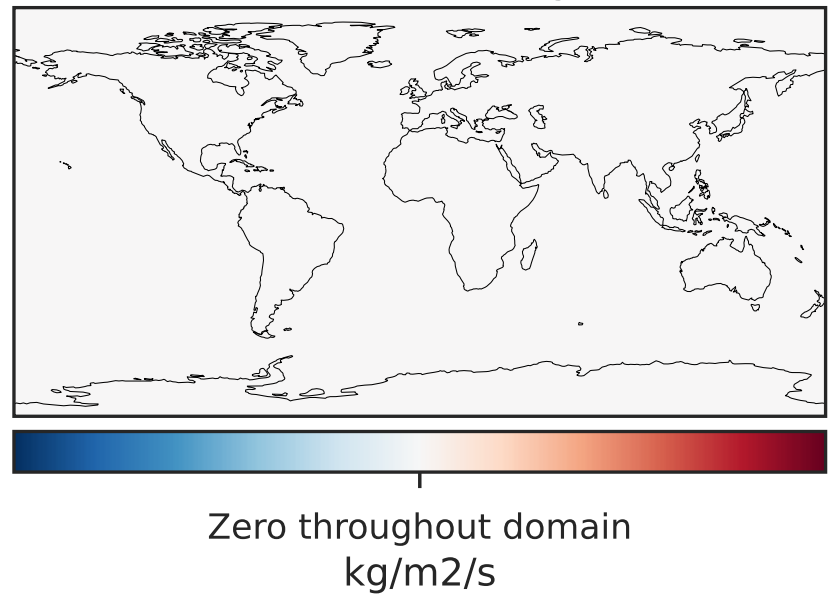
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



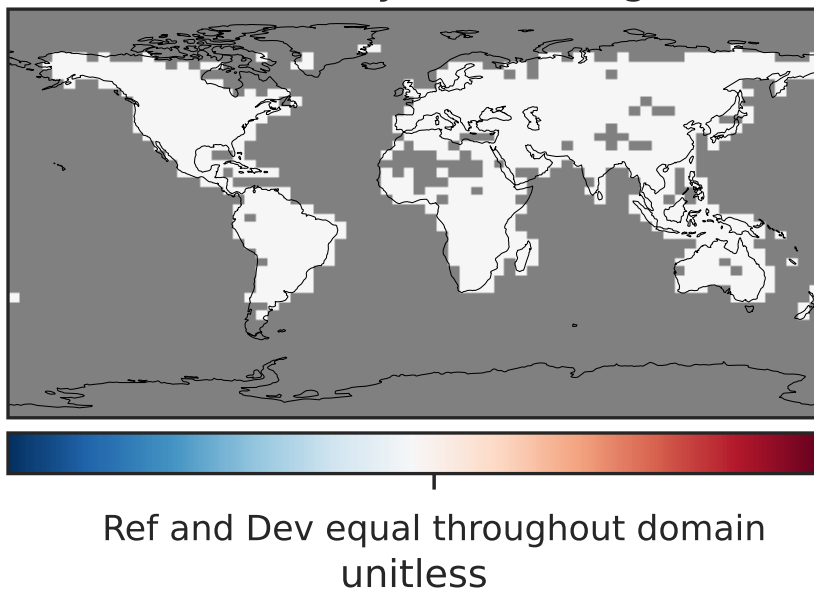
Difference  
Dev - Ref, Dynamic Range



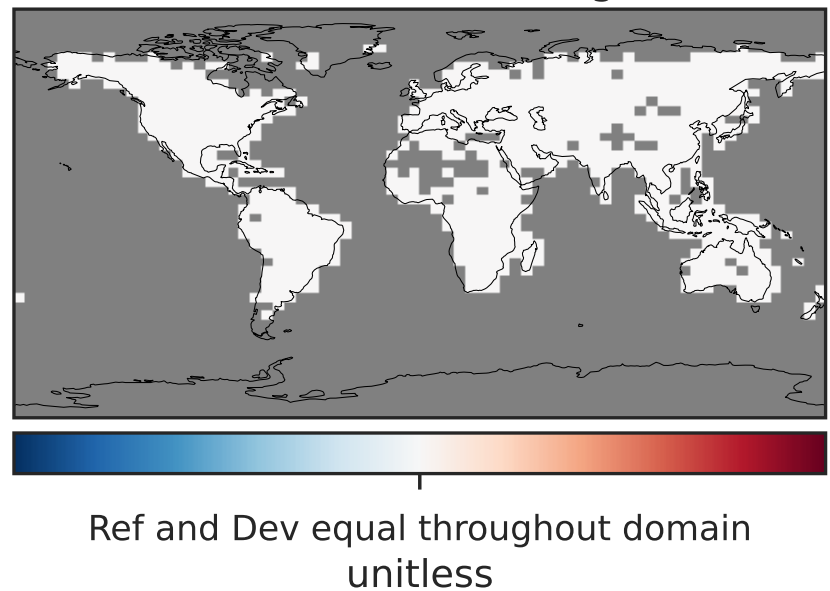
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

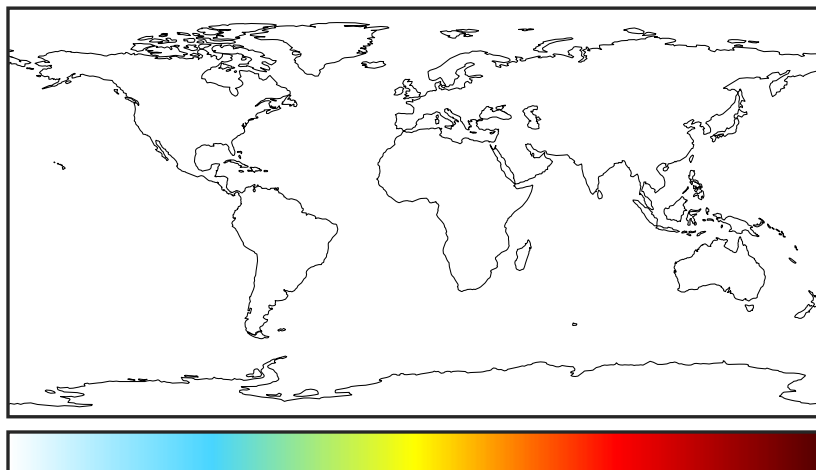


Ratio  
Dev/Ref, Fixed Range



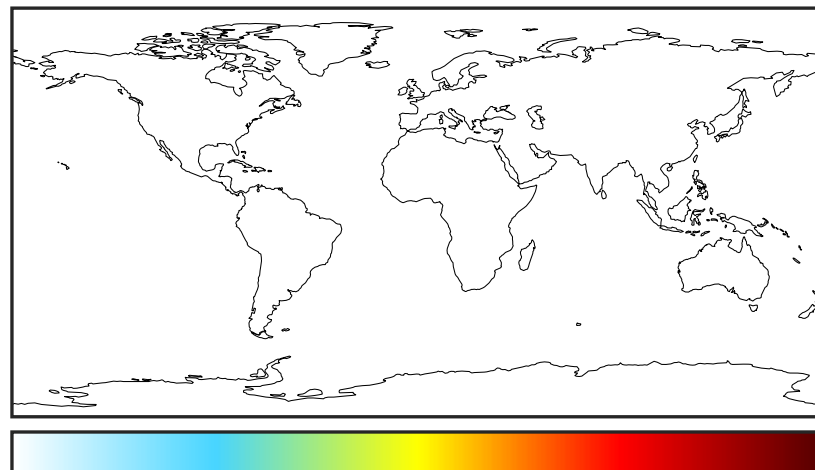
# EmisCH2O\_Ship

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



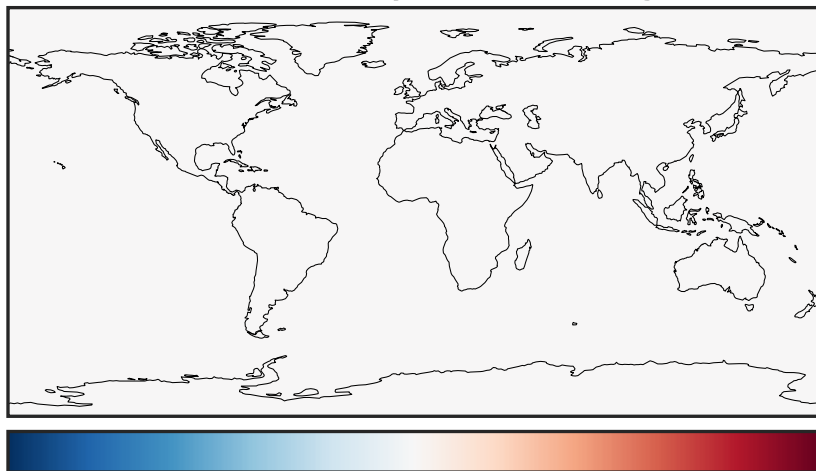
Zero throughout domain  
kg/m2/s

gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



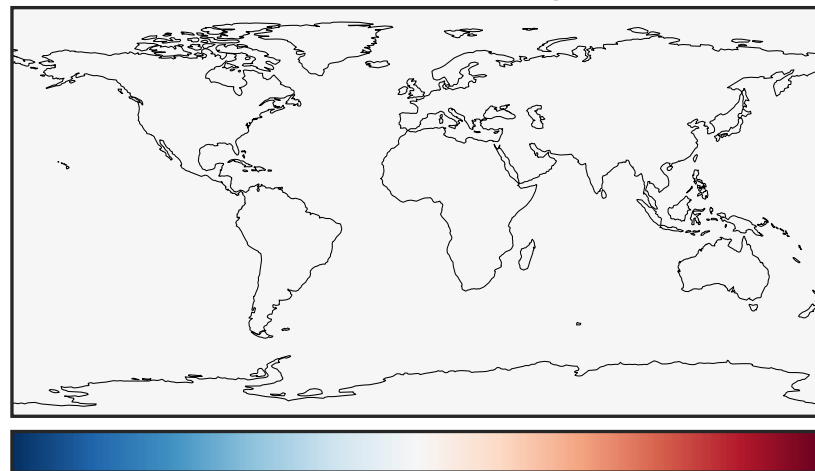
Zero throughout domain  
kg/m2/s

Difference  
Dev - Ref, Dynamic Range



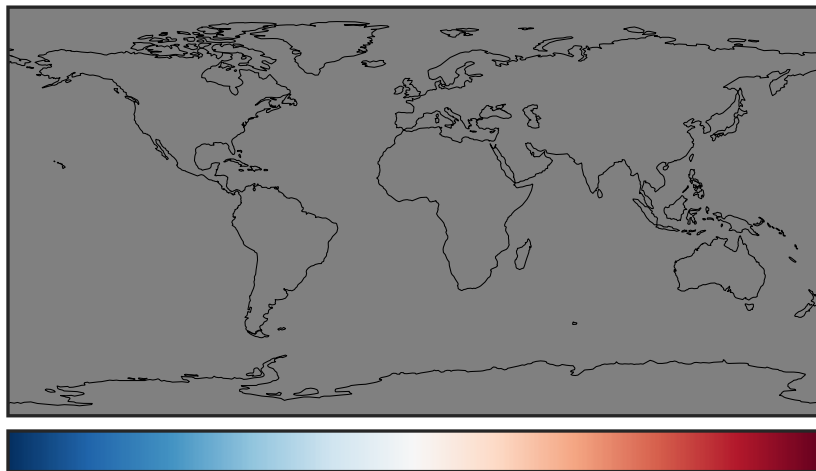
Zero throughout domain  
kg/m2/s

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



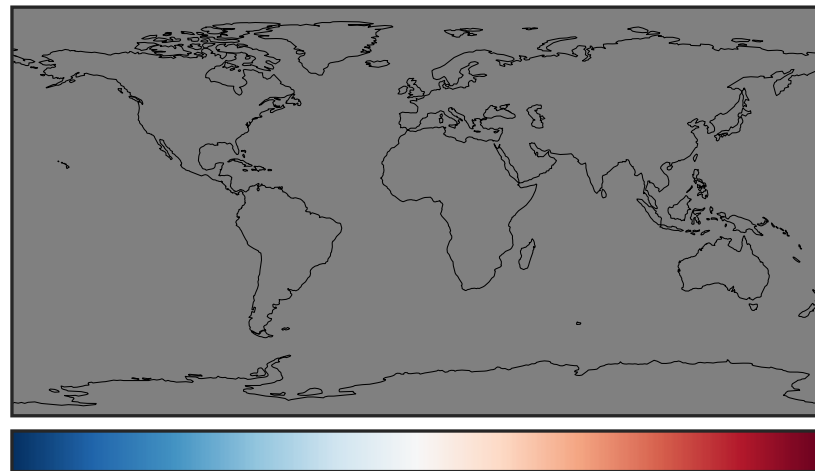
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

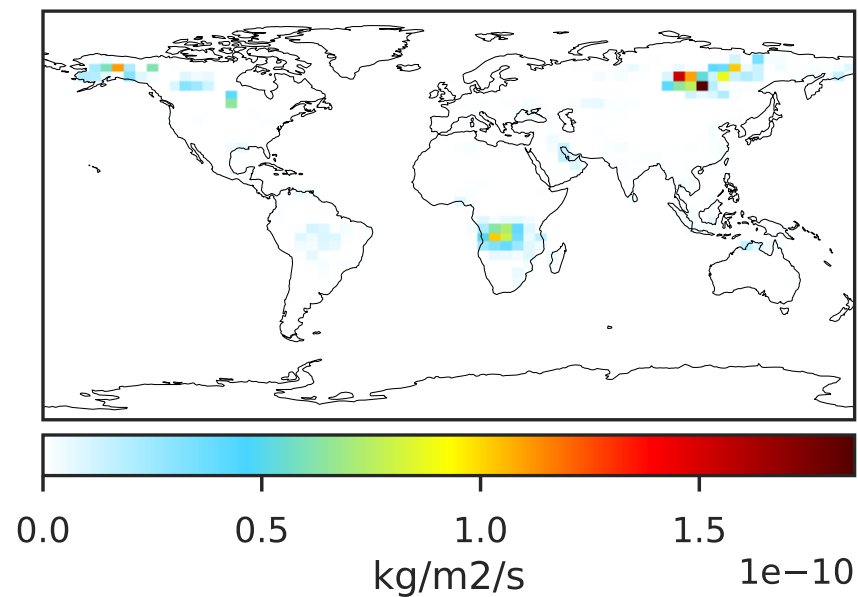
Ratio  
Dev/Ref, Fixed Range



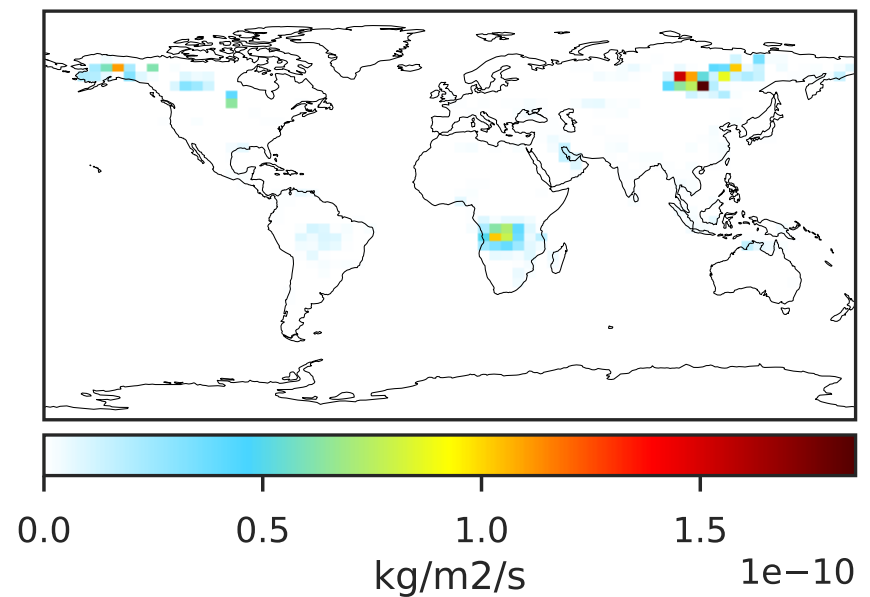
Undefined throughout domain  
unitless

# EmisCH2O\_Total

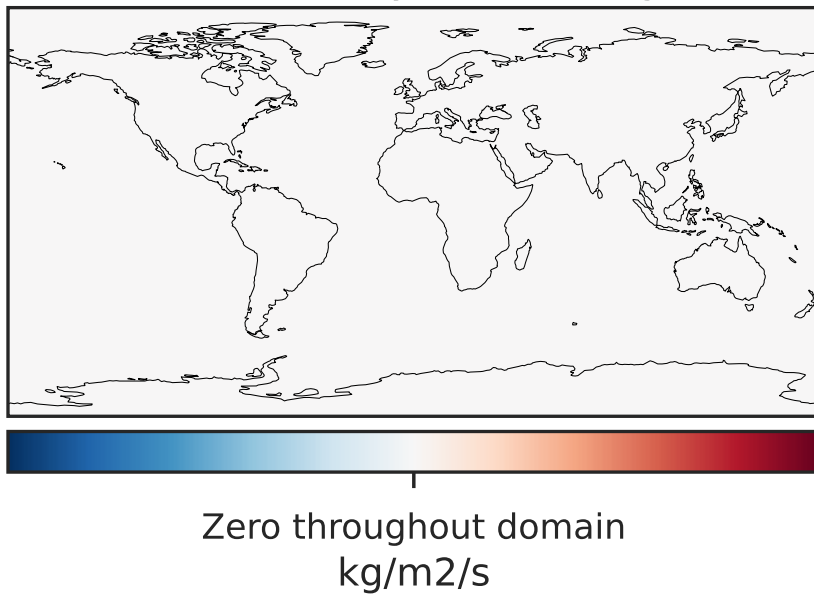
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



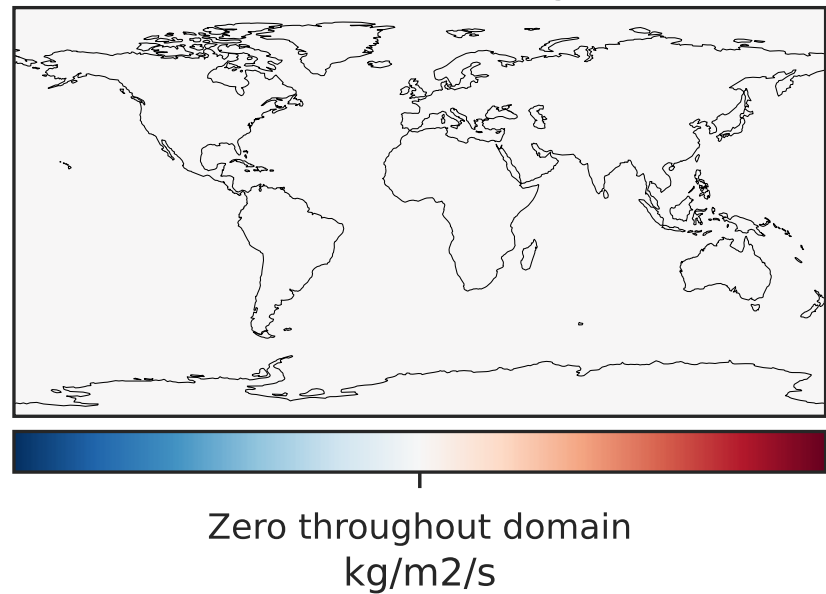
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



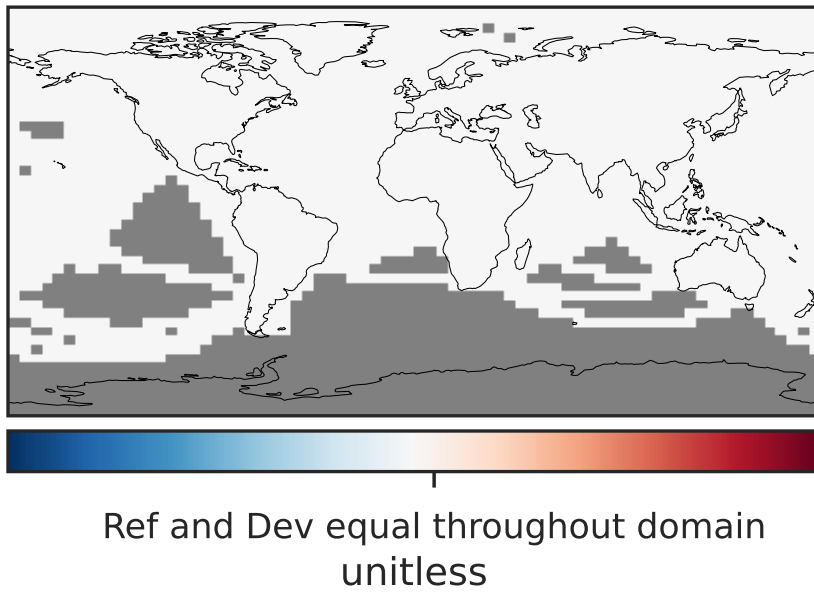
Difference  
Dev - Ref, Dynamic Range



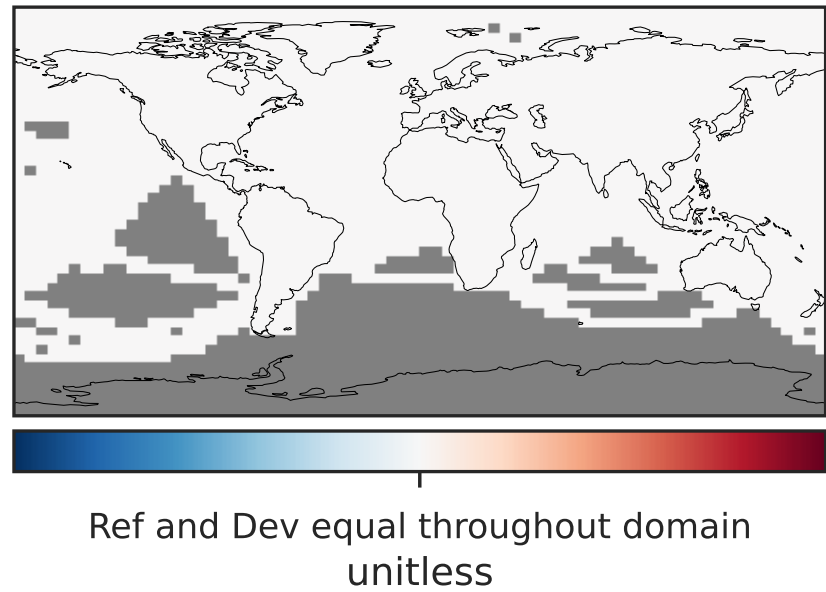
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



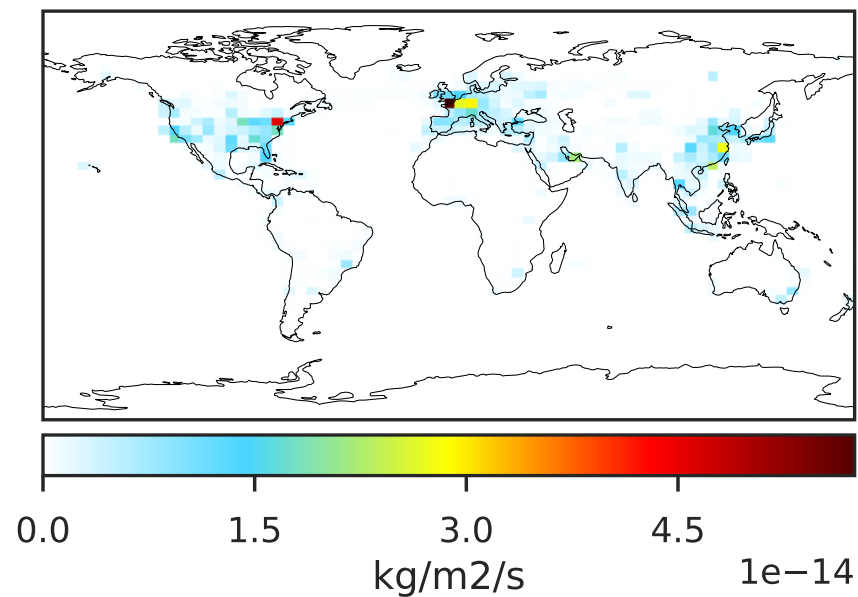
Ratio  
Dev/Ref, Fixed Range



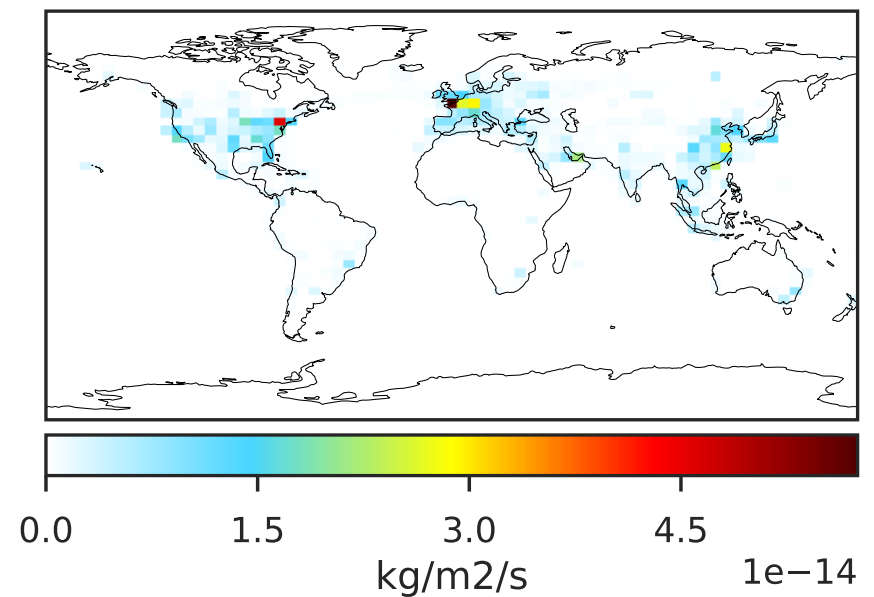


# EmisMACR\_Aircraft

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



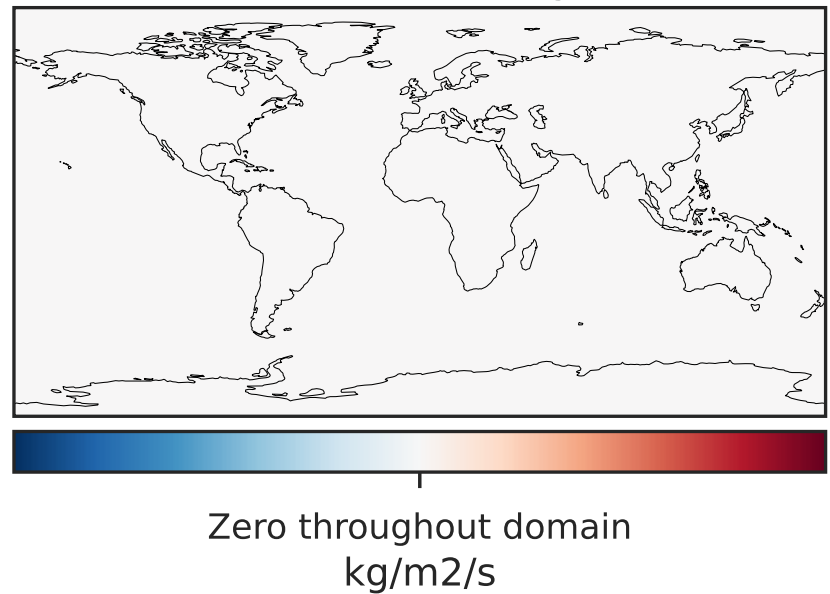
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



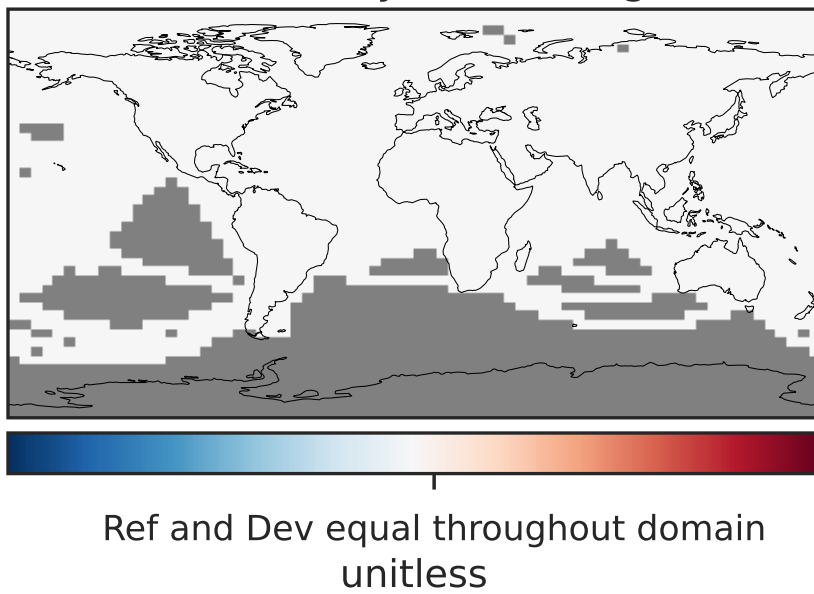
Difference  
Dev - Ref, Dynamic Range



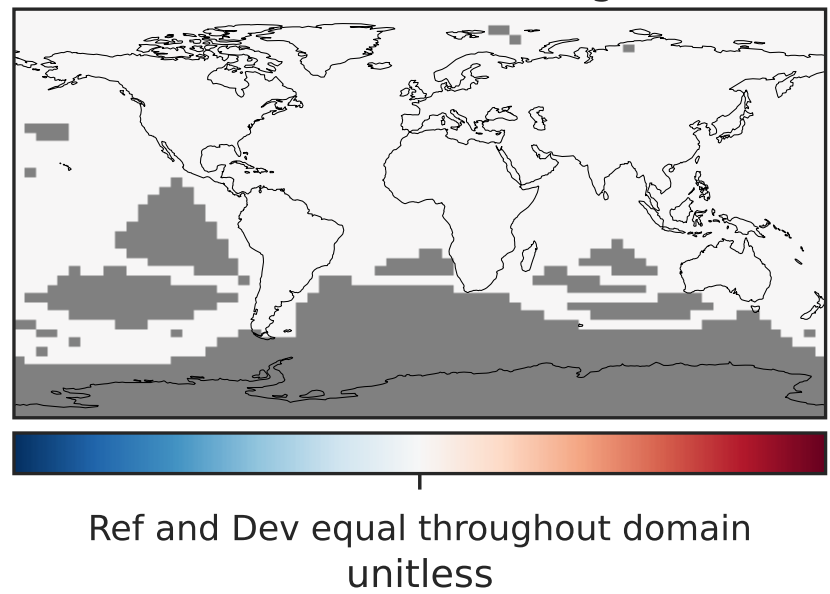
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

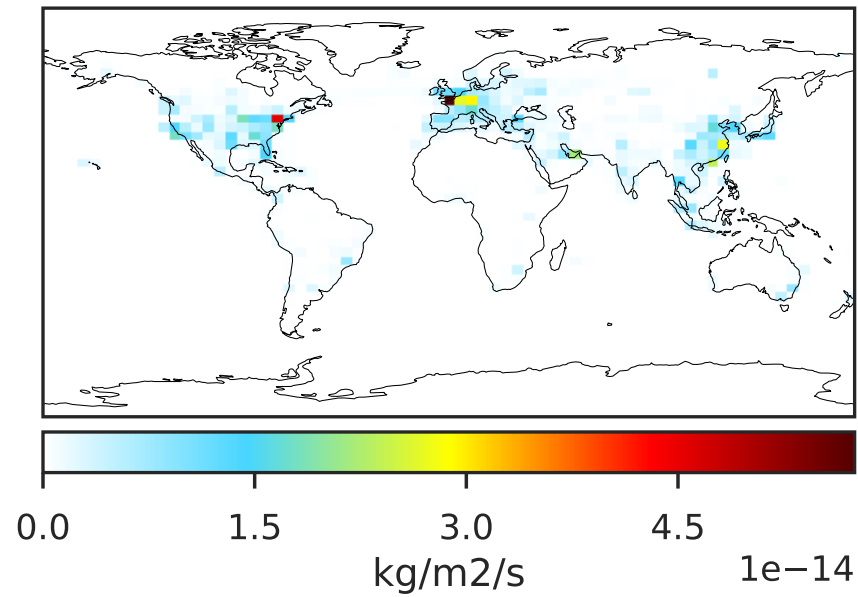


Ratio  
Dev/Ref, Fixed Range

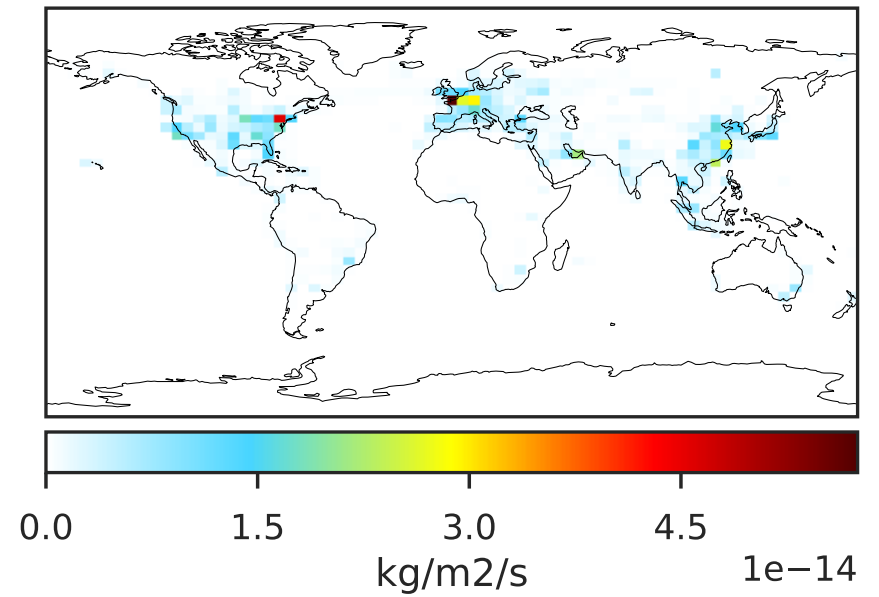


# EmisMACR\_Total

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



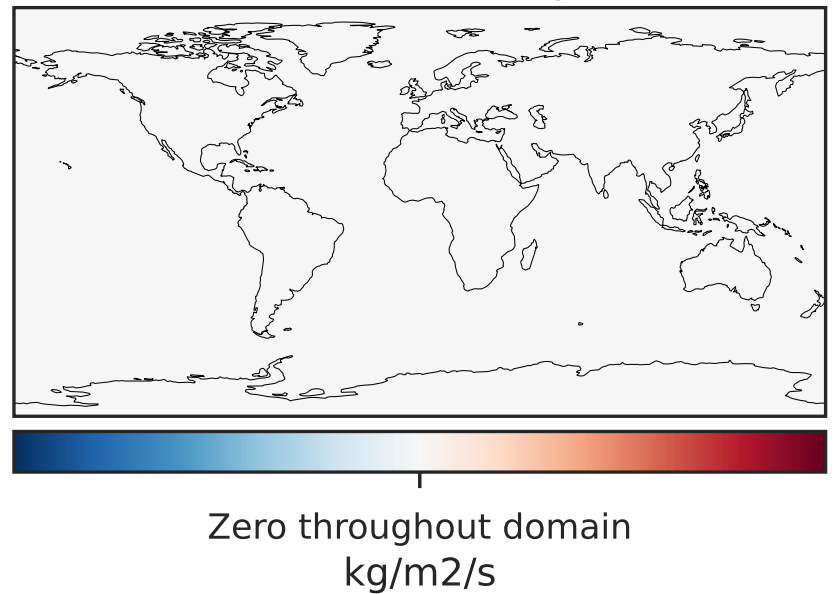
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



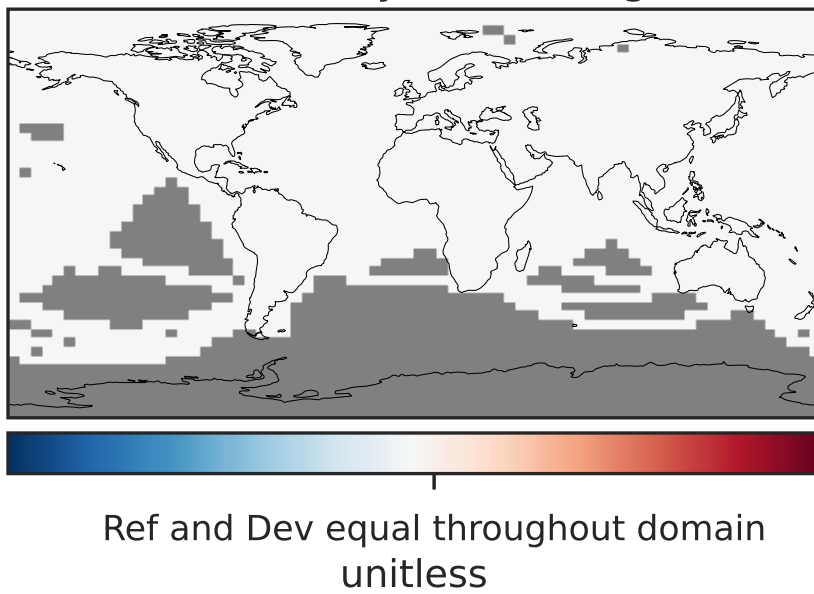
Difference  
Dev - Ref, Dynamic Range



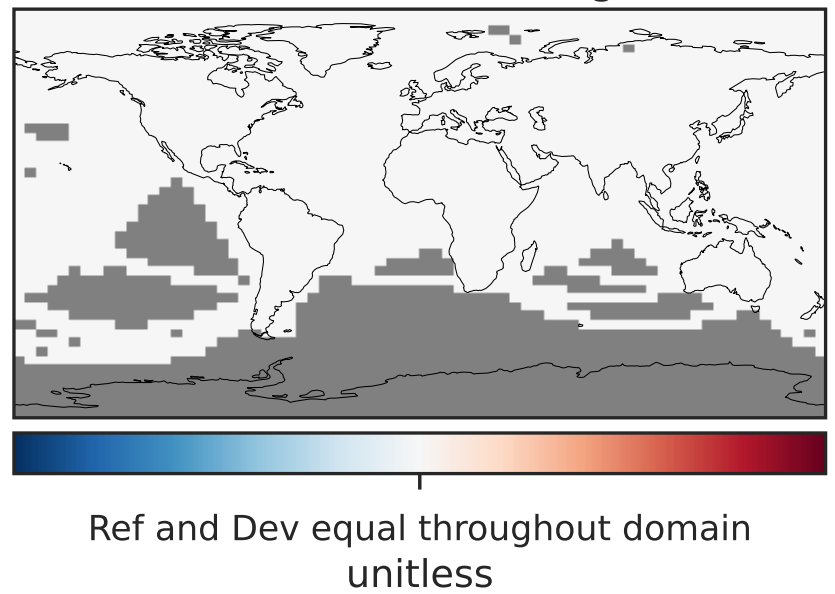
Difference  
Dev - Ref, Restricted Range [5%,95%]



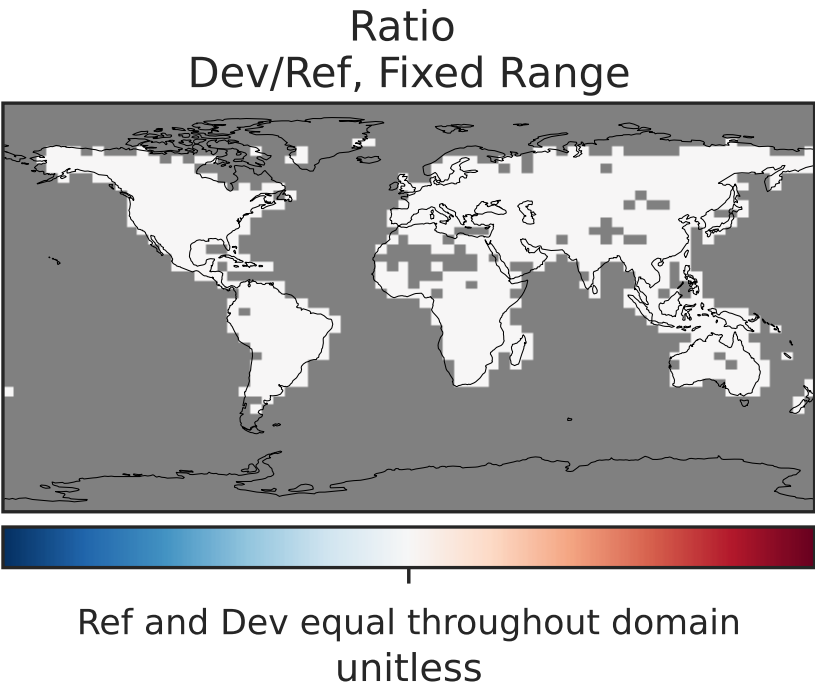
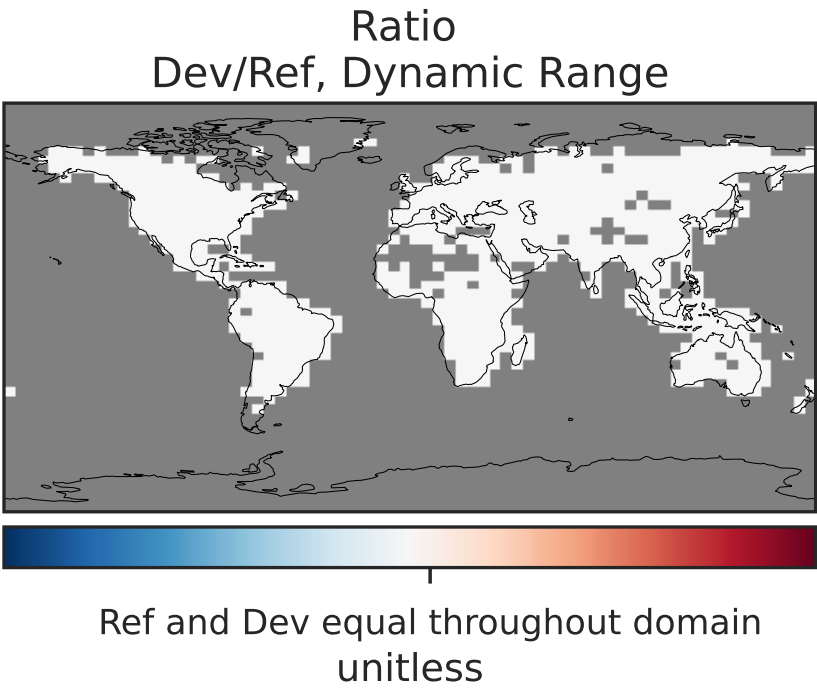
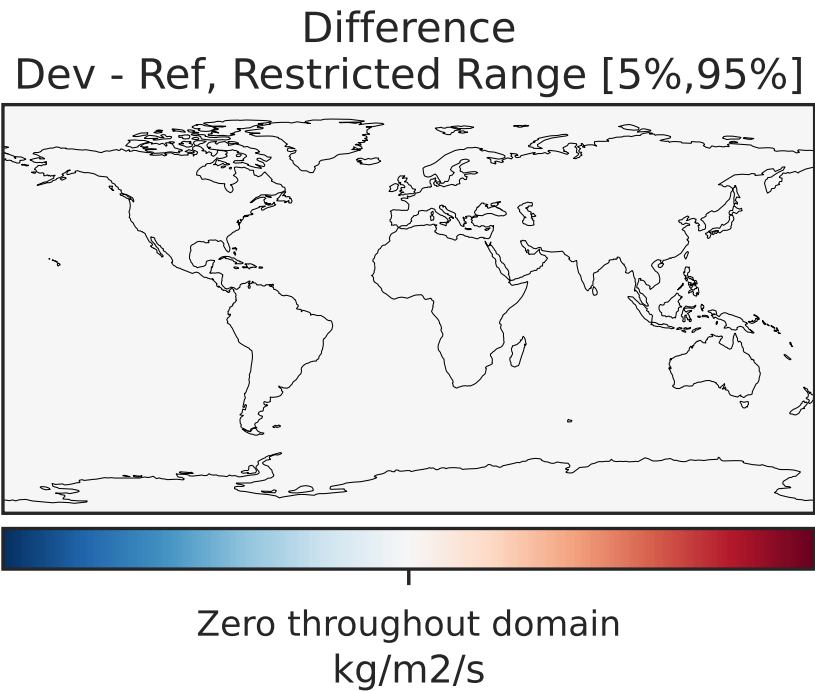
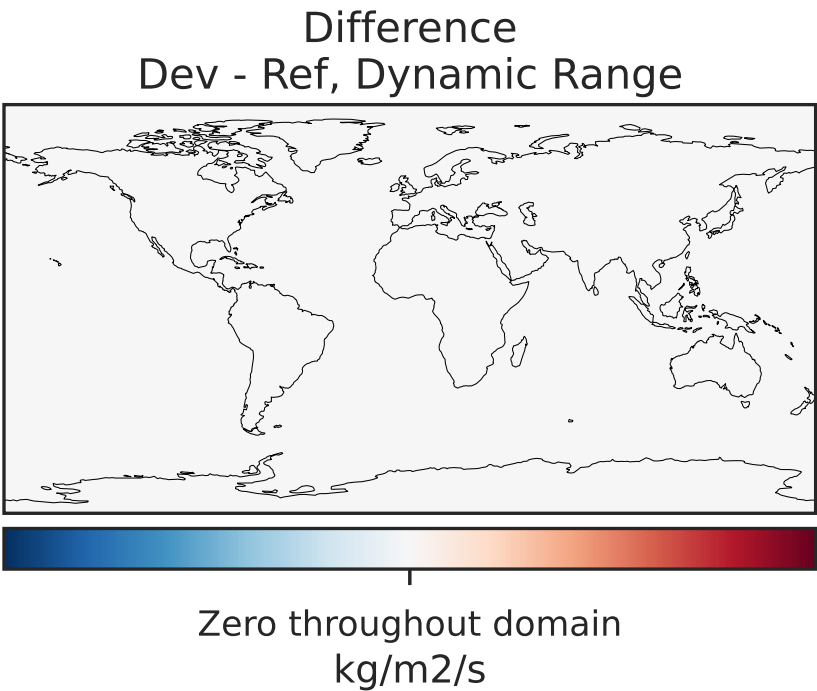
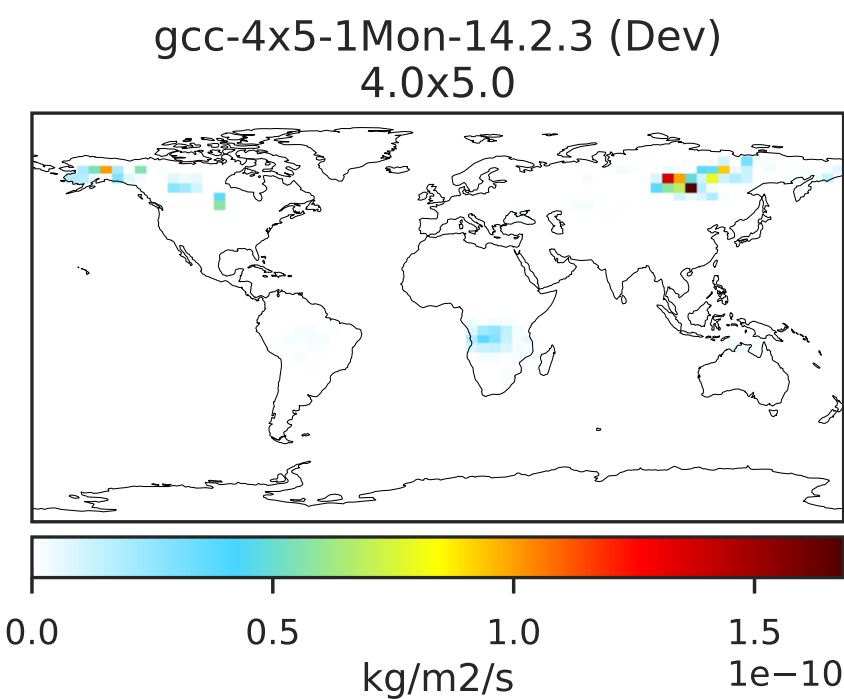
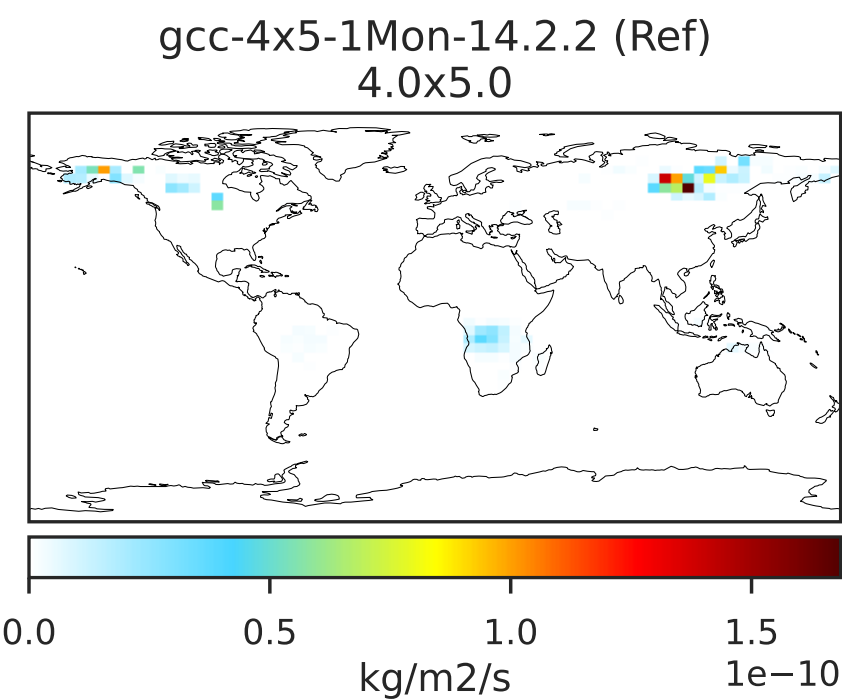
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

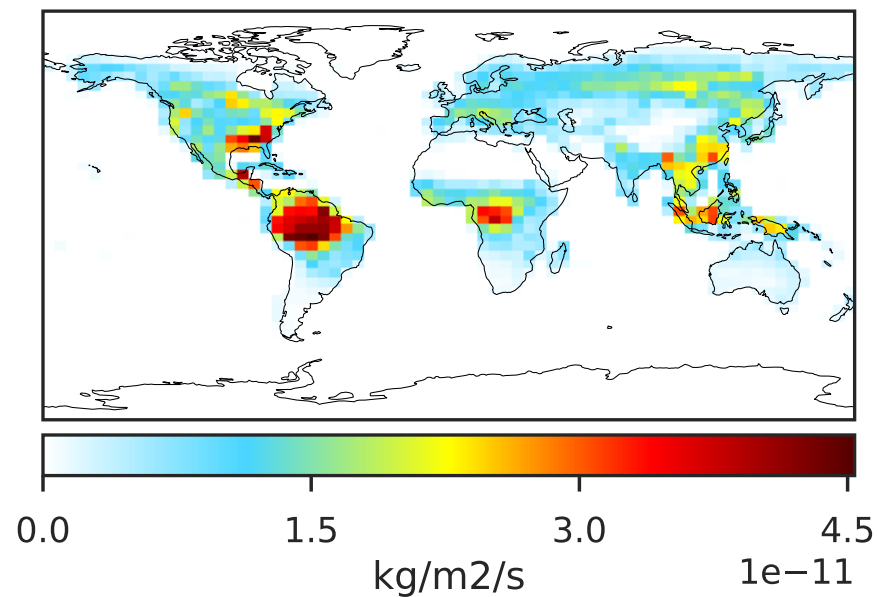


# EmisACET\_BioBurn

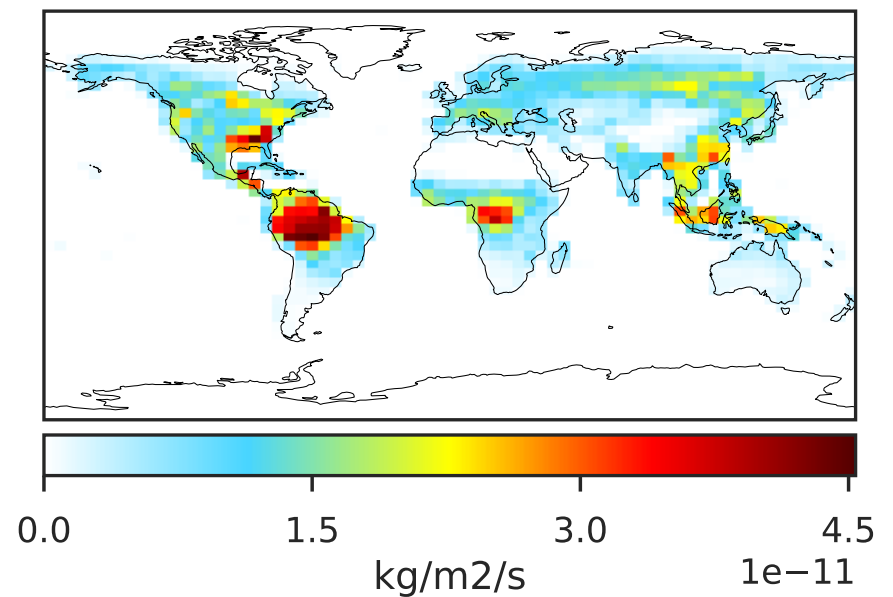


# EmisACET\_Biogenic

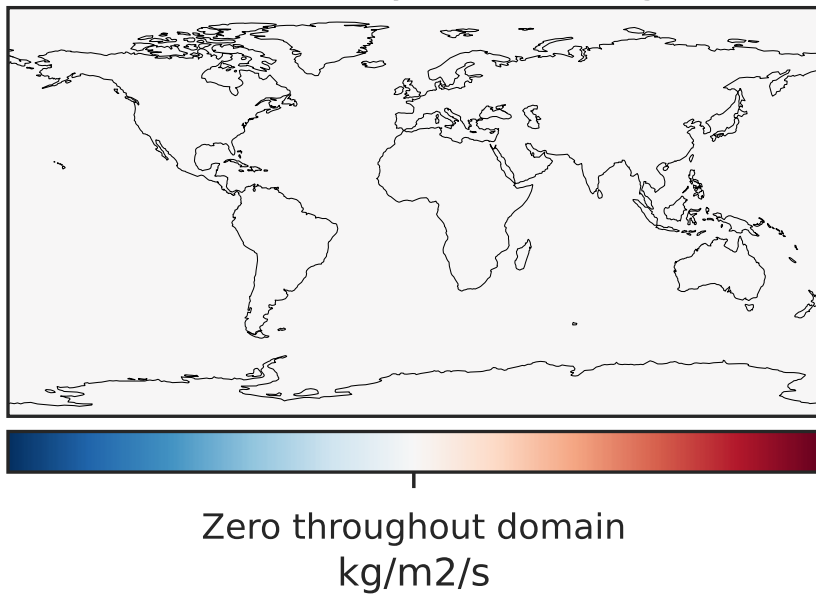
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



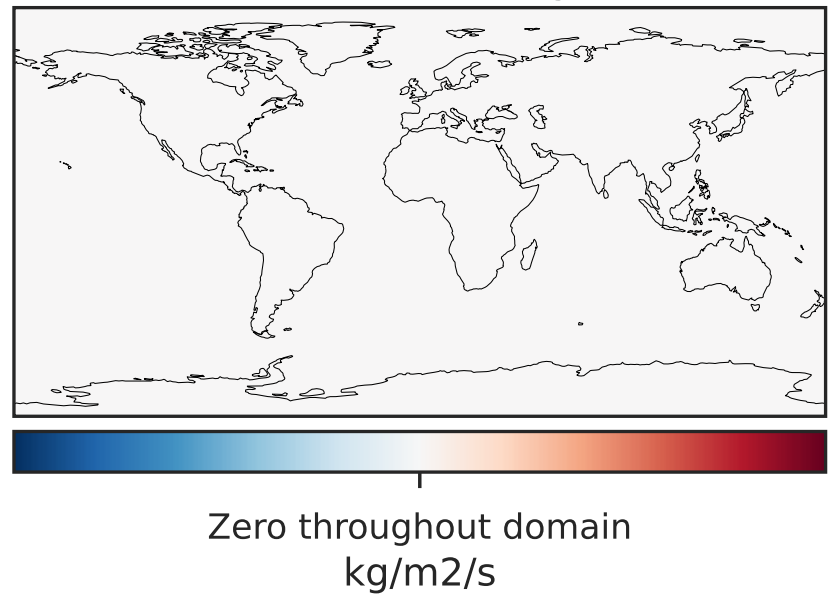
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



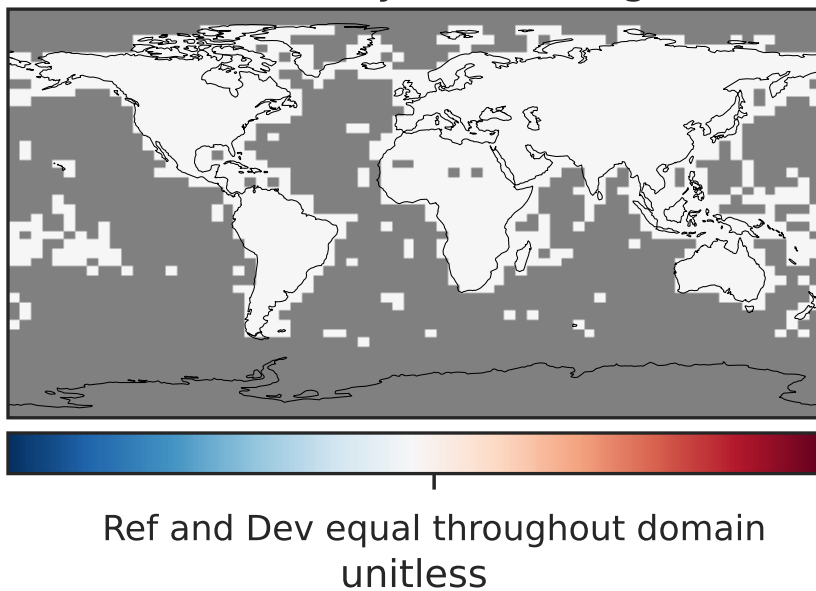
Difference  
Dev - Ref, Dynamic Range



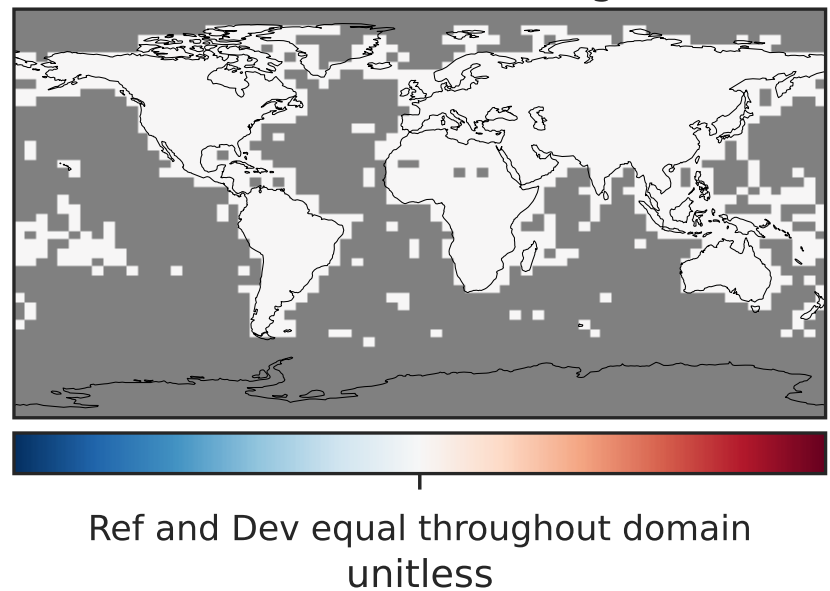
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

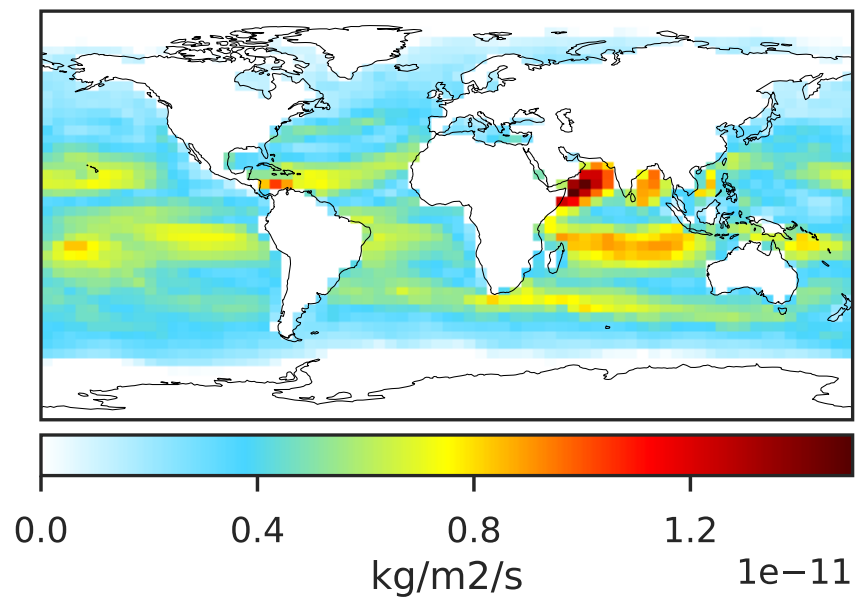


Ratio  
Dev/Ref, Fixed Range

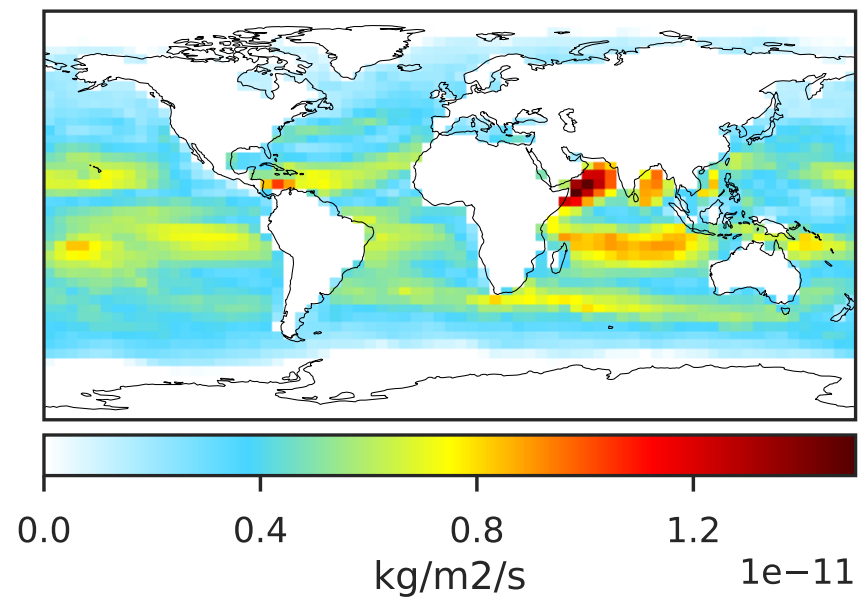


# EmisACET\_Ocean

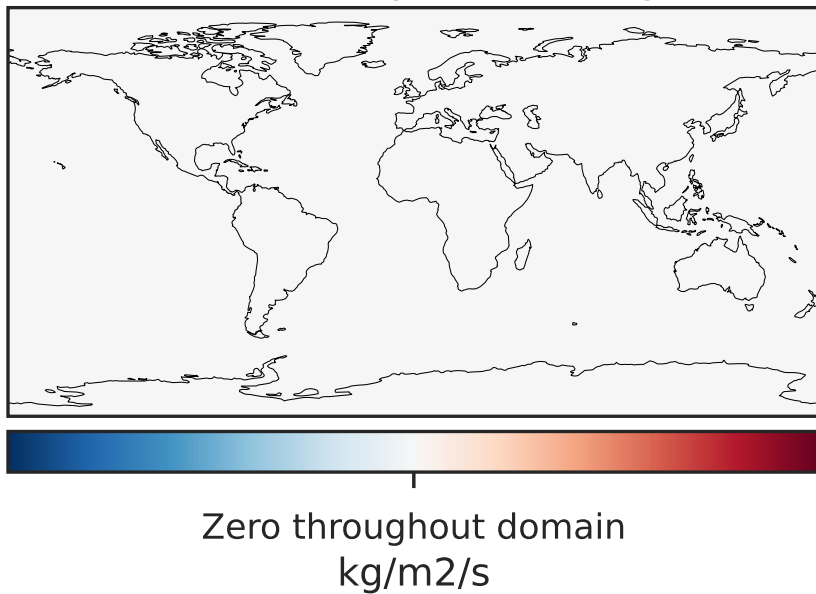
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



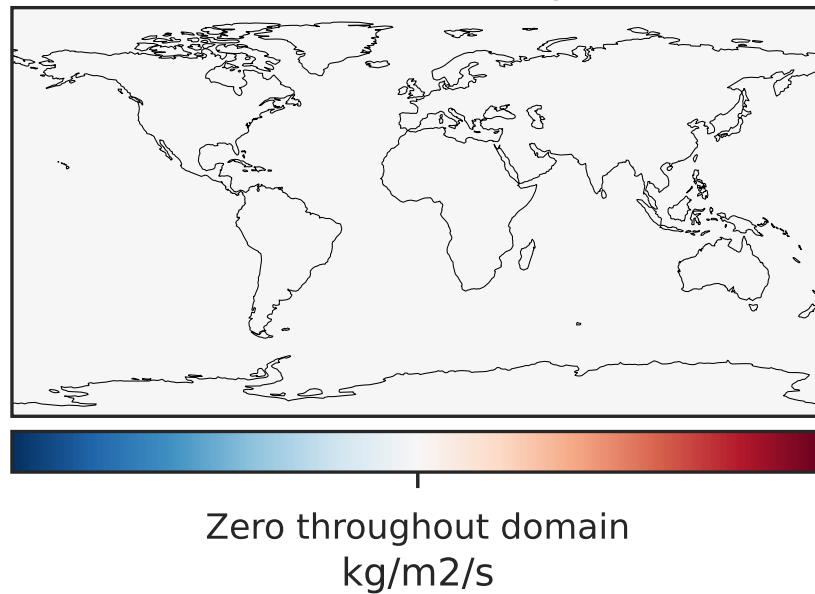
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



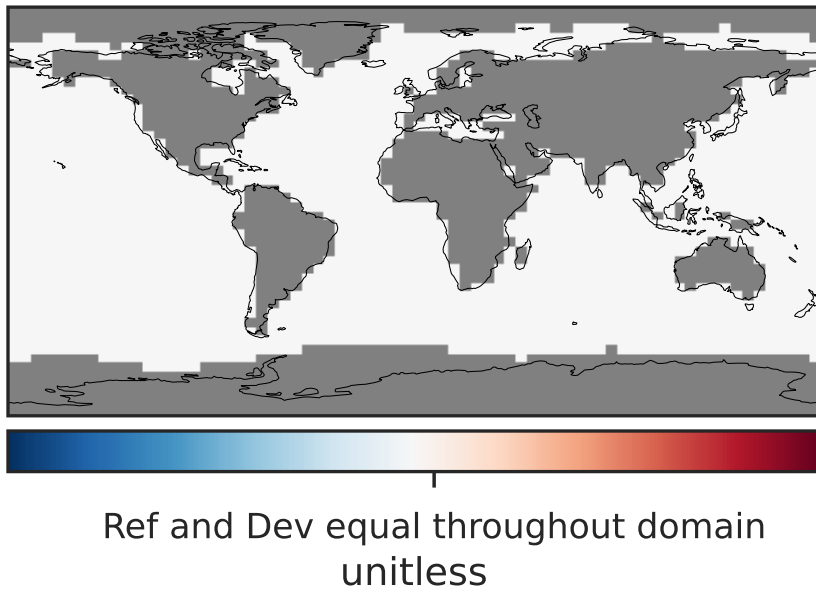
Difference  
Dev - Ref, Dynamic Range



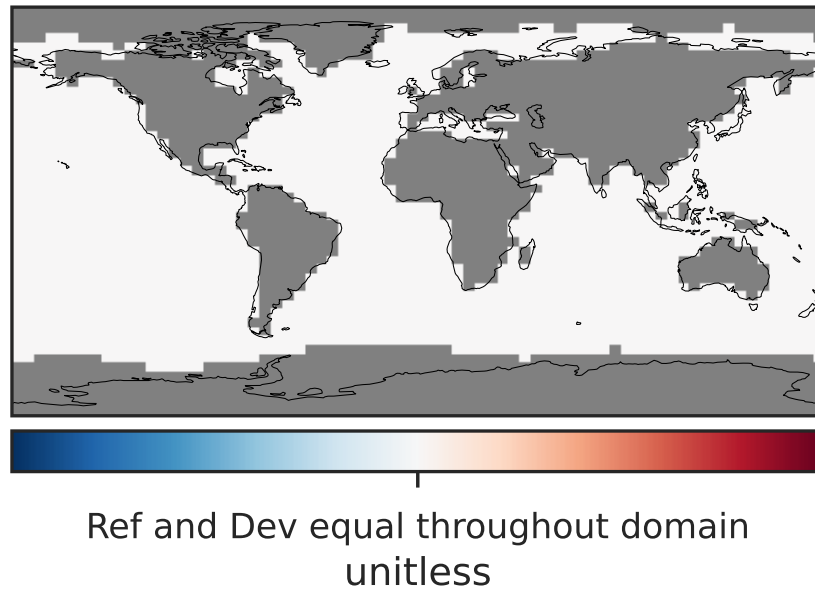
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



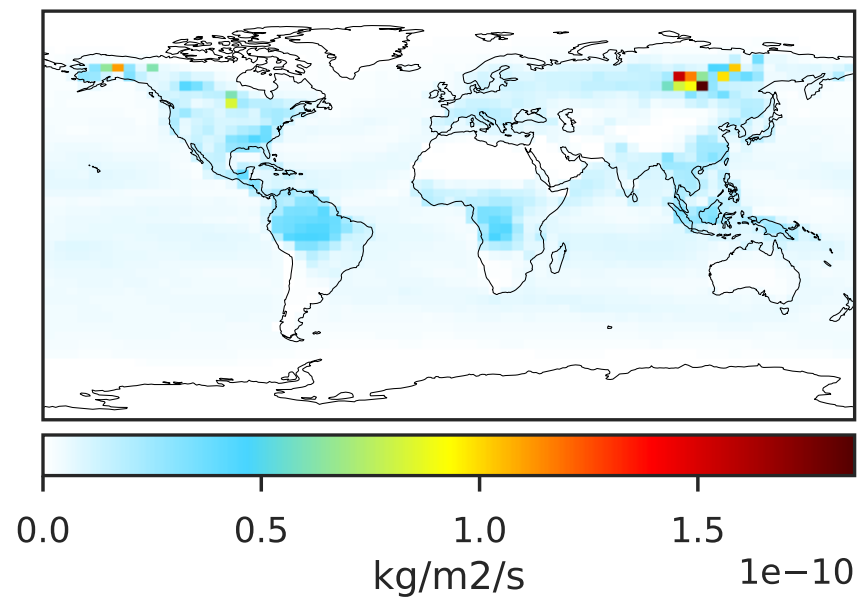
Ratio  
Dev/Ref, Fixed Range



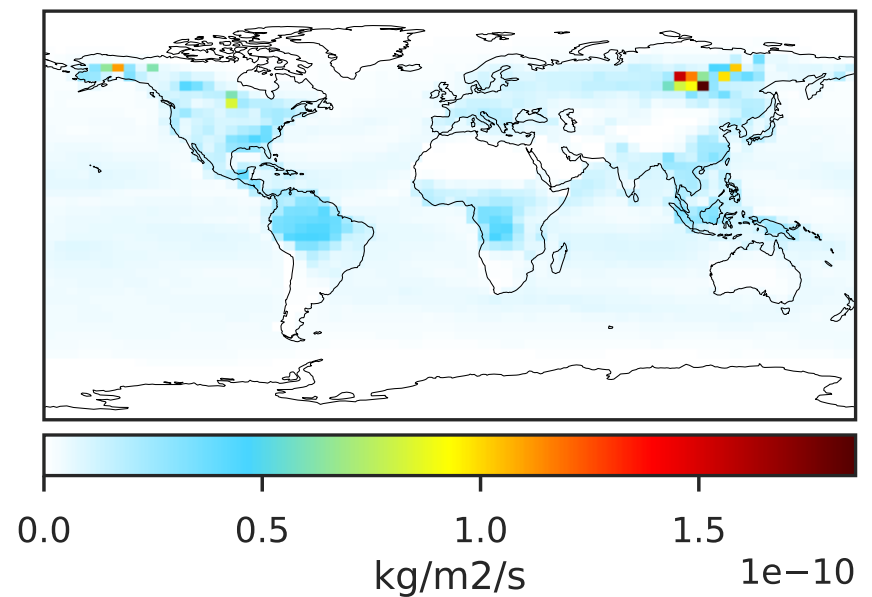


# EmisACET\_Total

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



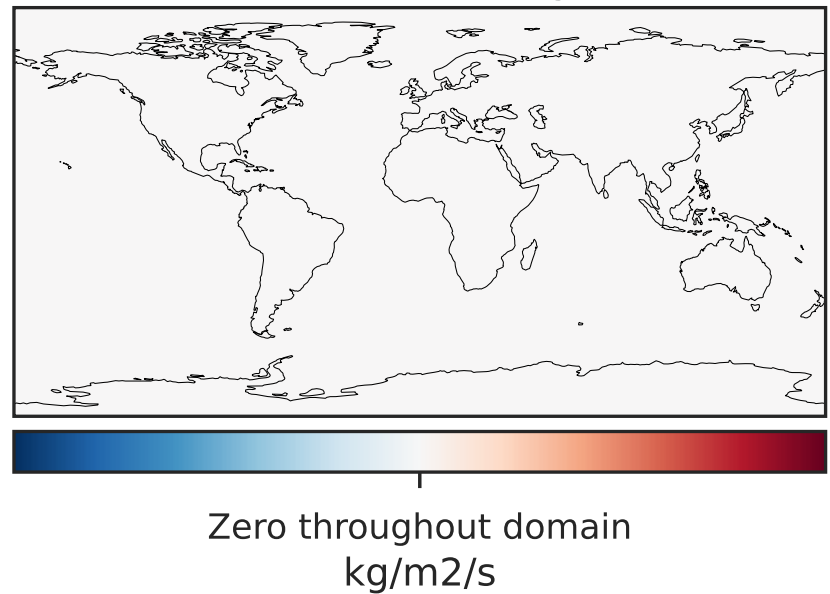
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



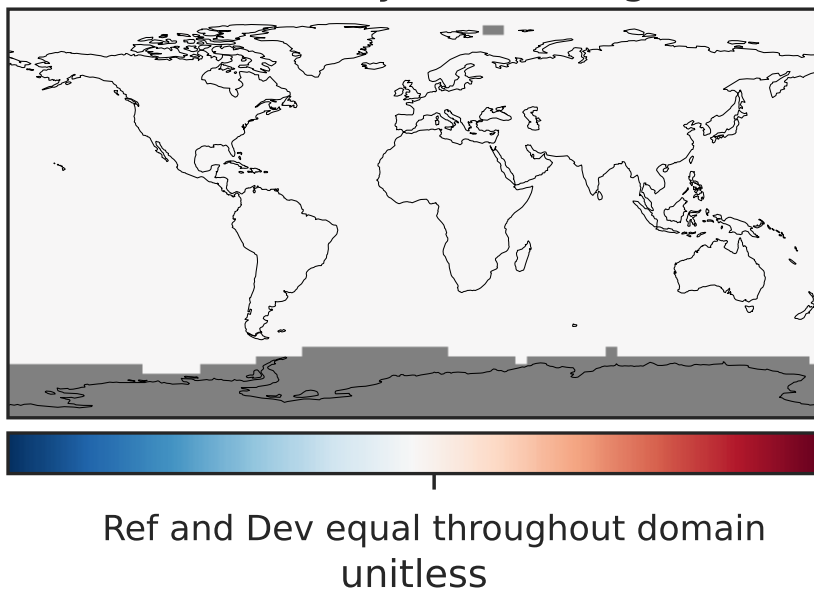
Difference  
Dev - Ref, Dynamic Range



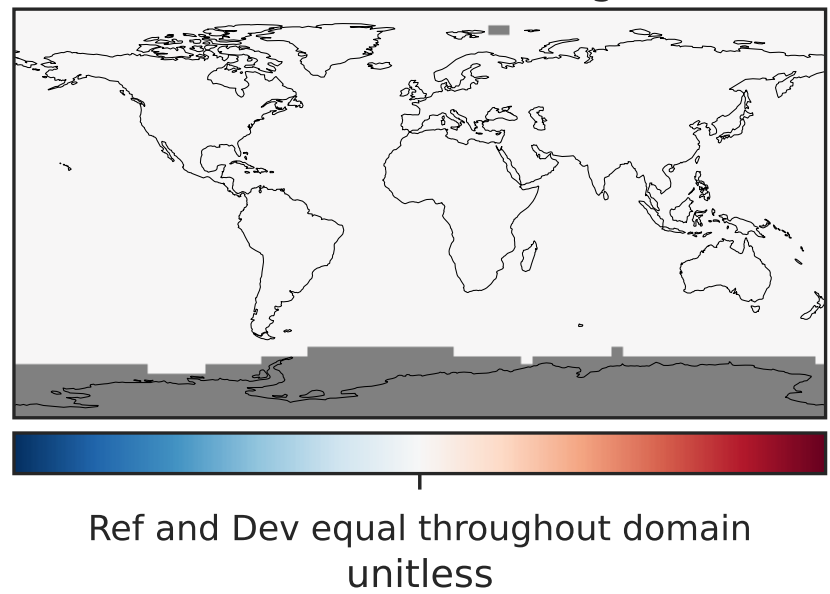
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

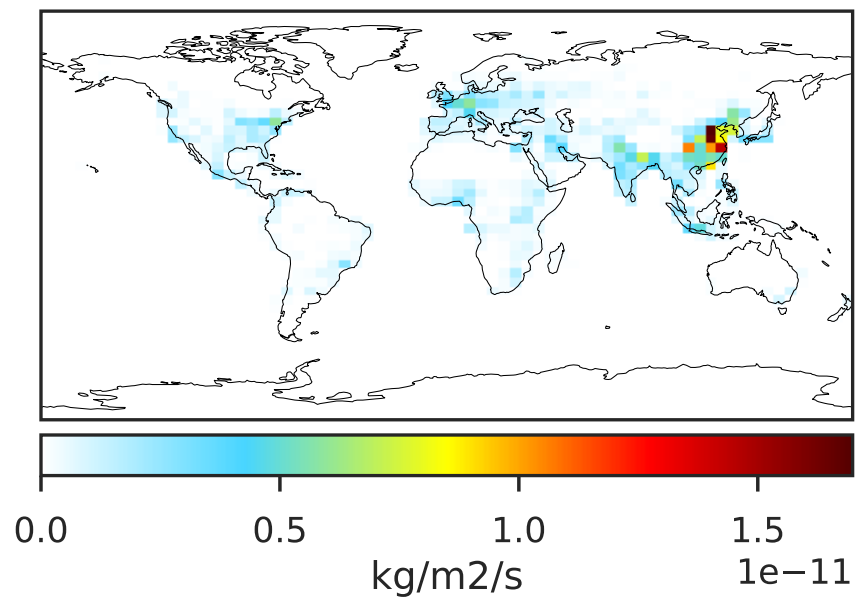


Ratio  
Dev/Ref, Fixed Range

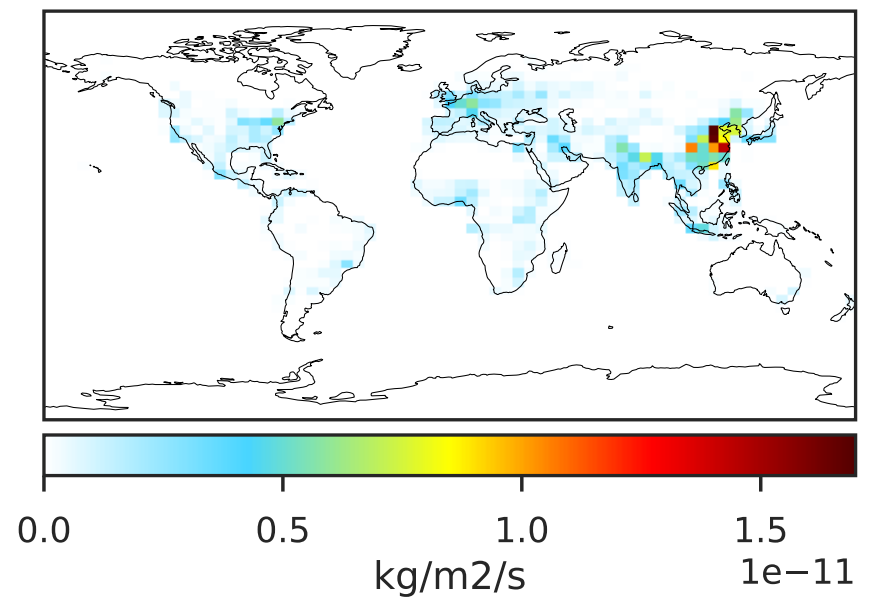


# EmisMEK\_Anthro

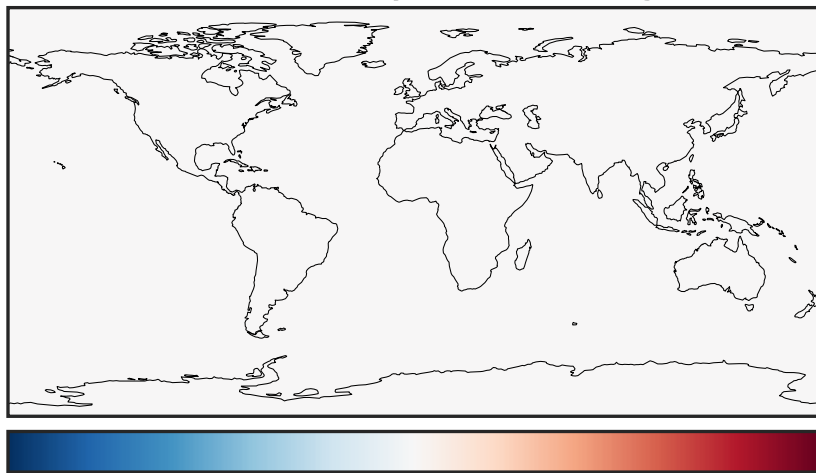
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0

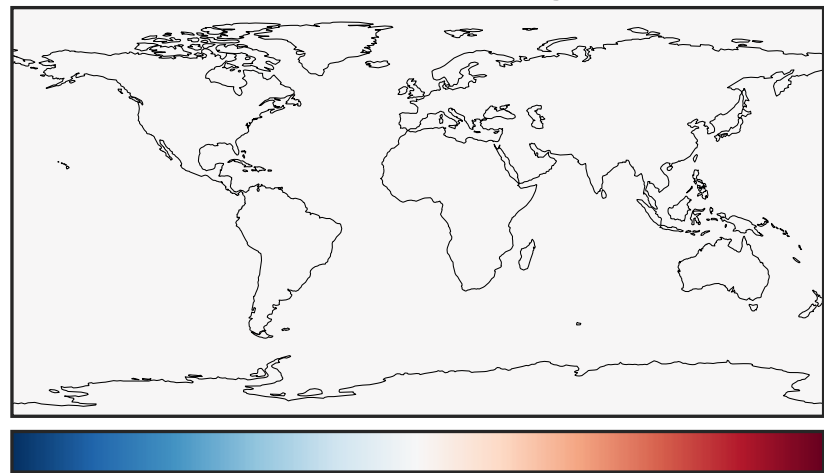


Difference  
Dev - Ref, Dynamic Range



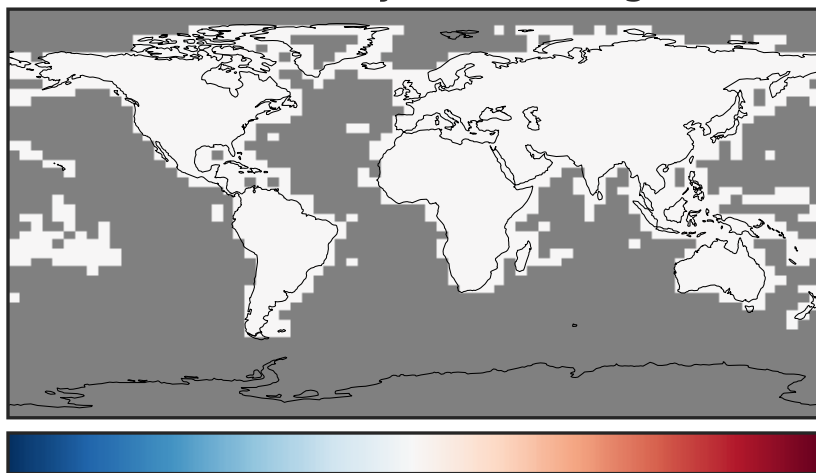
Zero throughout domain  
kg/m<sup>2</sup>/s

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



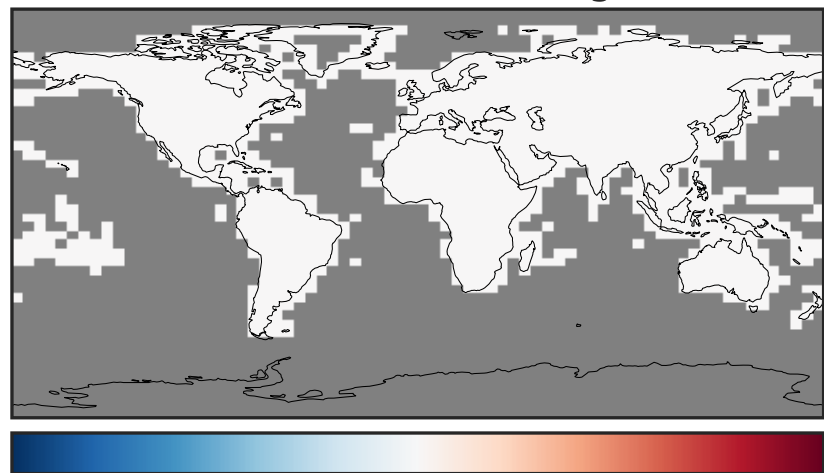
Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

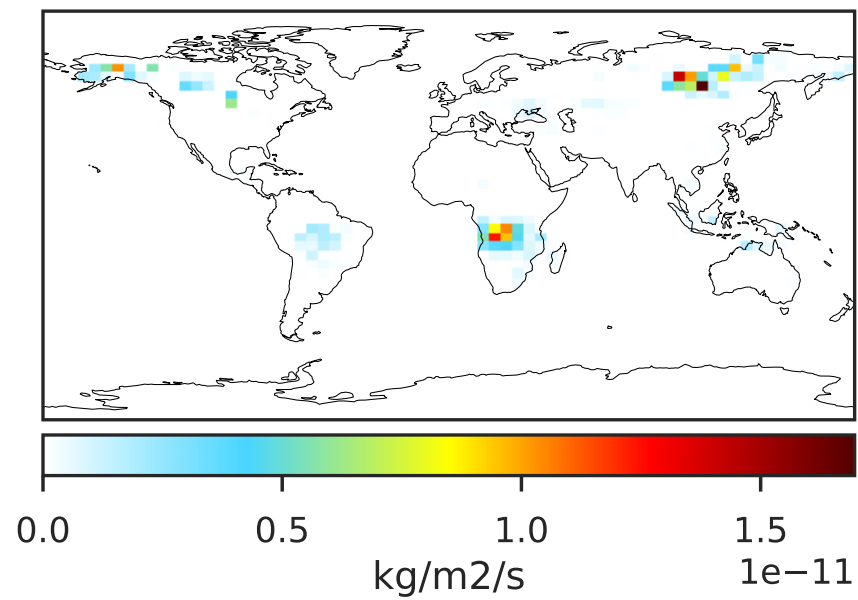
Ratio  
Dev/Ref, Fixed Range



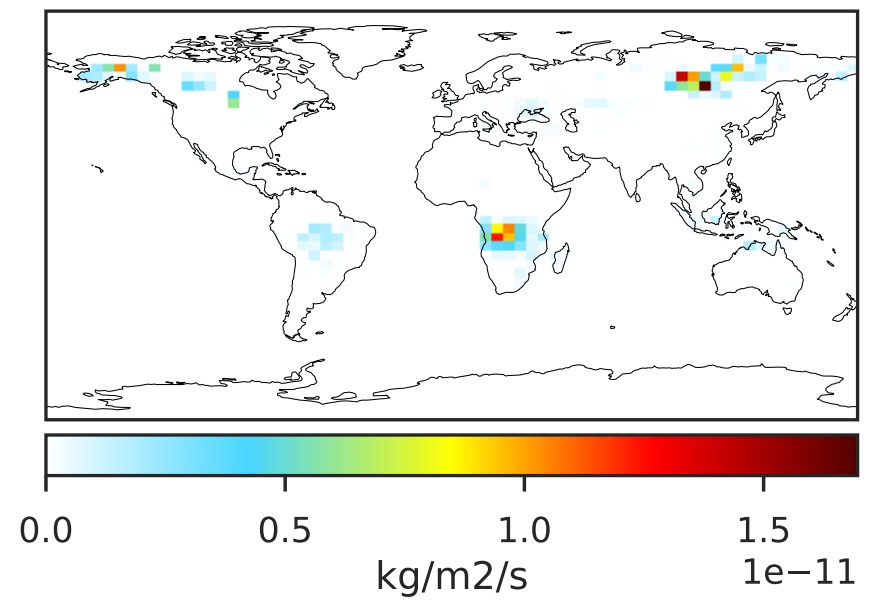
Ref and Dev equal throughout domain  
unitless

# EmisMEK\_BioBurn

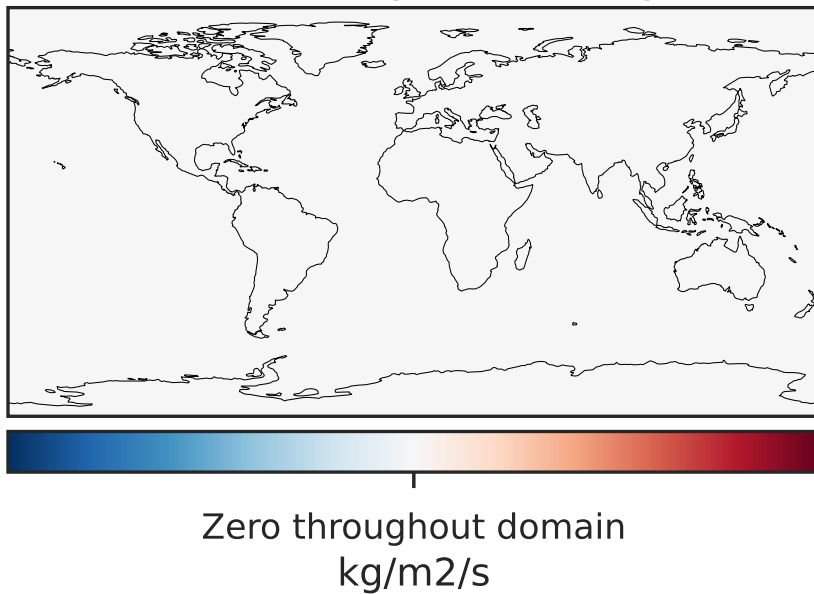
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



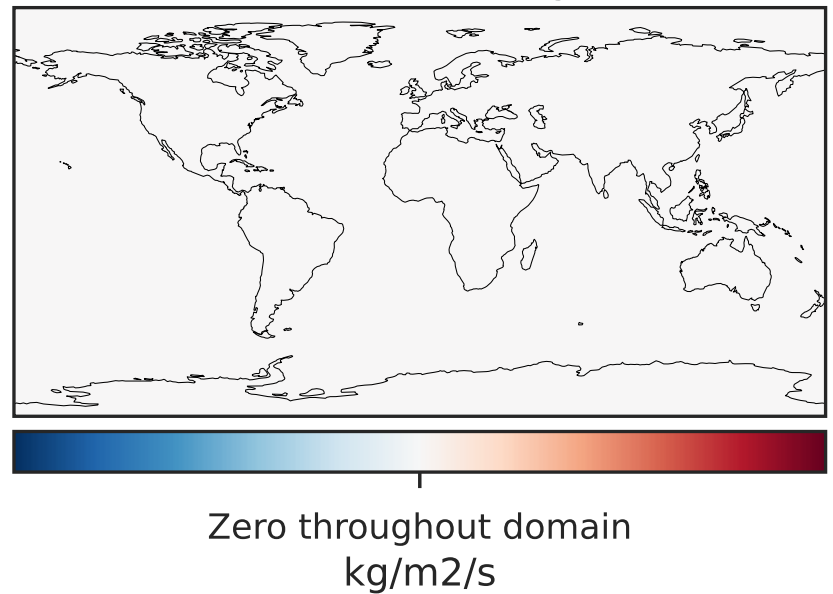
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



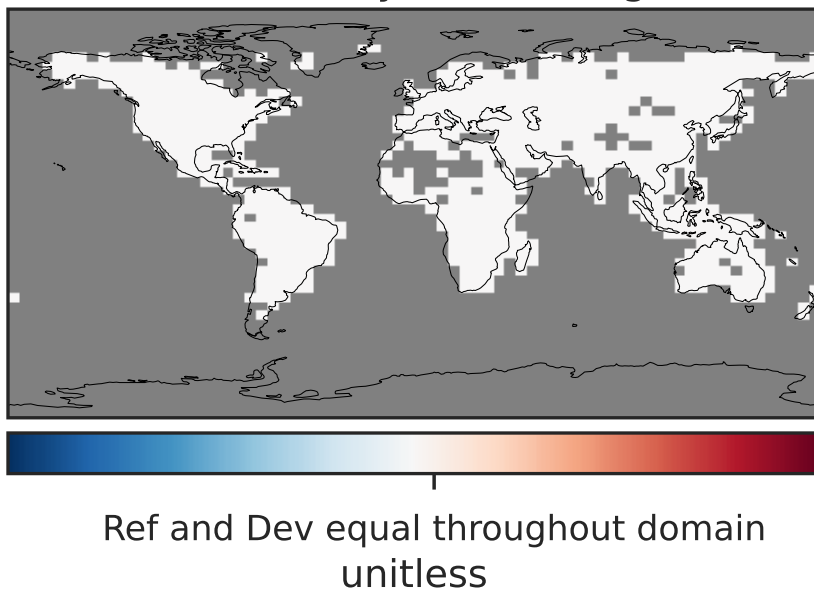
Difference  
Dev - Ref, Dynamic Range



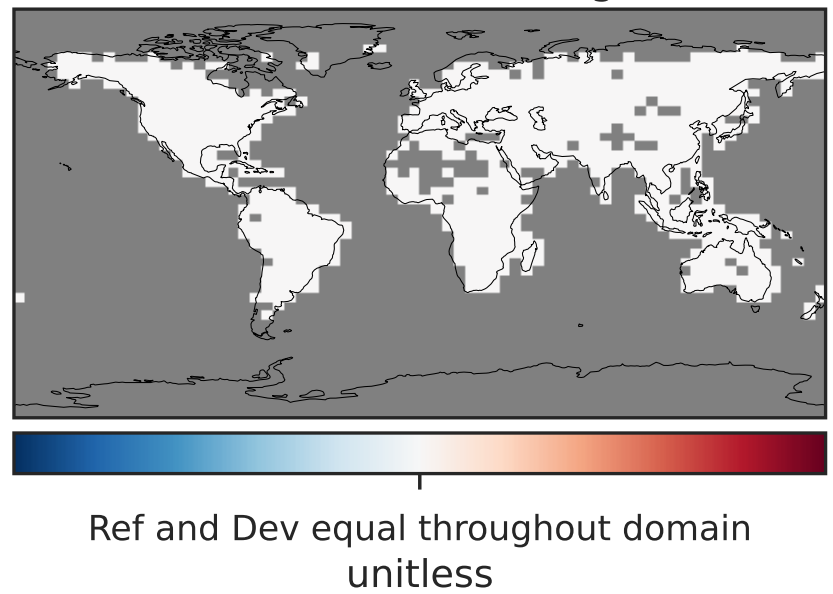
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

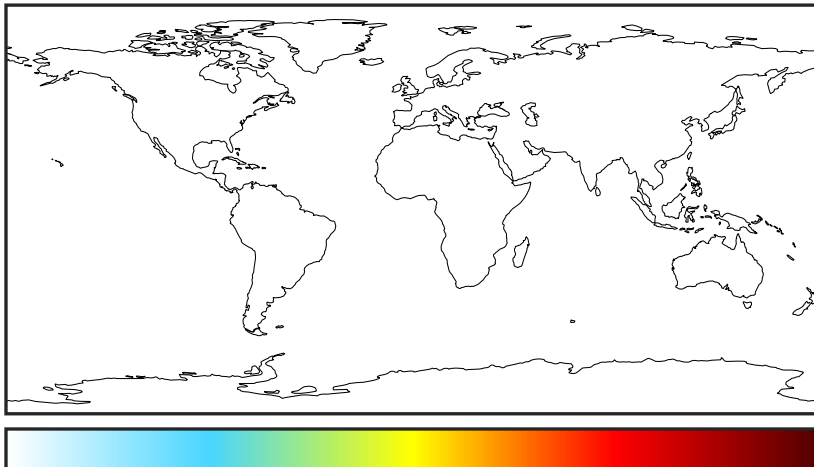


Ratio  
Dev/Ref, Fixed Range



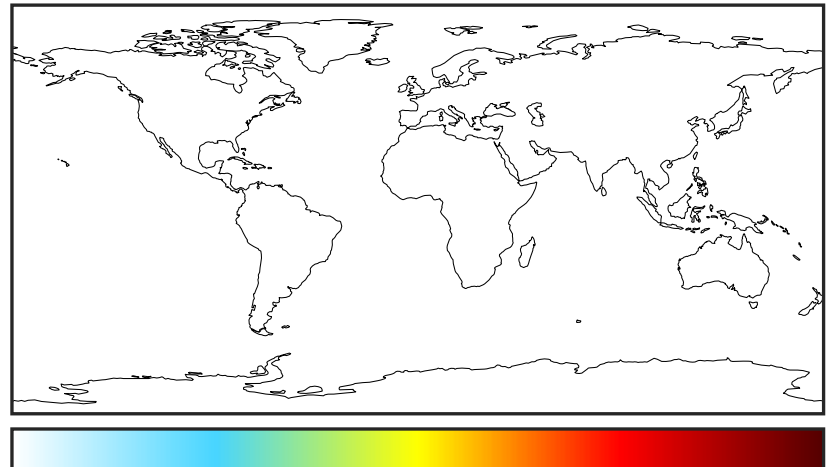
# EmisMEK\_Ship

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



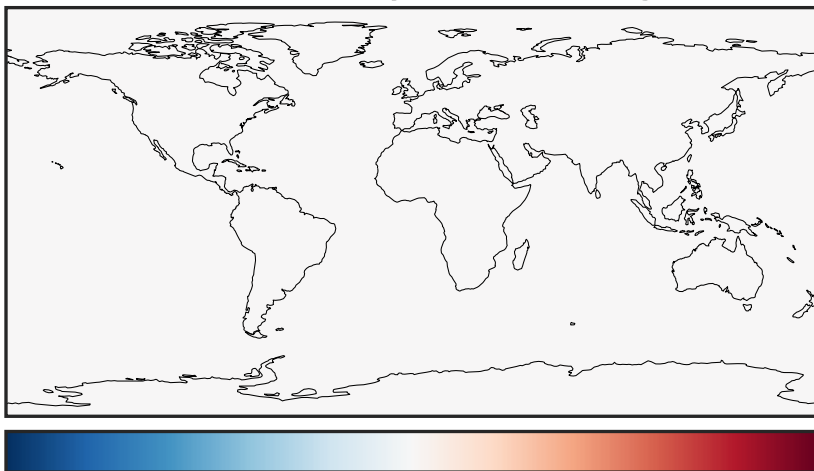
Zero throughout domain  
kg/m2/s

gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



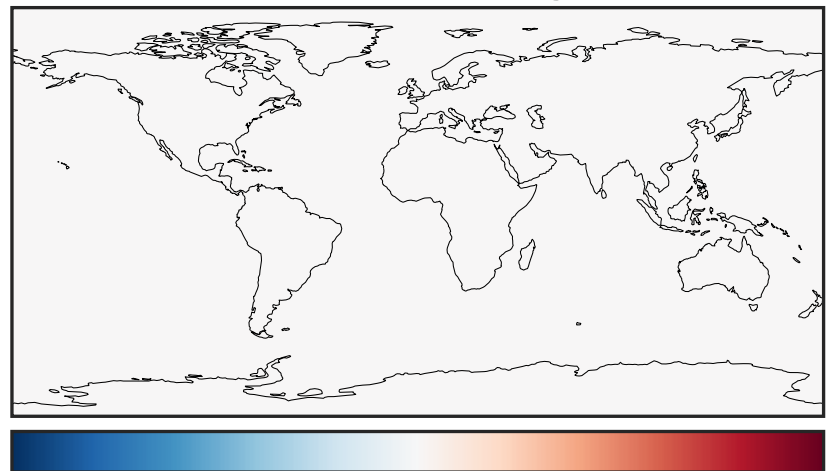
Zero throughout domain  
kg/m2/s

Difference  
Dev - Ref, Dynamic Range



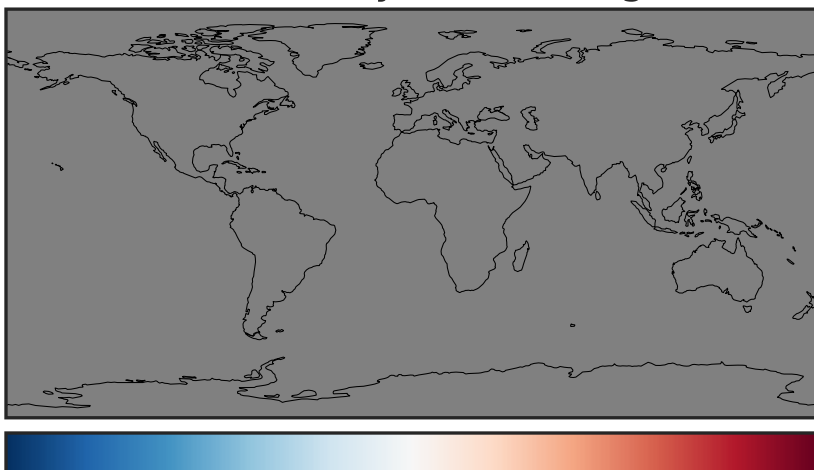
Zero throughout domain  
kg/m2/s

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



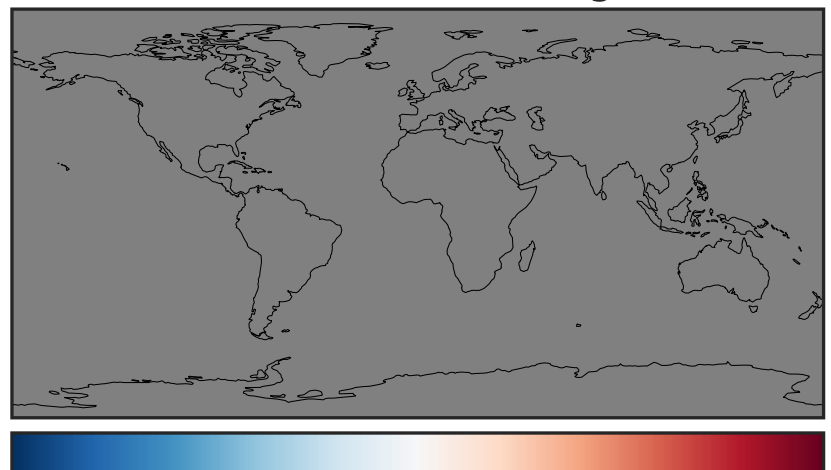
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

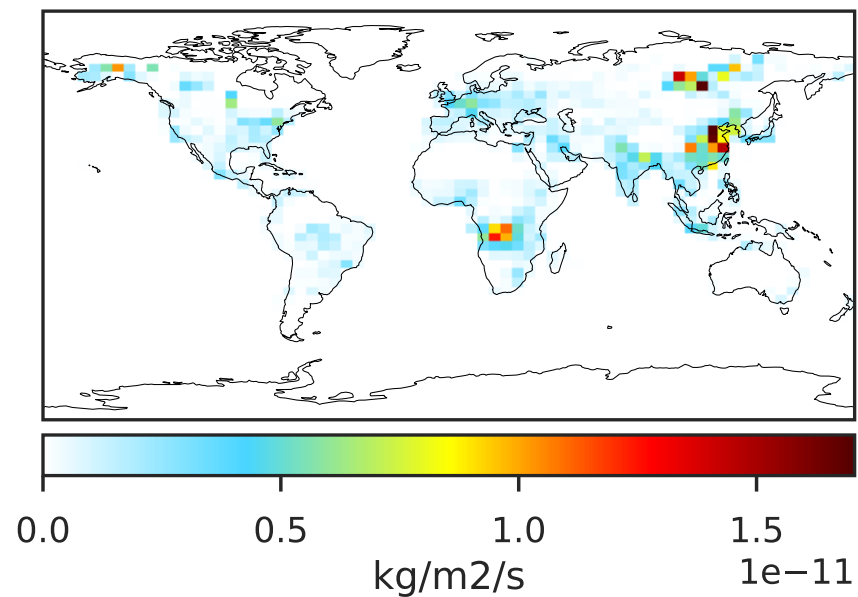
Ratio  
Dev/Ref, Fixed Range



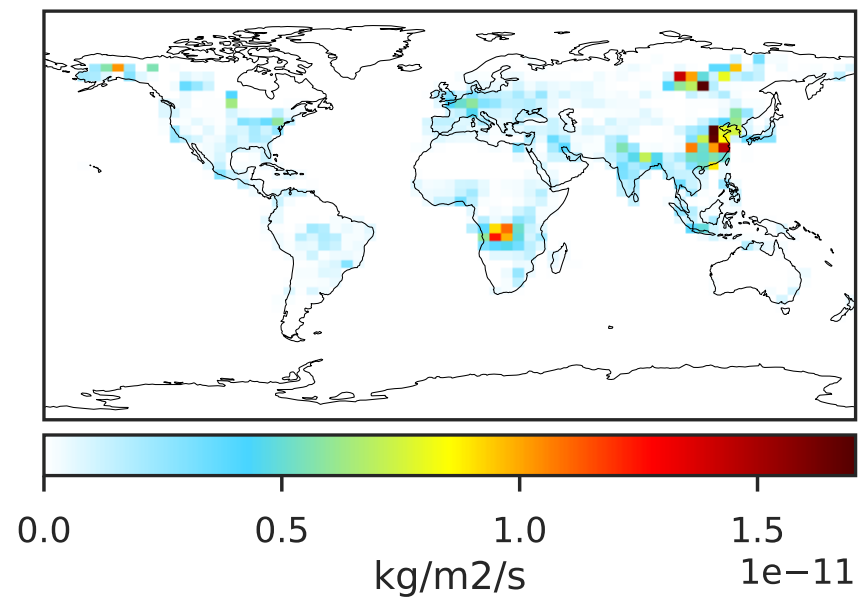
Undefined throughout domain  
unitless

# EmisMEK\_Total

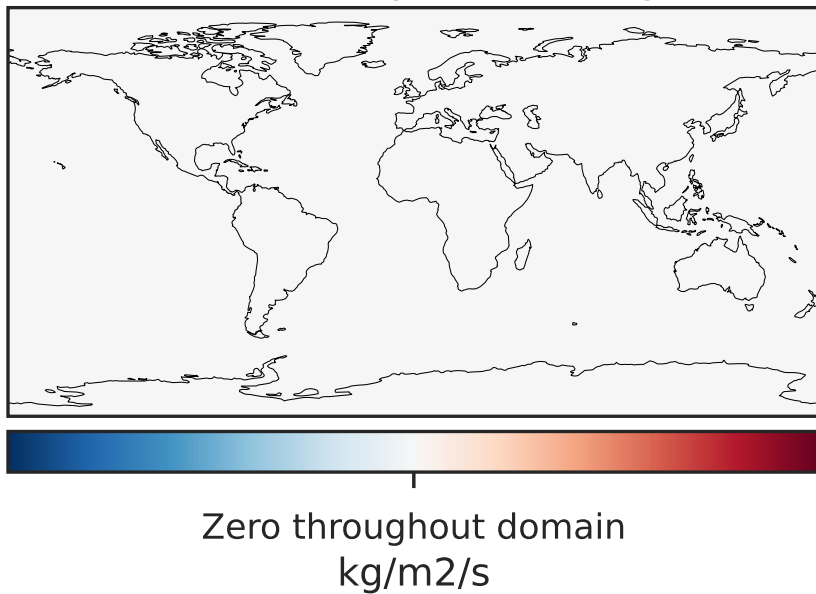
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



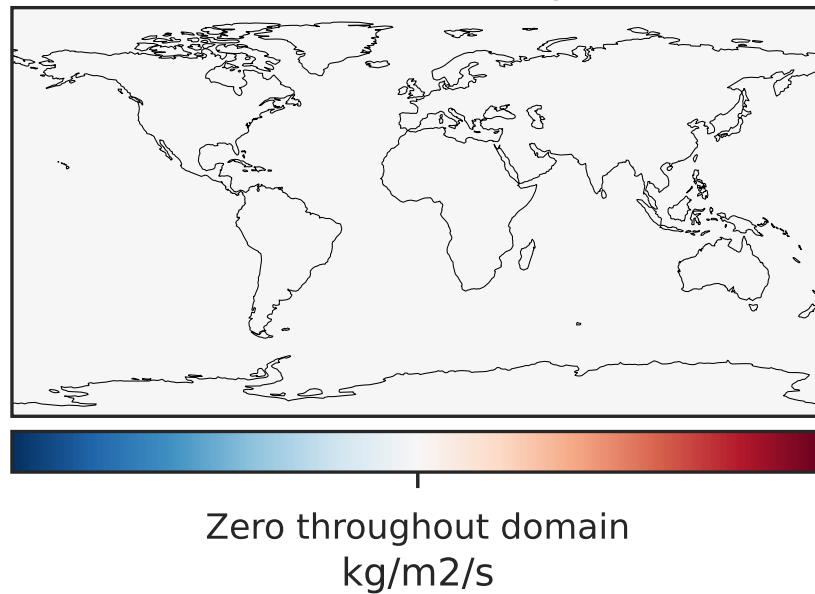
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



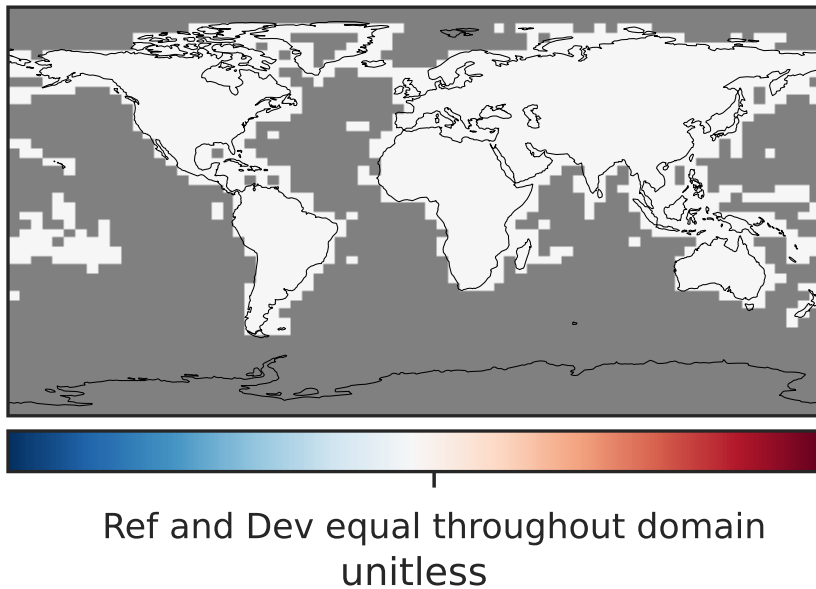
Difference  
Dev - Ref, Dynamic Range



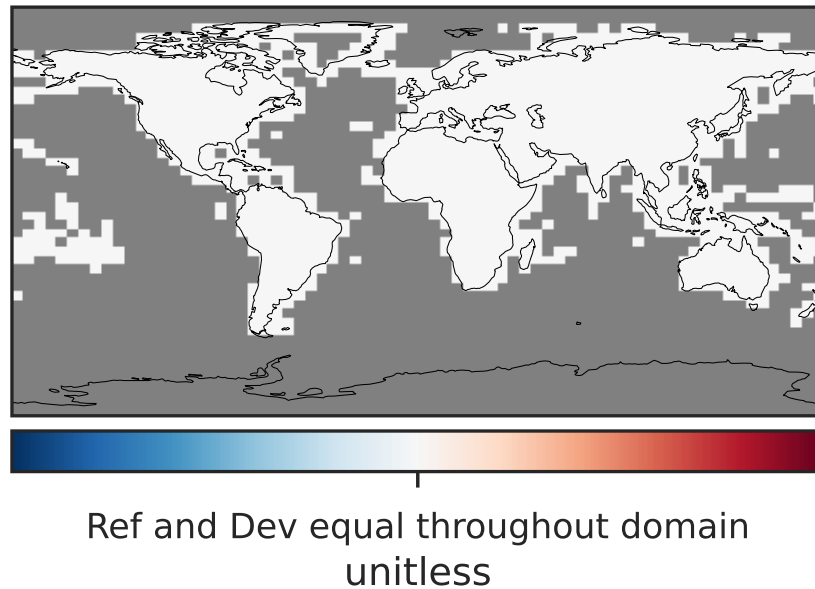
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



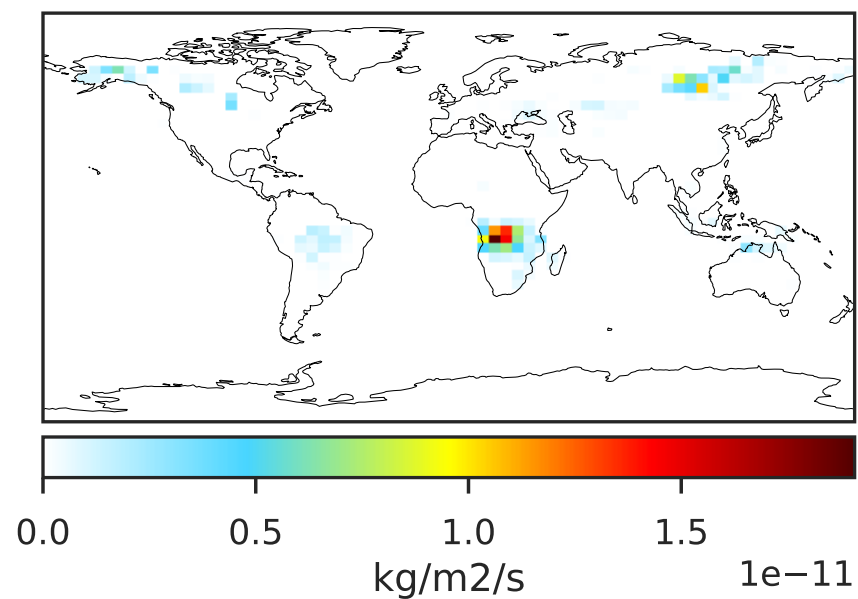
Ratio  
Dev/Ref, Fixed Range



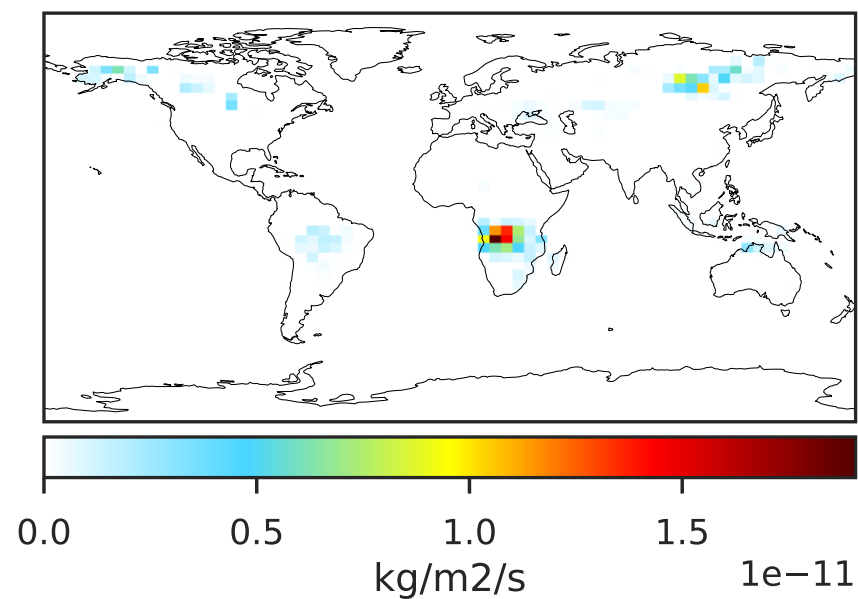


# EmisMVK\_BioBurn

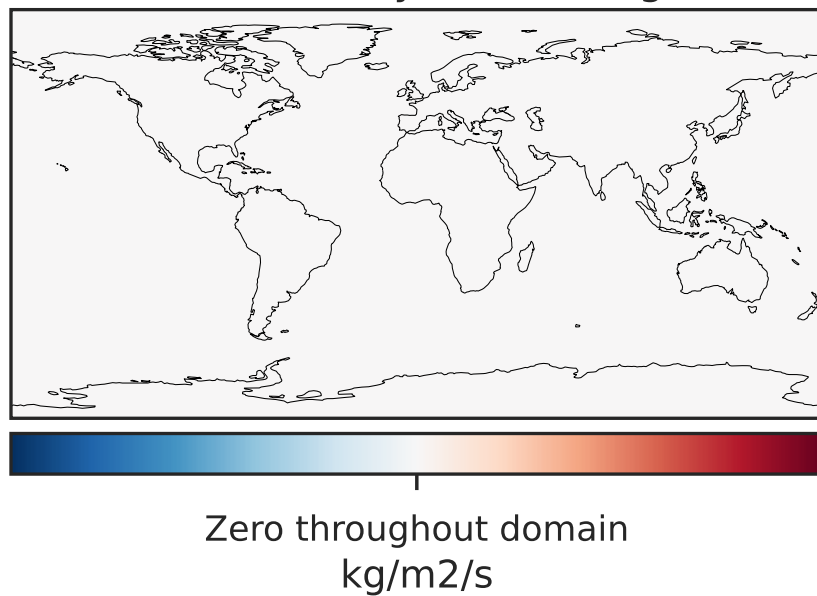
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



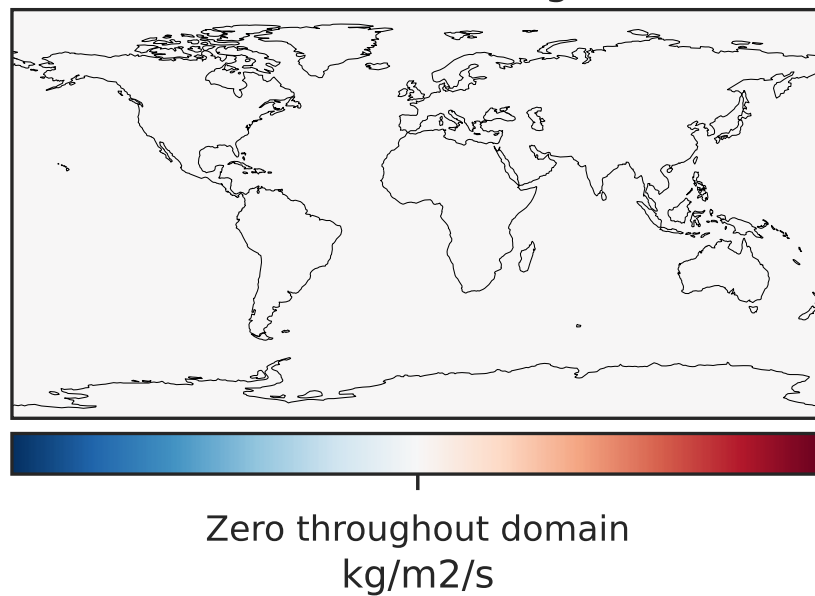
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



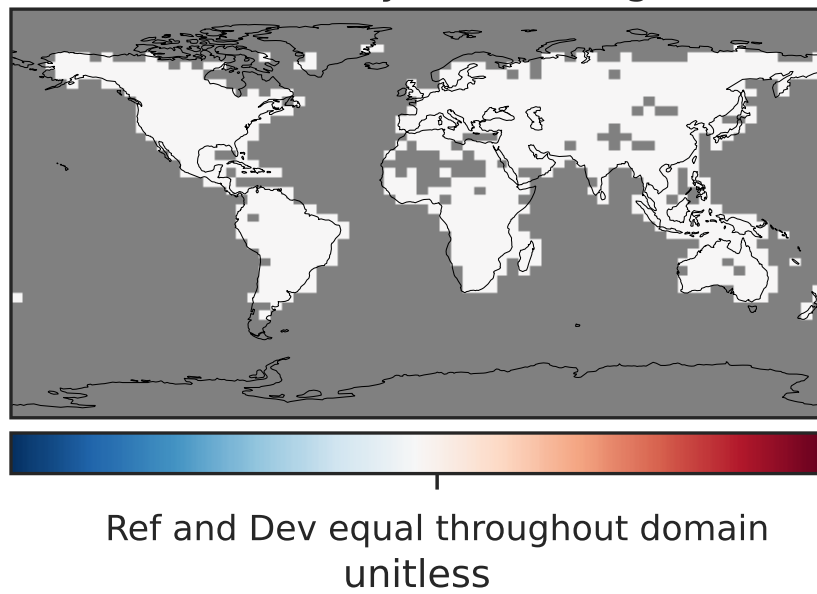
Difference  
Dev - Ref, Dynamic Range



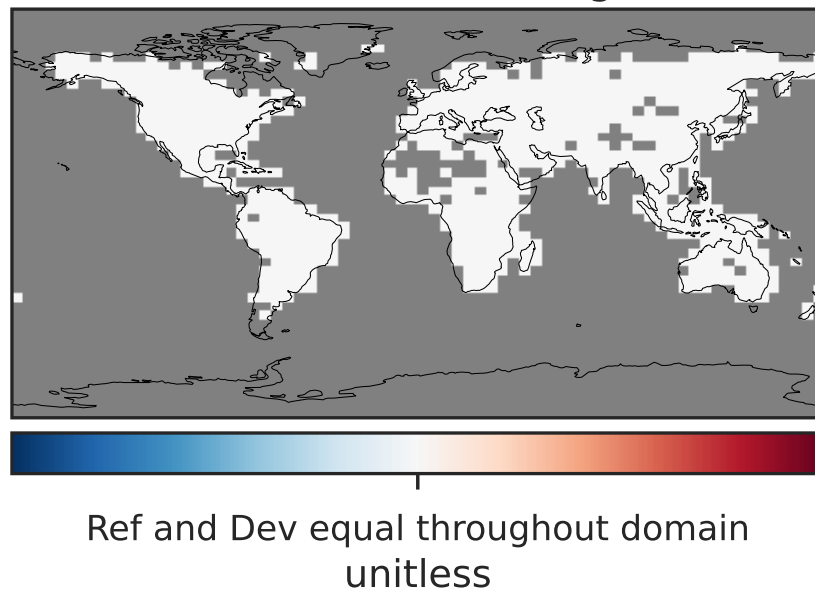
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

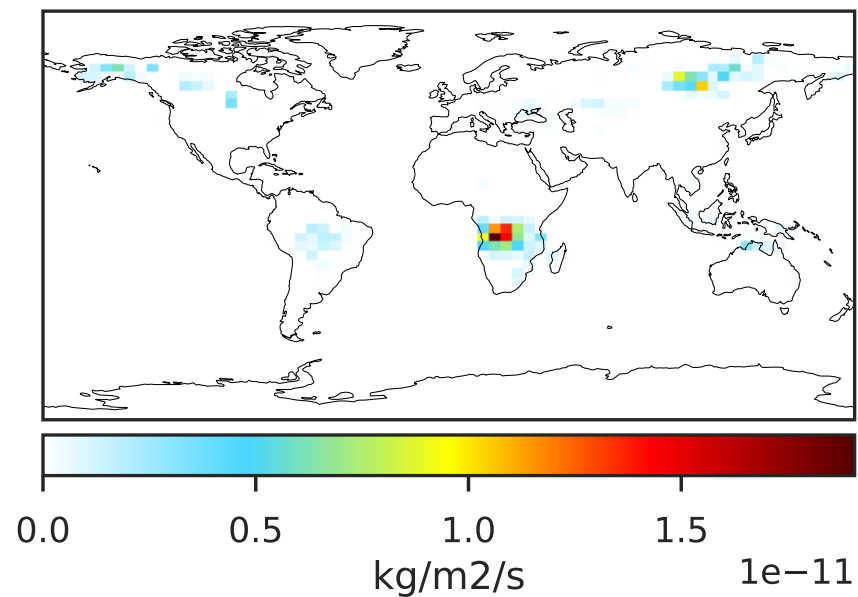


Ratio  
Dev/Ref, Fixed Range

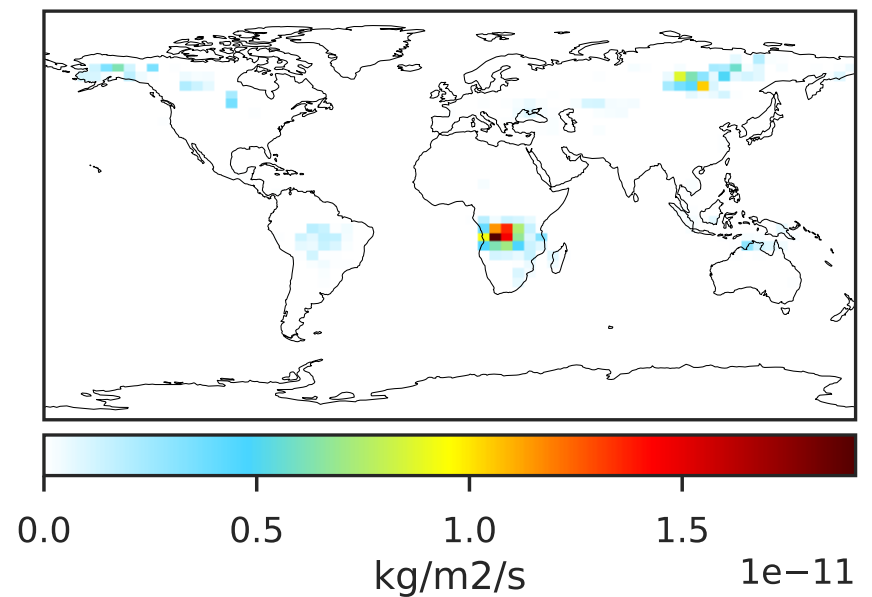


# EmisMVK\_Total

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



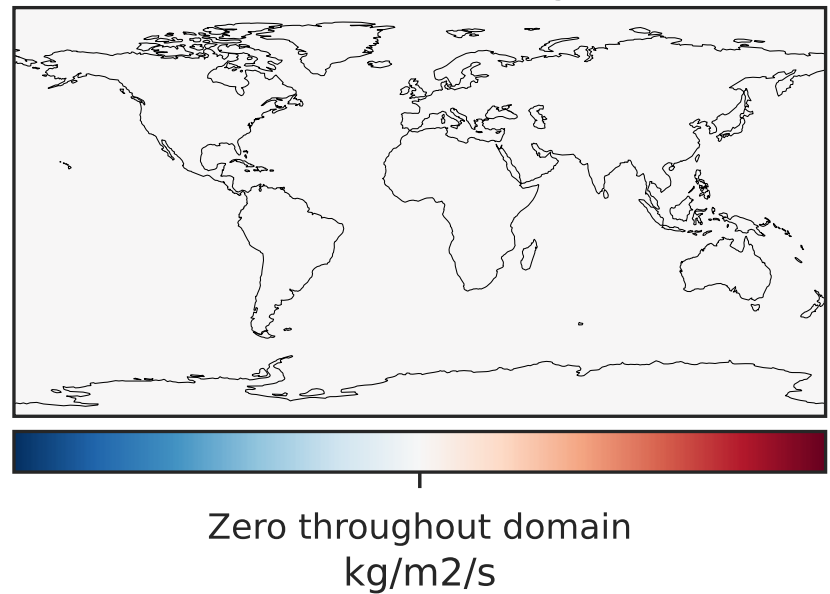
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



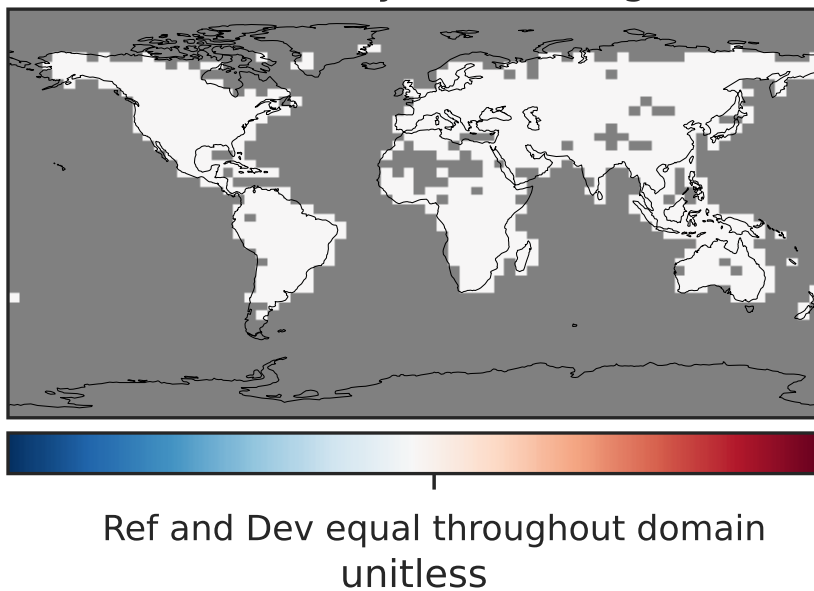
Difference  
Dev - Ref, Dynamic Range



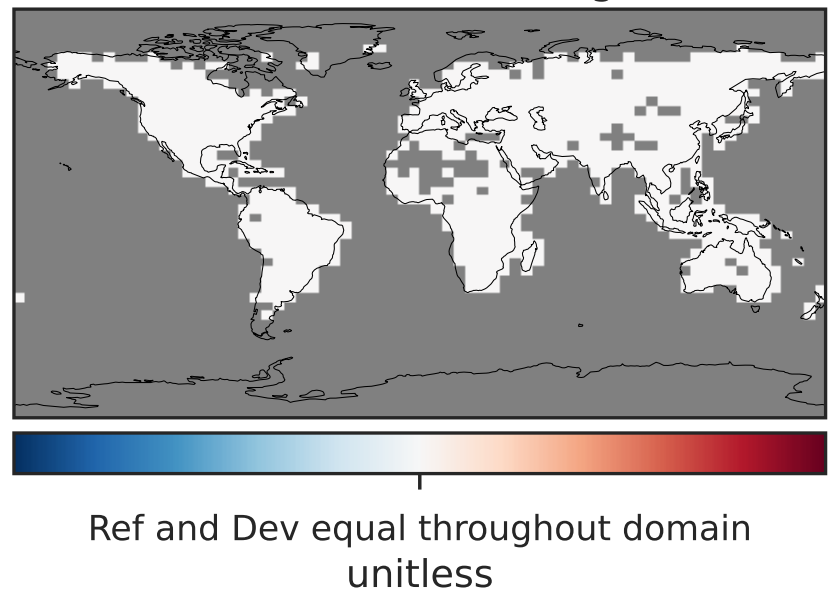
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

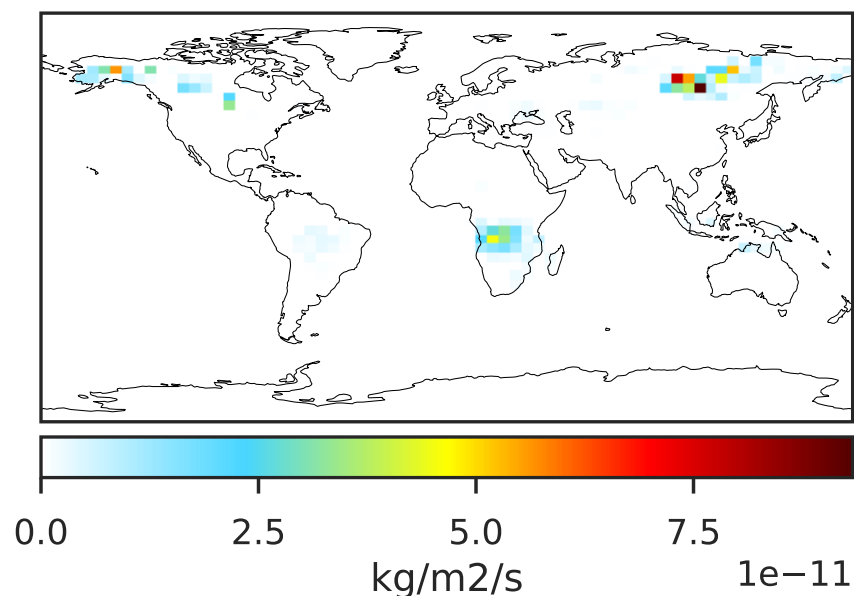


Ratio  
Dev/Ref, Fixed Range

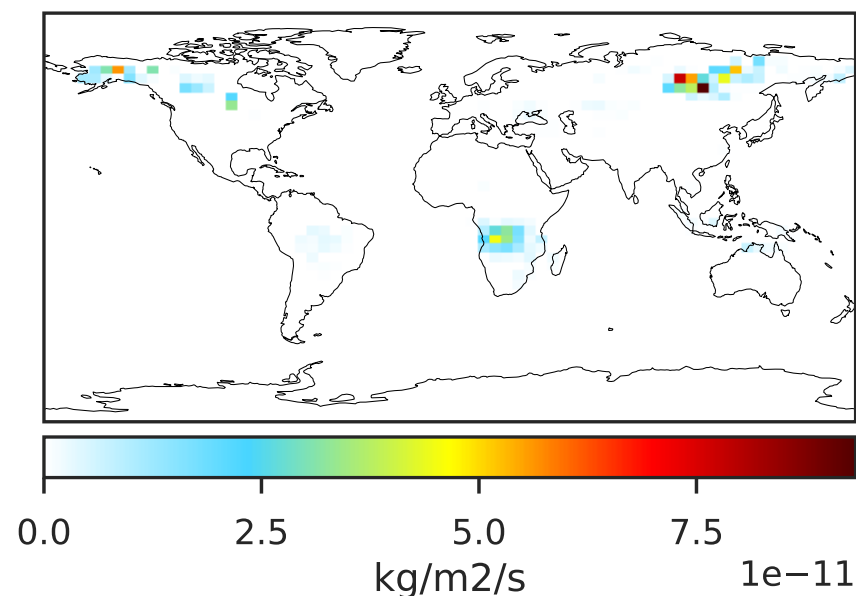


# EmisFURA\_BioBurn

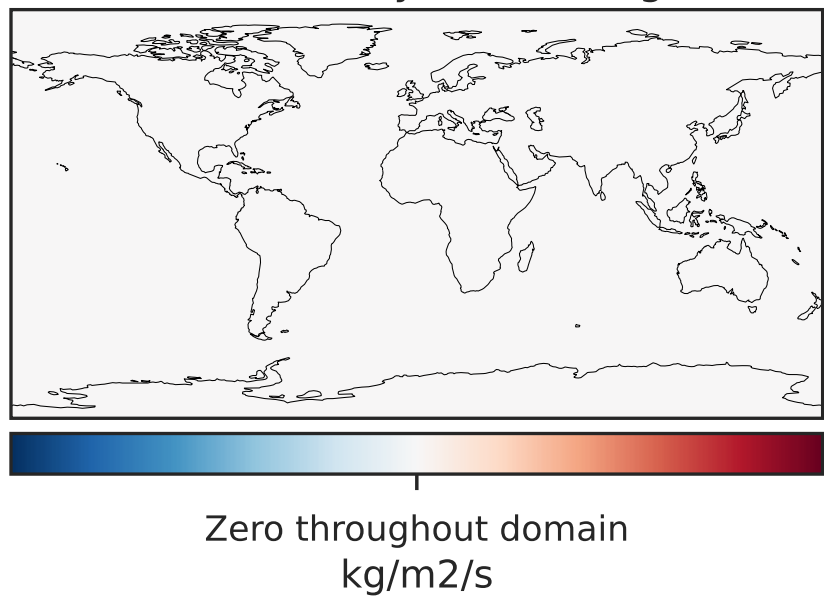
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



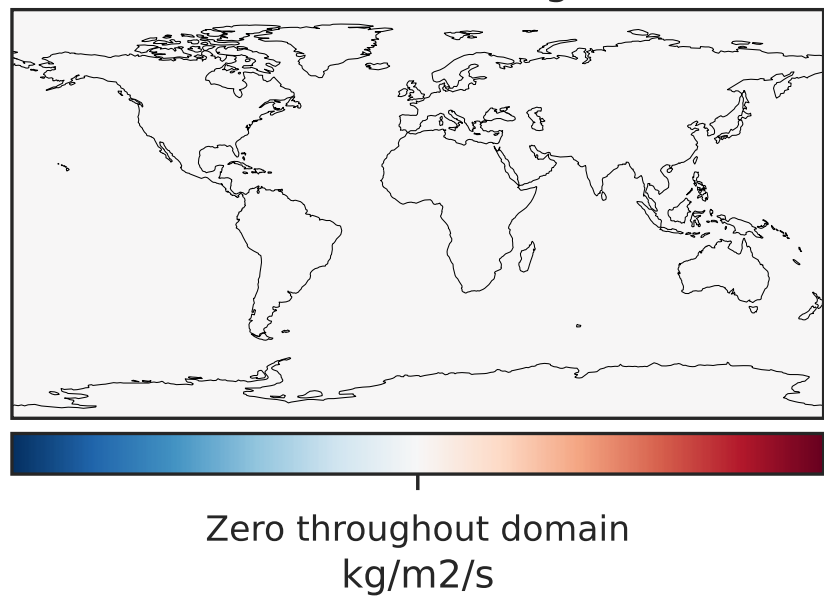
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



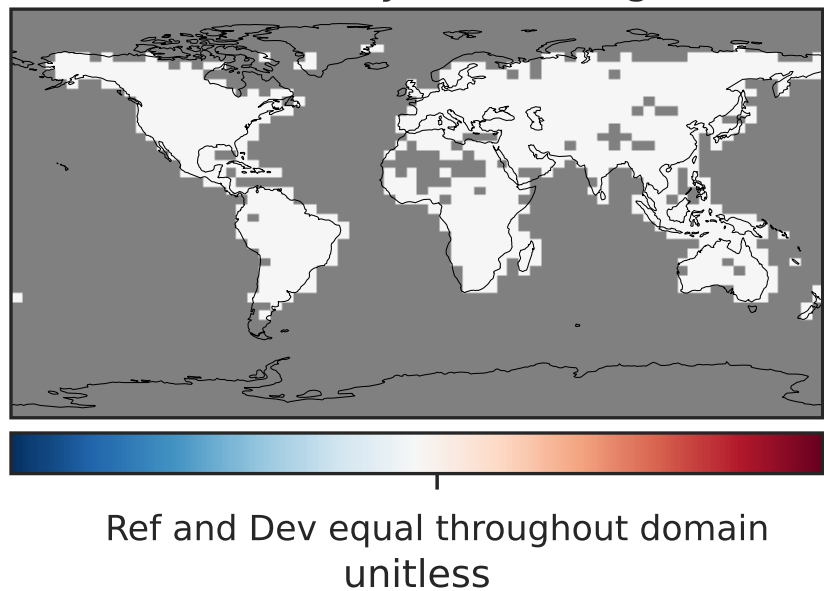
Difference  
Dev - Ref, Dynamic Range



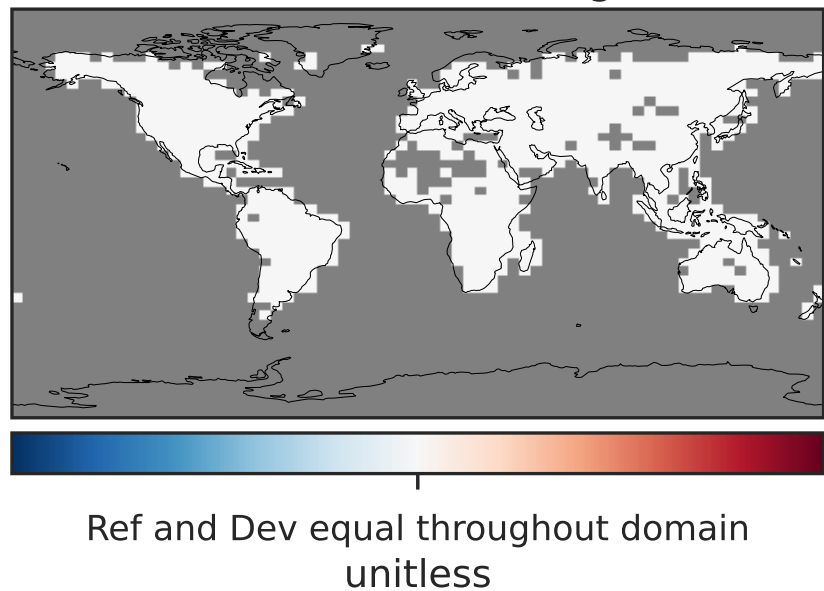
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

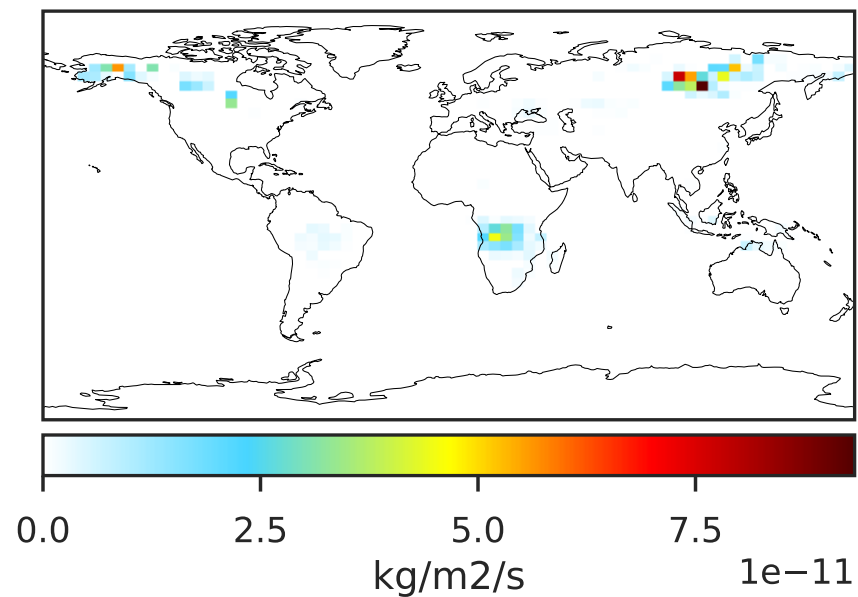


Ratio  
Dev/Ref, Fixed Range

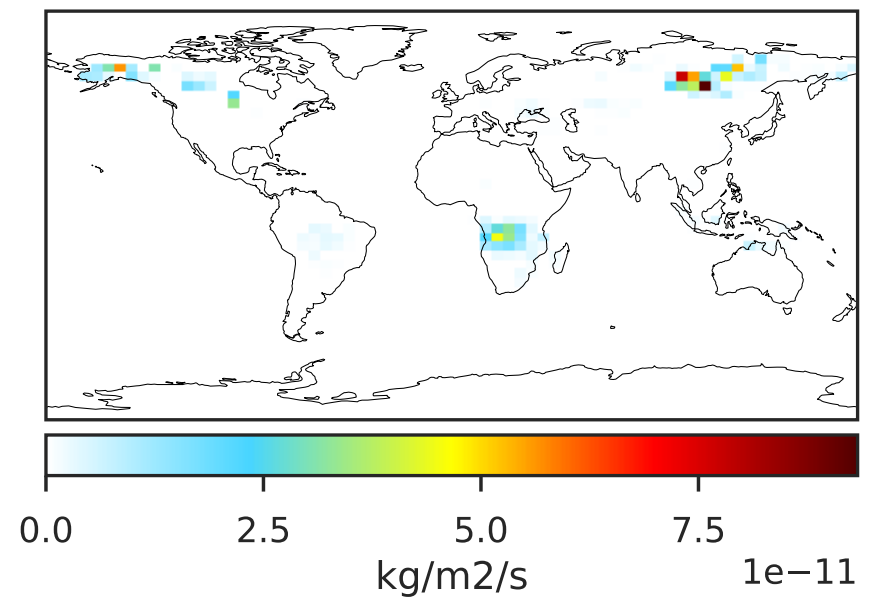


# EmisFURA\_Total

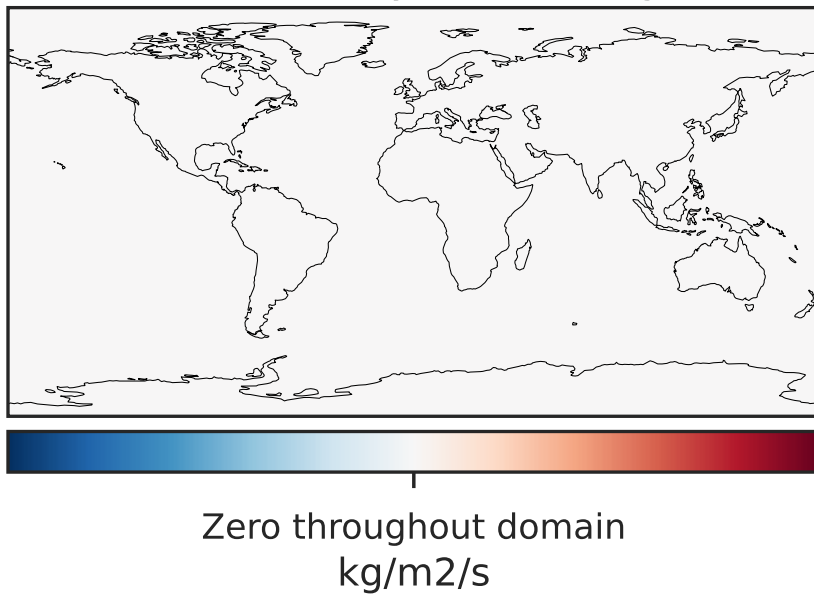
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



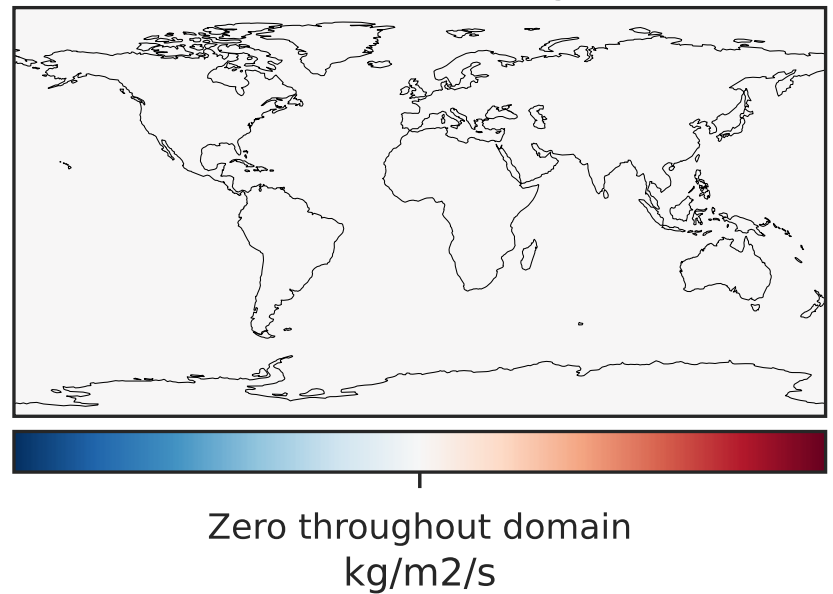
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



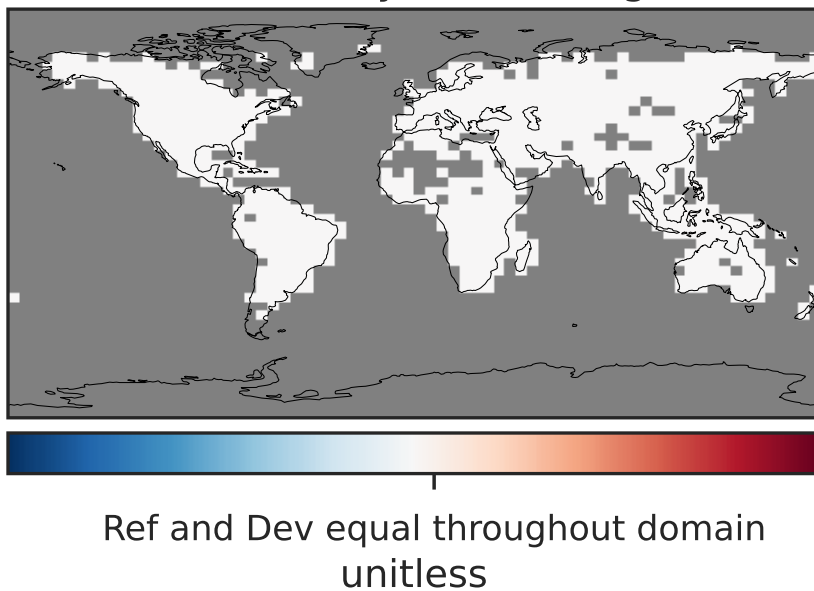
Difference  
Dev - Ref, Dynamic Range



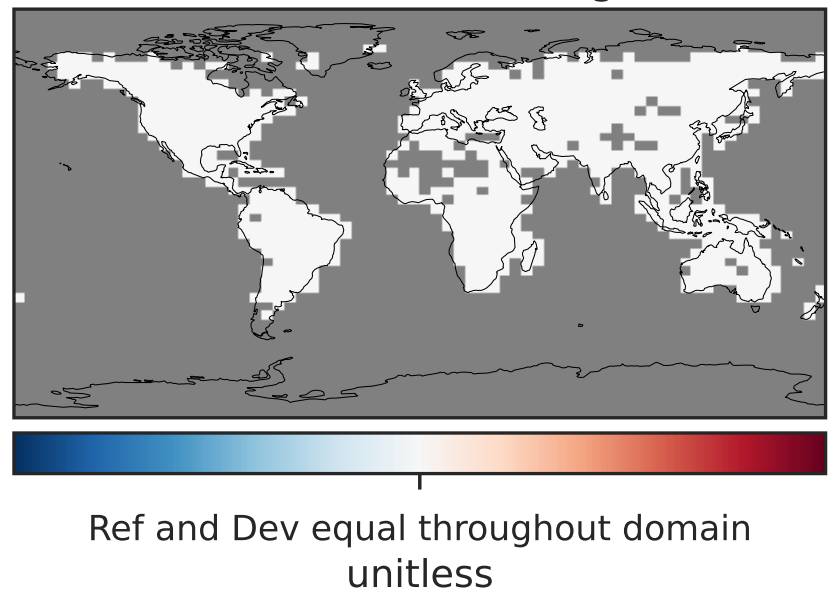
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

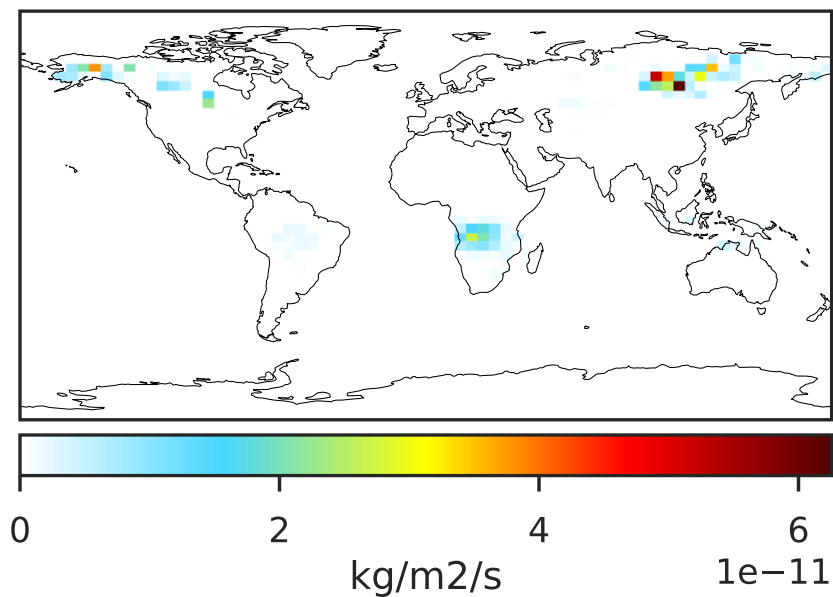


Ratio  
Dev/Ref, Fixed Range

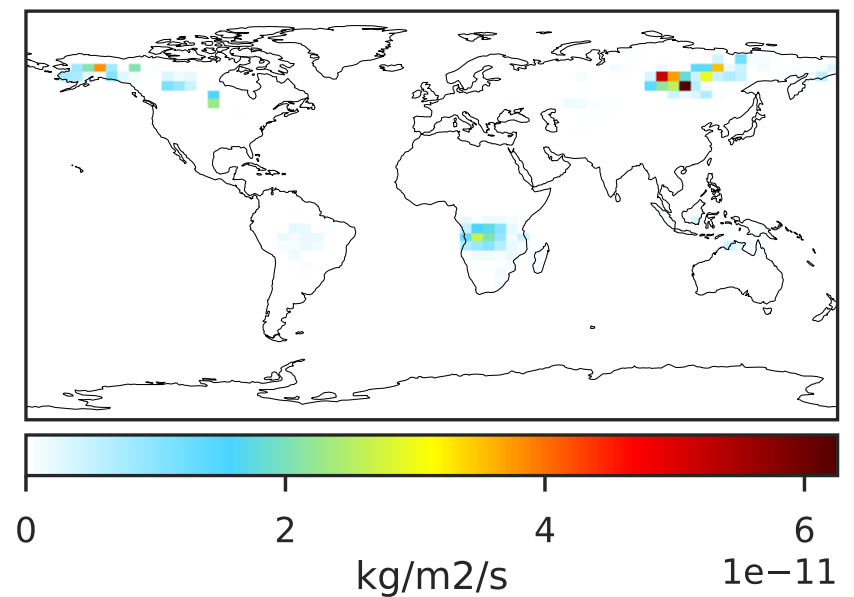


# EmisGLYX\_BioBurn

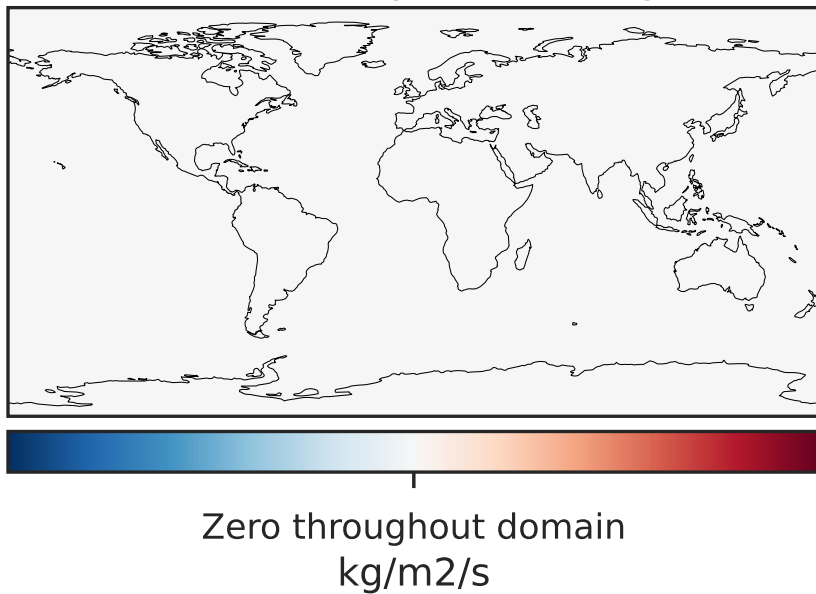
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



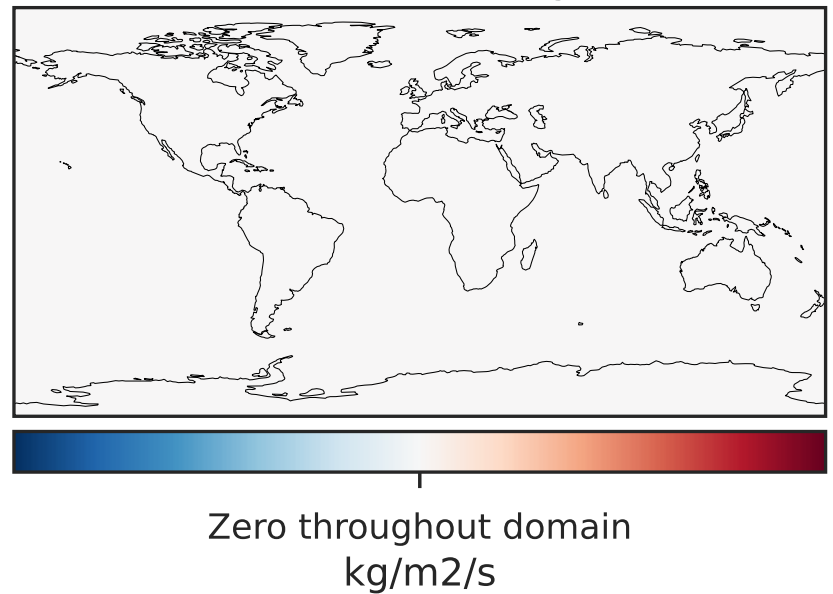
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



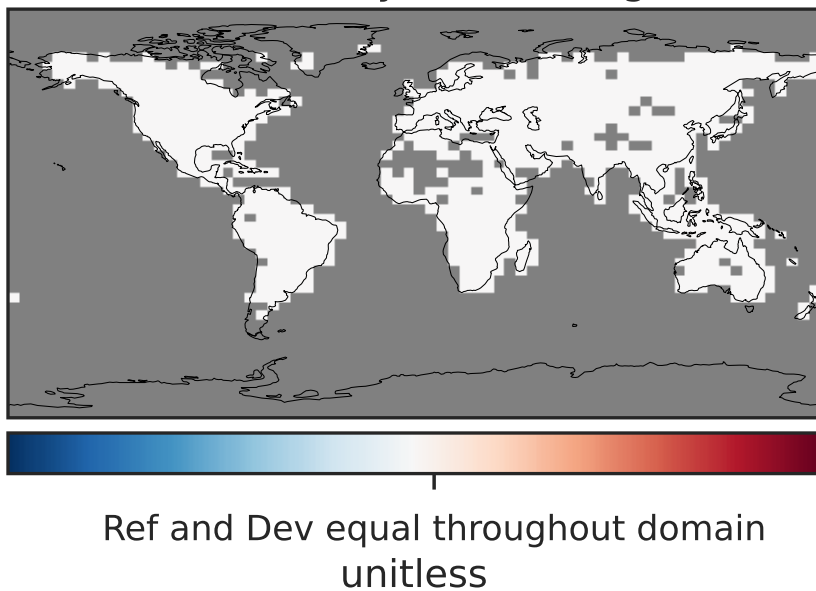
Difference  
Dev - Ref, Dynamic Range



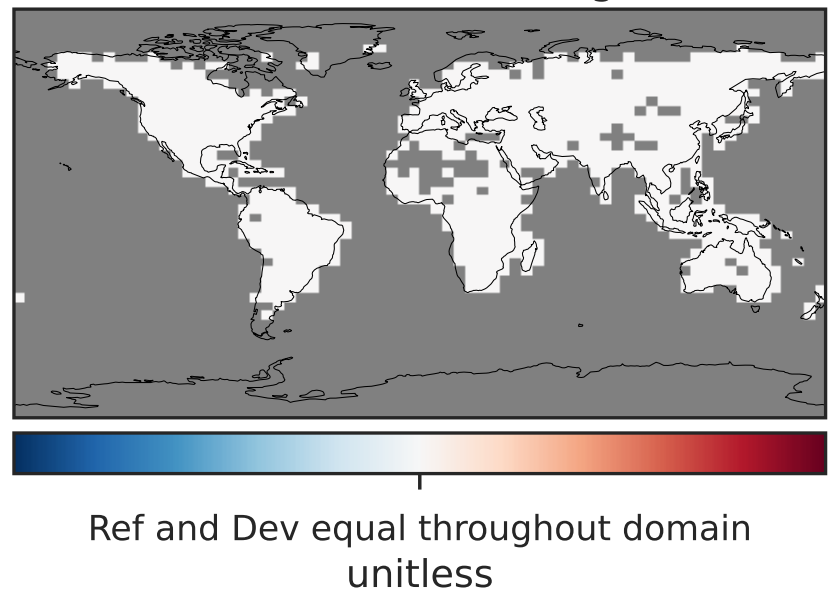
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



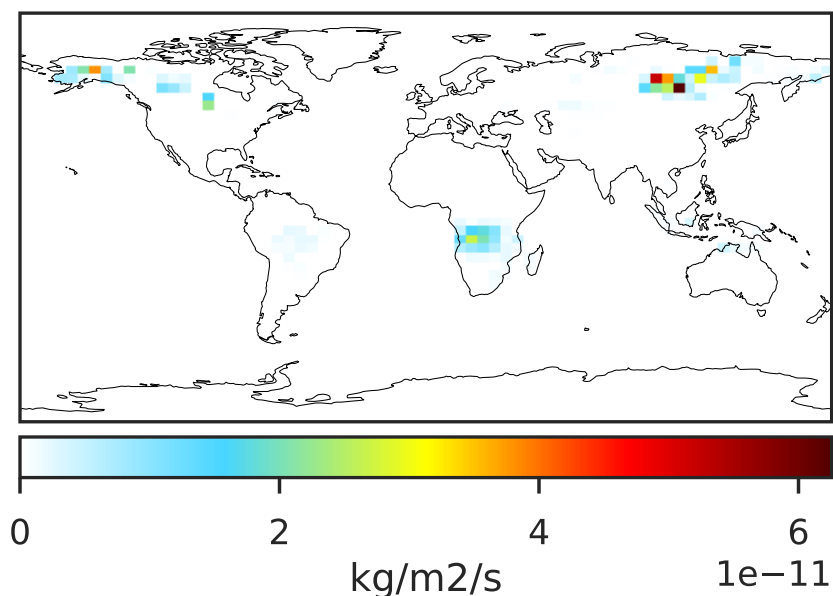
Ratio  
Dev/Ref, Fixed Range



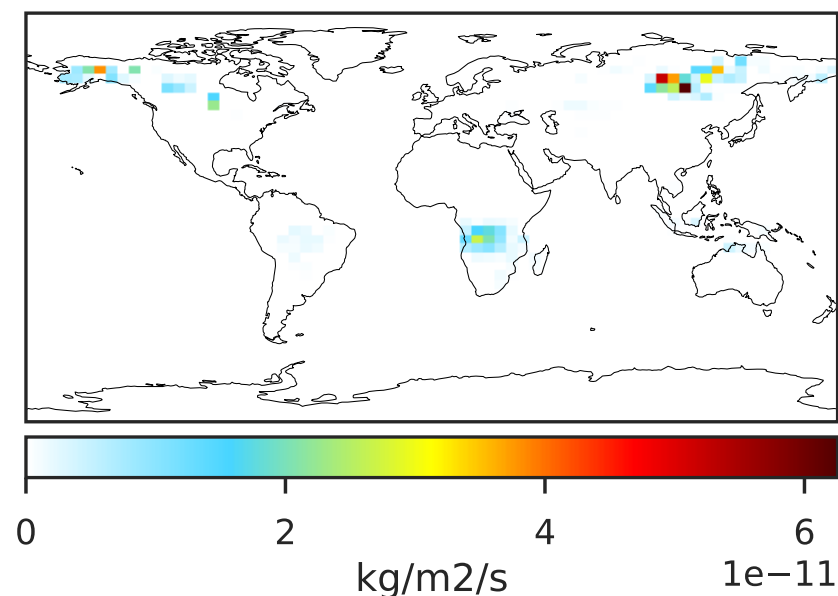


# EmisGLYX\_Total

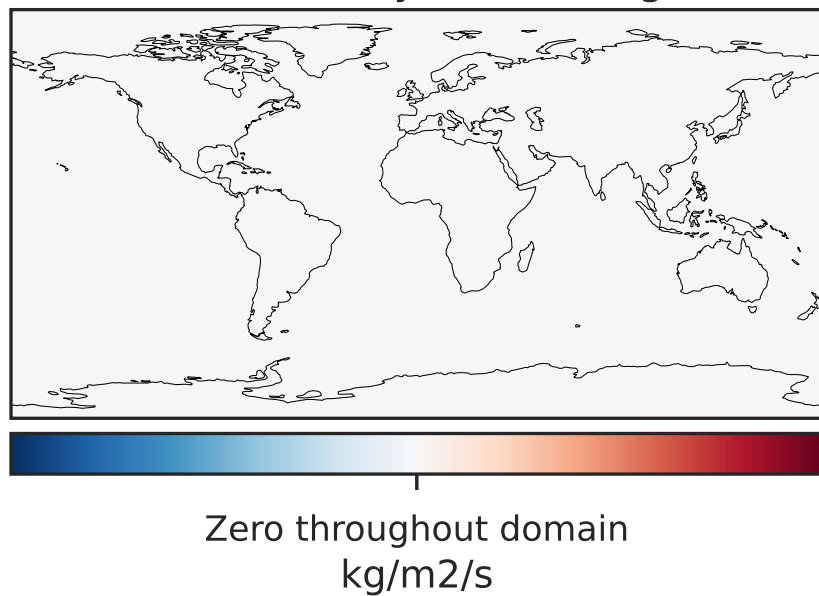
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



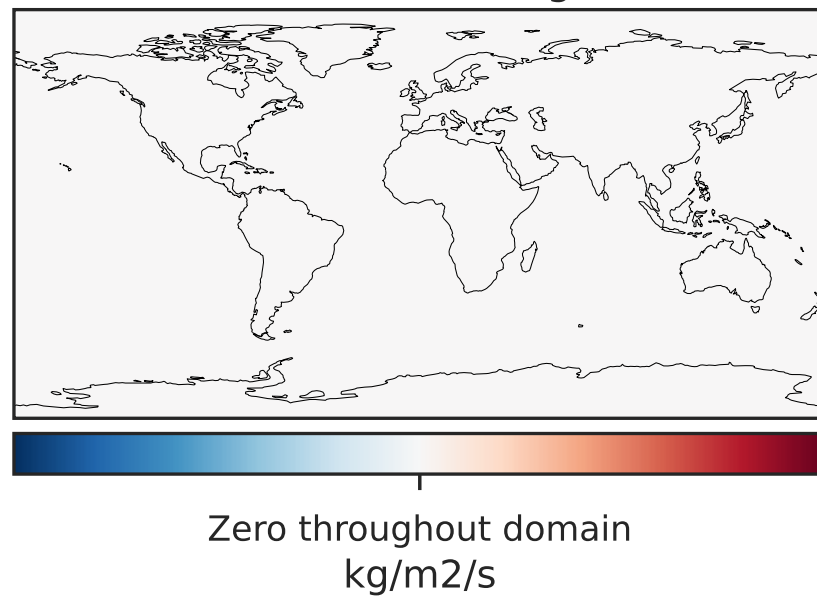
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



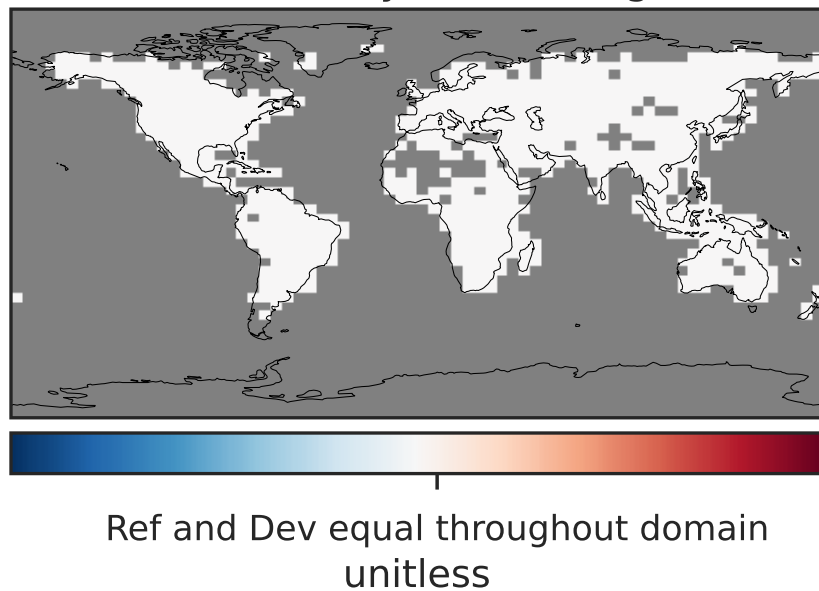
Difference  
Dev - Ref, Dynamic Range



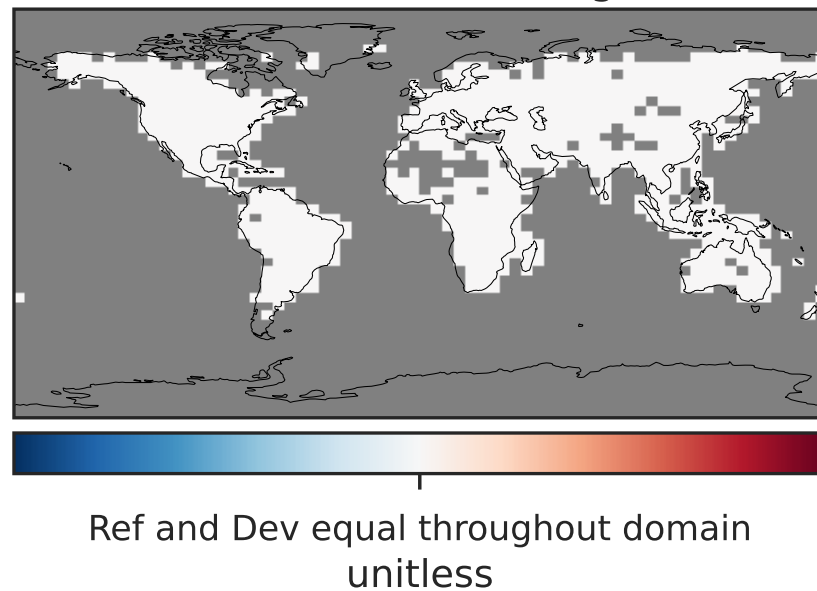
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

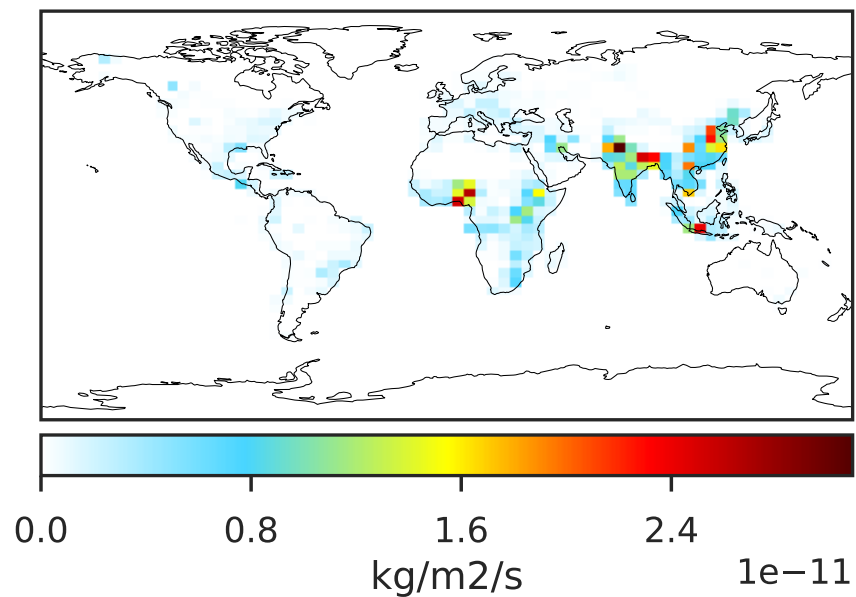


Ratio  
Dev/Ref, Fixed Range

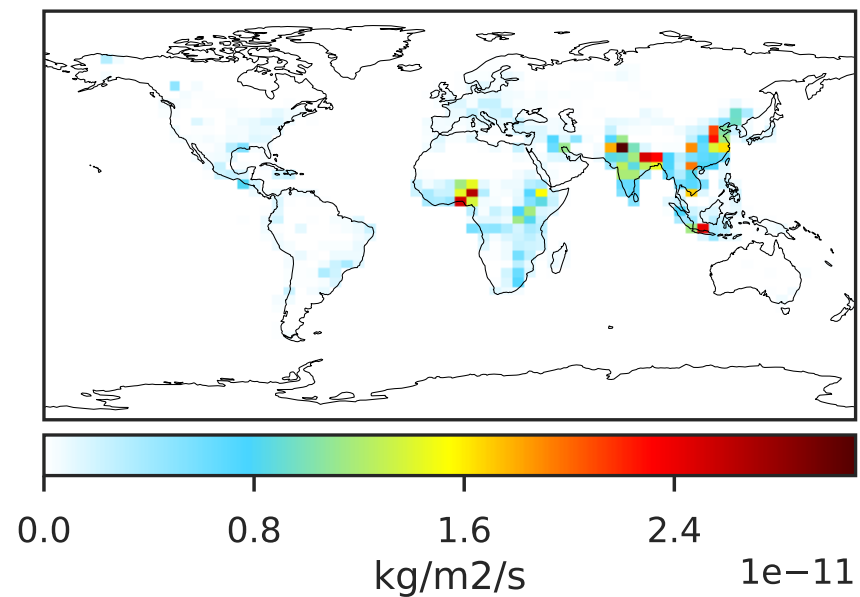


# EmisHCOOH\_Anthro

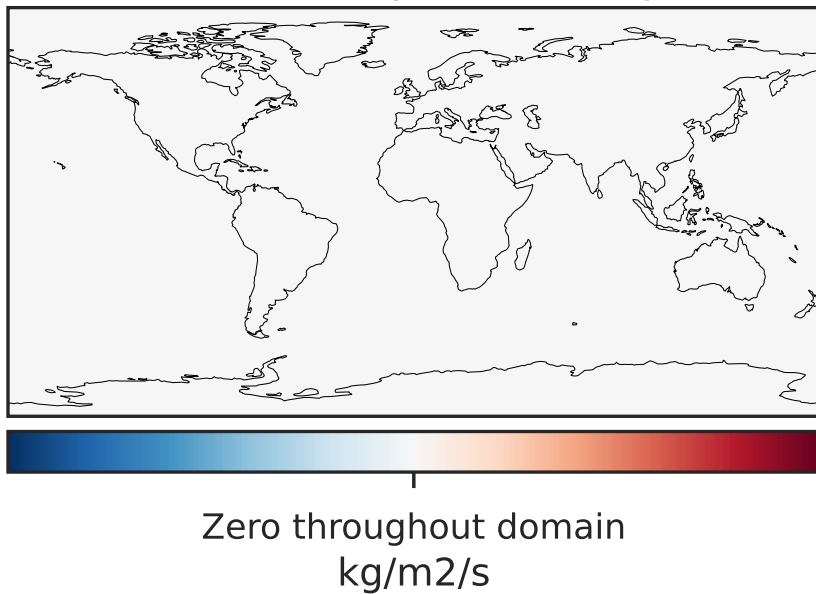
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



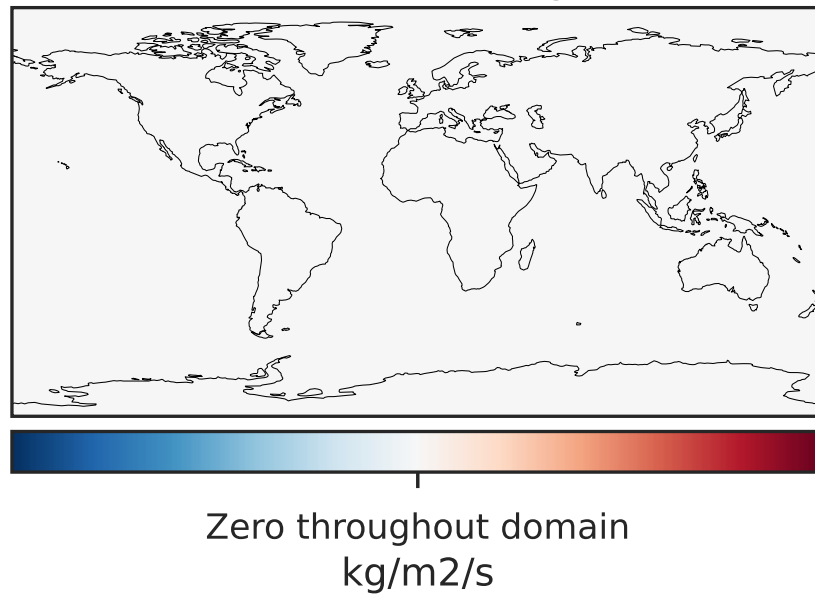
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



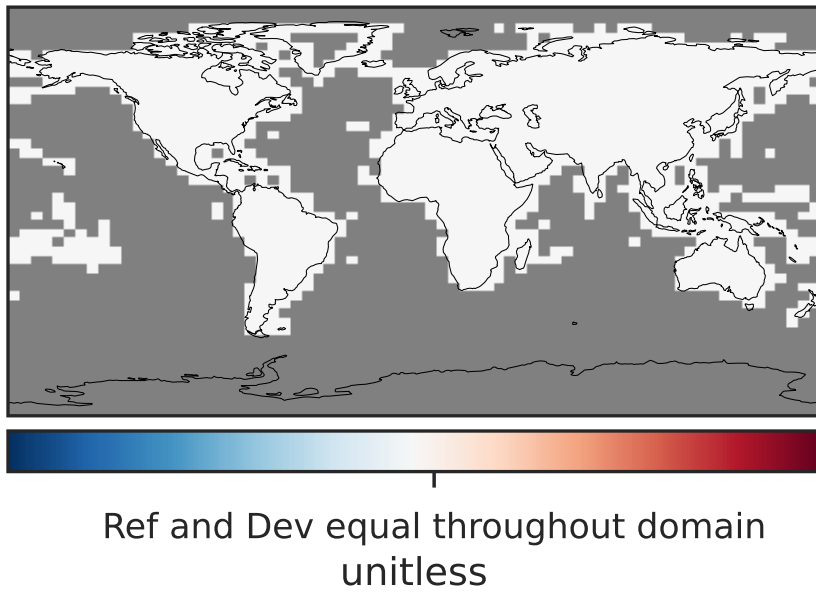
Difference  
Dev - Ref, Dynamic Range



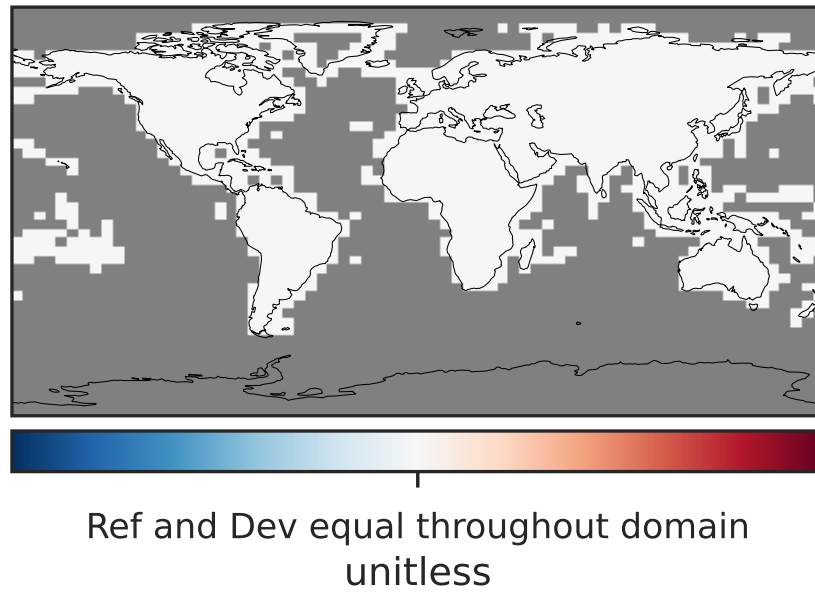
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



# EmisHCOOH\_Ship

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



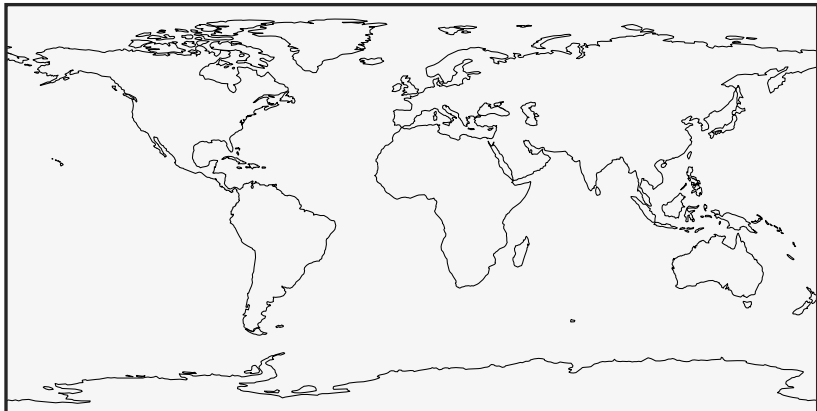
Zero throughout domain  
kg/m2/s

gcc-4x5-1Mon-14.2.3 (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

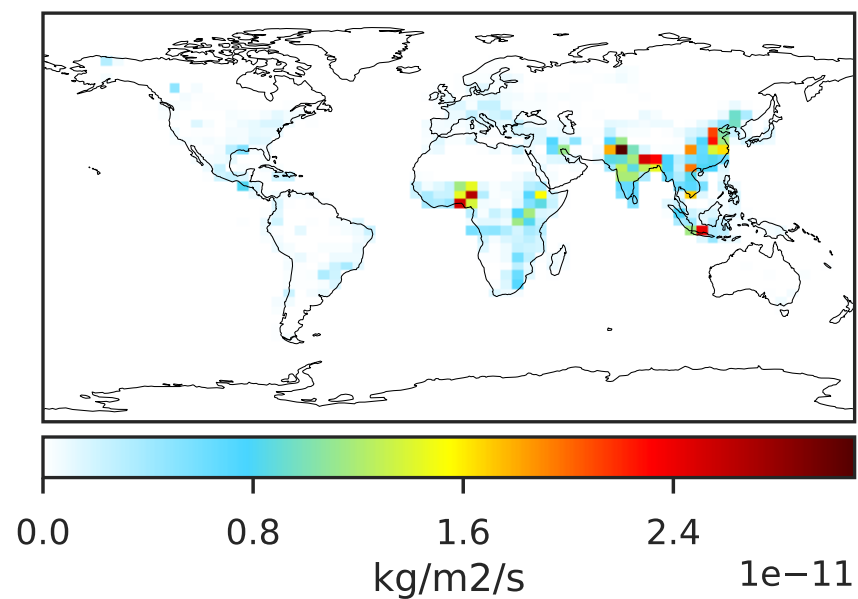
Ratio  
Dev/Ref, Fixed Range



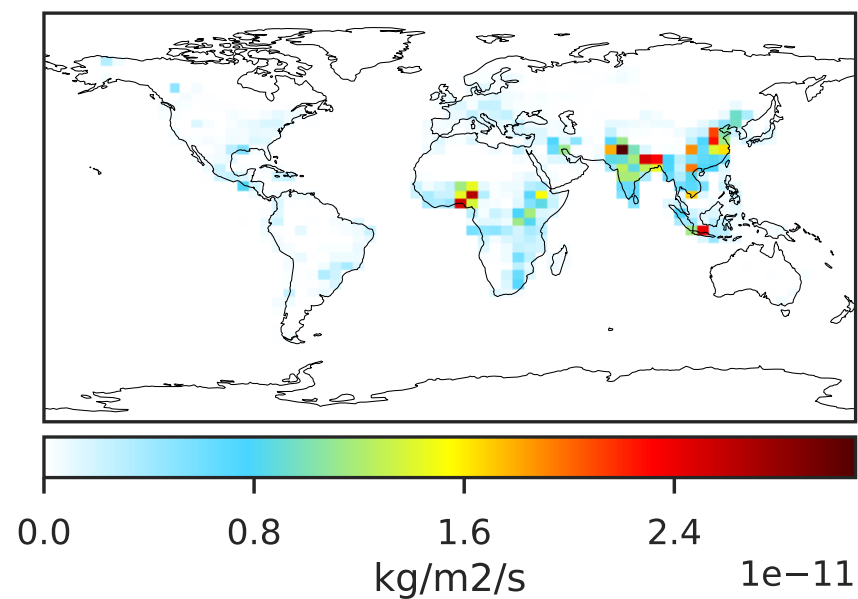
Undefined throughout domain  
unitless

# EmisHCOOH\_Total

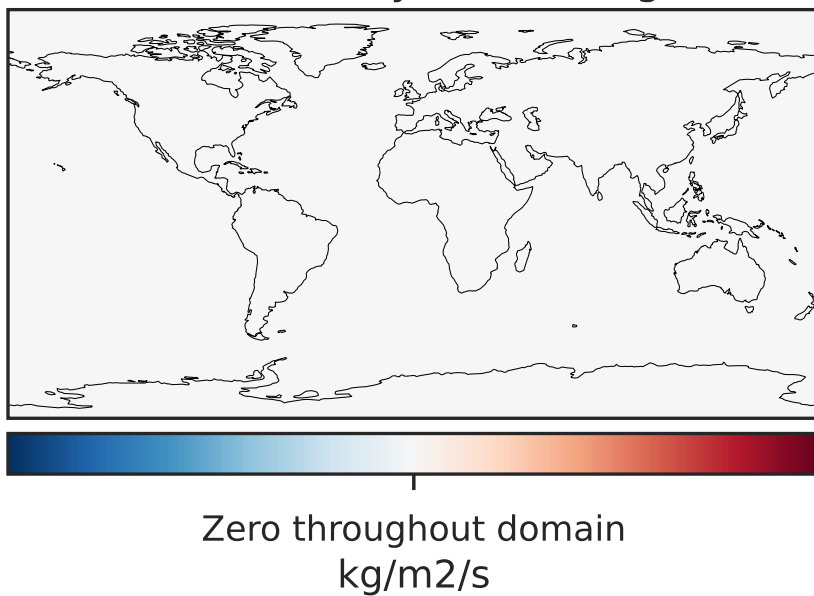
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



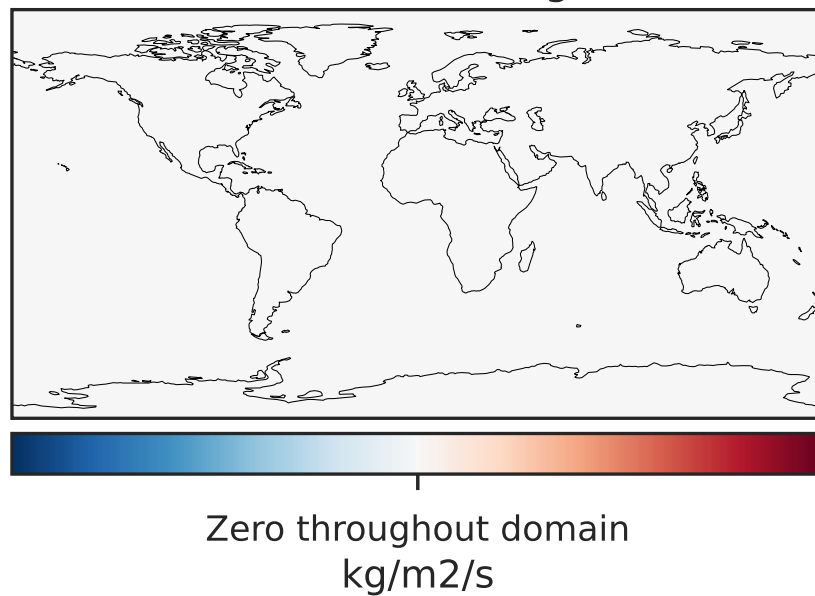
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



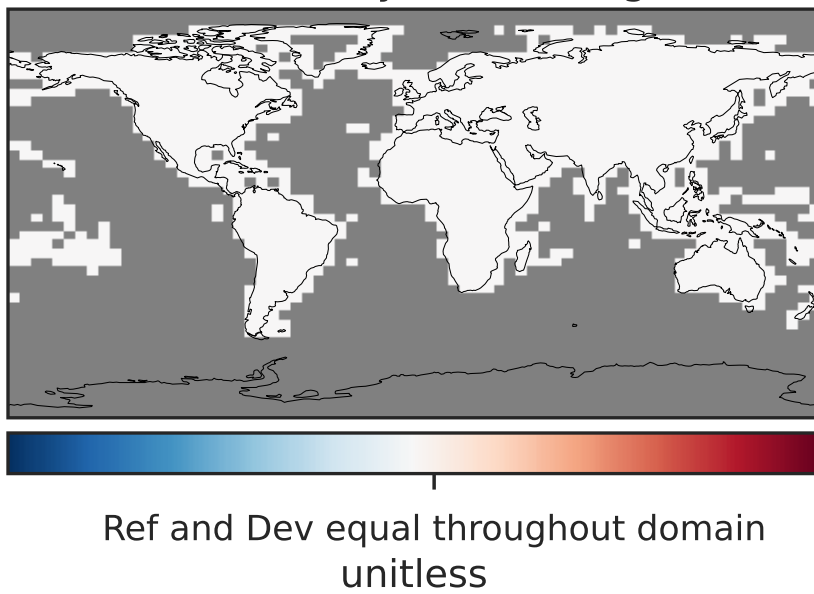
Difference  
Dev - Ref, Dynamic Range



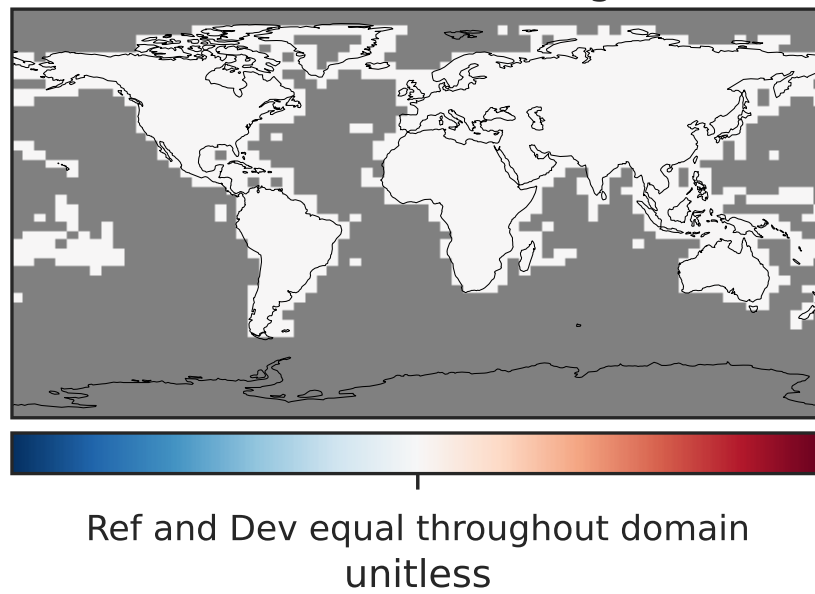
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

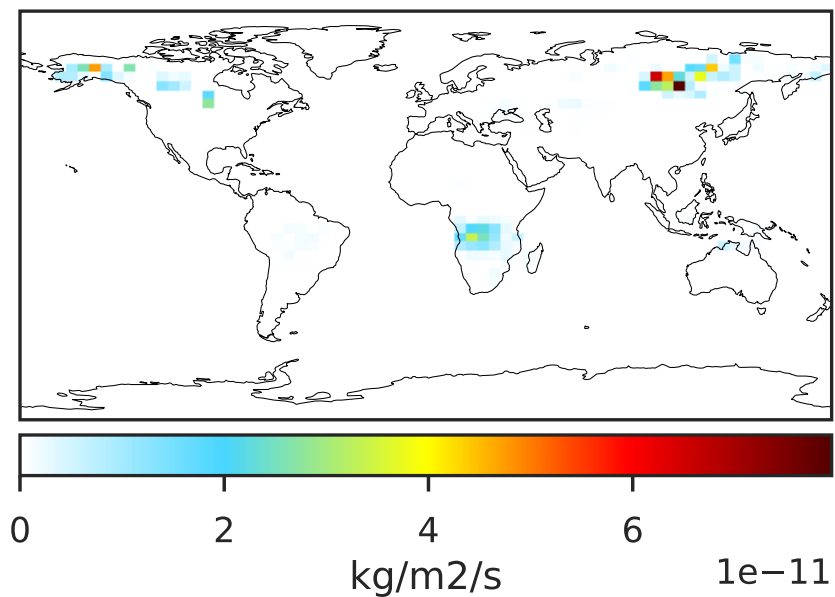


Ratio  
Dev/Ref, Fixed Range

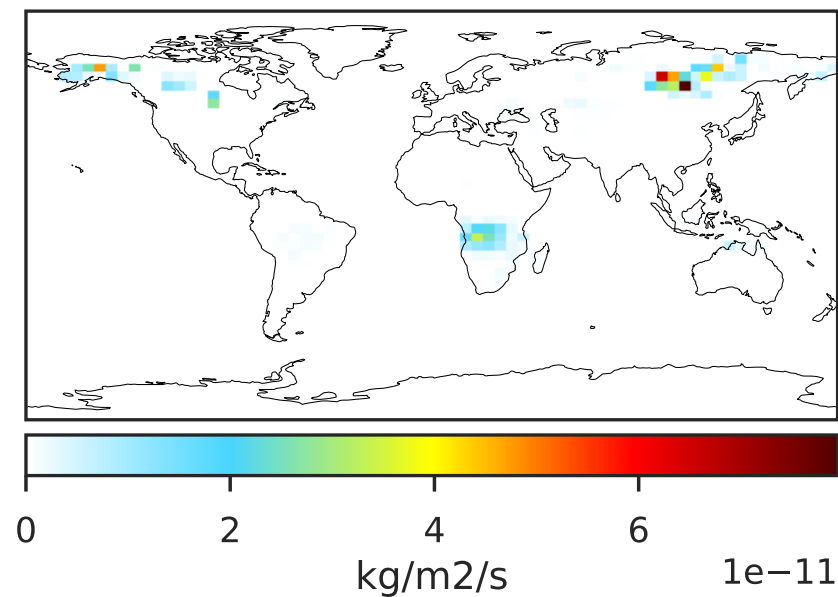


# EmisPHEN\_BioBurn

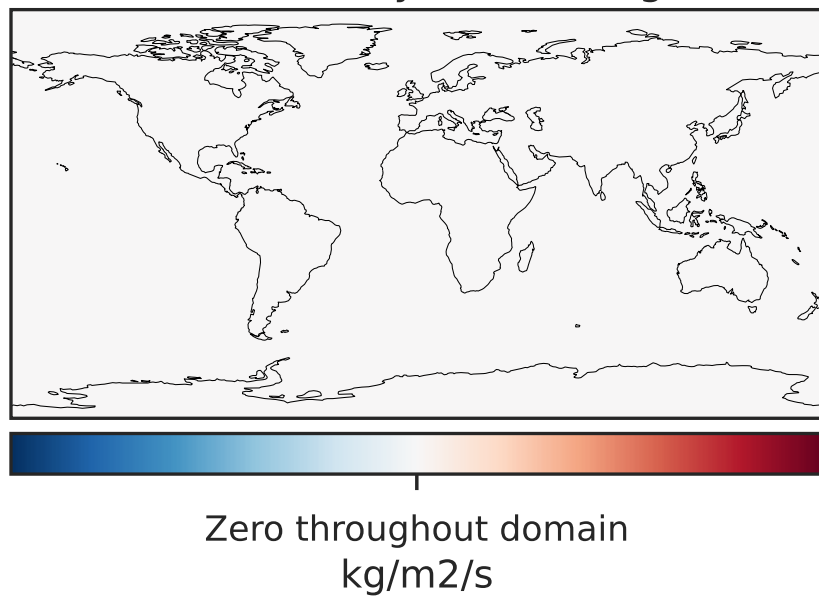
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



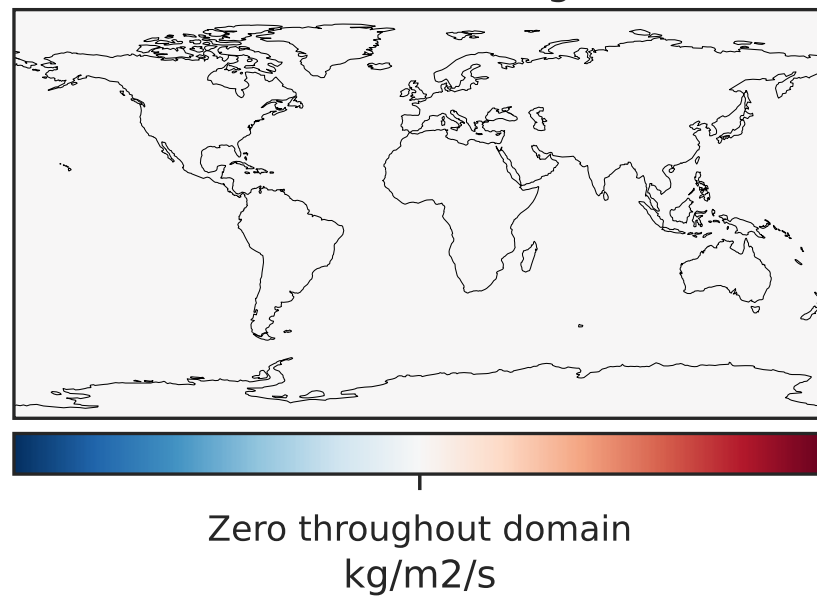
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



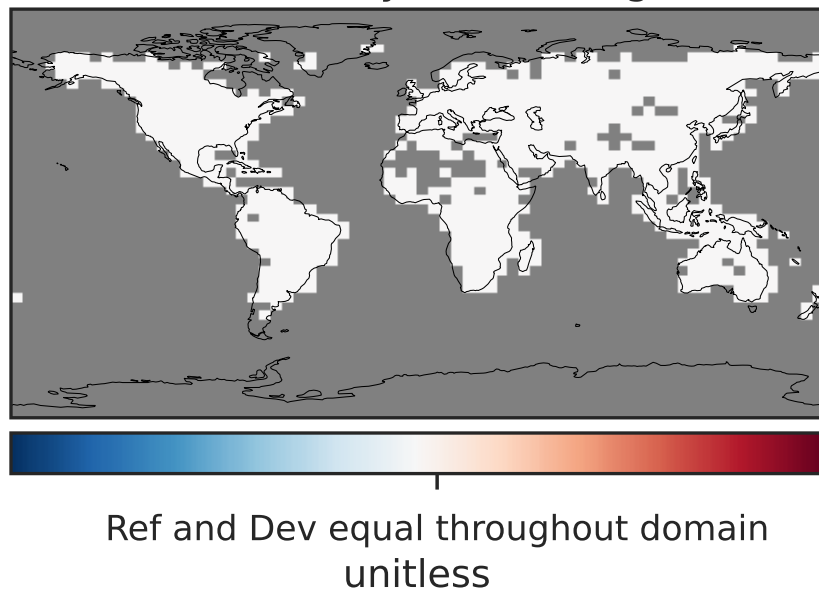
Difference  
Dev - Ref, Dynamic Range



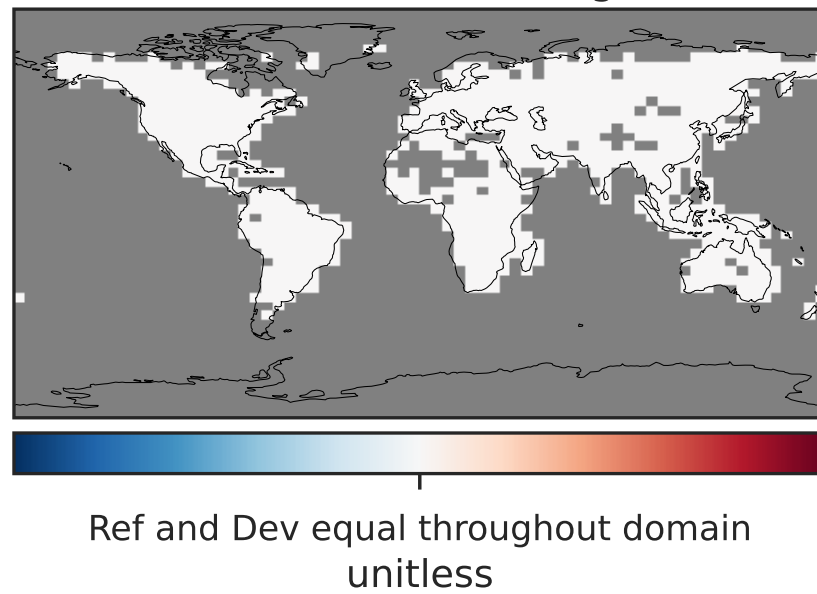
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



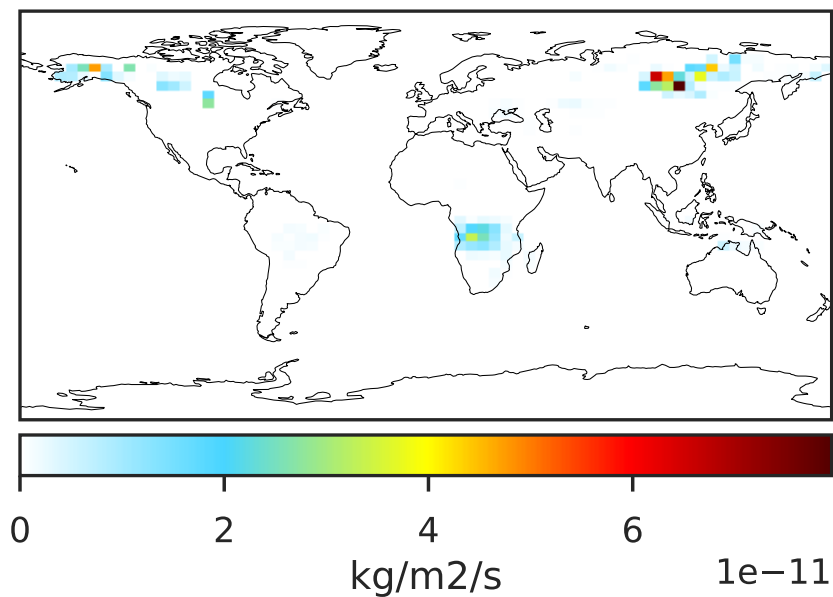
Ratio  
Dev/Ref, Fixed Range



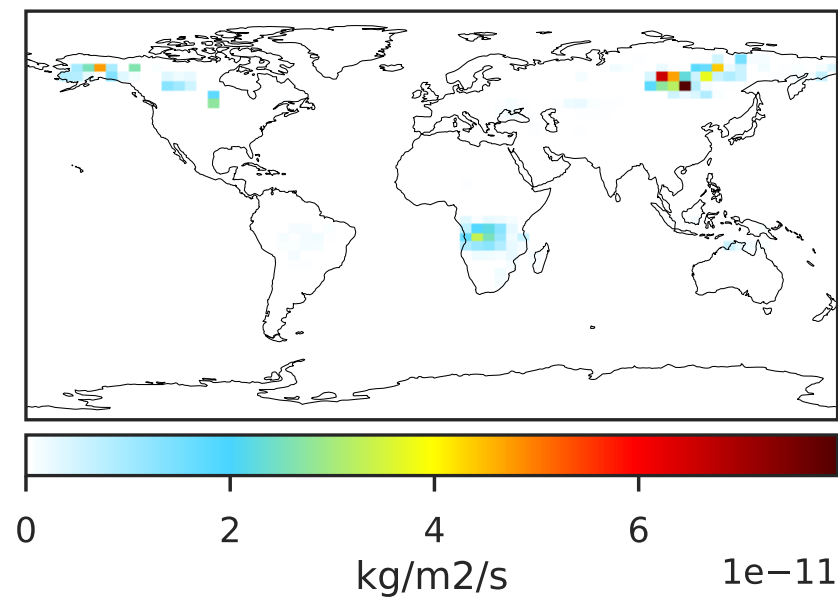


# EmisPHEN\_Total

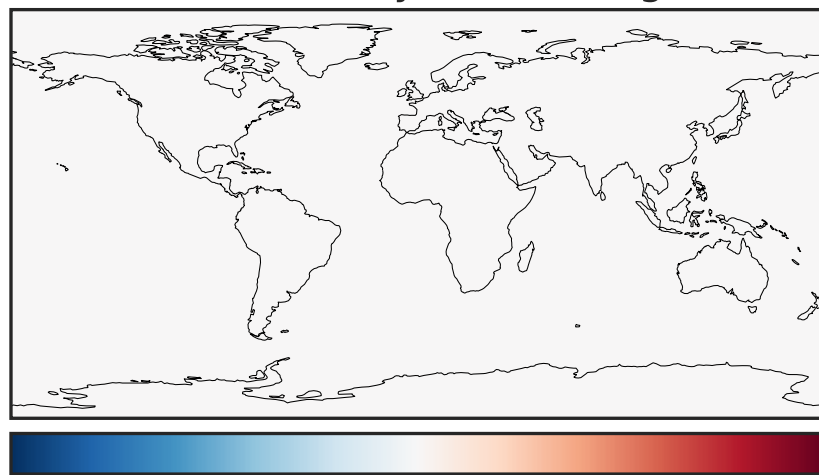
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



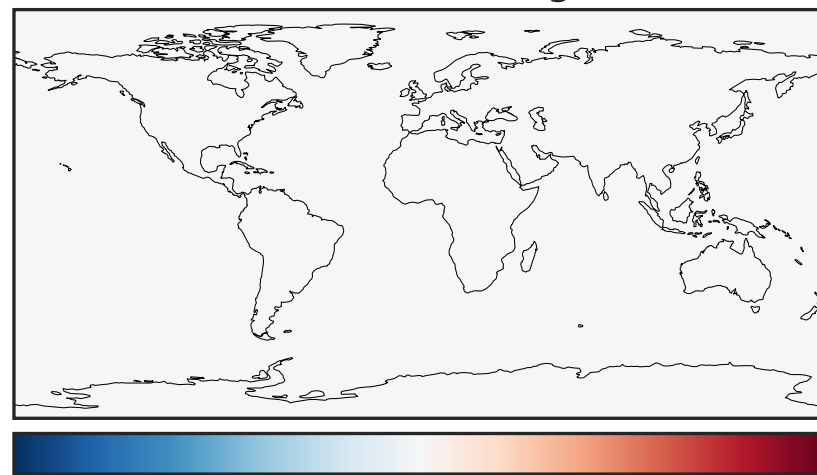
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



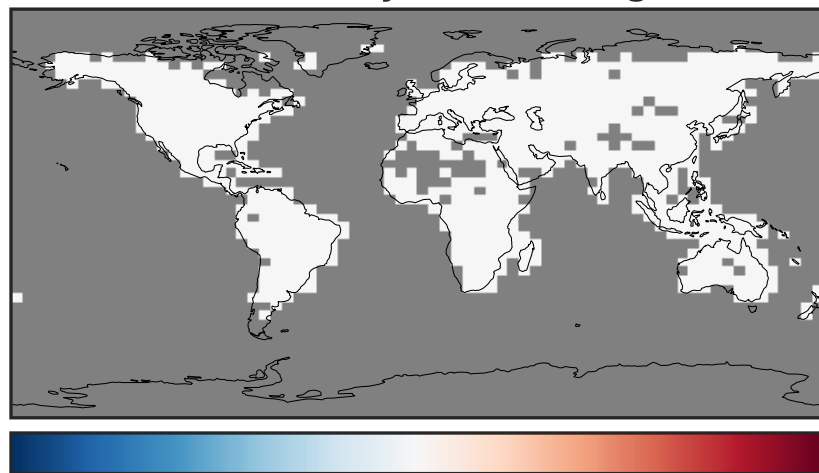
Difference  
Dev - Ref, Dynamic Range



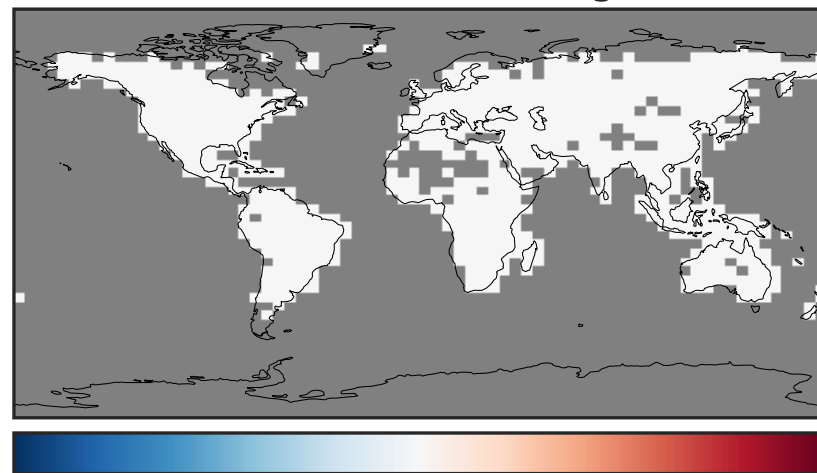
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

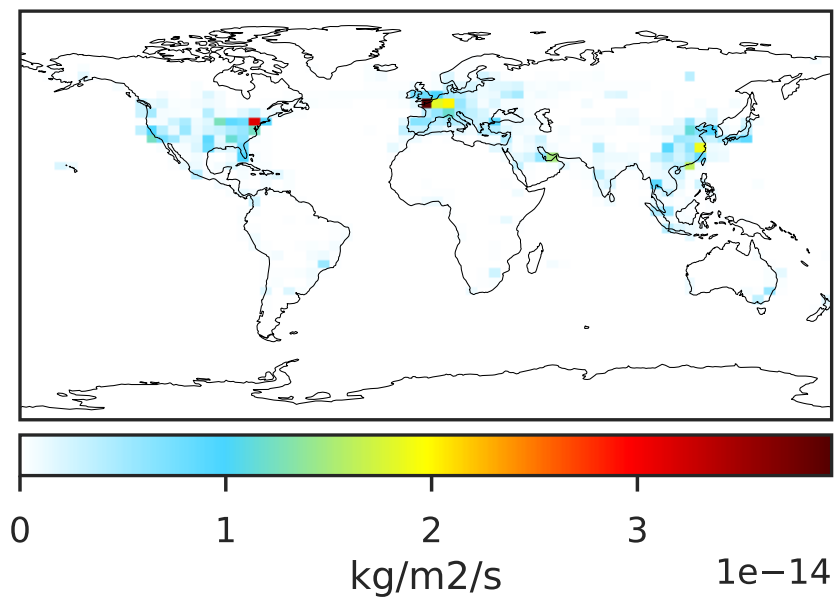


Ratio  
Dev/Ref, Fixed Range

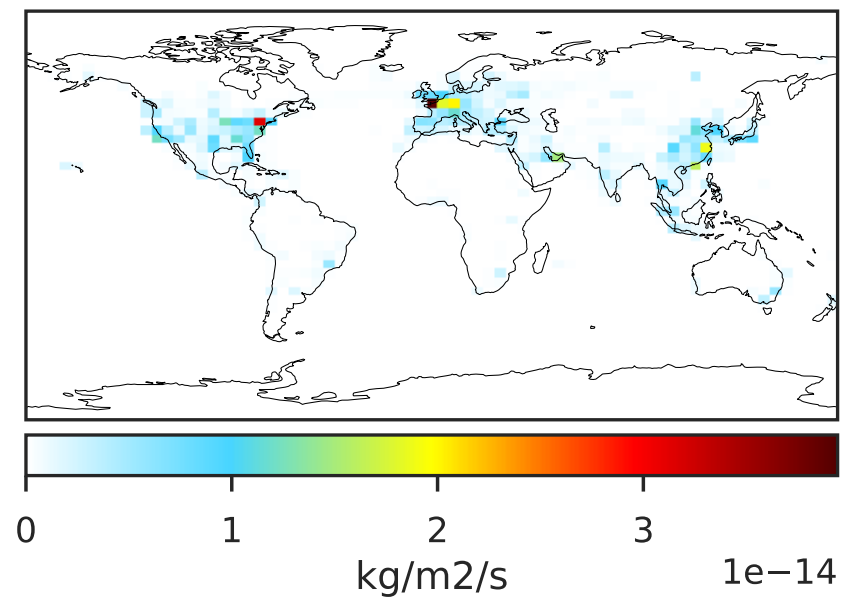


# EmisRCHO\_Aircraft

gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



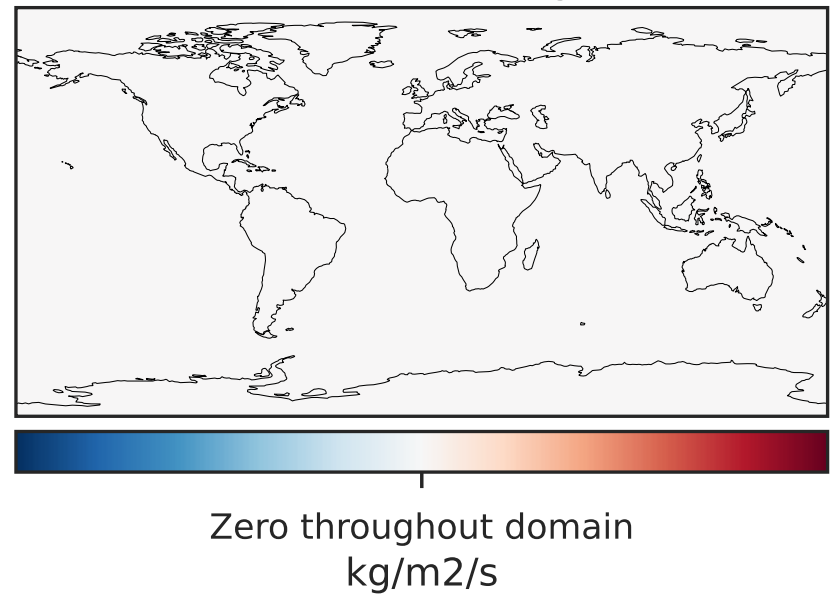
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



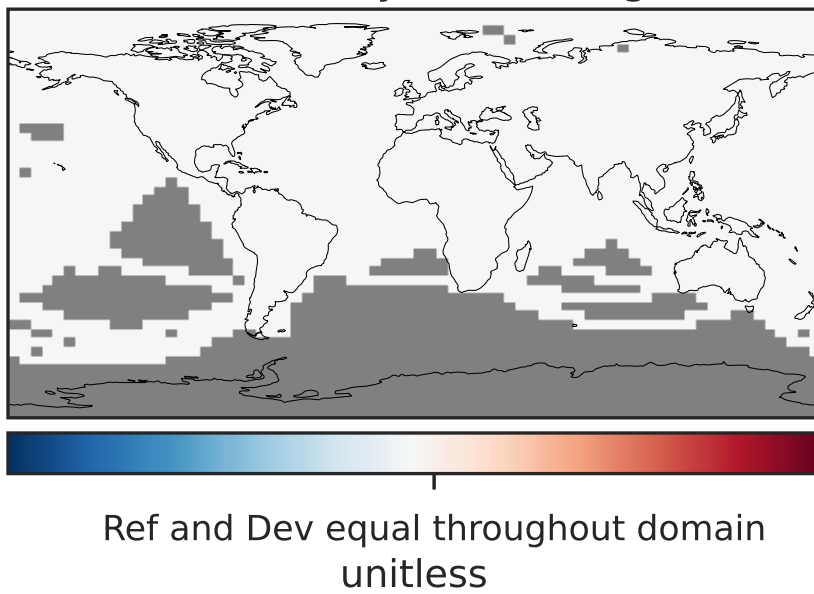
Difference  
Dev - Ref, Dynamic Range



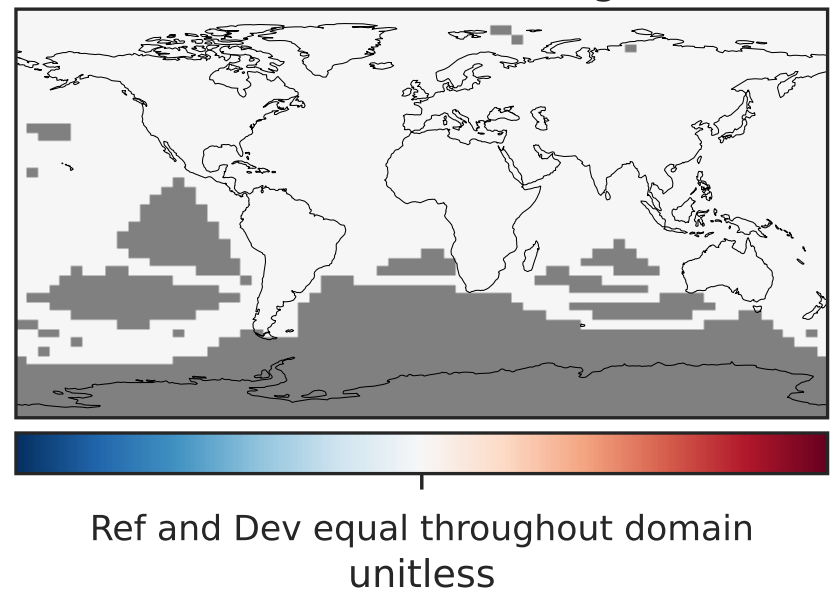
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

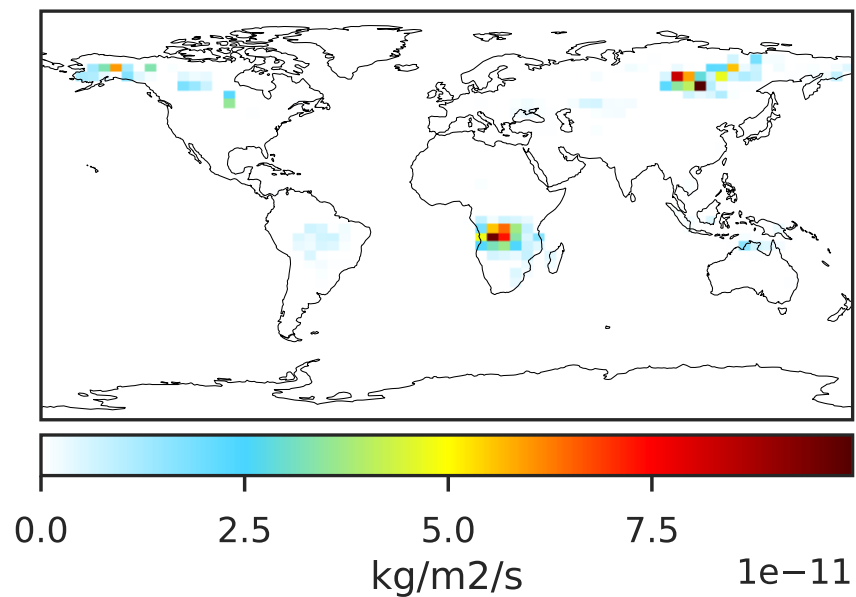


Ratio  
Dev/Ref, Fixed Range

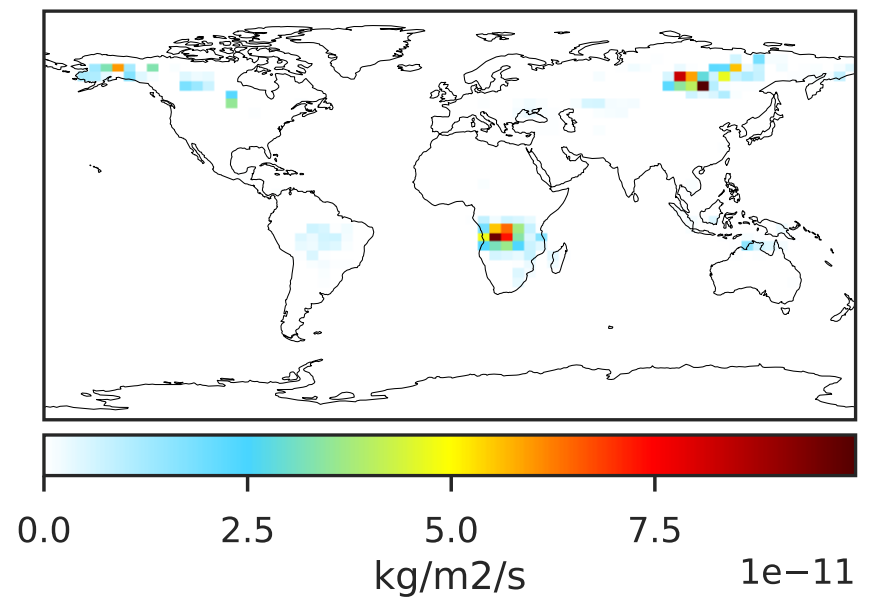


# EmisRCHO\_BioBurn

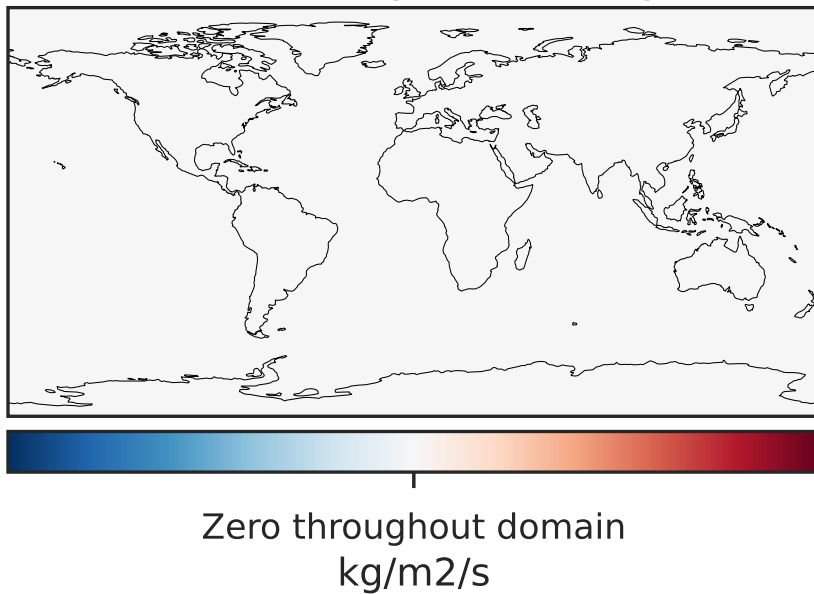
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



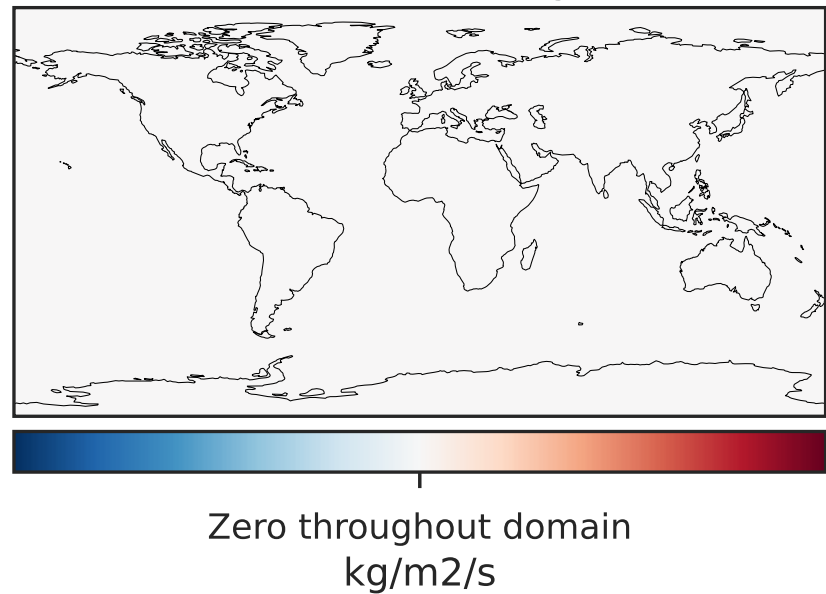
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



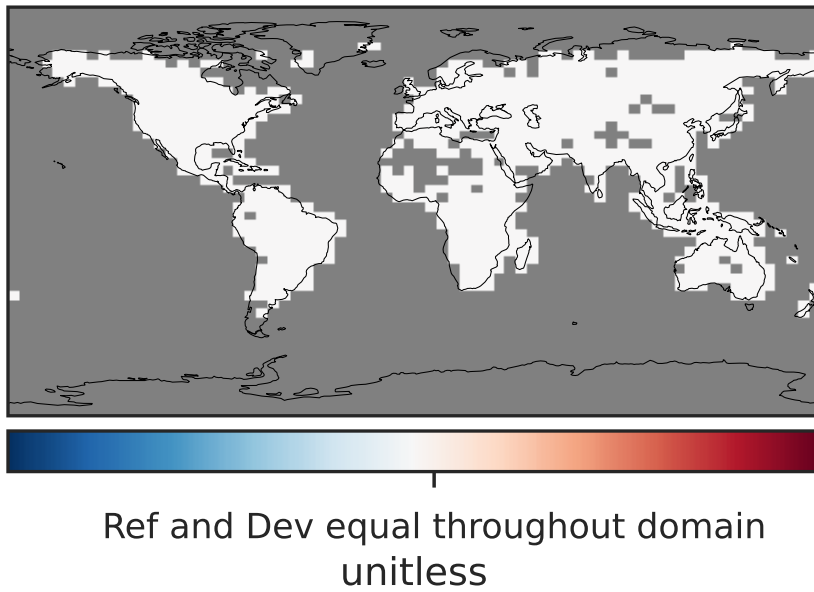
Difference  
Dev - Ref, Dynamic Range



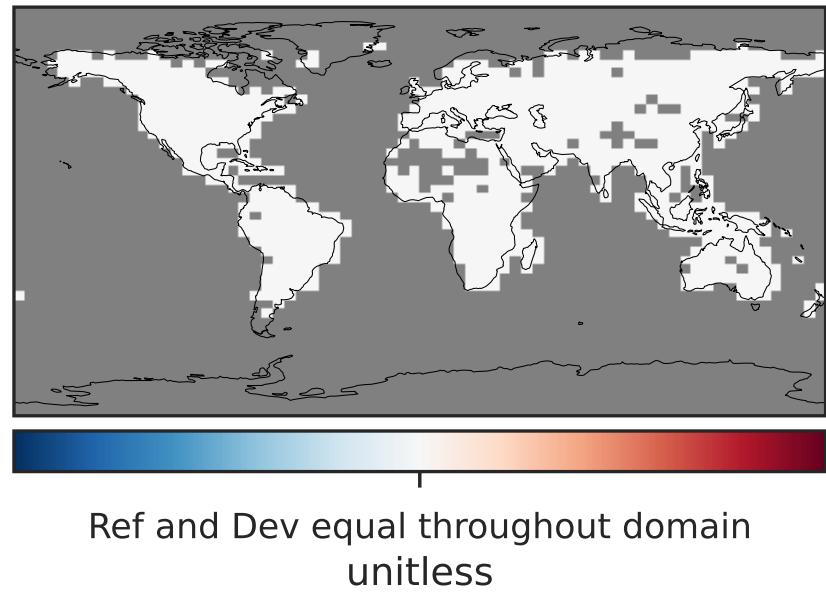
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

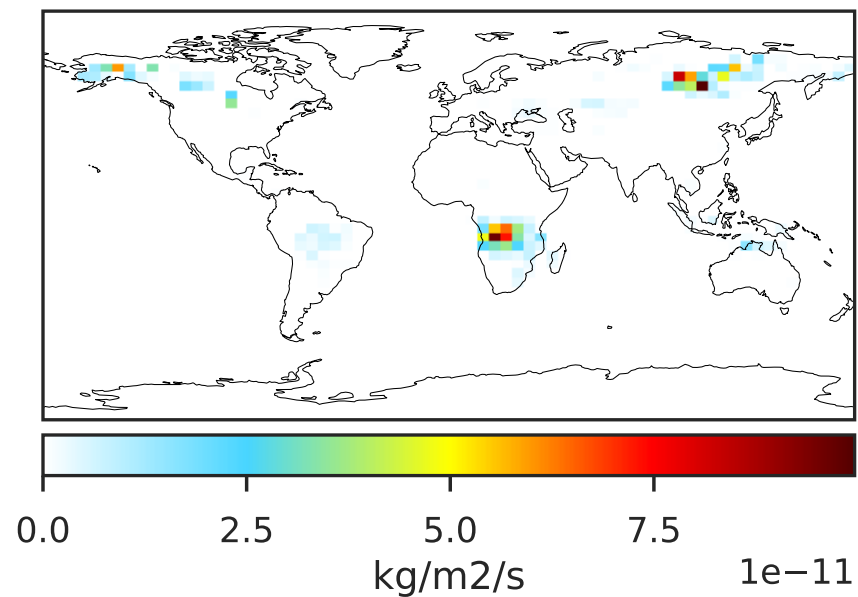


Ratio  
Dev/Ref, Fixed Range

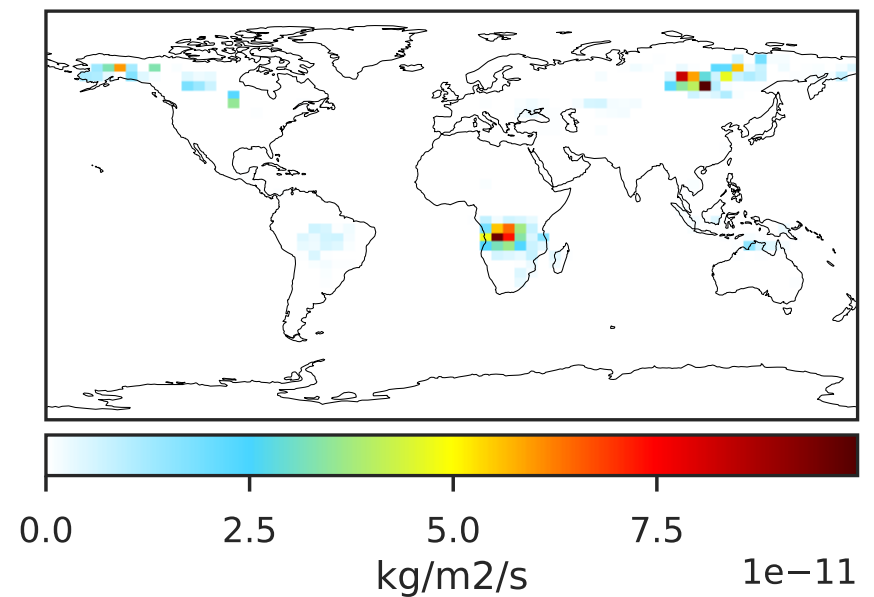


# EmisRCHO\_Total

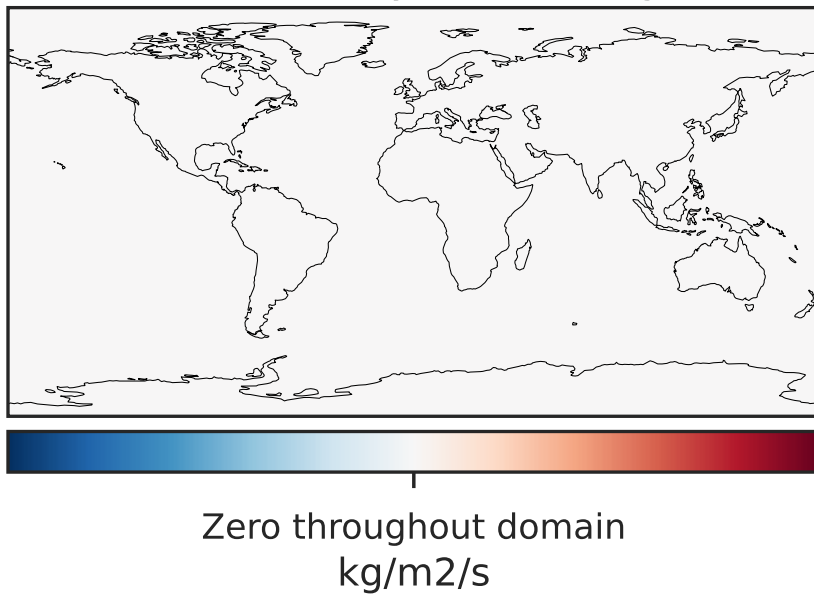
gcc-4x5-1Mon-14.2.2 (Ref)  
4.0x5.0



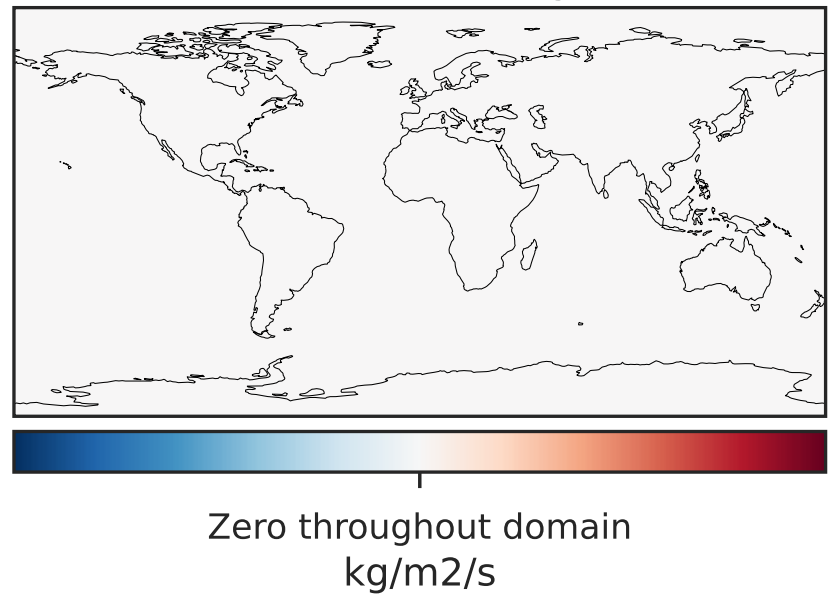
gcc-4x5-1Mon-14.2.3 (Dev)  
4.0x5.0



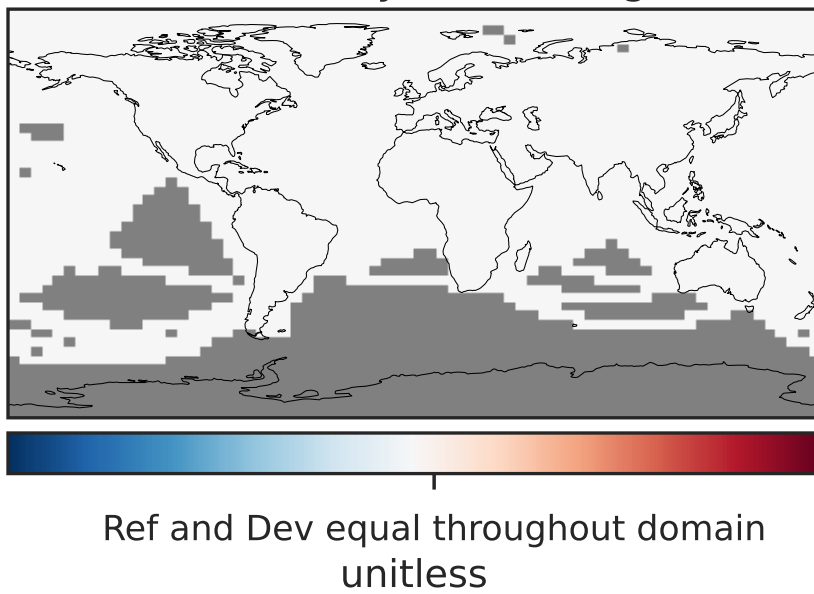
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

