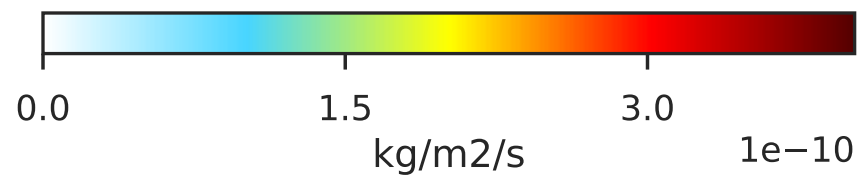
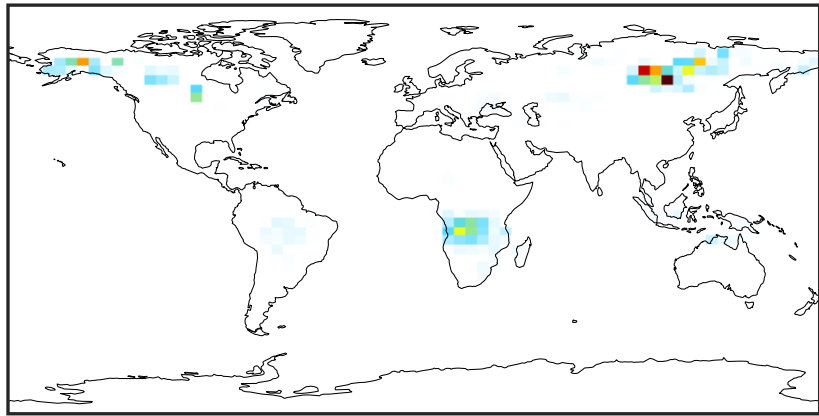
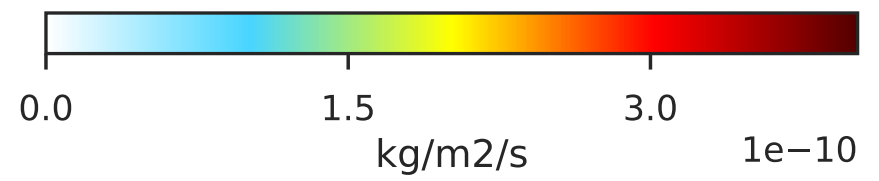
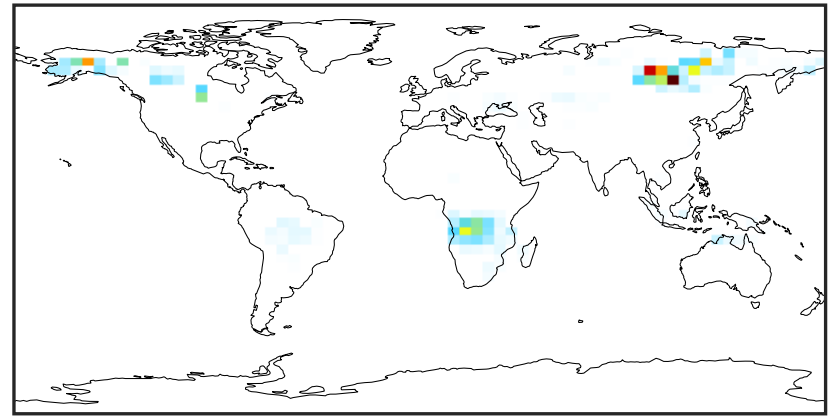


# EmisACTA\_BioBurn (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

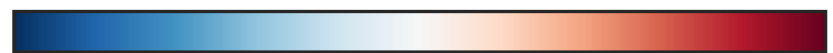


Difference  
Dev - Ref, Dynamic Range



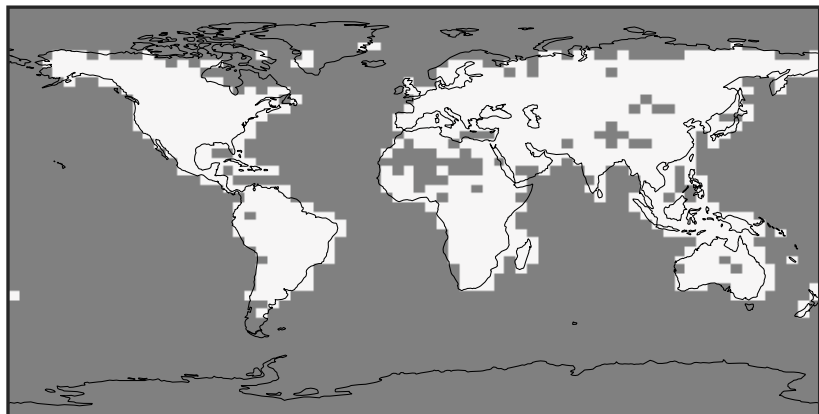
Zero throughout domain  
kg/m2/s

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



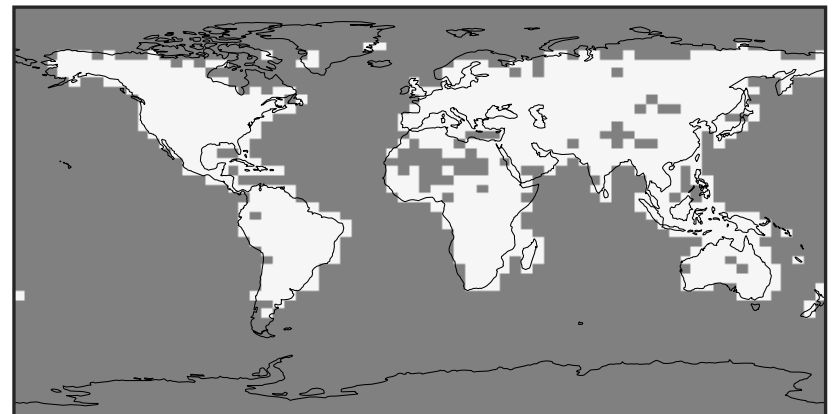
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

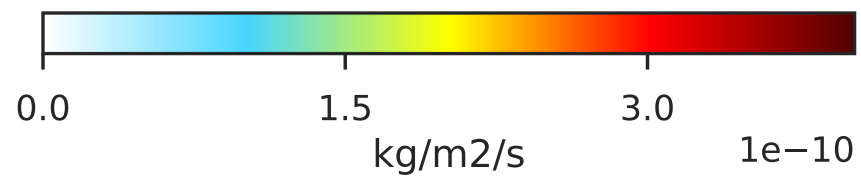
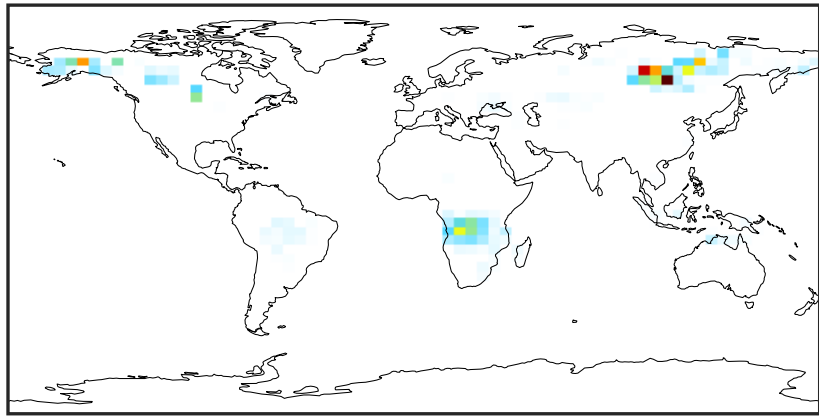
Ratio  
Dev/Ref, Fixed Range



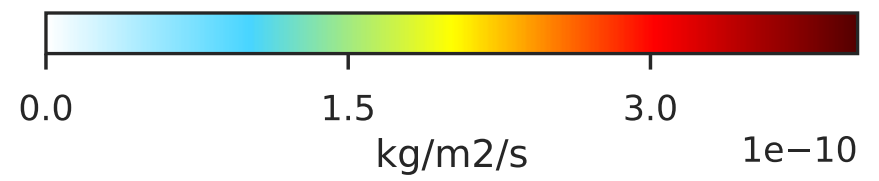
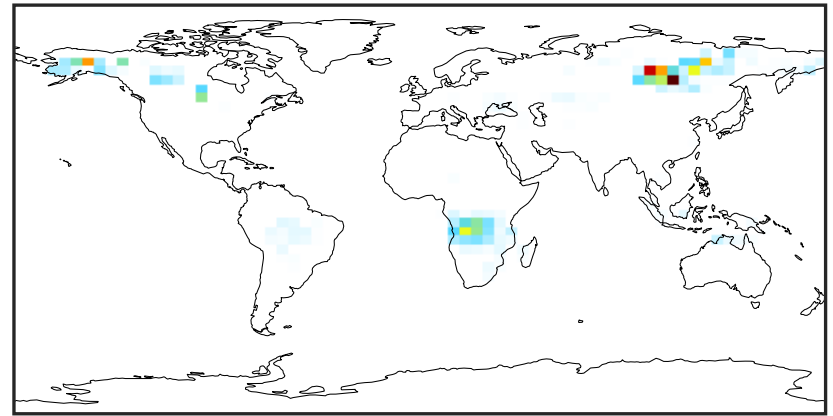
Ref and Dev equal throughout domain  
unitless

# EmisACTA\_Total (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



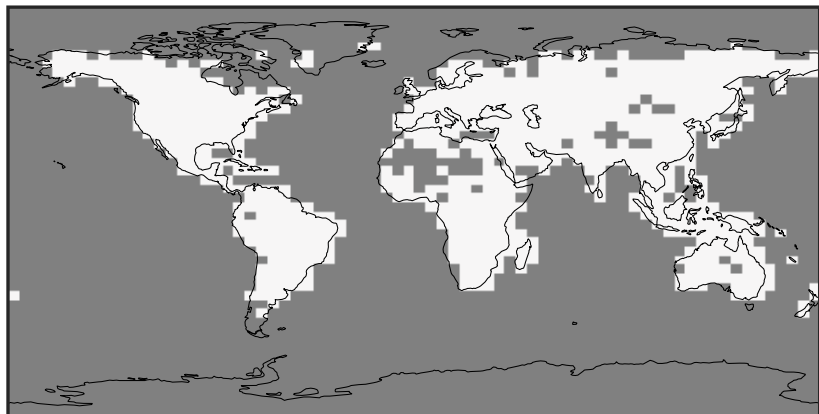
Zero throughout domain  
kg/m2/s

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



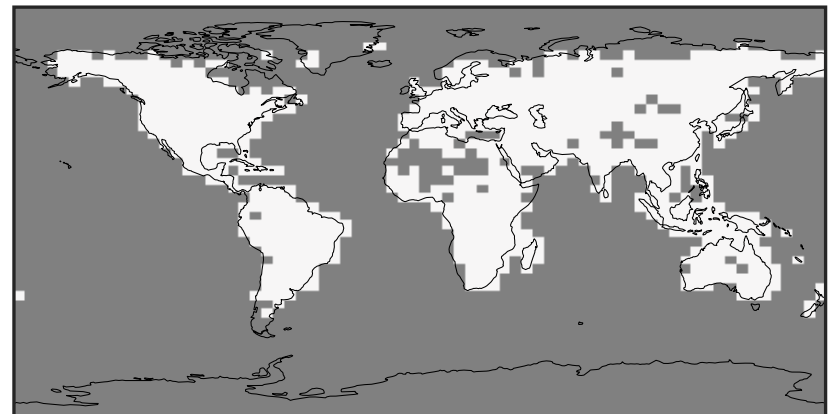
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

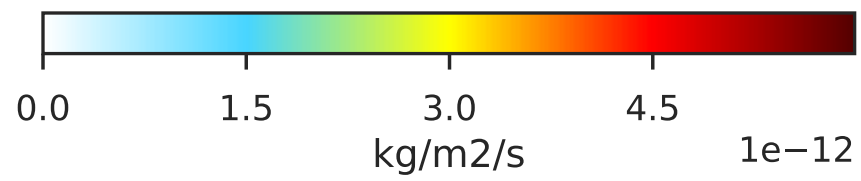
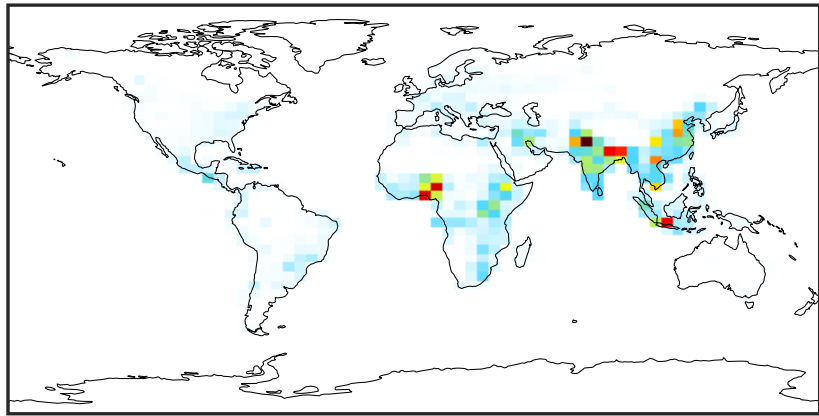
Ratio  
Dev/Ref, Fixed Range



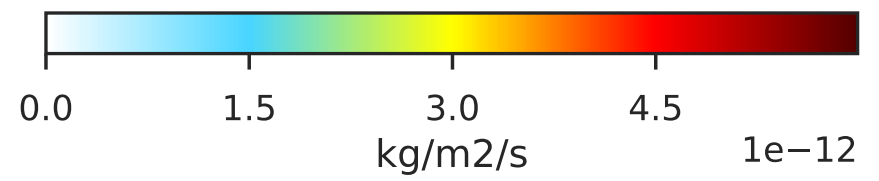
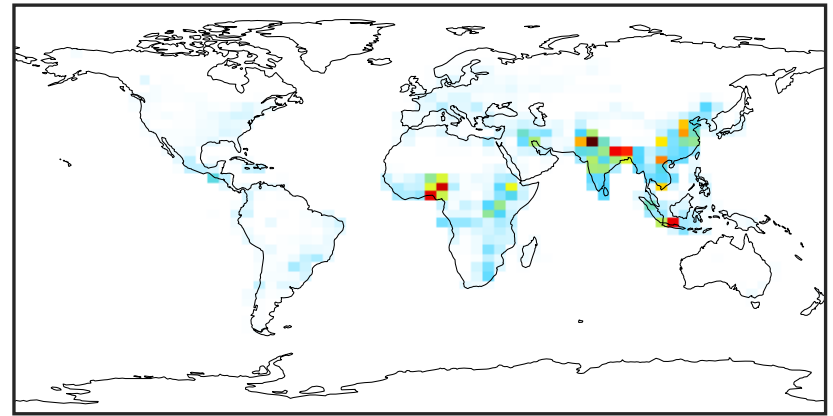
Ref and Dev equal throughout domain  
unitless

# EmisALD2\_Anthro (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



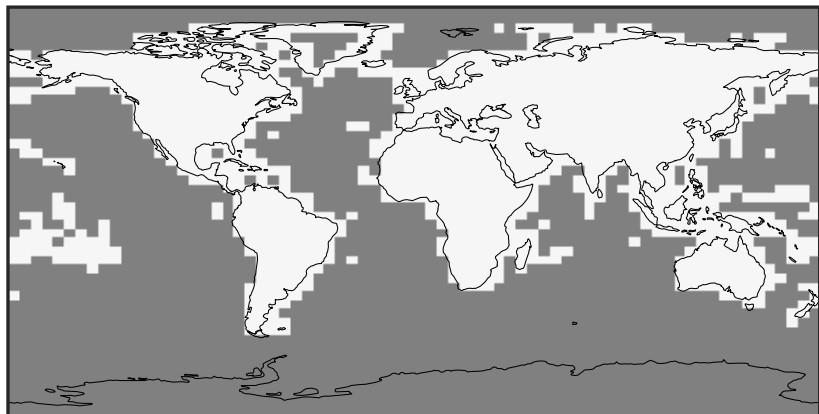
Zero throughout domain  
kg/m2/s

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



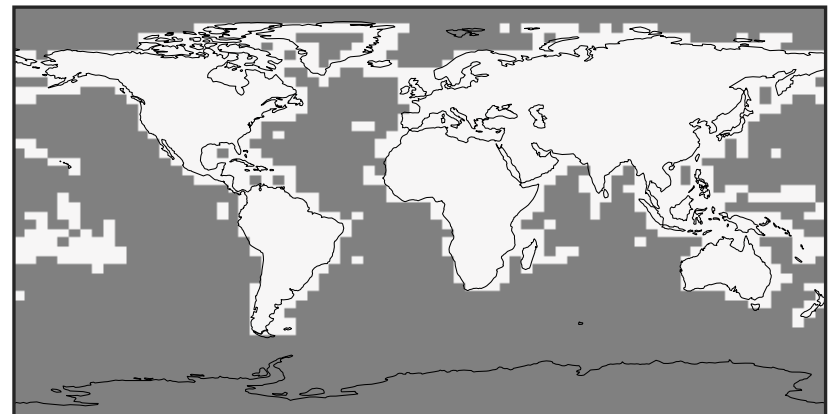
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

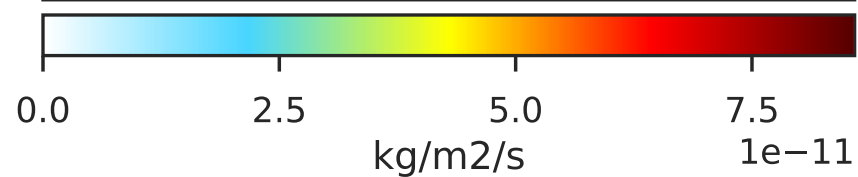
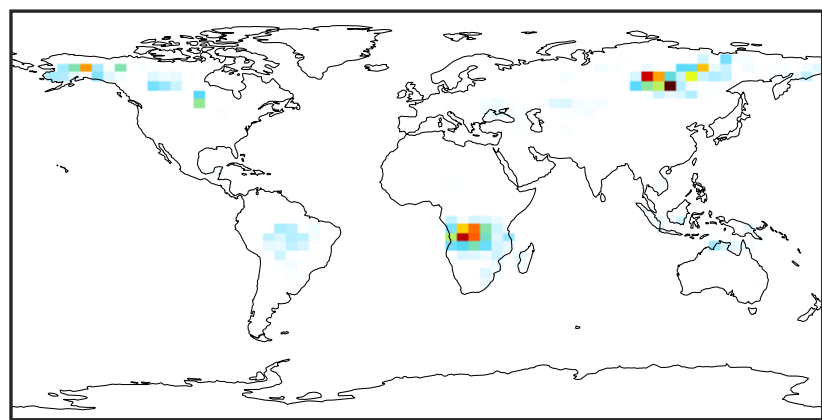
Ratio  
Dev/Ref, Fixed Range



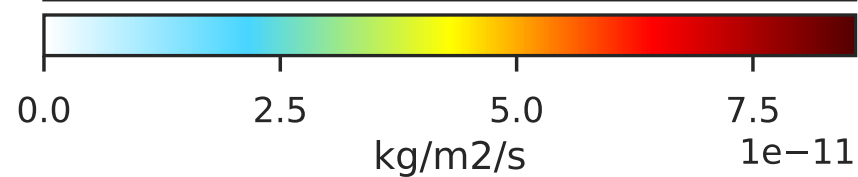
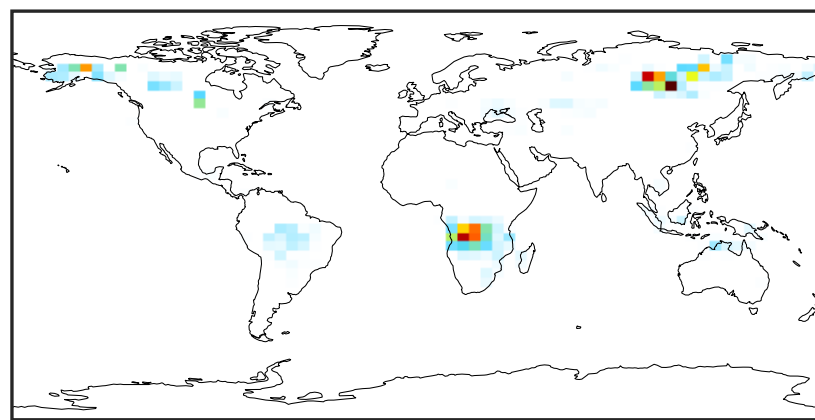
Ref and Dev equal throughout domain  
unitless

# EmisALD2\_BioBurn (Jul2019)

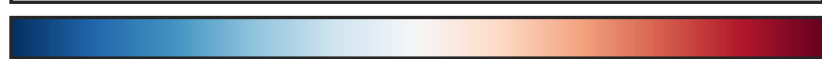
14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

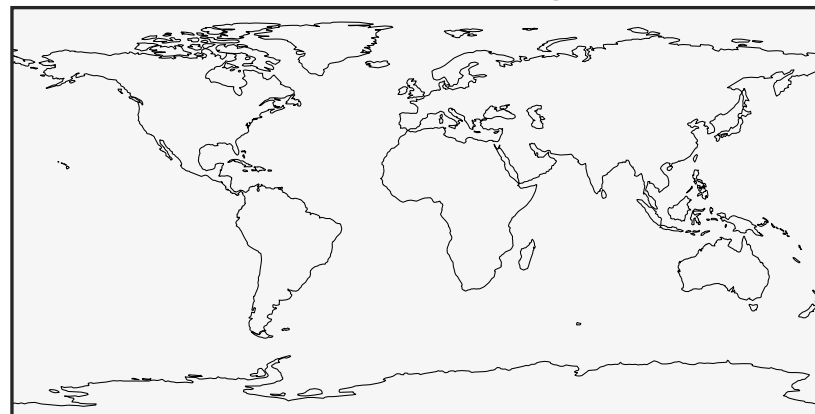


Difference  
Dev - Ref, Dynamic Range



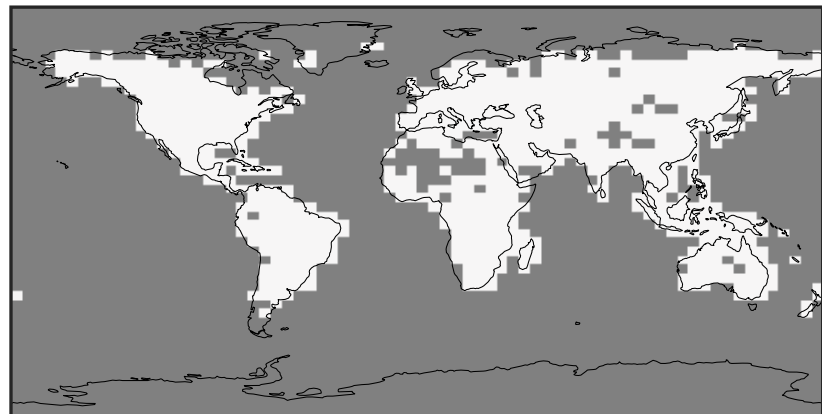
Zero throughout domain  
kg/m2/s

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



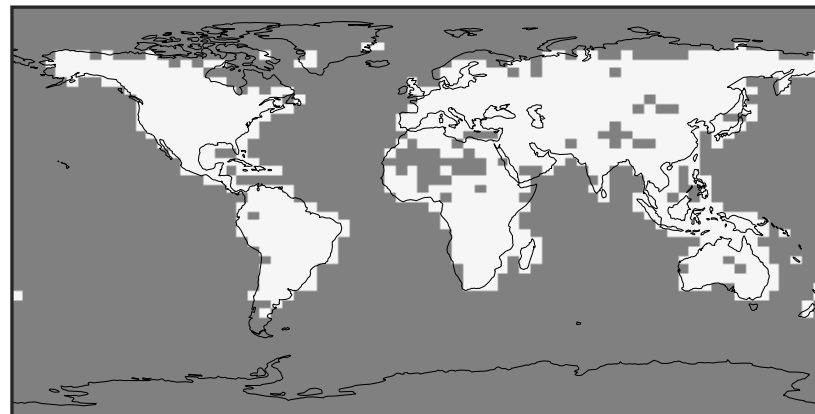
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

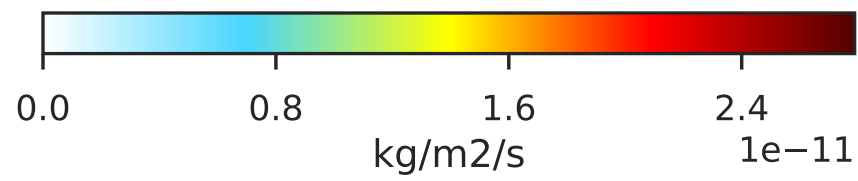
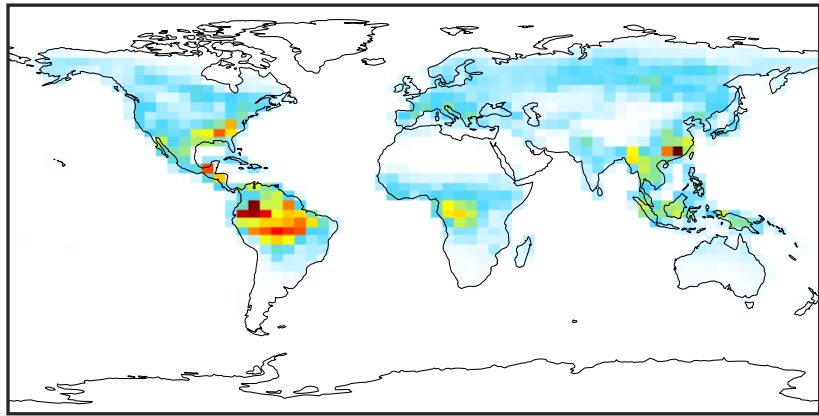
Ratio  
Dev/Ref, Fixed Range



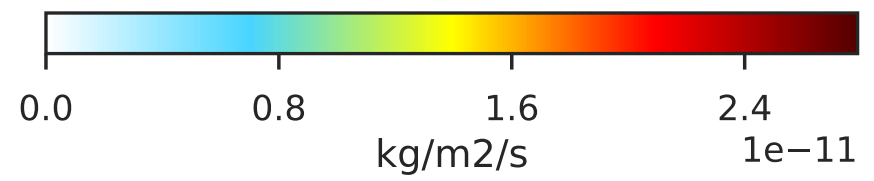
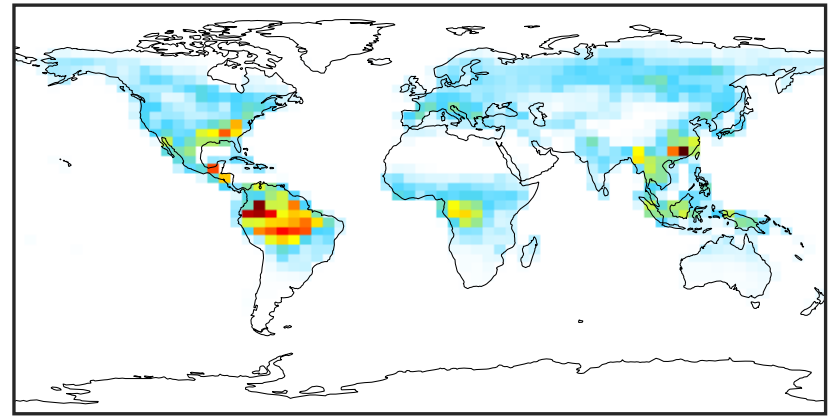
Ref and Dev equal throughout domain  
unitless

# EmisALD2\_Biogenic (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

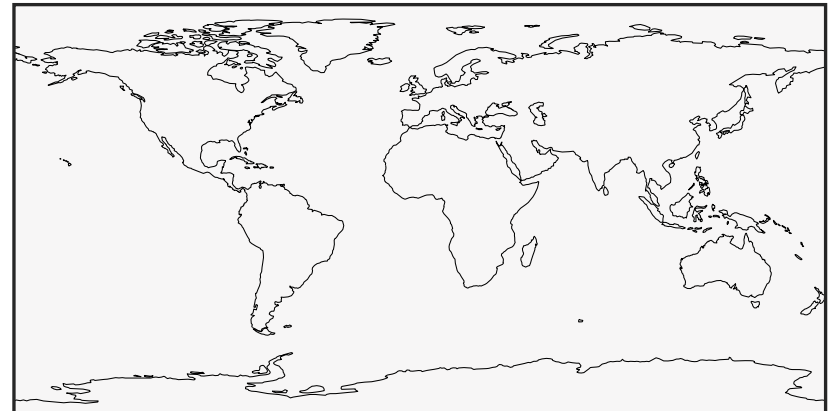


Difference  
Dev - Ref, Dynamic Range



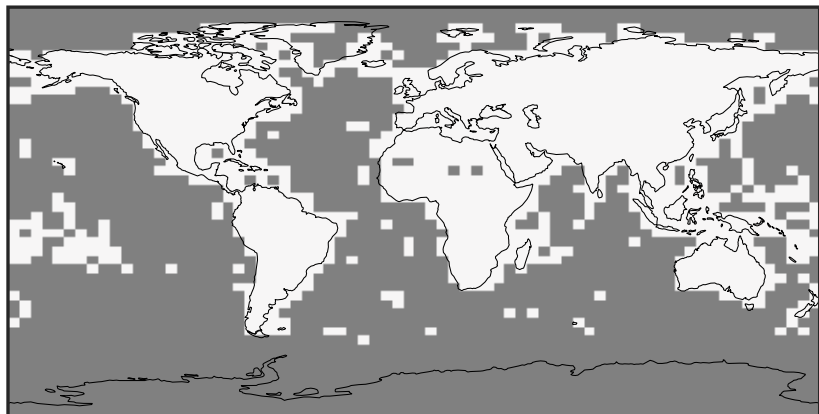
Zero throughout domain  
kg/m2/s

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



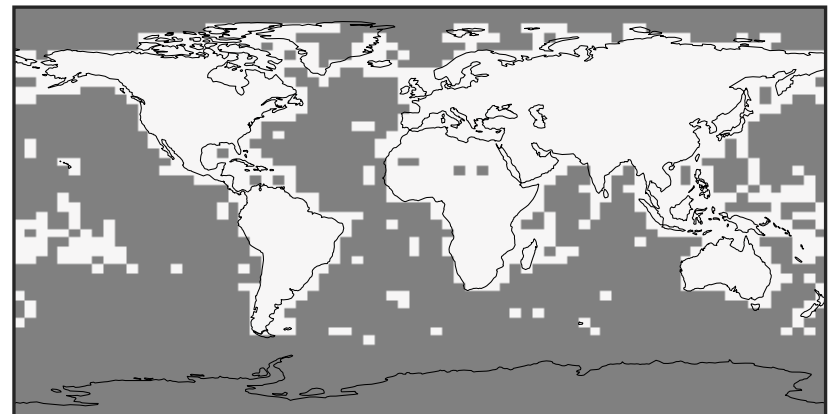
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

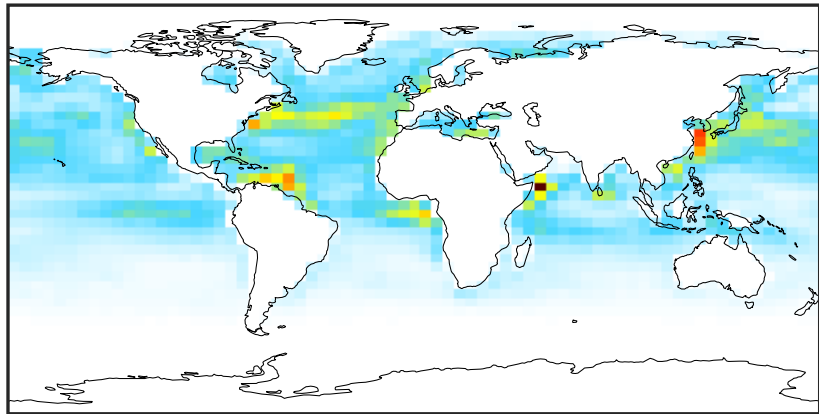
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

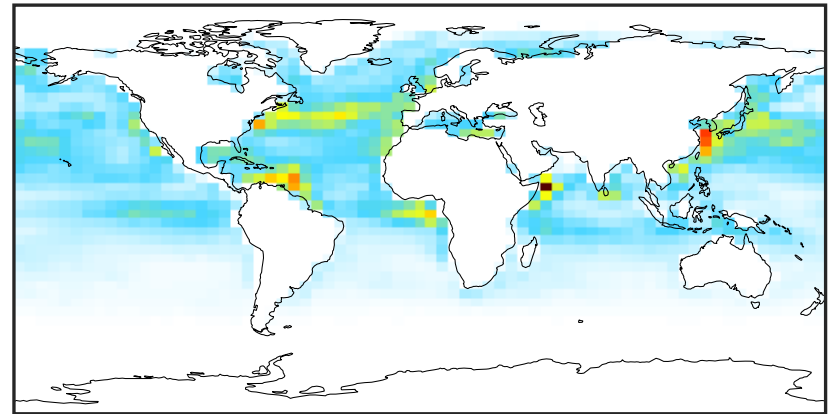
# EmisALD2\_Ocean (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



0.0 1.5 3.0  $1e-11$   
kg/m<sup>2</sup>/s

14.3.0-rc.0 (Dev)  
4.0x5.0



0.0 1.5 3.0  $1e-11$   
kg/m<sup>2</sup>/s

Difference  
Dev - Ref, Dynamic Range



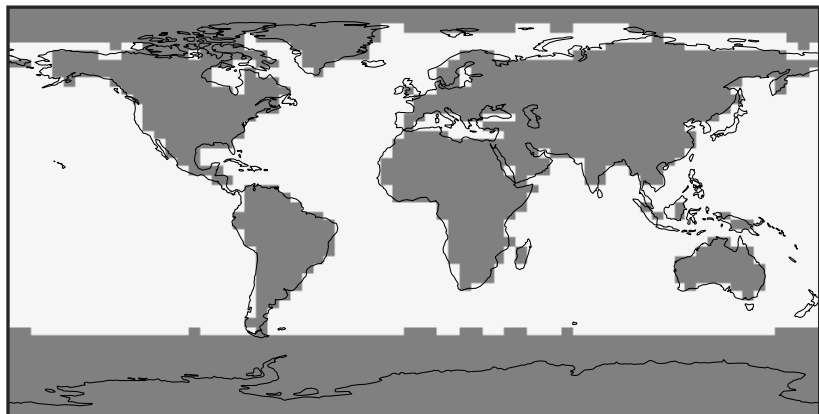
Zero throughout domain  
kg/m<sup>2</sup>/s

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



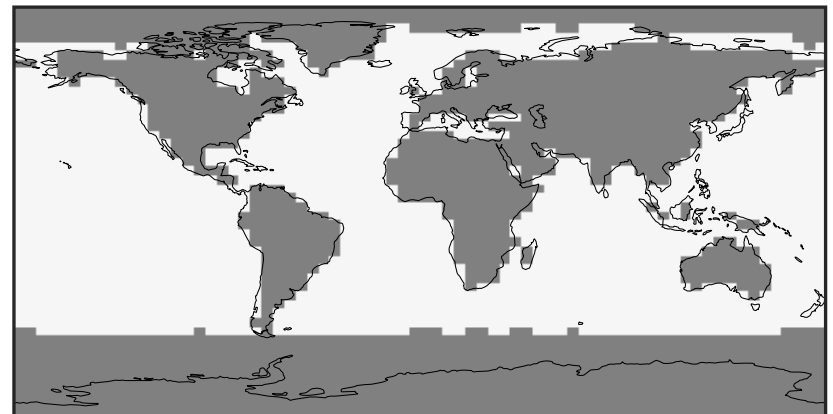
Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

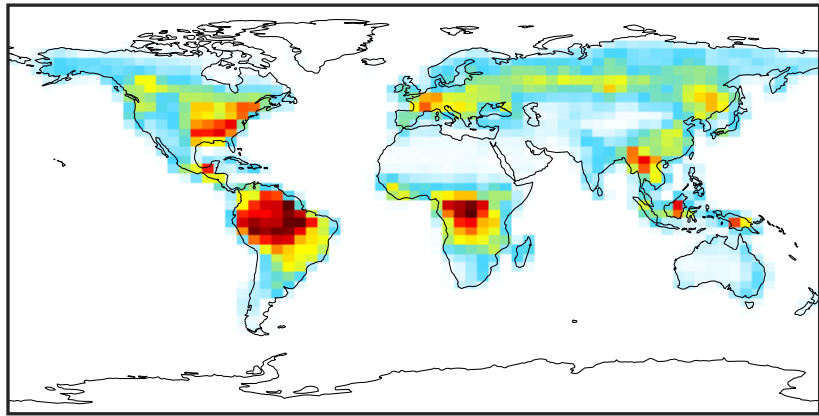
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

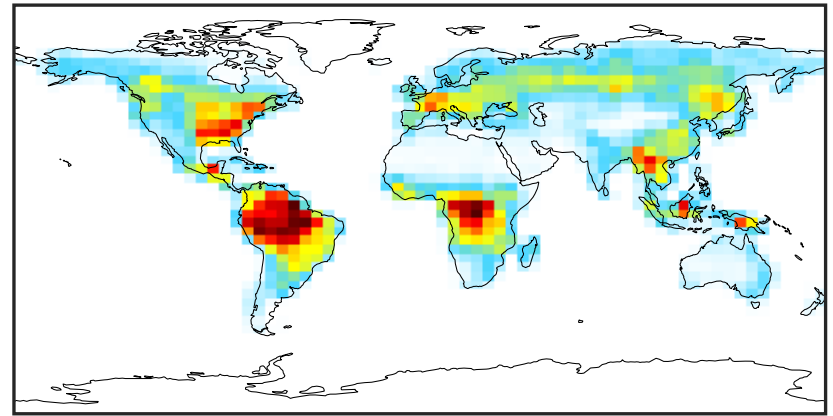
# EmisALD2\_PlantDecay (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



0.0 1.5 3.0 4.5  
kg/m<sup>2</sup>/s 1e-12

14.3.0-rc.0 (Dev)  
4.0x5.0



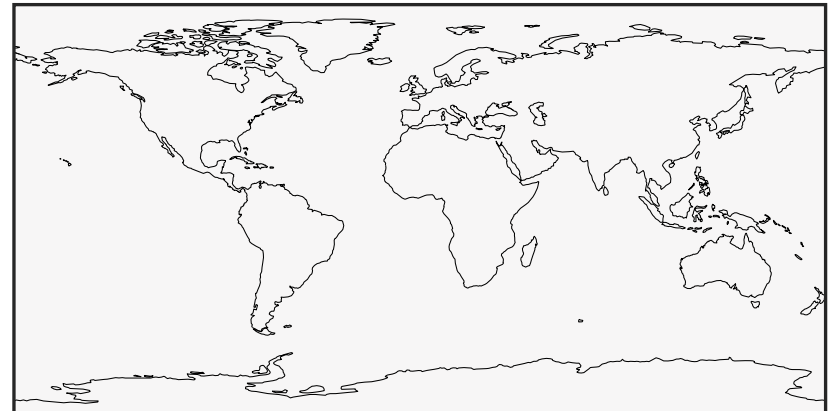
0.0 1.5 3.0 4.5  
kg/m<sup>2</sup>/s 1e-12

Difference  
Dev - Ref, Dynamic Range



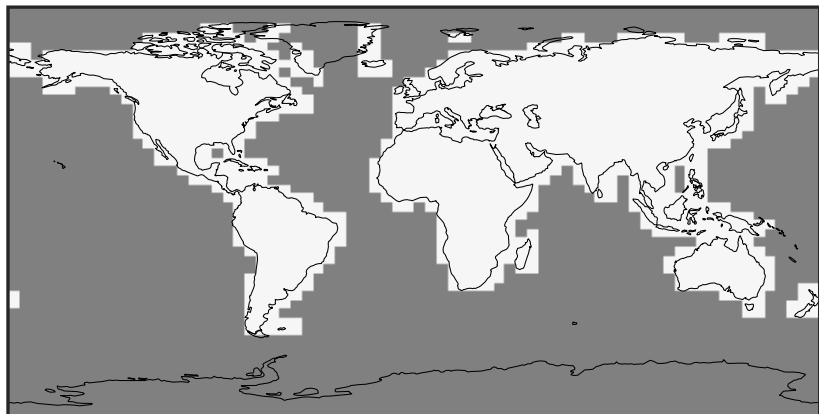
Zero throughout domain  
kg/m<sup>2</sup>/s

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



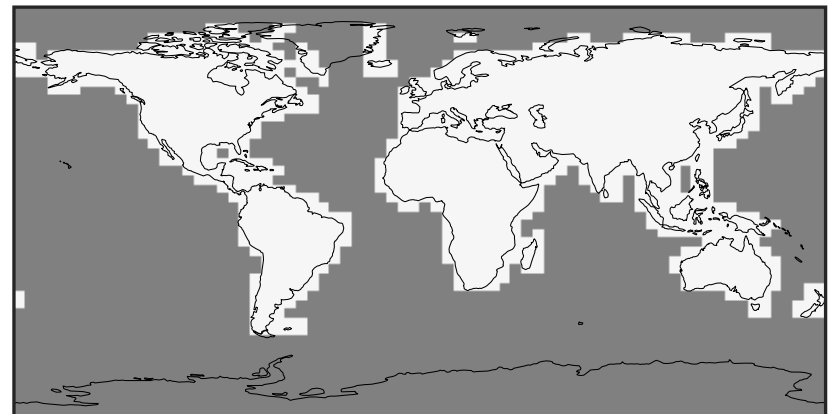
Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

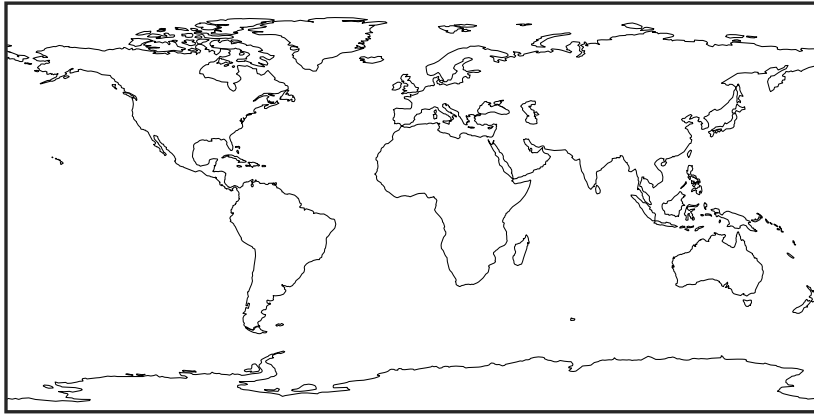
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

# EmisALD2\_Ship (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



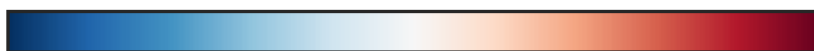
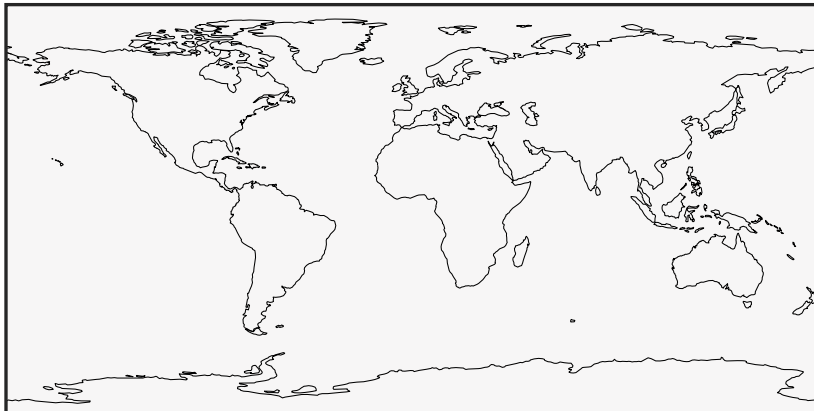
Zero throughput domain  
kg/m<sup>2</sup>/s

14.3.0-rc.0 (Dev)  
4.0x5.0



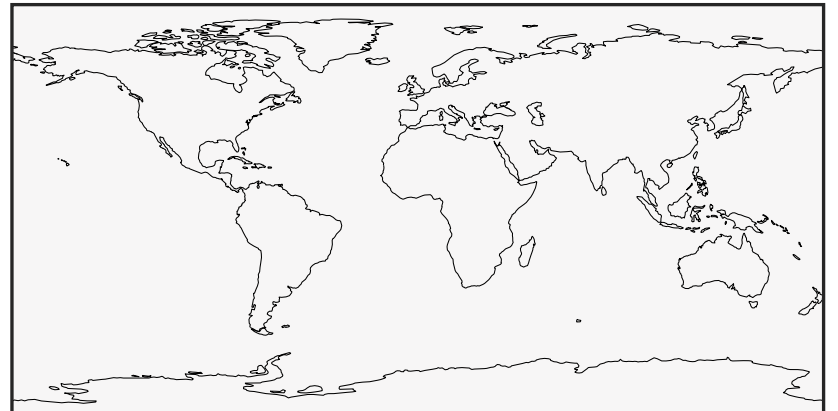
Zero throughput domain  
kg/m<sup>2</sup>/s

Difference  
Dev - Ref, Dynamic Range



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

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



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

Ratio  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

Ratio  
Dev/Ref, Fixed Range

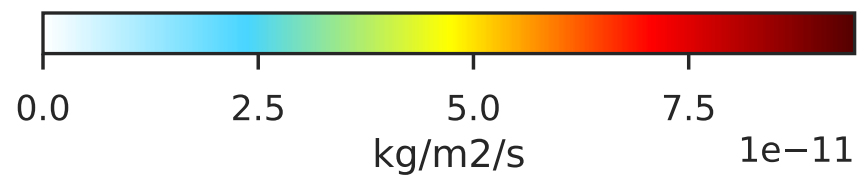
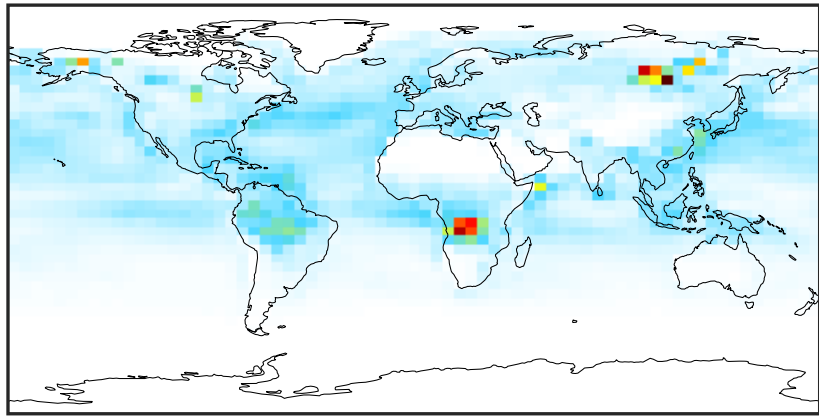


Undefined throughput domain  
unitless

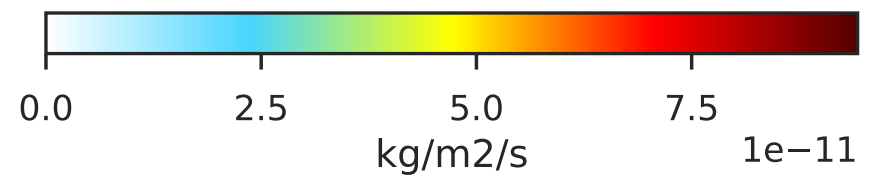
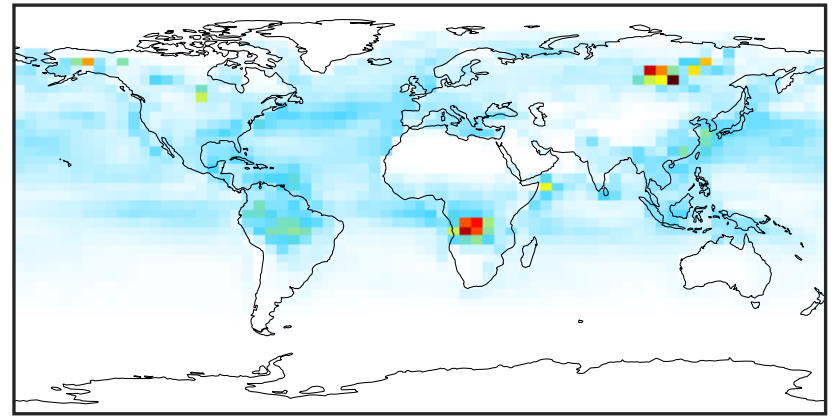


# EmisALD2\_Total (Jul2019)

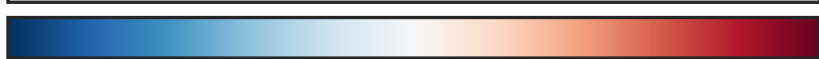
14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

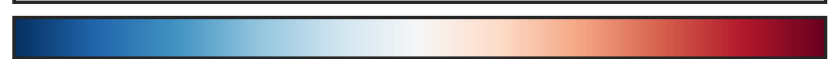


Difference  
Dev - Ref, Dynamic Range



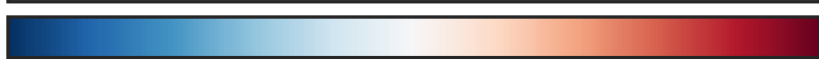
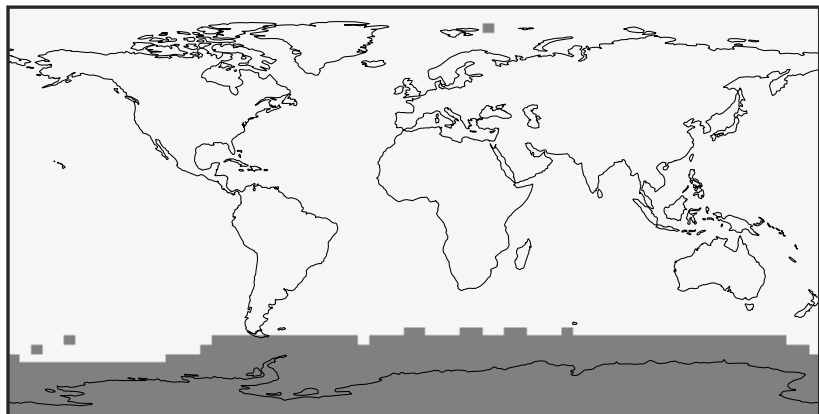
Zero throughout domain  
kg/m2/s

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



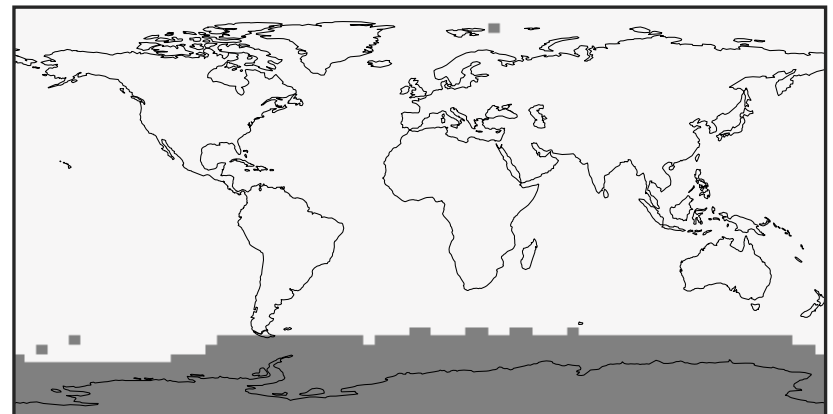
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

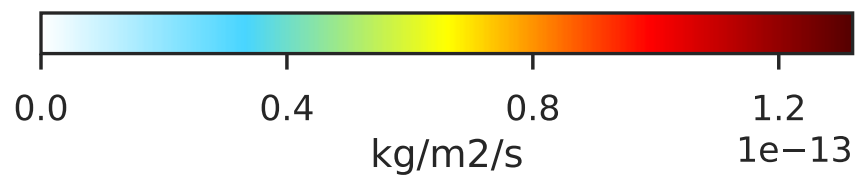
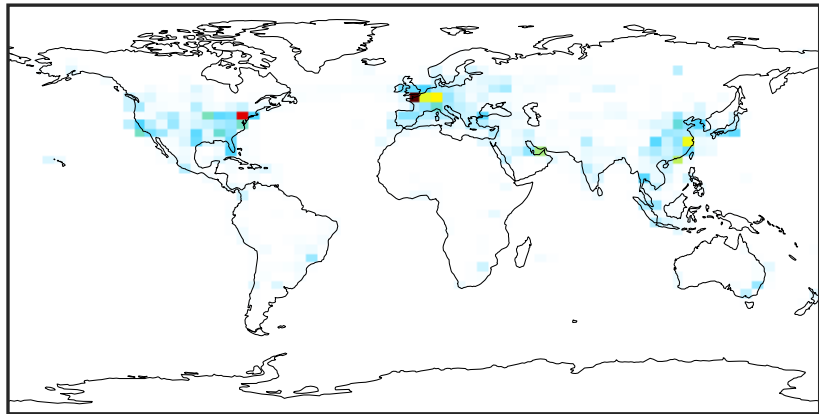
Ratio  
Dev/Ref, Fixed Range



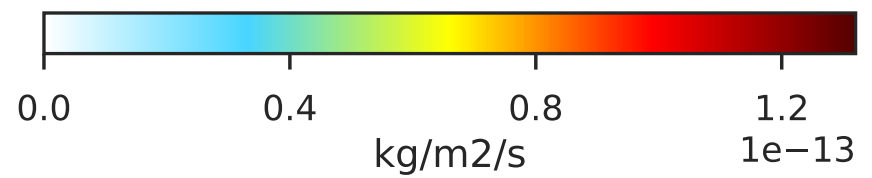
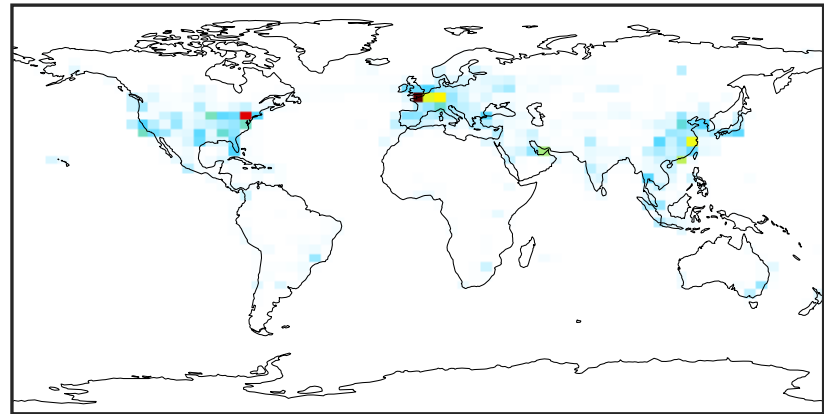
Ref and Dev equal throughout domain  
unitless

# EmisCH20\_Aircraft (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

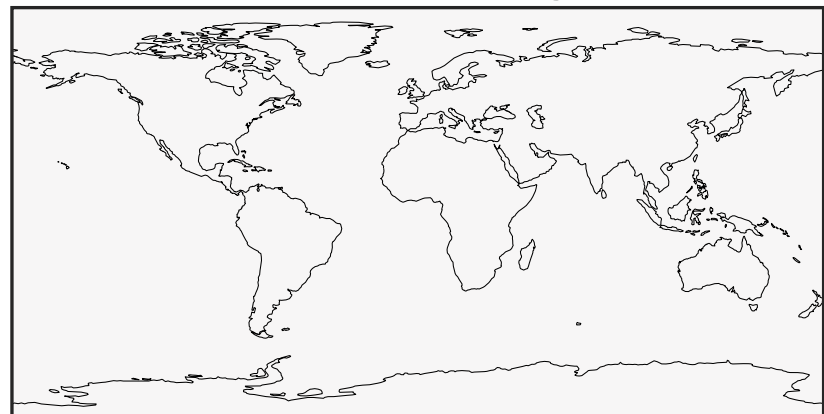


Difference  
Dev - Ref, Dynamic Range



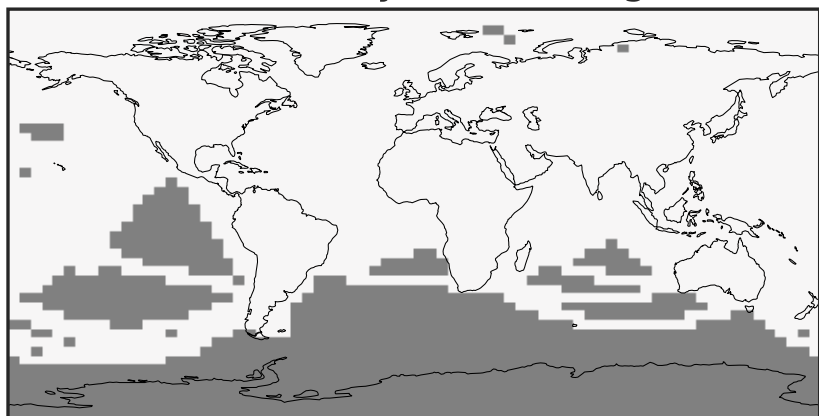
Zero throughout domain  
kg/m2/s

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



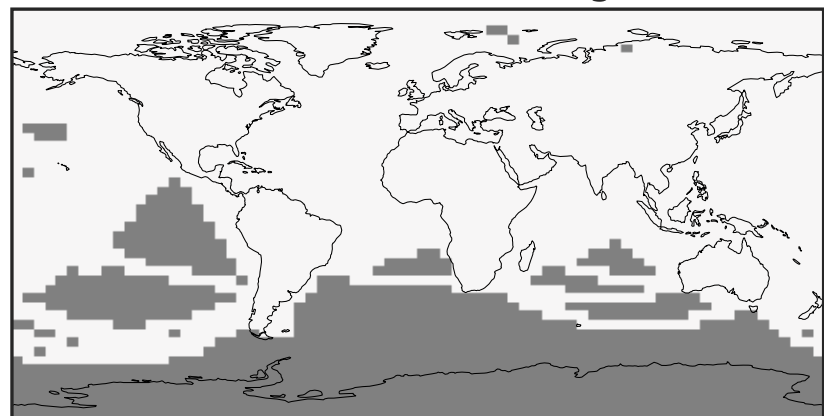
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

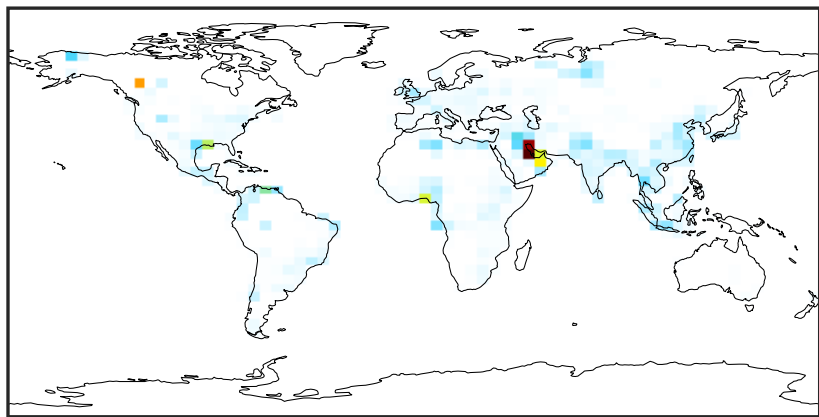
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

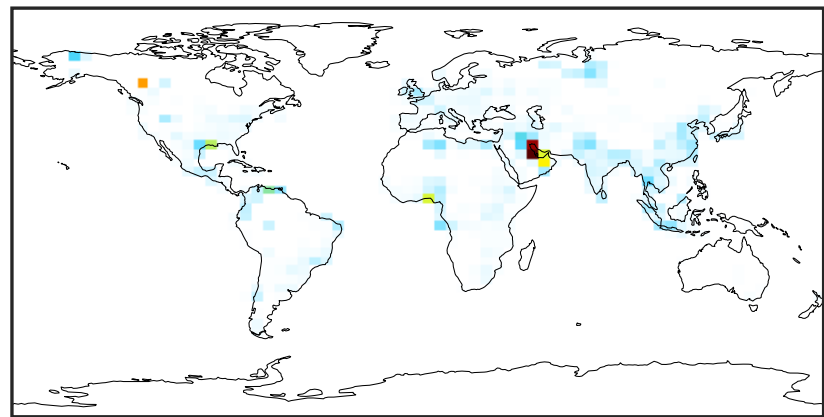
# EmisCH2O\_Anthro (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



0.0 0.4 0.8 1.2  $1e-11$   
kg/m<sup>2</sup>/s

14.3.0-rc.0 (Dev)  
4.0x5.0



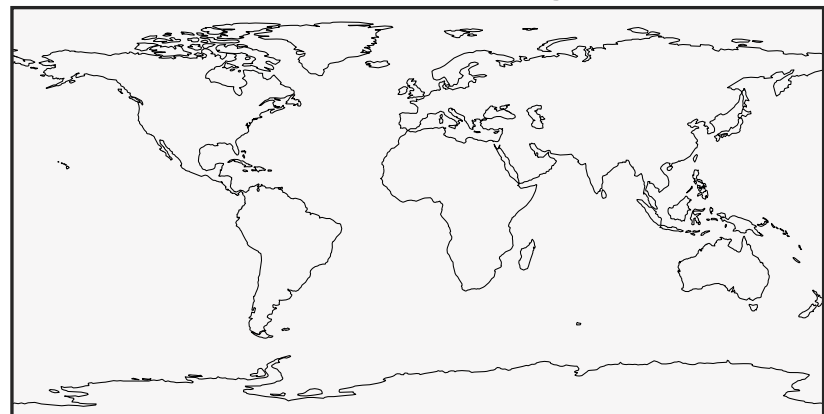
0.0 0.4 0.8 1.2  $1e-11$   
kg/m<sup>2</sup>/s

Difference  
Dev - Ref, Dynamic Range



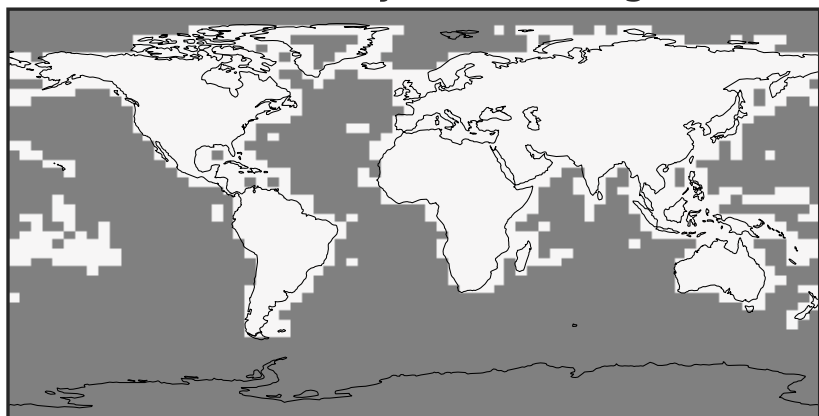
Zero throughout domain  
kg/m<sup>2</sup>/s

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



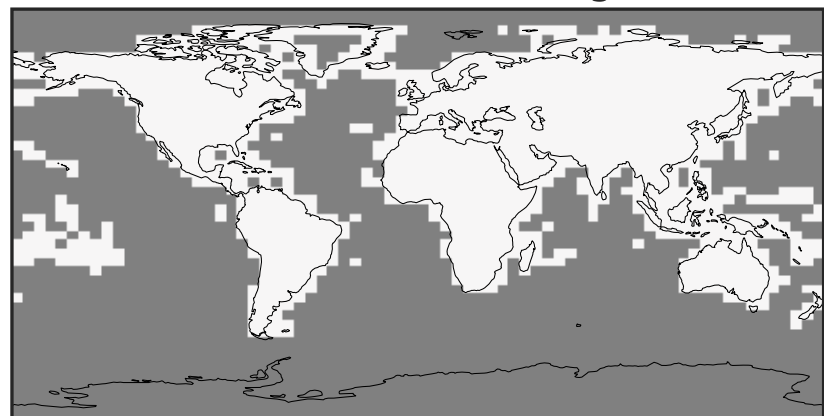
Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

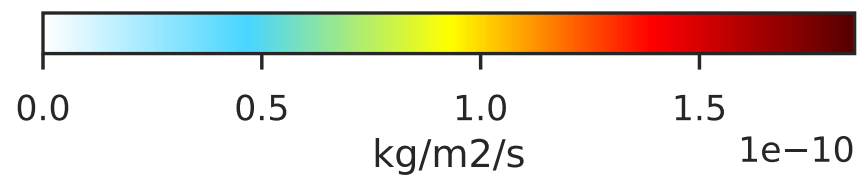
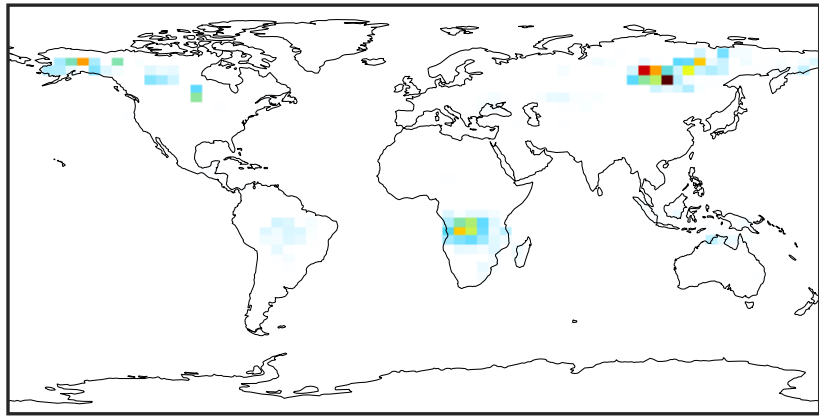
Ratio  
Dev/Ref, Fixed Range



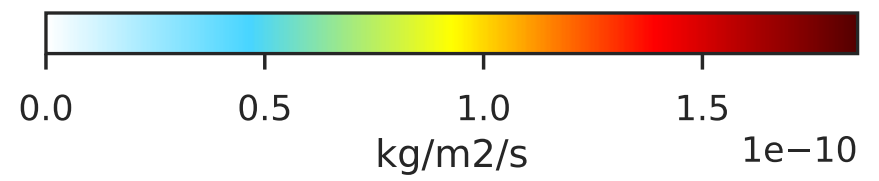
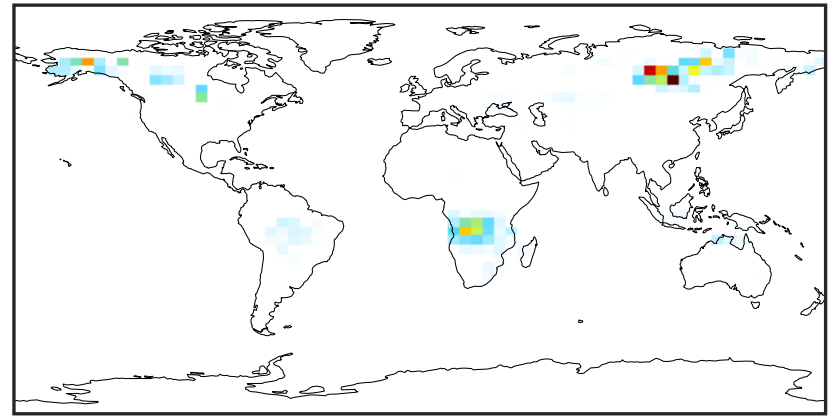
Ref and Dev equal throughout domain  
unitless

# EmisCH2O\_BioBurn (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

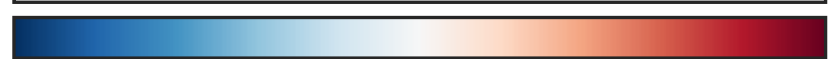


Difference  
Dev - Ref, Dynamic Range



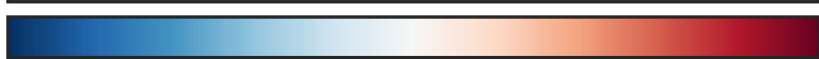
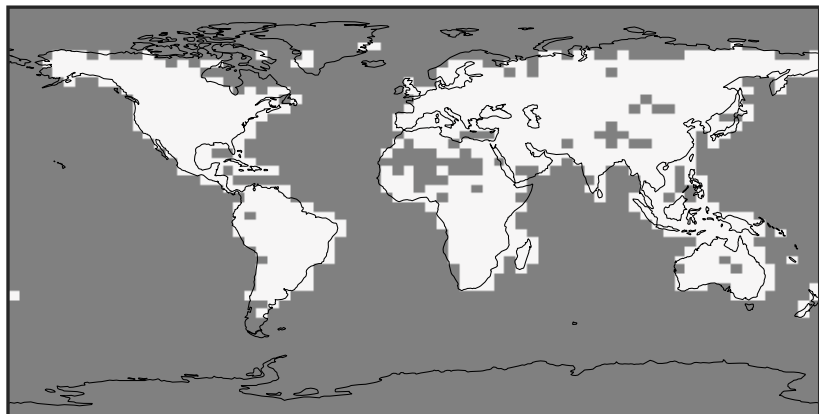
Zero throughout domain  
kg/m2/s

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



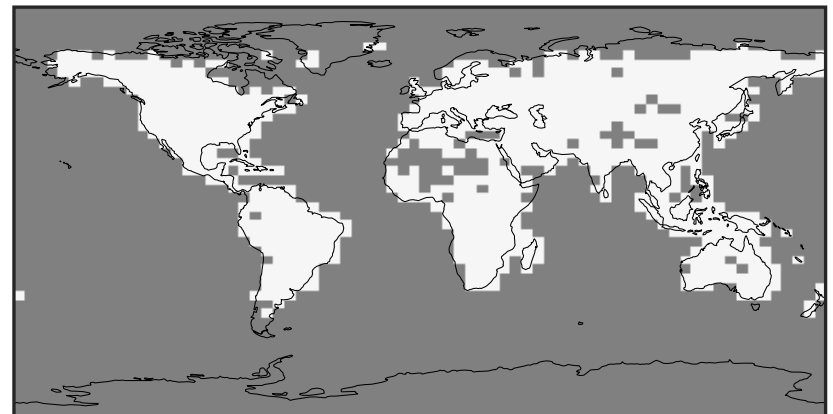
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

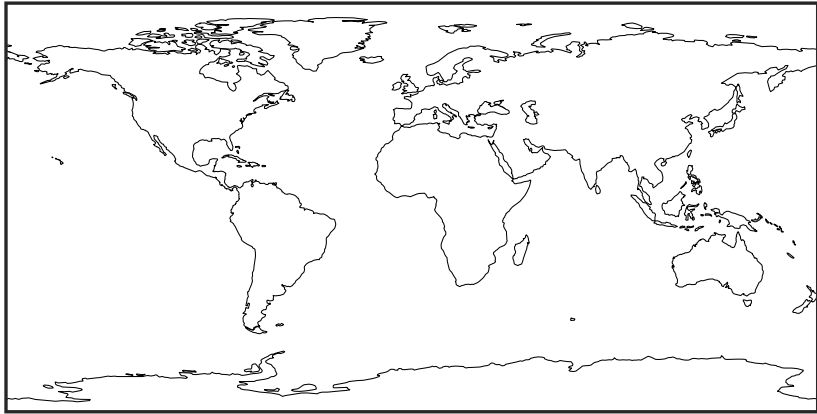
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

# EmisCH2O\_Ship (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



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

14.3.0-rc.0 (Dev)  
4.0x5.0



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

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



Undefined throughout domain  
unitless

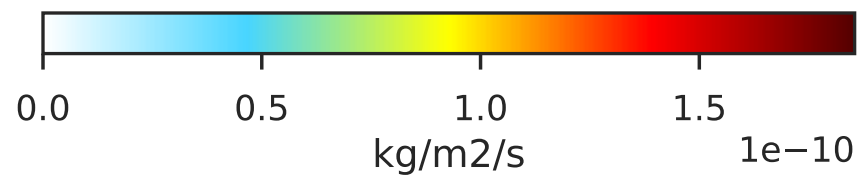
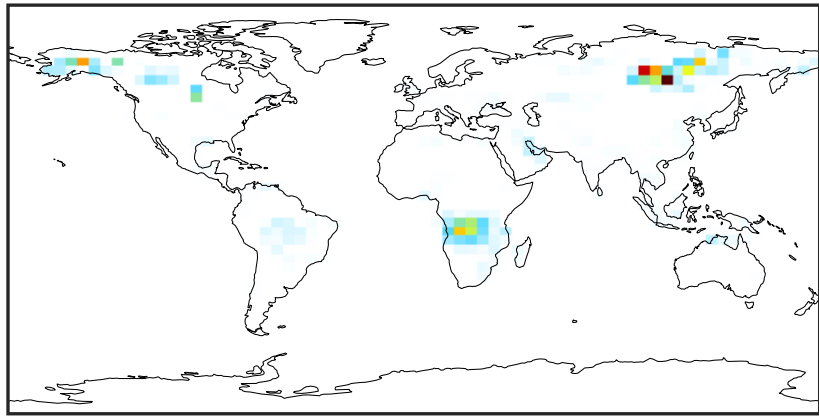
Ratio  
Dev/Ref, Fixed Range



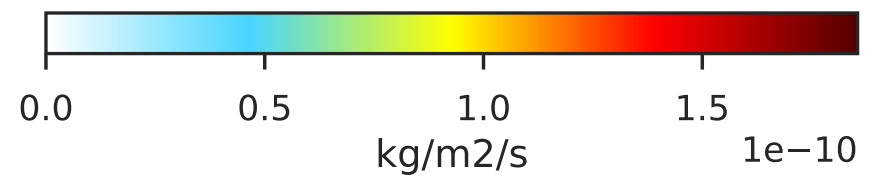
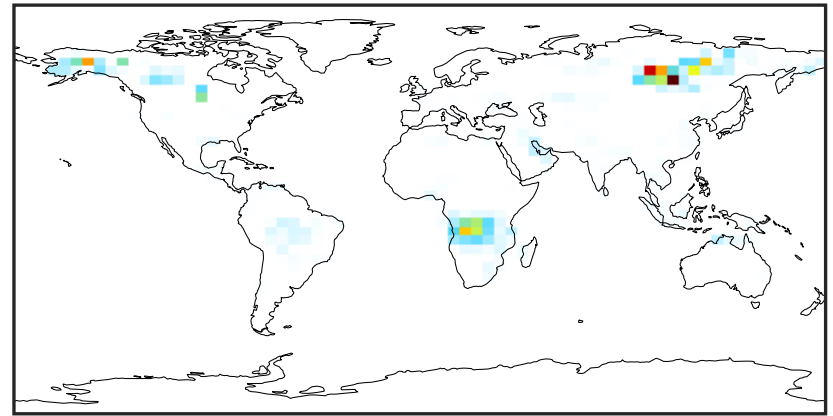
Undefined throughout domain  
unitless

# EmisCH2O\_Total (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



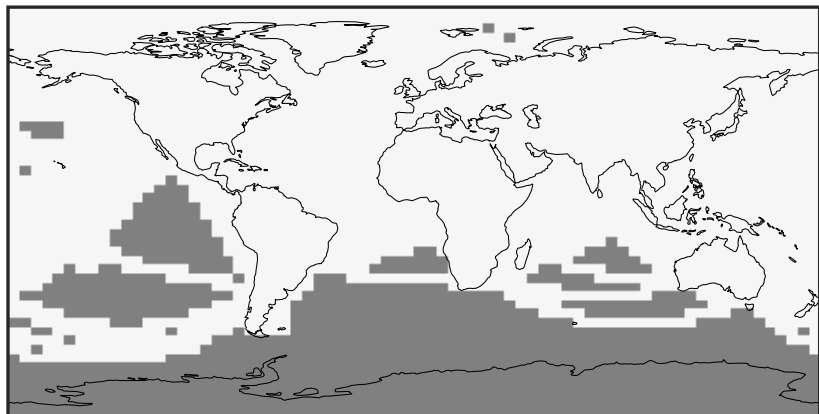
Zero throughout domain  
kg/m2/s

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



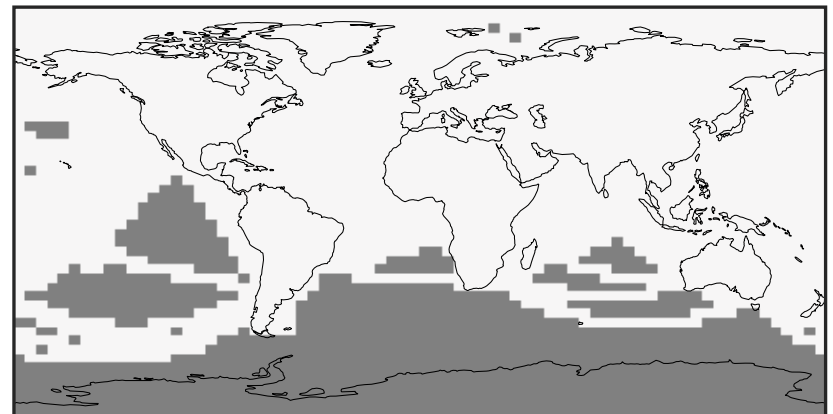
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

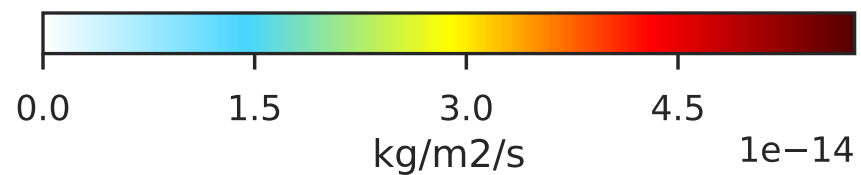
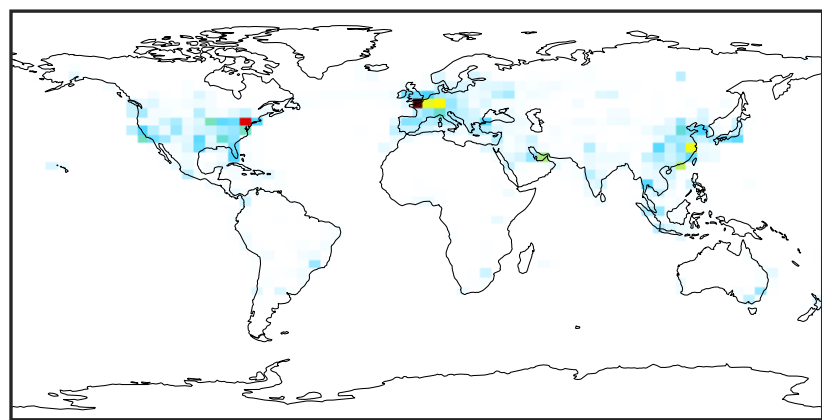
Ratio  
Dev/Ref, Fixed Range



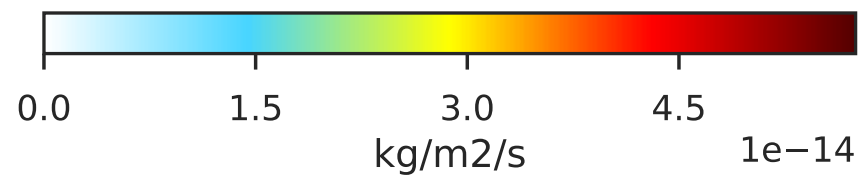
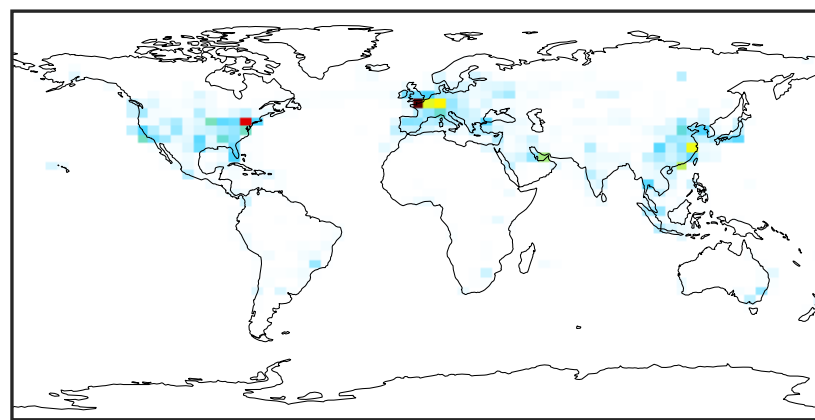
Ref and Dev equal throughout domain  
unitless

# EmisMACR\_Aircraft (Jul2019)

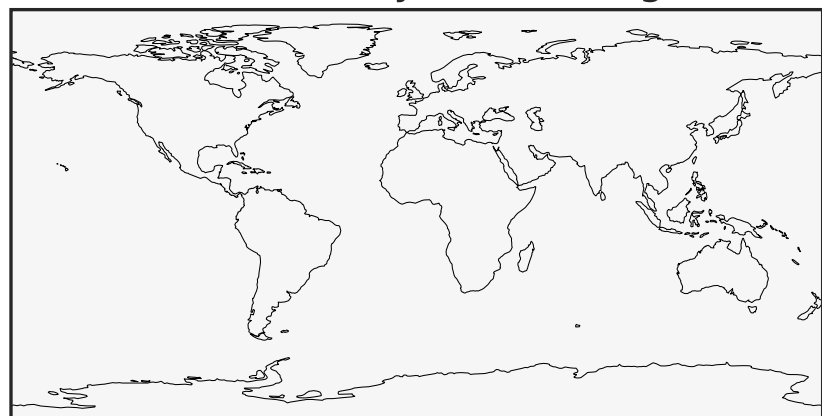
14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

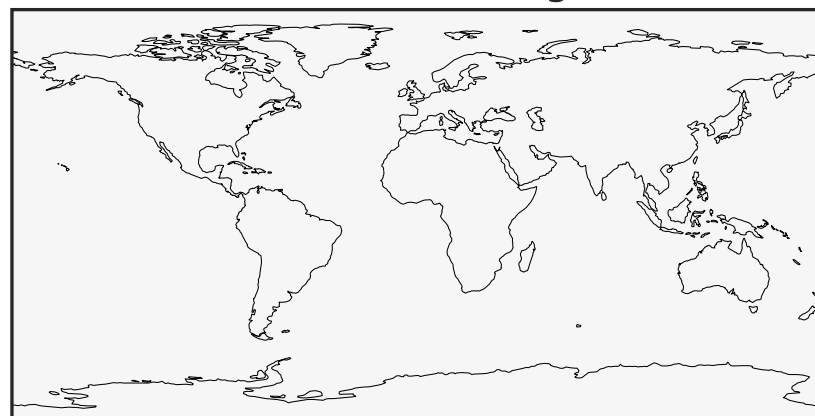


Difference  
Dev - Ref, Dynamic Range



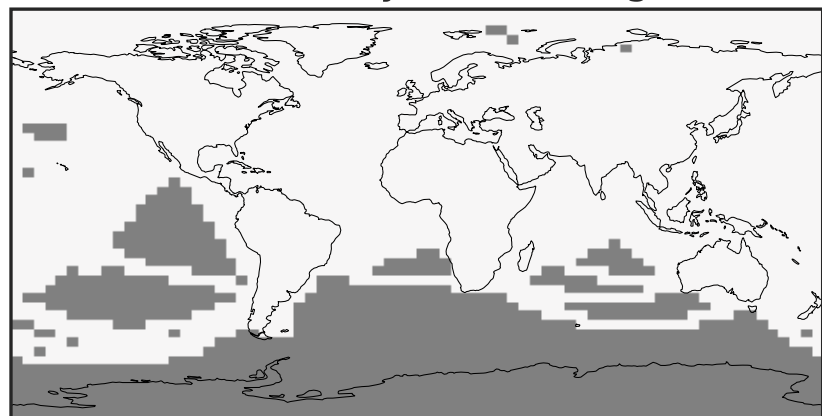
Zero throughout domain  
kg/m2/s

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



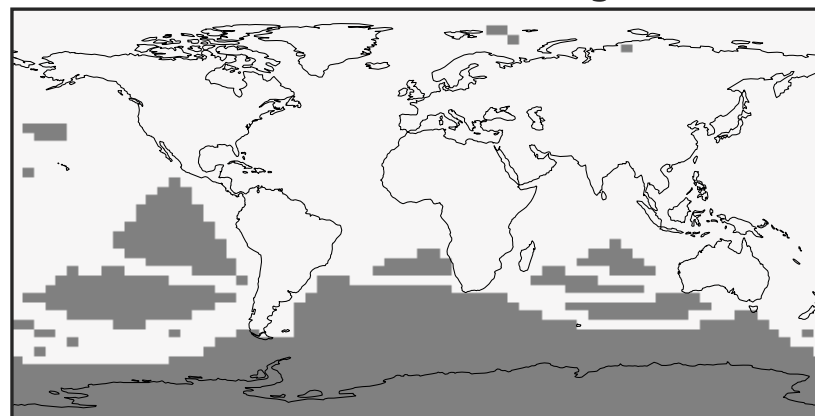
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

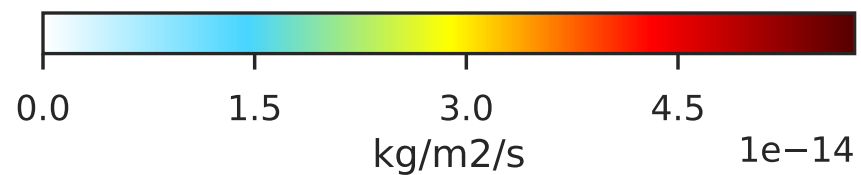
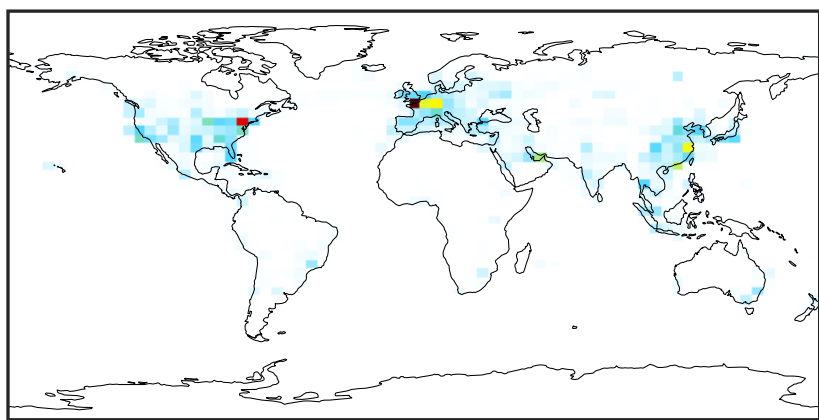
Ratio  
Dev/Ref, Fixed Range



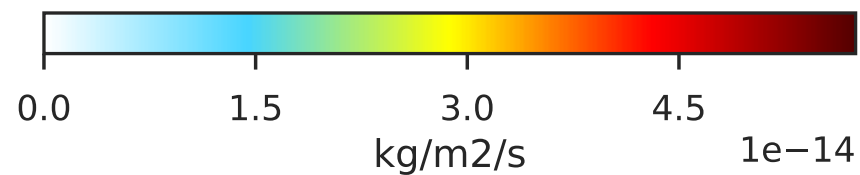
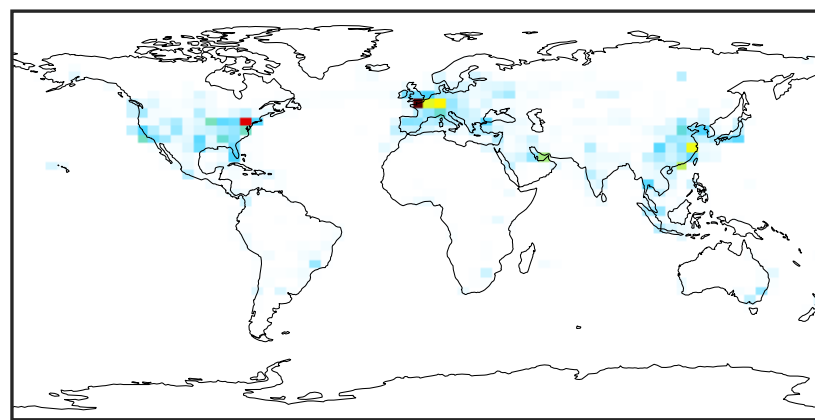
Ref and Dev equal throughout domain  
unitless

# EmisMACR\_Total (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



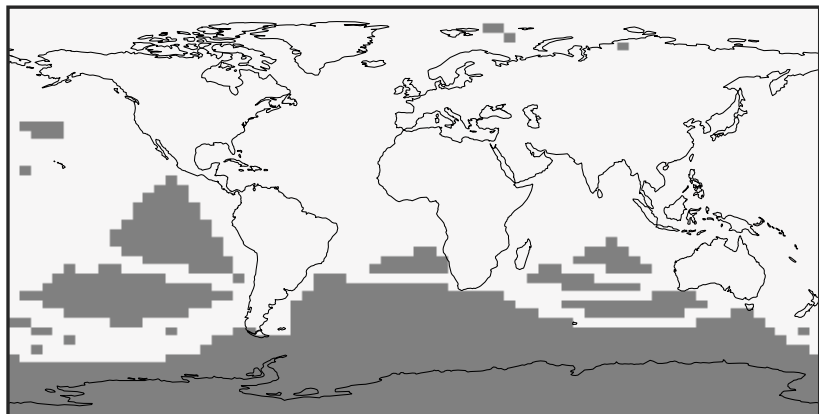
Zero throughout domain  
kg/m2/s

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



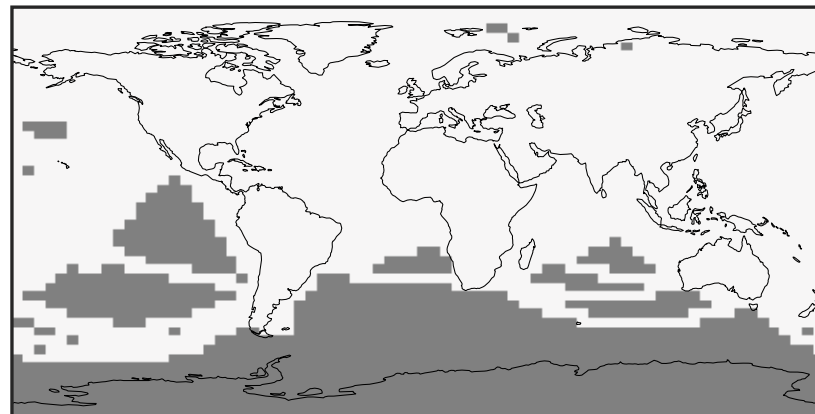
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range

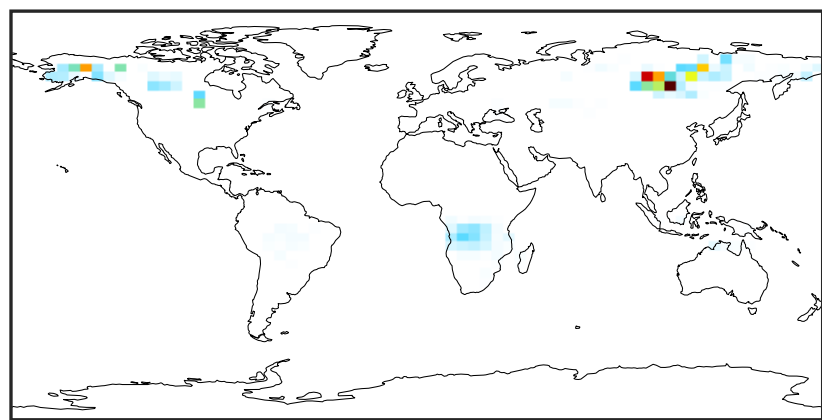


Ref and Dev equal throughout domain  
unitless



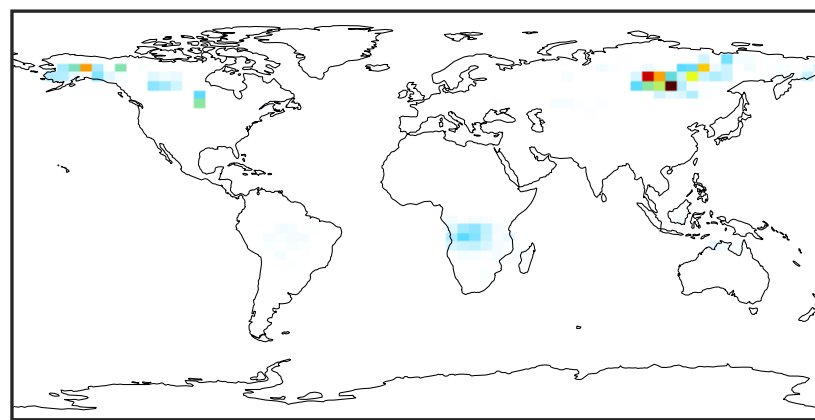
# EmisACET\_BioBurn (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



0.0 0.5 1.0 1.5  
kg/m<sup>2</sup>/s 1e-10

14.3.0-rc.0 (Dev)  
4.0x5.0



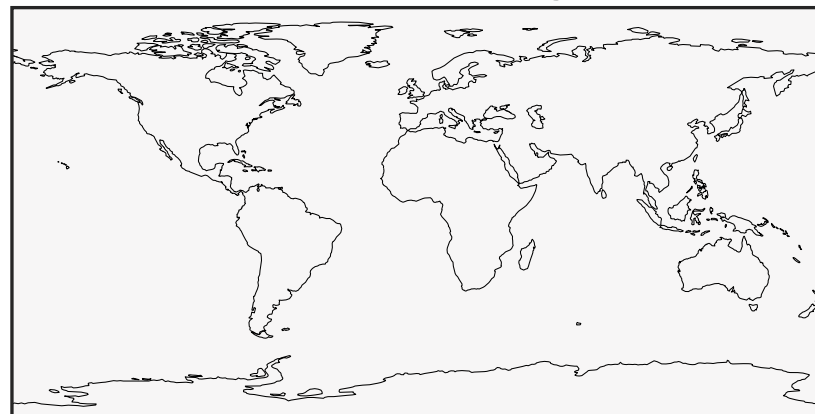
0.0 0.5 1.0 1.5  
kg/m<sup>2</sup>/s 1e-10

Difference  
Dev - Ref, Dynamic Range



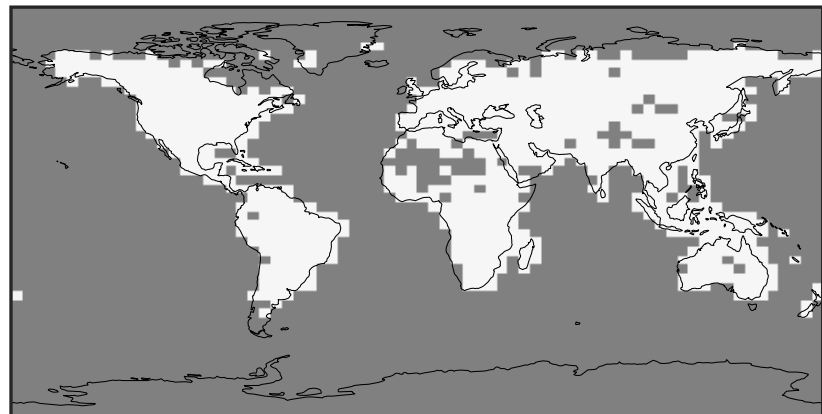
Zero throughout domain  
kg/m<sup>2</sup>/s

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



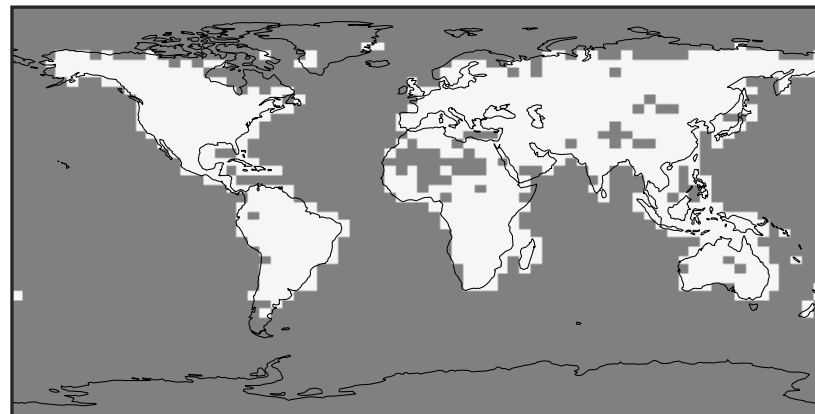
Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

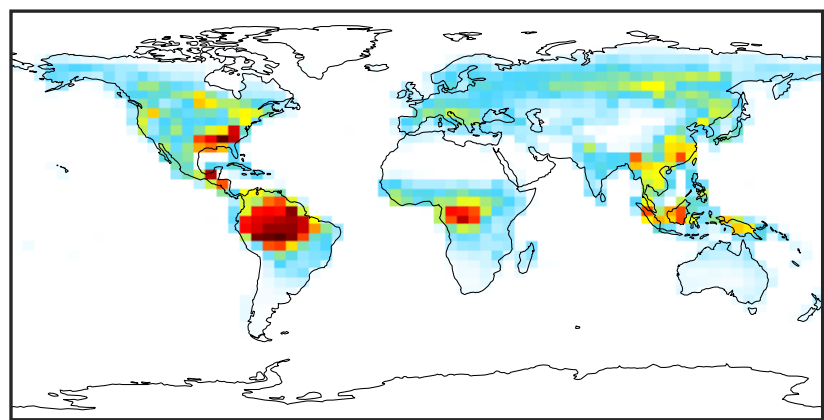
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

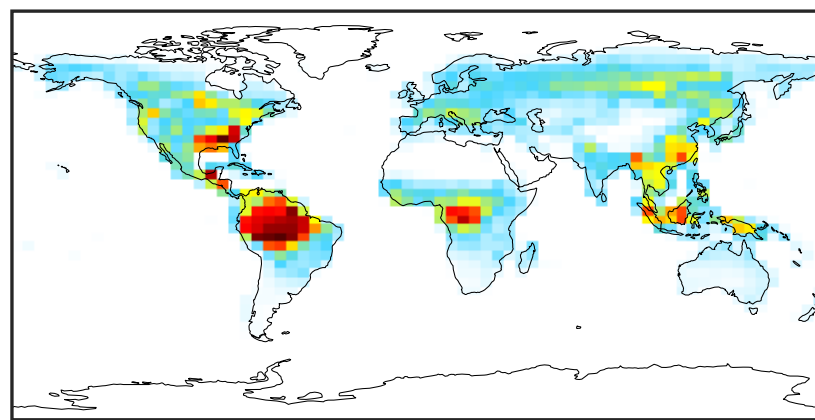
# EmisACET\_Biogenic (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



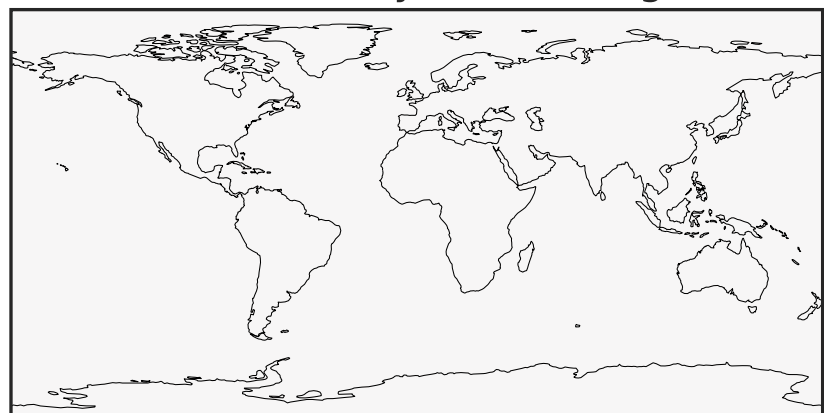
0.0 1.5 3.0 4.5  
kg/m<sup>2</sup>/s 1e-11

14.3.0-rc.0 (Dev)  
4.0x5.0



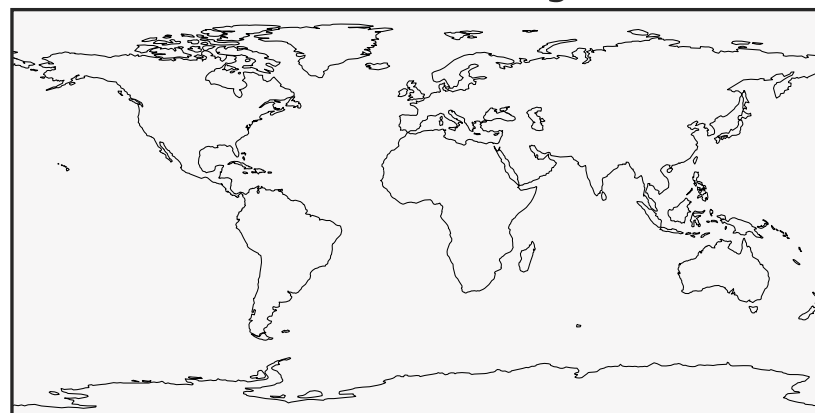
0.0 1.5 3.0 4.5  
kg/m<sup>2</sup>/s 1e-11

Difference  
Dev - Ref, Dynamic Range



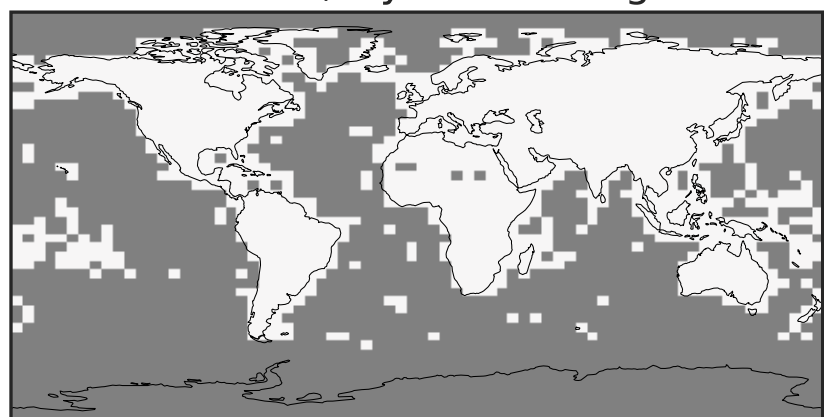
Zero throughout domain  
kg/m<sup>2</sup>/s

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



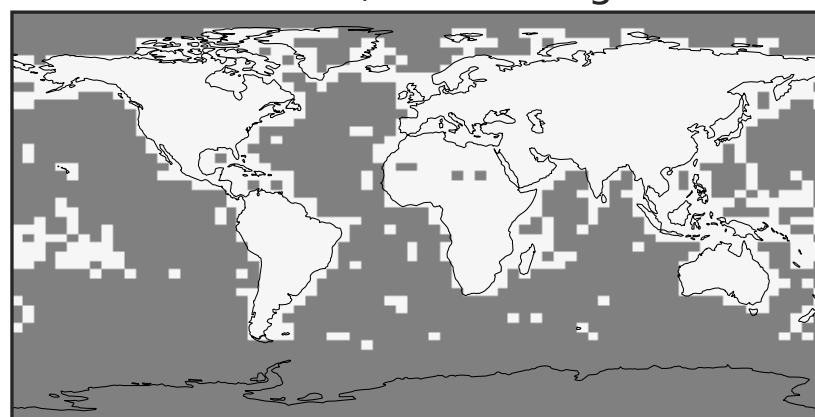
Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

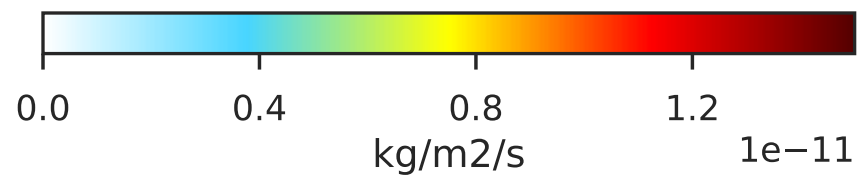
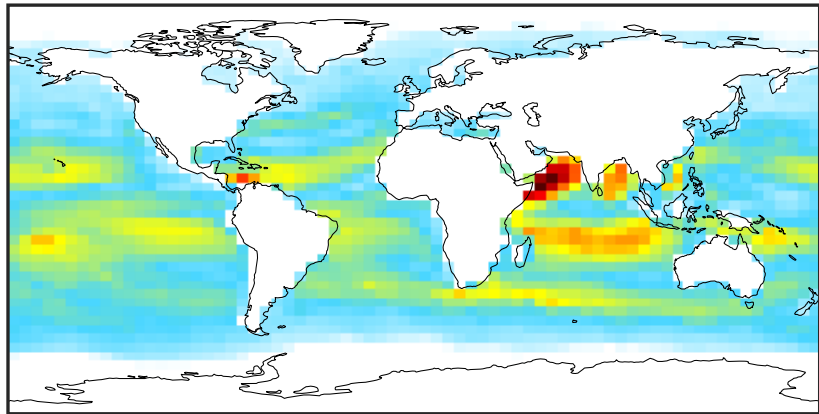
Ratio  
Dev/Ref, Fixed Range



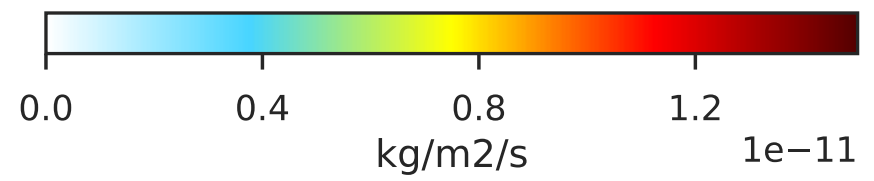
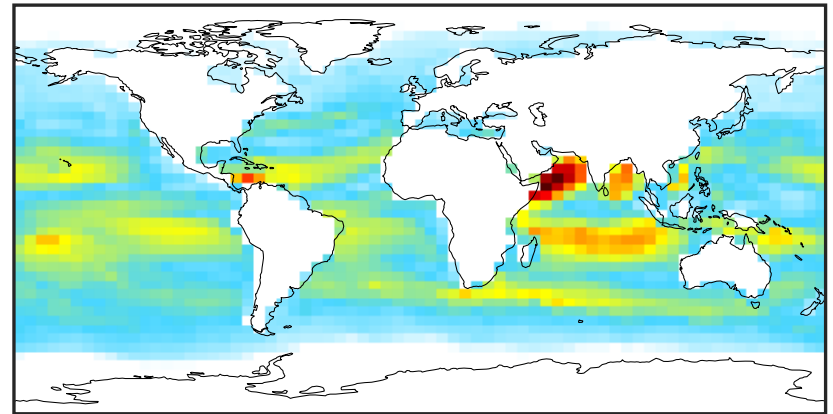
Ref and Dev equal throughout domain  
unitless

# EmisACET\_Ocean (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



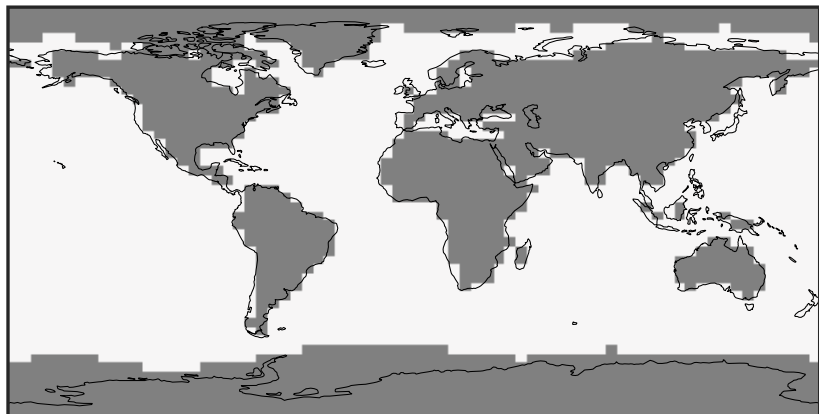
Zero throughout domain  
kg/m2/s

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



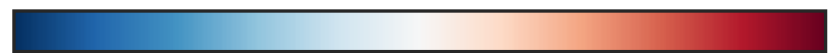
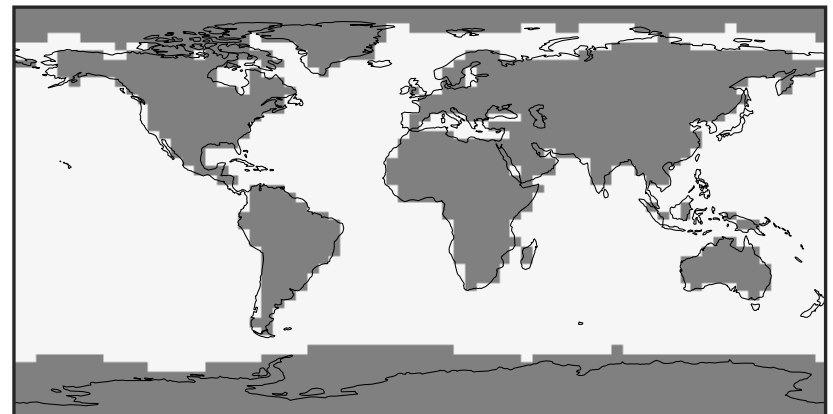
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

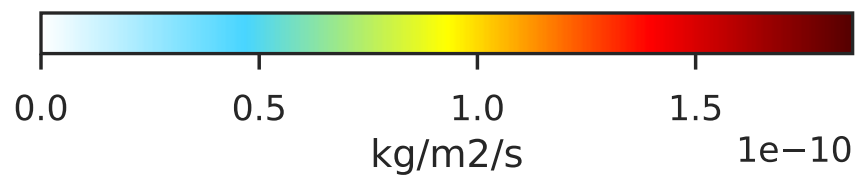
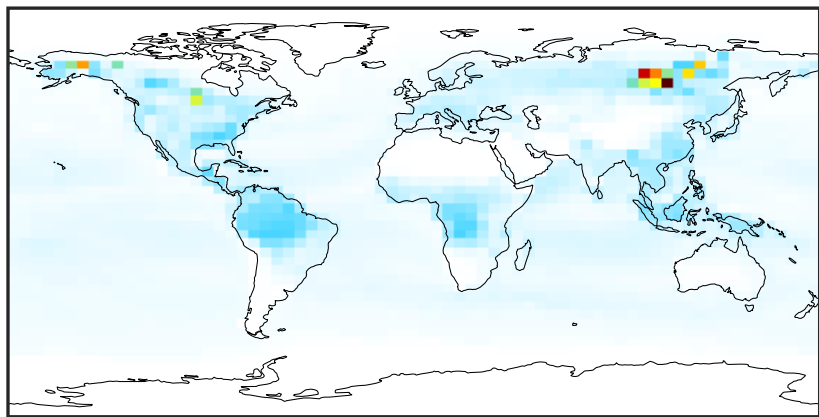
Ratio  
Dev/Ref, Fixed Range



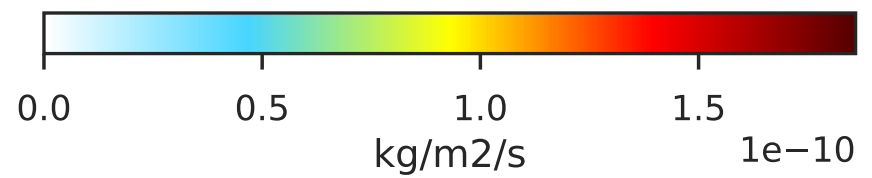
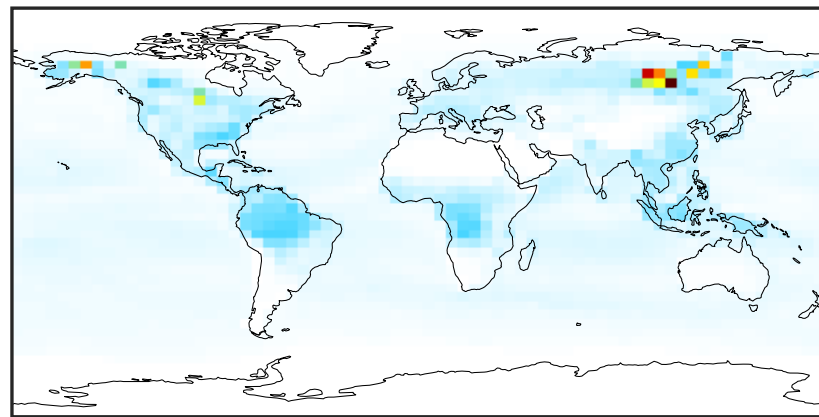
Ref and Dev equal throughout domain  
unitless

# EmisACET\_Total (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



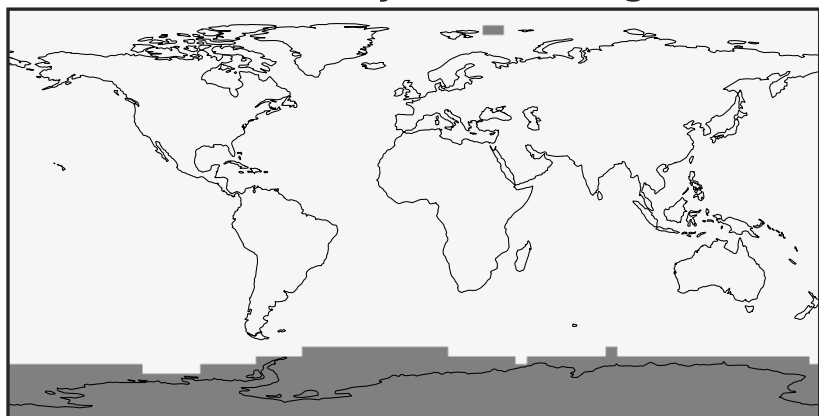
Zero throughout domain  
kg/m2/s

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



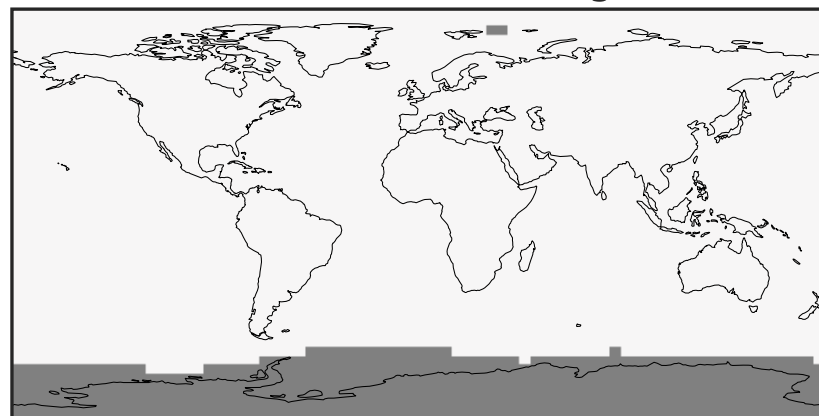
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

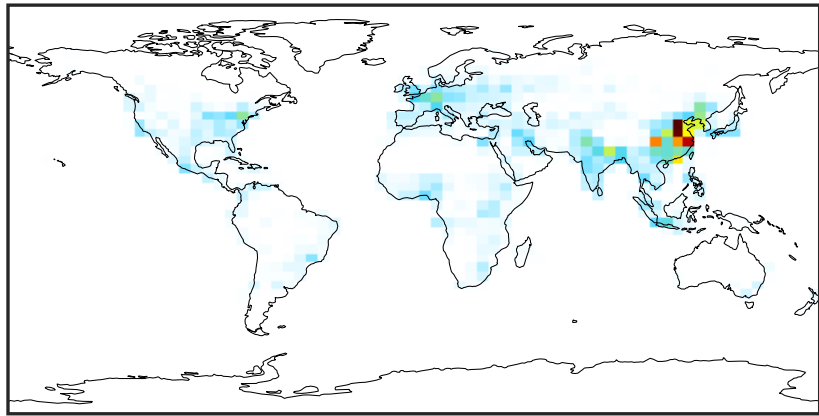
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

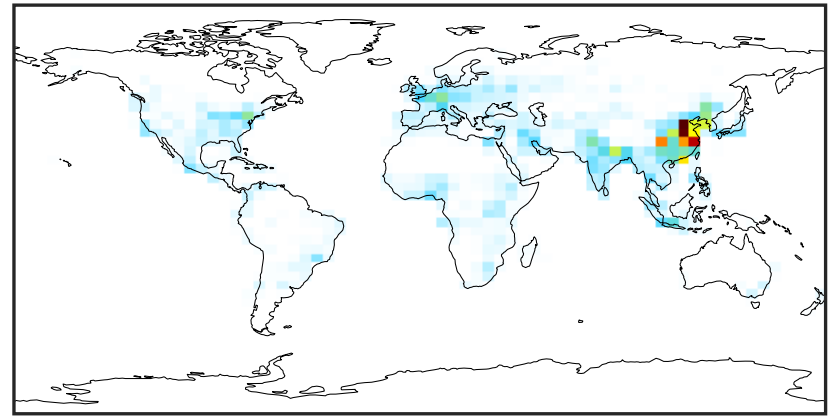
# EmisMEK\_Anthro (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



0.0 0.5 1.0 1.5  
kg/m<sup>2</sup>/s 1e-11

14.3.0-rc.0 (Dev)  
4.0x5.0



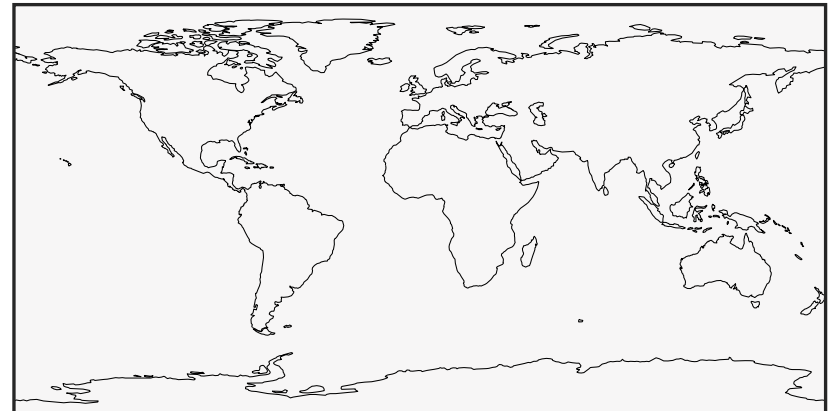
0.0 0.5 1.0 1.5  
kg/m<sup>2</sup>/s 1e-11

Difference  
Dev - Ref, Dynamic Range



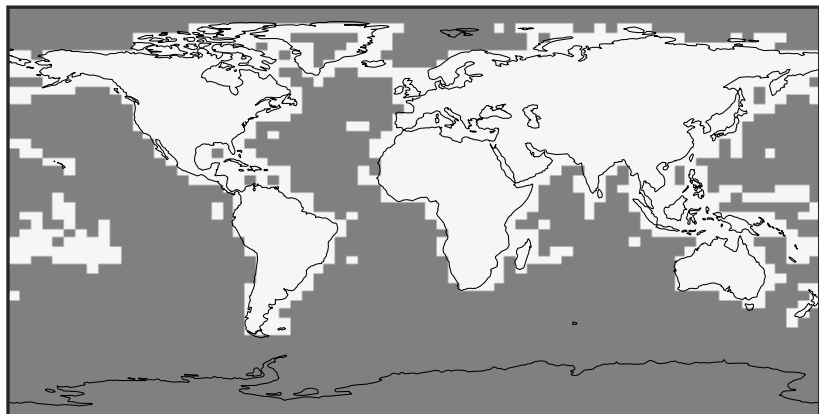
Zero throughout domain  
kg/m<sup>2</sup>/s

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



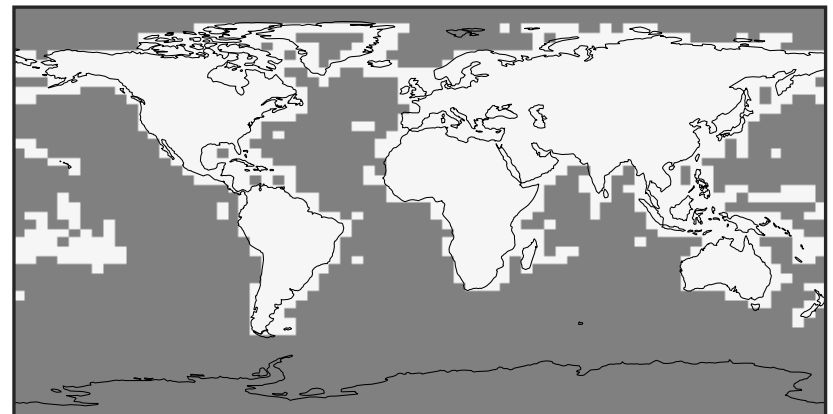
Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

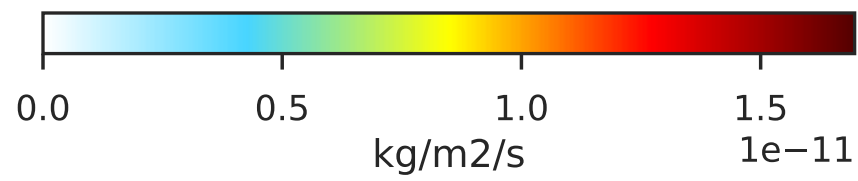
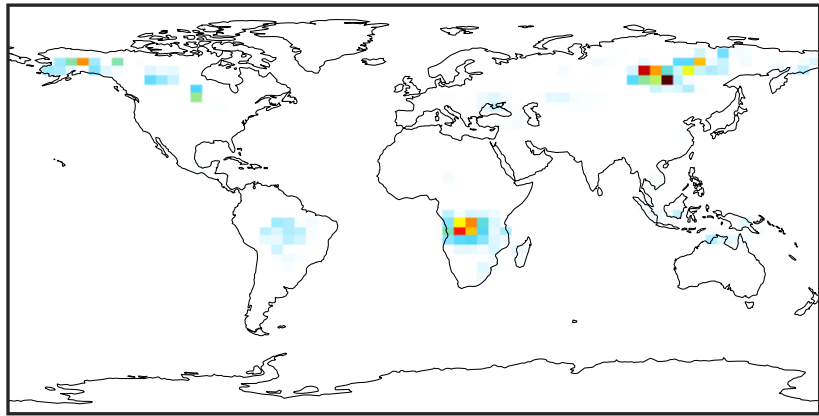
Ratio  
Dev/Ref, Fixed Range



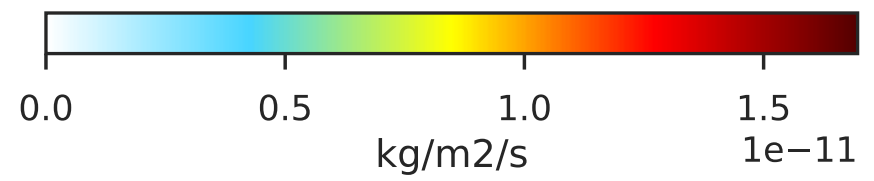
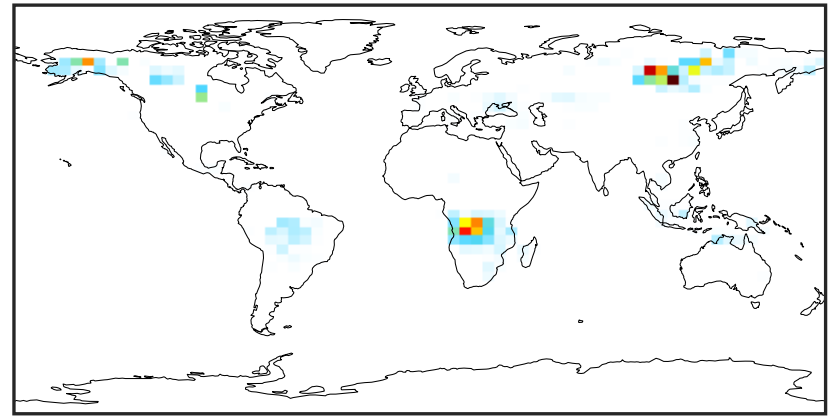
Ref and Dev equal throughout domain  
unitless

# EmisMEK\_BioBurn (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



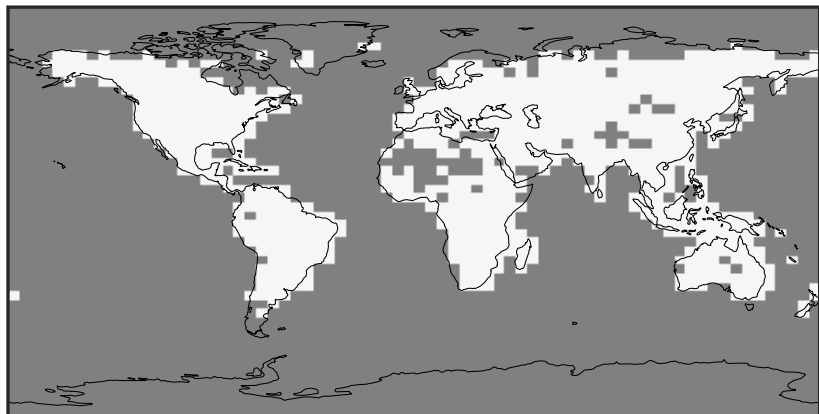
Zero throughout domain  
kg/m2/s

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



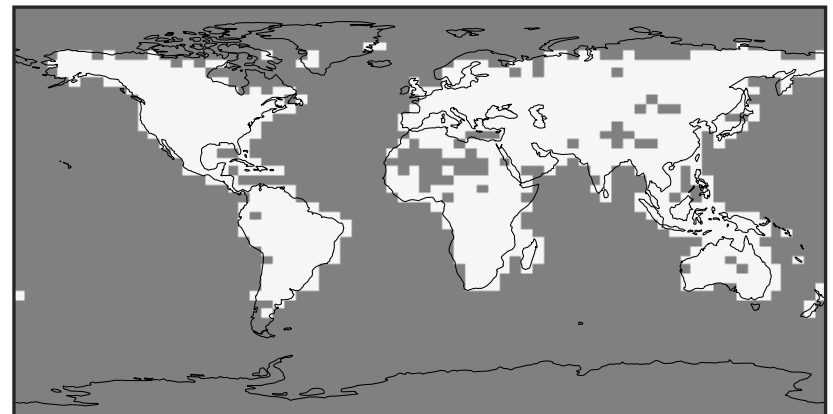
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

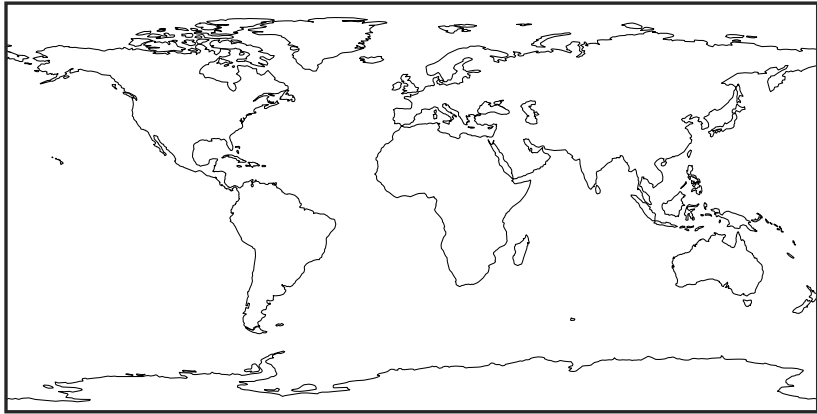
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

# EmisMEK\_Ship (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



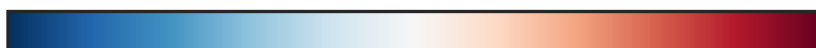
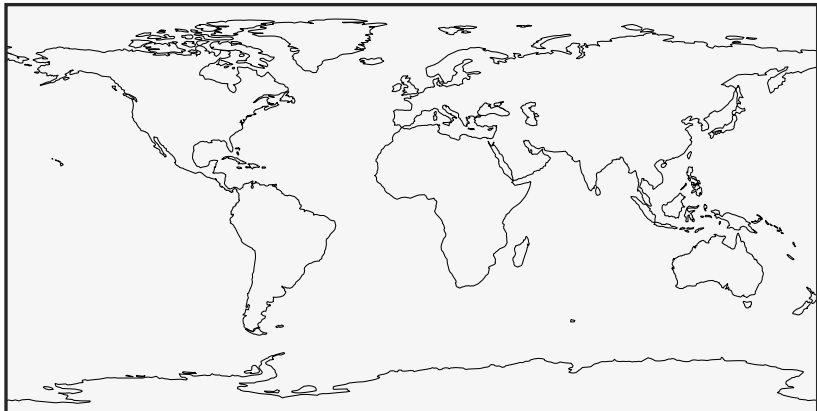
Zero throughput domain  
kg/m<sup>2</sup>/s

14.3.0-rc.0 (Dev)  
4.0x5.0



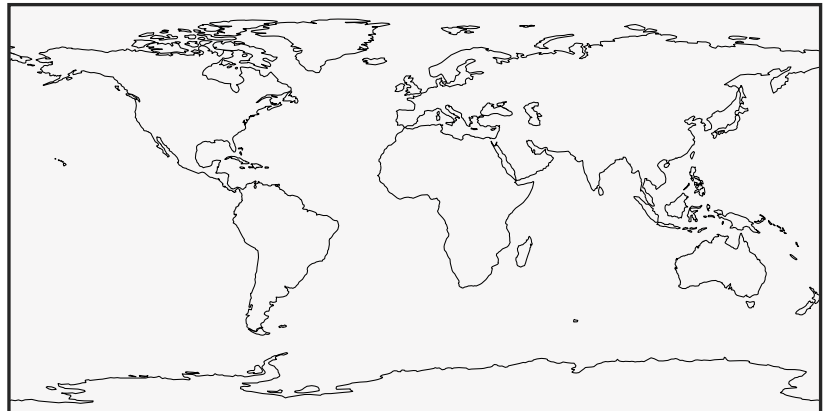
Zero throughput domain  
kg/m<sup>2</sup>/s

Difference  
Dev - Ref, Dynamic Range



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

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



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

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

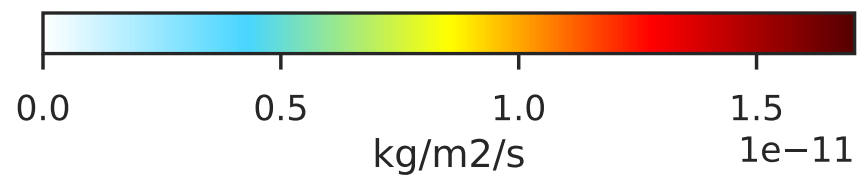
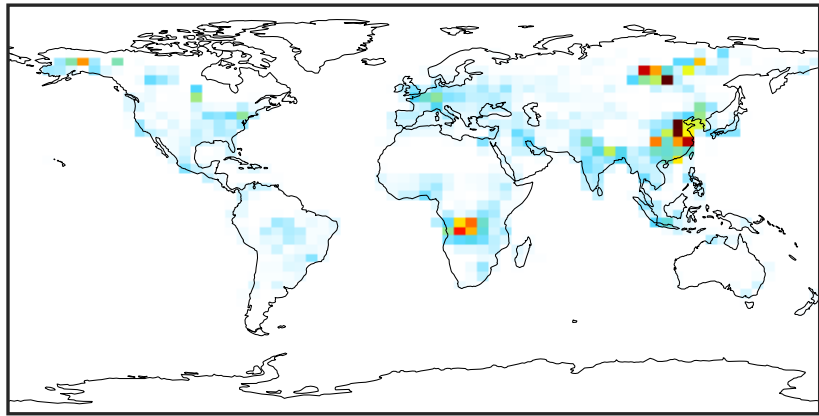
Ratio  
Dev/Ref, Fixed Range



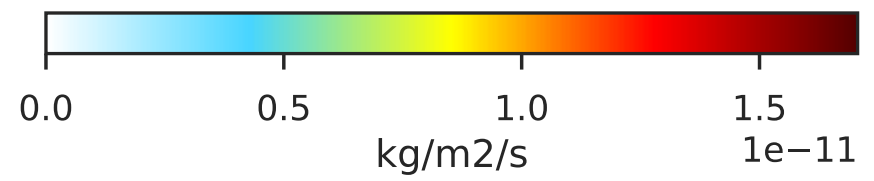
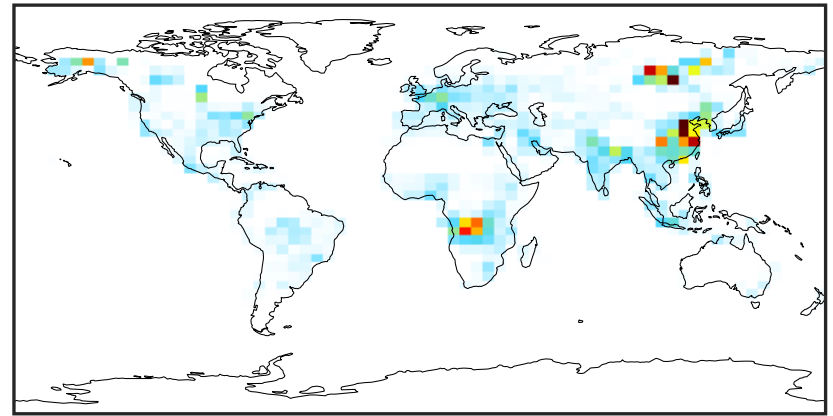
Undefined throughout domain  
unitless

# EmisMEK\_Total (Jul2019)

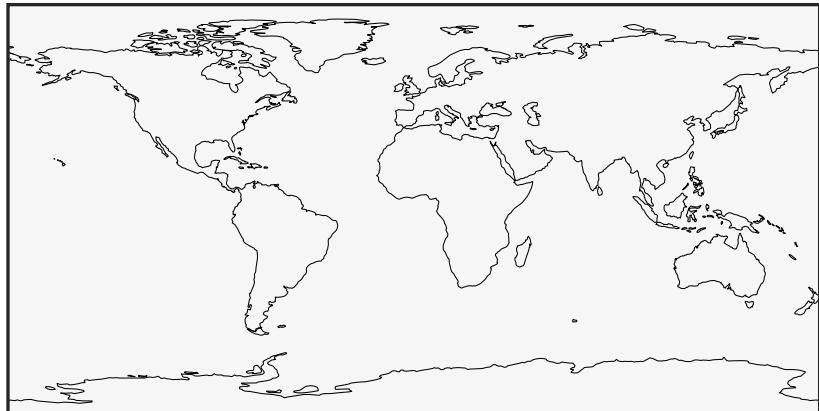
14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



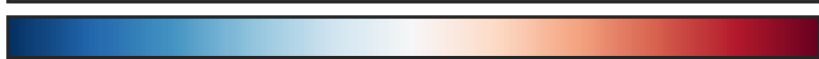
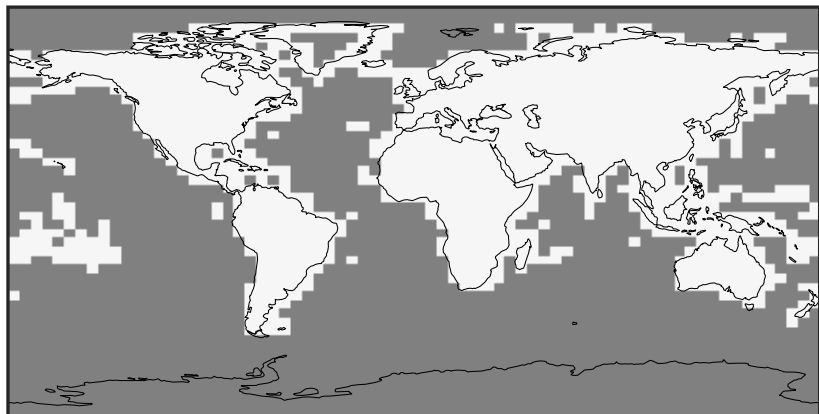
Zero throughout domain  
kg/m2/s

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



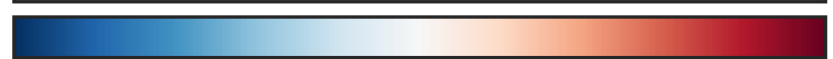
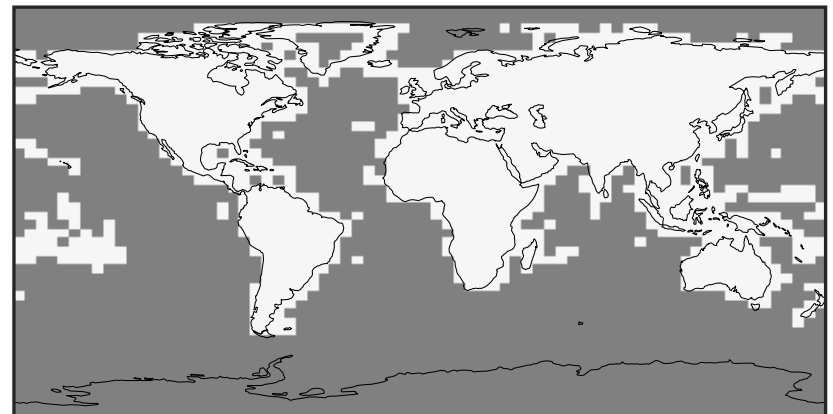
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range

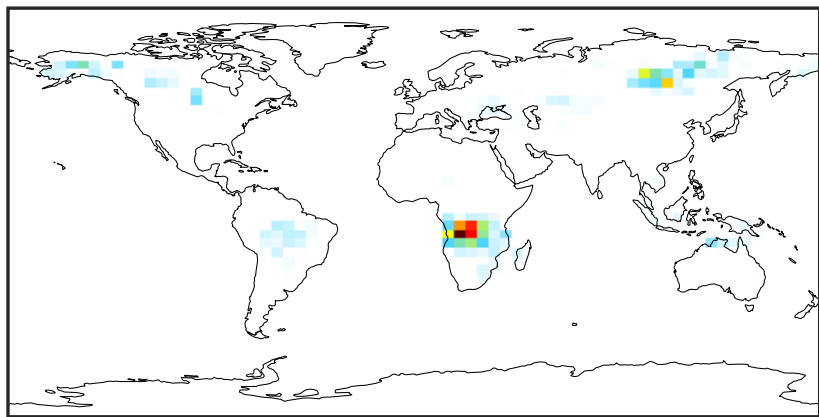


Ref and Dev equal throughout domain  
unitless



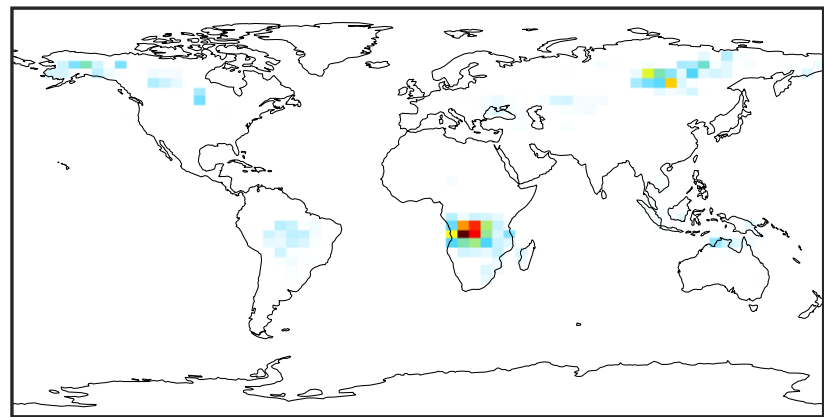
# EmisMVK\_BioBurn (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



0.0 0.5 1.0 1.5  $1e-11$   
kg/m<sup>2</sup>/s

14.3.0-rc.0 (Dev)  
4.0x5.0



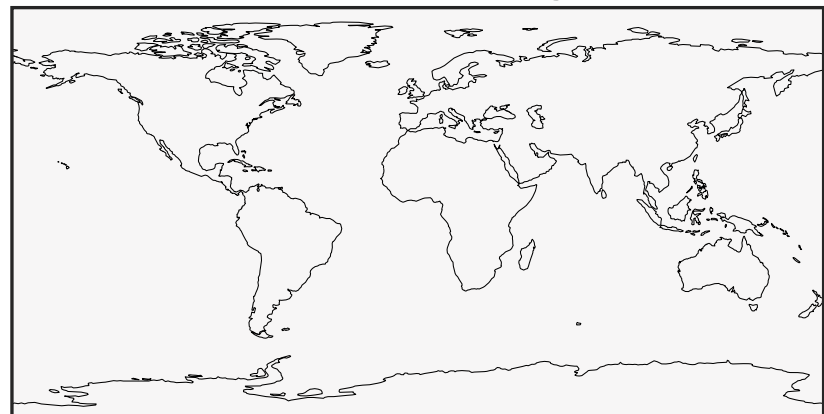
0.0 0.5 1.0 1.5  $1e-11$   
kg/m<sup>2</sup>/s

Difference  
Dev - Ref, Dynamic Range



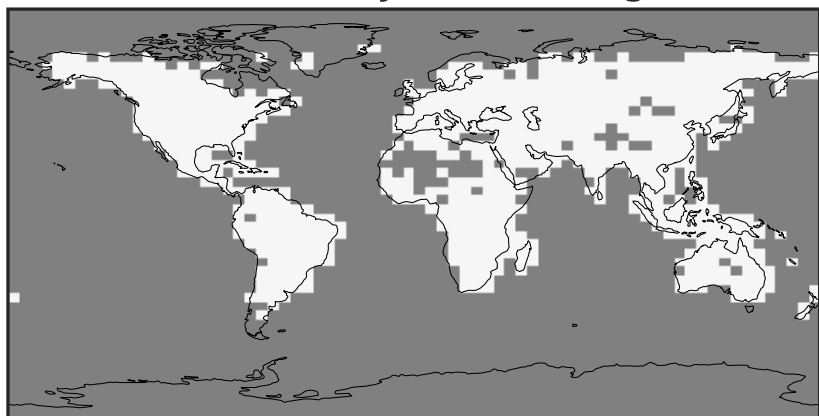
Zero throughout domain  
kg/m<sup>2</sup>/s

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



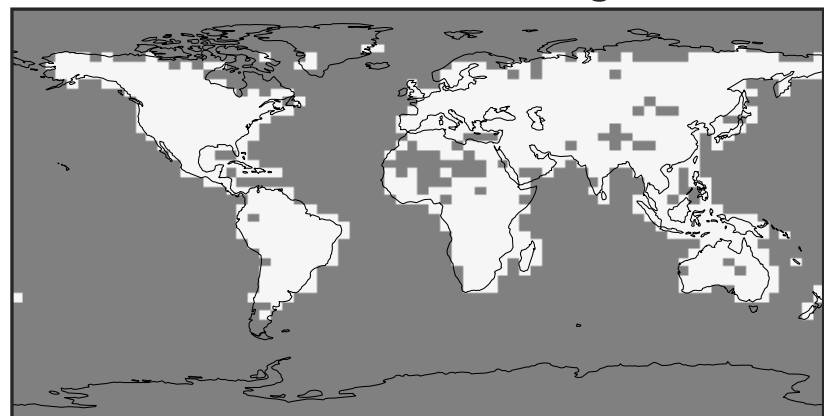
Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

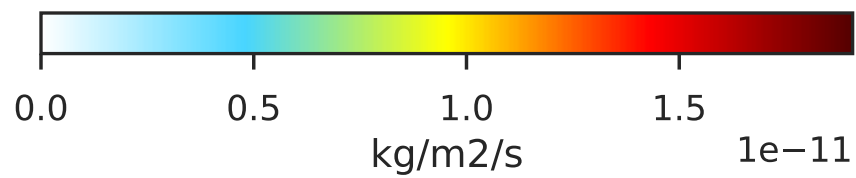
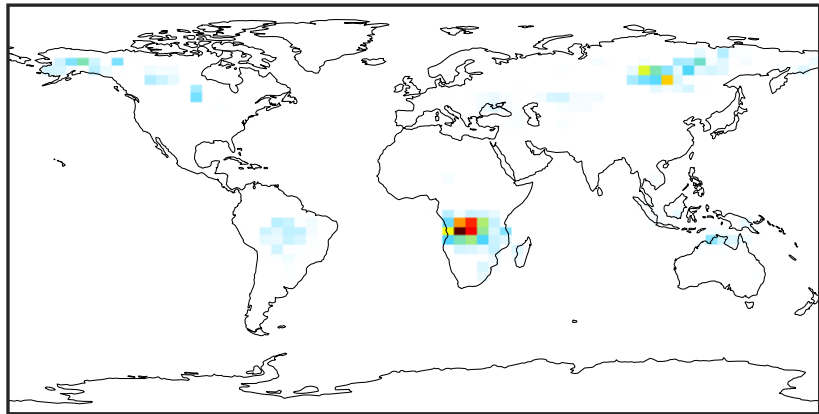
Ratio  
Dev/Ref, Fixed Range



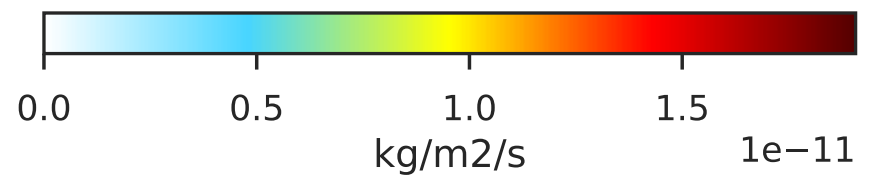
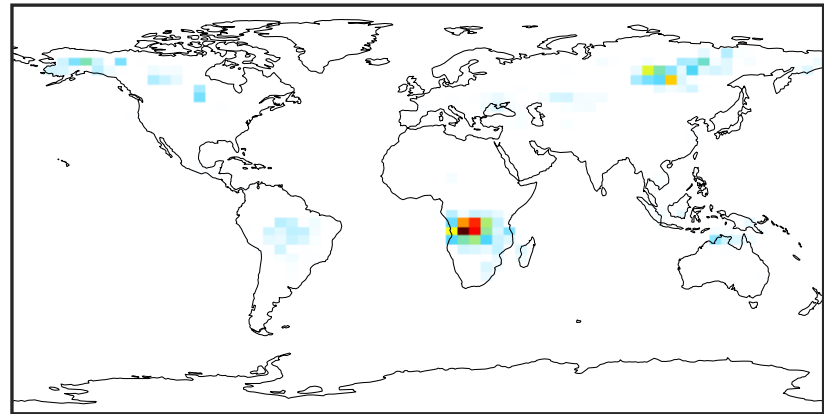
Ref and Dev equal throughout domain  
unitless

# EmisMVK\_Total (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

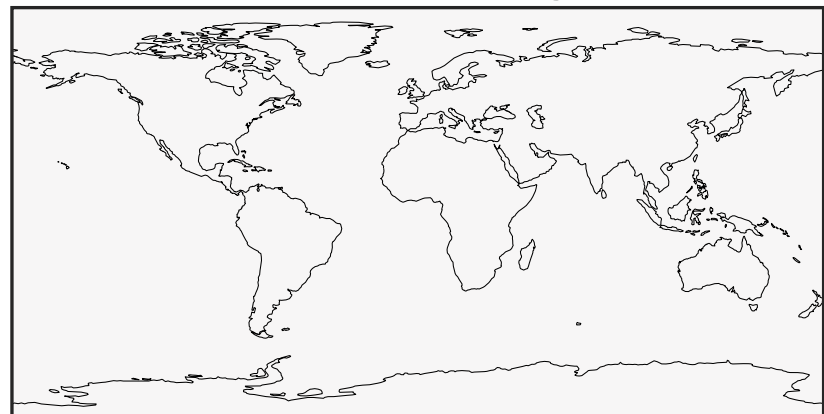


Difference  
Dev - Ref, Dynamic Range



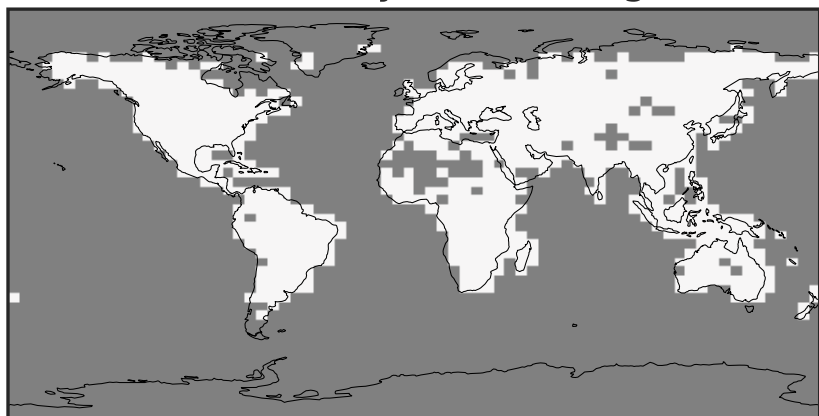
Zero throughout domain  
kg/m2/s

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



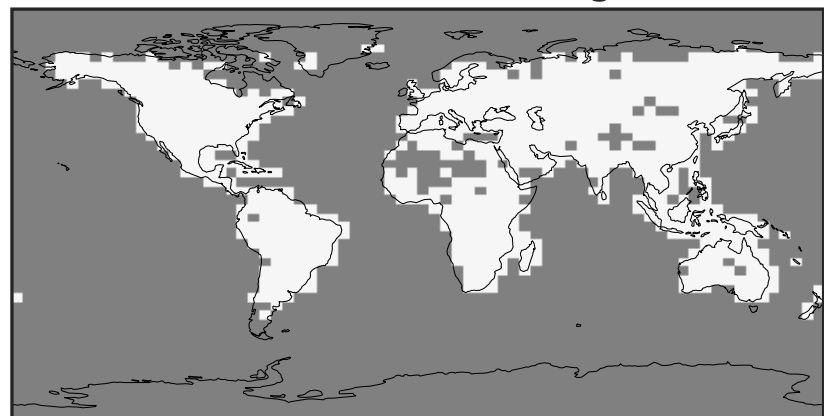
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

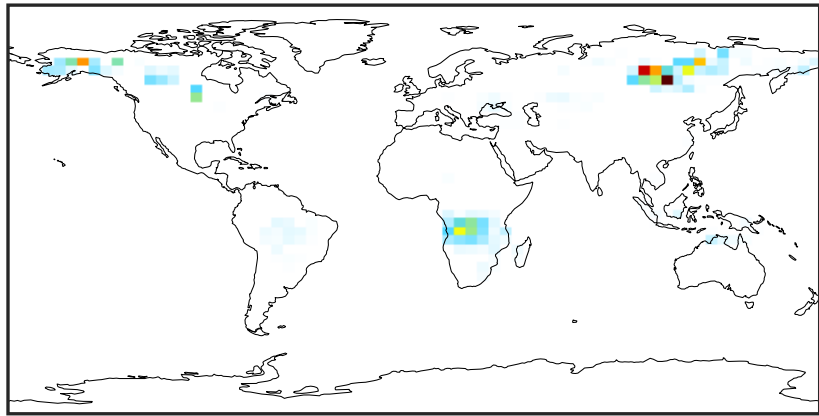
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

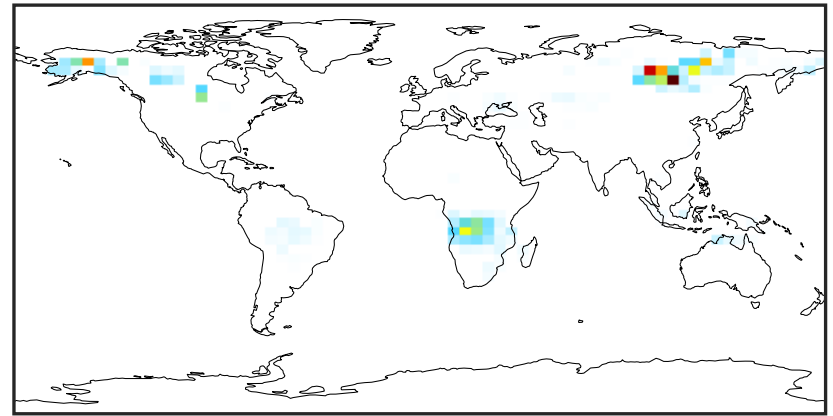
# EmisFURA\_BioBurn (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



0.0 2.5 5.0 7.5  
kg/m2/s 1e-11

14.3.0-rc.0 (Dev)  
4.0x5.0



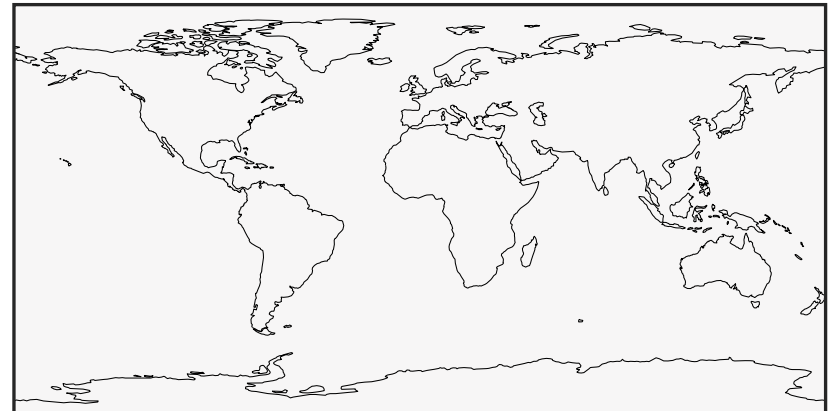
0.0 2.5 5.0 7.5  
kg/m2/s 1e-11

Difference  
Dev - Ref, Dynamic Range



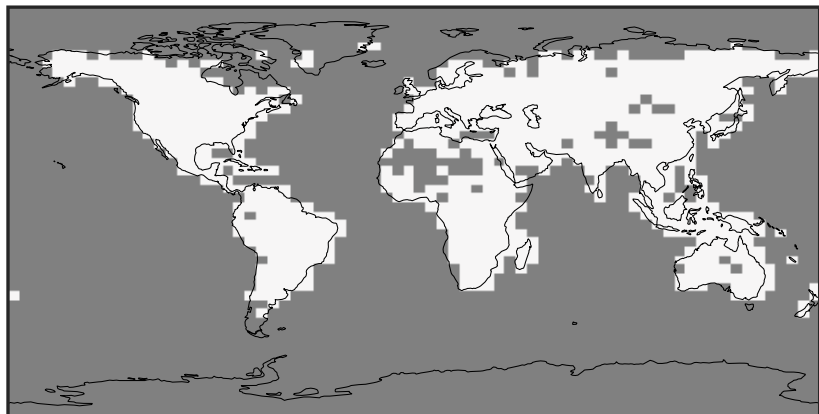
Zero throughout domain  
kg/m2/s

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



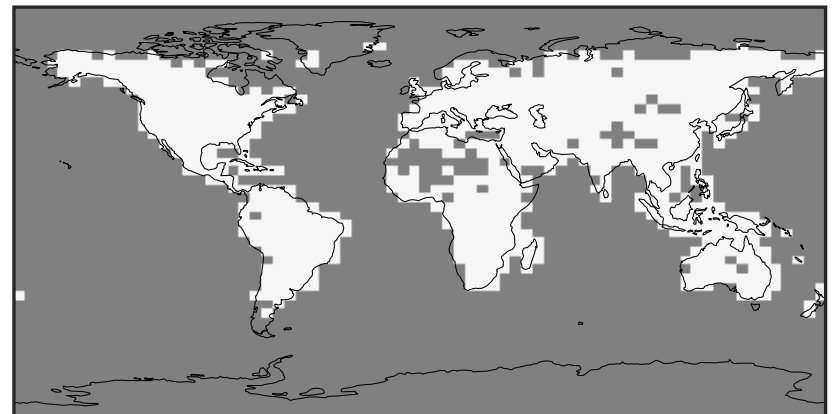
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

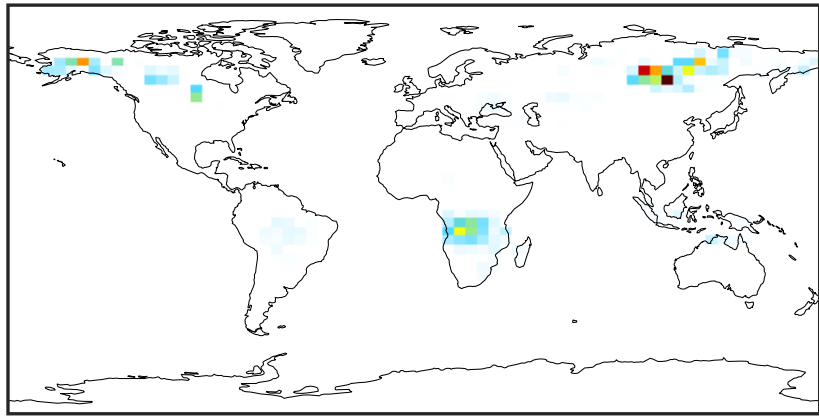
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

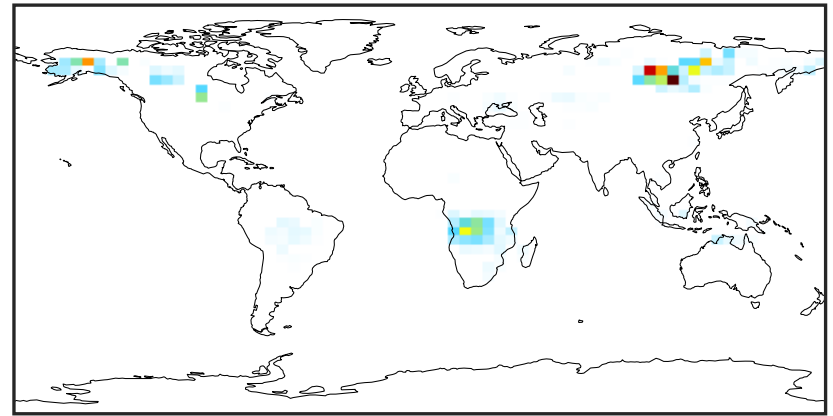
# EmisFURA\_Total (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



0.0 2.5 5.0 7.5  
kg/m2/s 1e-11

14.3.0-rc.0 (Dev)  
4.0x5.0



0.0 2.5 5.0 7.5  
kg/m2/s 1e-11

Difference  
Dev - Ref, Dynamic Range



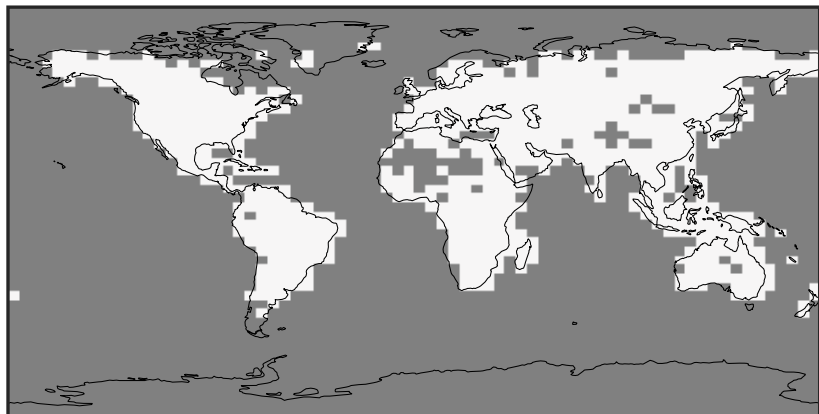
Zero throughout domain  
kg/m2/s

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



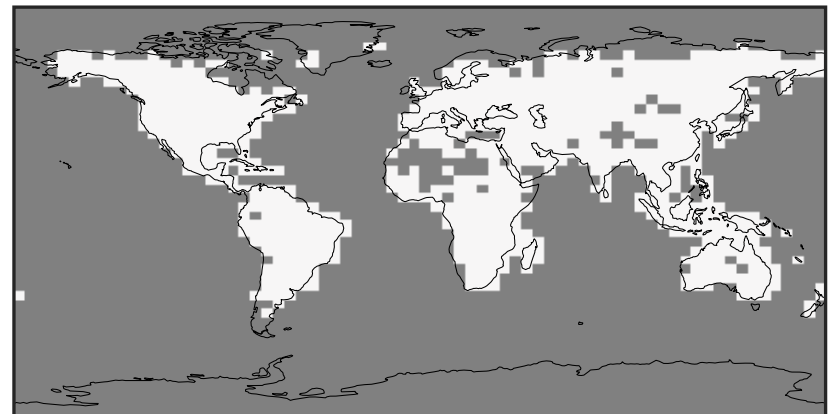
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

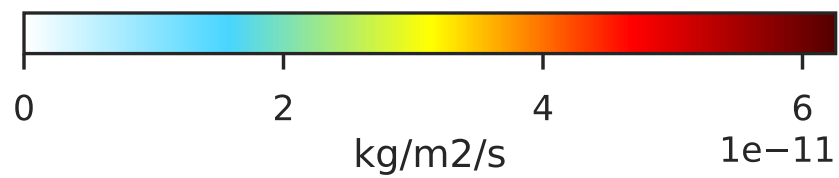
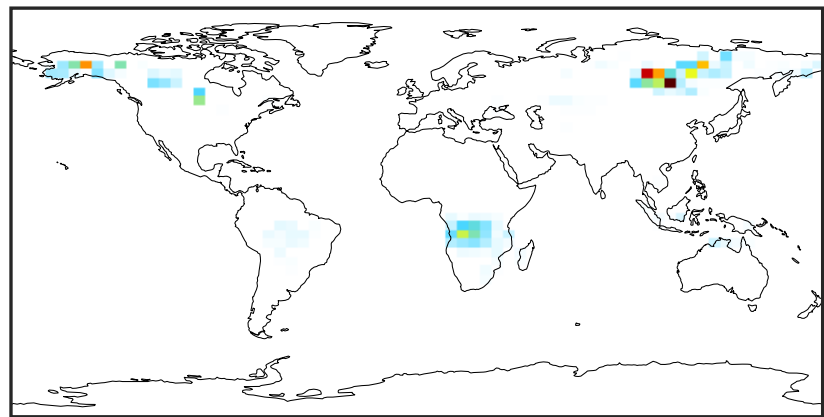
Ratio  
Dev/Ref, Fixed Range



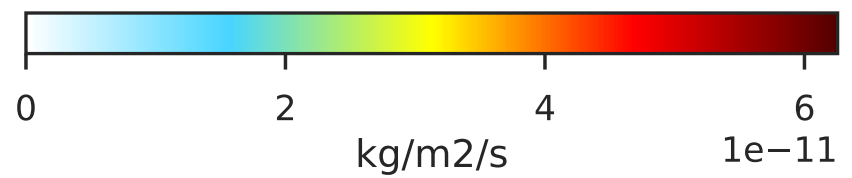
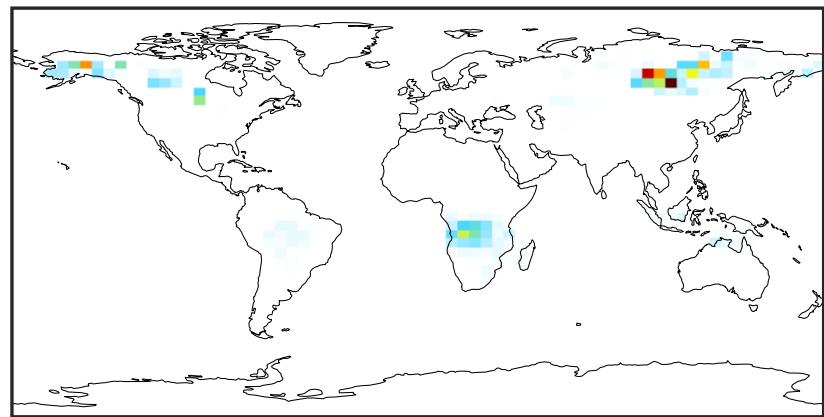
Ref and Dev equal throughout domain  
unitless

# EmisGLYX\_BioBurn (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



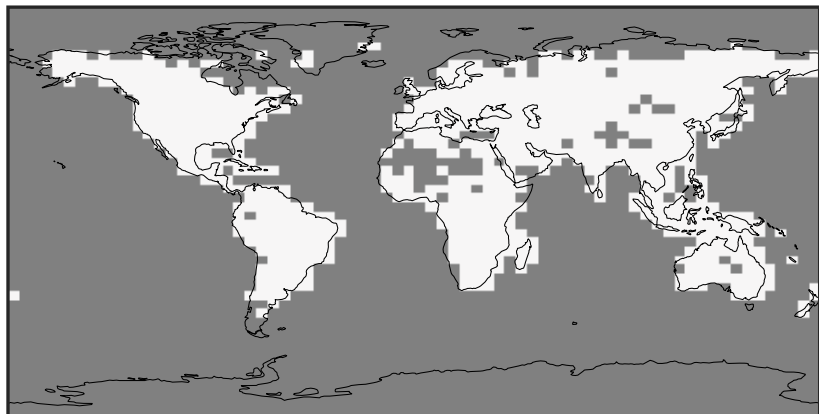
Zero throughout domain  
kg/m2/s

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



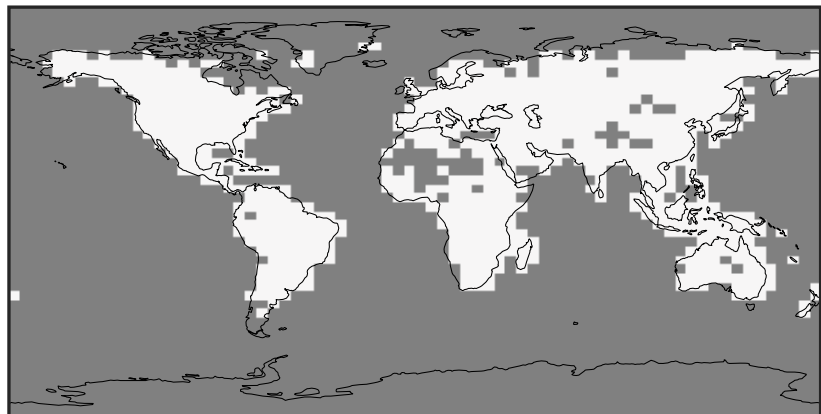
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

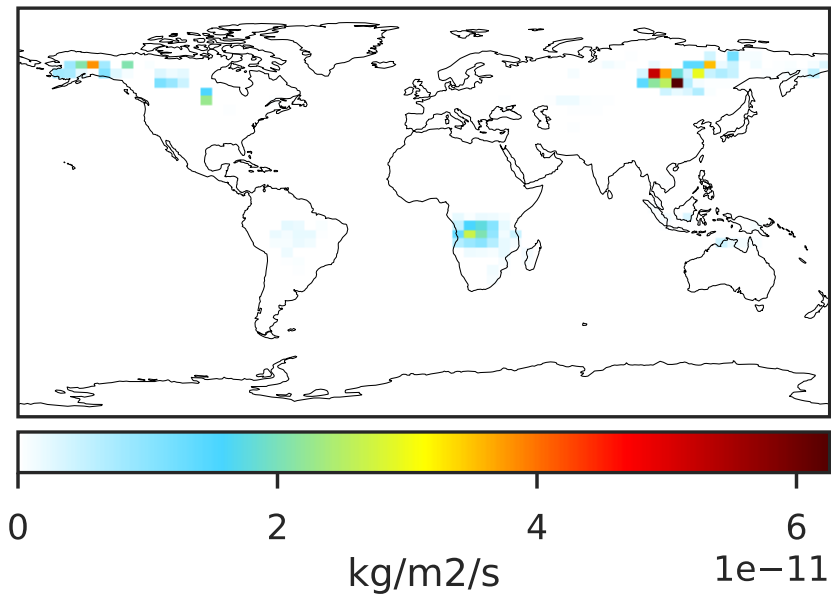
Ratio  
Dev/Ref, Fixed Range



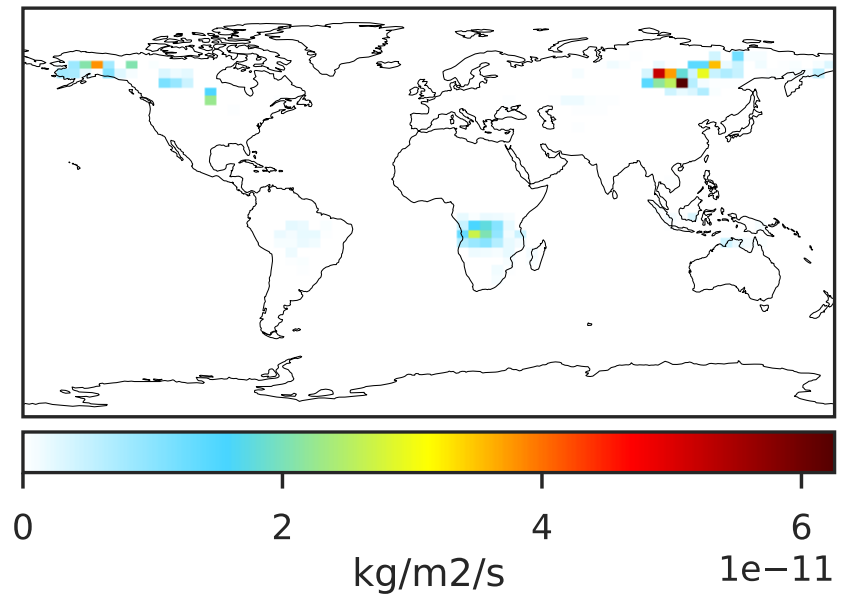
Ref and Dev equal throughout domain  
unitless

# EmisGLYX\_Total (Jul2019)

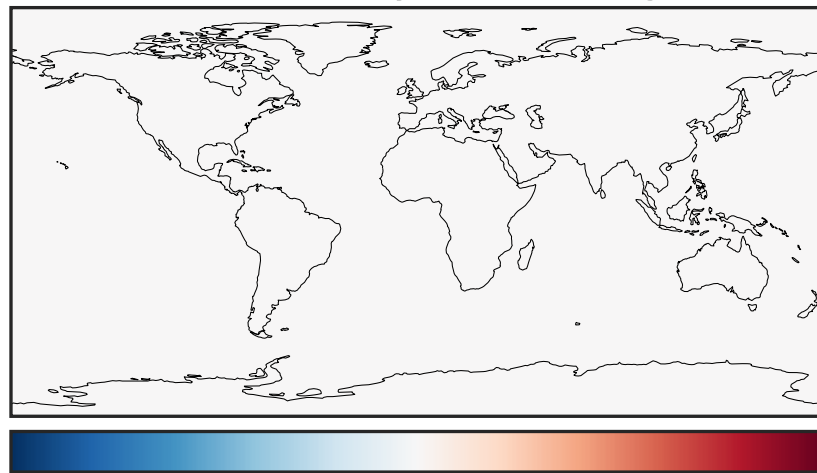
14.2.0-rc.2 (Ref)  
4.0x5.0



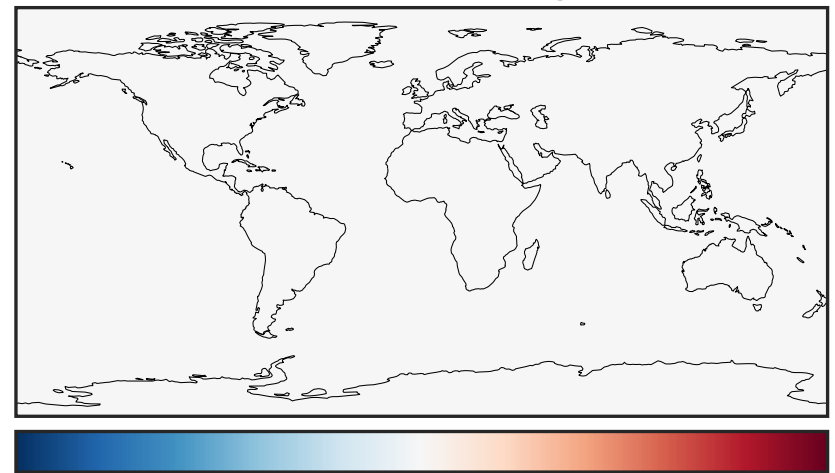
14.3.0-rc.0 (Dev)  
4.0x5.0



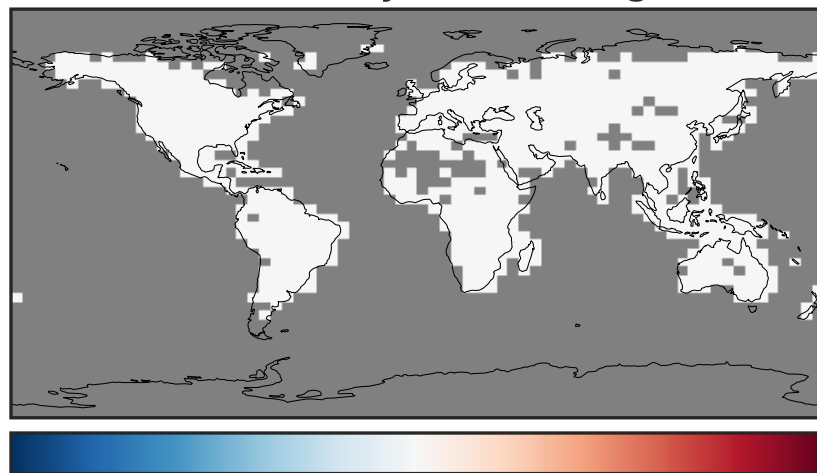
Difference  
Dev - Ref, Dynamic Range



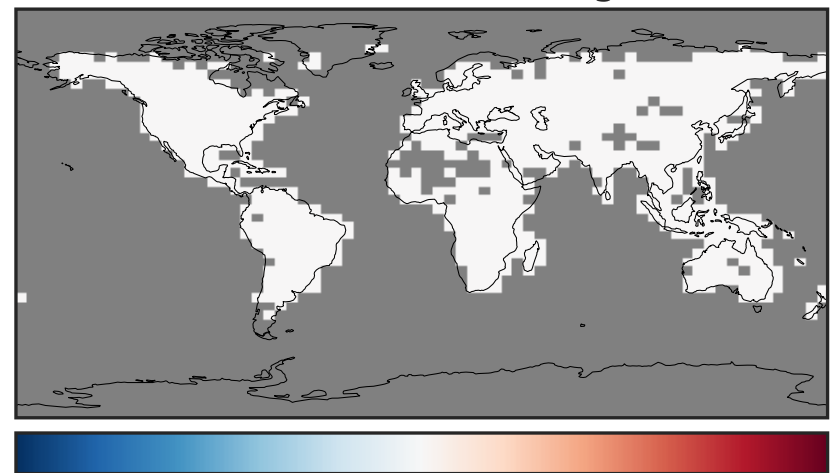
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

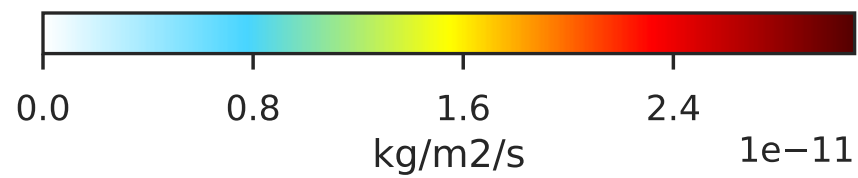
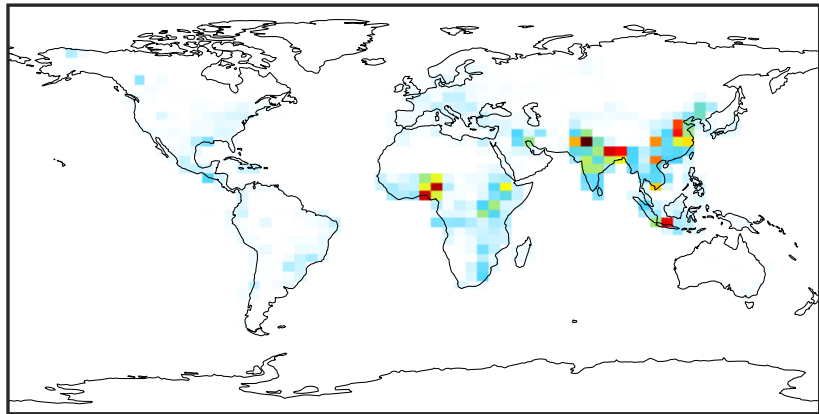


Ratio  
Dev/Ref, Fixed Range

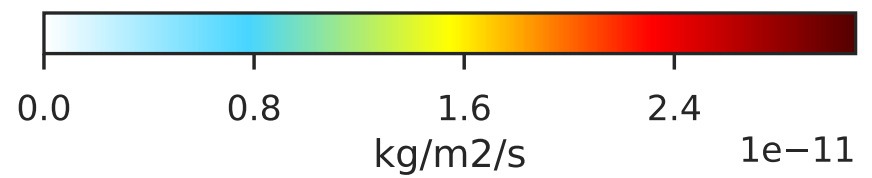
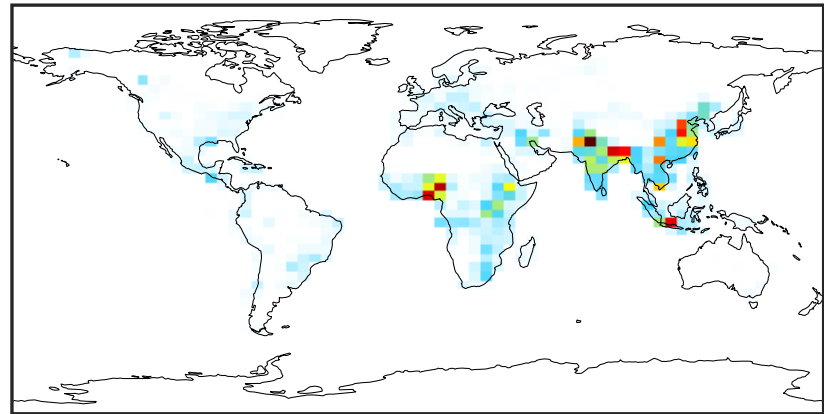


# EmisHCOOH\_Anthro (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



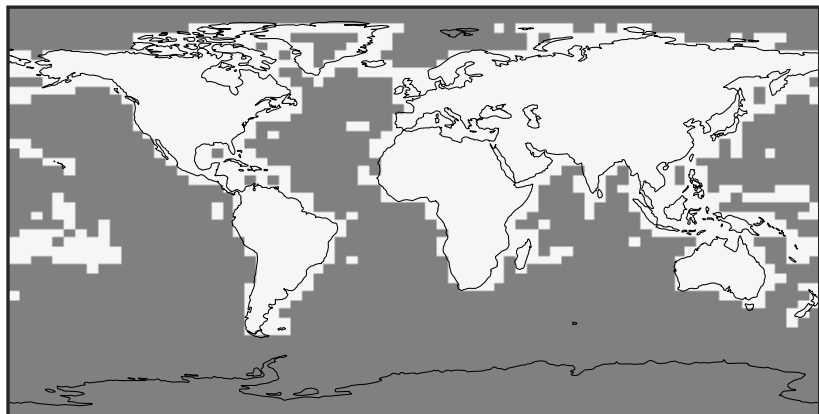
Zero throughout domain  
kg/m2/s

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



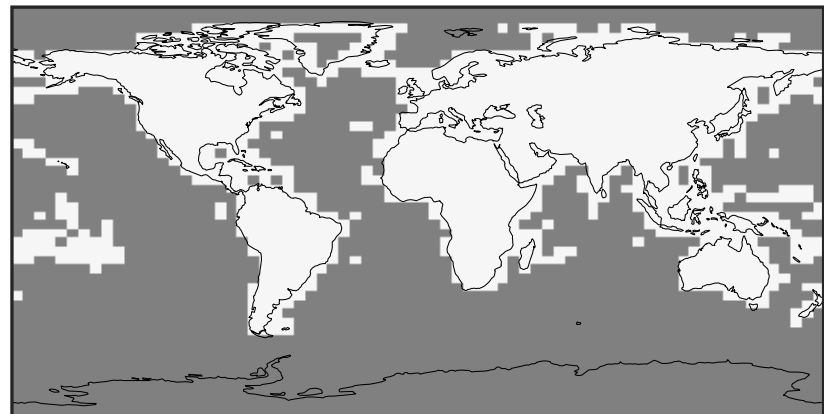
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

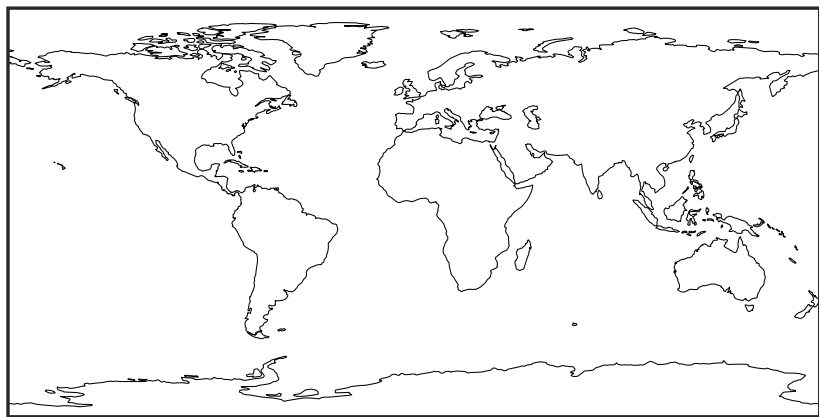
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

# EmisHCOOH\_Ship (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



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

14.3.0-rc.0 (Dev)  
4.0x5.0



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

Difference  
Dev - Ref, Dynamic Range



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

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



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

Ratio  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

Ratio  
Dev/Ref, Fixed Range

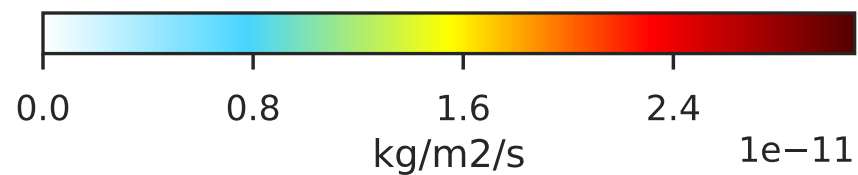
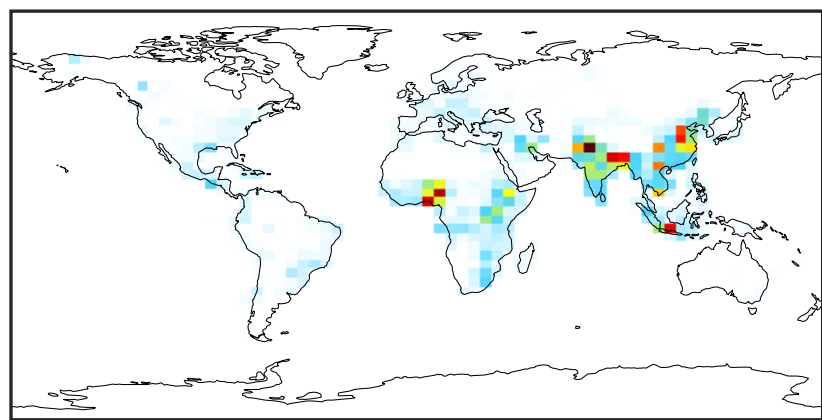


Undefined throughput domain  
unitless

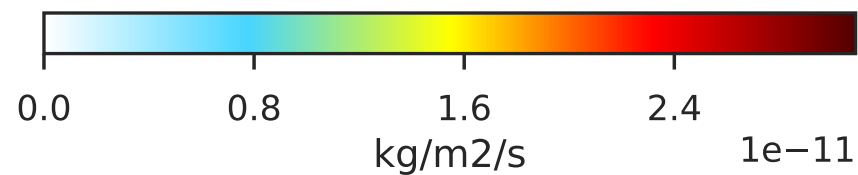
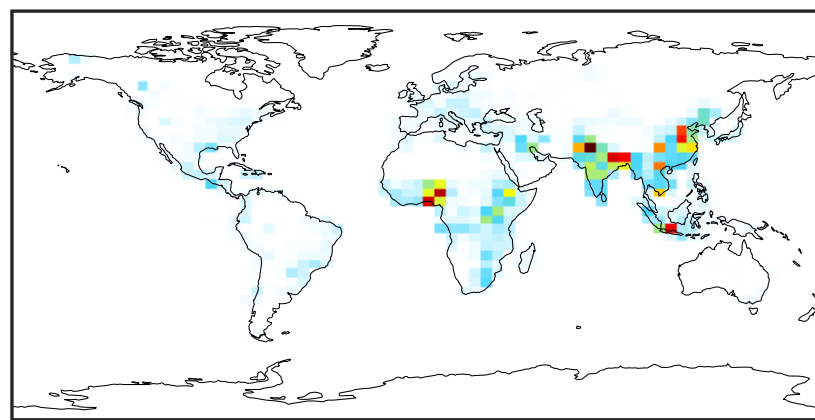


# EmisHCOOH\_Total (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

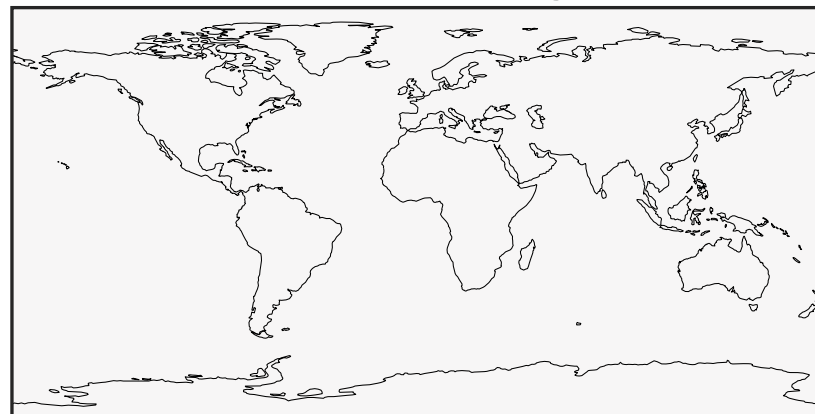


Difference  
Dev - Ref, Dynamic Range



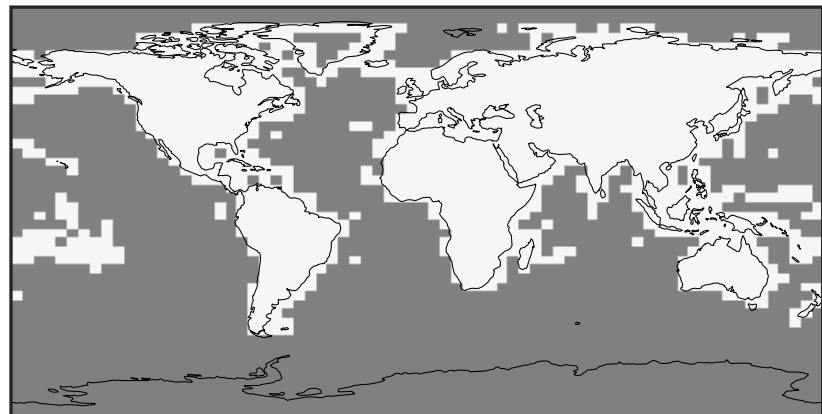
Zero throughout domain  
kg/m2/s

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



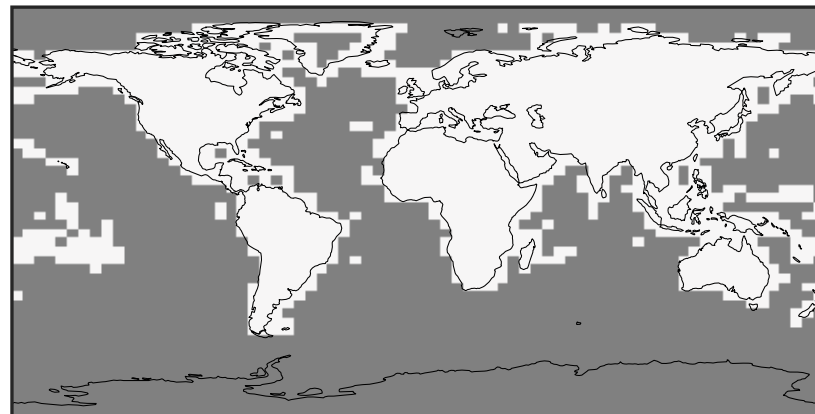
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

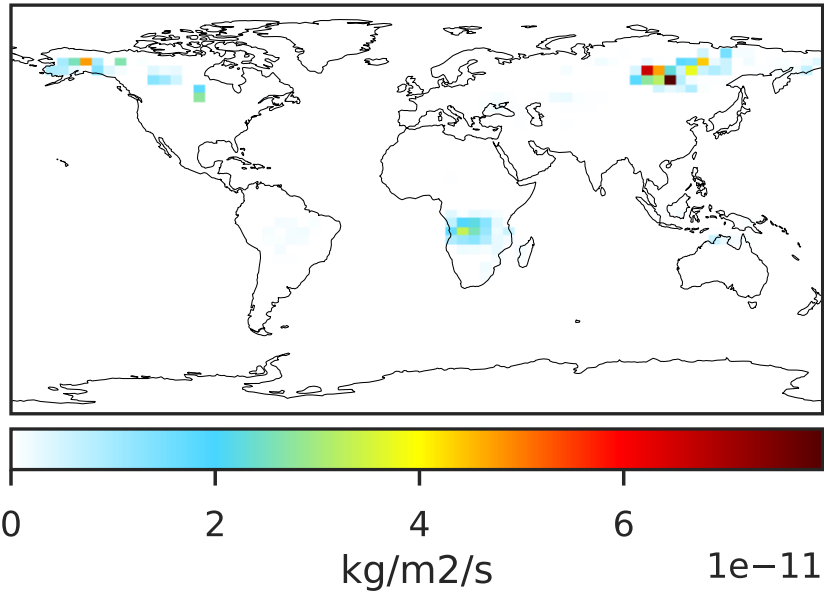
Ratio  
Dev/Ref, Fixed Range



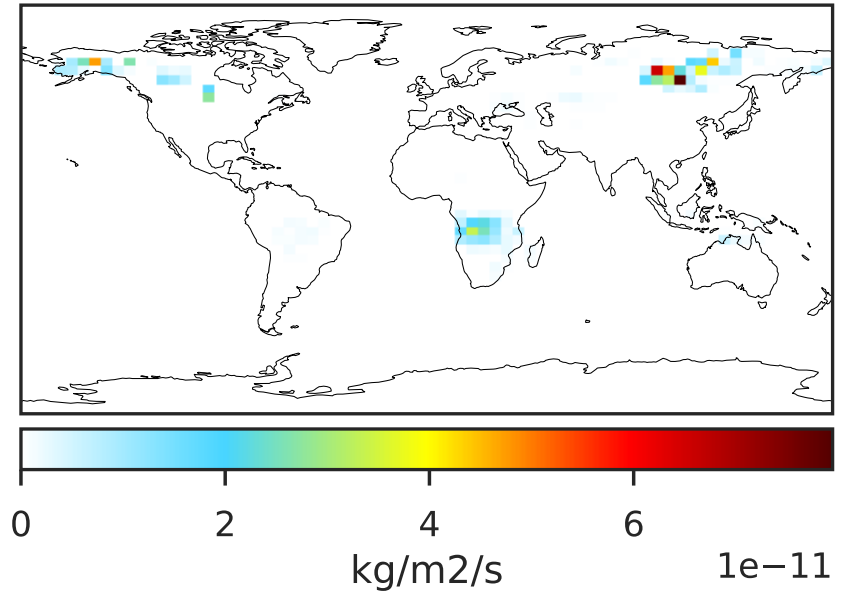
Ref and Dev equal throughout domain  
unitless

# EmisPHEN\_BioBurn (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



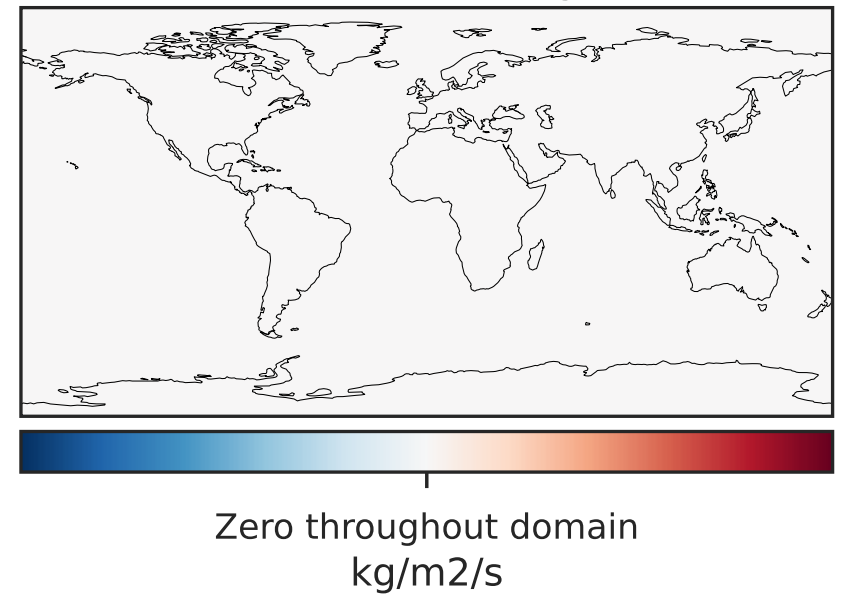
14.3.0-rc.0 (Dev)  
4.0x5.0



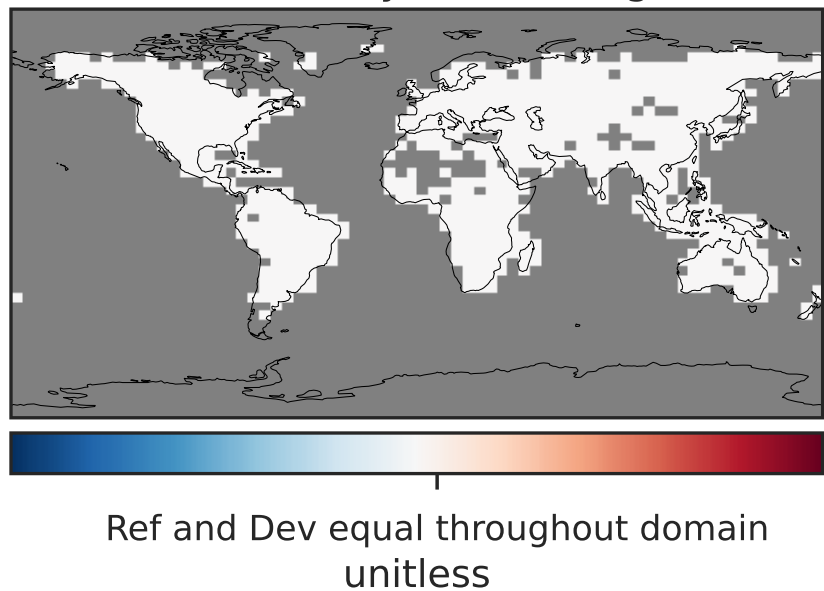
Difference  
Dev - Ref, Dynamic Range



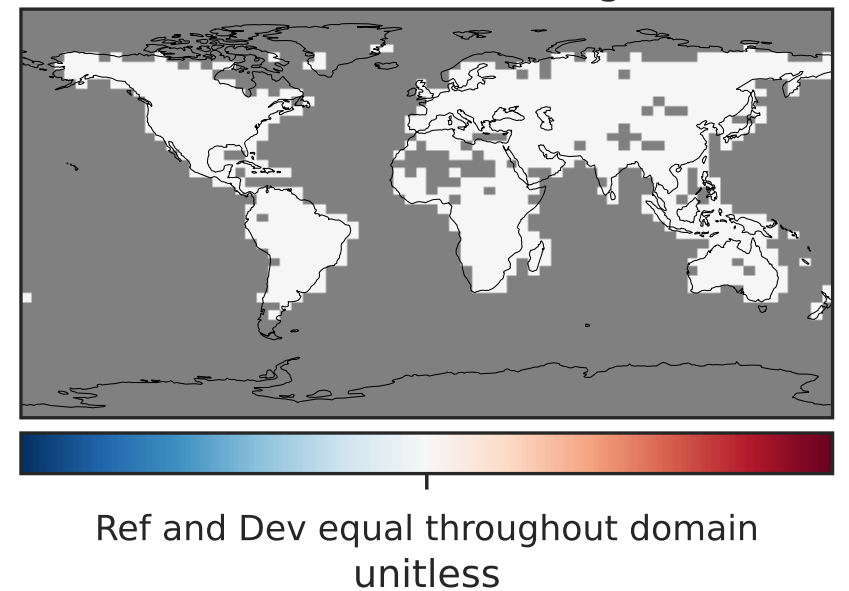
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

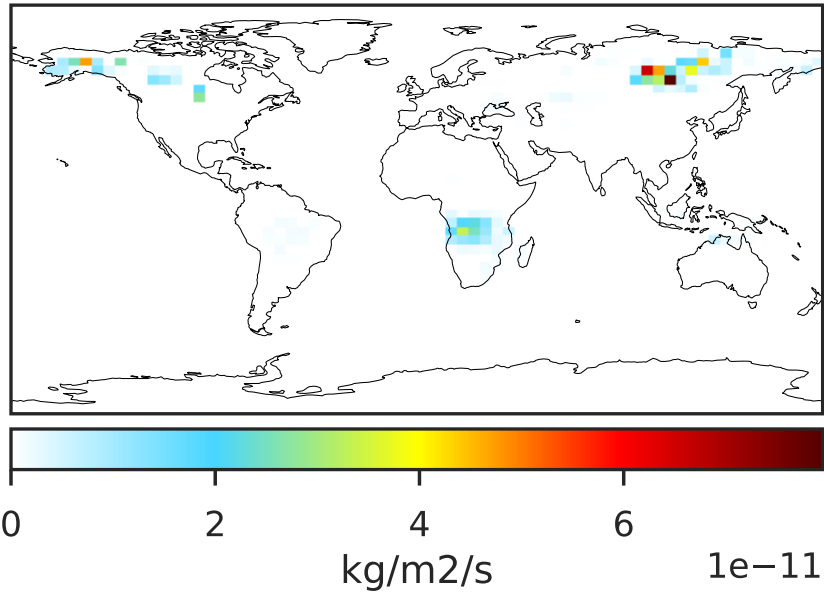


Ratio  
Dev/Ref, Fixed Range

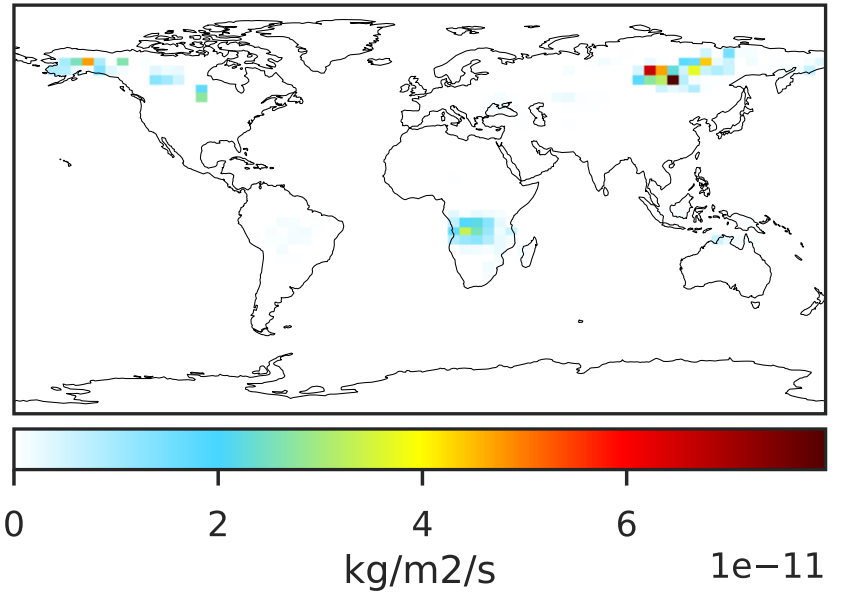


# EmisPHEN\_Total (Jul2019)

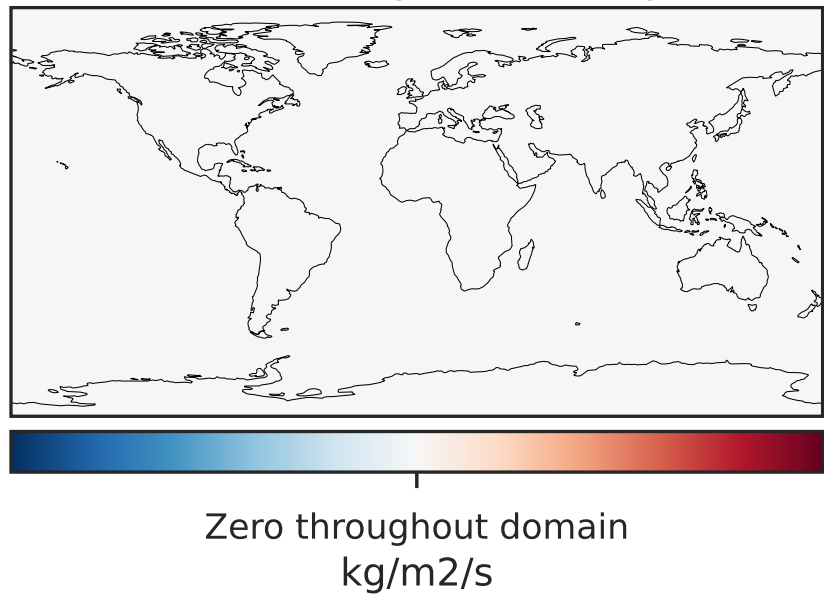
14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

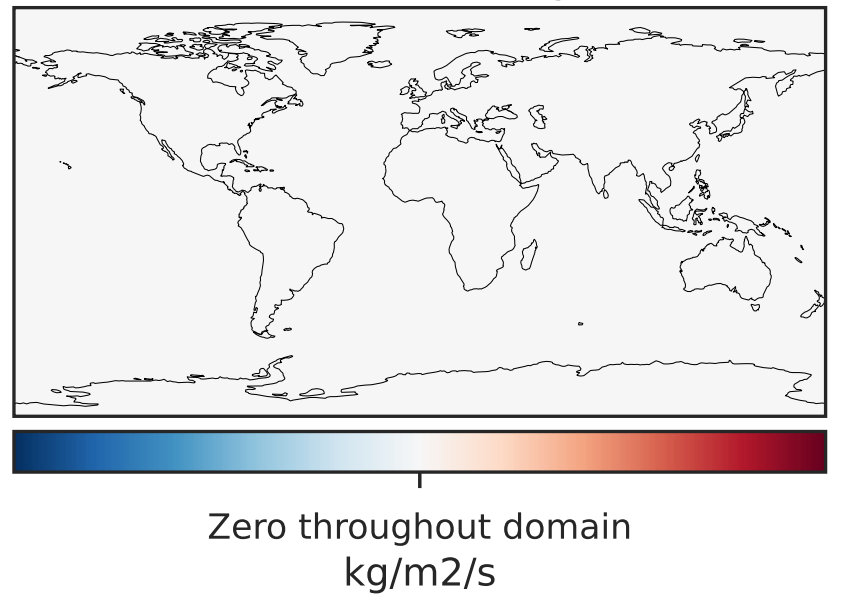


Difference  
Dev - Ref, Dynamic Range



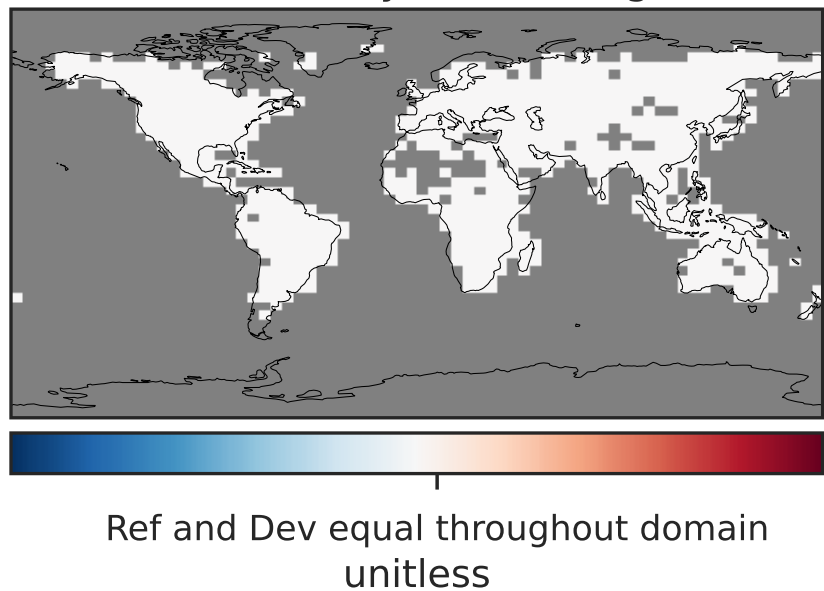
Zero throughout domain  
kg/m2/s

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



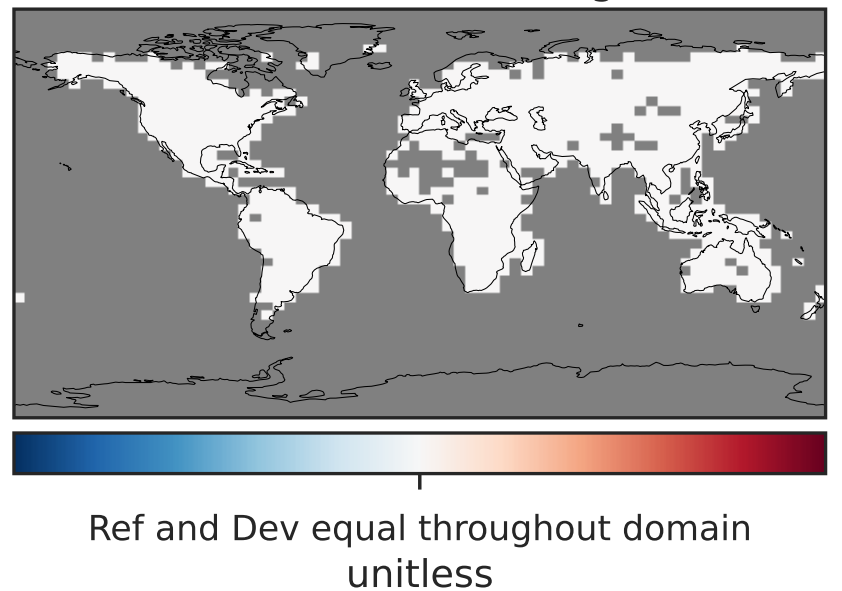
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

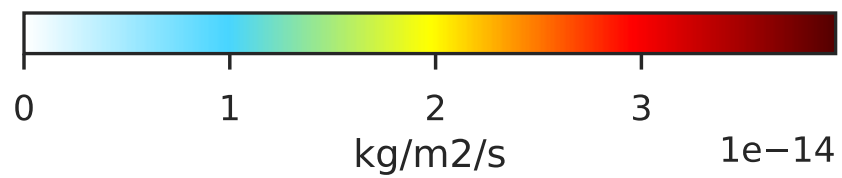
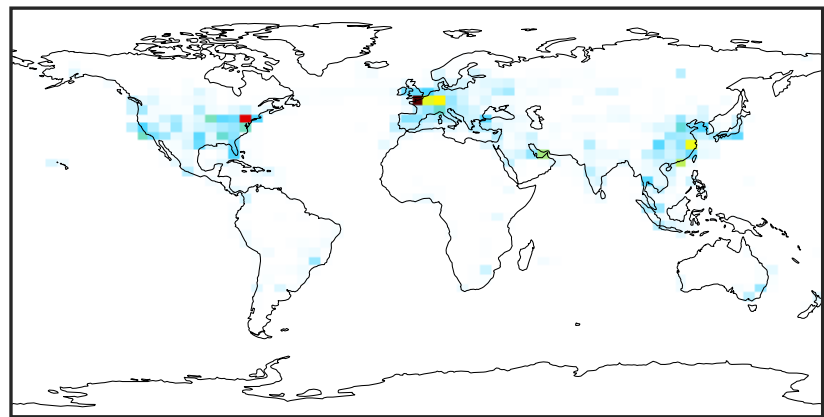
Ratio  
Dev/Ref, Fixed Range



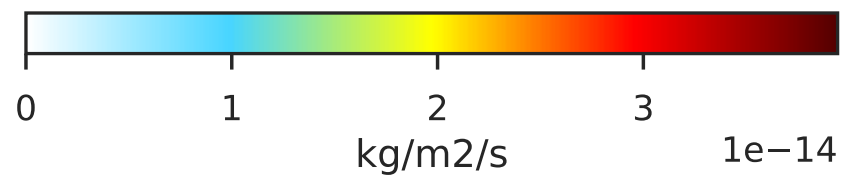
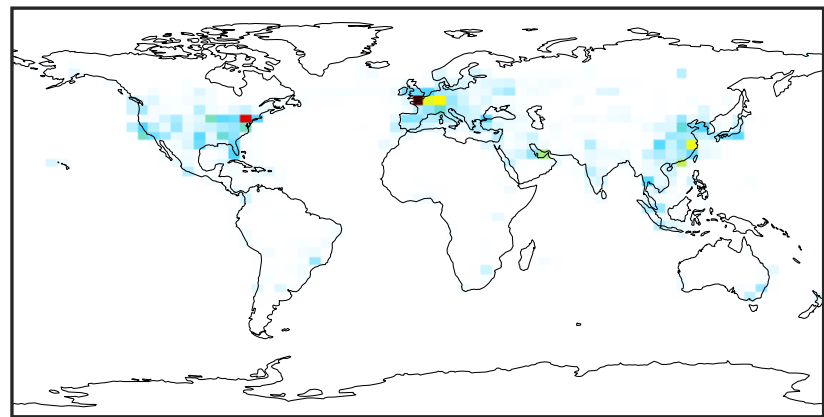
Ref and Dev equal throughout domain  
unitless

# EmisRCHO\_Aircraft (Jul2019)

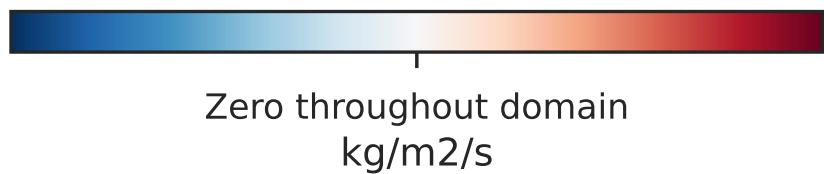
14.2.0-rc.2 (Ref)  
4.0x5.0



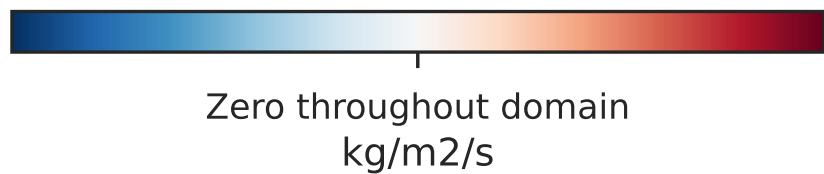
14.3.0-rc.0 (Dev)  
4.0x5.0



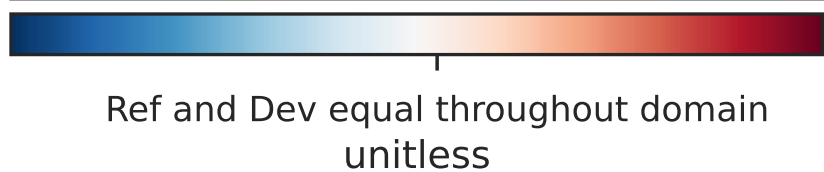
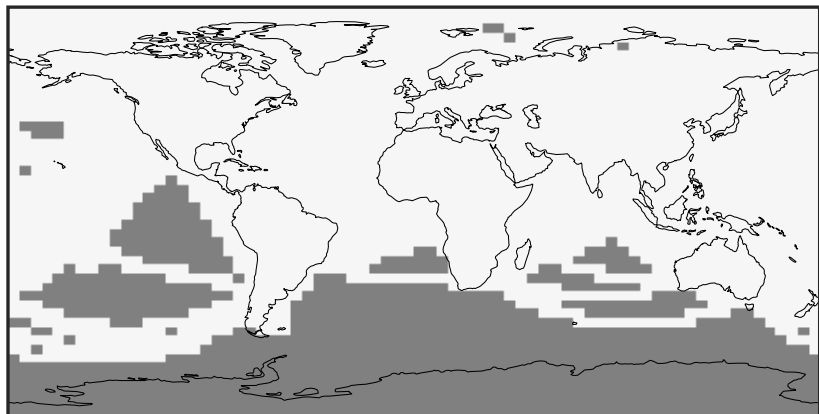
Difference  
Dev - Ref, Dynamic Range



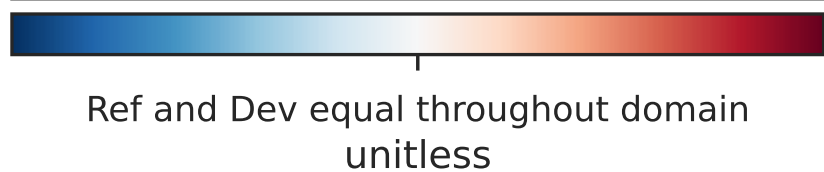
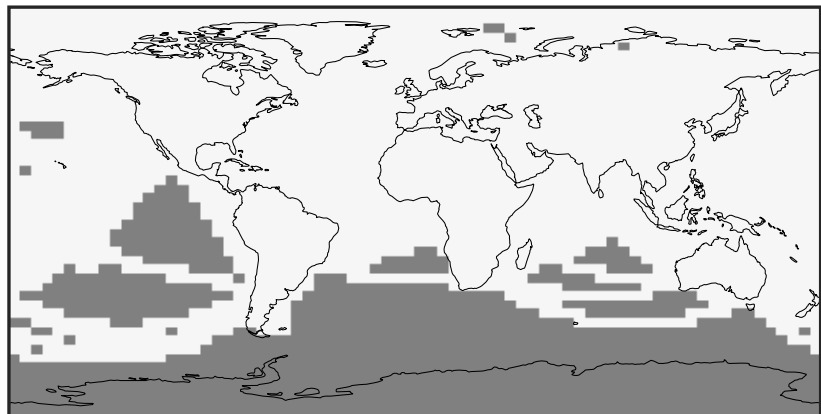
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

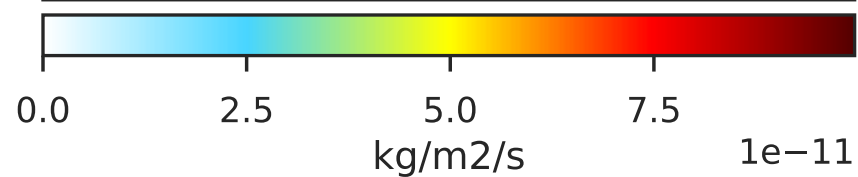
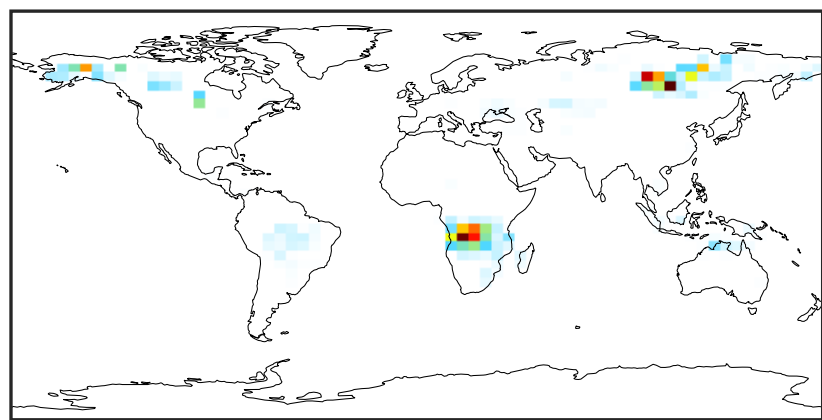


Ratio  
Dev/Ref, Fixed Range

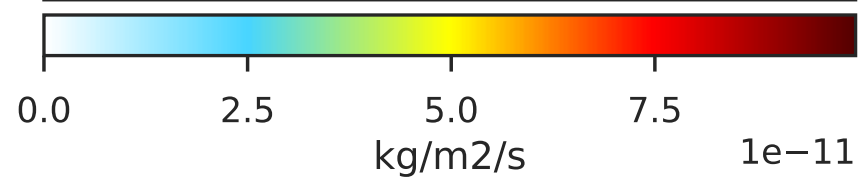
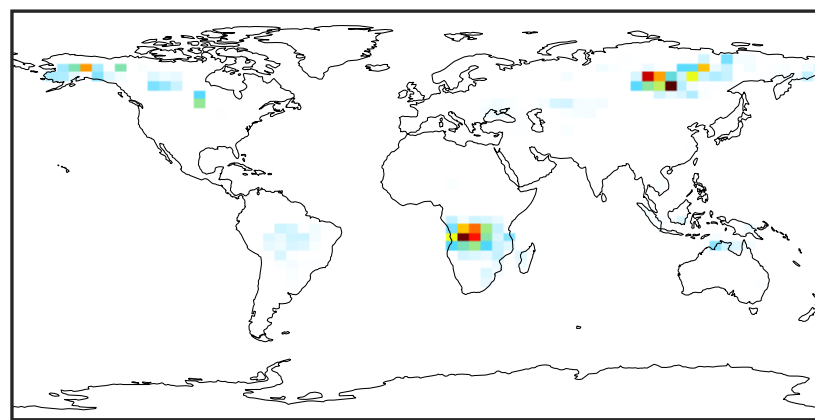


# EmisRCHO\_BioBurn (Jul2019)

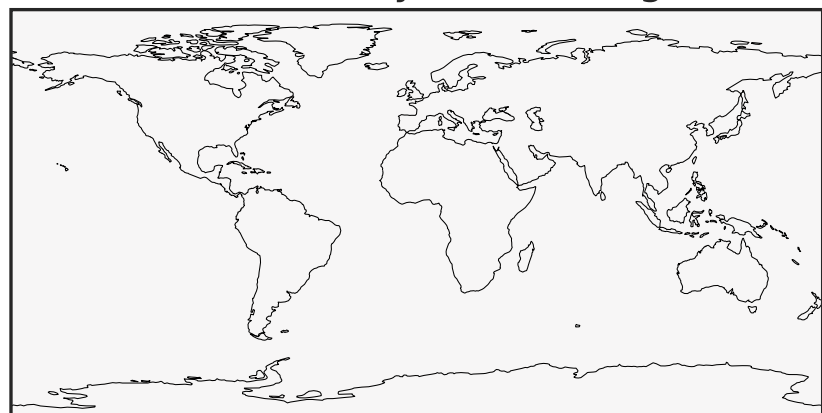
14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0

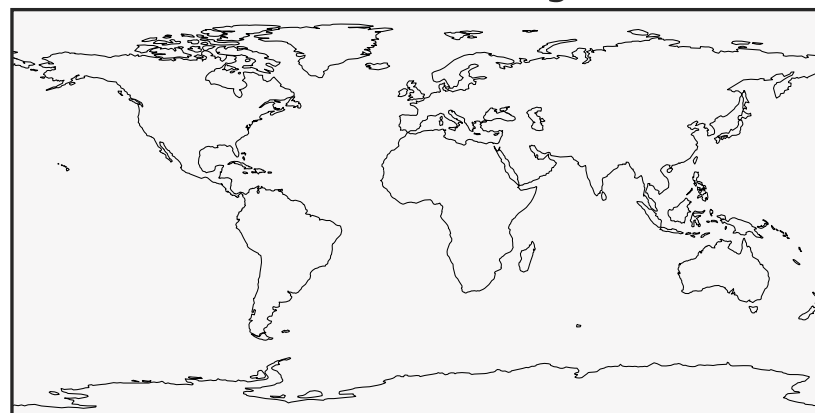


Difference  
Dev - Ref, Dynamic Range



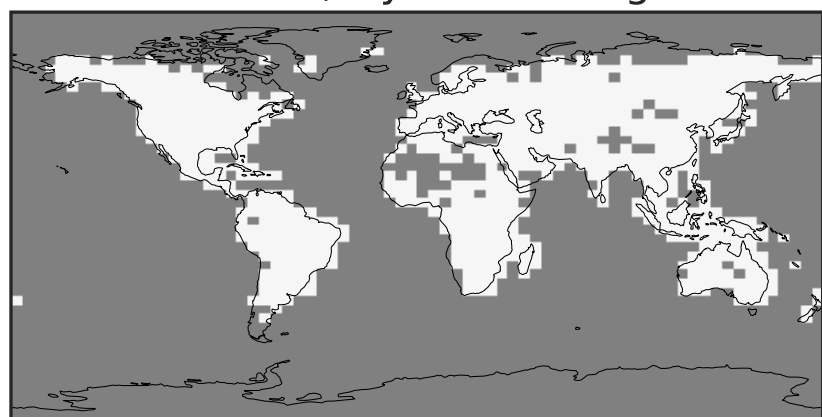
Zero throughout domain  
kg/m2/s

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



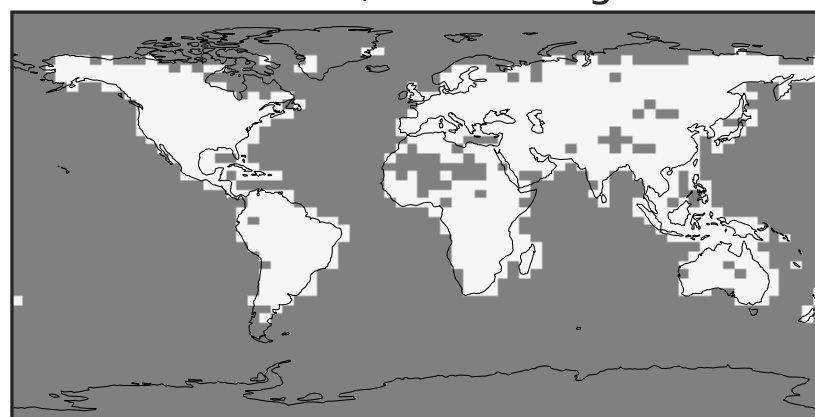
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

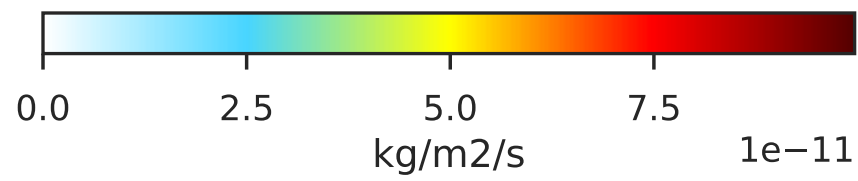
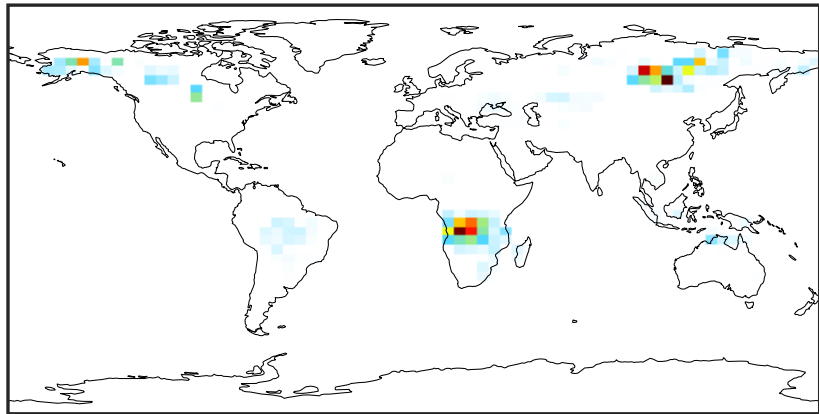
Ratio  
Dev/Ref, Fixed Range



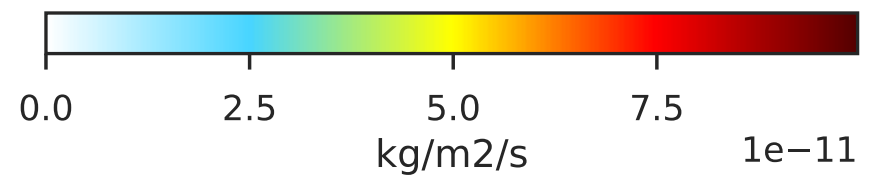
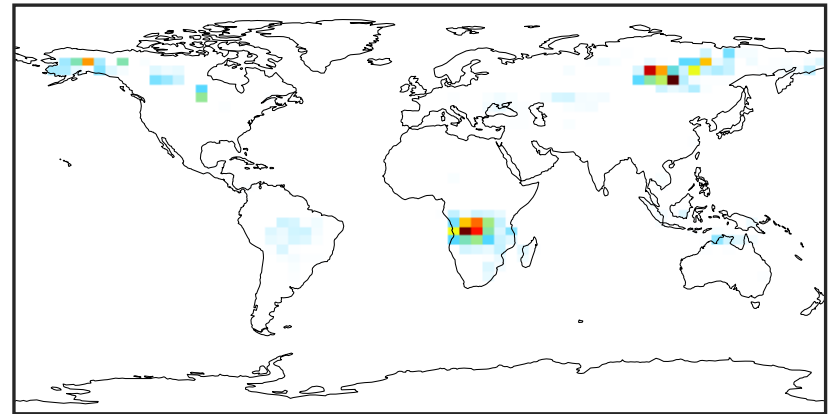
Ref and Dev equal throughout domain  
unitless

# EmisRCHO\_Total (Jul2019)

14.2.0-rc.2 (Ref)  
4.0x5.0



14.3.0-rc.0 (Dev)  
4.0x5.0



Difference  
Dev - Ref, Dynamic Range



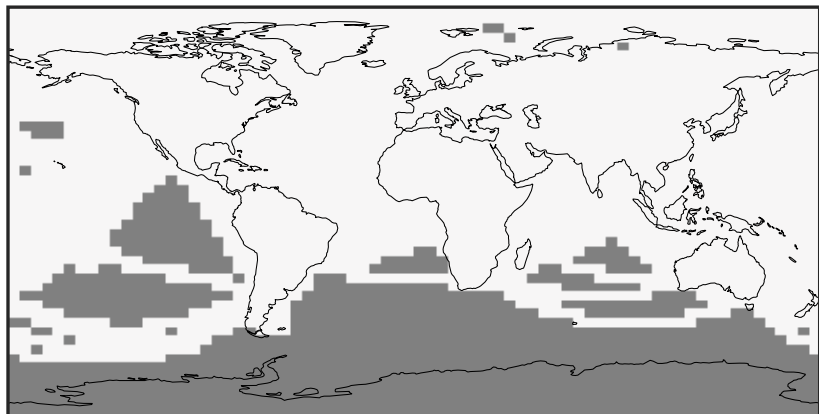
Zero throughout domain  
kg/m2/s

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



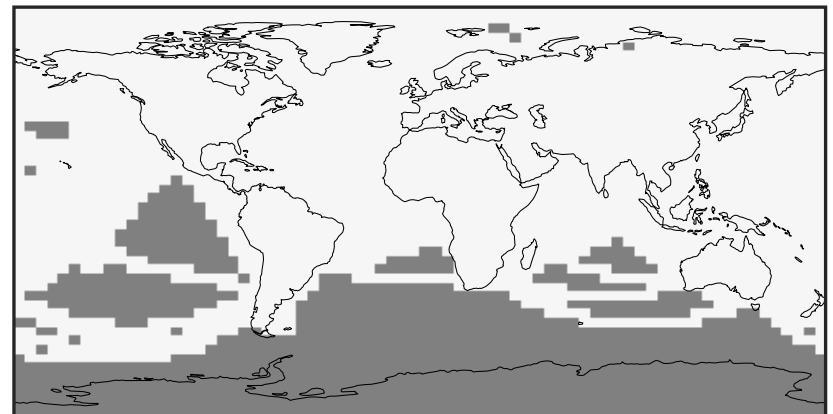
Zero throughout domain  
kg/m2/s

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless