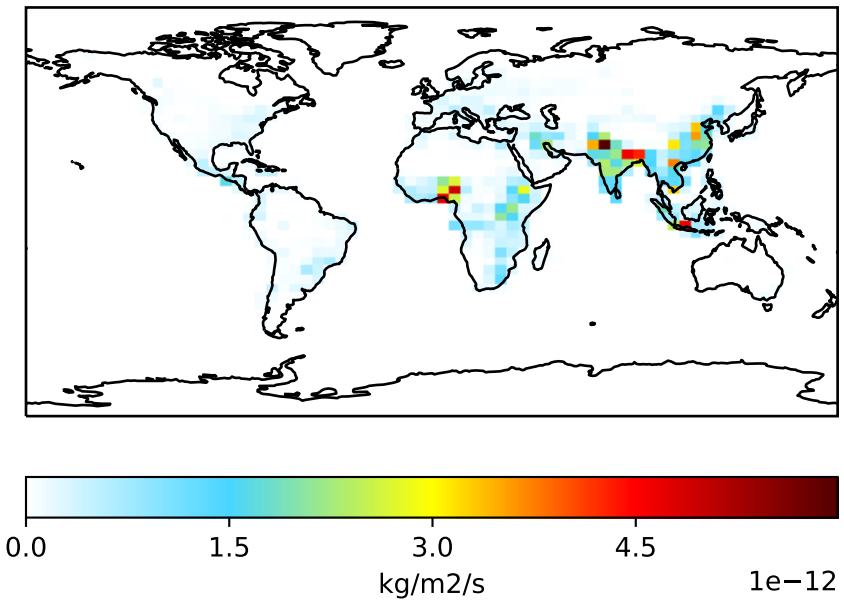
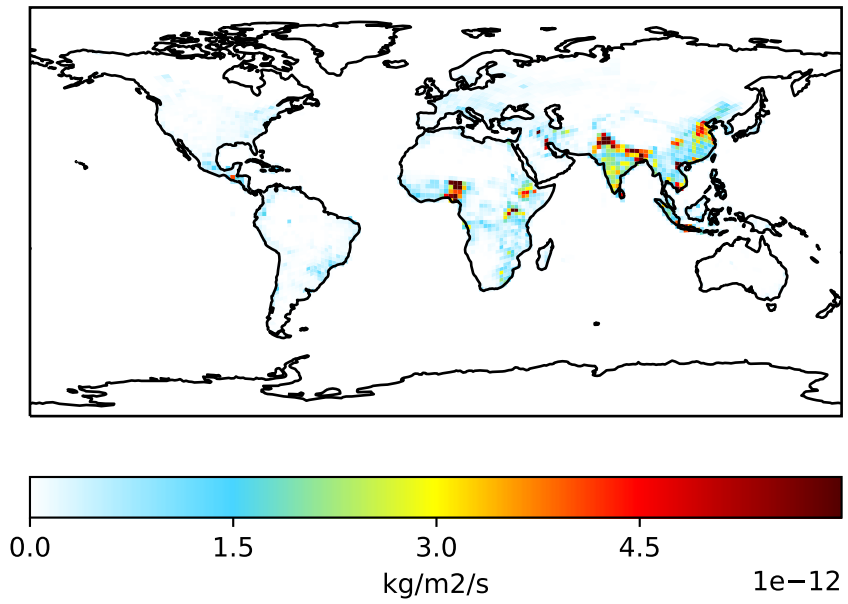
EmisALD2_Anthro

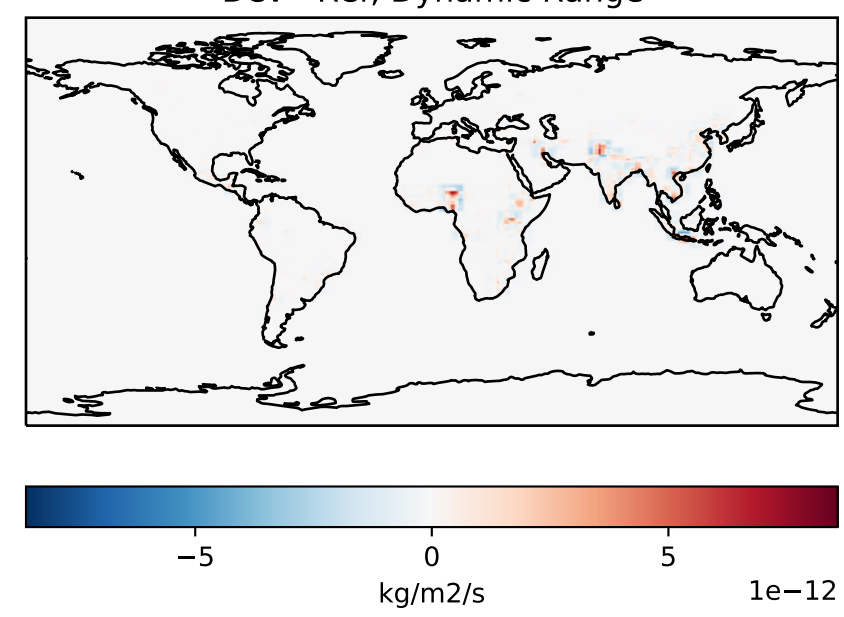
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



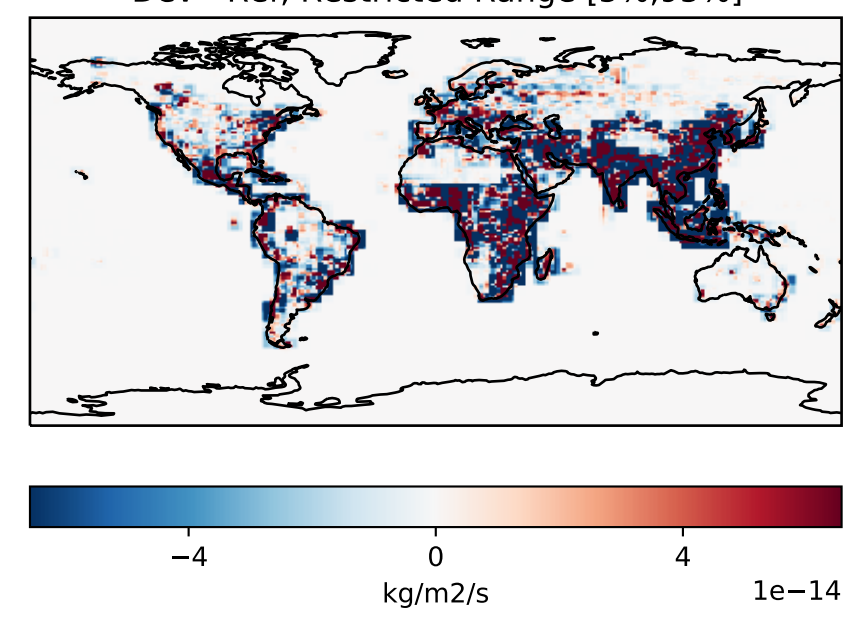
GCHP_13.3.0-rc.1 (Dev)
c48



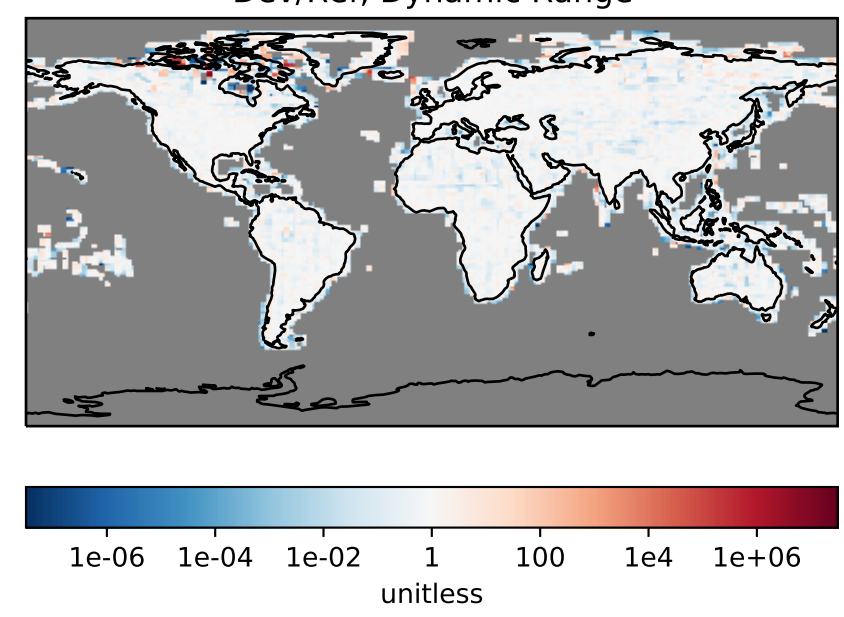
Difference (1x1.25)
Dev - Ref, Dynamic Range



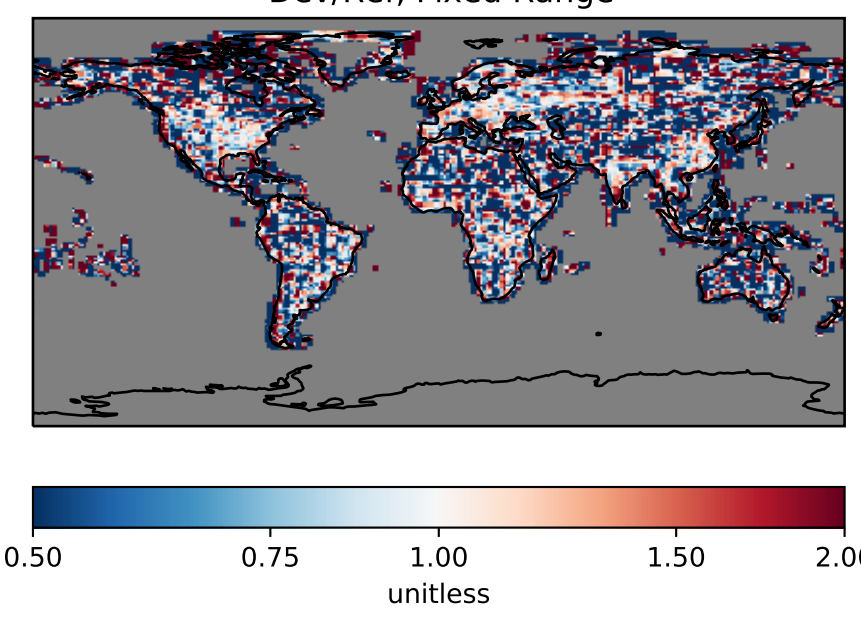
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

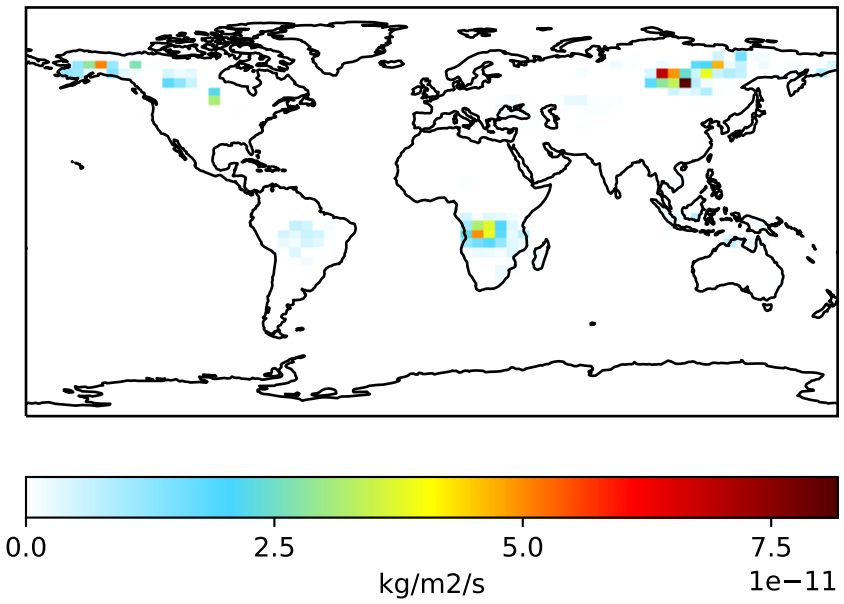


Ratio (1x1.25)
Dev/Ref, Fixed Range

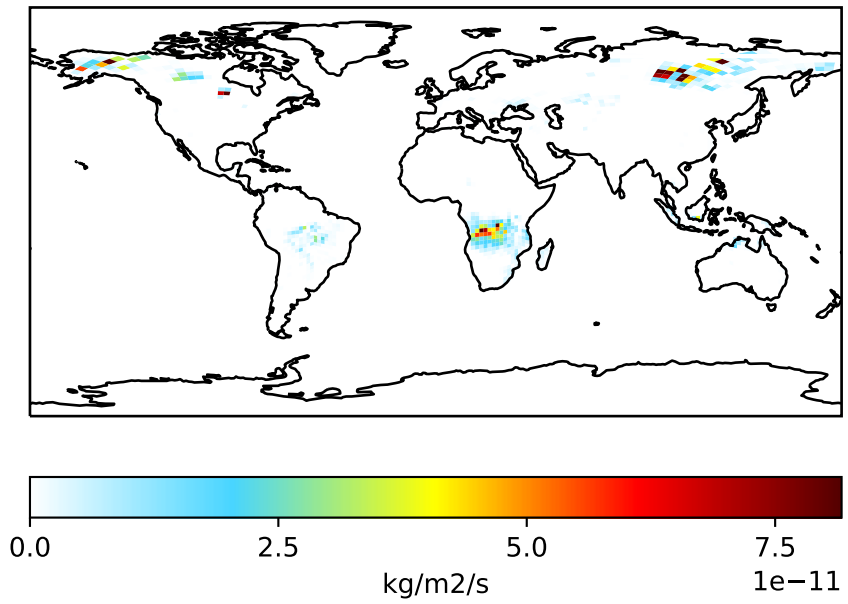


EmisALD2_BioBurn

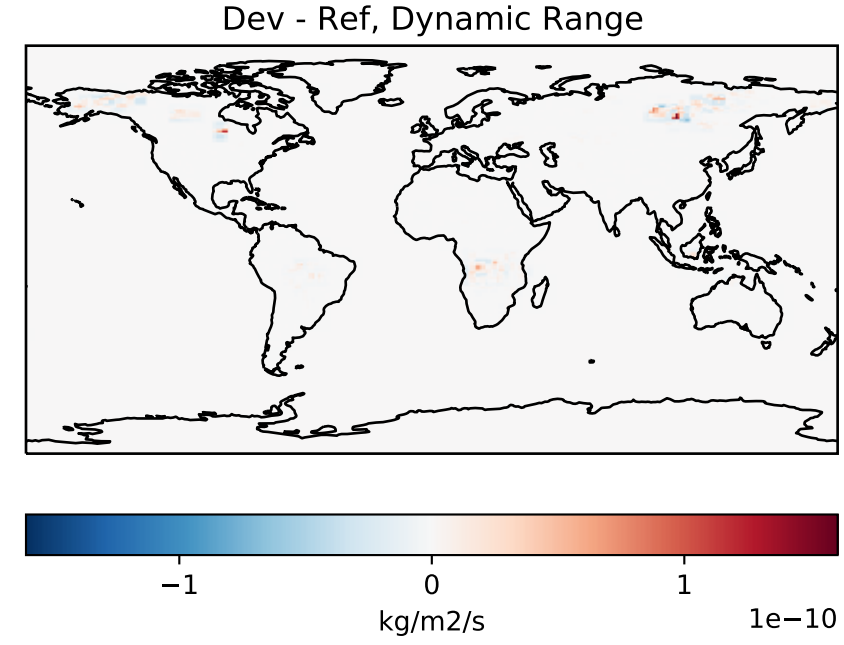
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



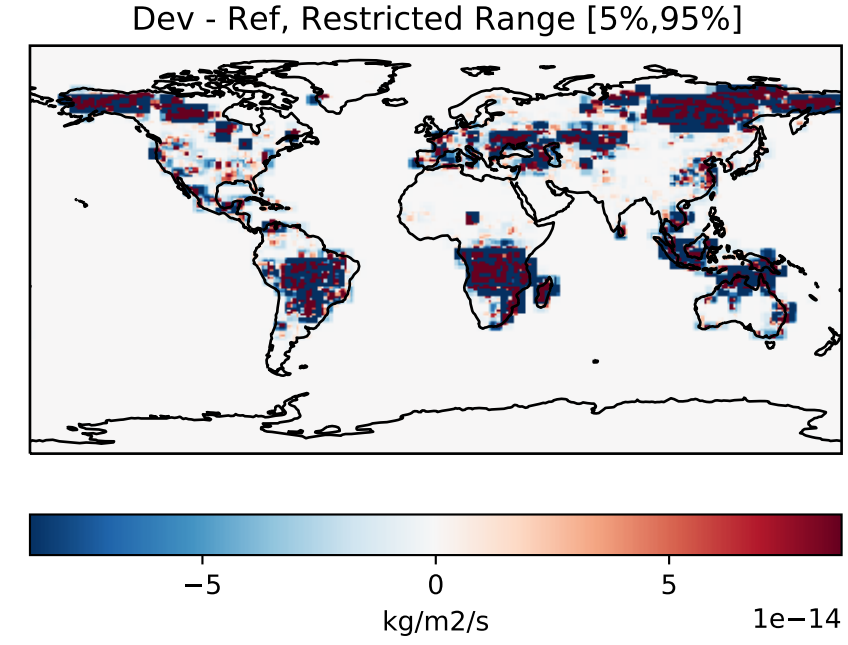
GCHP_13.3.0-rc.1 (Dev)
c48



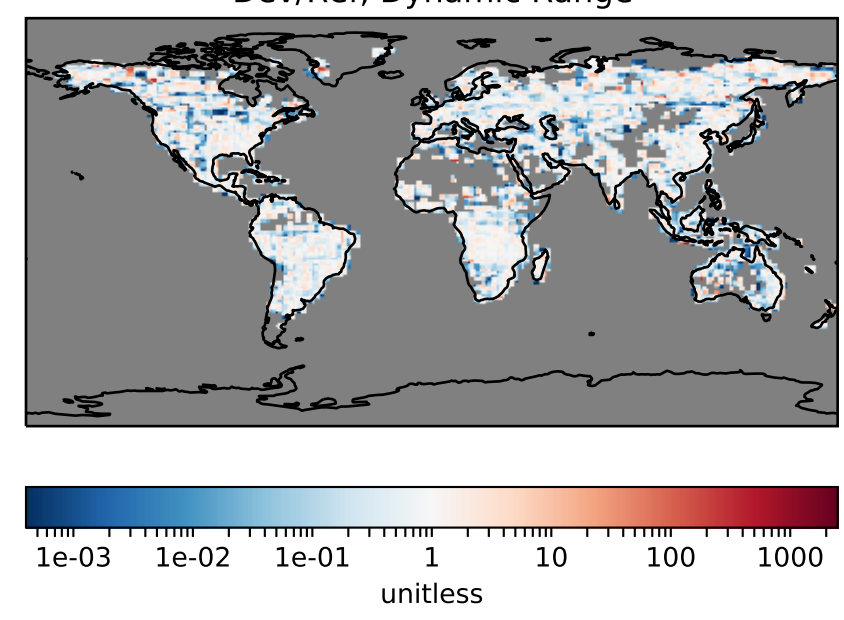
Difference (1x1.25)
Dev - Ref, Dynamic Range



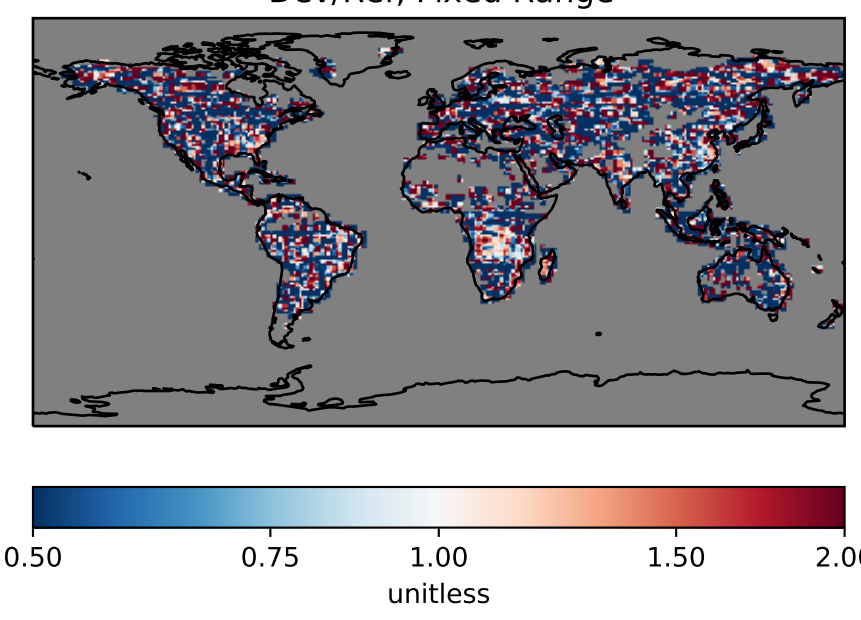
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

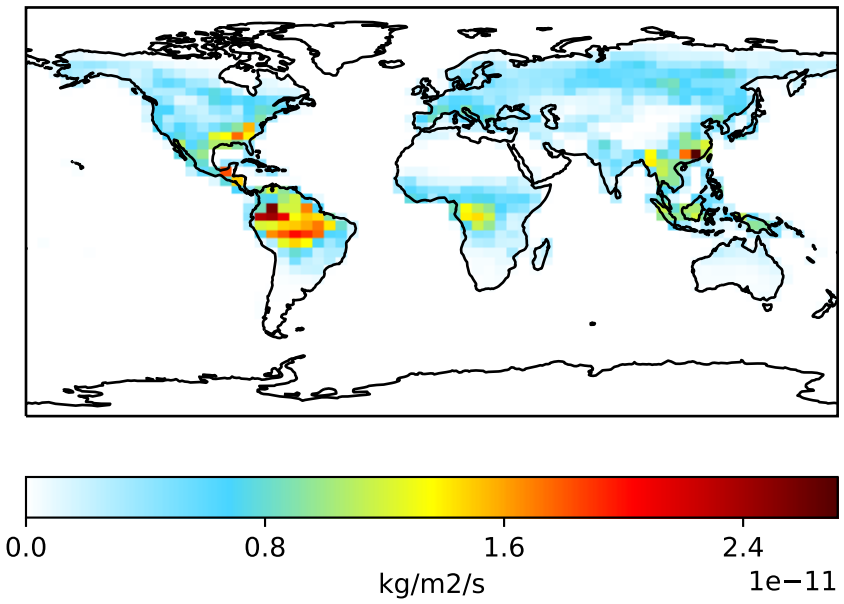


Ratio (1x1.25)
Dev/Ref, Fixed Range

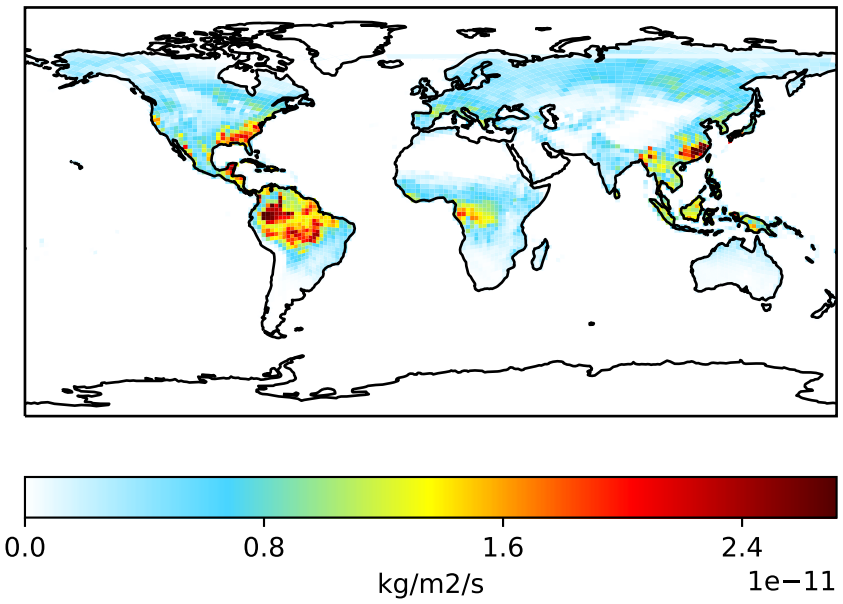


EmisALD2_Biogenic

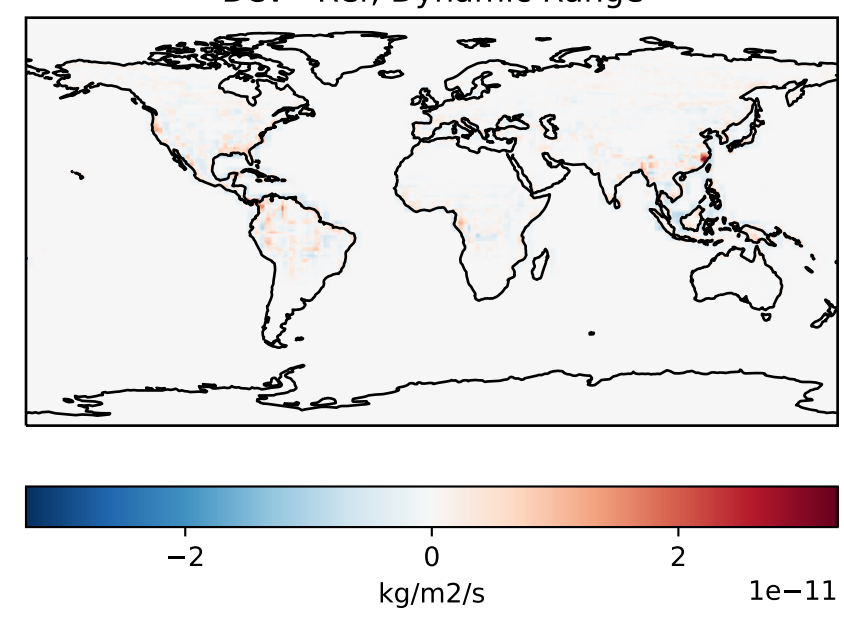
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



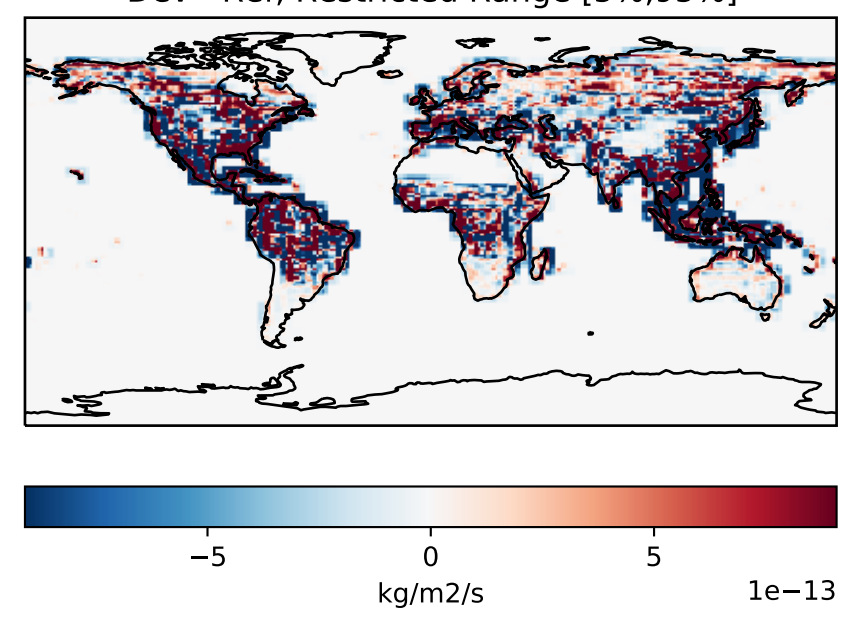
GCHP_13.3.0-rc.1 (Dev)
c48



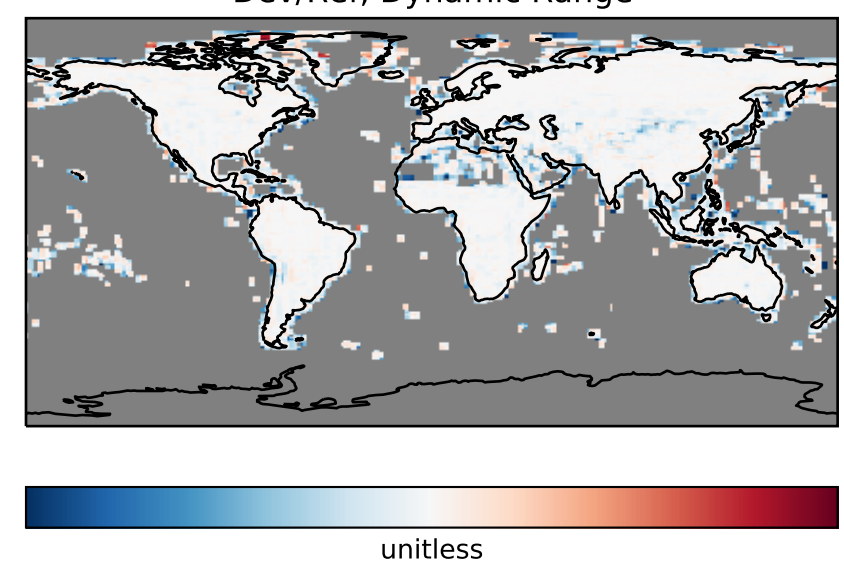
Difference (1x1.25)
Dev - Ref, Dynamic Range



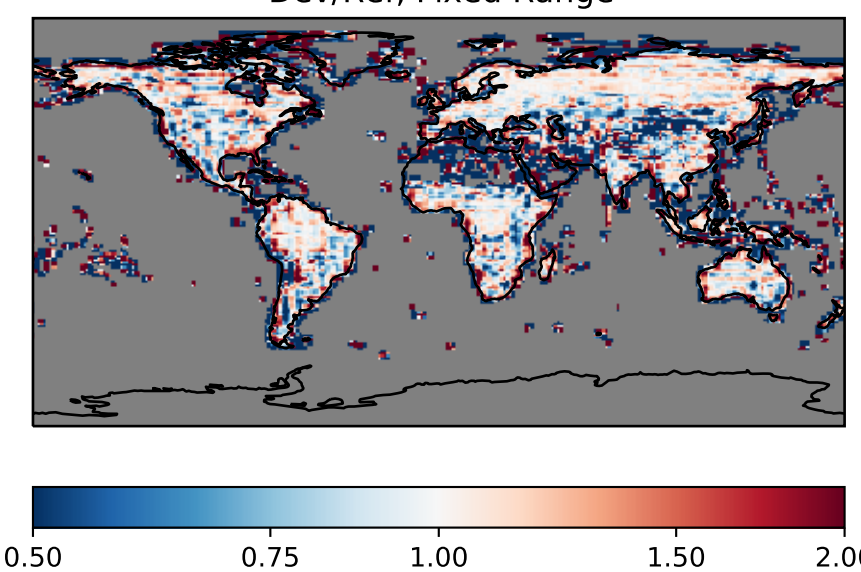
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

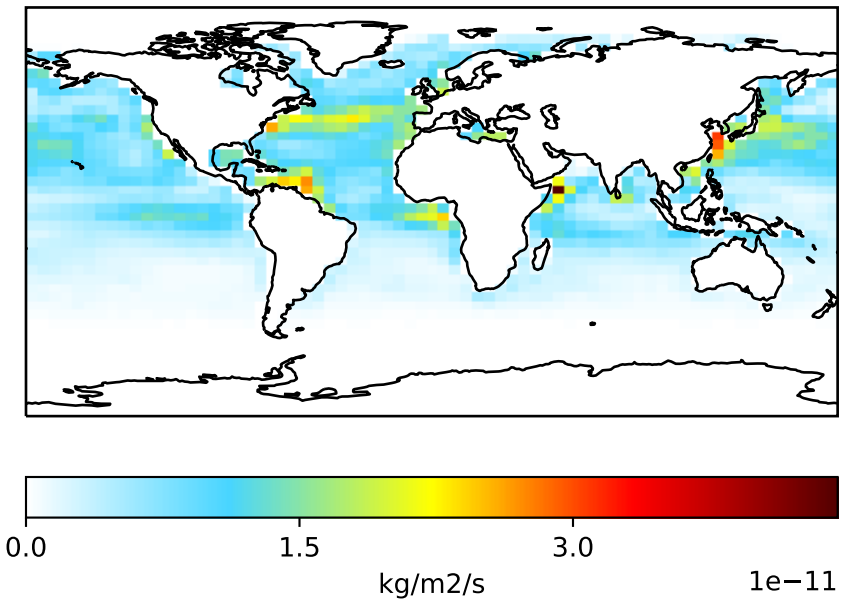


Ratio (1x1.25)
Dev/Ref, Fixed Range

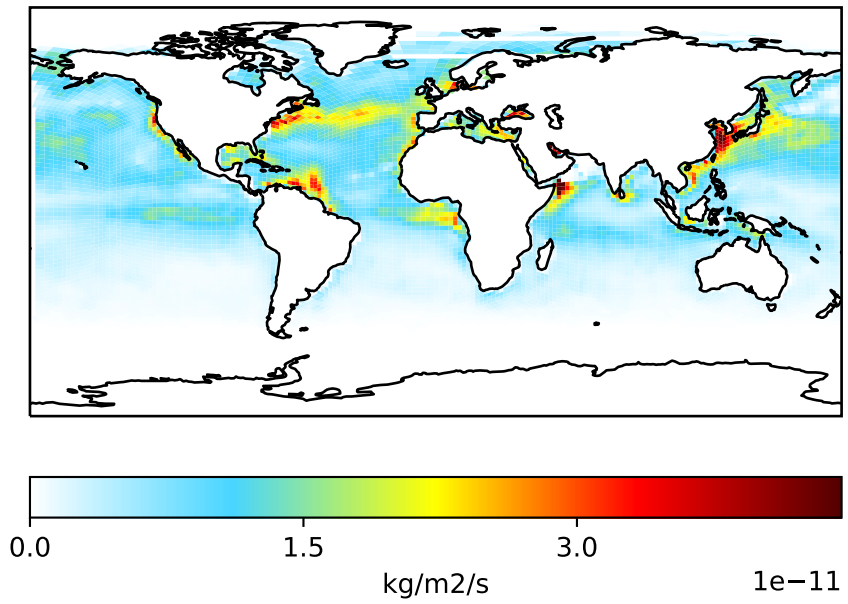


EmisALD2_Ocean

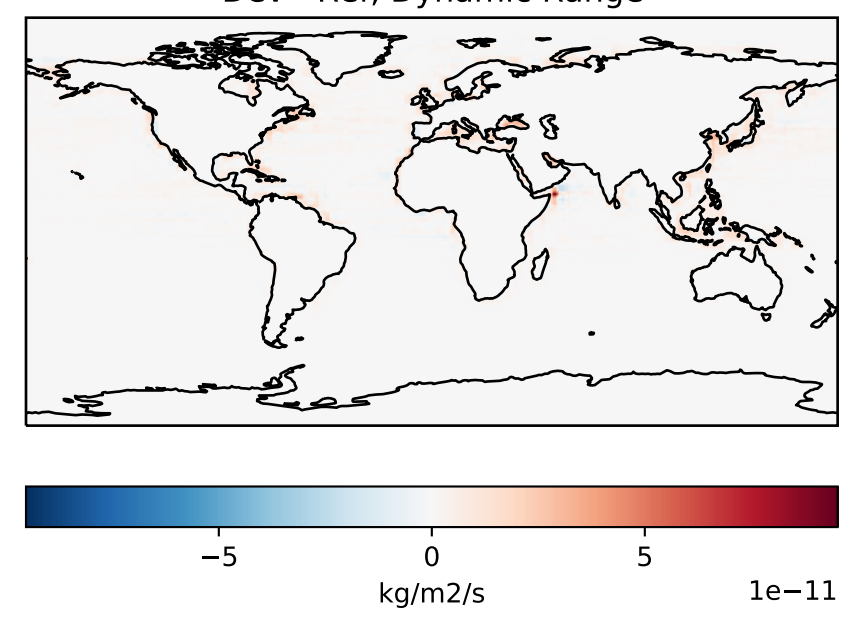
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



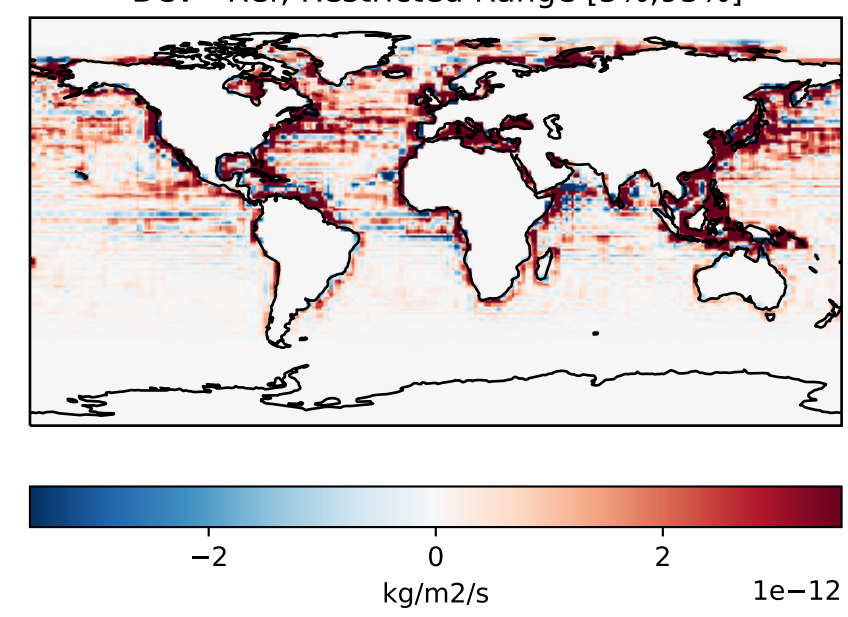
GCHP_13.3.0-rc.1 (Dev)
c48



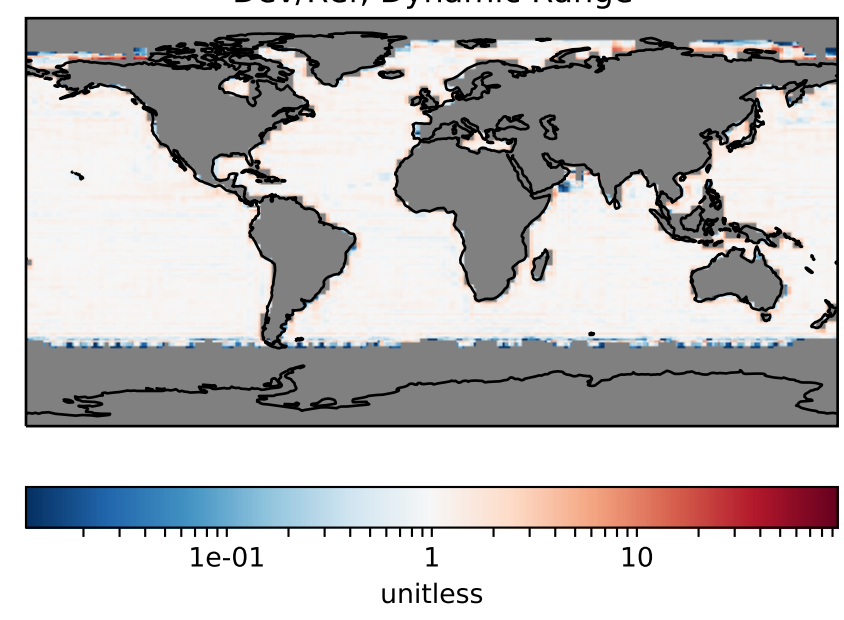
Difference (1x1.25)
Dev - Ref, Dynamic Range



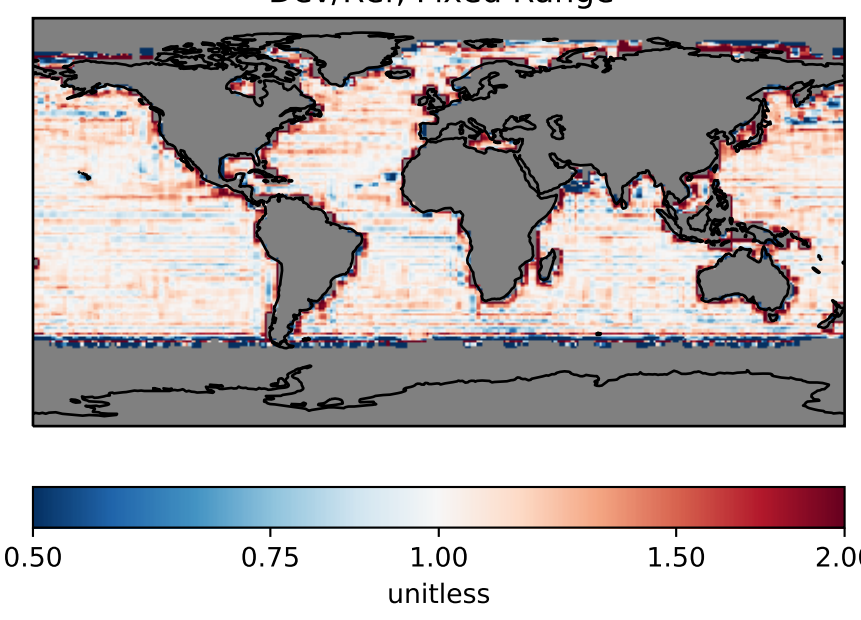
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

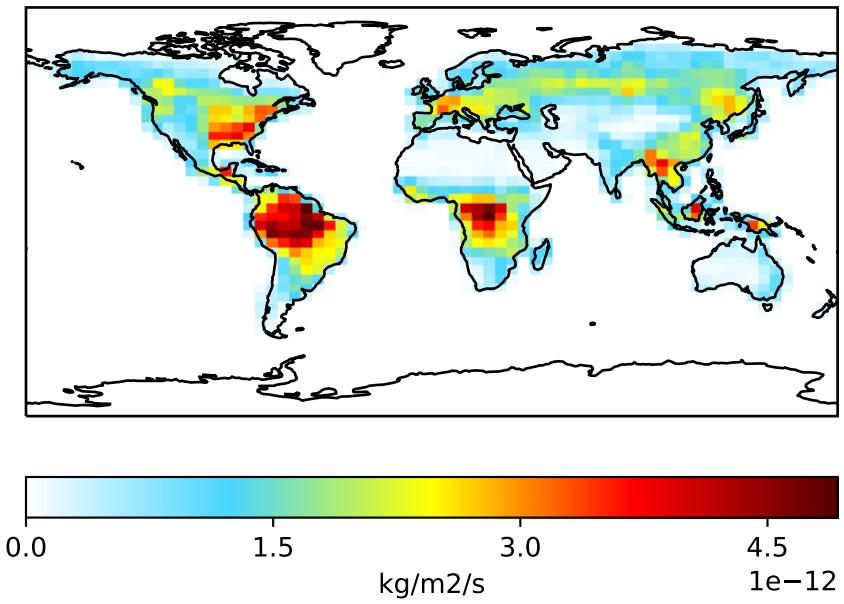


Ratio (1x1.25)
Dev/Ref, Fixed Range

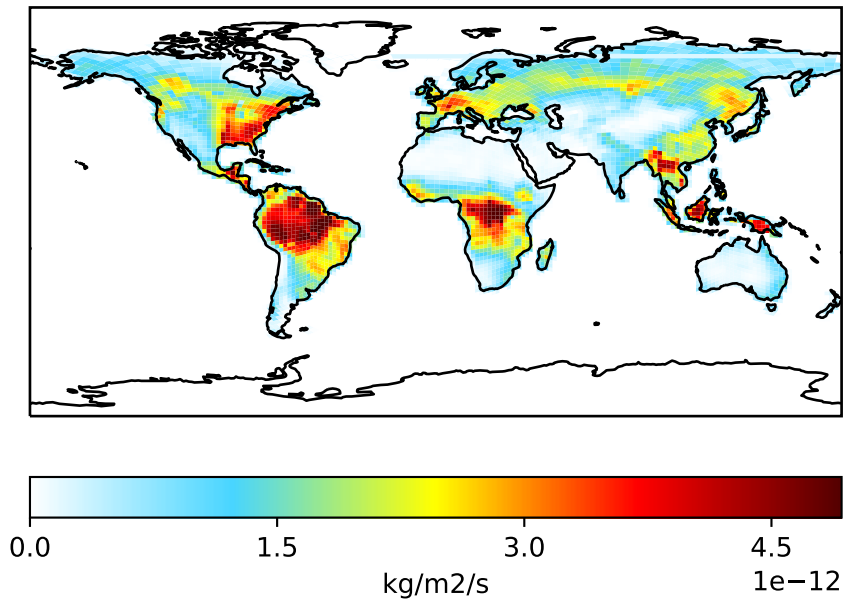


EmisALD2_PlantDecay

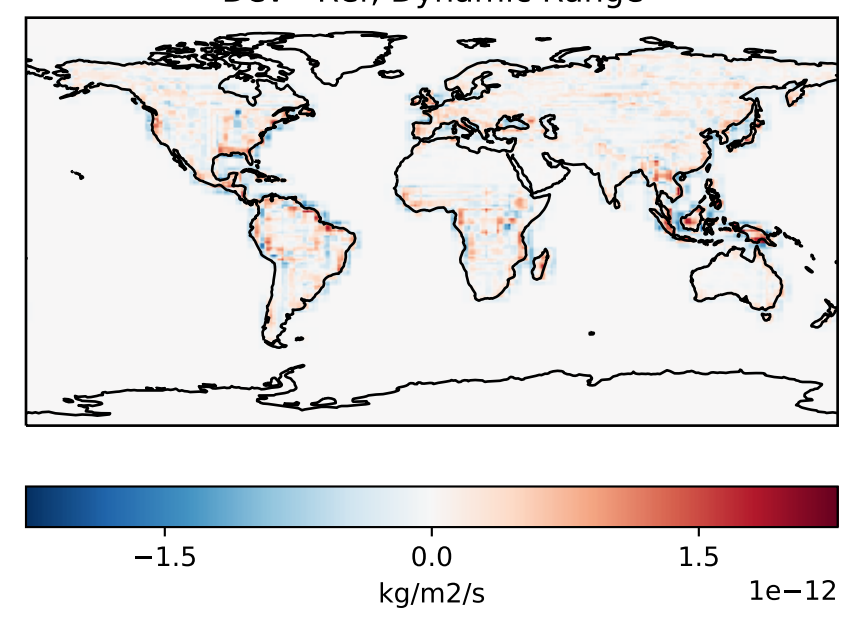
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



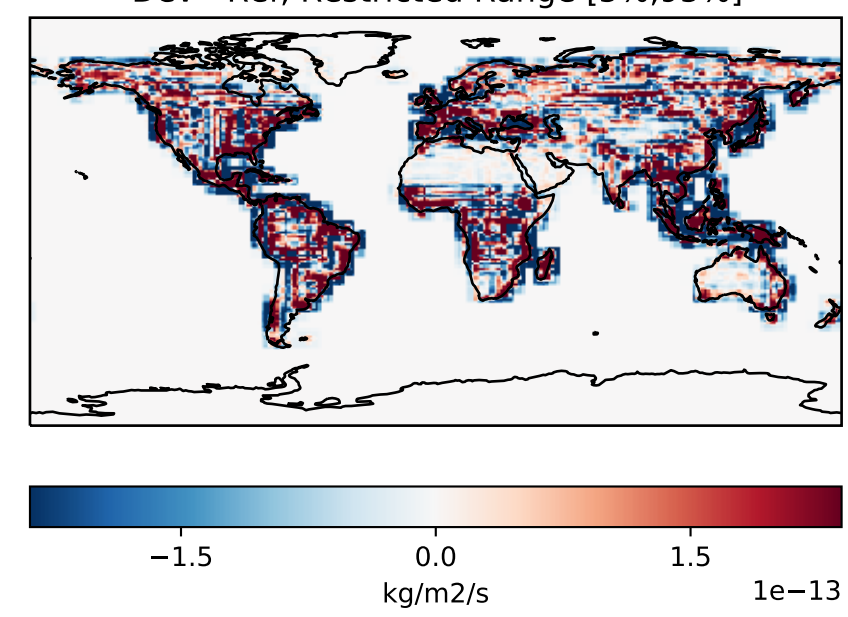
GCHP_13.3.0-rc.1 (Dev)
c48



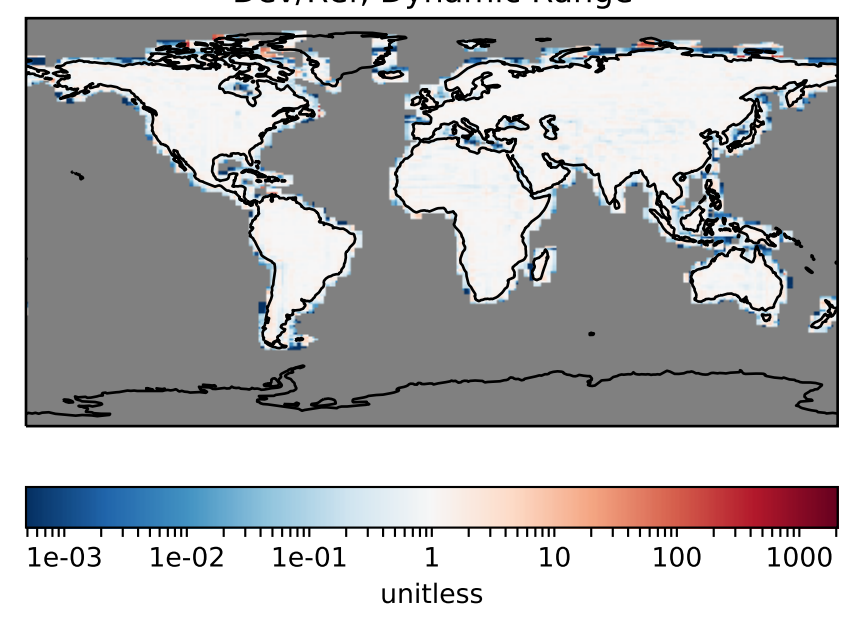
Difference (1x1.25)
Dev - Ref, Dynamic Range



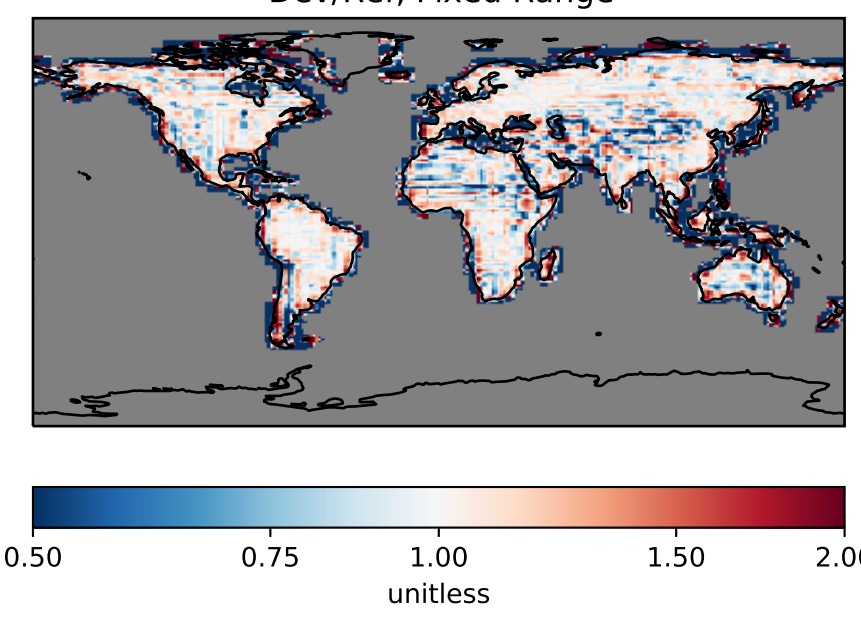
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

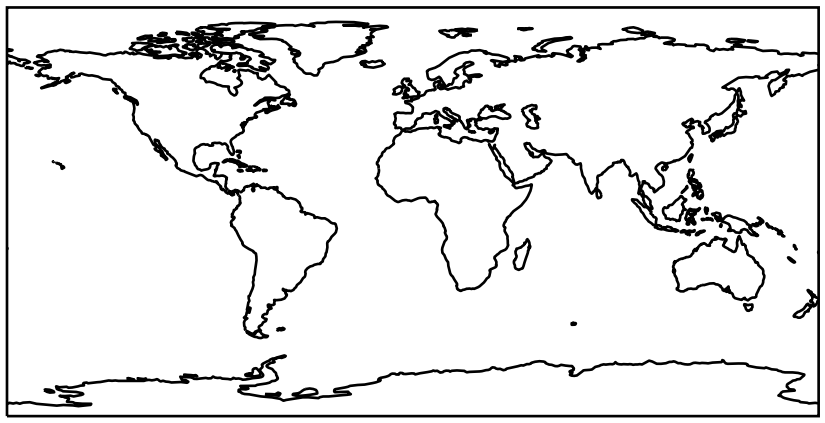


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisALD2_Ship

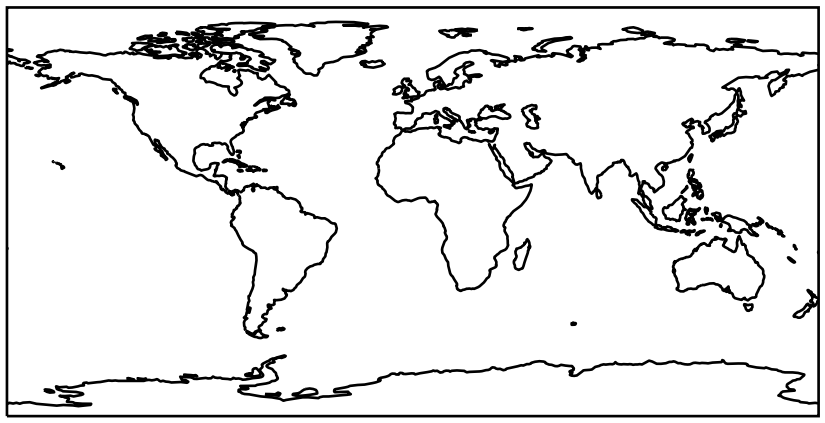
GCC_13.3.0-rc.1 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

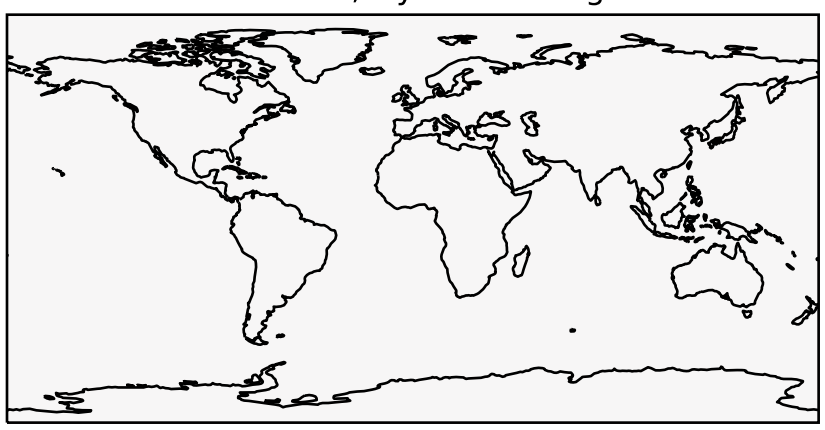
GCHP_13.3.0-rc.1 (Dev)
c48





Zero throughout domain
kg/m2/s

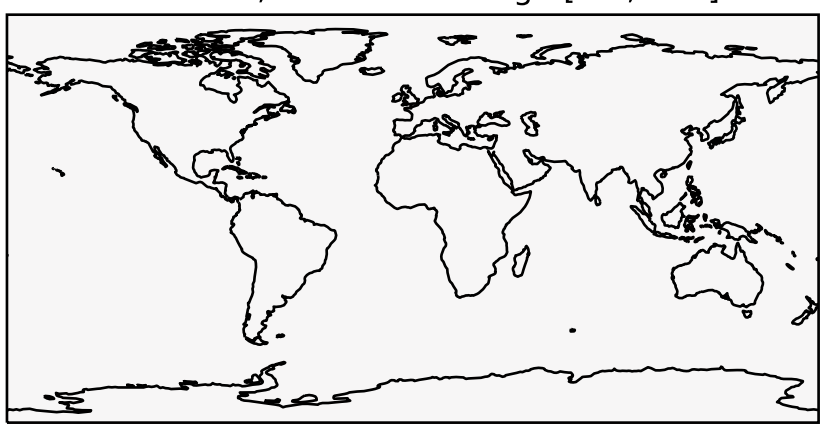
Difference (1x1.25)
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

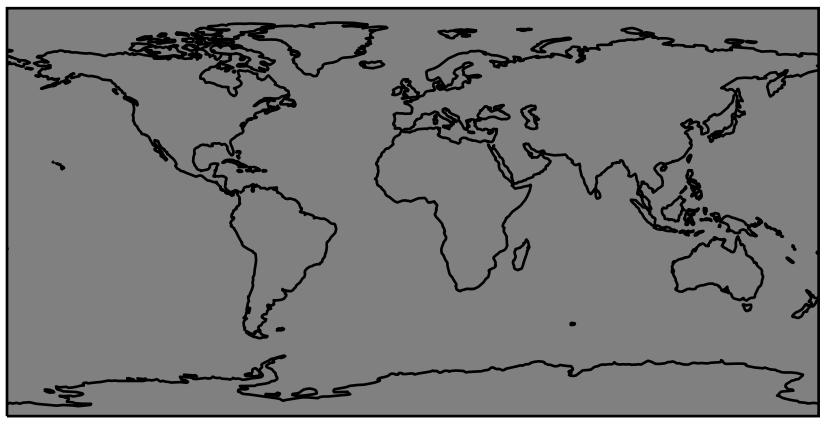
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

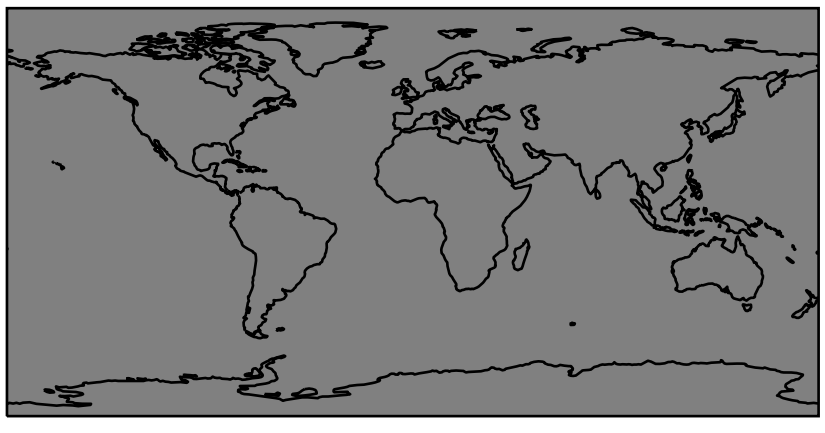
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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unitless

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

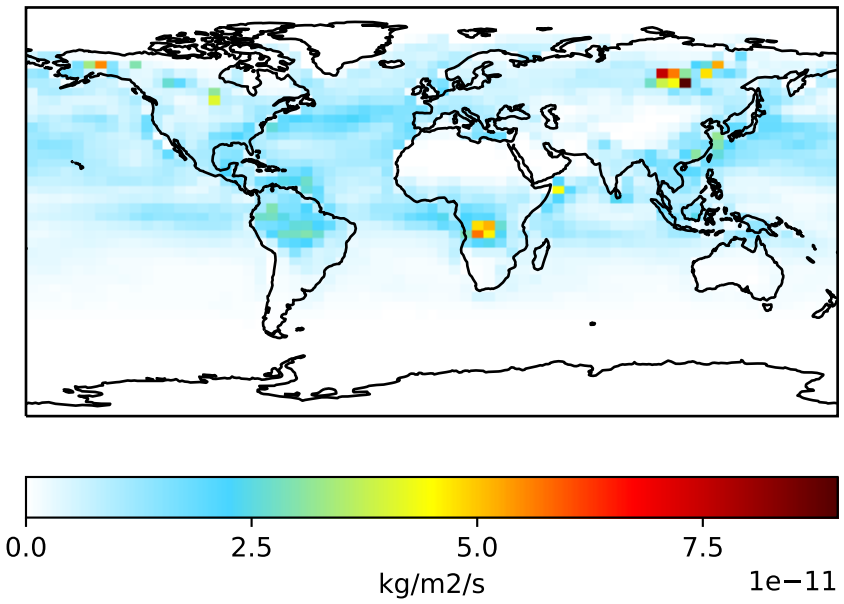




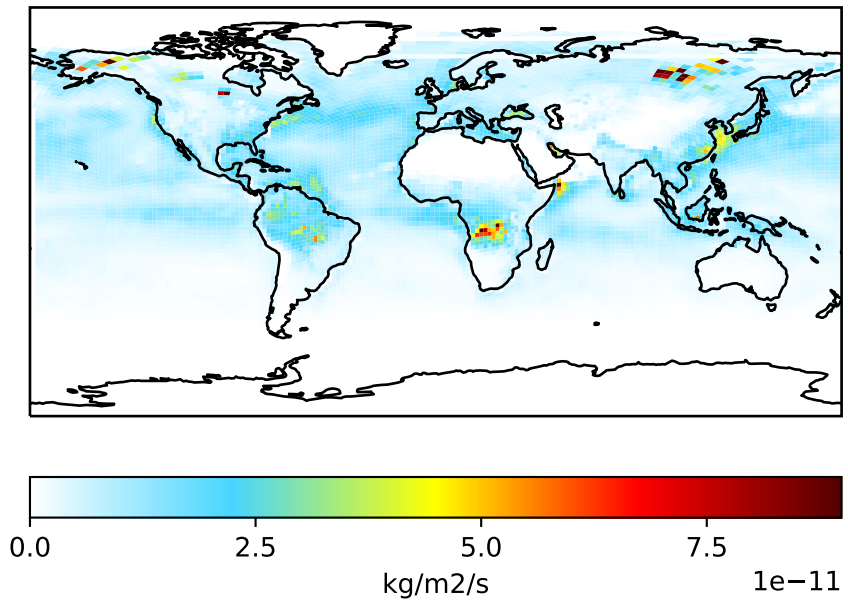
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EmisALD2_Total

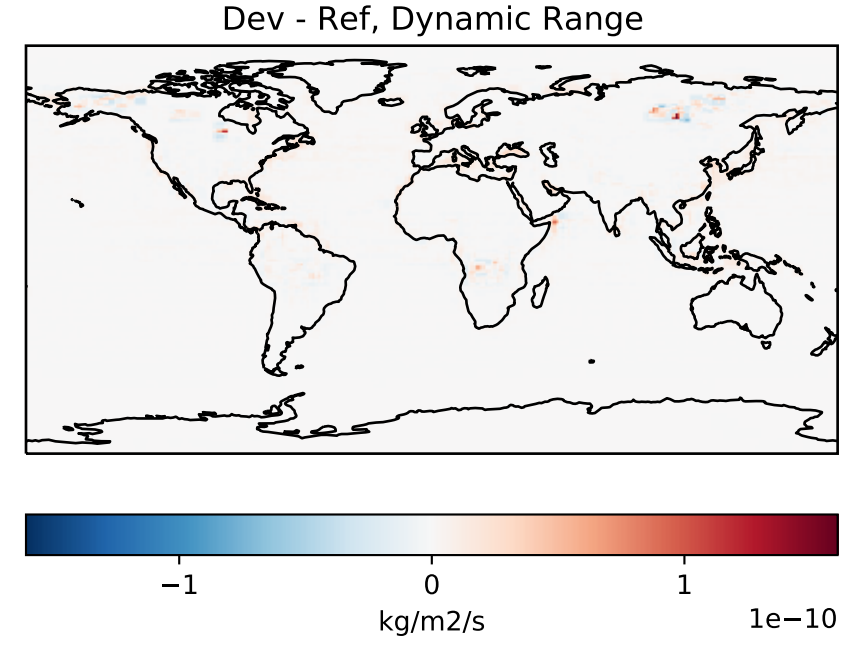
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



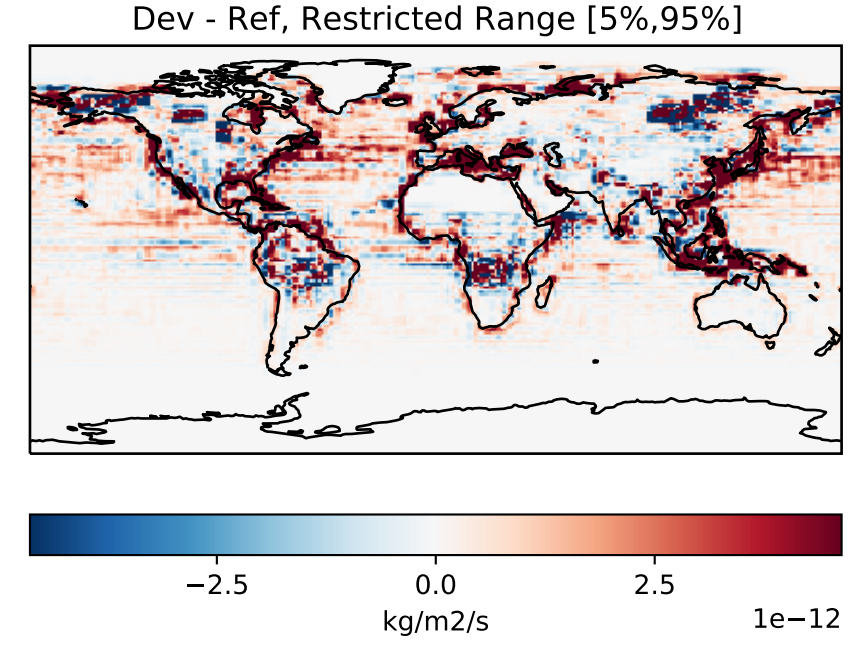
GCHP_13.3.0-rc.1 (Dev)
c48



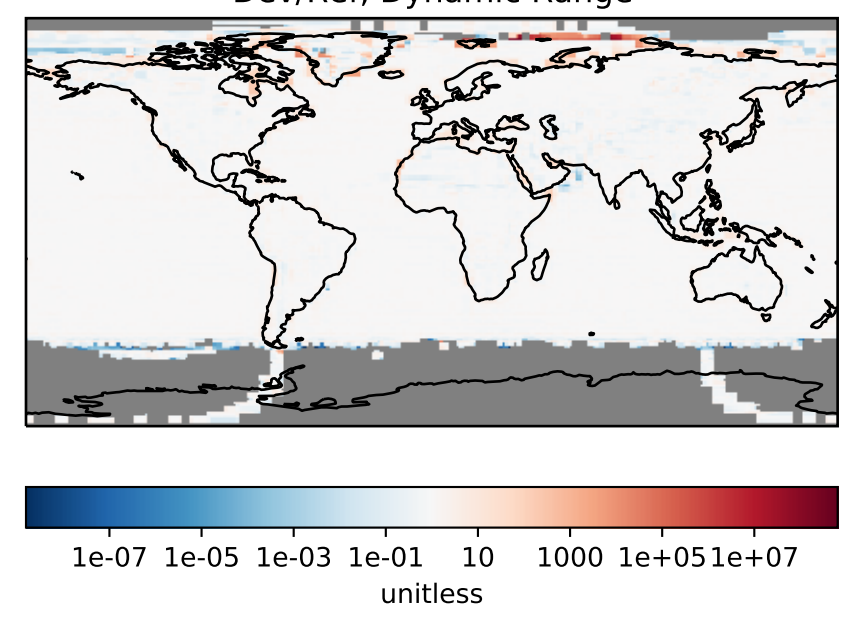
Difference (1x1.25)
Dev - Ref, Dynamic Range



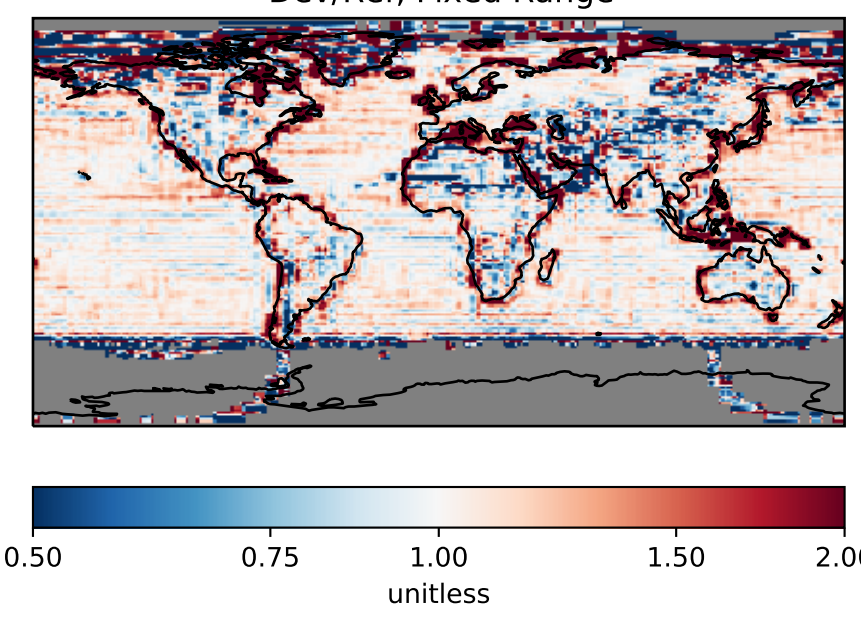
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

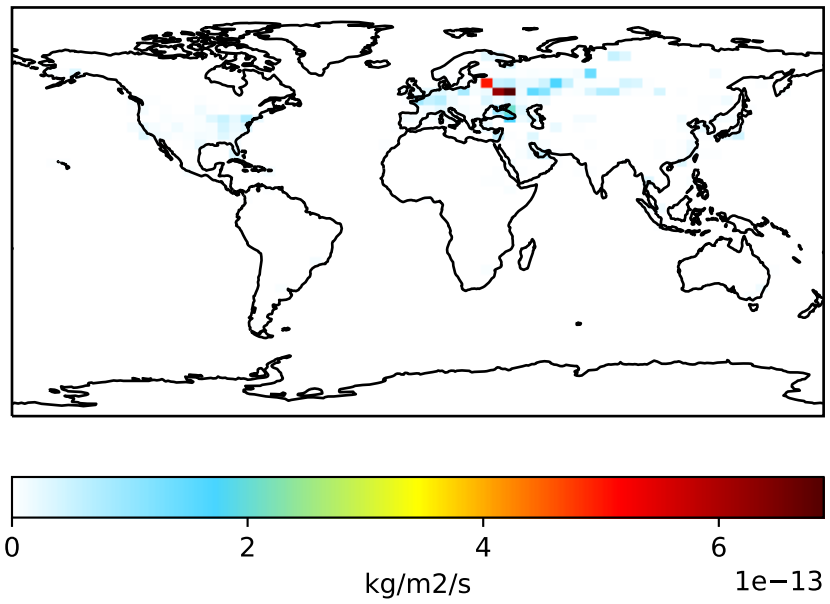


Ratio (1x1.25)
Dev/Ref, Fixed Range

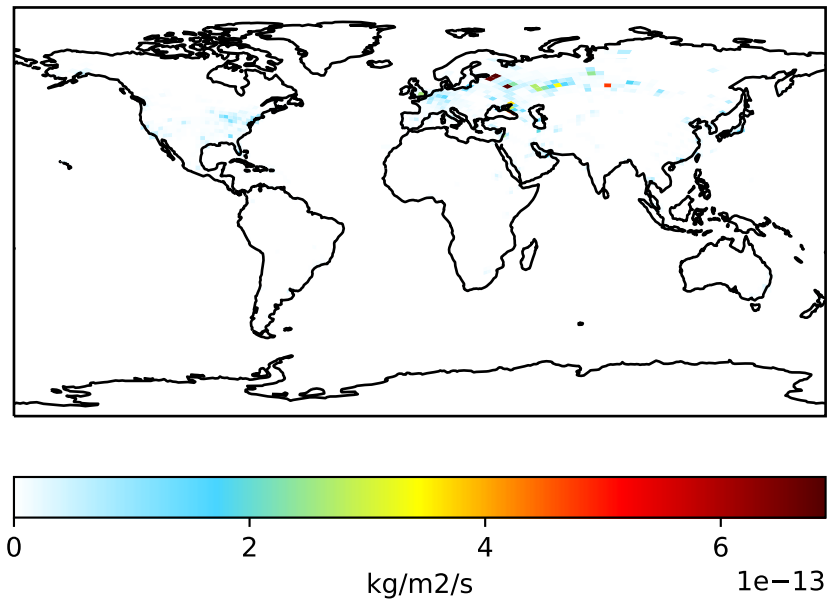


EmisCH2O_Aircraft

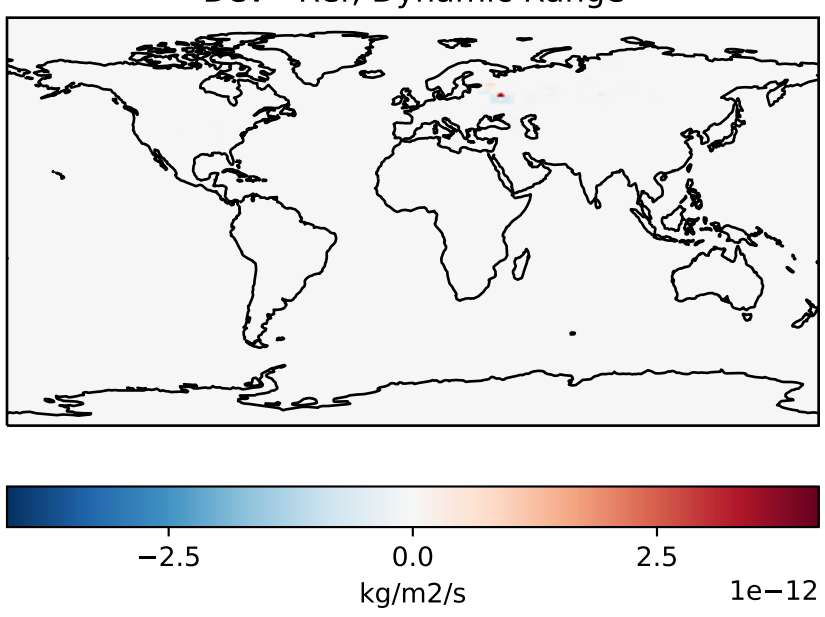
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



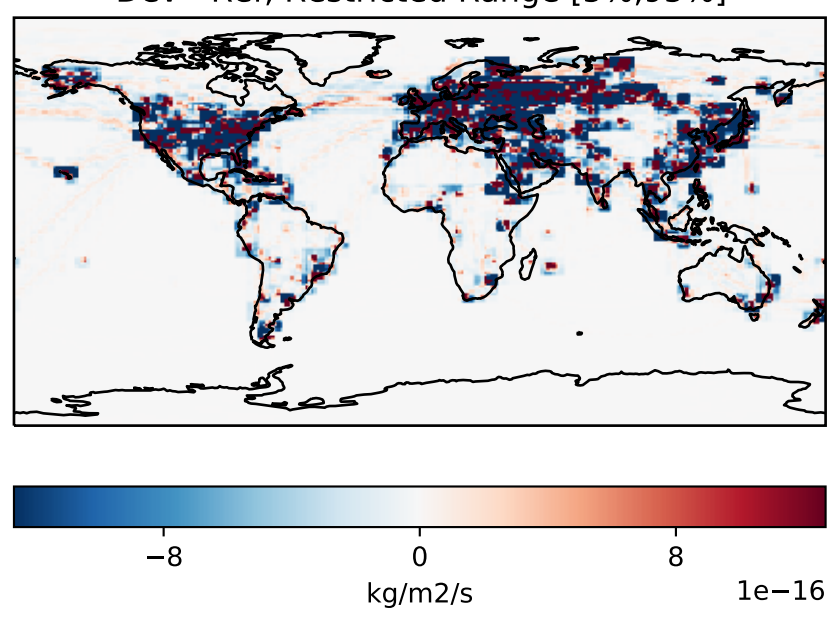
GCHP_13.3.0-rc.1 (Dev)
c48



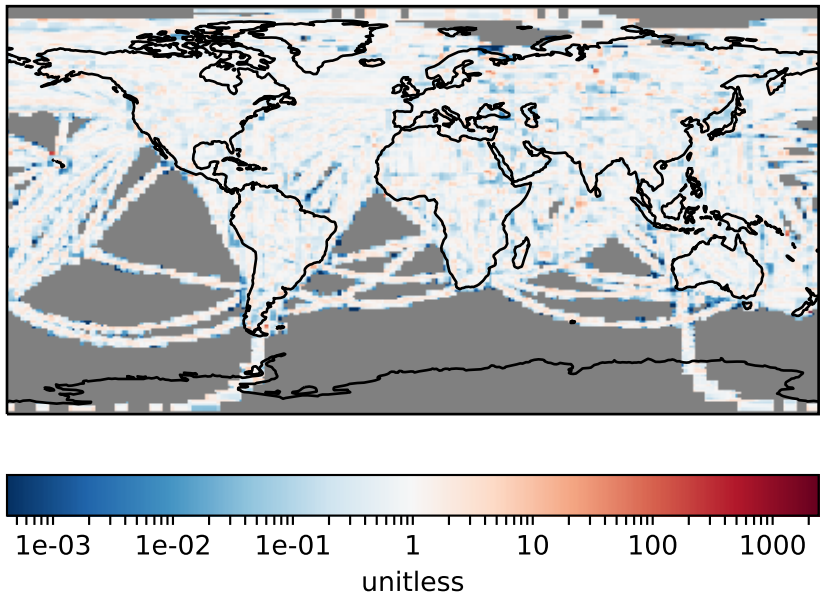
Difference (1x1.25)
Dev - Ref, Dynamic Range



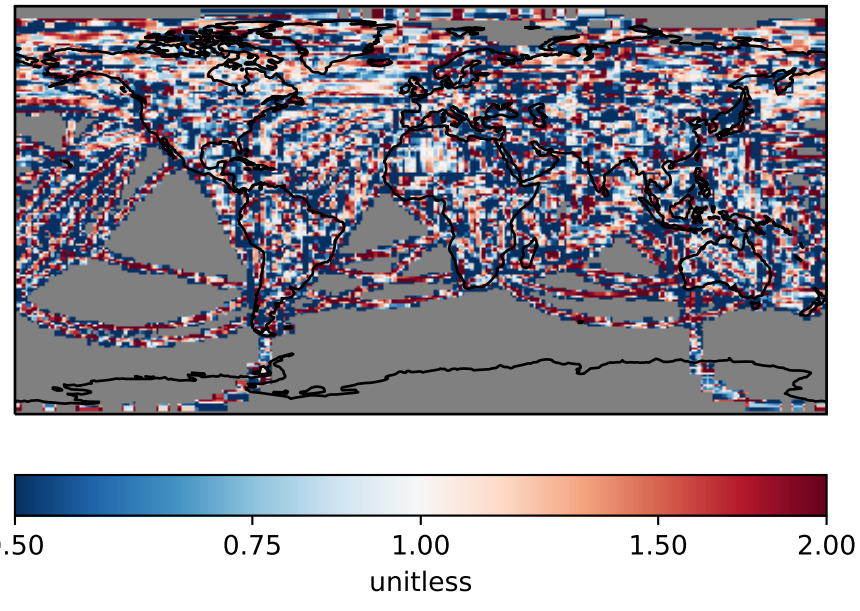
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

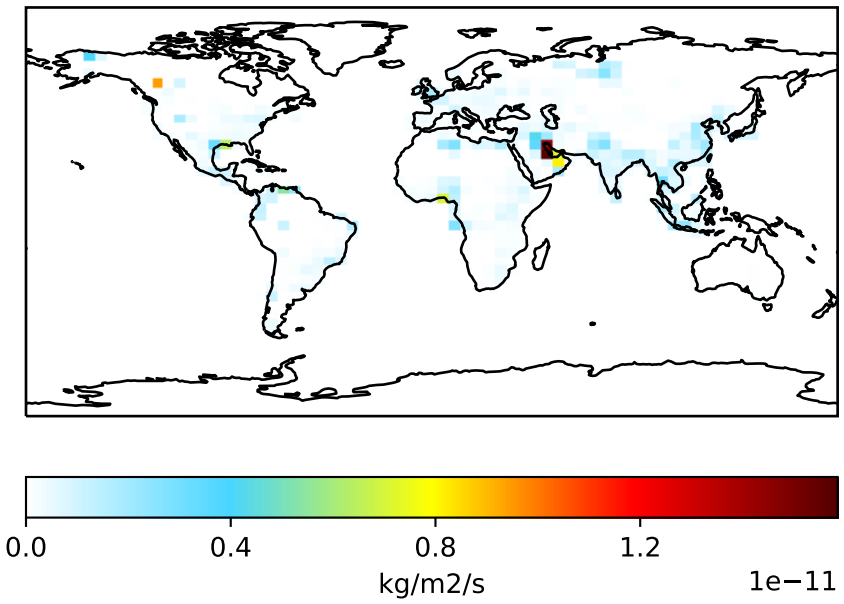


Ratio (1x1.25)
Dev/Ref, Fixed Range

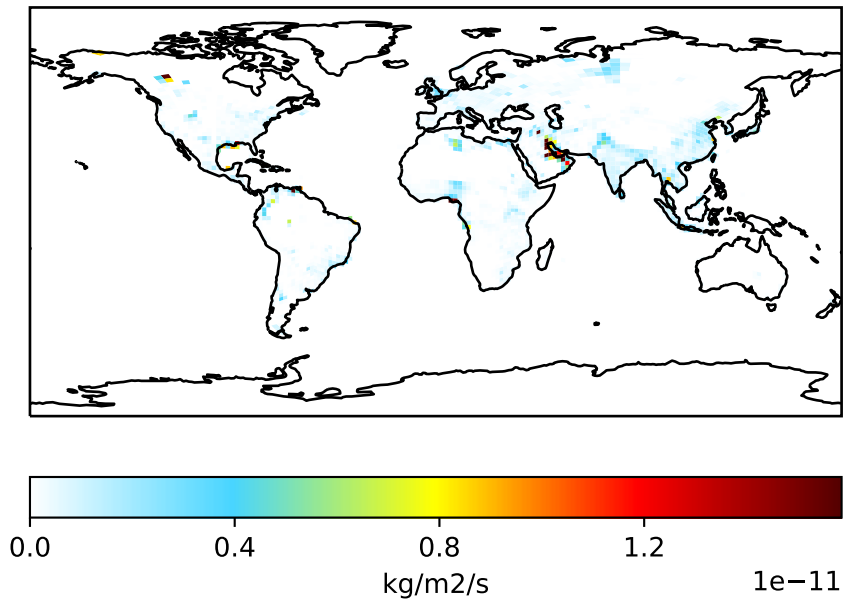


EmisCH2O_Anthro

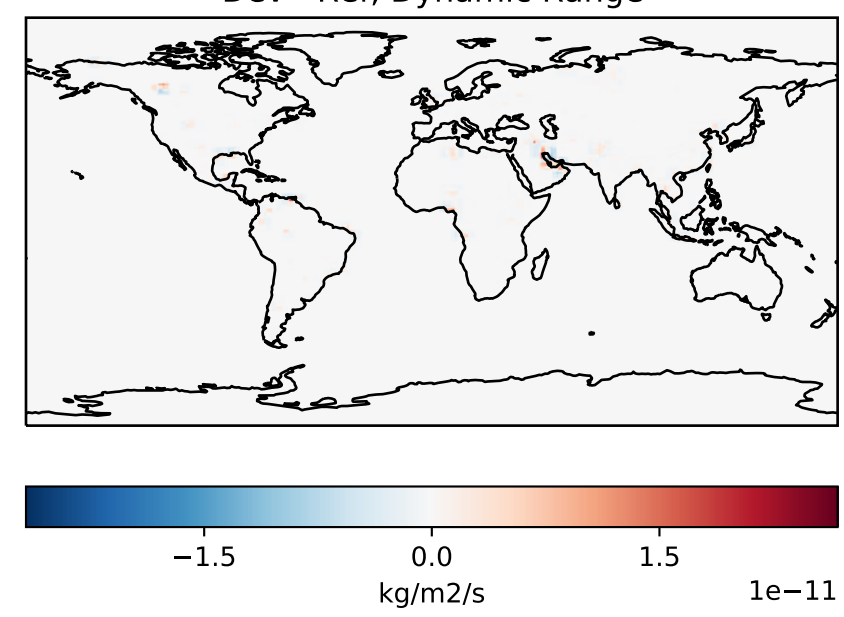
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



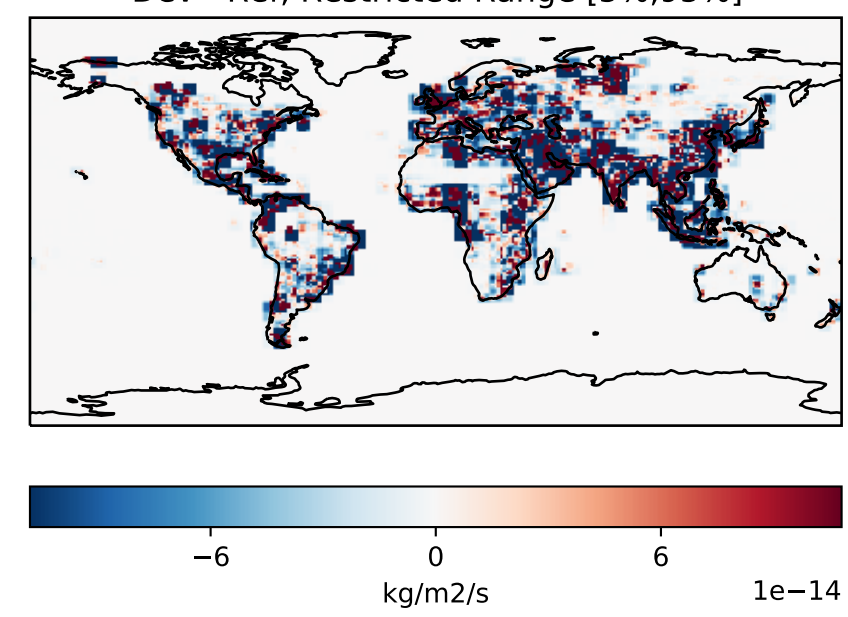
GCHP_13.3.0-rc.1 (Dev)
c48



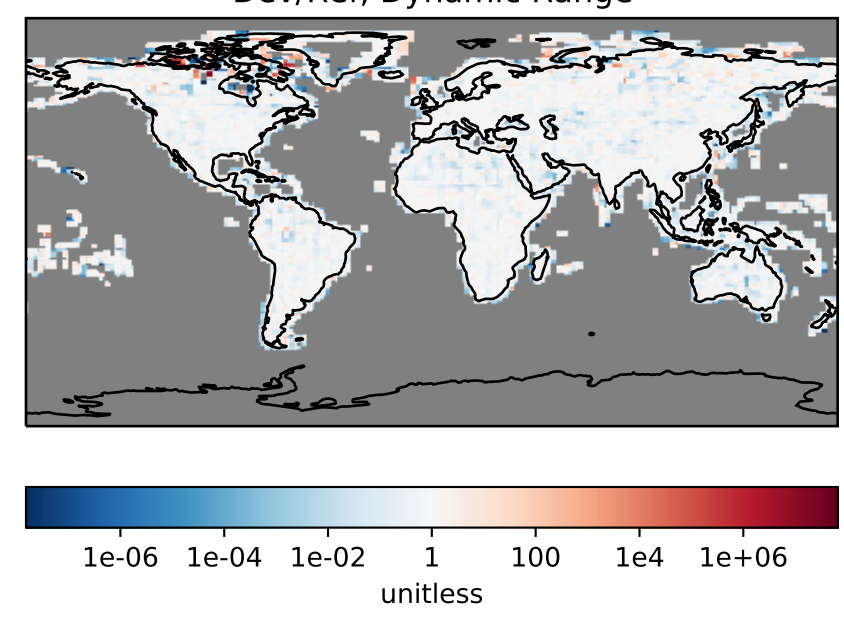
Difference (1x1.25)
Dev - Ref, Dynamic Range



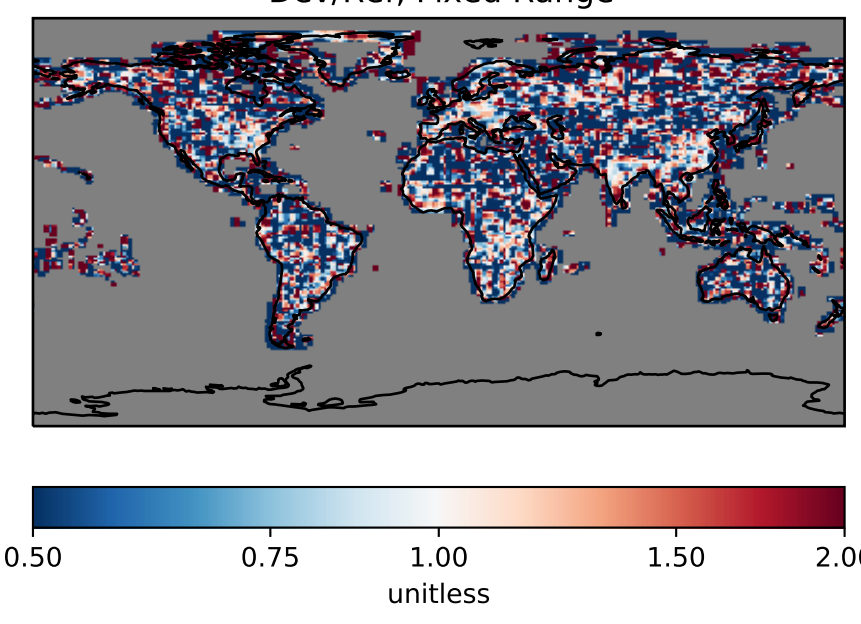
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

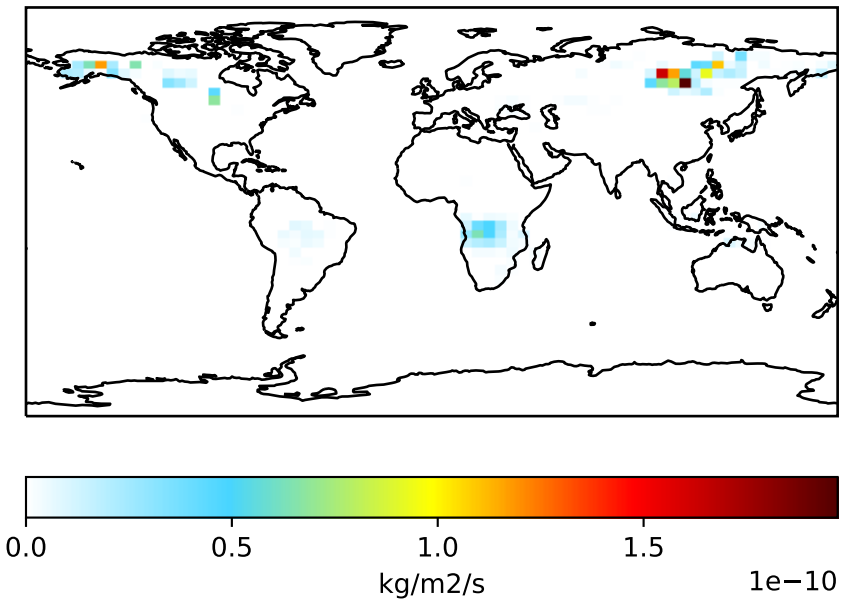


Ratio (1x1.25)
Dev/Ref, Fixed Range

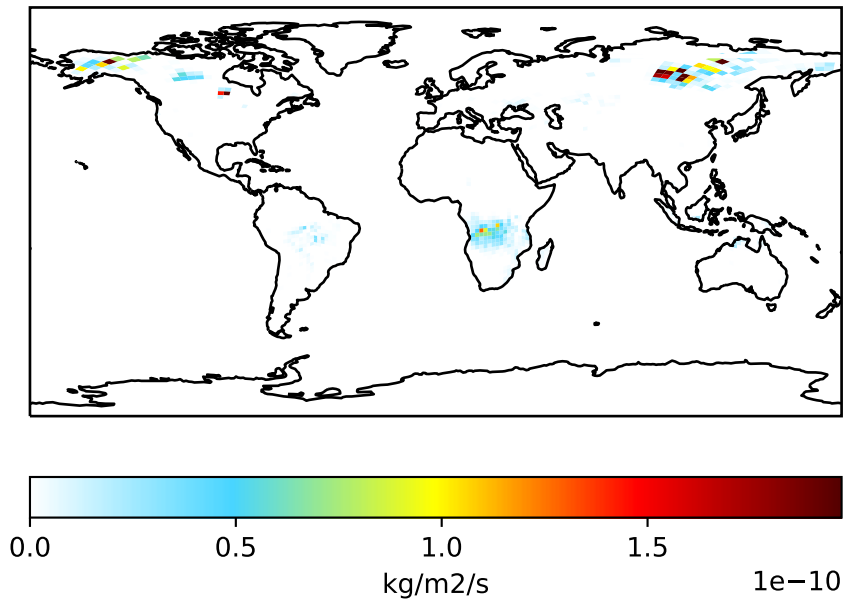


EmisCH2O_BioBurn

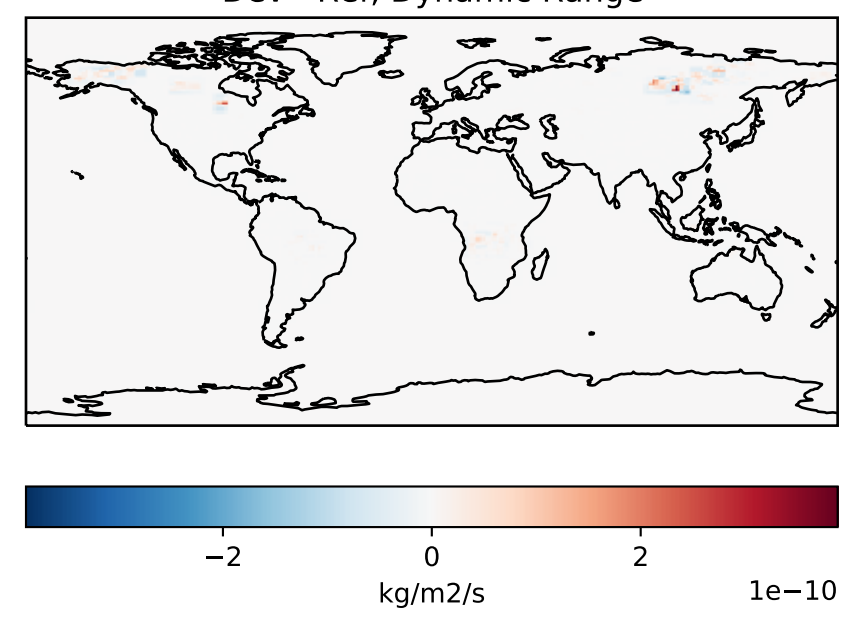
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



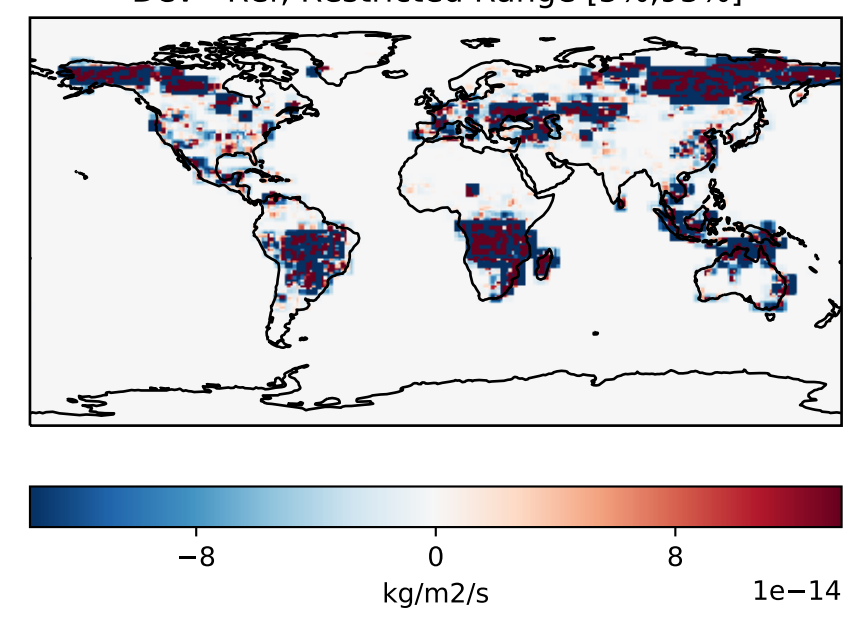
GCHP_13.3.0-rc.1 (Dev)
c48



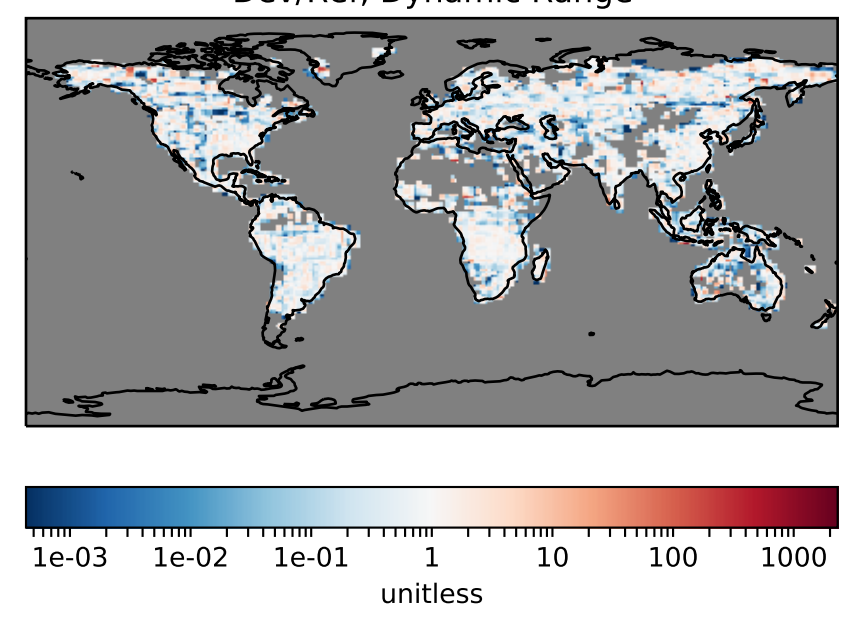
Difference (1x1.25)
Dev - Ref, Dynamic Range



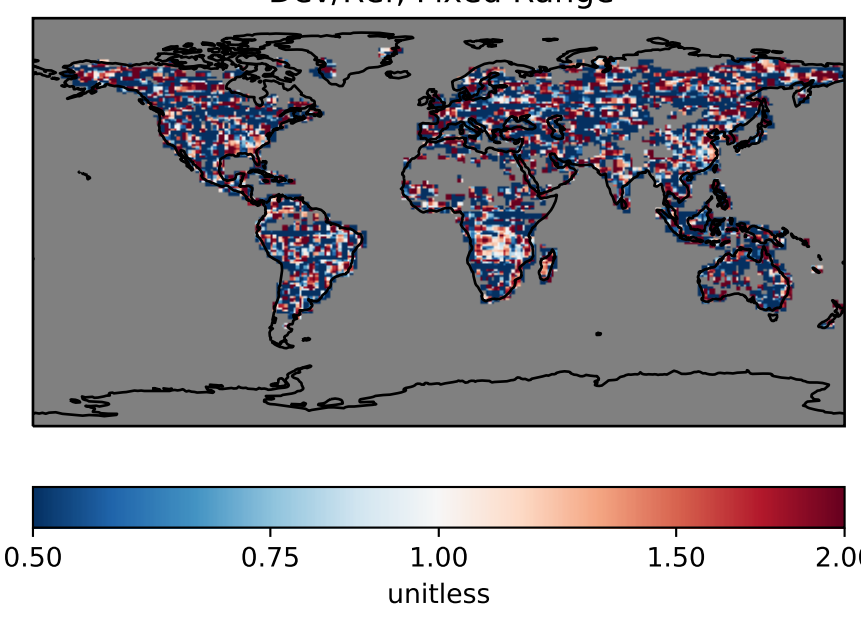
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

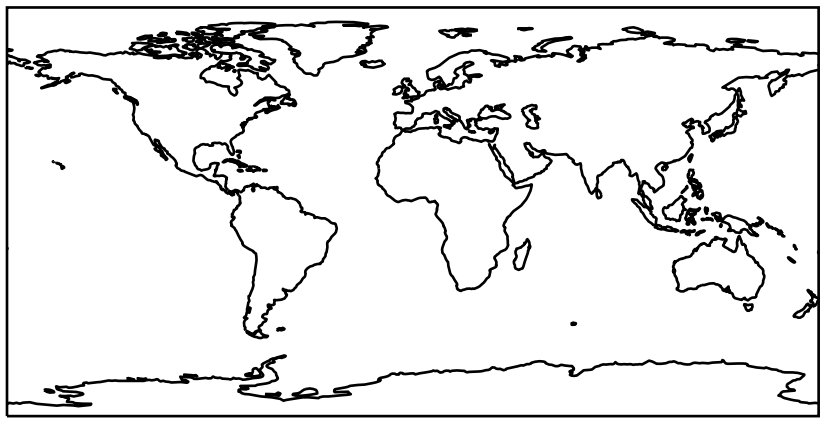


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisCH2O_Ship

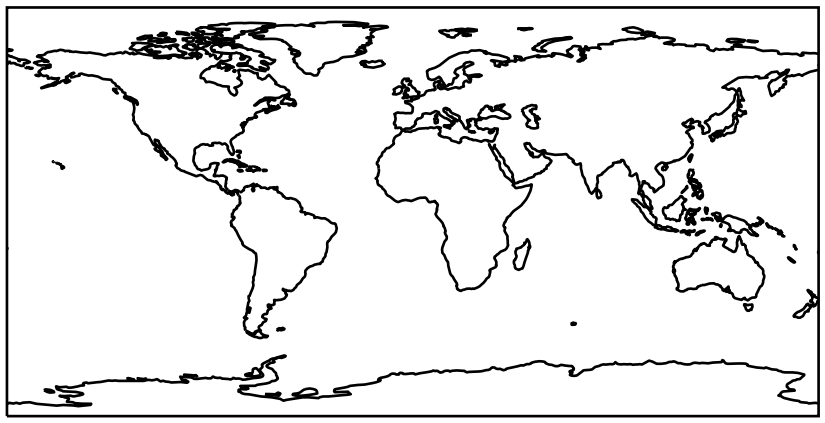
GCC_13.3.0-rc.1 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

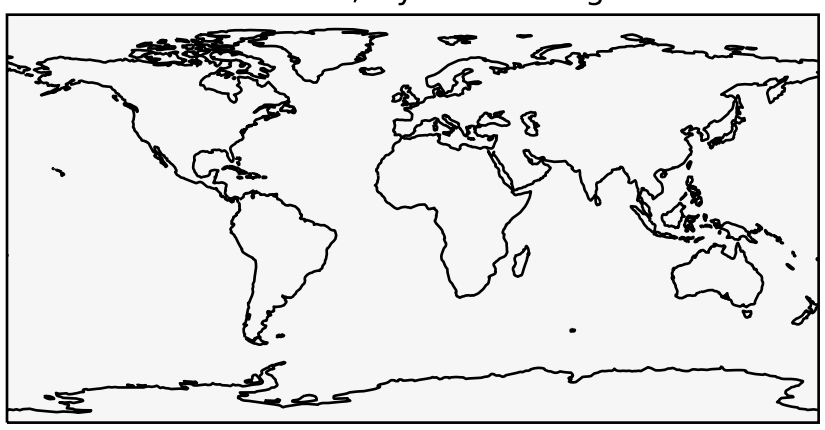
GCHP_13.3.0-rc.1 (Dev)
c48





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kg/m2/s

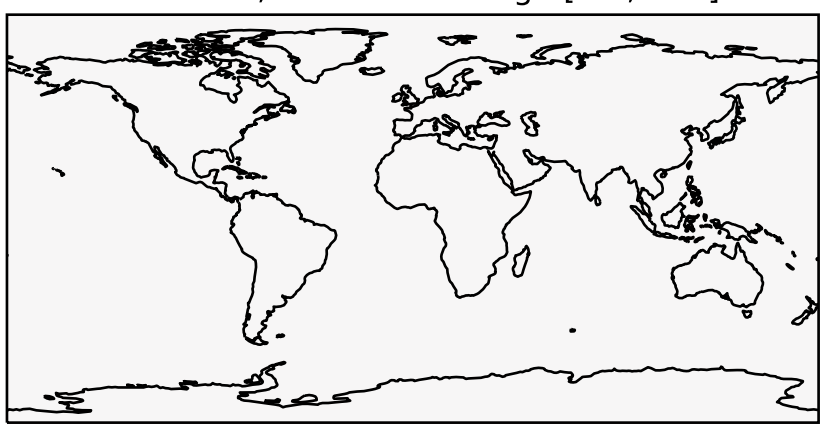
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

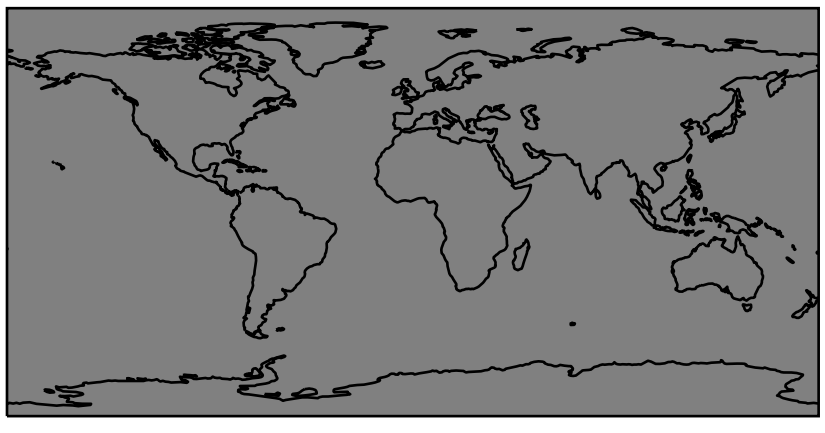
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

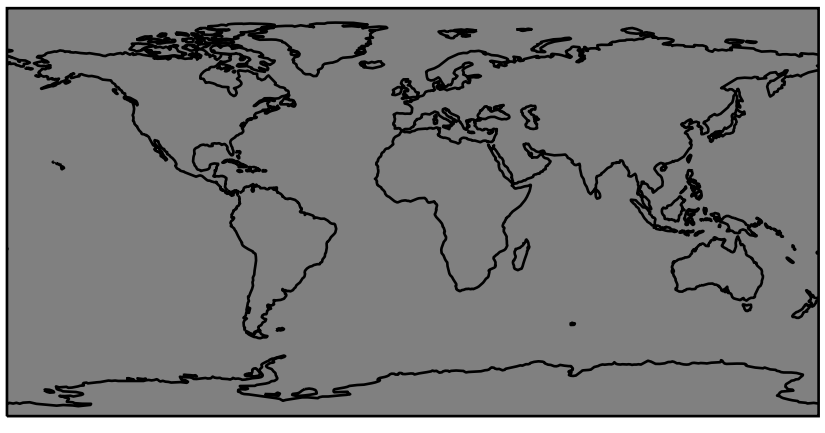
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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unitless

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

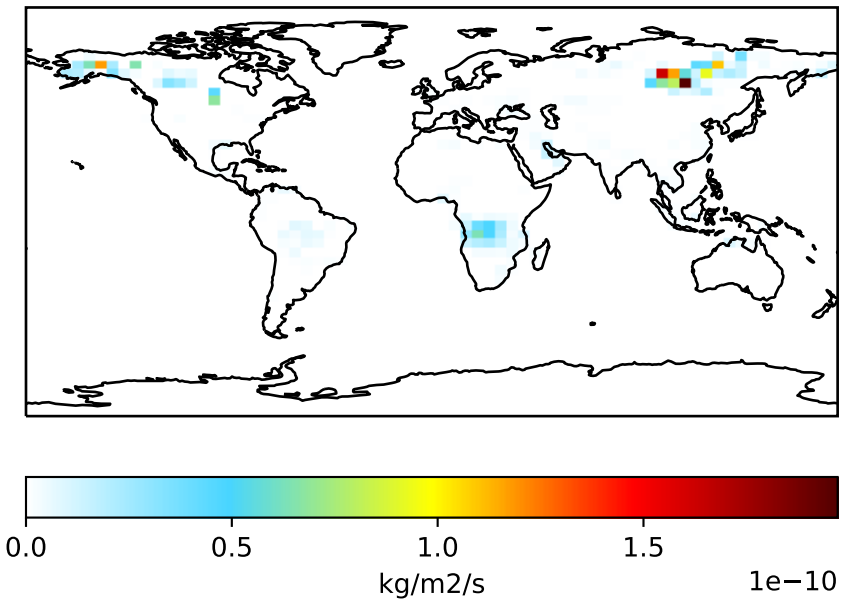




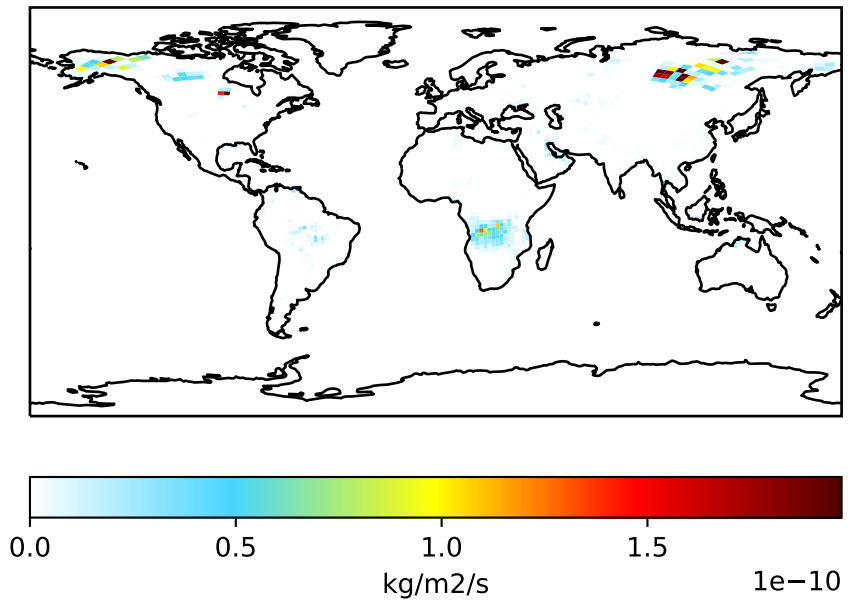
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EmisCH2O_Total

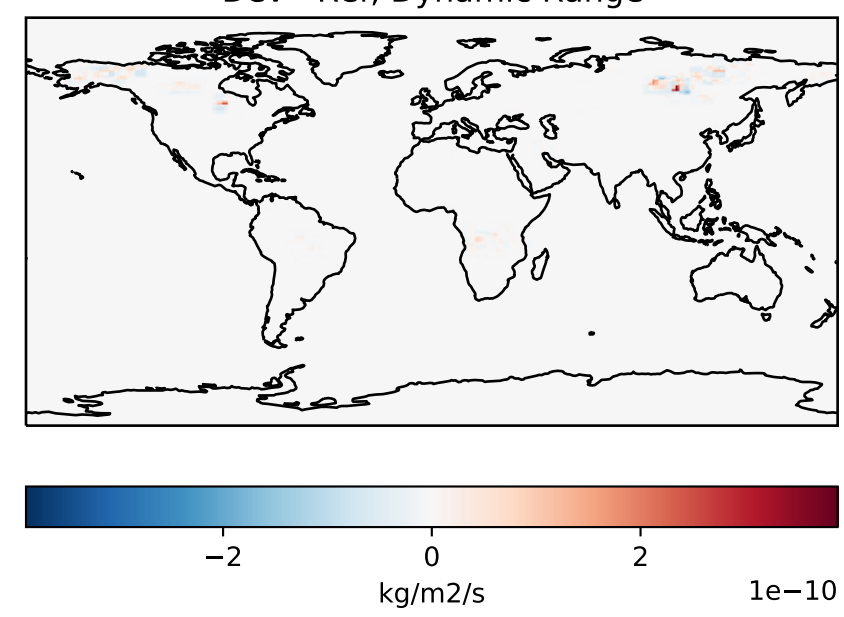
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



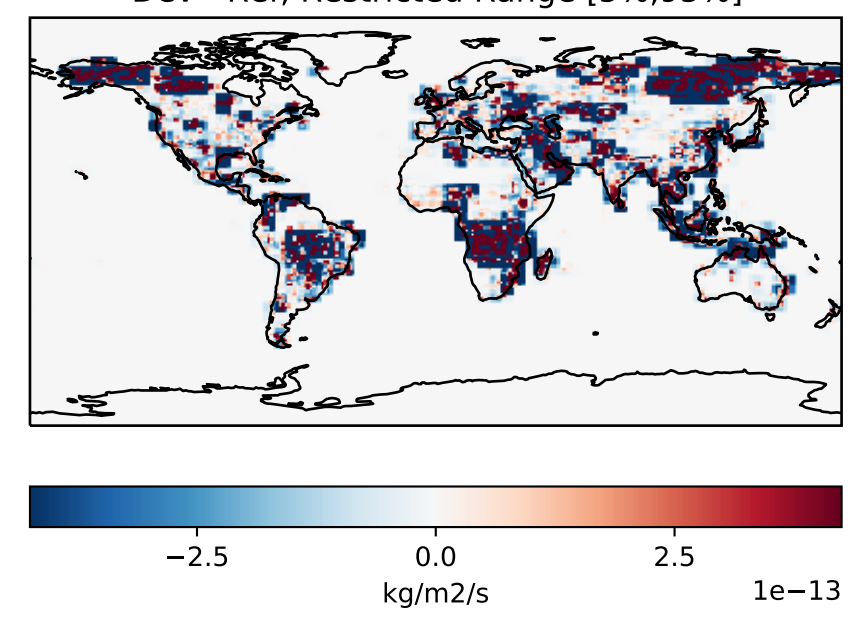
GCHP_13.3.0-rc.1 (Dev)
c48



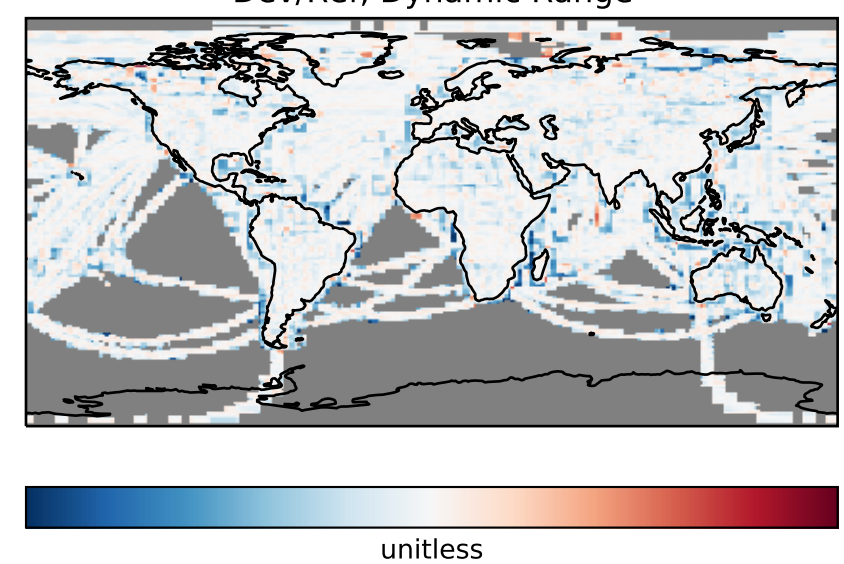
Difference (1x1.25)
Dev - Ref, Dynamic Range



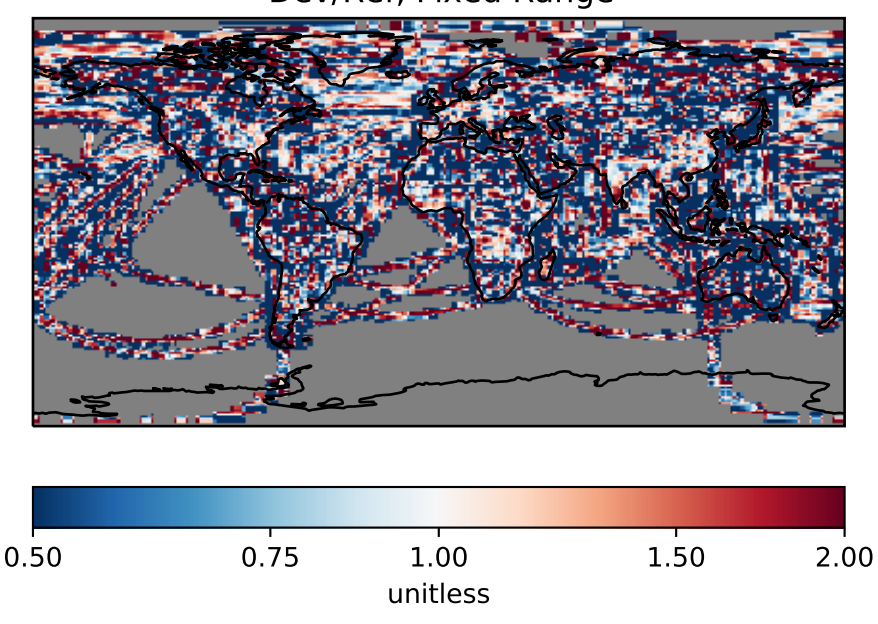
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

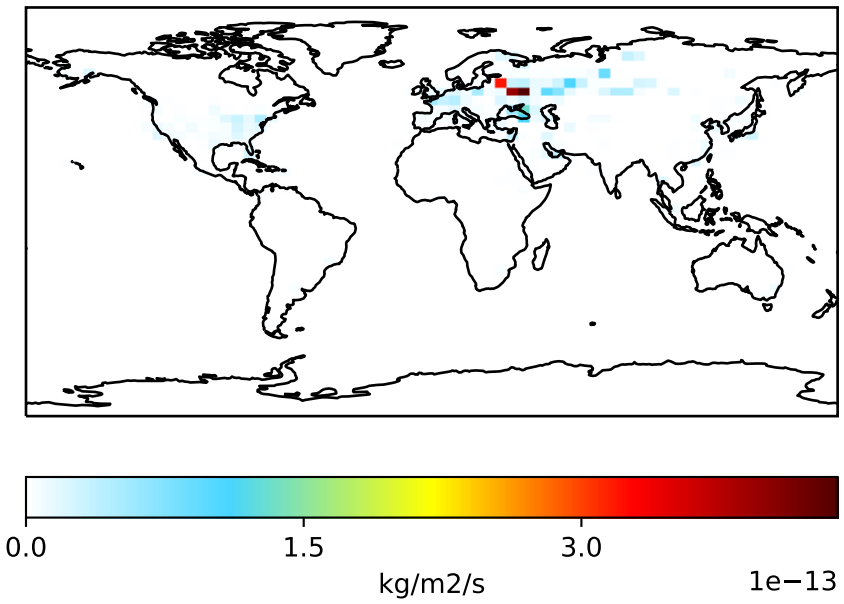


Ratio (1x1.25)
Dev/Ref, Fixed Range

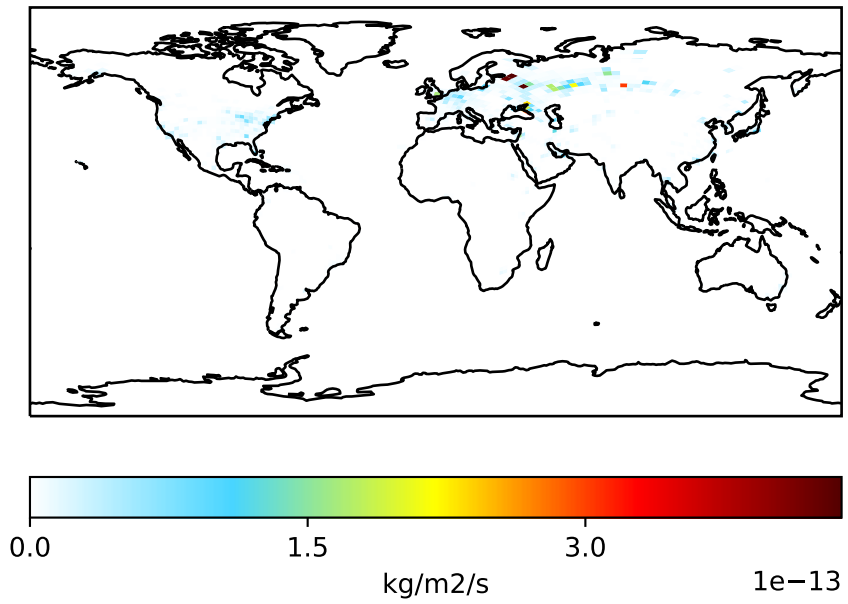


EmisMACR_Aircraft

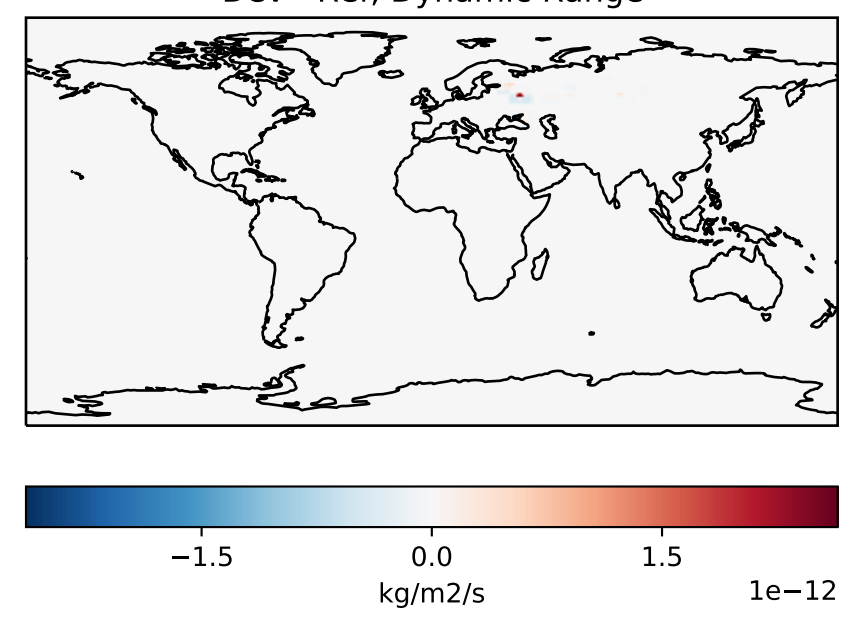
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



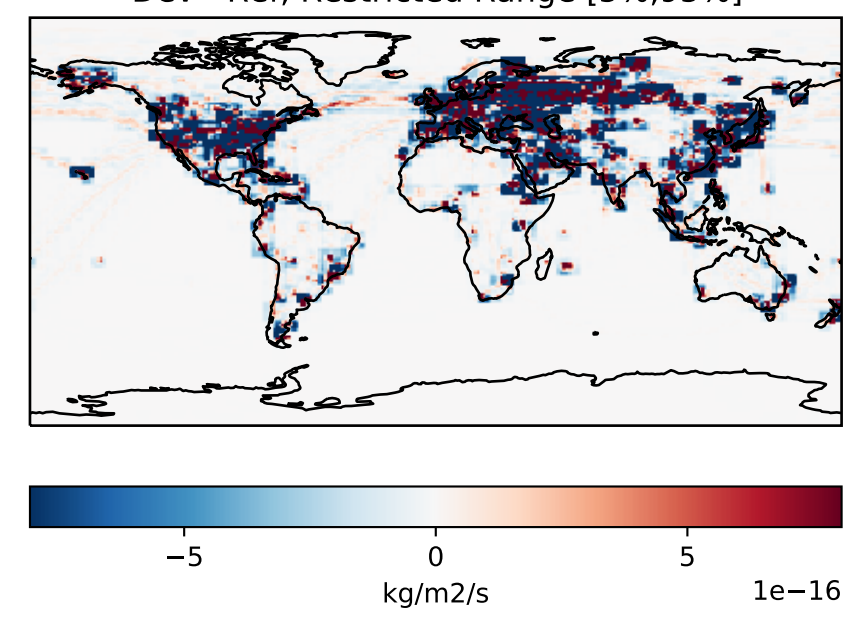
GCHP_13.3.0-rc.1 (Dev)
c48



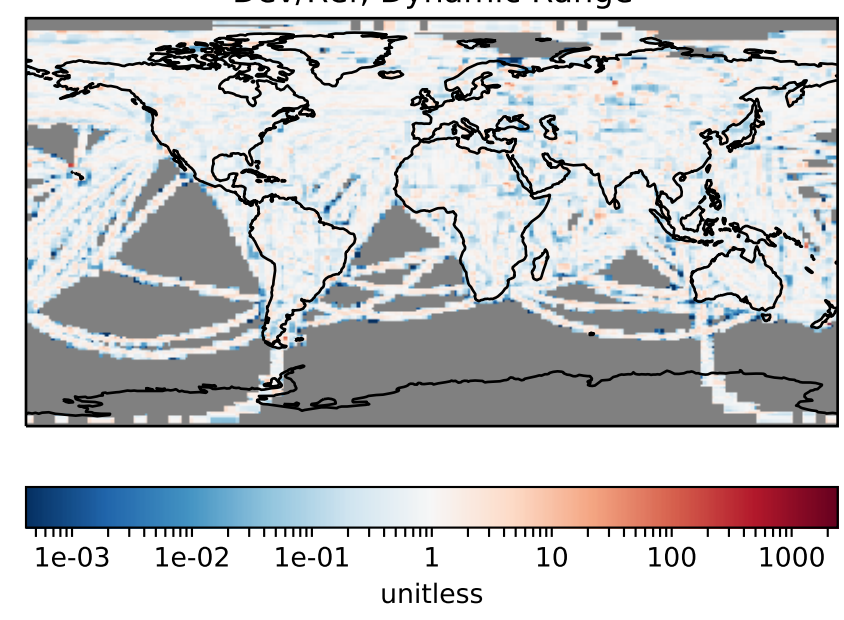
Difference (1x1.25)
Dev - Ref, Dynamic Range



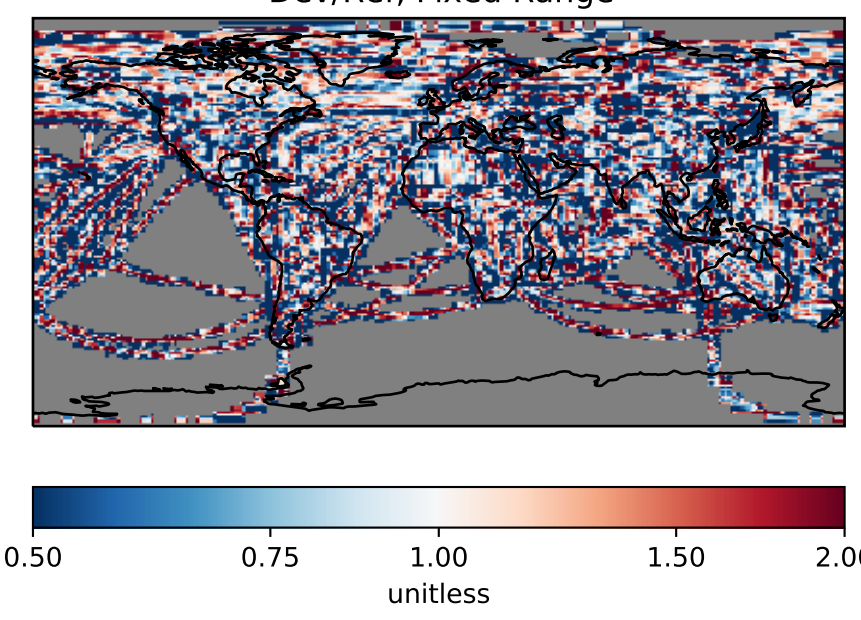
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

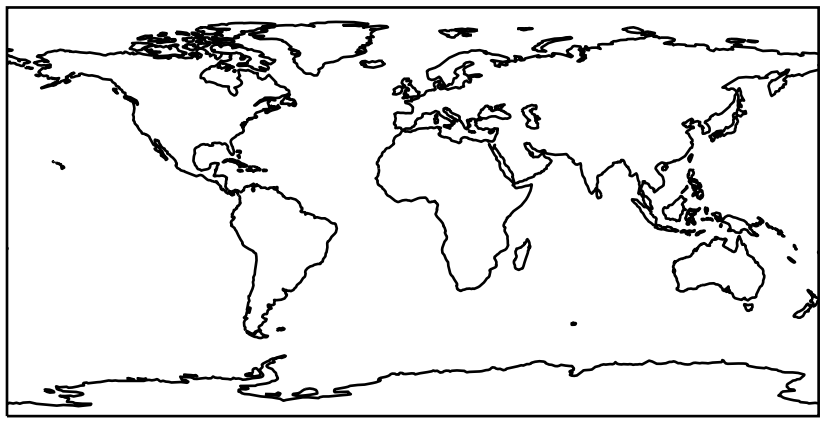


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisMACR_Anthro

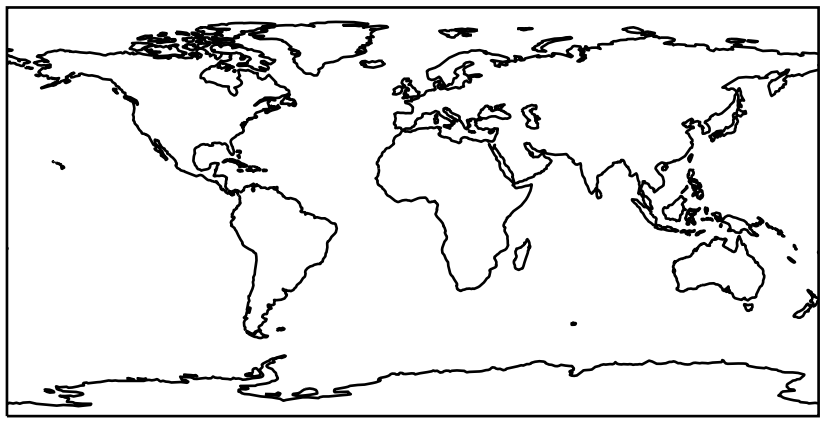
GCC_13.3.0-rc.1 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

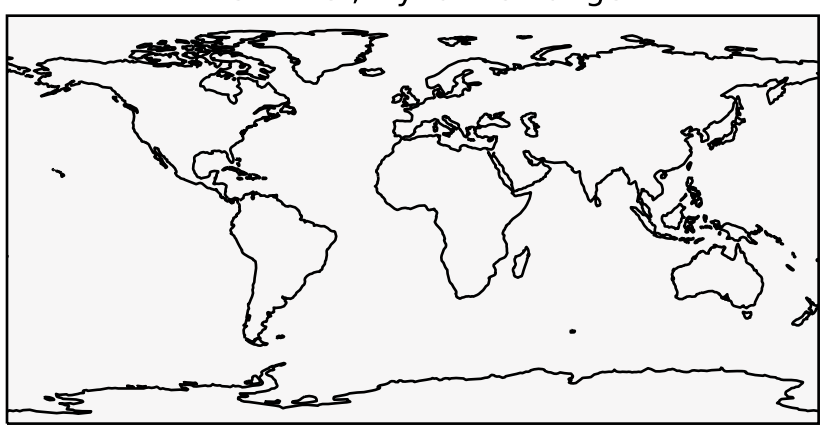
GCHP_13.3.0-rc.1 (Dev)
c48





Zero throughout domain
kg/m2/s

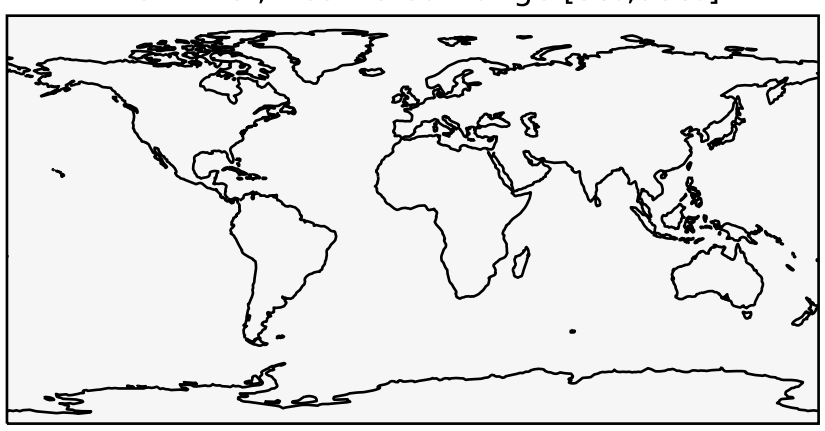
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

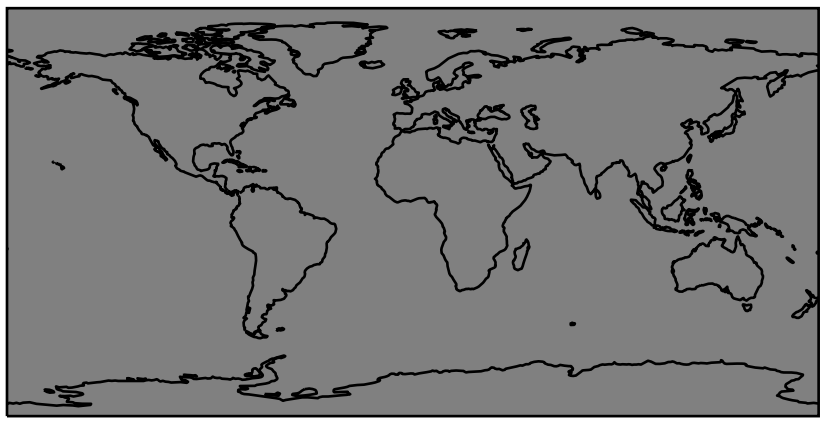
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

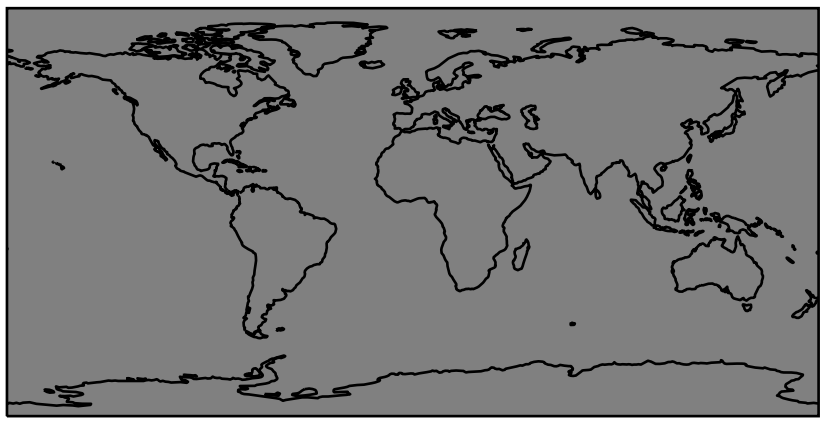
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

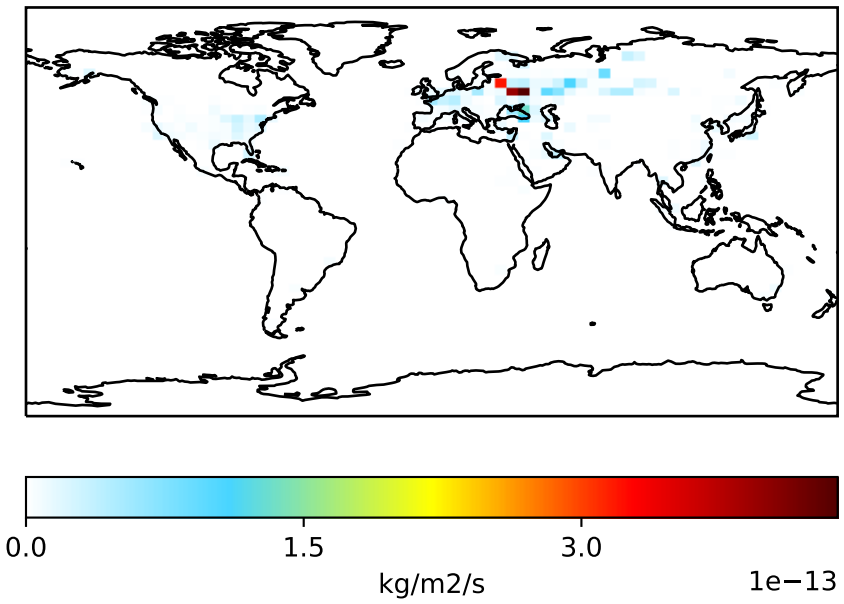




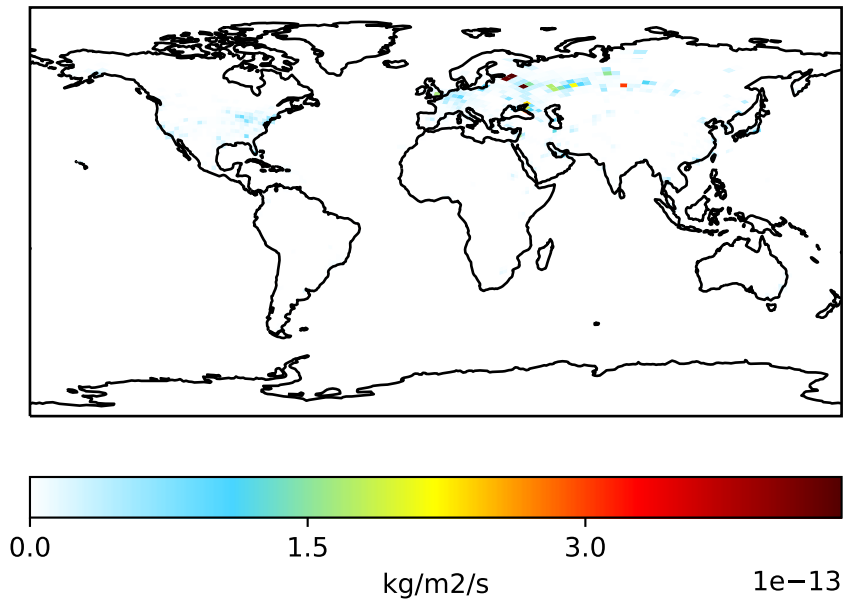
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EmisMACR_Total

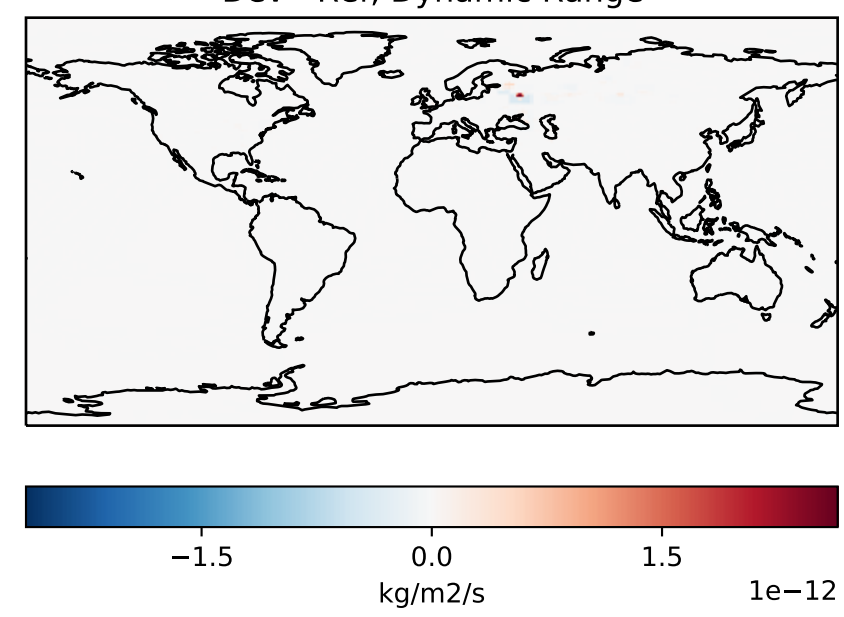
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



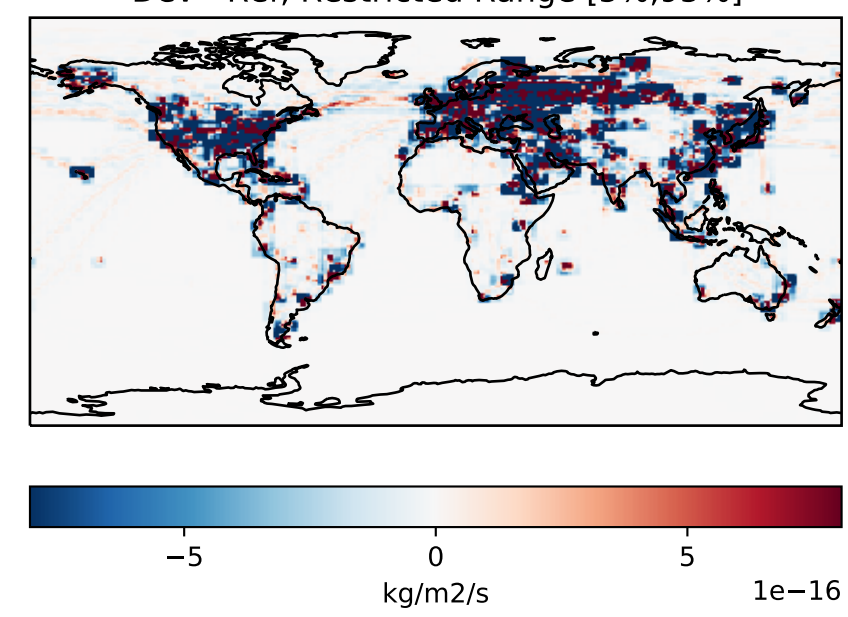
GCHP_13.3.0-rc.1 (Dev)
c48



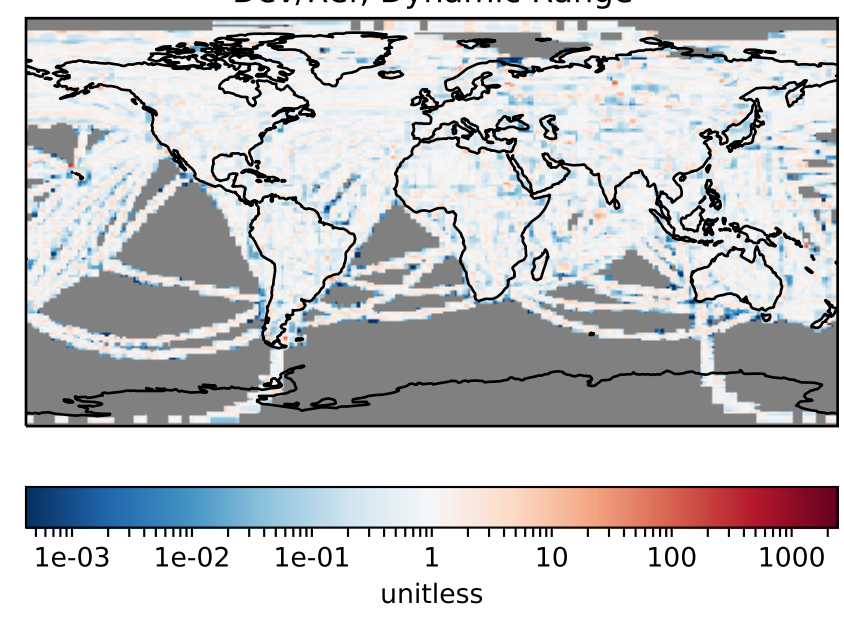
Difference (1x1.25)
Dev - Ref, Dynamic Range



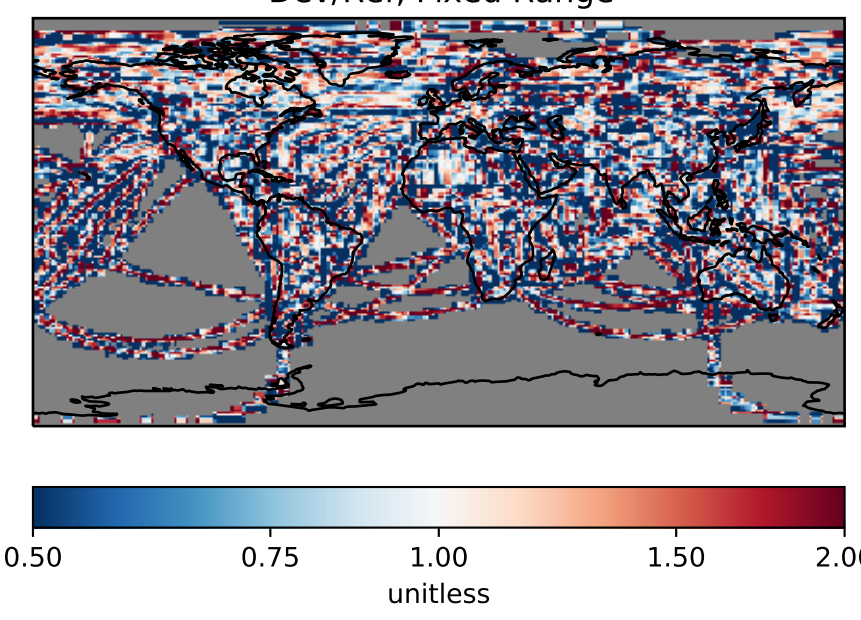
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

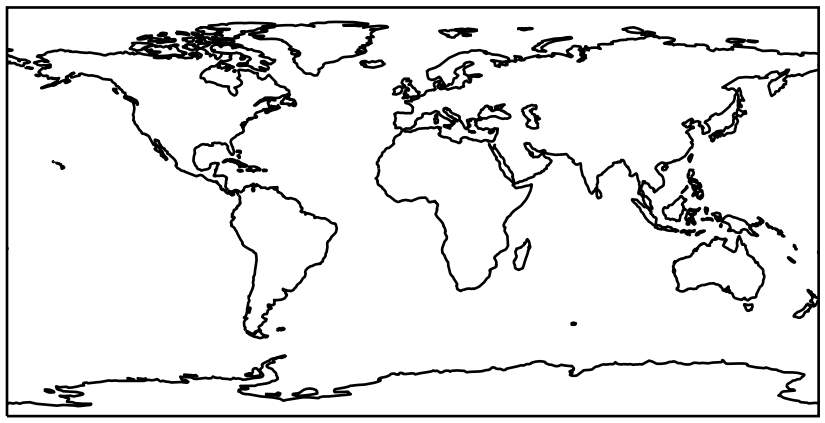


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisACET_Anthro

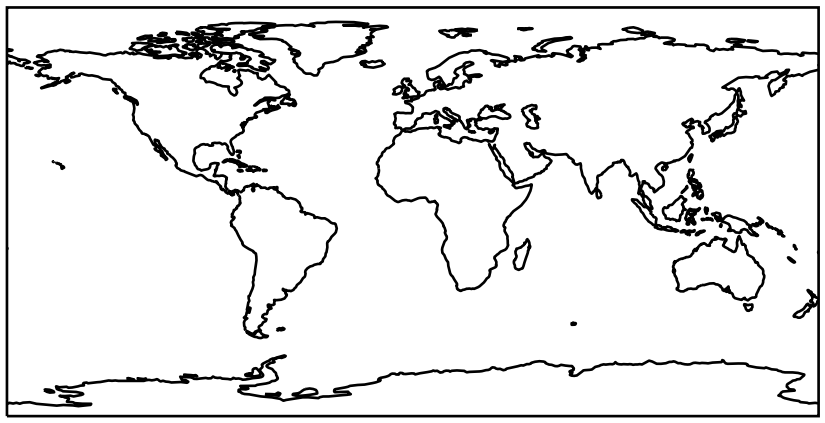
GCC_13.3.0-rc.1 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

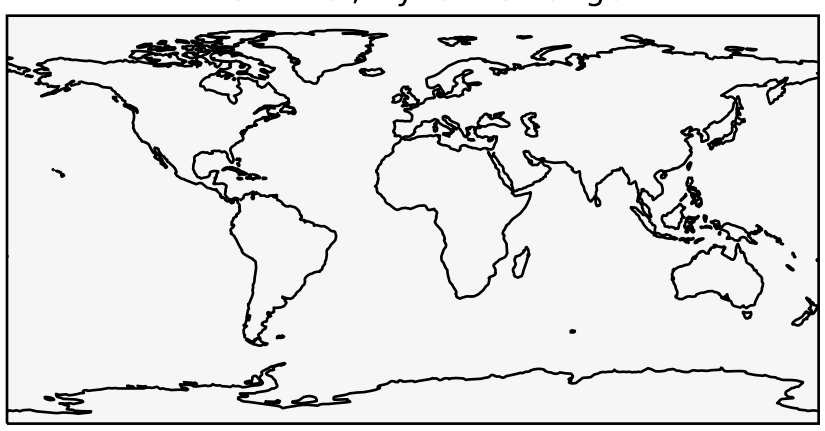
GCHP_13.3.0-rc.1 (Dev)
c48





Zero throughout domain
kg/m2/s

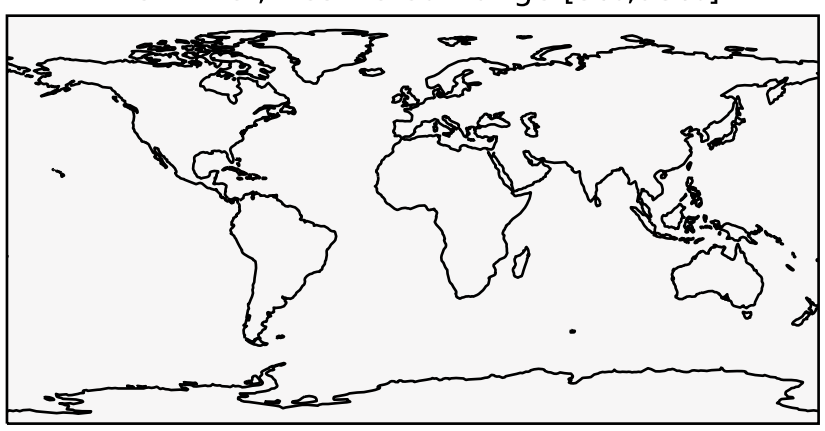
Difference (1x1.25)
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

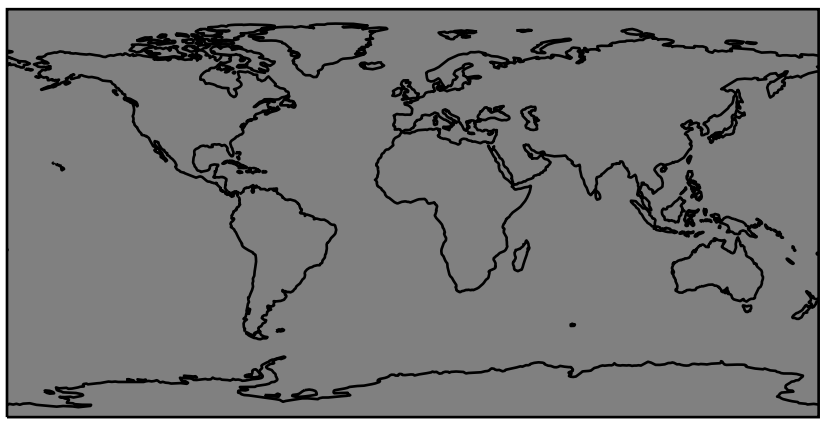
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

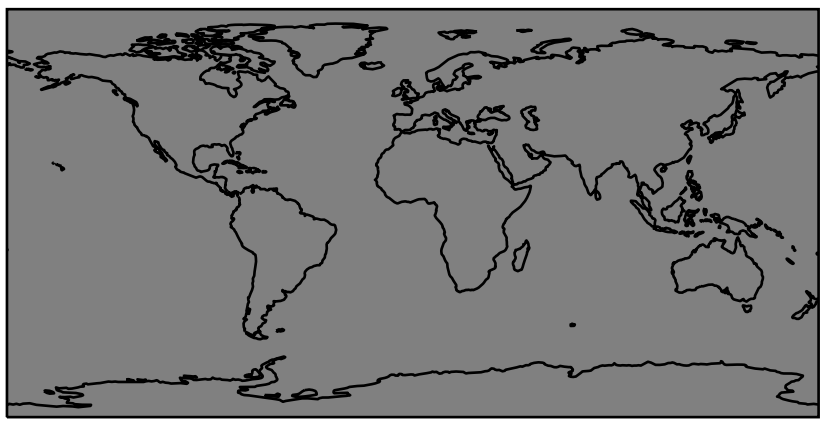
Ratio (1x1.25)
Dev/Ref, Dynamic Range





Undefined throughout domain
unitless

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

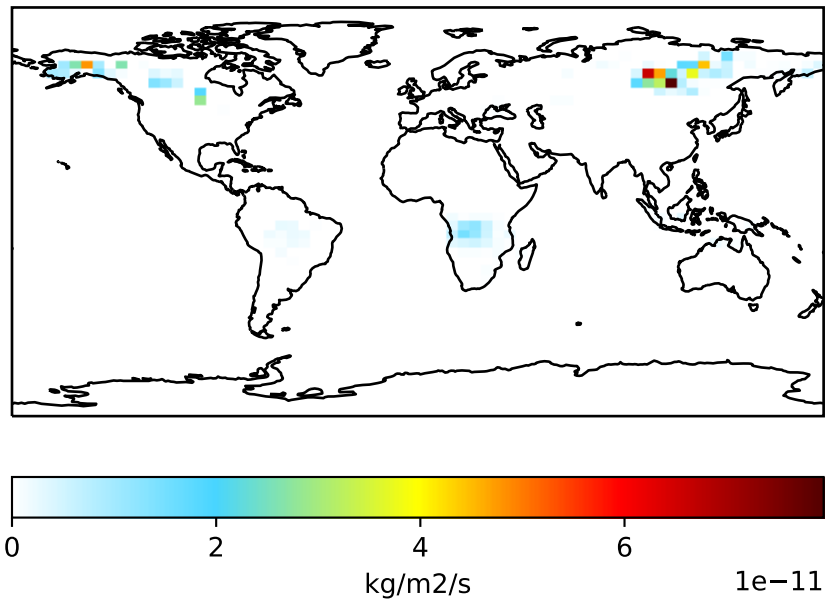




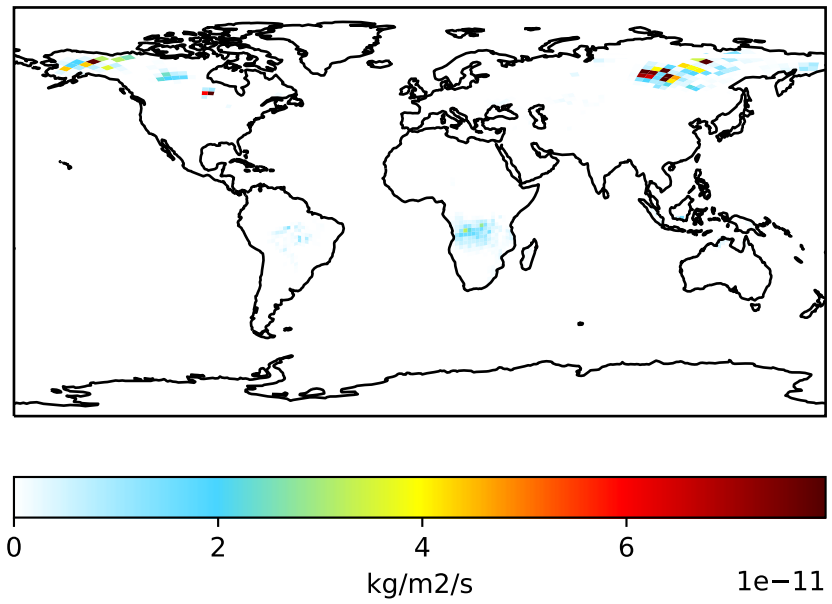
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unitless

EmisACET_BioBurn

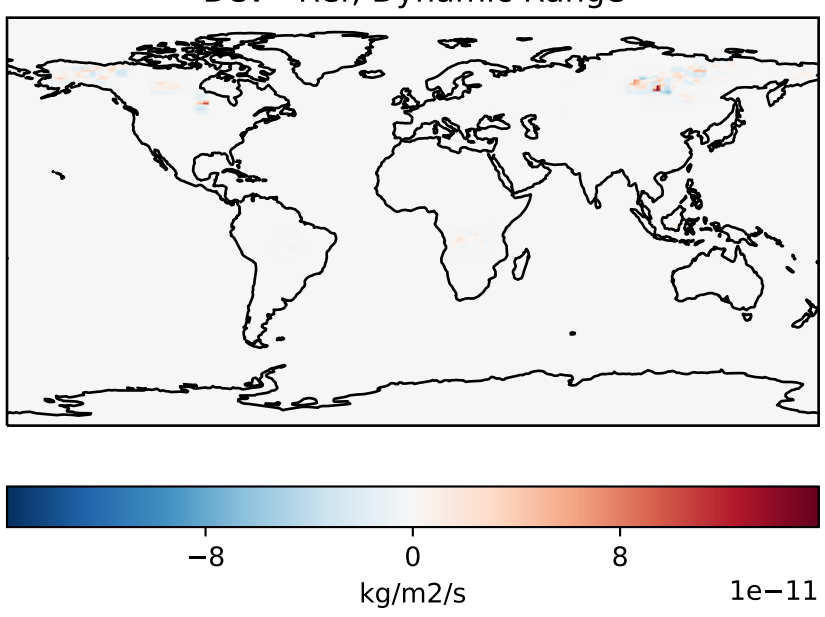
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



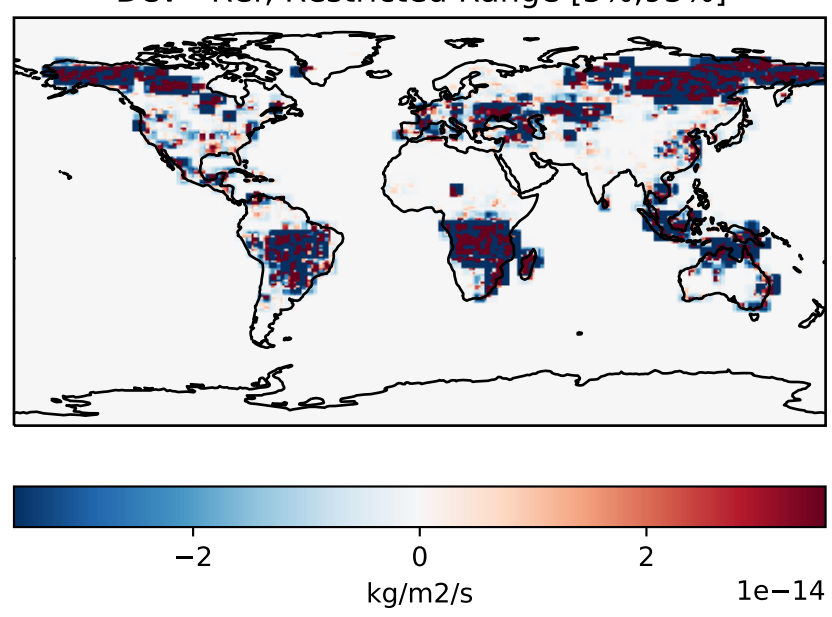
GCHP_13.3.0-rc.1 (Dev)
c48



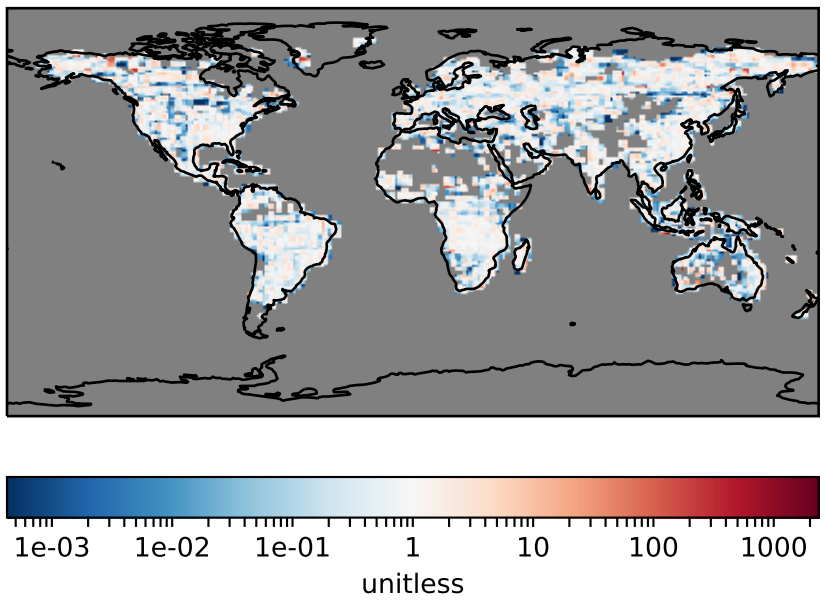
Difference (1x1.25)
Dev - Ref, Dynamic Range



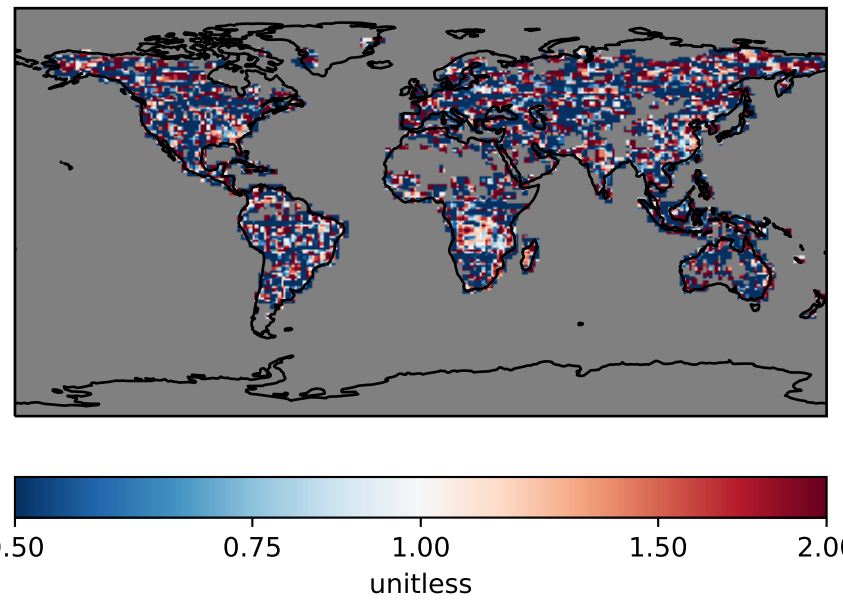
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

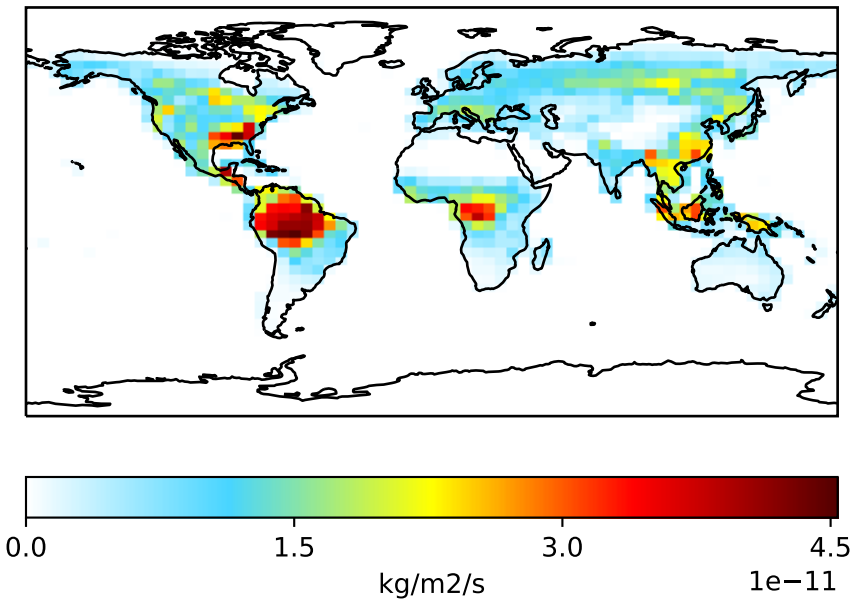


Ratio (1x1.25)
Dev/Ref, Fixed Range

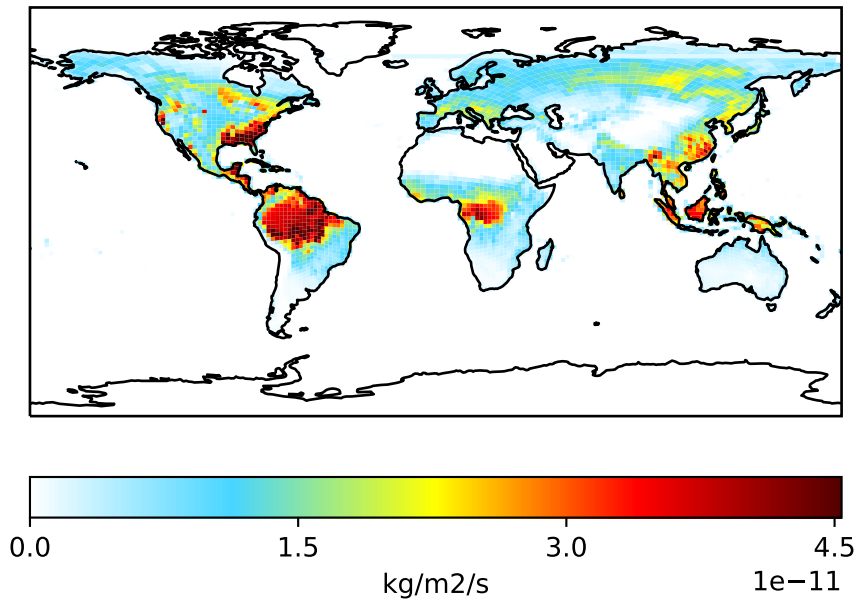


EmisACET_Biogenic

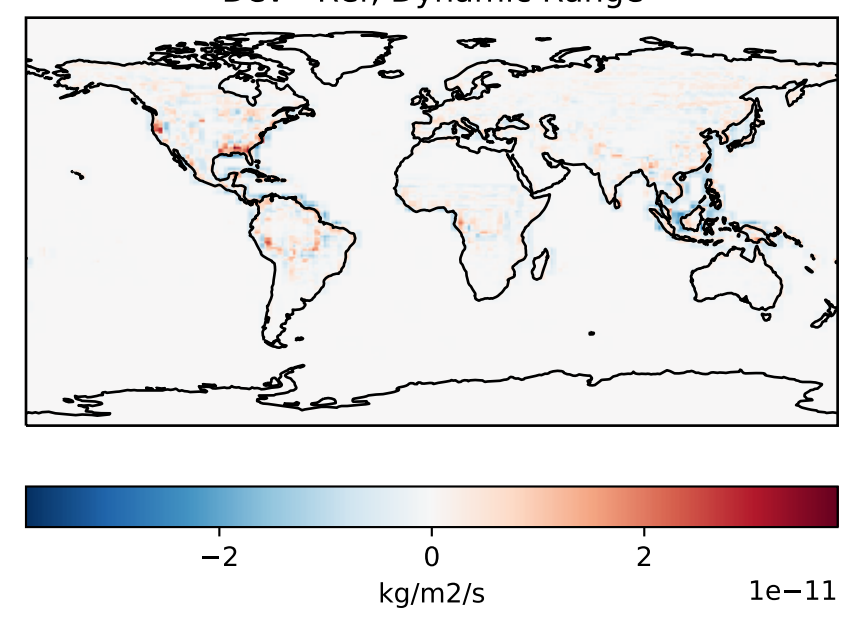
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



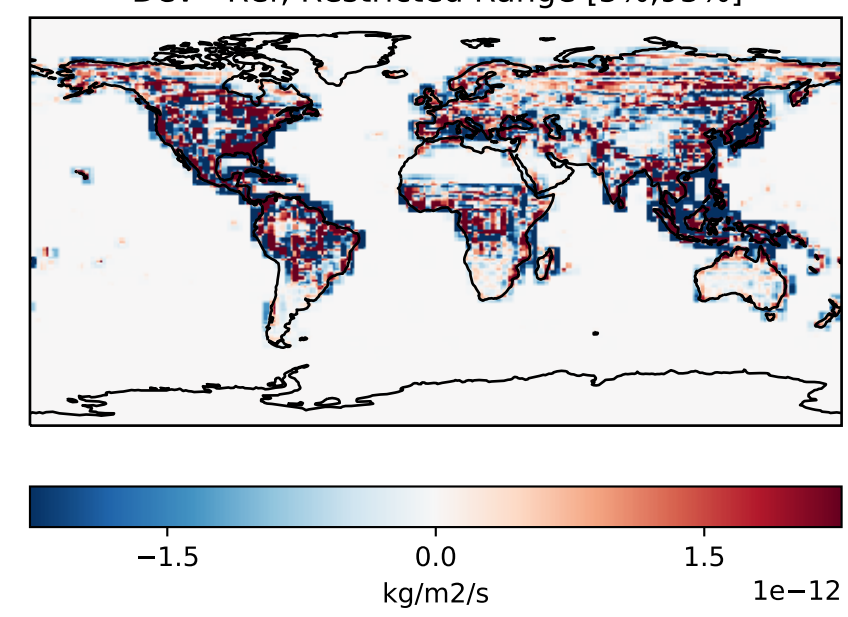
GCHP_13.3.0-rc.1 (Dev)
c48



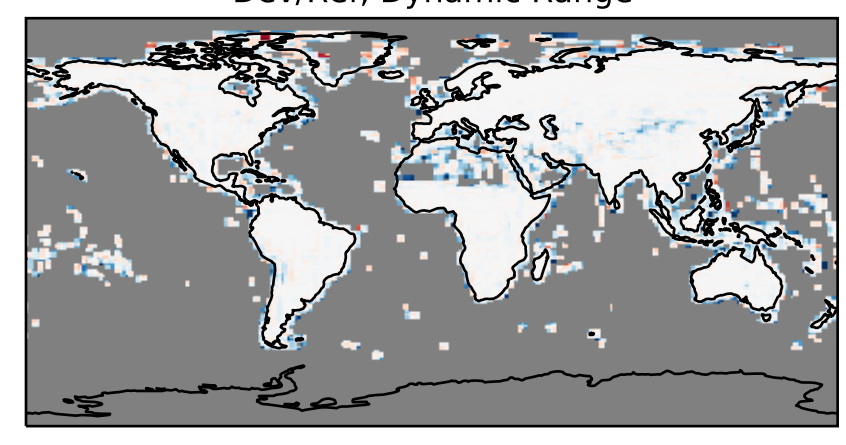
Difference (1x1.25)
Dev - Ref, Dynamic Range



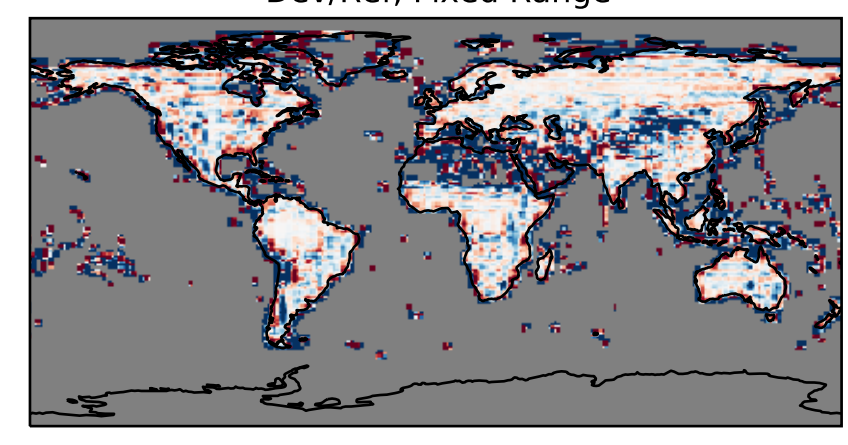
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

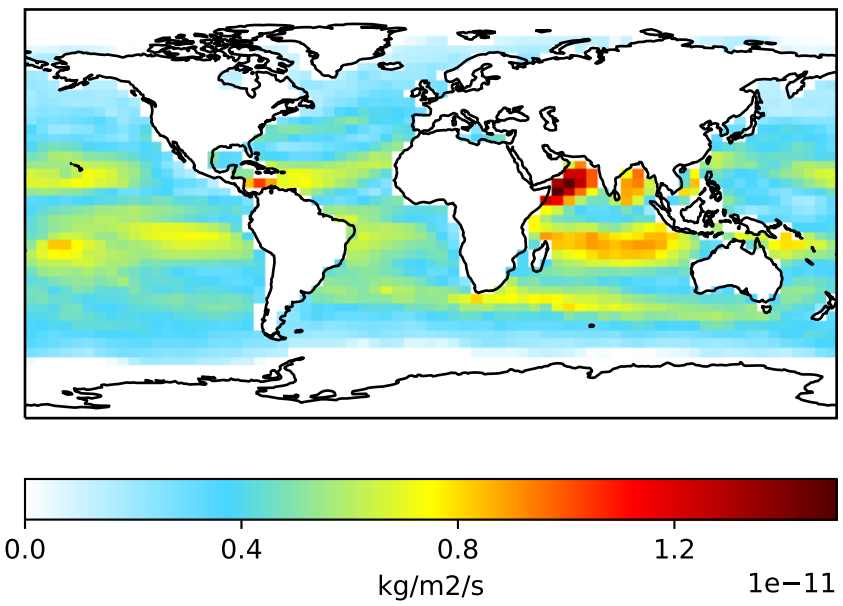


Ratio (1x1.25)
Dev/Ref, Fixed Range

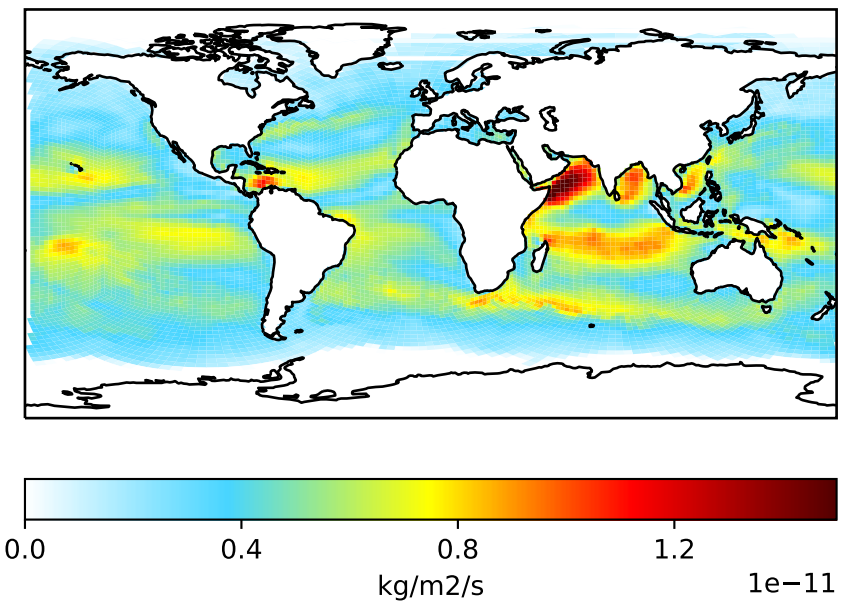


EmisACET_Ocean

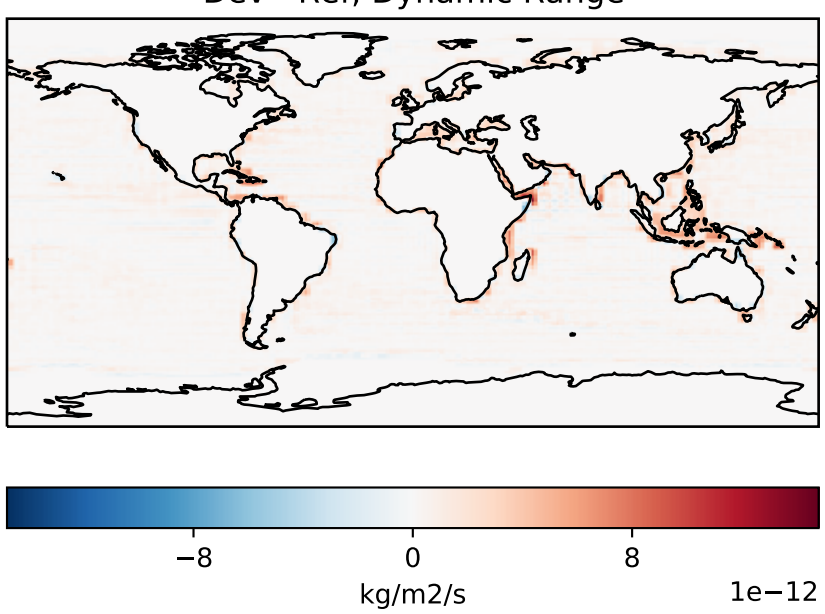
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



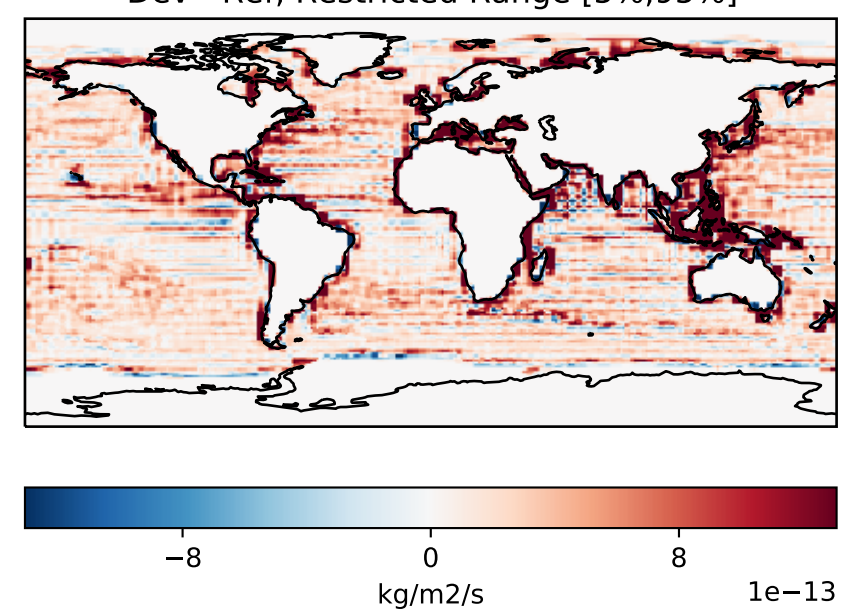
GCHP_13.3.0-rc.1 (Dev)
c48



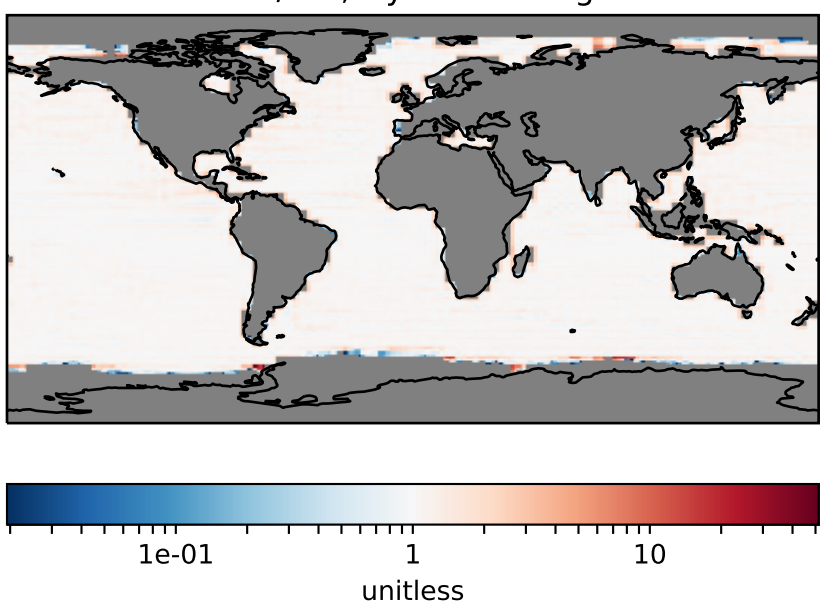
Difference (1x1.25)
Dev - Ref, Dynamic Range



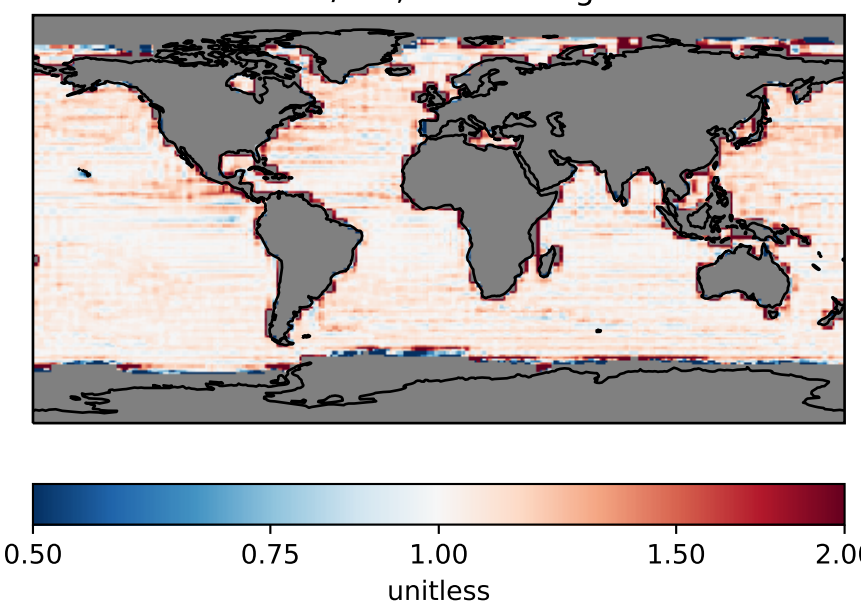
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

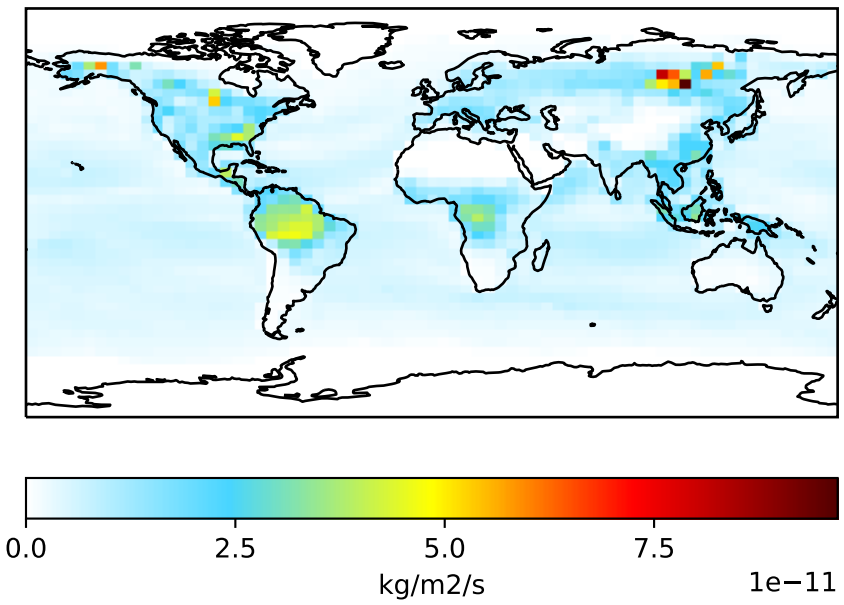


Ratio (1x1.25)
Dev/Ref, Fixed Range

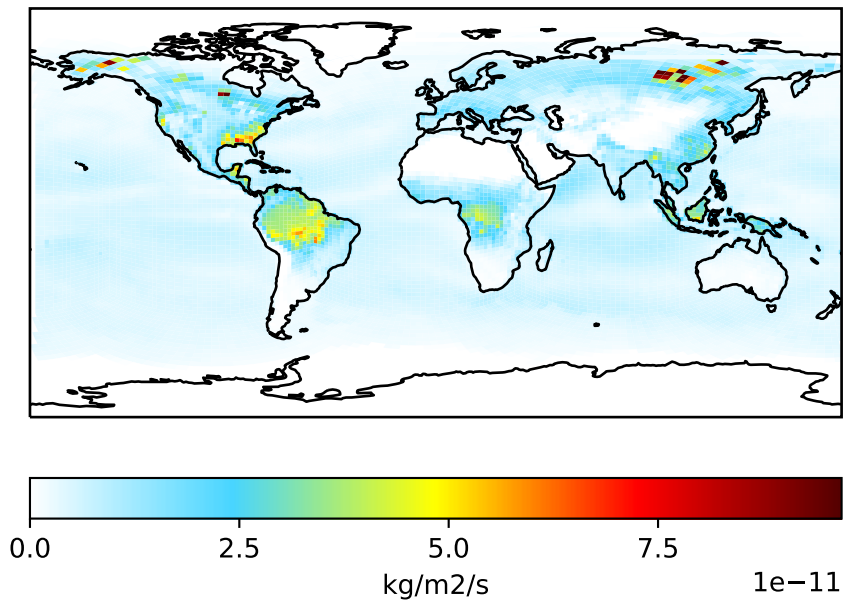


EmisACET_Total

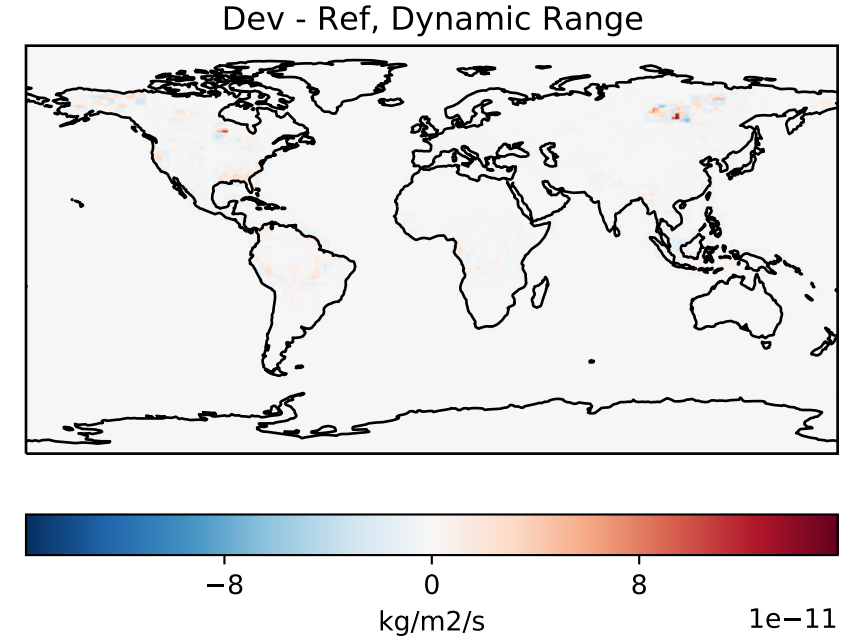
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



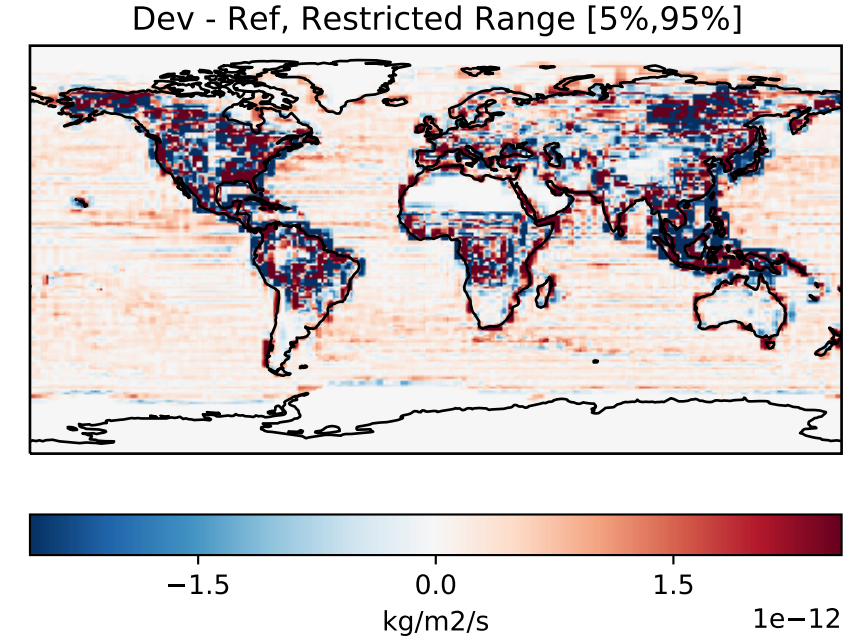
GCHP_13.3.0-rc.1 (Dev)
c48



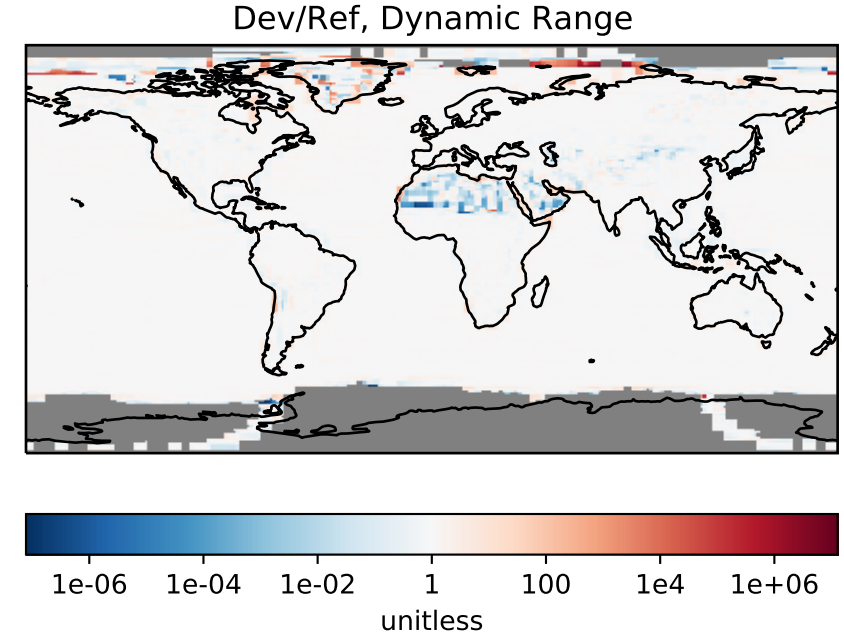
Difference (1x1.25)
Dev - Ref, Dynamic Range



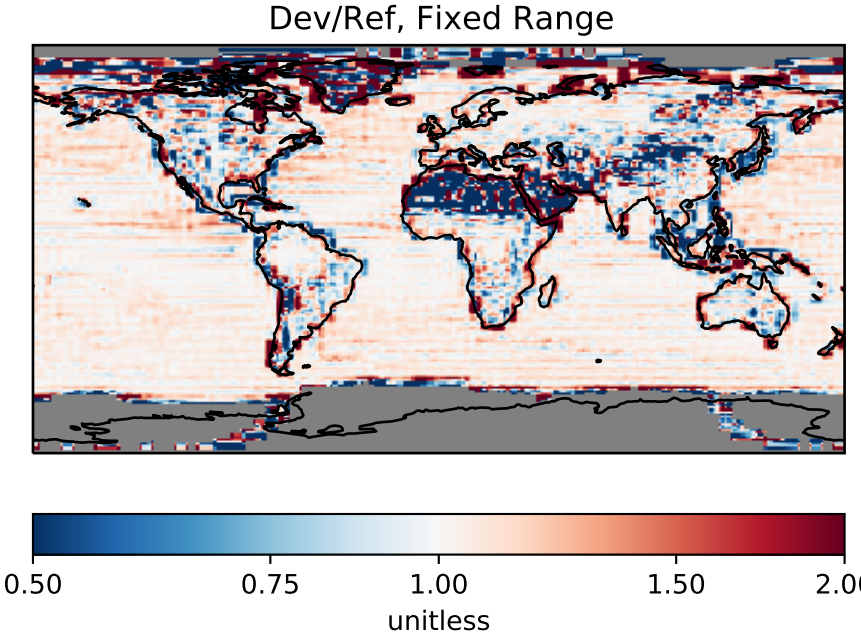
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

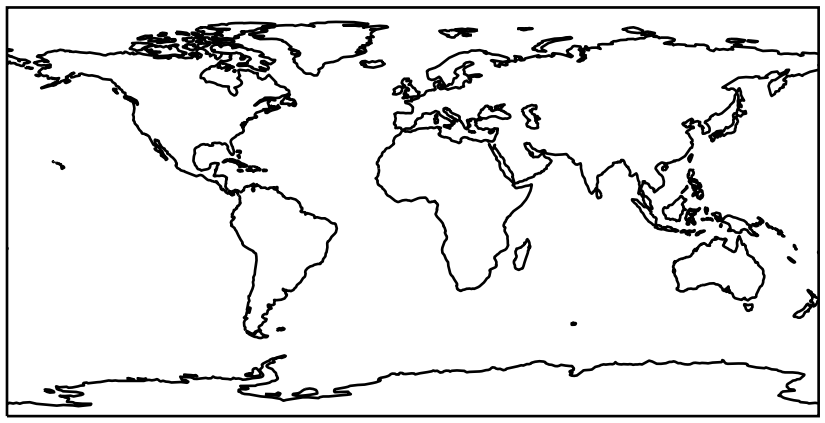


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisHAC_Anthro

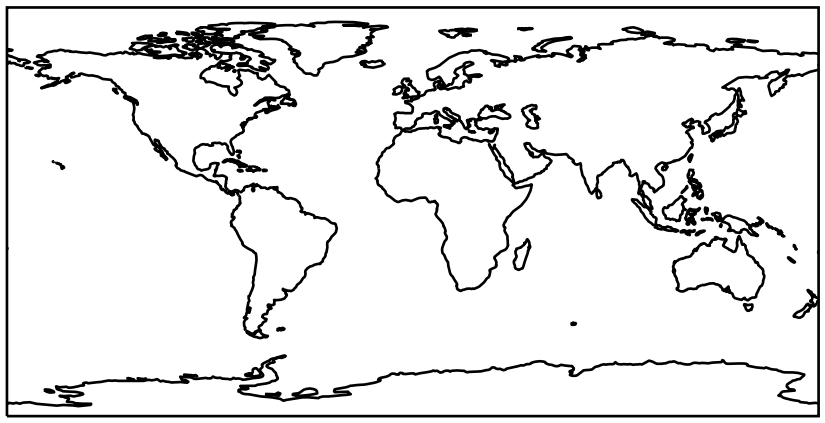
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4.0x5.0





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kg/m2/s

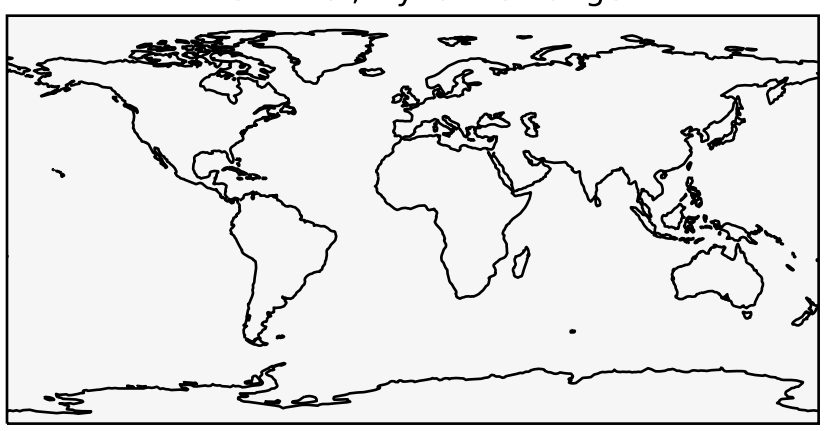
GCHP_13.3.0-rc.1 (Dev)
c48





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kg/m2/s

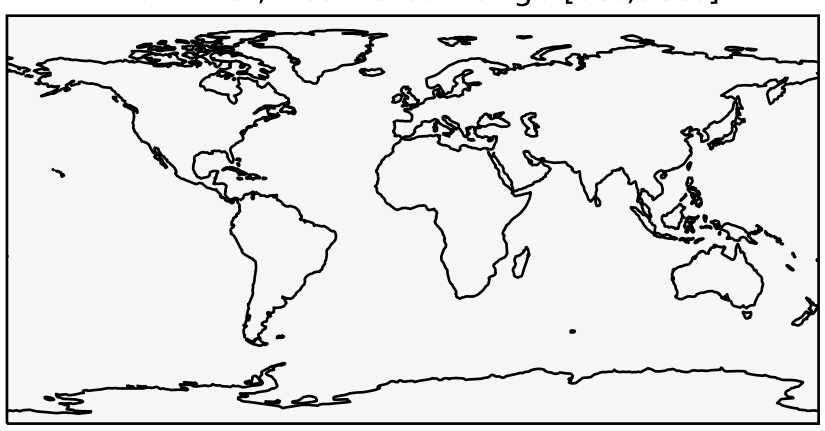
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

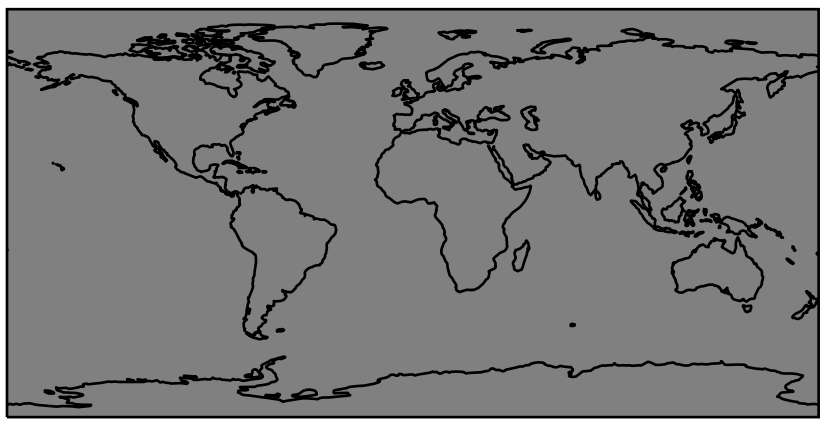
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

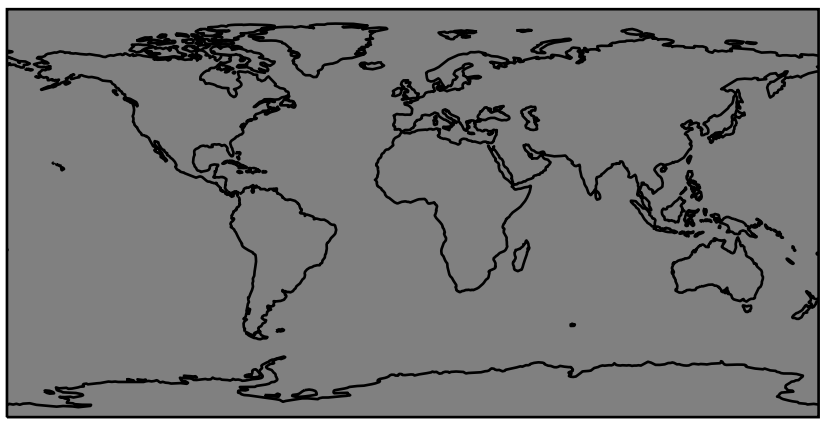
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

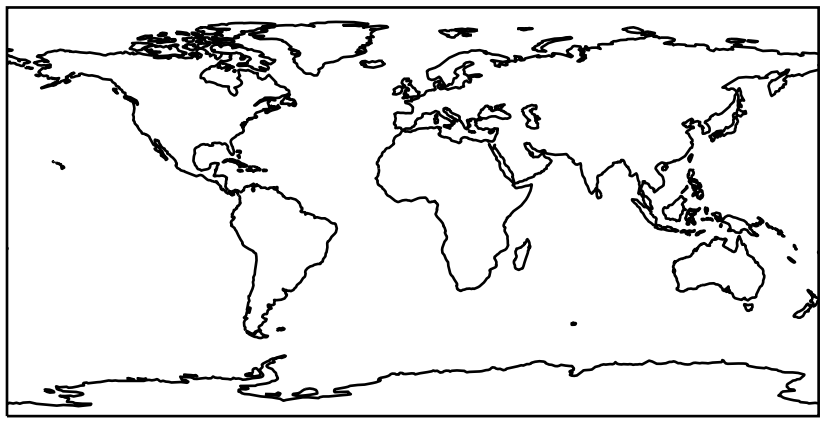




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unitless

EmisHAC_Total

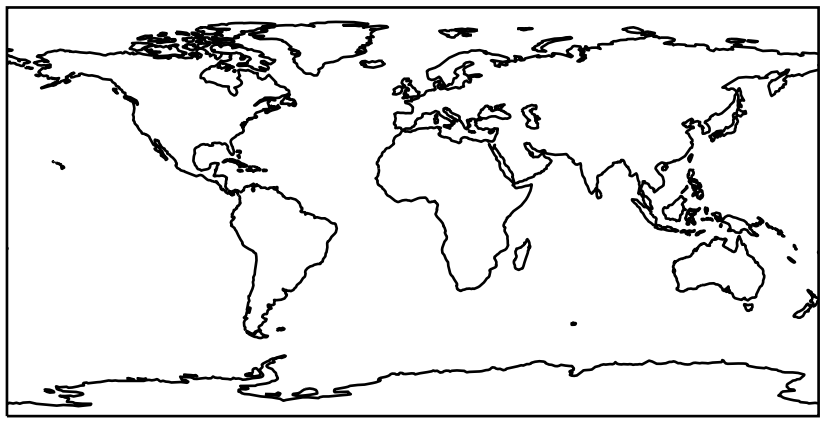
GCC_13.3.0-rc.1 (Ref)
4.0x5.0





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kg/m2/s

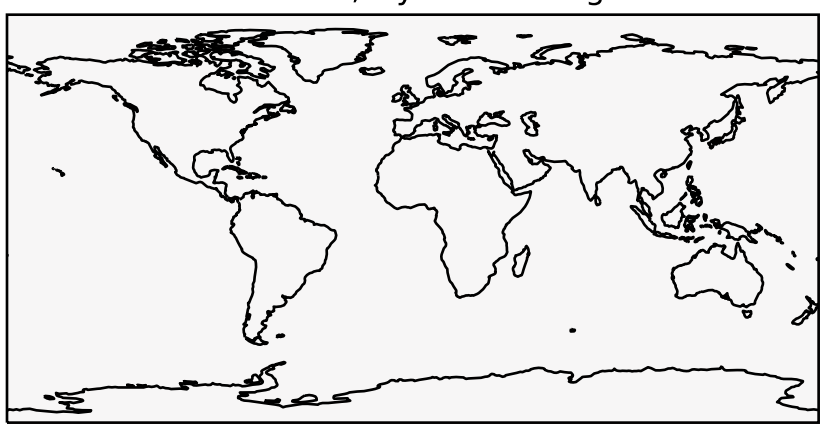
GCHP_13.3.0-rc.1 (Dev)
c48





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kg/m2/s

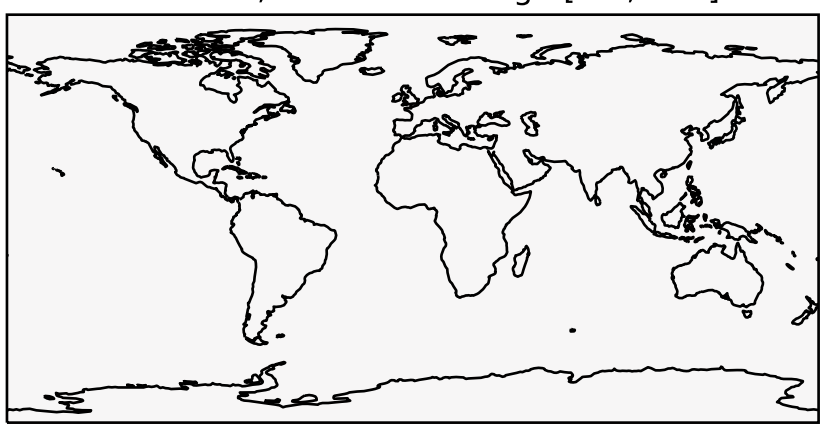
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

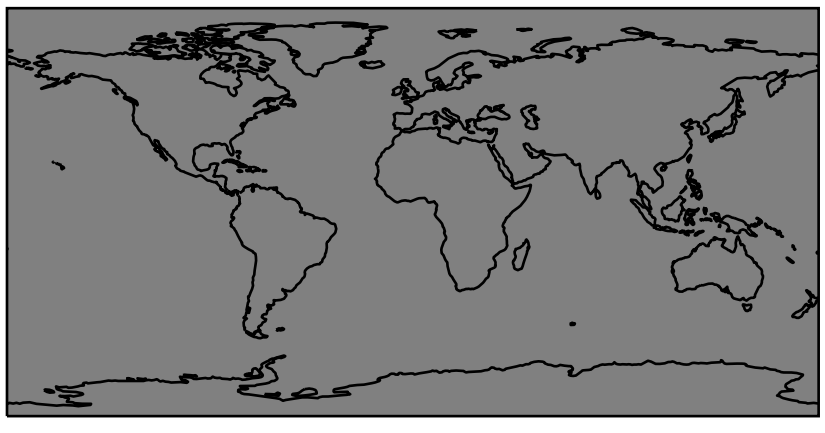
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

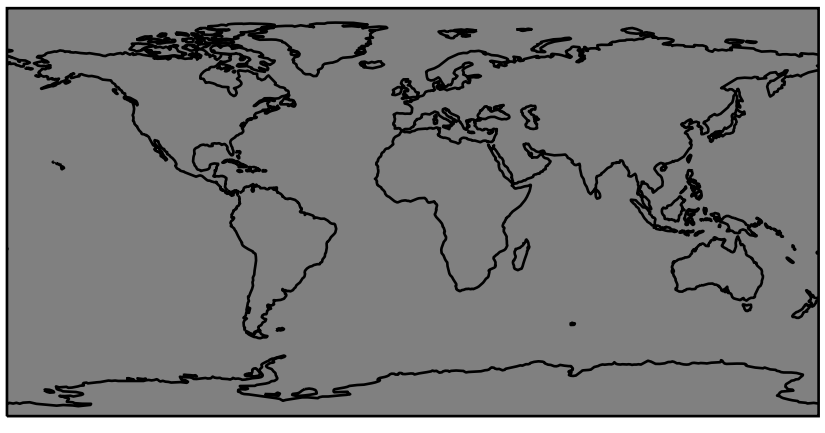
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

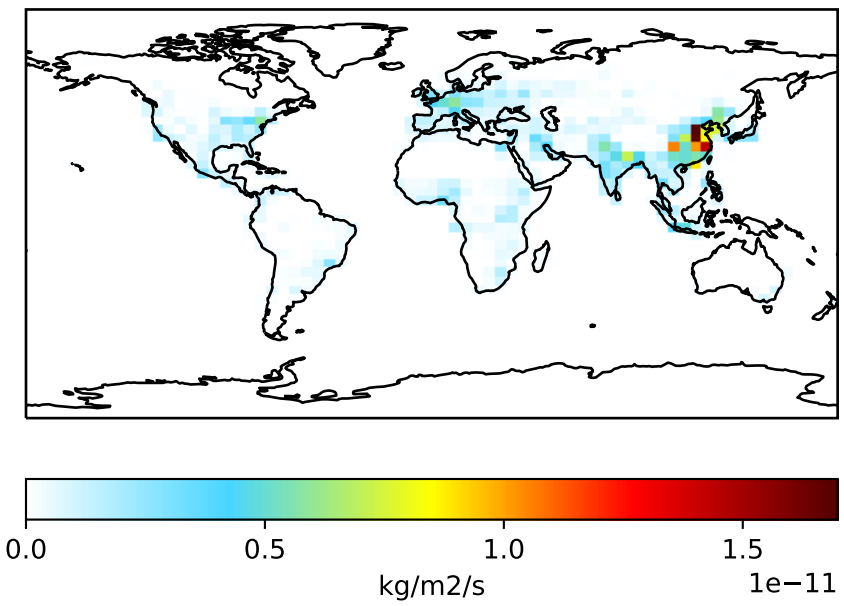




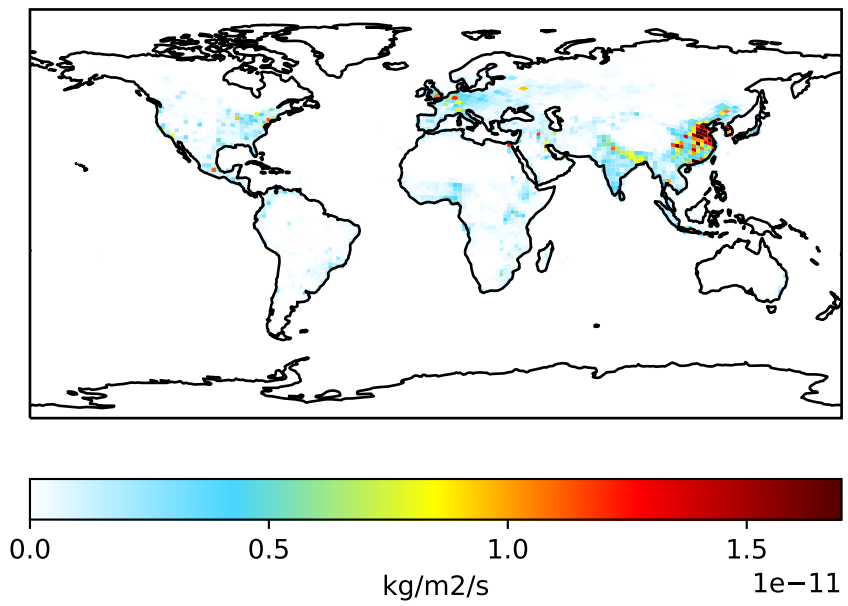
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EmisMEK_Anthro

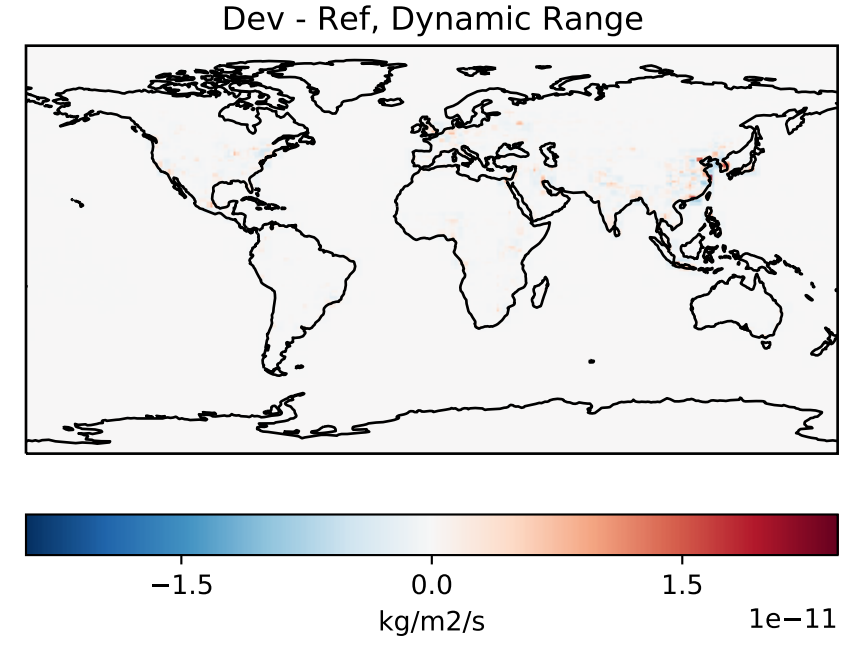
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



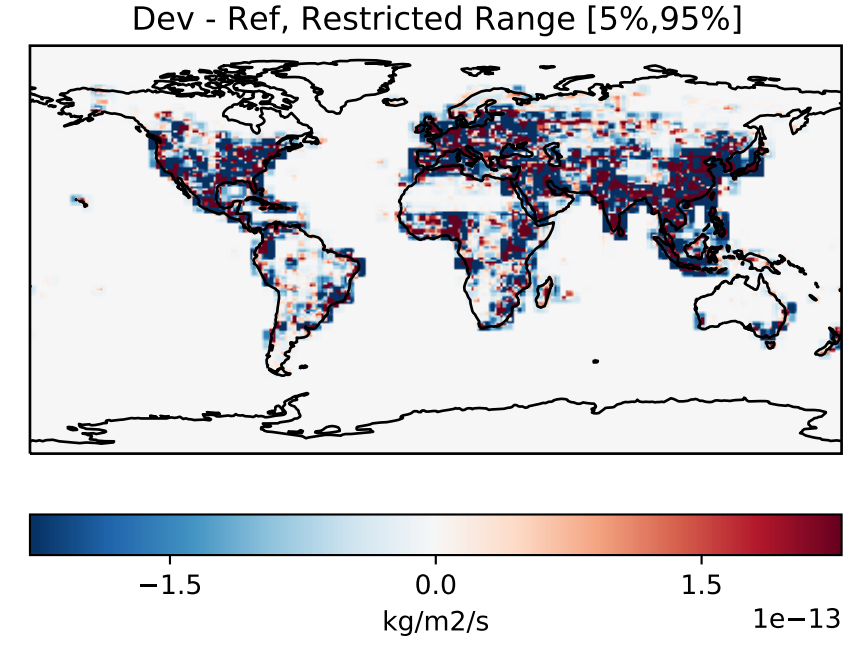
GCHP_13.3.0-rc.1 (Dev)
c48



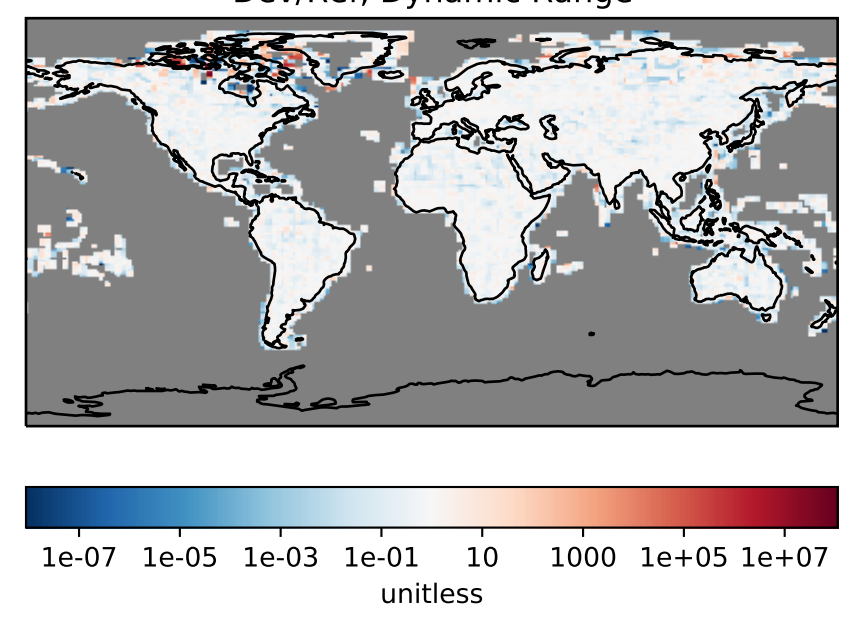
Difference (1x1.25)
Dev - Ref, Dynamic Range



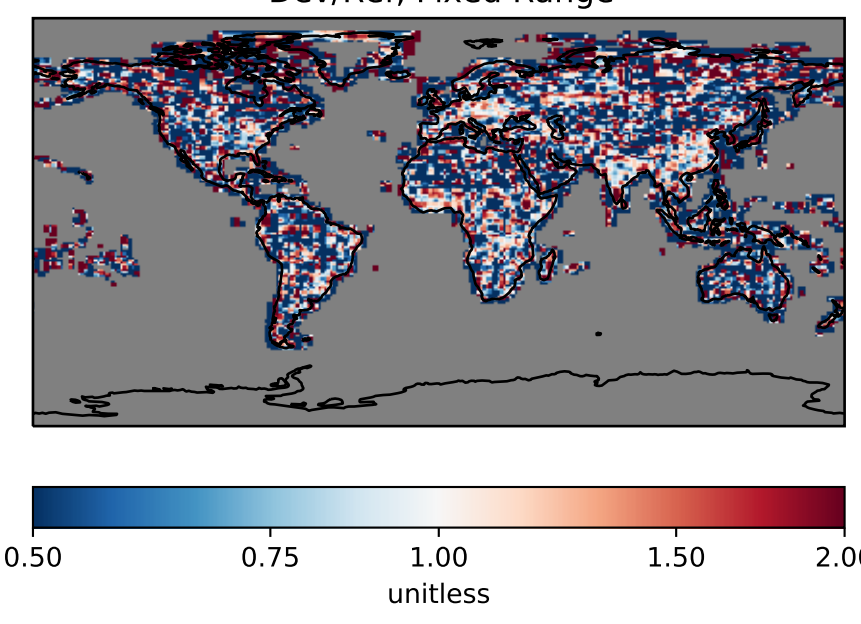
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

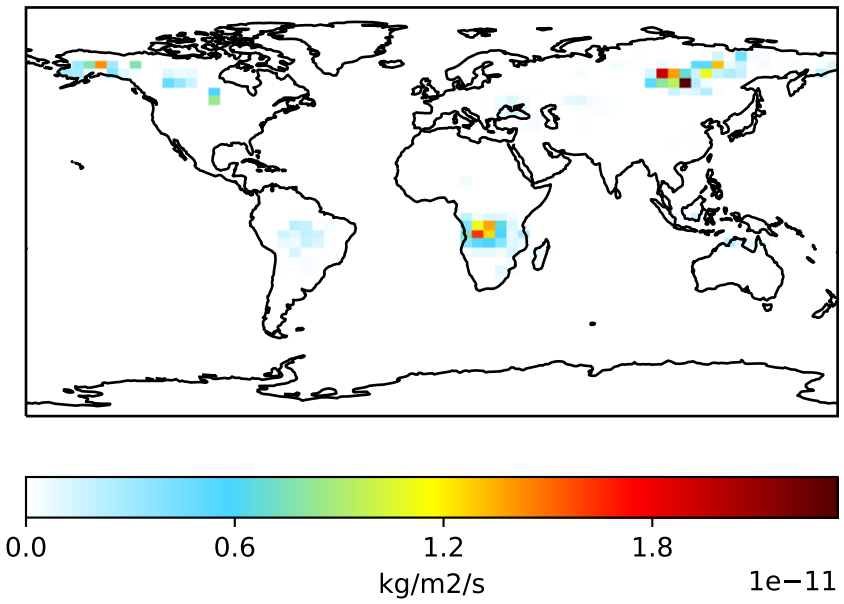


Ratio (1x1.25)
Dev/Ref, Fixed Range

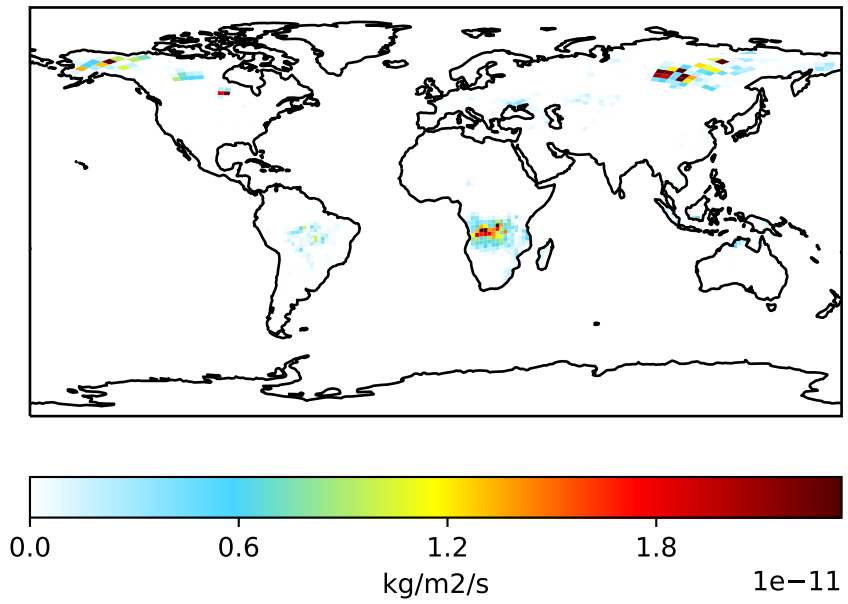


EmisMEK_BioBurn

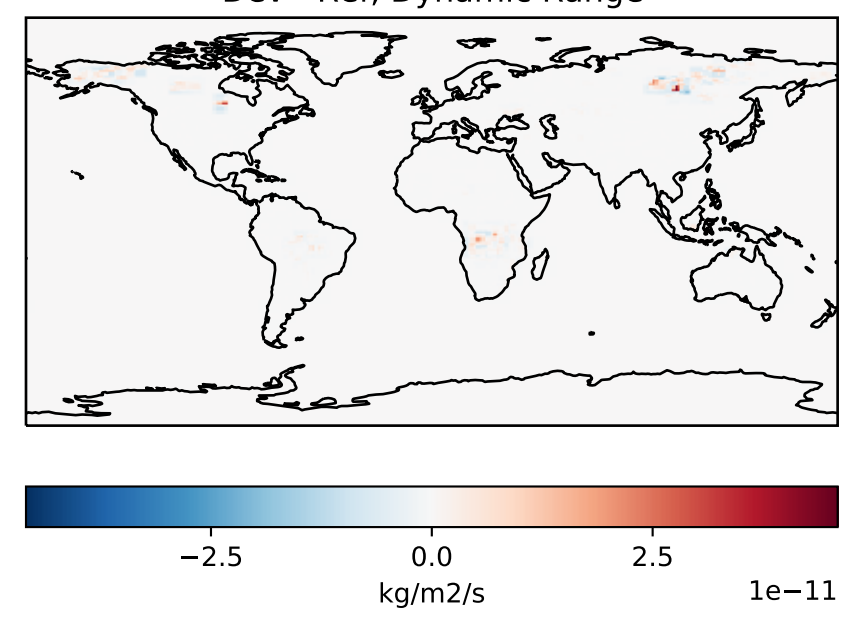
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



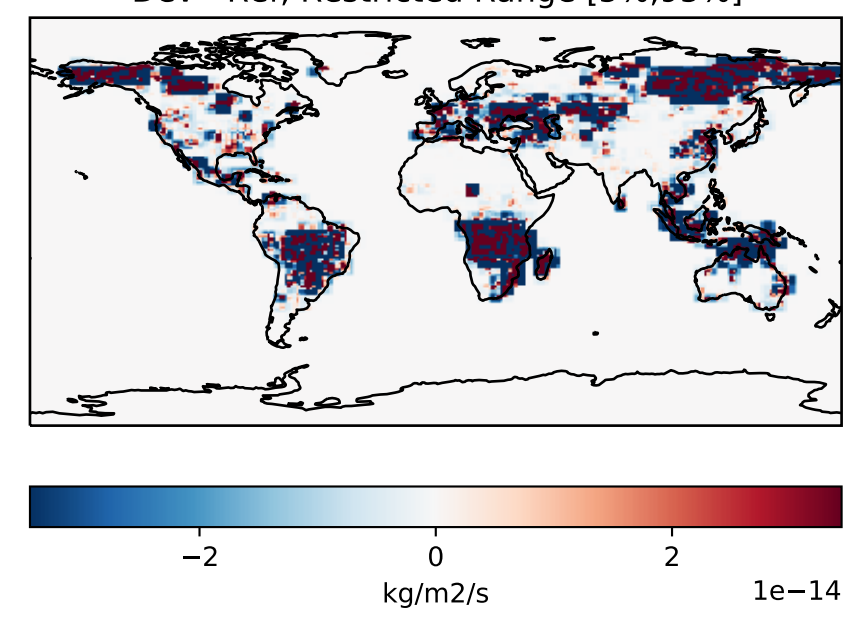
GCHP_13.3.0-rc.1 (Dev)
c48



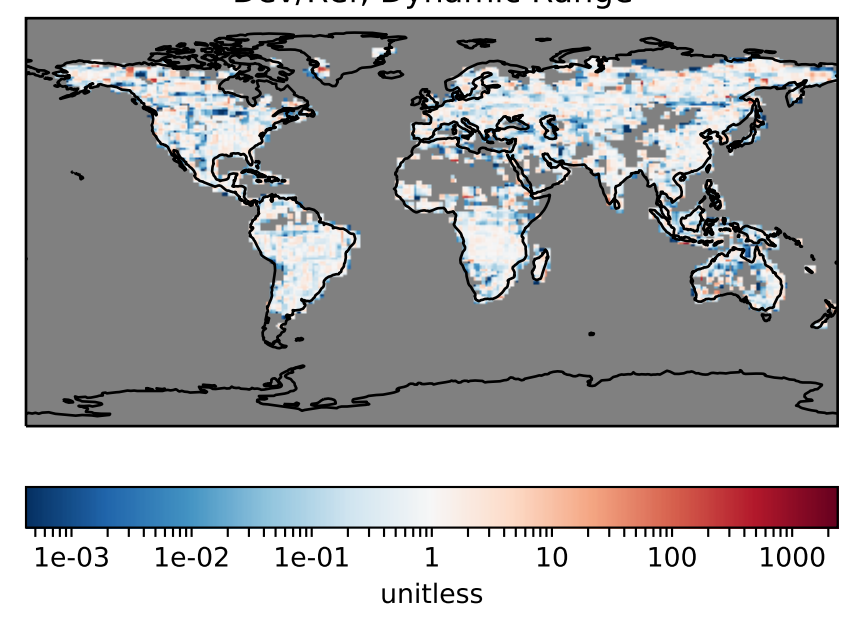
Difference (1x1.25)
Dev - Ref, Dynamic Range



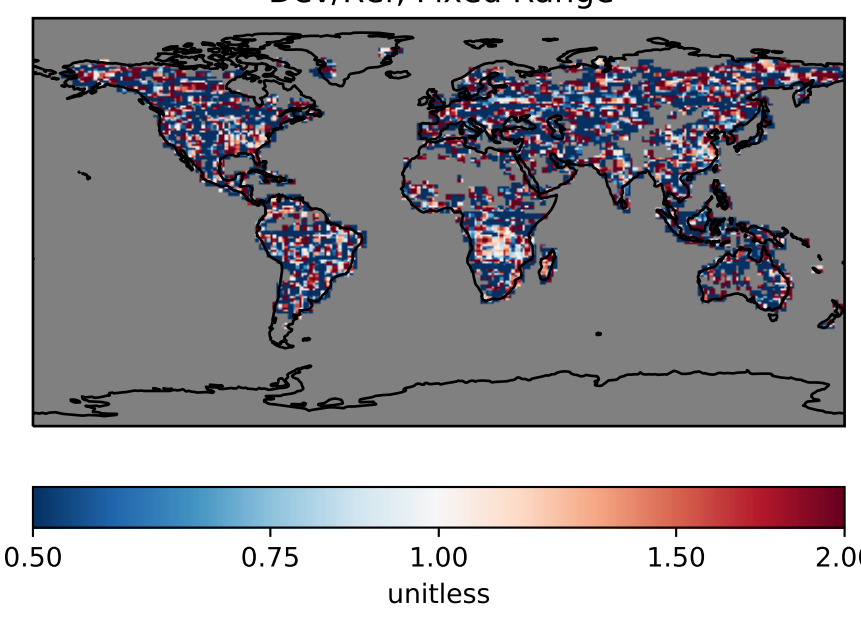
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

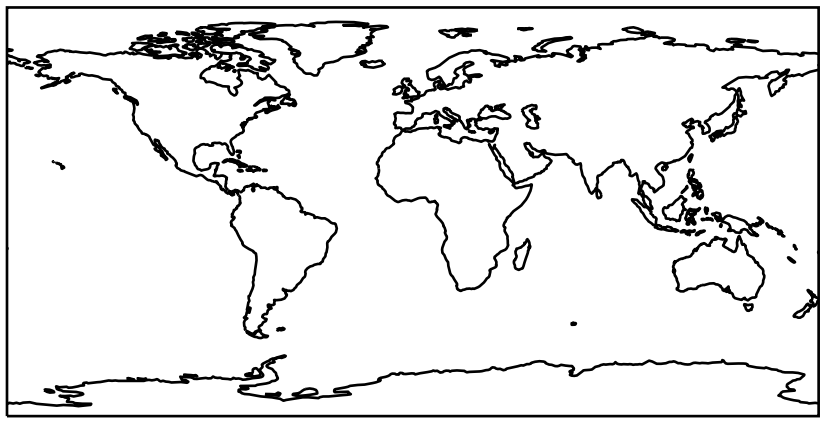


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisMEK_Ship

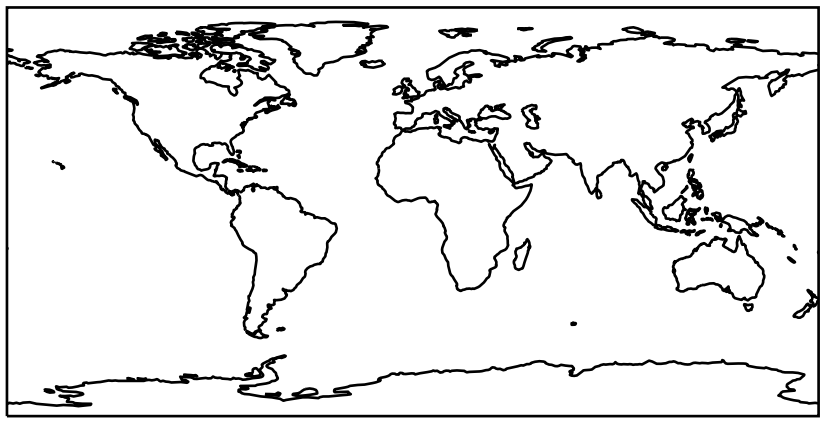
GCC_13.3.0-rc.1 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

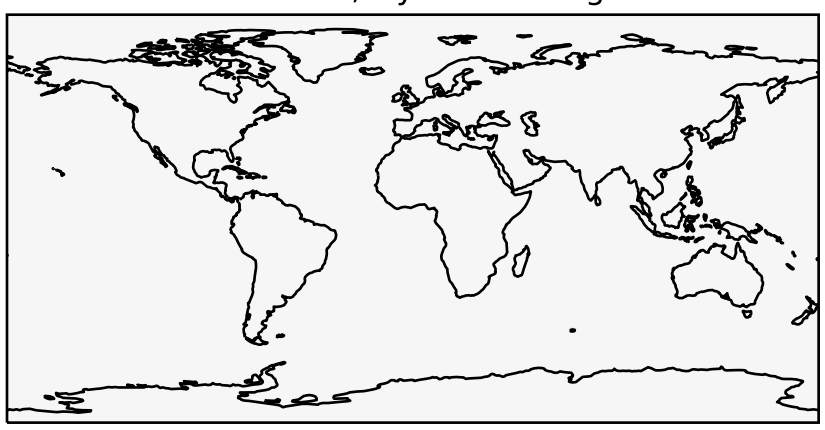
GCHP_13.3.0-rc.1 (Dev)
c48





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kg/m2/s

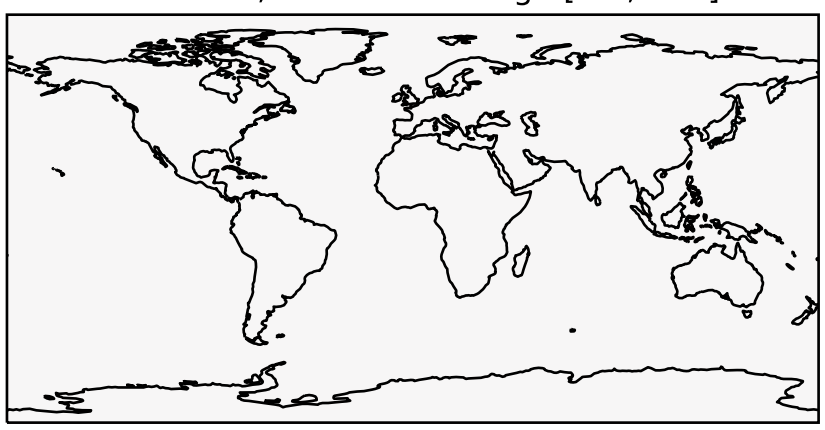
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

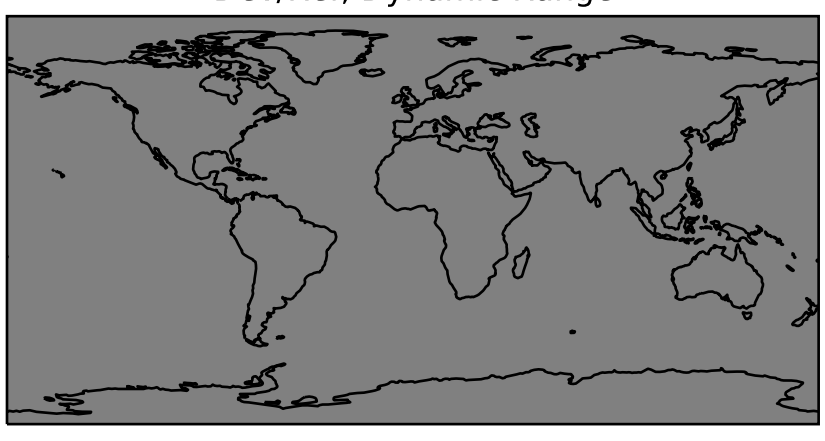
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

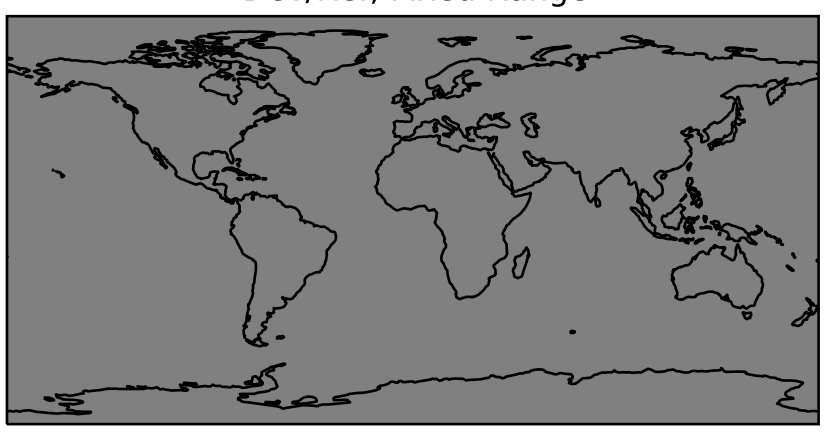
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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unitless

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

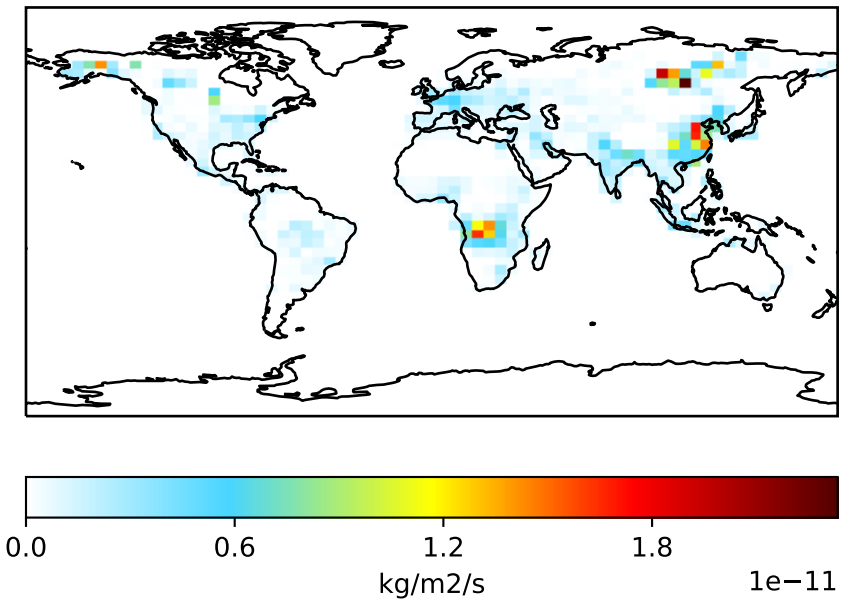




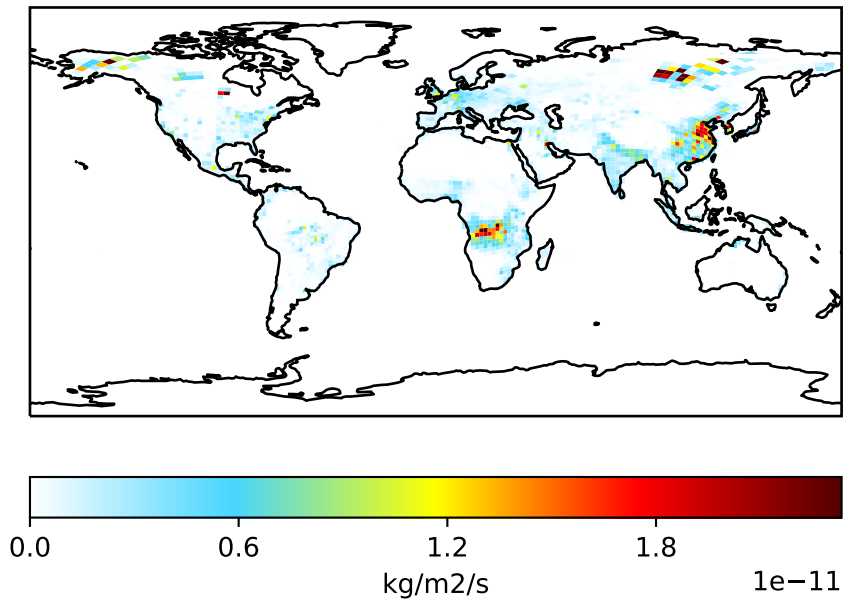
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EmisMEK_Total

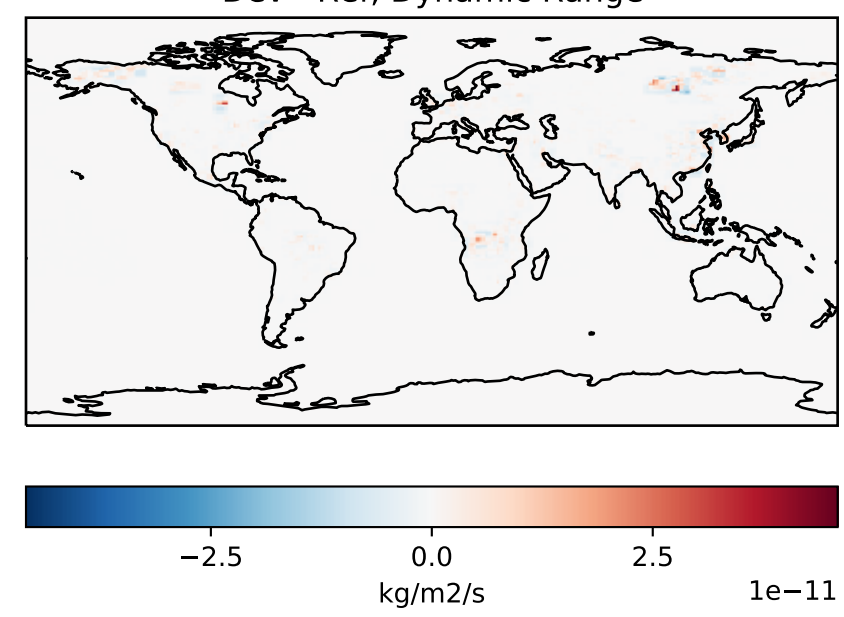
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



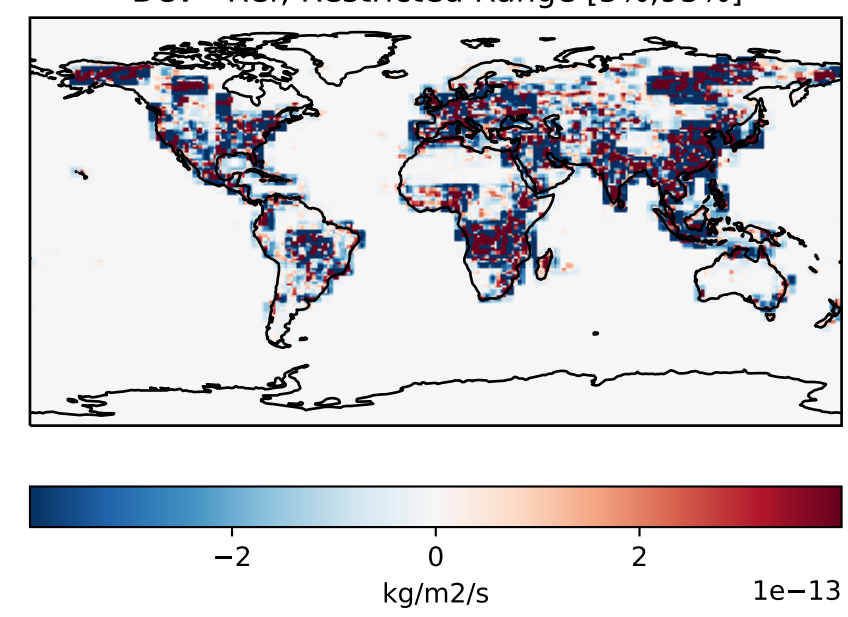
GCHP_13.3.0-rc.1 (Dev)
c48



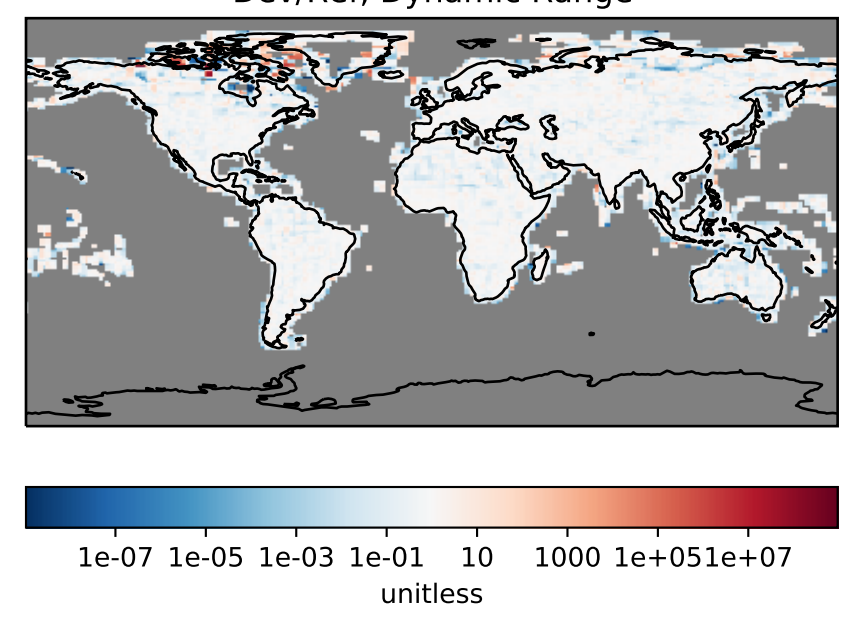
Difference (1x1.25)
Dev - Ref, Dynamic Range



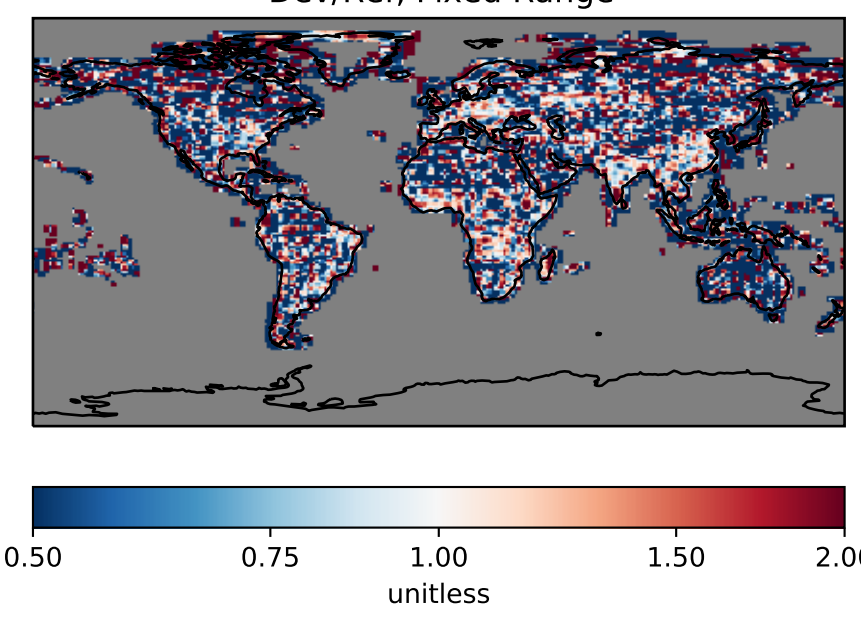
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

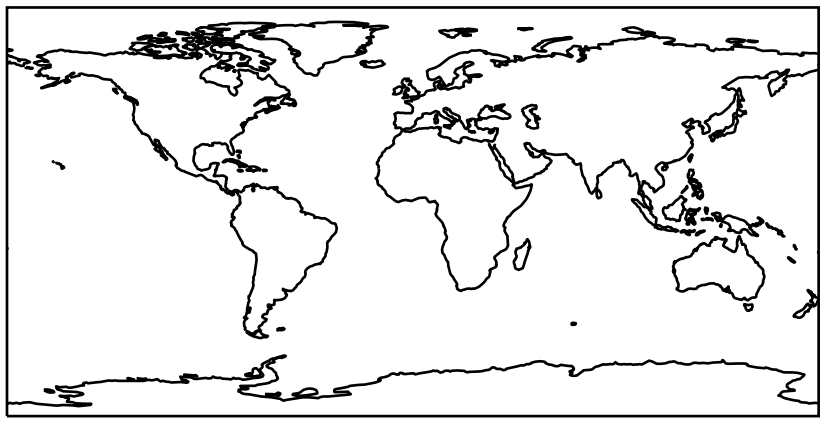


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisMVK_Anthro

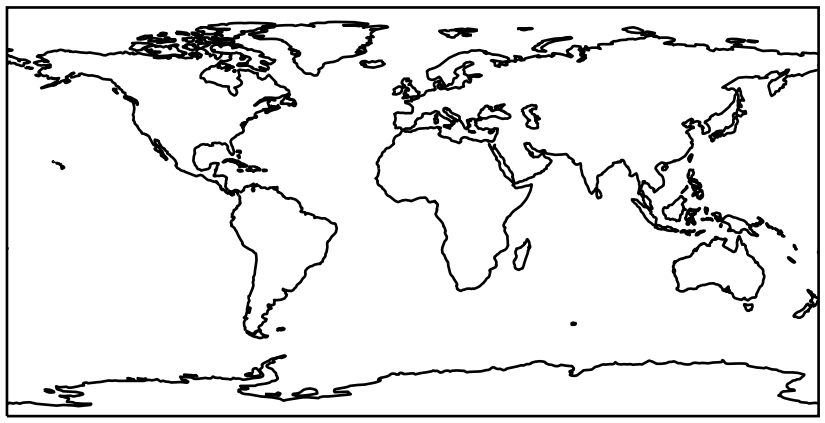
GCC_13.3.0-rc.1 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

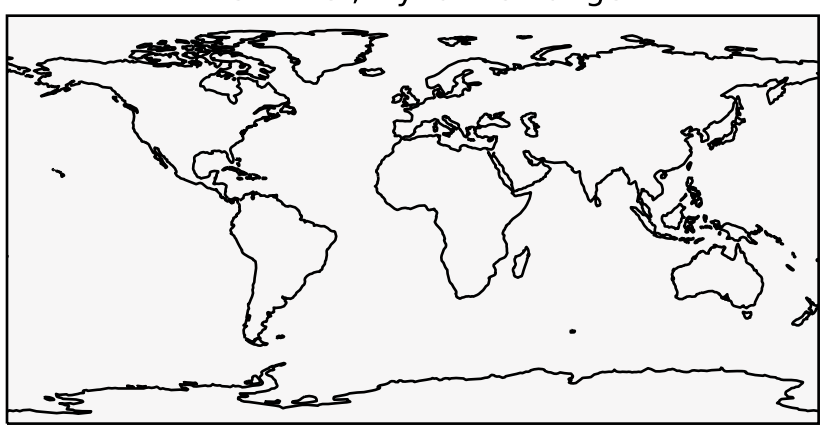
GCHP_13.3.0-rc.1 (Dev)
c48





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kg/m2/s

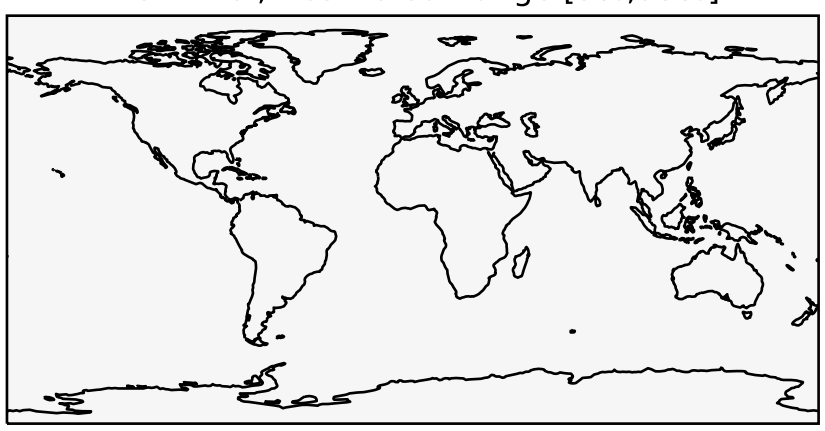
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

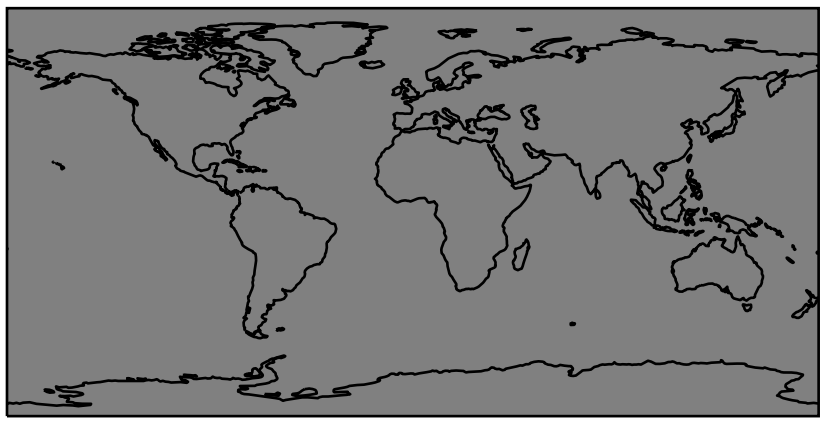
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

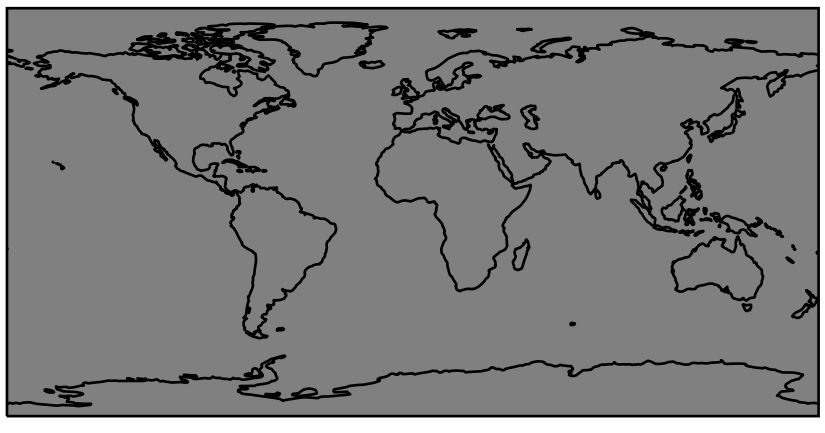
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

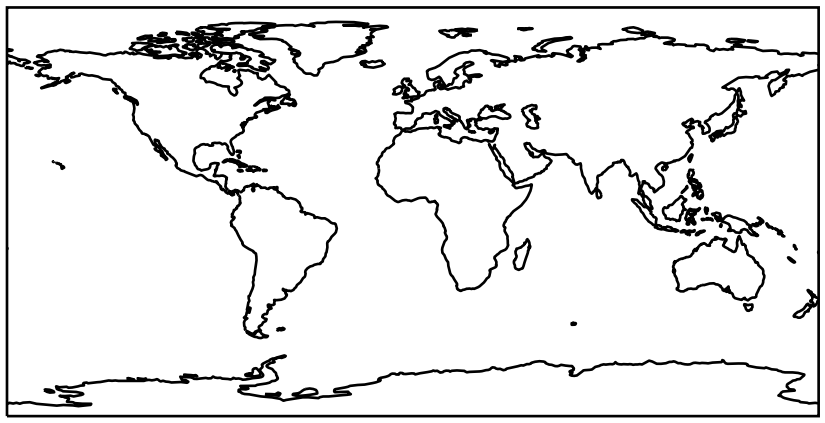




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EmisGLYC_Anthro

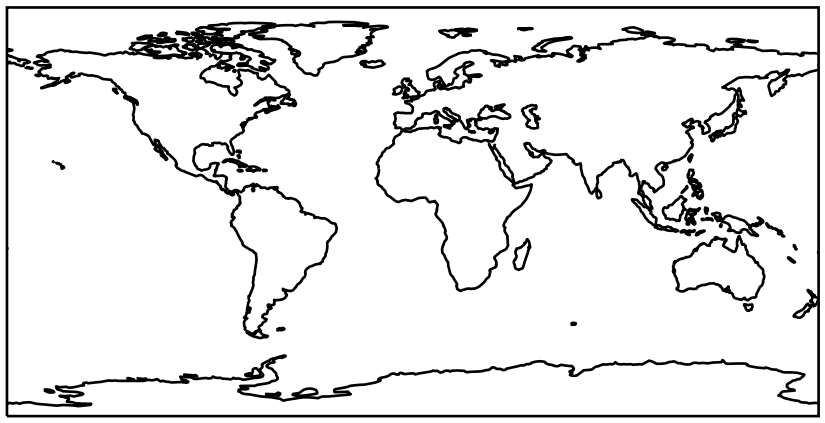
GCC_13.3.0-rc.1 (Ref)
4.0x5.0





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kg/m2/s

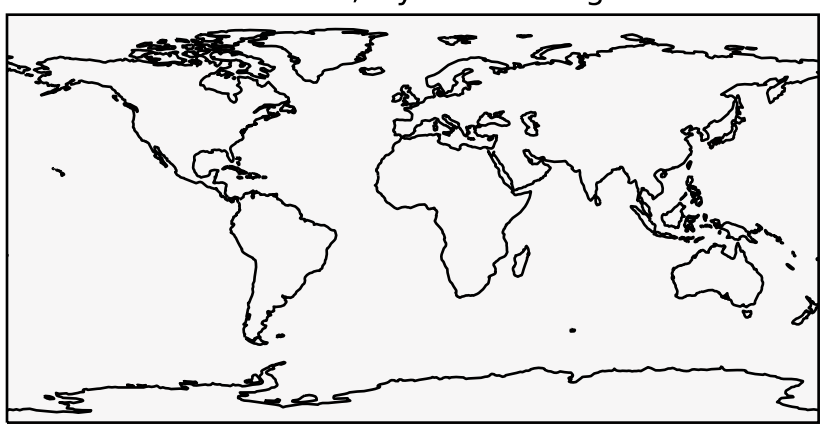
GCHP_13.3.0-rc.1 (Dev)
c48





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kg/m2/s

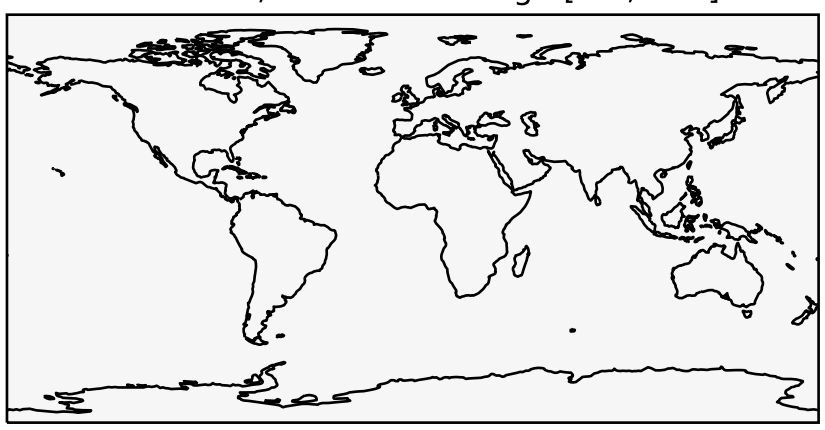
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

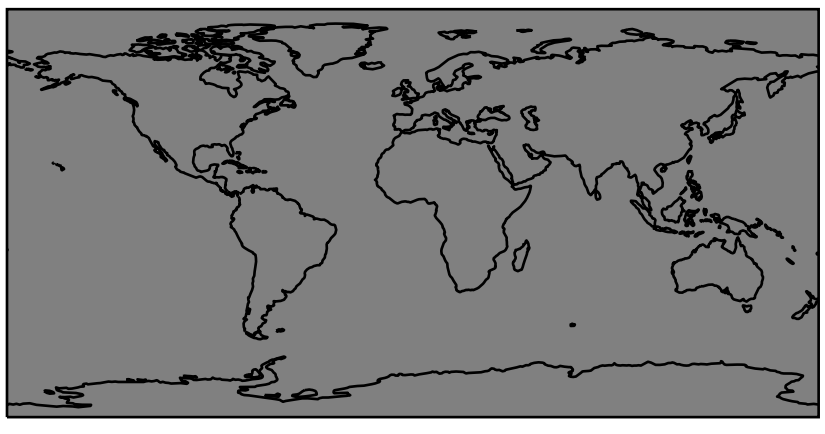
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Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

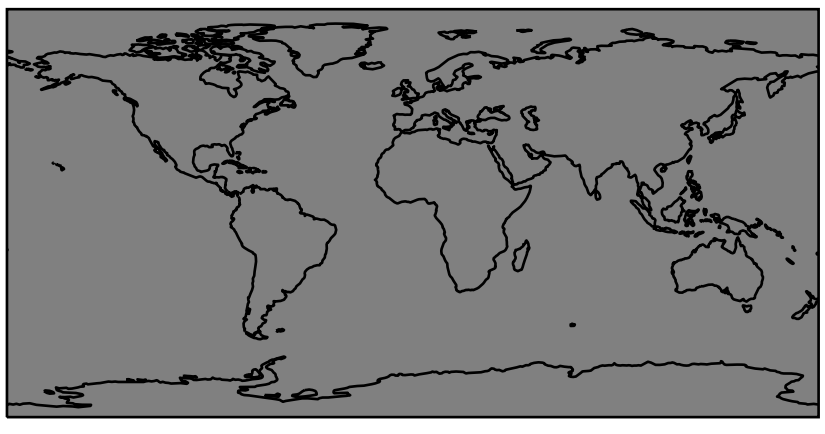
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

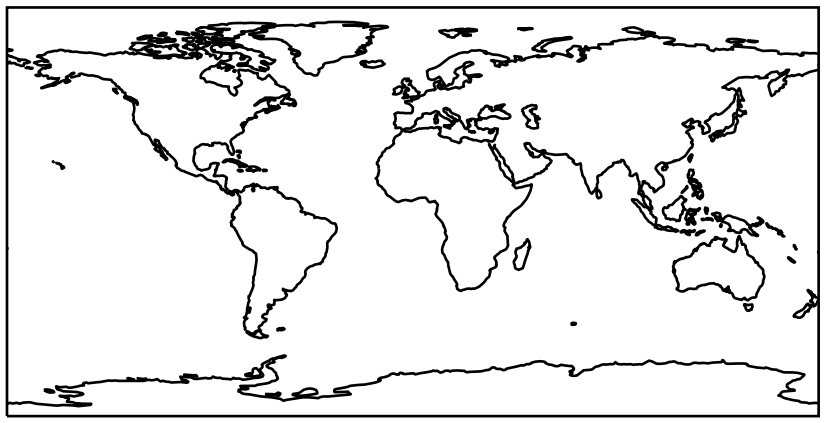




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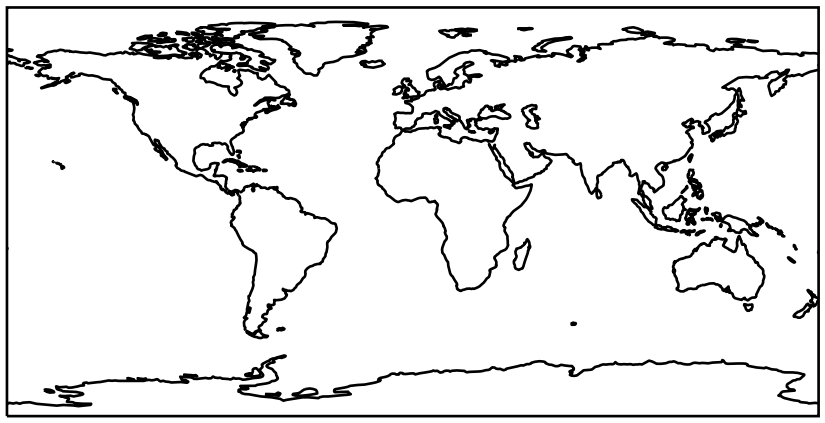
EmisGLYC_Total

GCC_13.3.0-rc.1 (Ref)
4.0x5.0



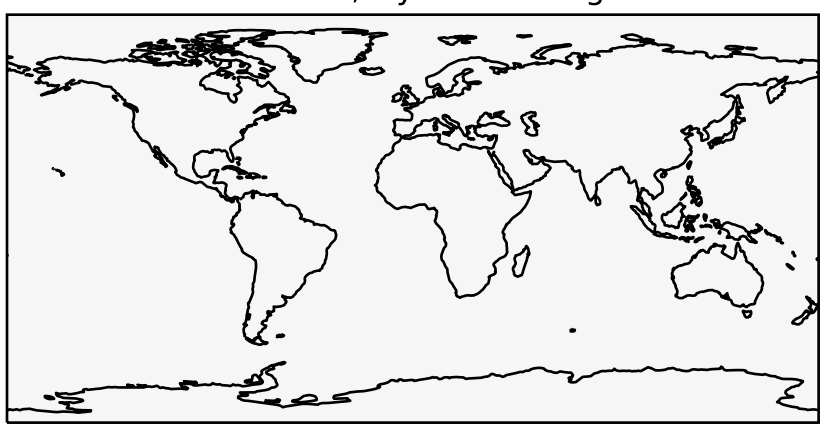
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kg/m2/s

GCHP_13.3.0-rc.1 (Dev)
c48



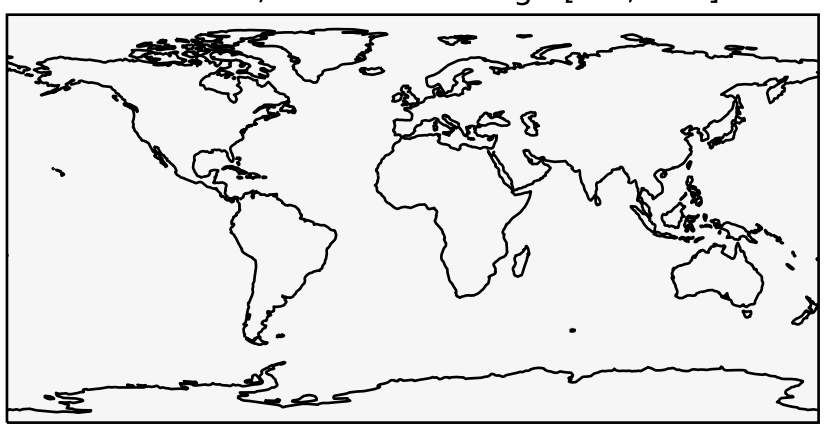
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kg/m2/s

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



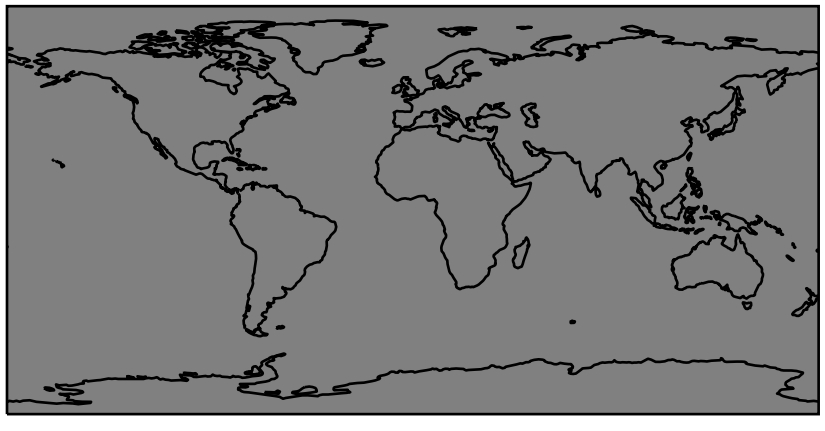
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kg/m2/s

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



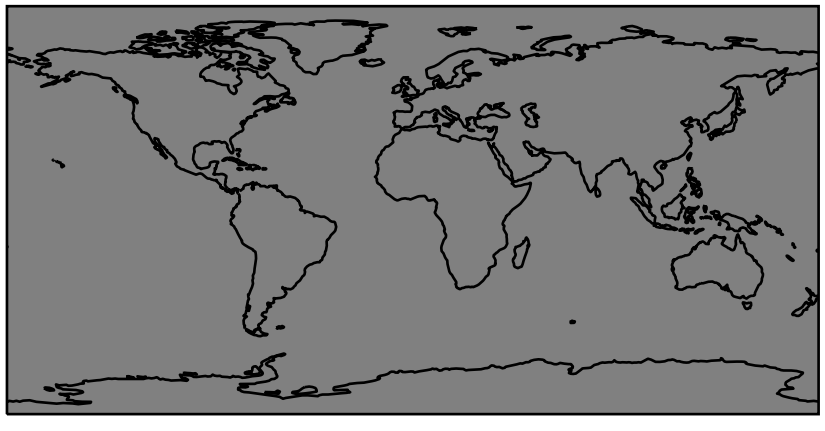
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kg/m2/s

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



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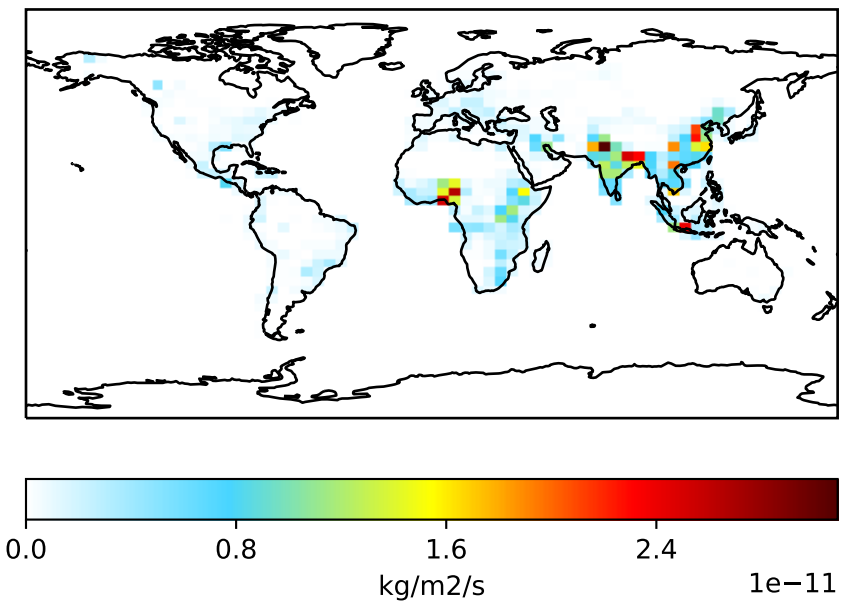
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Dev/Ref, Fixed Range



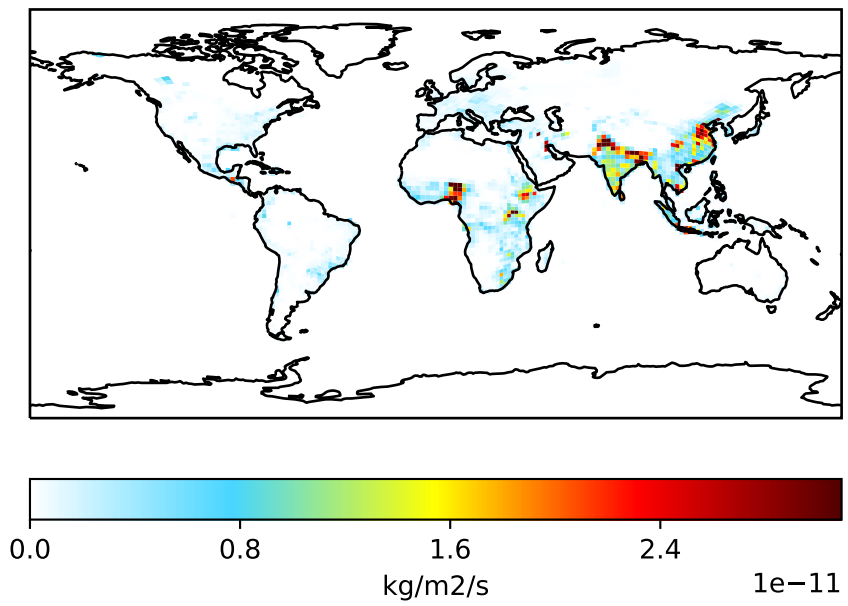
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EmisHCOOH_Anthro

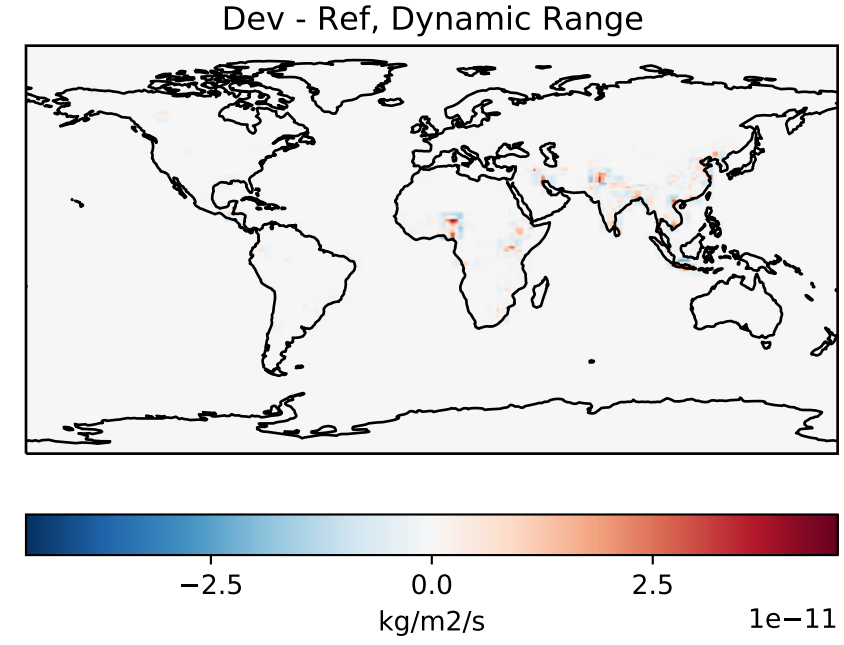
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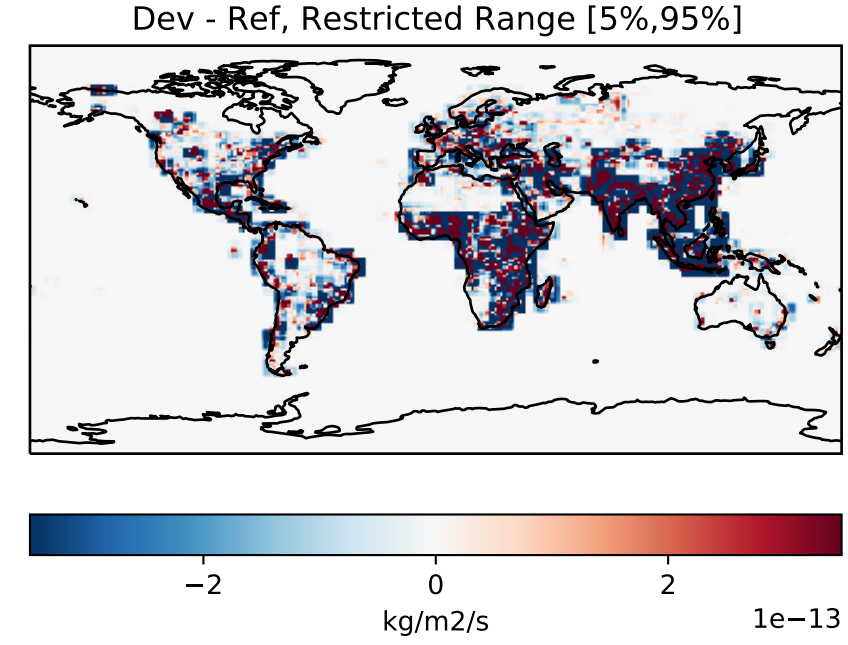
GCHP_13.3.0-rc.1 (Dev)
c48



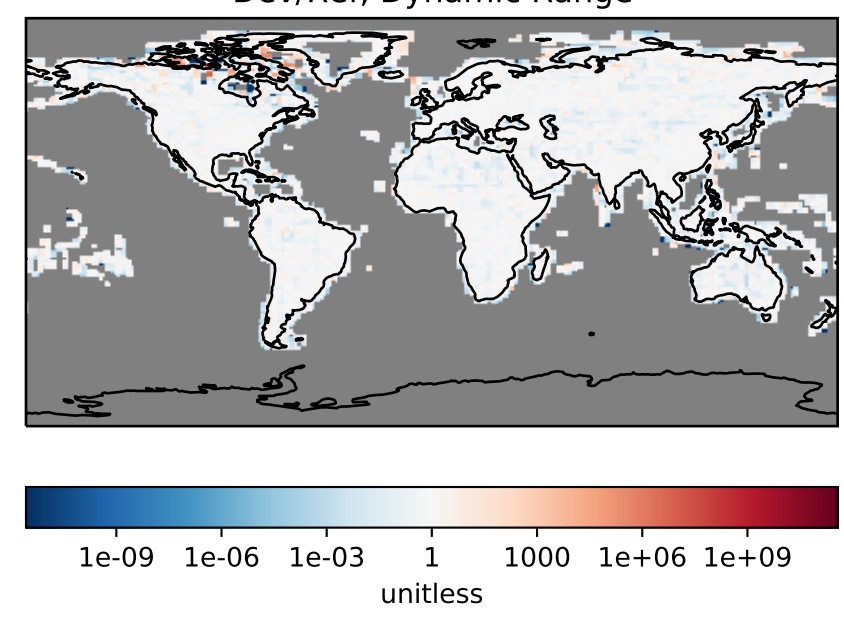
Difference (1x1.25)
Dev - Ref, Dynamic Range



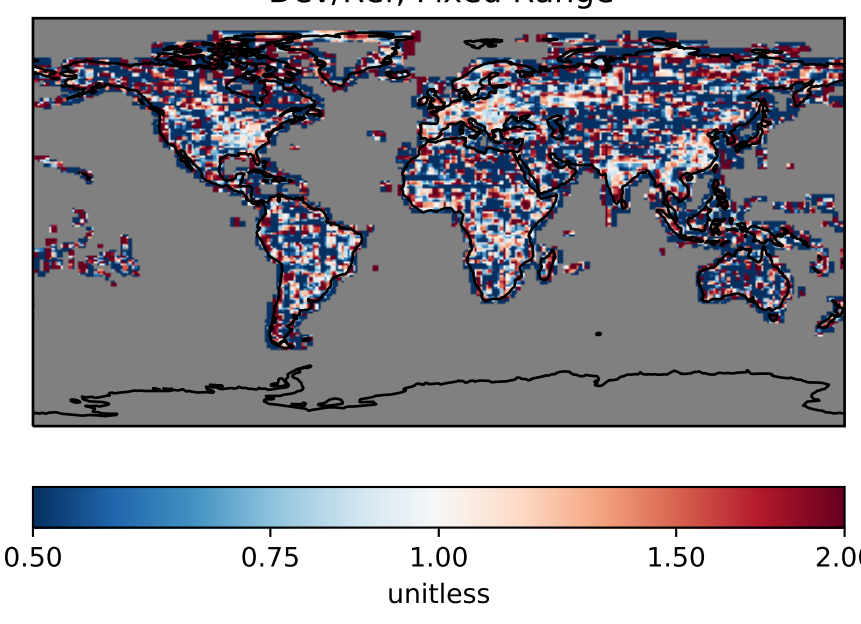
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

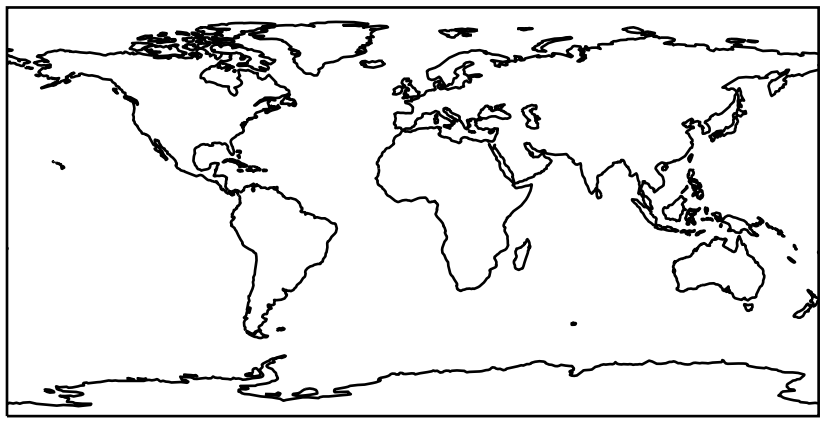


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisHCOOH_Ship

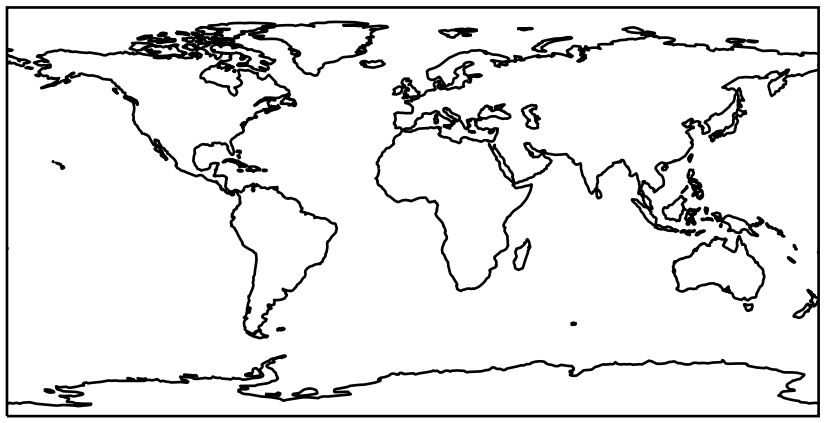
GCC_13.3.0-rc.1 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

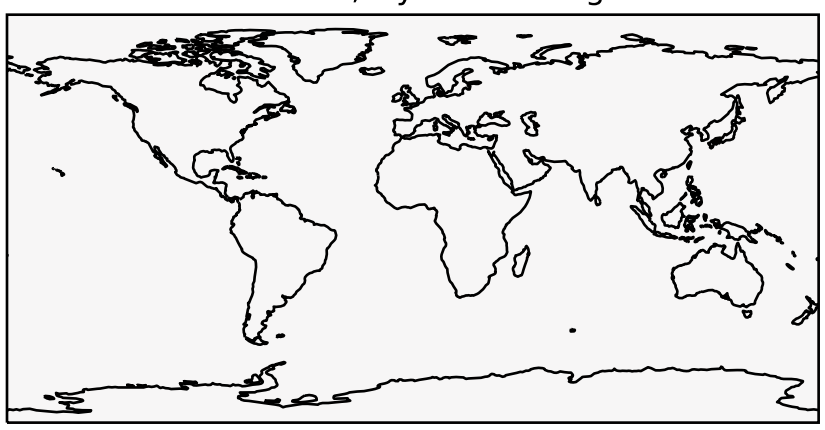
GCHP_13.3.0-rc.1 (Dev)
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kg/m2/s

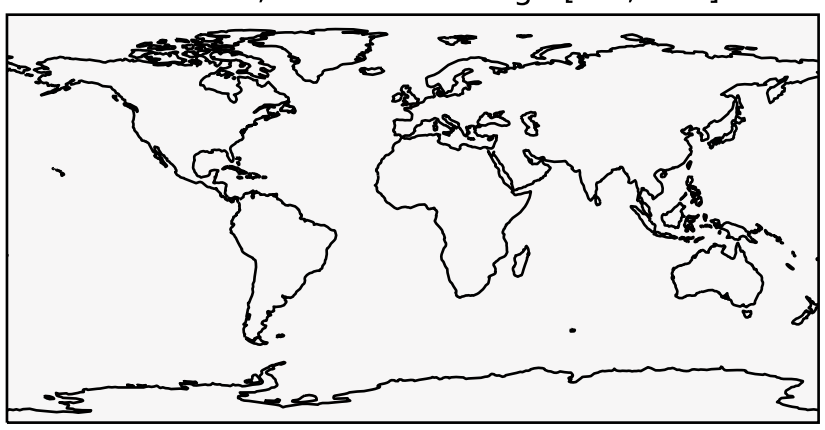
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

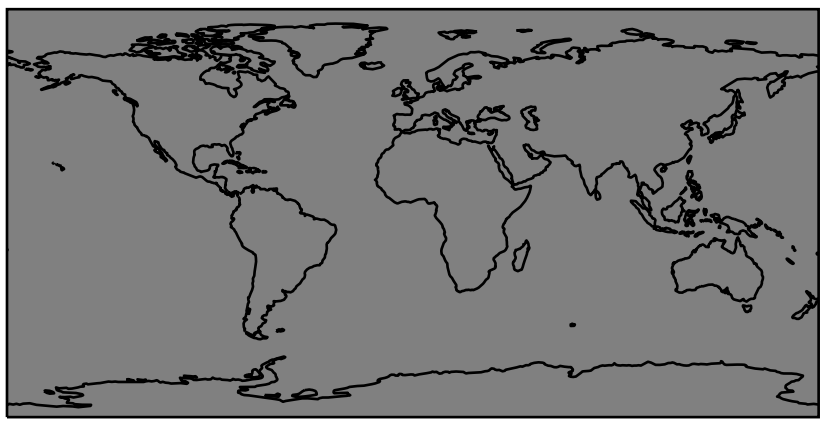
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

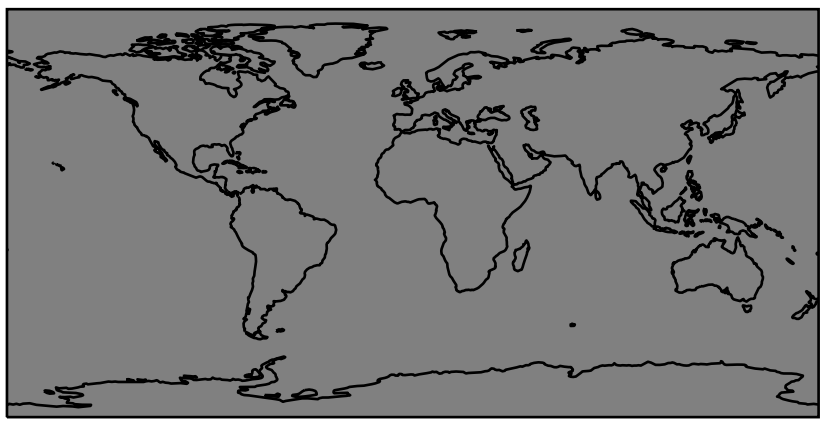
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

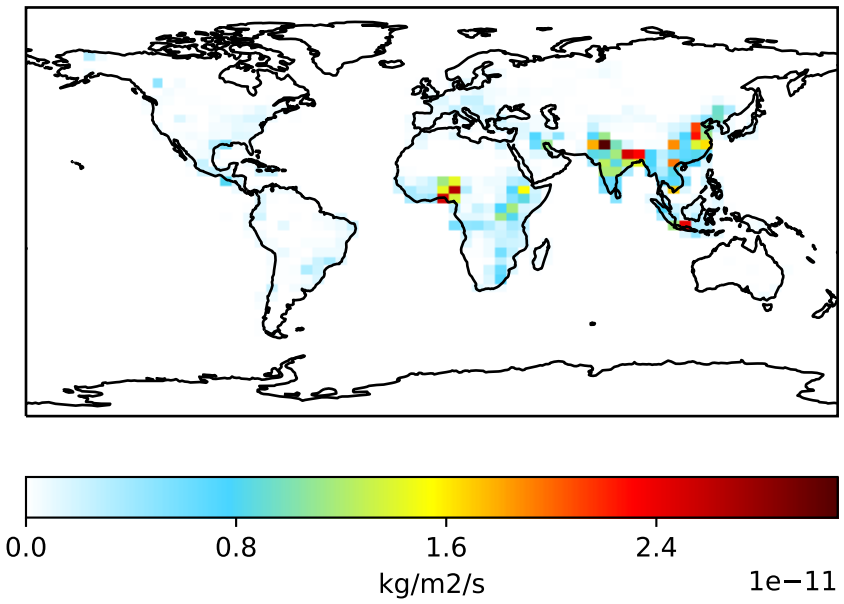




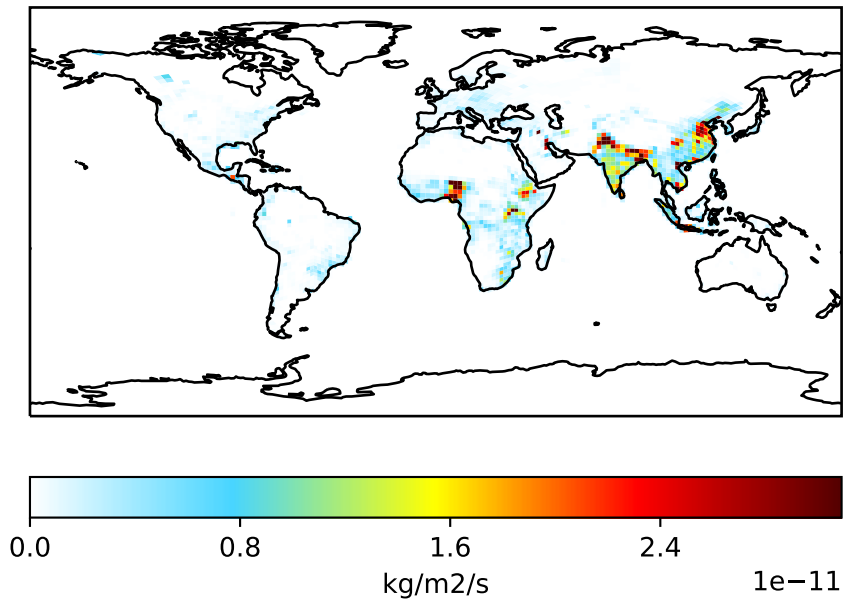
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EmisHCOOH_Total

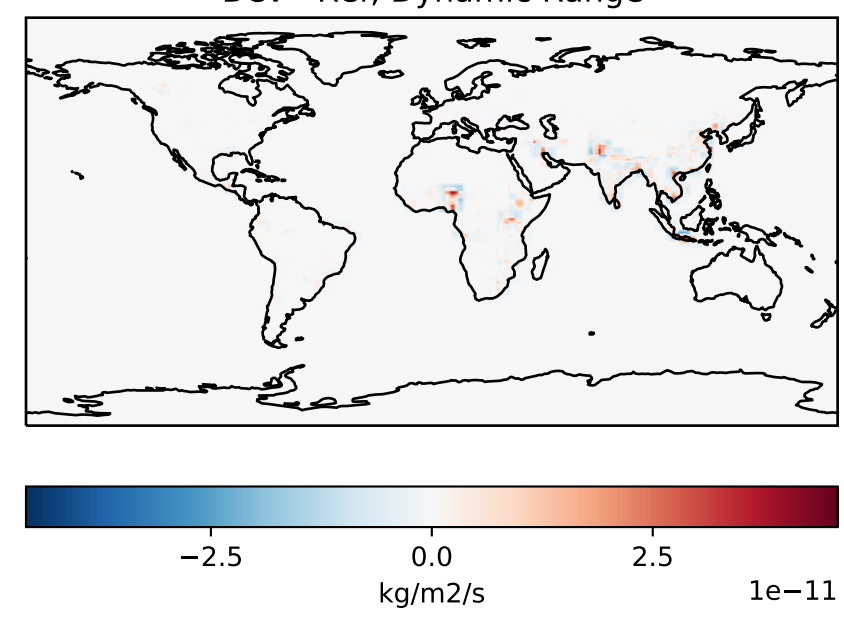
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



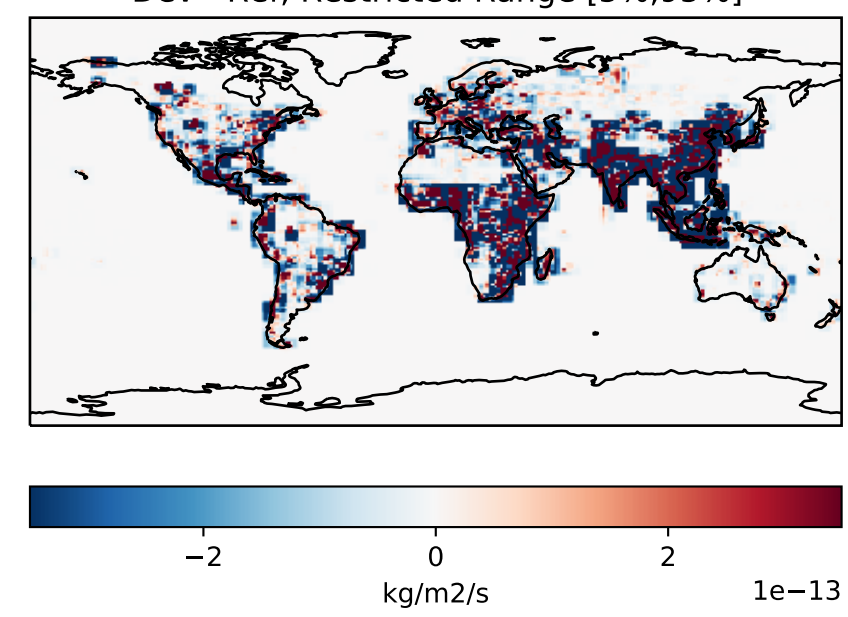
GCHP_13.3.0-rc.1 (Dev)
c48



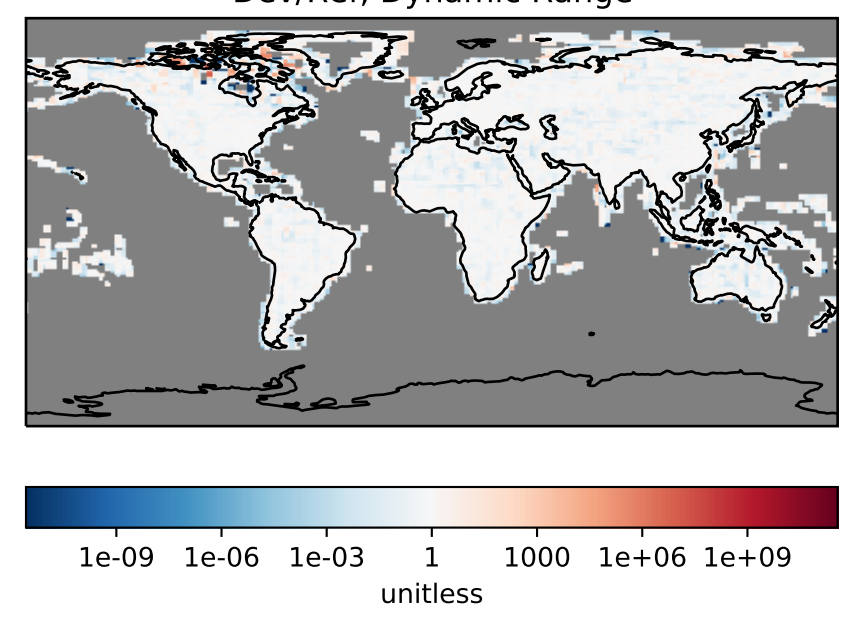
Difference (1x1.25)
Dev - Ref, Dynamic Range



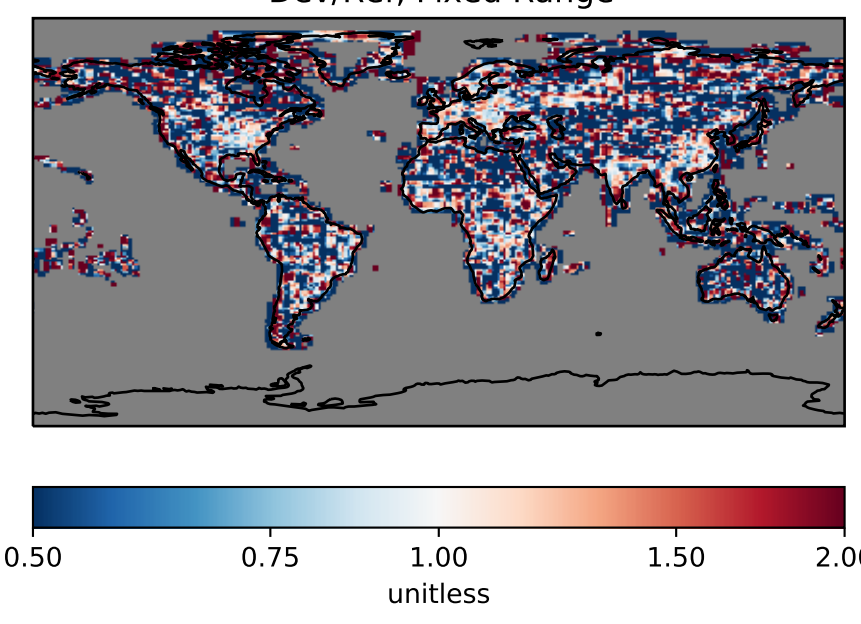
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

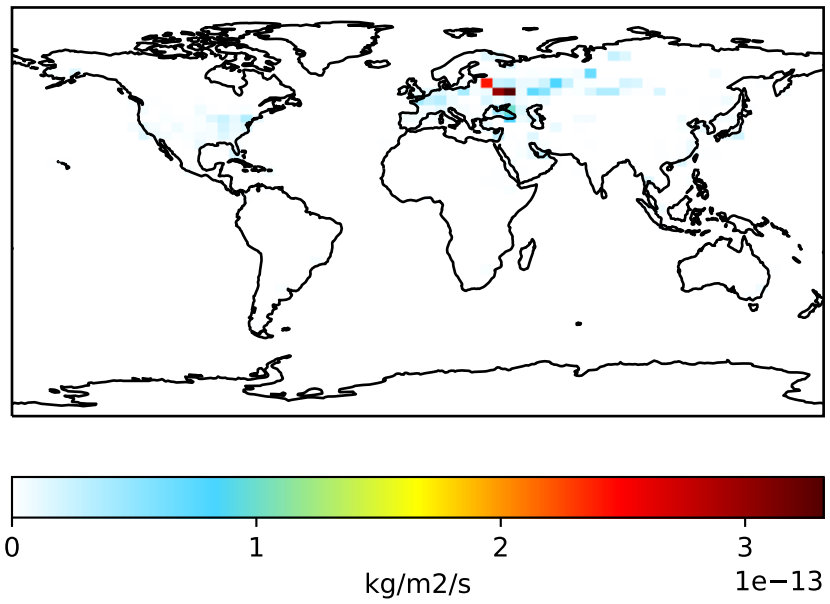


Ratio (1x1.25)
Dev/Ref, Fixed Range

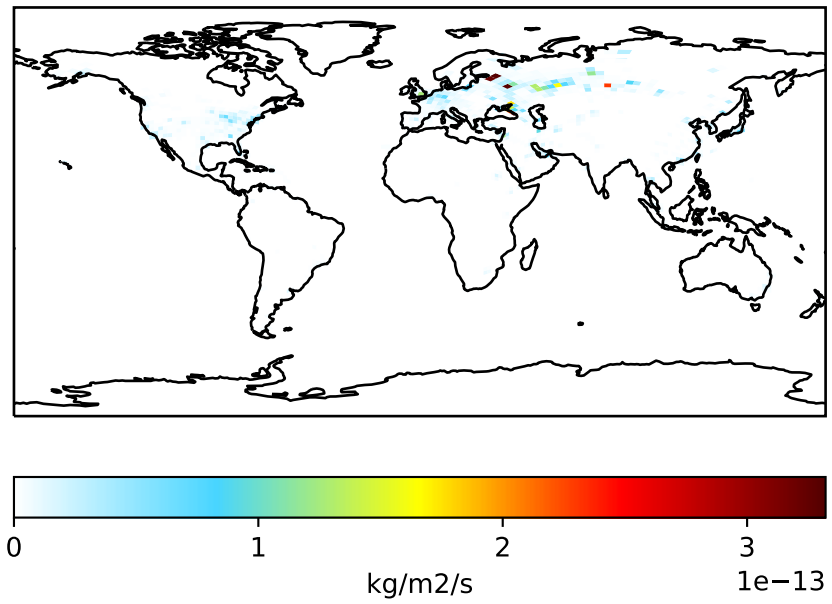


EmisRCHO_Aircraft

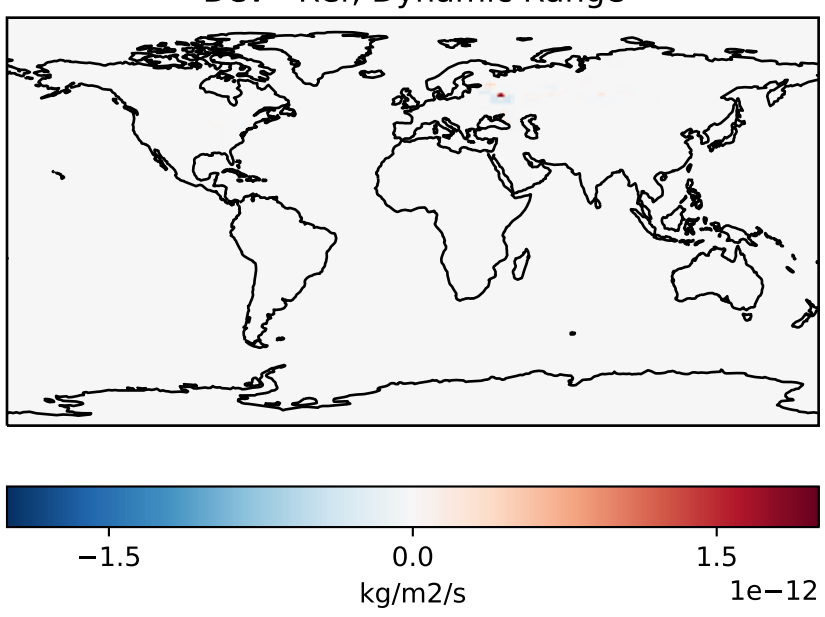
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



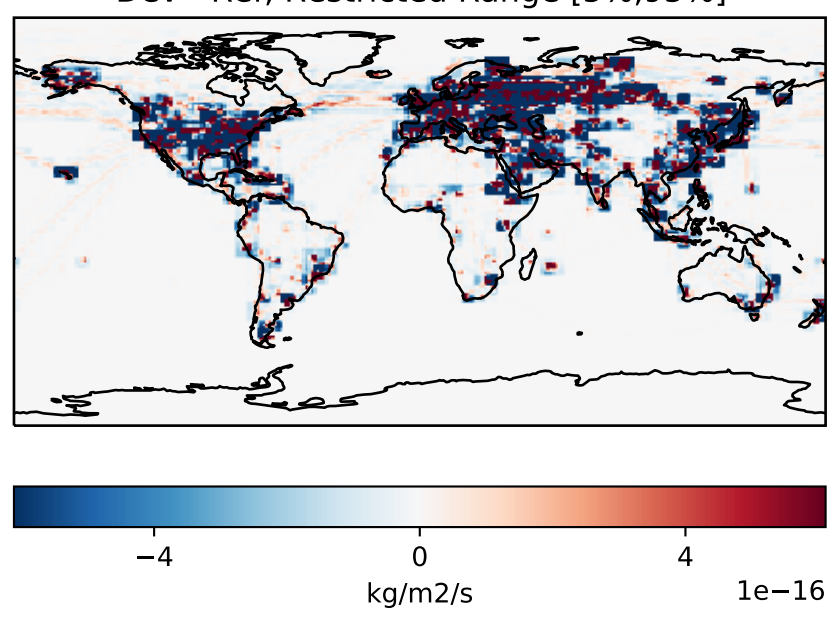
GCHP_13.3.0-rc.1 (Dev)
c48



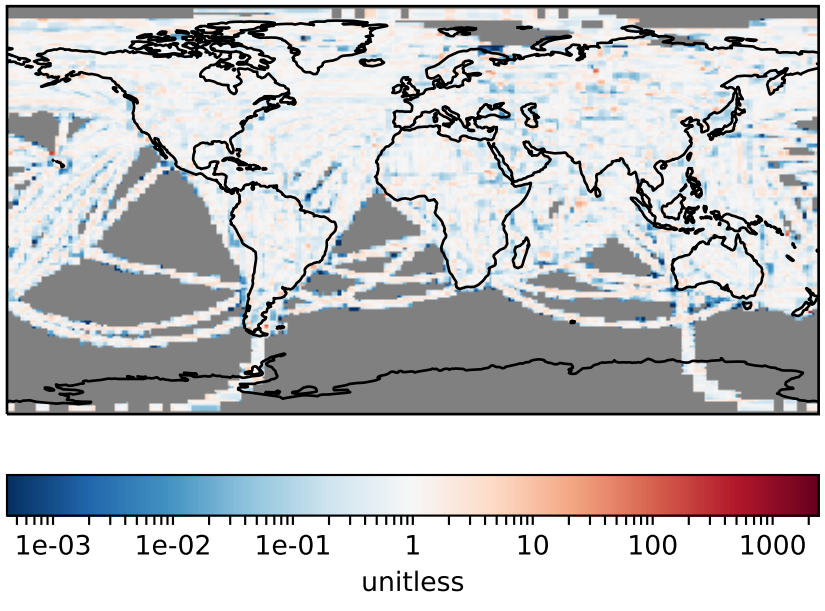
Difference (1x1.25)
Dev - Ref, Dynamic Range



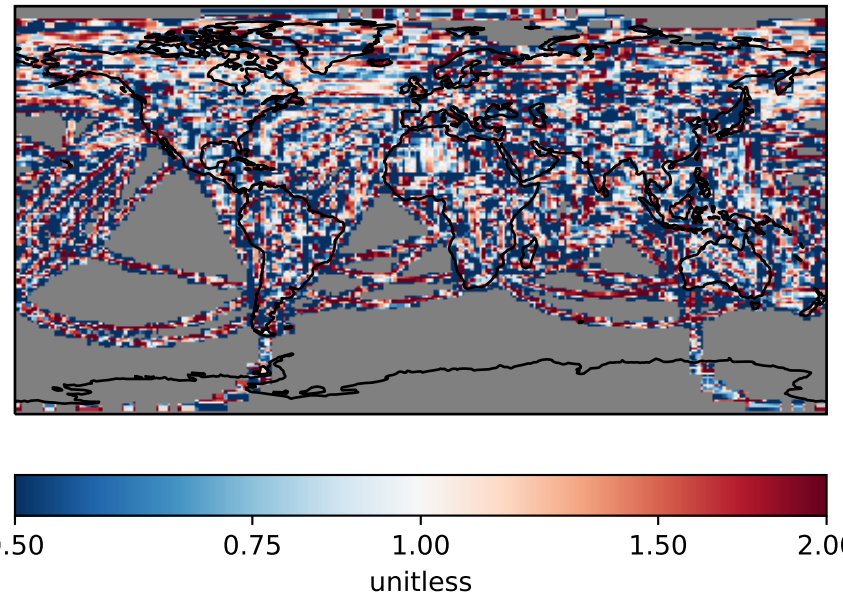
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

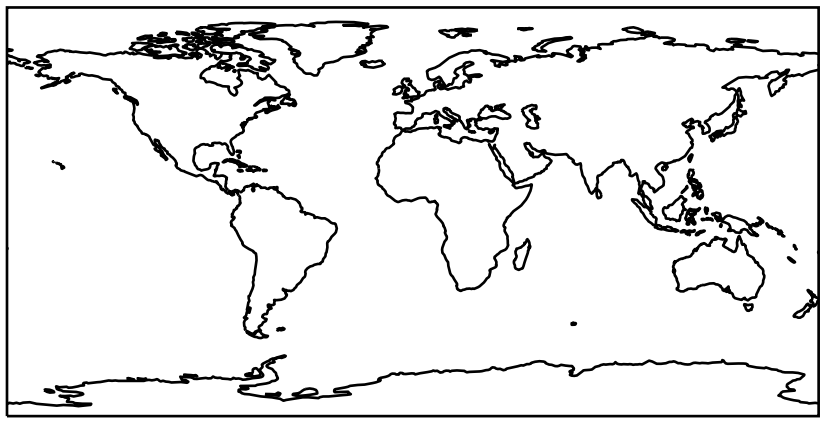


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisRCHO_Anthro

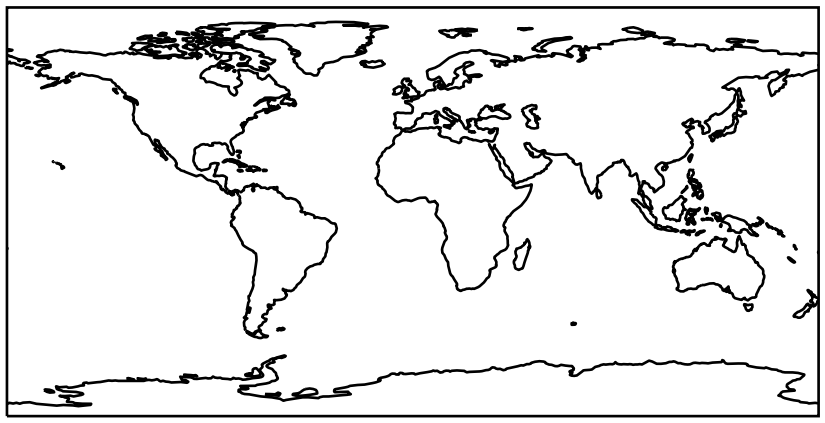
GCC_13.3.0-rc.1 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

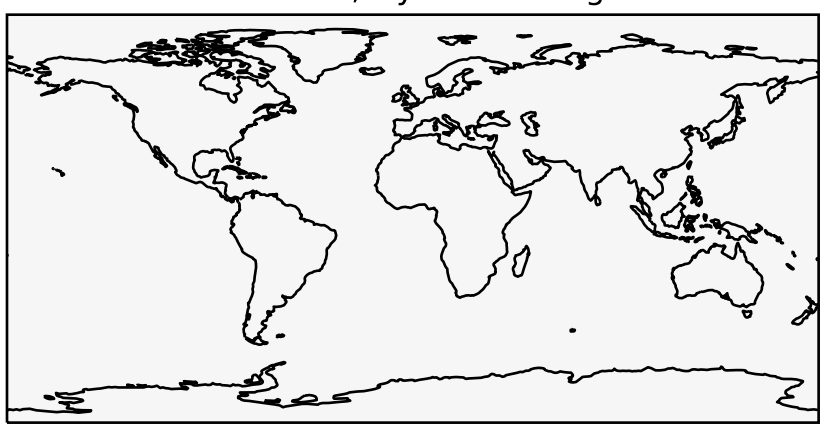
GCHP_13.3.0-rc.1 (Dev)
c48





Zero throughout domain
kg/m2/s

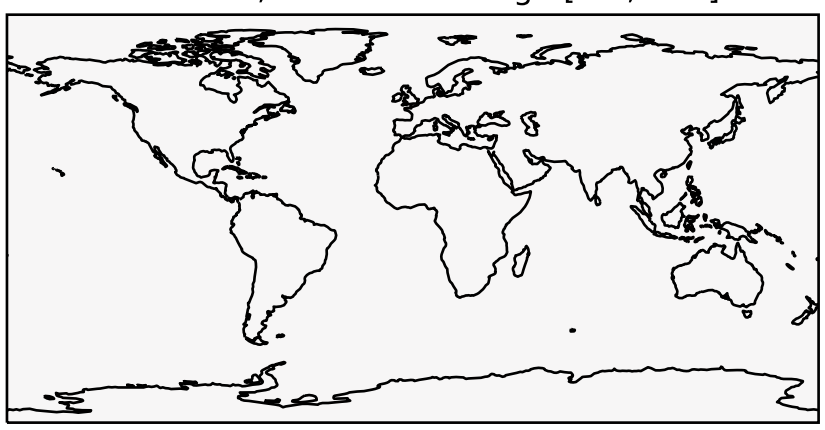
Difference (1x1.25)
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

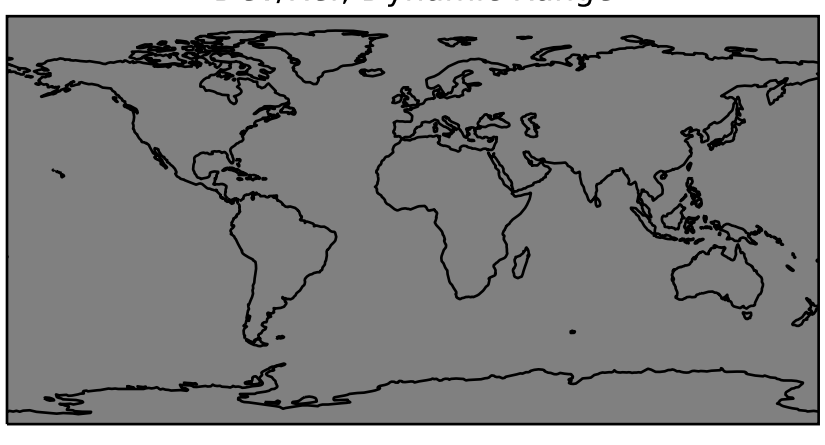
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

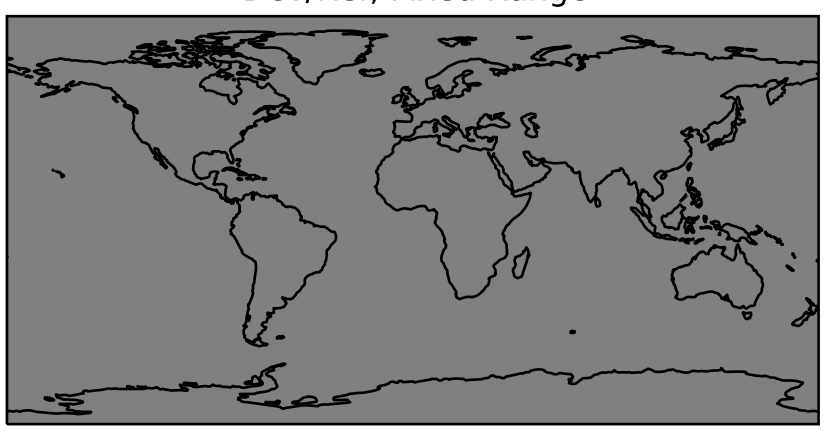
Ratio (1x1.25)
Dev/Ref, Dynamic Range





Undefined throughout domain
unitless

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

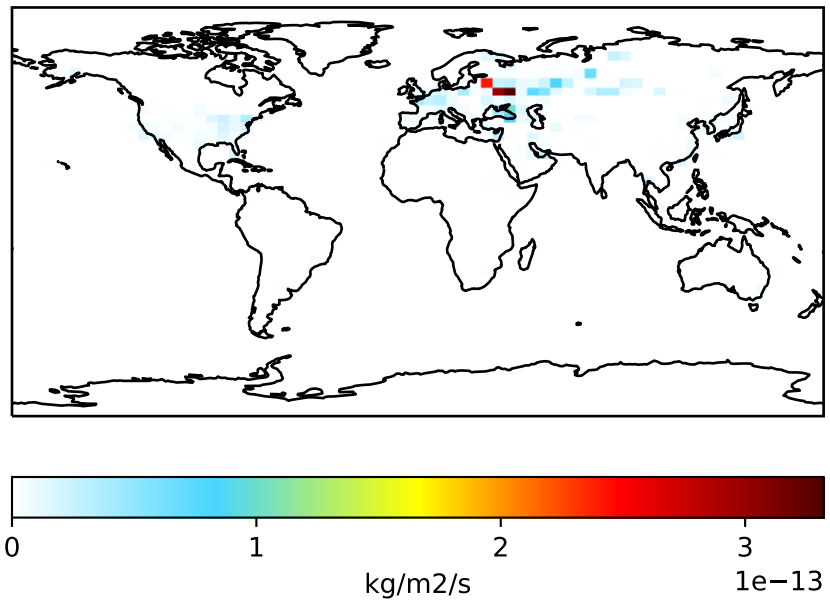




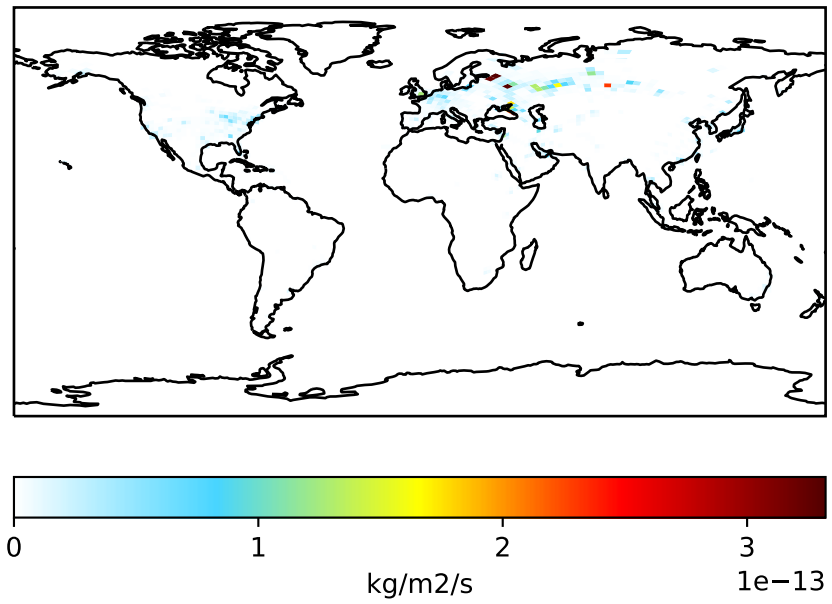
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unitless

EmisRCHO_Total

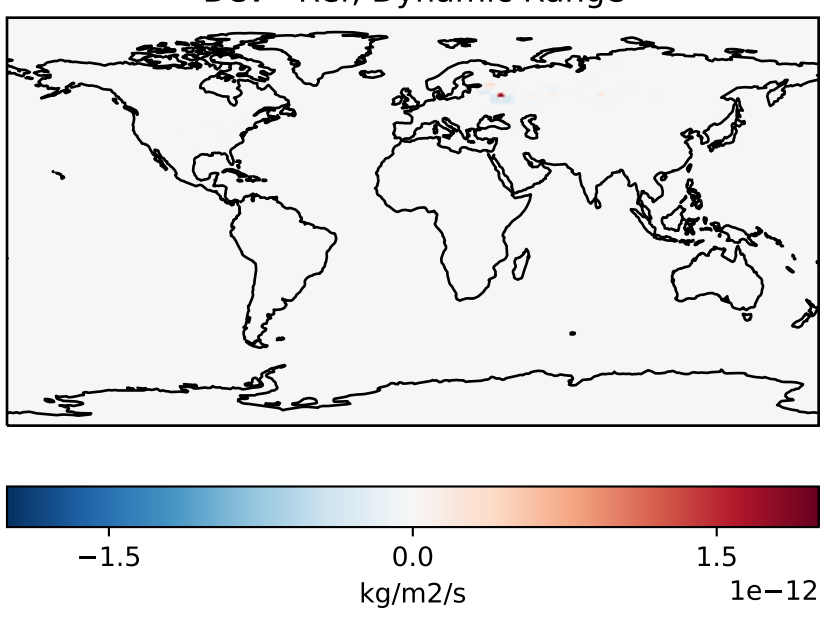
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



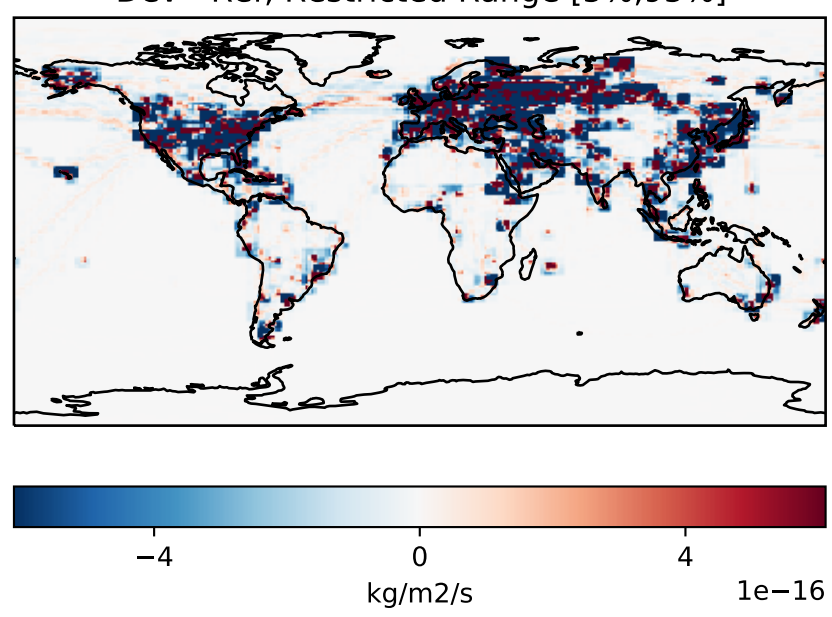
GCHP_13.3.0-rc.1 (Dev)
c48



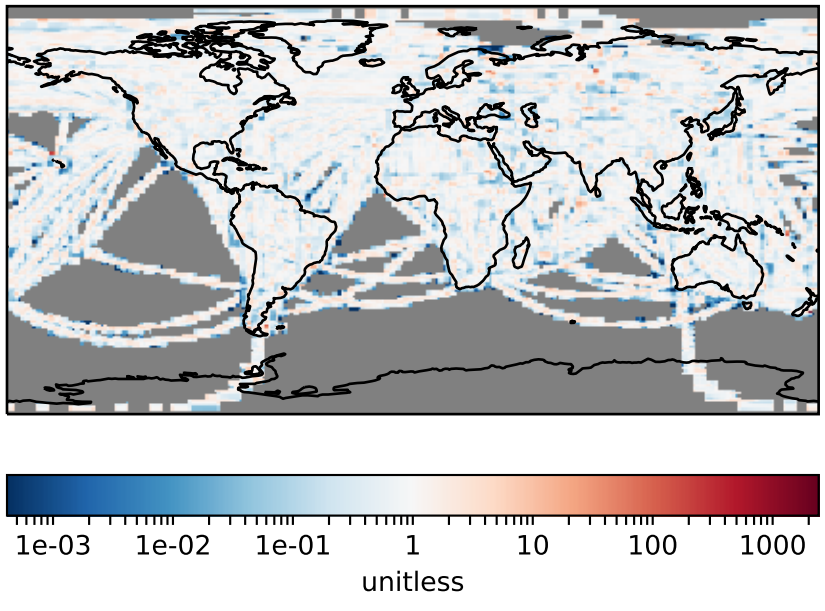
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

