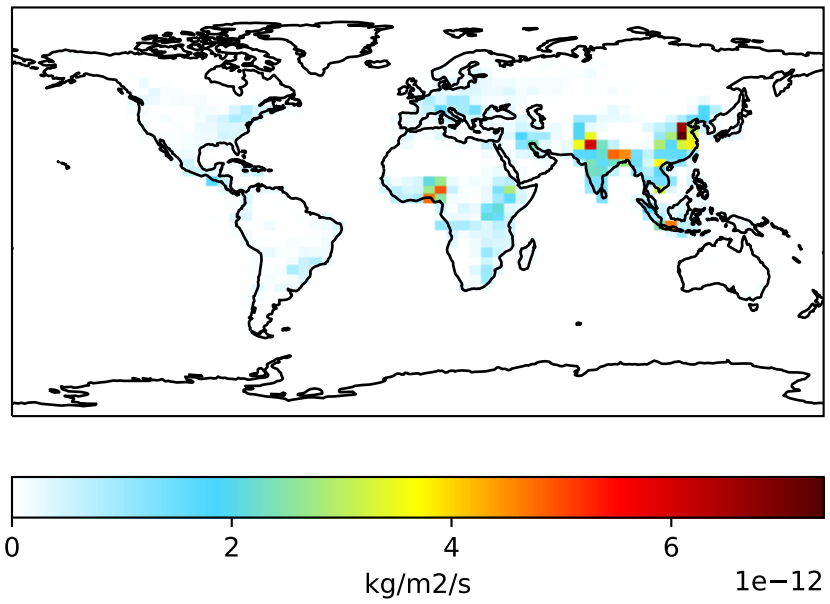
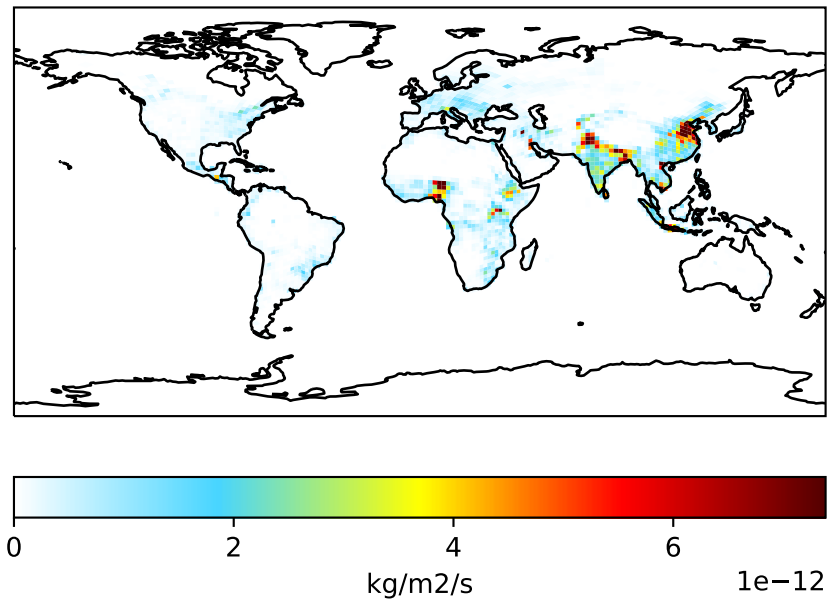
EmisALD2_Anthro (Jan2019)

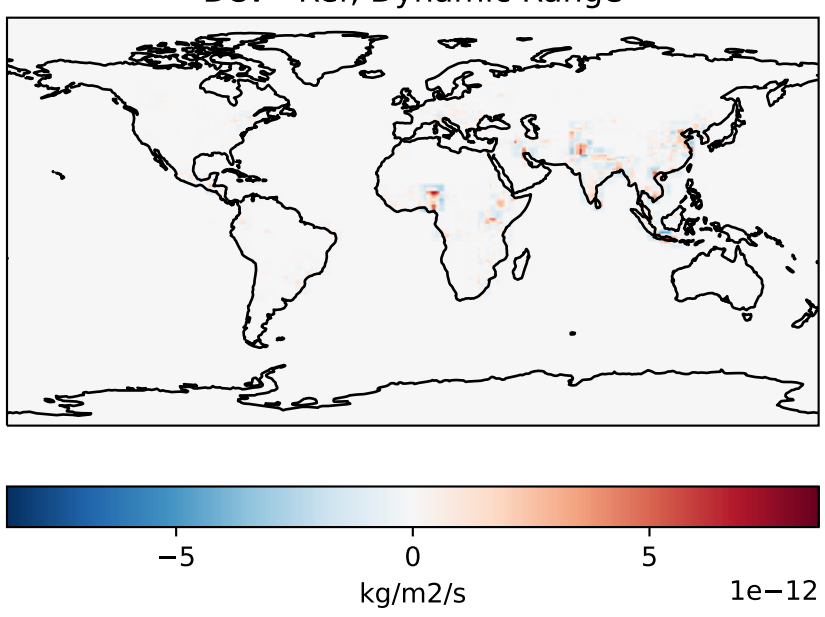
GCC_13.2.0 (Ref)
4.0x5.0



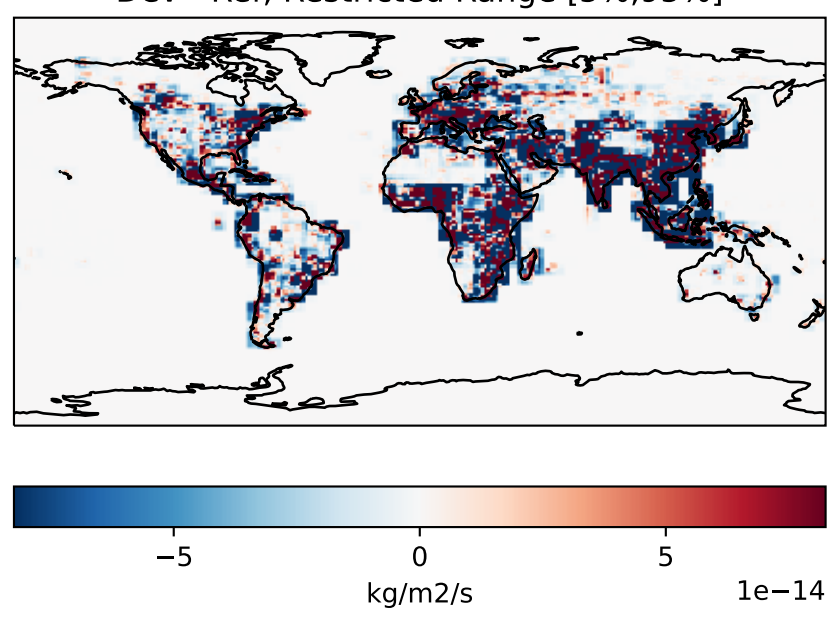
GCHP_13.2.0 (Dev)
c48



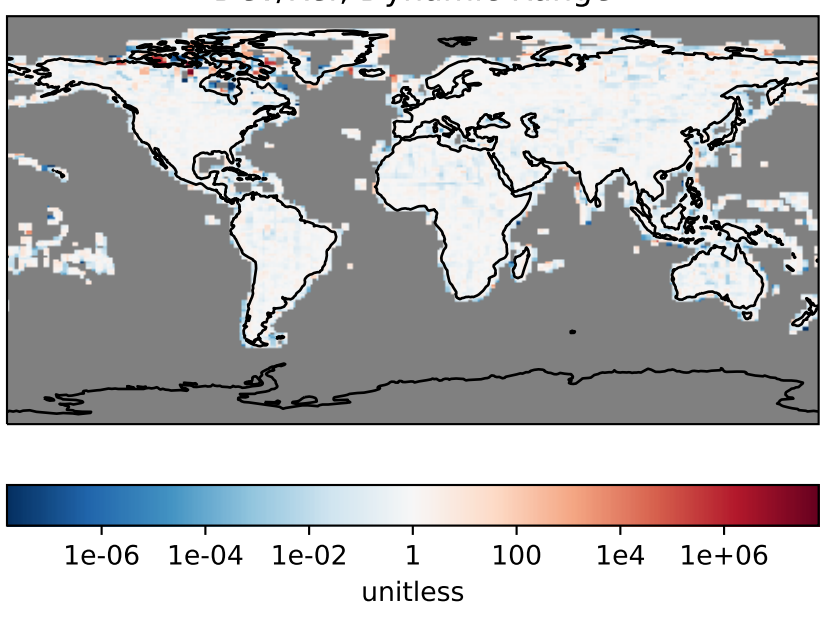
Difference (1x1.25)
Dev - Ref, Dynamic Range



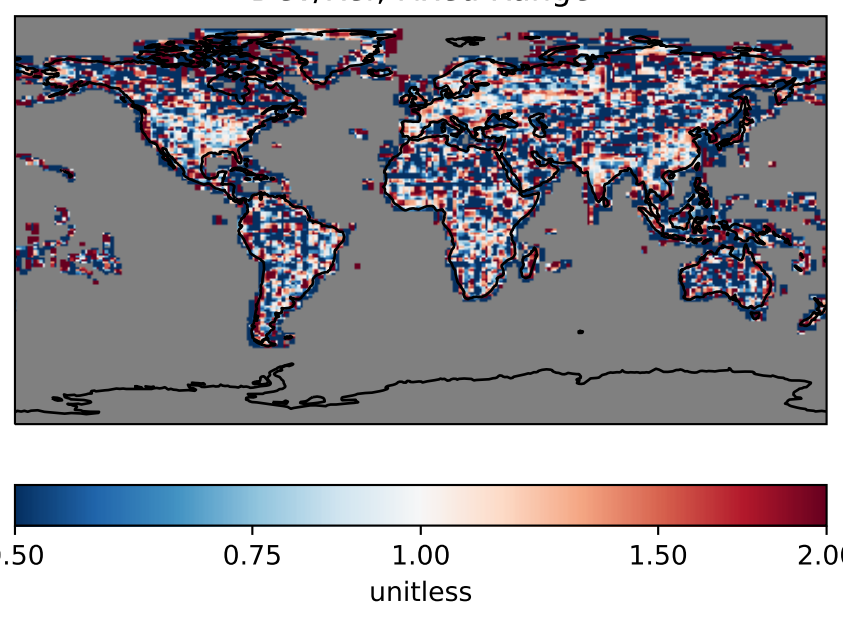
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

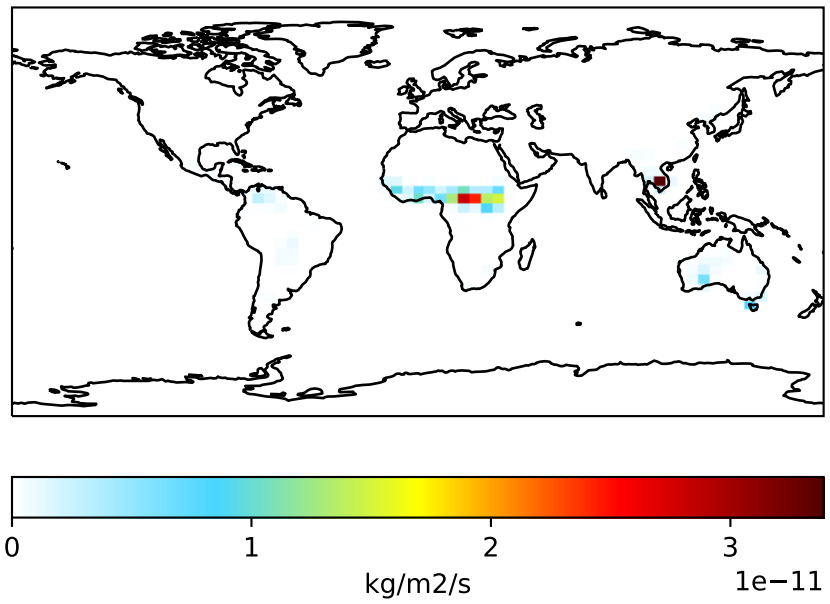


Ratio (1x1.25)
Dev/Ref, Fixed Range

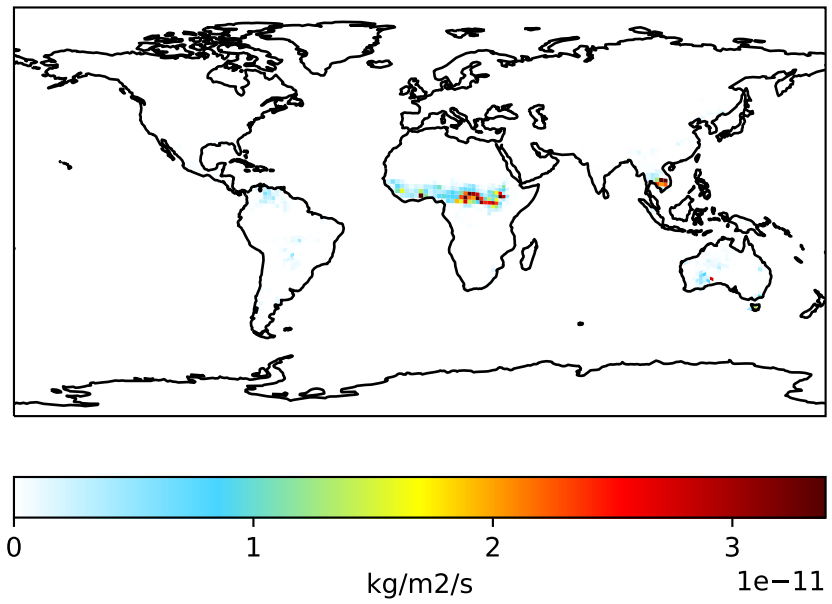


EmisALD2_BioBurn (Jan2019)

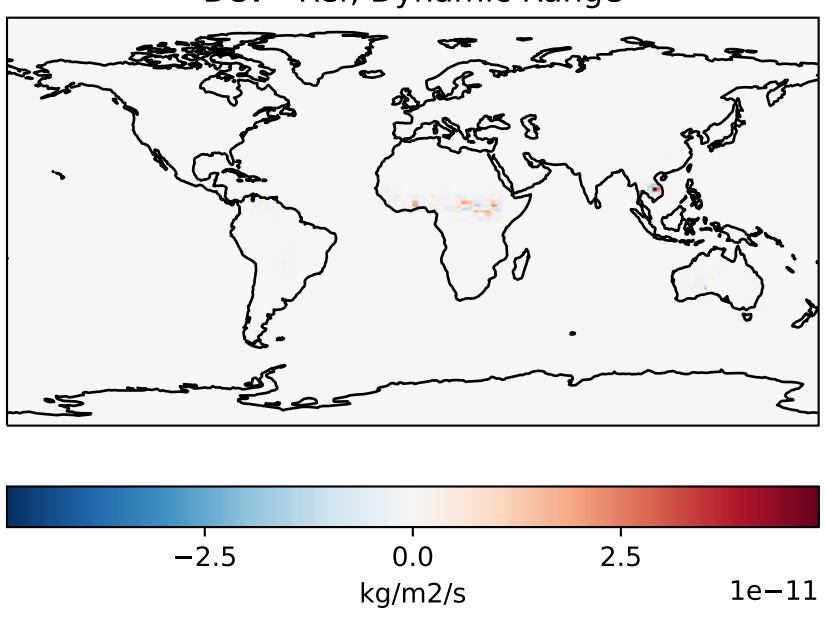
GCC_13.2.0 (Ref)
4.0x5.0



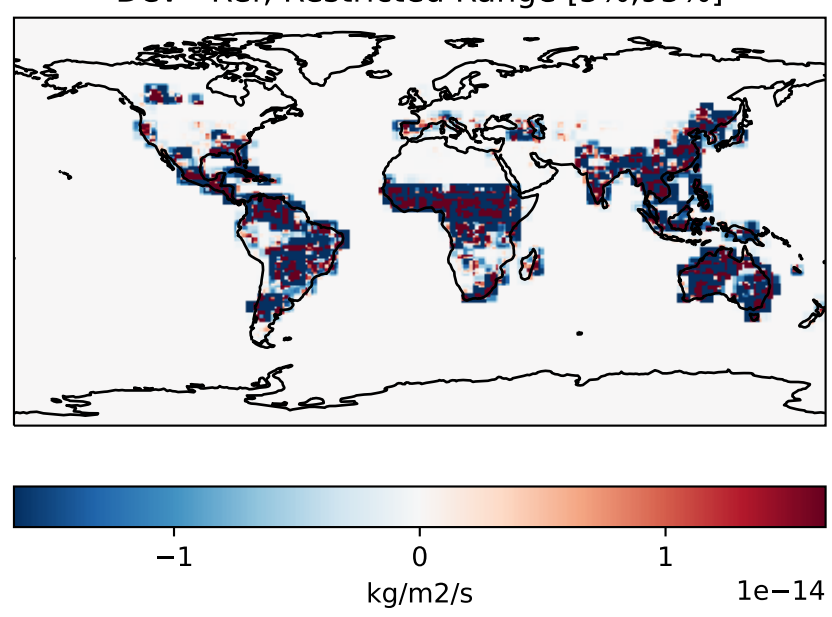
GCHP_13.2.0 (Dev)
c48



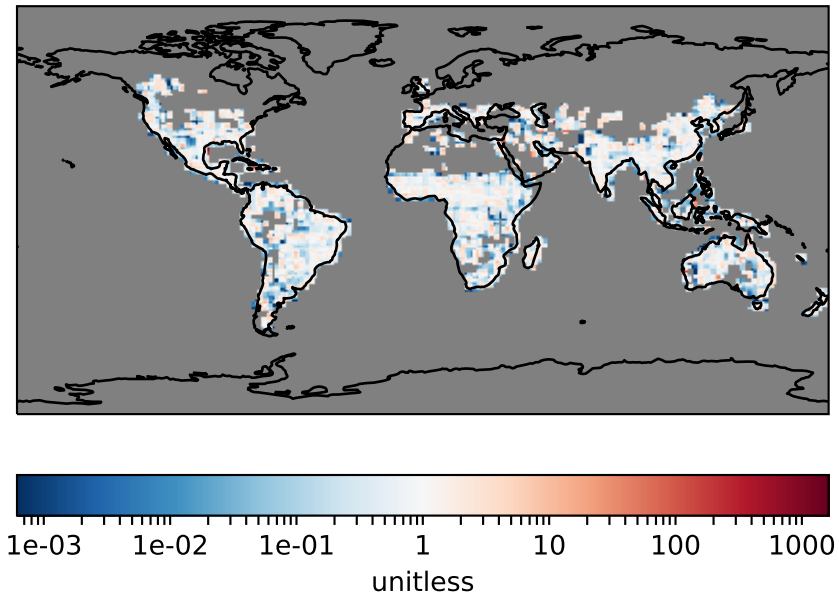
Difference (1x1.25)
Dev - Ref, Dynamic Range



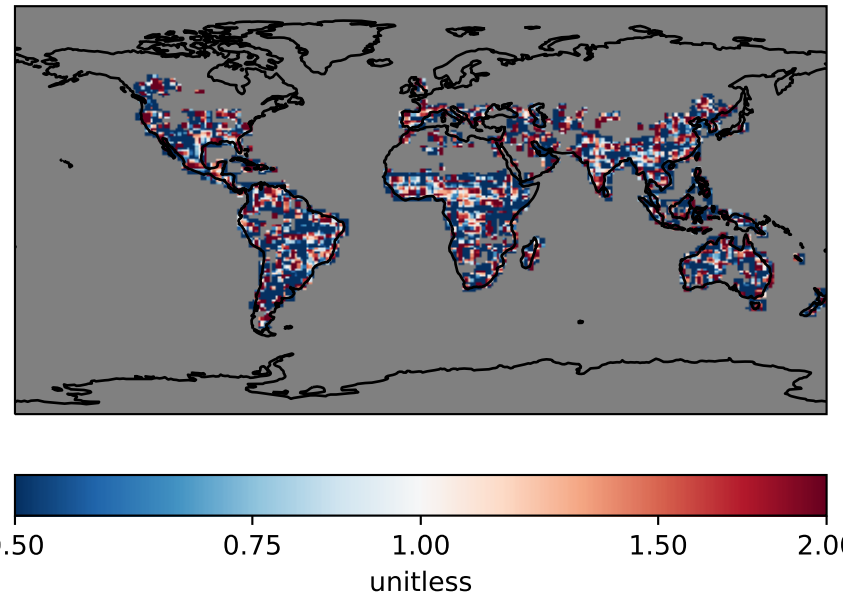
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

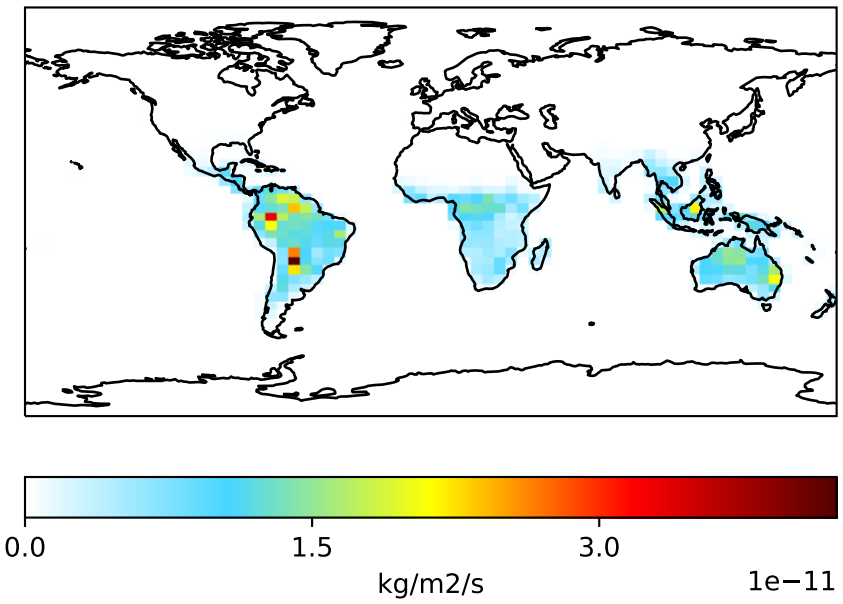


Ratio (1x1.25)
Dev/Ref, Fixed Range

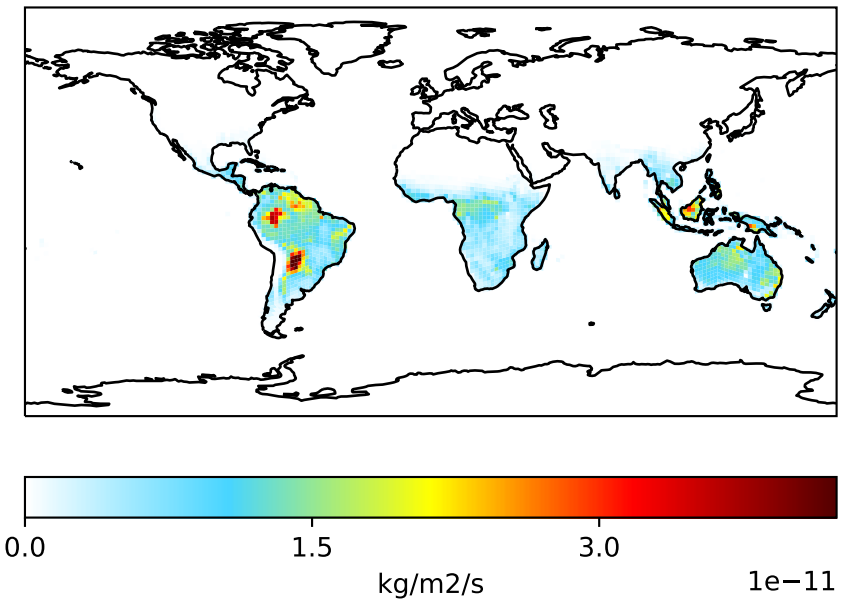


EmisALD2_Biogenic (Jan2019)

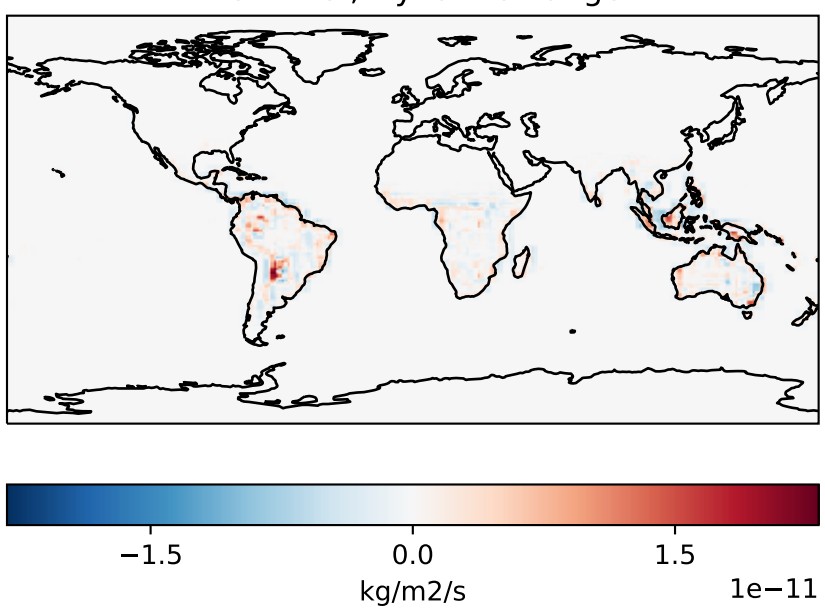
GCC_13.2.0 (Ref)
4.0x5.0



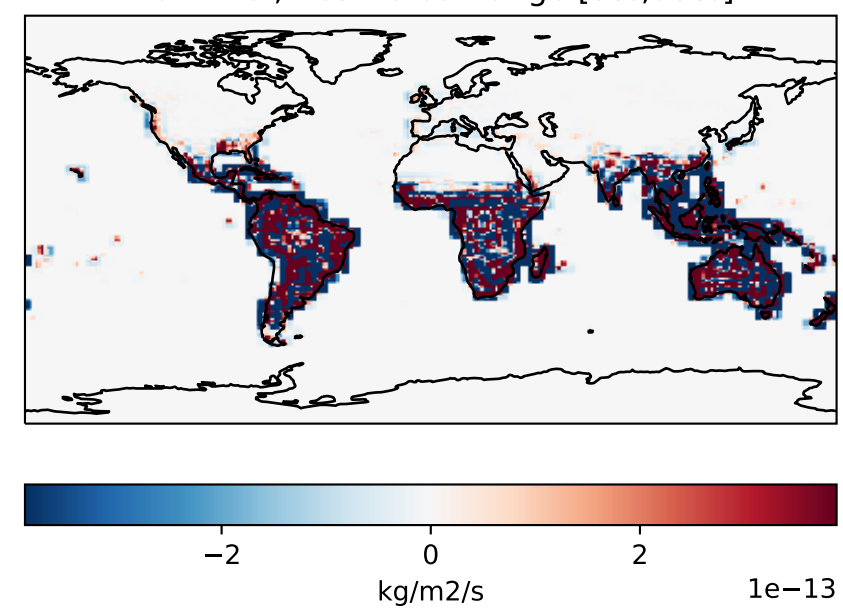
GCHP_13.2.0 (Dev)
c48



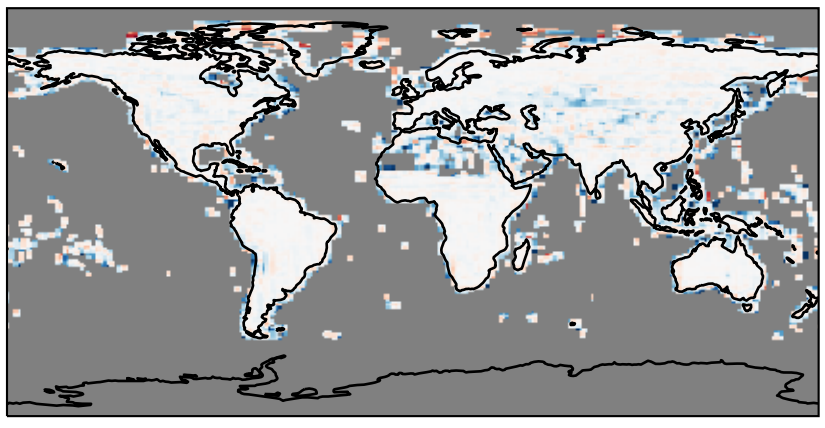
Difference (1x1.25)
Dev - Ref, Dynamic Range



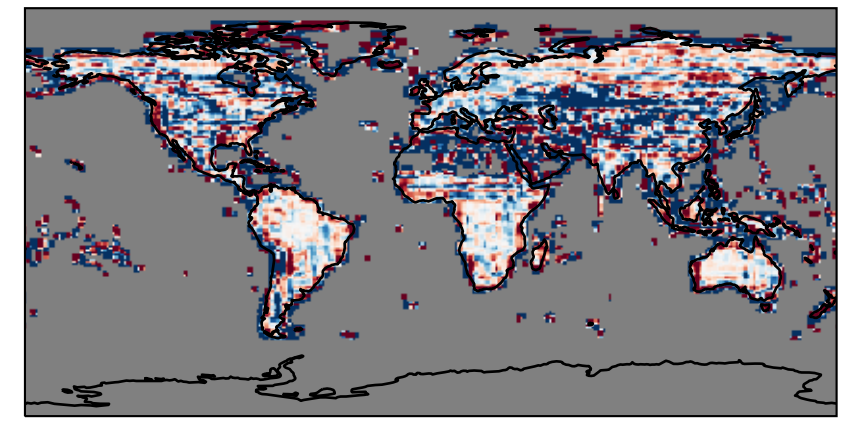
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

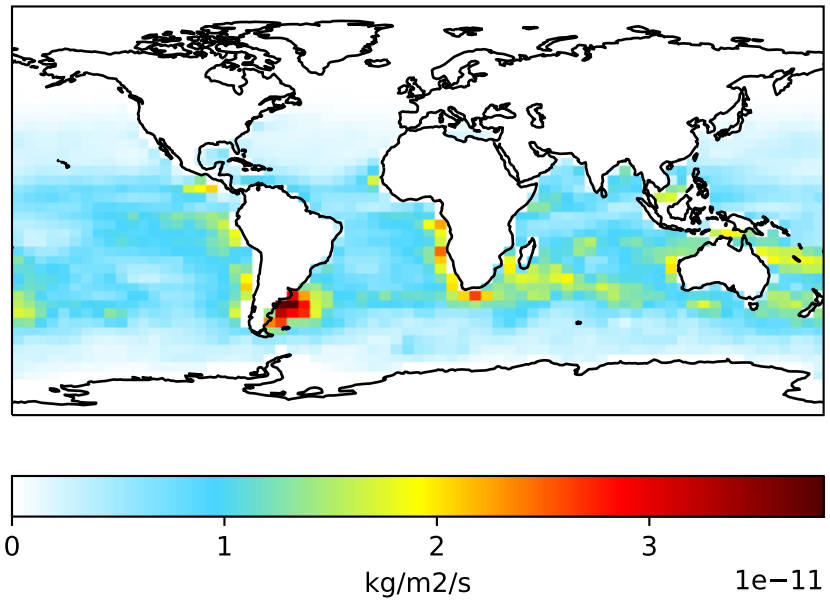


Ratio (1x1.25)
Dev/Ref, Fixed Range

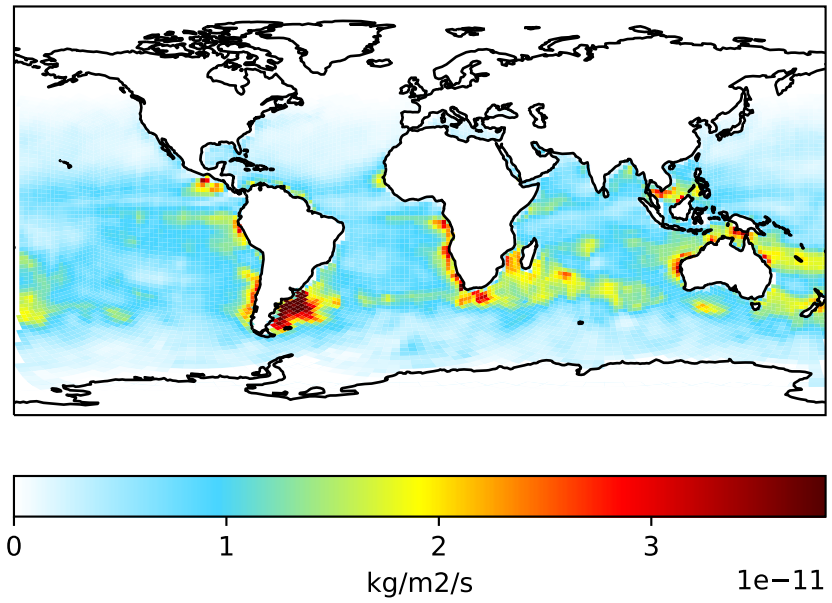


EmisALD2_Ocean (Jan2019)

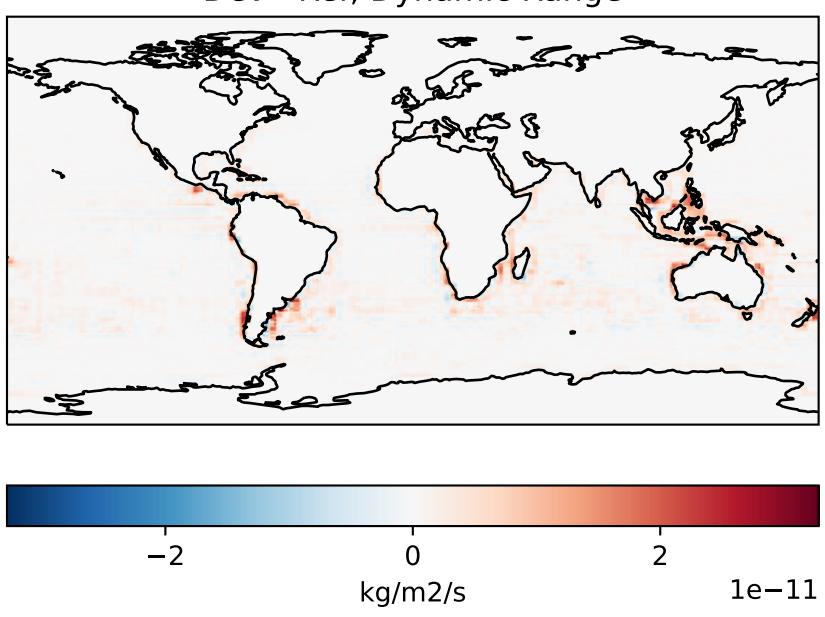
GCC_13.2.0 (Ref)
4.0x5.0



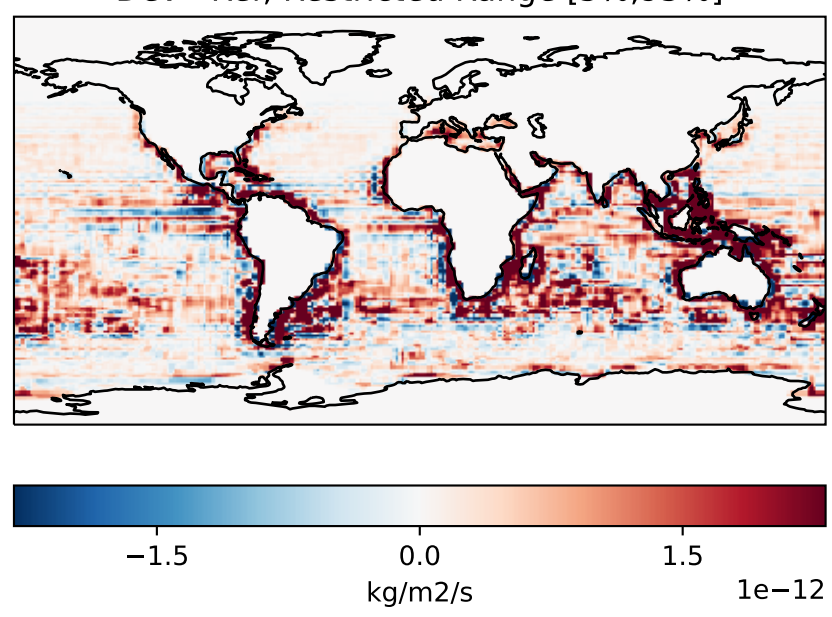
GCHP_13.2.0 (Dev)
c48



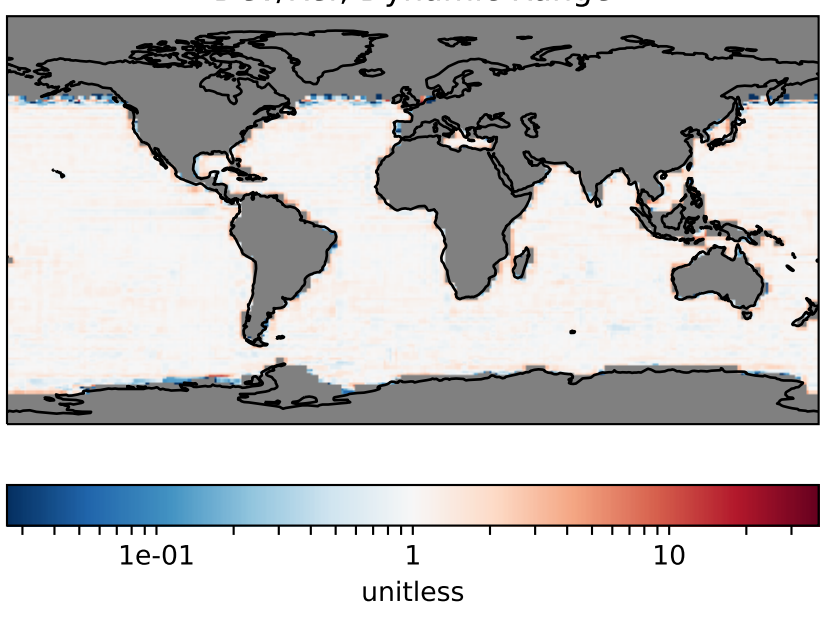
Difference (1x1.25)
Dev - Ref, Dynamic Range



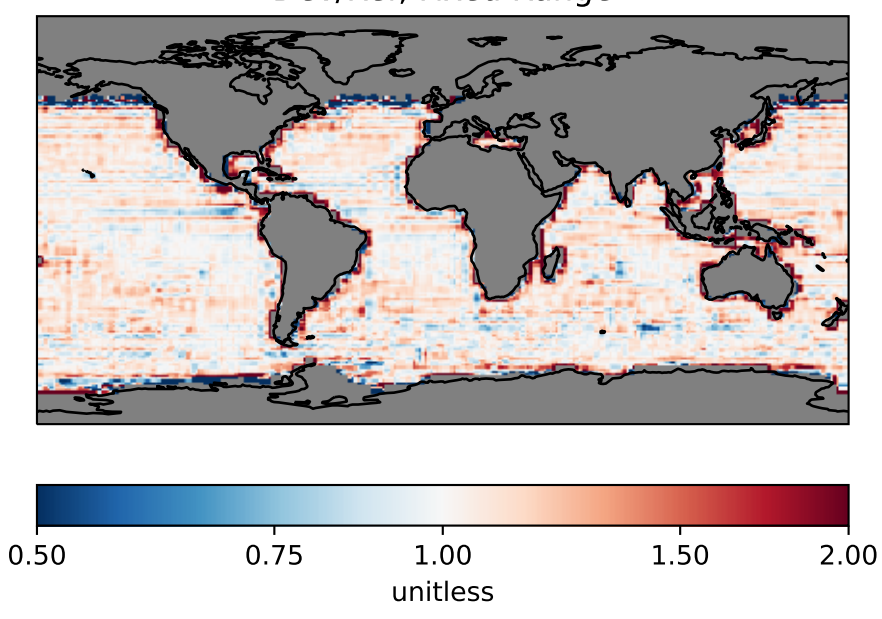
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

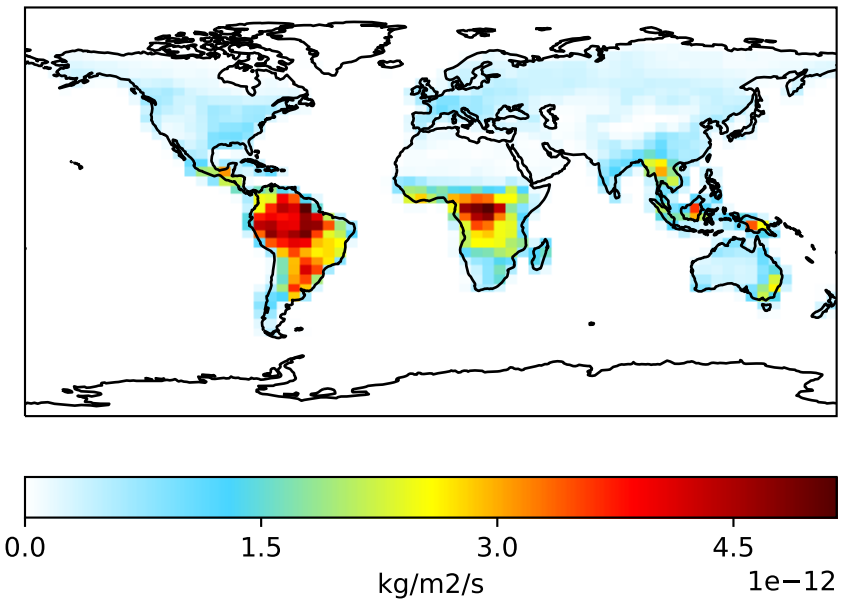


Ratio (1x1.25)
Dev/Ref, Fixed Range

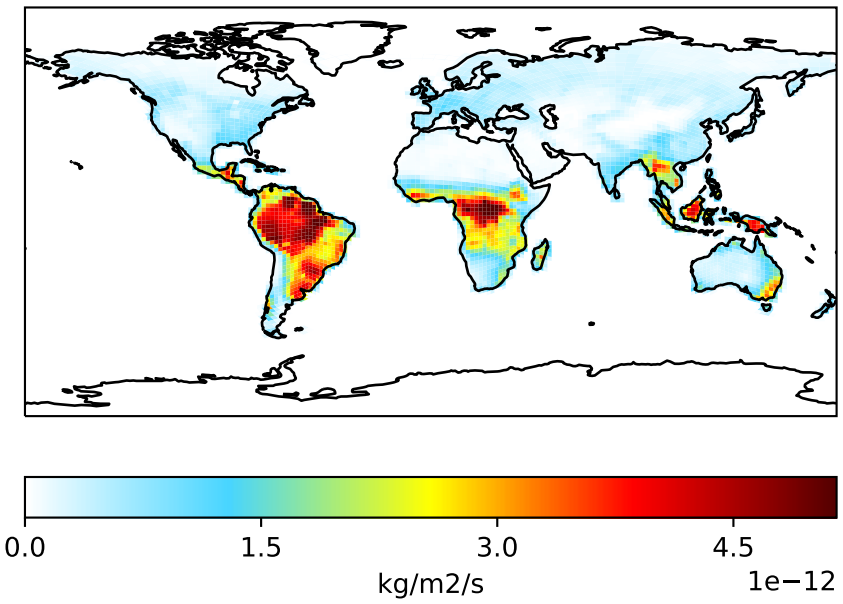


EmisALD2_PlantDecay (Jan2019)

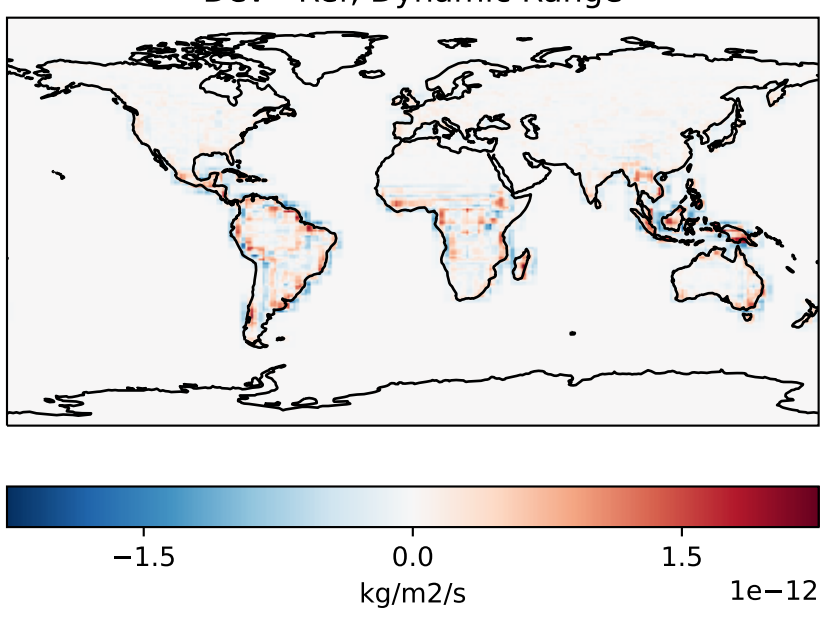
GCC_13.2.0 (Ref)
4.0x5.0



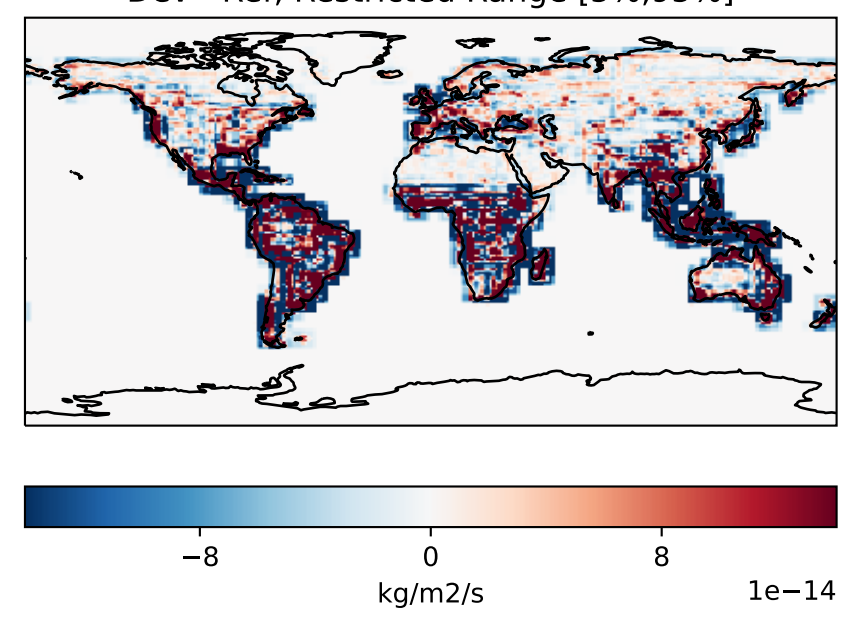
GCHP_13.2.0 (Dev)
c48



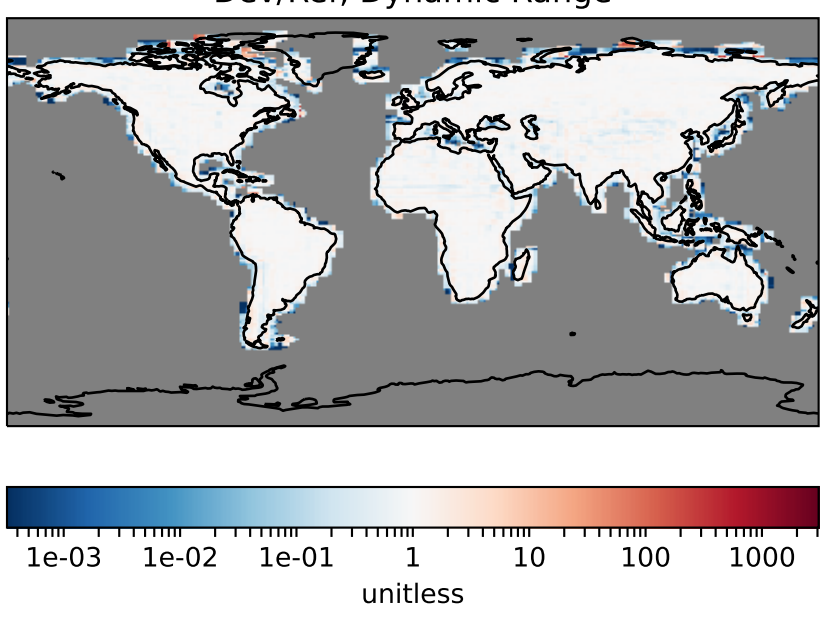
Difference (1x1.25)
Dev - Ref, Dynamic Range



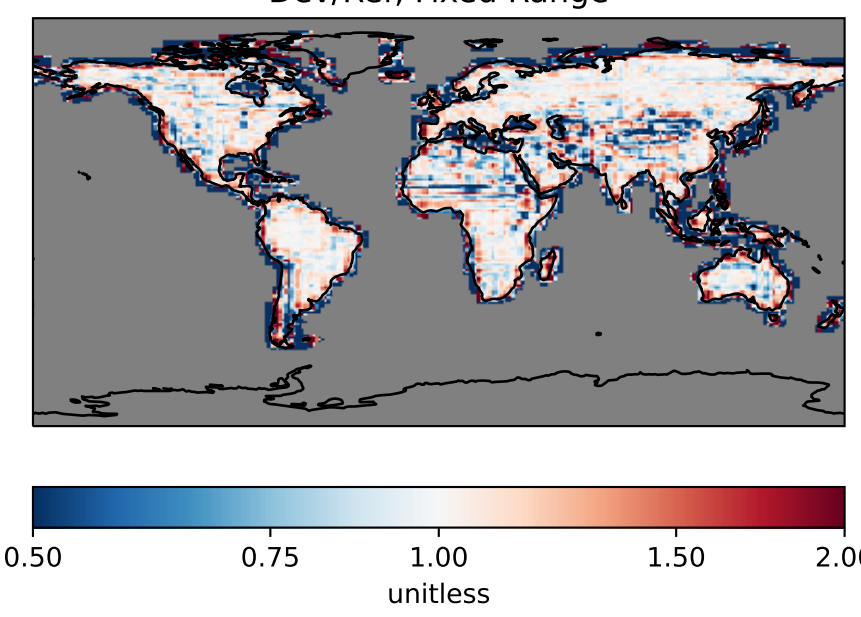
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

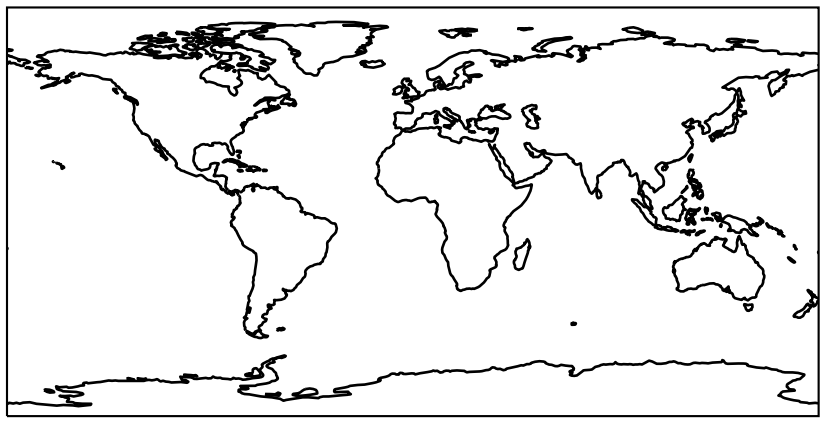


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisALD2_Ship (Jan2019)

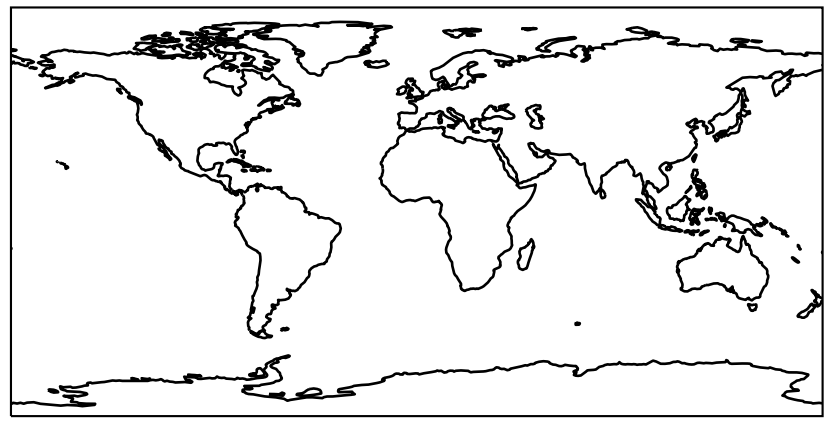
GCC_13.2.0 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

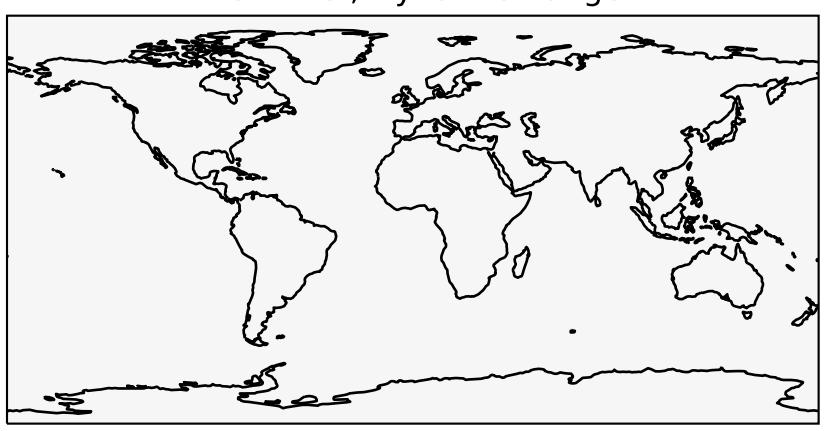
GCHP_13.2.0 (Dev)
c48





Zero throughout domain
kg/m2/s

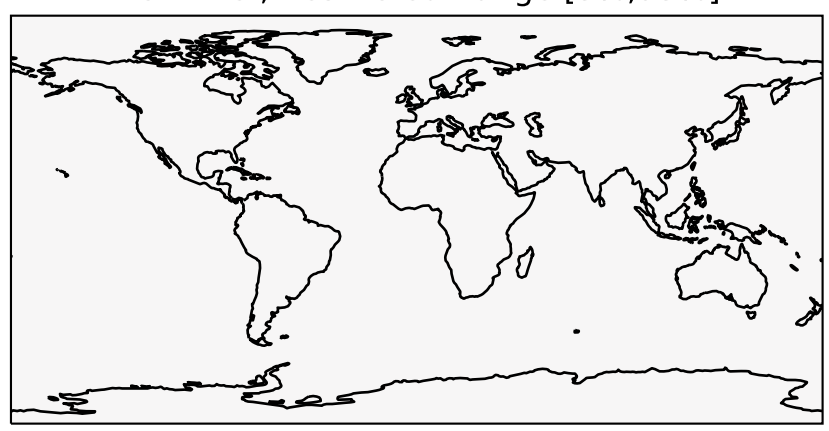
Difference (1x1.25)
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

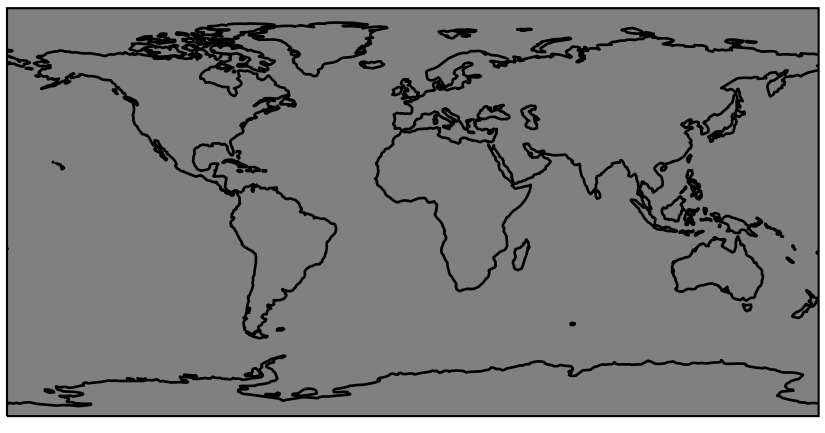
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

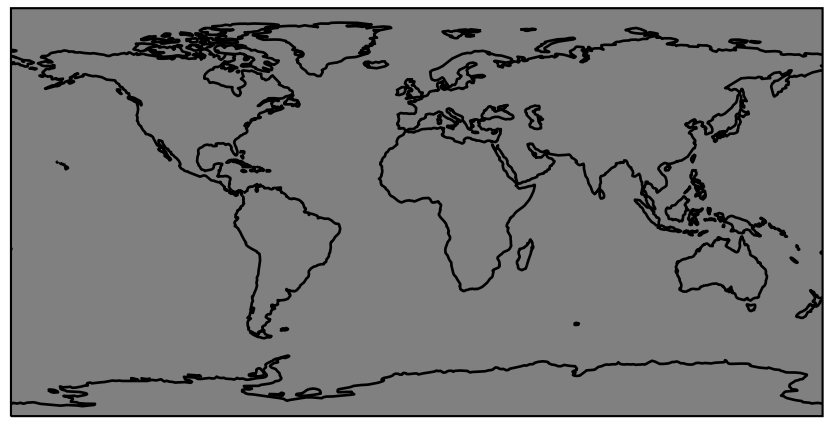
Ratio (1x1.25)
Dev/Ref, Dynamic Range





Undefined throughout domain
unitless

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

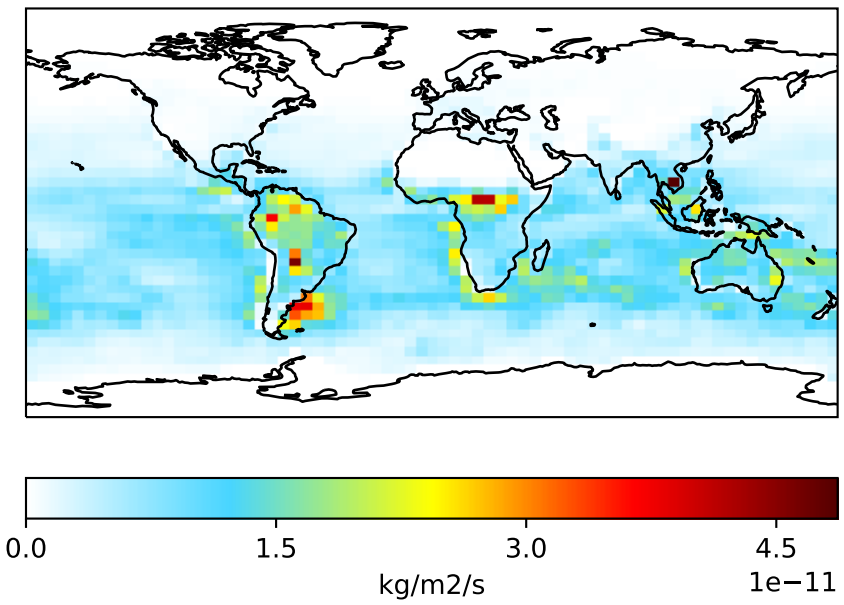




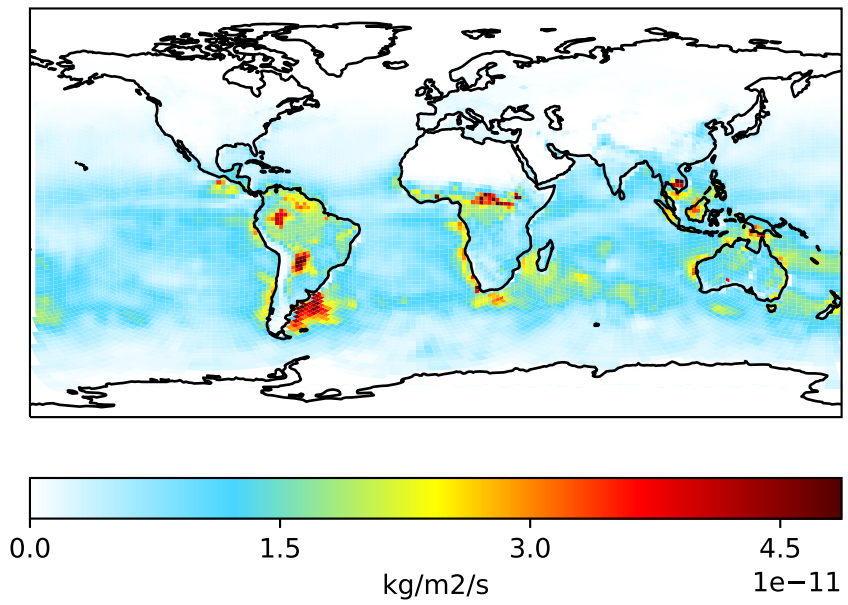
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EmisALD2_Total (Jan2019)

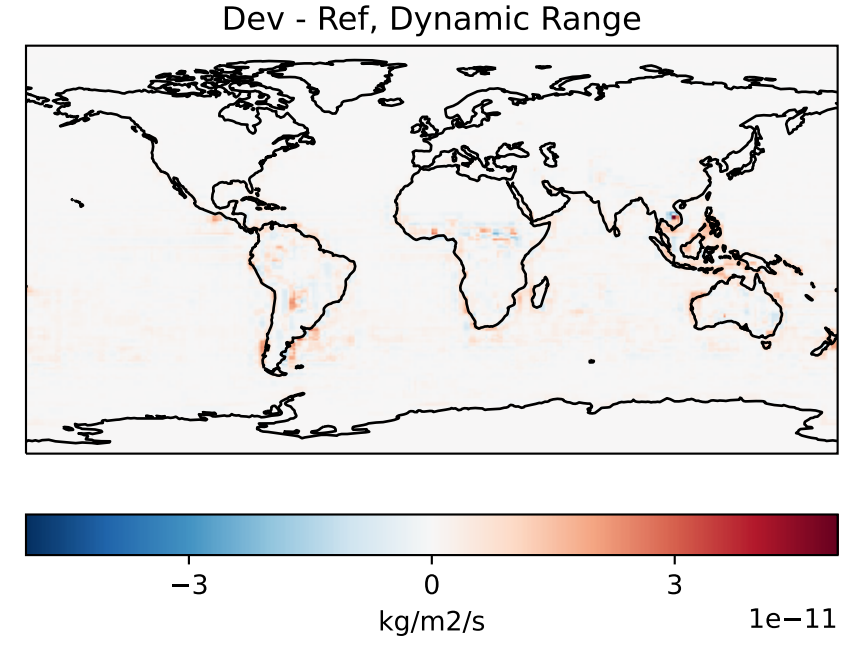
GCC_13.2.0 (Ref)
4.0x5.0



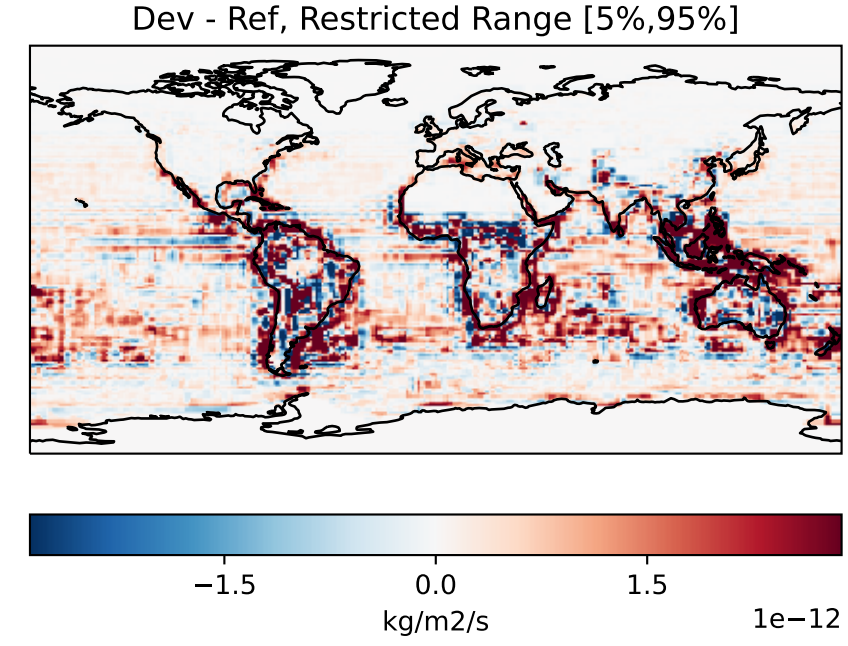
GCHP_13.2.0 (Dev)
c48



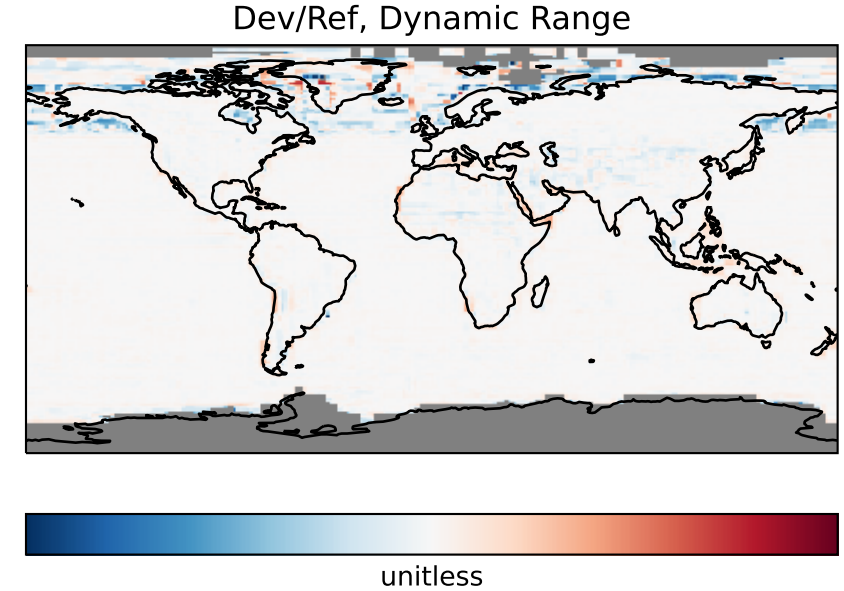
Difference (1x1.25)
Dev - Ref, Dynamic Range



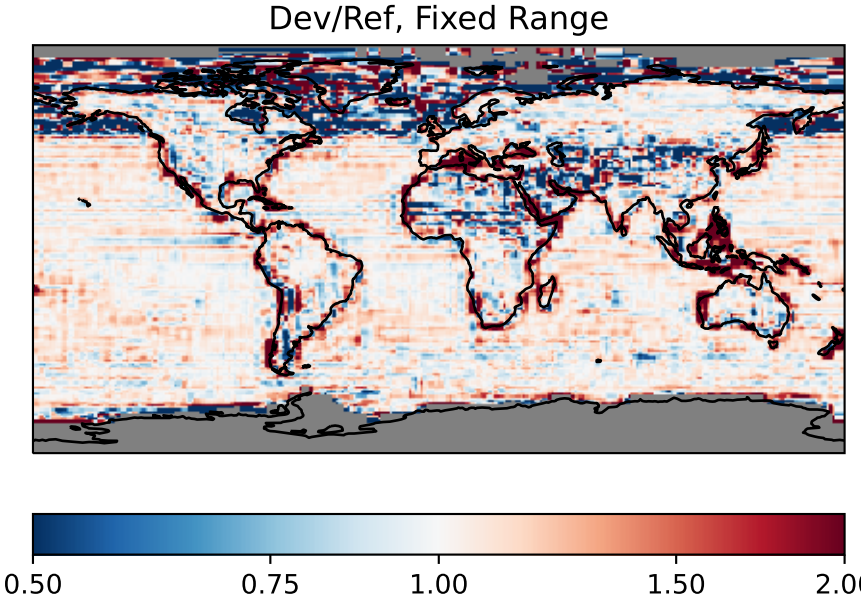
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

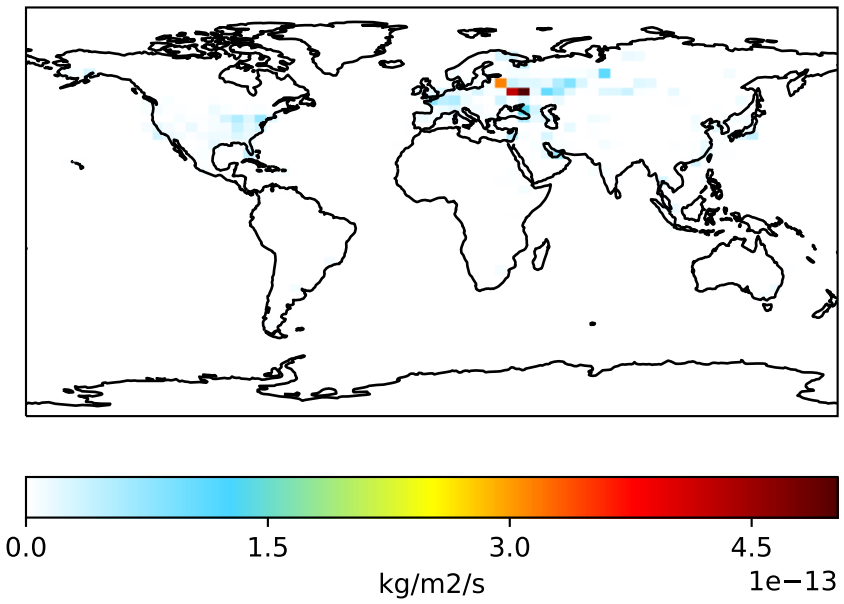


Ratio (1x1.25)
Dev/Ref, Fixed Range

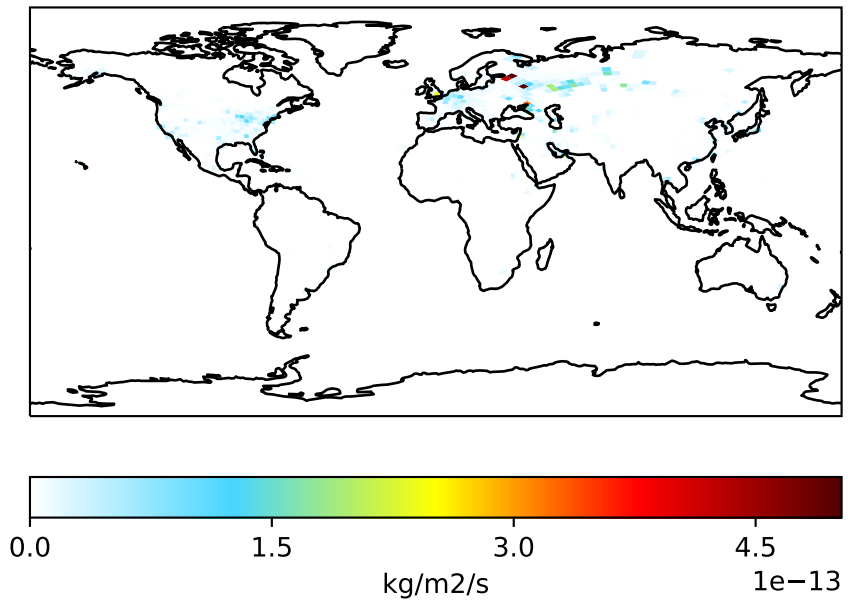


EmisCH2O_Aircraft (Jan2019)

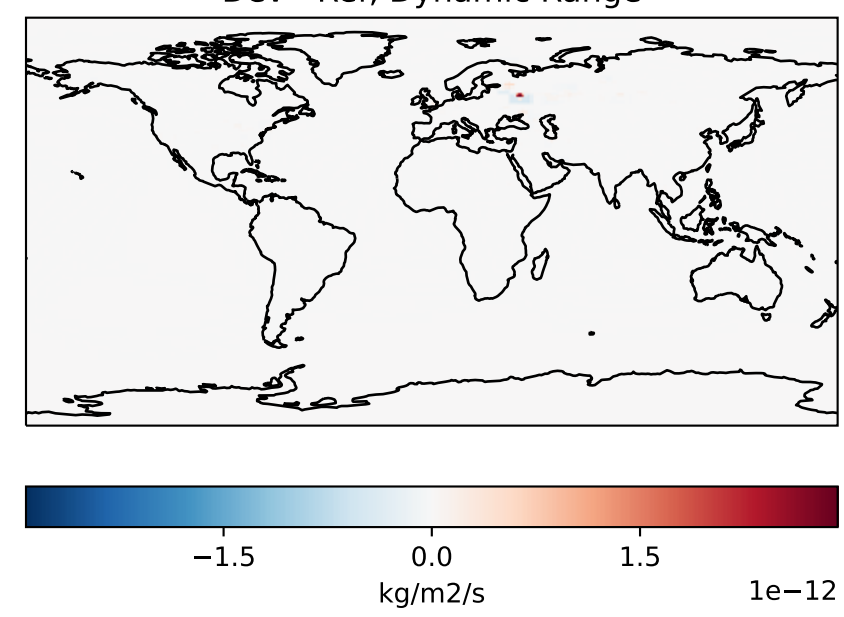
GCC_13.2.0 (Ref)
4.0x5.0



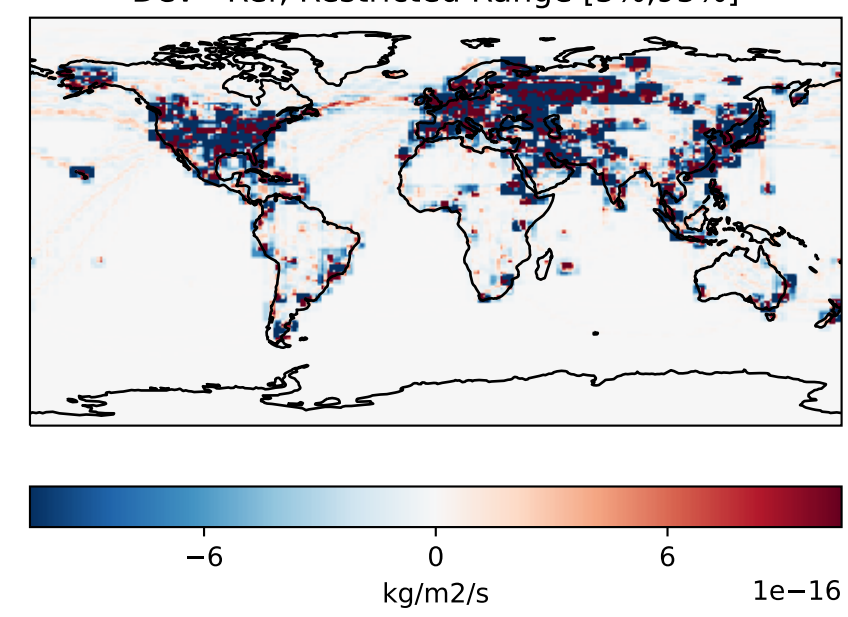
GCHP_13.2.0 (Dev)
c48



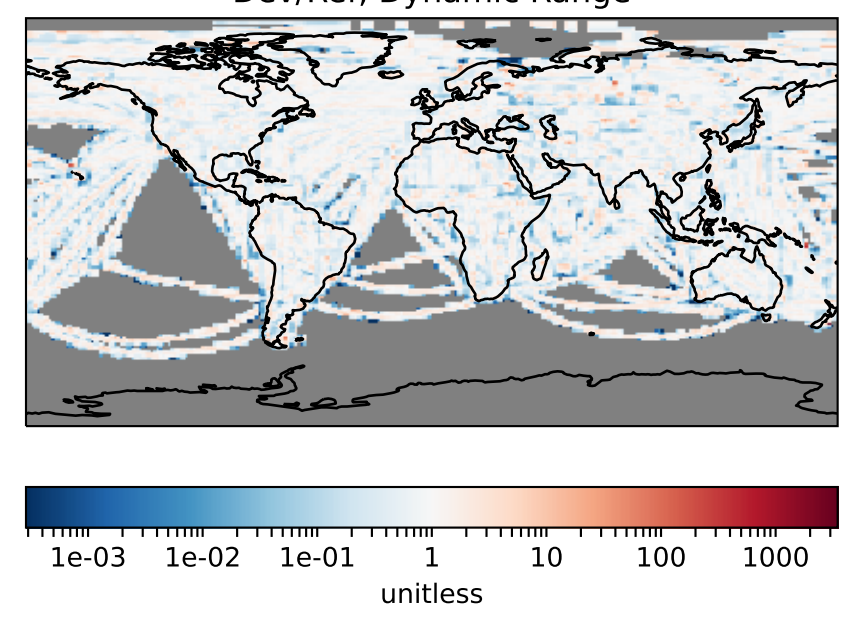
Difference (1x1.25)
Dev - Ref, Dynamic Range



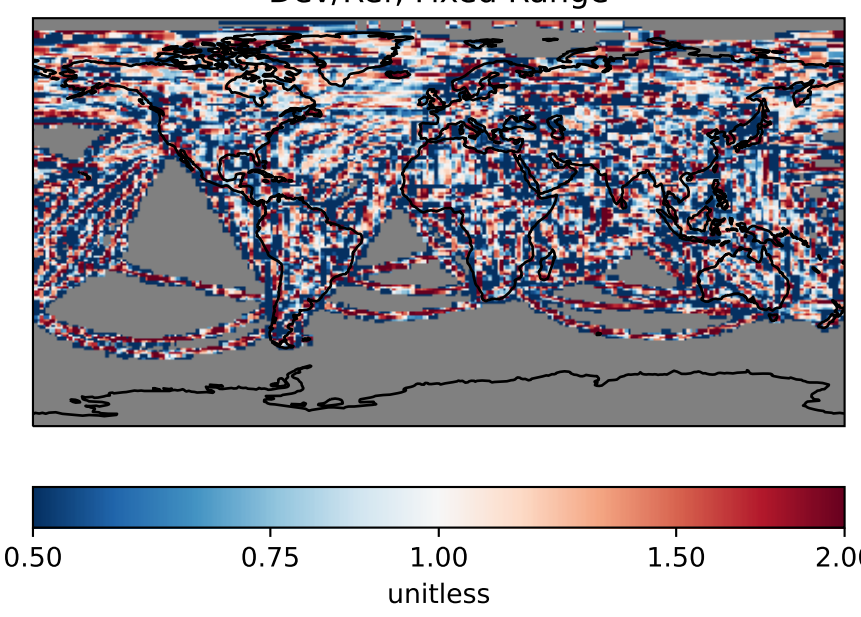
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

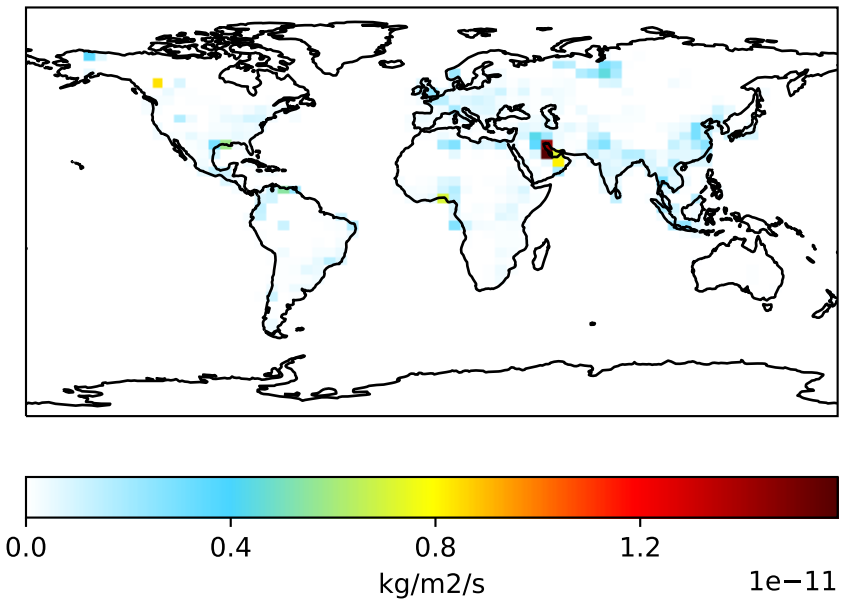


Ratio (1x1.25)
Dev/Ref, Fixed Range

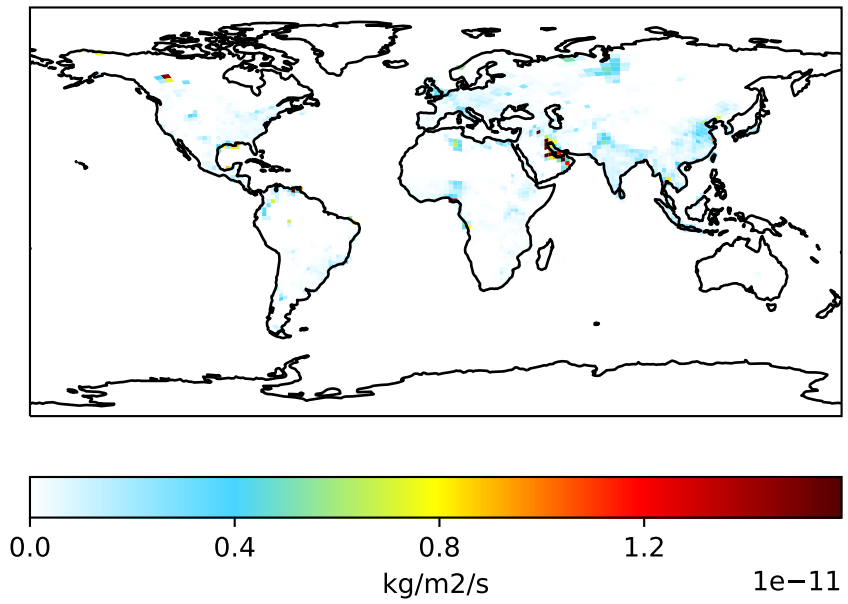


EmisCH2O_Anthro (Jan2019)

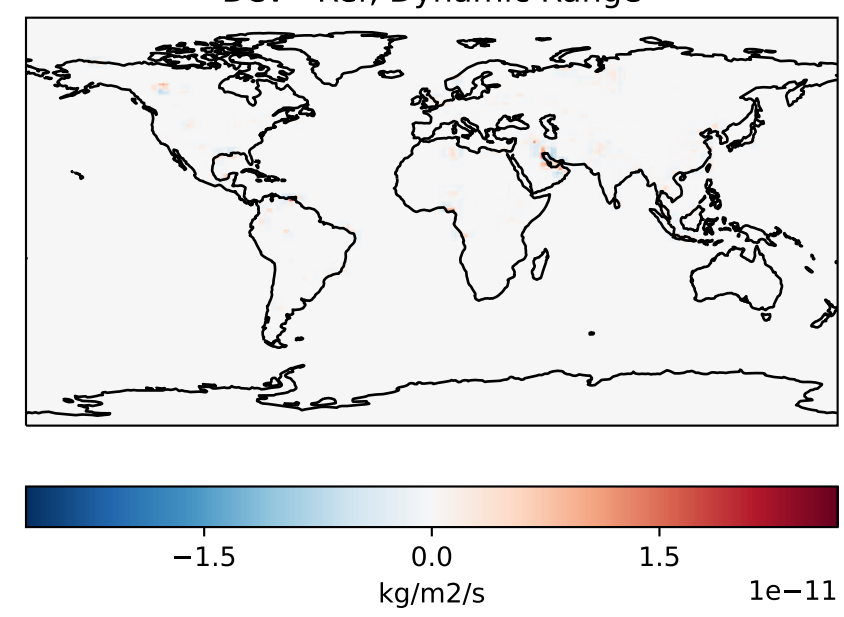
GCC_13.2.0 (Ref)
4.0x5.0



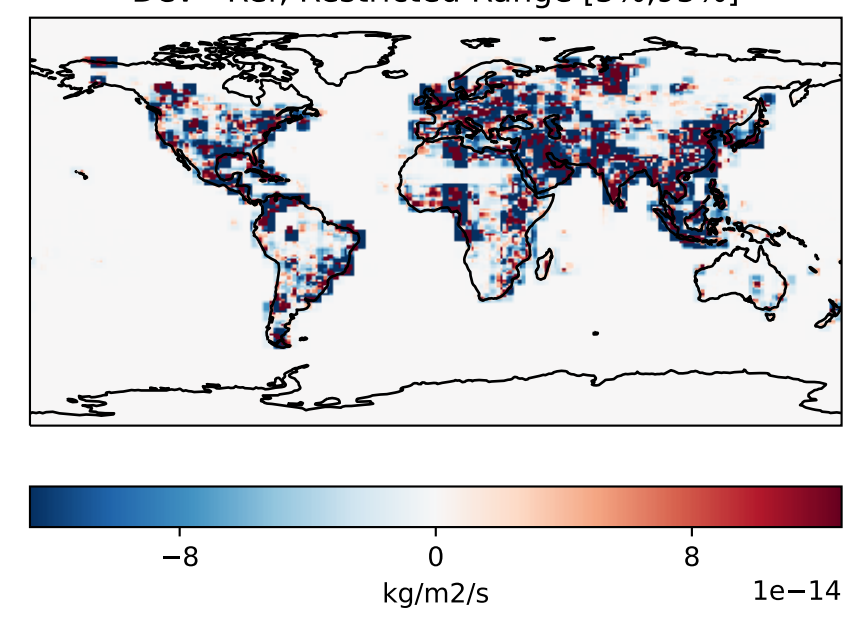
GCHP_13.2.0 (Dev)
c48



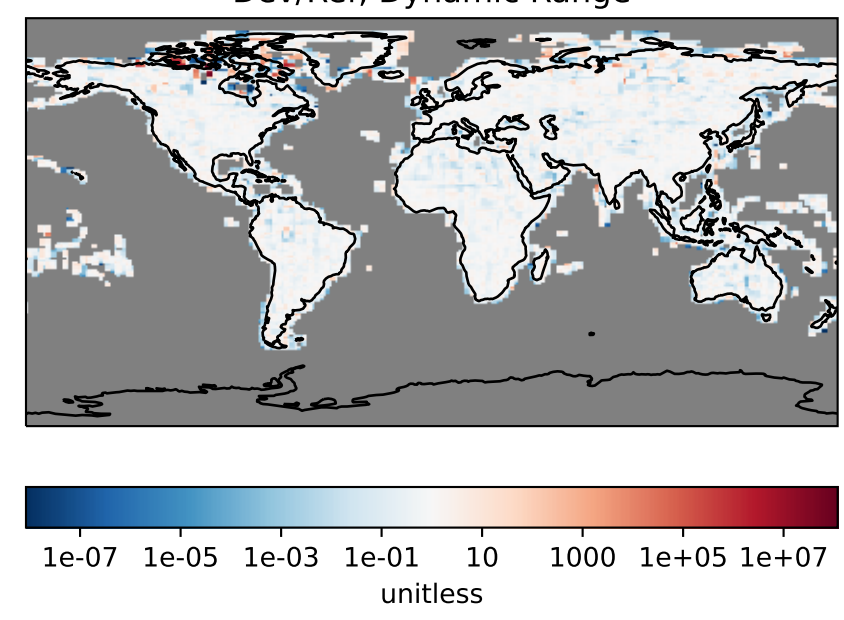
Difference (1x1.25)
Dev - Ref, Dynamic Range



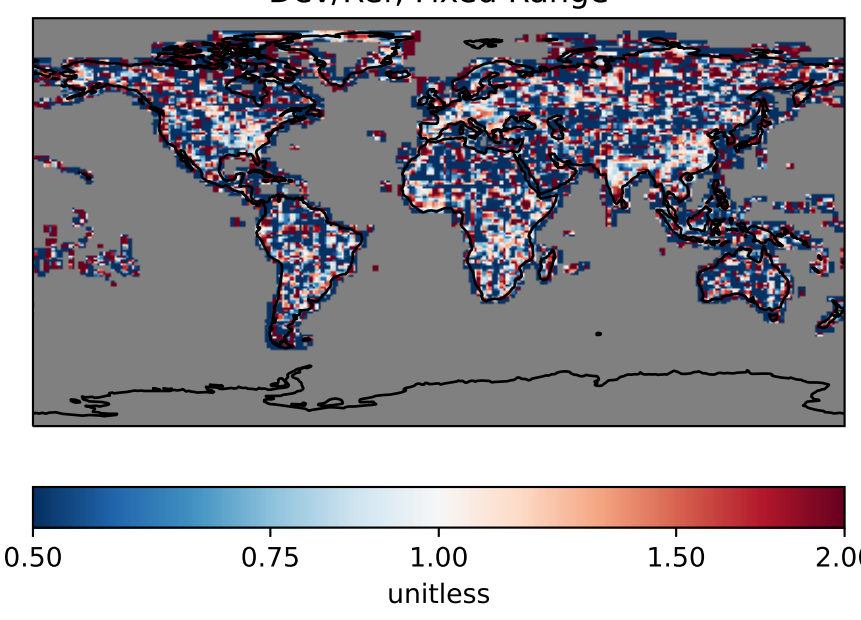
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

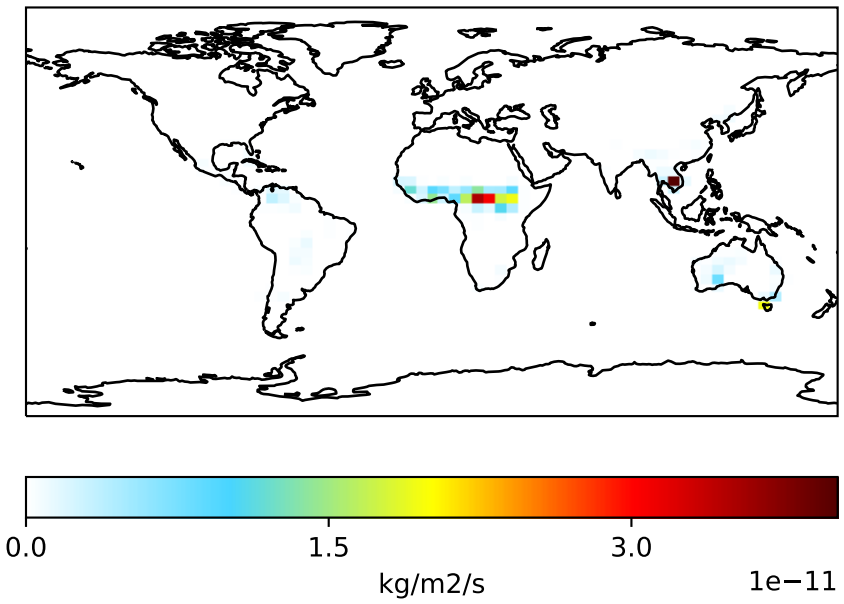


Ratio (1x1.25)
Dev/Ref, Fixed Range

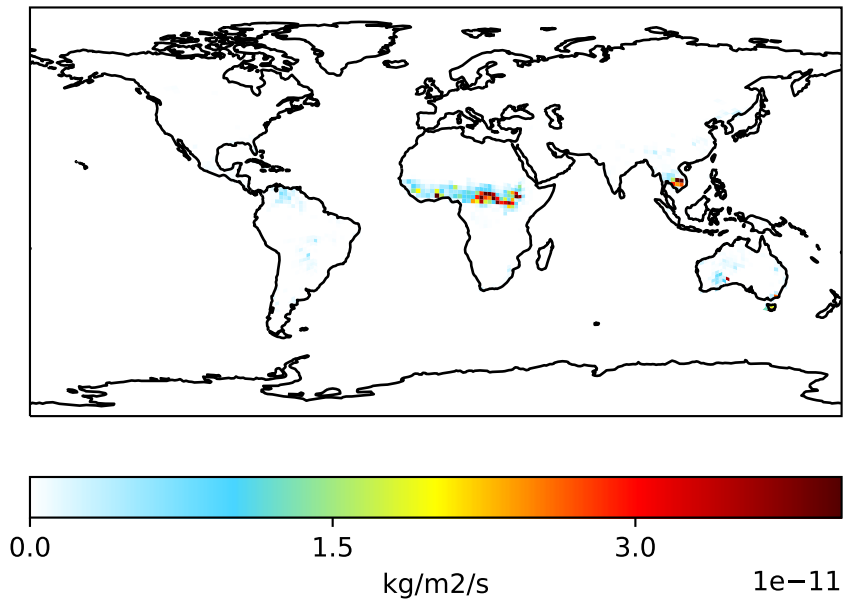


EmisCH2O_BioBurn (Jan2019)

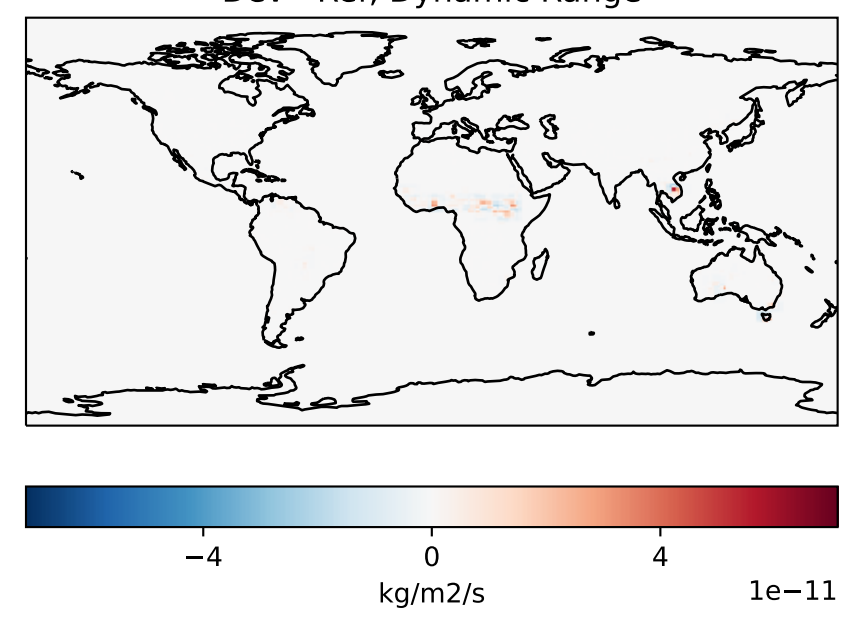
GCC_13.2.0 (Ref)
4.0x5.0



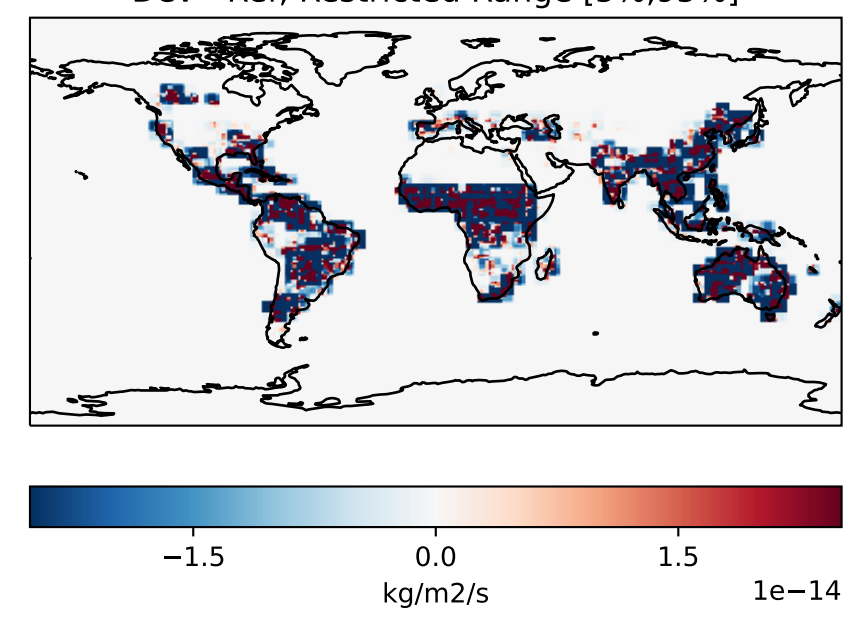
GCHP_13.2.0 (Dev)
c48



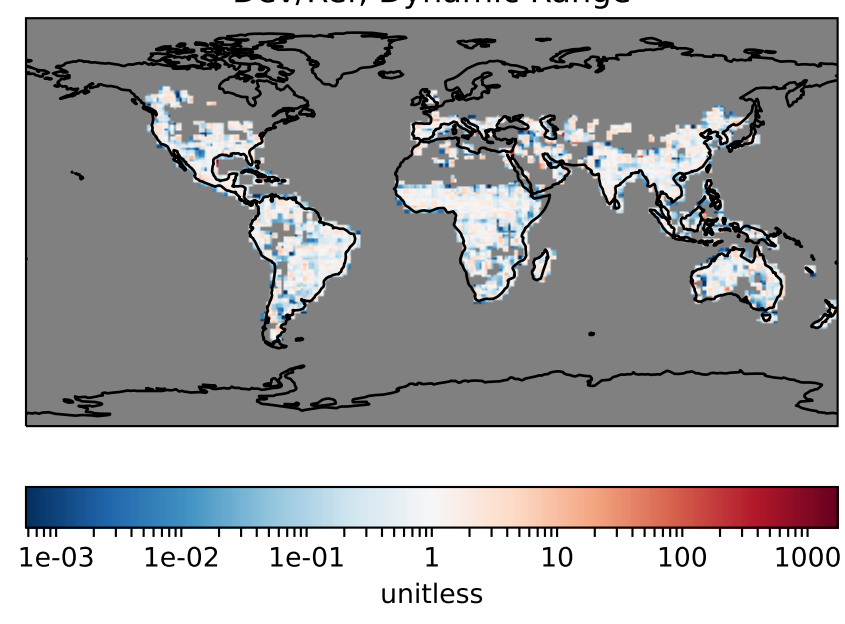
Difference (1x1.25)
Dev - Ref, Dynamic Range



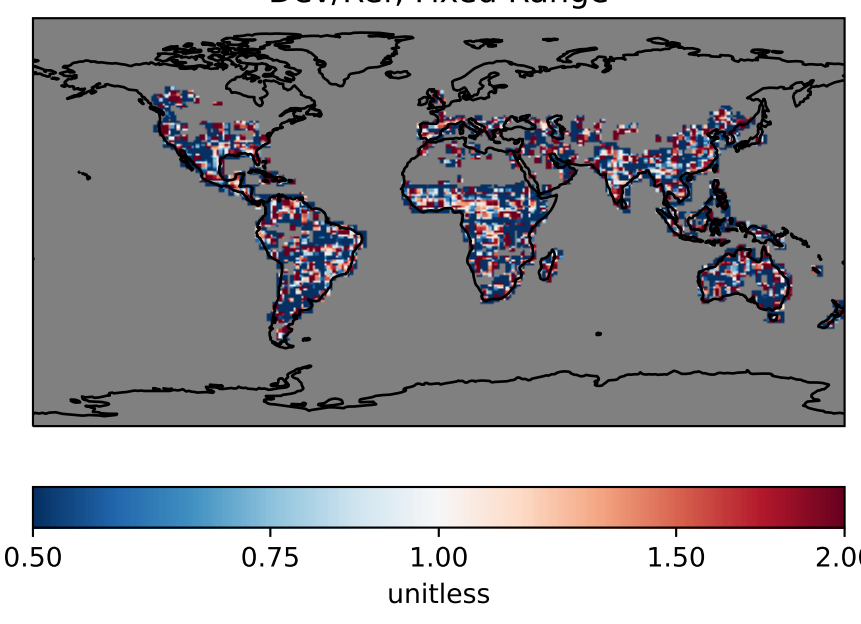
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

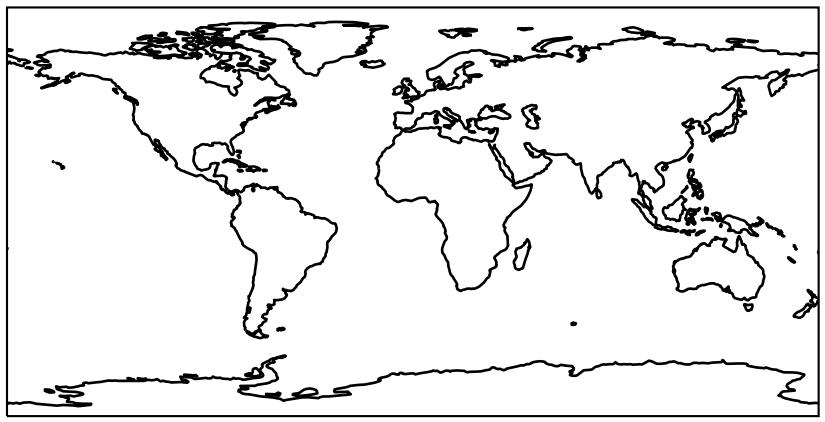


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisCH2O_Ship (Jan2019)

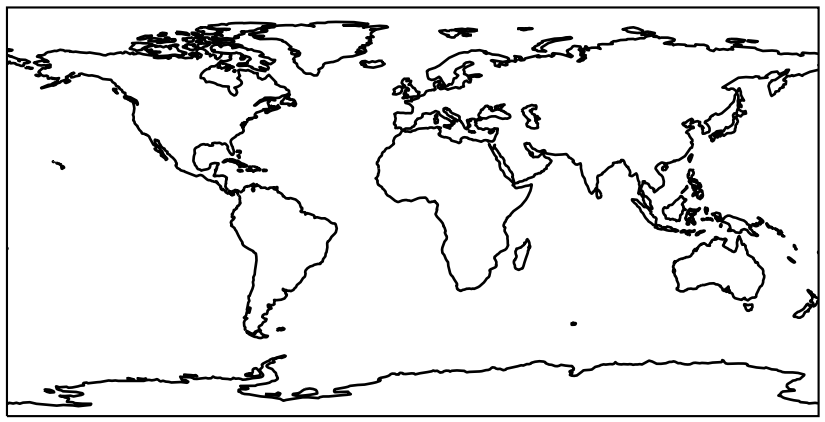
GCC_13.2.0 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

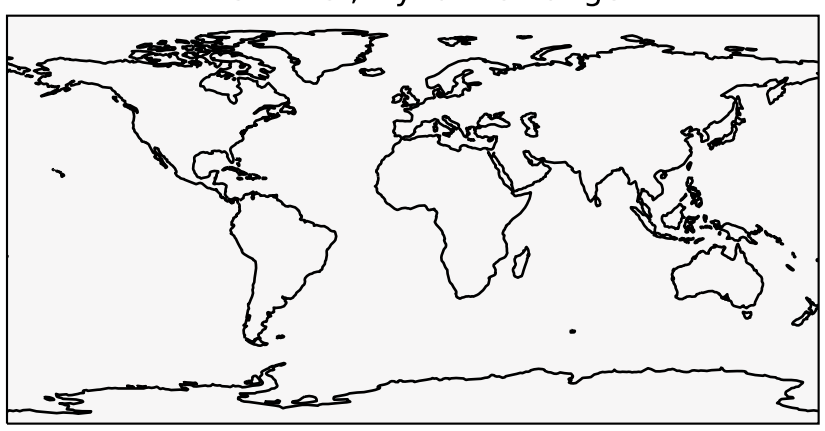
GCHP_13.2.0 (Dev)
c48





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kg/m2/s

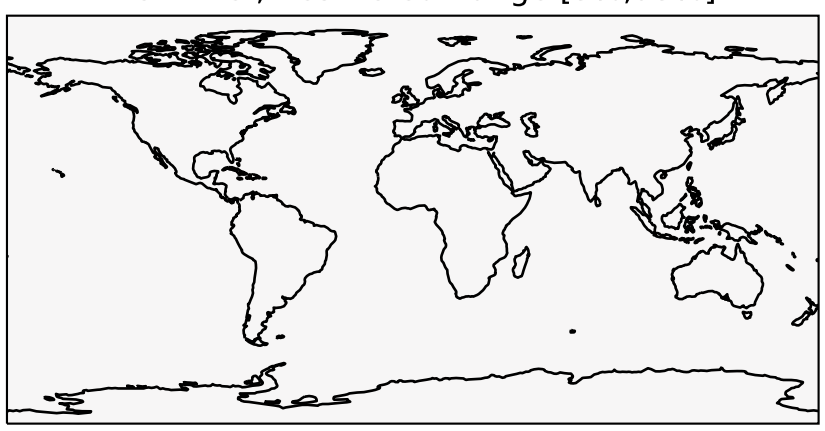
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

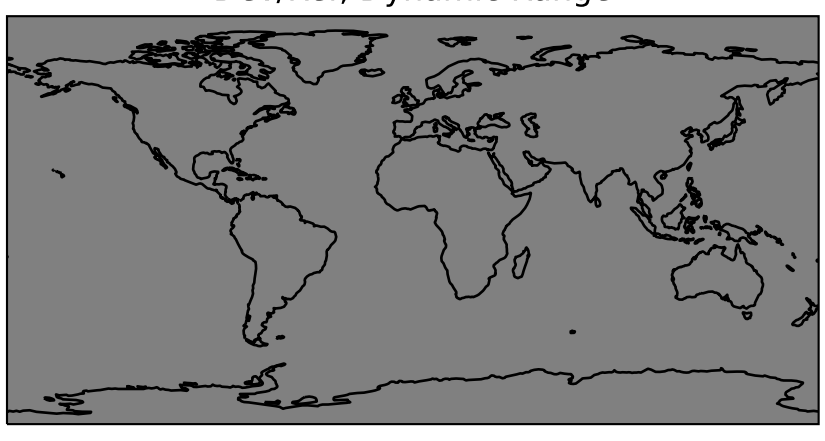
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

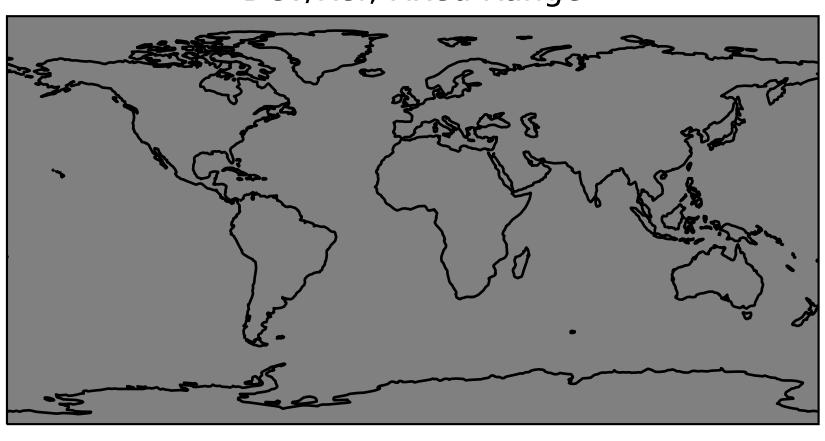
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

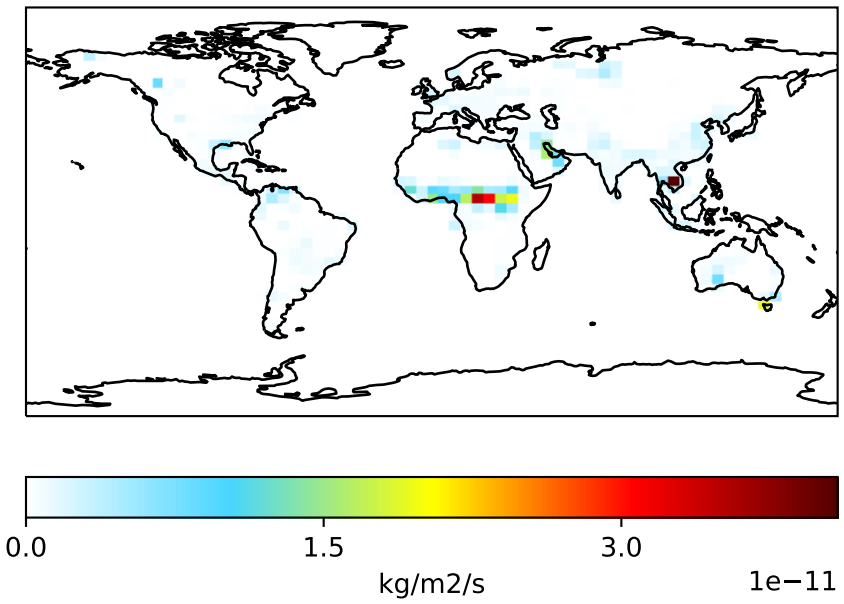




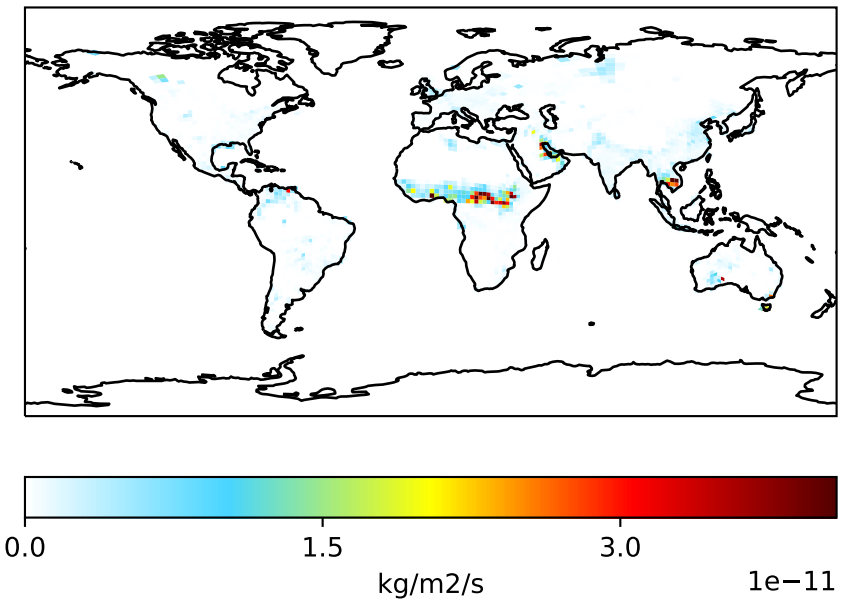
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EmisCH2O_Total (Jan2019)

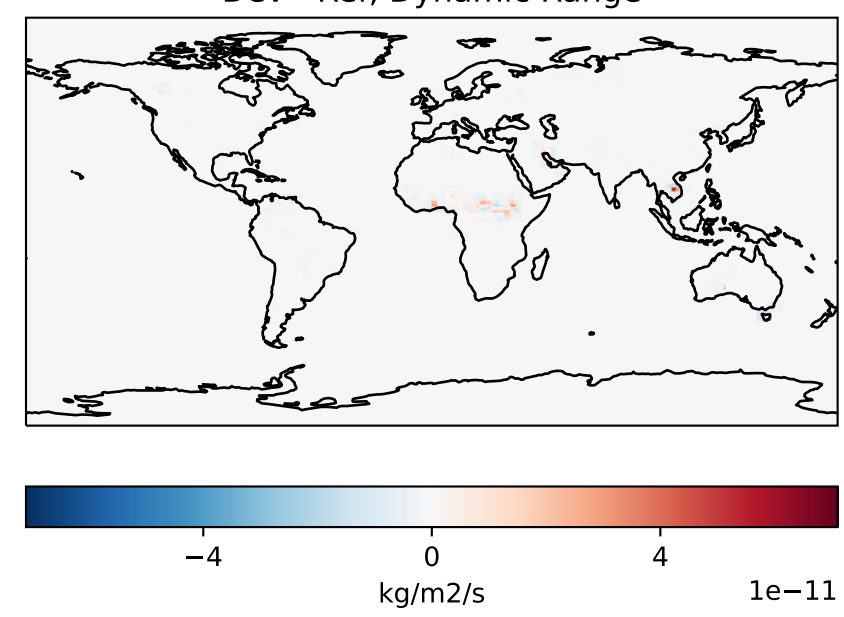
GCC_13.2.0 (Ref)
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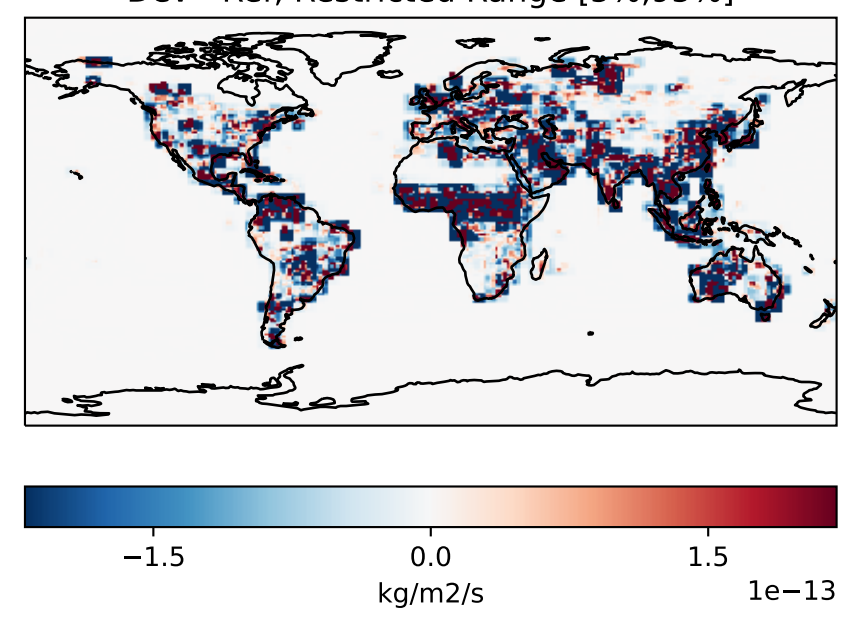
GCHP_13.2.0 (Dev)
c48



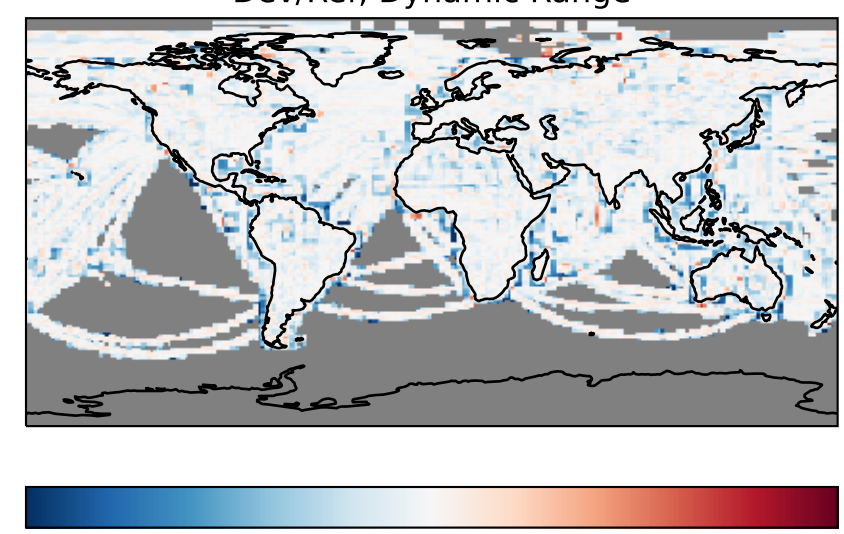
Difference (1x1.25)
Dev - Ref, Dynamic Range



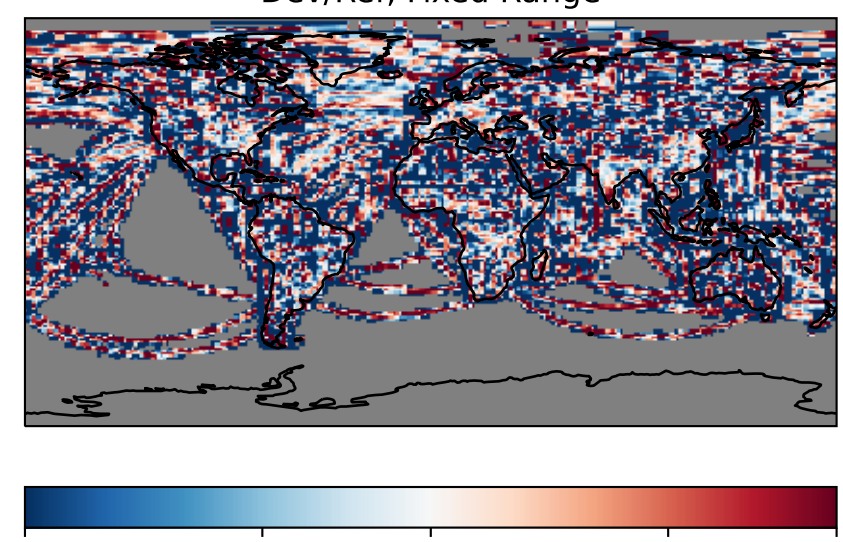
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

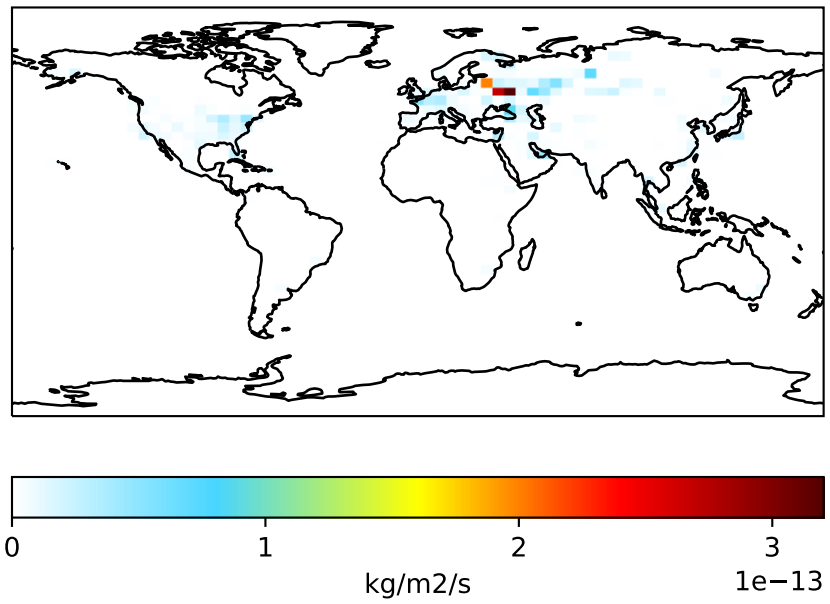


Ratio (1x1.25)
Dev/Ref, Fixed Range

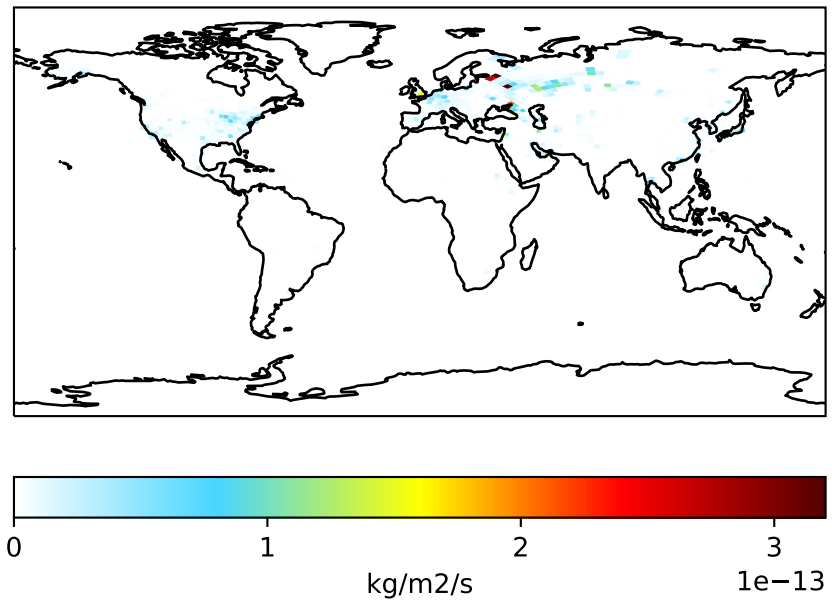


EmisMACR_Aircraft (Jan2019)

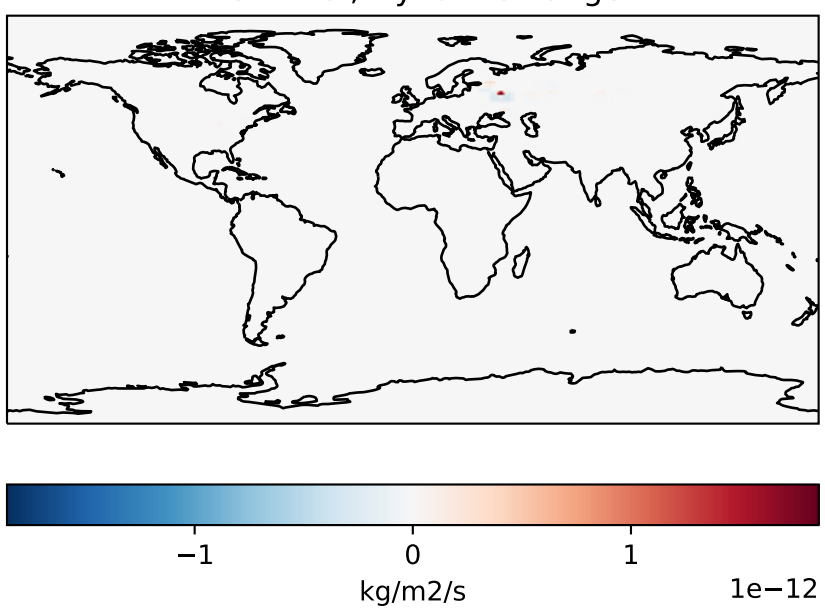
GCC_13.2.0 (Ref)
4.0x5.0



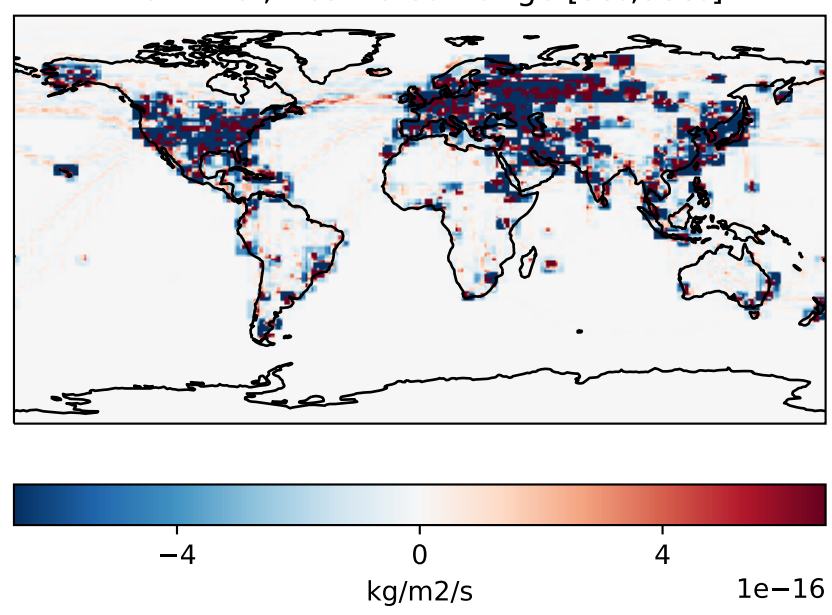
GCHP_13.2.0 (Dev)
c48



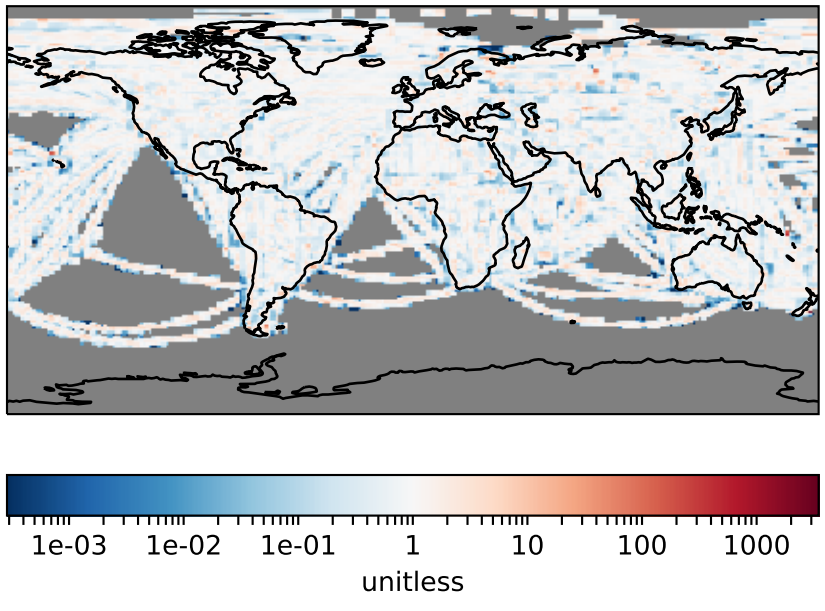
Difference (1x1.25)
Dev - Ref, Dynamic Range



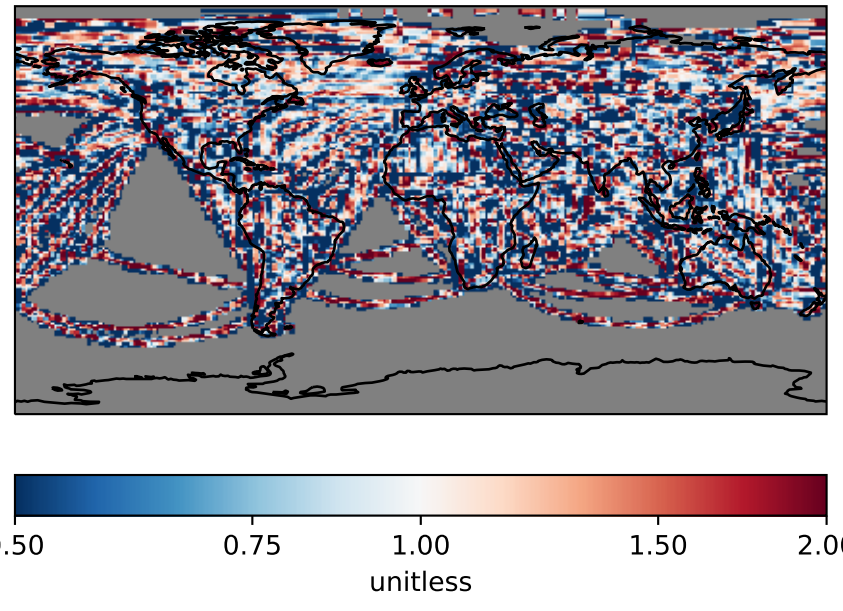
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

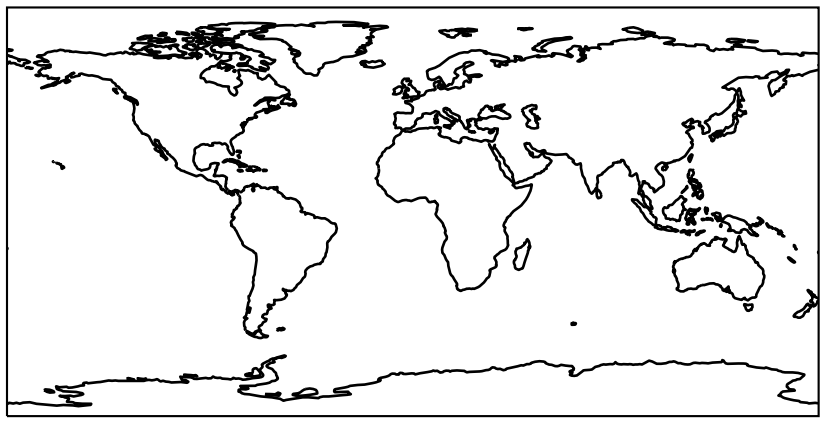


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisMACR_Anthro (Jan2019)

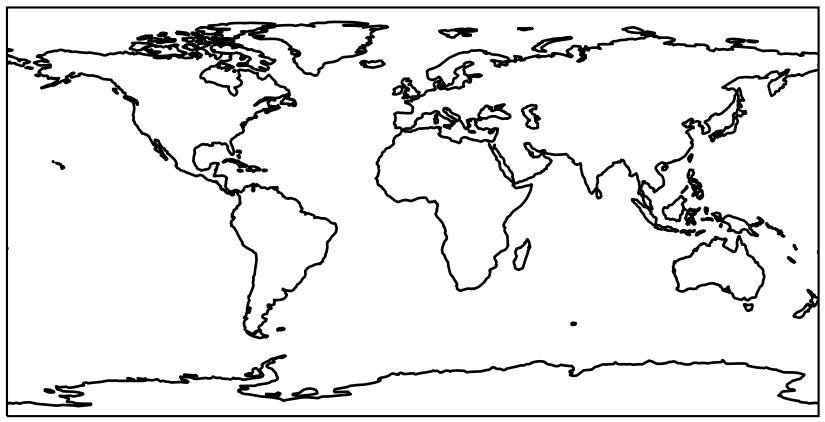
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kg/m2/s

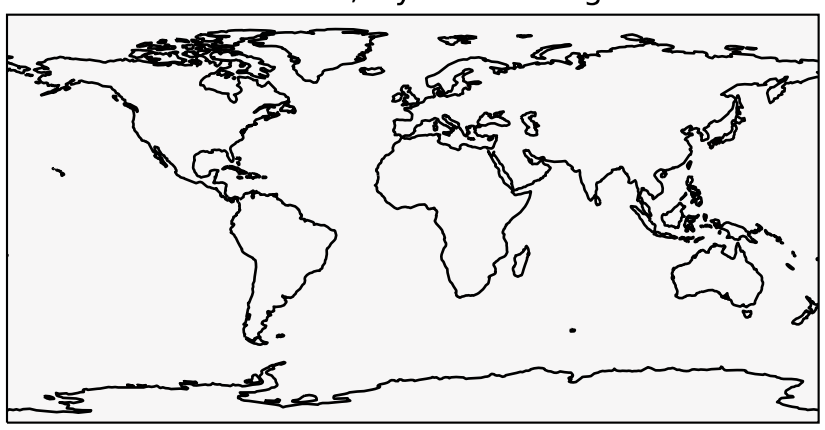
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c48





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kg/m2/s

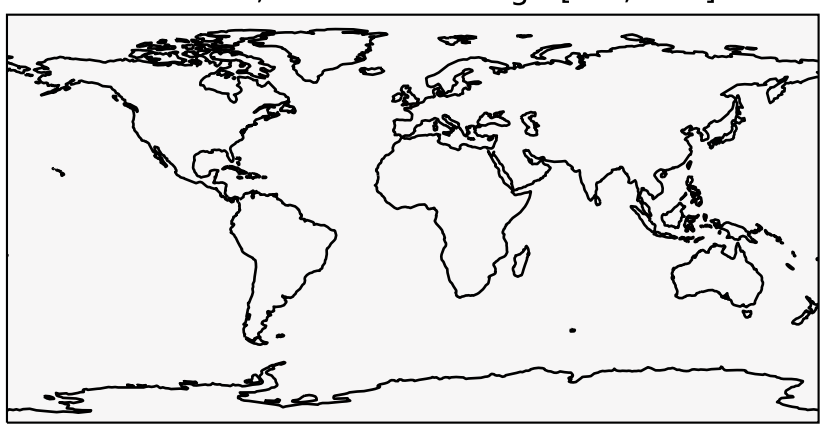
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Dev - Ref, Dynamic Range





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kg/m2/s

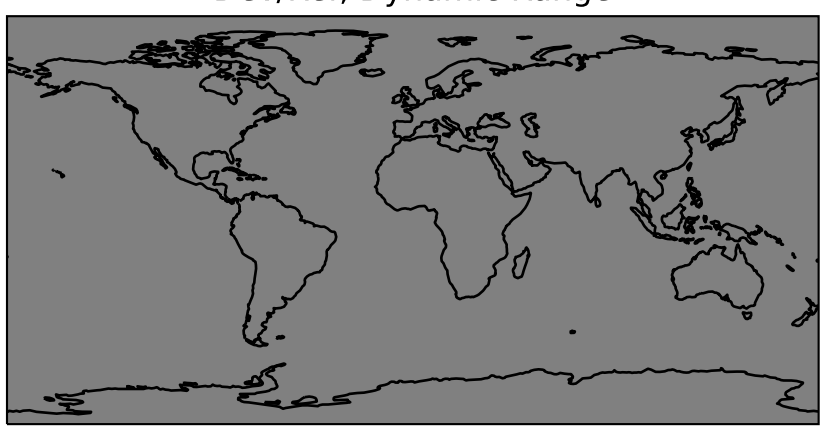
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

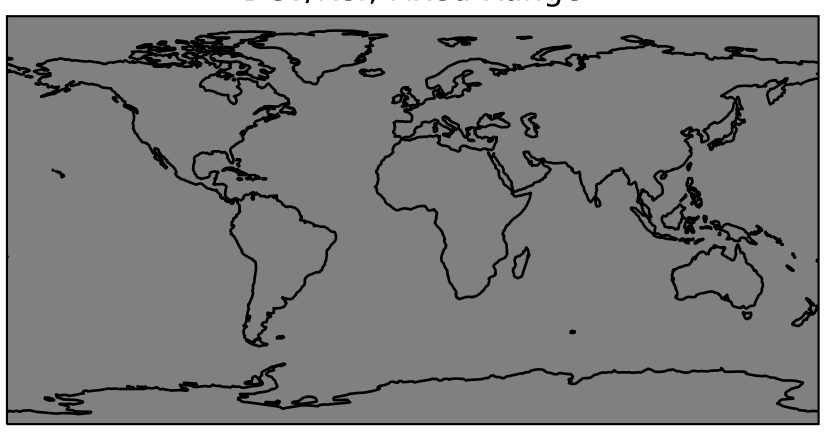
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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Ratio (1x1.25)
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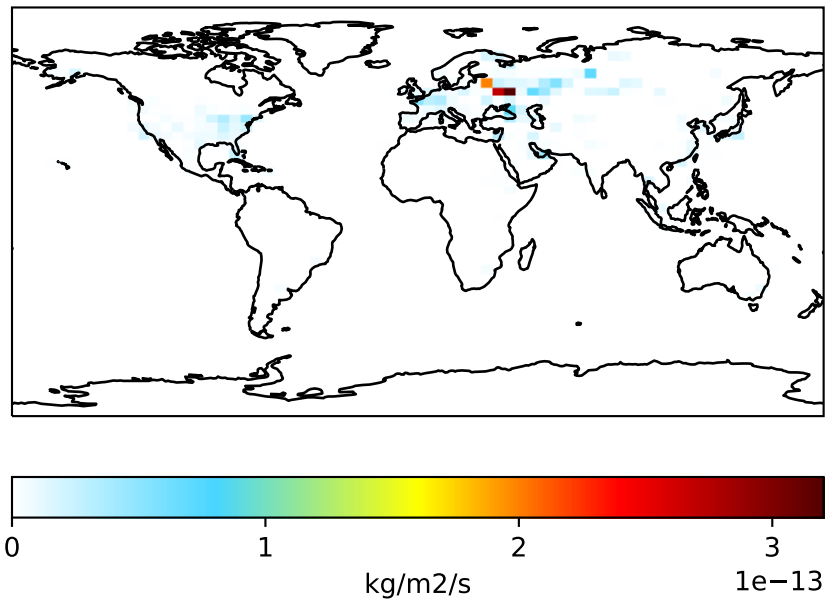




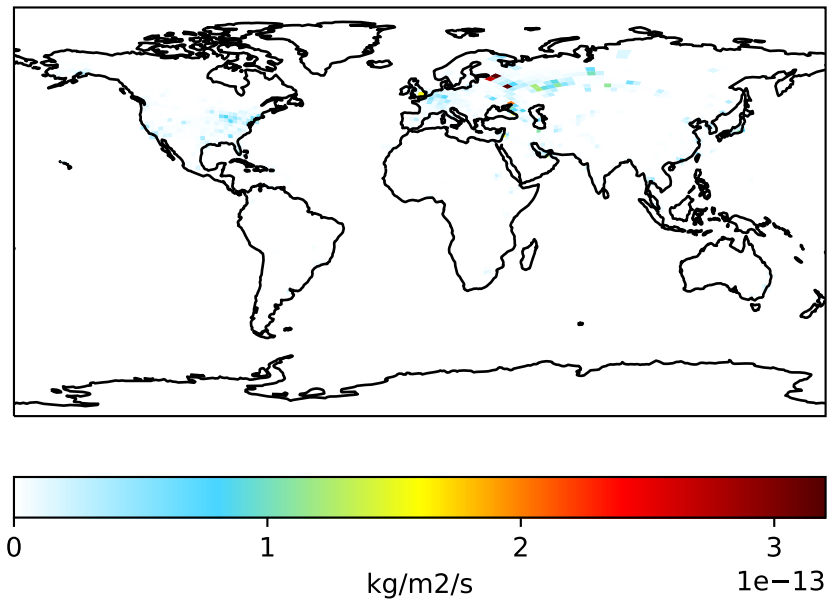
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EmisMACR_Total (Jan2019)

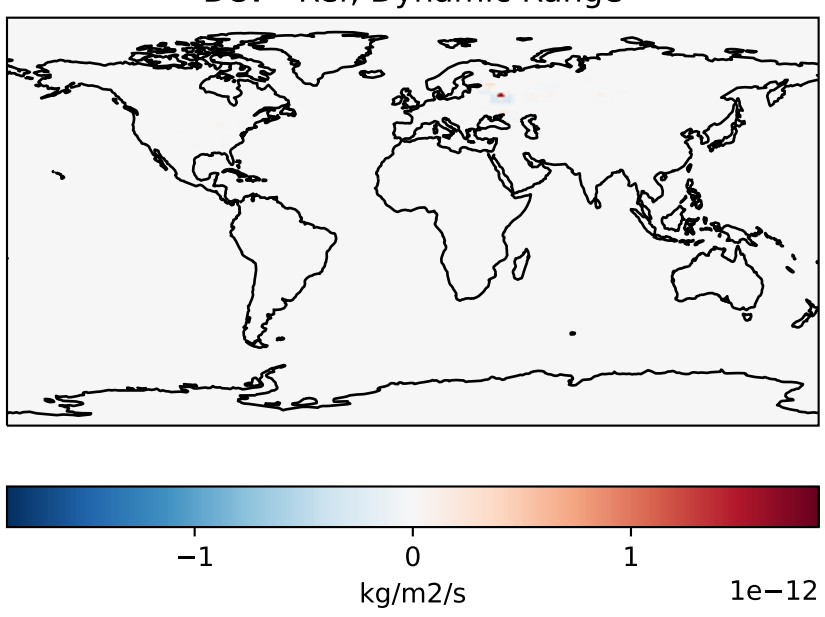
GCC_13.2.0 (Ref)
4.0x5.0



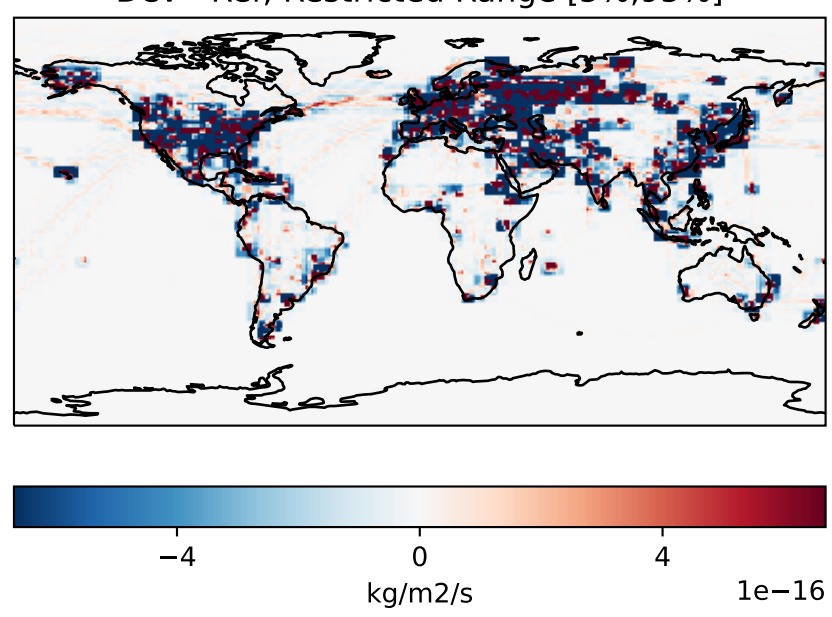
GCHP_13.2.0 (Dev)
c48



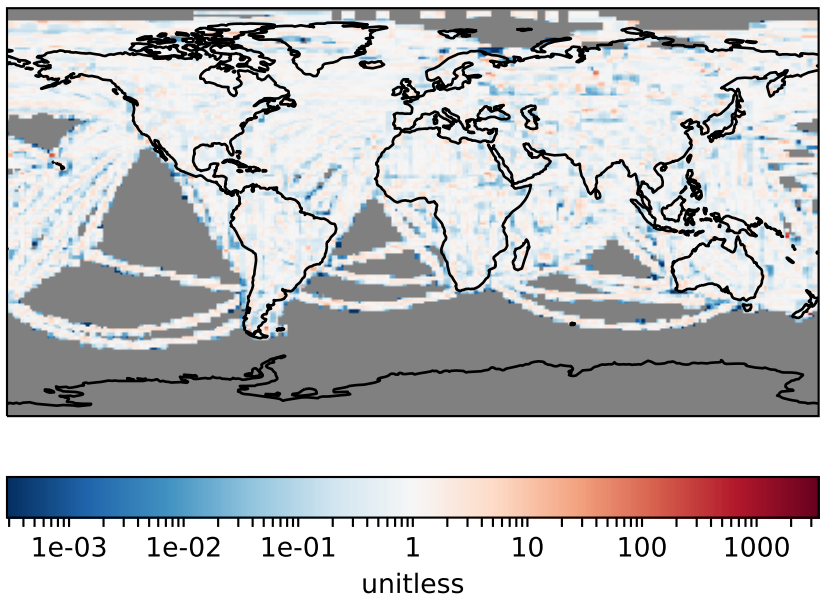
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Dev - Ref, Dynamic Range



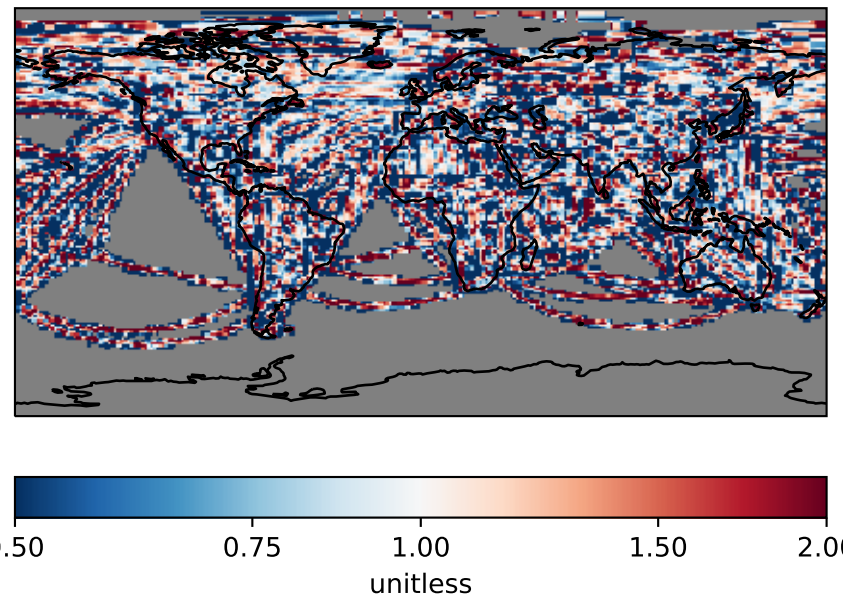
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

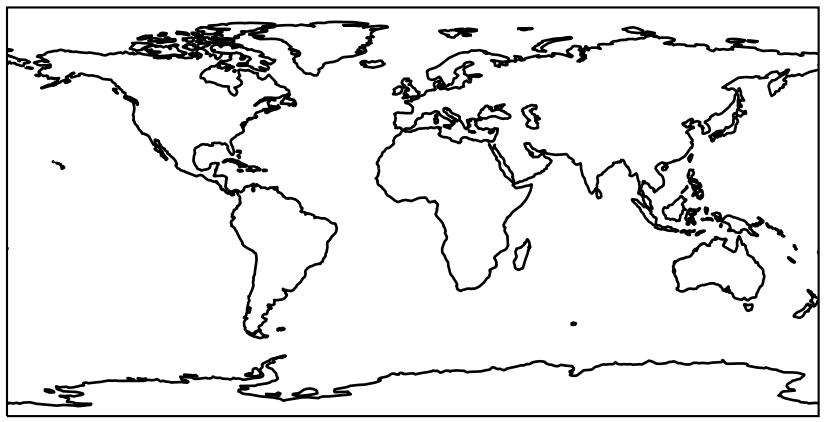


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisACET_Anthro (Jan2019)

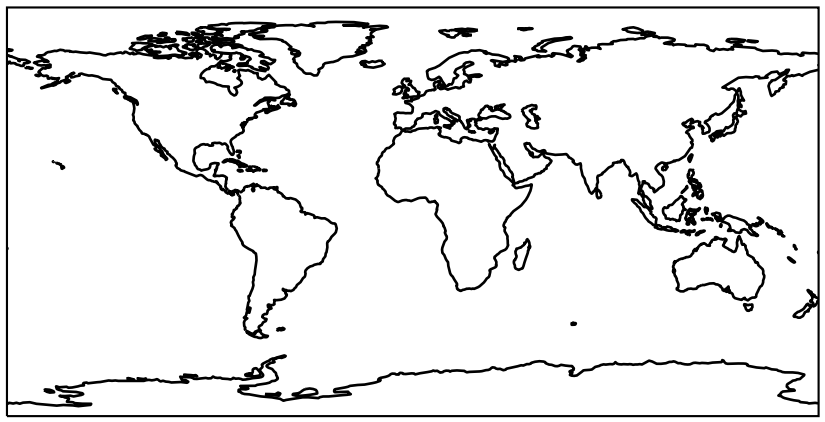
GCC_13.2.0 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

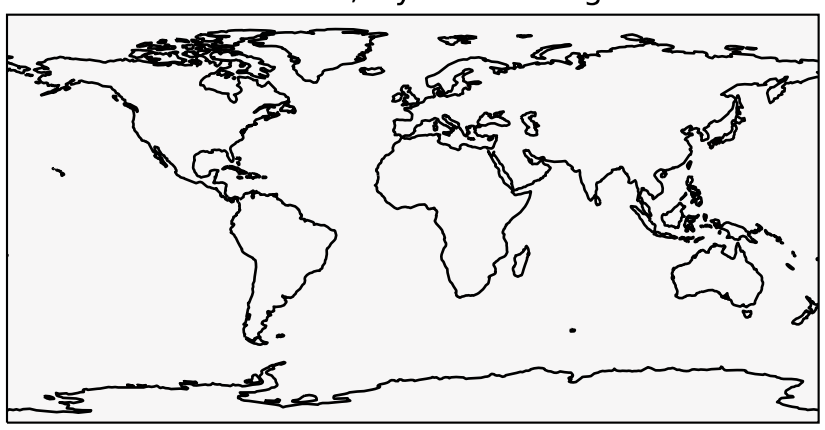
GCHP_13.2.0 (Dev)
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kg/m2/s

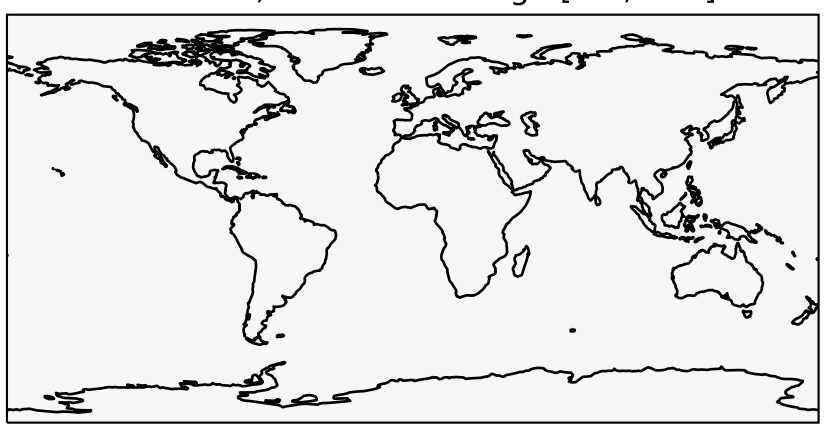
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

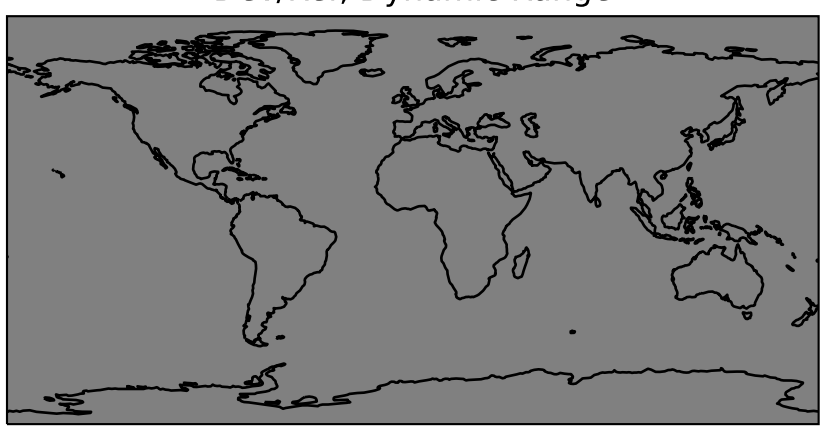
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

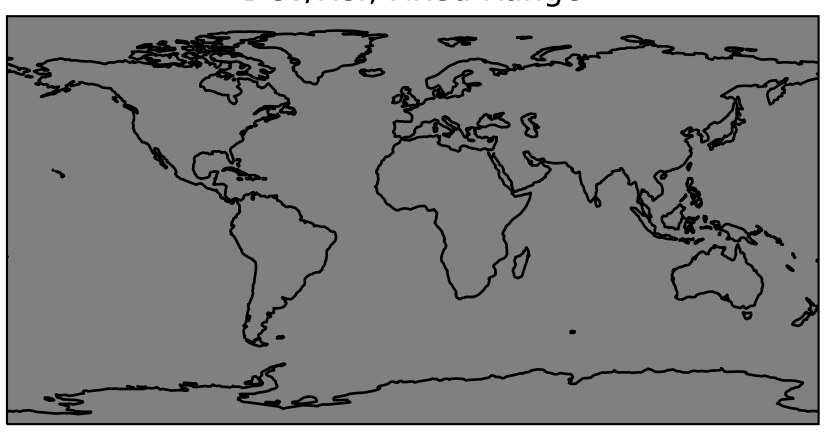
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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unitless

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

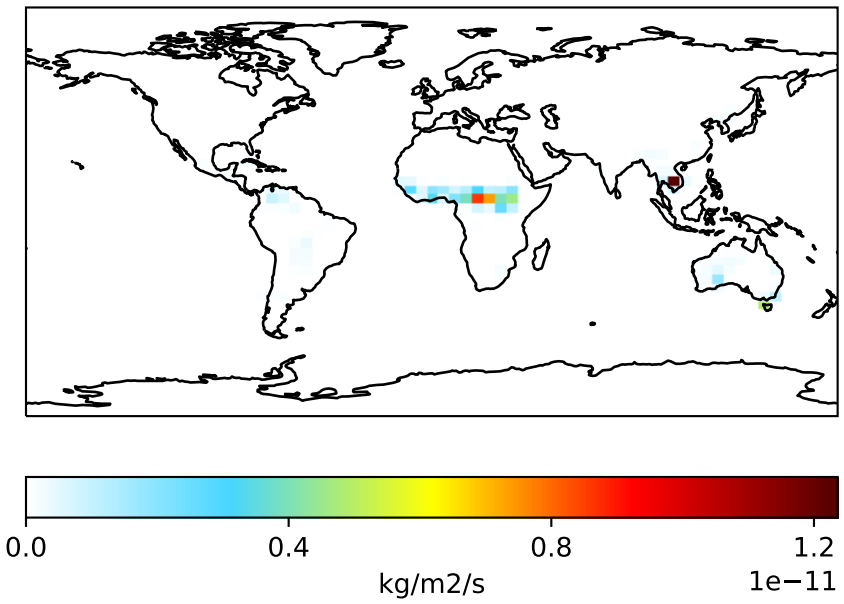




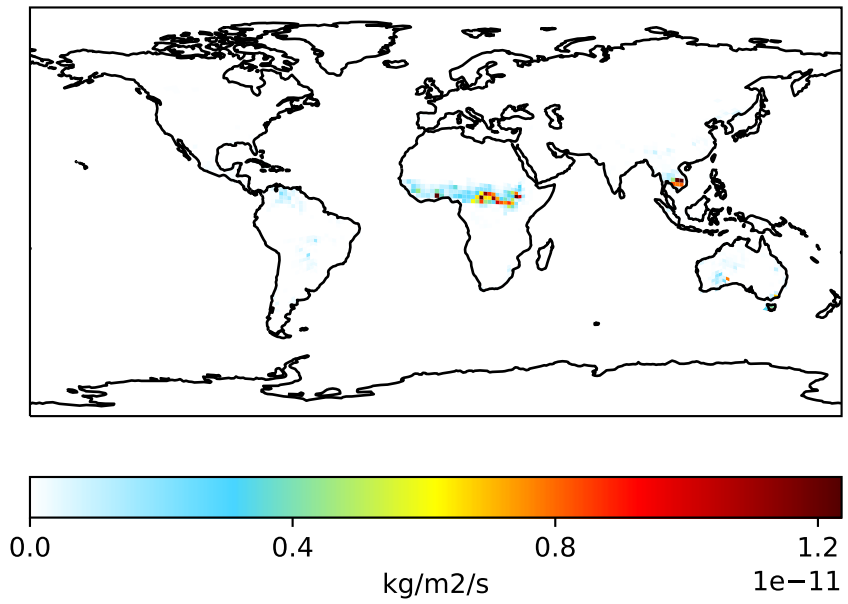
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EmisACET_BioBurn (Jan2019)

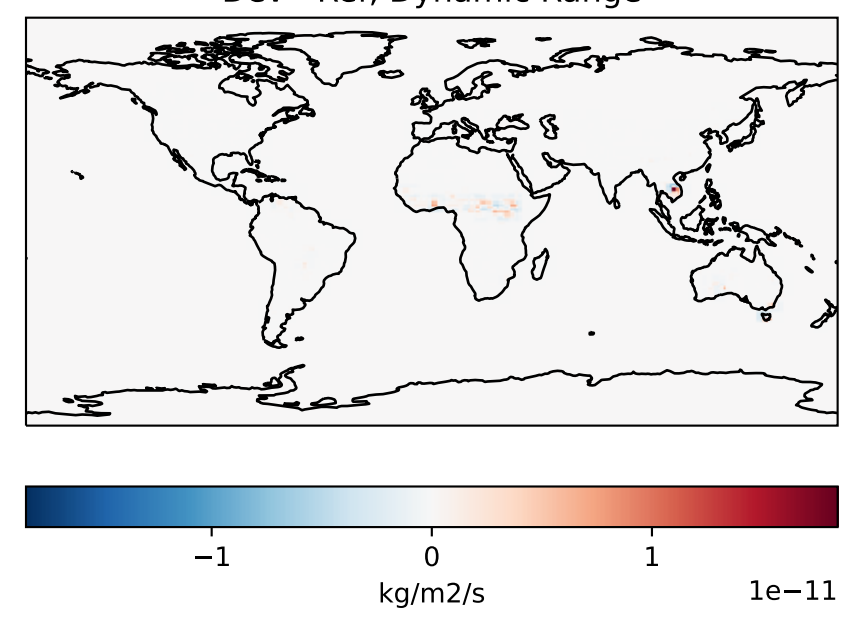
GCC_13.2.0 (Ref)
4.0x5.0



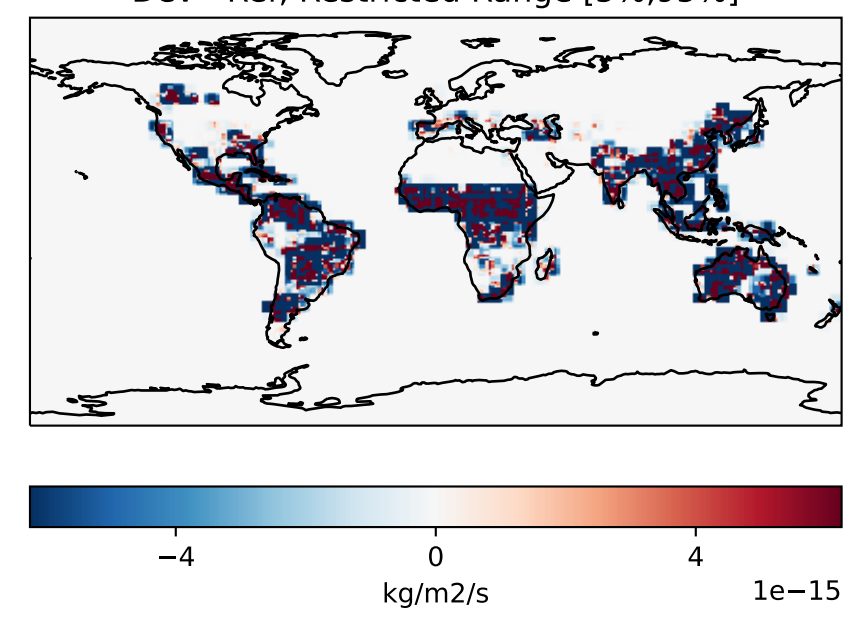
GCHP_13.2.0 (Dev)
c48



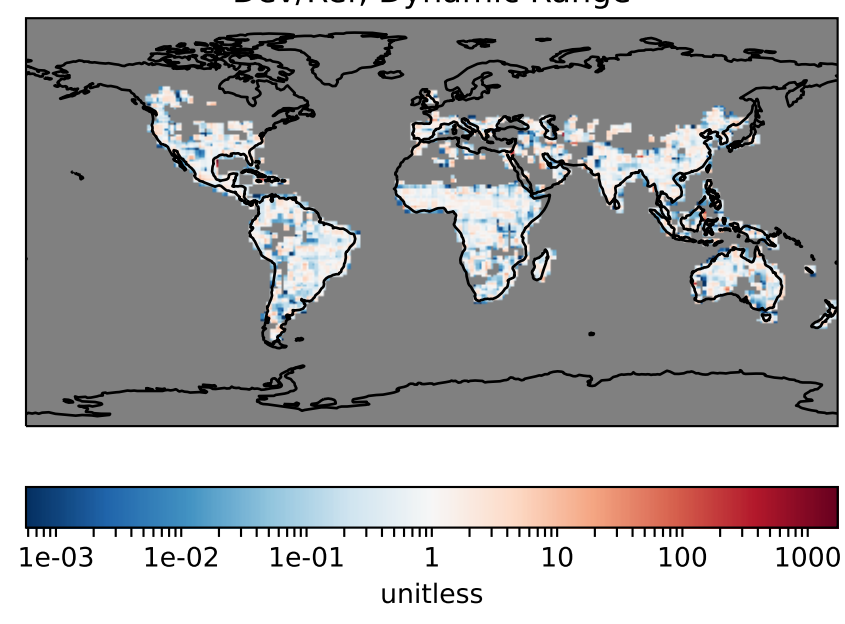
Difference (1x1.25)
Dev - Ref, Dynamic Range



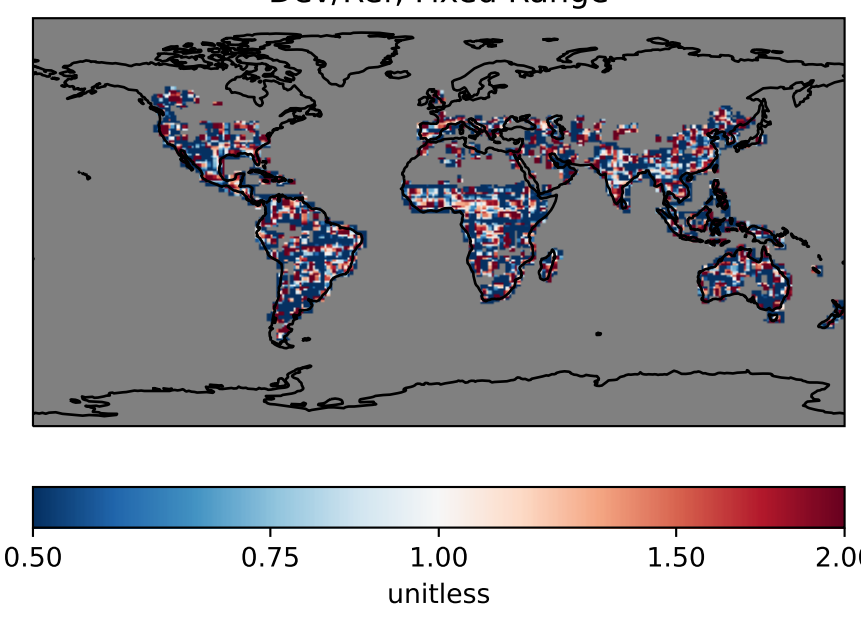
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

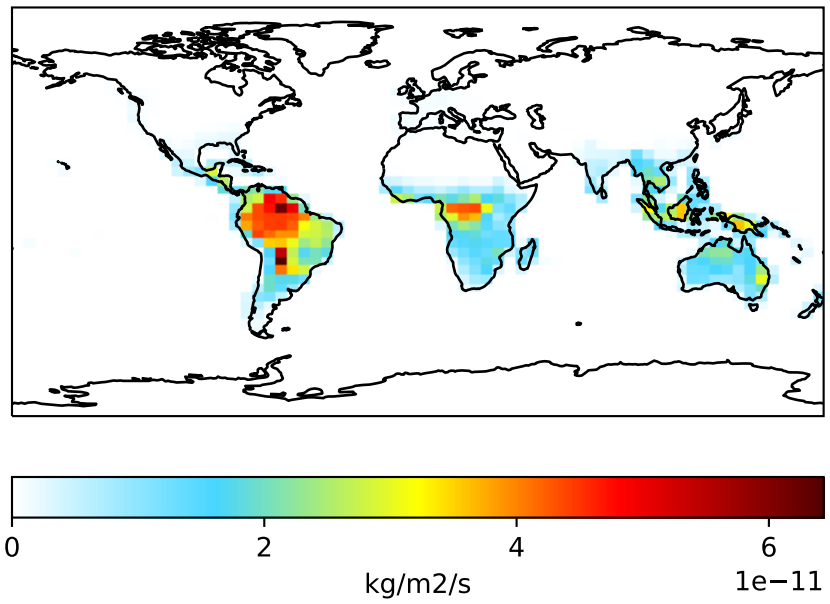


Ratio (1x1.25)
Dev/Ref, Fixed Range

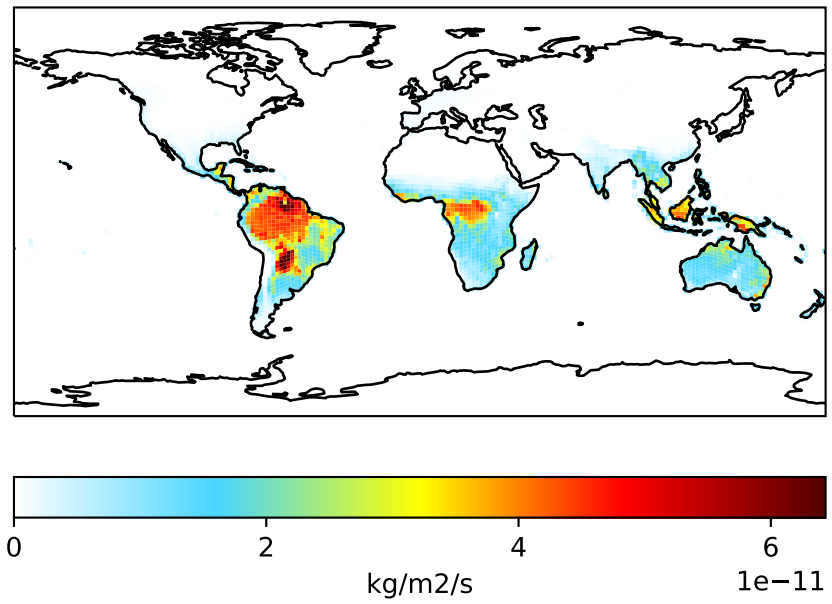


EmisACET_Biogenic (Jan2019)

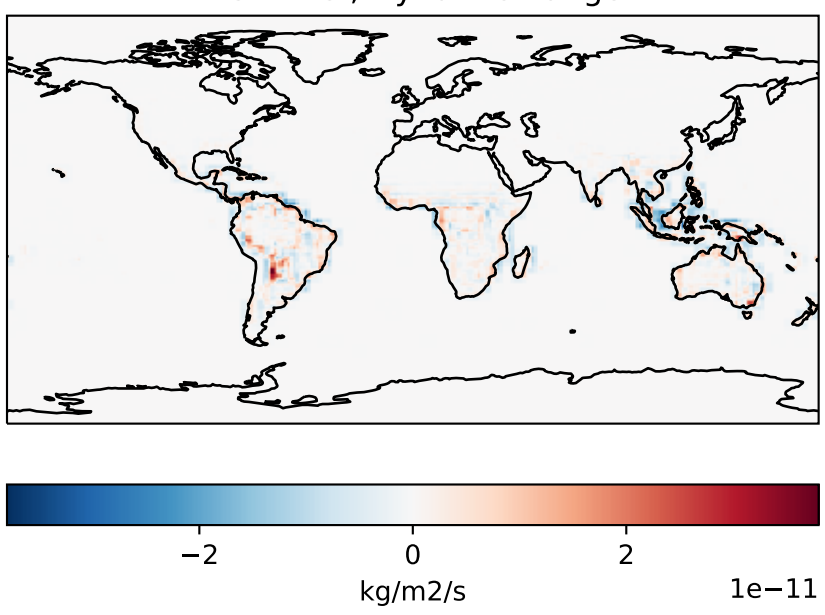
GCC_13.2.0 (Ref)
4.0x5.0



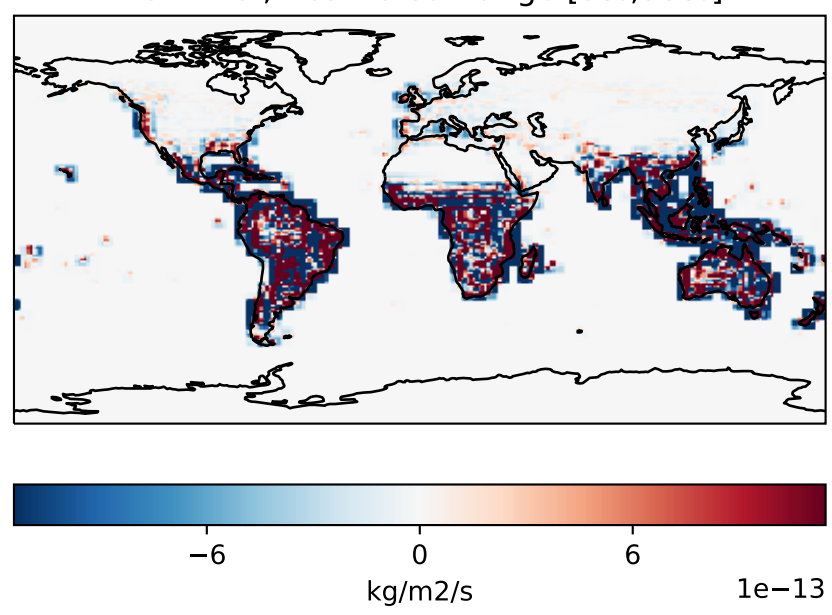
GCHP_13.2.0 (Dev)
c48



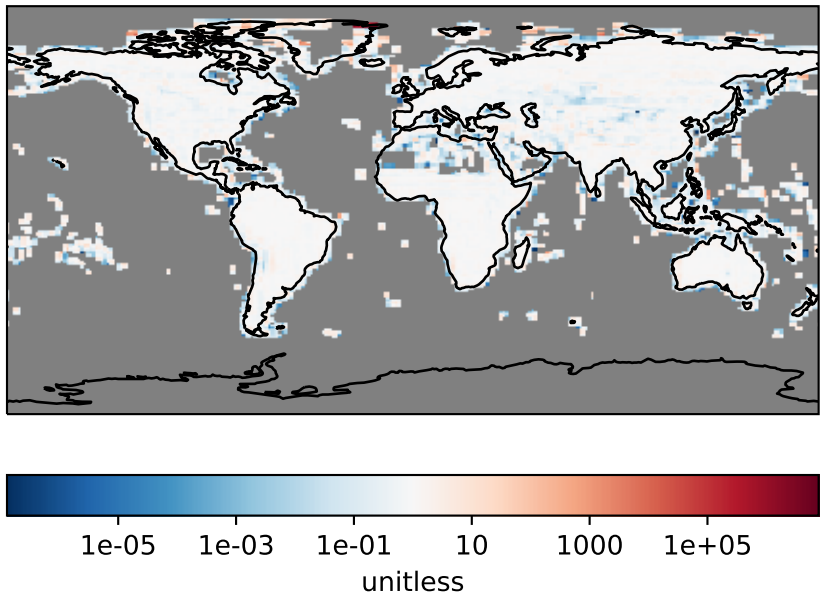
Difference (1x1.25)
Dev - Ref, Dynamic Range



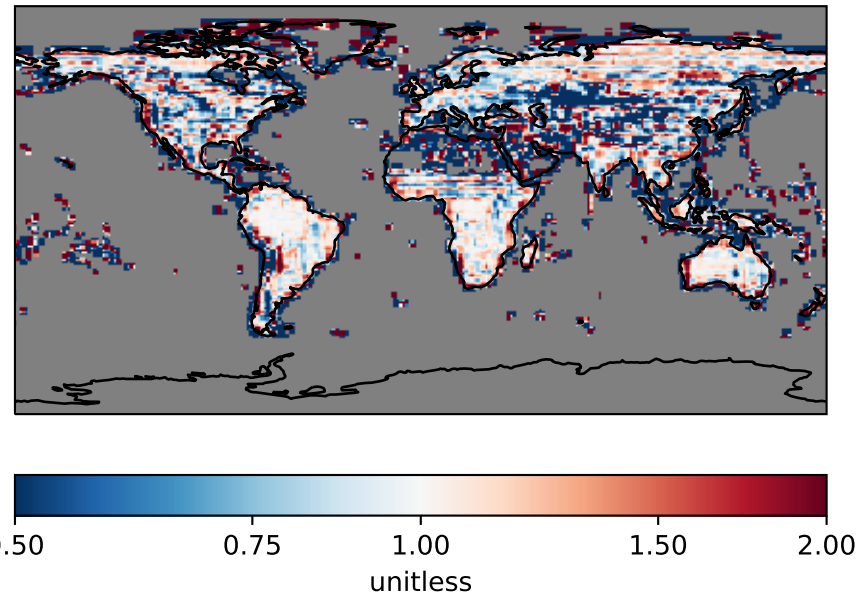
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

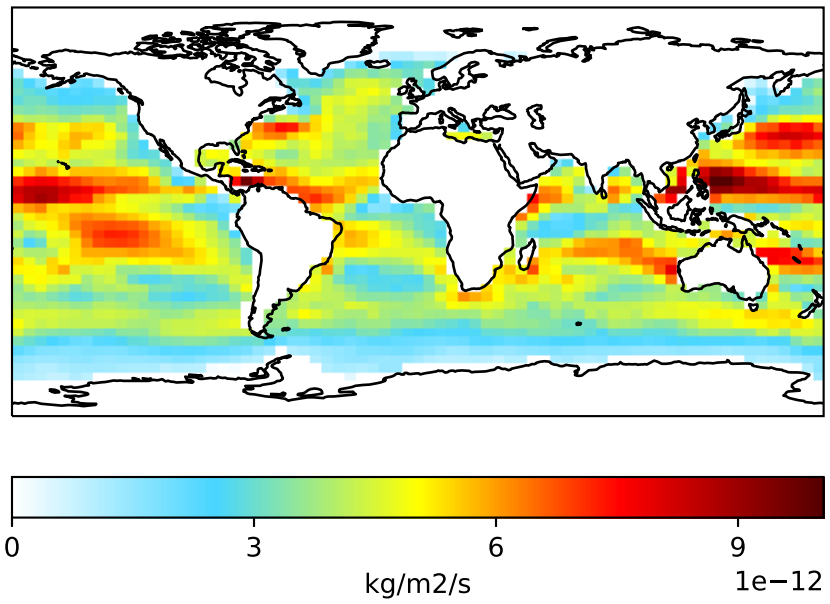


Ratio (1x1.25)
Dev/Ref, Fixed Range

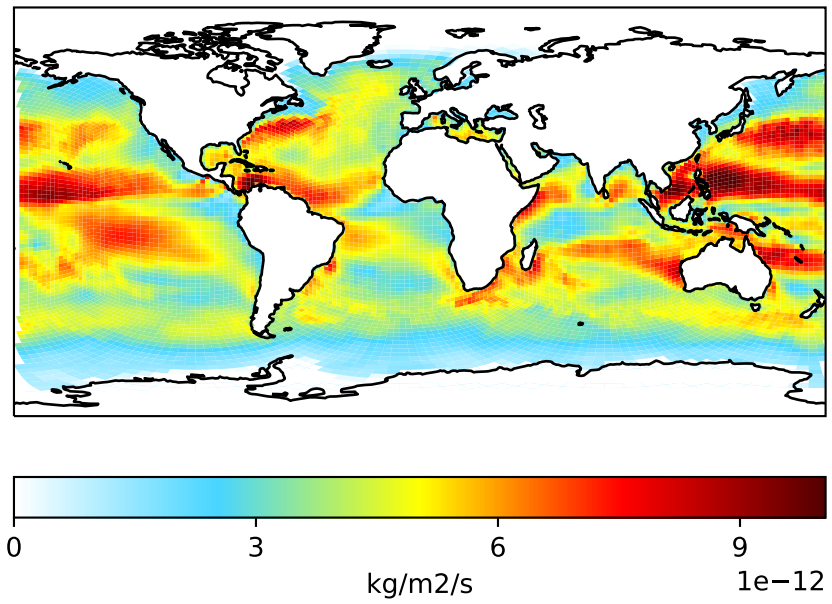


EmisACET_Ocean (Jan2019)

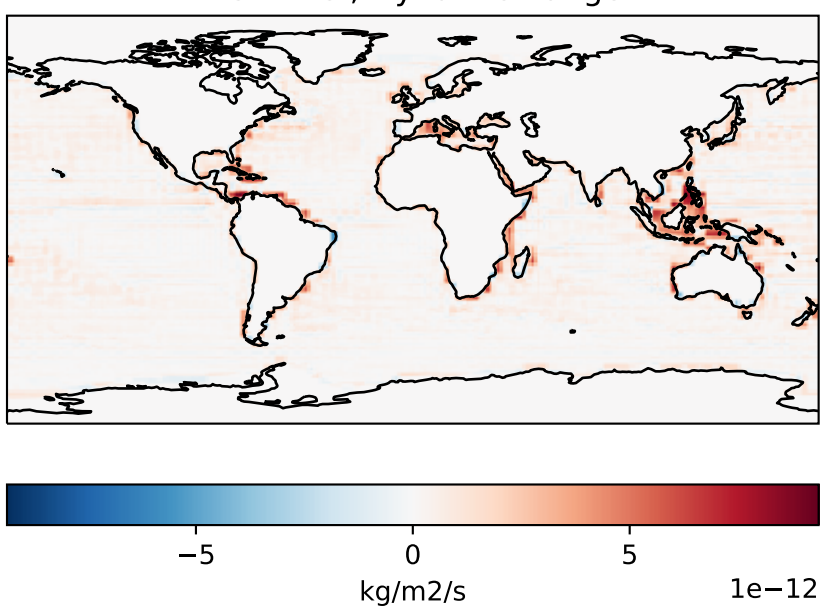
GCC_13.2.0 (Ref)
4.0x5.0



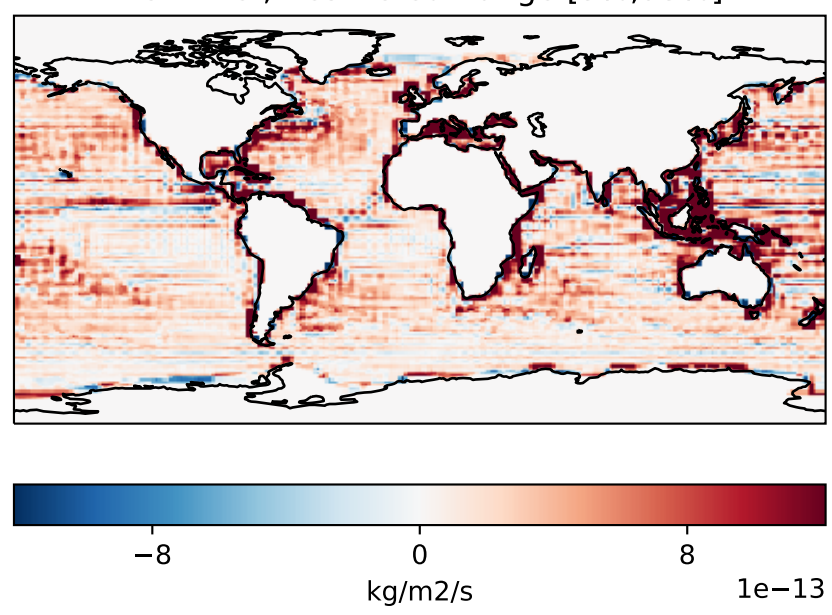
GCHP_13.2.0 (Dev)
c48



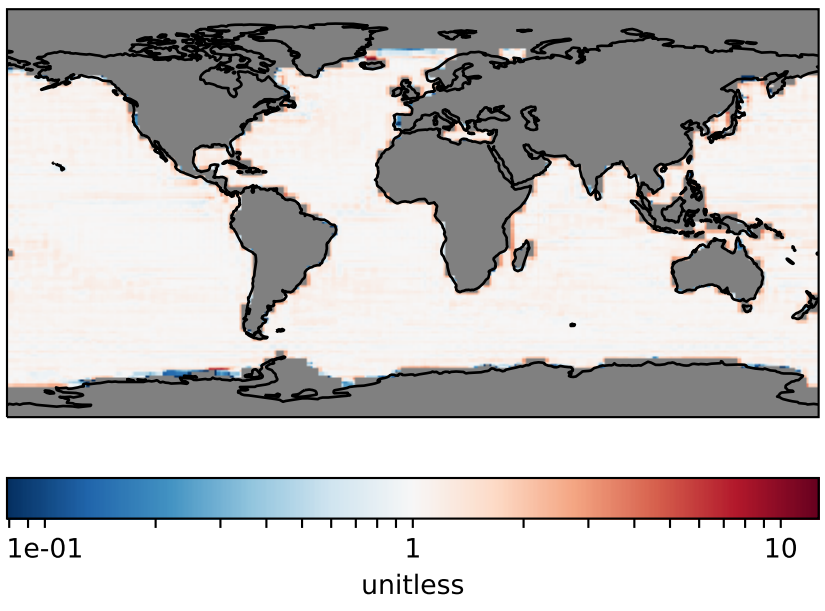
Difference (1x1.25)
Dev - Ref, Dynamic Range



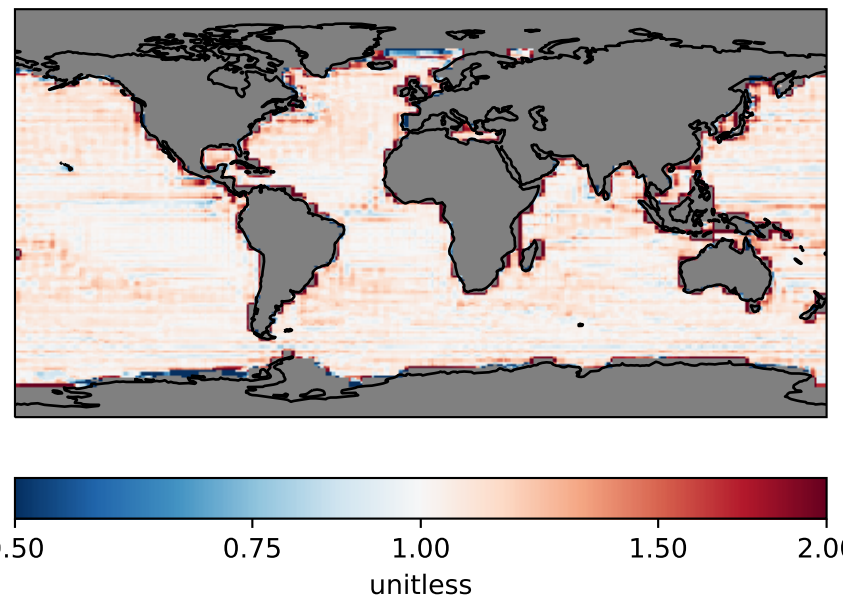
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

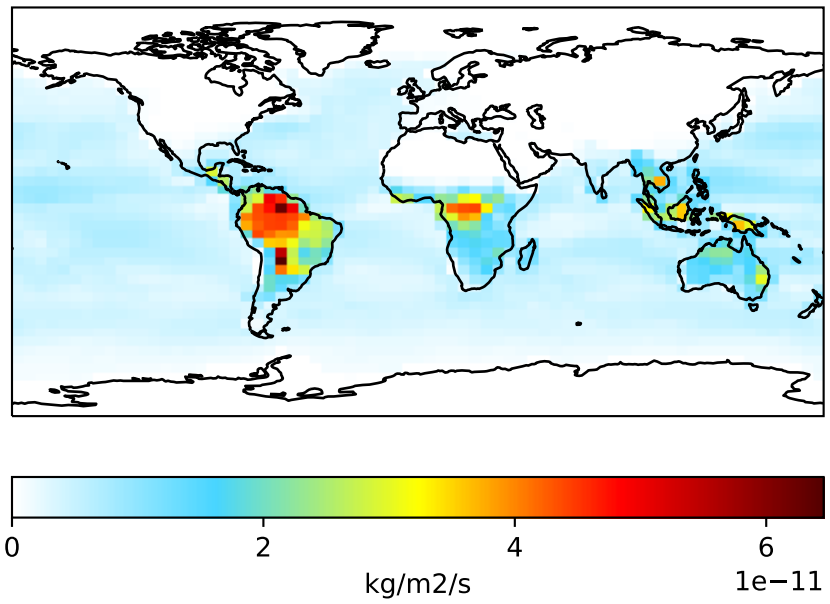


Ratio (1x1.25)
Dev/Ref, Fixed Range

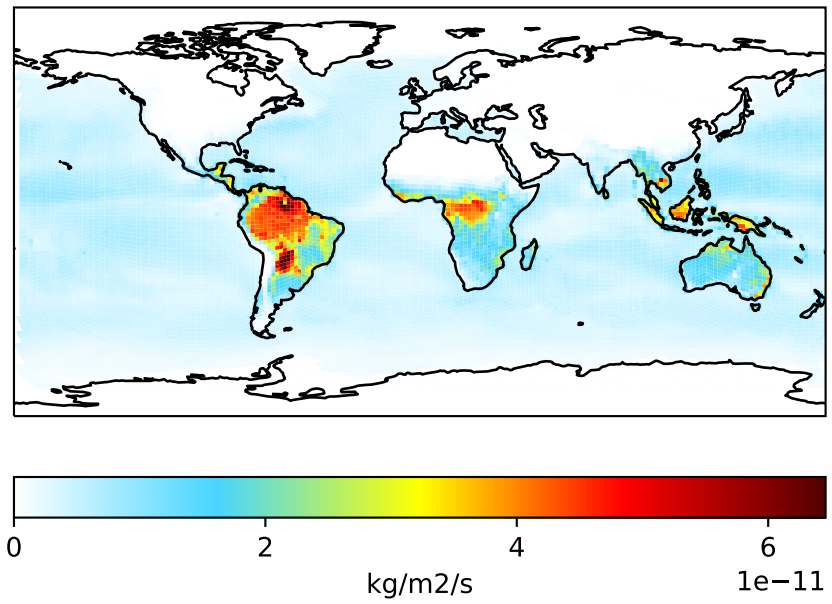


EmisACET_Total (Jan2019)

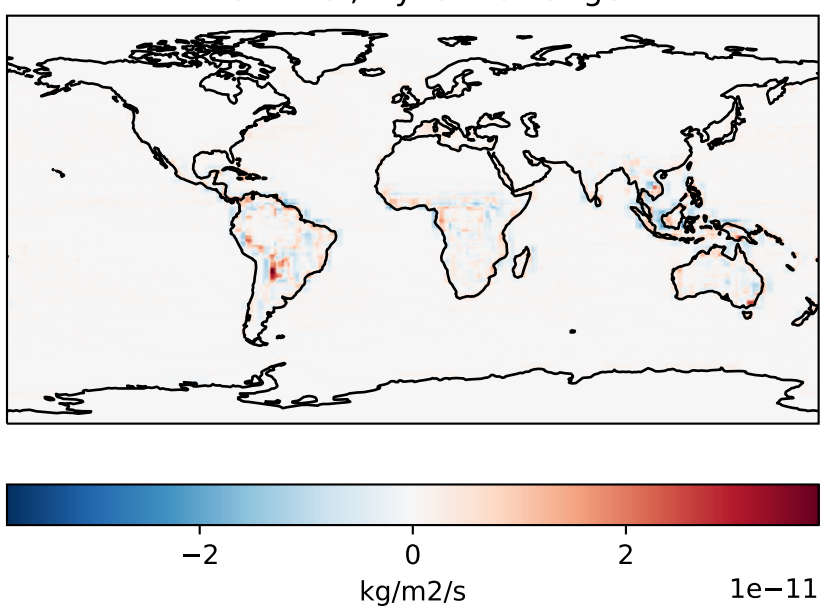
GCC_13.2.0 (Ref)
4.0x5.0



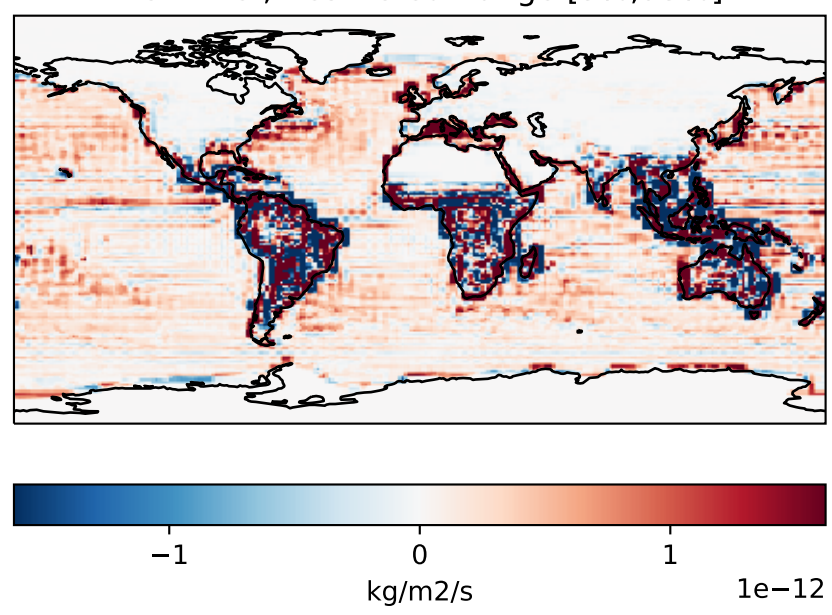
GCHP_13.2.0 (Dev)
c48



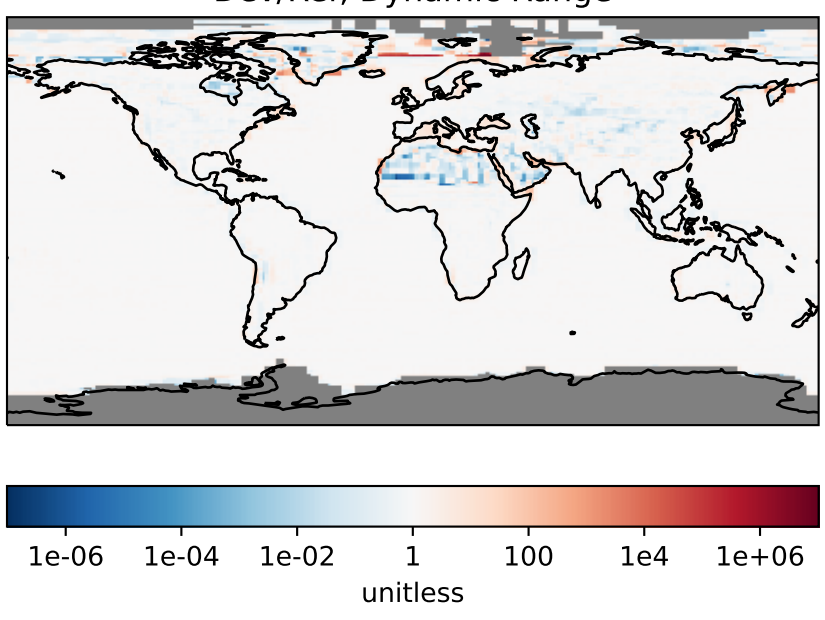
Difference (1x1.25)
Dev - Ref, Dynamic Range



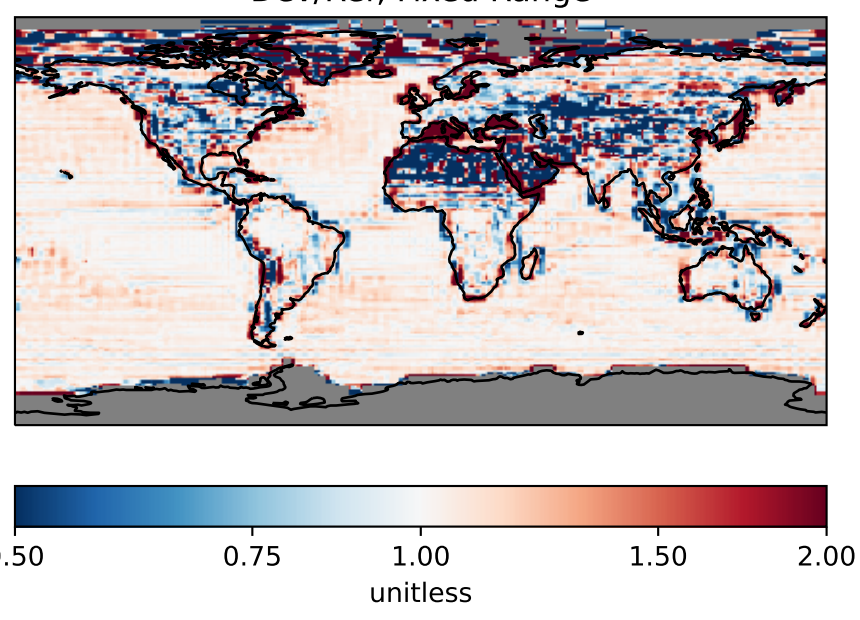
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

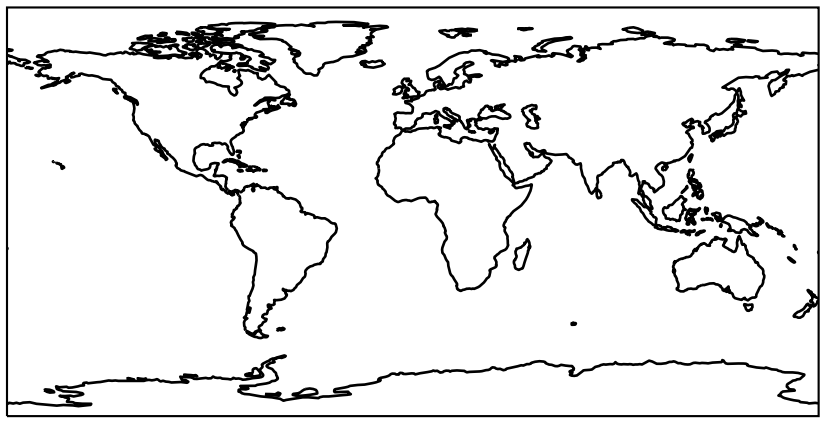


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisHAC_Anthro (Jan2019)

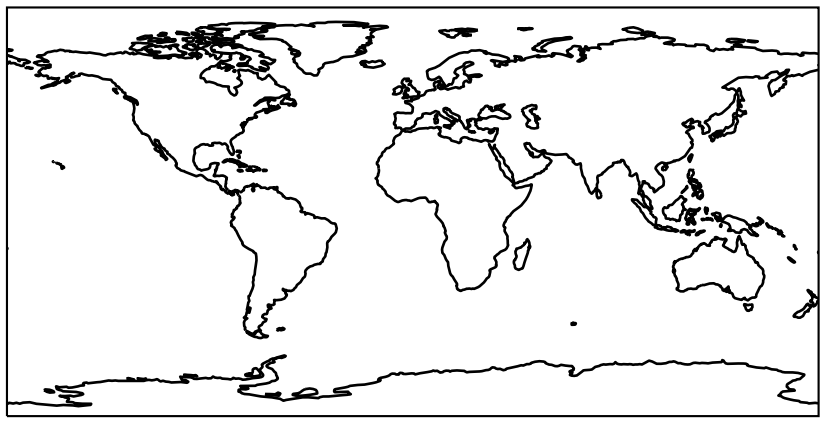
GCC_13.2.0 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

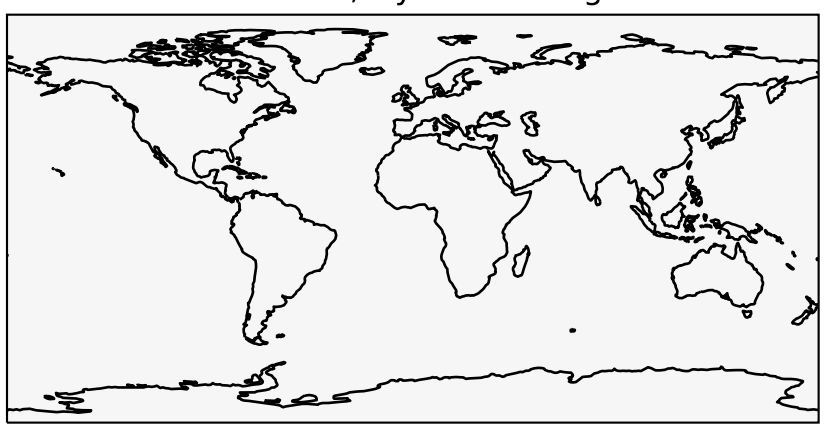
GCHP_13.2.0 (Dev)
c48





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kg/m2/s

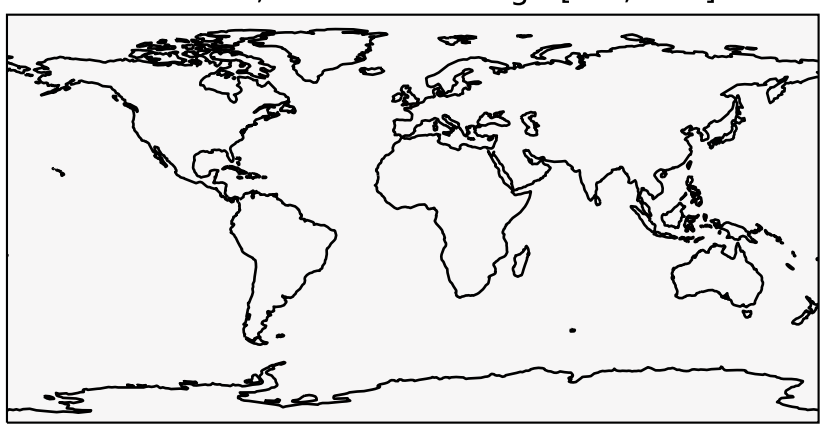
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

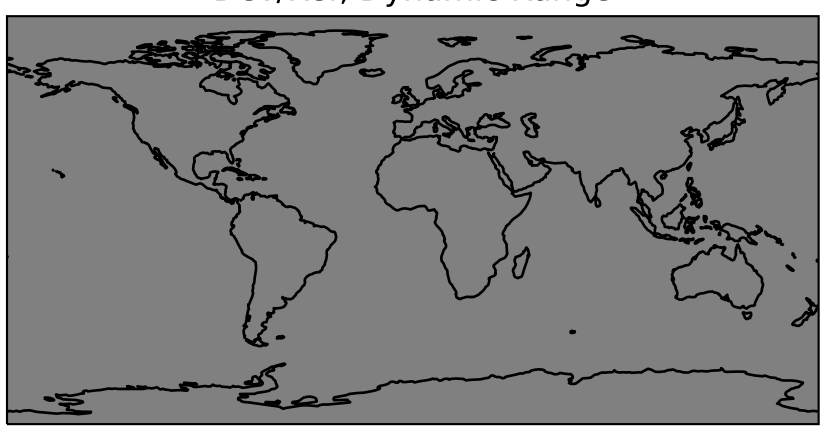
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

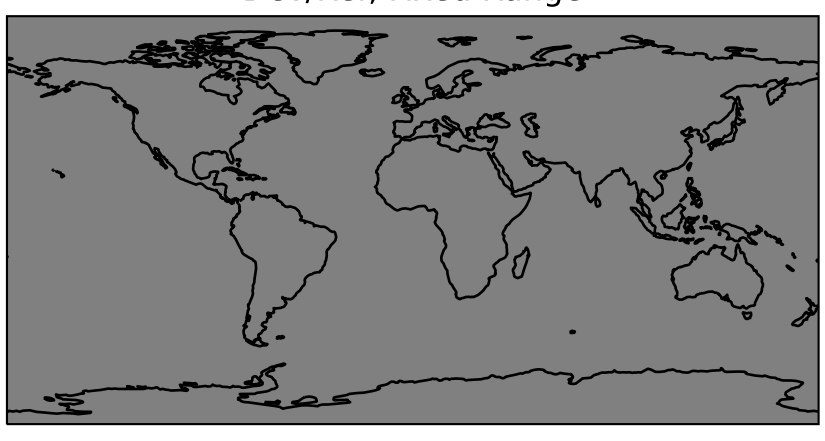
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

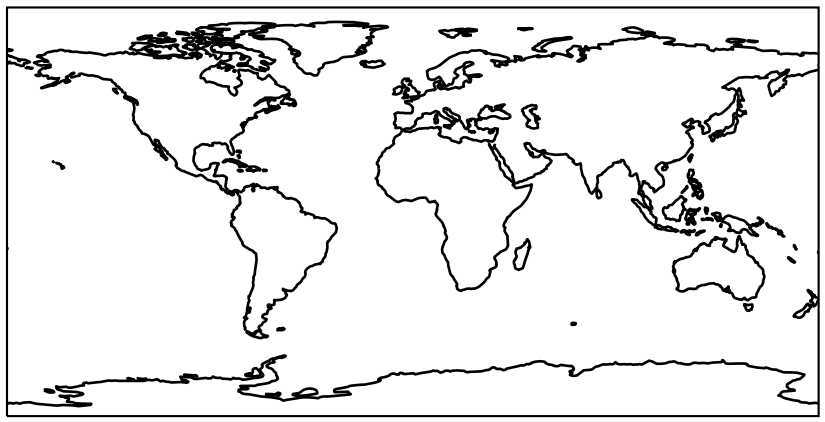




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unitless

EmisHAC_Total (Jan2019)

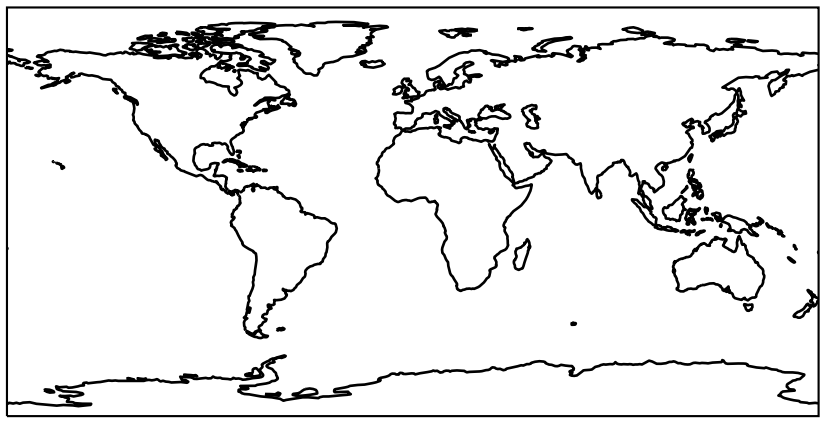
GCC_13.2.0 (Ref)
4.0x5.0





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kg/m2/s

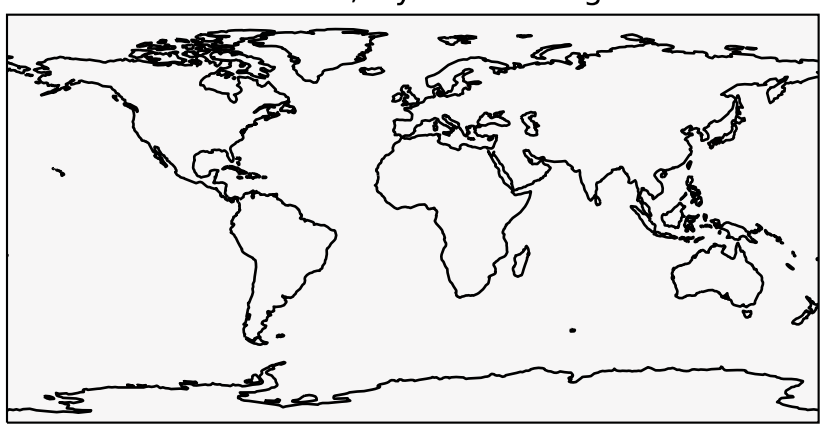
GCHP_13.2.0 (Dev)
c48





Zero throughout domain
kg/m2/s

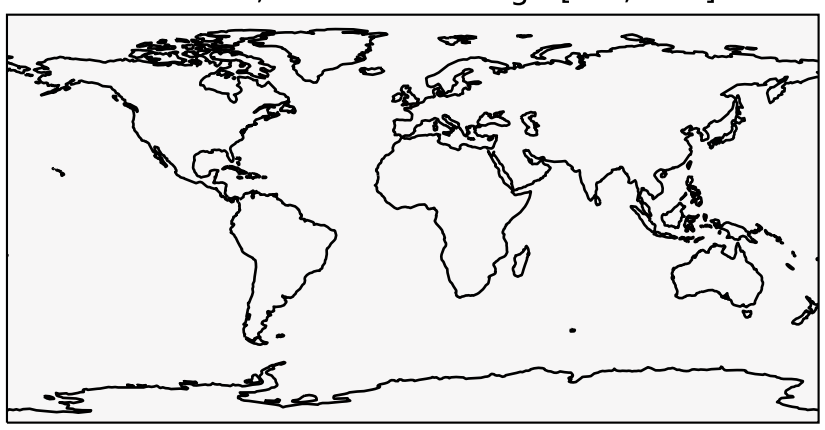
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

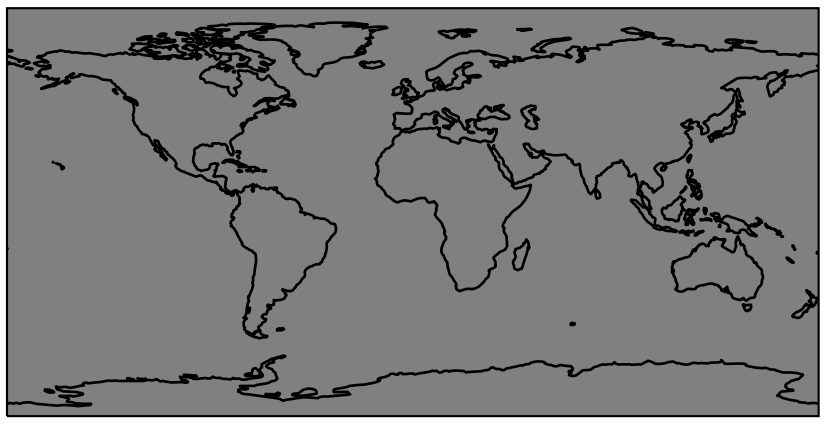
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

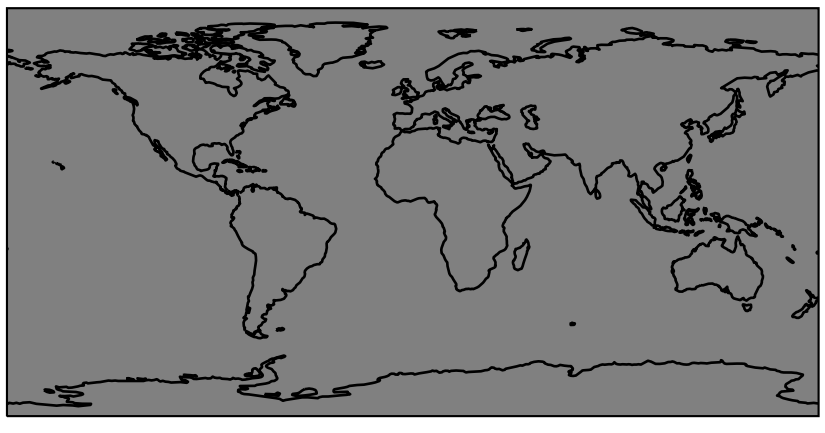
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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unitless

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

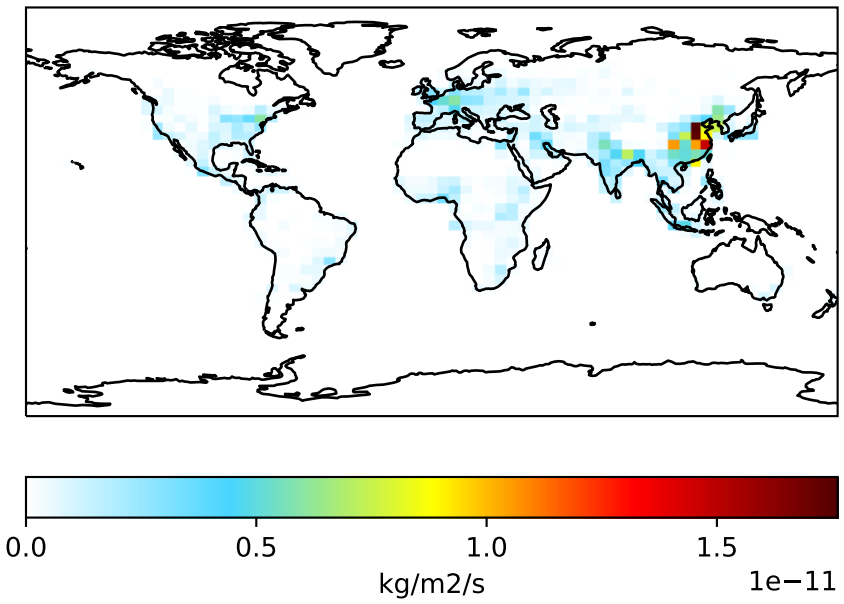




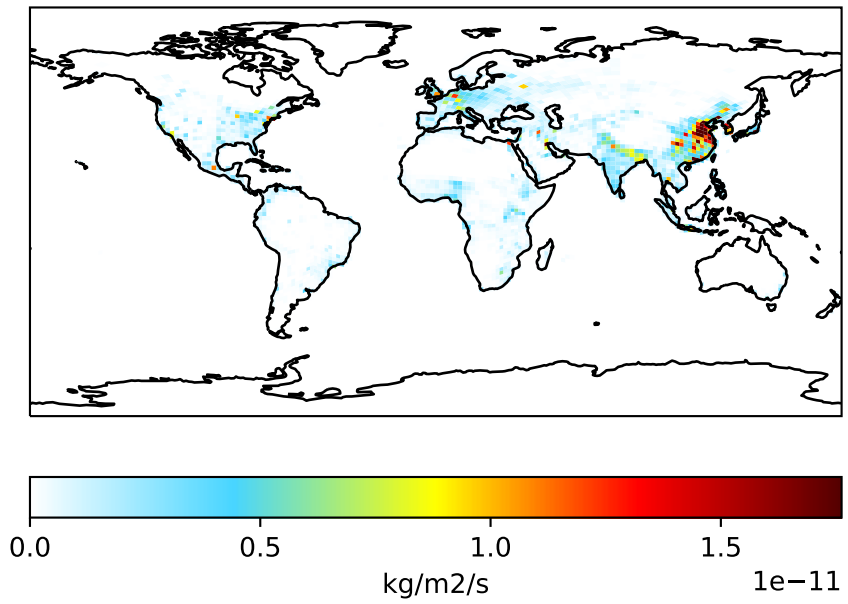
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EmisMEK_Anthro (Jan2019)

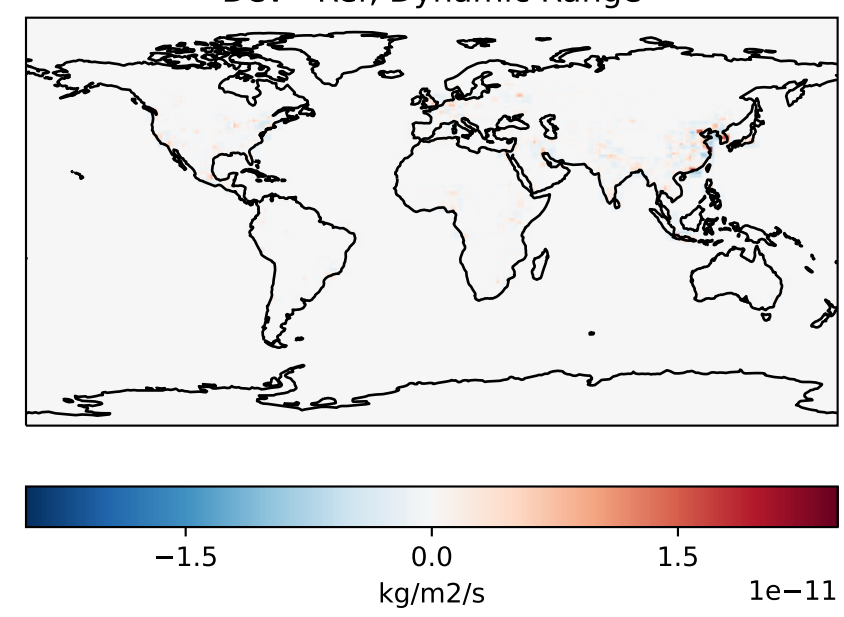
GCC_13.2.0 (Ref)
4.0x5.0



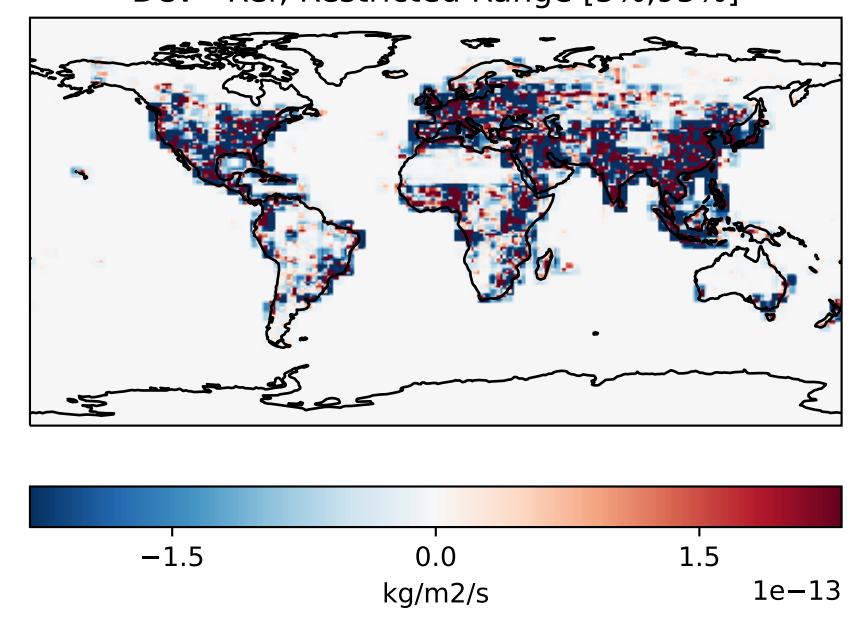
GCHP_13.2.0 (Dev)
c48



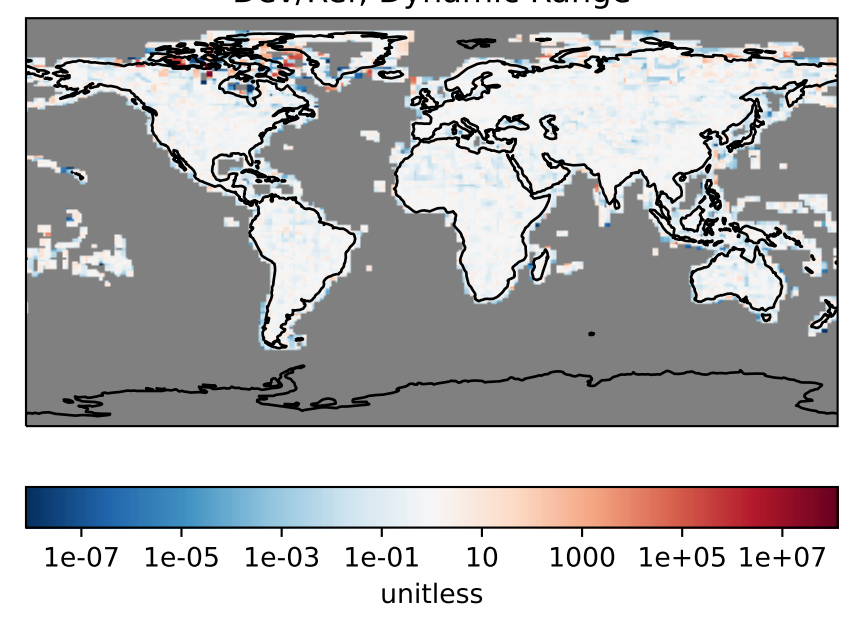
Difference (1x1.25)
Dev - Ref, Dynamic Range



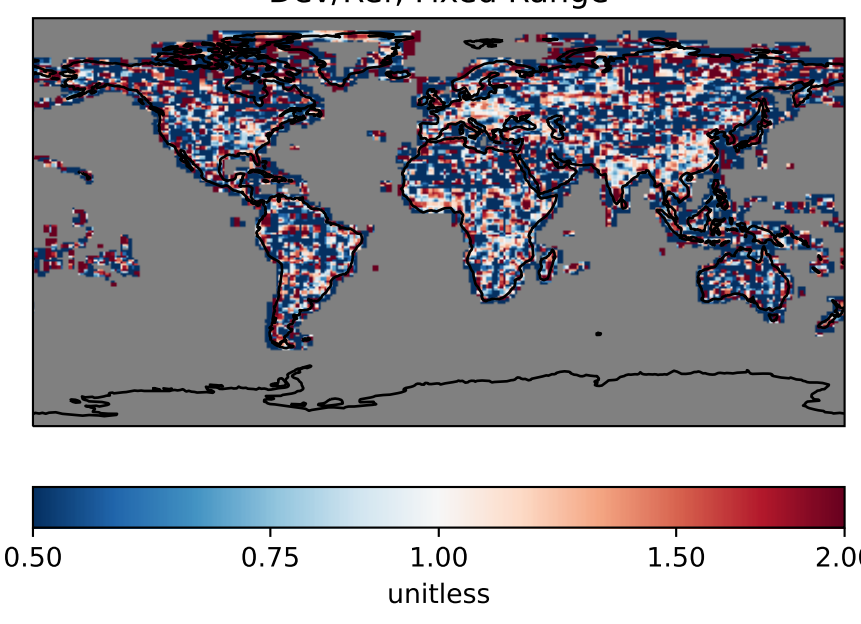
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

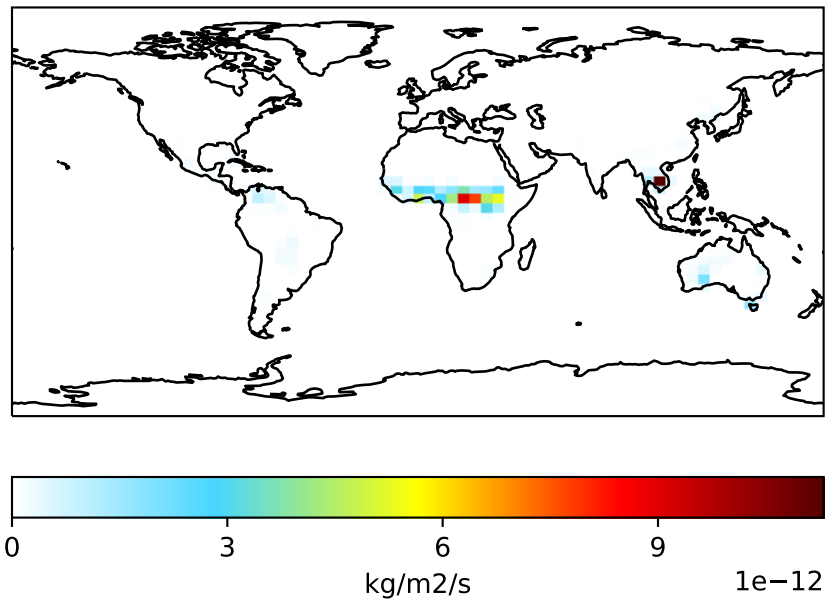


Ratio (1x1.25)
Dev/Ref, Fixed Range

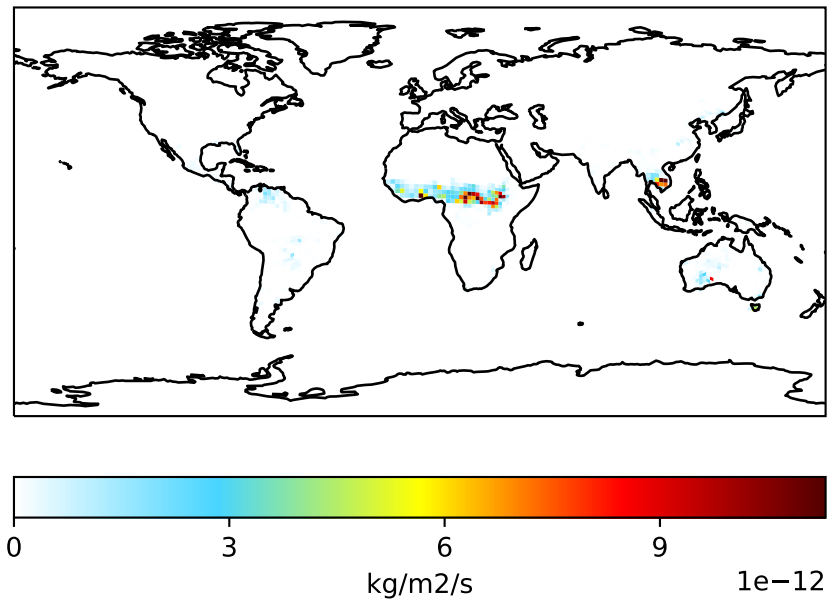


EmisMEK_BioBurn (Jan2019)

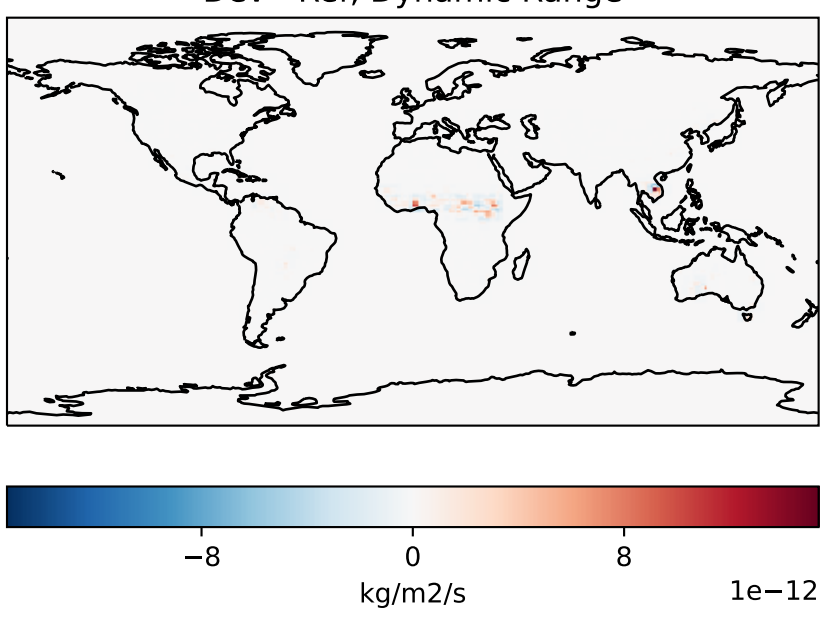
GCC_13.2.0 (Ref)
4.0x5.0



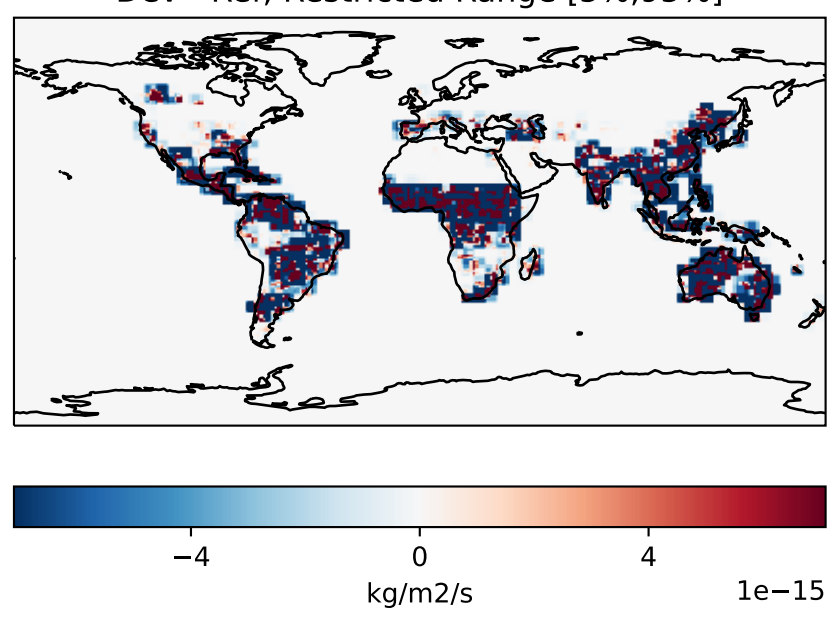
GCHP_13.2.0 (Dev)
c48



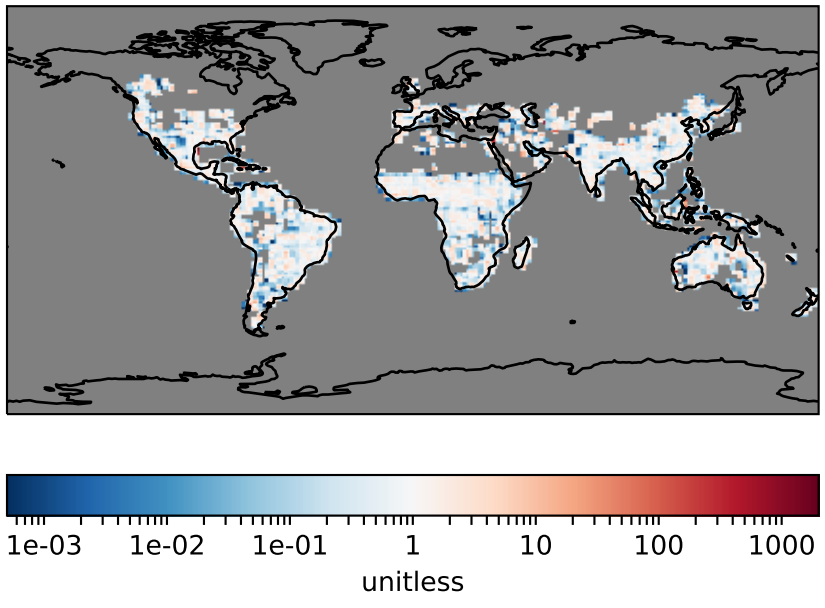
Difference (1x1.25)
Dev - Ref, Dynamic Range



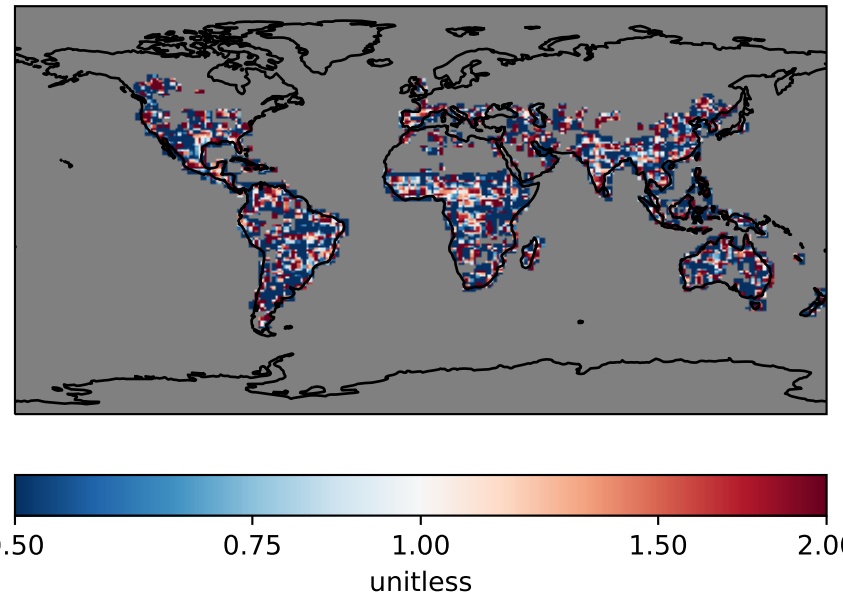
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

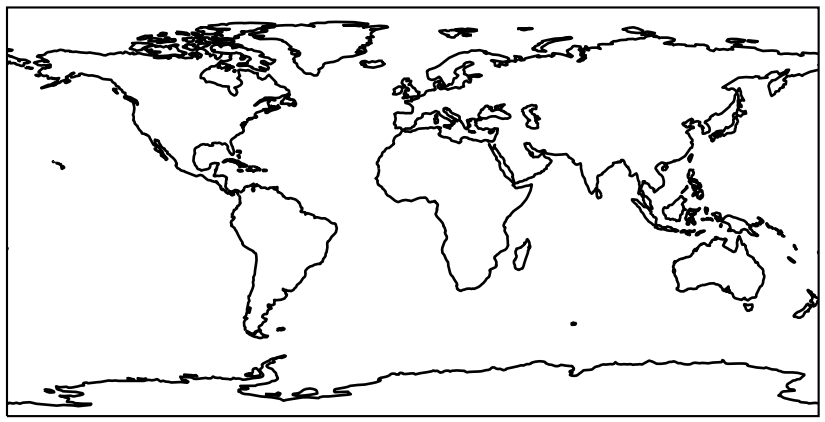


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisMEK_Ship (Jan2019)

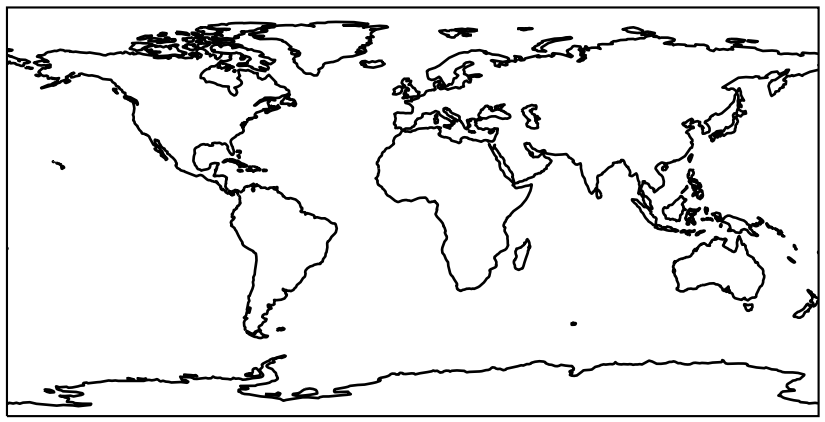
GCC_13.2.0 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

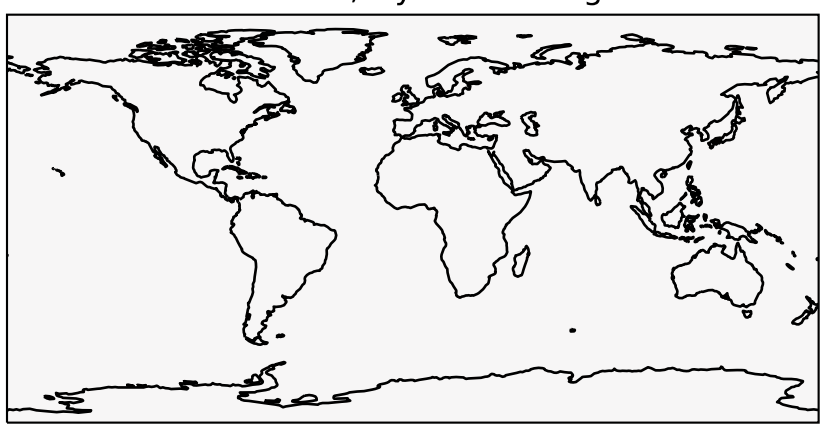
GCHP_13.2.0 (Dev)
c48





Zero throughout domain
kg/m2/s

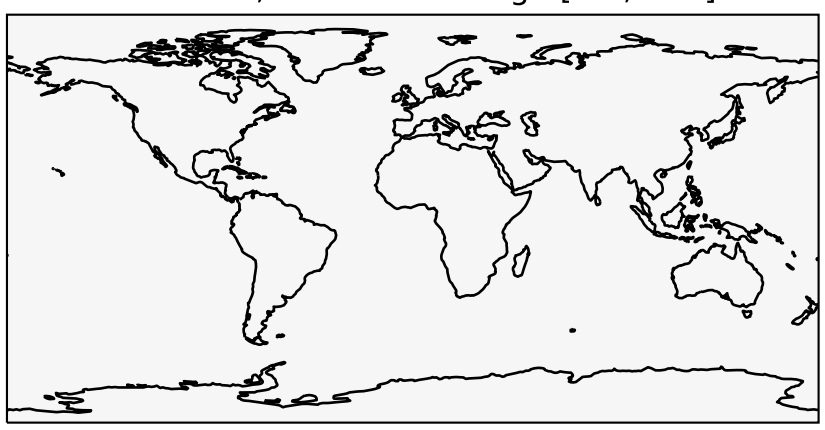
Difference (1x1.25)
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

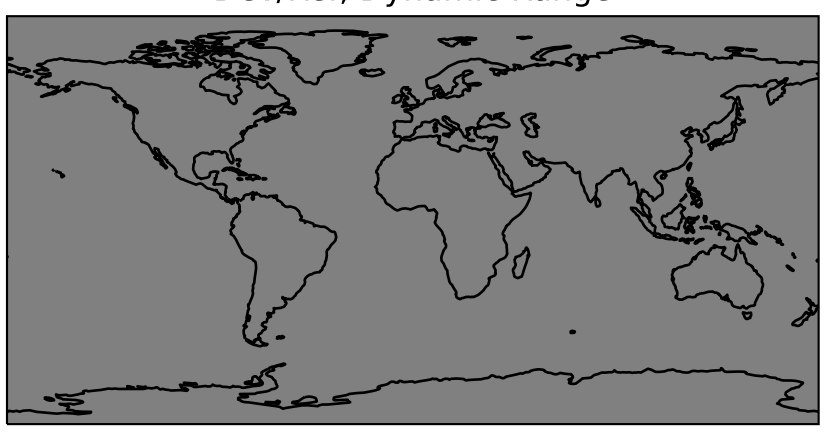
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

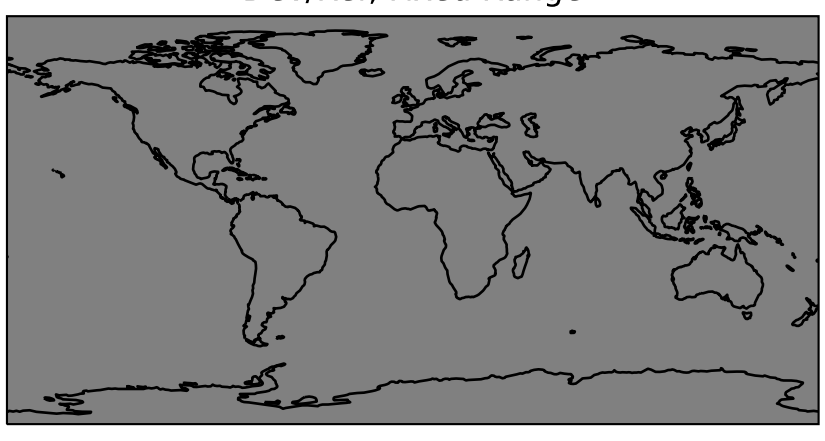
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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unitless

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

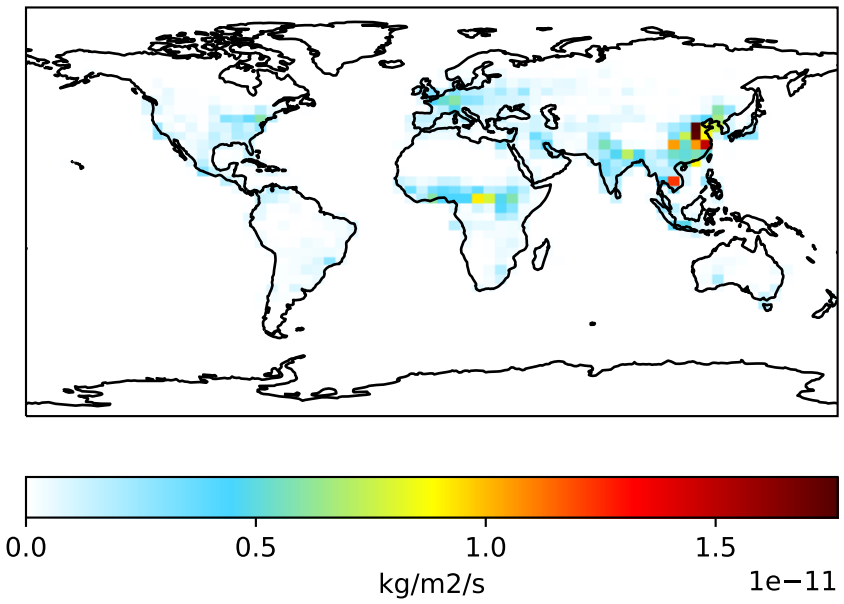




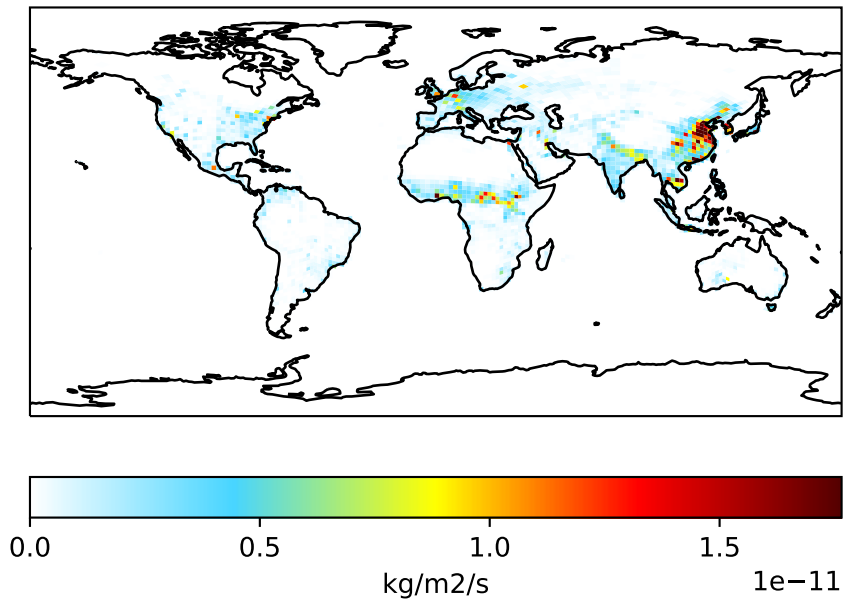
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EmisMEK_Total (Jan2019)

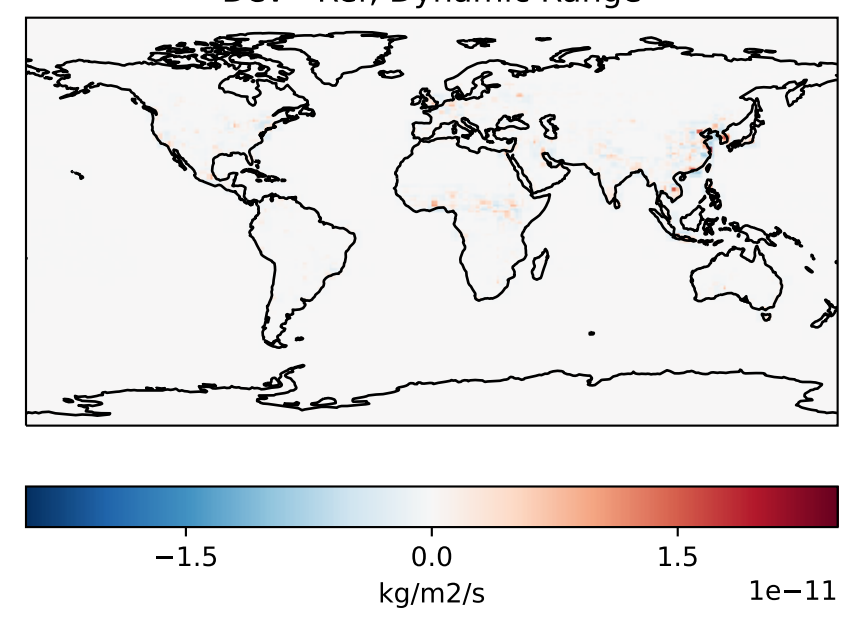
GCC_13.2.0 (Ref)
4.0x5.0



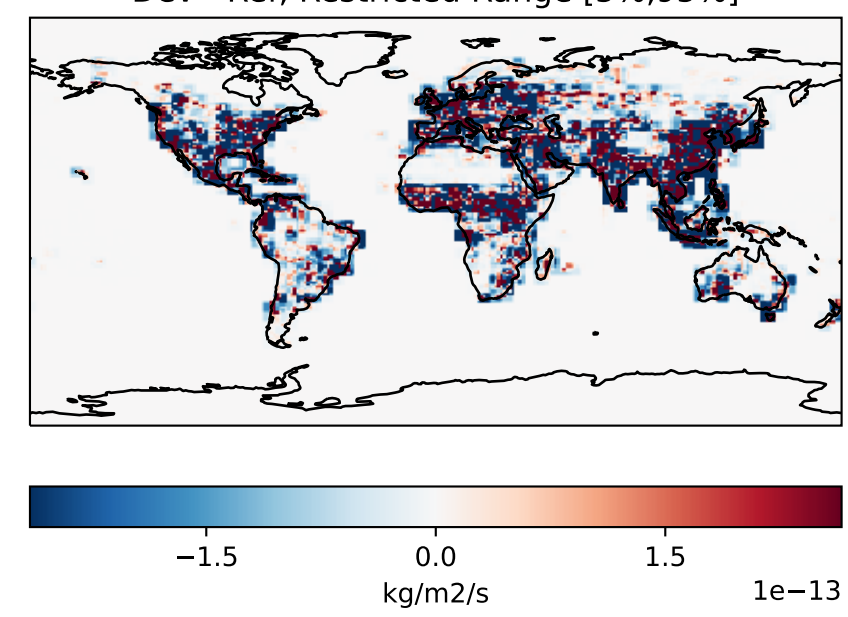
GCHP_13.2.0 (Dev)
c48



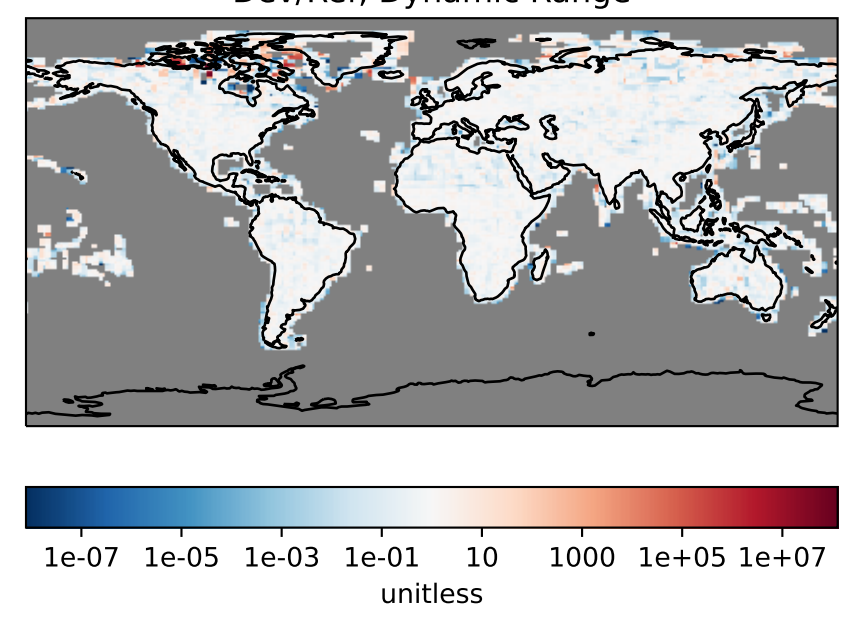
Difference (1x1.25)
Dev - Ref, Dynamic Range



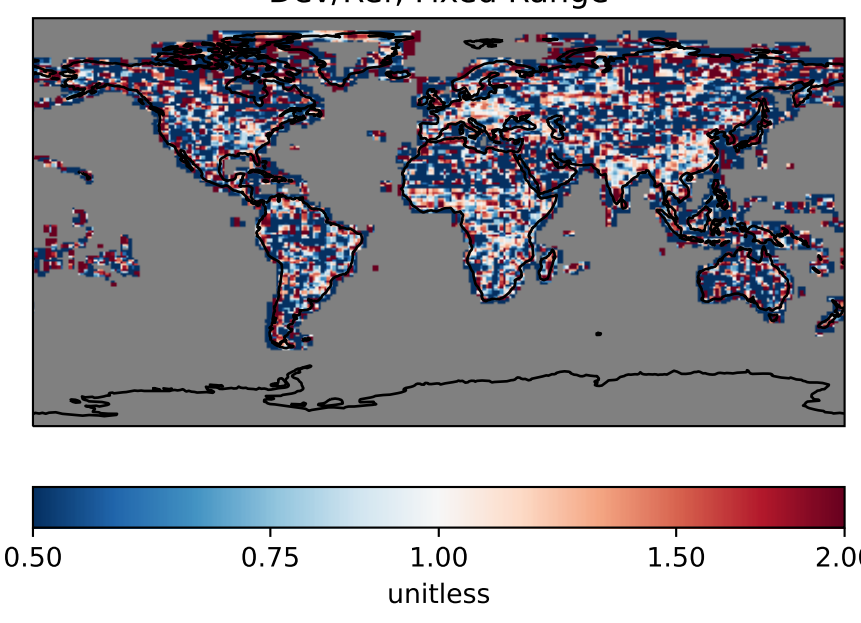
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

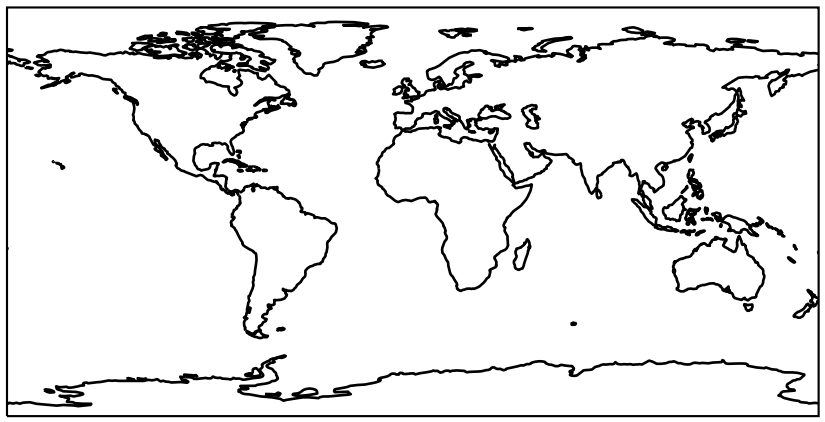


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisMVK_Anthro (Jan2019)

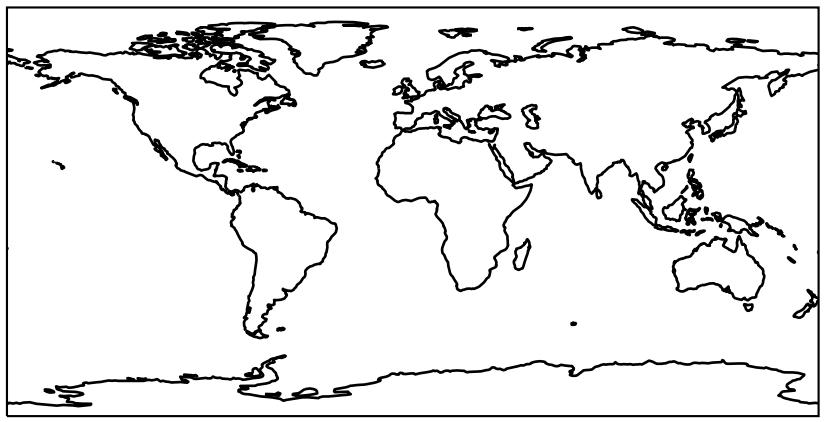
GCC_13.2.0 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

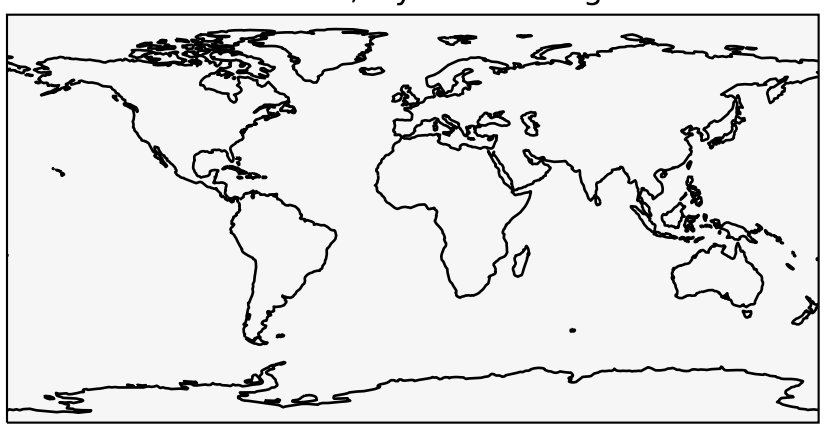
GCHP_13.2.0 (Dev)
c48





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kg/m2/s

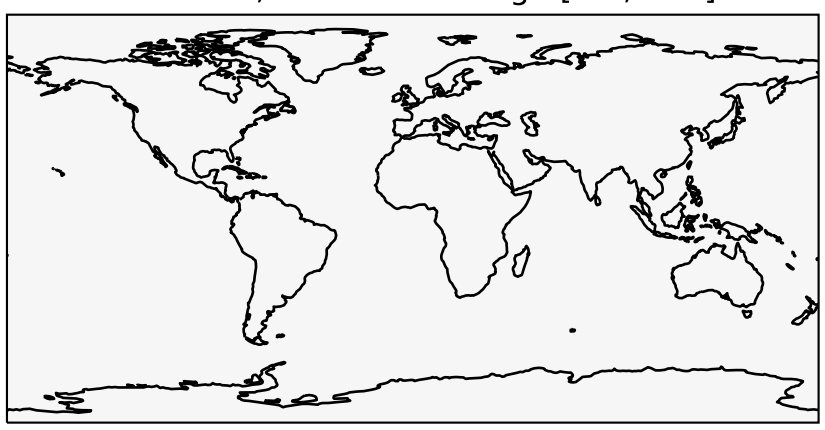
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

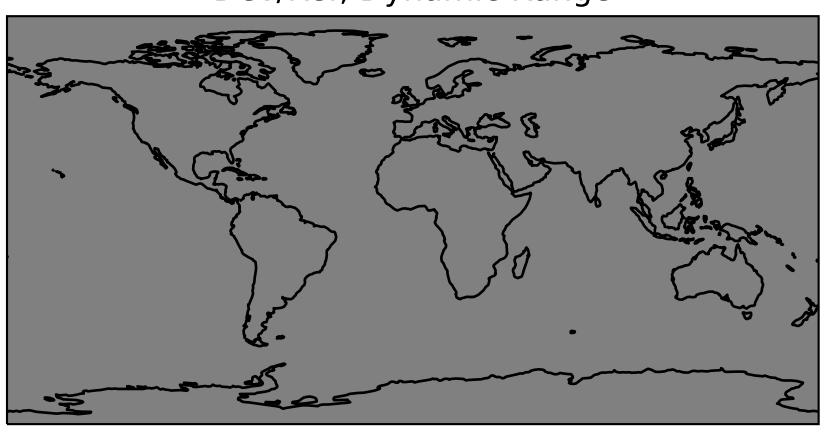
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

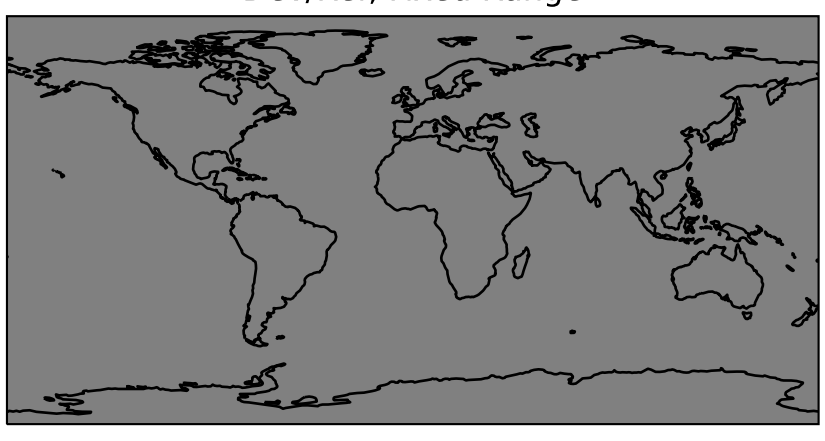
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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unitless

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

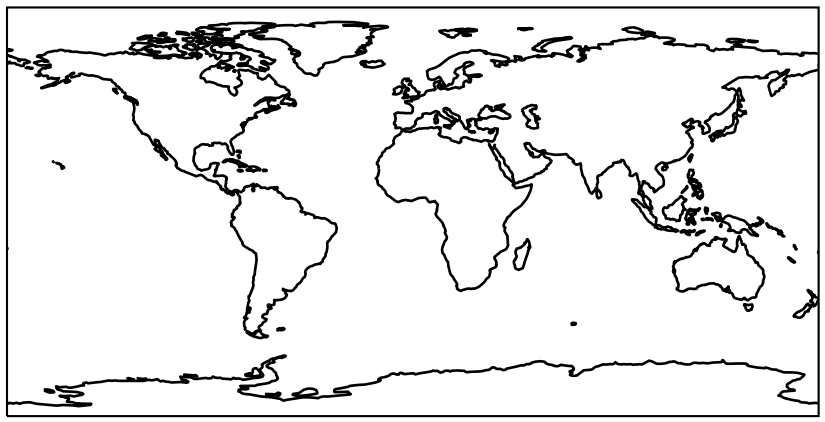




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EmisGLYC_Anthro (Jan2019)

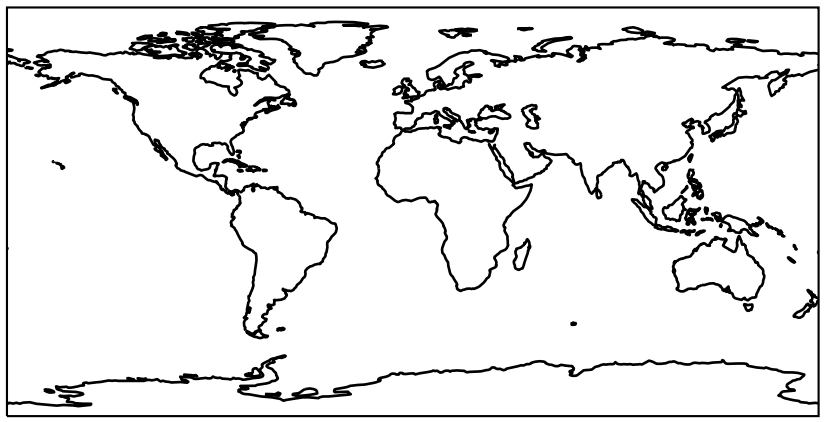
GCC_13.2.0 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

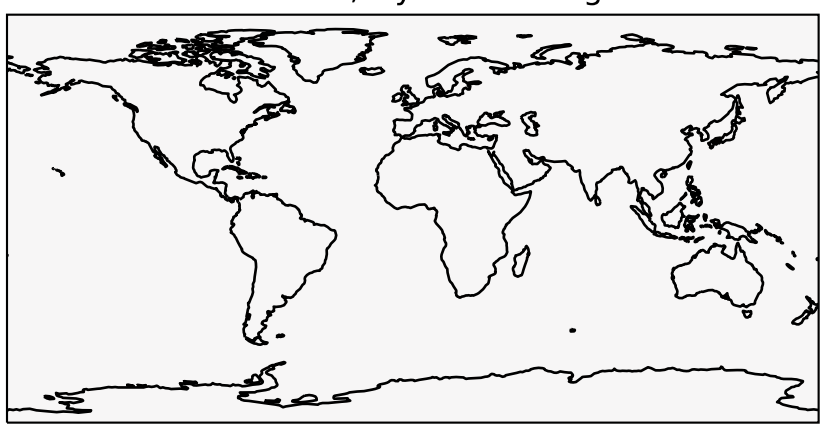
GCHP_13.2.0 (Dev)
c48





Zero throughout domain
kg/m2/s

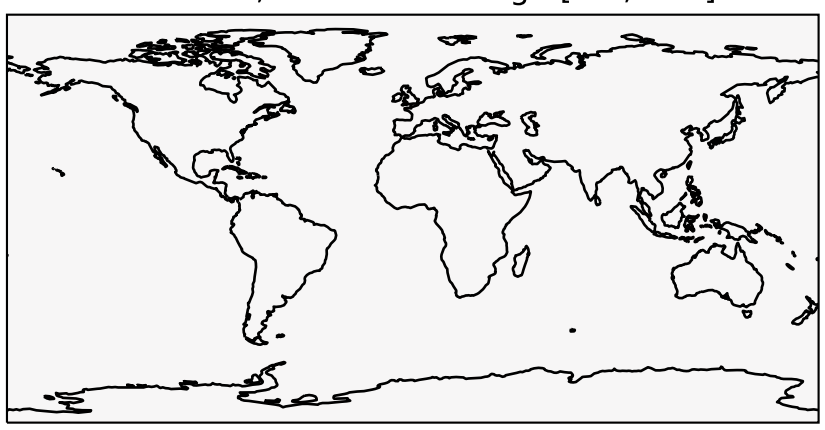
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

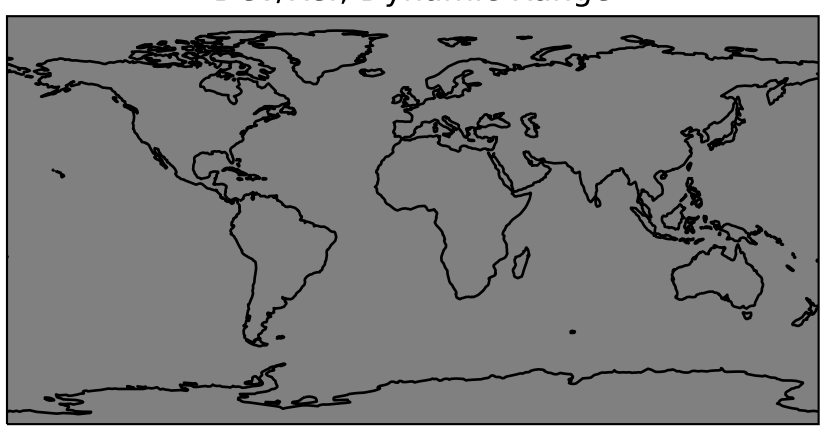
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

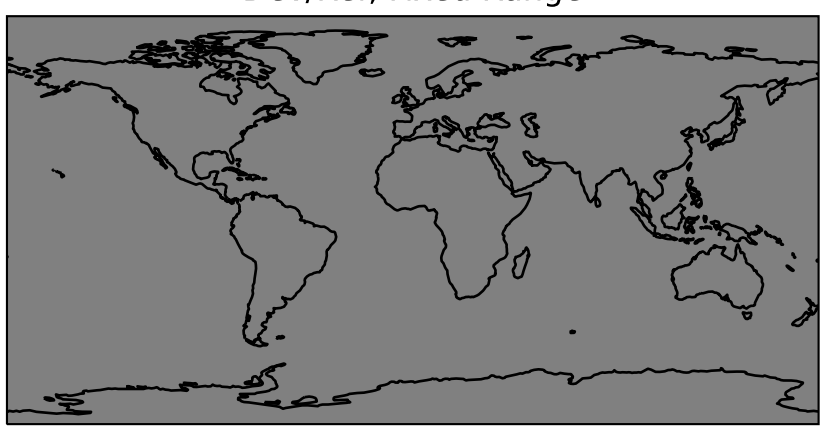
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

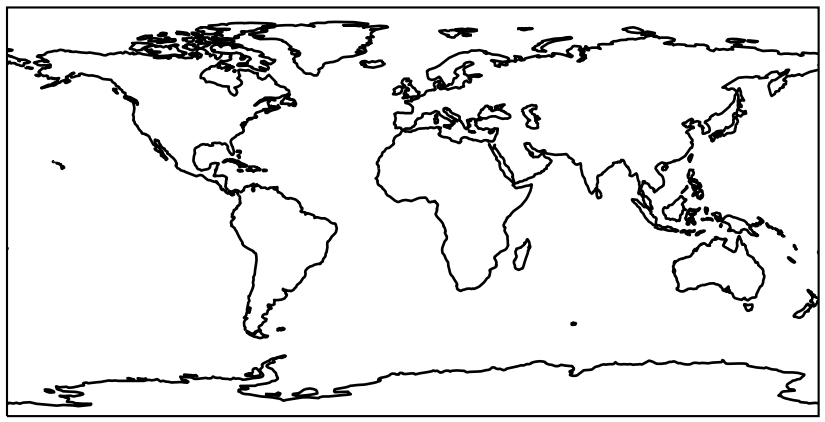




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EmisGLYC_Total (Jan2019)

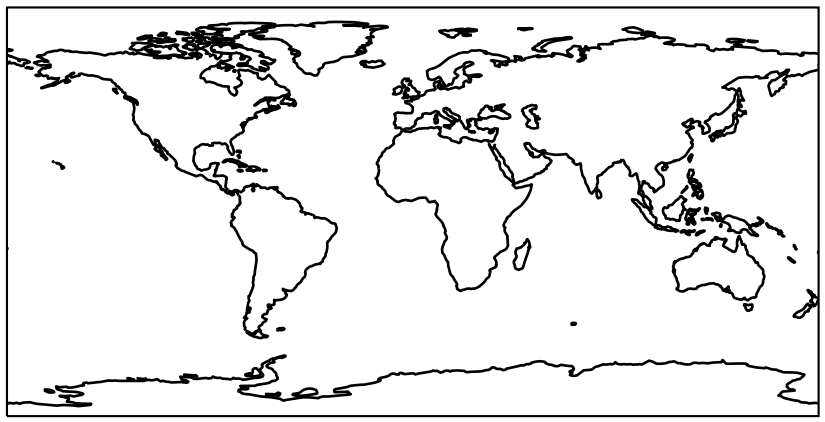
GCC_13.2.0 (Ref)
4.0x5.0





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kg/m2/s

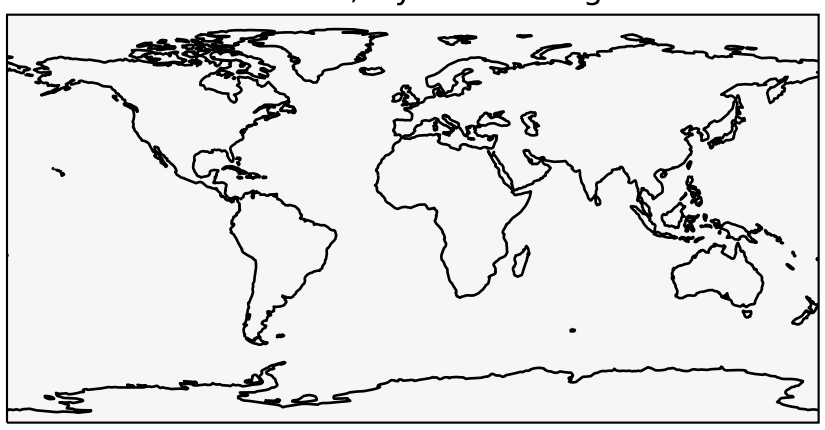
GCHP_13.2.0 (Dev)
c48





Zero throughout domain
kg/m2/s

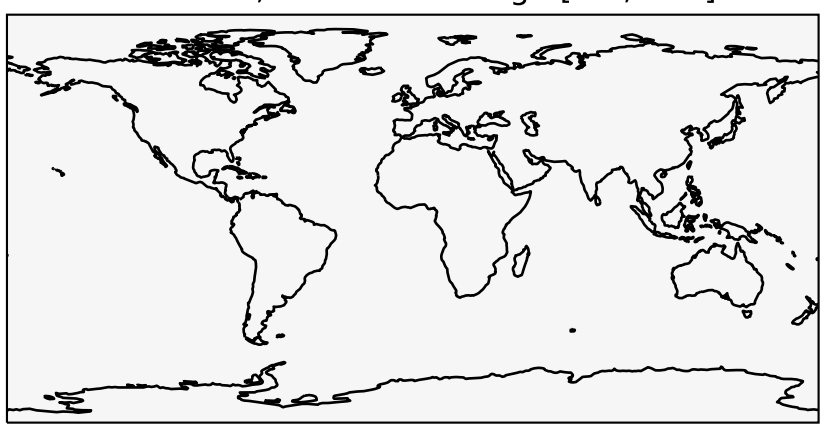
Difference (1x1.25)
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

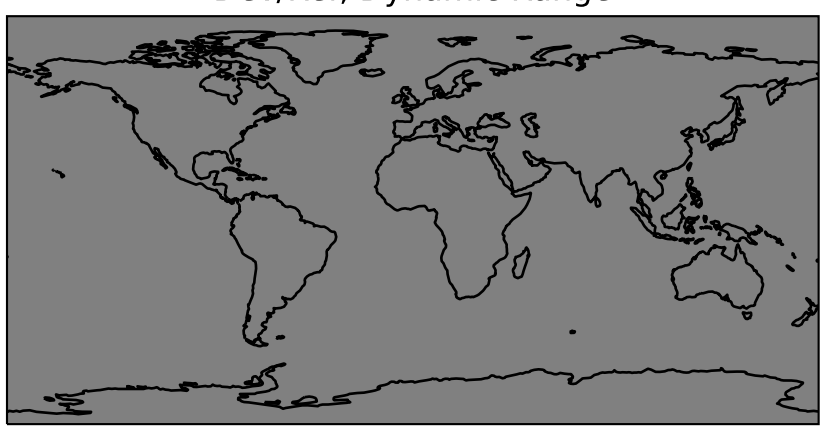
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

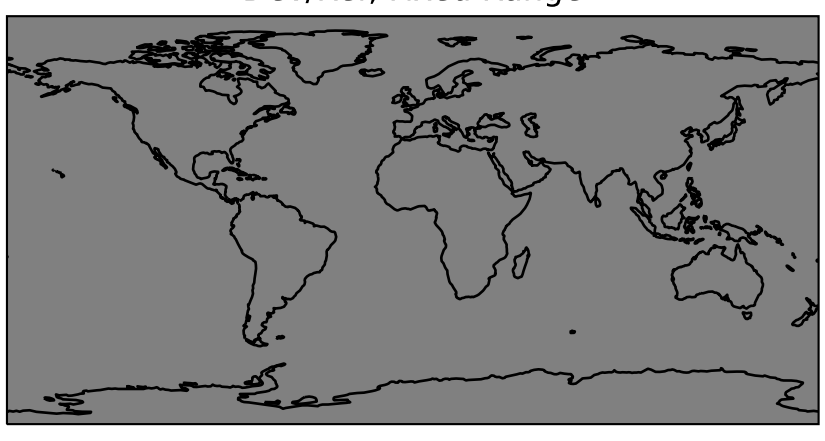
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

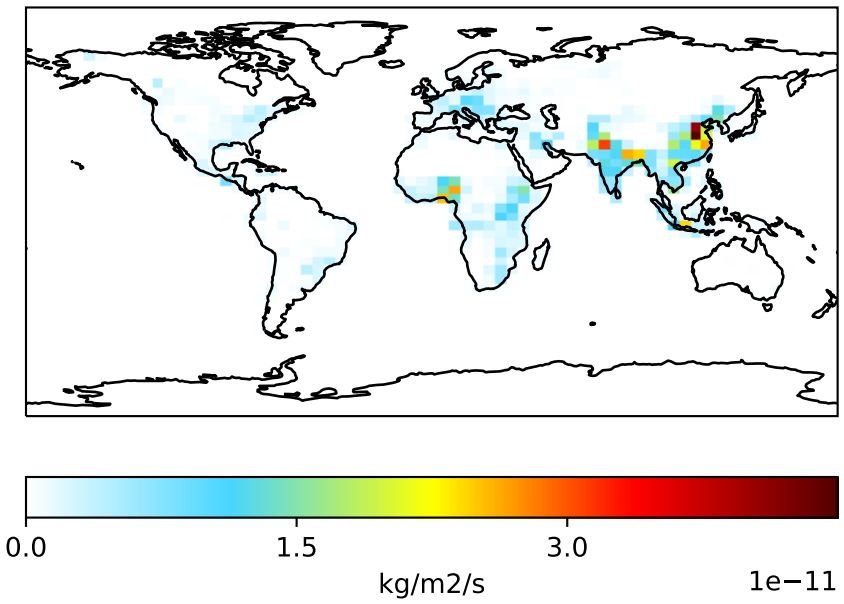




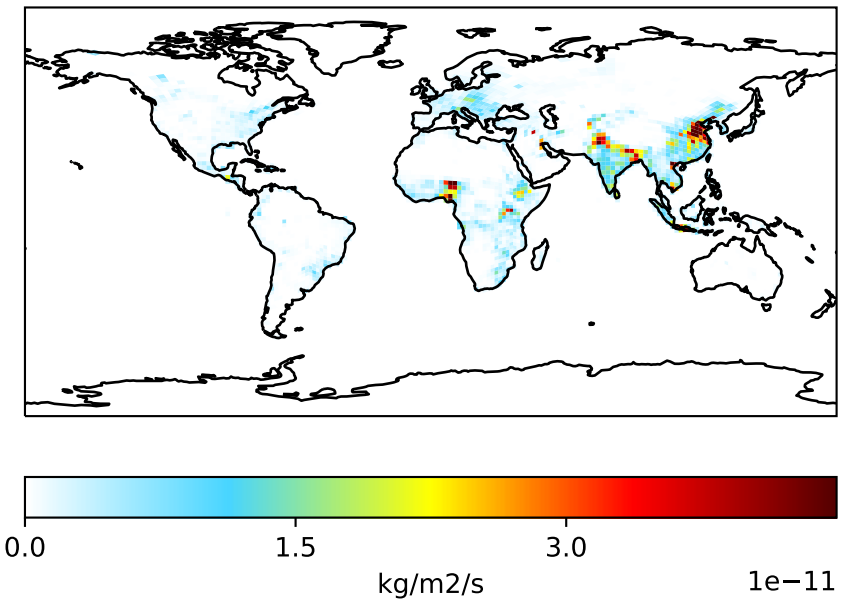
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EmisHCOOH_Anthro (Jan2019)

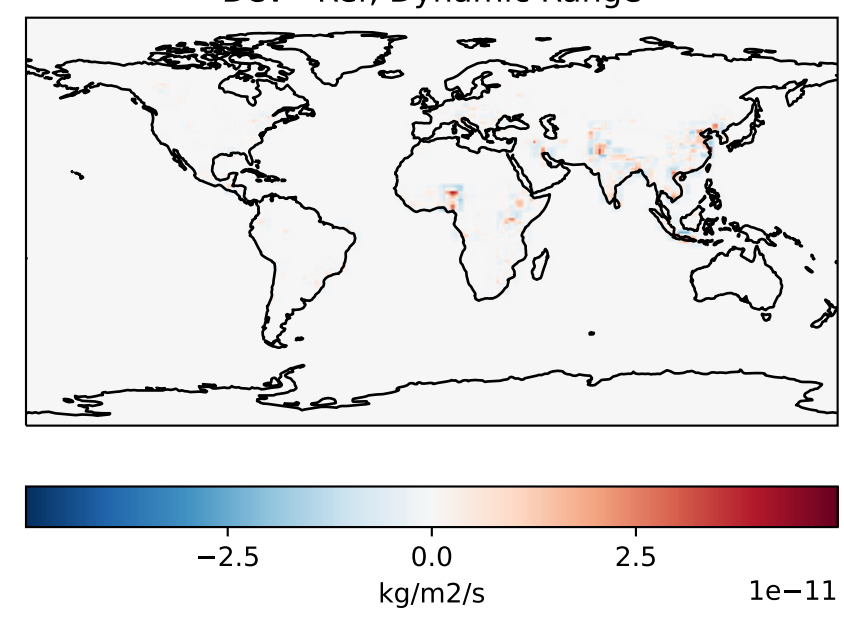
GCC_13.2.0 (Ref)
4.0x5.0



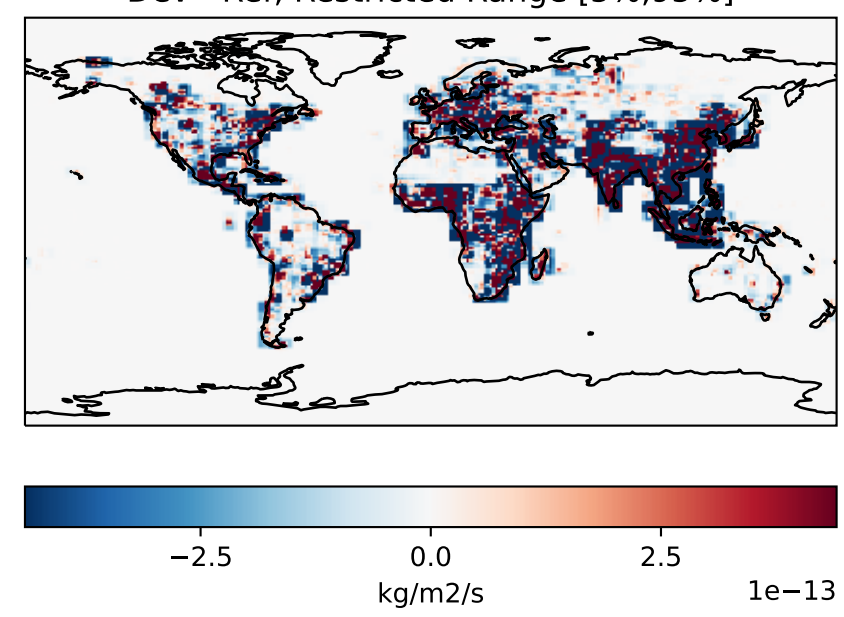
GCHP_13.2.0 (Dev)
c48



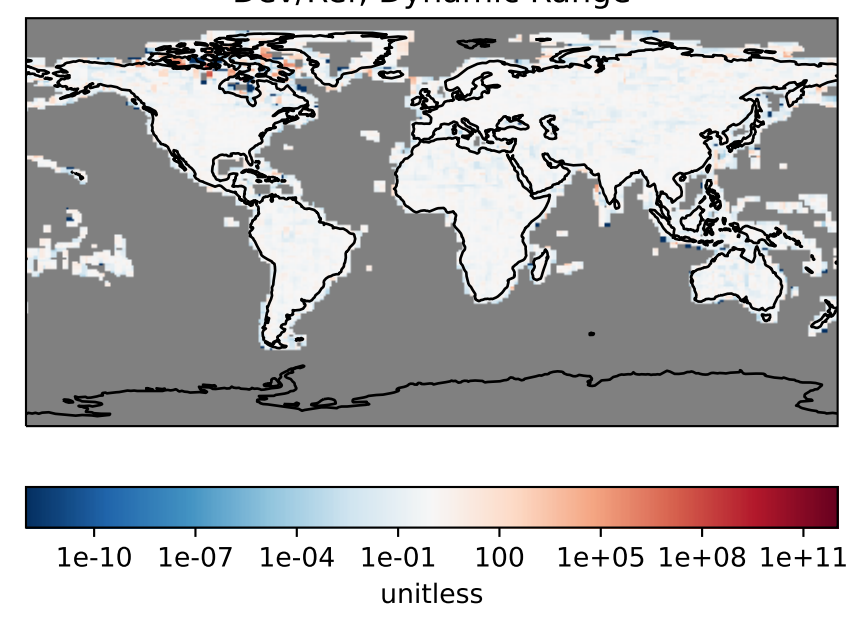
Difference (1x1.25)
Dev - Ref, Dynamic Range



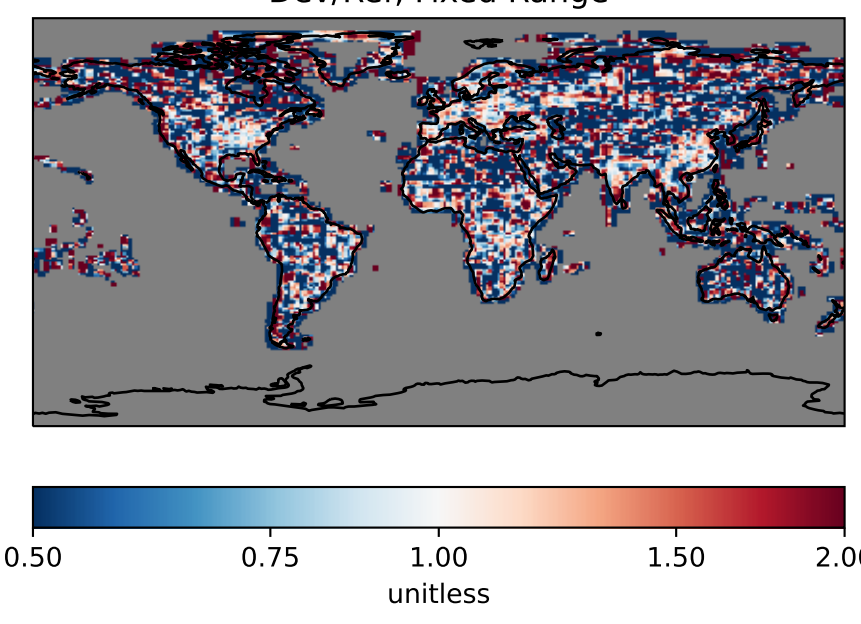
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

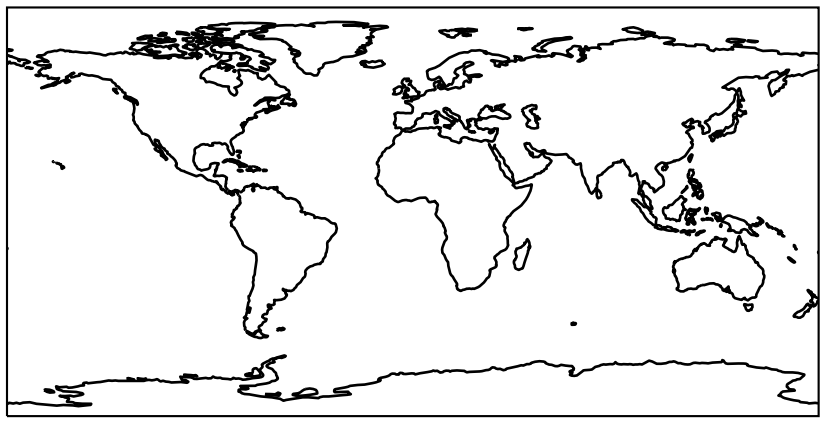


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisHCOOH_Ship (Jan2019)

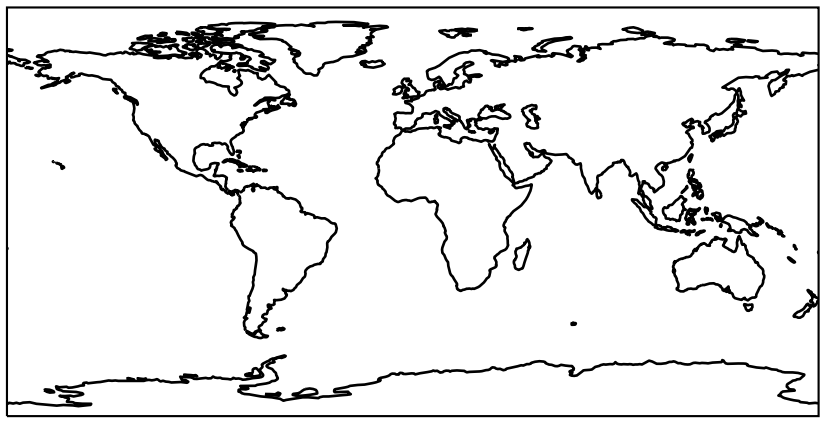
GCC_13.2.0 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

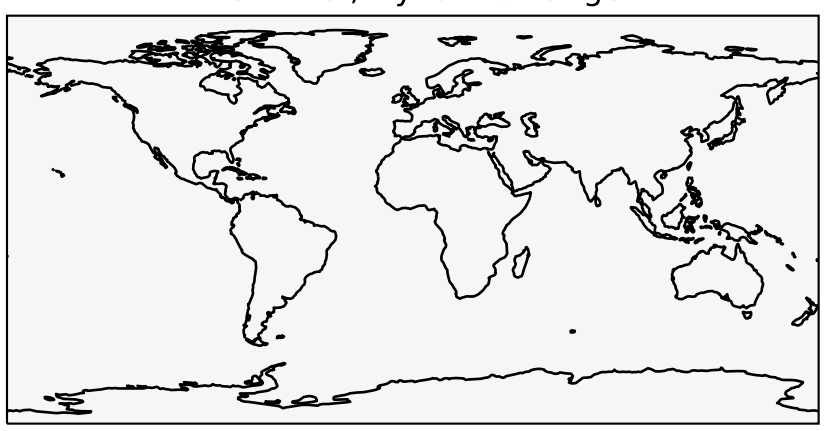
GCHP_13.2.0 (Dev)
c48





Zero throughout domain
kg/m2/s

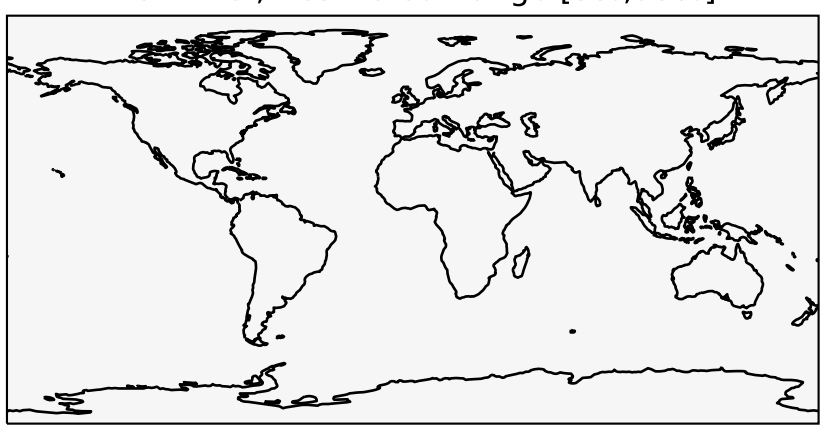
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

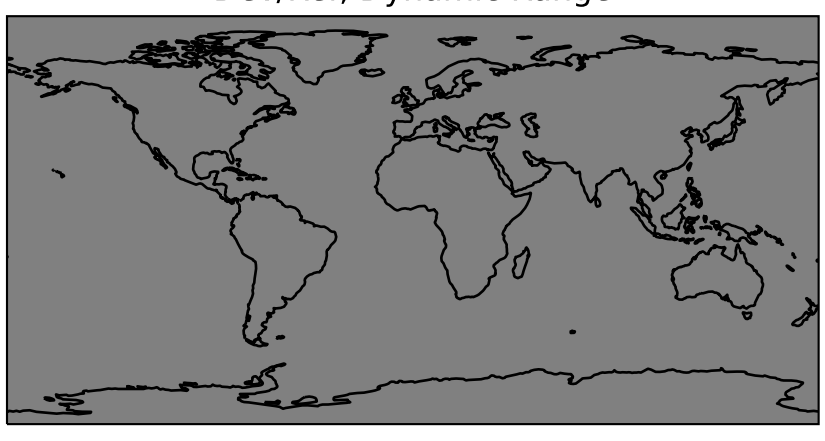
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

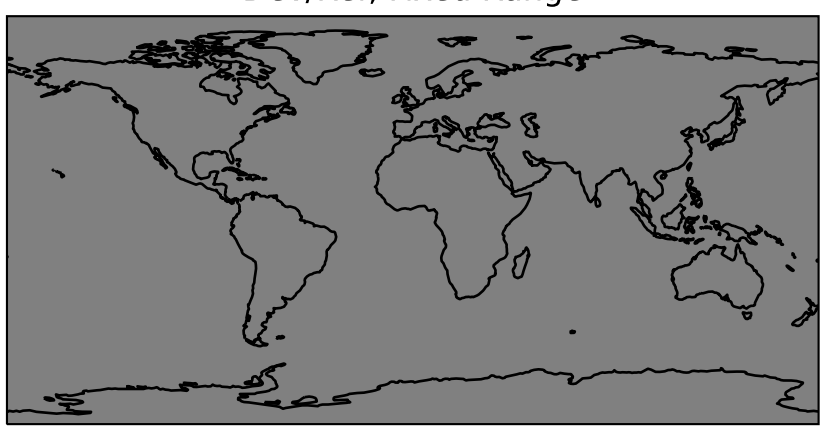
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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

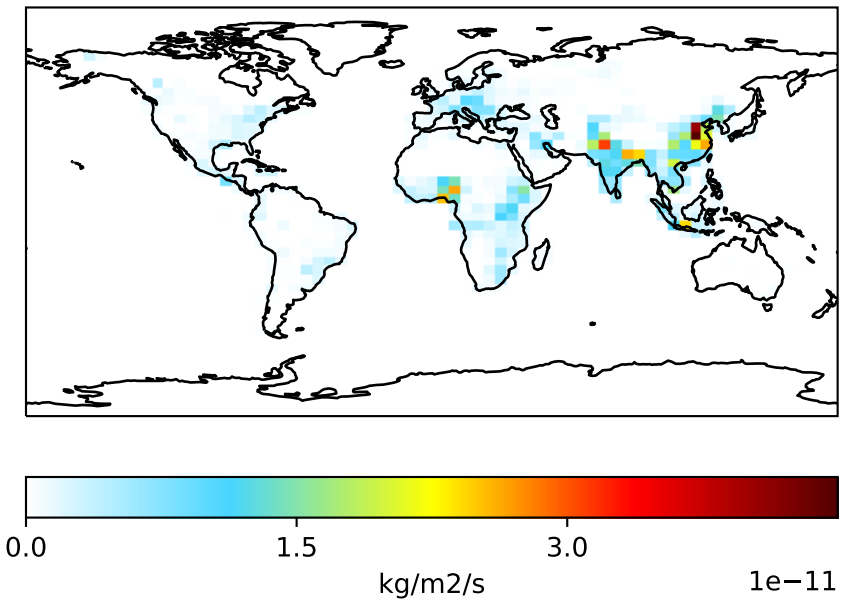




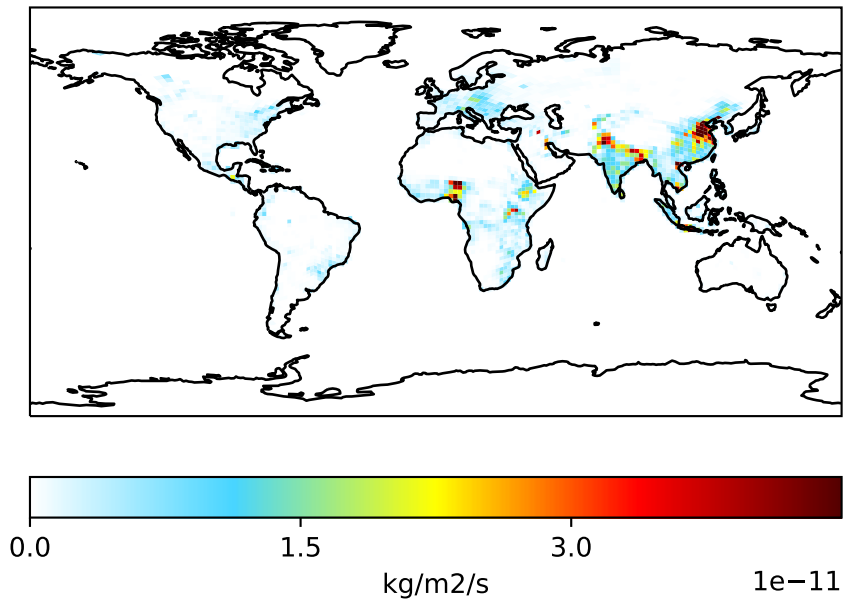
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EmisHCOOH_Total (Jan2019)

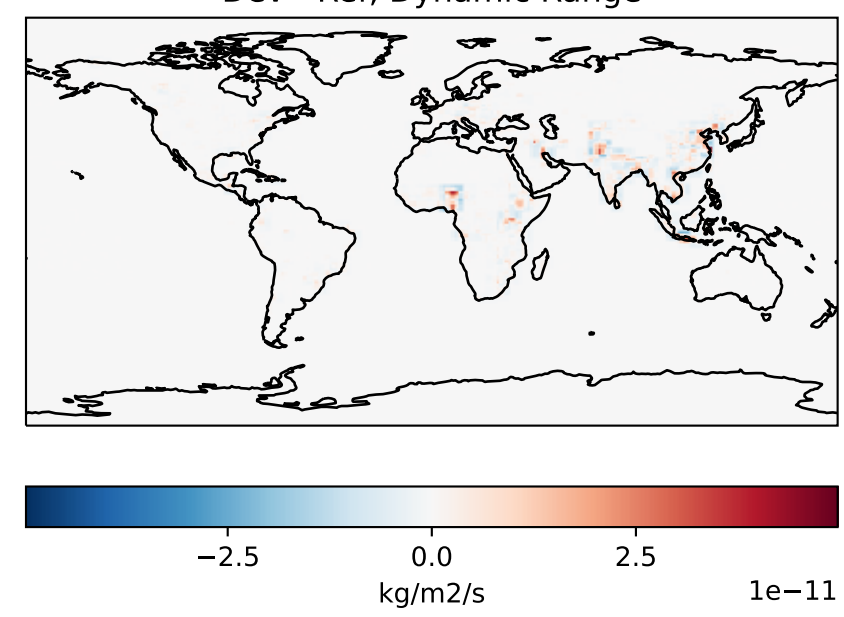
GCC_13.2.0 (Ref)
4.0x5.0



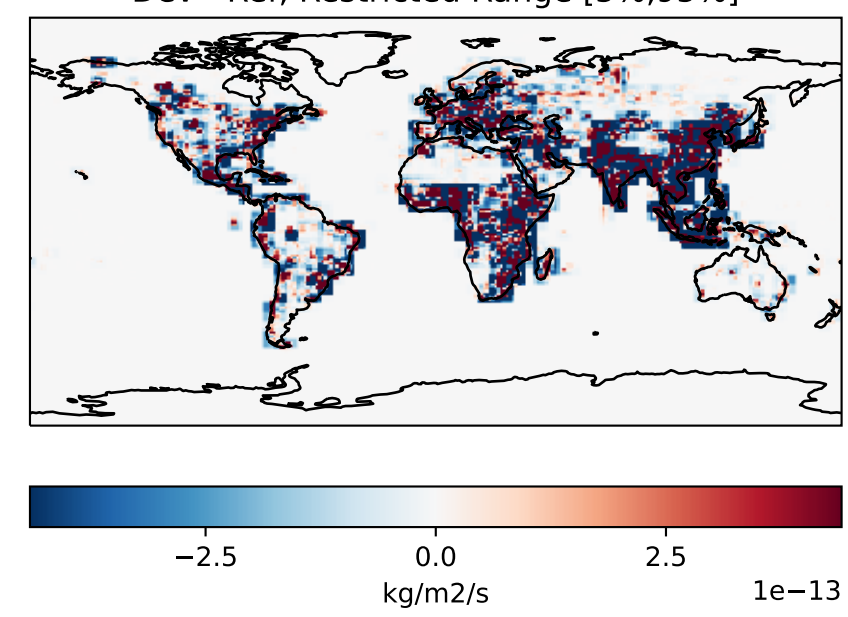
GCHP_13.2.0 (Dev)
c48



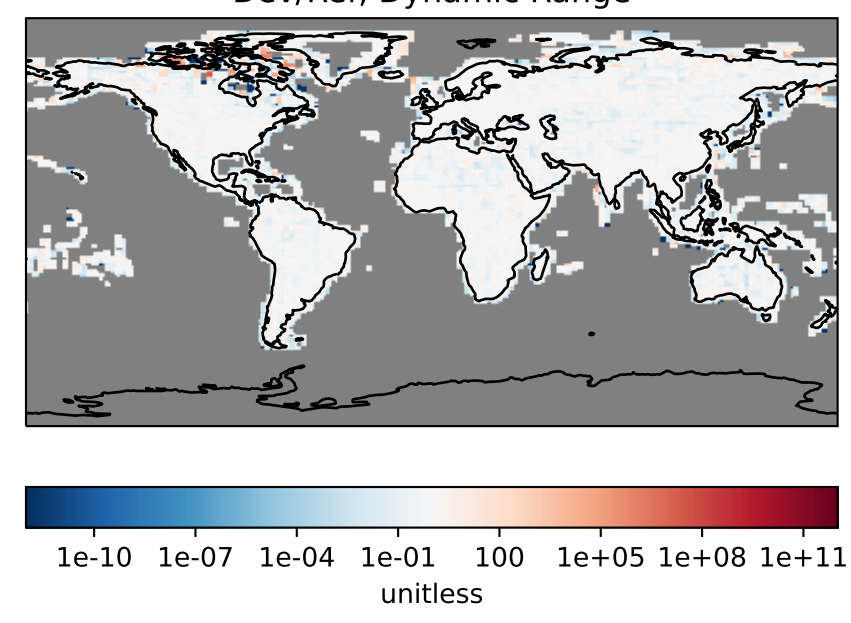
Difference (1x1.25)
Dev - Ref, Dynamic Range



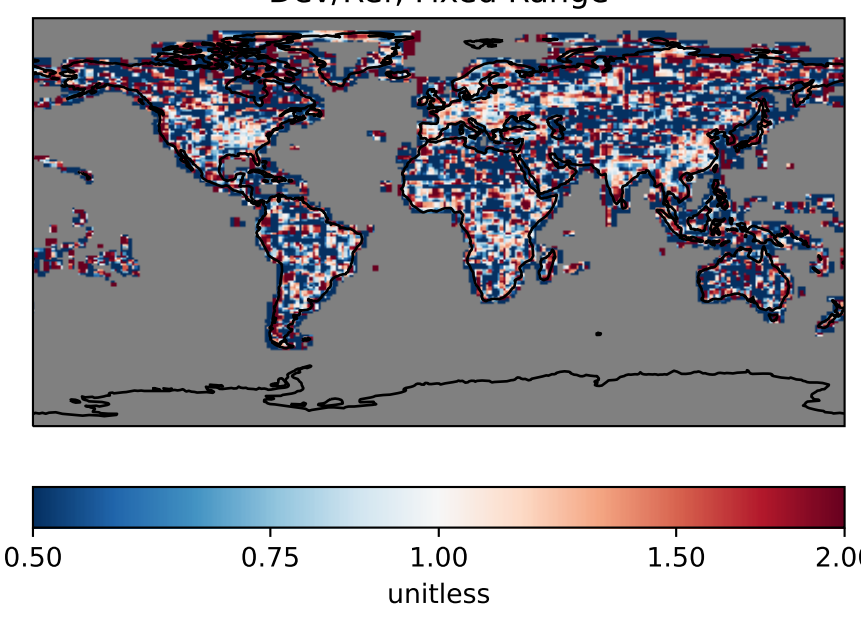
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

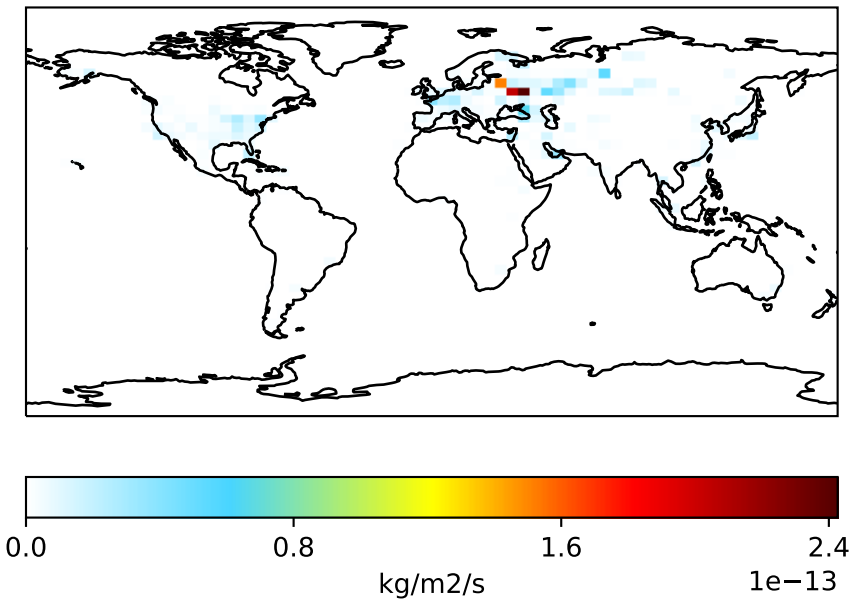


Ratio (1x1.25)
Dev/Ref, Fixed Range

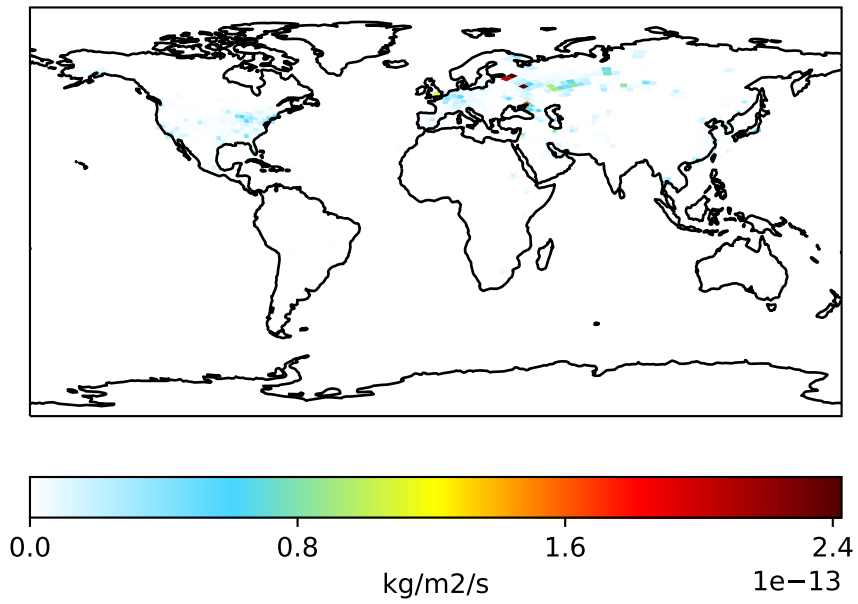


EmisRCHO_Aircraft (Jan2019)

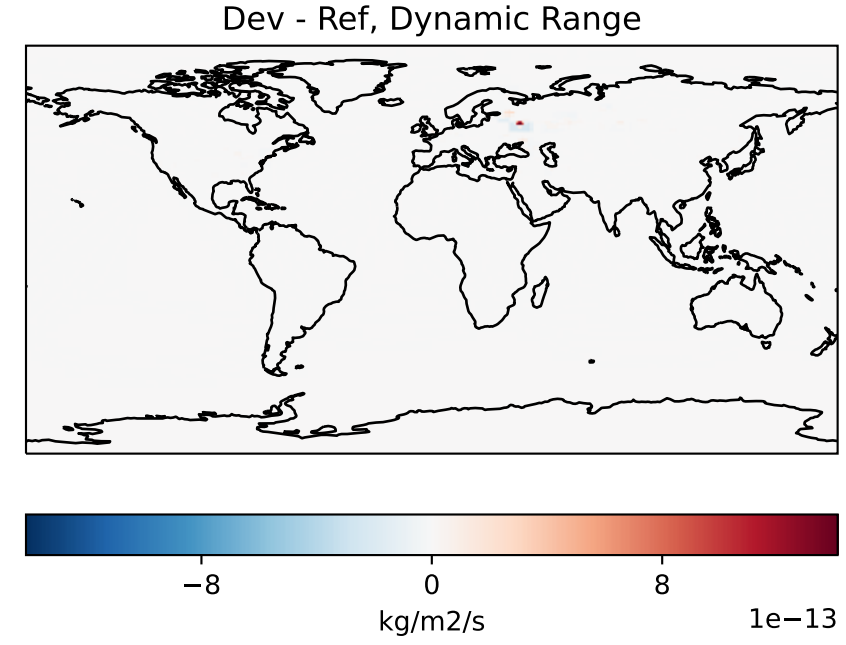
GCC_13.2.0 (Ref)
4.0x5.0



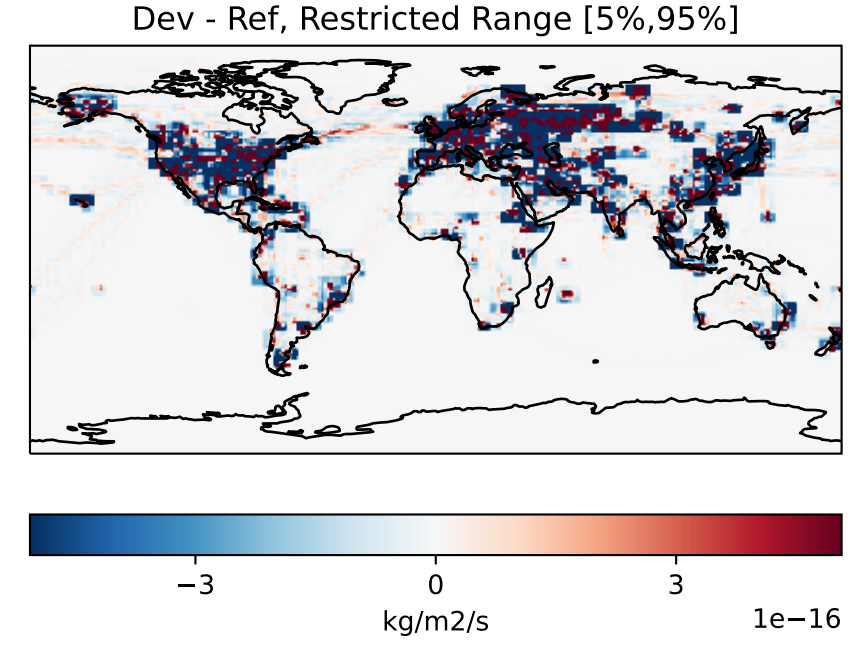
GCHP_13.2.0 (Dev)
c48



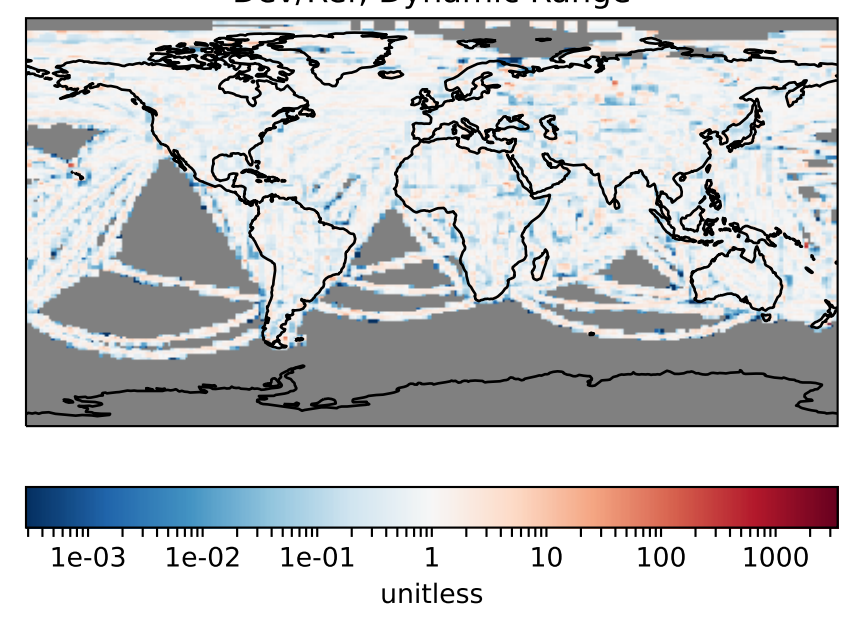
Difference (1x1.25)
Dev - Ref, Dynamic Range



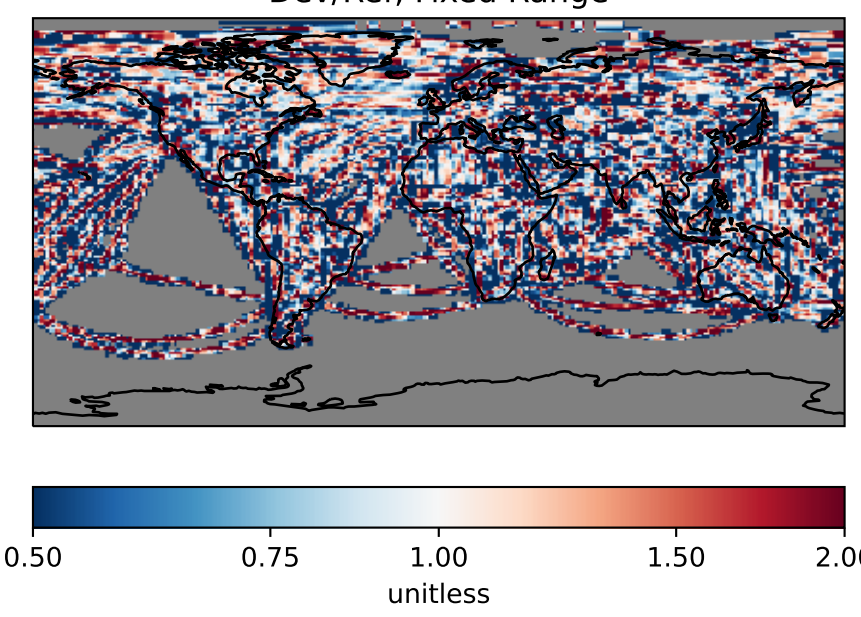
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

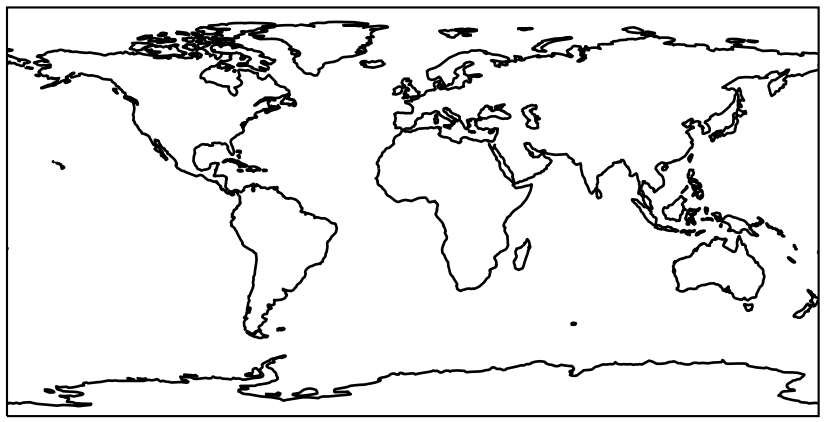


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisRCHO_Anthro (Jan2019)

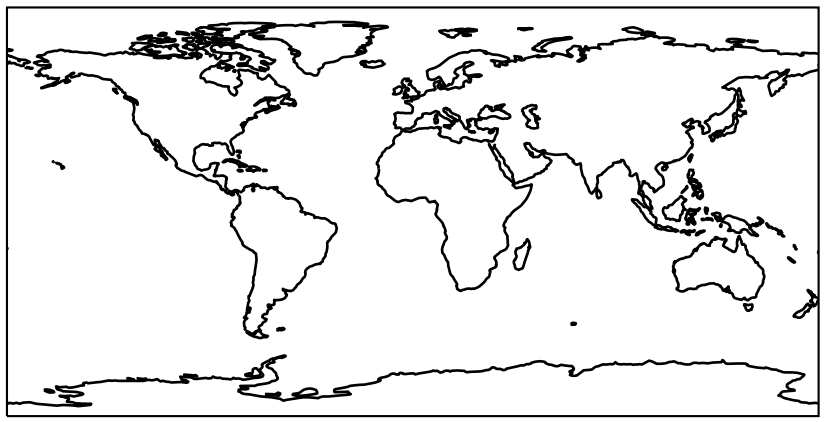
GCC_13.2.0 (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

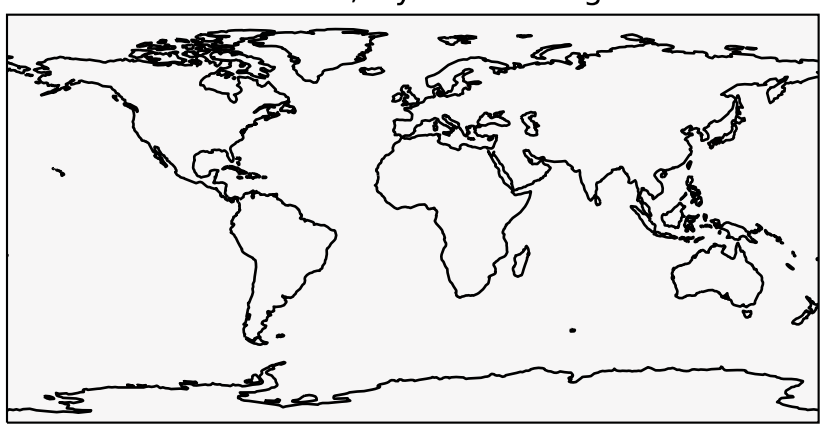
GCHP_13.2.0 (Dev)
c48





Zero throughout domain
kg/m2/s

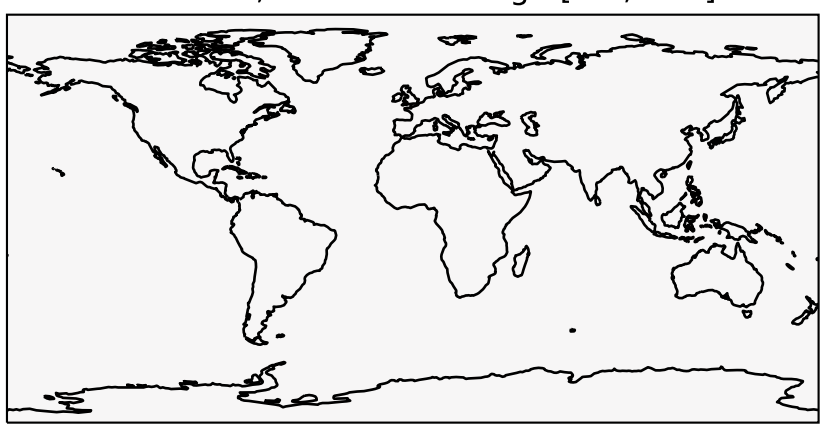
Difference (1x1.25)
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

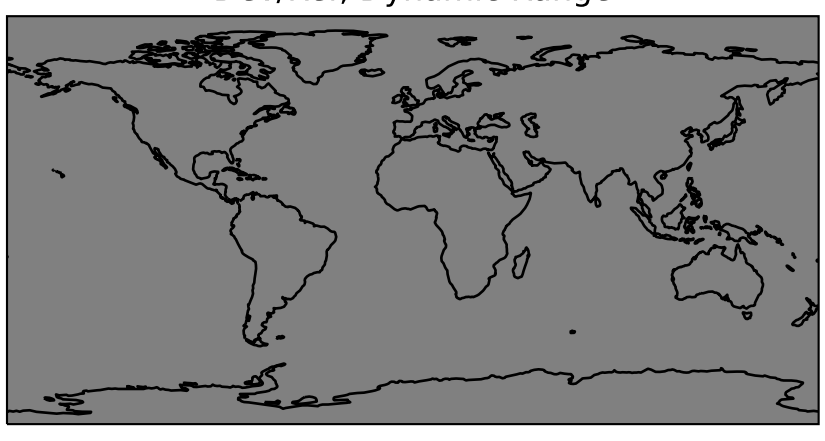
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

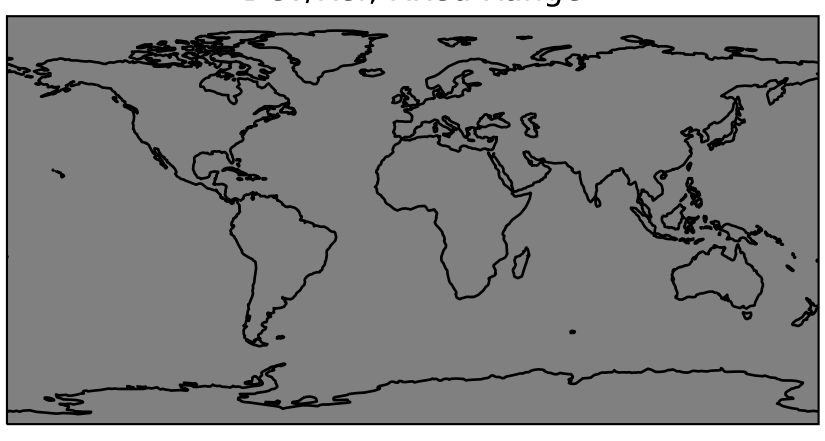
Ratio (1x1.25)
Dev/Ref, Dynamic Range





Undefined throughout domain
unitless

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

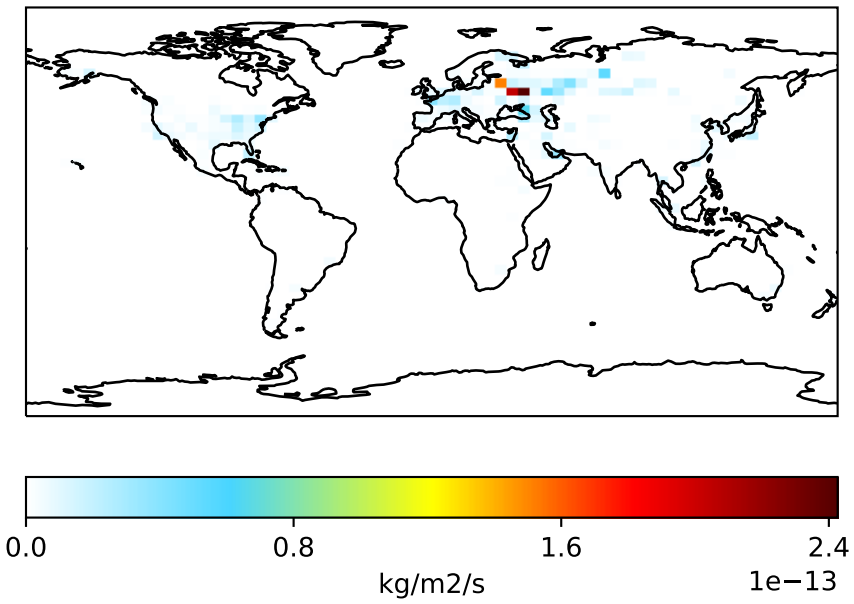




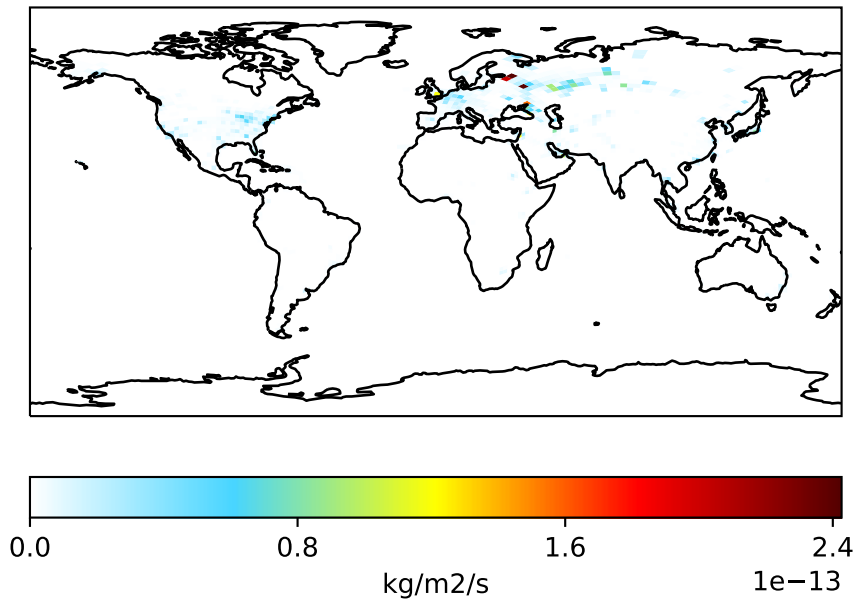
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EmisRCHO_Total (Jan2019)

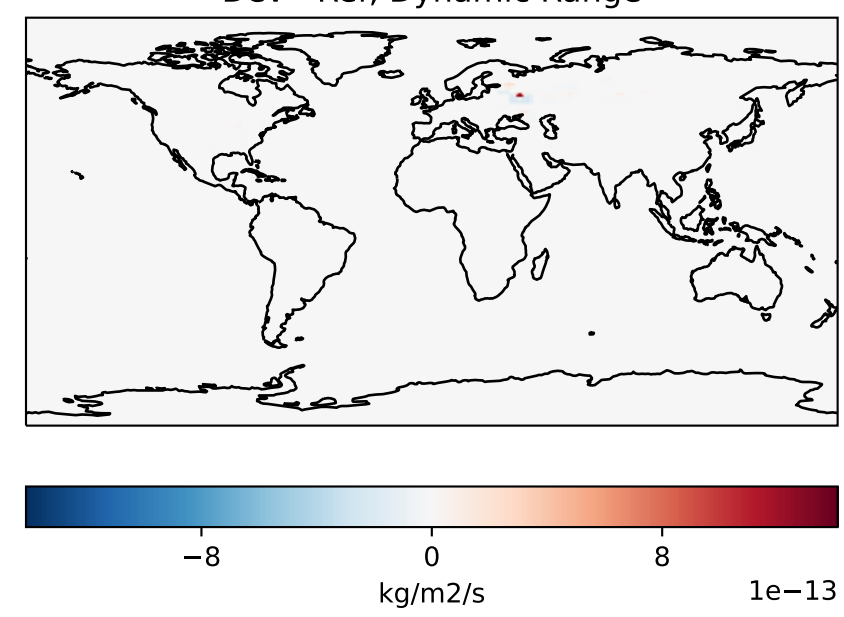
GCC_13.2.0 (Ref)
4.0x5.0



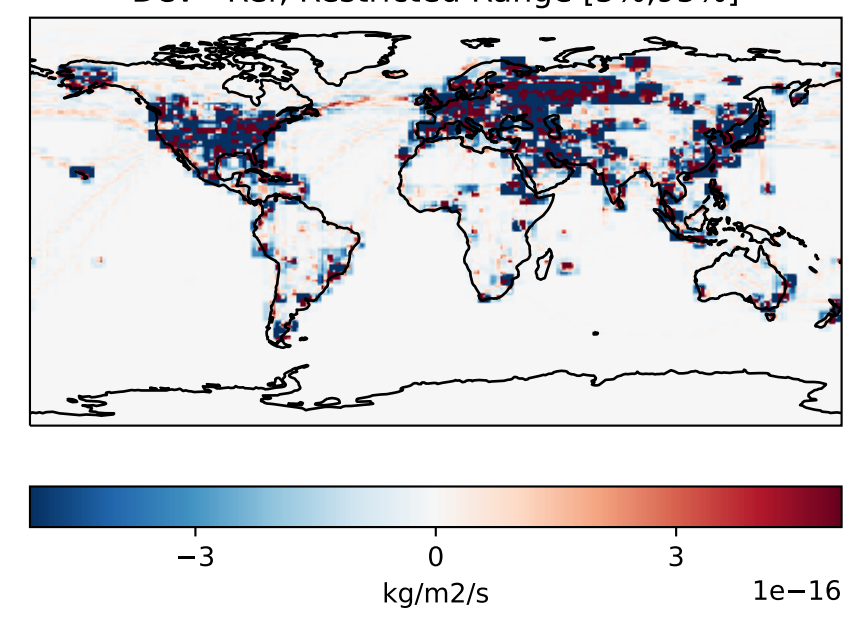
GCHP_13.2.0 (Dev)
c48



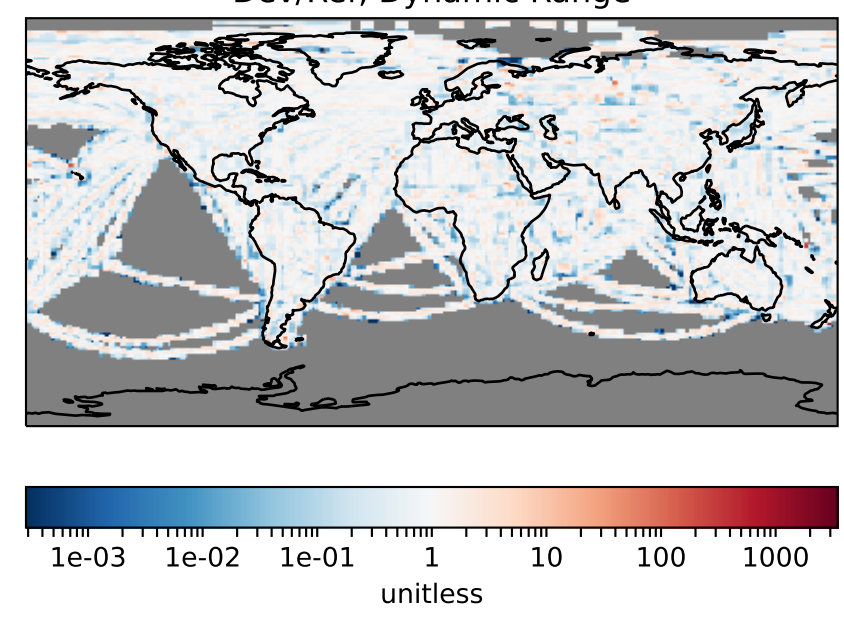
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

