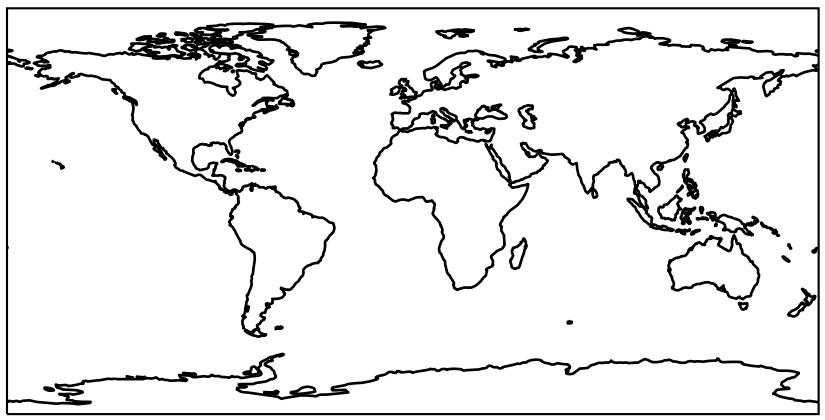
EmisACET_Anthro

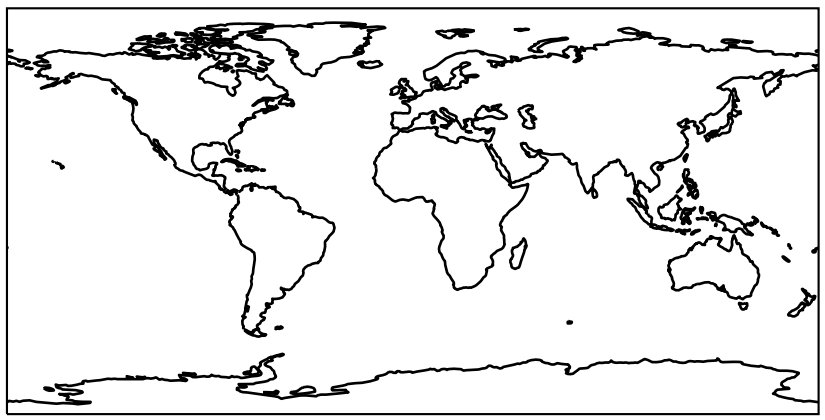
GCHP_13.1.0-beta.1 (Ref)
c48





Zero throughout domain
kg/m2/s

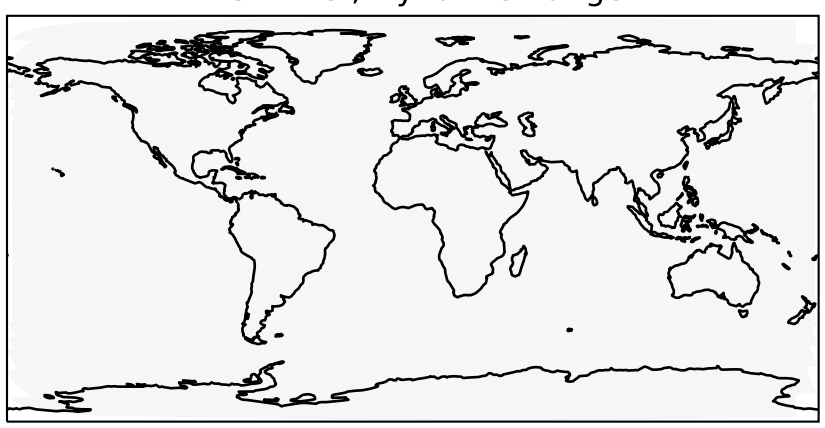
GCHP_13.2.0-beta.0 (Dev)
c48





Zero throughout domain
kg/m2/s

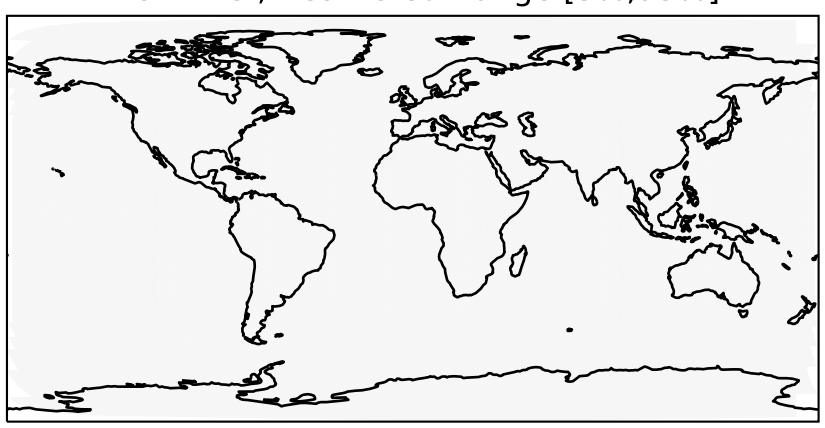
Difference
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

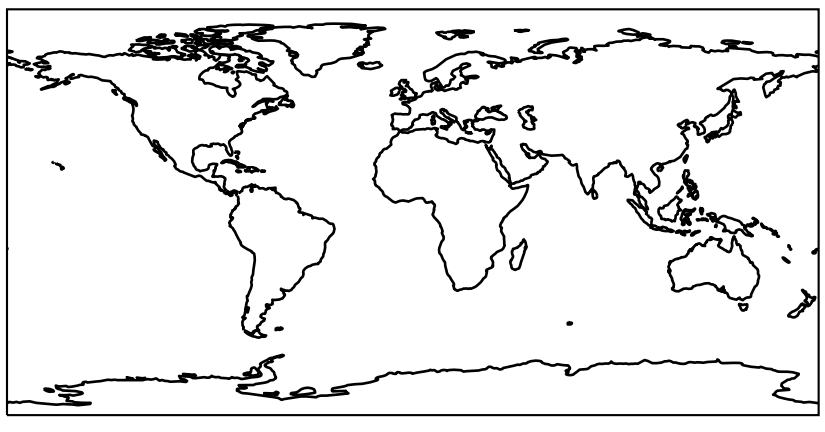
Difference
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

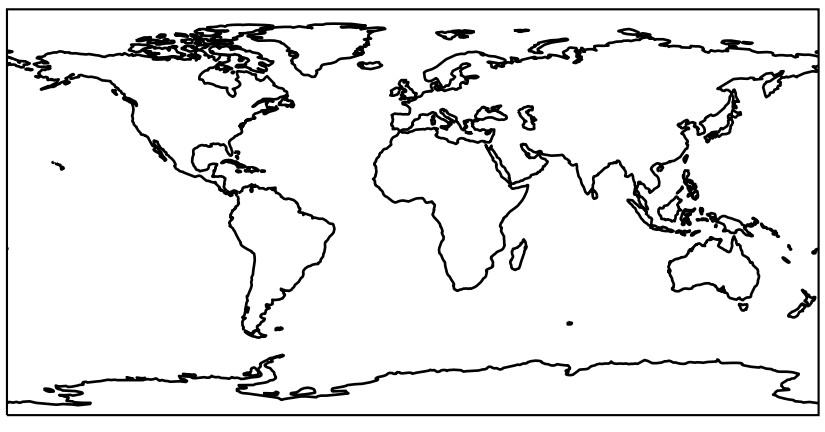
Ratio
Dev/Ref, Dynamic Range





Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

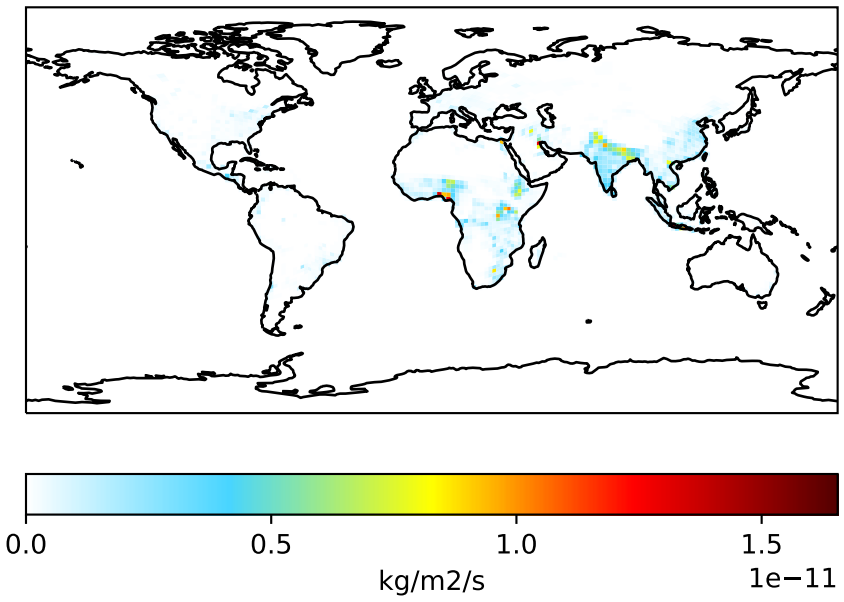




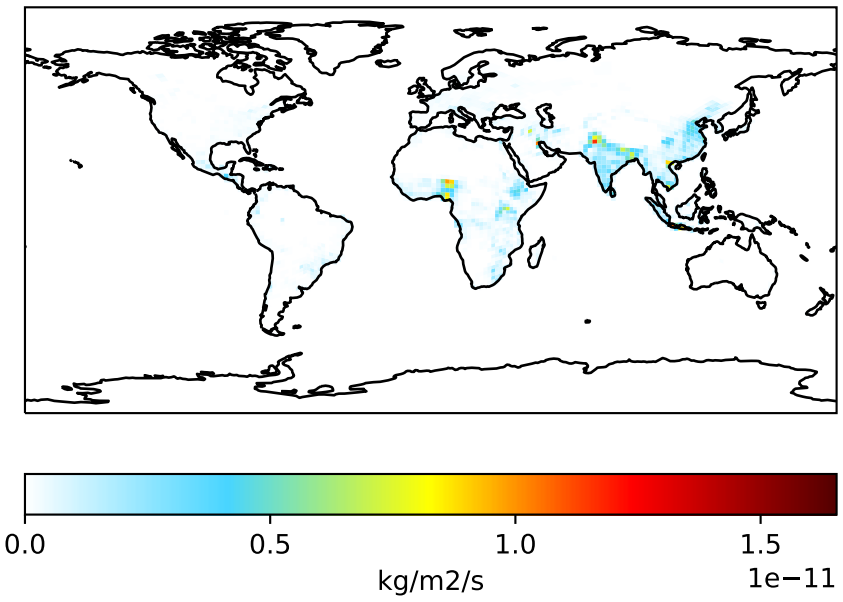
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unitless

EmisALD2_Anthro

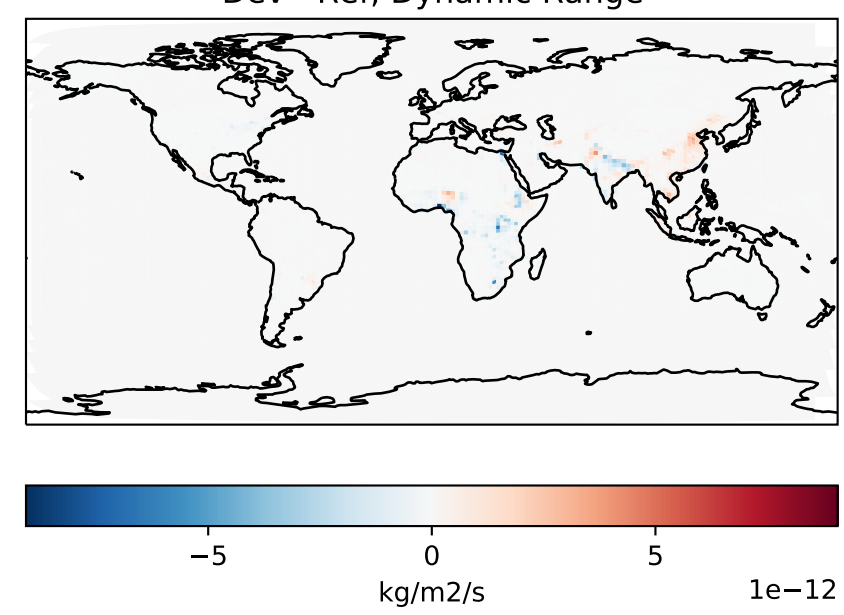
GCHP_13.1.0-beta.1 (Ref)
c48



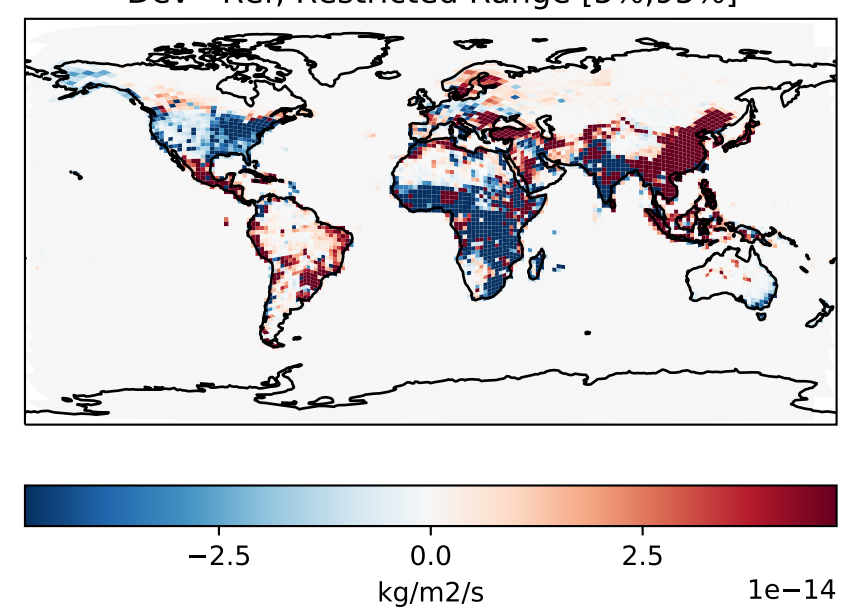
GCHP_13.2.0-beta.0 (Dev)
c48



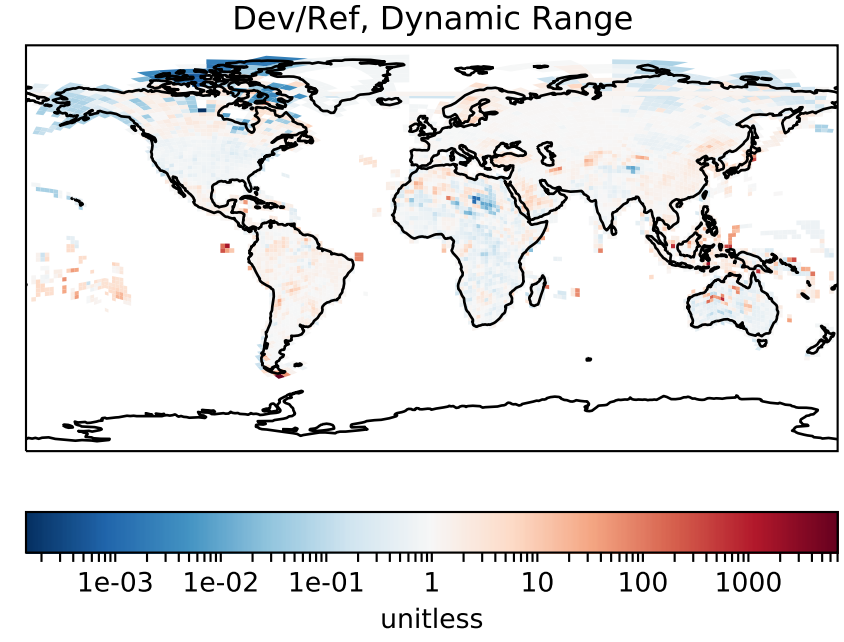
Difference
Dev - Ref, Dynamic Range



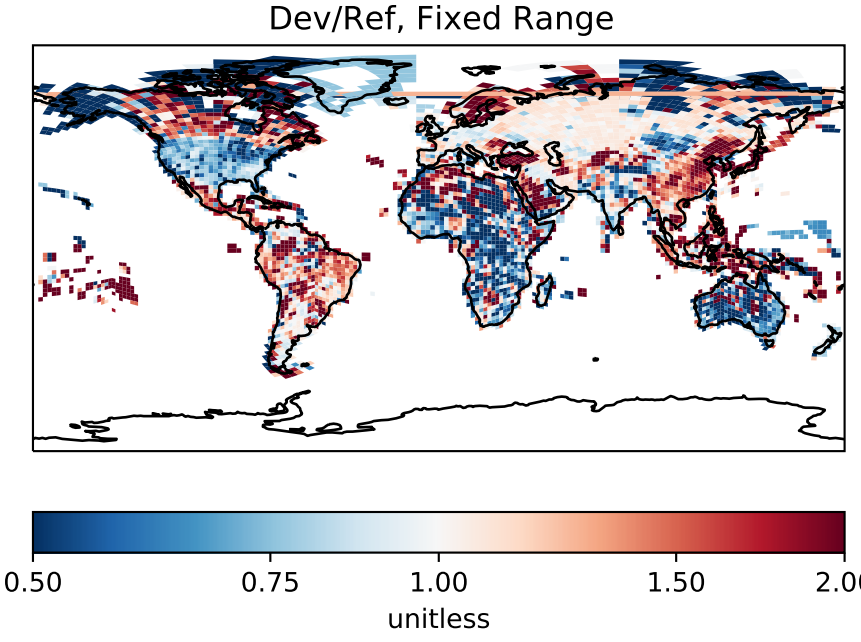
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

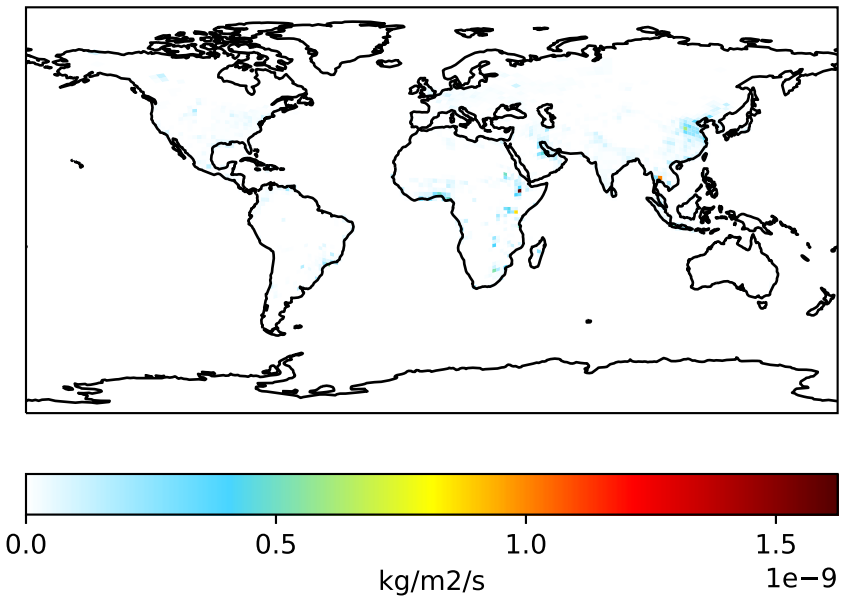


Ratio
Dev/Ref, Fixed Range

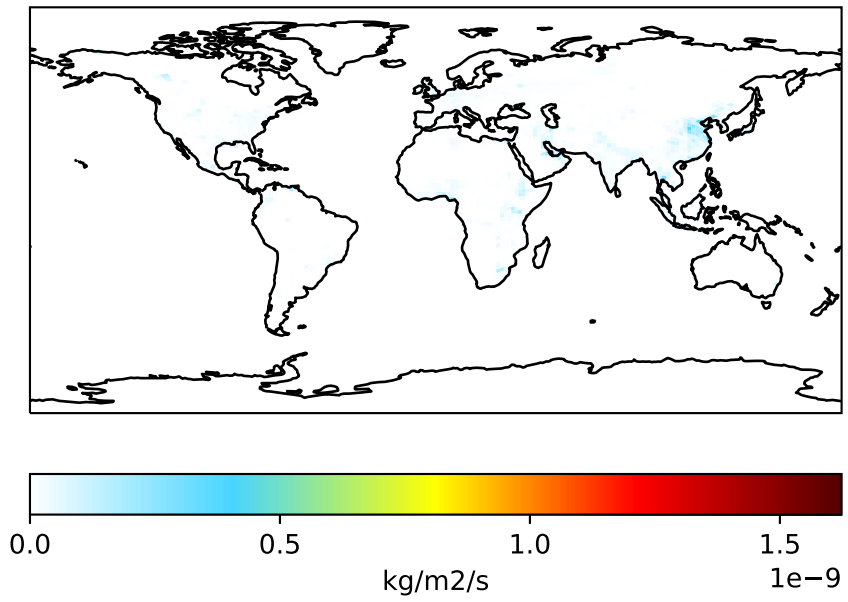


EmisALK4_Anthro

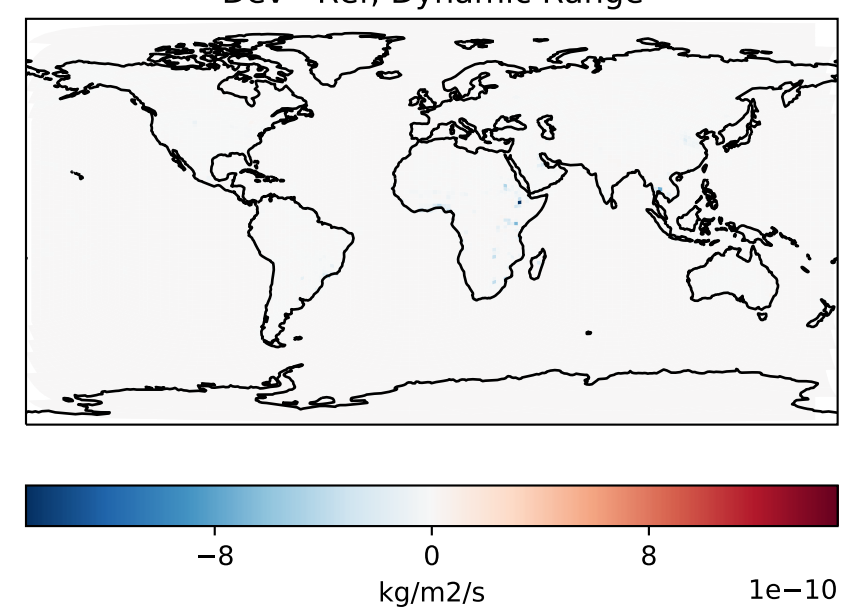
GCHP_13.1.0-beta.1 (Ref)
c48



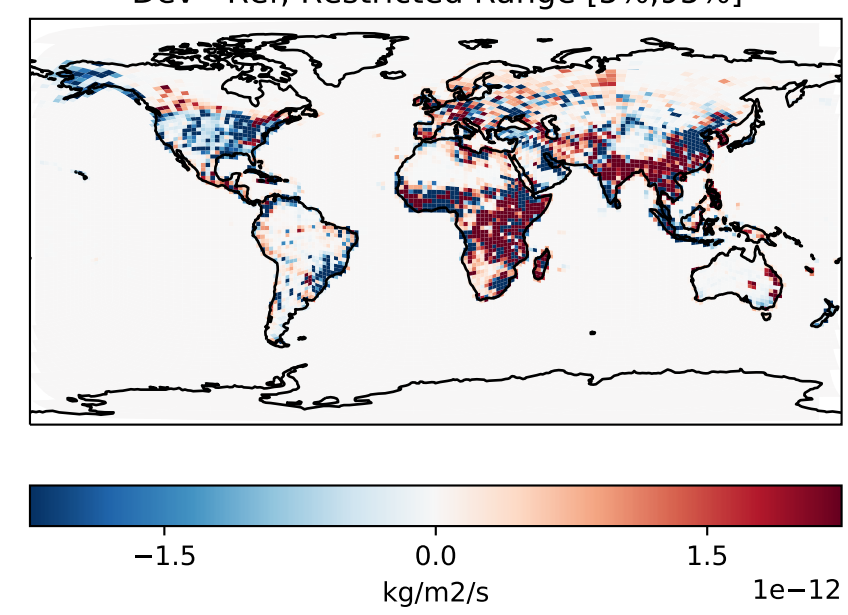
GCHP_13.2.0-beta.0 (Dev)
c48



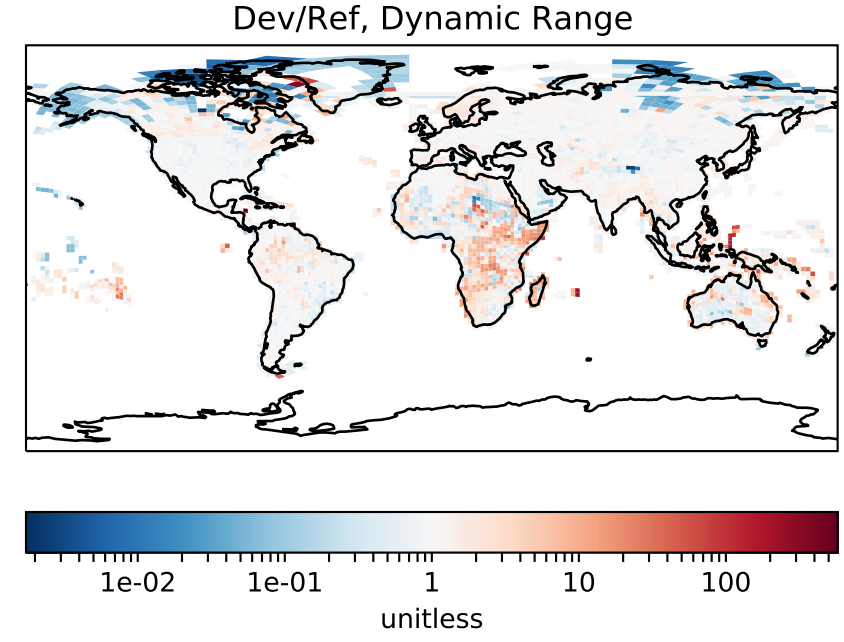
Difference
Dev - Ref, Dynamic Range



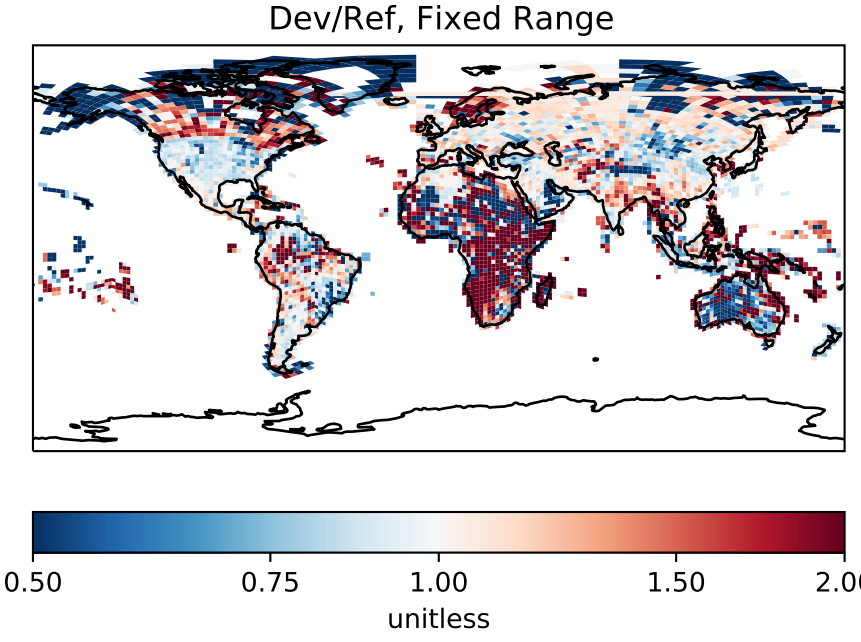
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

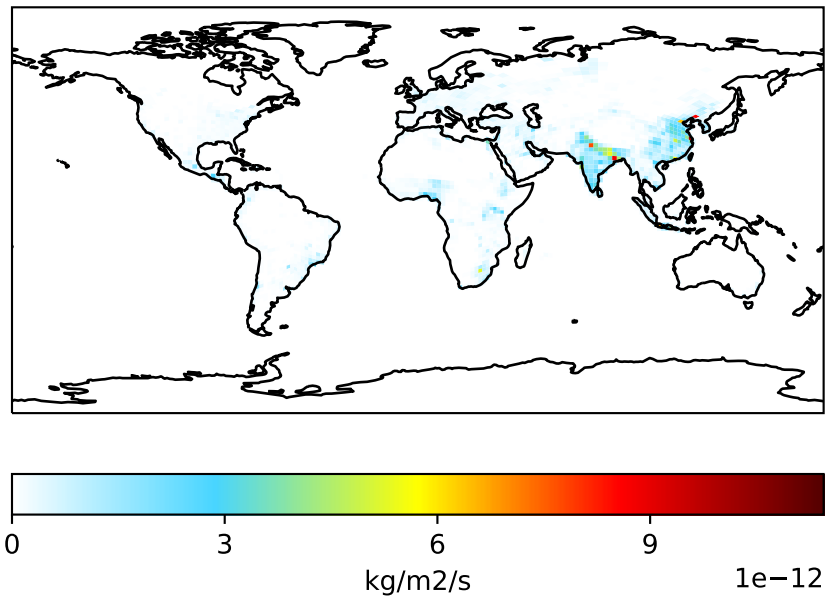


Ratio
Dev/Ref, Fixed Range

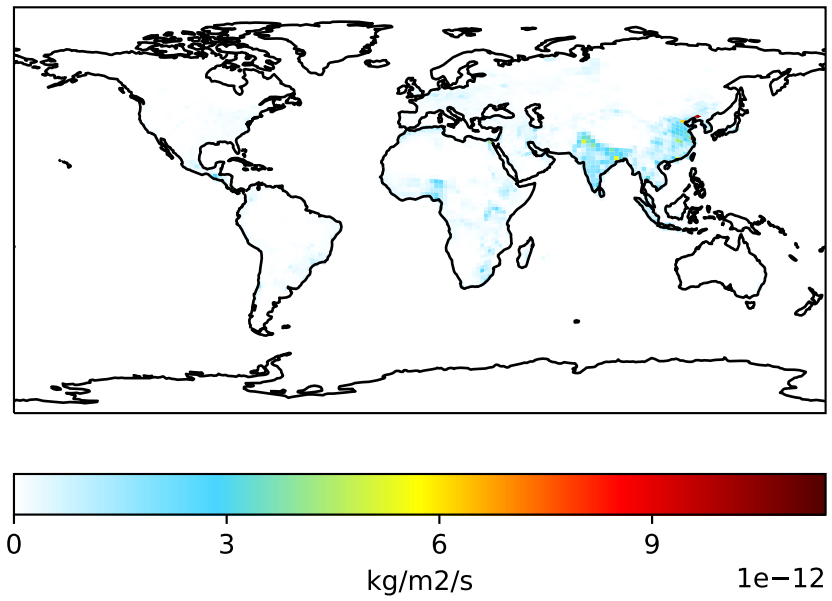


EmisBCPI_Anthro

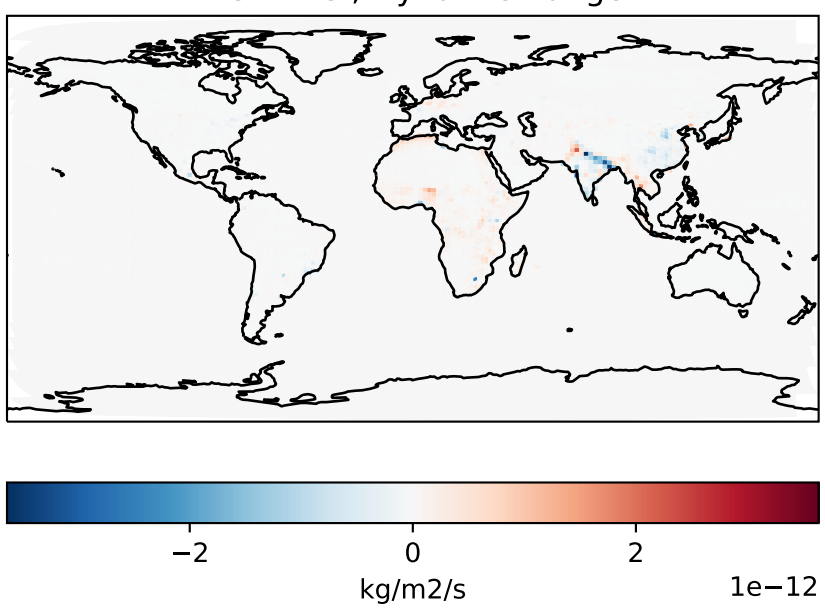
GCHP_13.1.0-beta.1 (Ref)
c48



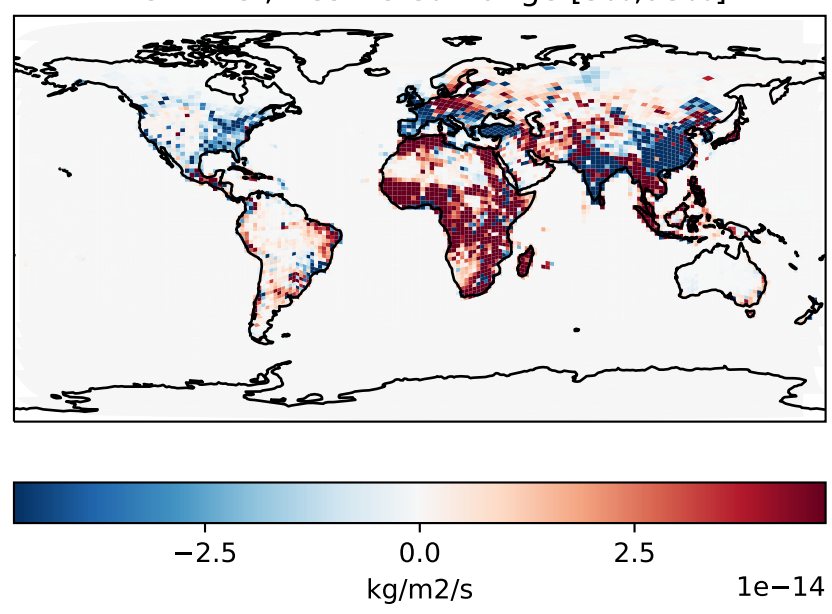
GCHP_13.2.0-beta.0 (Dev)
c48



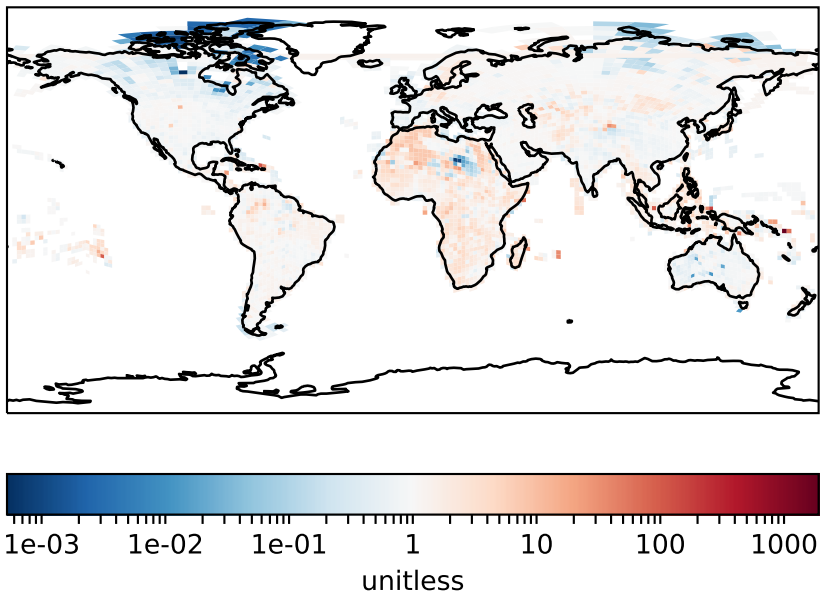
Difference
Dev - Ref, Dynamic Range



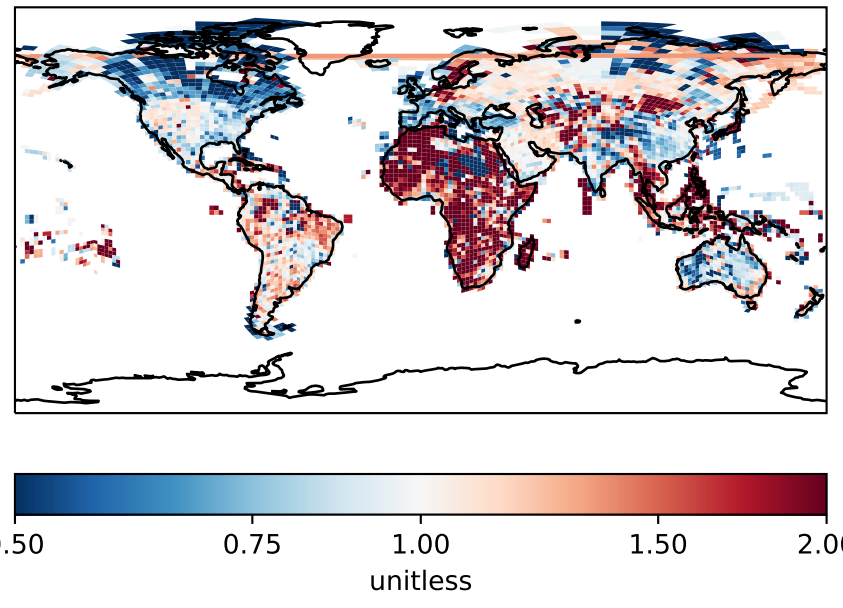
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

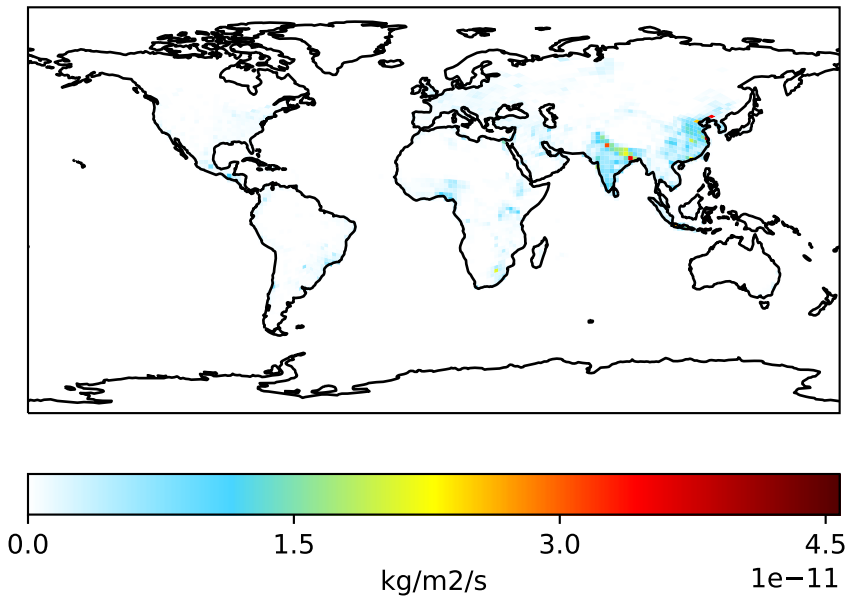


Ratio
Dev/Ref, Fixed Range

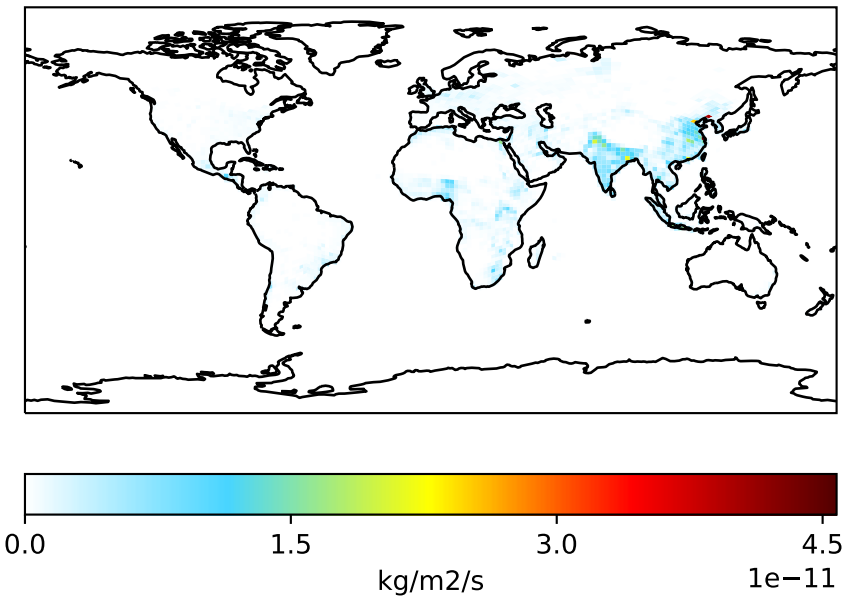


EmisBCPO_Anthro

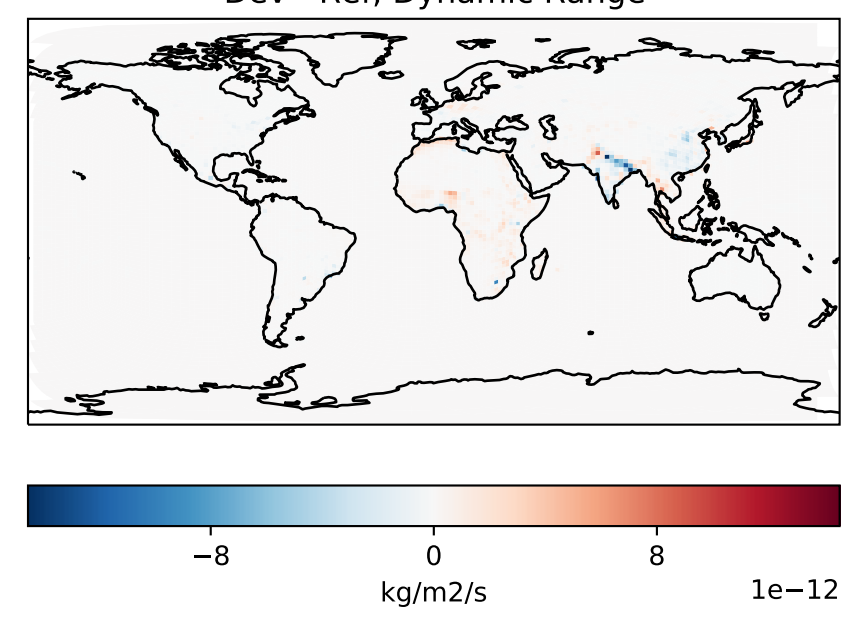
GCHP_13.1.0-beta.1 (Ref)
c48



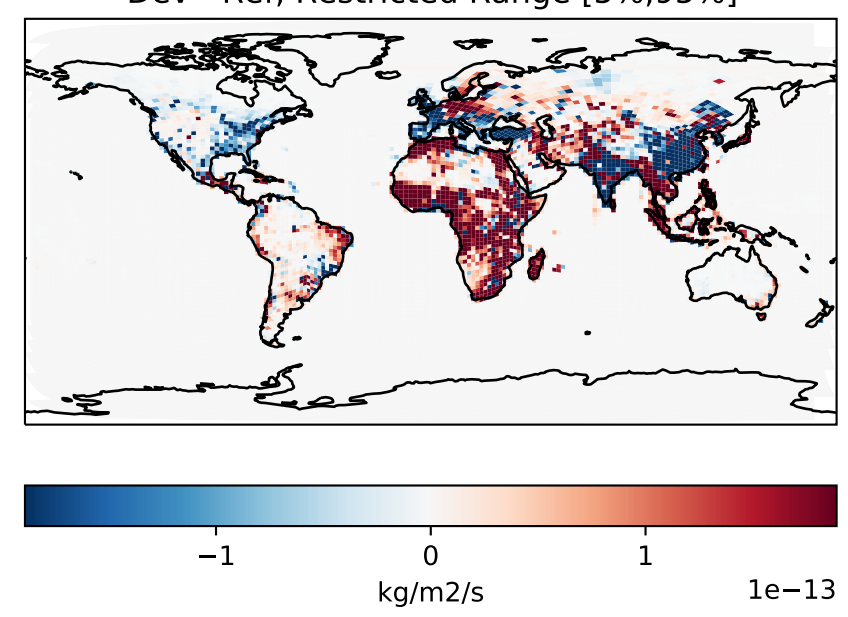
GCHP_13.2.0-beta.0 (Dev)
c48



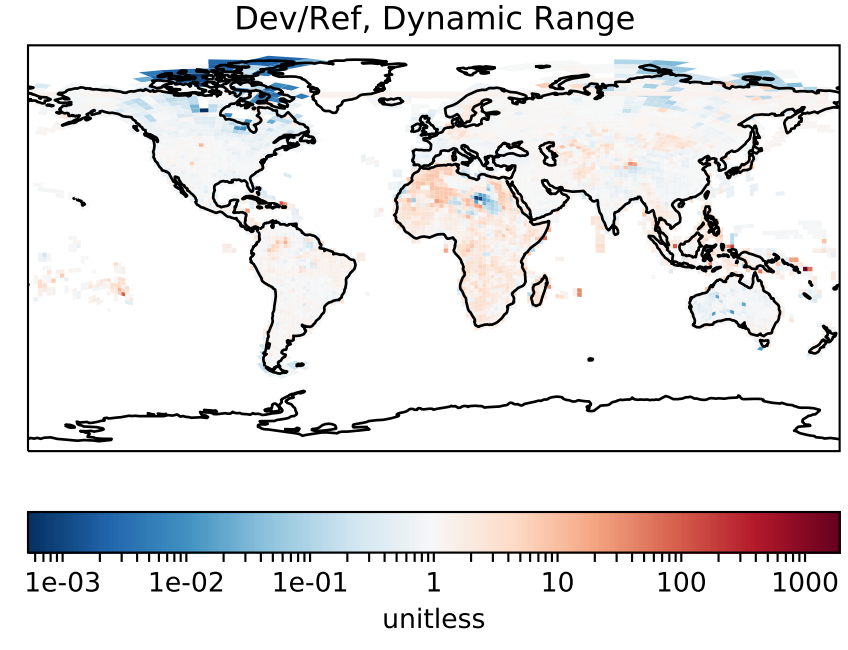
Difference
Dev - Ref, Dynamic Range



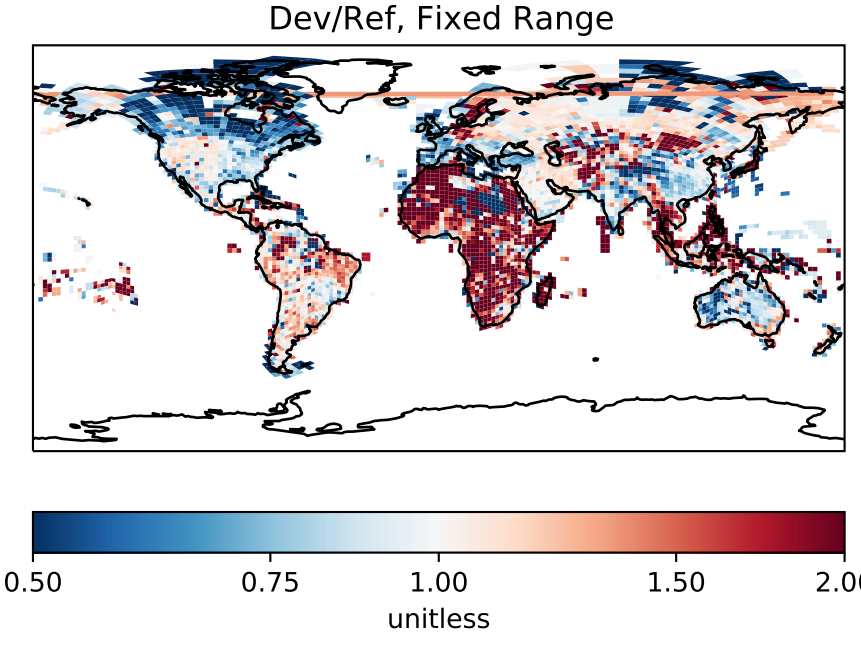
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

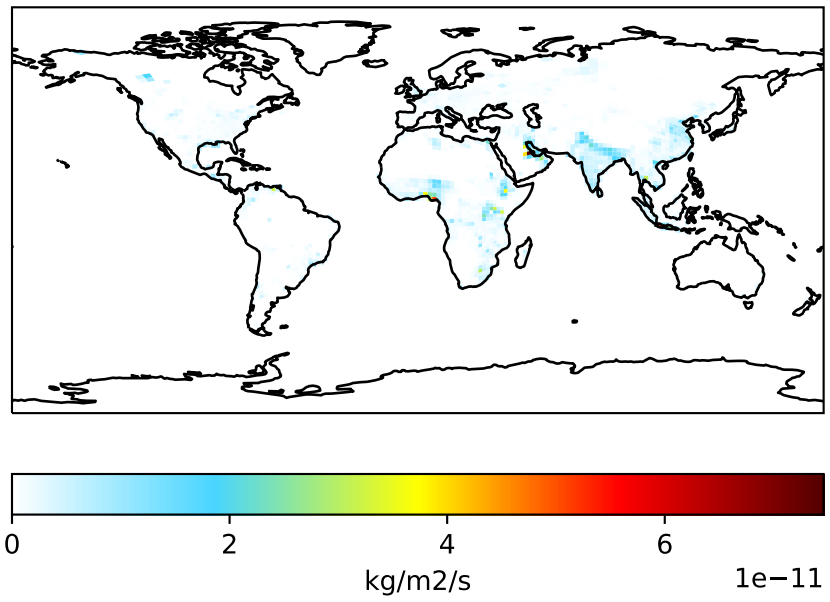


Ratio
Dev/Ref, Fixed Range

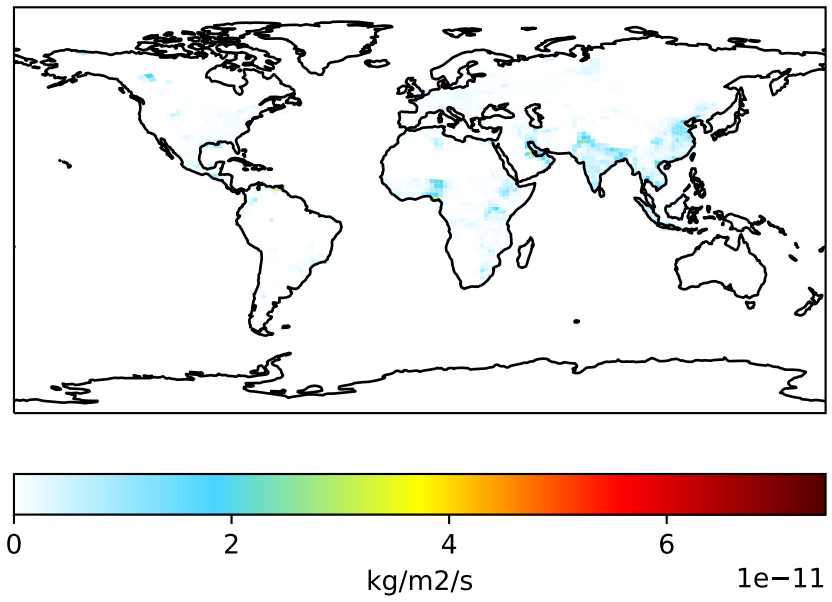


EmisBENZ_Anthro

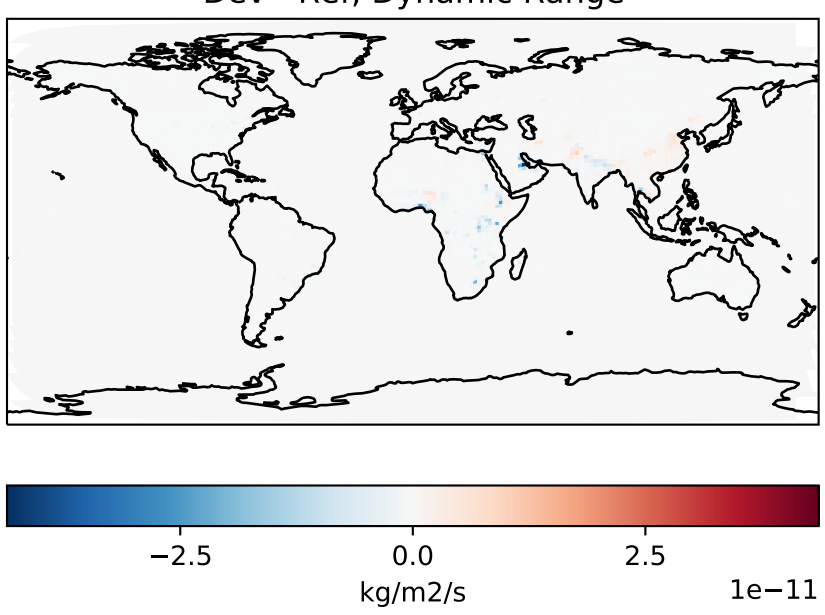
GCHP_13.1.0-beta.1 (Ref)
c48



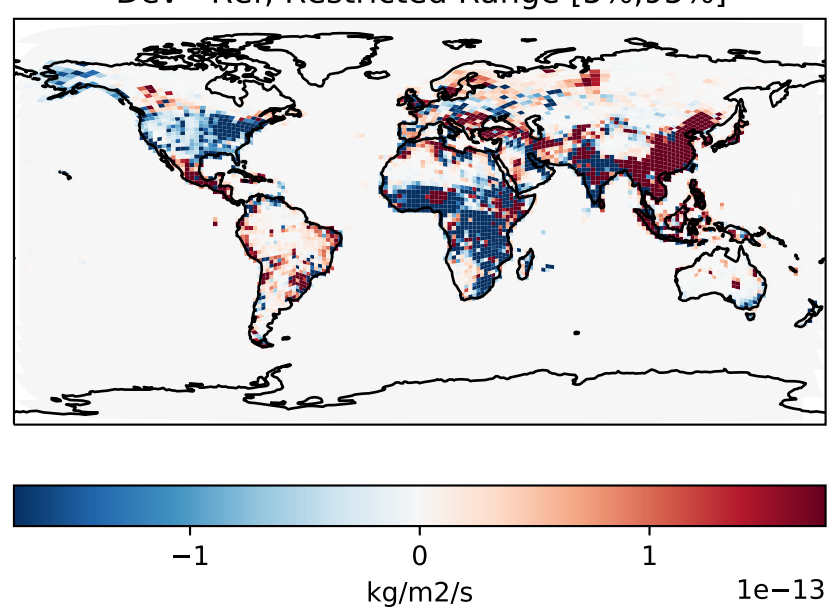
GCHP_13.2.0-beta.0 (Dev)
c48



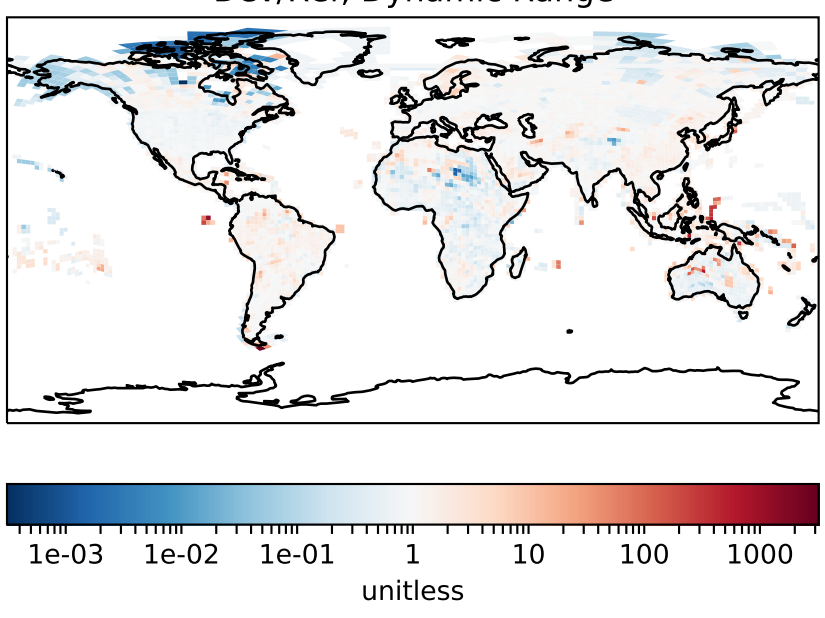
Difference
Dev - Ref, Dynamic Range



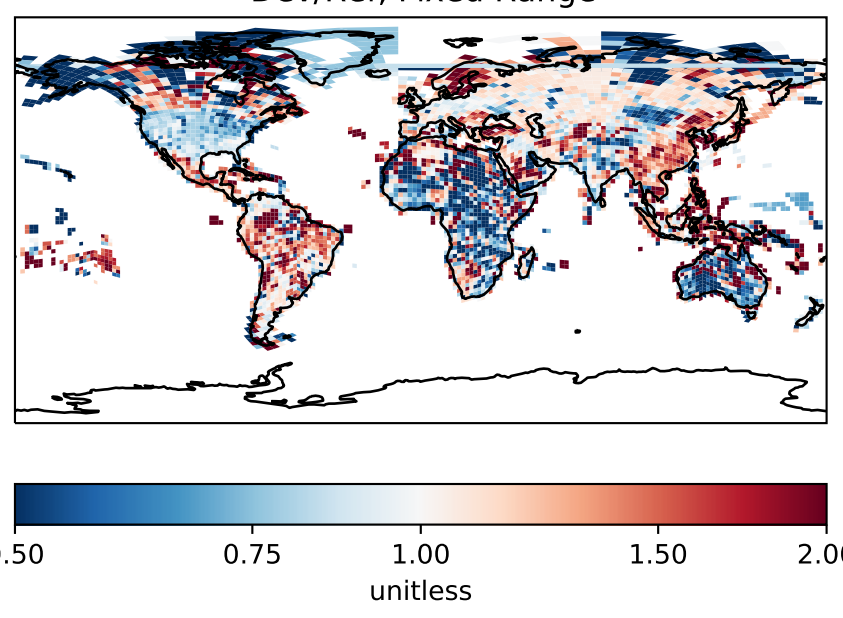
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

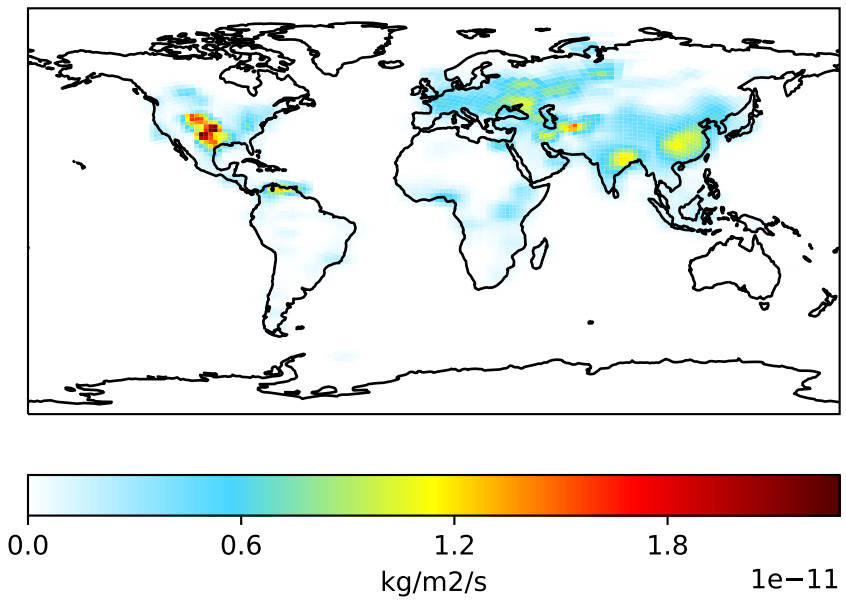


Ratio
Dev/Ref, Fixed Range

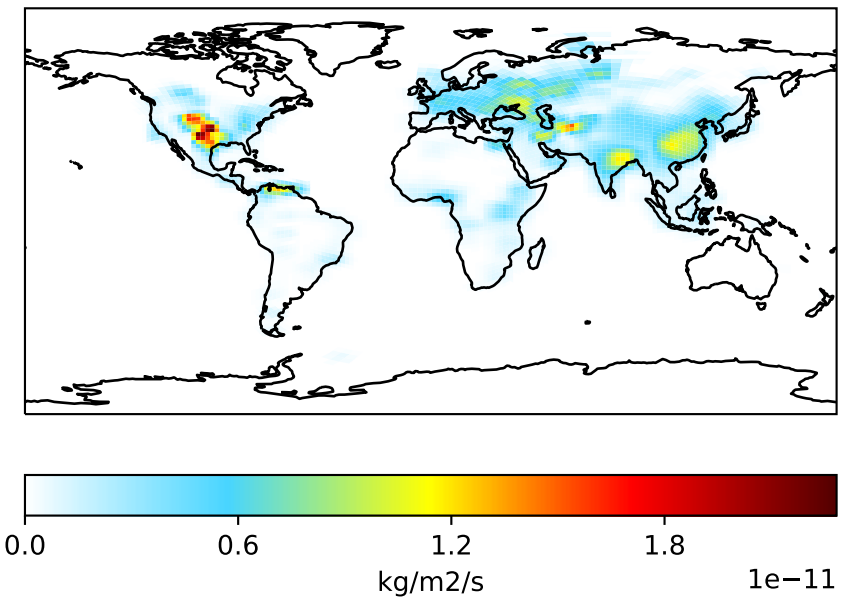


EmisC2H6_Anthro

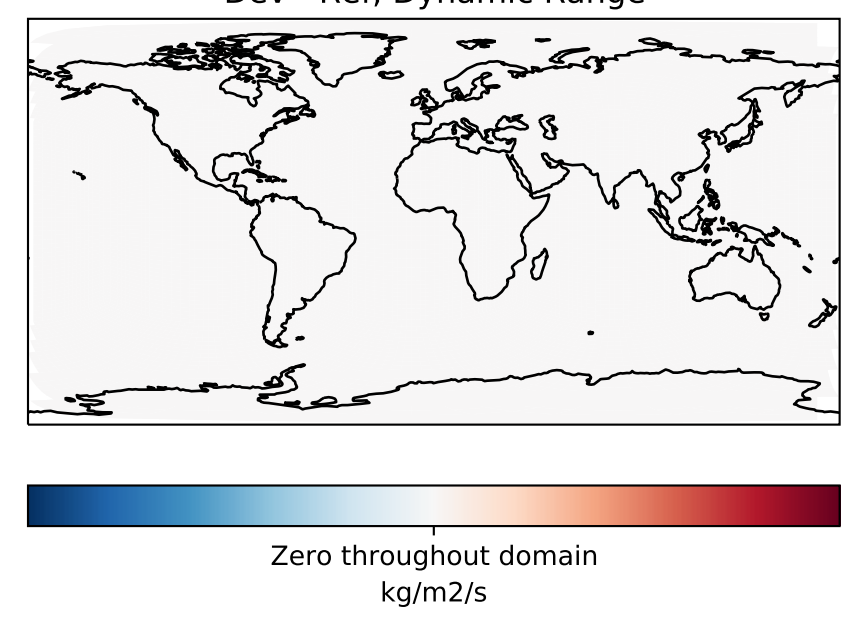
GCHP_13.1.0-beta.1 (Ref)
c48



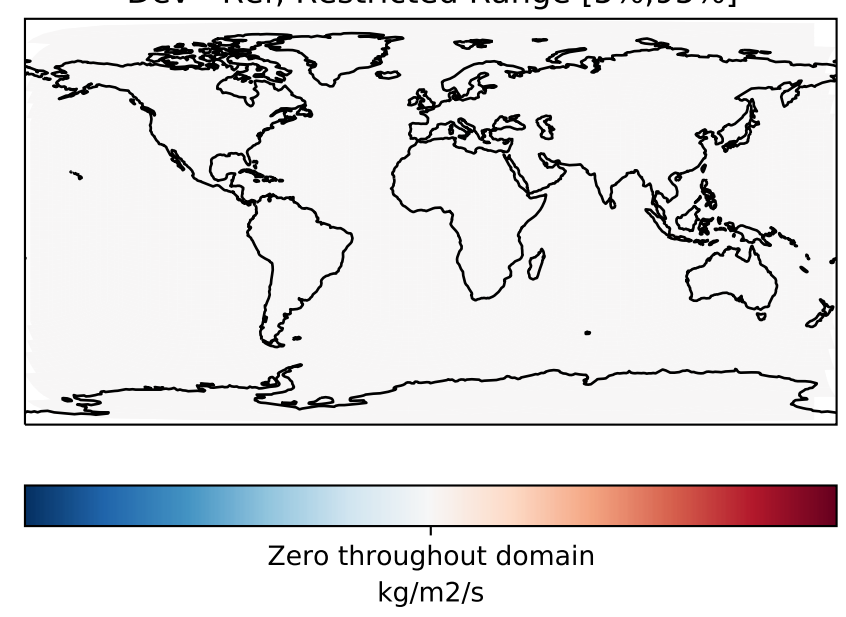
GCHP_13.2.0-beta.0 (Dev)
c48



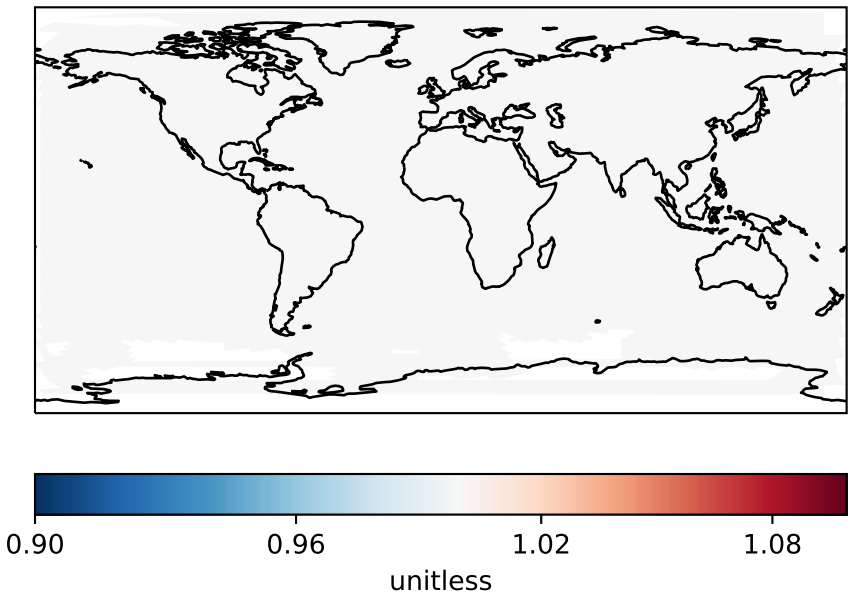
Difference
Dev - Ref, Dynamic Range



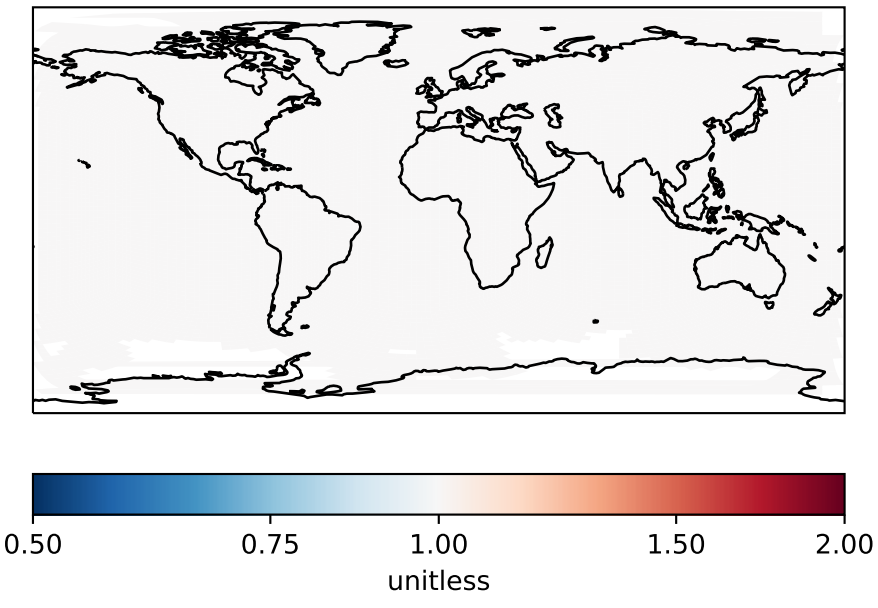
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

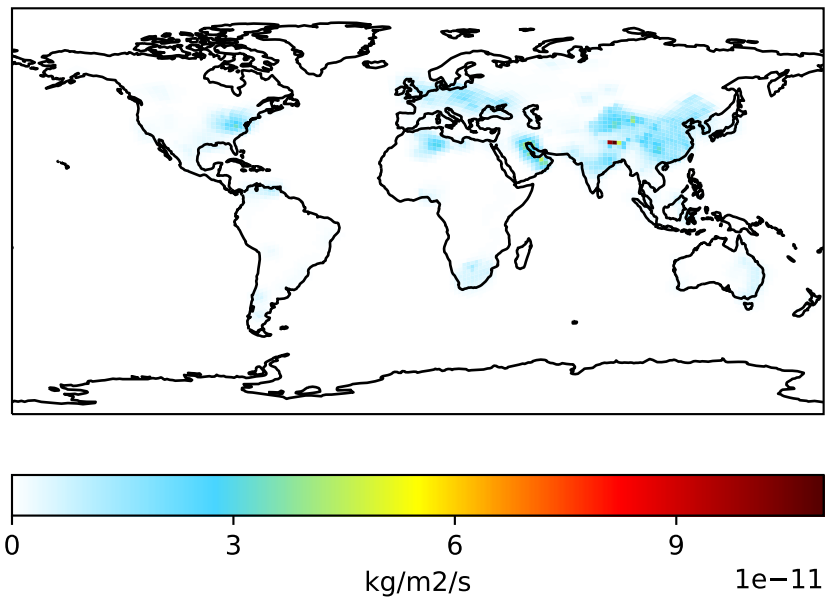


Ratio
Dev/Ref, Fixed Range

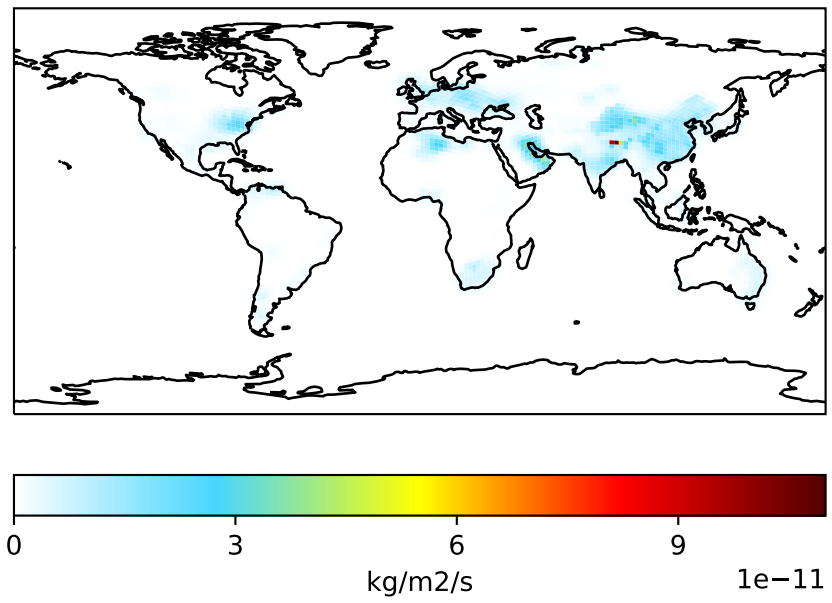


EmisC3H8_Anthro

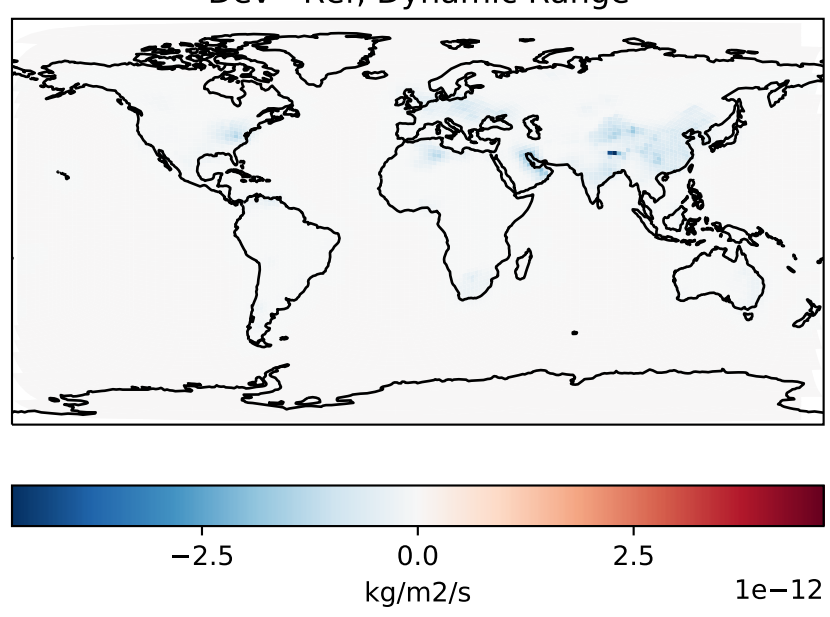
GCHP_13.1.0-beta.1 (Ref)
c48



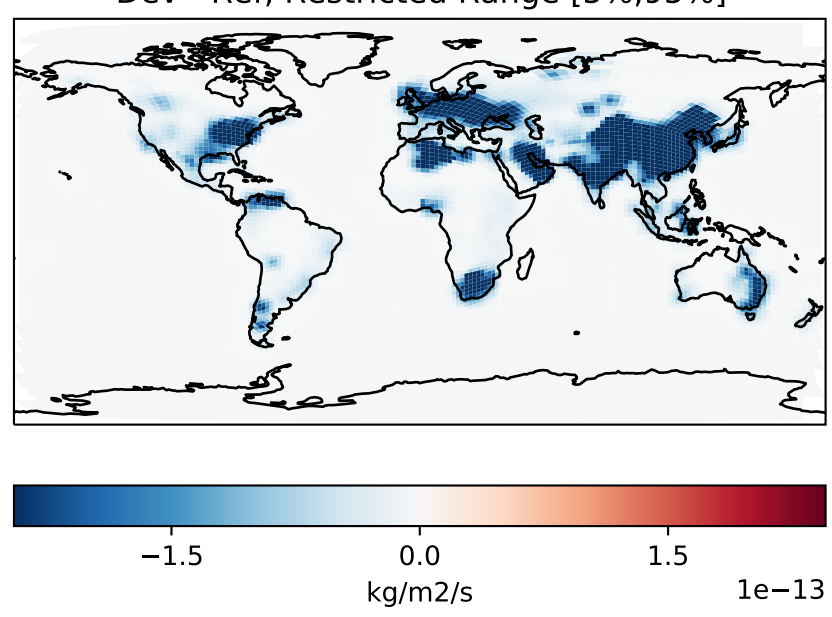
GCHP_13.2.0-beta.0 (Dev)
c48



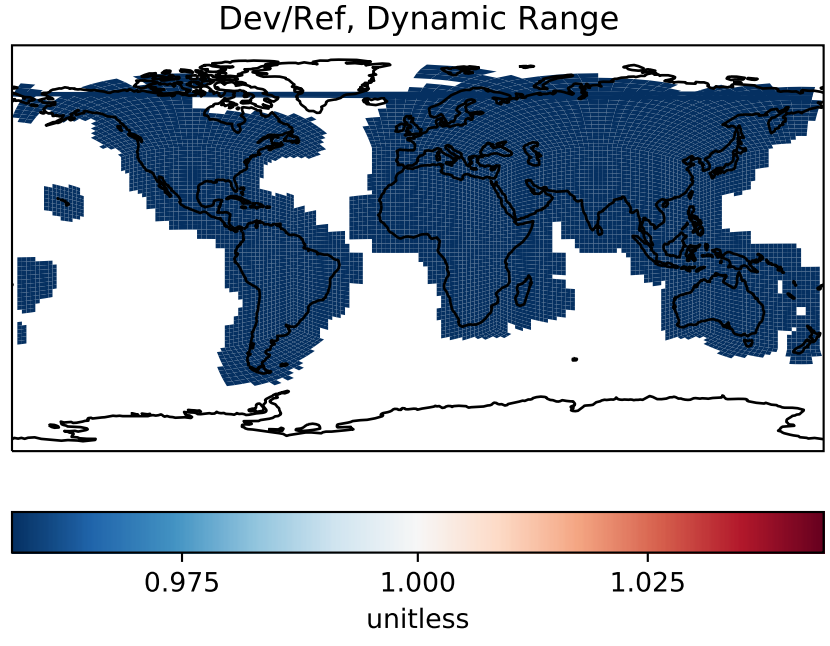
Difference
Dev - Ref, Dynamic Range



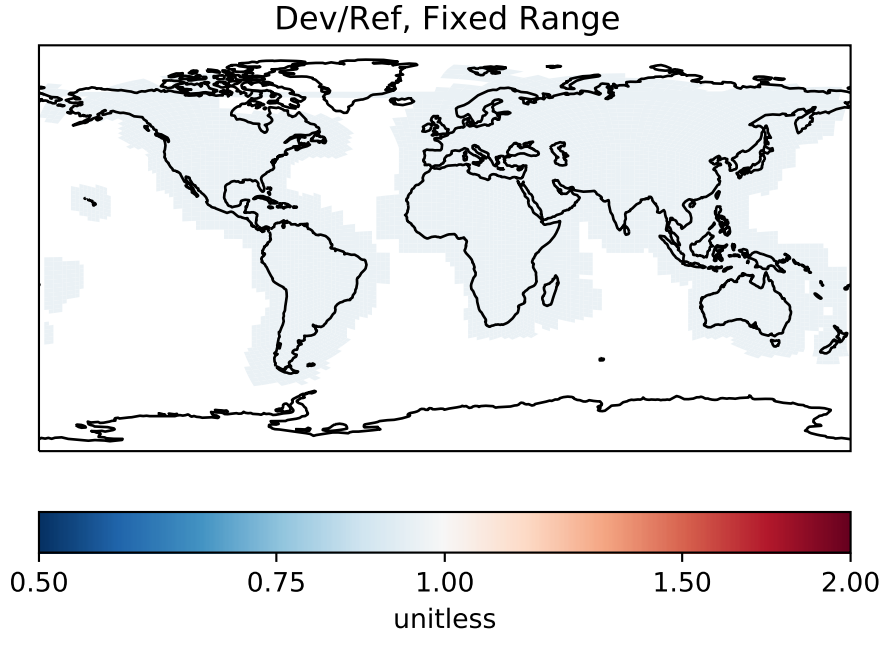
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

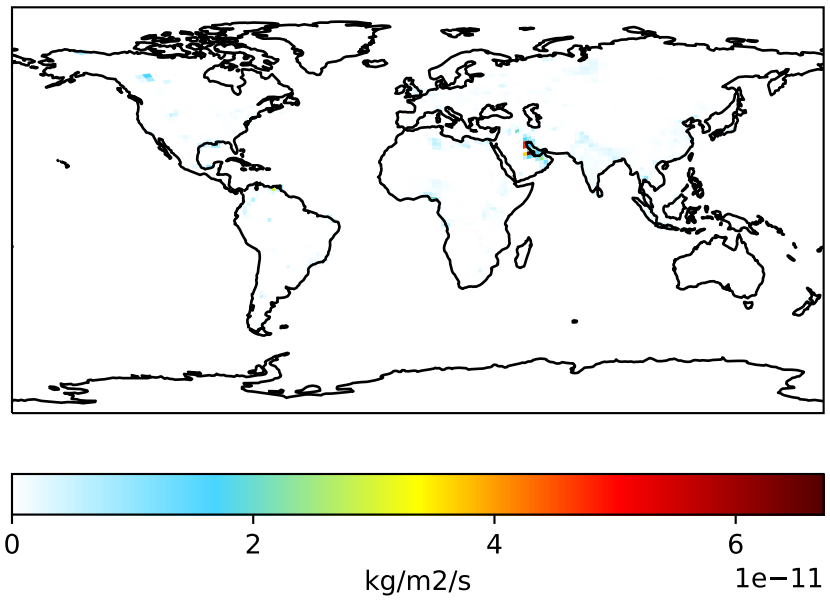


Ratio
Dev/Ref, Fixed Range

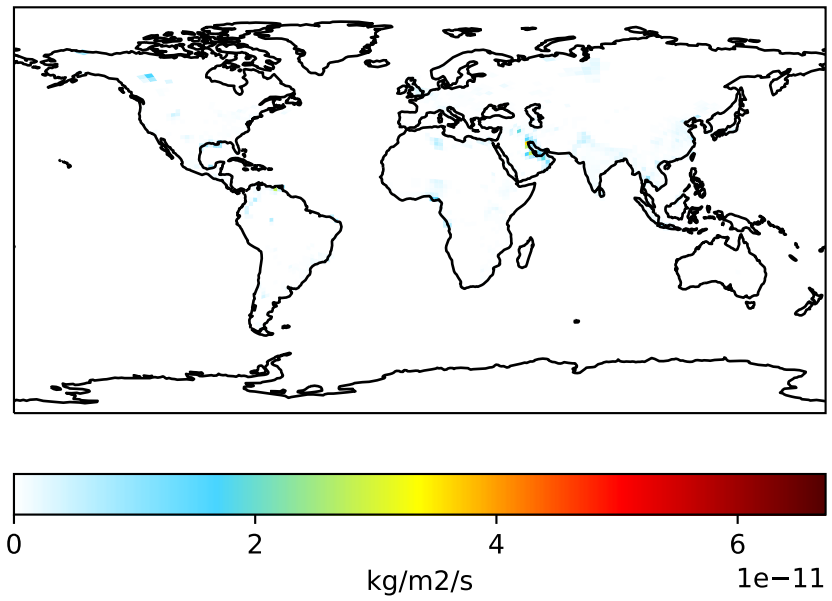


EmisCH2O_Anthro

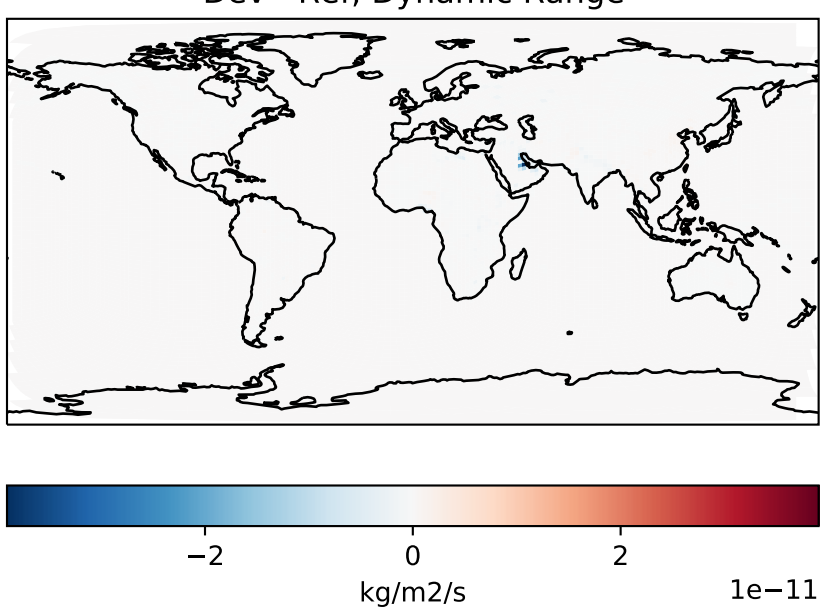
GCHP_13.1.0-beta.1 (Ref)
c48



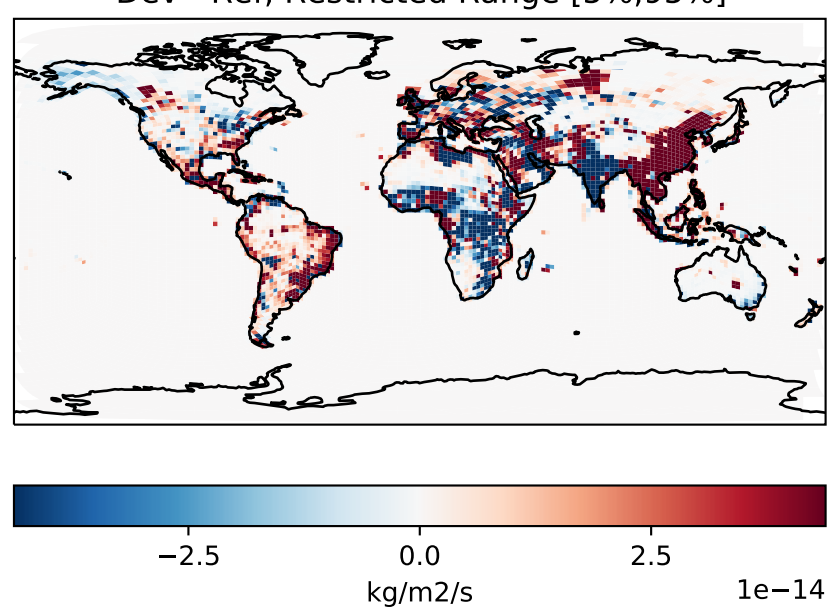
GCHP_13.2.0-beta.0 (Dev)
c48



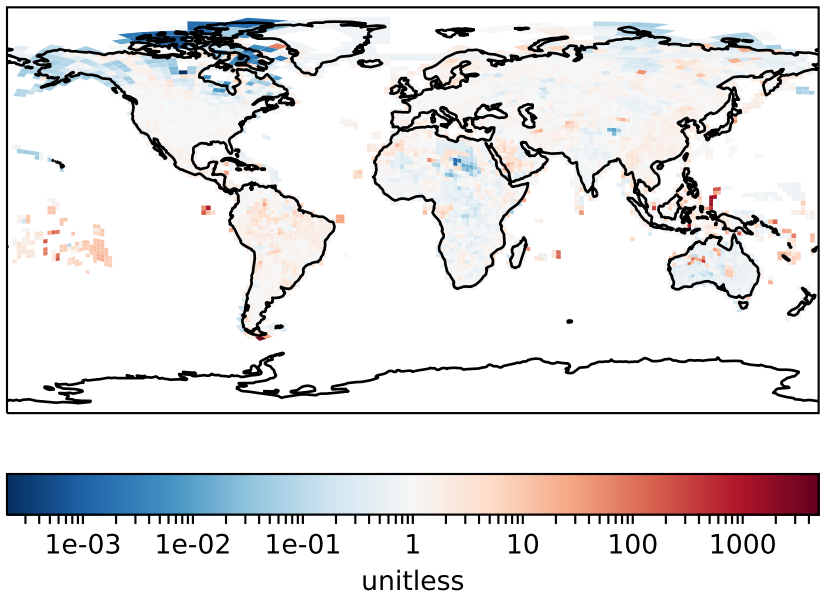
Difference
Dev - Ref, Dynamic Range



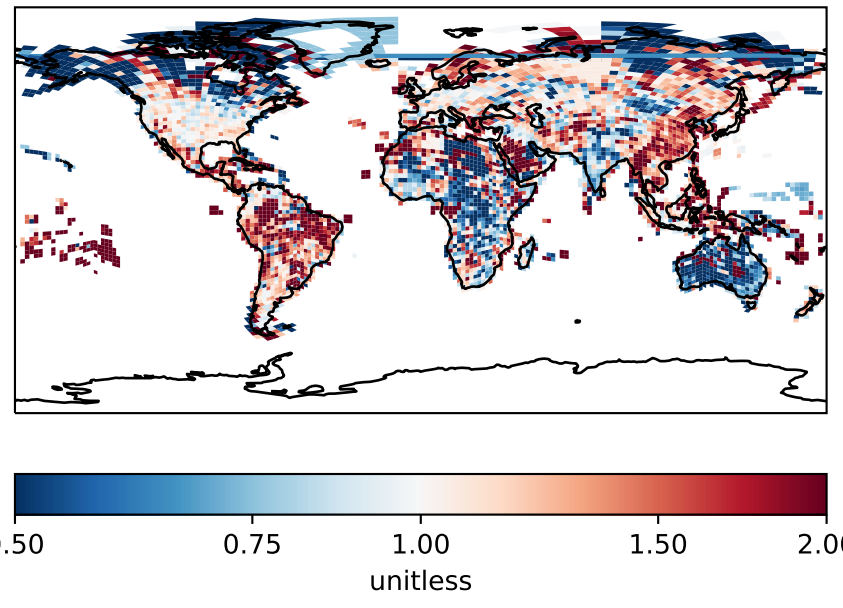
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

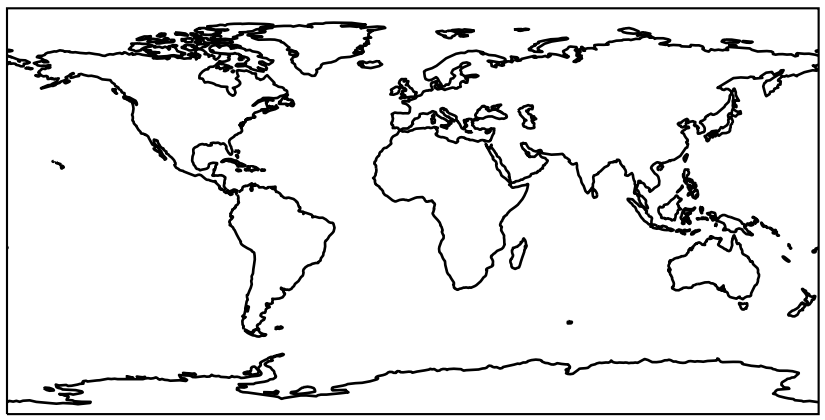


Ratio
Dev/Ref, Fixed Range



EmisCO2_Anthro

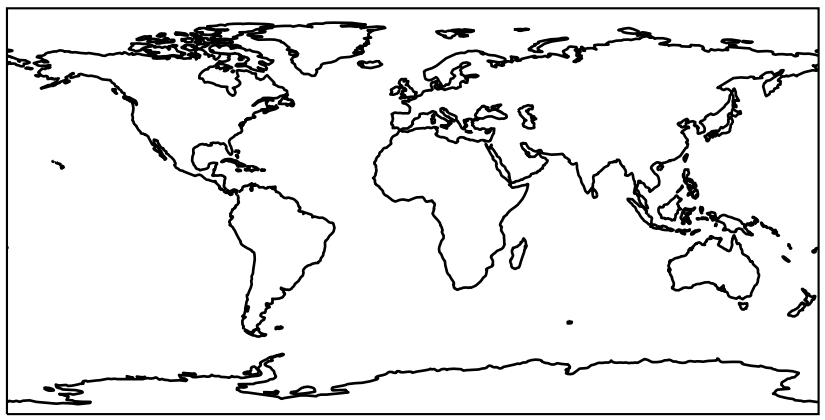
GCHP_13.1.0-beta.1 (Ref)
c48





Zero throughout domain
kg/m2/s

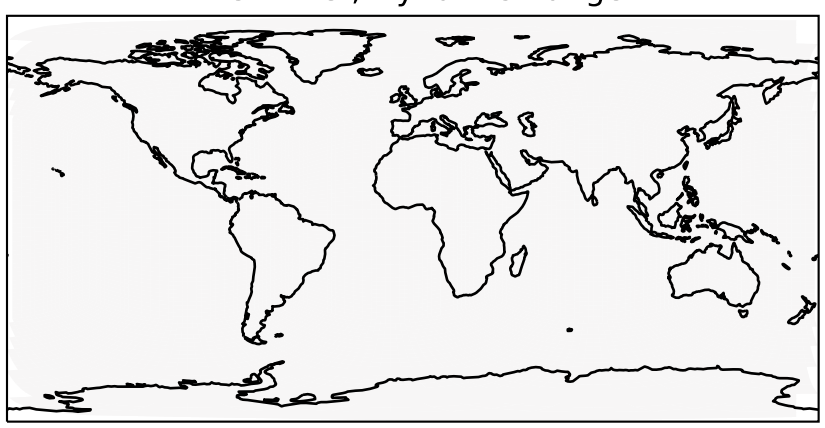
GCHP_13.2.0-beta.0 (Dev)
c48





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kg/m2/s

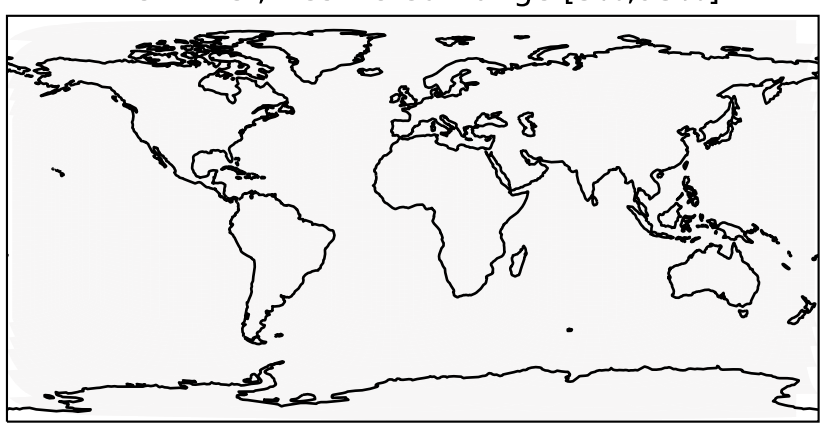
Difference
Dev - Ref, Dynamic Range





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kg/m2/s

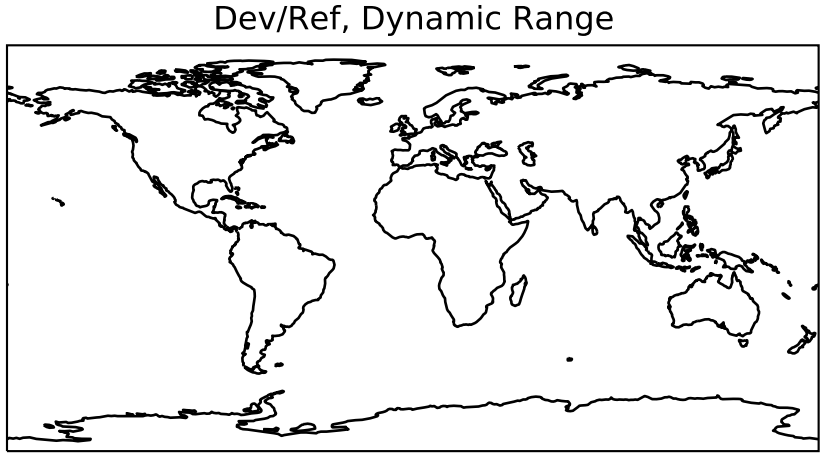
Difference
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

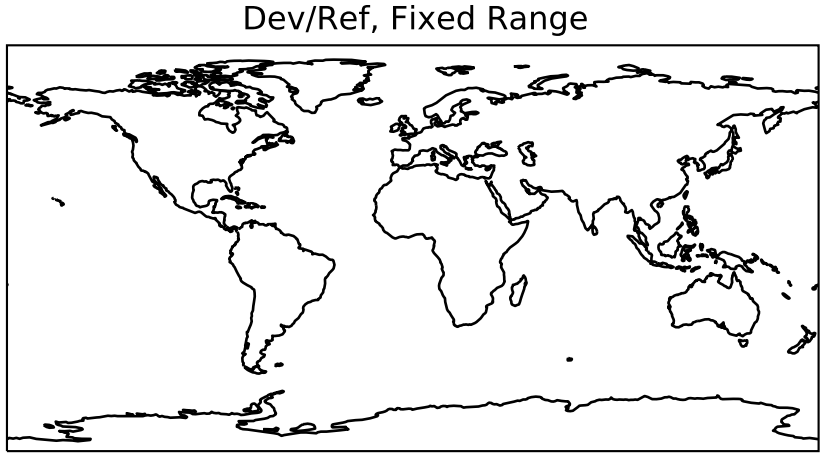
Ratio
Dev/Ref, Dynamic Range





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Ratio
Dev/Ref, Fixed Range

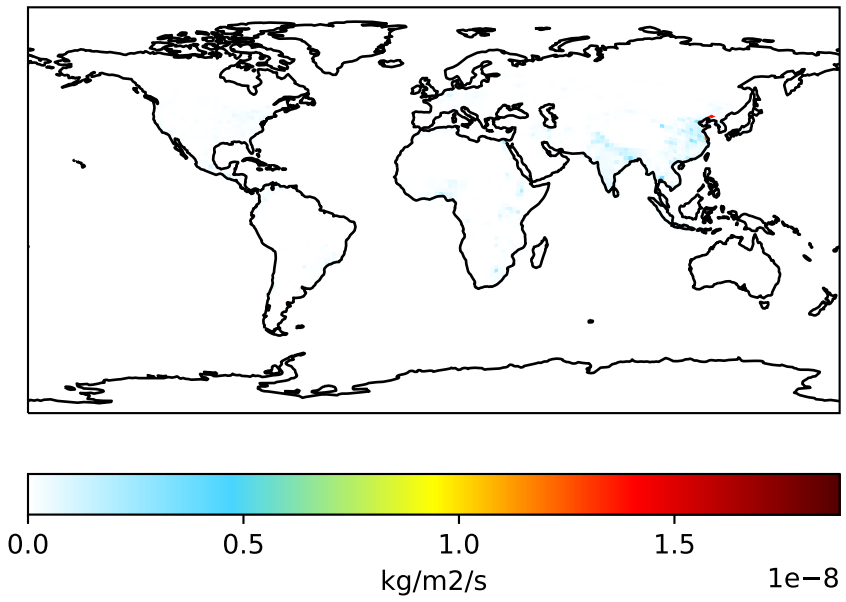




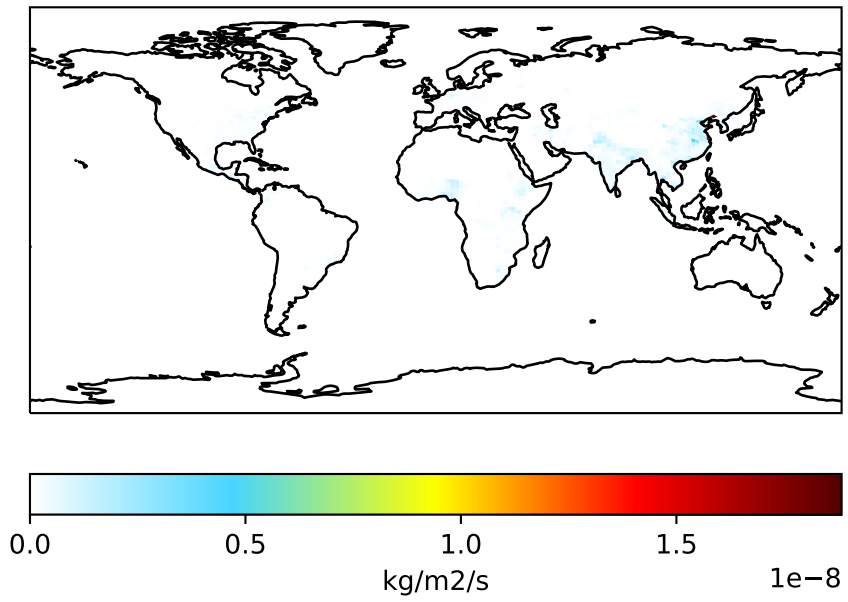
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EmisCO_Anthro

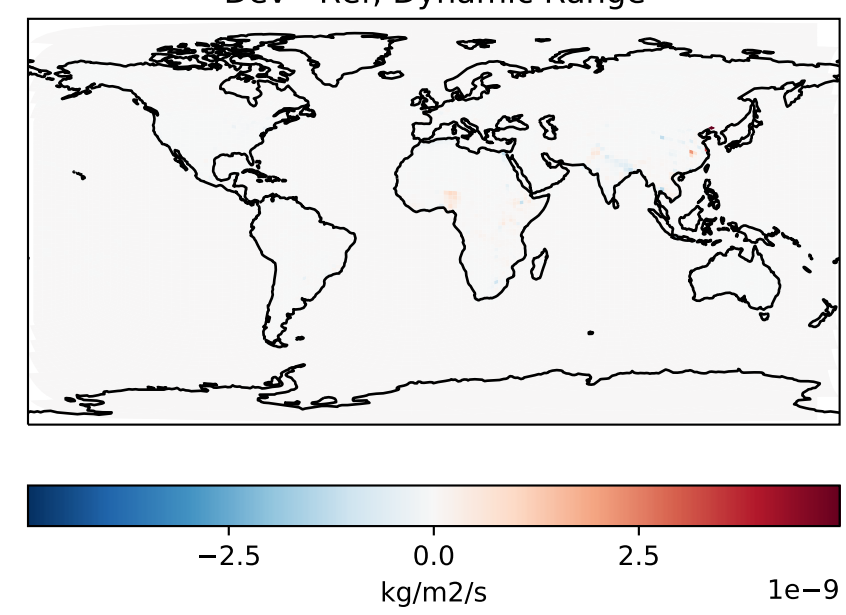
GCHP_13.1.0-beta.1 (Ref)
c48



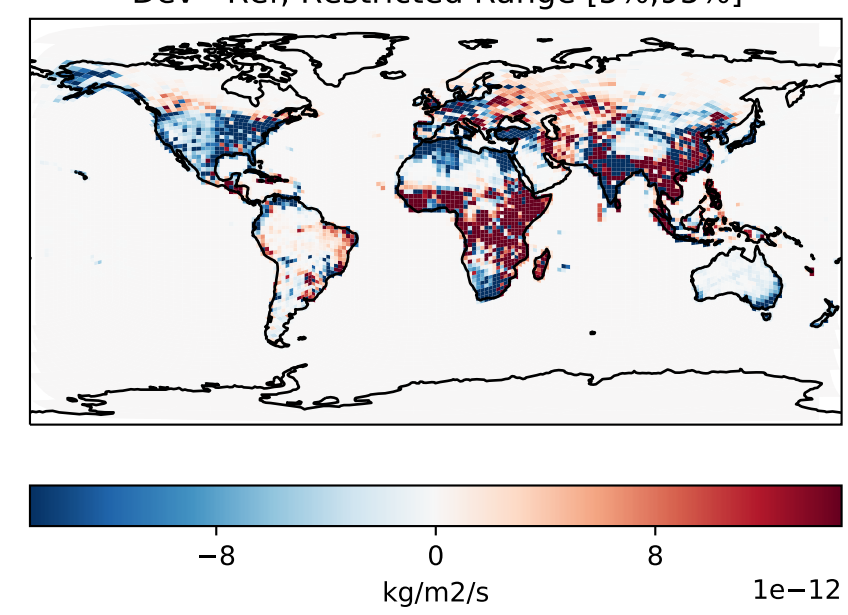
GCHP_13.2.0-beta.0 (Dev)
c48



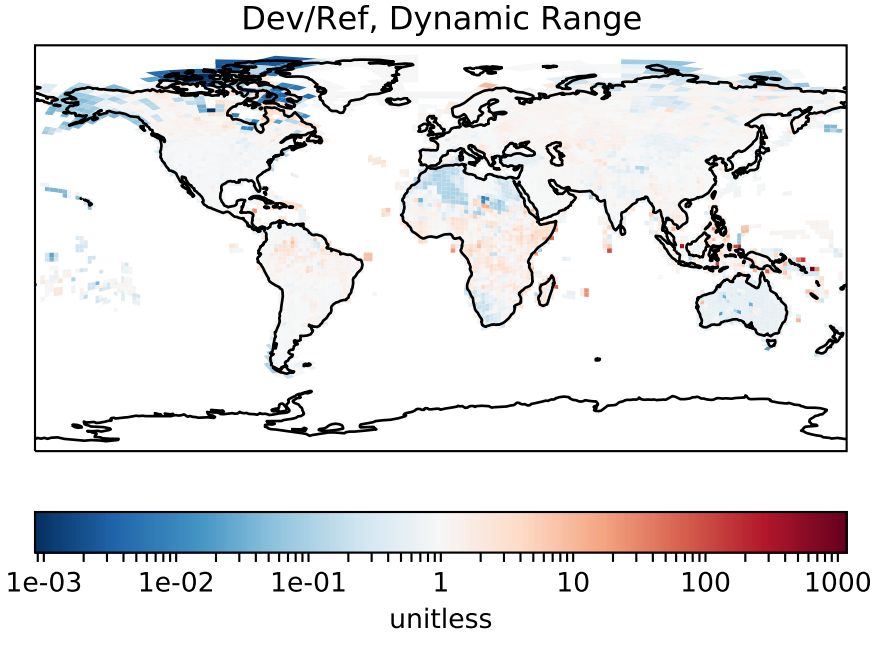
Difference
Dev - Ref, Dynamic Range



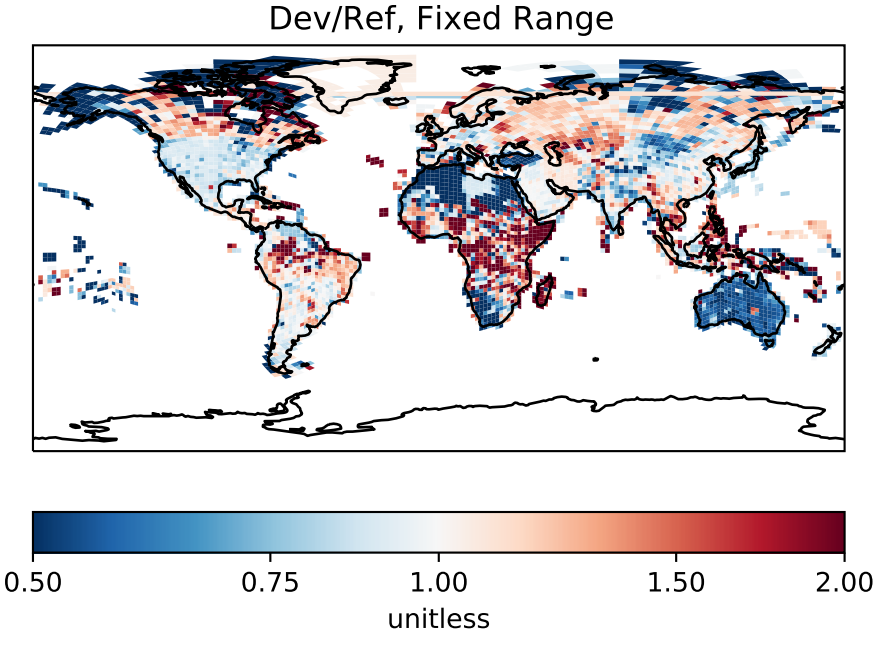
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

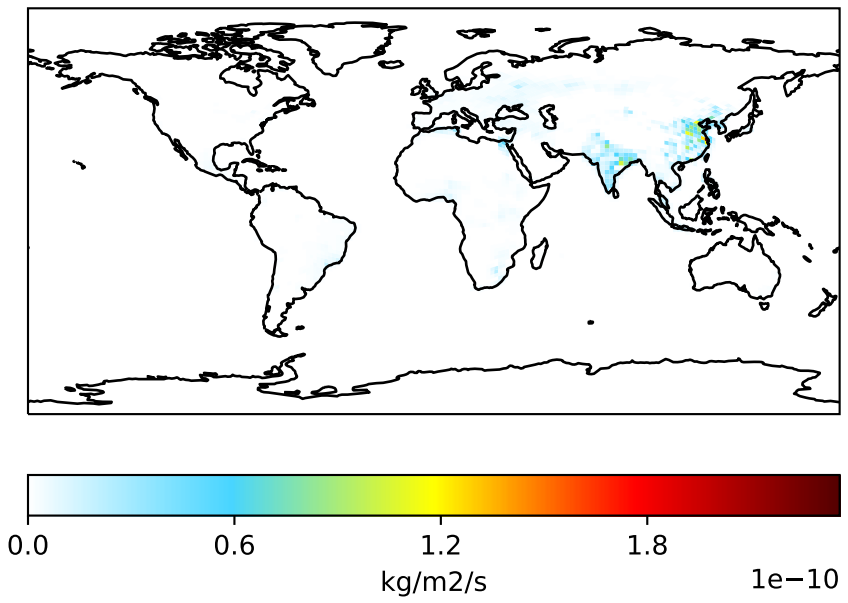


Ratio
Dev/Ref, Fixed Range

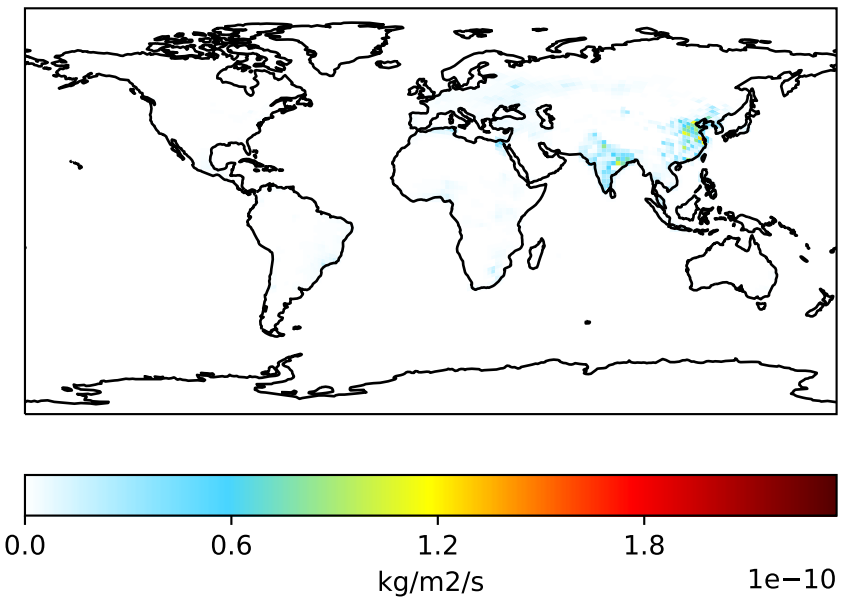


EmisDST1_Anthro

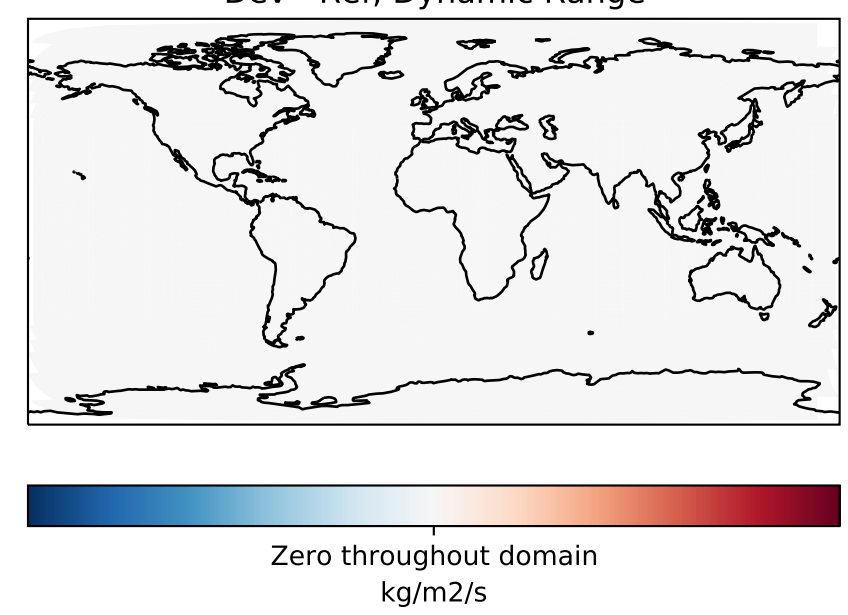
GCHP_13.1.0-beta.1 (Ref)
c48



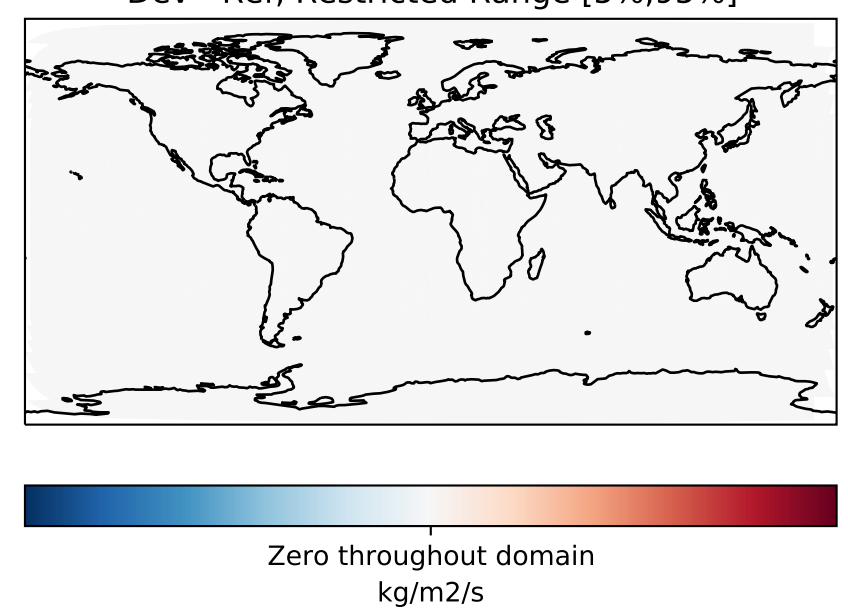
GCHP_13.2.0-beta.0 (Dev)
c48



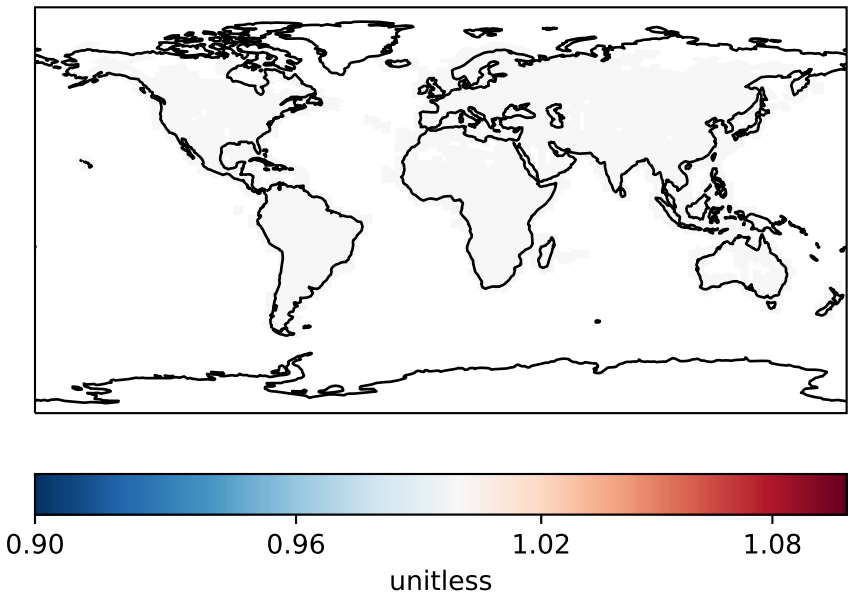
Difference
Dev - Ref, Dynamic Range



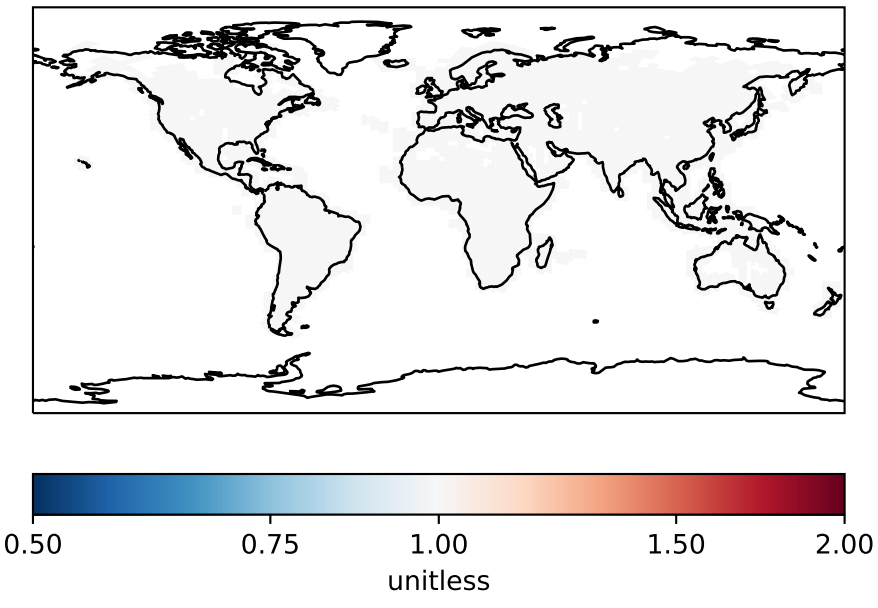
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

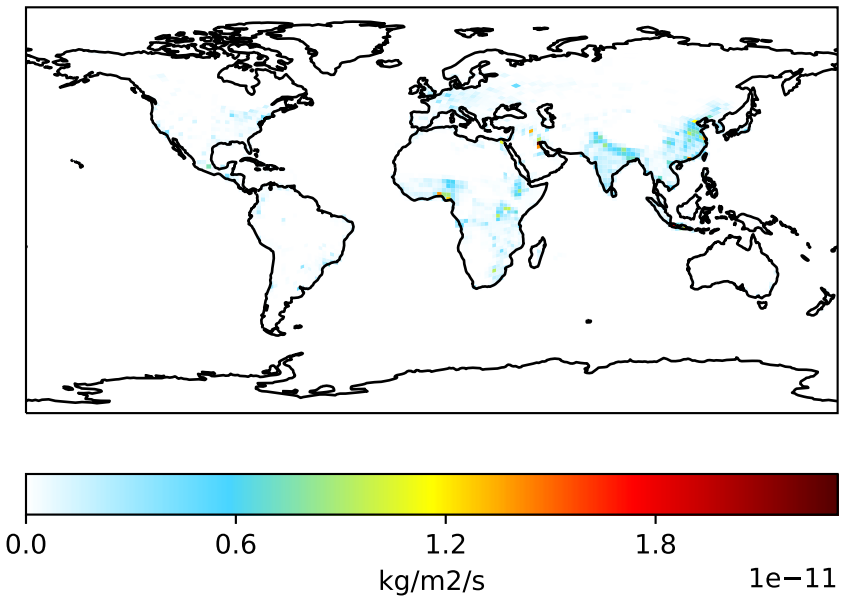


Ratio
Dev/Ref, Fixed Range

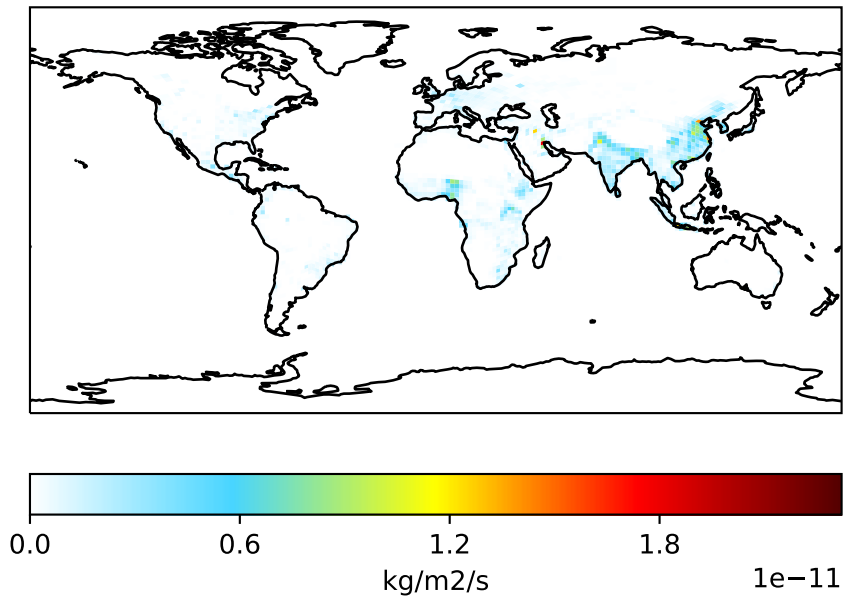


EmisEOH_Anthro

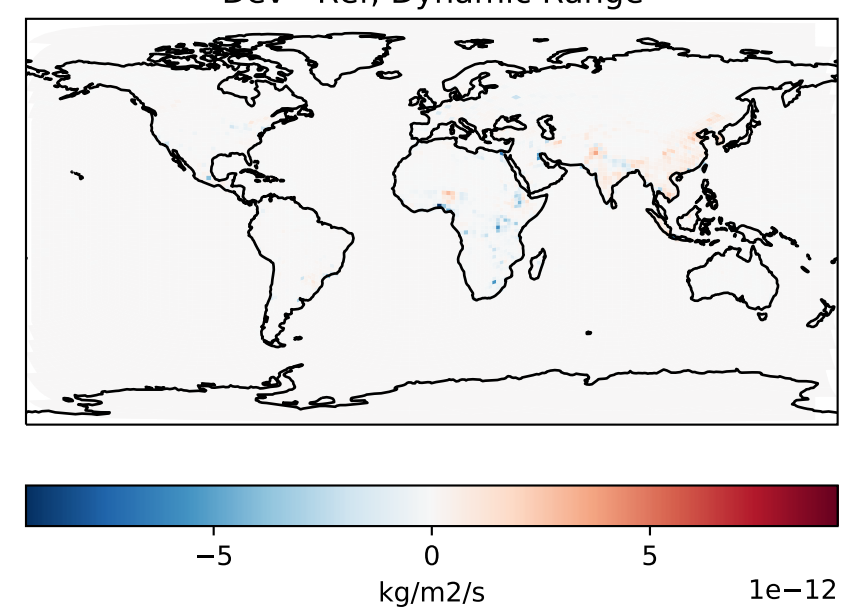
GCHP_13.1.0-beta.1 (Ref)
c48



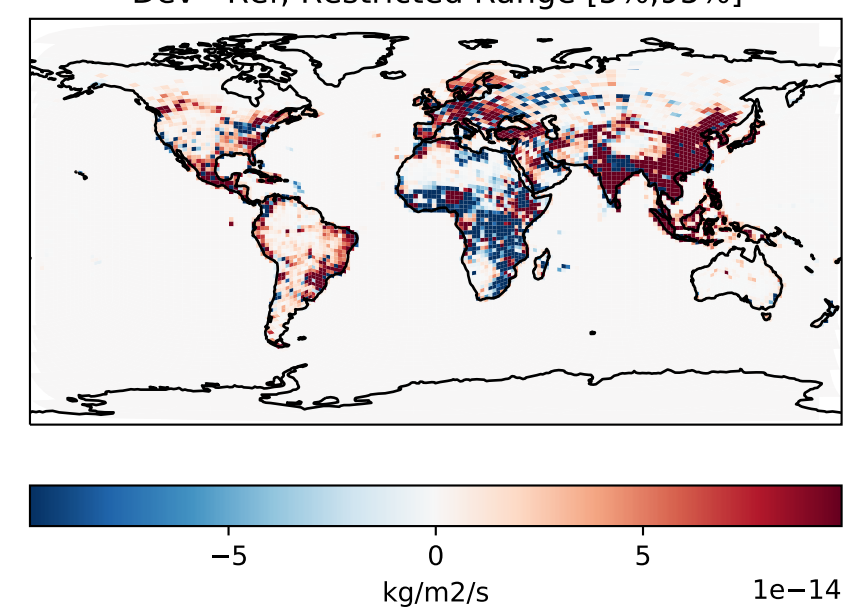
GCHP_13.2.0-beta.0 (Dev)
c48



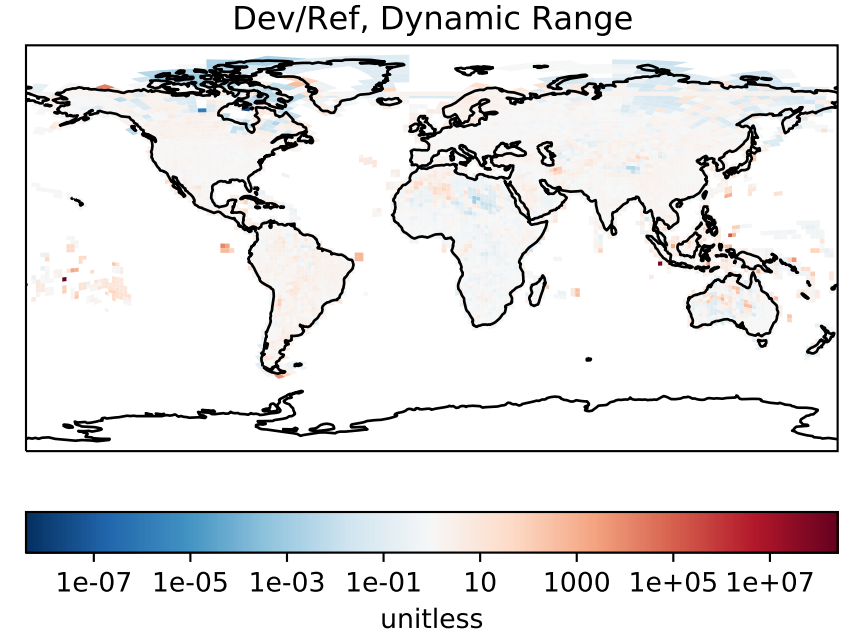
Difference
Dev - Ref, Dynamic Range



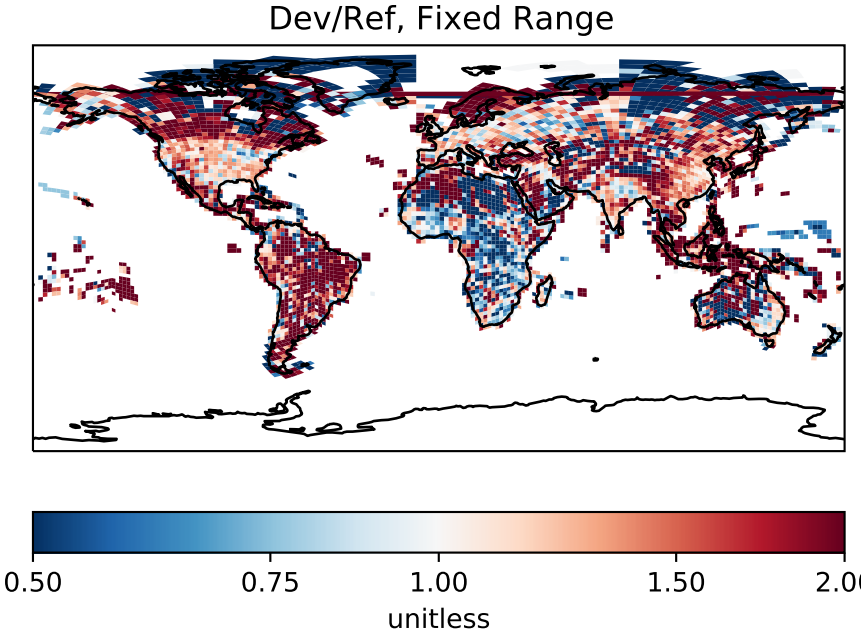
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

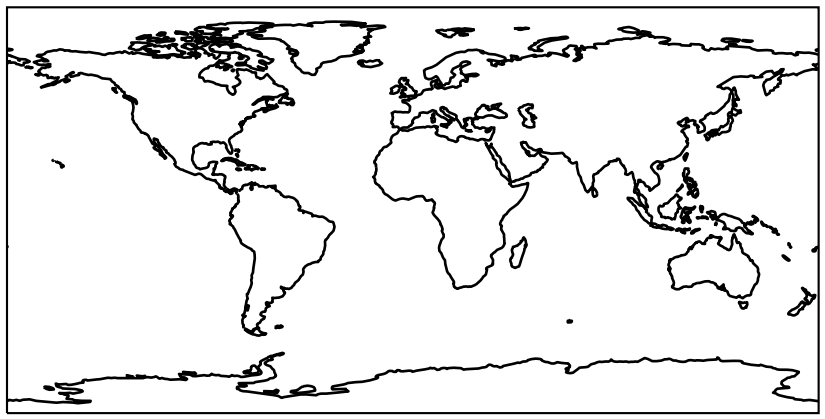


Ratio
Dev/Ref, Fixed Range



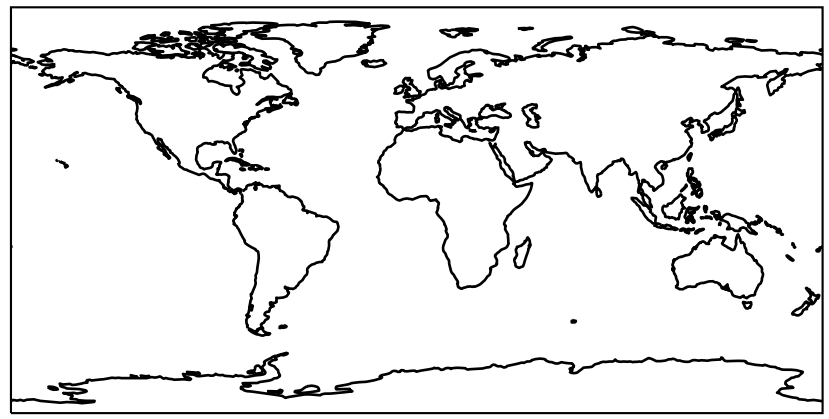
EmisGLYC_Anthro

GCHP_13.1.0-beta.1 (Ref)
c48



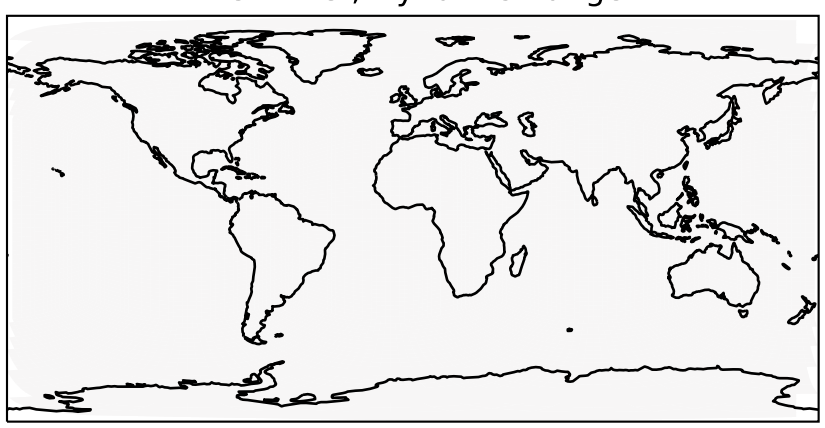
Zero throughout domain
kg/m2/s

GCHP_13.2.0-beta.0 (Dev)
c48



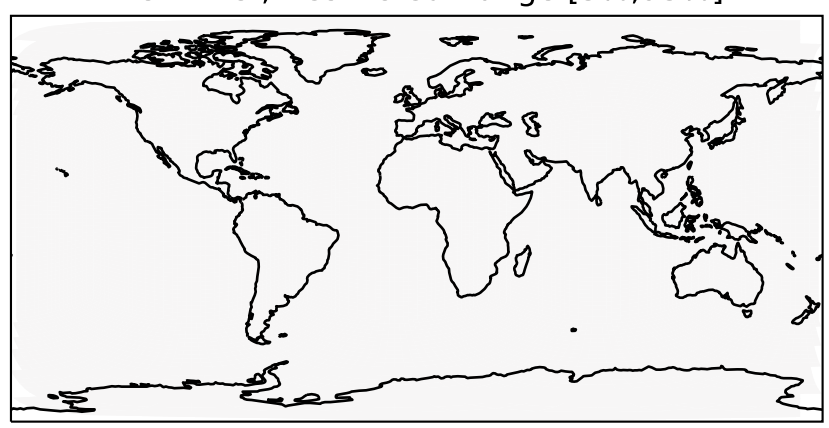
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kg/m2/s

Difference
Dev - Ref, Dynamic Range



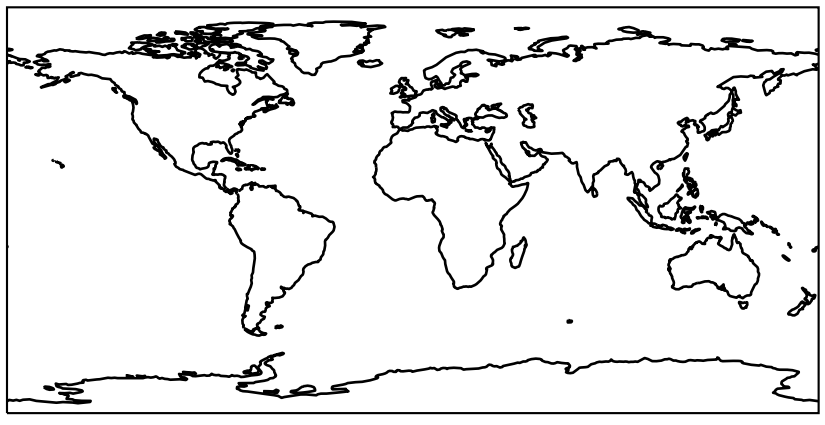
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kg/m2/s

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



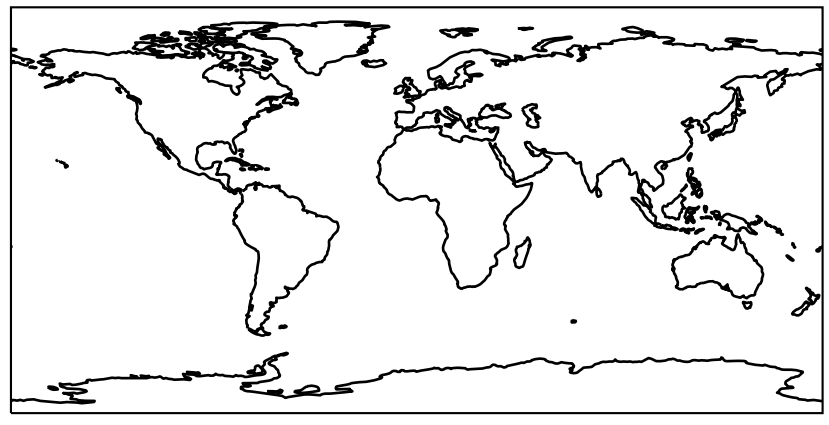
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kg/m2/s

Ratio
Dev/Ref, Dynamic Range



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unitless

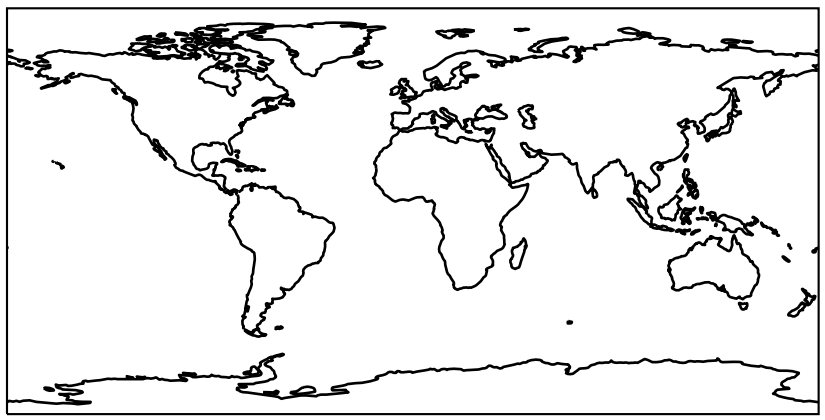
Ratio
Dev/Ref, Fixed Range



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EmisHAC_Anthro

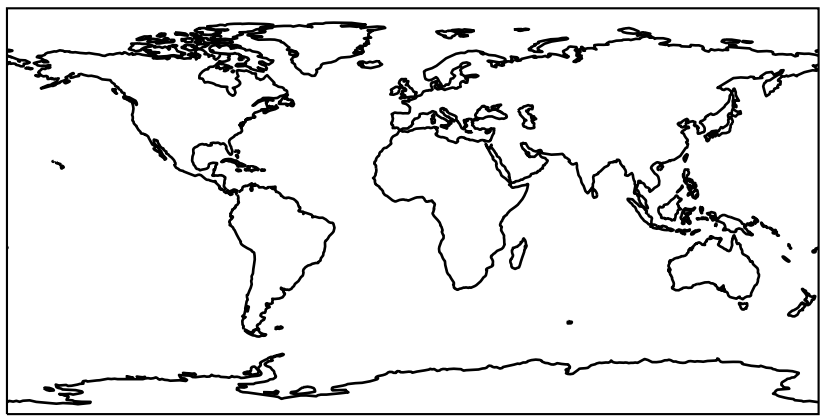
GCHP_13.1.0-beta.1 (Ref)
c48





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kg/m2/s

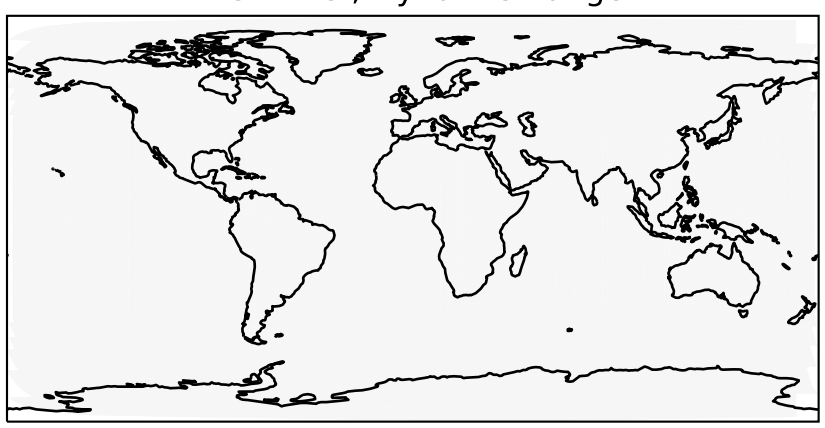
GCHP_13.2.0-beta.0 (Dev)
c48





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kg/m2/s

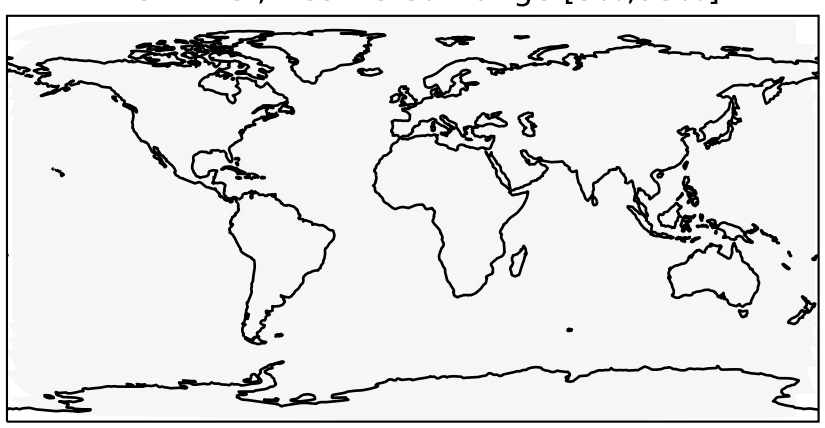
Difference
Dev - Ref, Dynamic Range





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kg/m2/s

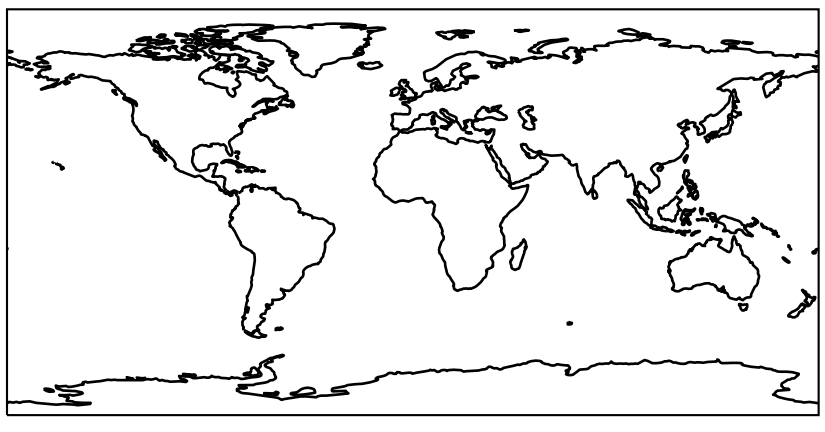
Difference
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

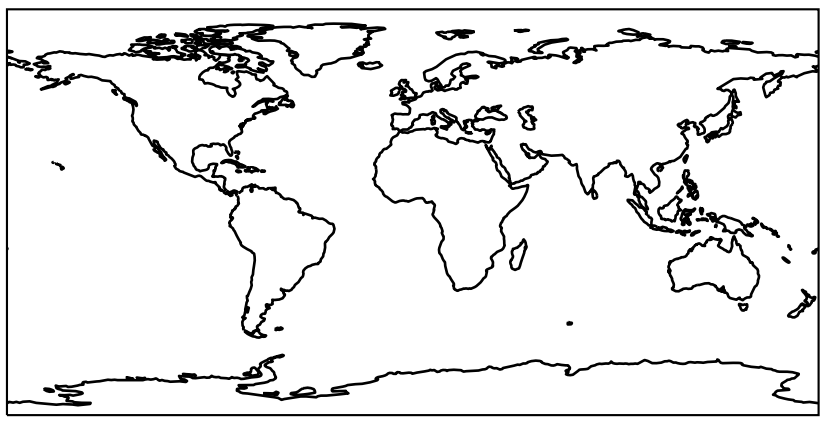
Ratio
Dev/Ref, Dynamic Range





Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

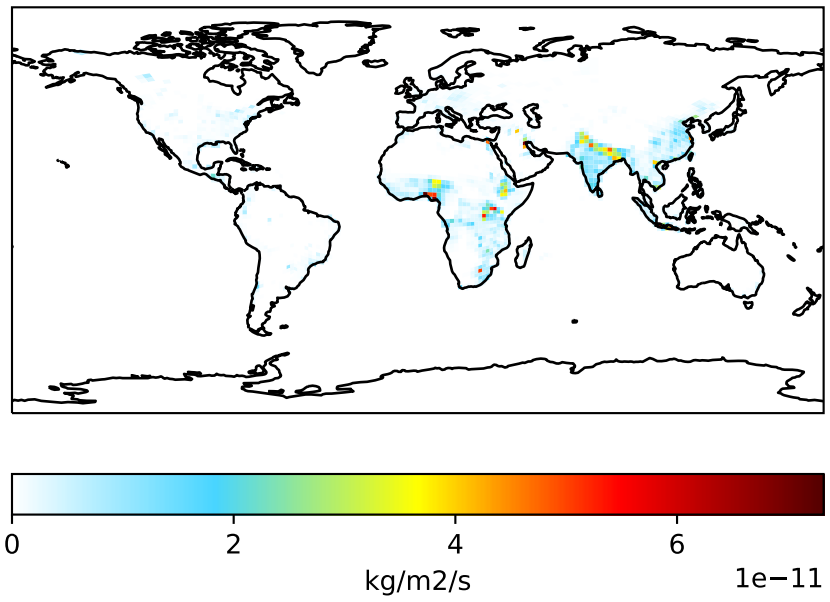




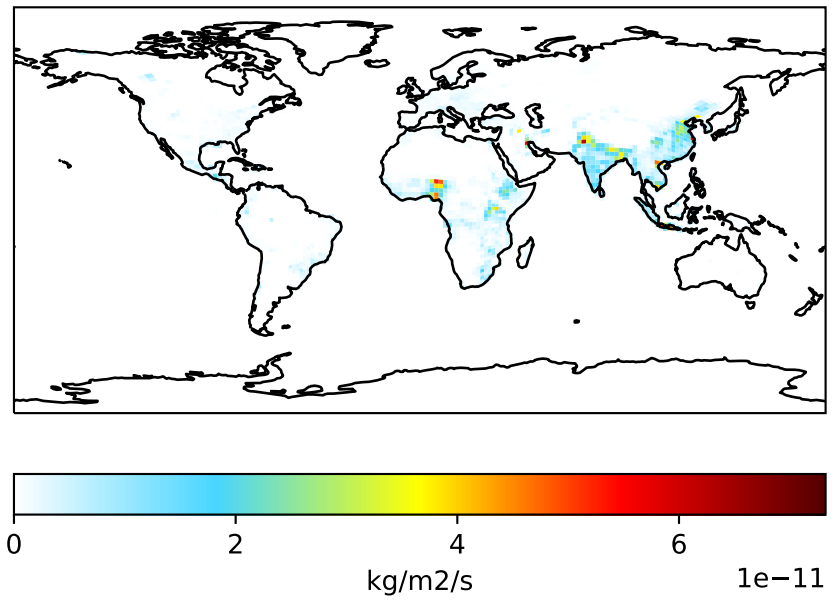
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EmisHCOOH_Anthro

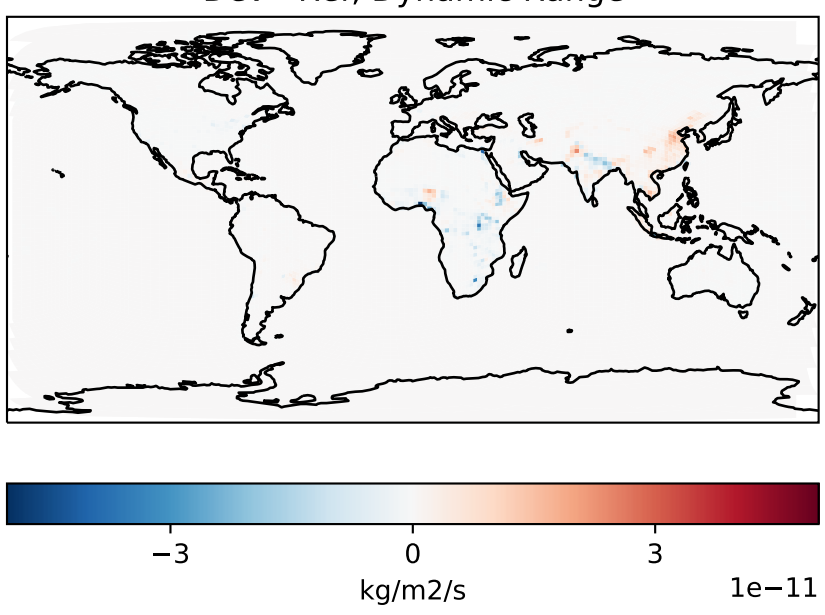
GCHP_13.1.0-beta.1 (Ref)
c48



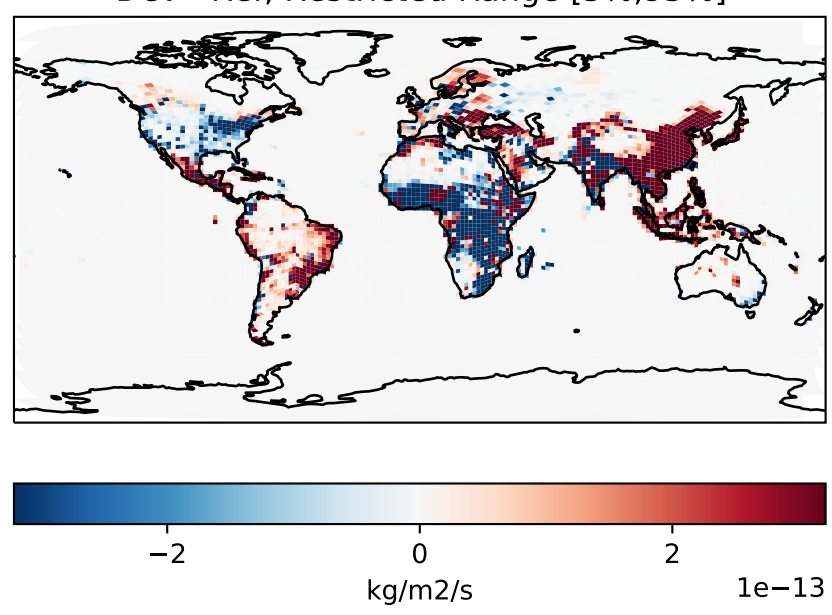
GCHP_13.2.0-beta.0 (Dev)
c48



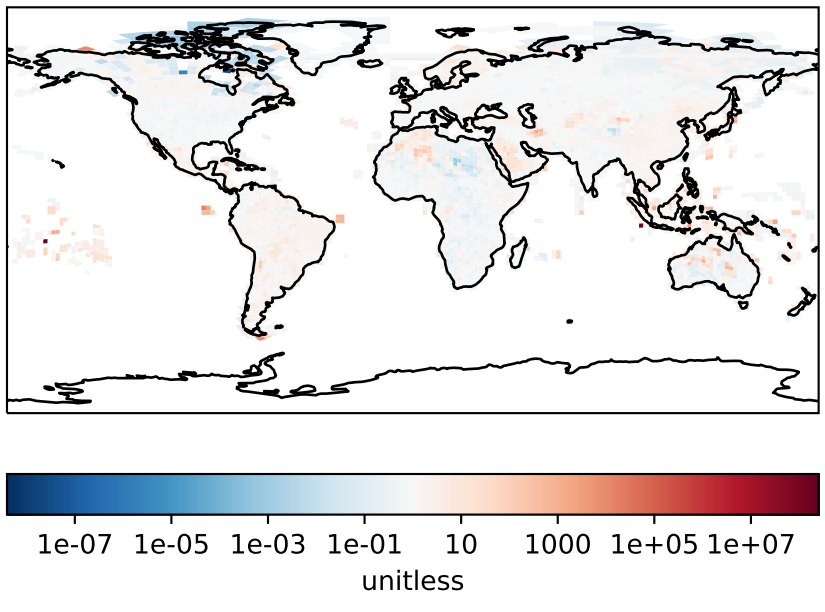
Difference
Dev - Ref, Dynamic Range



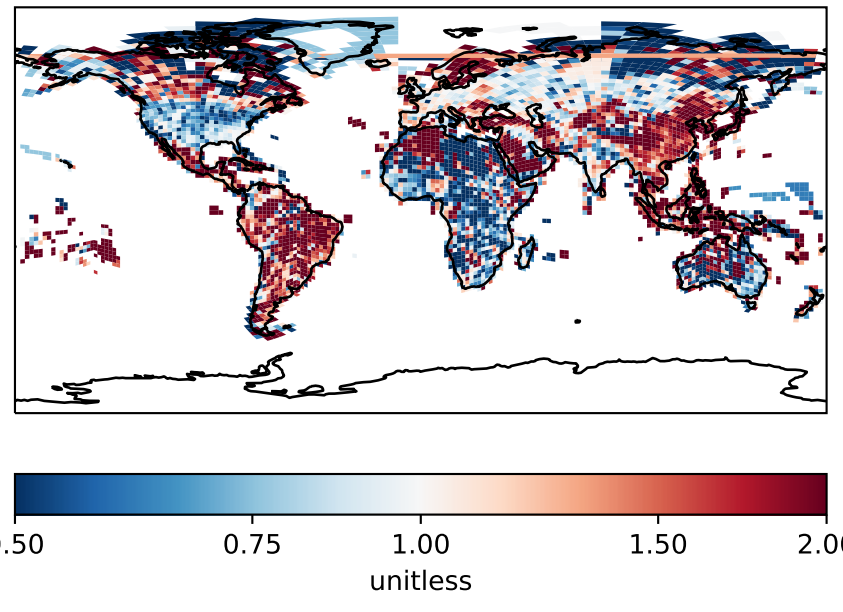
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

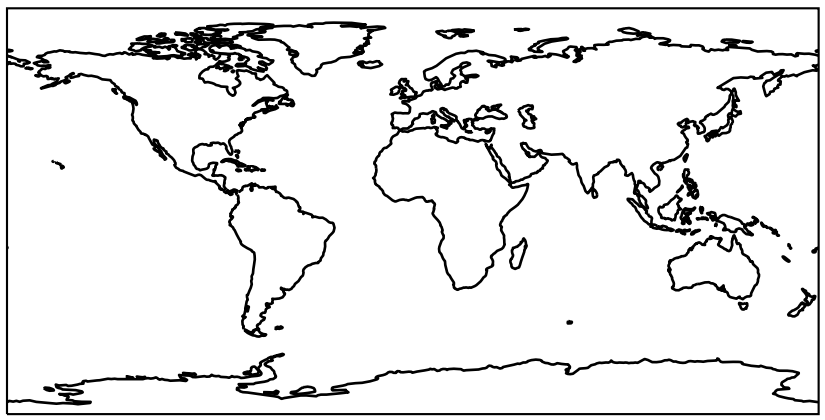


Ratio
Dev/Ref, Fixed Range



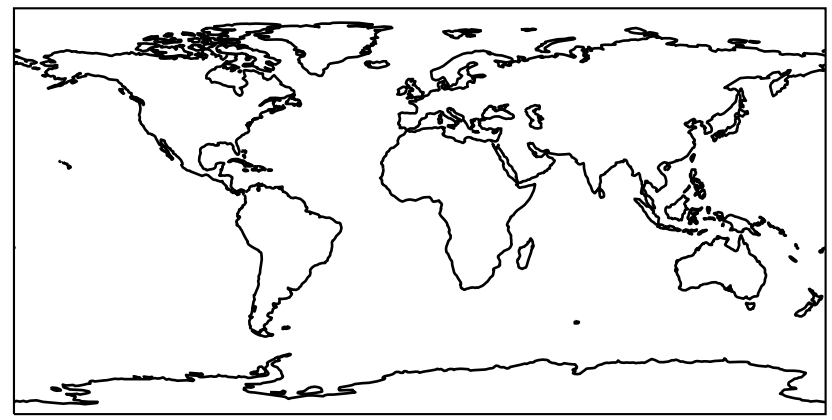
EmisHNO2_Anthro

GCHP_13.1.0-beta.1 (Ref)
c48



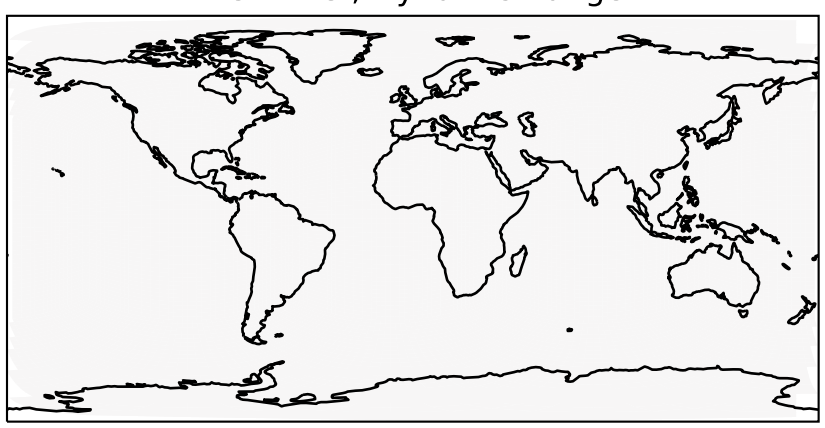
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kg/m2/s

GCHP_13.2.0-beta.0 (Dev)
c48



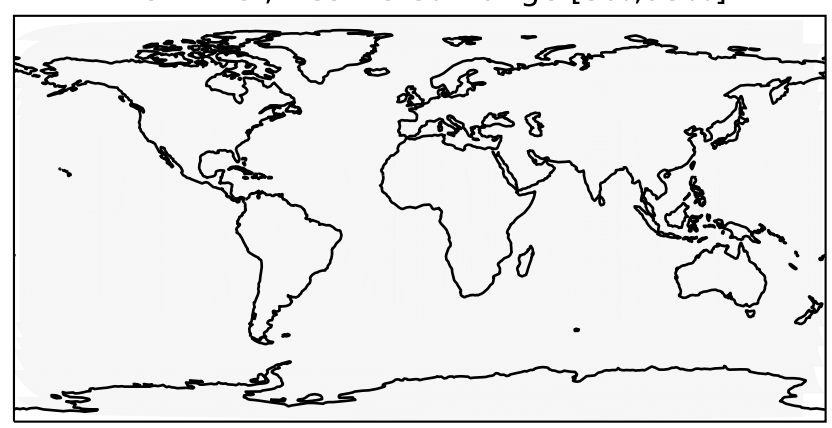
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kg/m2/s

Difference
Dev - Ref, Dynamic Range



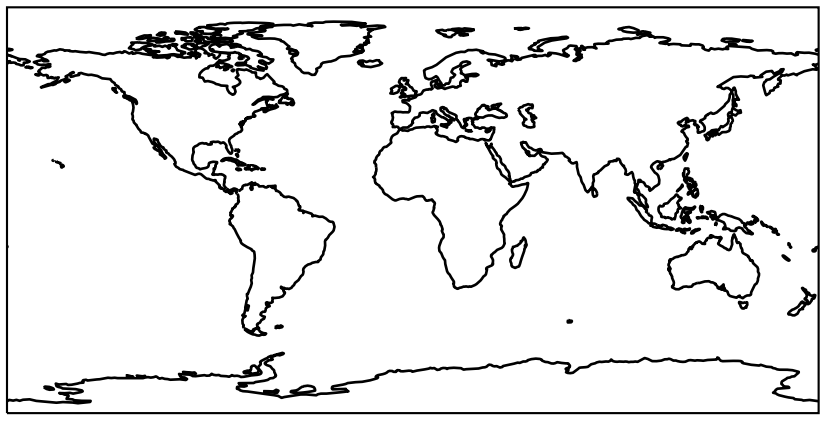
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kg/m2/s

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



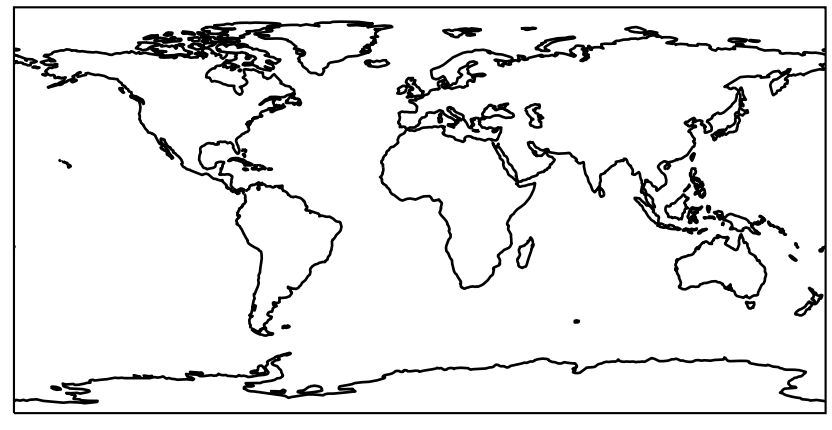
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



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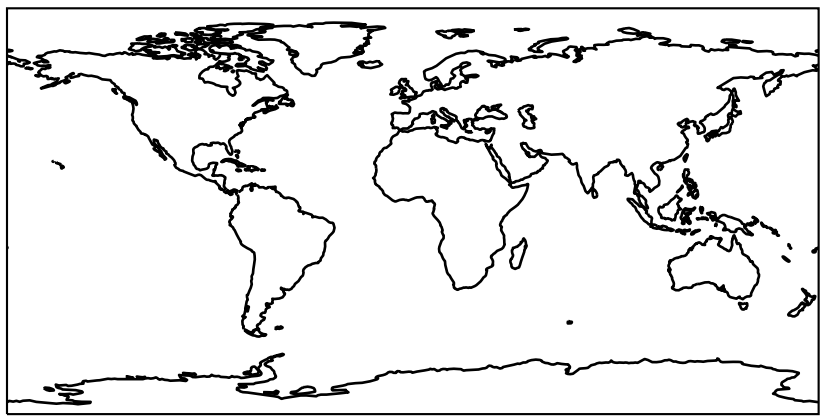
Ratio
Dev/Ref, Fixed Range



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EmisISOP_Anthro

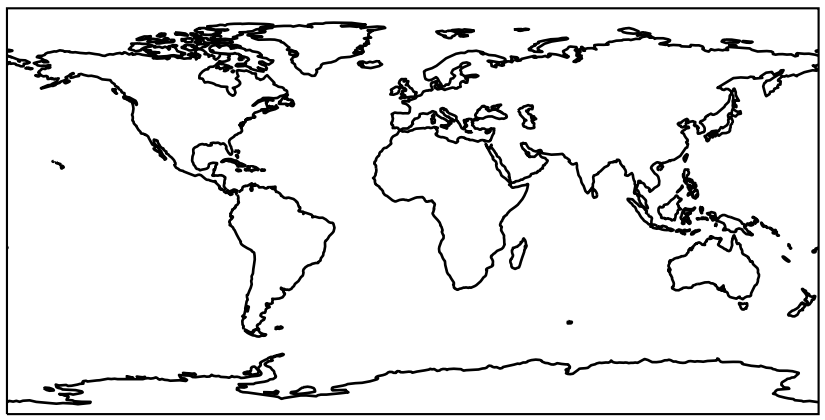
GCHP_13.1.0-beta.1 (Ref)
c48





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kg/m2/s

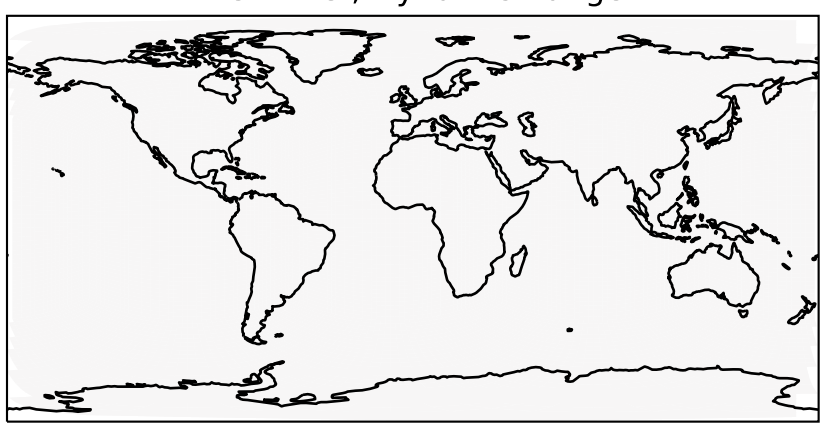
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c48





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kg/m2/s

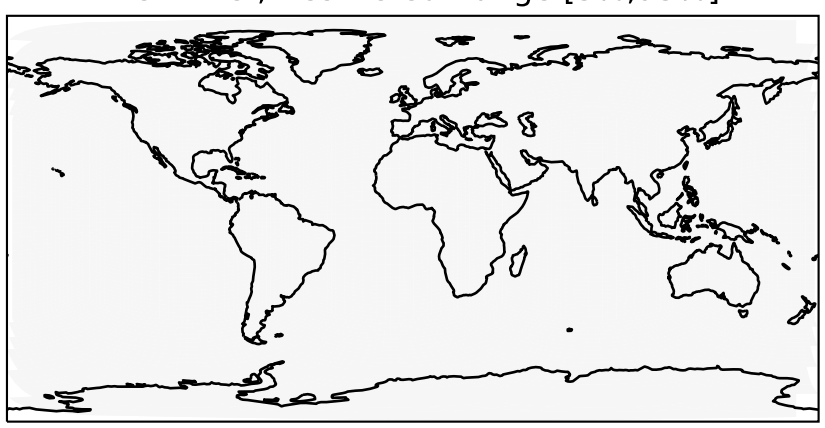
Difference
Dev - Ref, Dynamic Range





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kg/m2/s

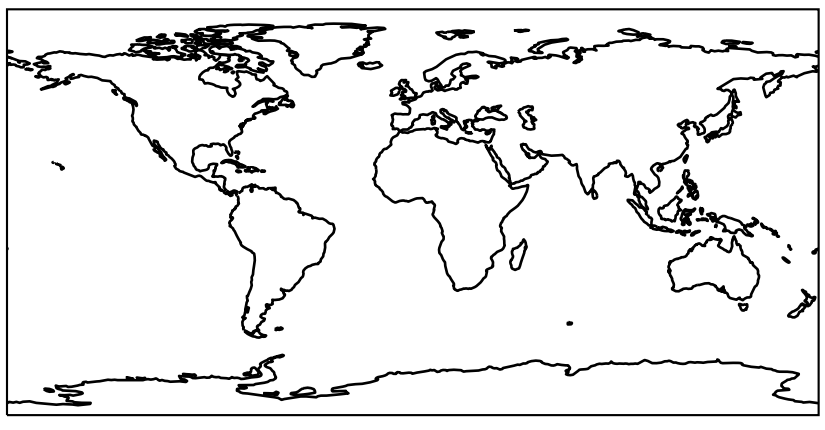
Difference
Dev - Ref, Restricted Range [5%,95%]





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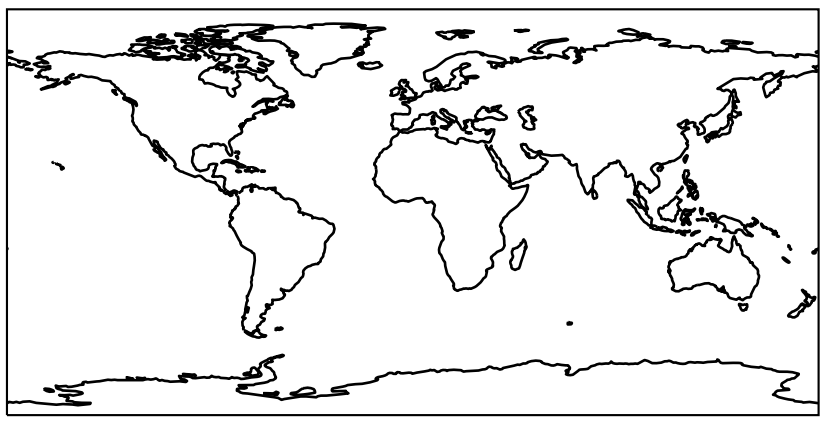
Ratio
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Ratio
Dev/Ref, Fixed Range

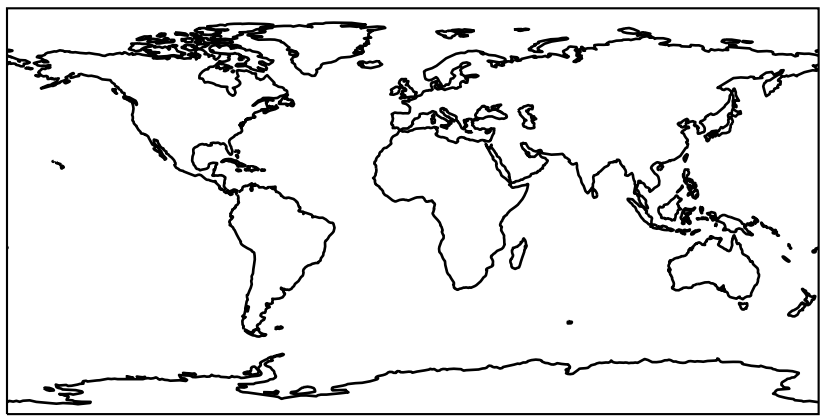




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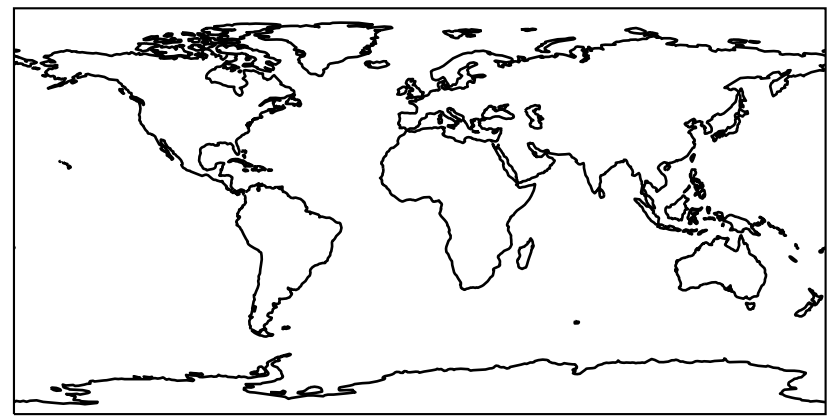
EmisMACR_Anthro

GCHP_13.1.0-beta.1 (Ref)
c48



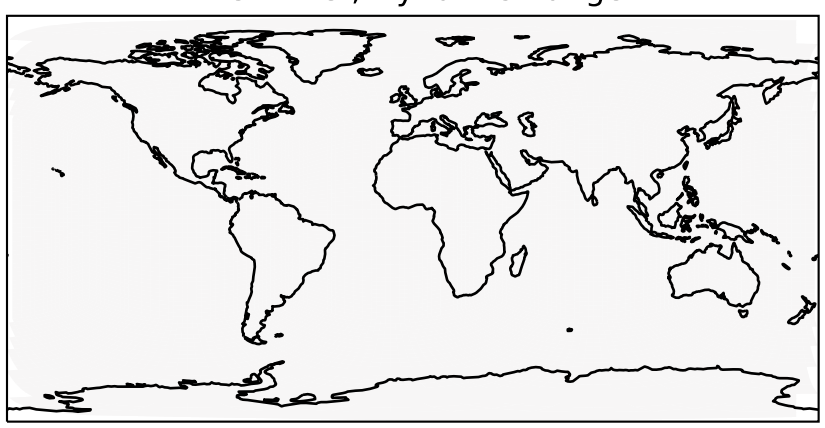
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GCHP_13.2.0-beta.0 (Dev)
c48



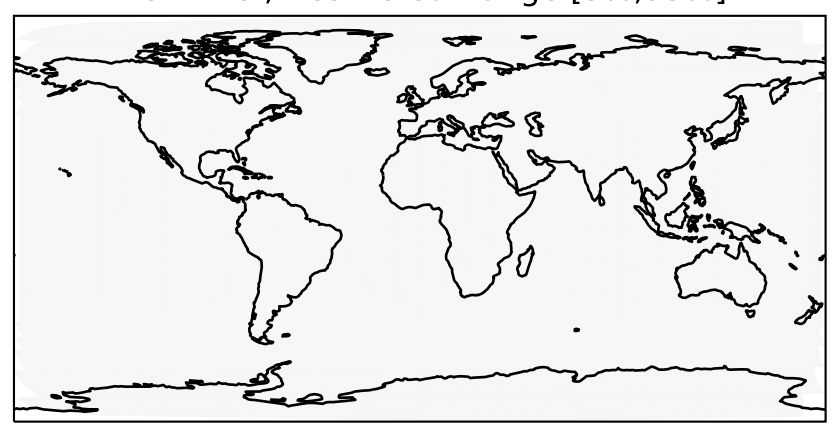
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Difference
Dev - Ref, Dynamic Range



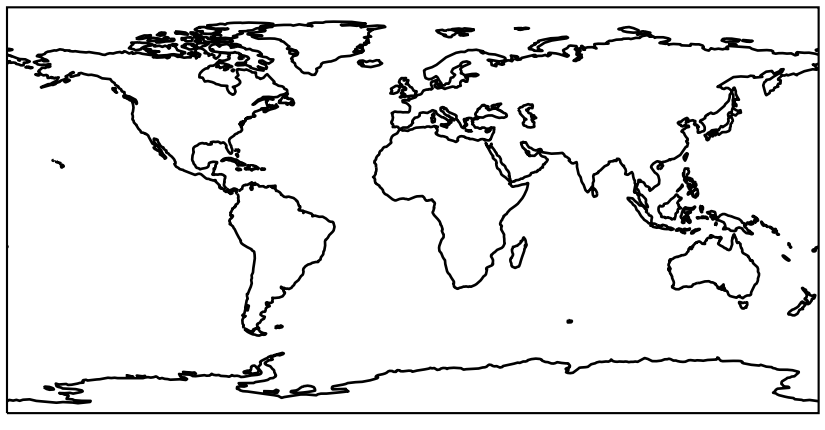
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kg/m2/s

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



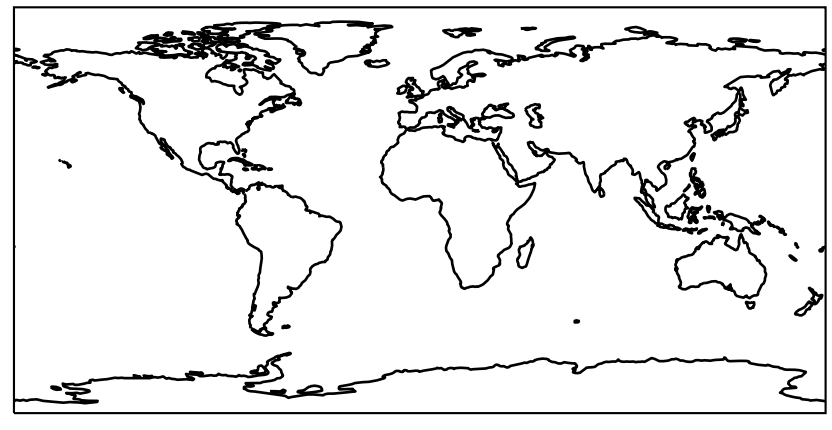
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kg/m2/s

Ratio
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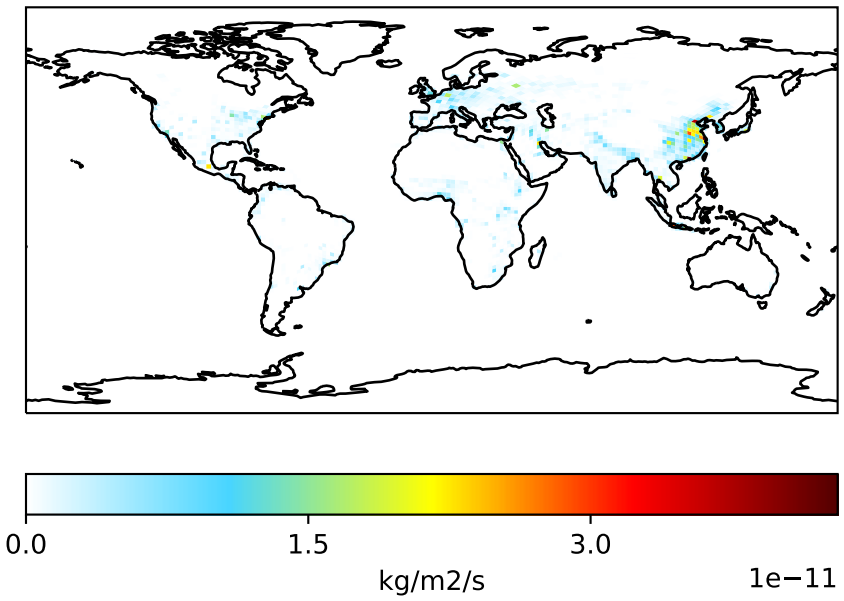
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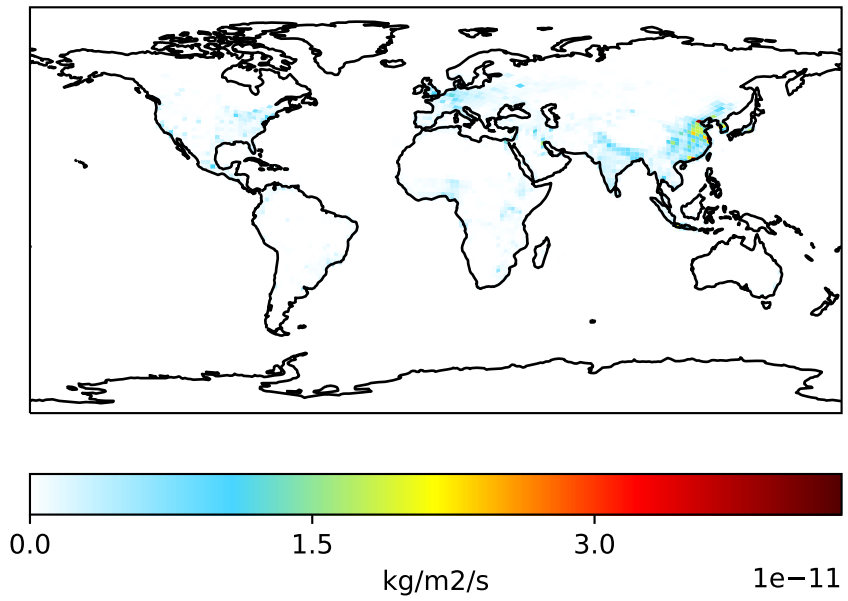
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EmisMEK_Anthro

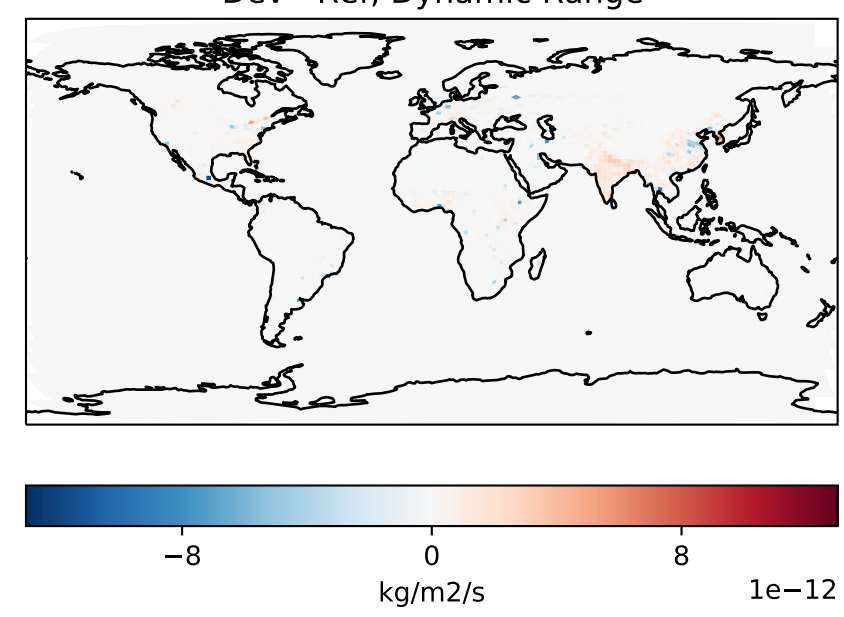
GCHP_13.1.0-beta.1 (Ref)
c48



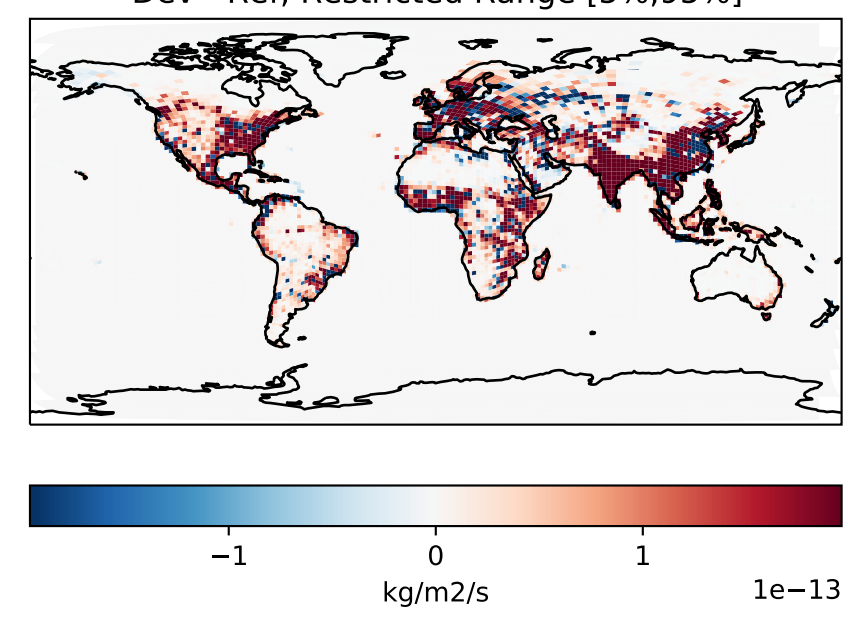
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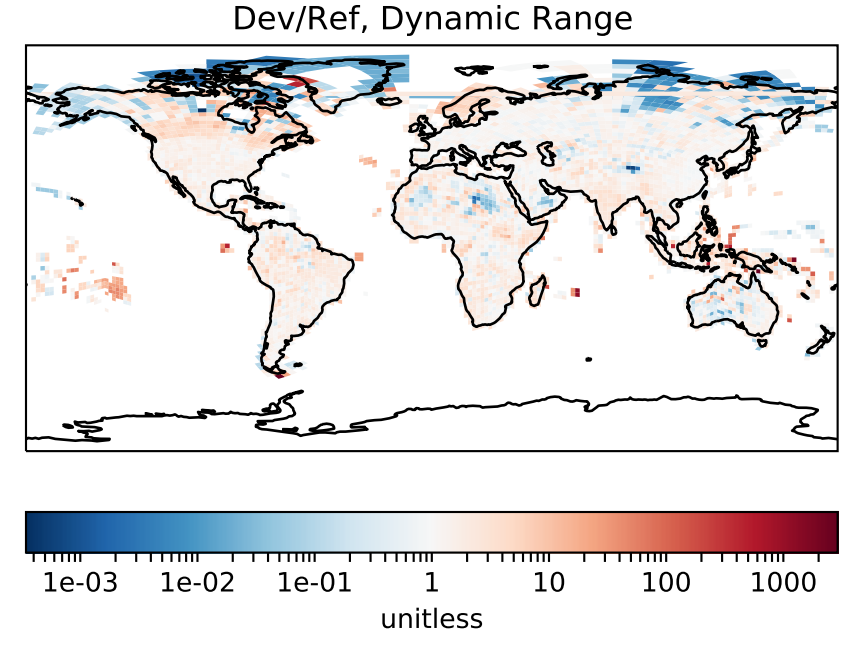
Difference
Dev - Ref, Dynamic Range



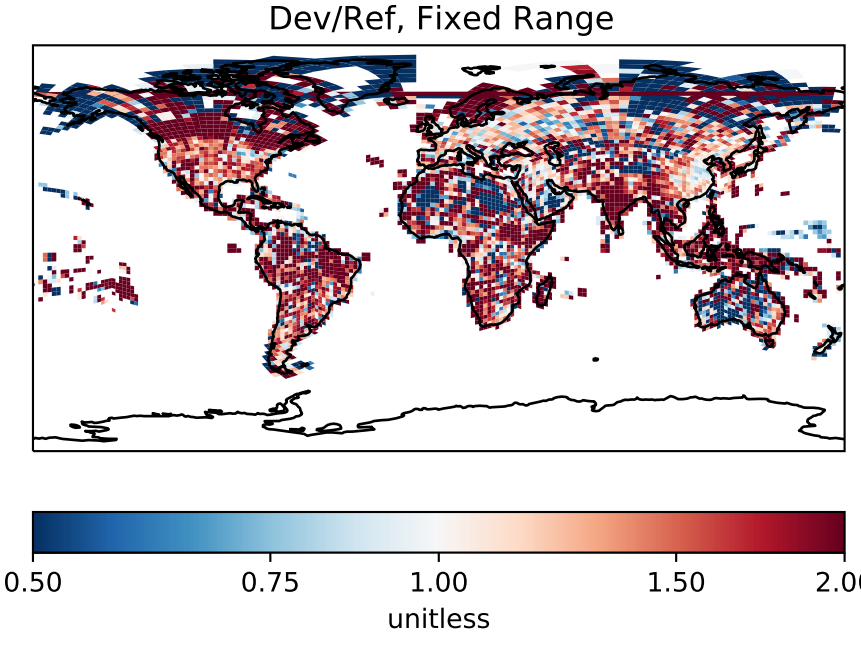
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

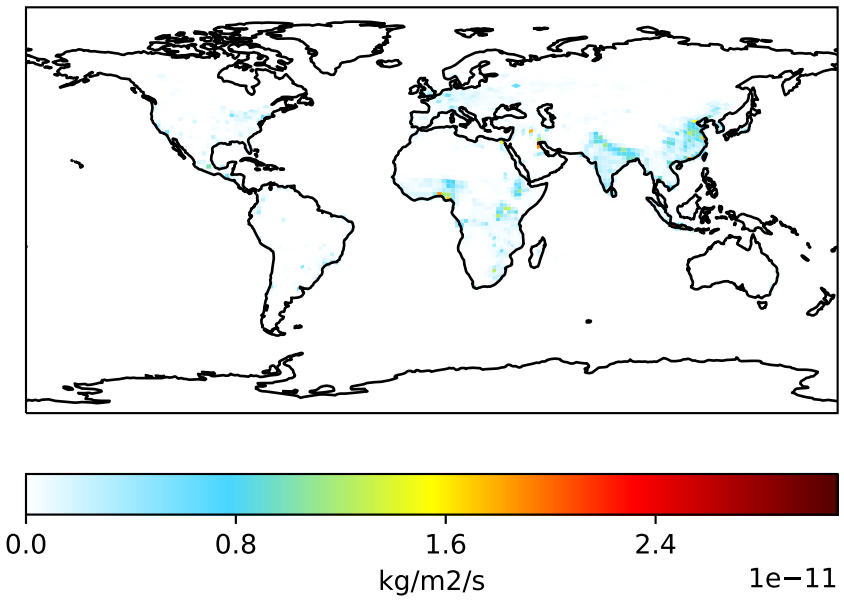


Ratio
Dev/Ref, Fixed Range

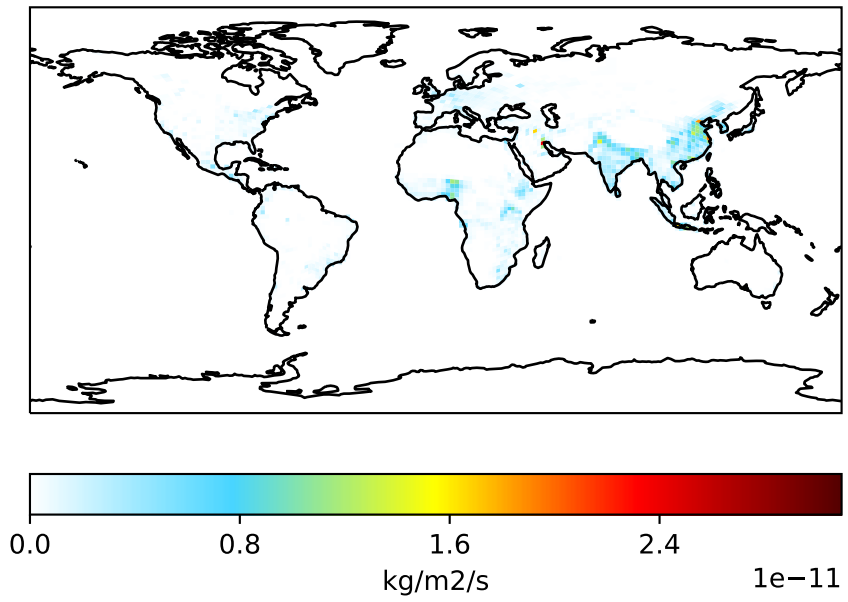


EmisMOH_Anthro

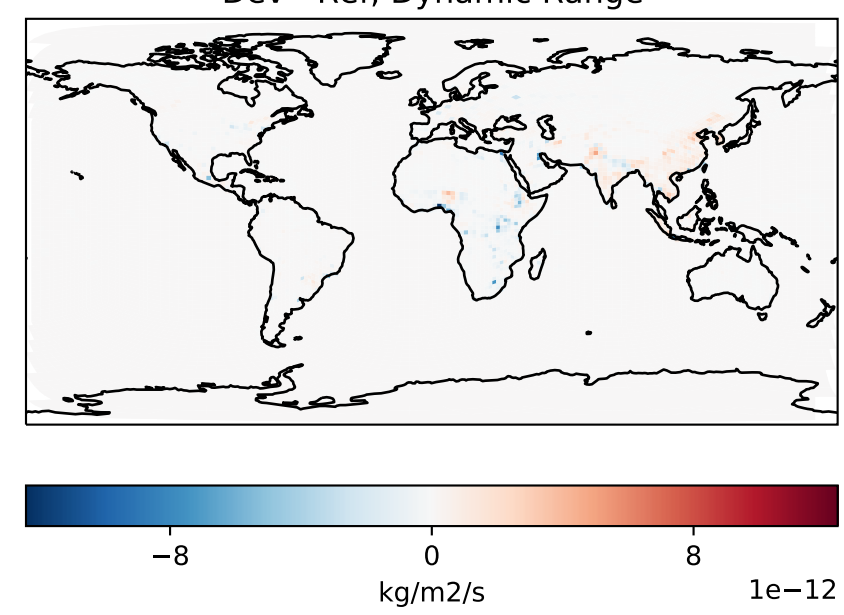
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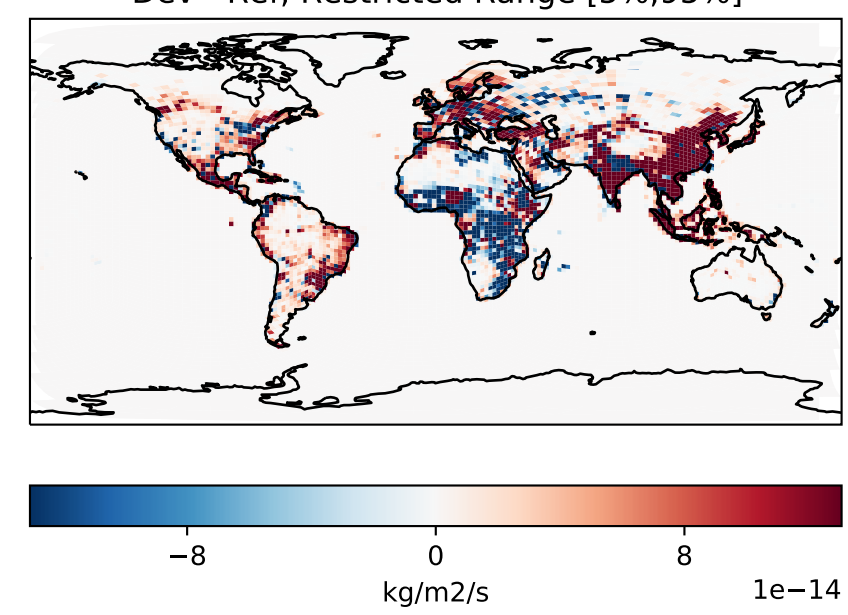
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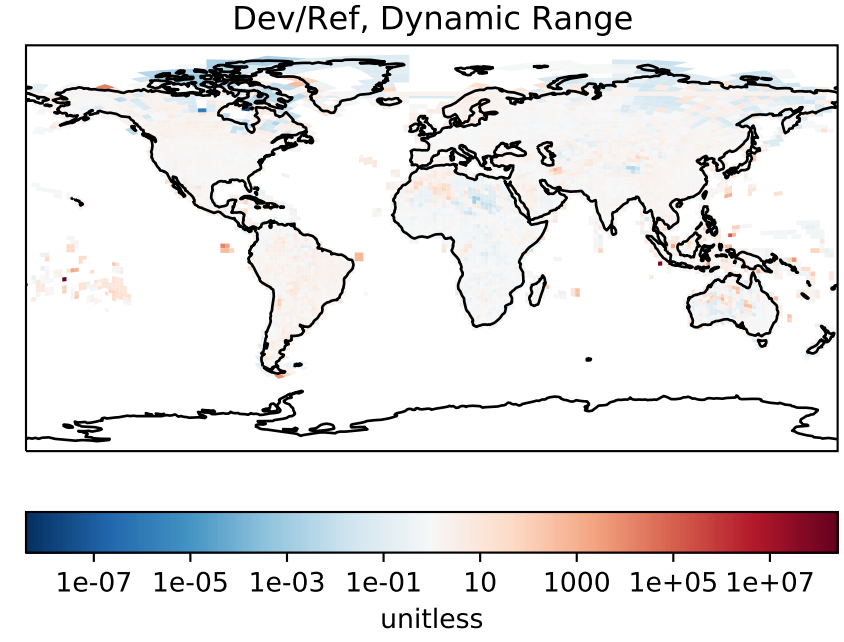
Difference
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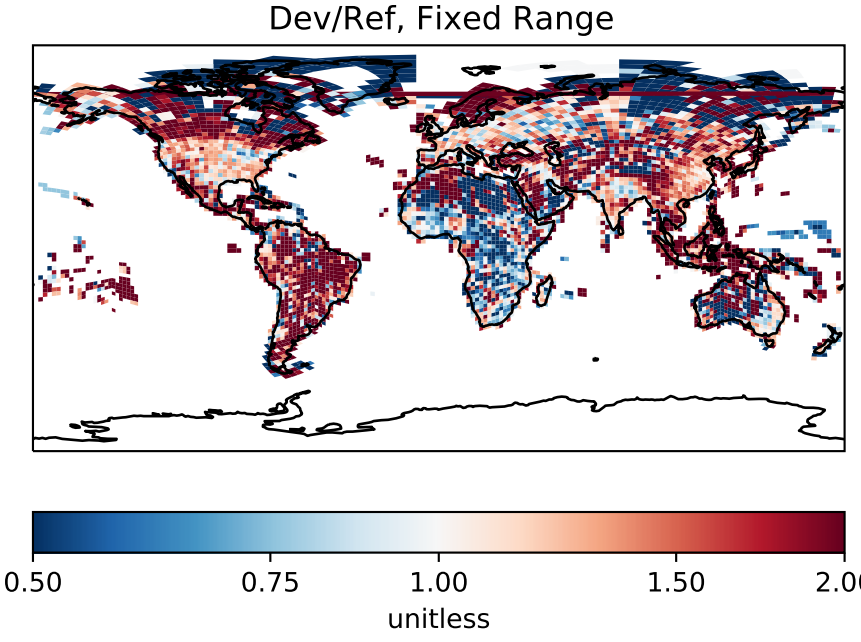
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

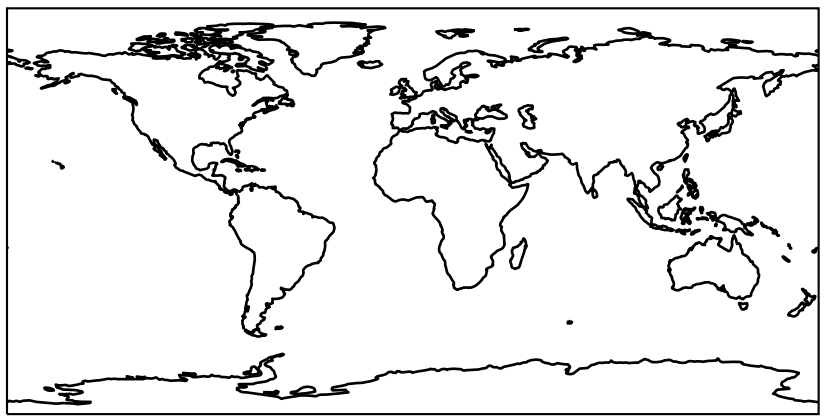


Ratio
Dev/Ref, Fixed Range



EmisMVK_Anthro

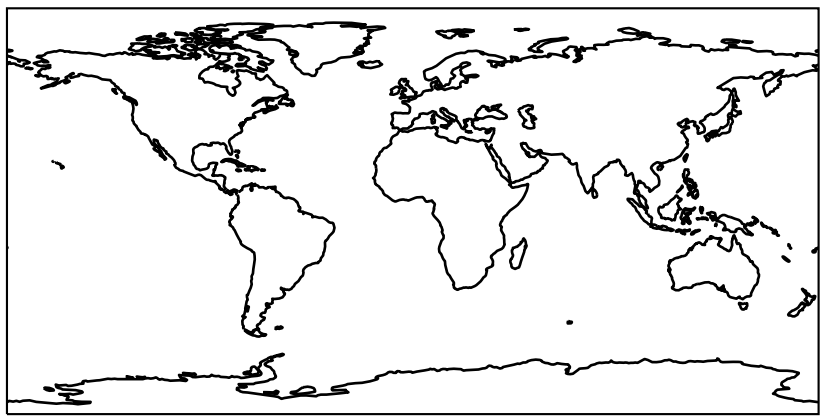
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kg/m2/s

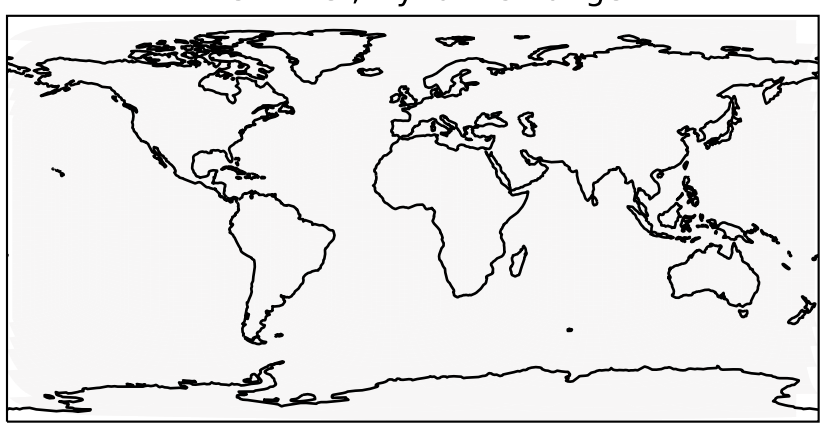
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c48





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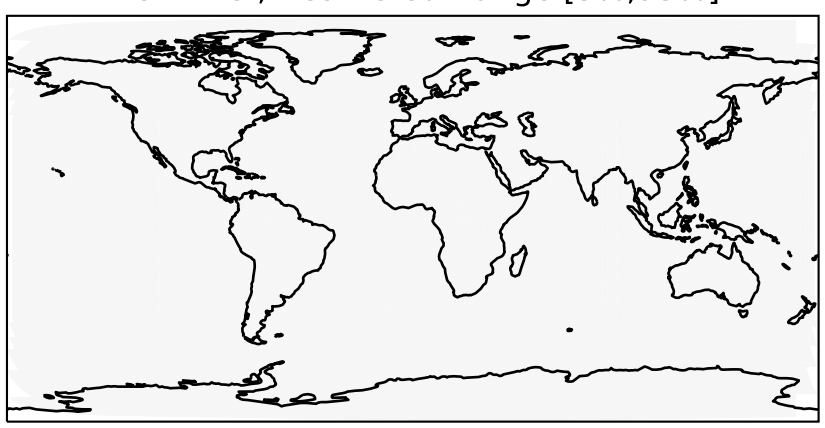
Difference
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kg/m2/s

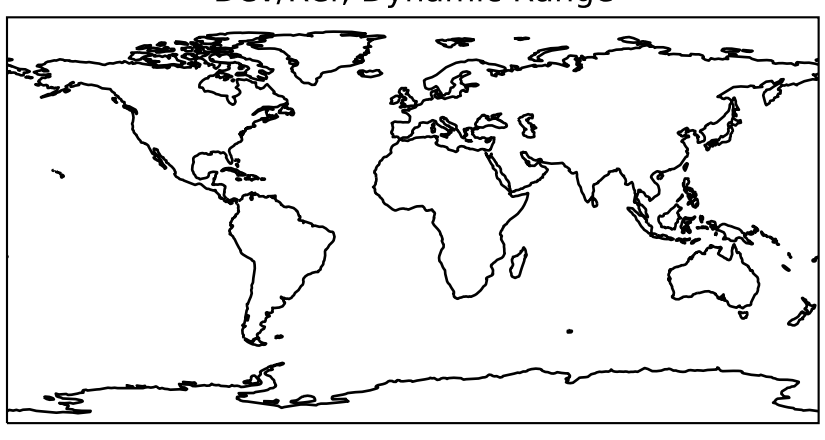
Difference
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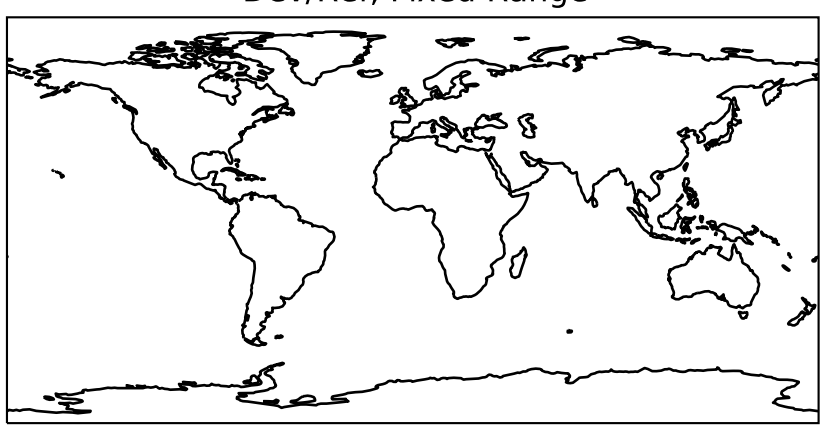
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Ratio
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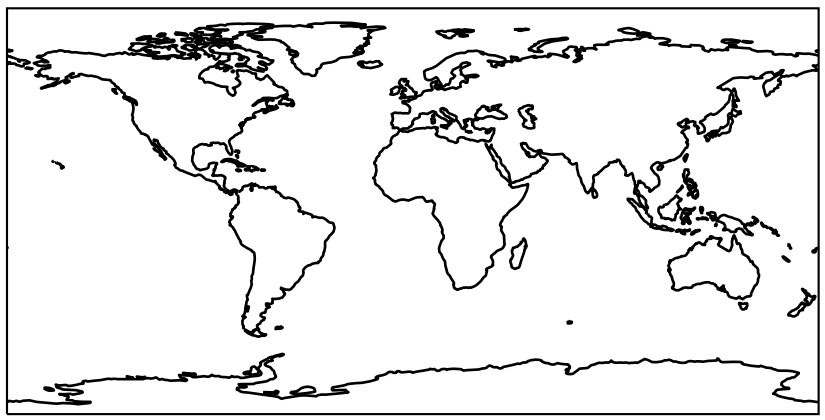




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EmisNAP_Anthro

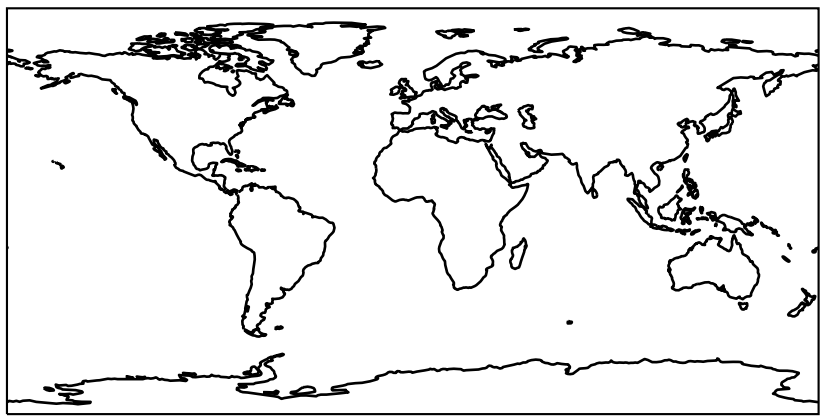
GCHP_13.1.0-beta.1 (Ref)
c48





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kg/m2/s

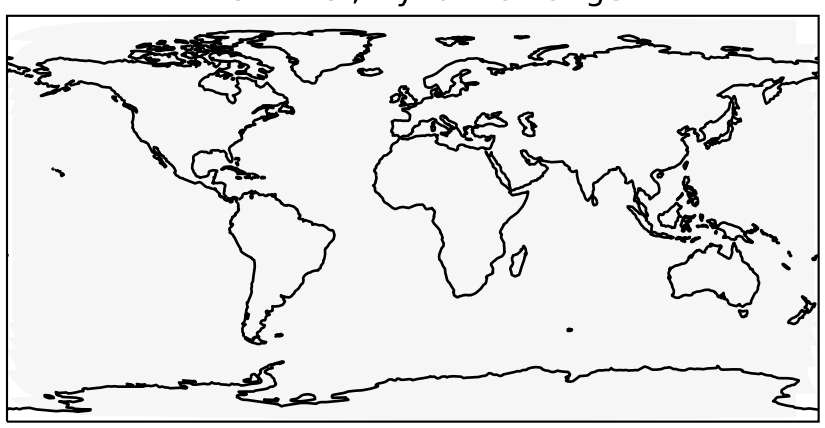
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c48





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kg/m2/s

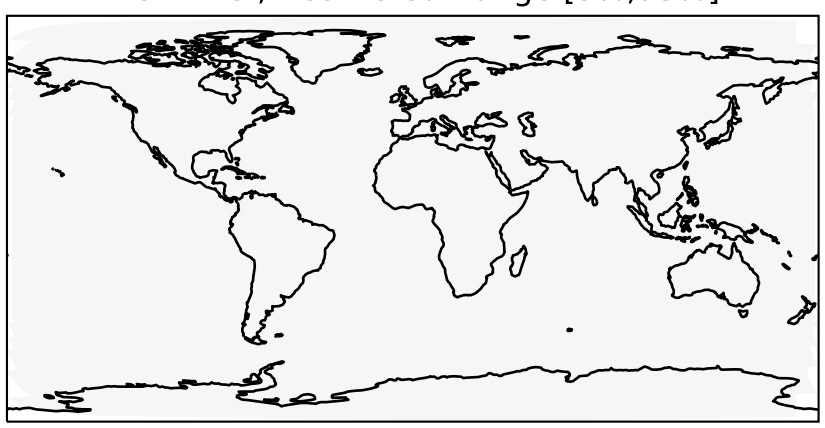
Difference
Dev - Ref, Dynamic Range





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kg/m2/s

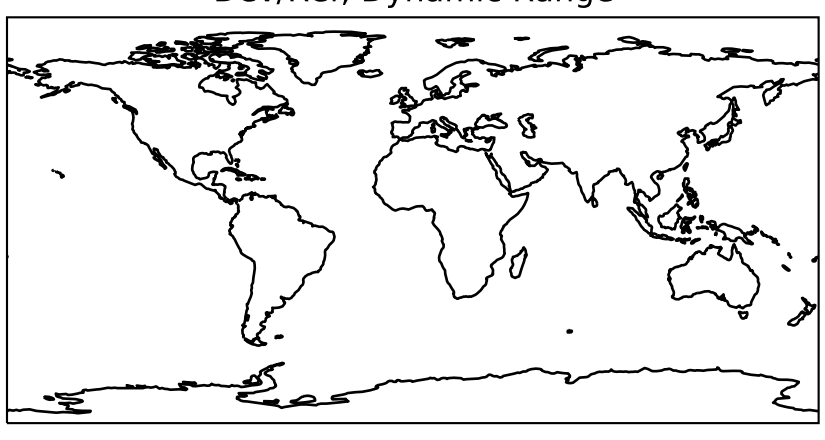
Difference
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

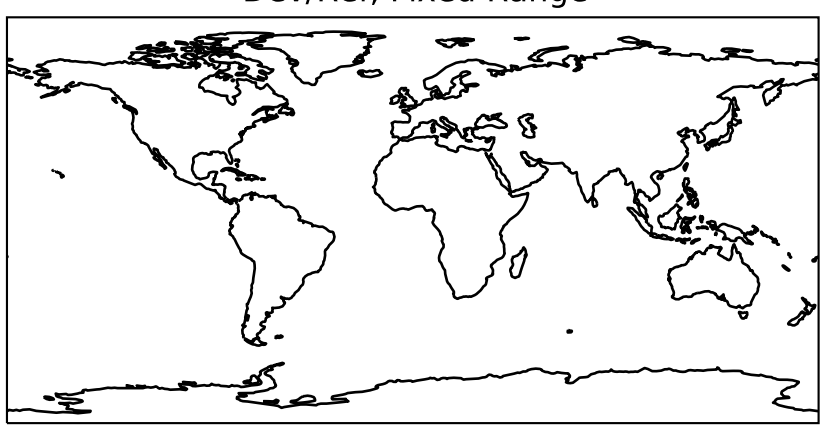
Ratio
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Ratio
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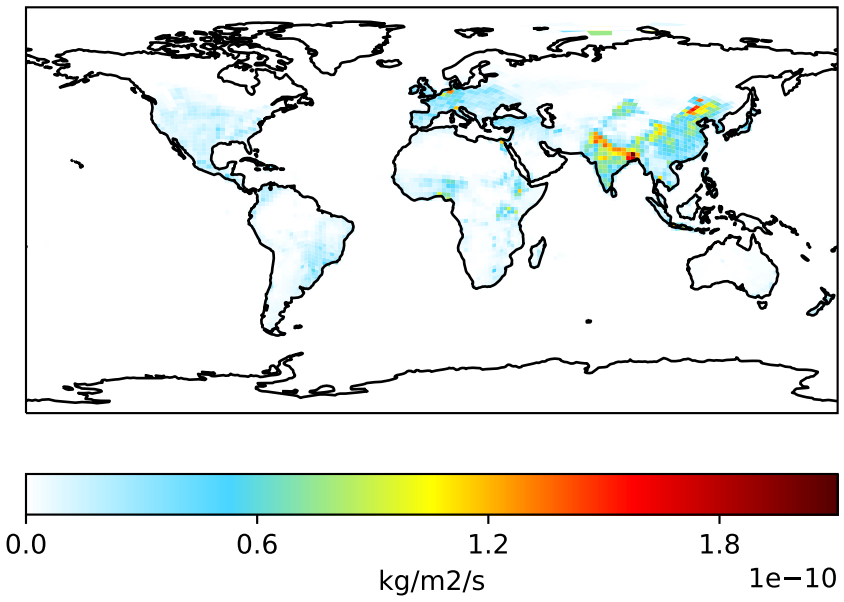




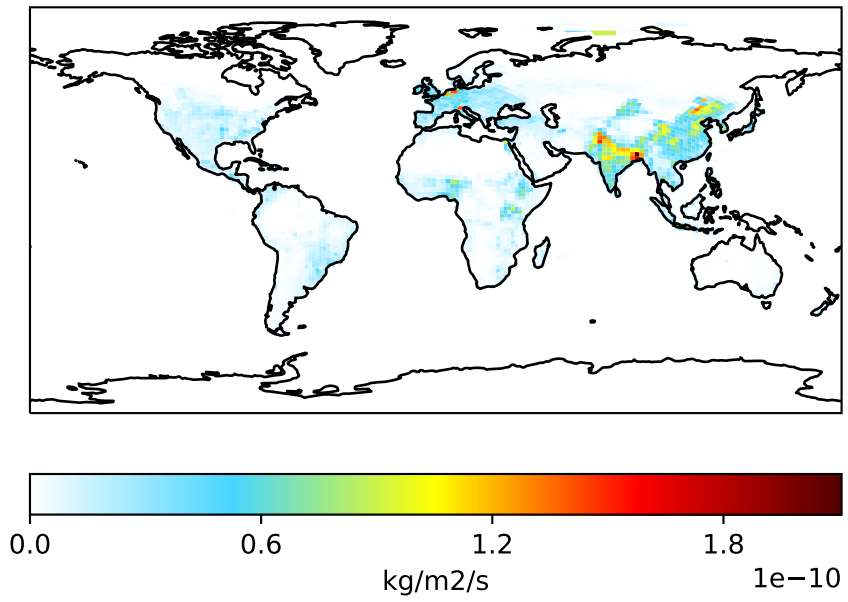
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EmisNH3_Anthro

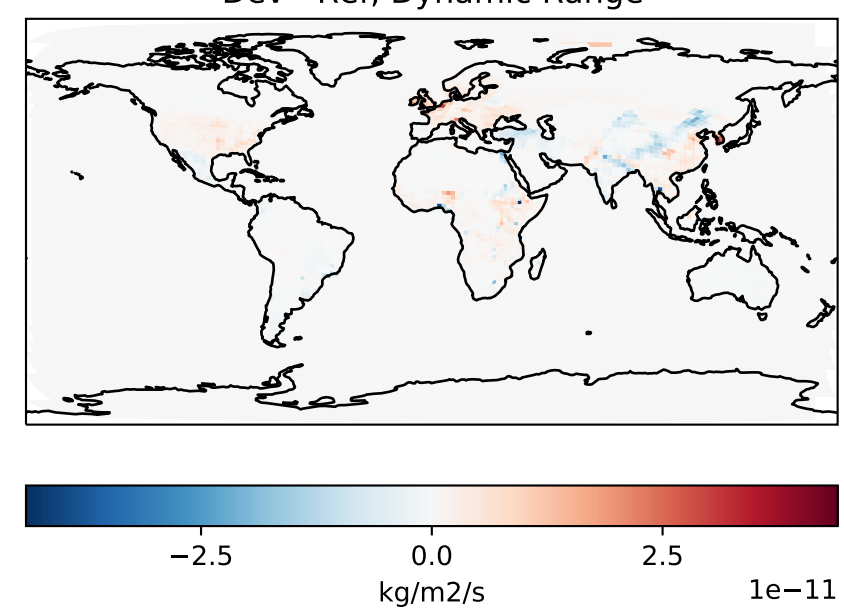
GCHP_13.1.0-beta.1 (Ref)
c48



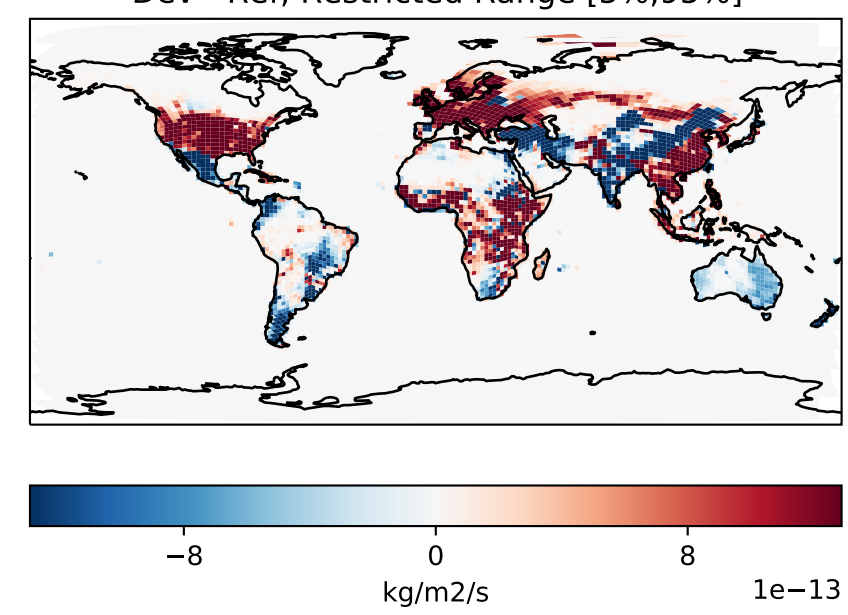
GCHP_13.2.0-beta.0 (Dev)
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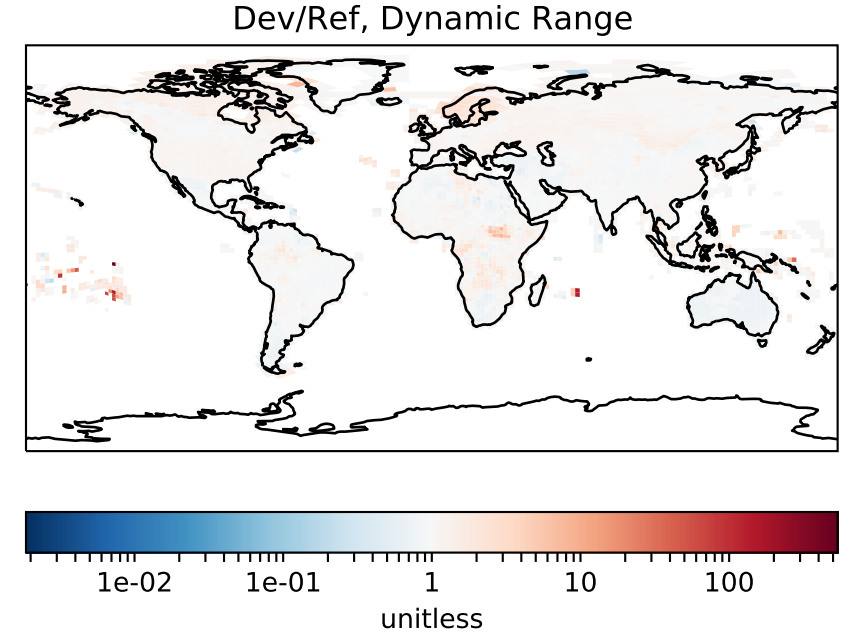
Difference
Dev - Ref, Dynamic Range



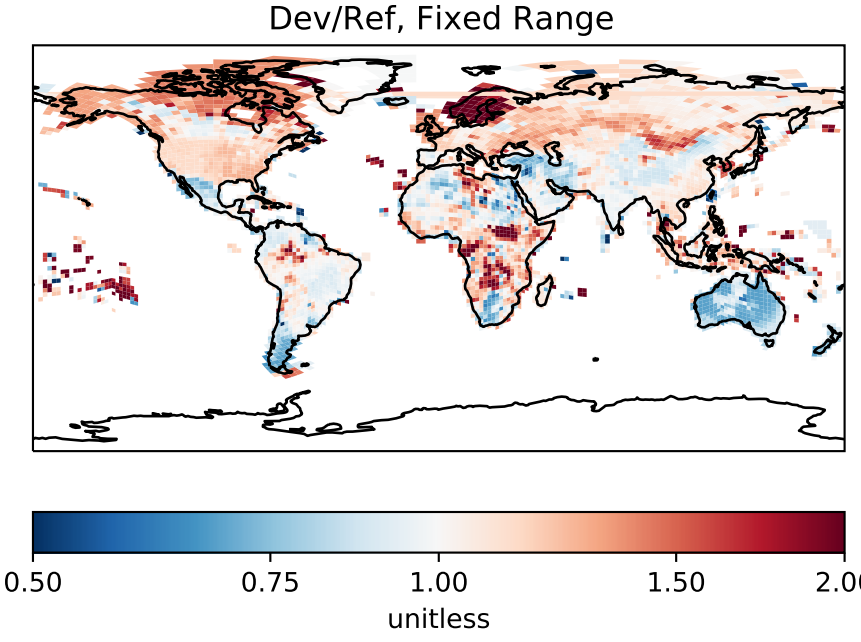
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

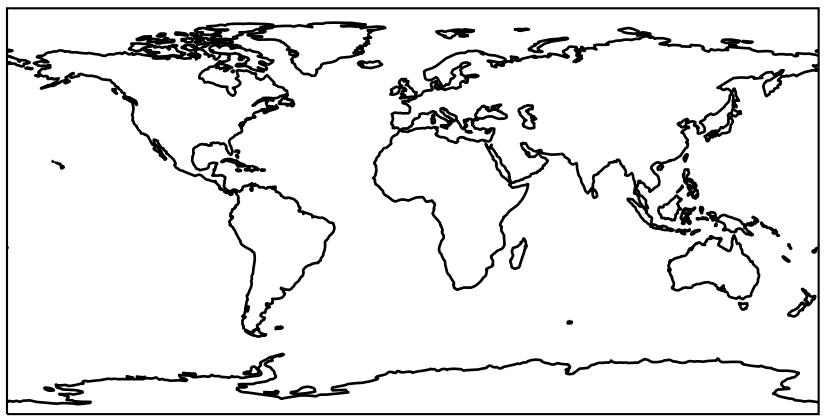


Ratio
Dev/Ref, Fixed Range



EmisNO2_Anthro

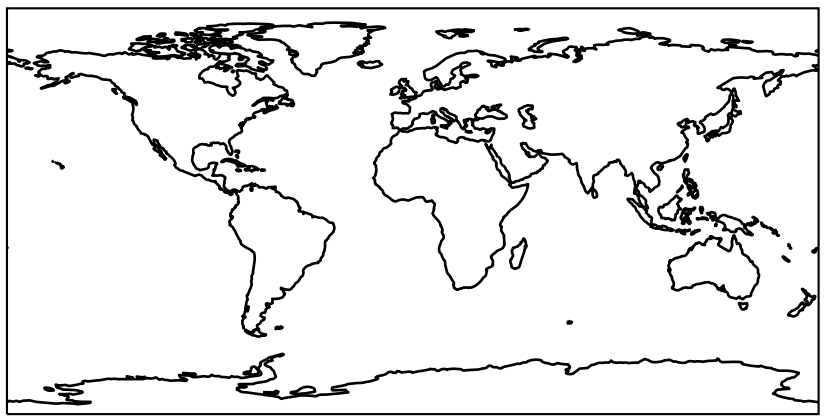
GCHP_13.1.0-beta.1 (Ref)
c48





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kg/m2/s

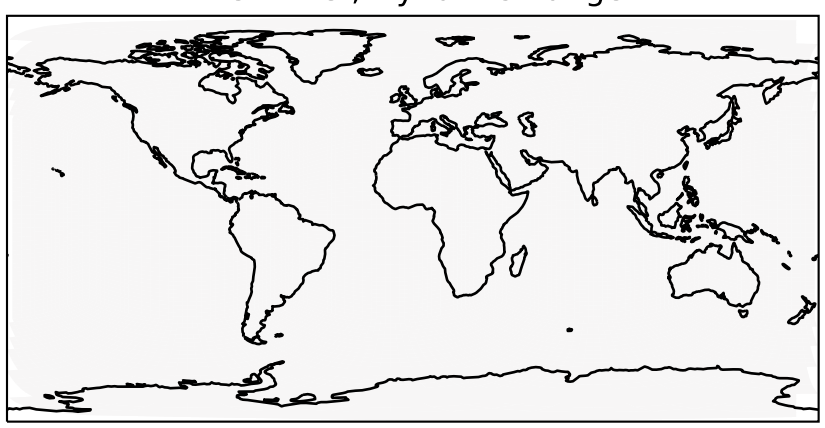
GCHP_13.2.0-beta.0 (Dev)
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kg/m2/s

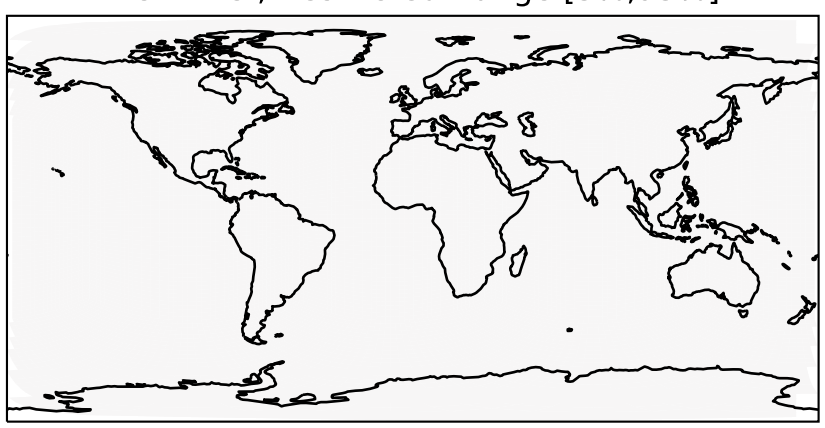
Difference
Dev - Ref, Dynamic Range





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kg/m2/s

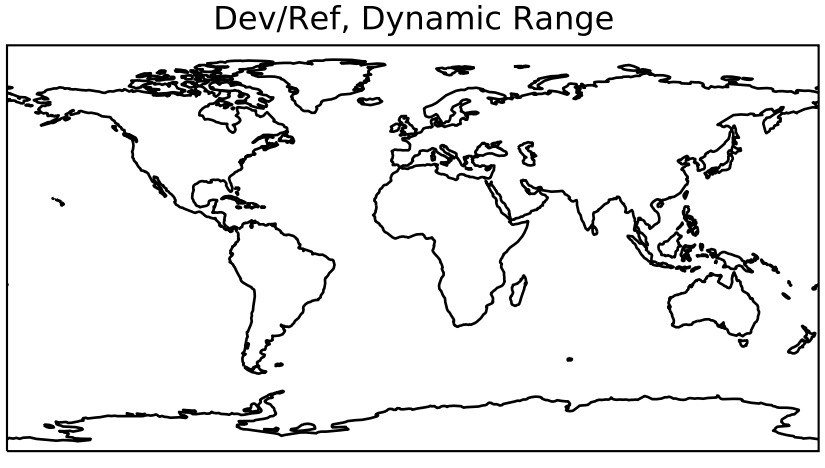
Difference
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

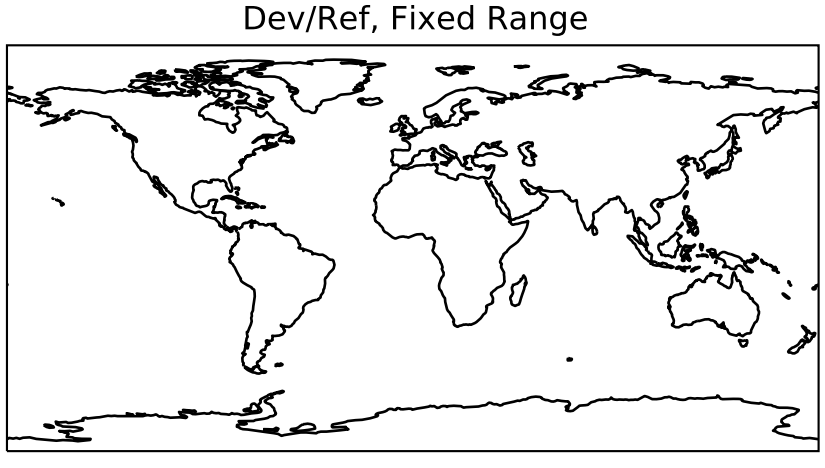
Ratio
Dev/Ref, Dynamic Range





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Ratio
Dev/Ref, Fixed Range

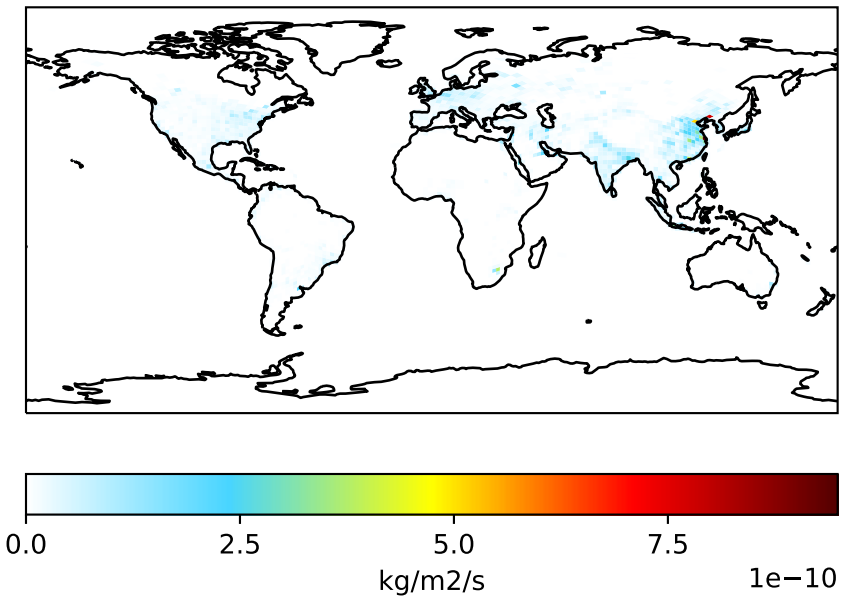




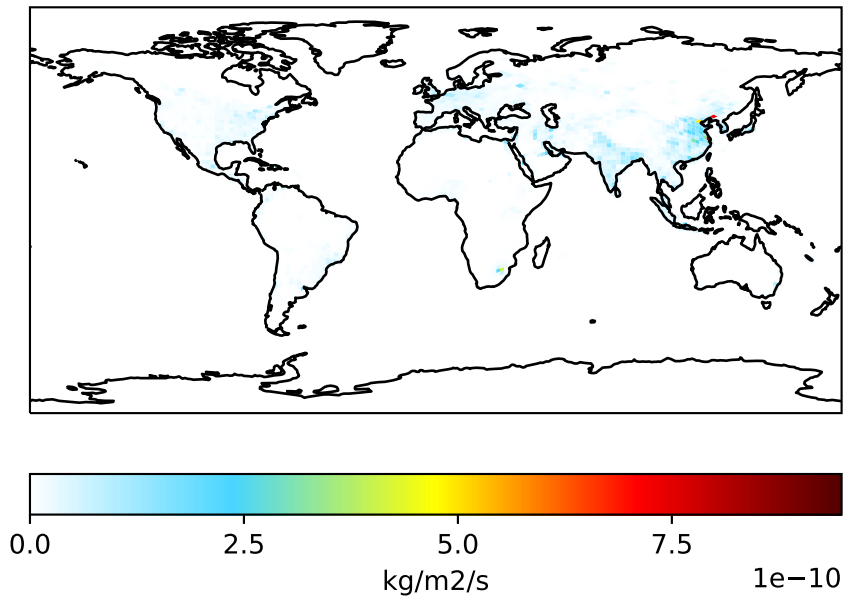
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unitless

EmisNO_Anthro

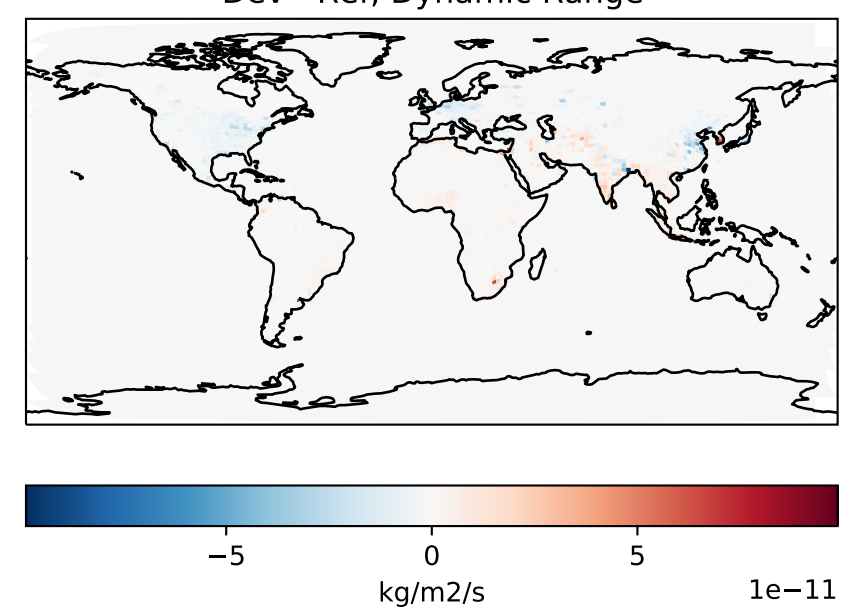
GCHP_13.1.0-beta.1 (Ref)
c48



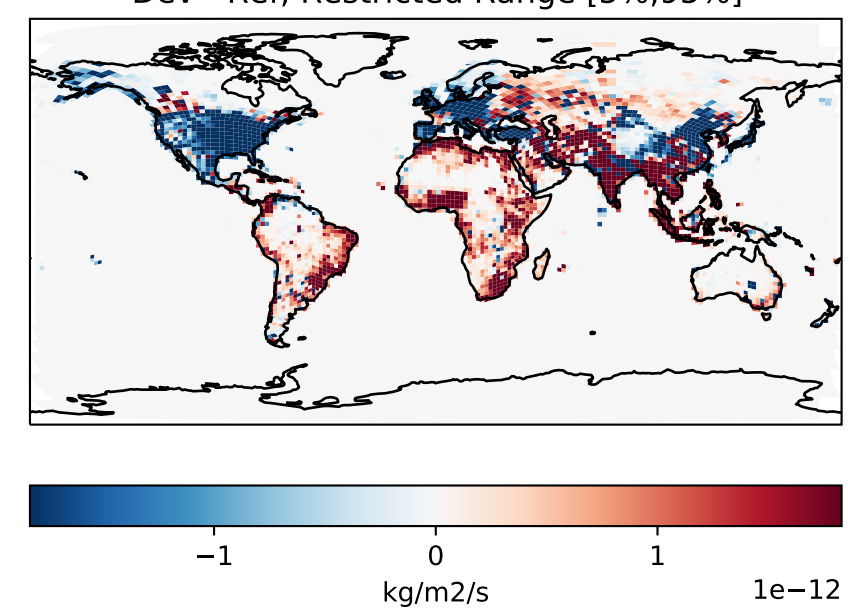
GCHP_13.2.0-beta.0 (Dev)
c48



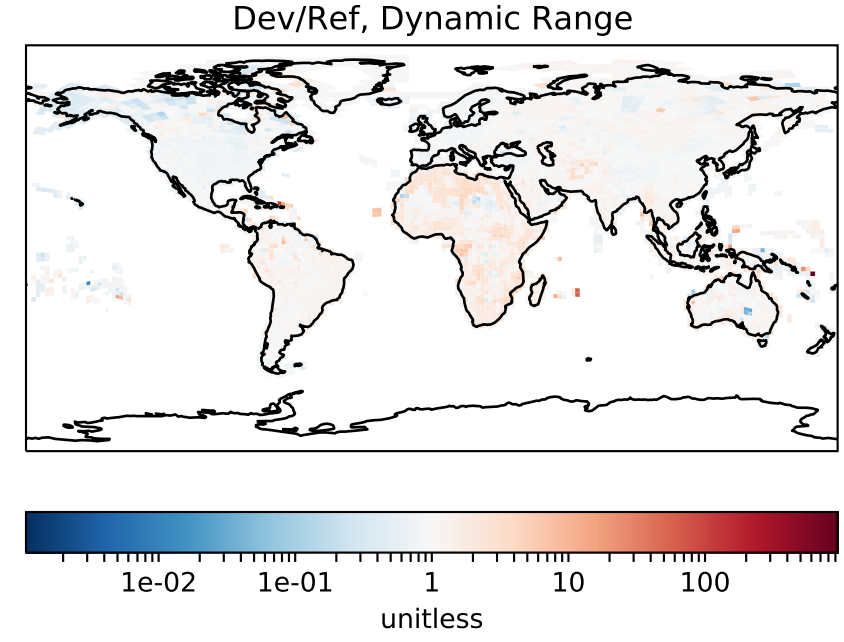
Difference
Dev - Ref, Dynamic Range



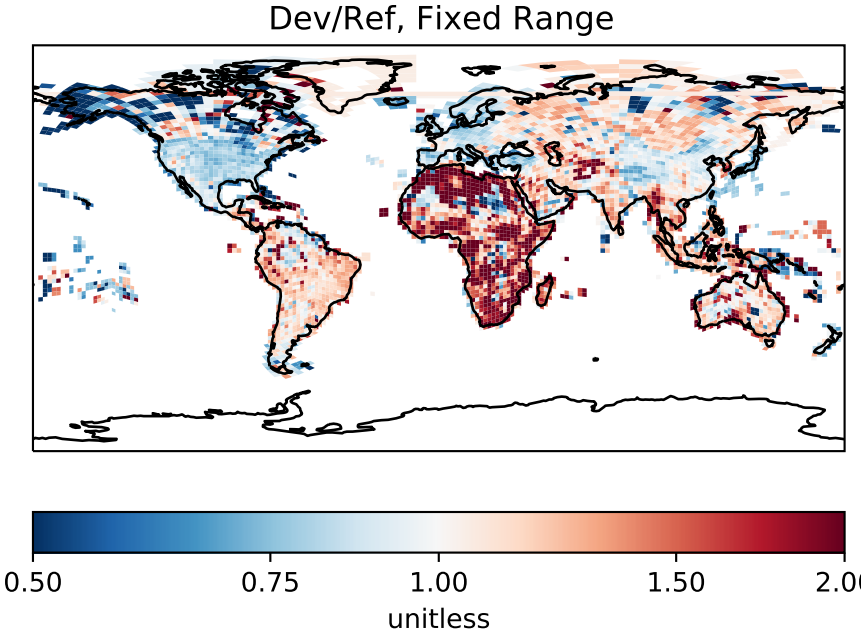
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

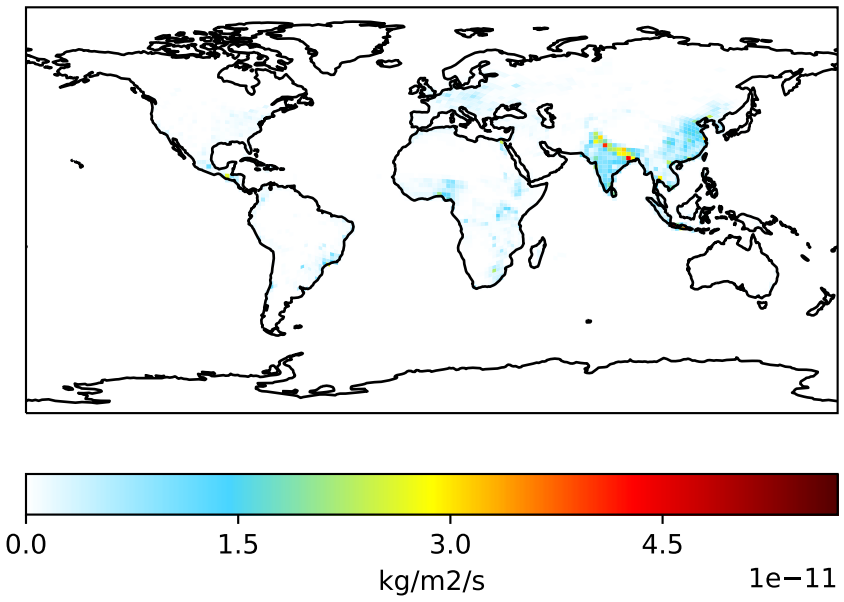


Ratio
Dev/Ref, Fixed Range

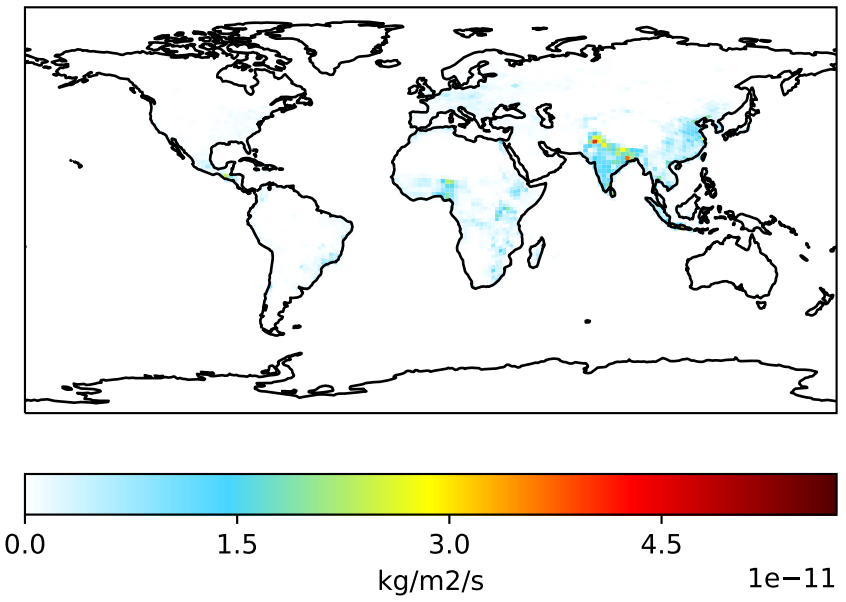


EmisOCPI_Anthro

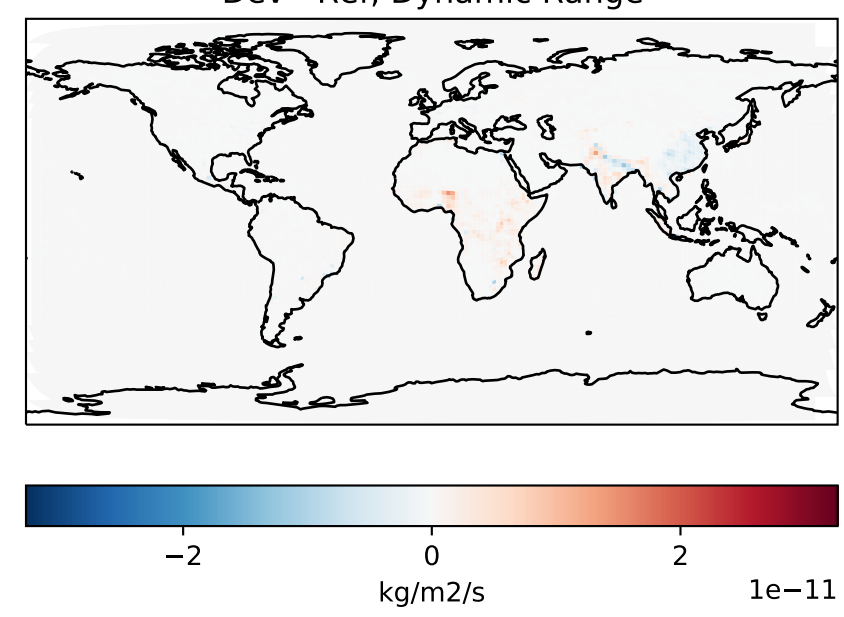
GCHP_13.1.0-beta.1 (Ref)
c48



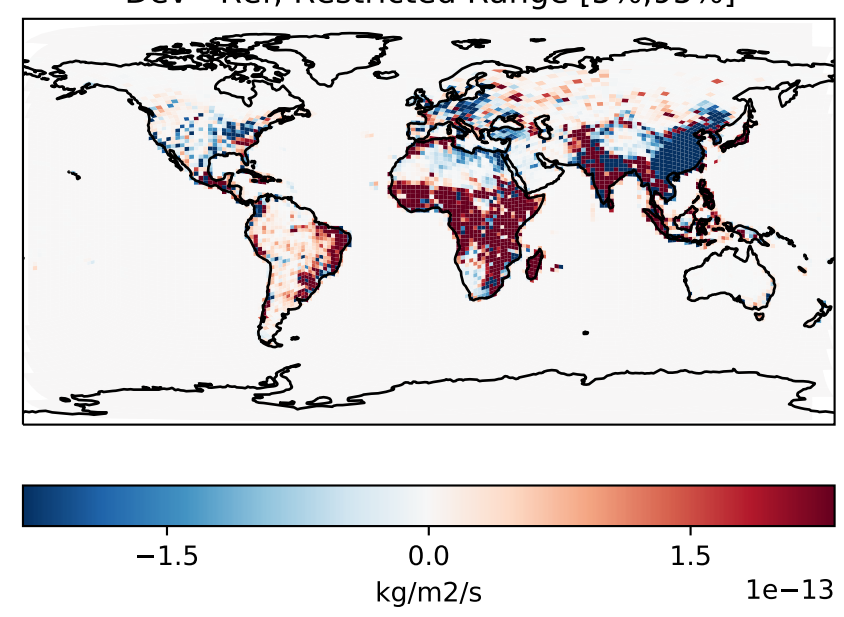
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c48



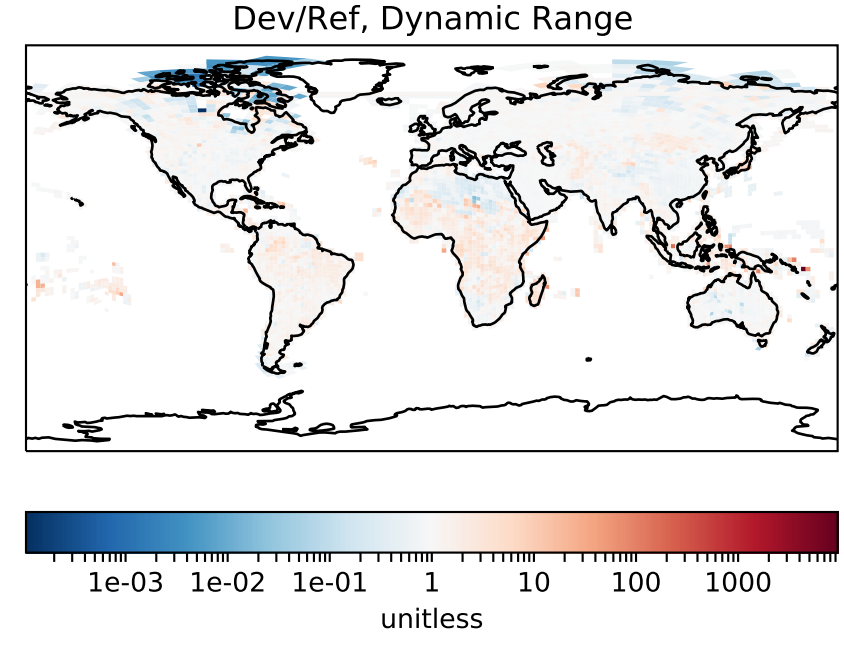
Difference
Dev - Ref, Dynamic Range



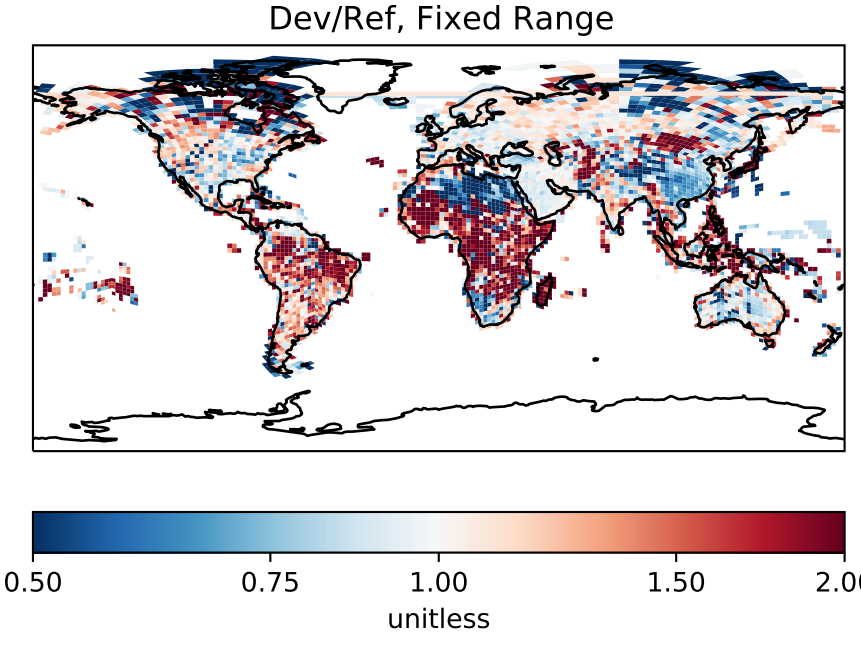
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

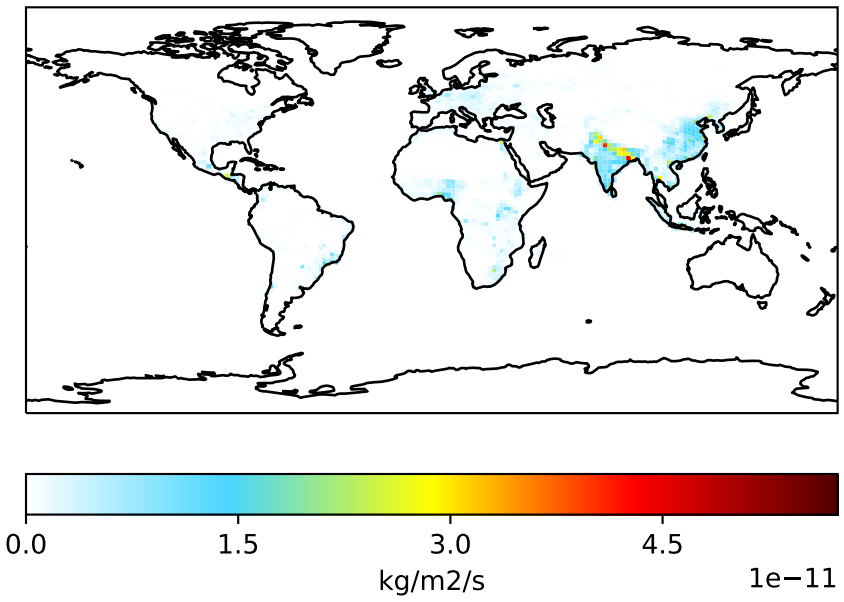


Ratio
Dev/Ref, Fixed Range

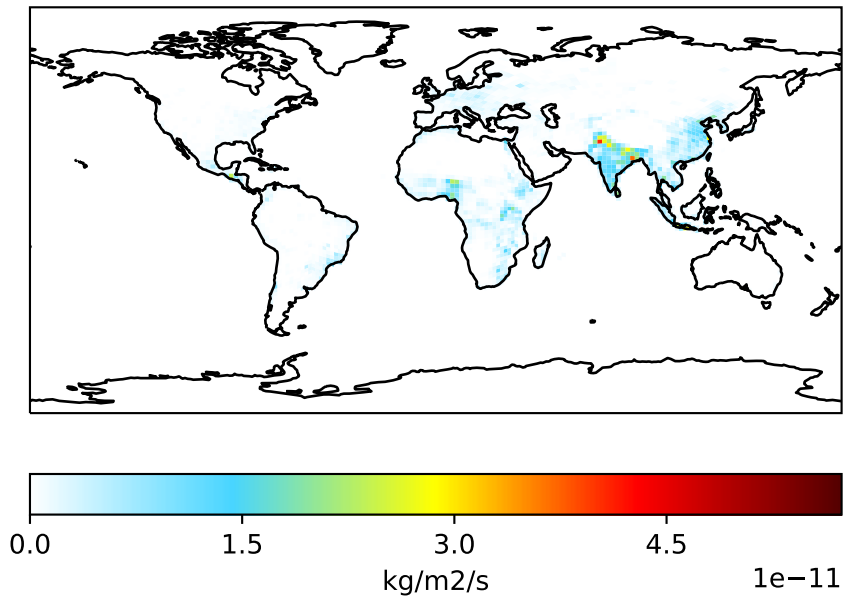


EmisOCPO_Anthro

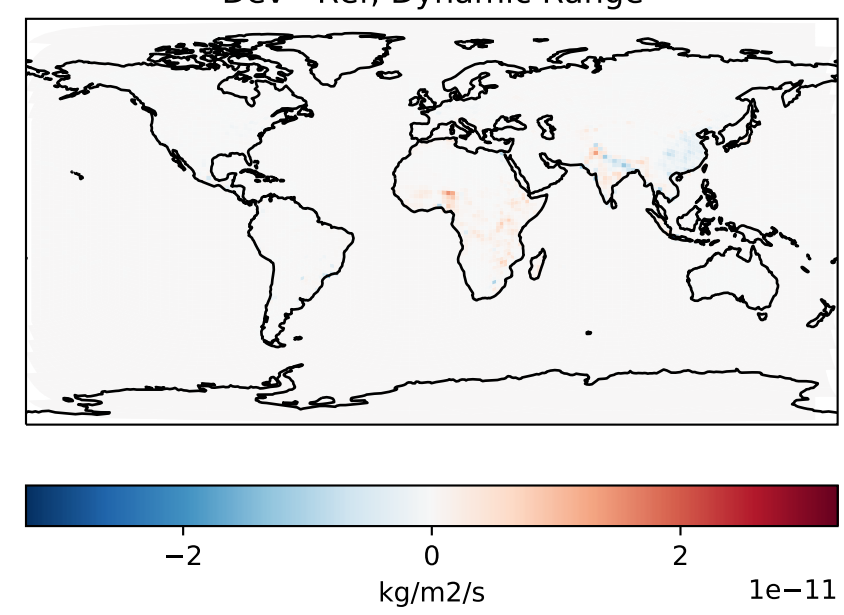
GCHP_13.1.0-beta.1 (Ref)
c48



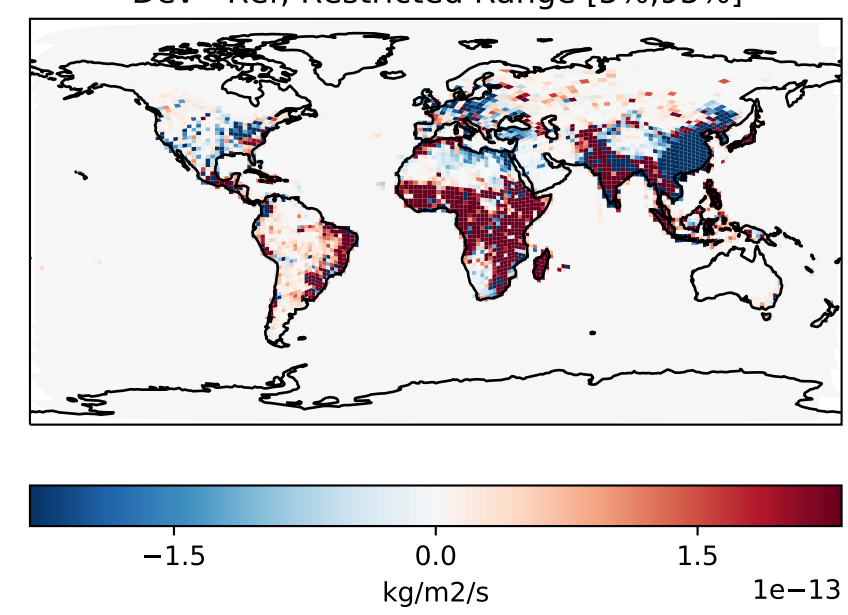
GCHP_13.2.0-beta.0 (Dev)
c48



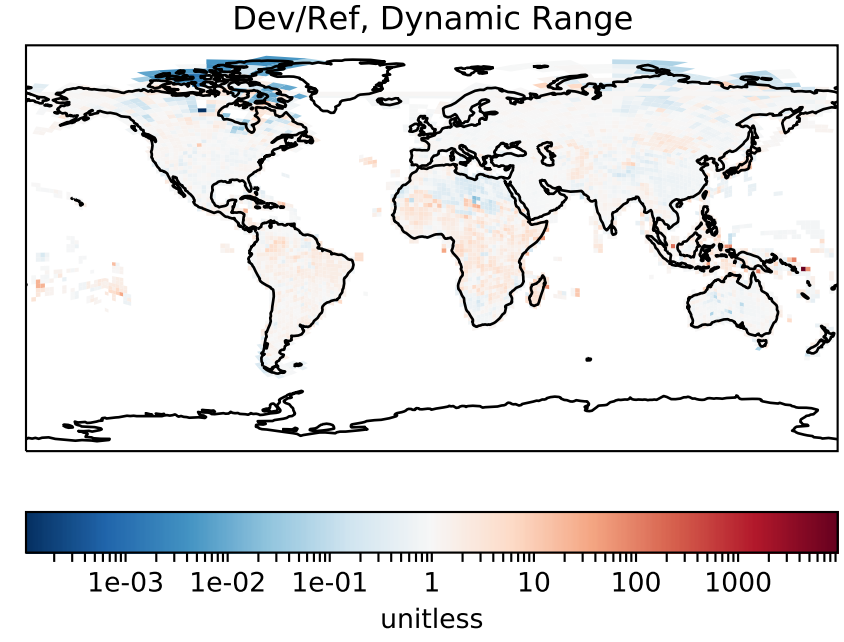
Difference
Dev - Ref, Dynamic Range



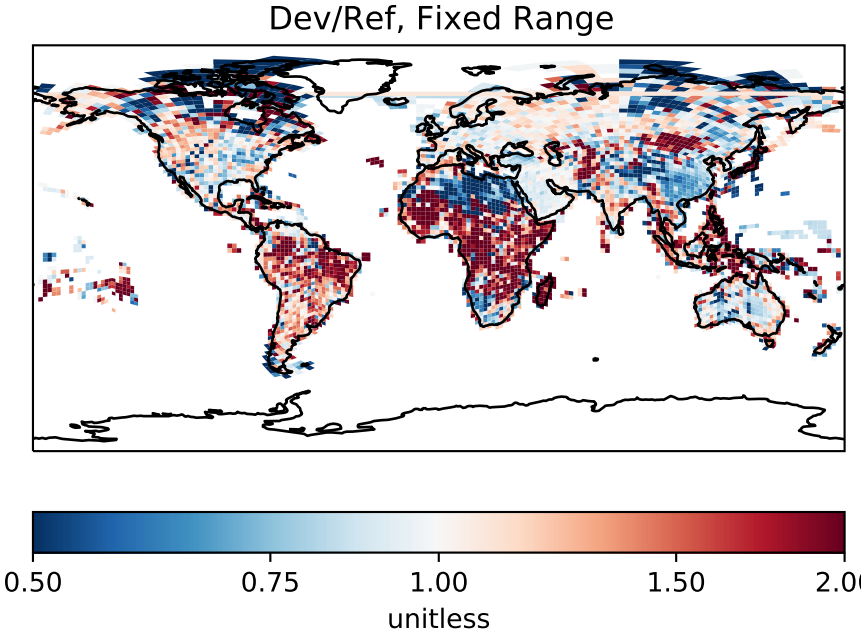
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

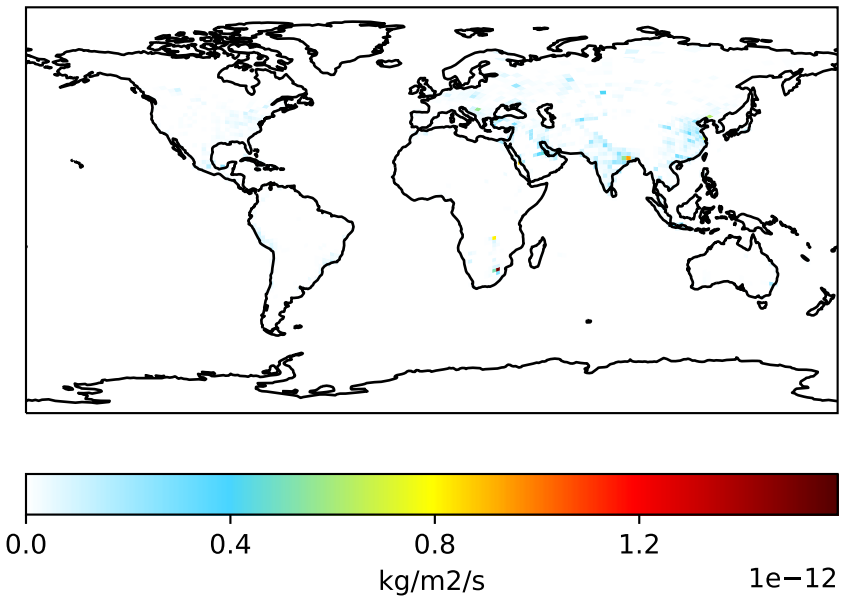


Ratio
Dev/Ref, Fixed Range

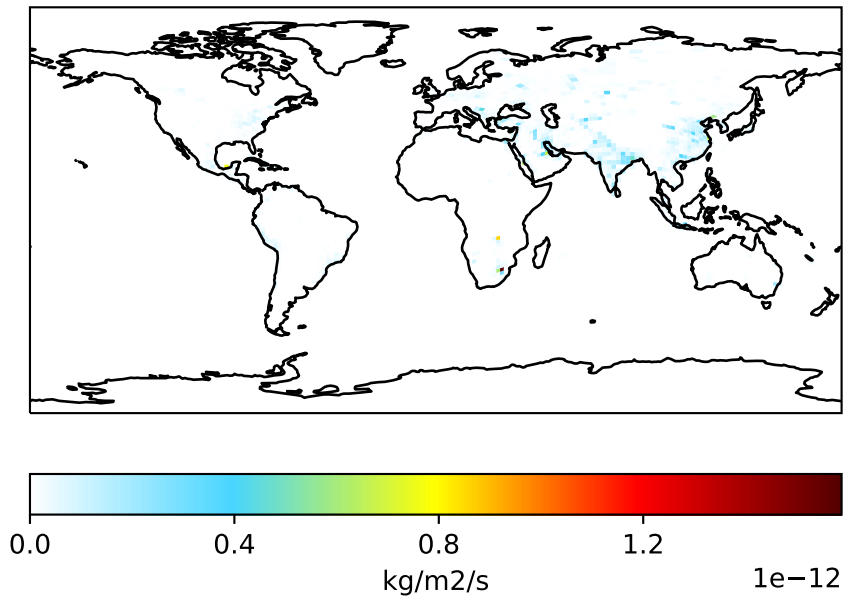


EmispFe_Anthro

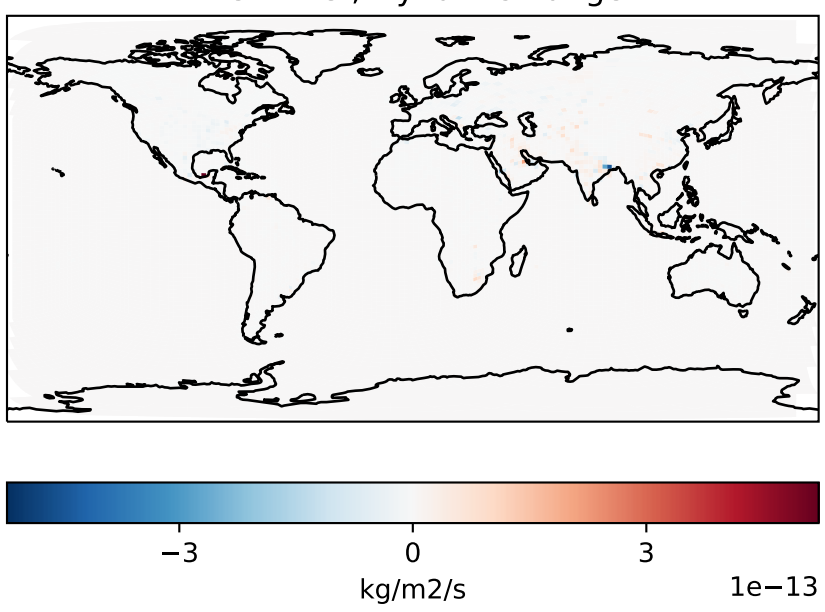
GCHP_13.1.0-beta.1 (Ref)
c48



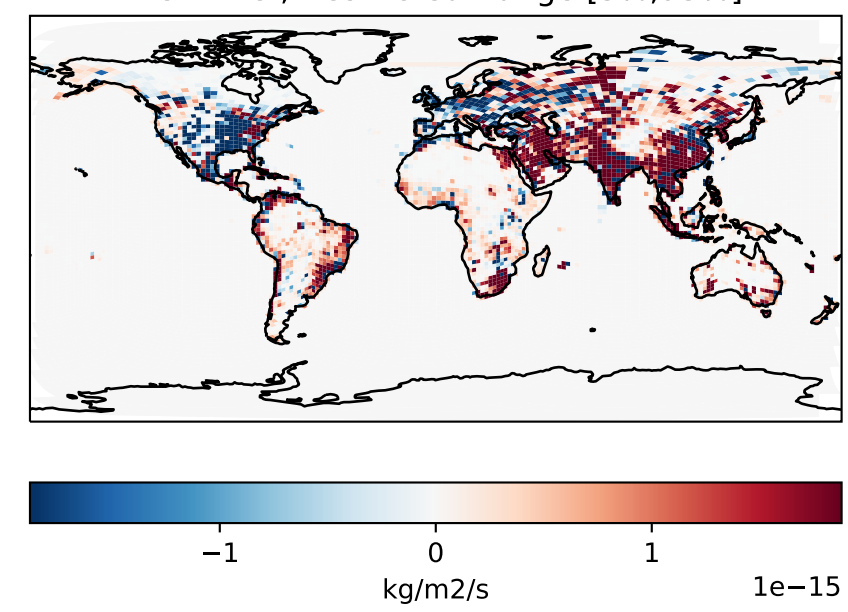
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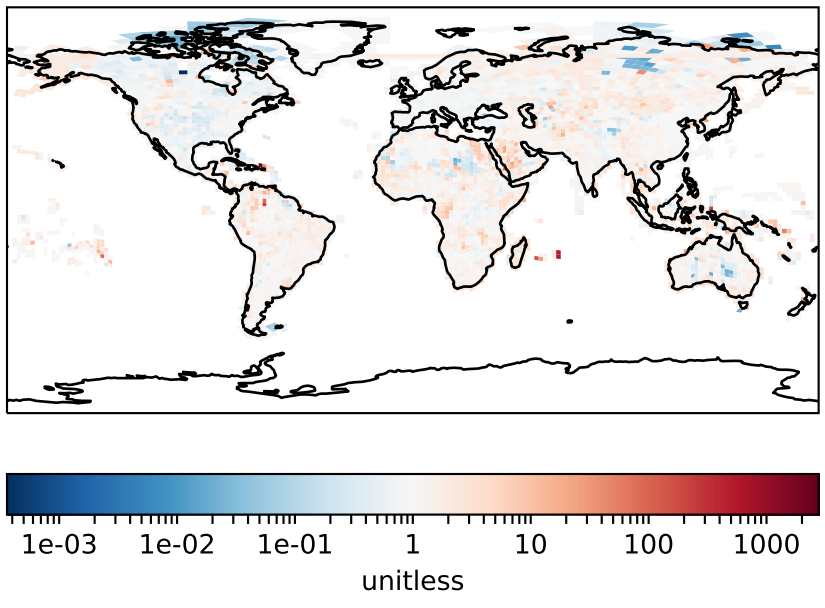
Difference
Dev - Ref, Dynamic Range



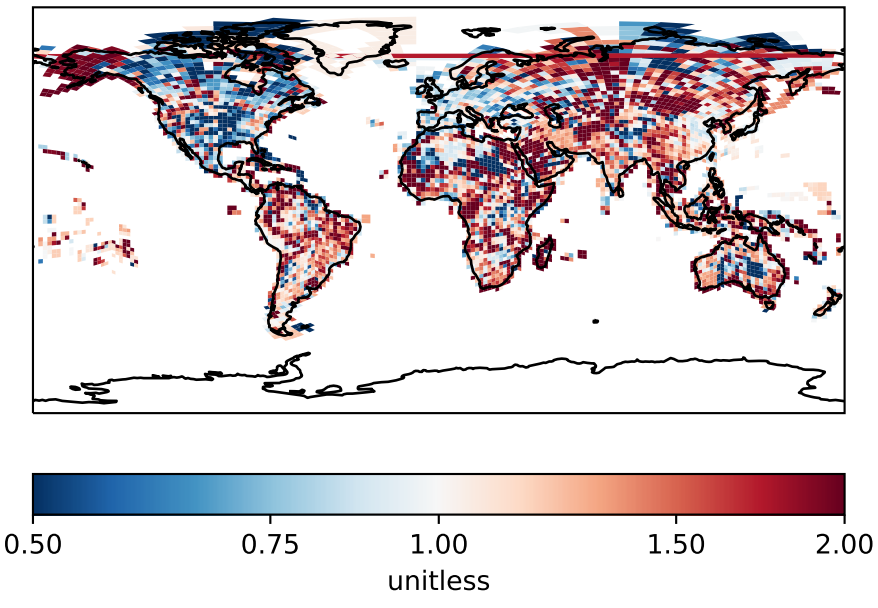
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

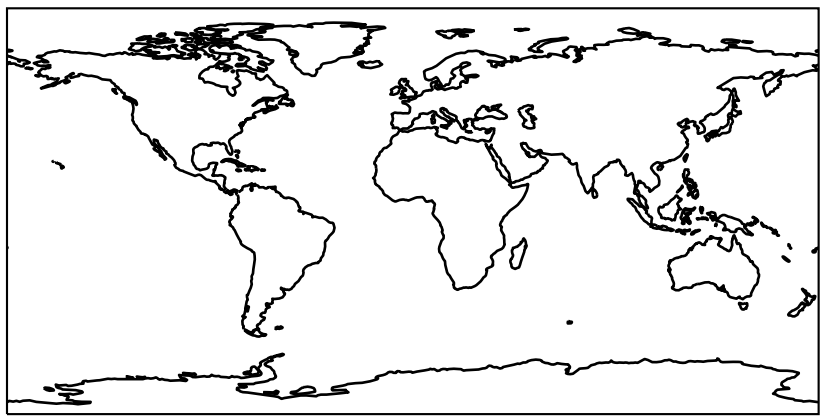


Ratio
Dev/Ref, Fixed Range



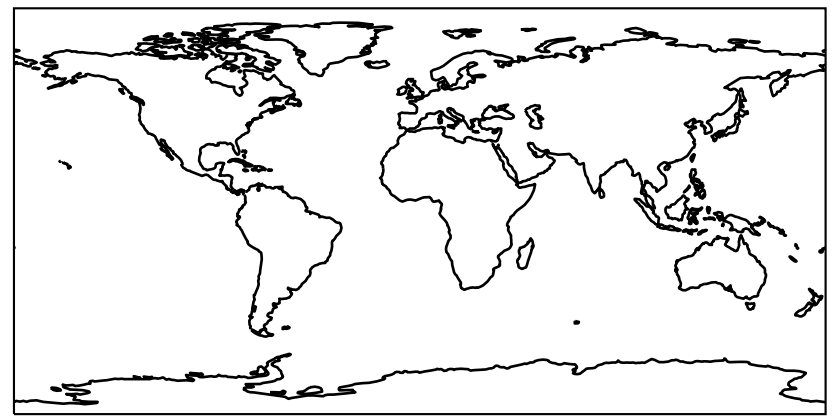
EmisPOG1_Anthro

GCHP_13.1.0-beta.1 (Ref)
c48



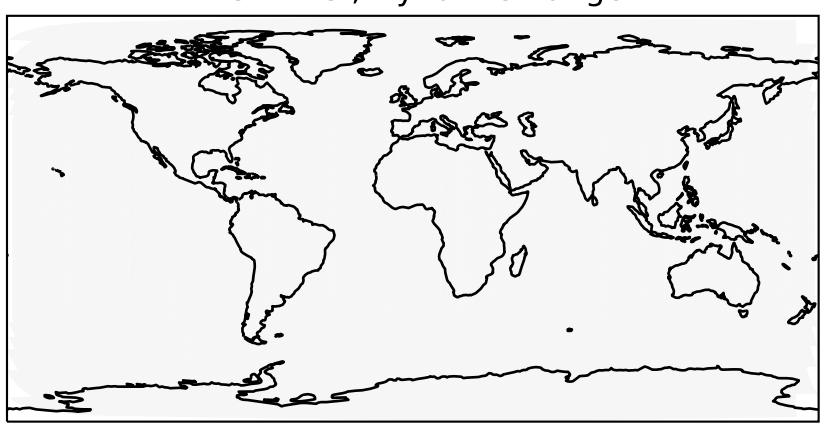
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kg/m2/s

GCHP_13.2.0-beta.0 (Dev)
c48



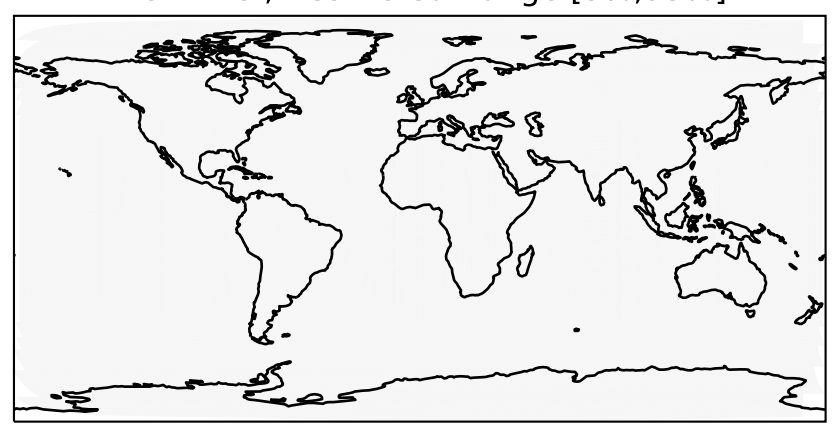
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kg/m2/s

Difference
Dev - Ref, Dynamic Range



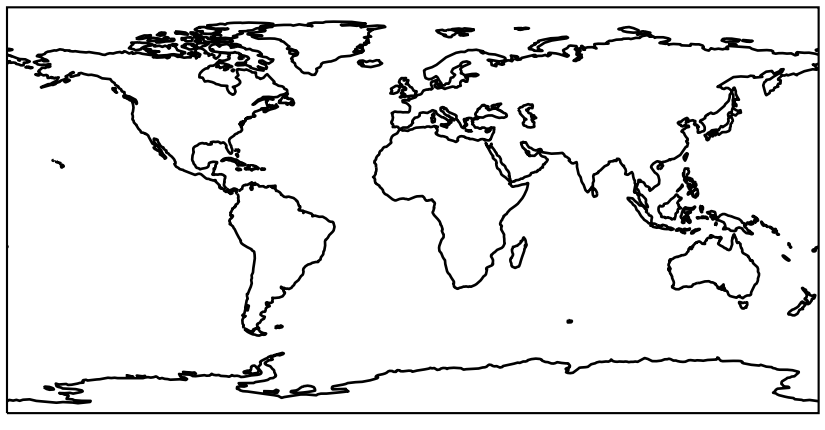
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kg/m2/s

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



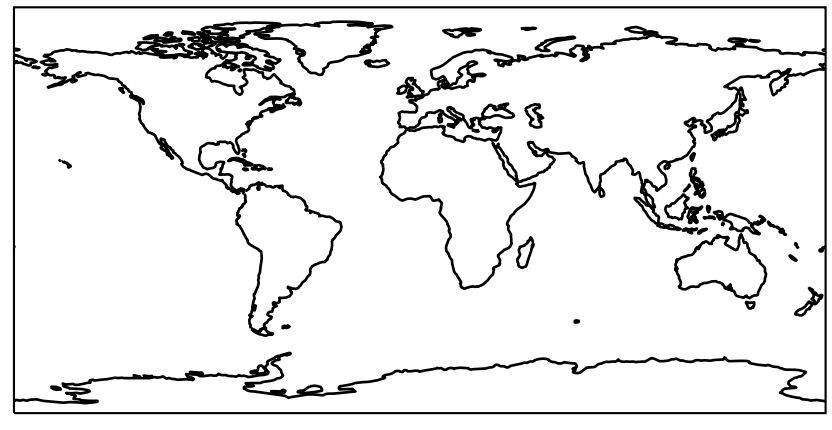
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kg/m2/s

Ratio
Dev/Ref, Dynamic Range



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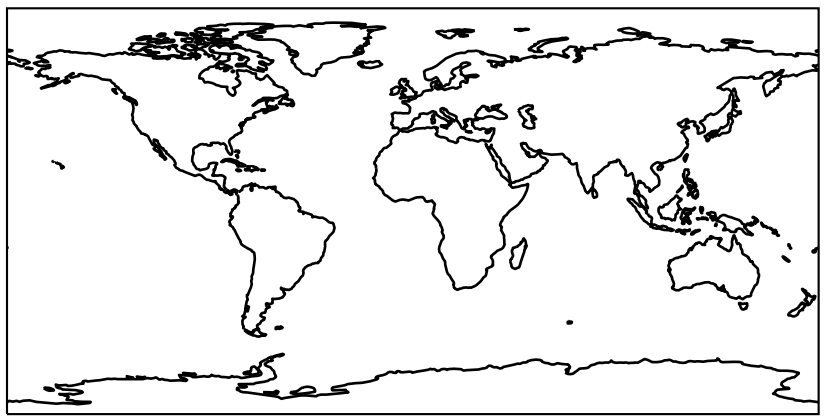
Ratio
Dev/Ref, Fixed Range



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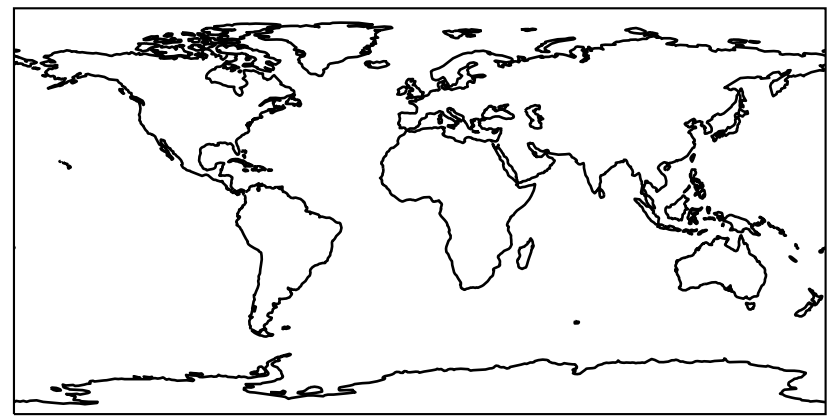
EmisPOG2_Anthro

GCHP_13.1.0-beta.1 (Ref)
c48



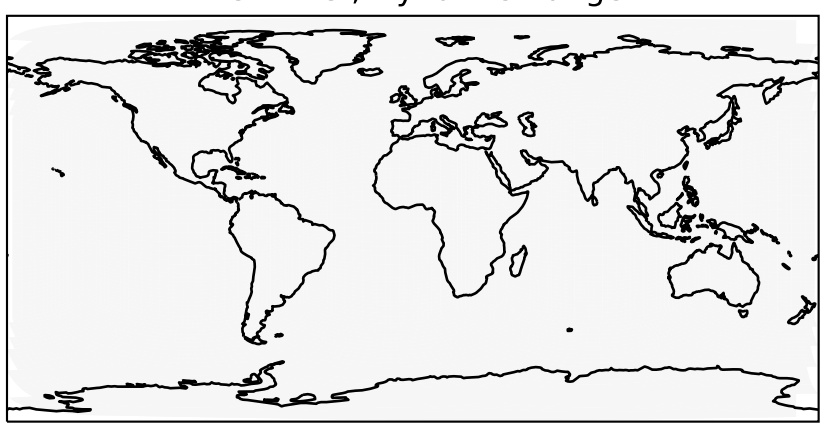
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kg/m2/s

GCHP_13.2.0-beta.0 (Dev)
c48



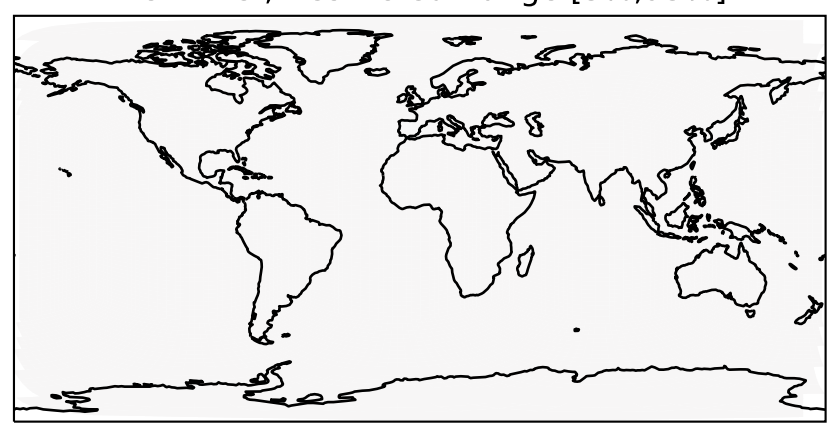
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kg/m2/s

Difference
Dev - Ref, Dynamic Range



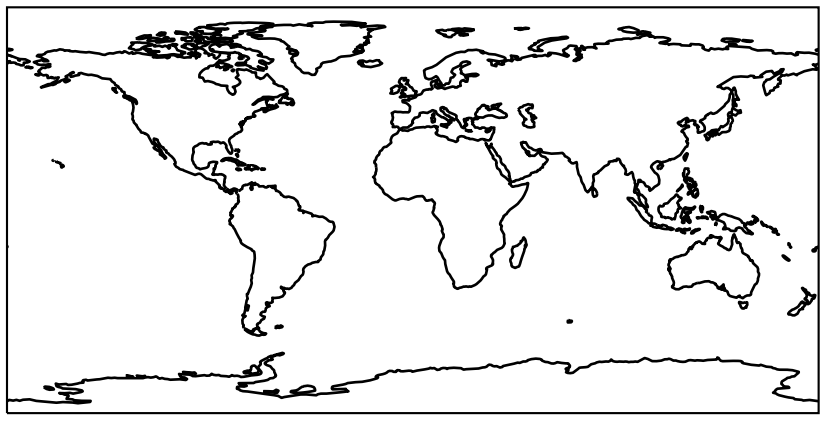
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kg/m2/s

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



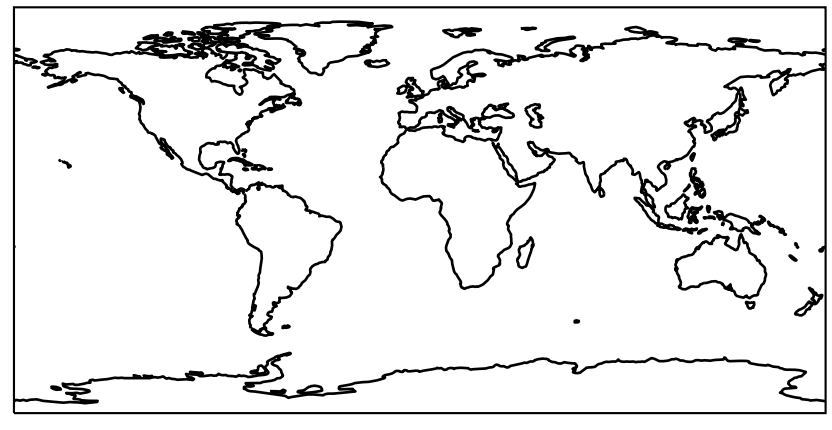
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kg/m2/s

Ratio
Dev/Ref, Dynamic Range



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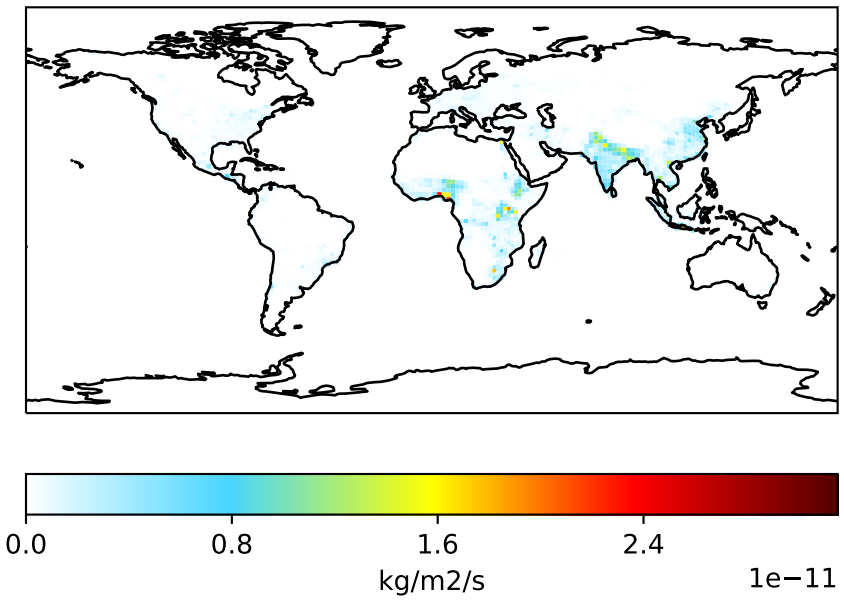
Ratio
Dev/Ref, Fixed Range



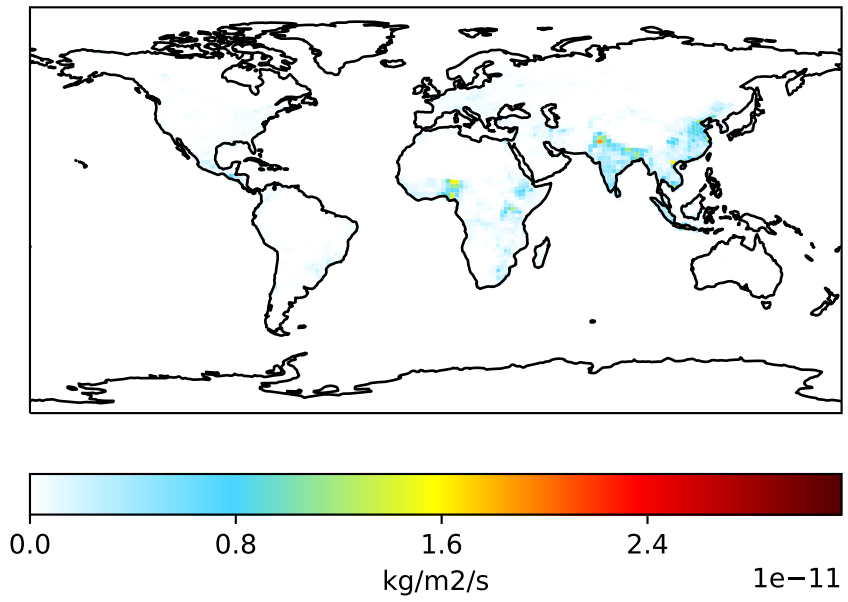
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EmisPRPE_Anthro

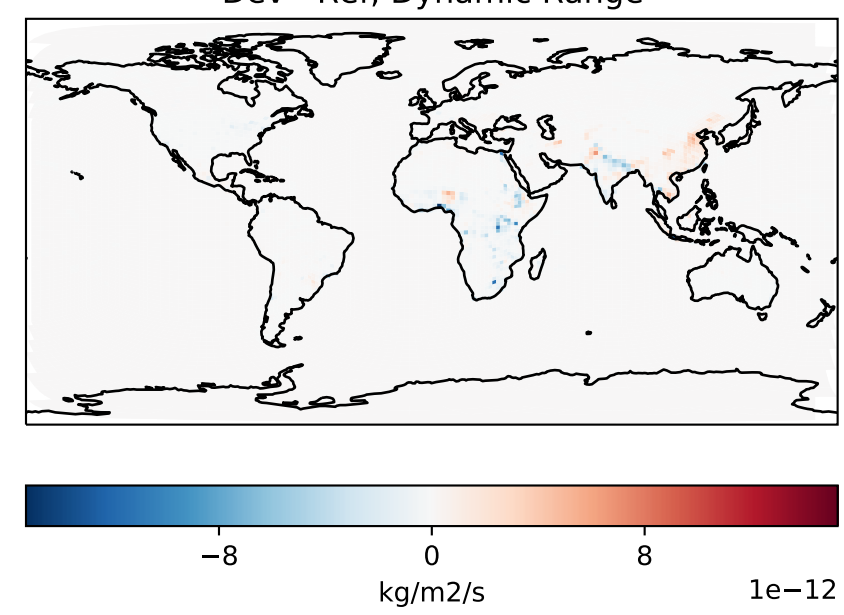
GCHP_13.1.0-beta.1 (Ref)
c48



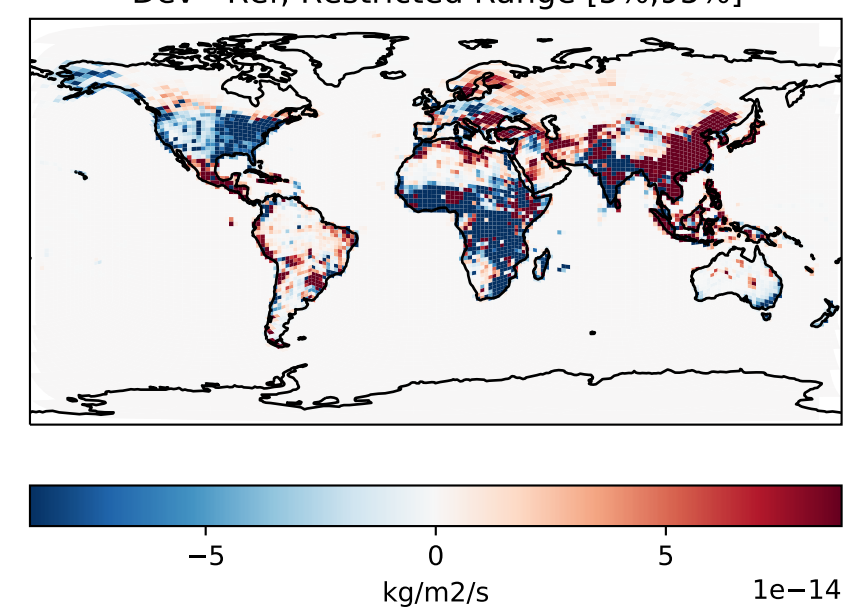
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c48



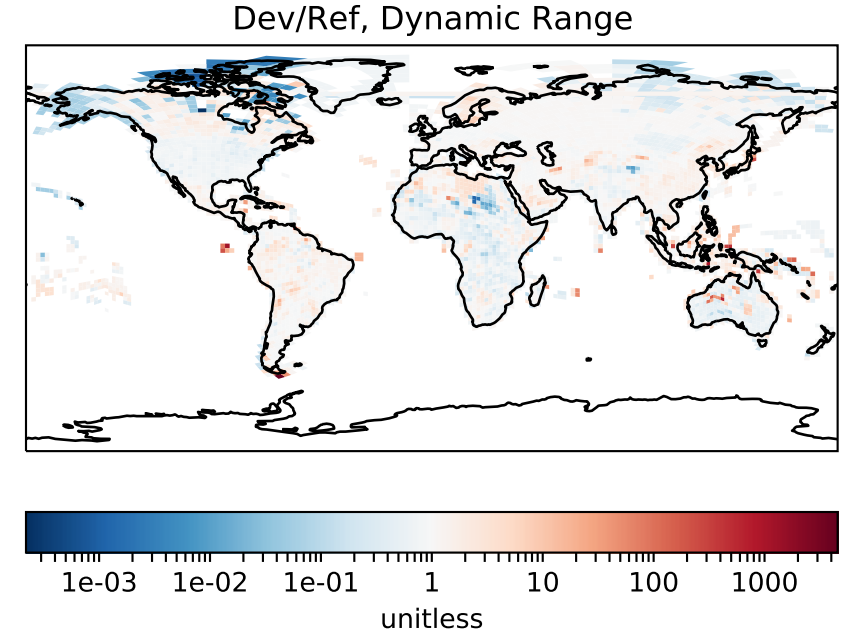
Difference
Dev - Ref, Dynamic Range



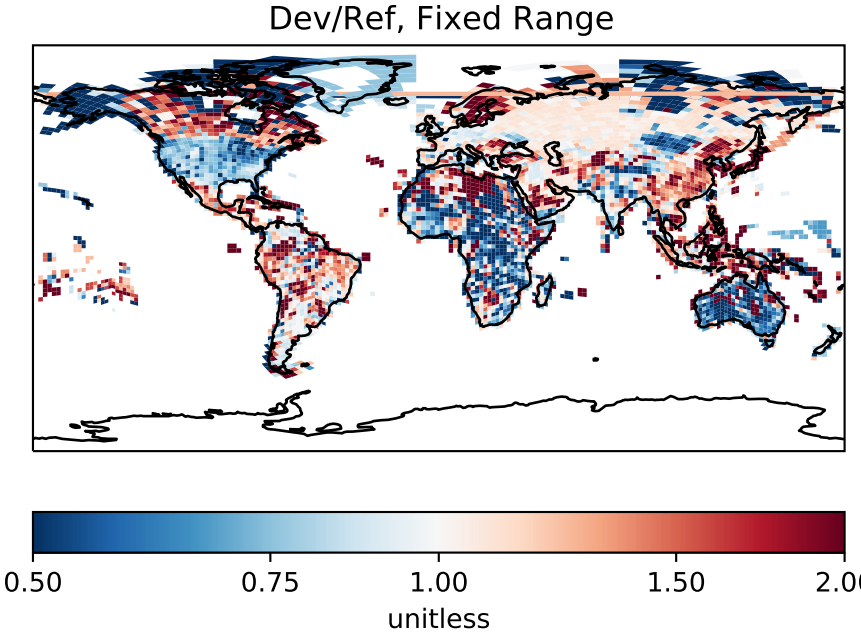
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

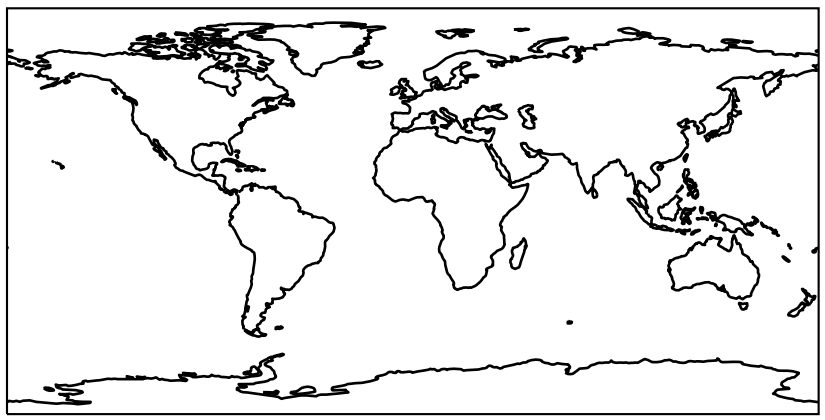


Ratio
Dev/Ref, Fixed Range



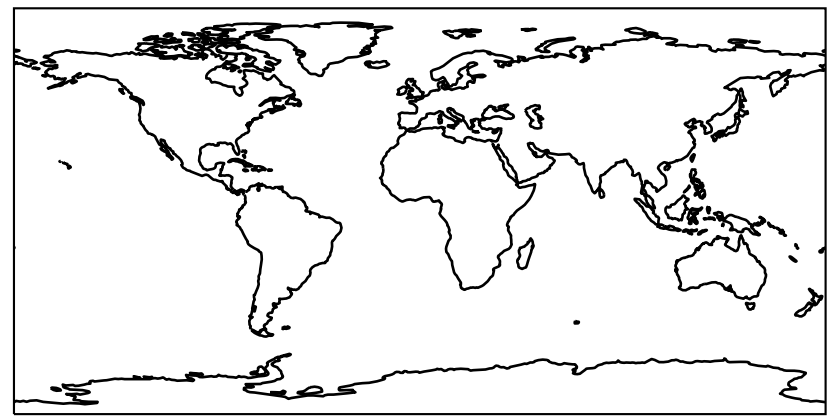
EmisRCHO_Anthro

GCHP_13.1.0-beta.1 (Ref)
c48



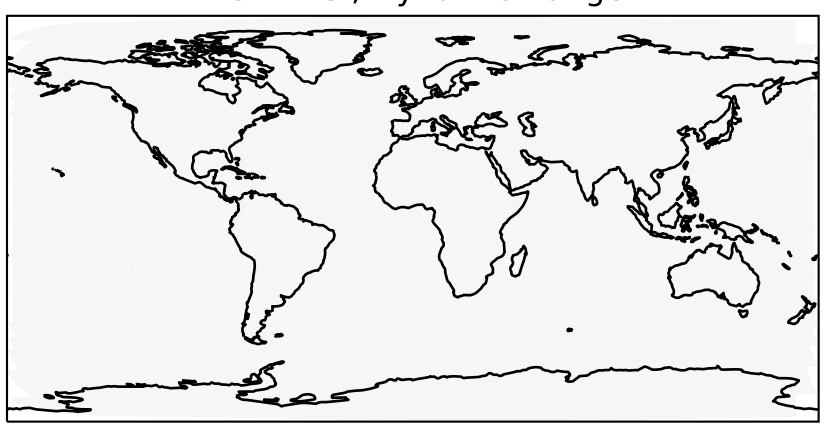
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kg/m2/s

GCHP_13.2.0-beta.0 (Dev)
c48



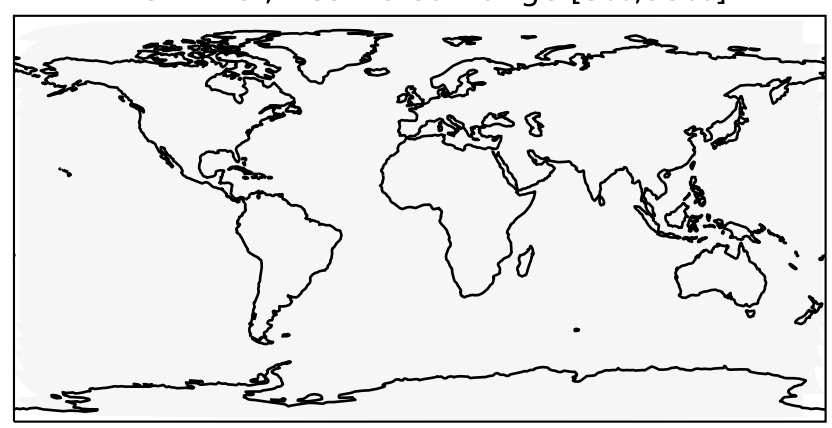
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kg/m2/s

Difference
Dev - Ref, Dynamic Range



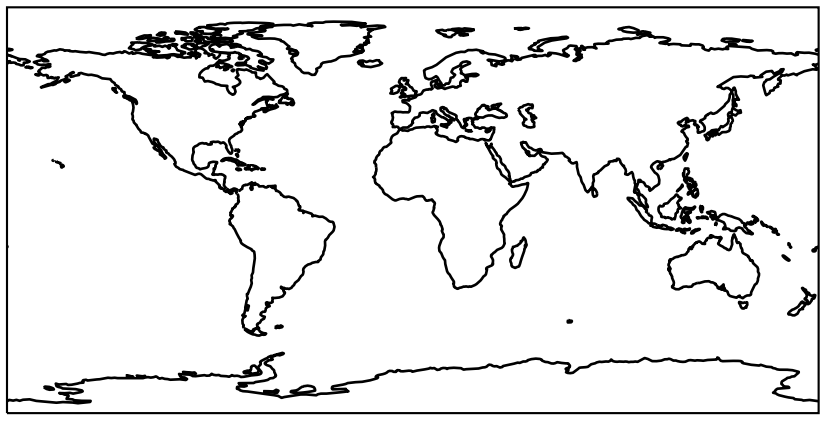
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kg/m2/s

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



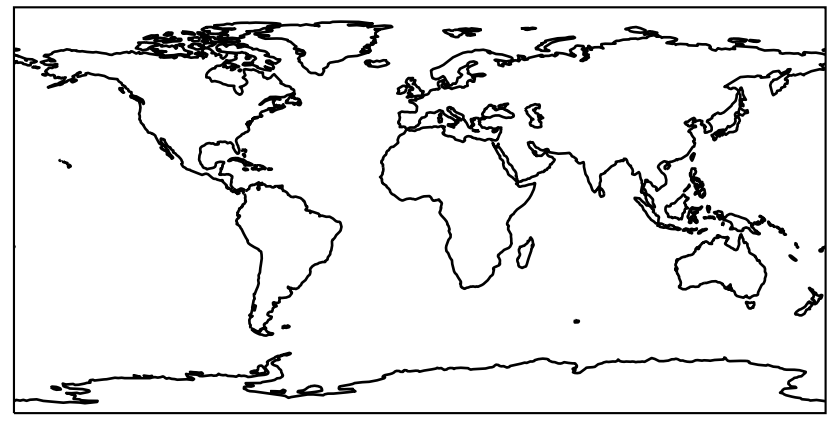
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kg/m2/s

Ratio
Dev/Ref, Dynamic Range



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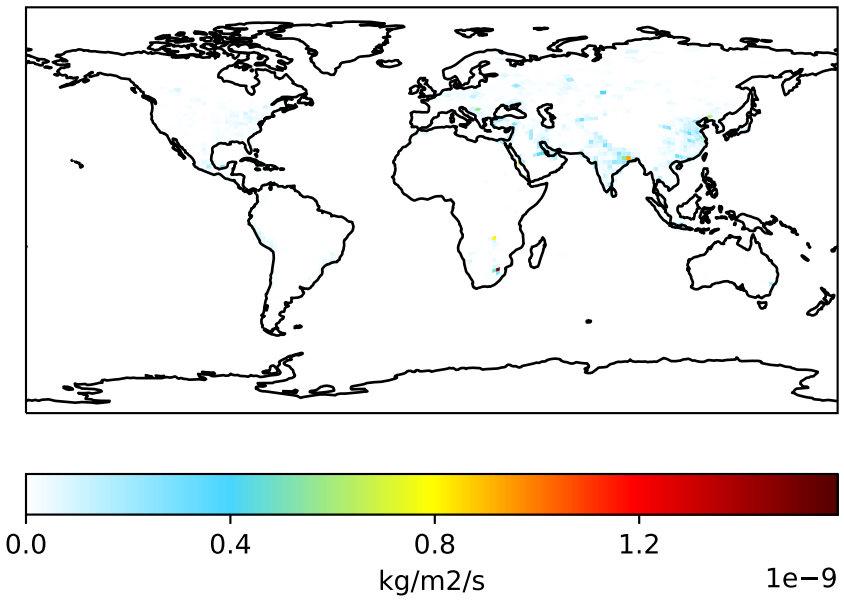
Ratio
Dev/Ref, Fixed Range



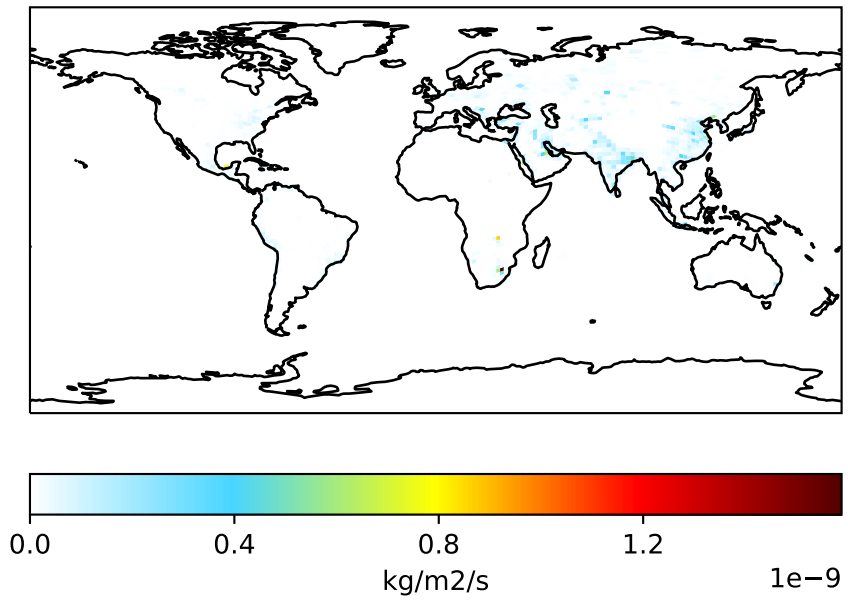
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EmisSO2_Anthro

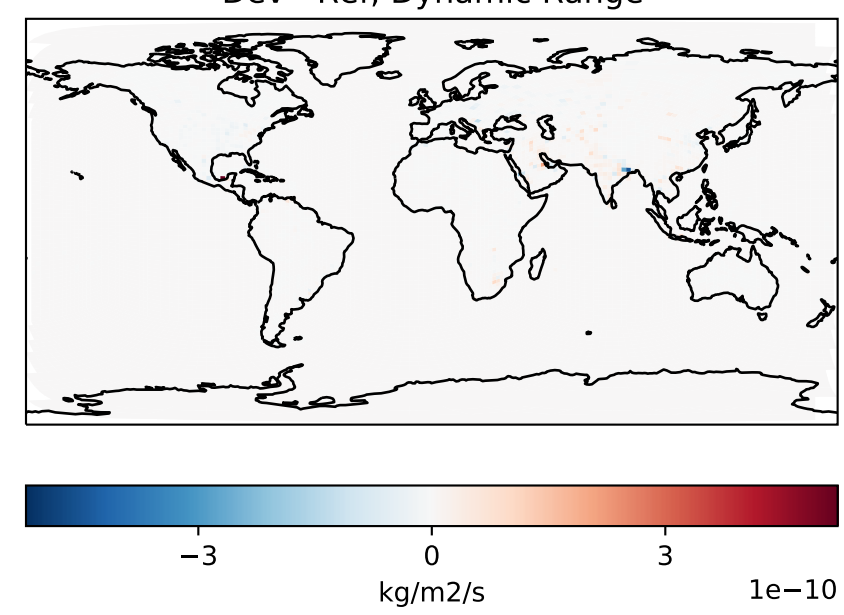
GCHP_13.1.0-beta.1 (Ref)
c48



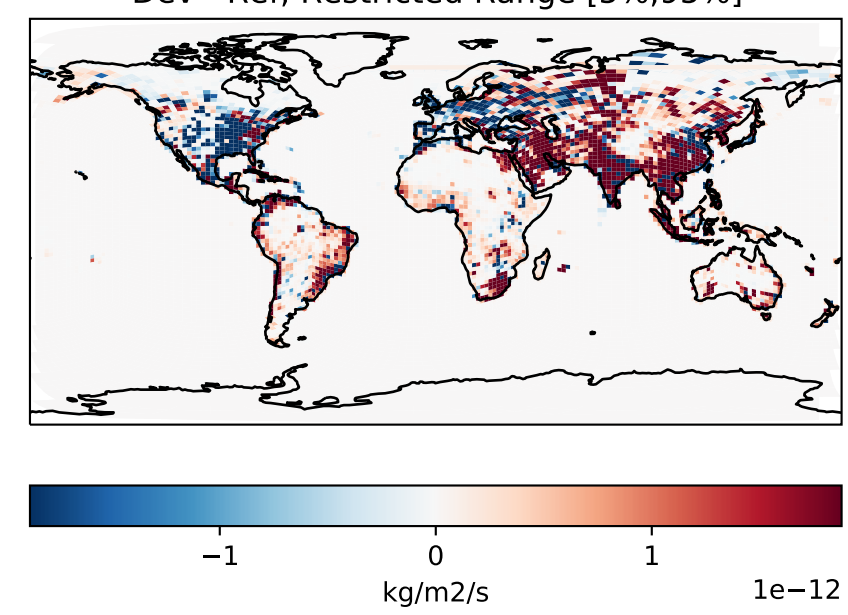
GCHP_13.2.0-beta.0 (Dev)
c48



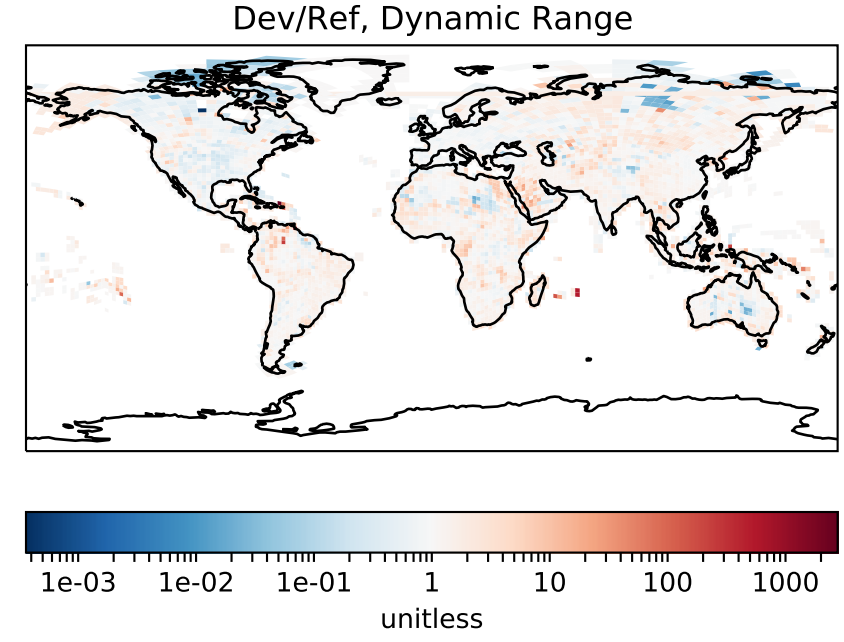
Difference
Dev - Ref, Dynamic Range



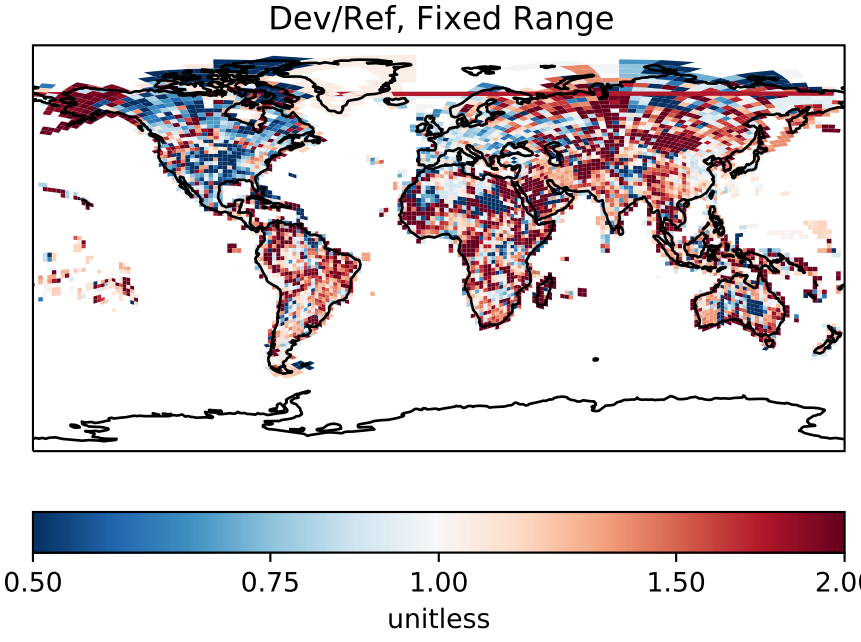
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

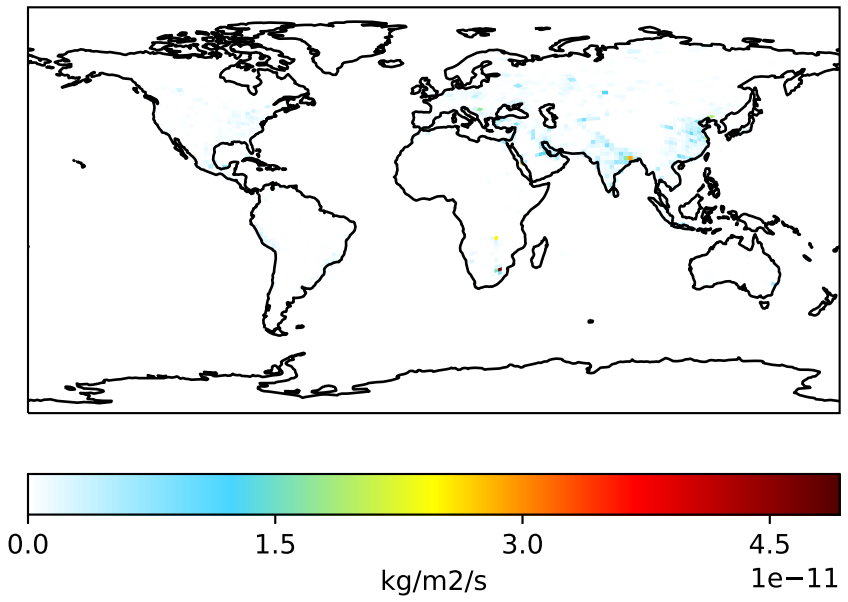


Ratio
Dev/Ref, Fixed Range

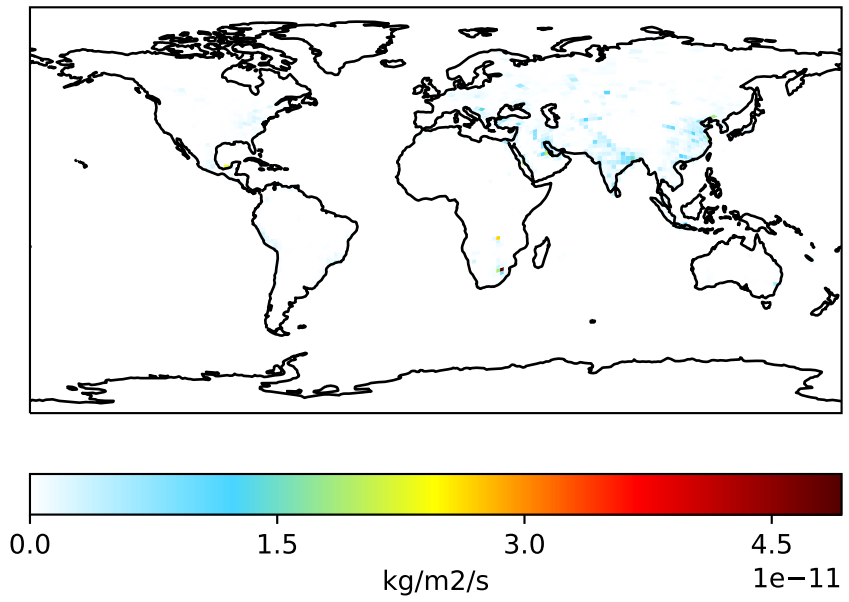


EmisSO4_Anthro

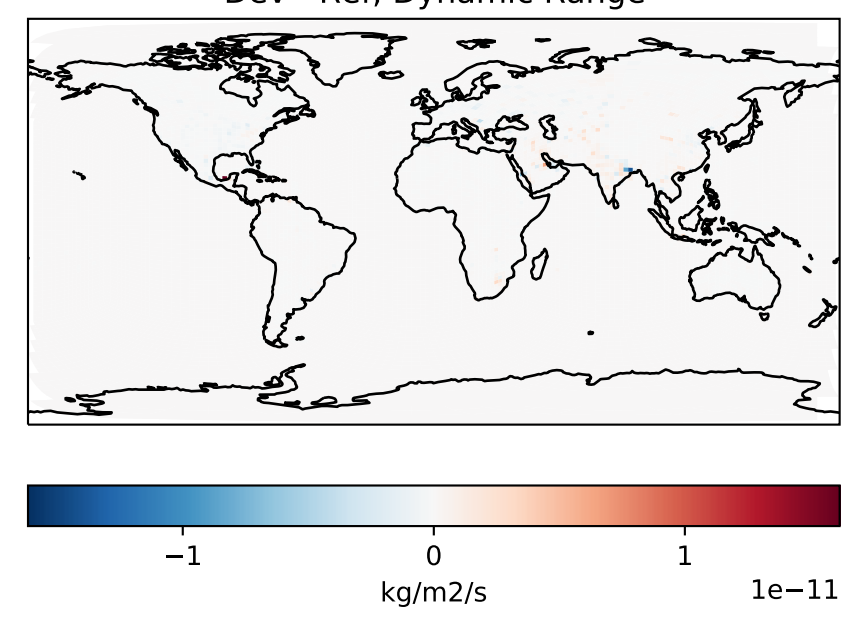
GCHP_13.1.0-beta.1 (Ref)
c48



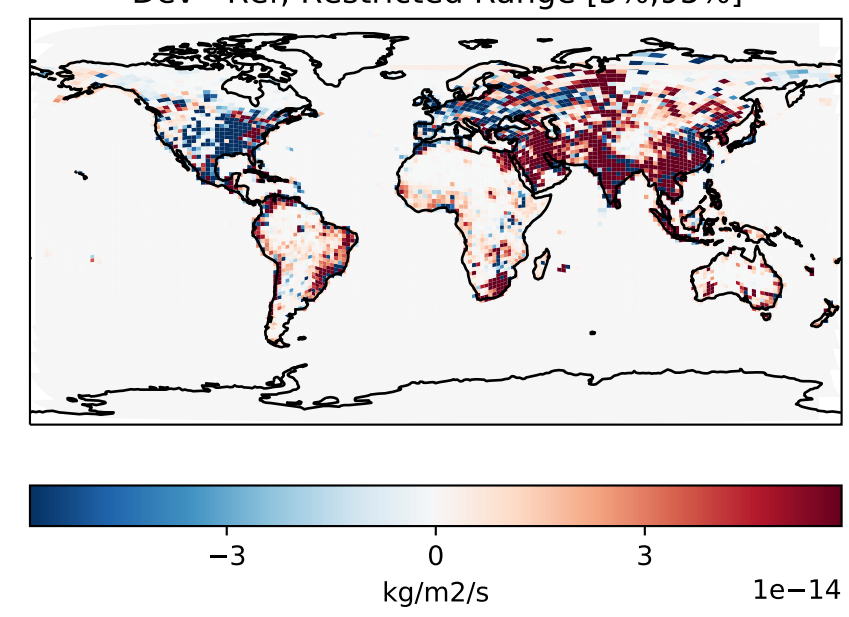
GCHP_13.2.0-beta.0 (Dev)
c48



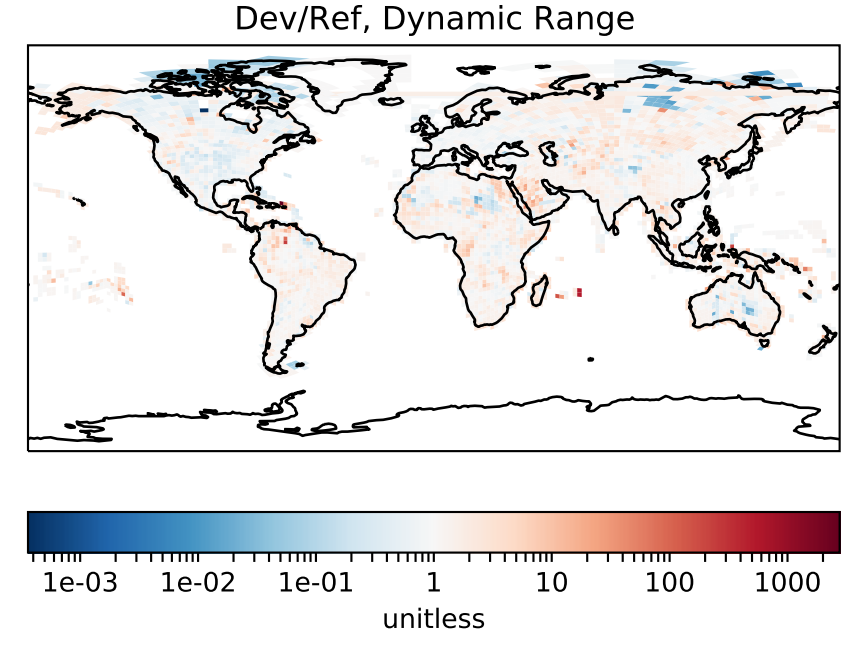
Difference
Dev - Ref, Dynamic Range



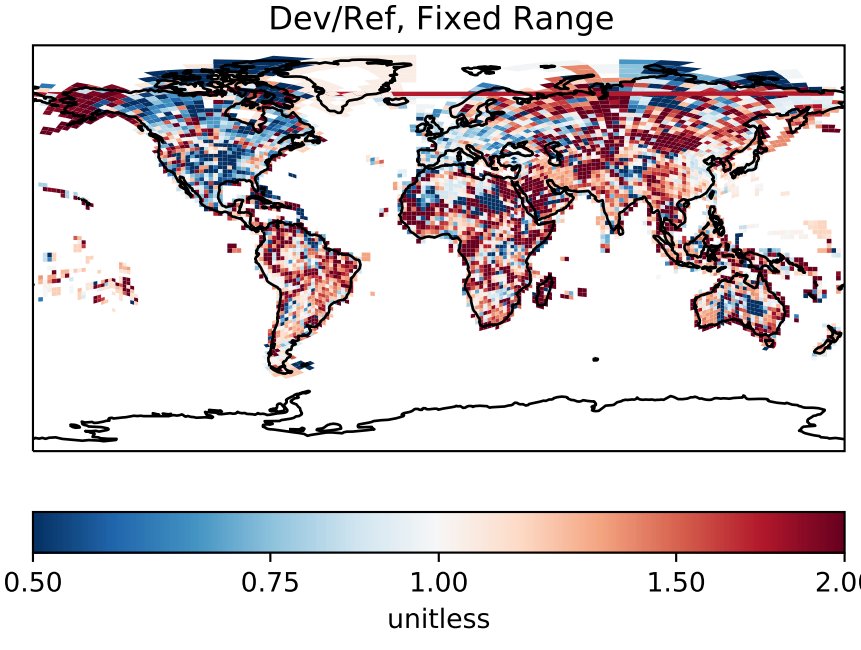
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

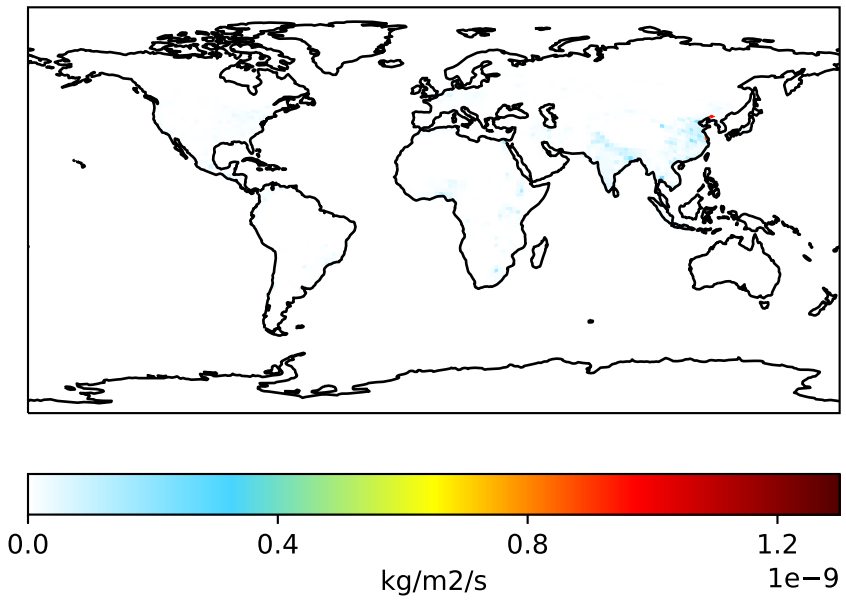


Ratio
Dev/Ref, Fixed Range

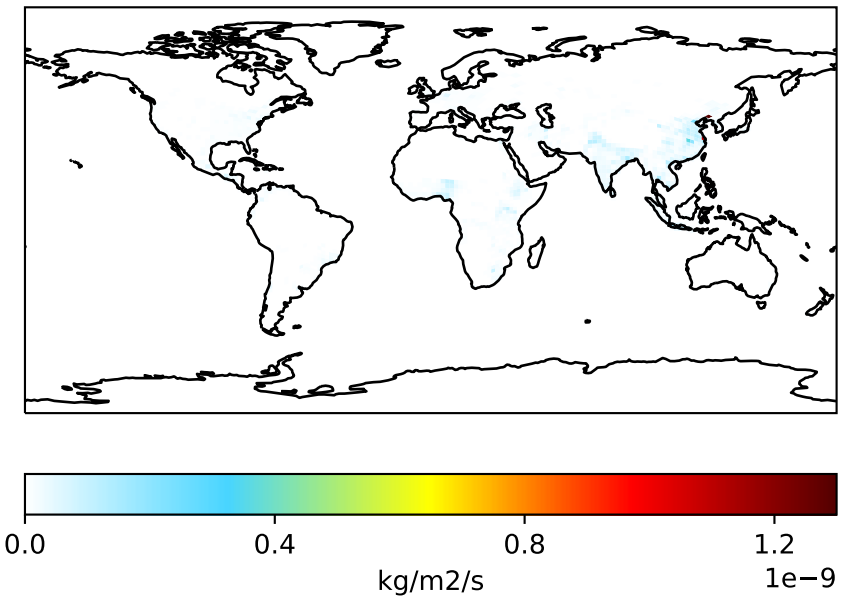


EmisSOAP_Anthro

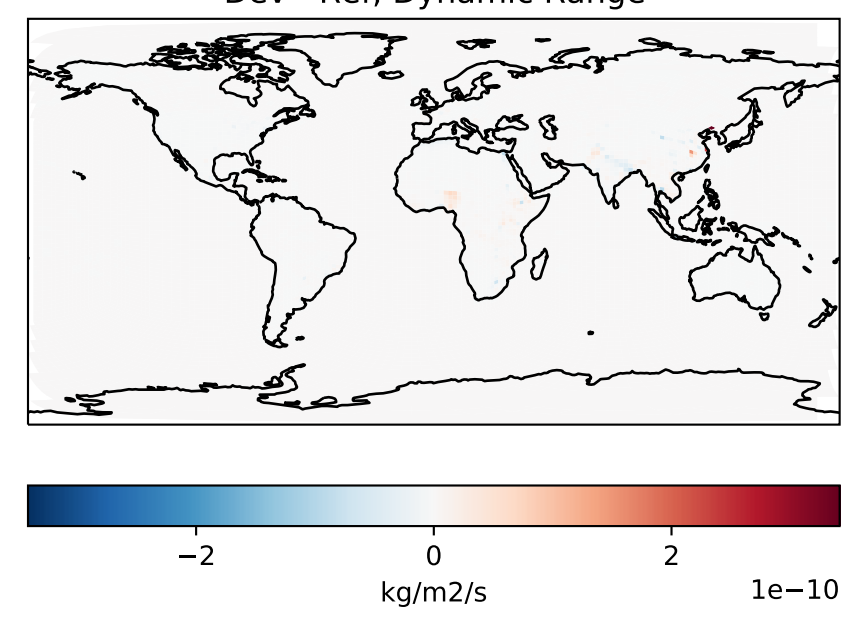
GCHP_13.1.0-beta.1 (Ref)
c48



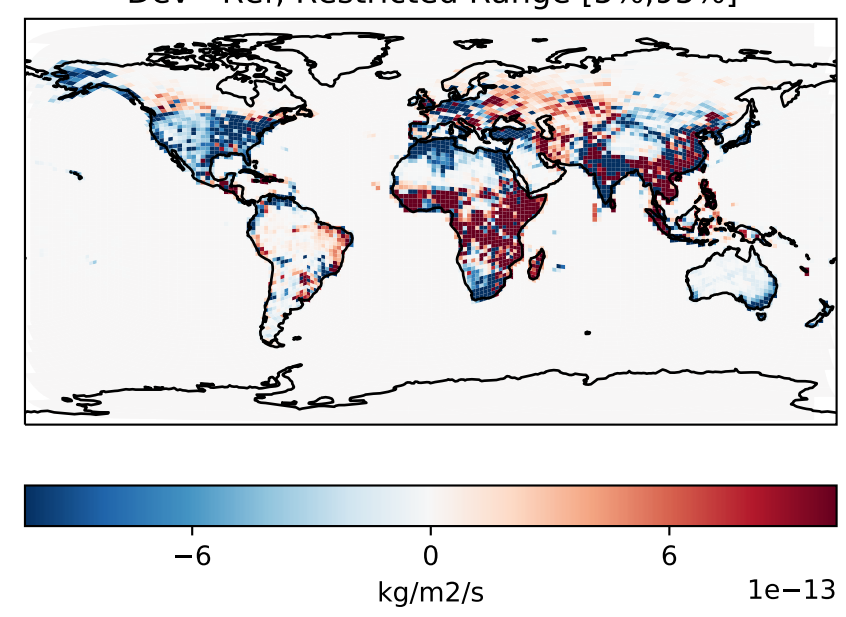
GCHP_13.2.0-beta.0 (Dev)
c48



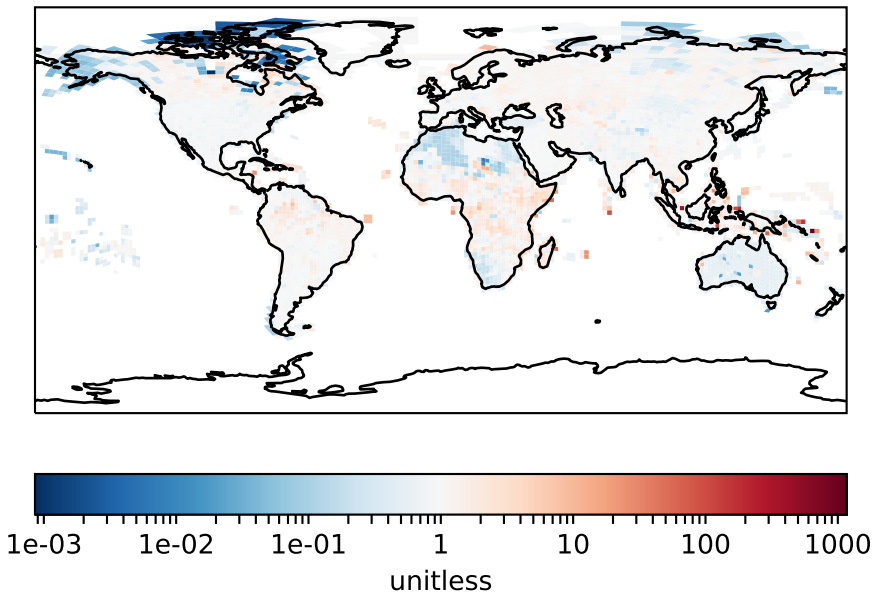
Difference
Dev - Ref, Dynamic Range



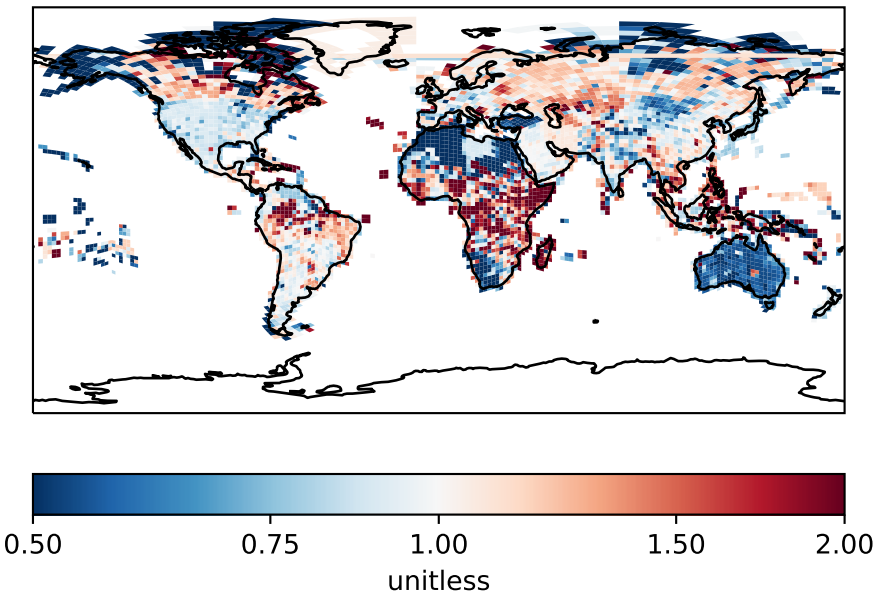
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

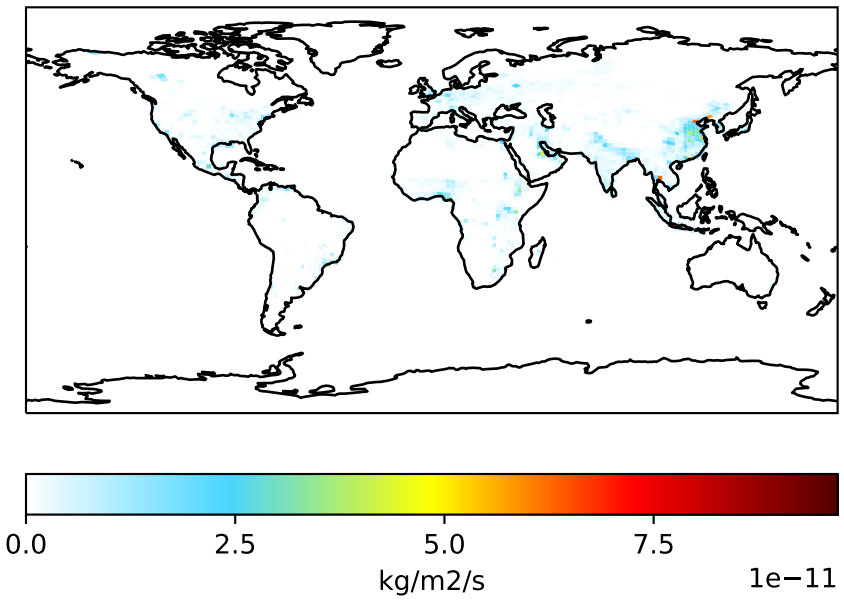


Ratio
Dev/Ref, Fixed Range

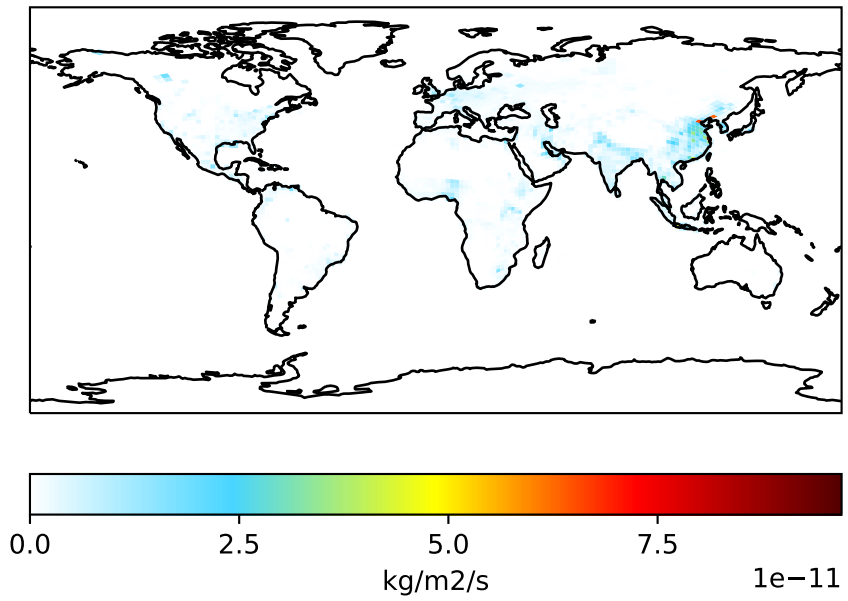


EmisTOLU_Anthro

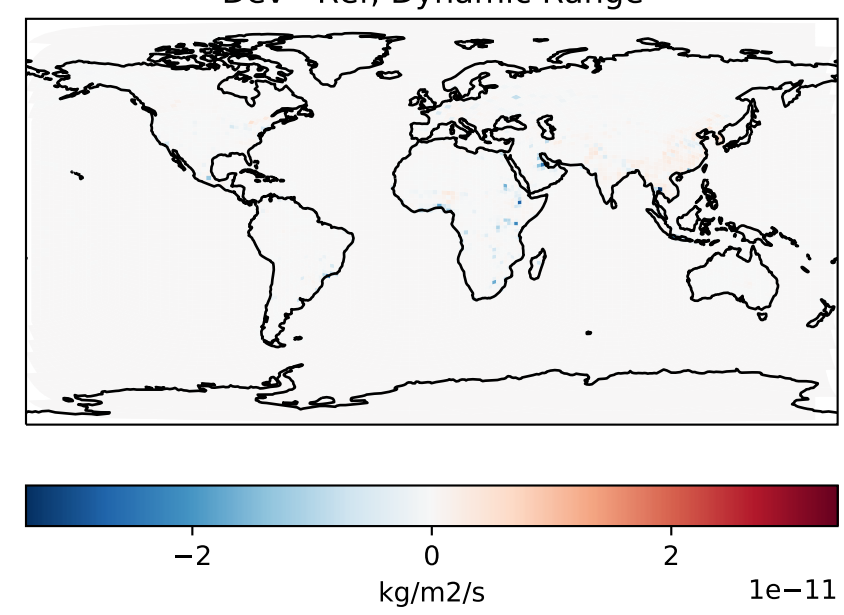
GCHP_13.1.0-beta.1 (Ref)
c48



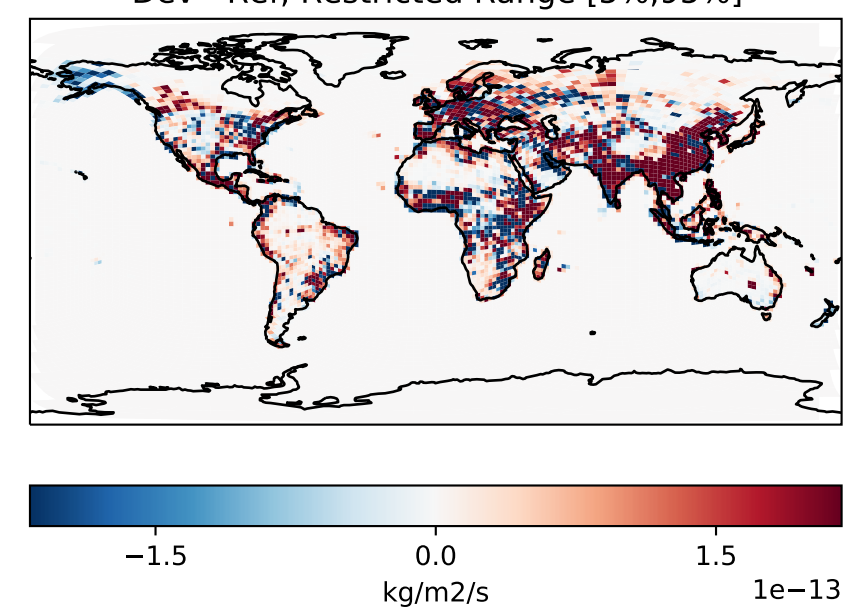
GCHP_13.2.0-beta.0 (Dev)
c48



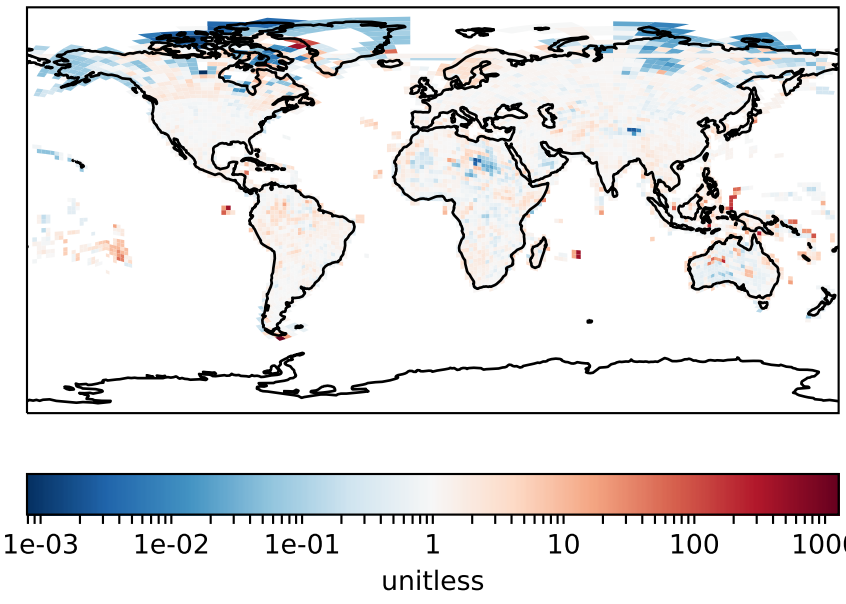
Difference
Dev - Ref, Dynamic Range



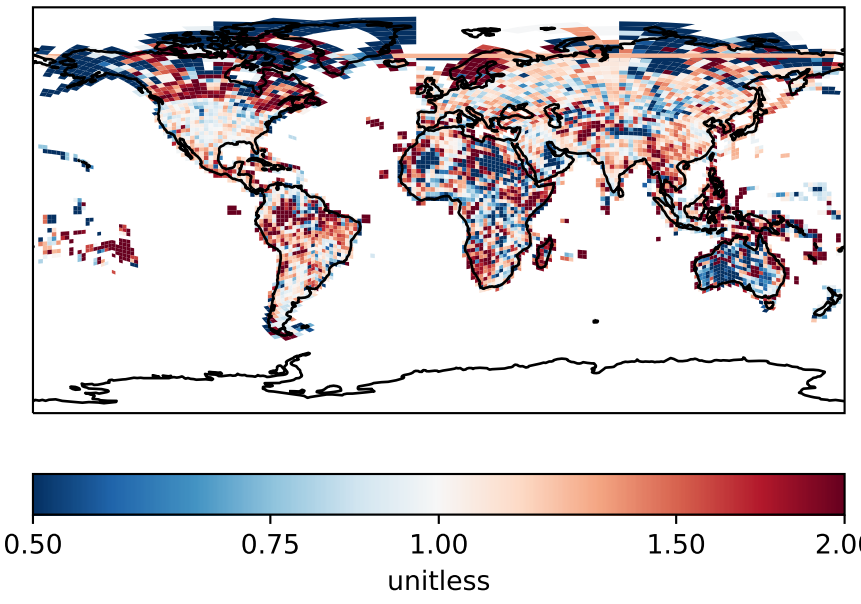
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

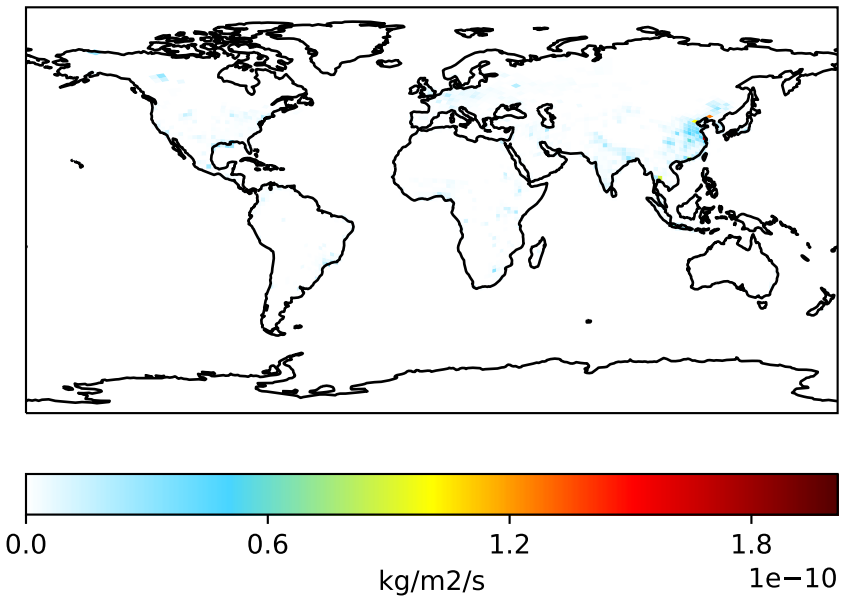


Ratio
Dev/Ref, Fixed Range

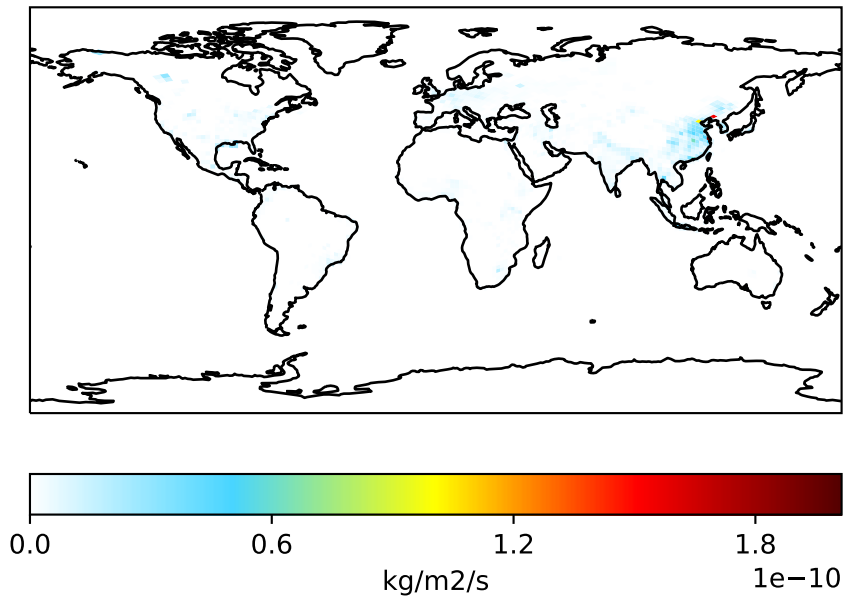


EmisXYLE_Anthro

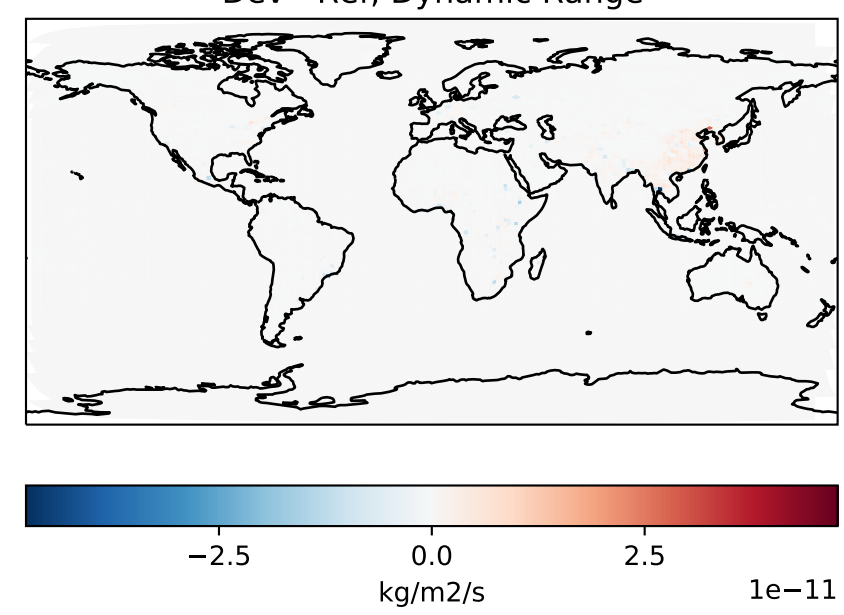
GCHP_13.1.0-beta.1 (Ref)
c48



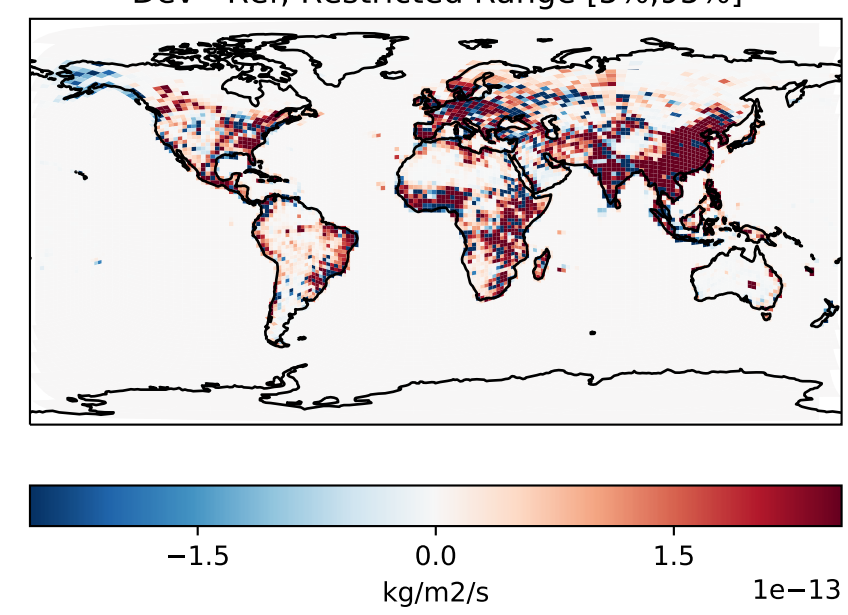
GCHP_13.2.0-beta.0 (Dev)
c48



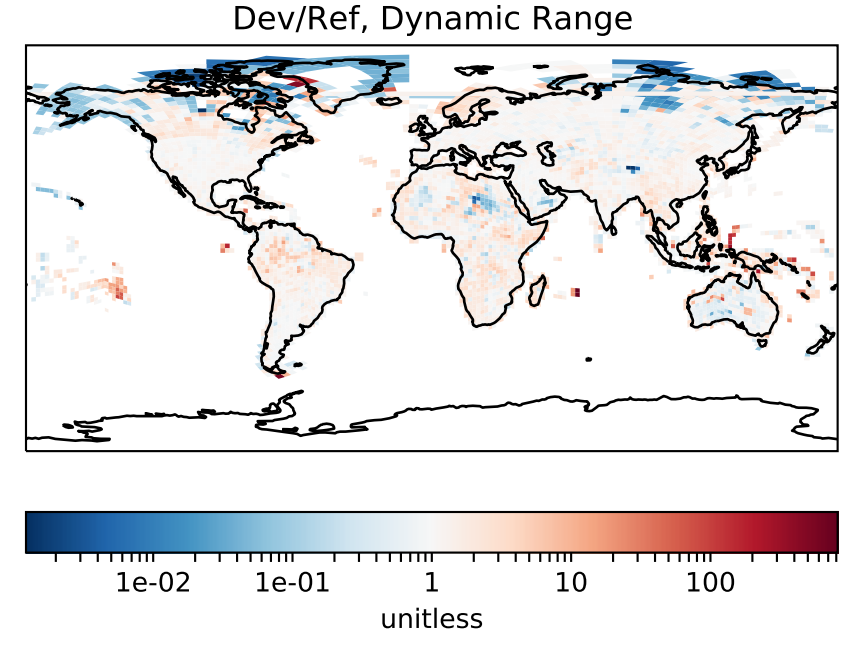
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

