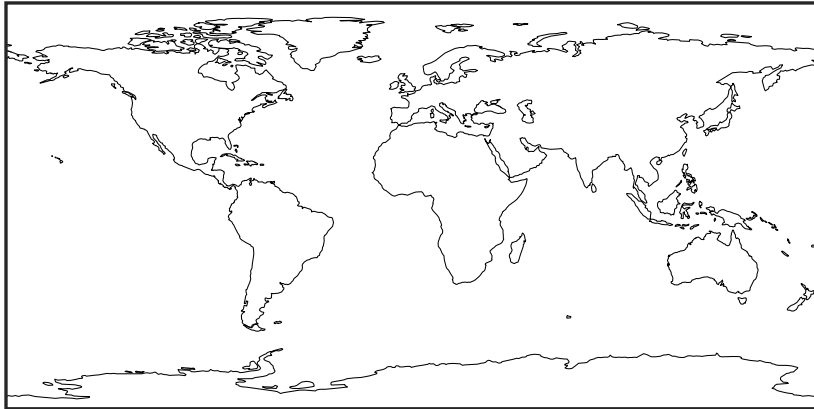


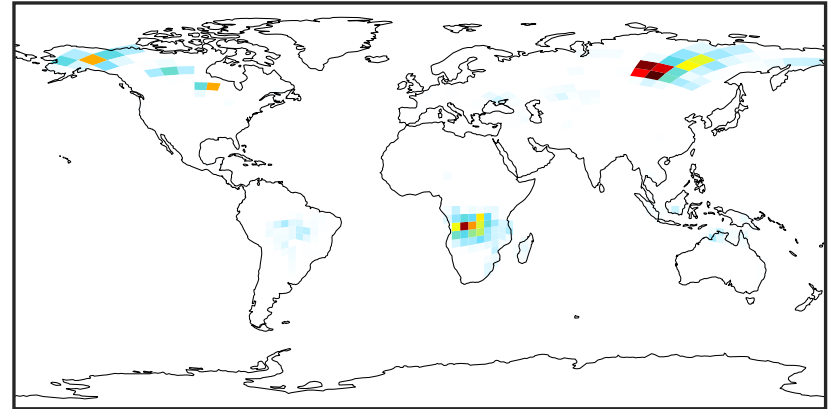
EmisACTA_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



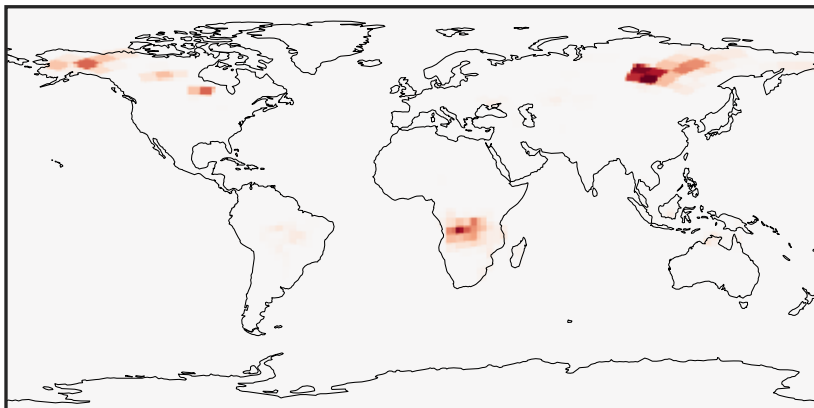
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



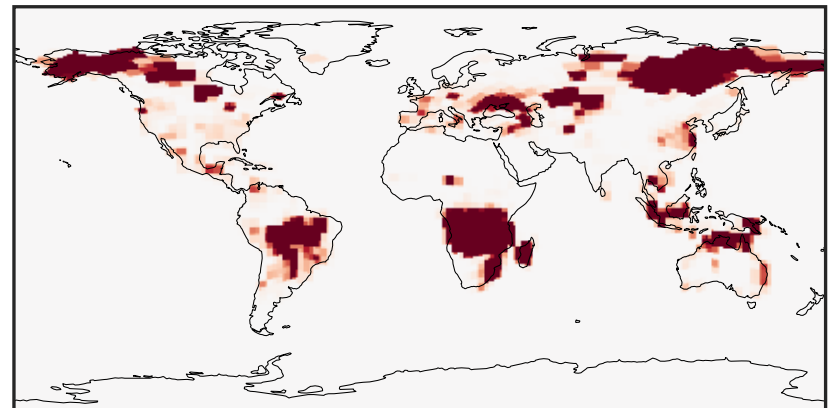
0.0 0.8 1.6 2.4
kg/m²/s 1e-10

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



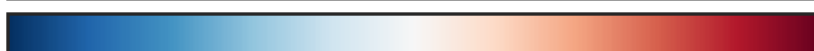
-1.5 0.0 1.5
kg/m²/s 1e-10

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



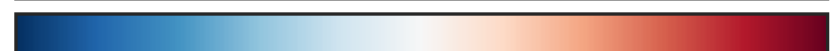
-1 0 1
kg/m²/s 1e-12

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



Undefined throughout domain
unitless

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



Undefined throughout domain
unitless

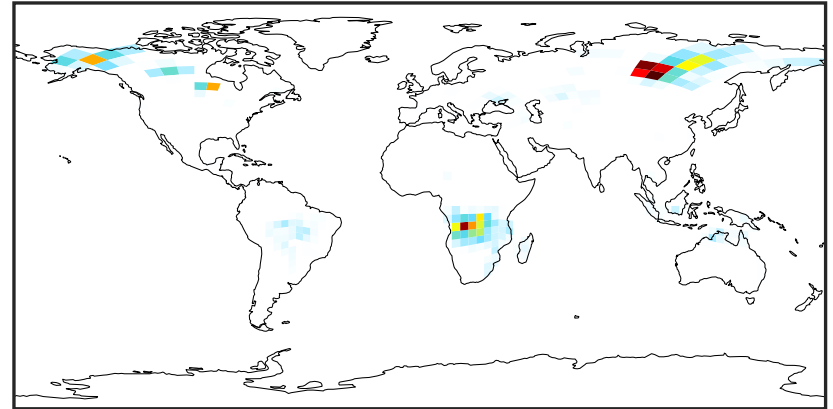
EmisACTA_Total (Jul2019)

GCHP_14.0.0 (Ref)
c24



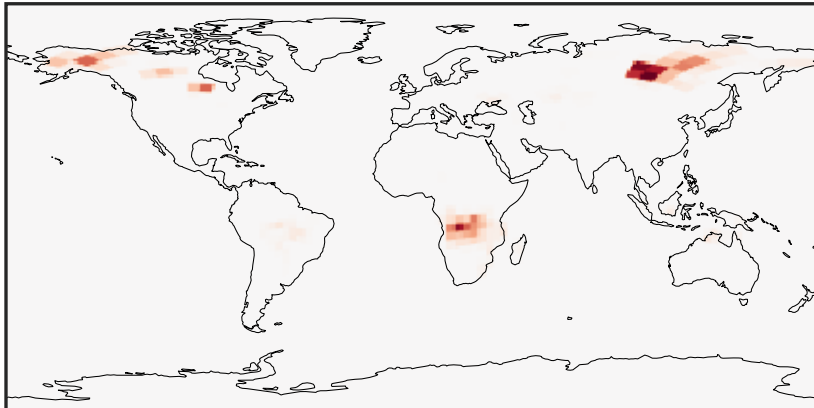
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



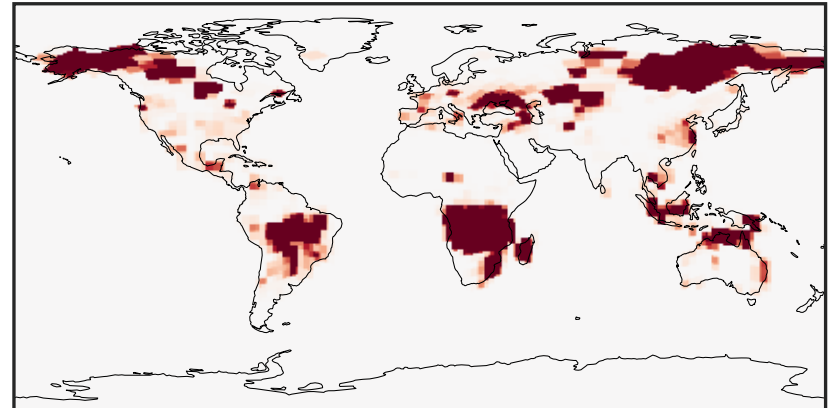
0.0 0.8 1.6 2.4
kg/m²/s 1e-10

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



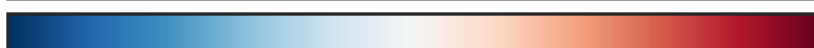
-1.5 0.0 1.5
kg/m²/s 1e-10

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



-1 0 1
kg/m²/s 1e-12

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



Undefined throughout domain
unitless

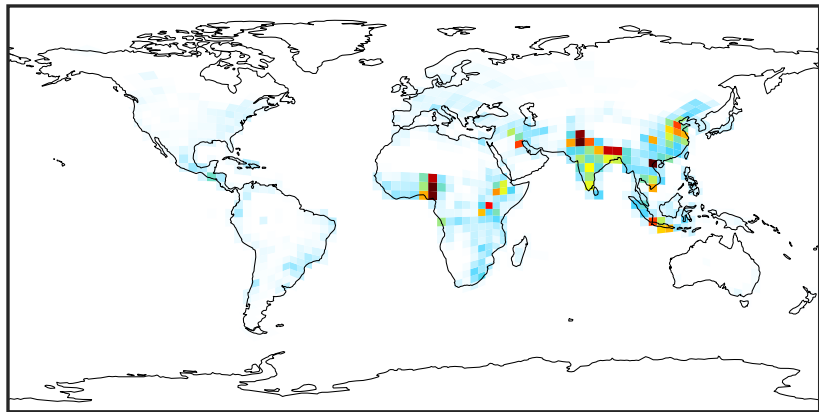
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

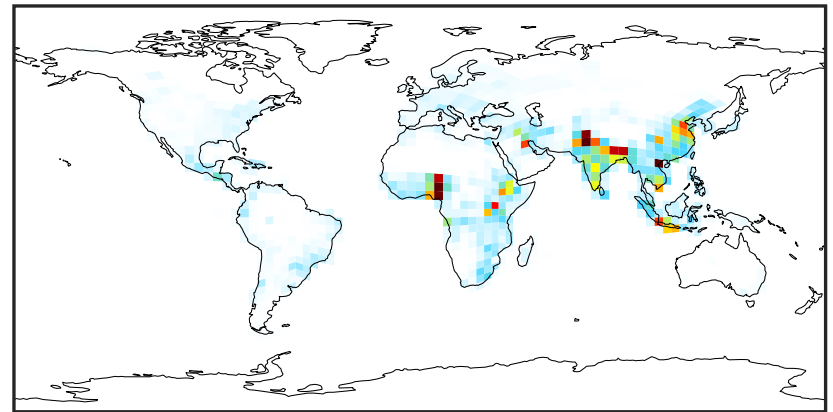
EmisALD2_Anthro (Jul2019)

GCHP_14.0.0 (Ref)
c24



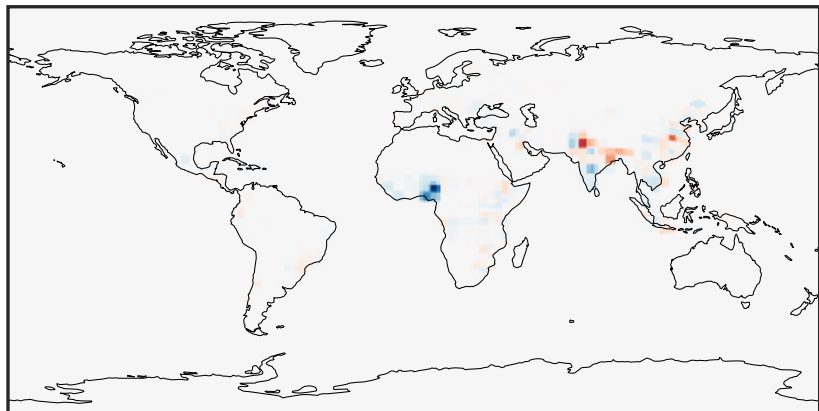
0.0 1.5 3.0 4.5
kg/m²/s 1e-12

GCHP_14.2.0 (Dev)
c24



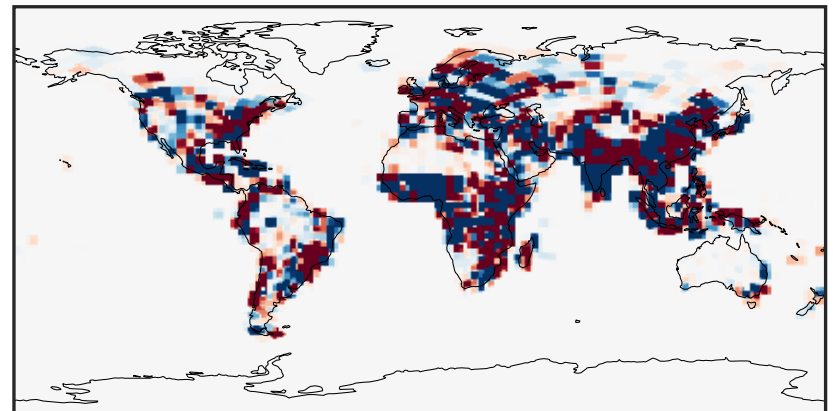
0.0 1.5 3.0 4.5
kg/m²/s 1e-12

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



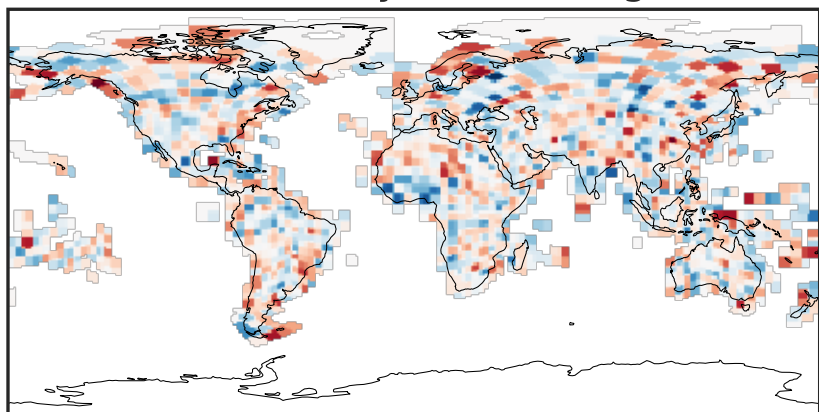
-1.5 0.0 1.5
kg/m²/s 1e-16

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



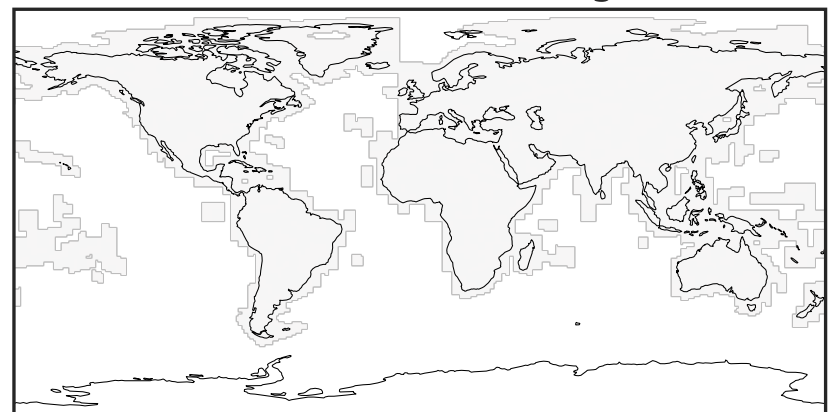
-6 0 6
kg/m²/s 1e-19

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



0.9999373 1.000000 1.0000627
unitless

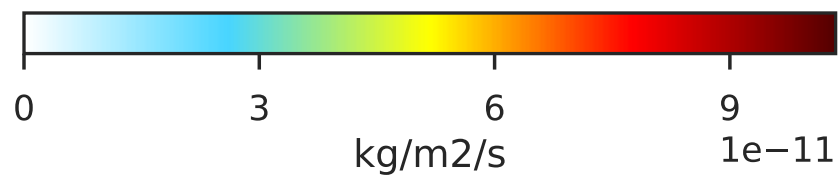
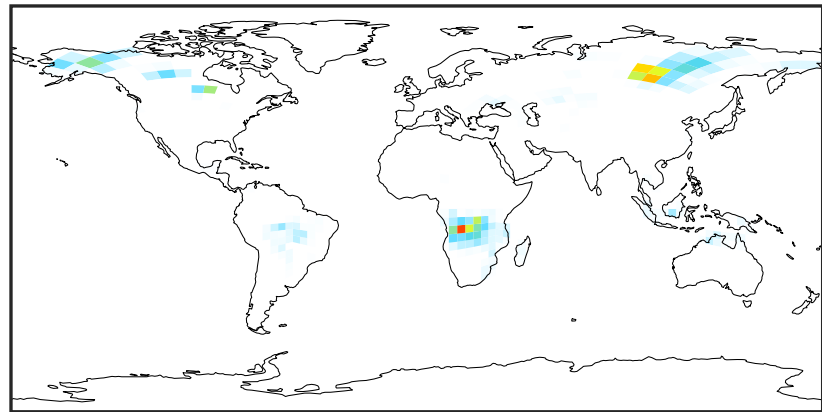
Ratio (1x1.25)
Dev/Ref, Fixed Range



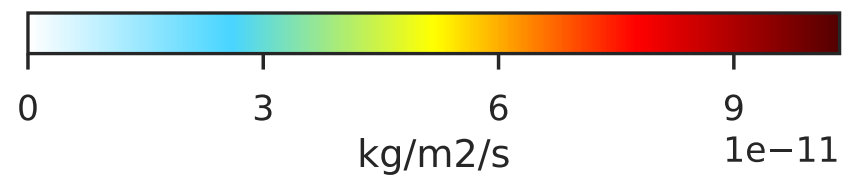
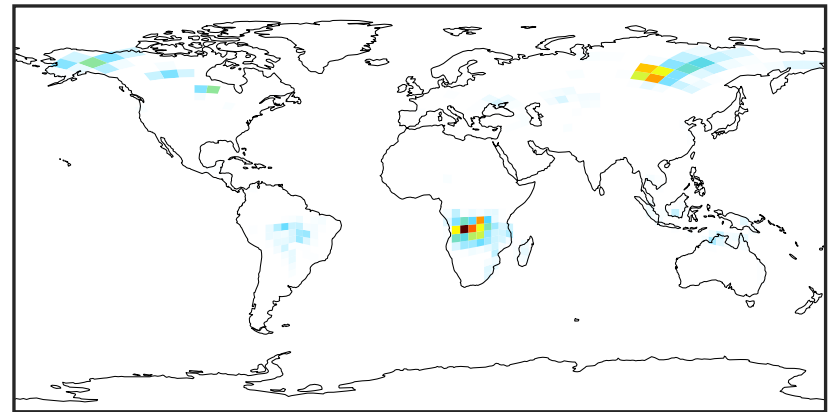
0.50 0.75 1.00 1.50 2.00
unitless

EmisALD2_BioBurn (Jul2019)

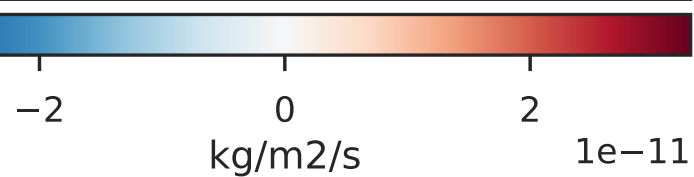
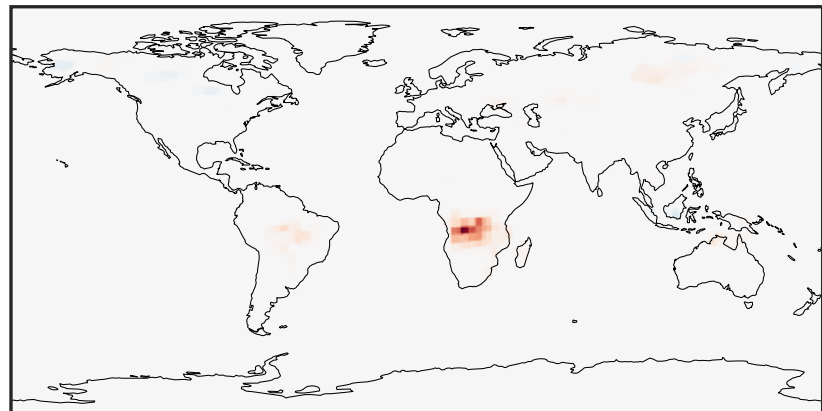
GCHP_14.0.0 (Ref)
c24



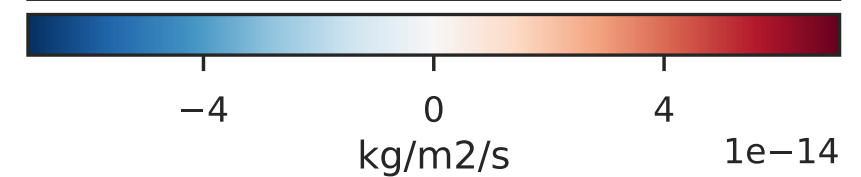
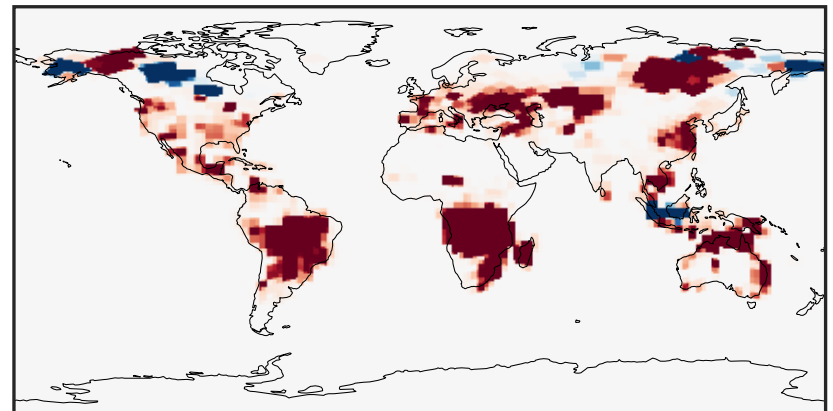
GCHP_14.2.0 (Dev)
c24



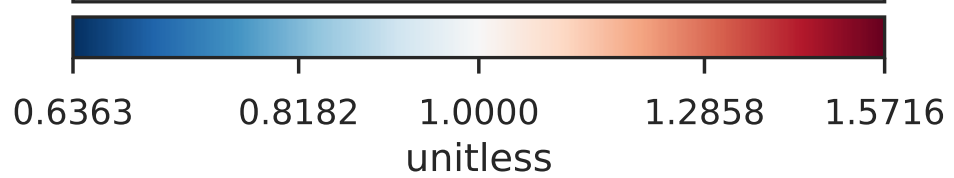
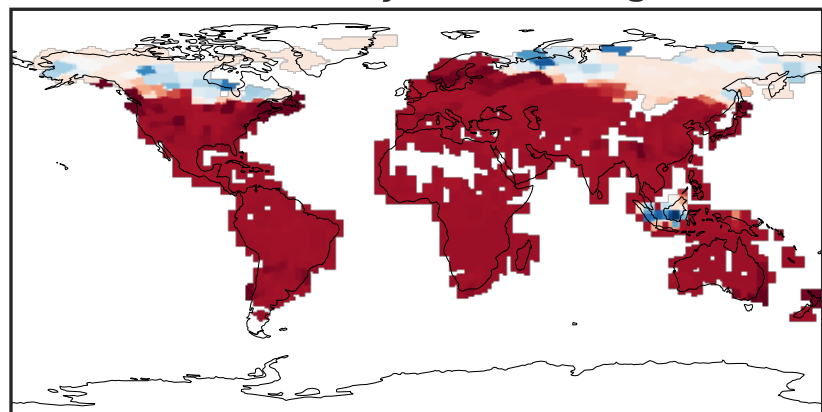
Difference (1x1.25)
Dev - Ref, Dynamic Range



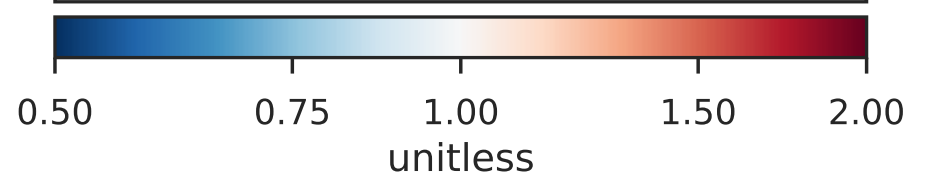
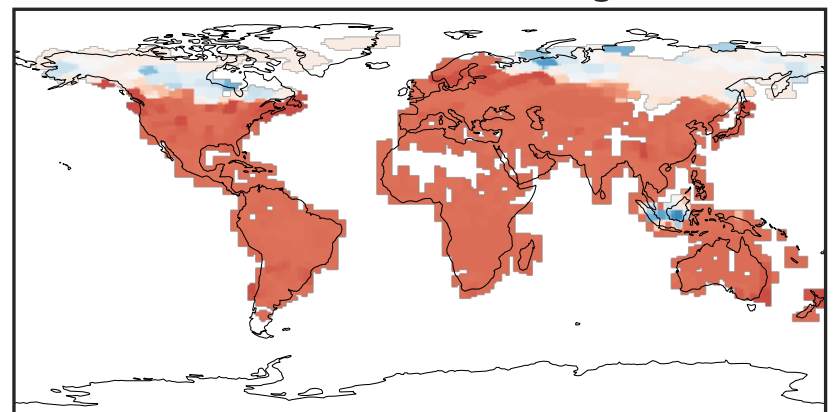
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

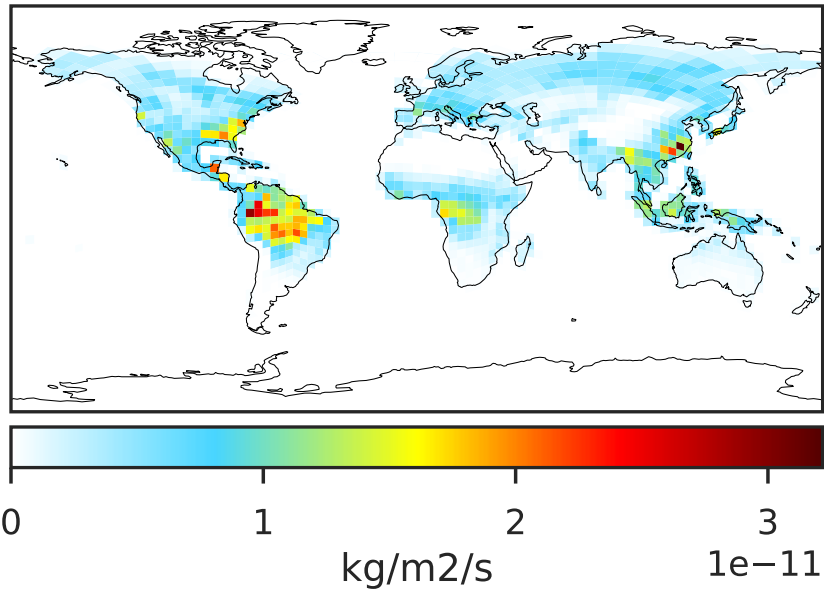


Ratio (1x1.25)
Dev/Ref, Fixed Range

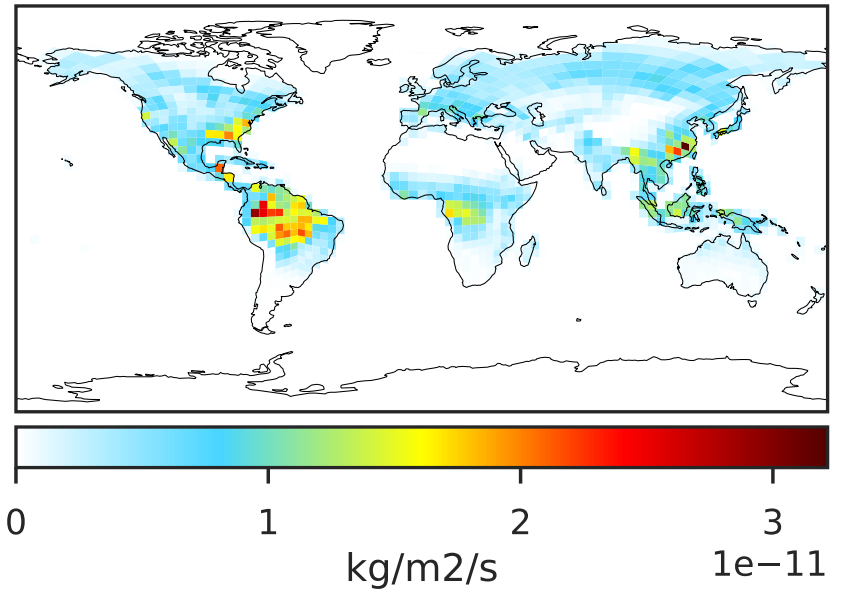


EmisALD2_Biogenic (Jul2019)

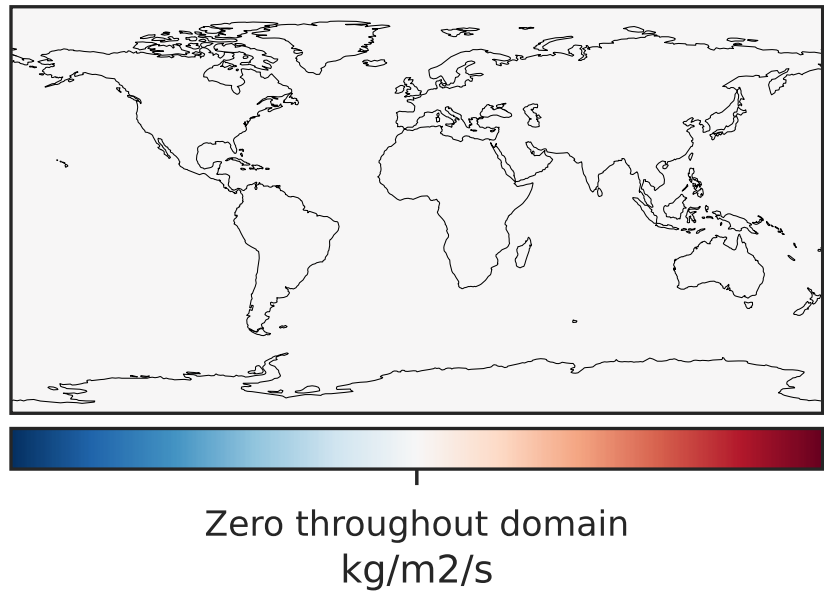
GCHP_14.0.0 (Ref)
c24



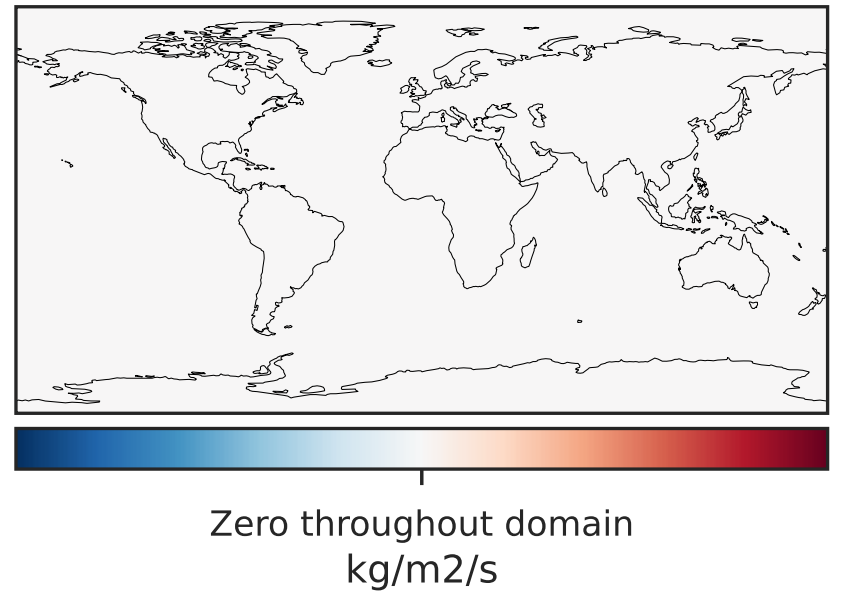
GCHP_14.2.0 (Dev)
c24



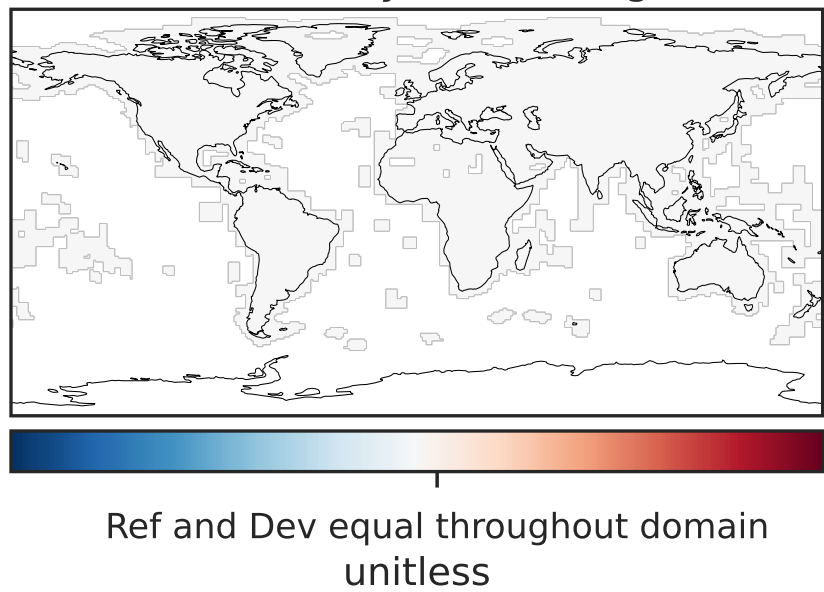
Difference (1x1.25)
Dev - Ref, Dynamic Range



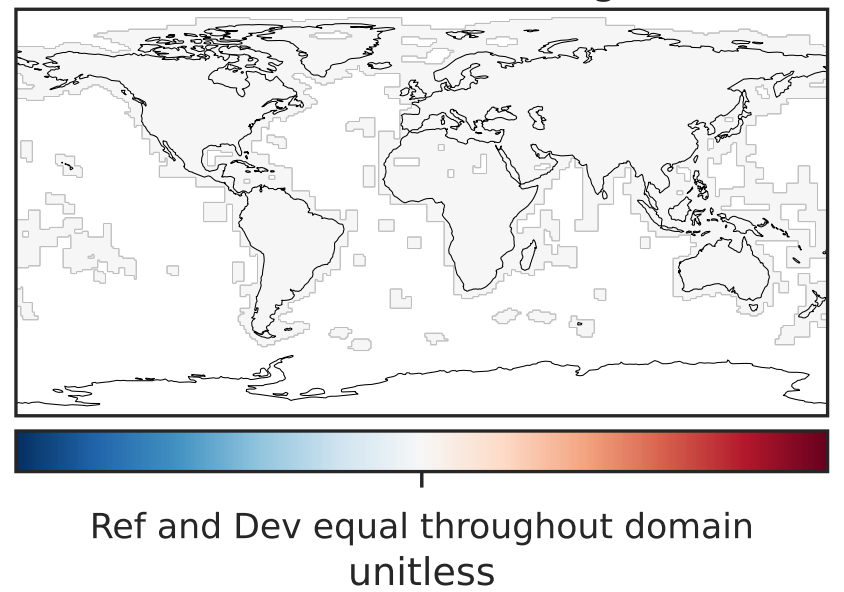
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

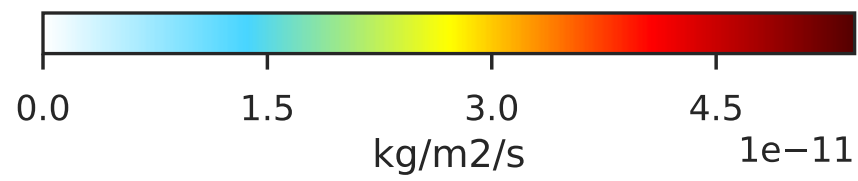
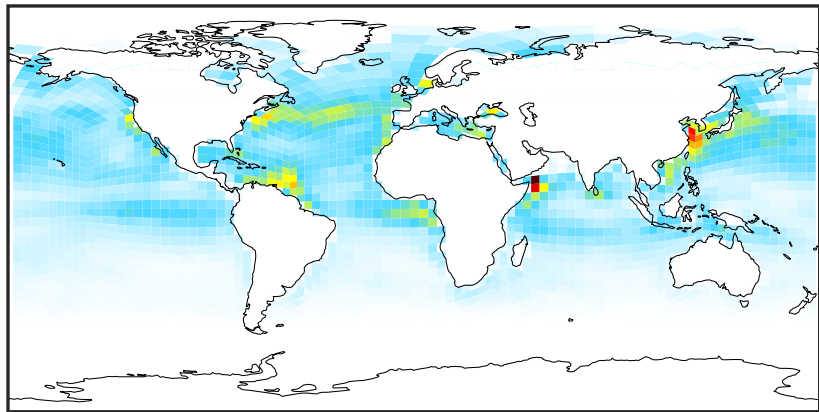


Ratio (1x1.25)
Dev/Ref, Fixed Range

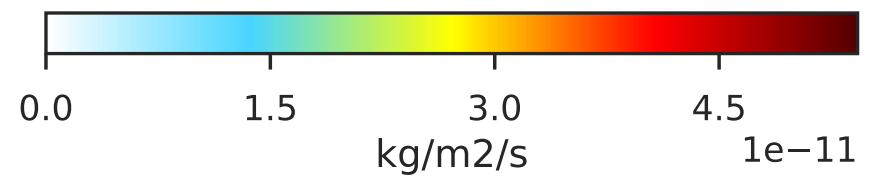
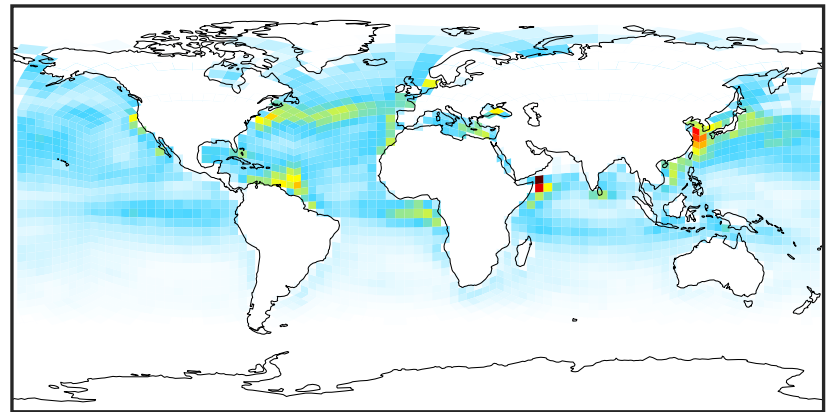


EmisALD2_Ocean (Jul2019)

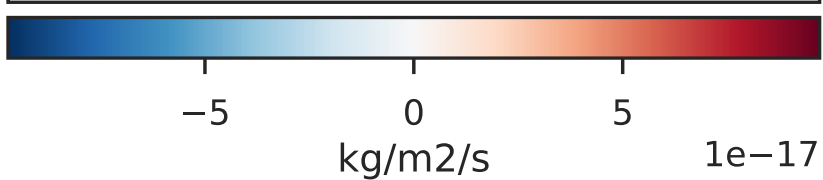
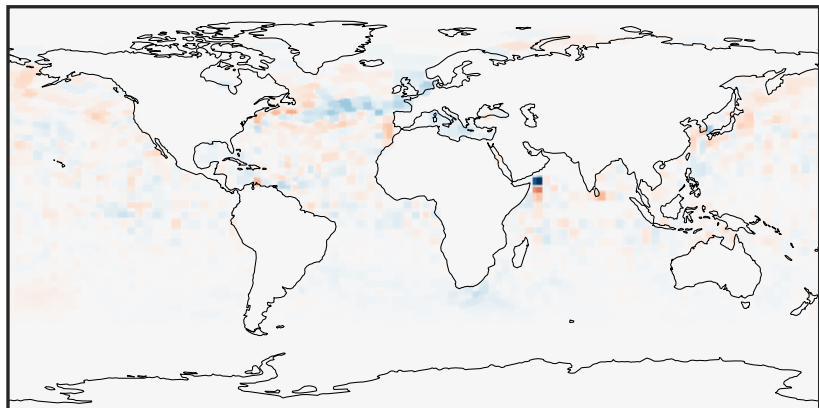
GCHP_14.0.0 (Ref)
c24



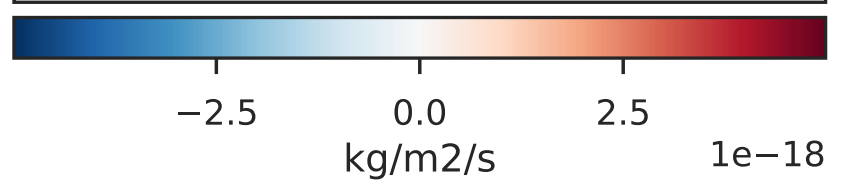
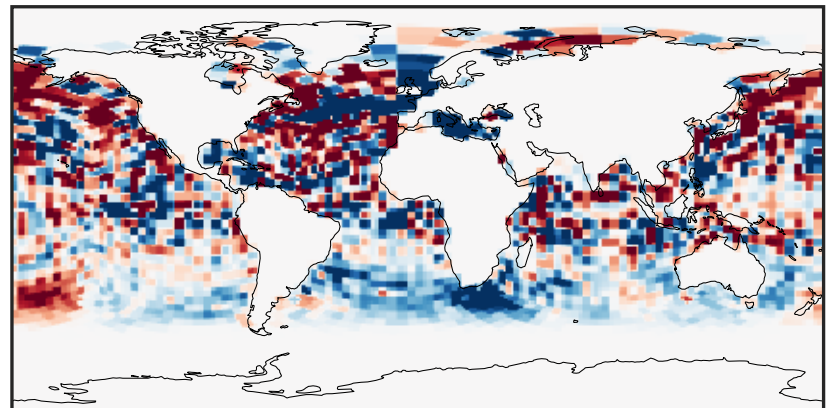
GCHP_14.2.0 (Dev)
c24



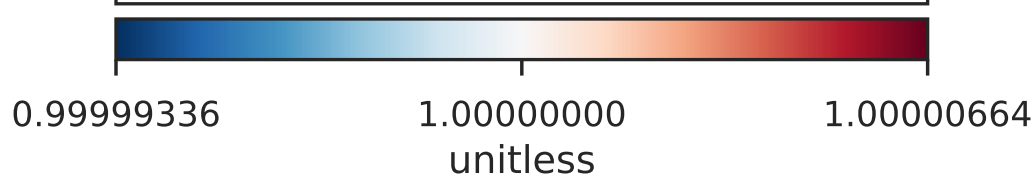
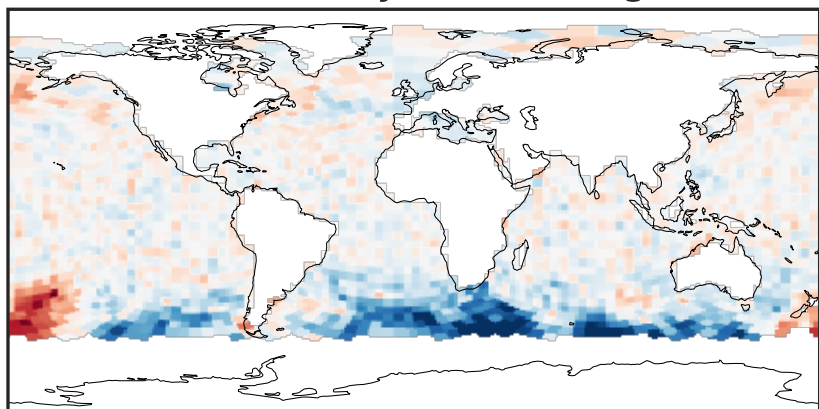
Difference (1x1.25)
Dev - Ref, Dynamic Range



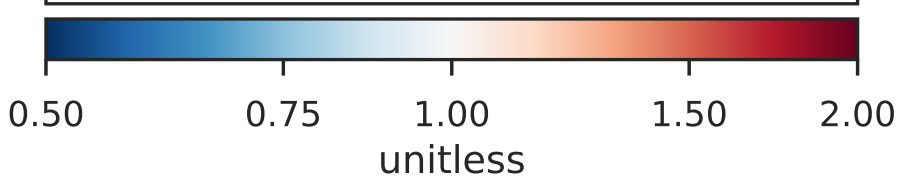
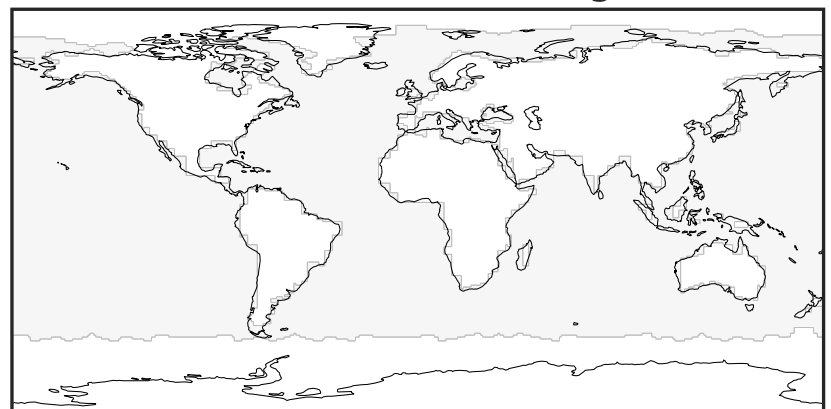
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

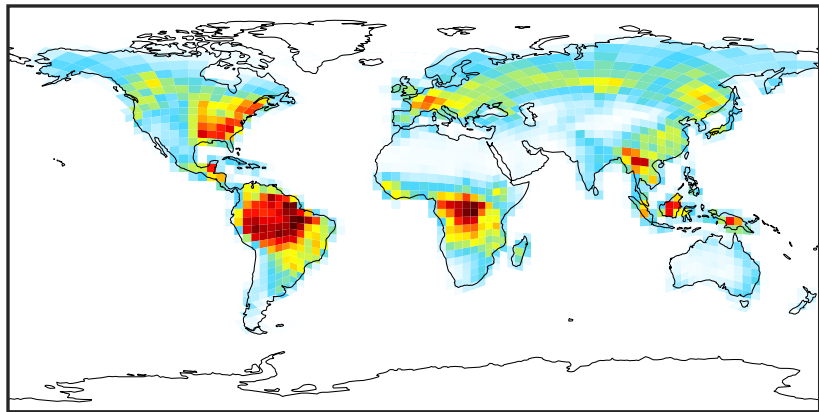


Ratio (1x1.25)
Dev/Ref, Fixed Range



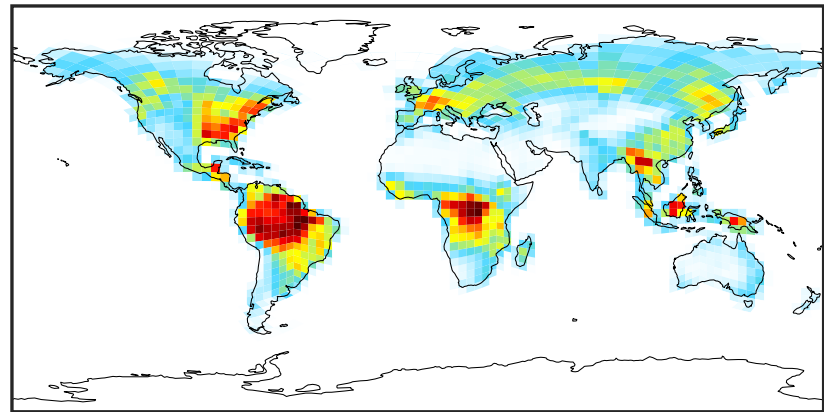
EmisALD2_PlantDecay (Jul2019)

GCHP_14.0.0 (Ref)
c24



0.0 1.5 3.0 4.5
kg/m²/s 1e-12

GCHP_14.2.0 (Dev)
c24



0.0 1.5 3.0 4.5
kg/m²/s 1e-12

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



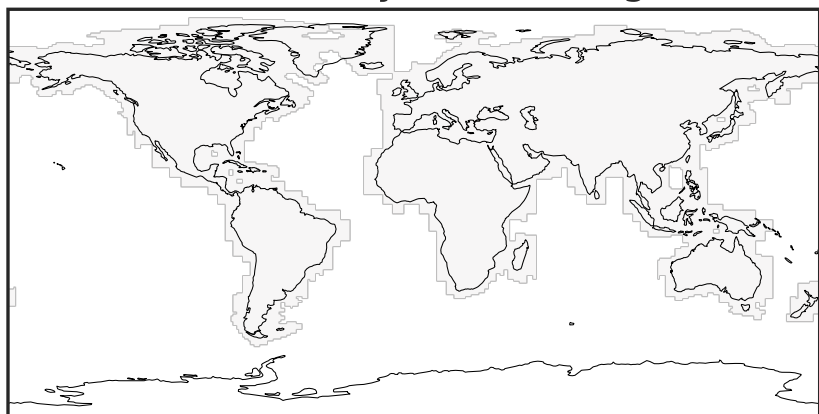
Zero throughout domain
kg/m²/s

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



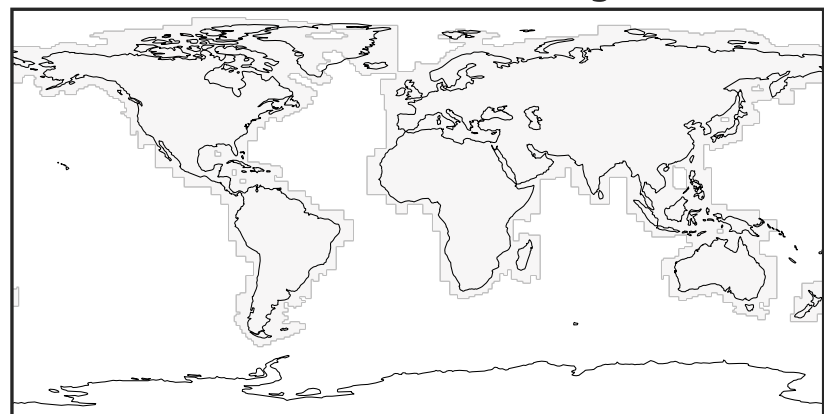
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

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



Ref and Dev equal throughout domain
unitless

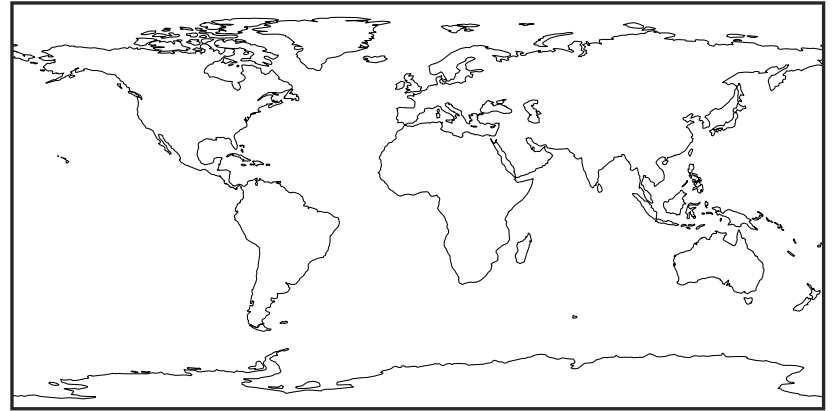
EmisALD2_Ship (Jul2019)

GCHP_14.0.0 (Ref)
c24



Zero throughput domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



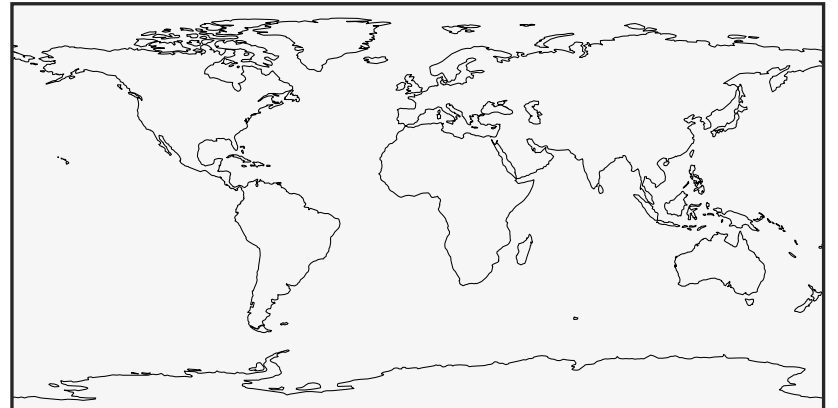
Zero throughput domain
kg/m²/s

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



Zero throughput domain
kg/m²/s

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



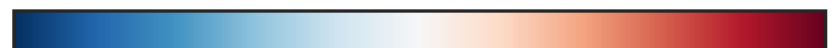
Zero throughput domain
kg/m²/s

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



Undefined throughput domain
unitless

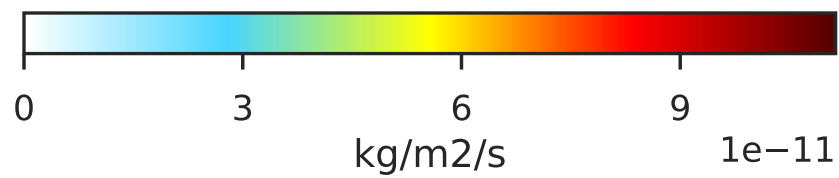
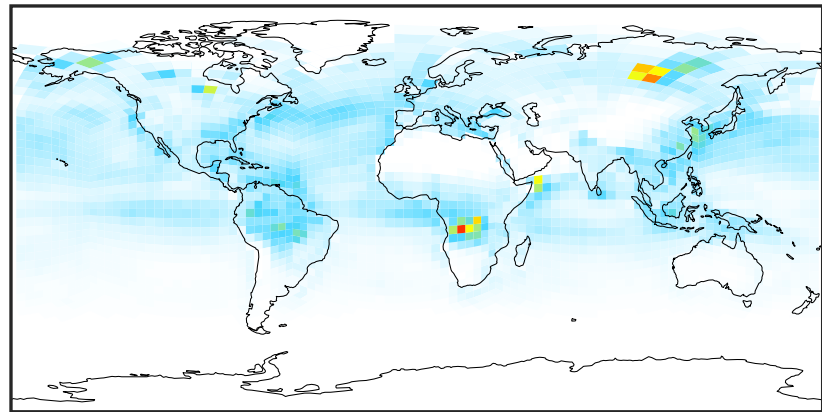
Ratio (1x1.25)
Dev/Ref, Fixed Range



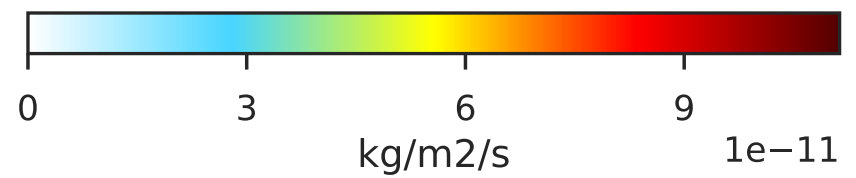
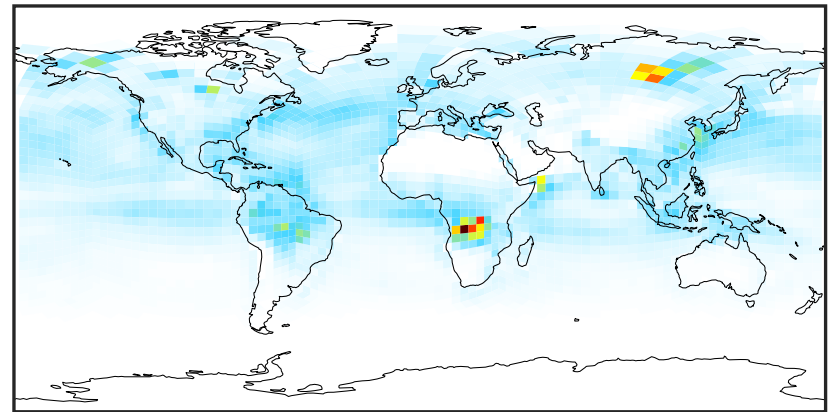
Undefined throughput domain
unitless

EmisALD2_Total (Jul2019)

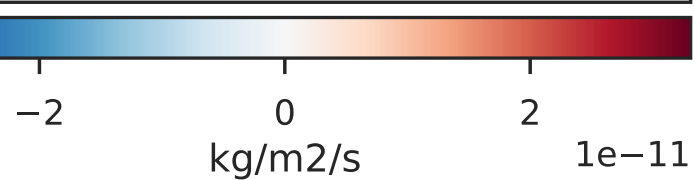
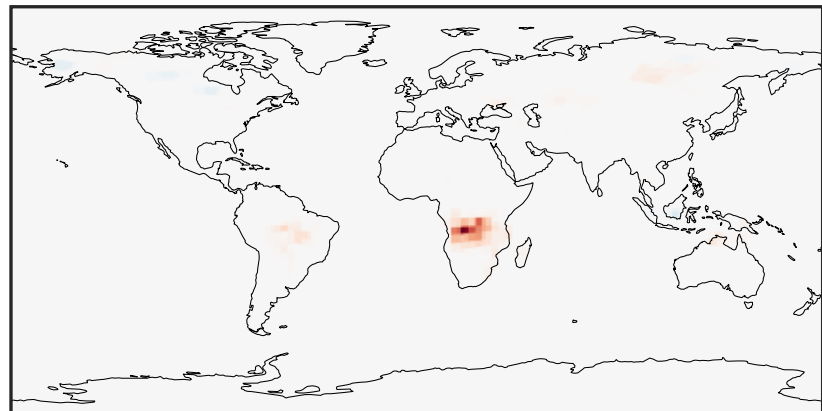
GCHP_14.0.0 (Ref)
c24



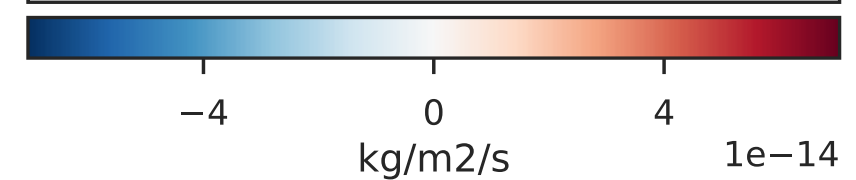
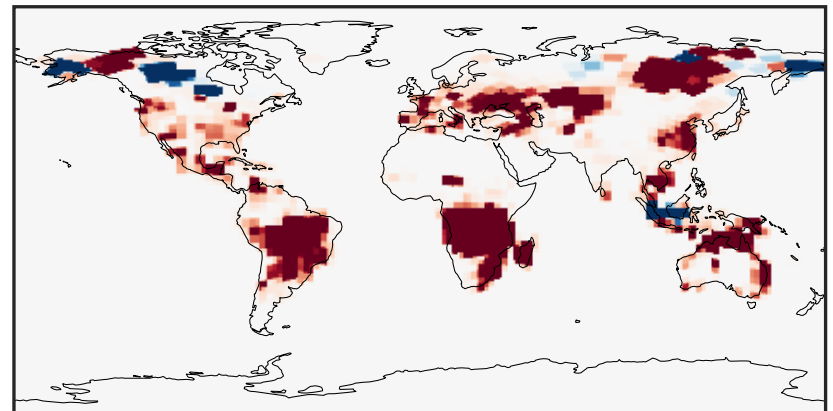
GCHP_14.2.0 (Dev)
c24



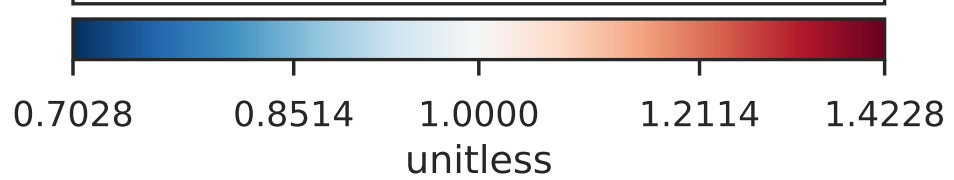
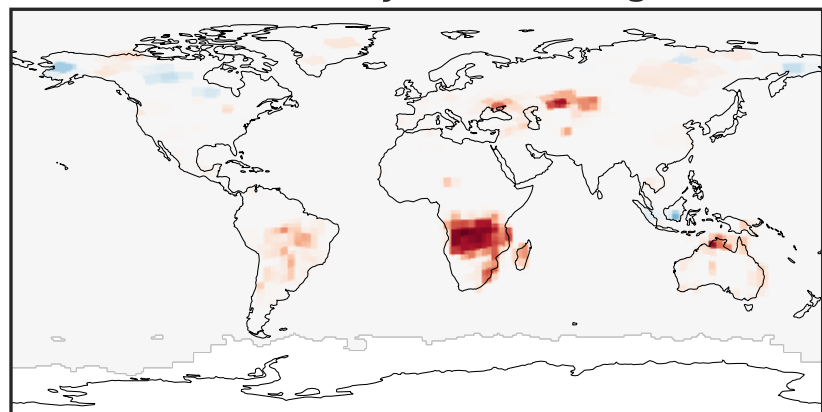
Difference (1x1.25)
Dev - Ref, Dynamic Range



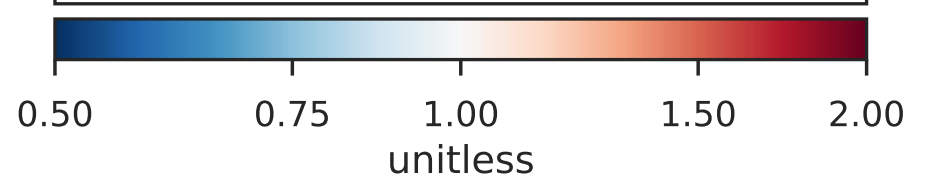
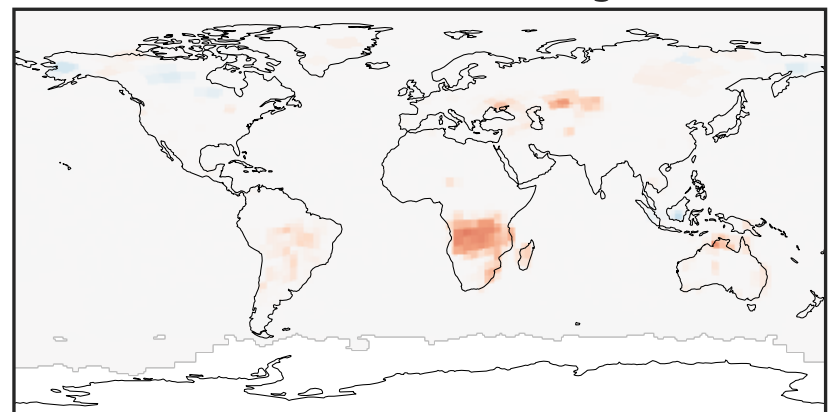
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

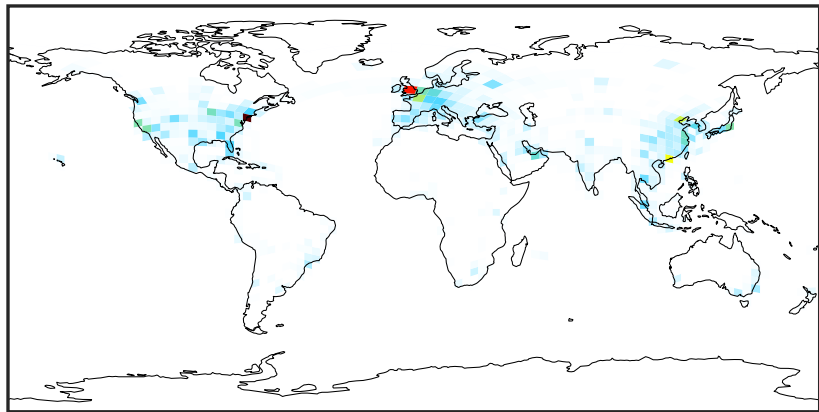


Ratio (1x1.25)
Dev/Ref, Fixed Range



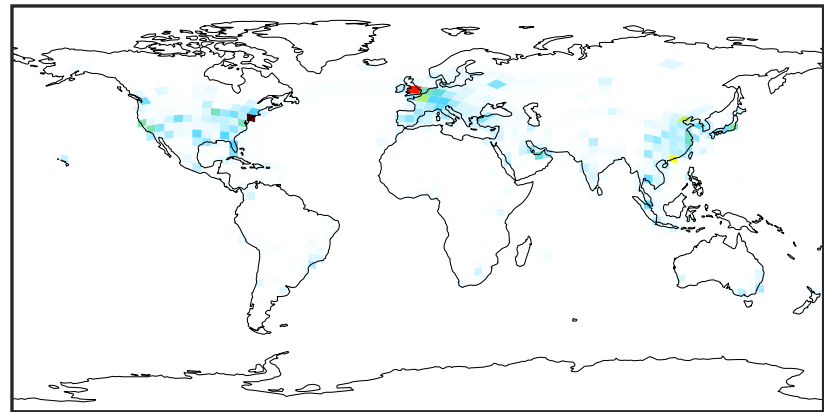
EmisCH20_Aircraft (Jul2019)

GCHP_14.0.0 (Ref)
c24



0.0 0.5 1.0 1.5
kg/m²/s 1e-13

GCHP_14.2.0 (Dev)
c24



0.0 0.5 1.0 1.5
kg/m²/s 1e-13

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



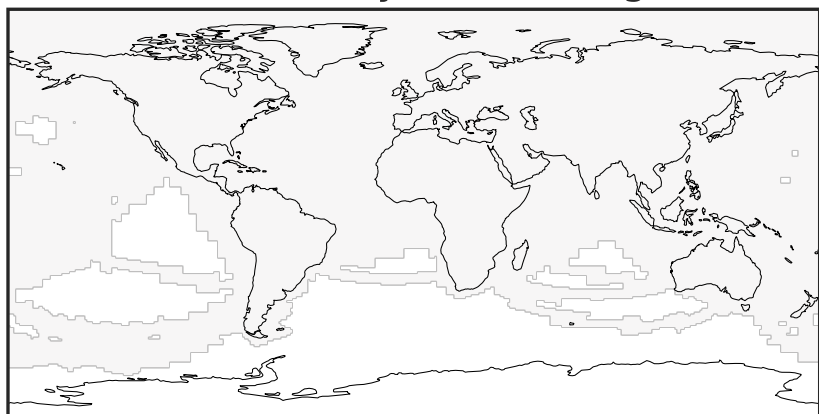
Zero throughout domain
kg/m²/s

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



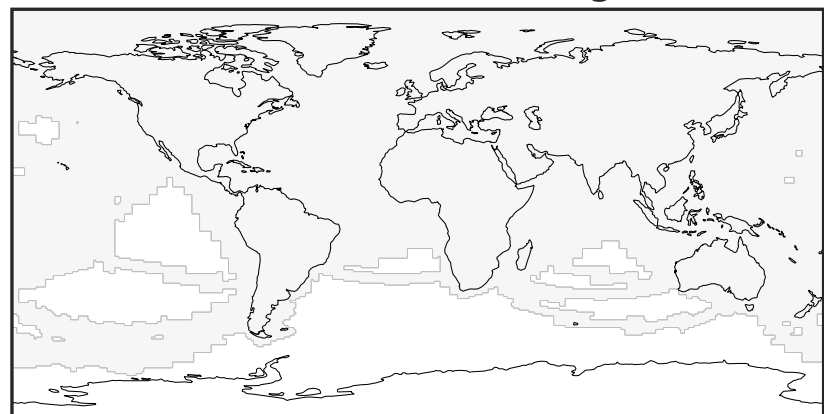
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

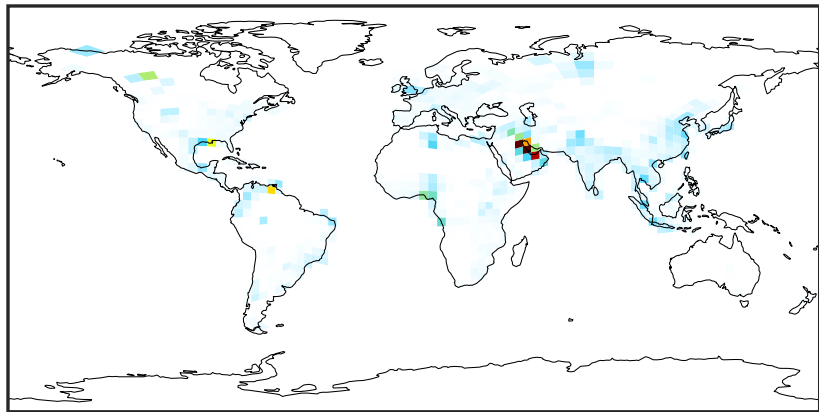
Ratio (1x1.25)
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

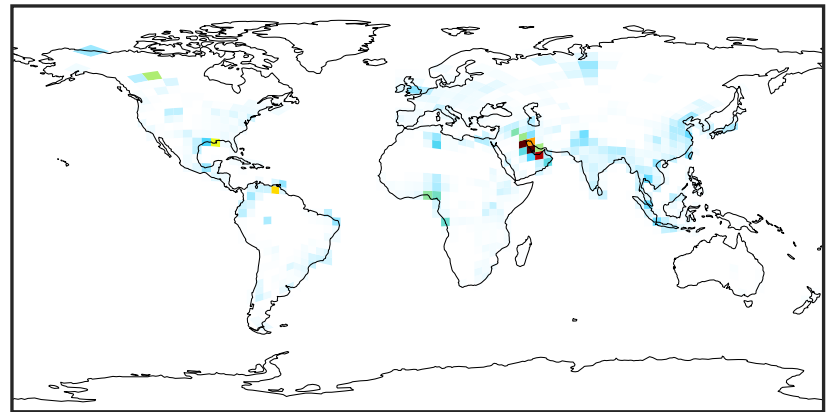
EmisCH2O_Anthro (Jul2019)

GCHP_14.0.0 (Ref)
c24



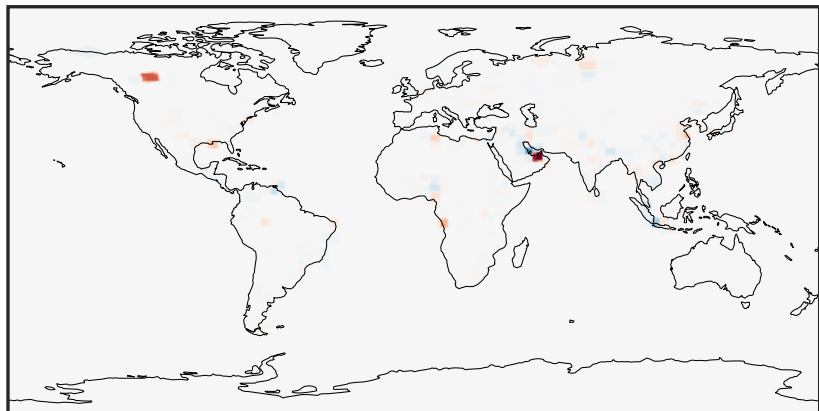
0.0 0.5 1.0 1.5
kg/m2/s 1e-11

GCHP_14.2.0 (Dev)
c24



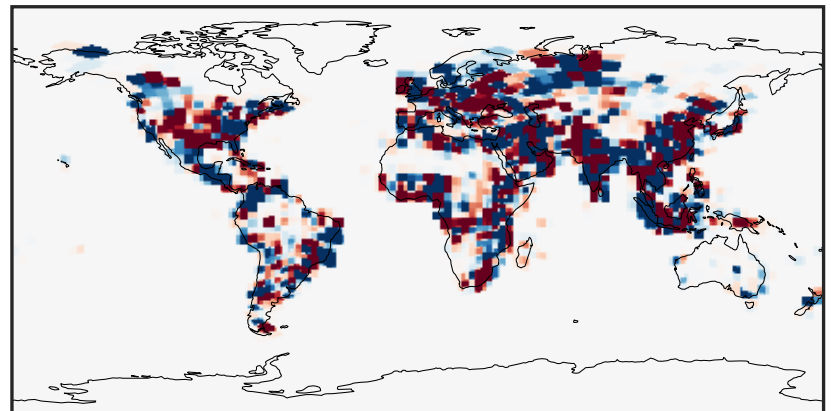
0.0 0.5 1.0 1.5
kg/m2/s 1e-11

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



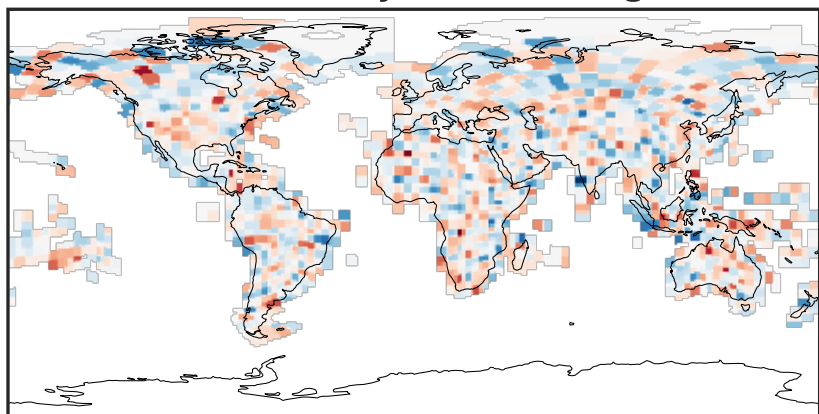
-2 0 2
kg/m2/s 1e-16

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



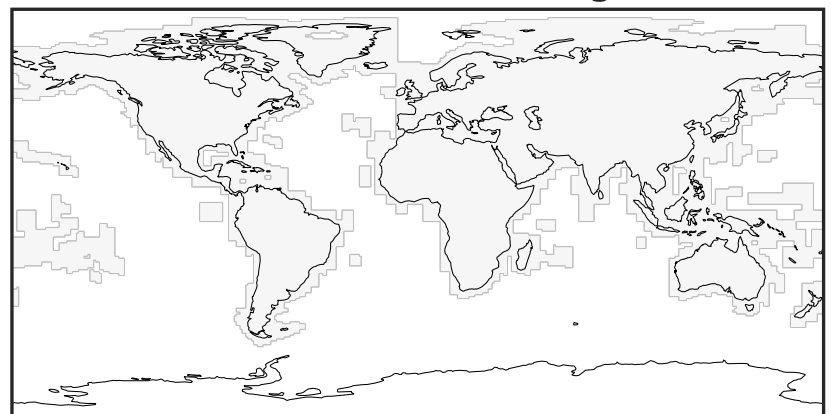
-1 0 1
kg/m2/s 1e-18

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



0.9999325 1.000000 1.0000675
unitless

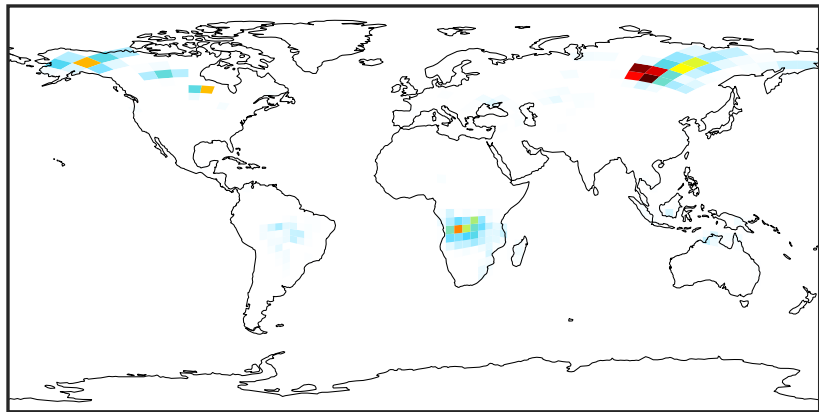
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

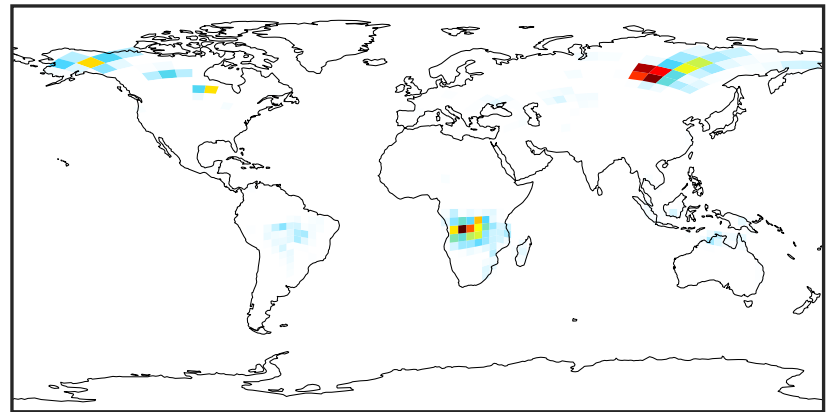
EmisCH2O_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



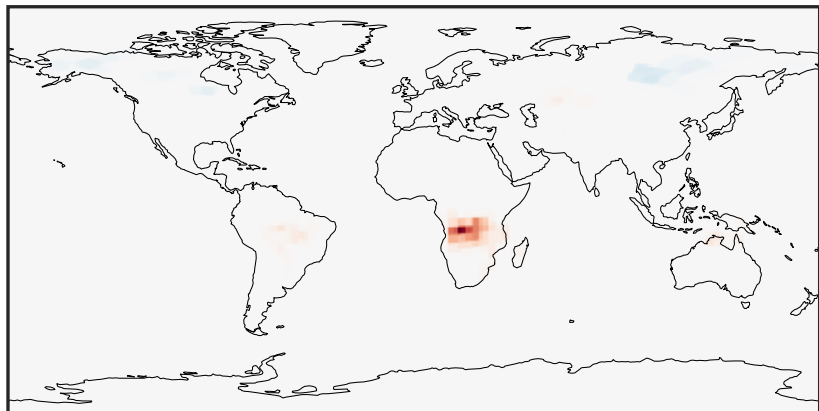
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

GCHP_14.2.0 (Dev)
c24



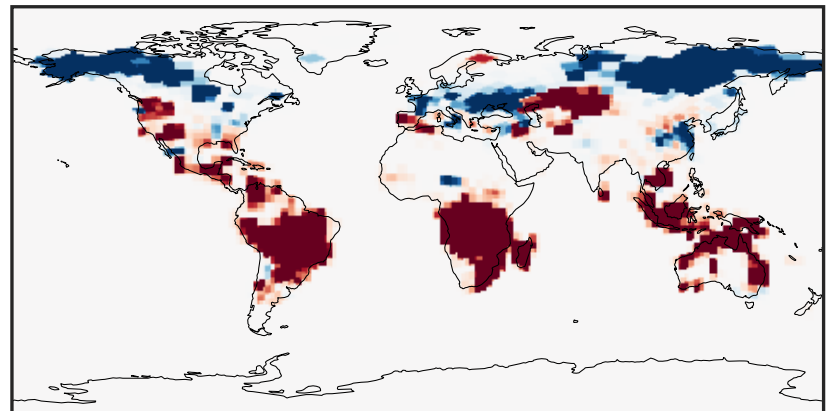
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

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



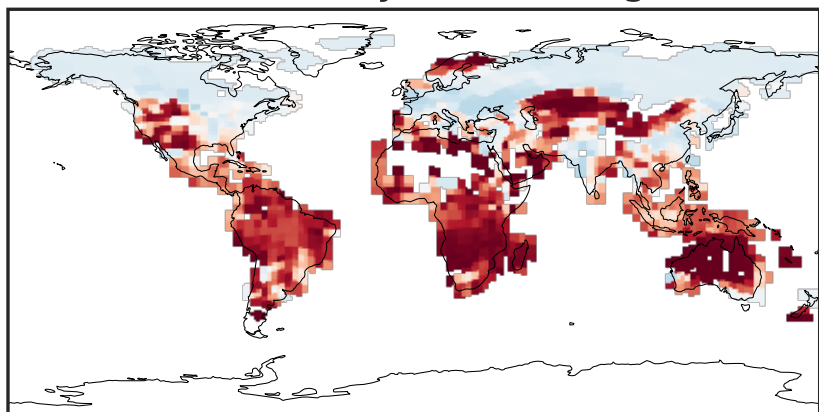
-3 0 3
kg/m²/s 1e-11

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



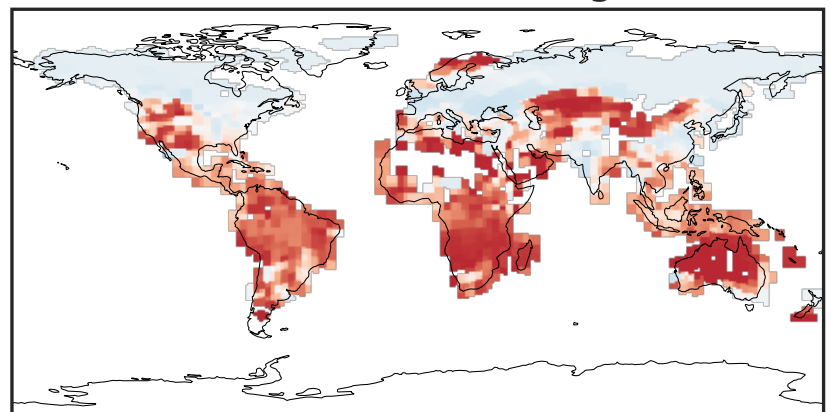
-1.5 0.0 1.5
kg/m²/s 1e-14

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



0.593 0.797 1.000 1.343 1.685
unitless

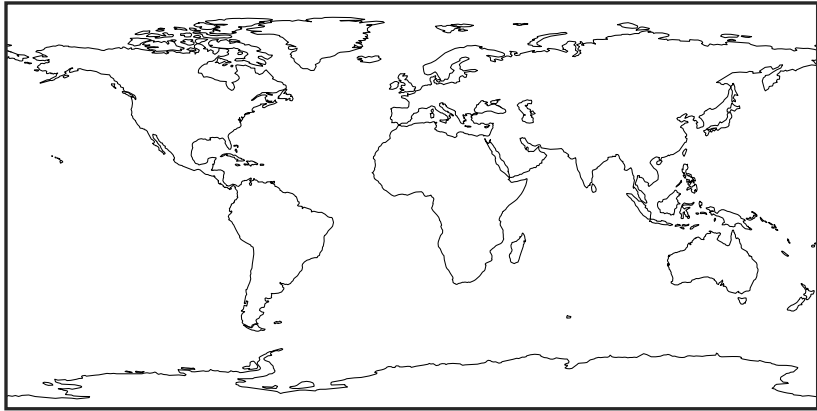
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

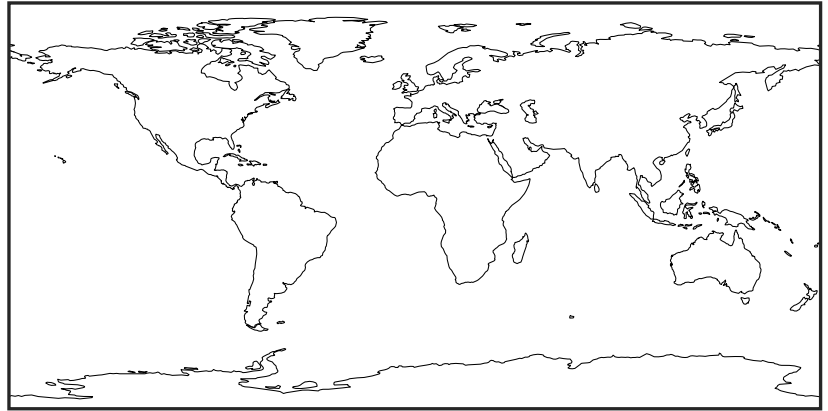
EmisCH2O_Ship (Jul2019)

GCHP_14.0.0 (Ref)
c24



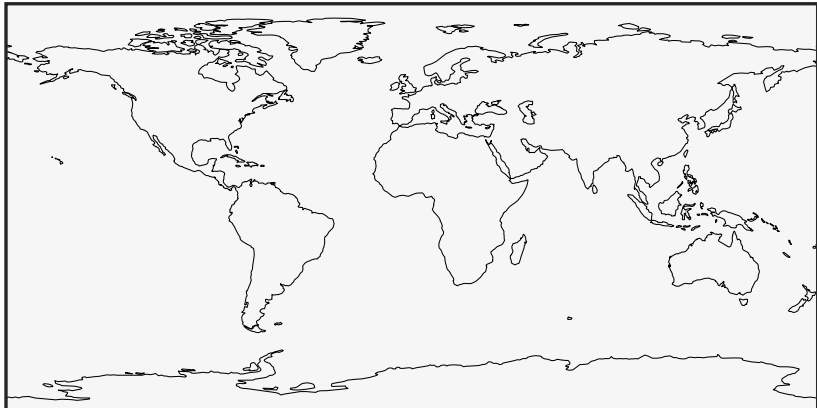
Zero throughout domain
kg/m2/s

GCHP_14.2.0 (Dev)
c24



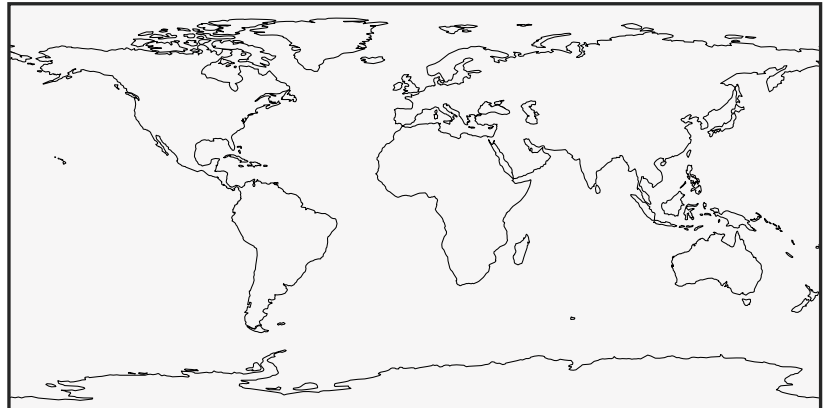
Zero throughout domain
kg/m2/s

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

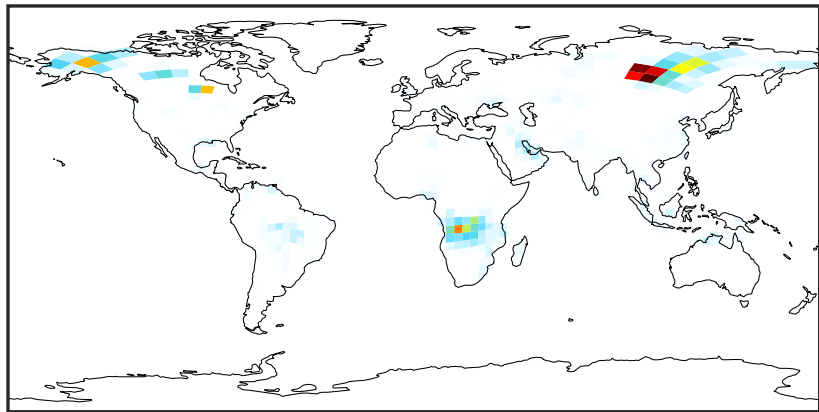
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

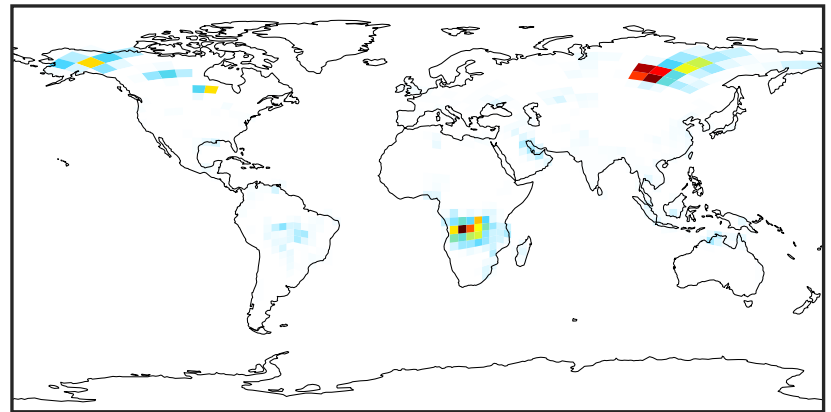
EmisCH2O_Total (Jul2019)

GCHP_14.0.0 (Ref)
c24



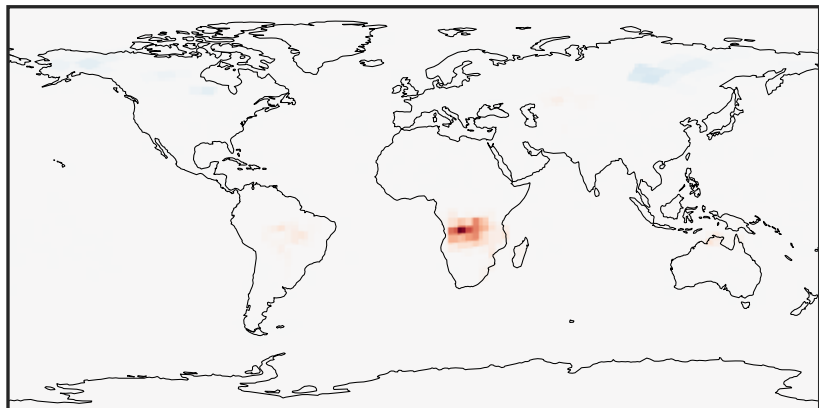
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

GCHP_14.2.0 (Dev)
c24



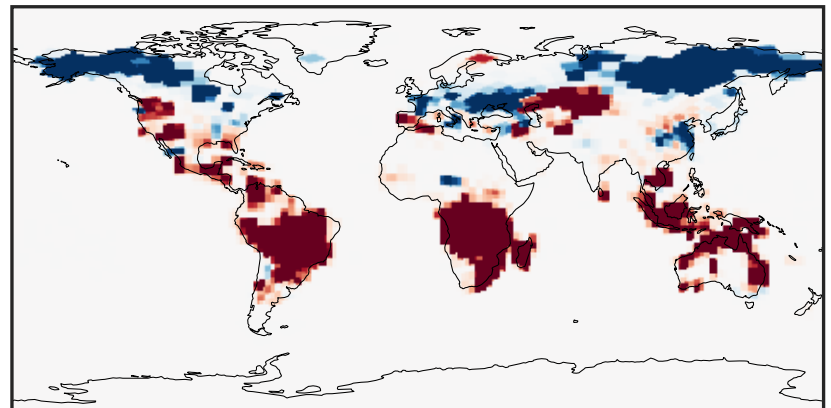
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

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



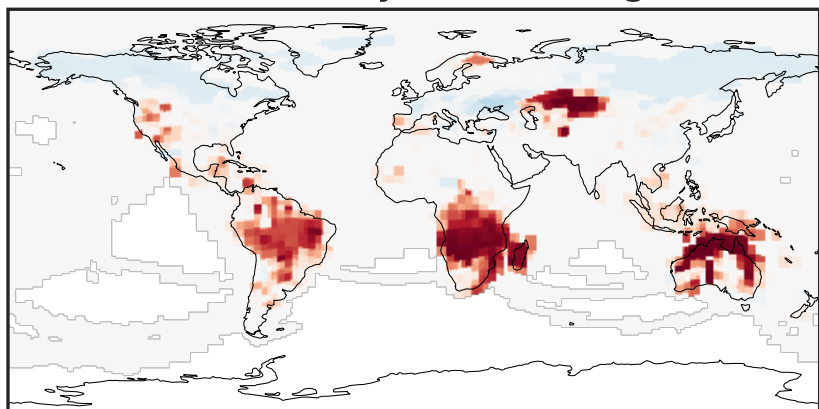
-3 0 3
kg/m²/s 1e-11

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



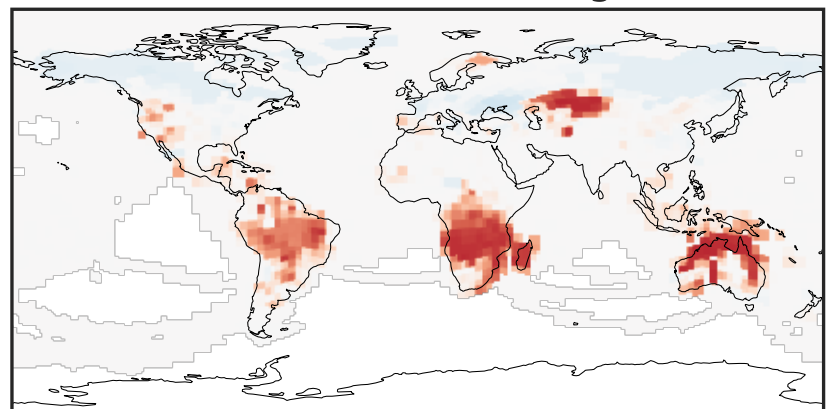
-1.5 0.0 1.5
kg/m²/s 1e-14

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



0.594 0.797 1.000 1.342 1.684
unitless

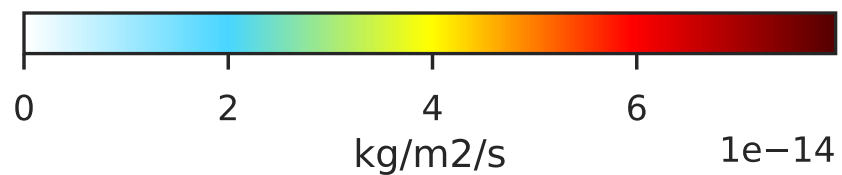
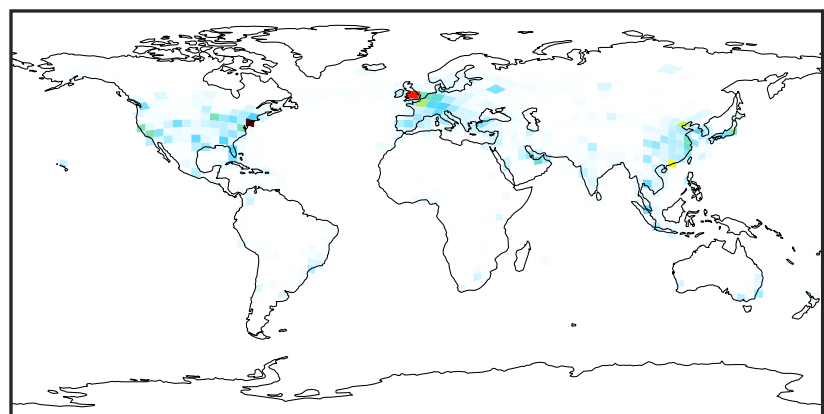
Ratio (1x1.25)
Dev/Ref, Fixed Range



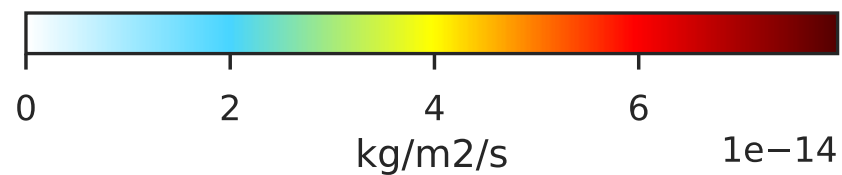
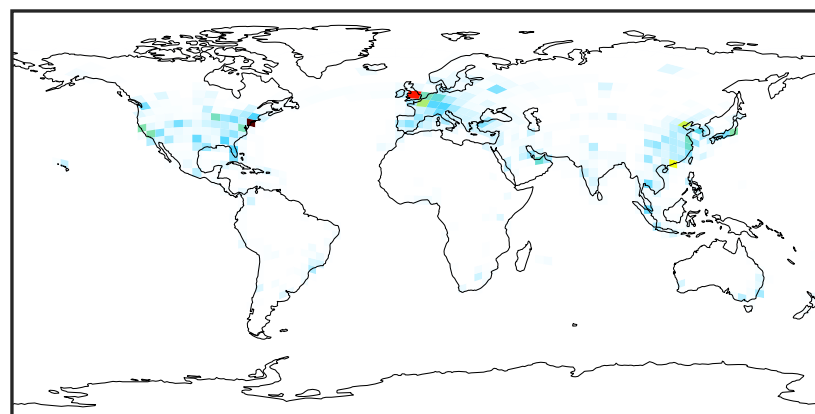
0.50 0.75 1.00 1.50 2.00
unitless

EmisMACR_Aircraft (Jul2019)

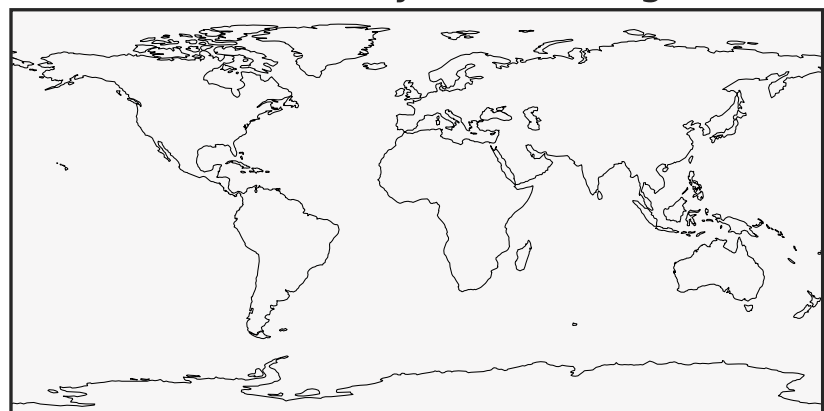
GCHP_14.0.0 (Ref)
c24



GCHP_14.2.0 (Dev)
c24

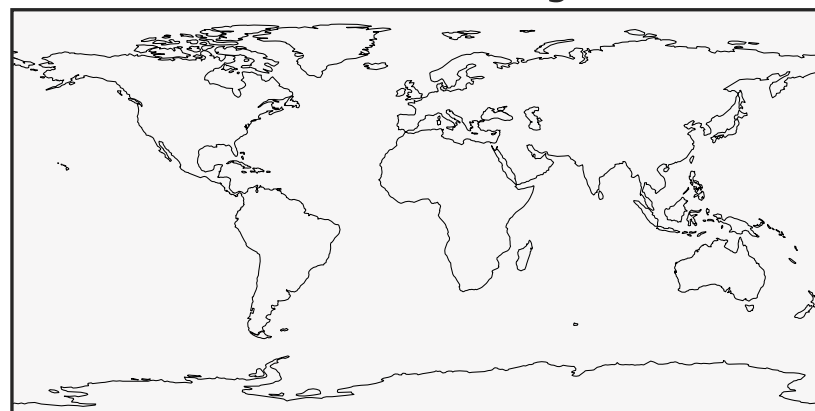


Difference (1x1.25)
Dev - Ref, Dynamic Range



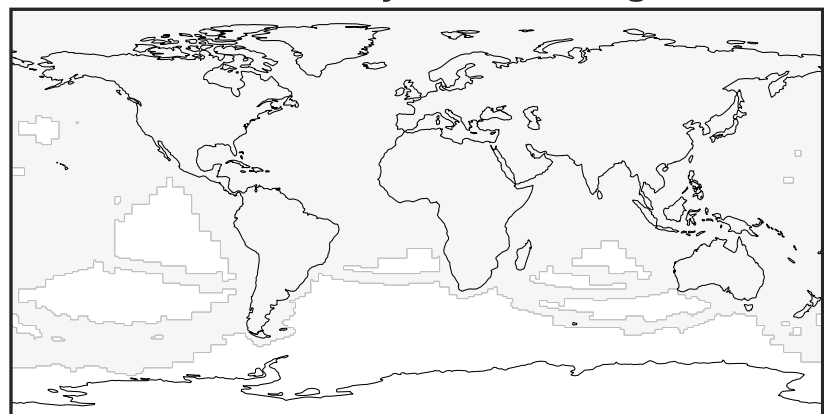
Zero throughout domain
kg/m2/s

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



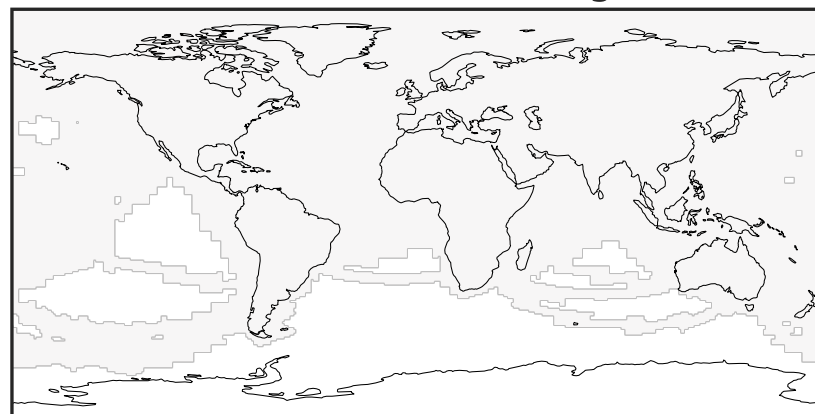
Zero throughout domain
kg/m2/s

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



Ref and Dev equal throughout domain
unitless

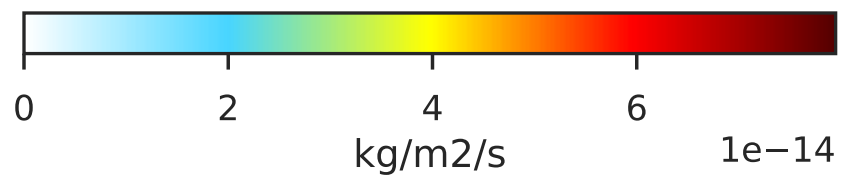
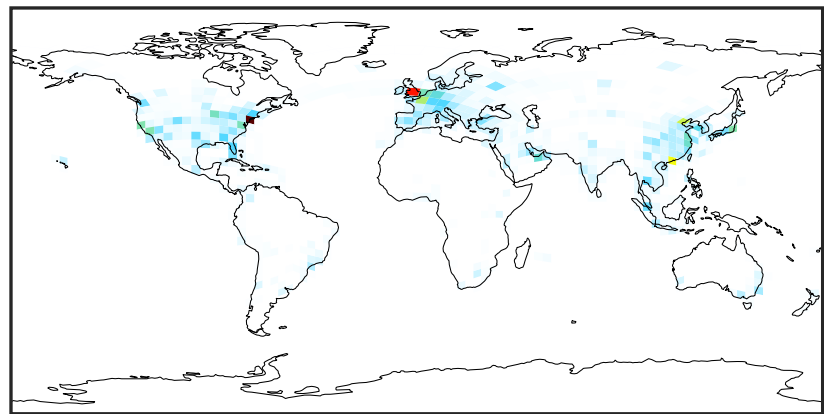
Ratio (1x1.25)
Dev/Ref, Fixed Range



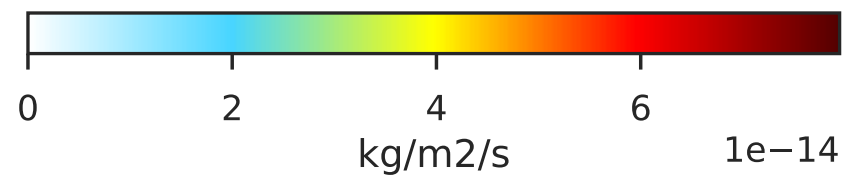
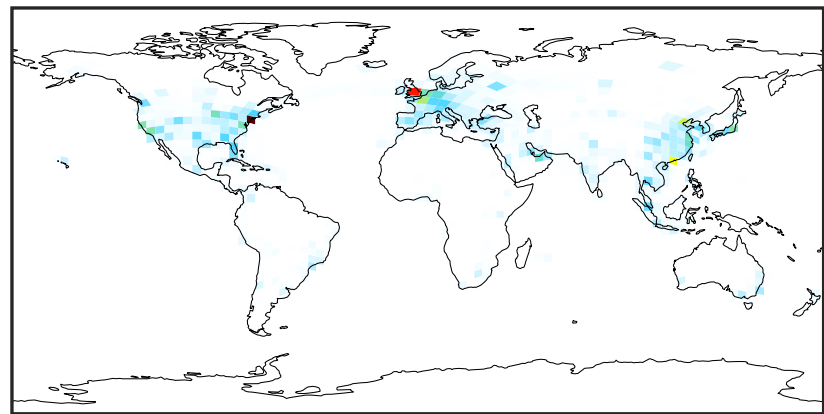
Ref and Dev equal throughout domain
unitless

EmisMACR_Total (Jul2019)

GCHP_14.0.0 (Ref)
c24



GCHP_14.2.0 (Dev)
c24



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



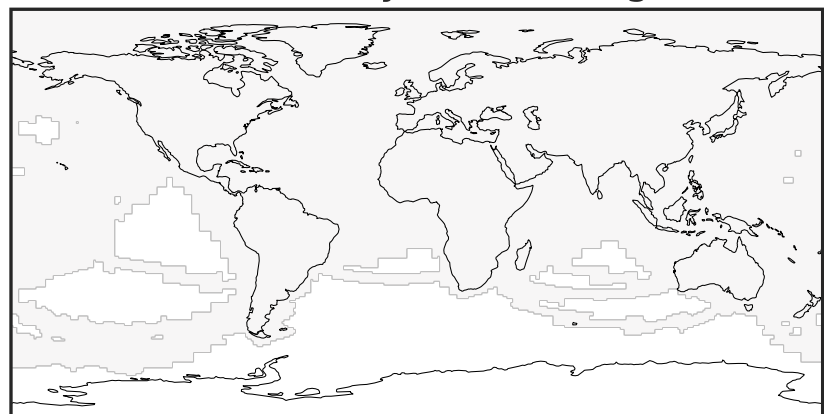
Zero throughout domain
kg/m²/s

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



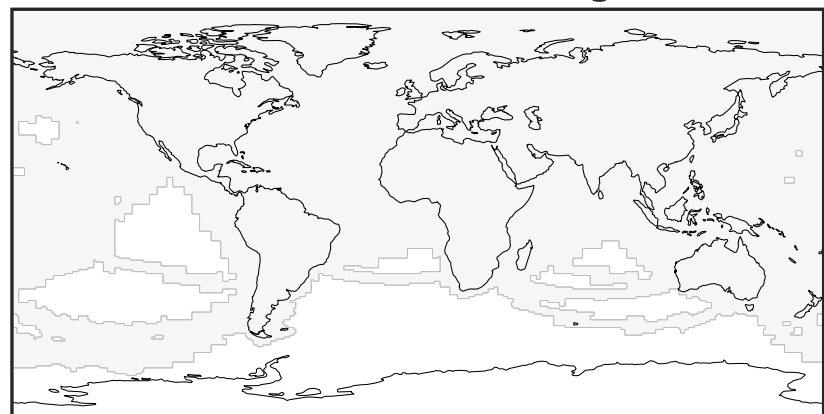
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

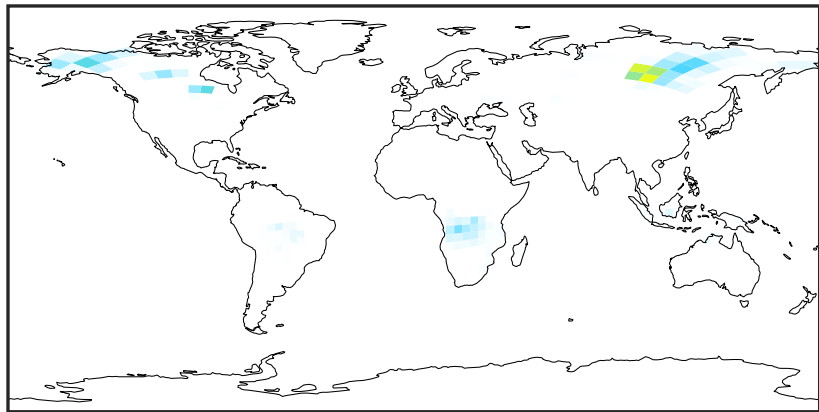
Ratio (1x1.25)
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

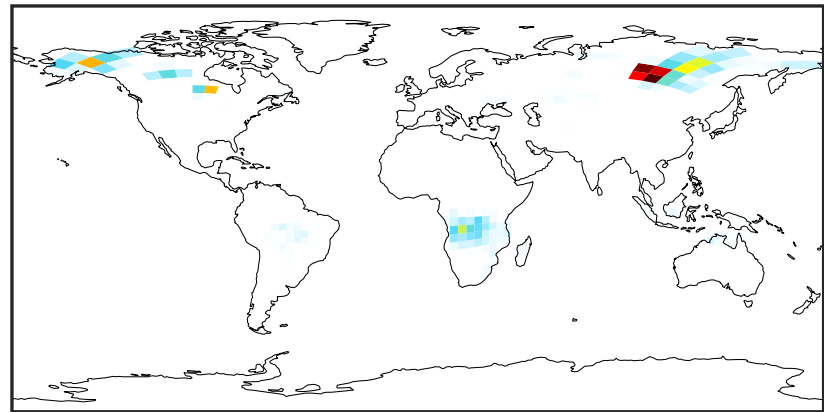
EmisACET_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



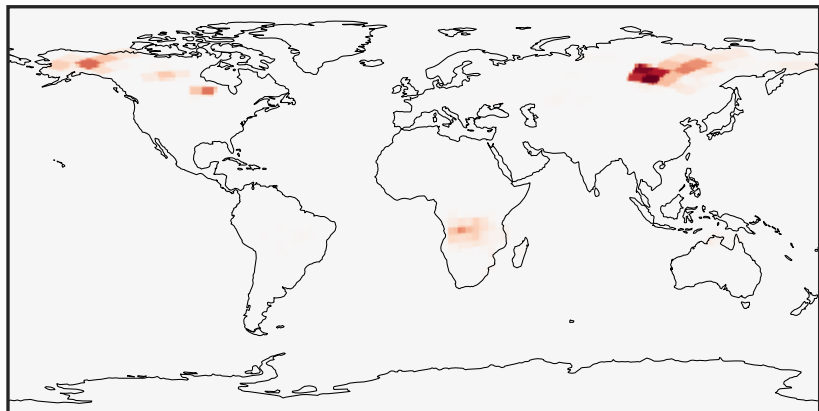
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

GCHP_14.2.0 (Dev)
c24



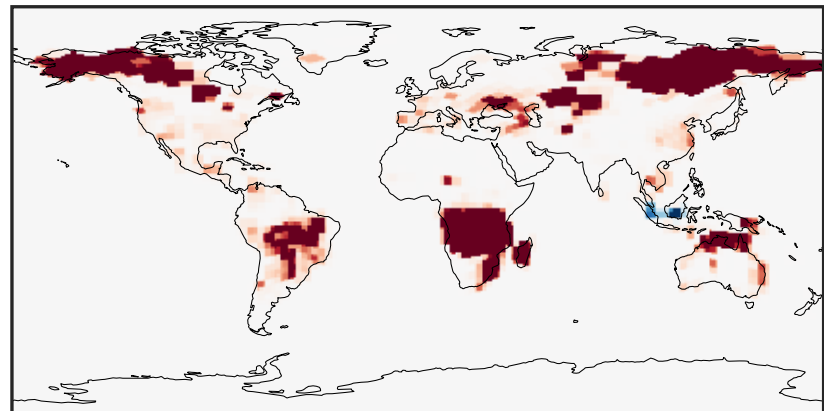
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

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



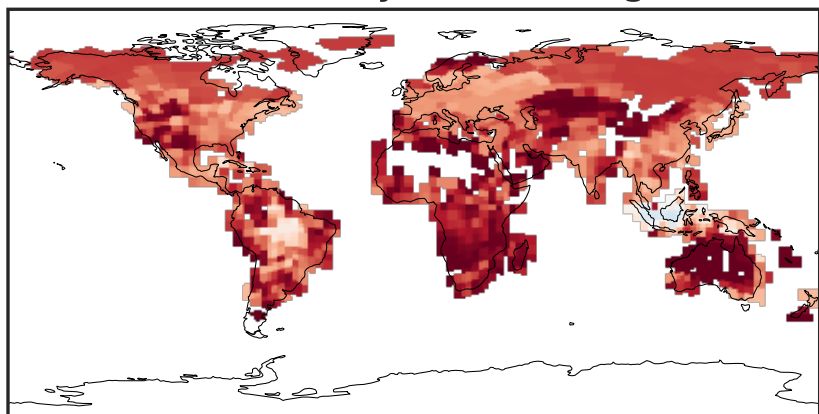
-4 0 4
kg/m²/s 1e-11

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



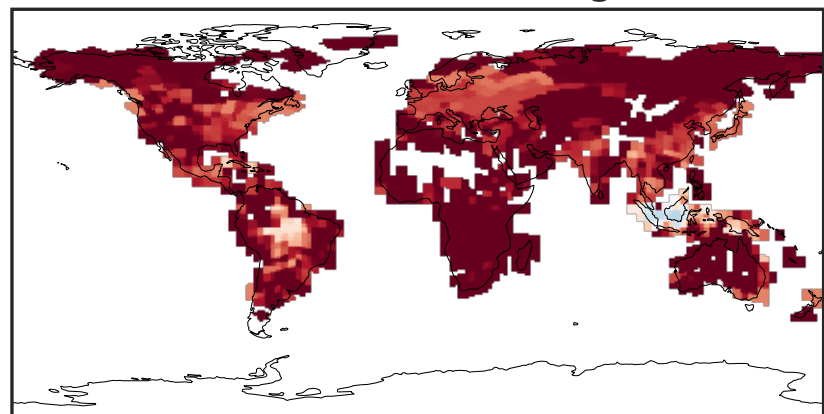
-1.5 0.0 1.5
kg/m²/s 1e-13

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



0.340 0.670 1.000 1.969 2.938
unitless

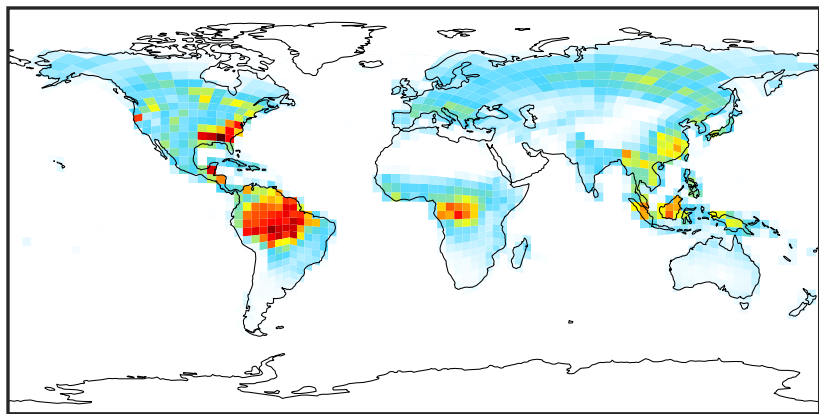
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

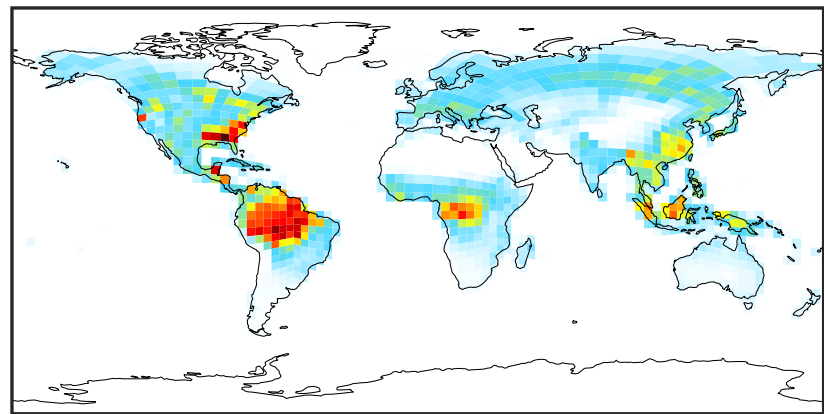
EmisACET_Biogenic (Jul2019)

GCHP_14.0.0 (Ref)
c24



0.0 1.5 3.0 4.5
kg/m²/s 1e-11

GCHP_14.2.0 (Dev)
c24



0.0 1.5 3.0 4.5
kg/m²/s 1e-11

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



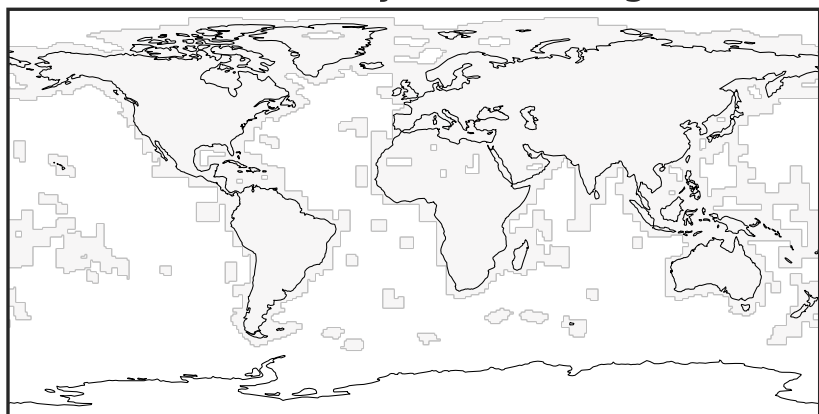
Zero throughout domain
kg/m²/s

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



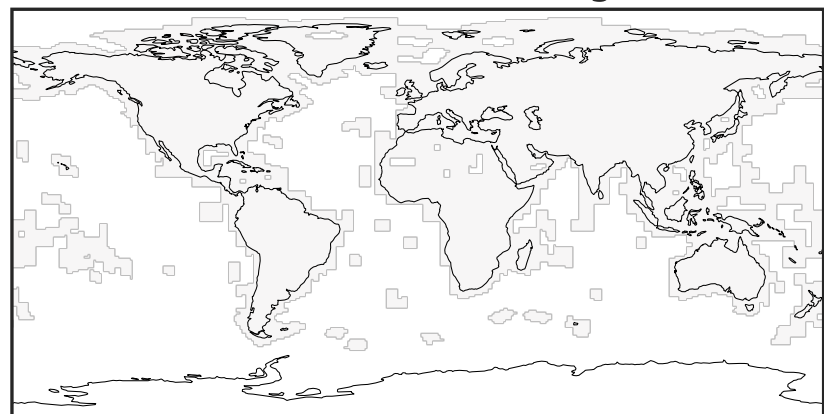
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

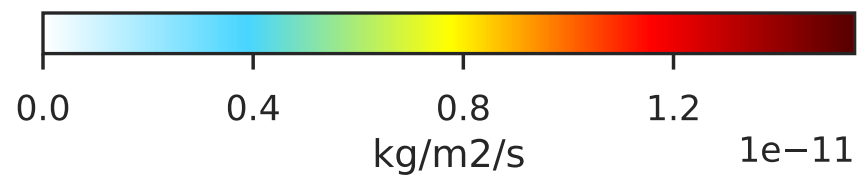
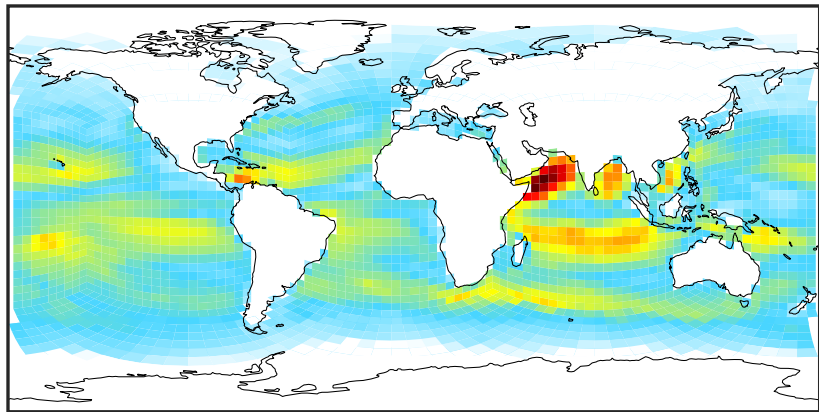
Ratio (1x1.25)
Dev/Ref, Fixed Range



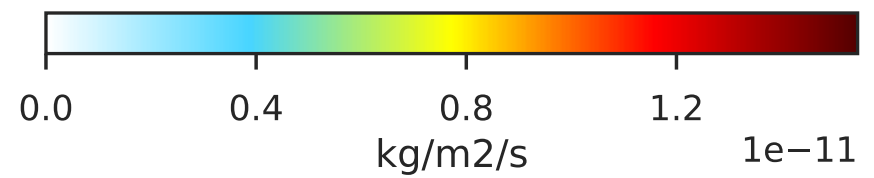
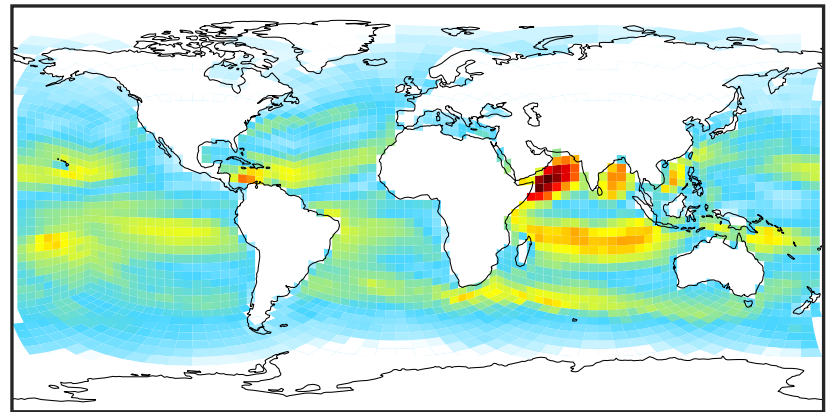
Ref and Dev equal throughout domain
unitless

EmisACET_Ocean (Jul2019)

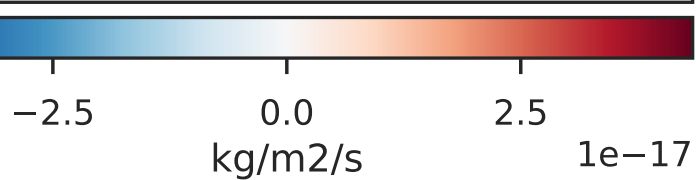
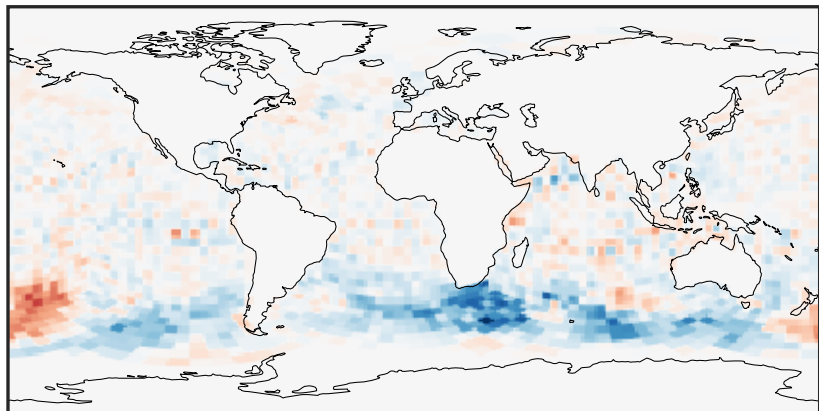
GCHP_14.0.0 (Ref)
c24



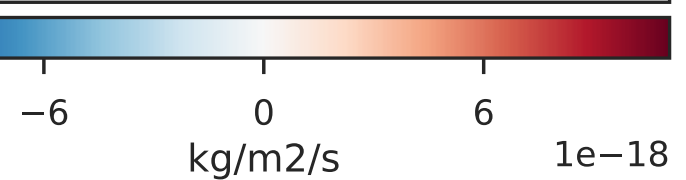
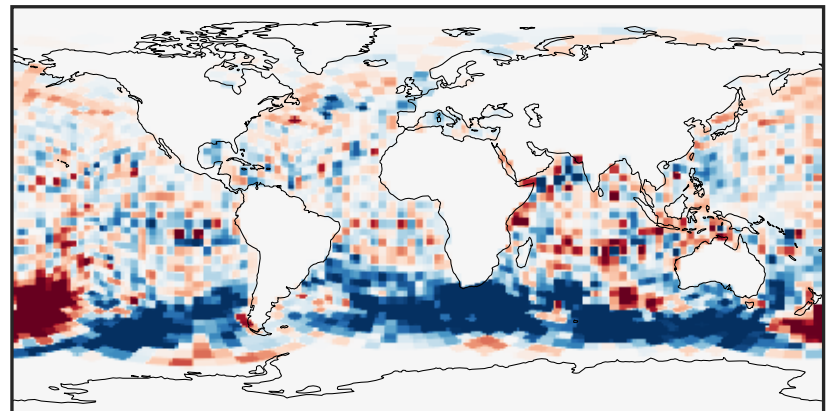
GCHP_14.2.0 (Dev)
c24



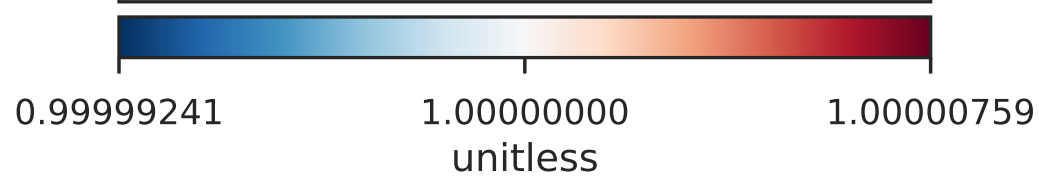
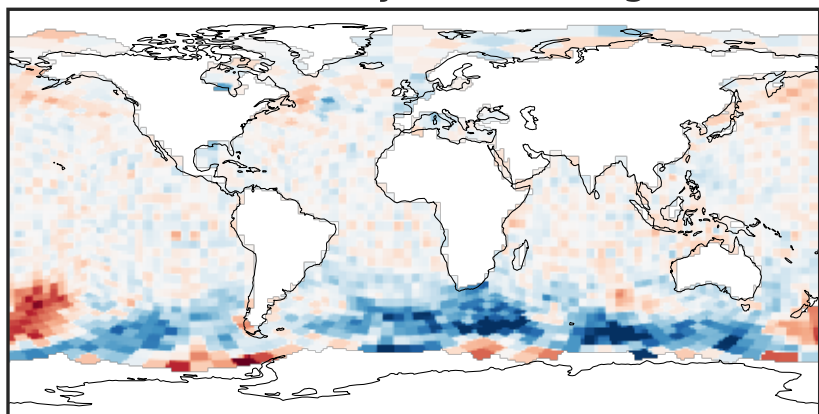
Difference (1x1.25)
Dev - Ref, Dynamic Range



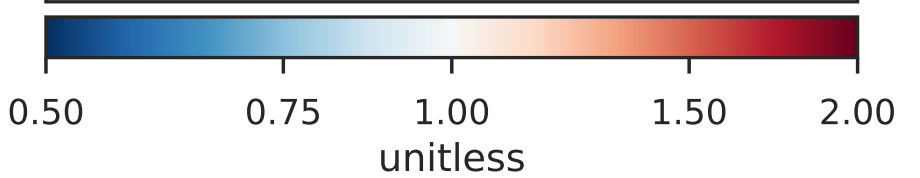
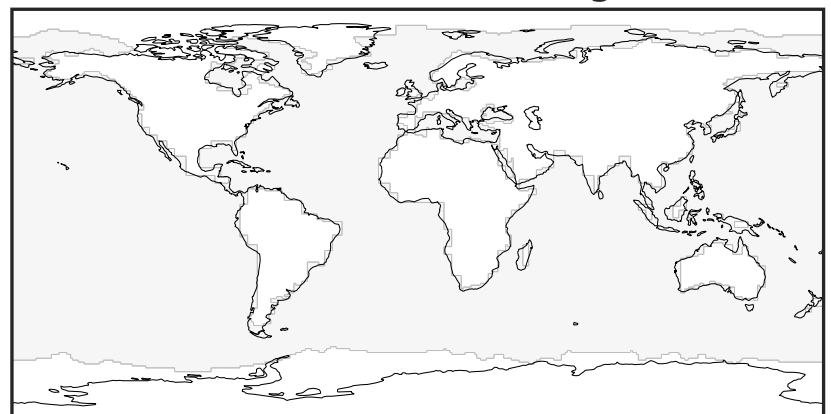
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

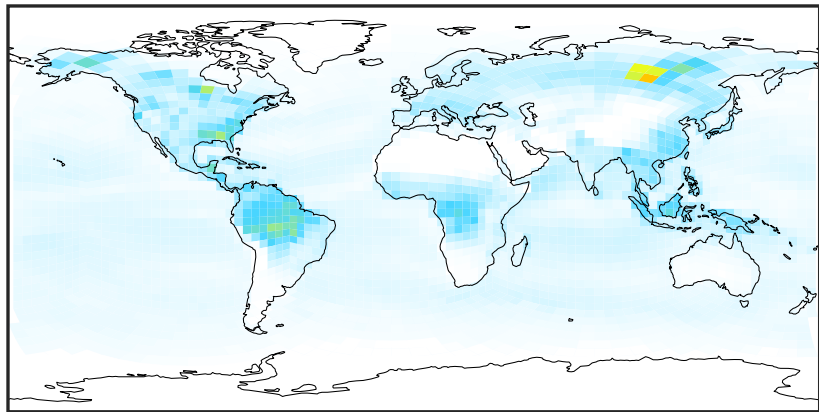


Ratio (1x1.25)
Dev/Ref, Fixed Range



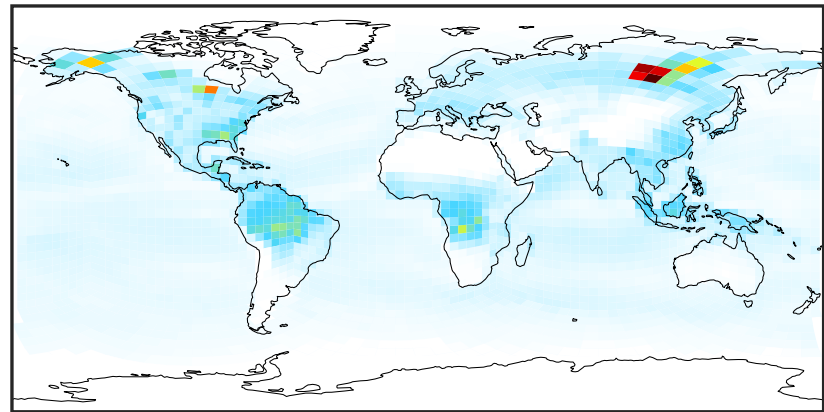
EmisACET_Total (Jul2019)

GCHP_14.0.0 (Ref)
c24



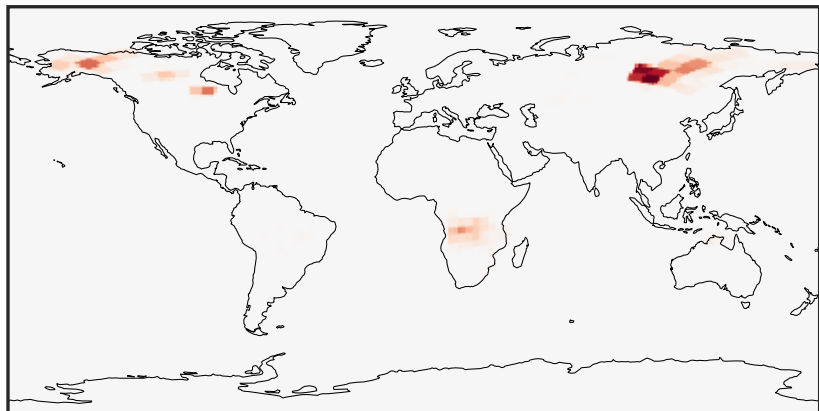
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

GCHP_14.2.0 (Dev)
c24



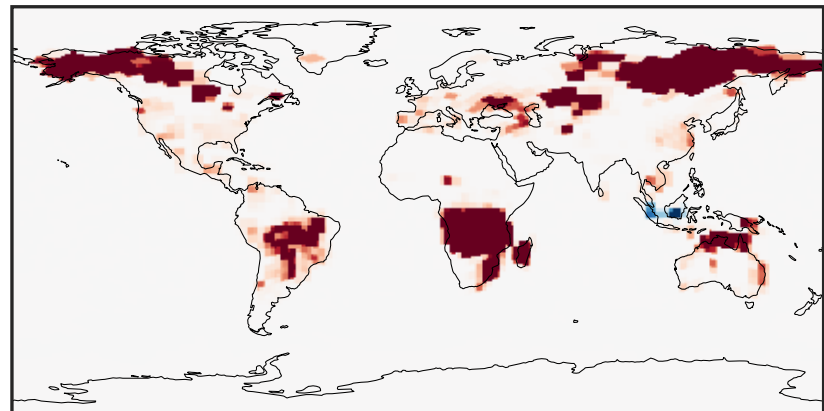
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

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



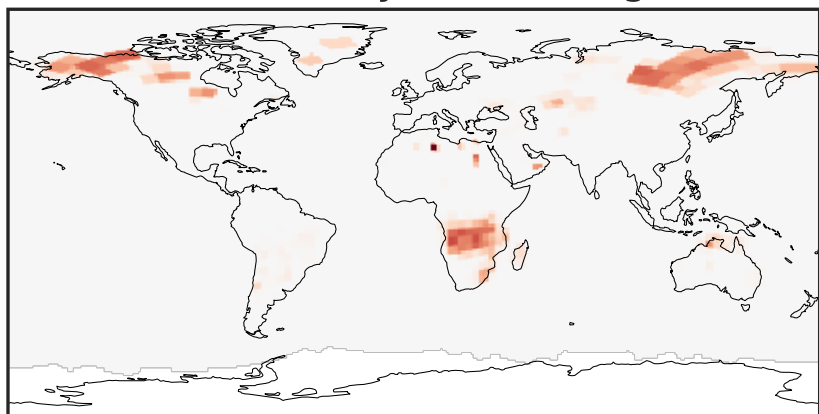
-4 0 4
kg/m²/s 1e-11

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



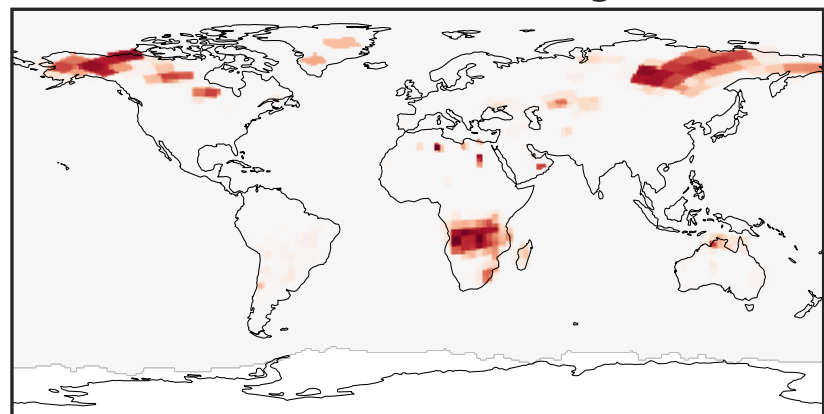
-1.5 0.0 1.5
kg/m²/s 1e-13

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



0.348 0.674 1.000 1.939 2.878
unitless

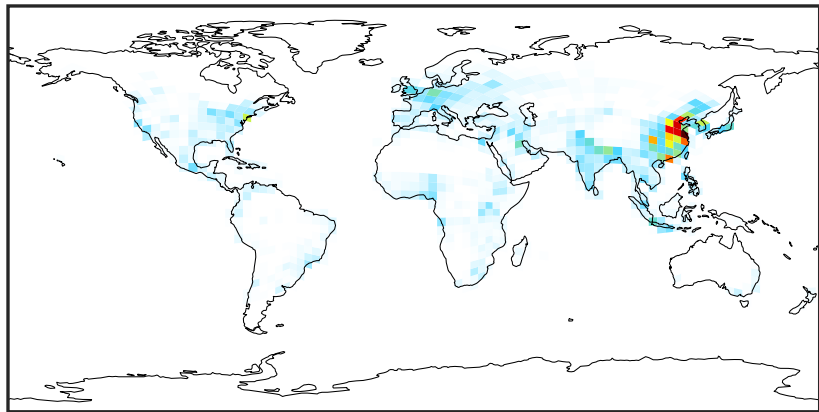
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

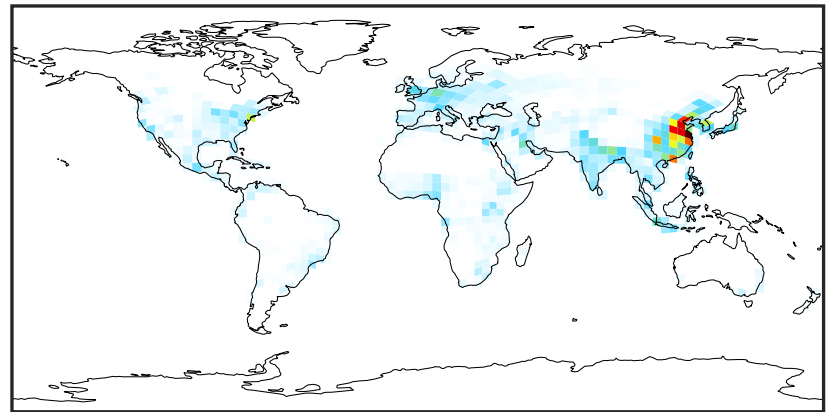
EmisMEK_Anthro (Jul2019)

GCHP_14.0.0 (Ref)
c24



0.0 0.6 1.2 1.8
kg/m2/s 1e-11

GCHP_14.2.0 (Dev)
c24



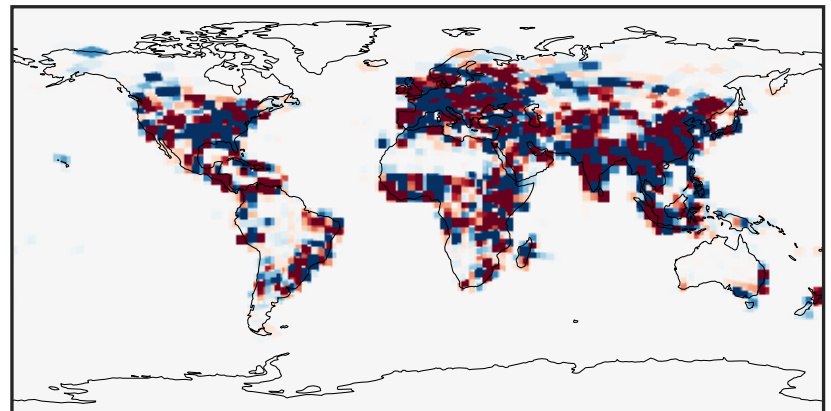
0.0 0.6 1.2 1.8
kg/m2/s 1e-11

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



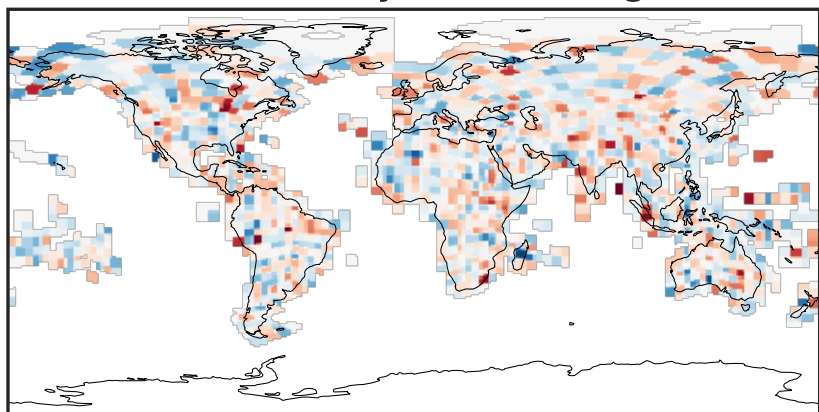
-2.5 0.0 2.5
kg/m2/s 1e-16

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



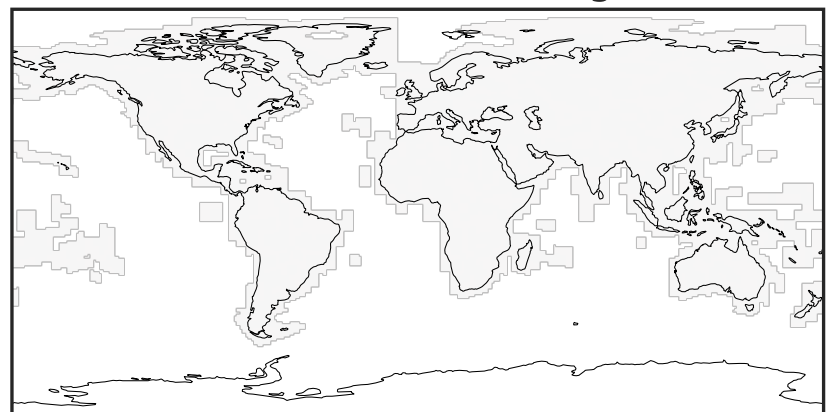
-2 0 2
kg/m2/s 1e-18

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



0.9999248 1.000000 1.0000752
unitless

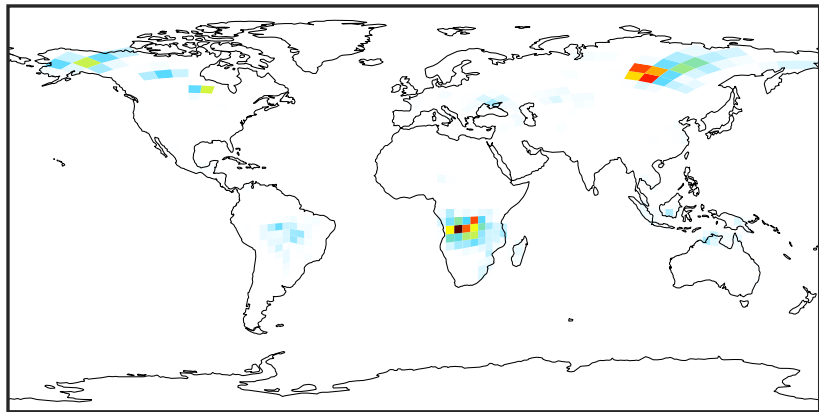
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

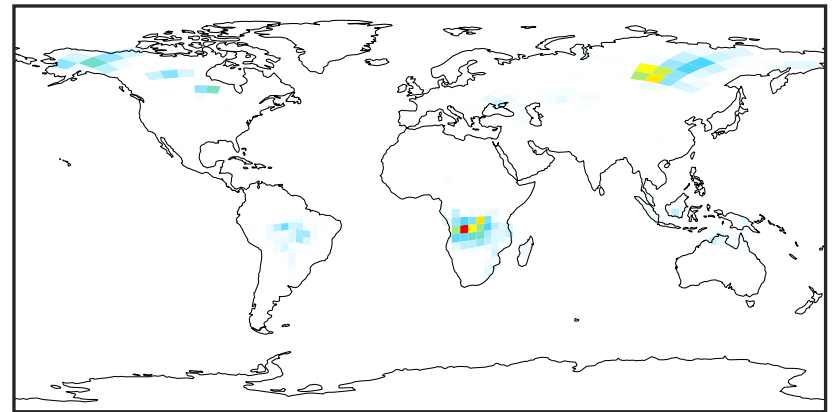
EmisMEK_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



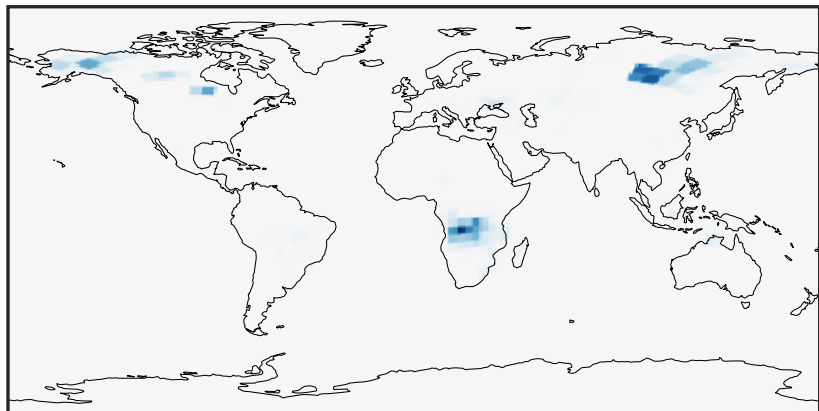
0.0 0.6 1.2 1.8 $\text{kg/m}^2/\text{s}$ 10^{-11}

GCHP_14.2.0 (Dev)
c24



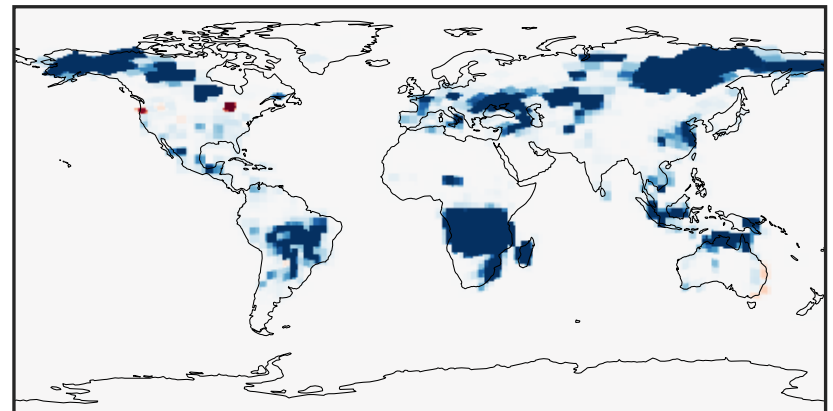
0.0 0.6 1.2 1.8 $\text{kg/m}^2/\text{s}$ 10^{-11}

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



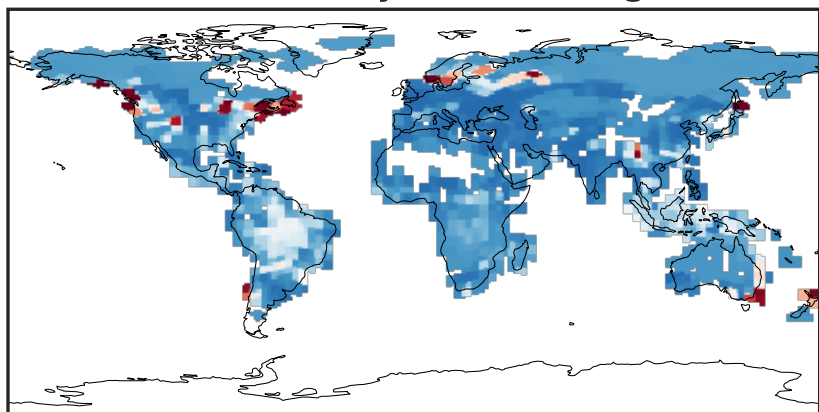
-3 0 3 $\text{kg/m}^2/\text{s}$ 10^{-12}

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



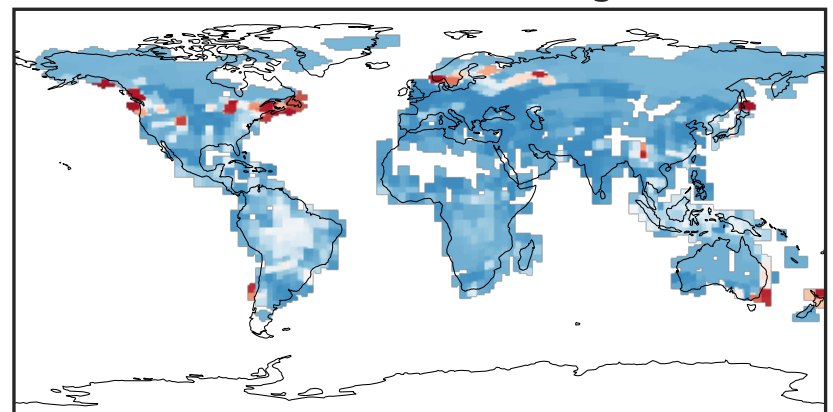
-2.5 0.0 2.5 $\text{kg/m}^2/\text{s}$ 10^{-14}

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



0.565 0.783 1.000 1.385 1.769
unitless

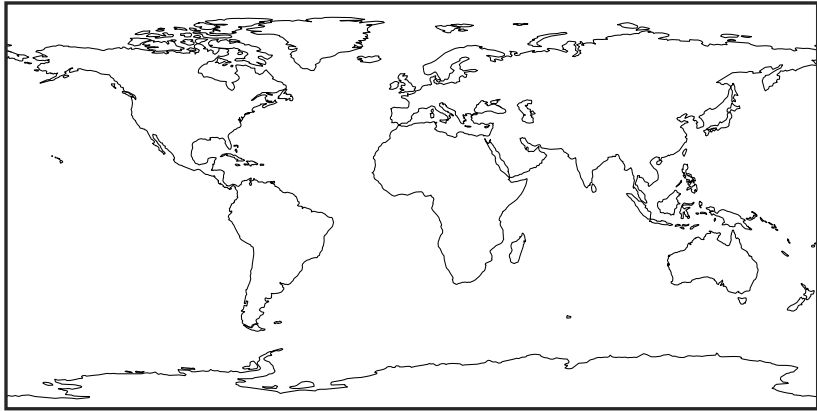
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

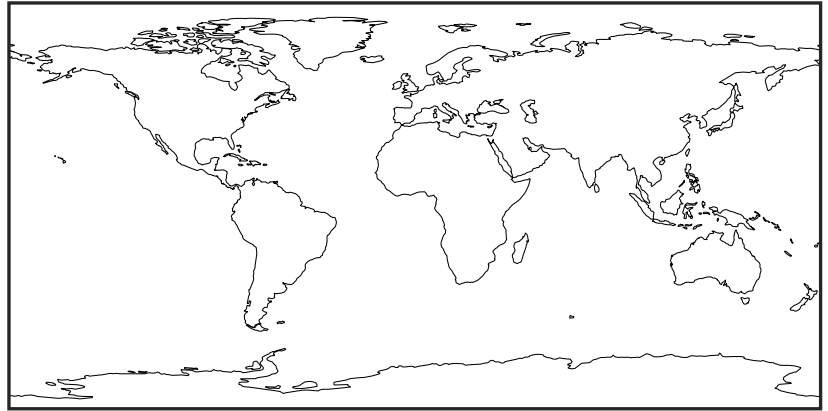
EmisMEK_Ship (Jul2019)

GCHP_14.0.0 (Ref)
c24



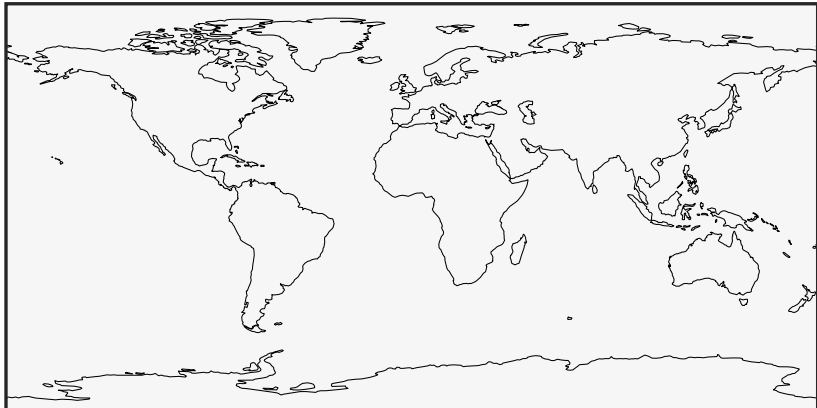
Zero throughput domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



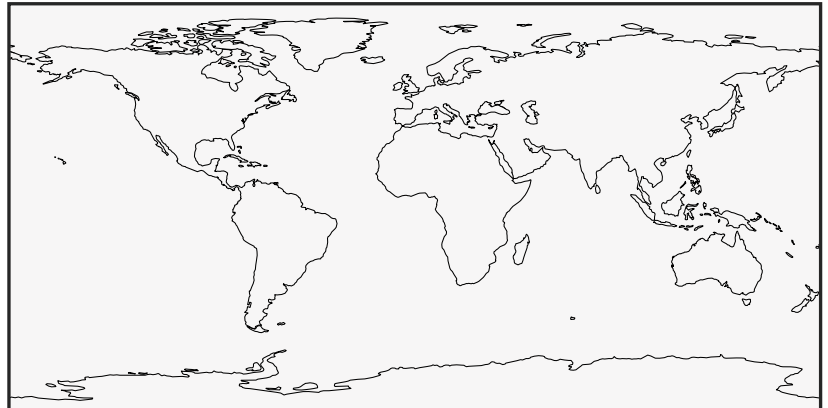
Zero throughput domain
kg/m²/s

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



Zero throughput domain
kg/m²/s

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



Zero throughput domain
kg/m²/s

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



Undefined throughput domain
unitless

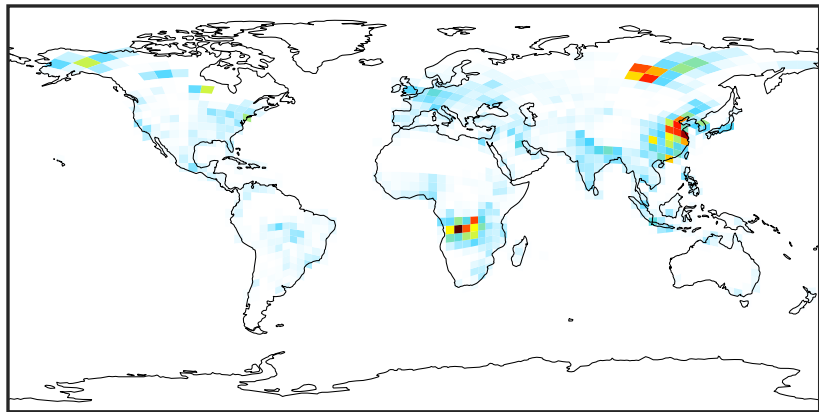
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughput domain
unitless

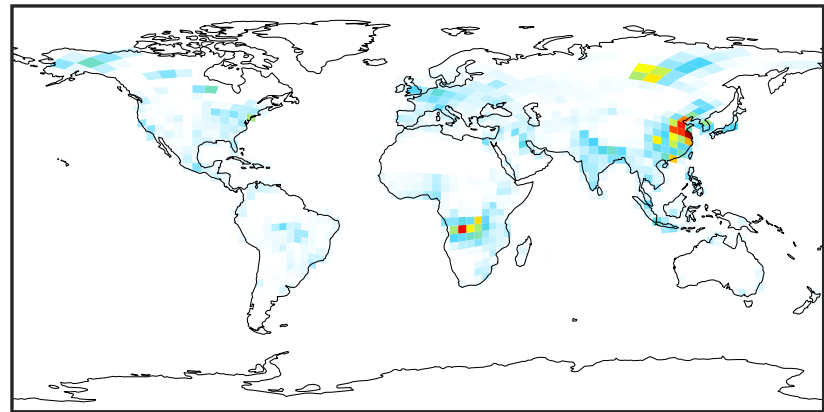
EmisMEK_Total (Jul2019)

GCHP_14.0.0 (Ref)
c24



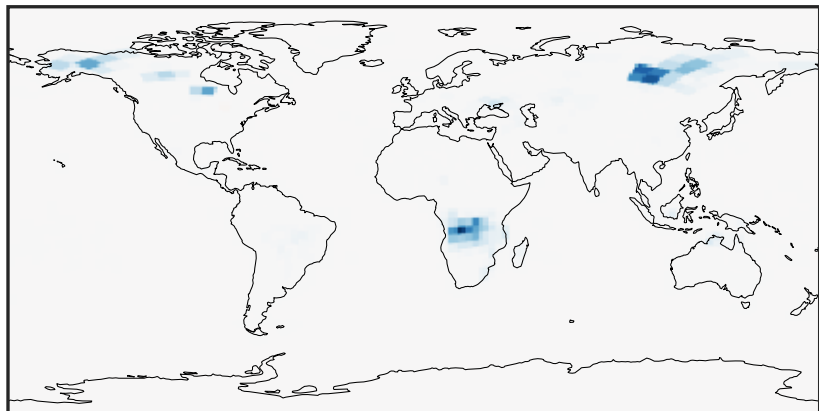
0.0 0.6 1.2 1.8
kg/m²/s 1e-11

GCHP_14.2.0 (Dev)
c24



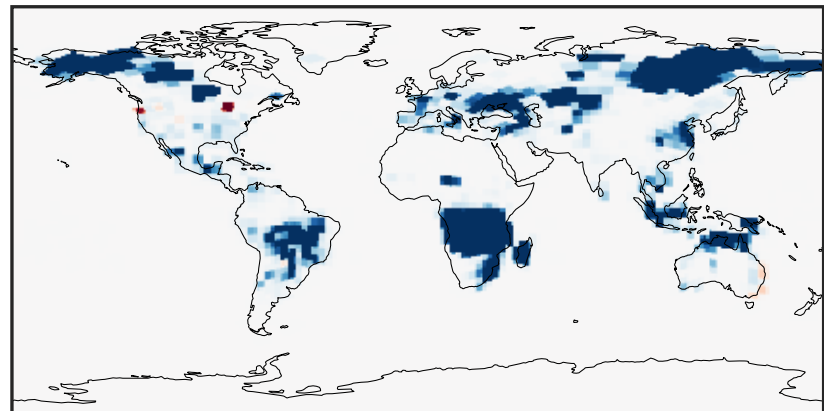
0.0 0.6 1.2 1.8
kg/m²/s 1e-11

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



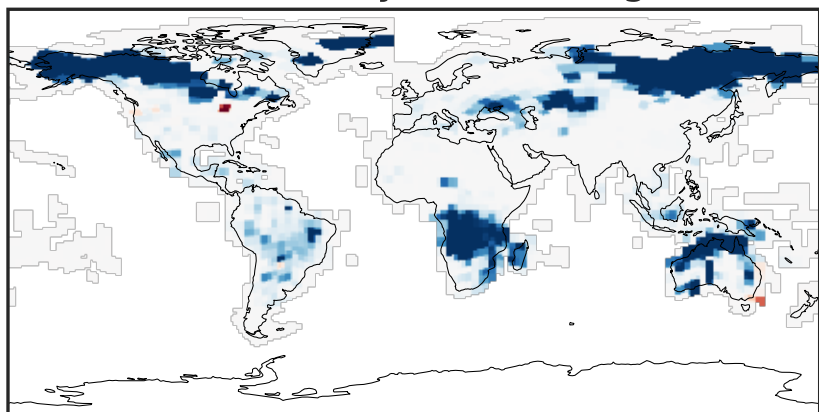
-3 0 3
kg/m²/s 1e-12

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



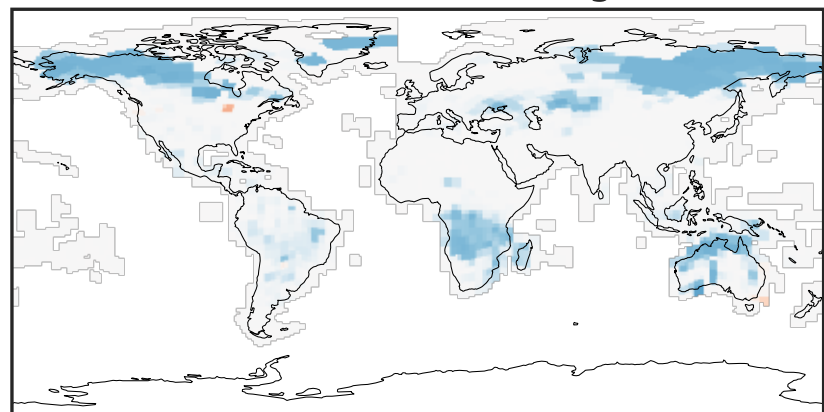
-2.5 0.0 2.5
kg/m²/s 1e-14

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



0.7787 0.8894 1.0000 1.1421 1.2841
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless

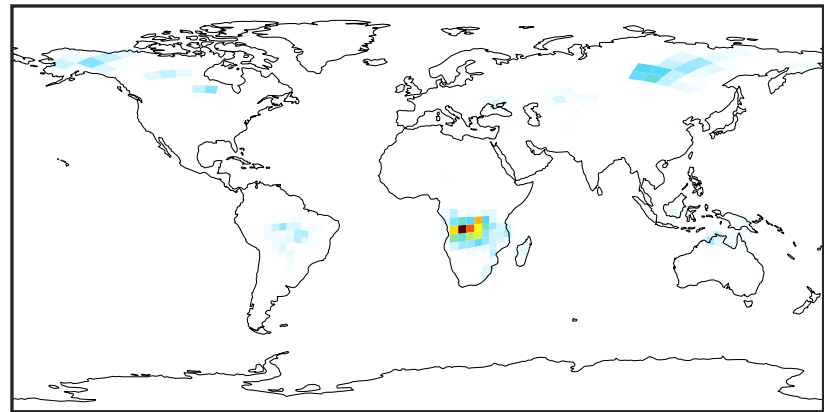
EmisMVK_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



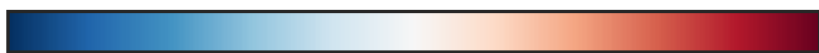
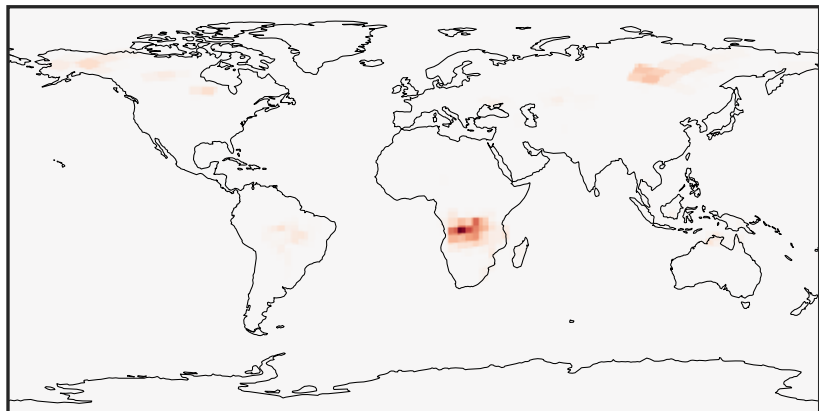
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



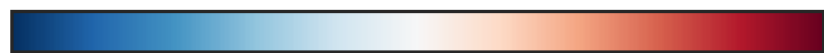
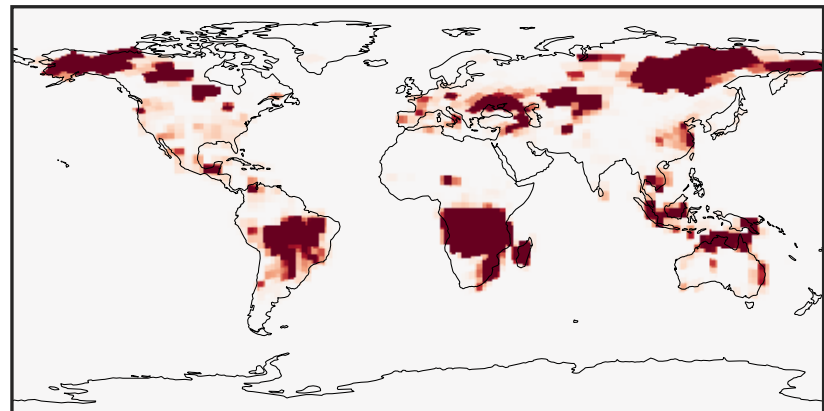
0.0 0.8 1.6 2.4
kg/m²/s 1e-11

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



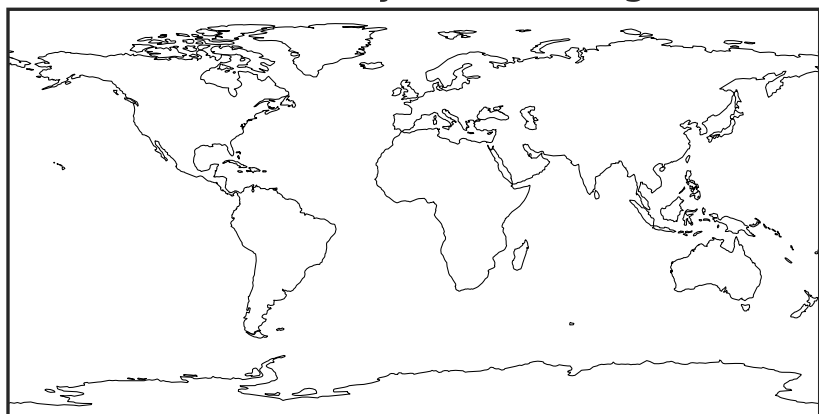
-1.5 0.0 1.5
kg/m²/s 1e-11

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



-8 0 8
kg/m²/s 1e-14

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



Undefined throughout domain
unitless

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



Undefined throughout domain
unitless

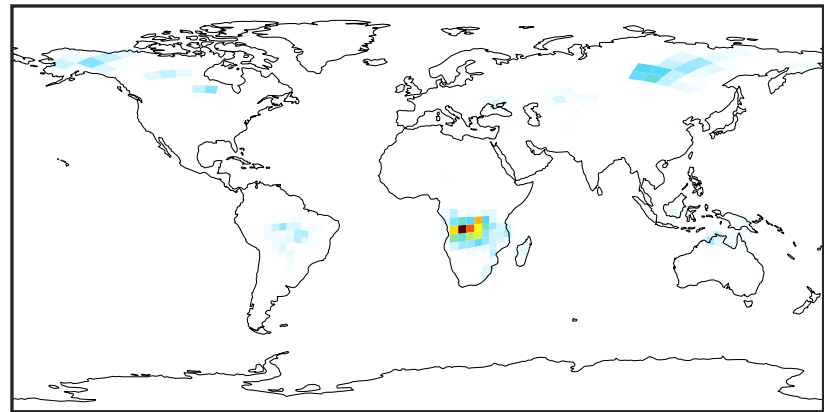
EmisMVK_Total (Jul2019)

GCHP_14.0.0 (Ref)
c24



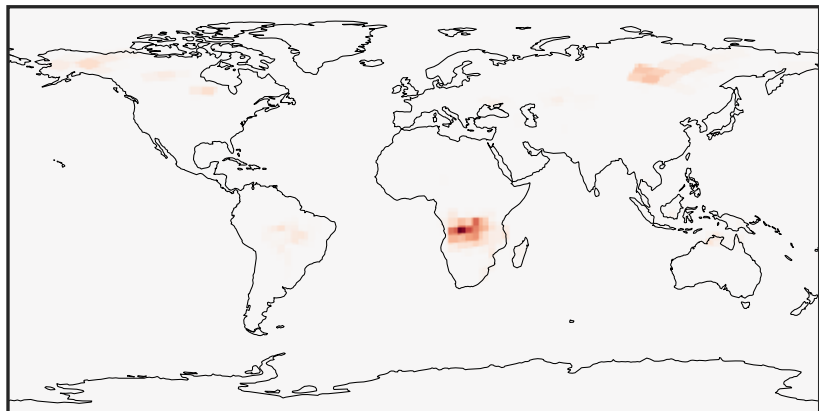
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



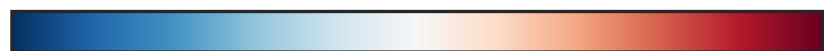
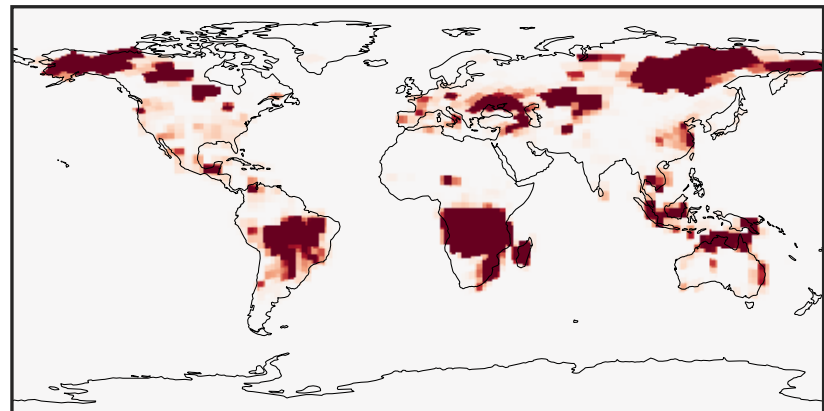
0.0 0.8 1.6 2.4
kg/m²/s 1e-11

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



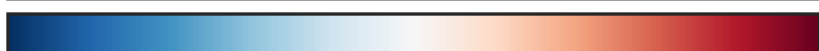
-1.5 0.0 1.5
kg/m²/s 1e-11

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



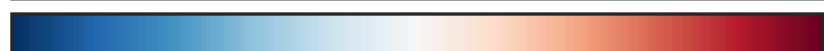
-8 0 8
kg/m²/s 1e-14

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



Undefined throughout domain
unitless

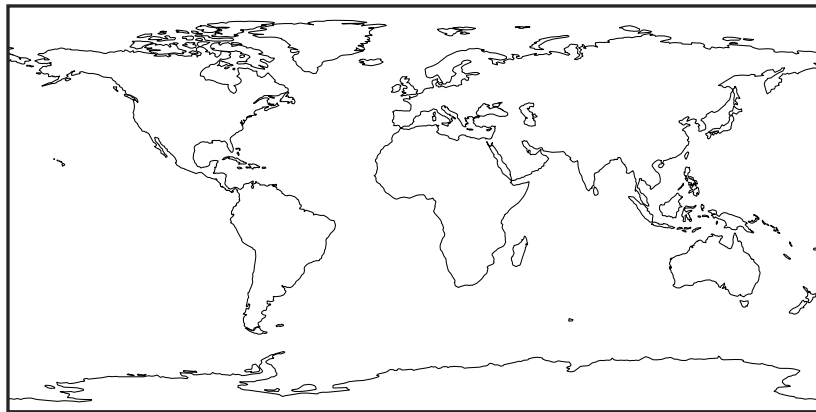
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

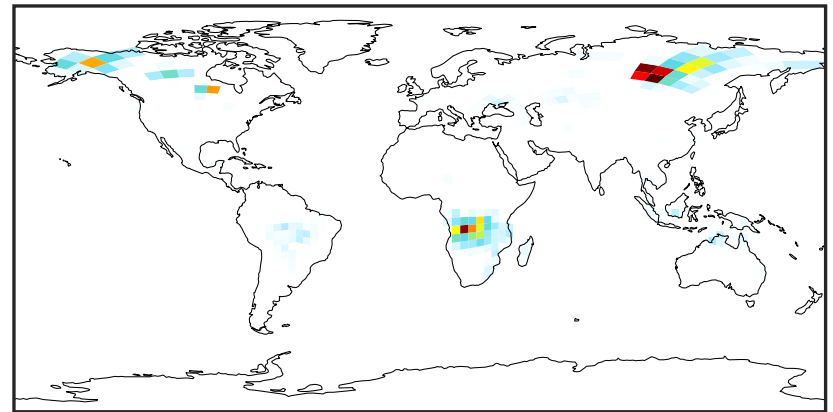
EmisFURA_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



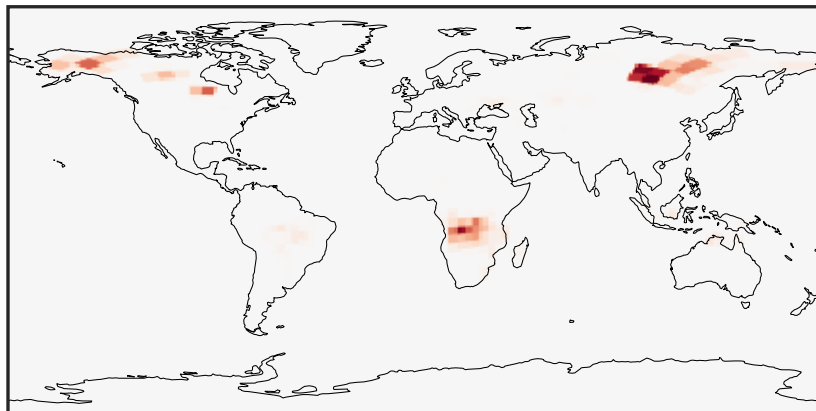
Zero throughout domain
kg/m2/s

GCHP_14.2.0 (Dev)
c24



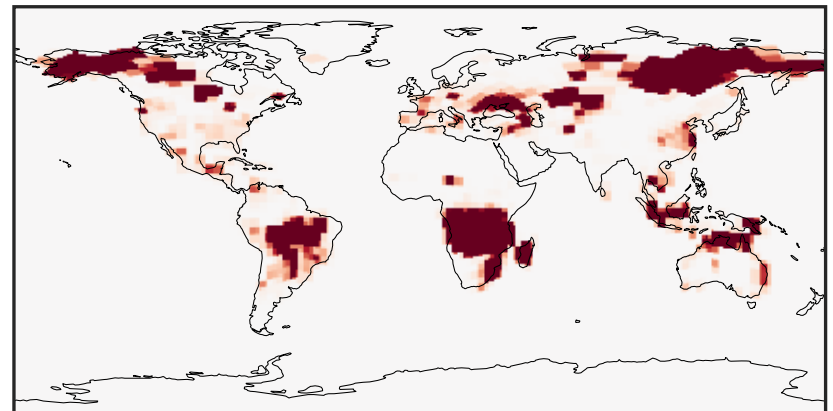
0 2 4 6
kg/m2/s 1e-11

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



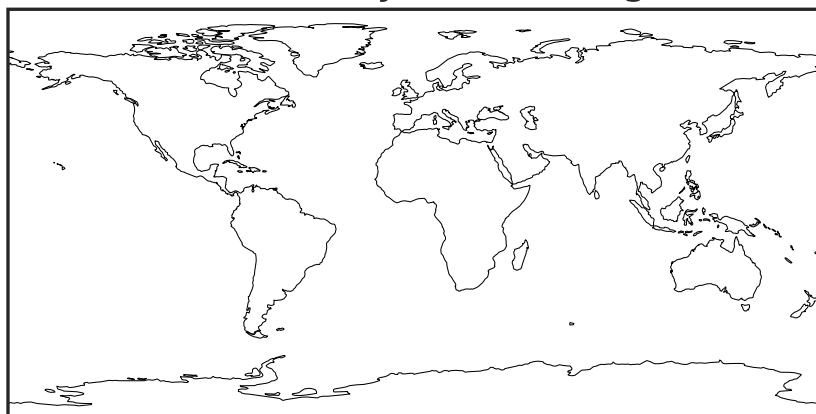
-4 0 4
kg/m2/s 1e-11

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



-2.5 0.0 2.5
kg/m2/s 1e-13

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



Undefined throughout domain
unitless

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



Undefined throughout domain
unitless

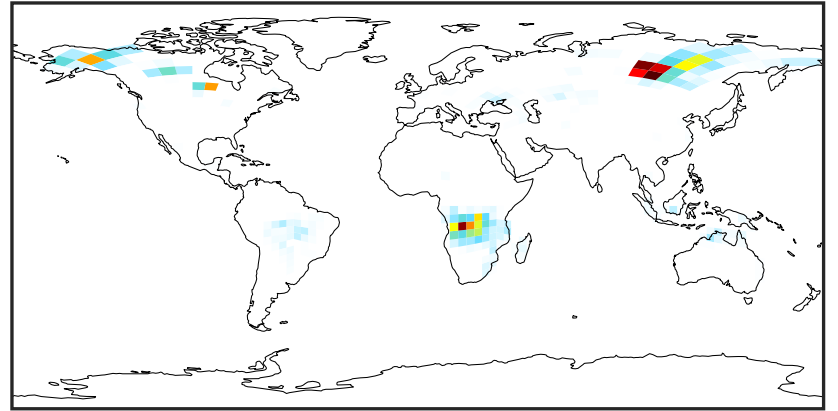
EmisFURA_Total (Jul2019)

GCHP_14.0.0 (Ref)
c24



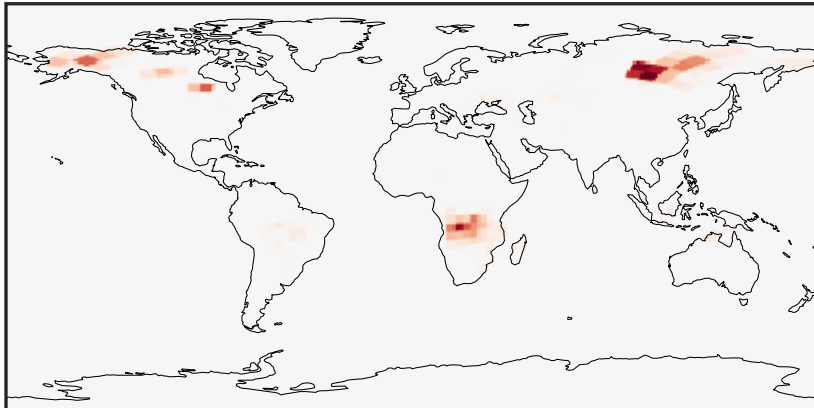
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



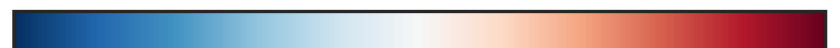
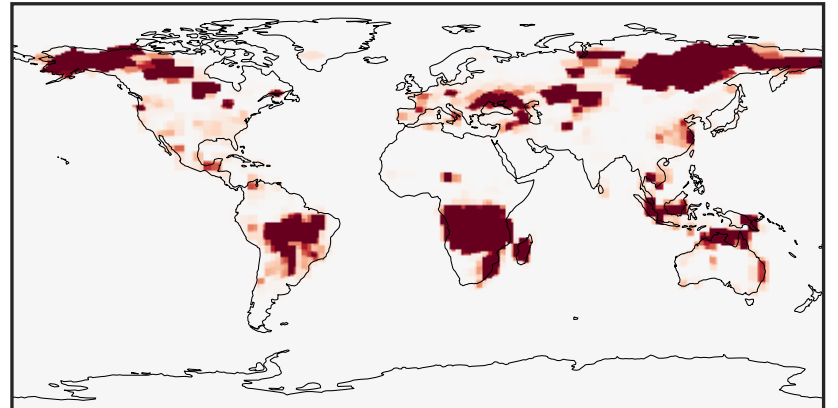
0 2 4 6
kg/m²/s 1e-11

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



-4 0 4
kg/m²/s 1e-11

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



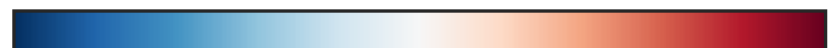
-2.5 0.0 2.5
kg/m²/s 1e-13

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



Undefined throughout domain
unitless

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



Undefined throughout domain
unitless

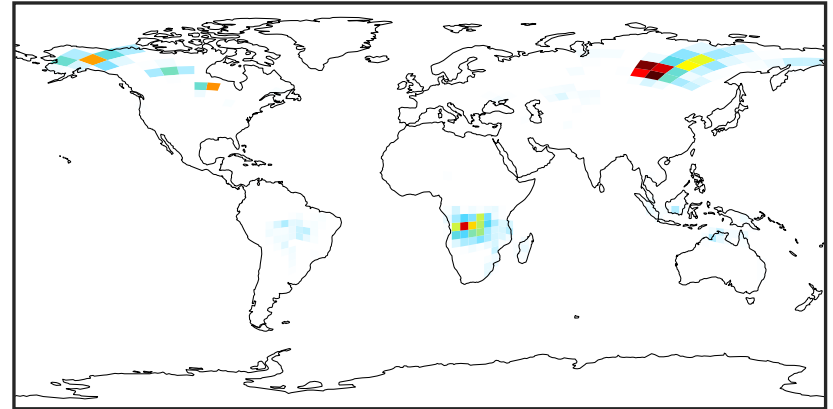
EmisGLYX_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



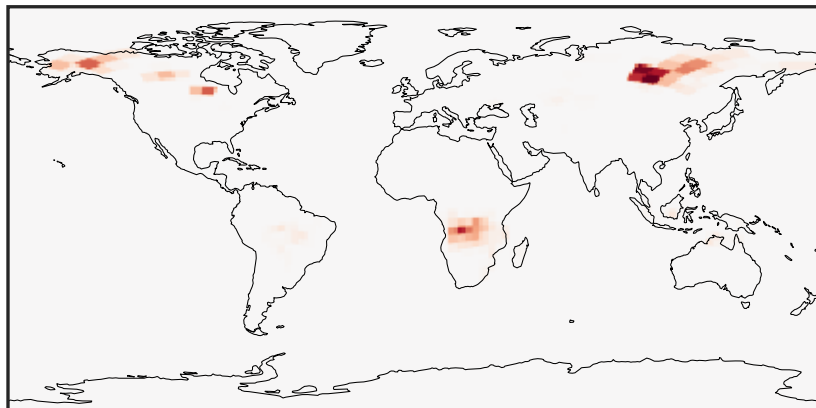
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



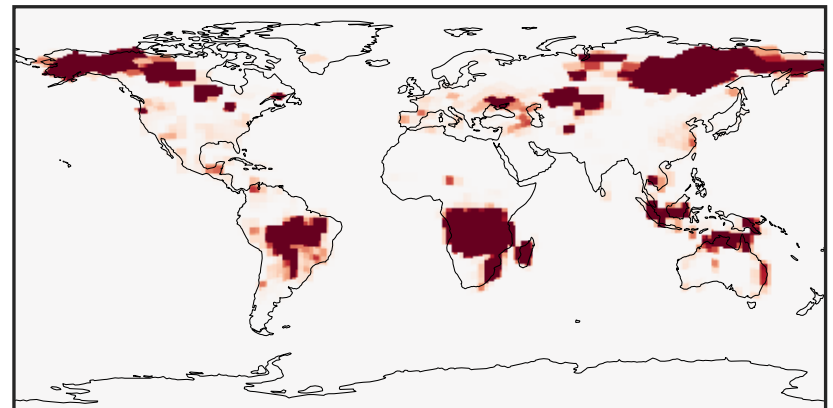
0.0 1.5 3.0
kg/m²/s 1e-11

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



-2.5 0.0 2.5
kg/m²/s 1e-11

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



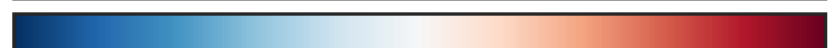
-1.5 0.0 1.5
kg/m²/s 1e-13

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



Undefined throughout domain
unitless

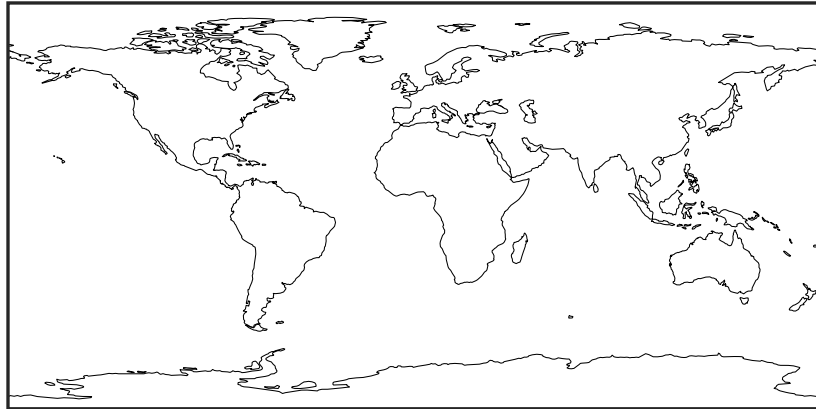
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

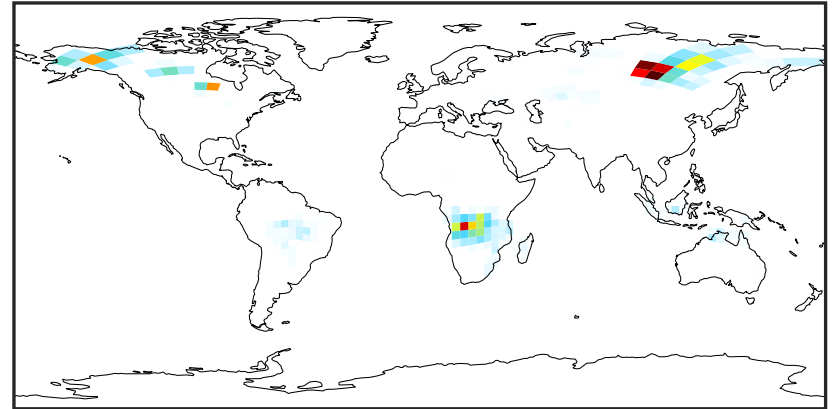
EmisGLYX_Total (Jul2019)

GCHP_14.0.0 (Ref)
c24



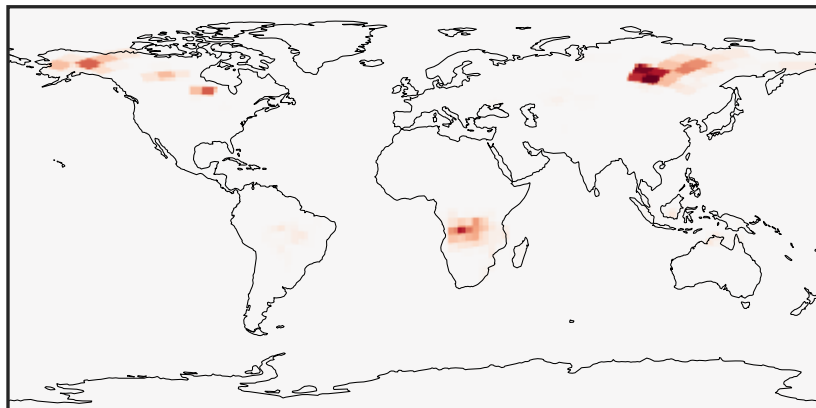
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



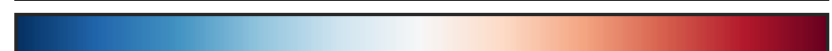
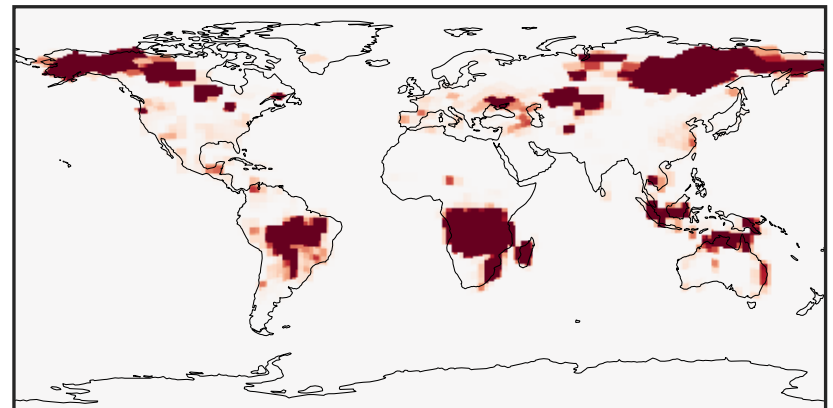
0.0 1.5 3.0
kg/m²/s 1e-11

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



-2.5 0.0 2.5
kg/m²/s 1e-11

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



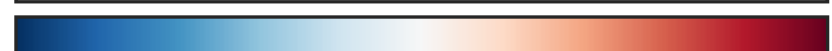
-1.5 0.0 1.5
kg/m²/s 1e-13

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



Undefined throughout domain
unitless

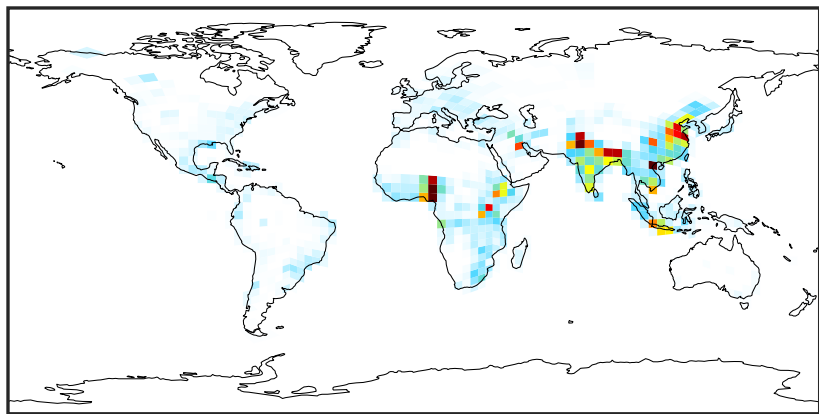
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

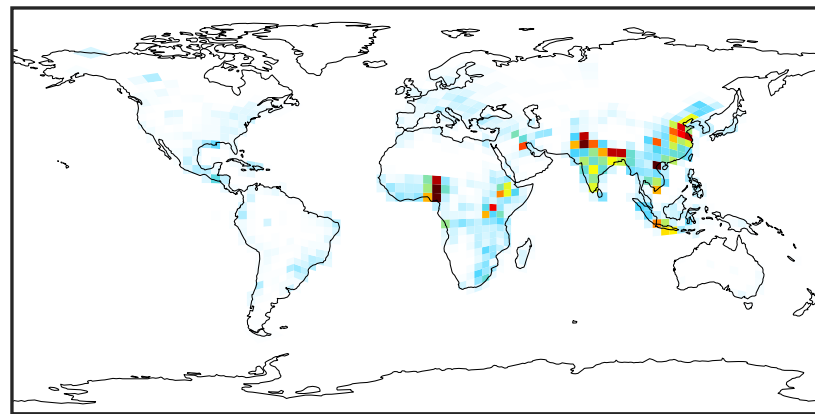
EmisHCOOH_Anthro (Jul2019)

GCHP_14.0.0 (Ref)
c24



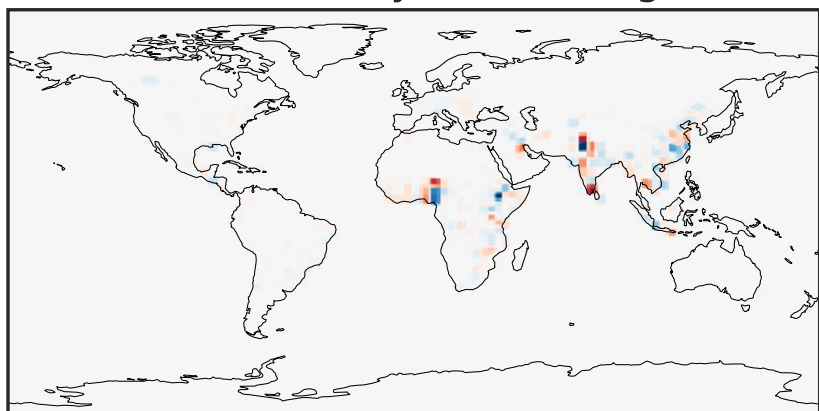
0.0 0.8 1.6 2.4
kg/m²/s 1e-11

GCHP_14.2.0 (Dev)
c24



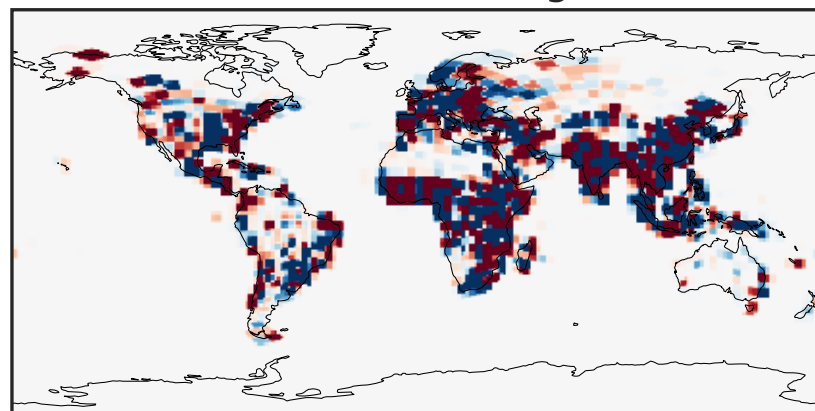
0.0 0.8 1.6 2.4
kg/m²/s 1e-11

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



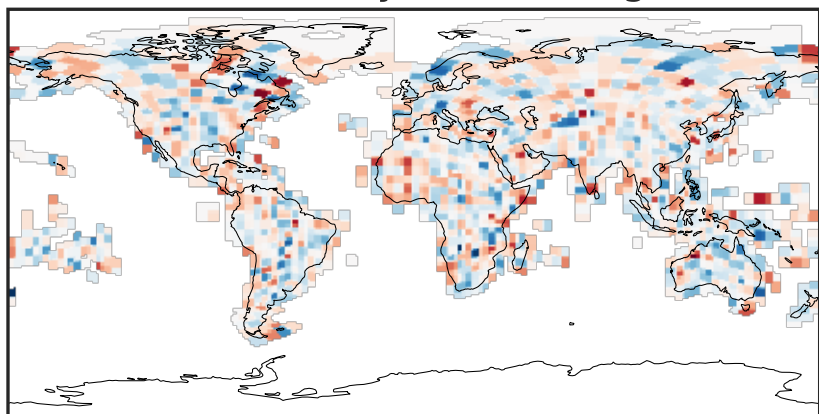
-5 0 5
kg/m²/s 1e-16

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



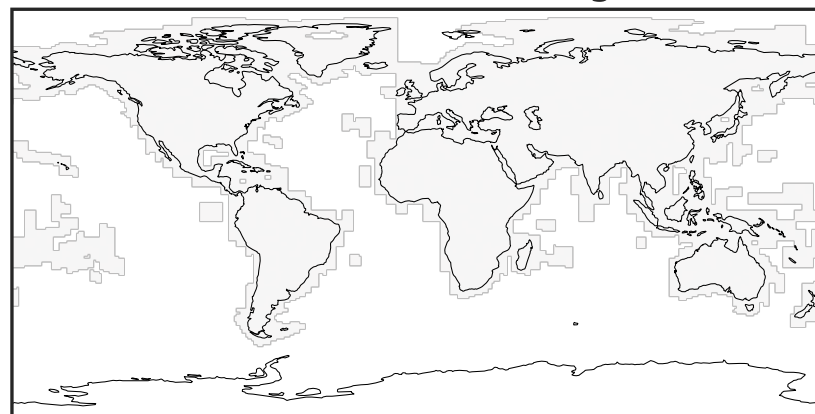
-3 0 3
kg/m²/s 1e-18

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



0.9999295 1.000000 1.0000706
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless

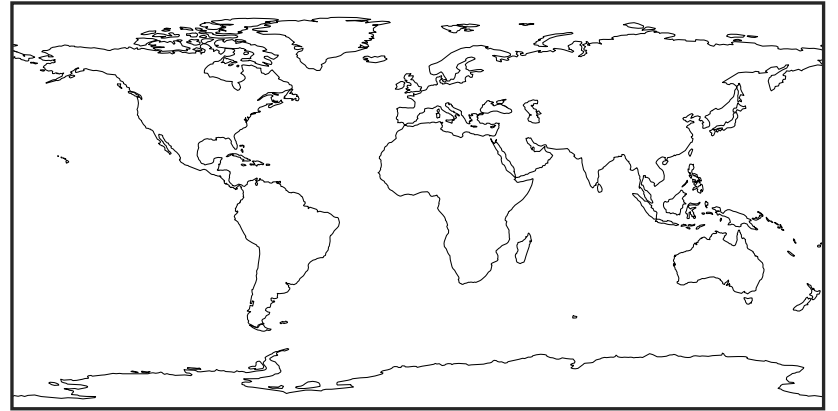
EmisHCOOH_Ship (Jul2019)

GCHP_14.0.0 (Ref)
c24



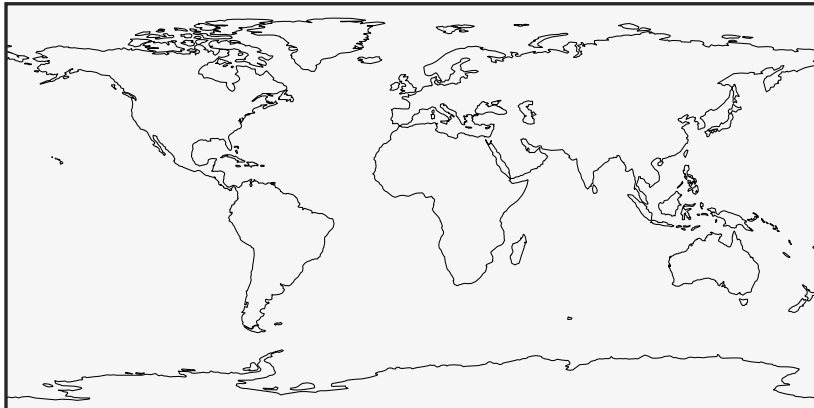
Zero throughput domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



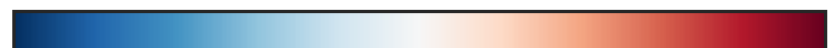
Zero throughput domain
kg/m²/s

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



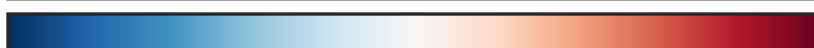
Zero throughput domain
kg/m²/s

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



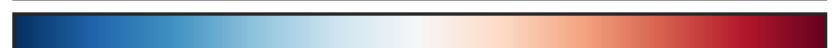
Zero throughput domain
kg/m²/s

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



Undefined throughput domain
unitless

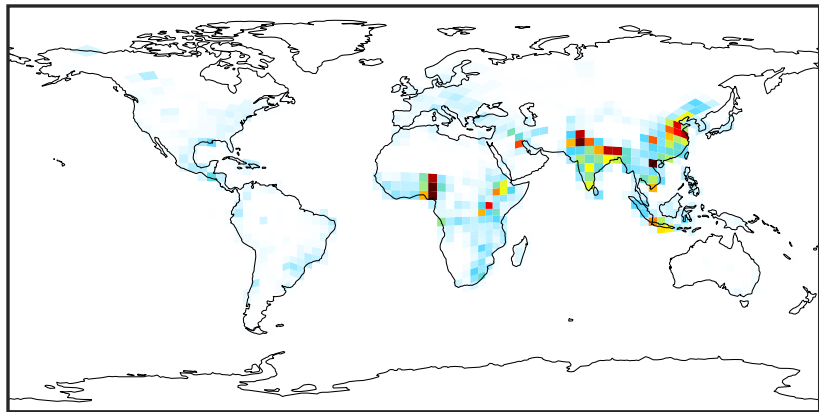
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughput domain
unitless

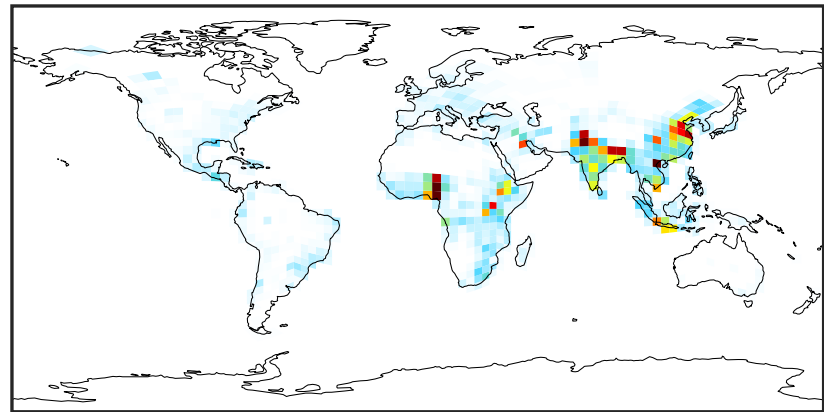
EmisHCOOH_Total (Jul2019)

GCHP_14.0.0 (Ref)
c24



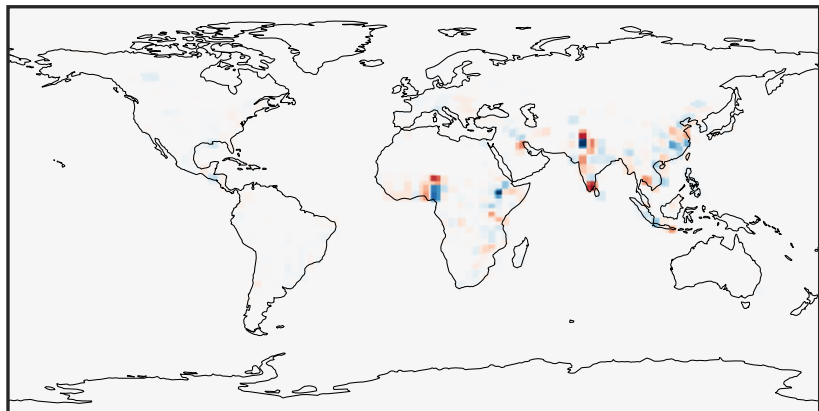
0.0 0.8 1.6 2.4
kg/m2/s $1e-11$

GCHP_14.2.0 (Dev)
c24



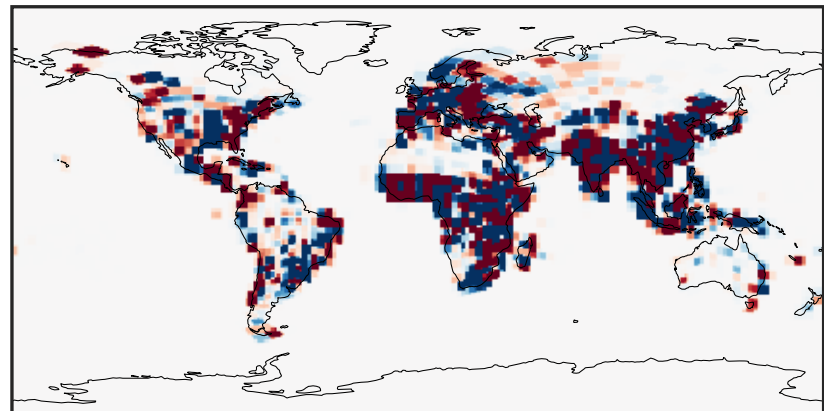
0.0 0.8 1.6 2.4
kg/m2/s $1e-11$

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



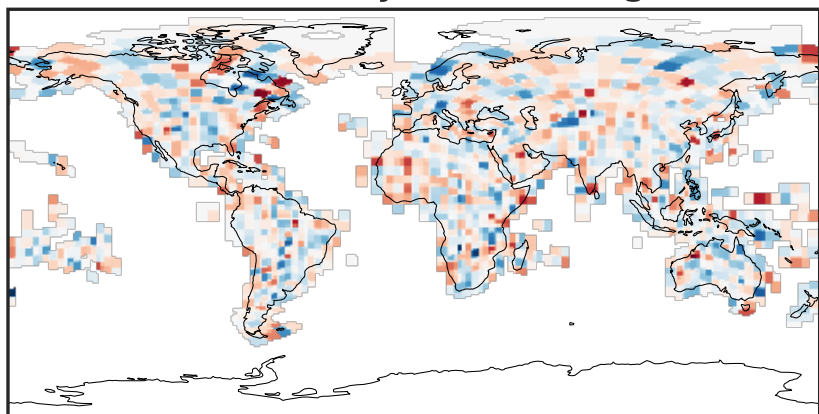
-5 0 5
kg/m2/s $1e-16$

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



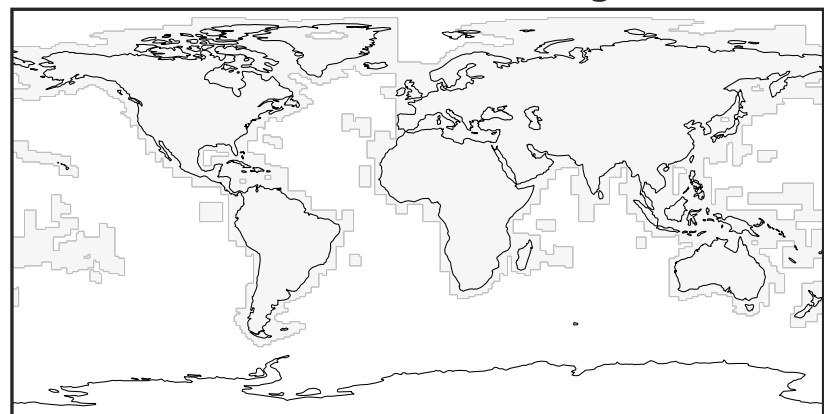
-3 0 3
kg/m2/s $1e-18$

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



0.9999295 1.000000 1.0000706
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless

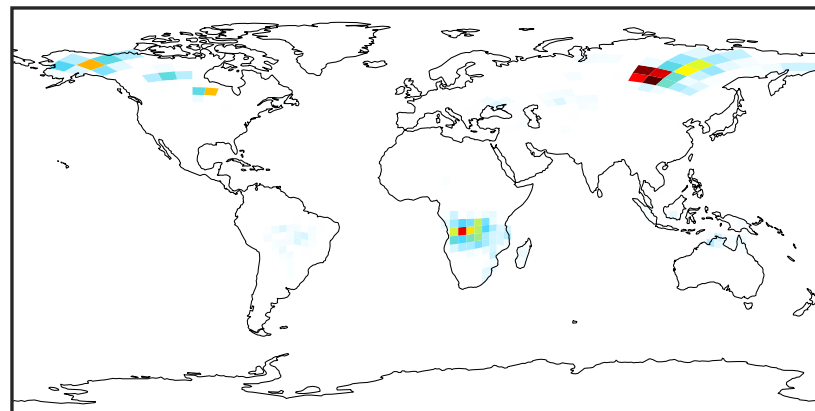
EmisPHEN_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



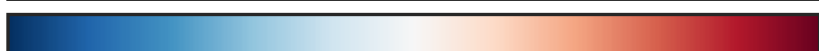
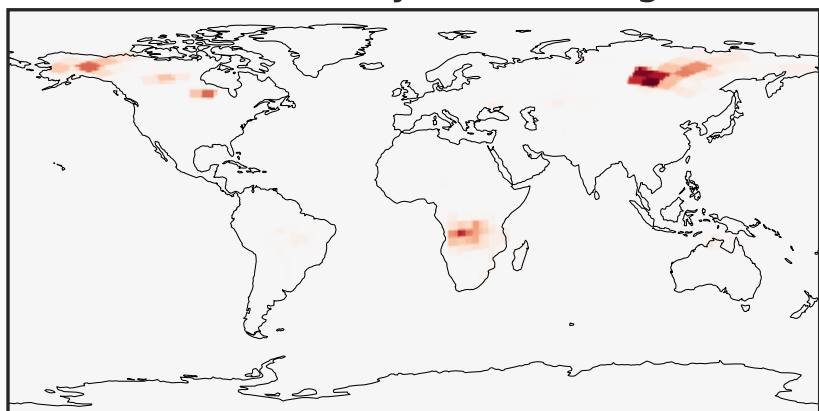
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



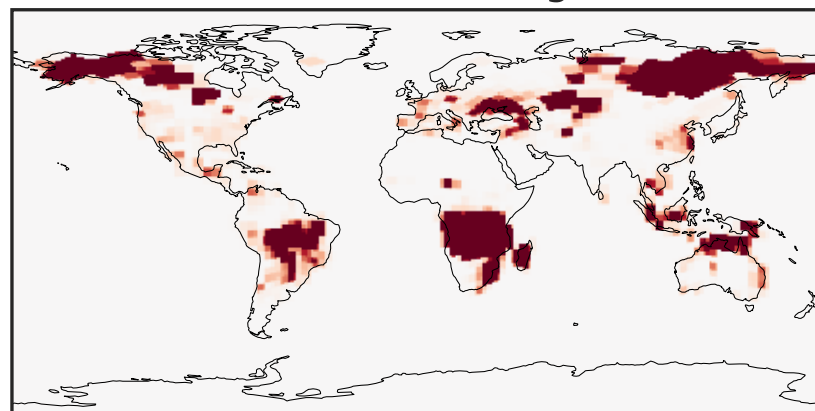
0.0 1.5 3.0 4.5
kg/m²/s 1e-11

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



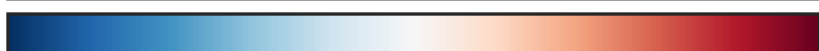
-3 0 3
kg/m²/s 1e-11

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



-2 0 2
kg/m²/s 1e-13

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



Undefined throughout domain
unitless

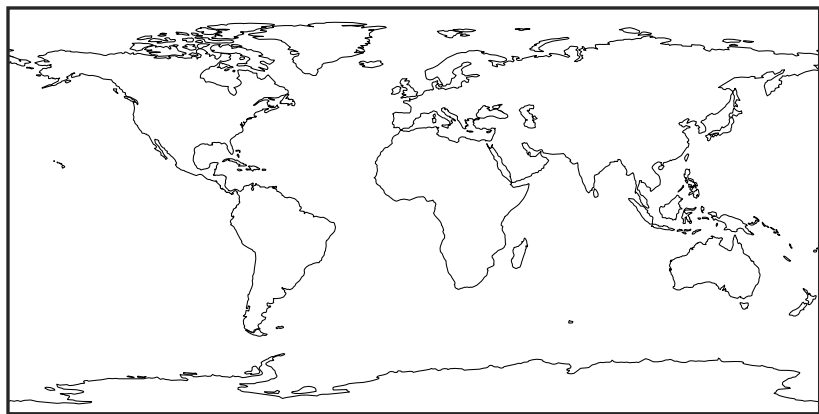
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

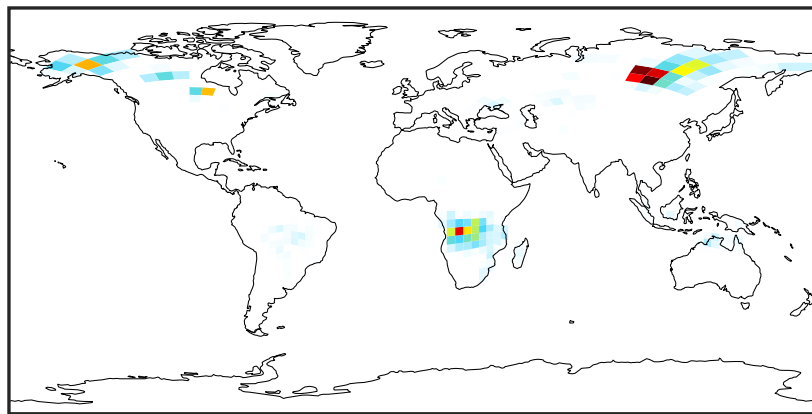
EmisPHEN_Total (Jul2019)

GCHP_14.0.0 (Ref)
c24



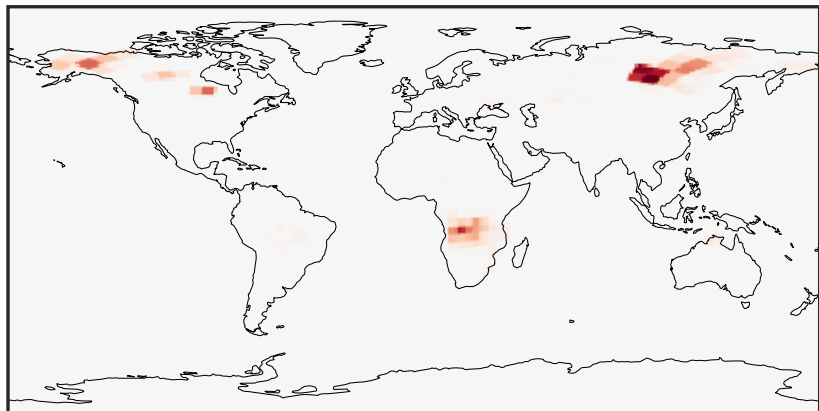
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



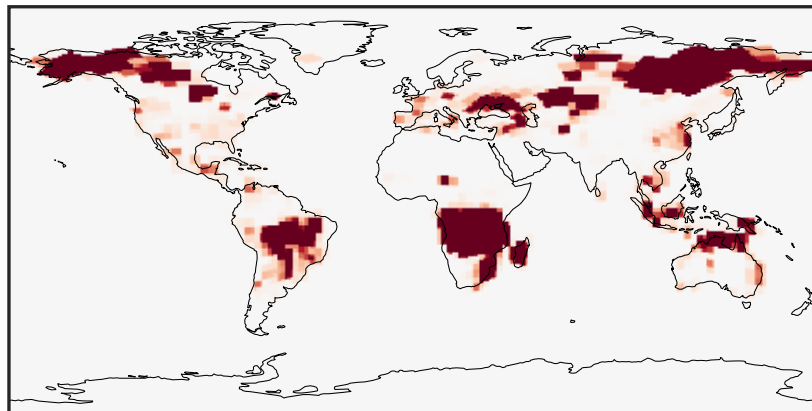
0.0 1.5 3.0 4.5
kg/m²/s 1e-11

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



-3 0 3
kg/m²/s 1e-11

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



-2 0 2
kg/m²/s 1e-13

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



Undefined throughout domain
unitless

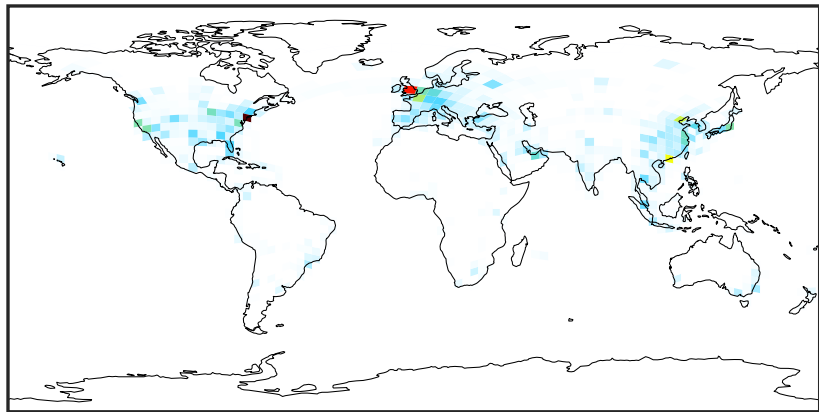
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

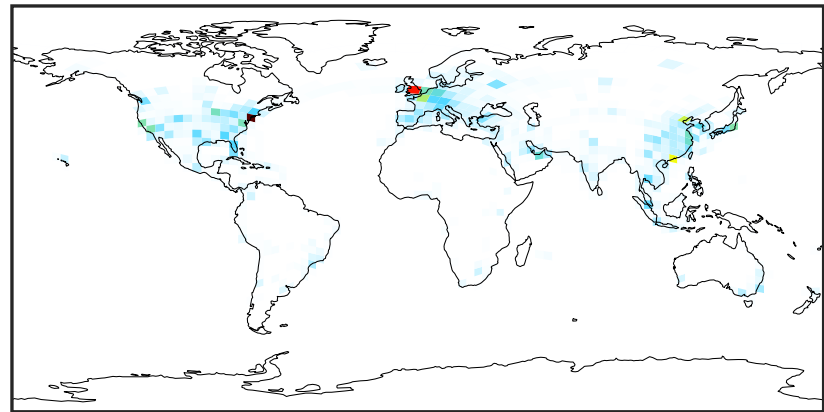
EmisRCHO_Aircraft (Jul2019)

GCHP_14.0.0 (Ref)
c24



0.0 1.5 3.0 4.5
kg/m²/s 1e-14

GCHP_14.2.0 (Dev)
c24



0.0 1.5 3.0 4.5
kg/m²/s 1e-14

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



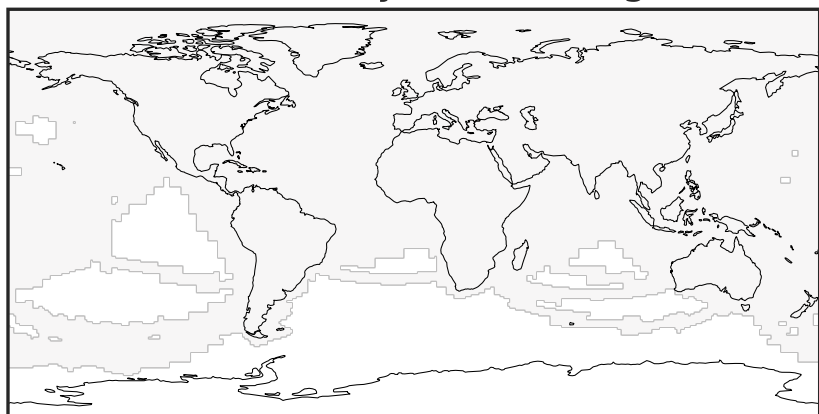
Zero throughout domain
kg/m²/s

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



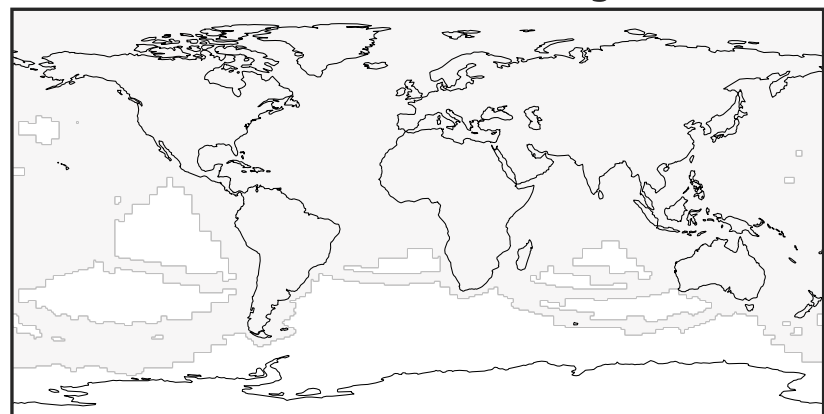
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

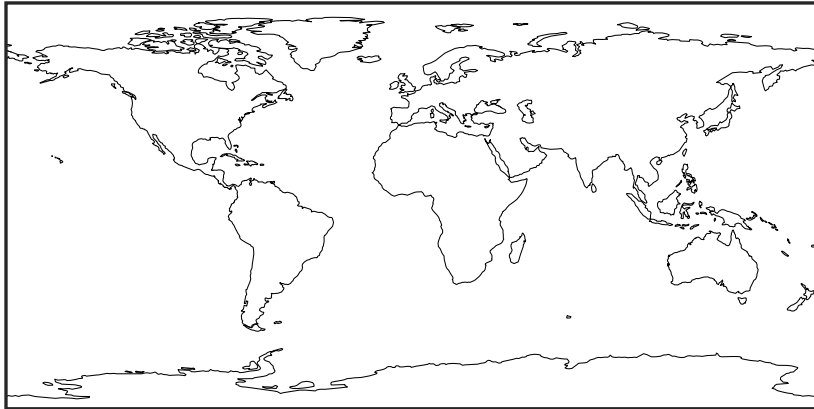
Ratio (1x1.25)
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

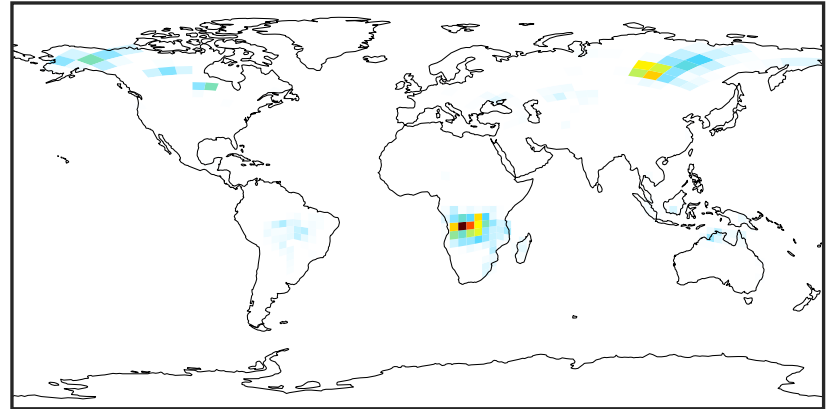
EmisRCHO_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



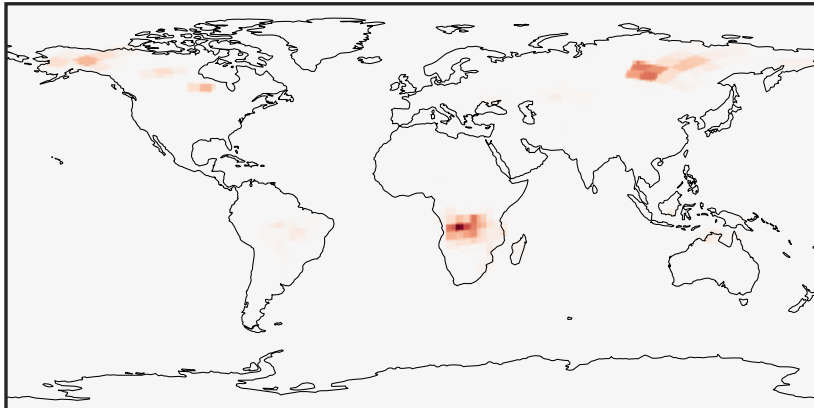
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



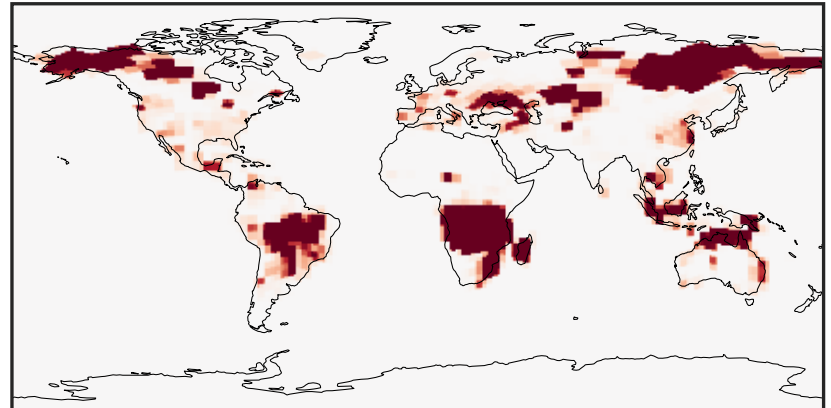
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

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



-8 0 8
kg/m²/s 1e-11

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



-4 0 4
kg/m²/s 1e-13

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



Undefined throughout domain
unitless

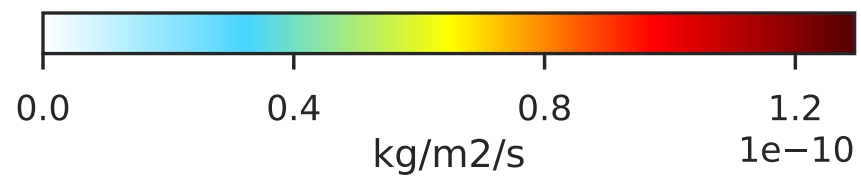
Ratio (1x1.25)
Dev/Ref, Fixed Range



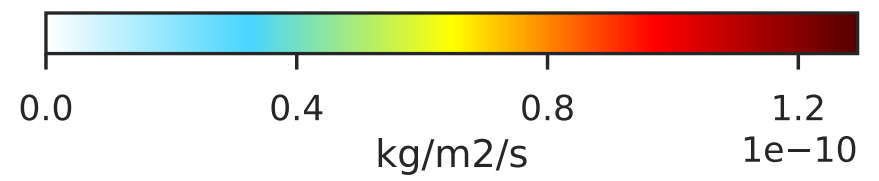
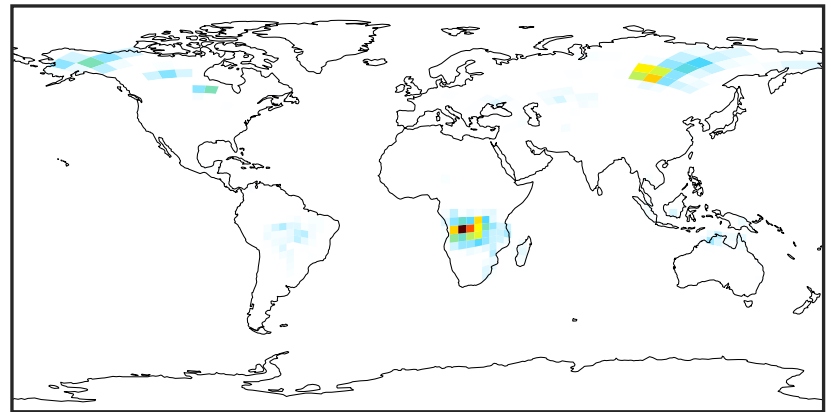
Undefined throughout domain
unitless

EmisRCHO_Total (Jul2019)

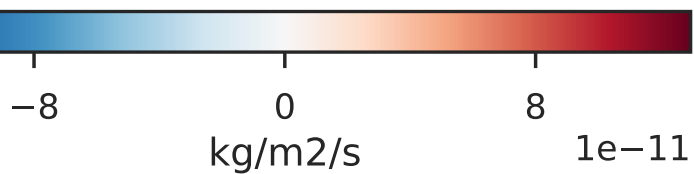
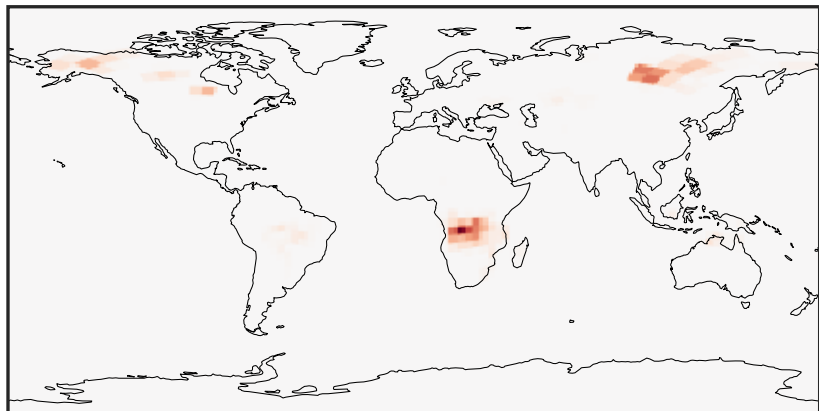
GCHP_14.0.0 (Ref)
c24



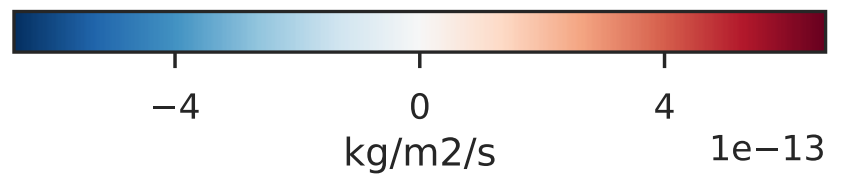
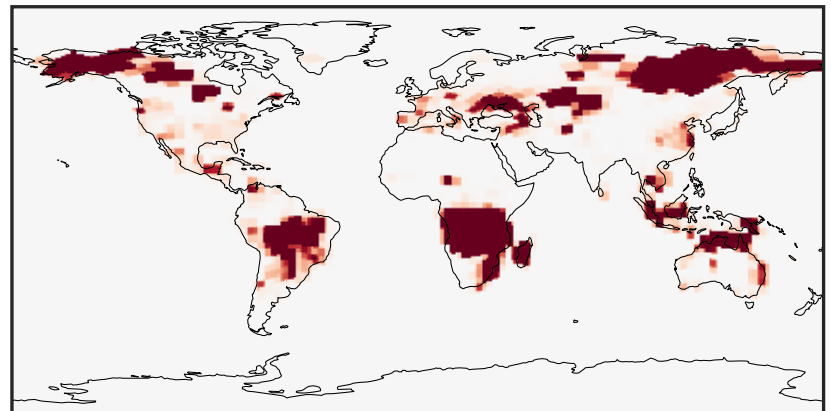
GCHP_14.2.0 (Dev)
c24



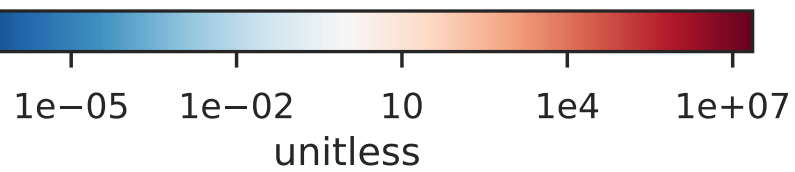
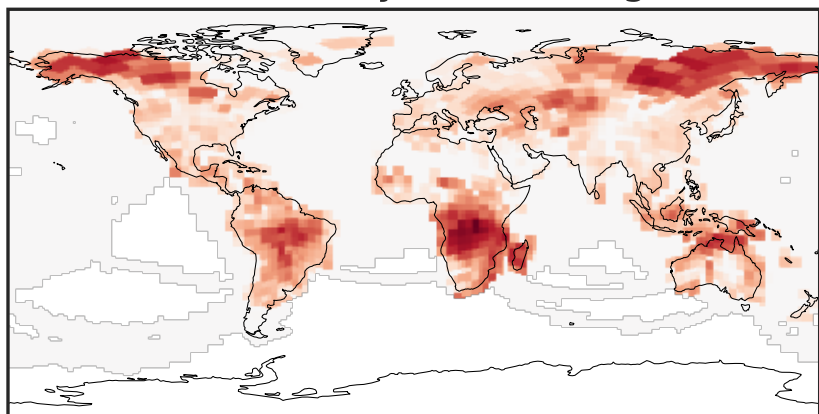
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

