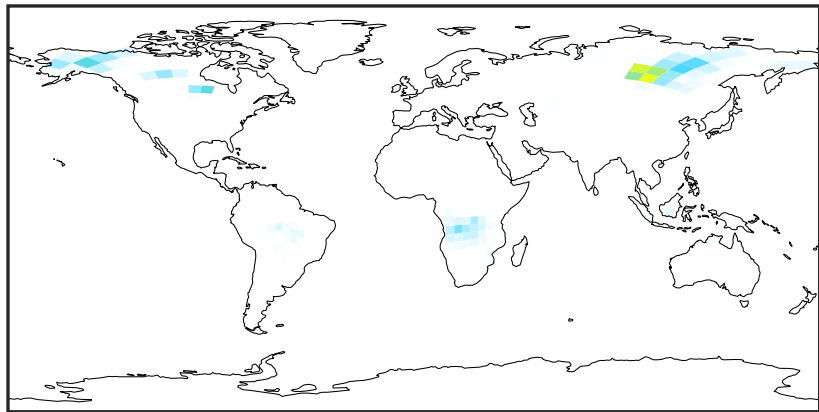


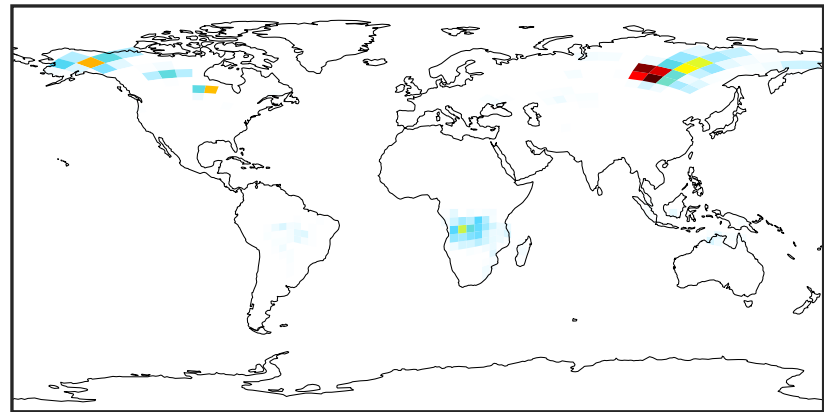
EmisACET_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



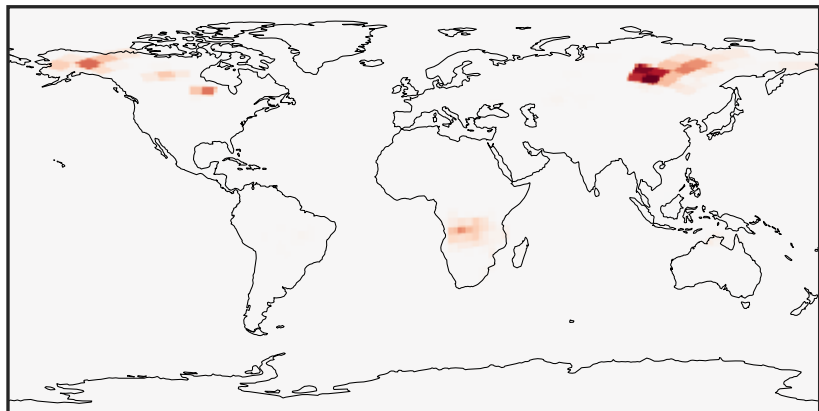
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

GCHP_14.2.0 (Dev)
c24



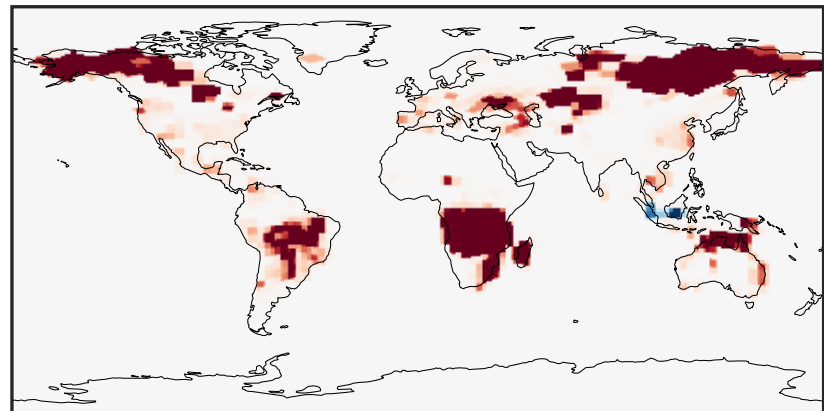
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

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



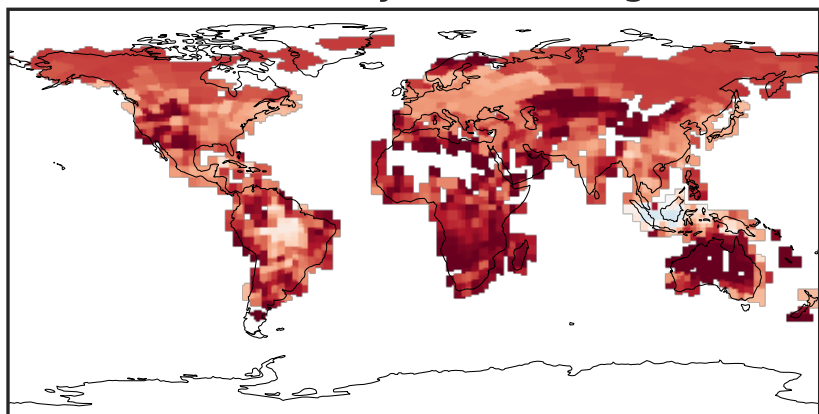
-4 0 4
kg/m²/s 1e-11

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



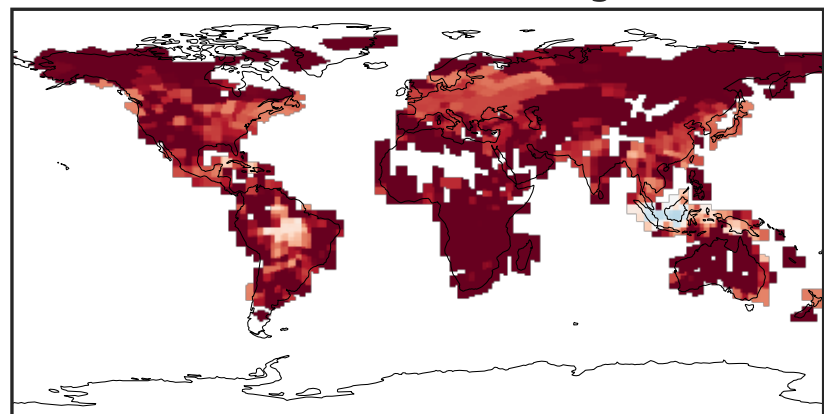
-1.5 0.0 1.5
kg/m²/s 1e-13

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



0.340 0.670 1.000 1.969 2.938
unitless

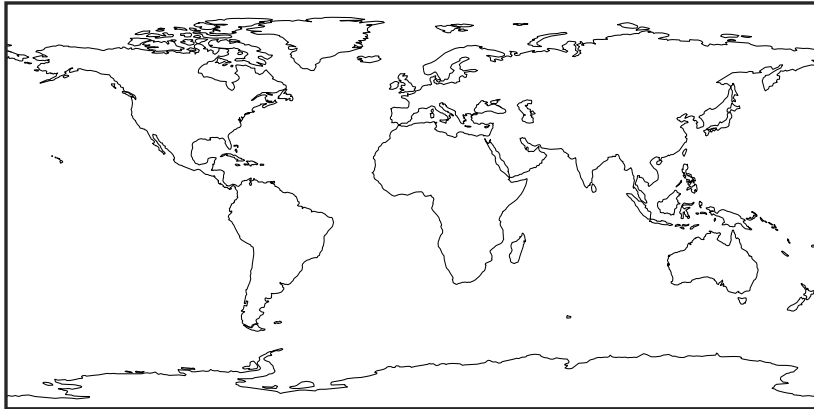
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

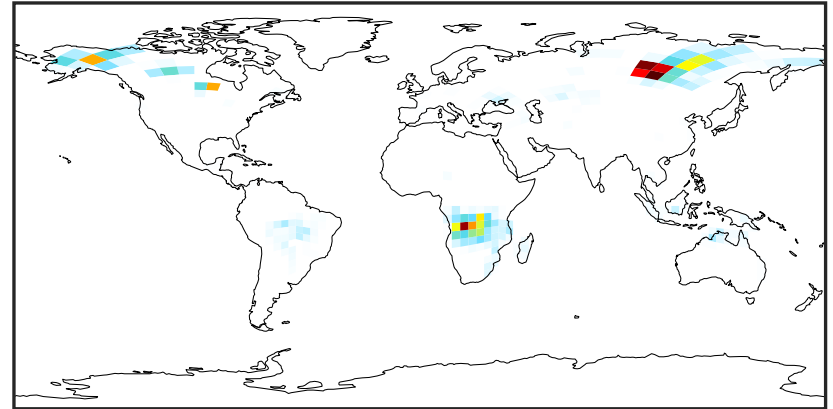
EmisACTA_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



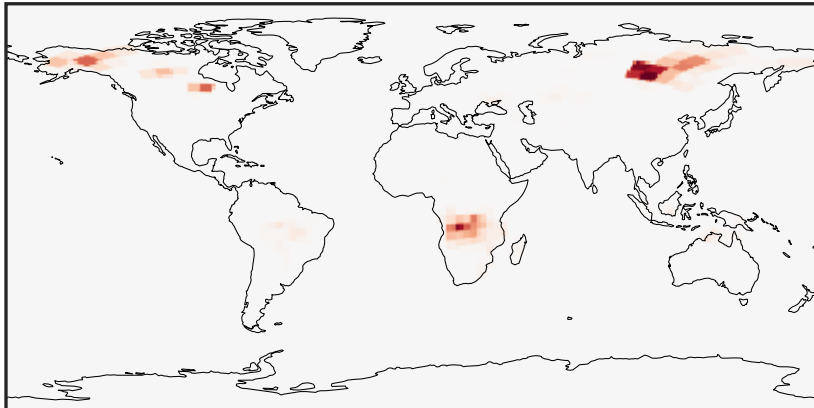
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



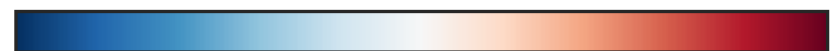
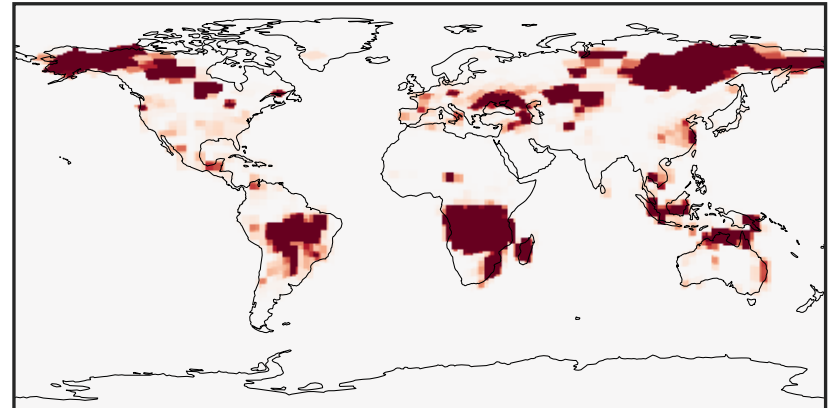
0.0 0.8 1.6 2.4
kg/m²/s 1e-10

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%]



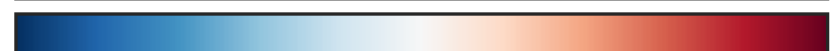
-1 0 1
kg/m²/s 1e-12

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



Undefined throughout domain
unitless

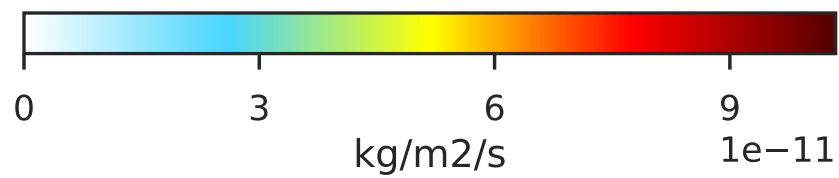
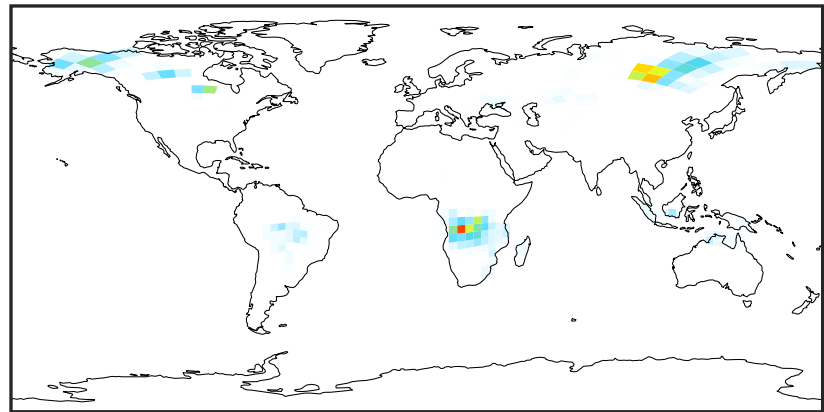
Ratio (1x1.25)
Dev/Ref, Fixed Range



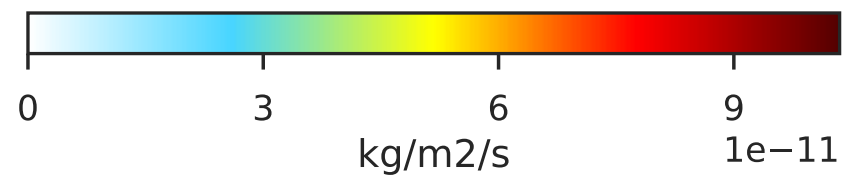
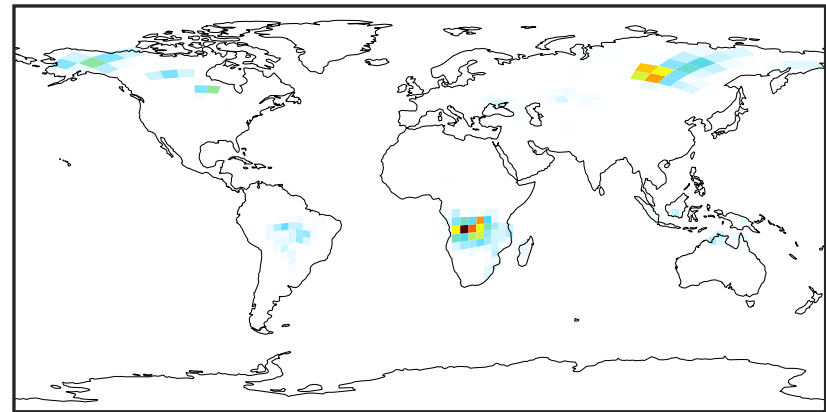
Undefined throughout domain
unitless

EmisALD2_BioBurn (Jul2019)

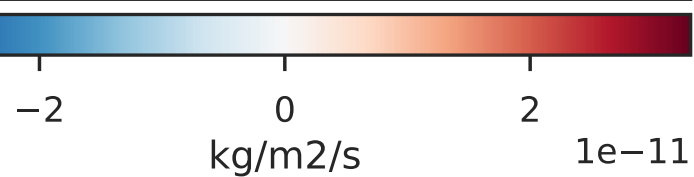
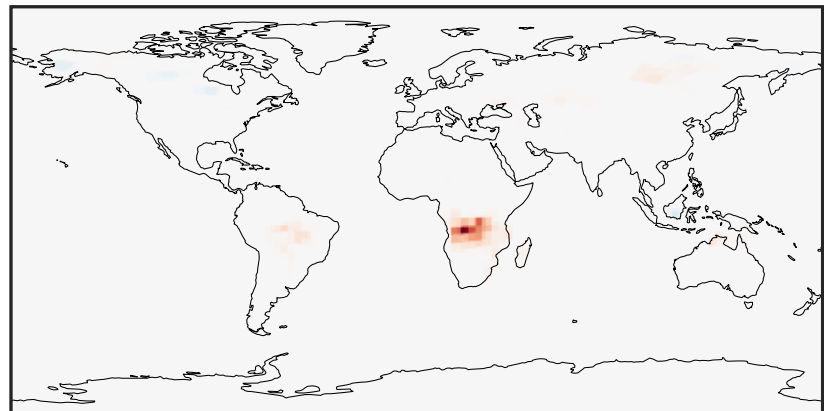
GCHP_14.0.0 (Ref)
c24



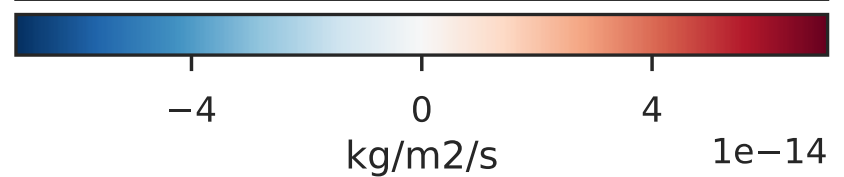
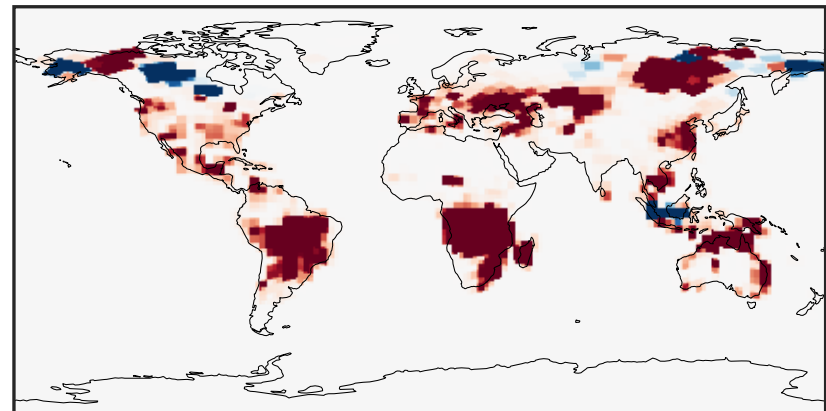
GCHP_14.2.0 (Dev)
c24



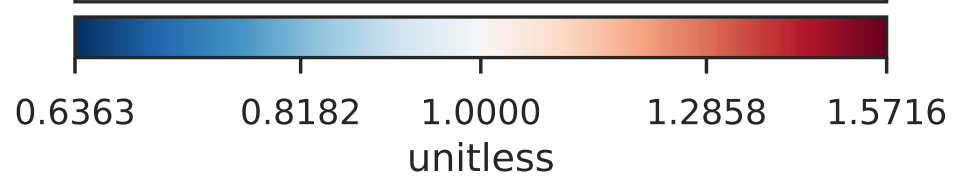
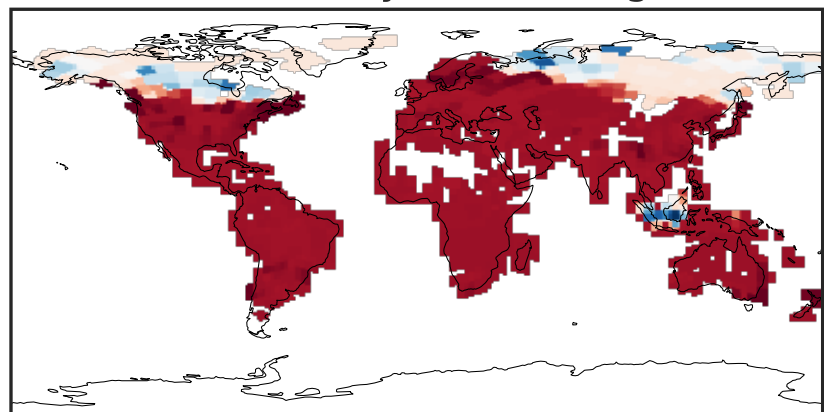
Difference (1x1.25)
Dev - Ref, Dynamic Range



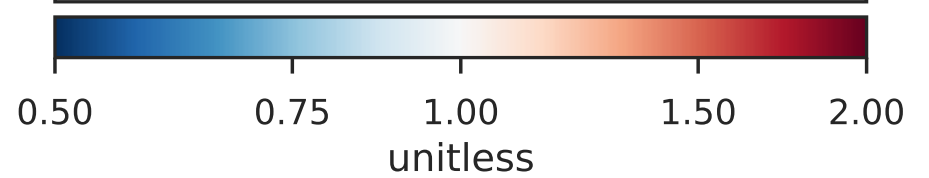
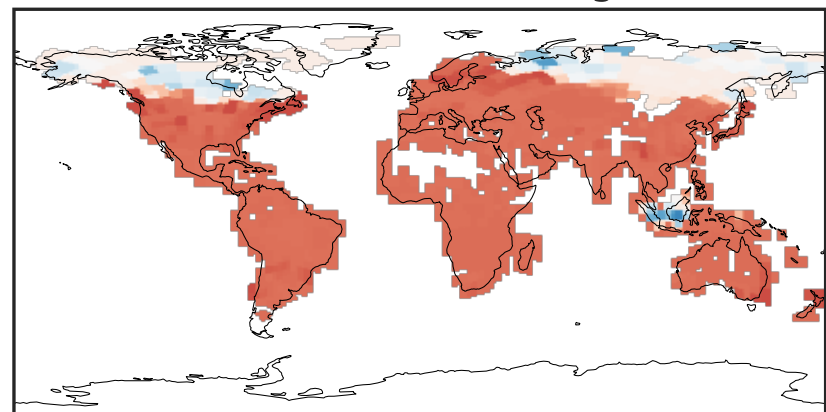
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

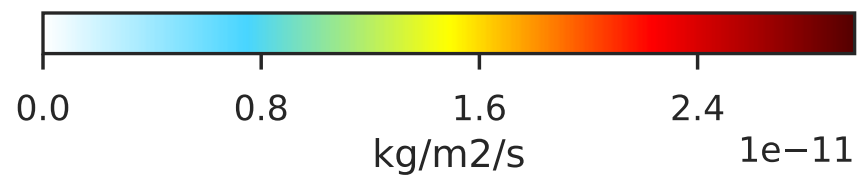
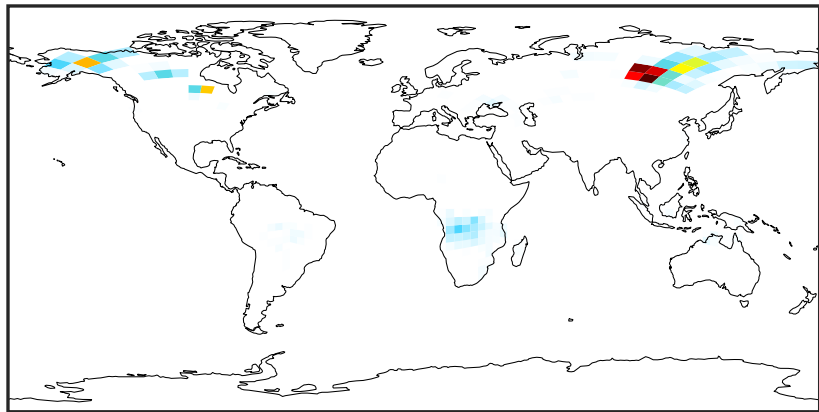


Ratio (1x1.25)
Dev/Ref, Fixed Range

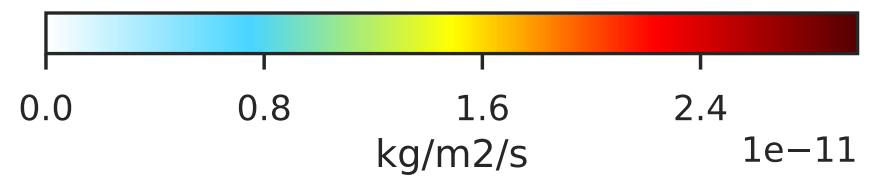
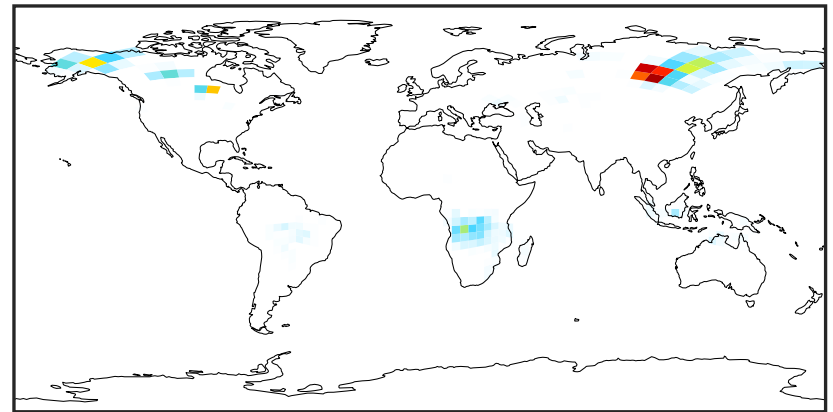


EmisALK4_BioBurn (Jul2019)

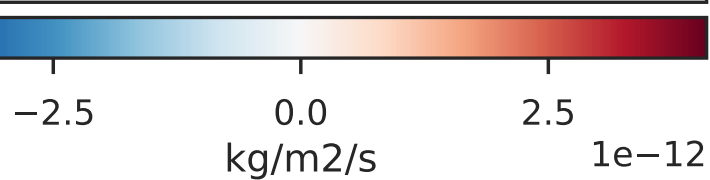
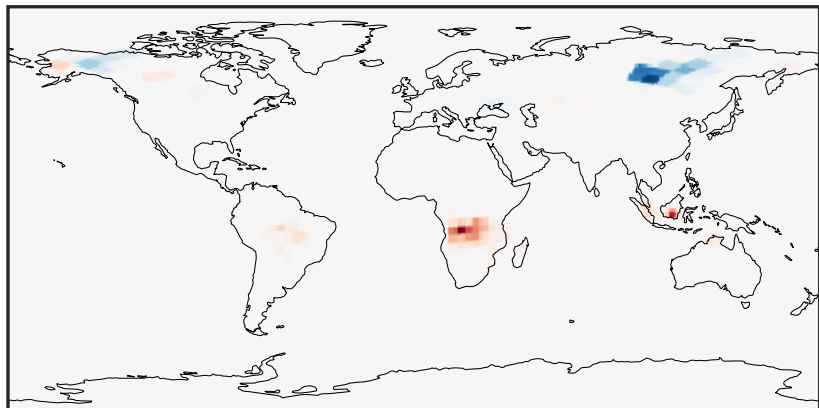
GCHP_14.0.0 (Ref)
c24



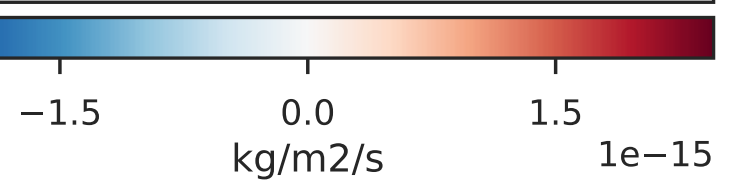
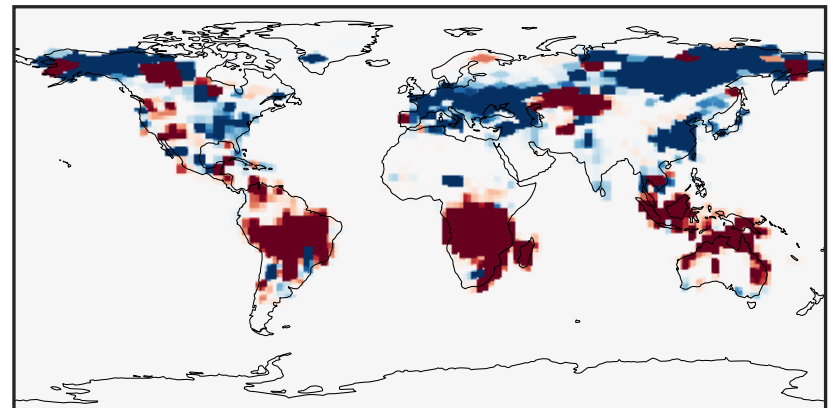
GCHP_14.2.0 (Dev)
c24



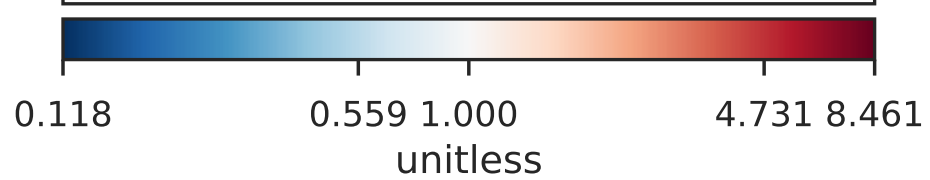
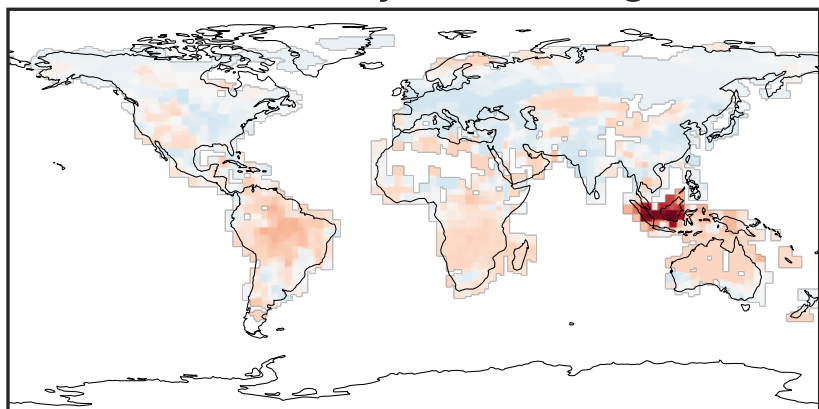
Difference (1x1.25)
Dev - Ref, Dynamic Range



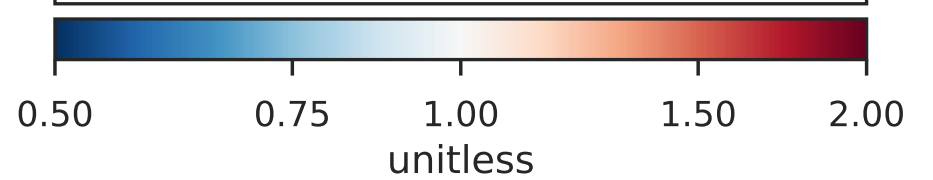
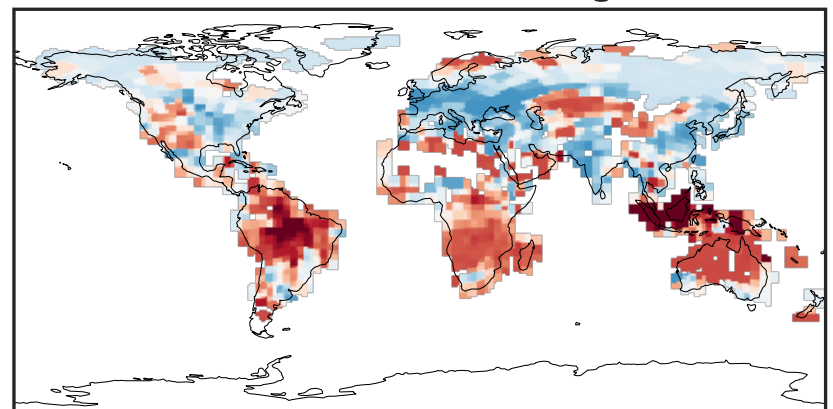
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

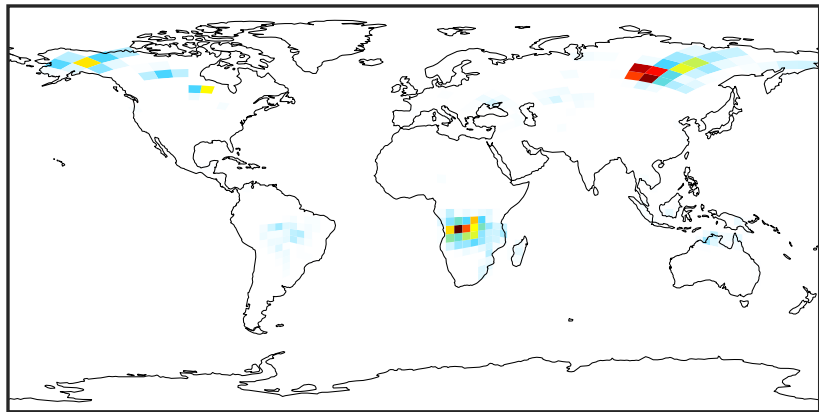


Ratio (1x1.25)
Dev/Ref, Fixed Range



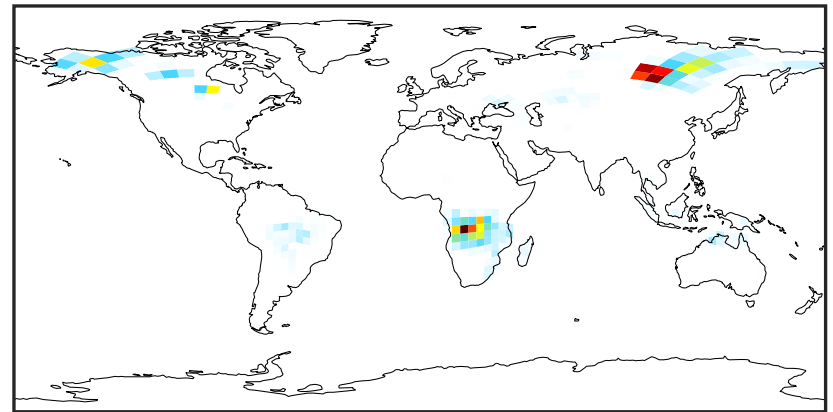
EmisBCPI_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



0.0 2.5 5.0 7.5
 $\text{kg/m}^2/\text{s}$ 10^{-12}

GCHP_14.2.0 (Dev)
c24



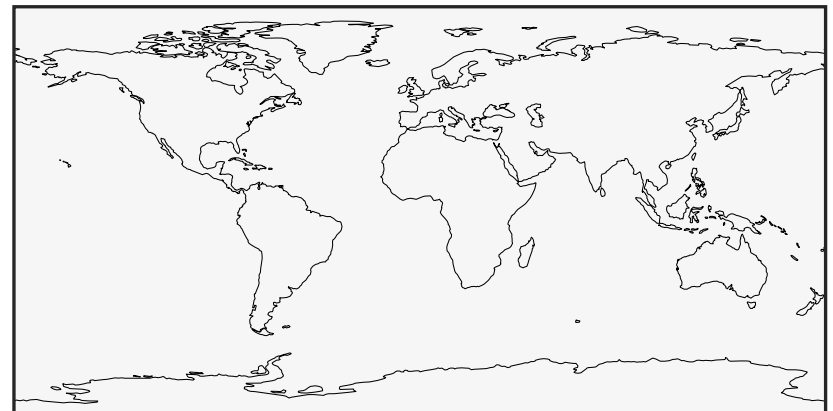
0.0 2.5 5.0 7.5
 $\text{kg/m}^2/\text{s}$ 10^{-12}

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



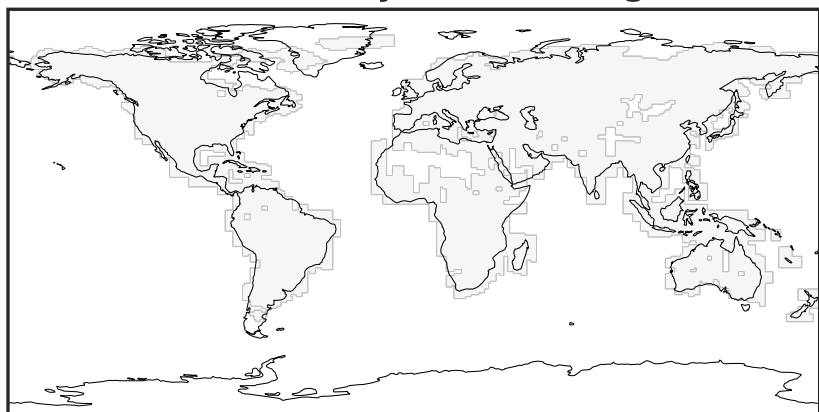
Zero throughout domain
 $\text{kg/m}^2/\text{s}$

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



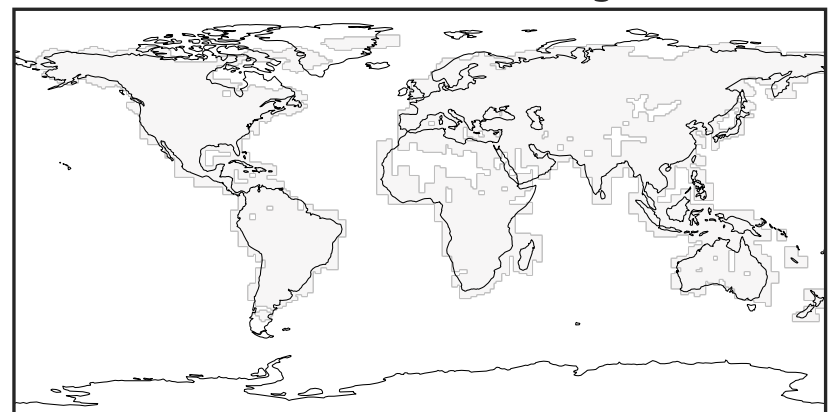
Zero throughout domain
 $\text{kg/m}^2/\text{s}$

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



Ref and Dev equal throughout domain
unitless

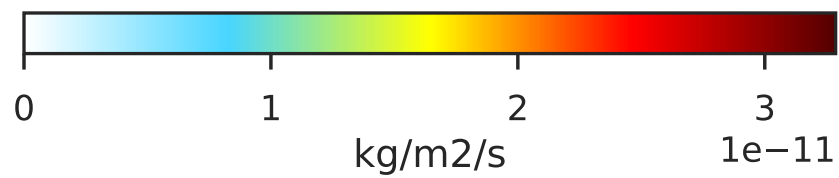
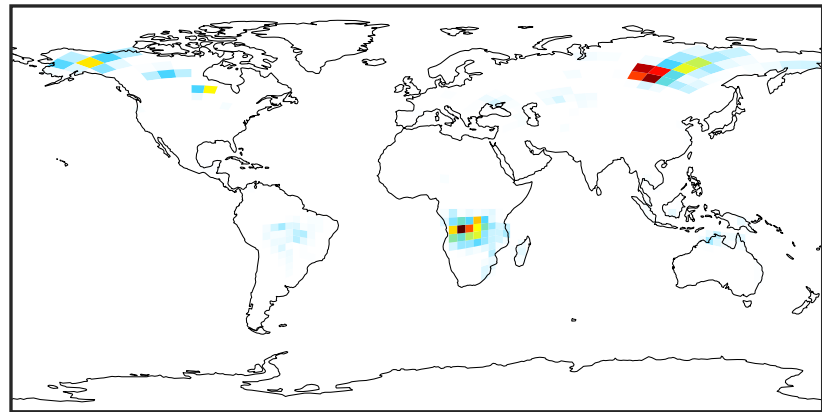
Ratio (1x1.25)
Dev/Ref, Fixed Range



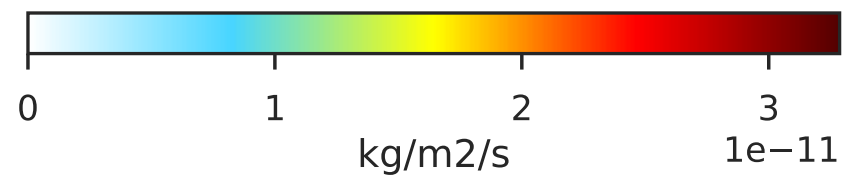
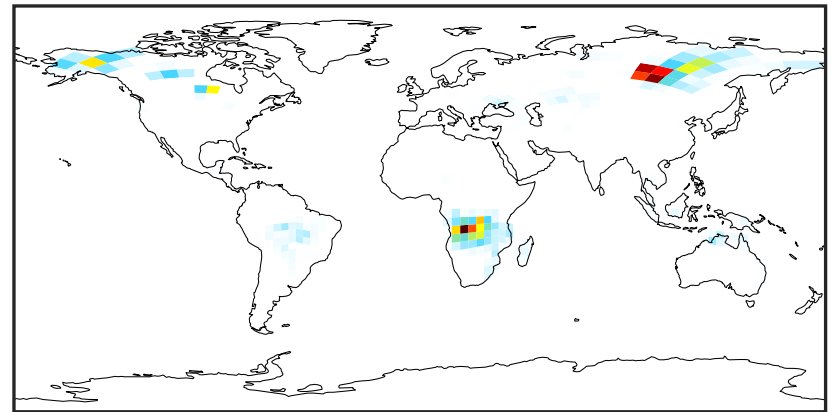
Ref and Dev equal throughout domain
unitless

EmisBCPO_BioBurn (Jul2019)

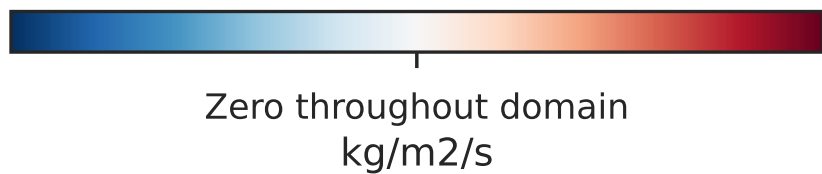
GCHP_14.0.0 (Ref)
c24



GCHP_14.2.0 (Dev)
c24

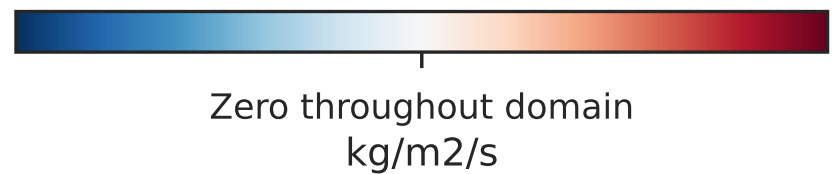


Difference (1x1.25)
Dev - Ref, Dynamic Range



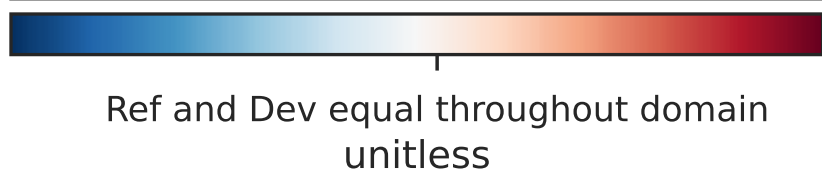
Zero throughout domain
 $\text{kg/m}^2/\text{s}$

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



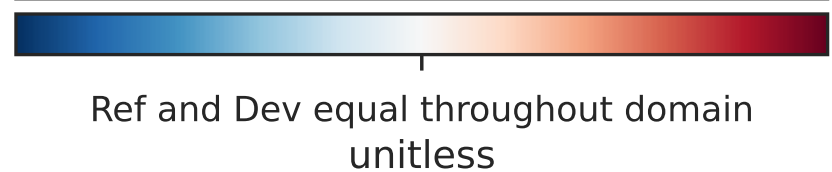
Zero throughout domain
 $\text{kg/m}^2/\text{s}$

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



Ref and Dev equal throughout domain
unitless

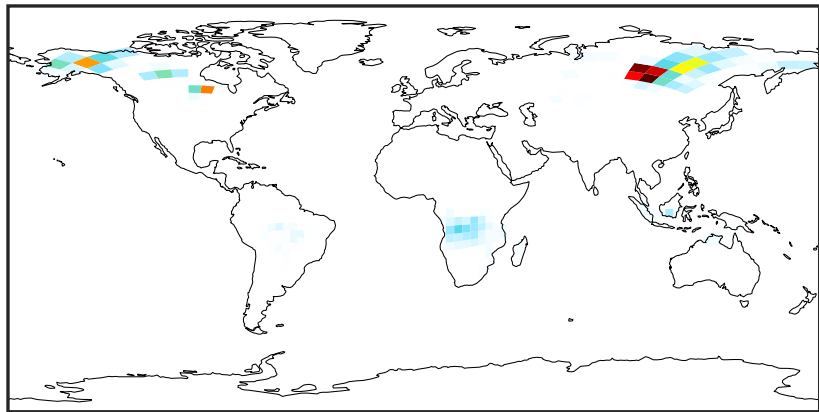
Ratio (1x1.25)
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

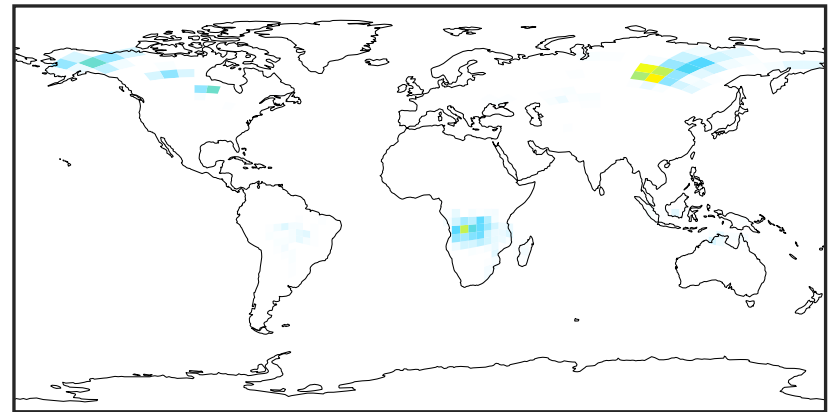
EmisBENZ_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



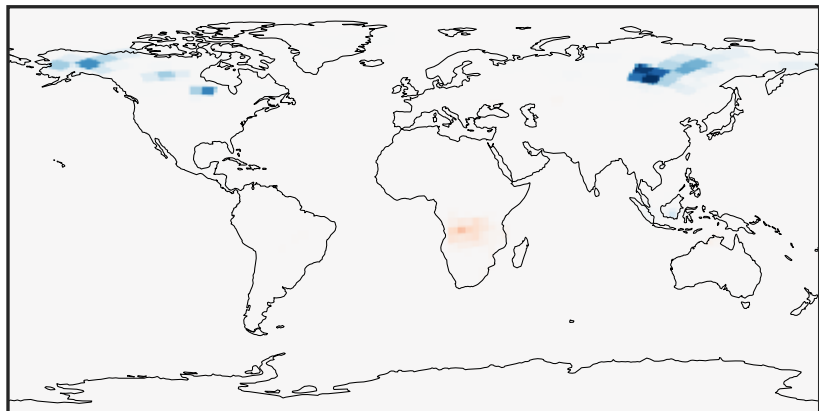
0.0 2.5 5.0 7.5
kg/m²/s 1e-11

GCHP_14.2.0 (Dev)
c24



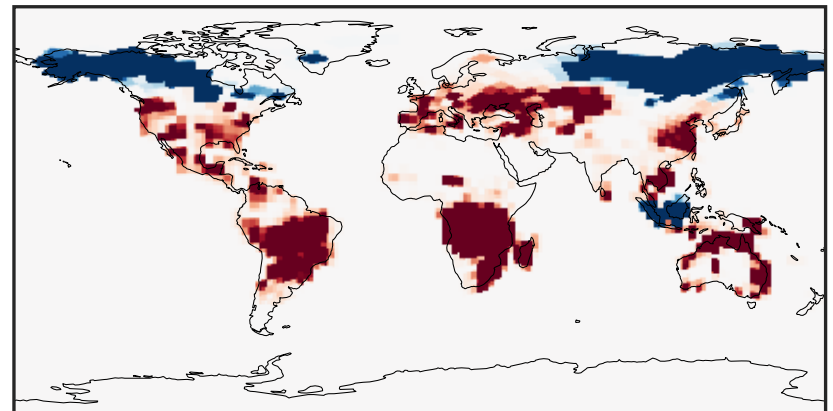
0.0 2.5 5.0 7.5
kg/m²/s 1e-11

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



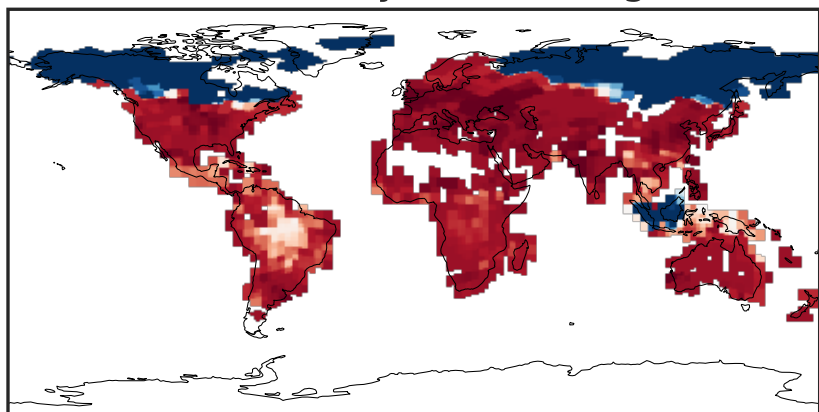
-2.5 0.0 2.5
kg/m²/s 1e-11

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



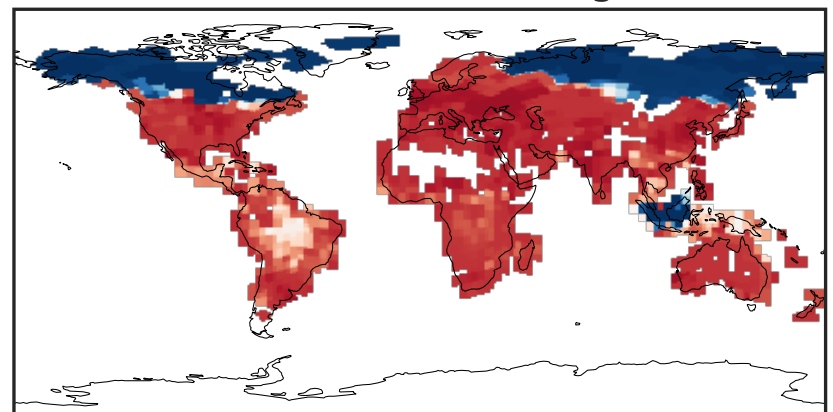
-8 0 8
kg/m²/s 1e-15

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



0.556 0.778 1.000 1.400 1.800
unitless

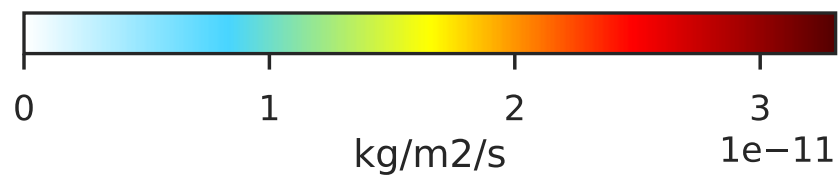
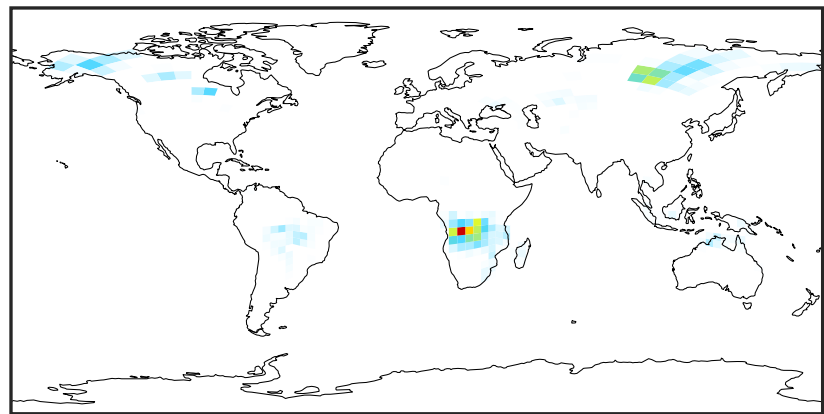
Ratio (1x1.25)
Dev/Ref, Fixed Range



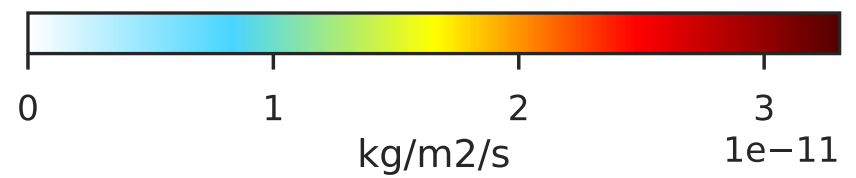
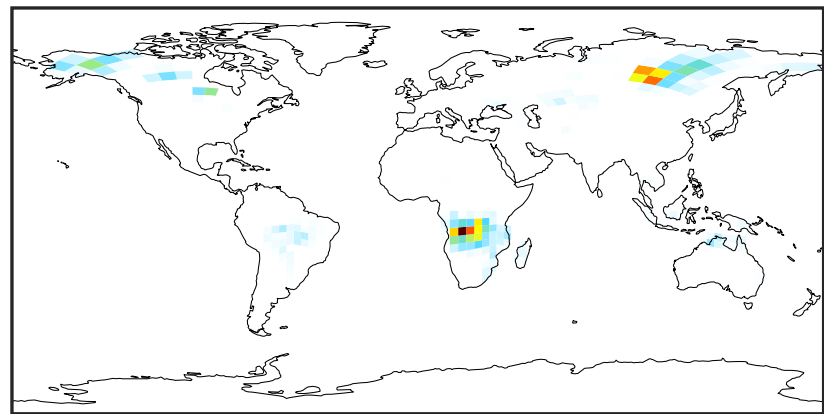
0.50 0.75 1.00 1.50 2.00
unitless

EmisC2H2_BioBurn (Jul2019)

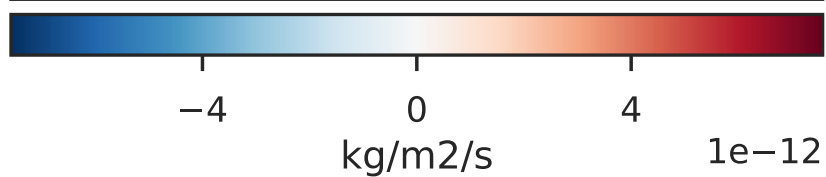
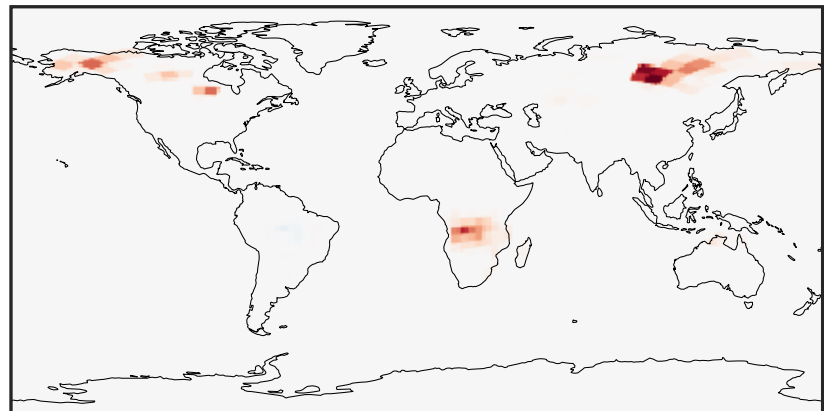
GCHP_14.0.0 (Ref)
c24



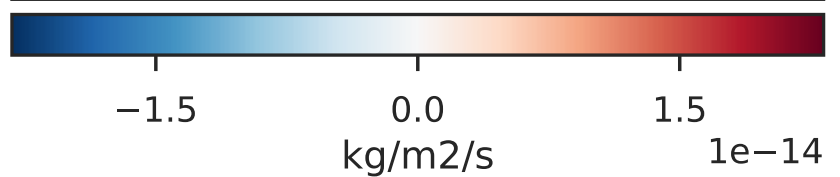
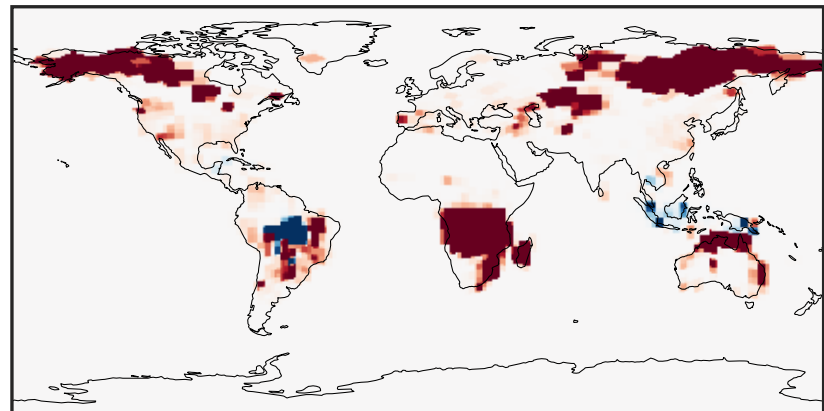
GCHP_14.2.0 (Dev)
c24



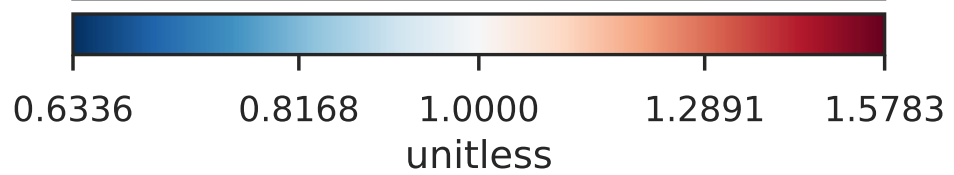
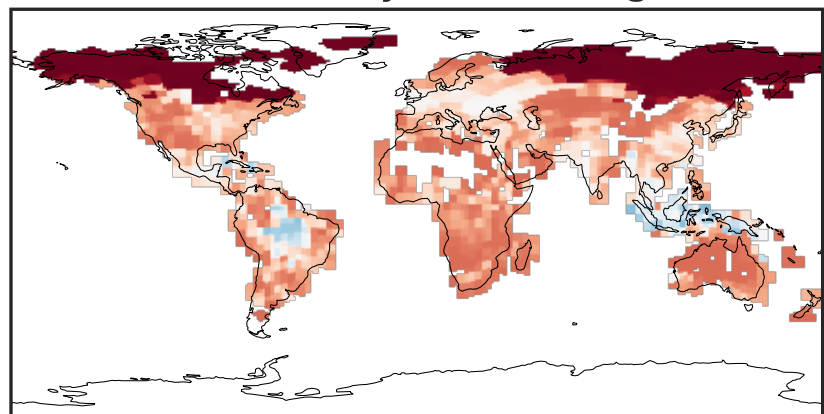
Difference (1x1.25)
Dev - Ref, Dynamic Range



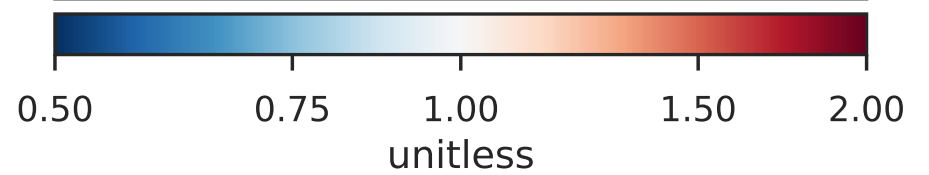
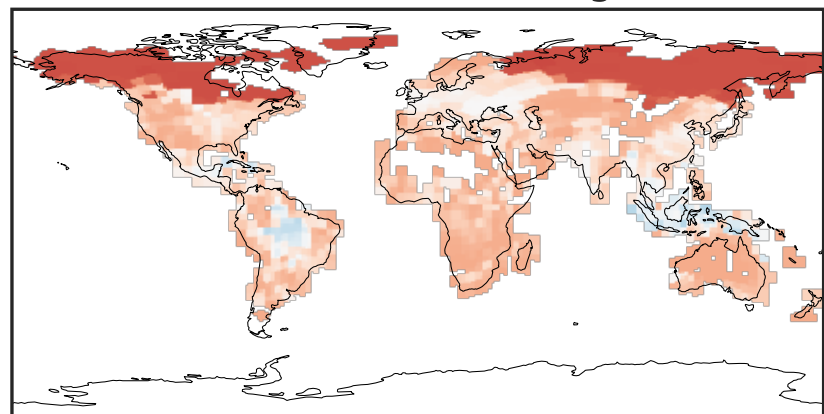
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

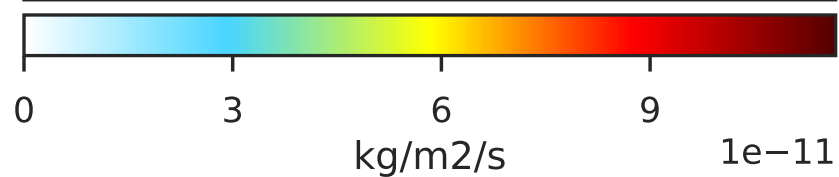
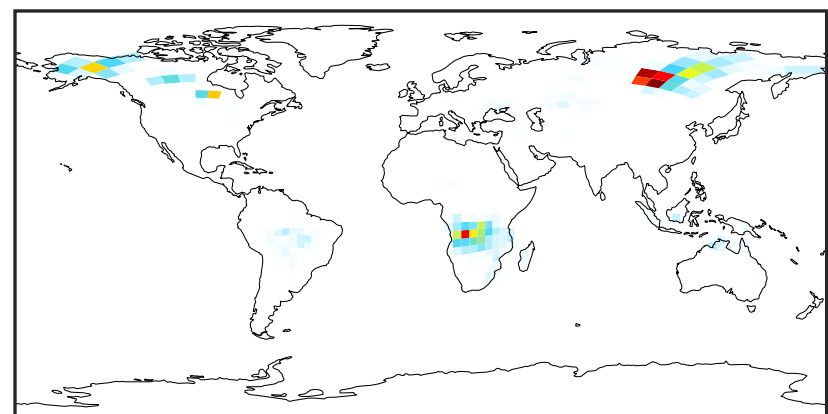


Ratio (1x1.25)
Dev/Ref, Fixed Range

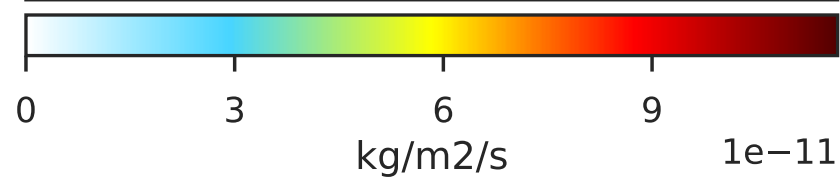
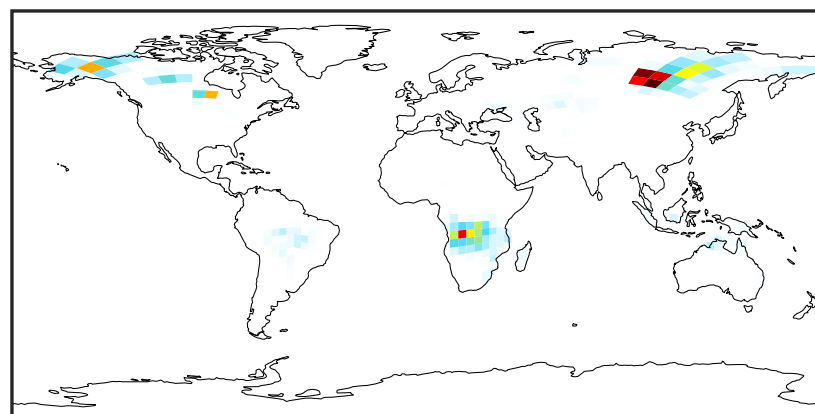


EmisC2H4_BioBurn (Jul2019)

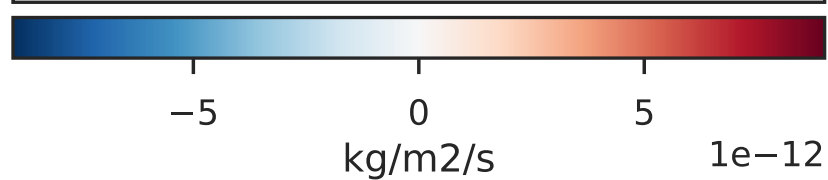
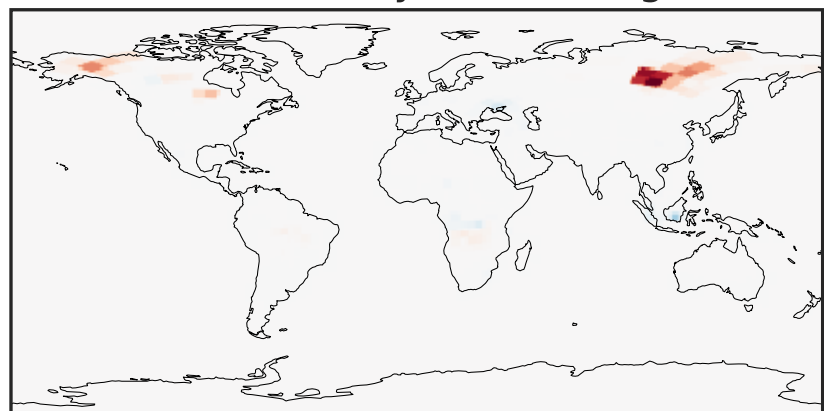
GCHP_14.0.0 (Ref)
c24



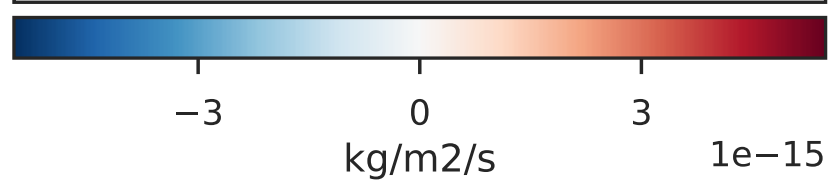
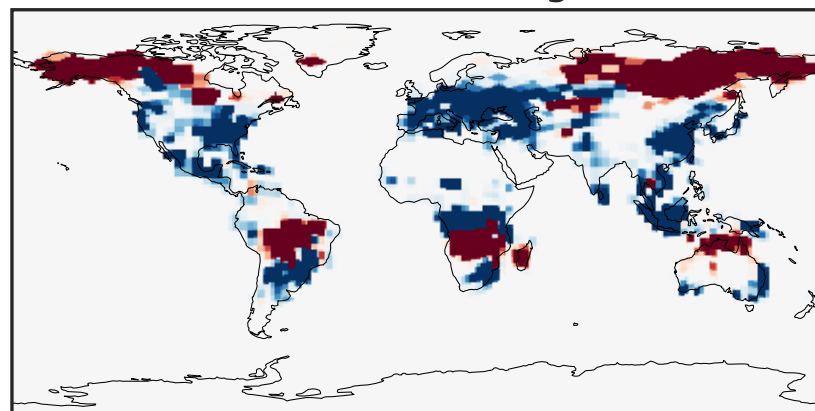
GCHP_14.2.0 (Dev)
c24



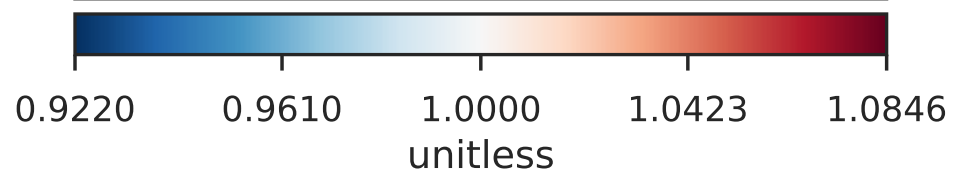
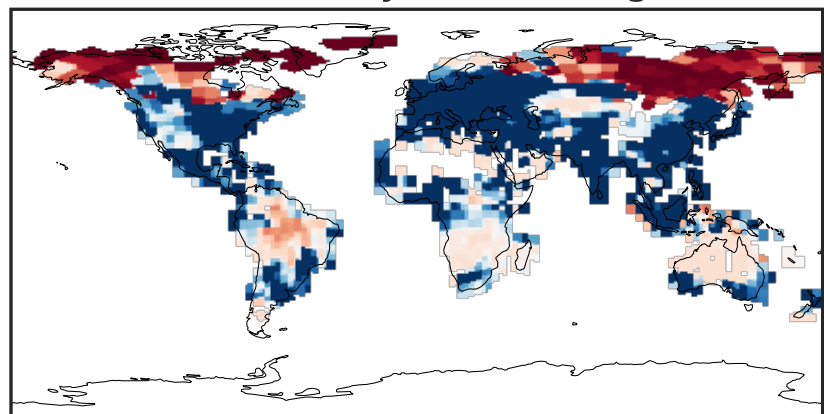
Difference (1x1.25)
Dev - Ref, Dynamic Range



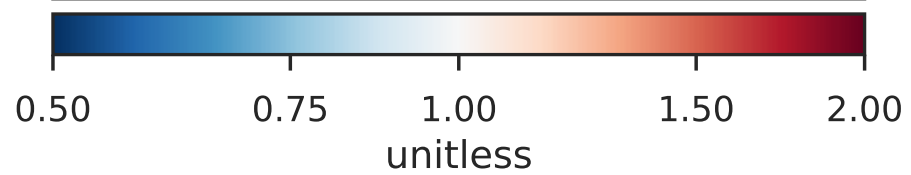
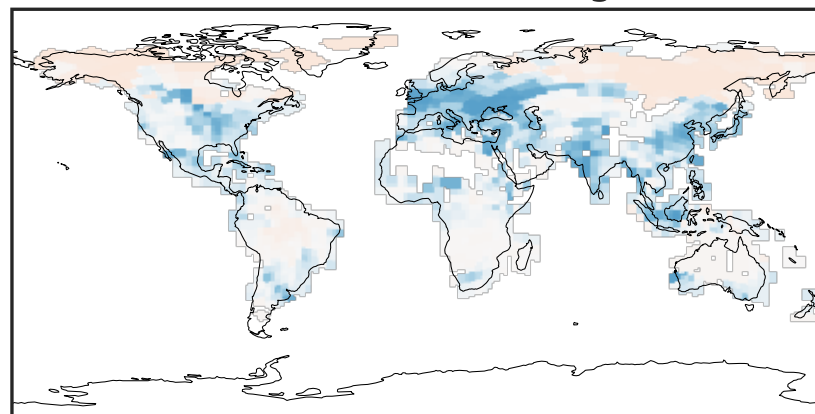
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

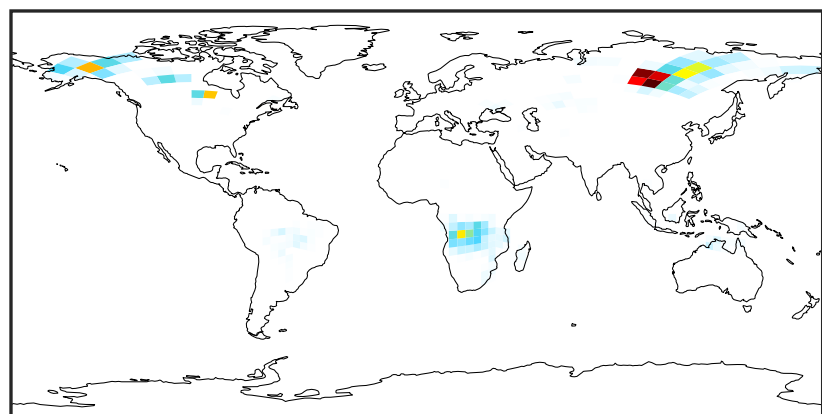


Ratio (1x1.25)
Dev/Ref, Fixed Range



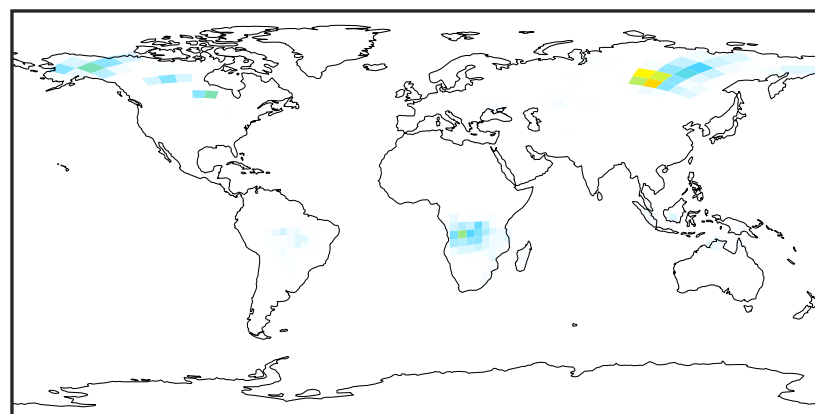
EmisC2H6_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



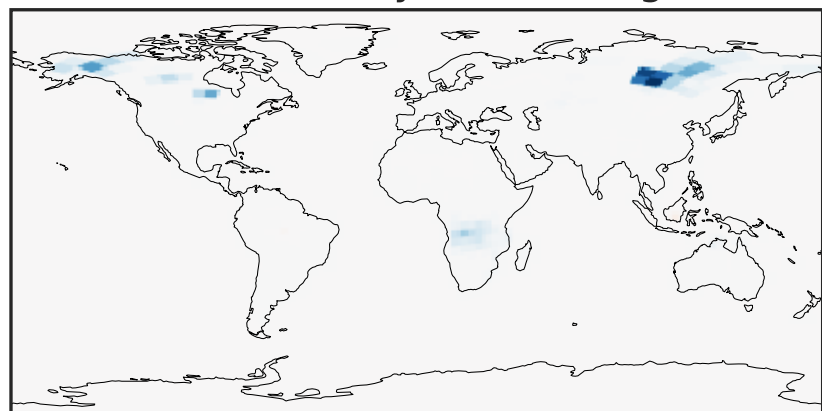
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

GCHP_14.2.0 (Dev)
c24



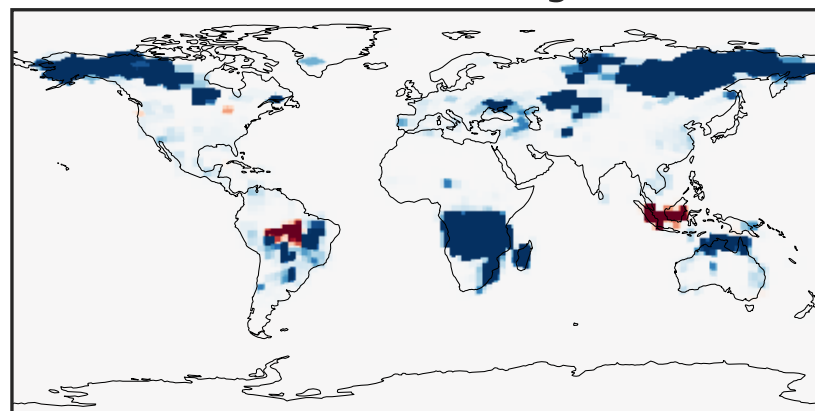
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

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



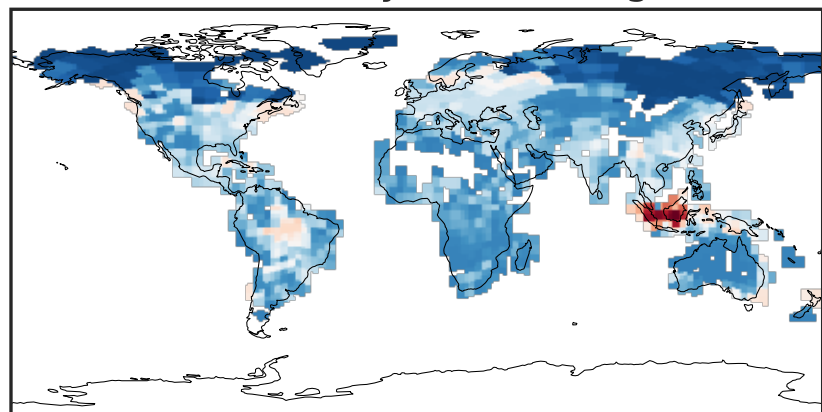
-4 0 4
kg/m²/s 1e-11

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



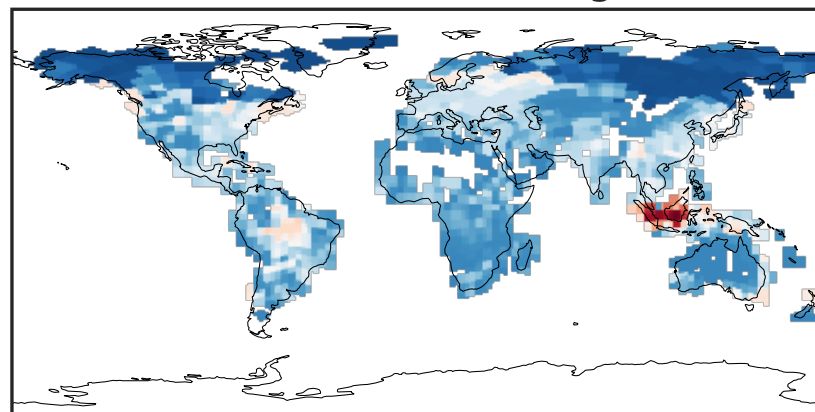
-8 0 8
kg/m²/s 1e-14

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



0.510 0.755 1.000 1.480 1.959
unitless

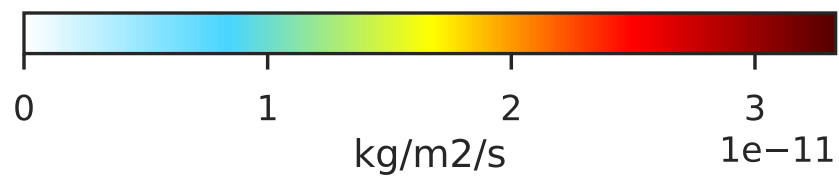
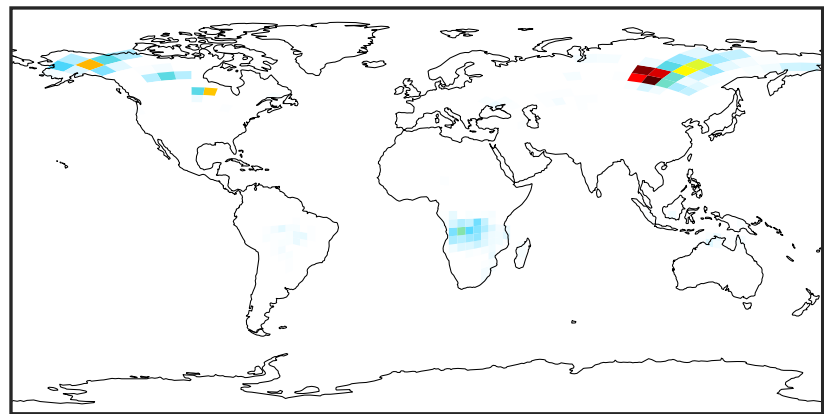
Ratio (1x1.25)
Dev/Ref, Fixed Range



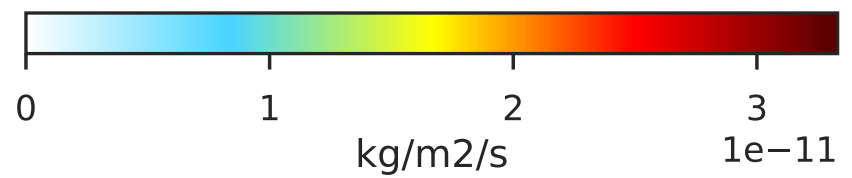
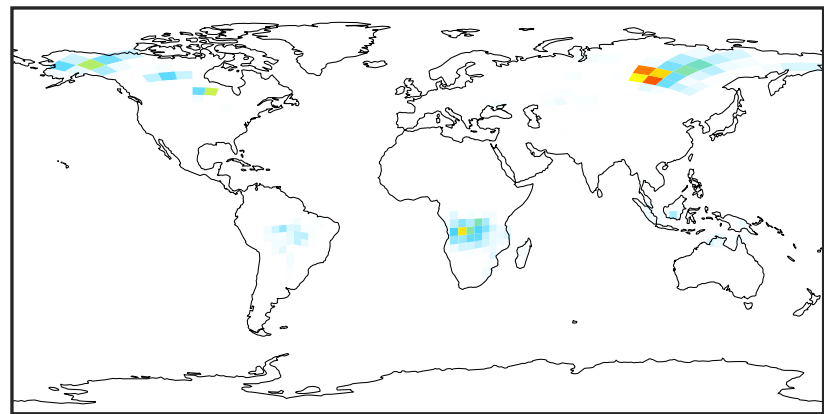
0.50 0.75 1.00 1.50 2.00
unitless

EmisC3H8_BioBurn (Jul2019)

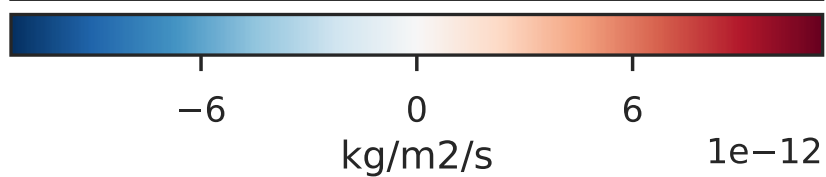
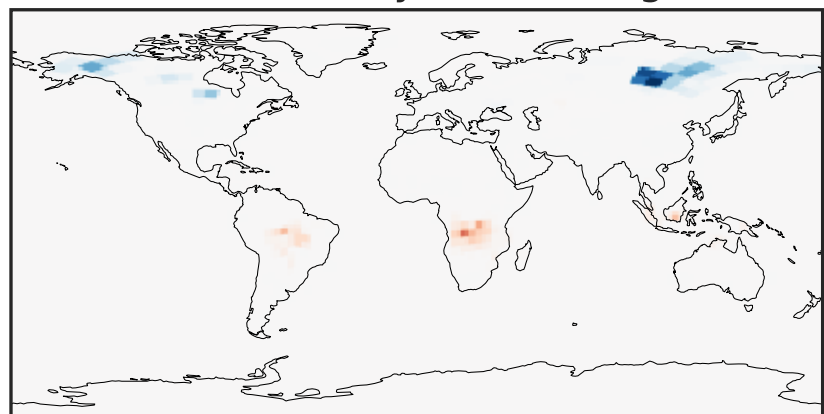
GCHP_14.0.0 (Ref)
c24



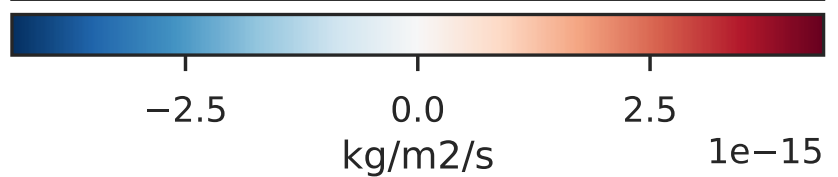
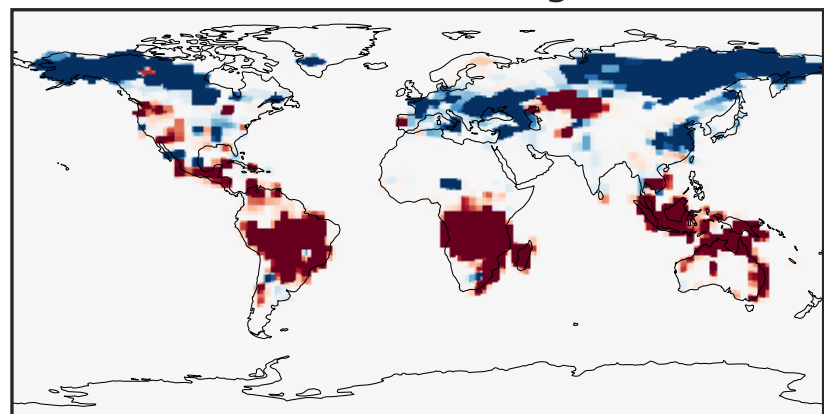
GCHP_14.2.0 (Dev)
c24



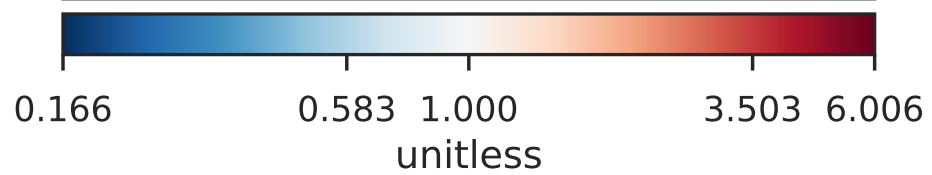
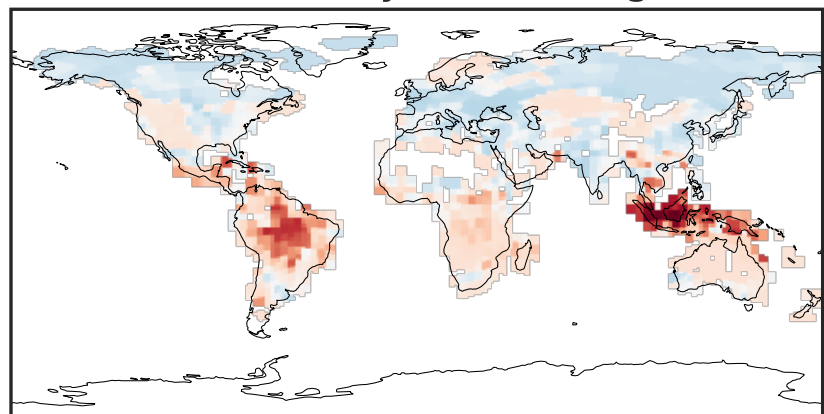
Difference (1x1.25)
Dev - Ref, Dynamic Range



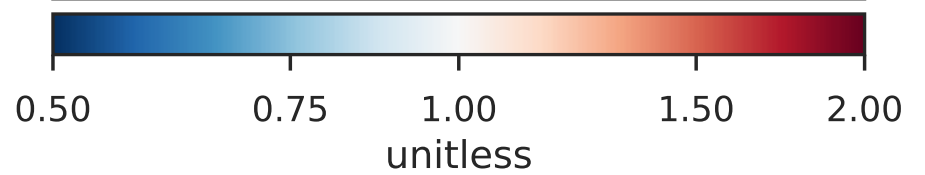
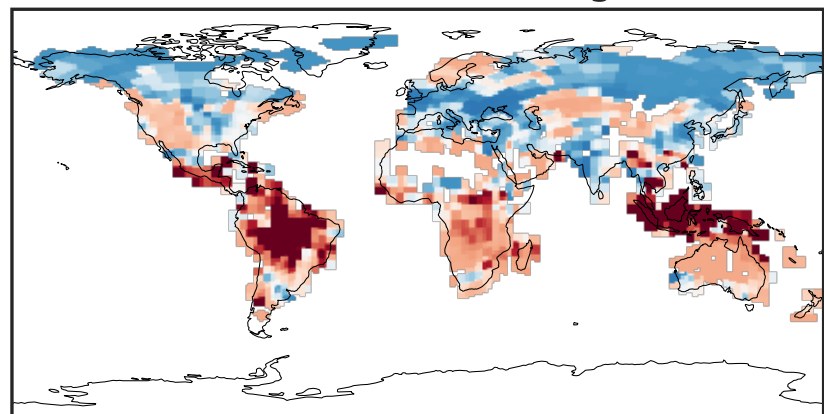
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

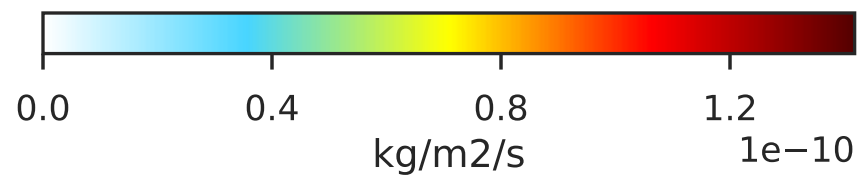
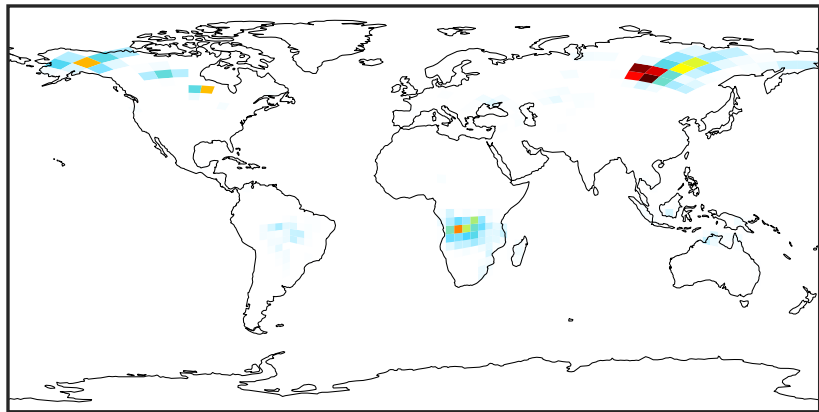


Ratio (1x1.25)
Dev/Ref, Fixed Range

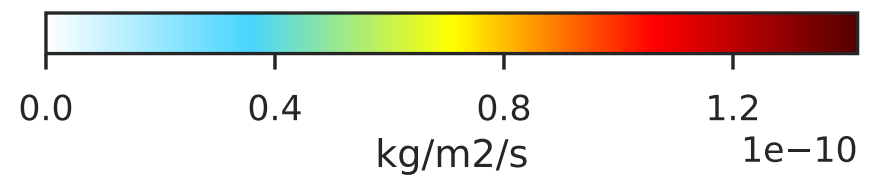
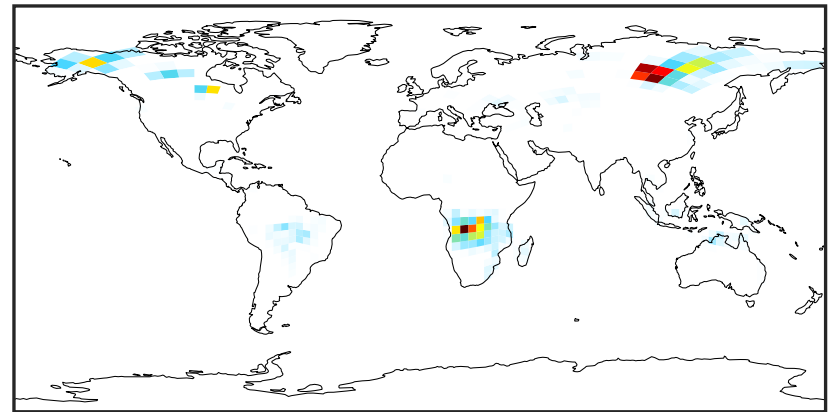


EmisCH2O_BioBurn (Jul2019)

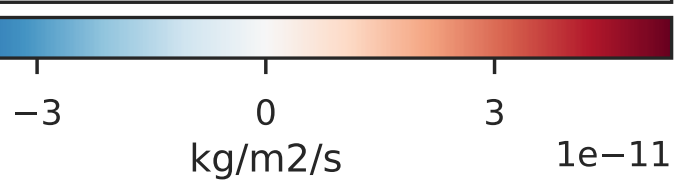
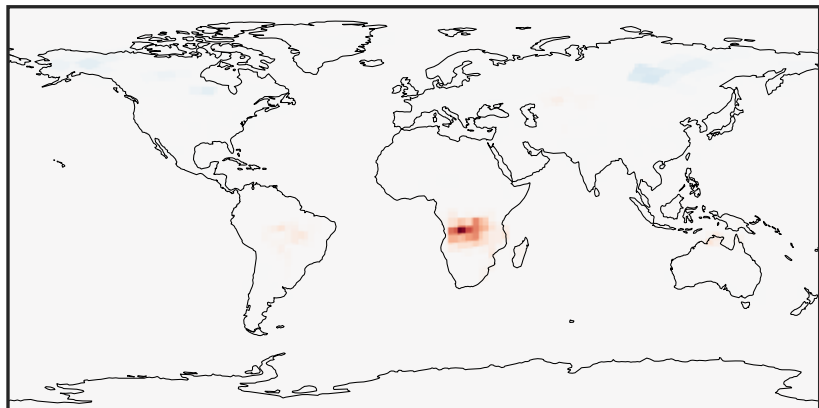
GCHP_14.0.0 (Ref)
c24



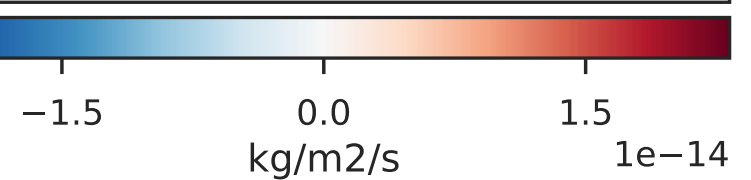
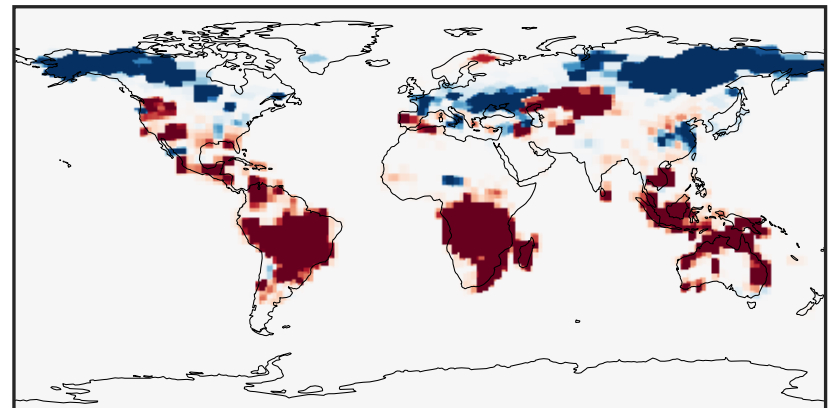
GCHP_14.2.0 (Dev)
c24



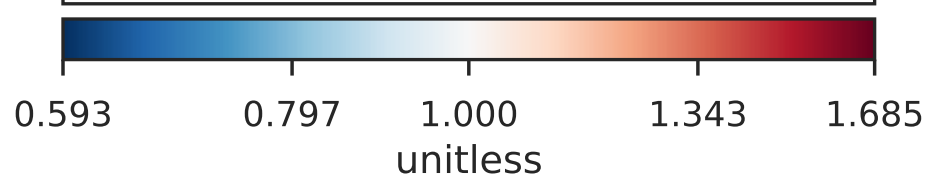
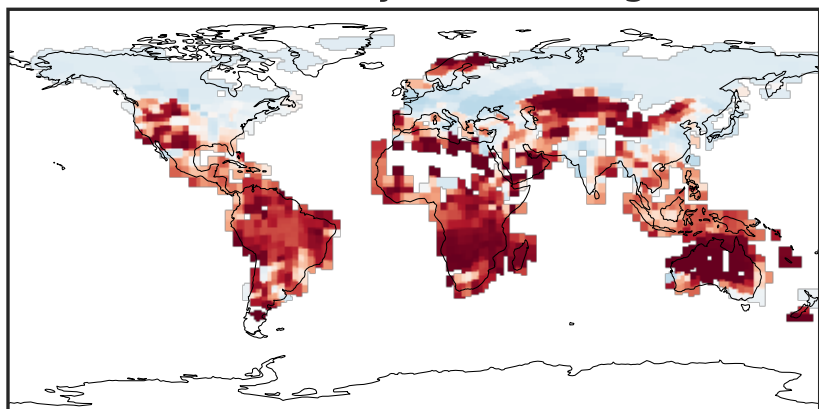
Difference (1x1.25)
Dev - Ref, Dynamic Range



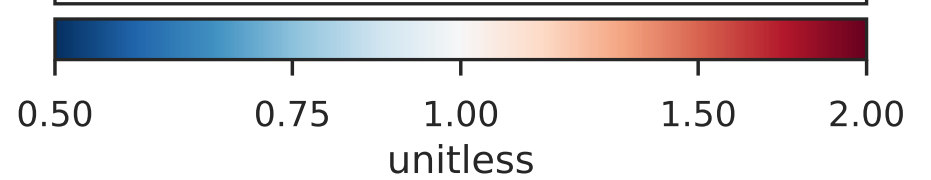
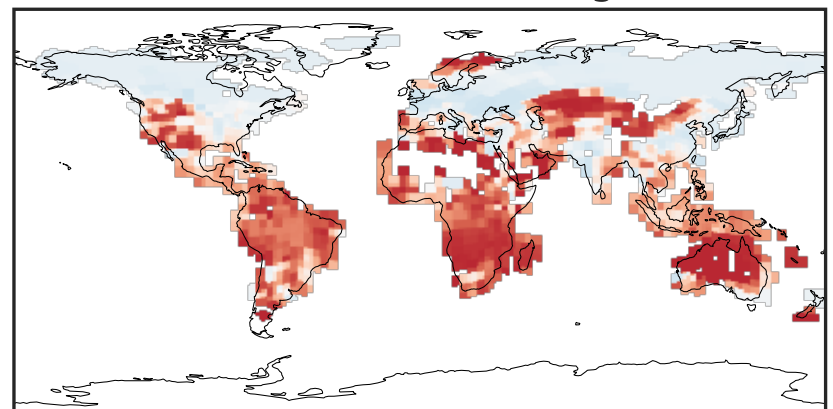
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

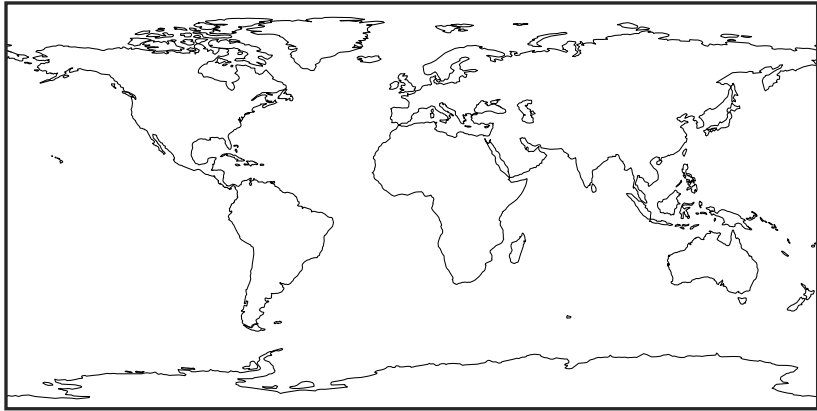


Ratio (1x1.25)
Dev/Ref, Fixed Range



EmisCO2_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



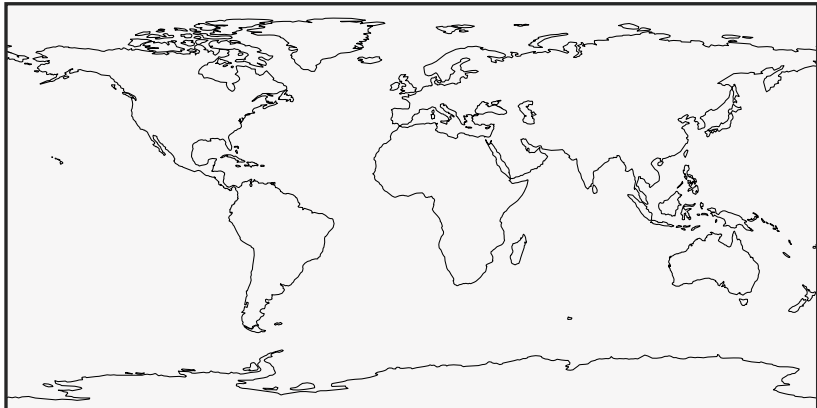
Zero throughout domain
kg/m2/s

GCHP_14.2.0 (Dev)
c24



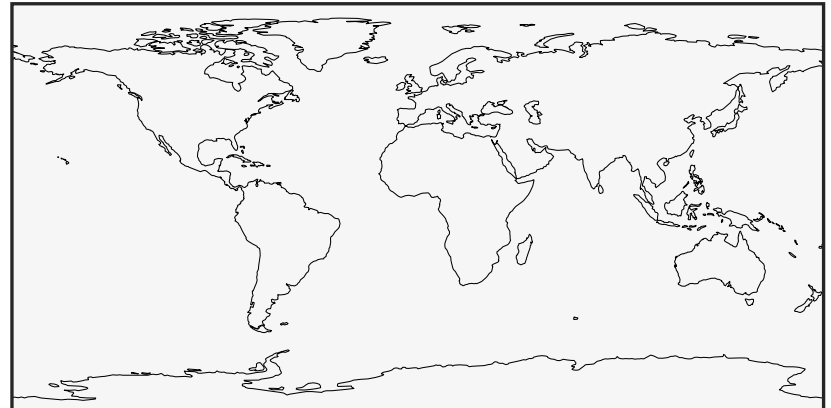
Zero throughout domain
kg/m2/s

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



Zero throughout domain
kg/m2/s

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



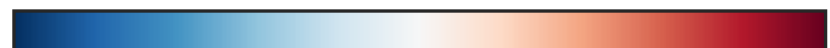
Zero throughout domain
kg/m2/s

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



Undefined throughout domain
unitless

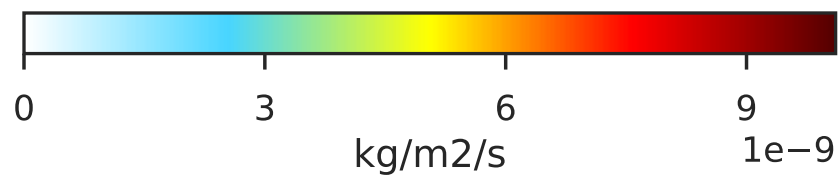
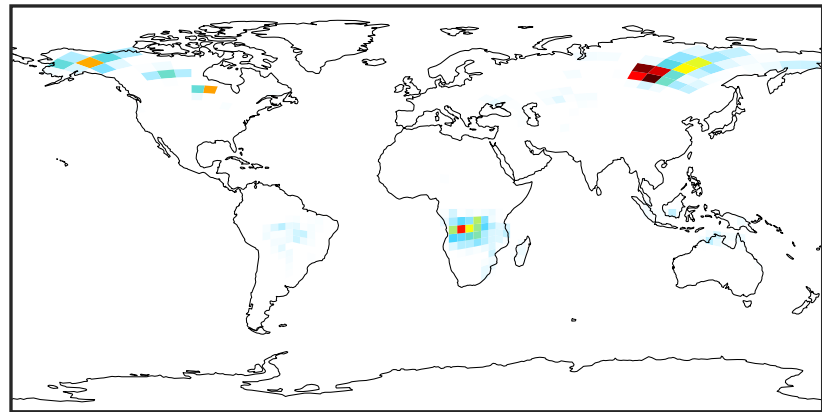
Ratio (1x1.25)
Dev/Ref, Fixed Range



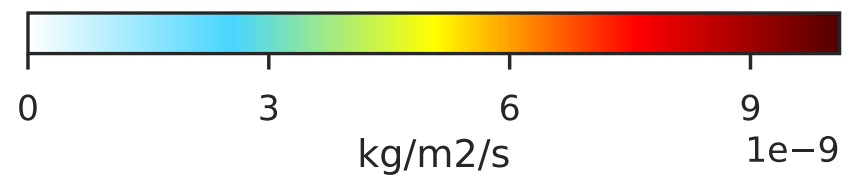
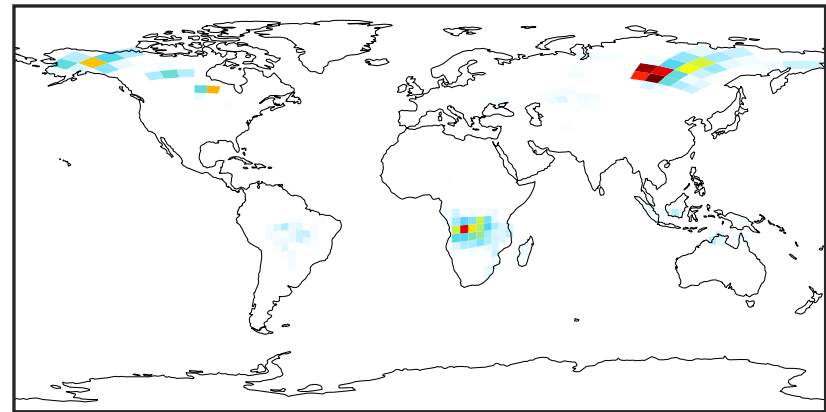
Undefined throughout domain
unitless

EmisCO_BioBurn (Jul2019)

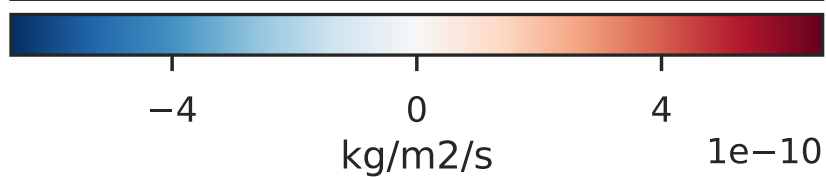
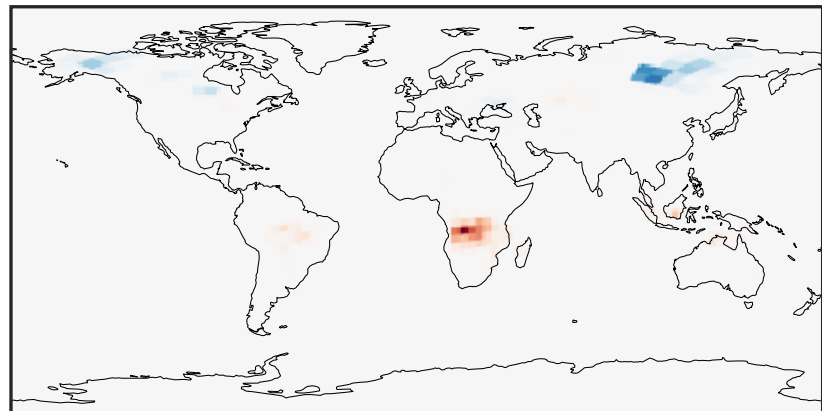
GCHP_14.0.0 (Ref)
c24



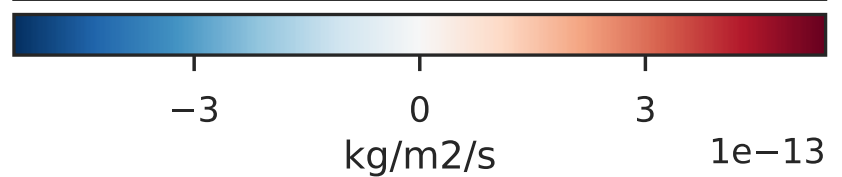
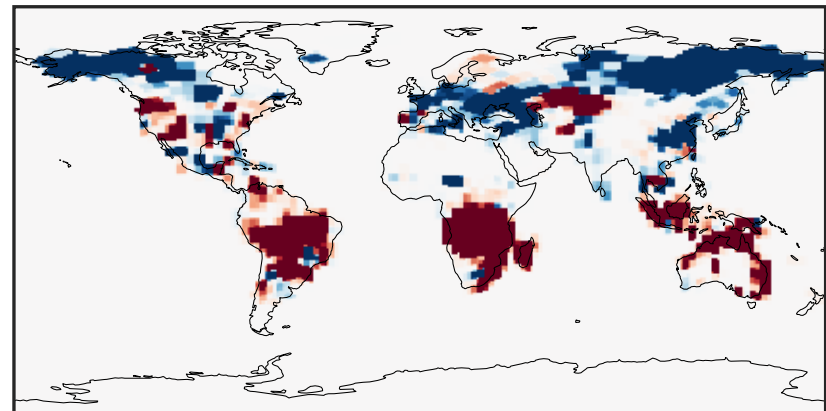
GCHP_14.2.0 (Dev)
c24



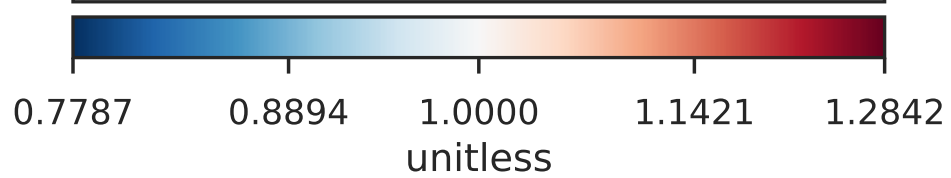
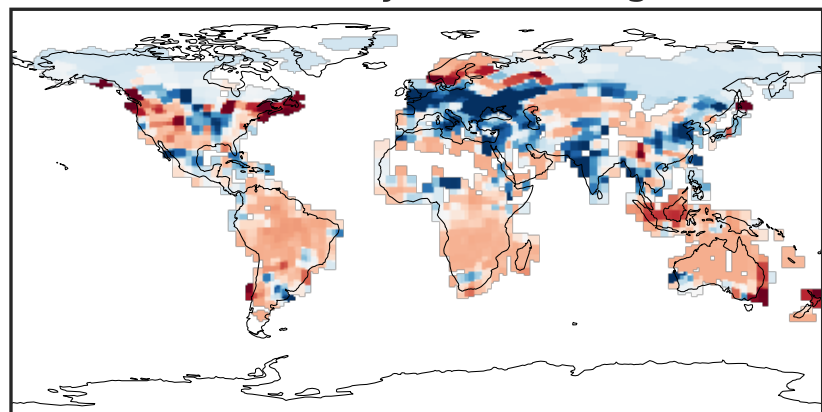
Difference (1x1.25)
Dev - Ref, Dynamic Range



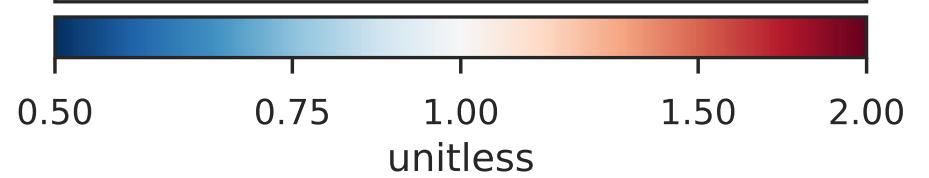
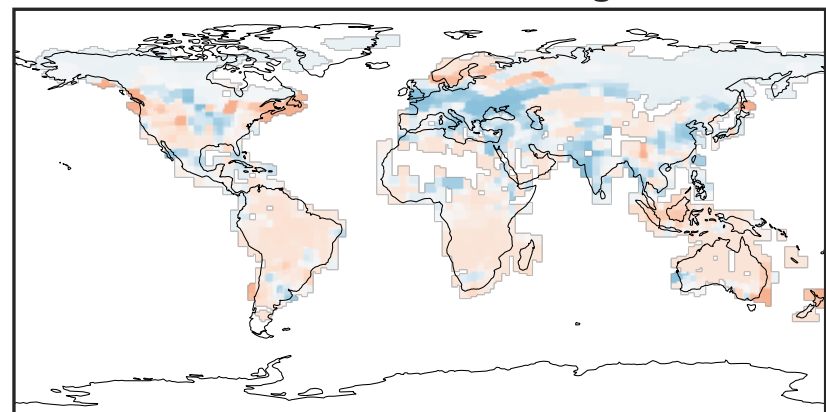
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

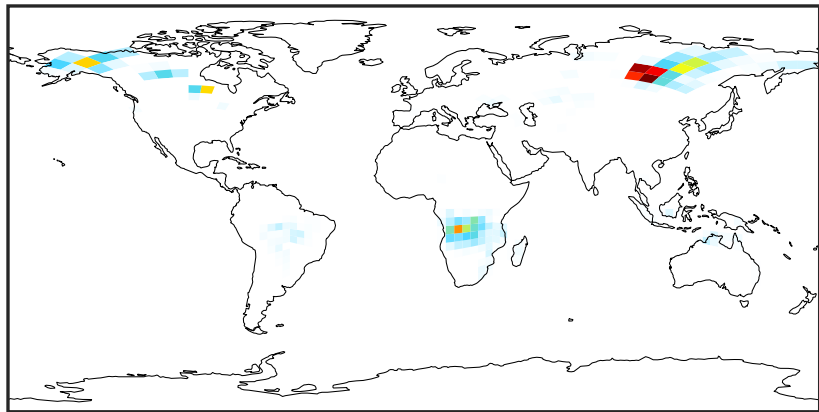


Ratio (1x1.25)
Dev/Ref, Fixed Range



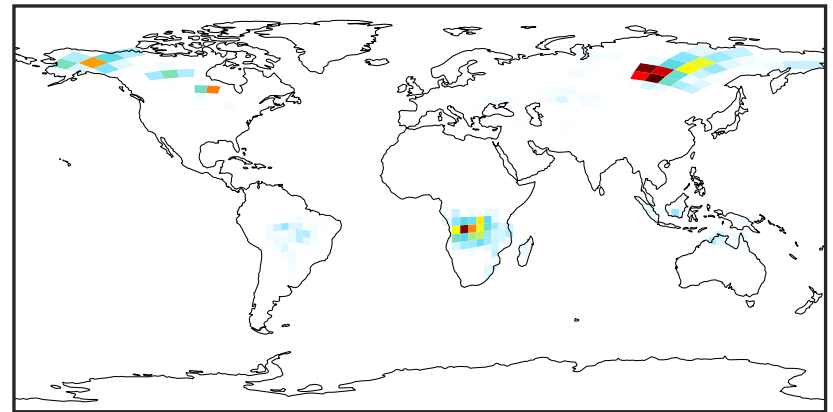
EmisEOH_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



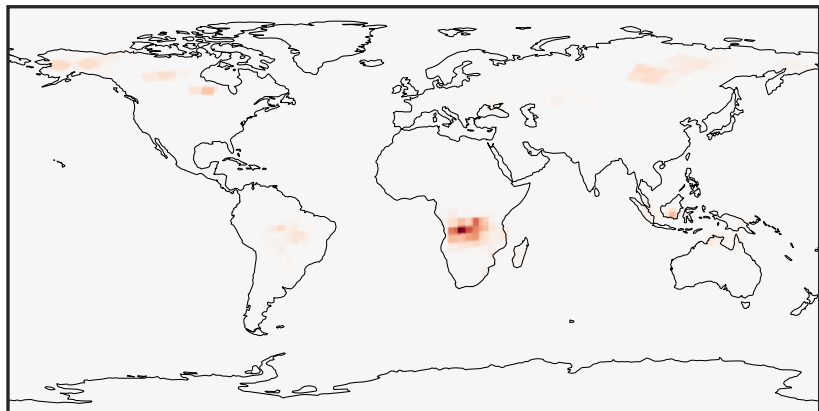
0.0 1.5 3.0 $1e-12$
kg/m²/s

GCHP_14.2.0 (Dev)
c24



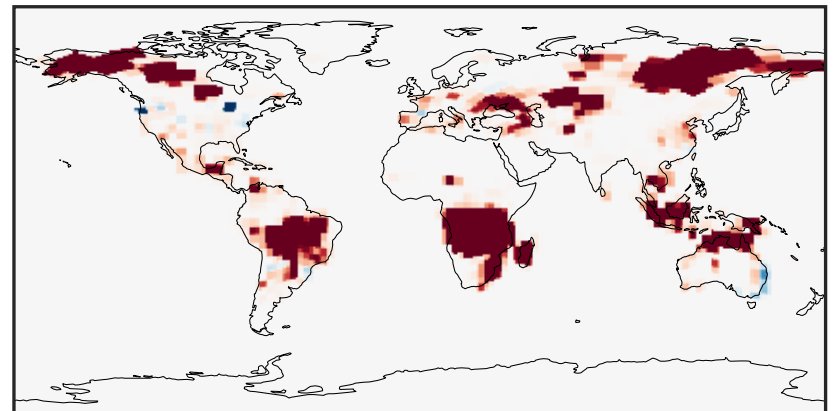
0.0 1.5 3.0 $1e-12$
kg/m²/s

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



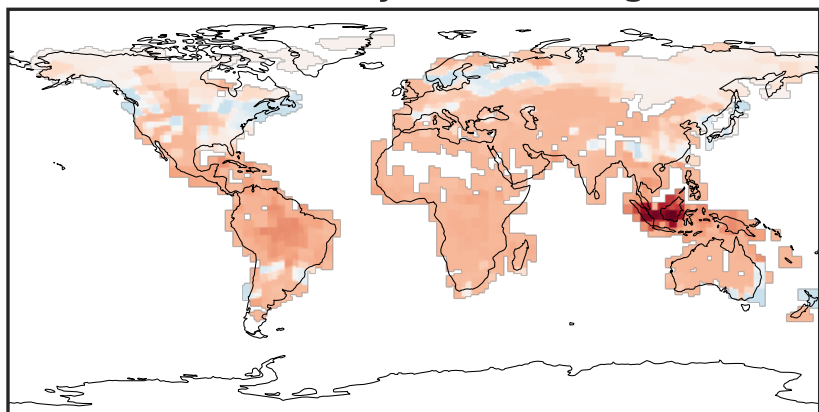
-8 0 8 $1e-13$
kg/m²/s

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



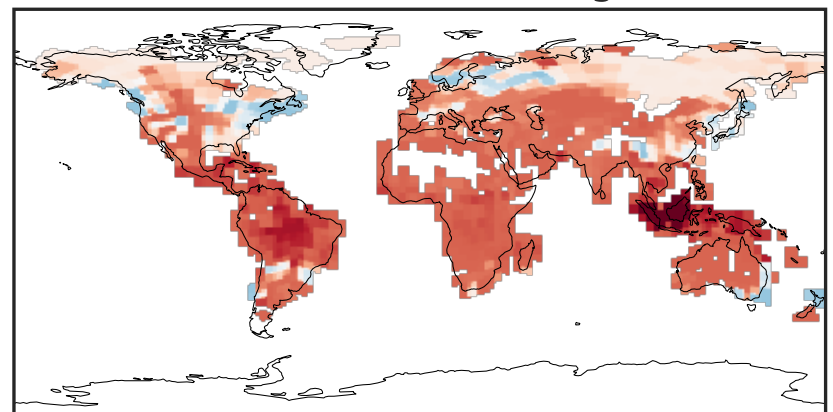
-4 0 4 $1e-15$
kg/m²/s

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



0.296 0.648 1.000 2.191 3.381
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless

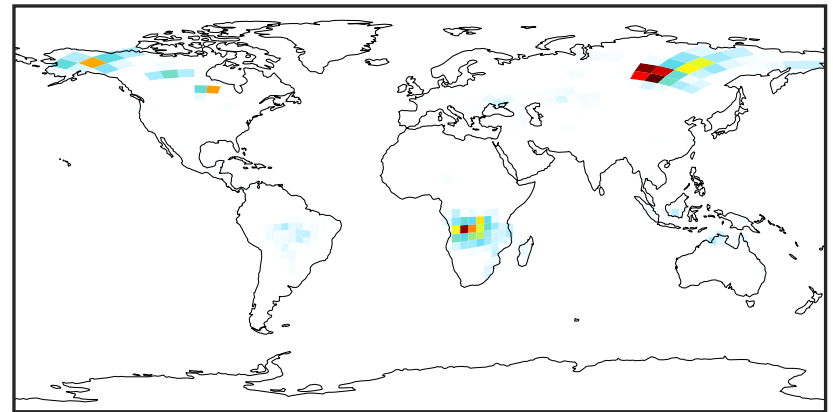
EmisFURA_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



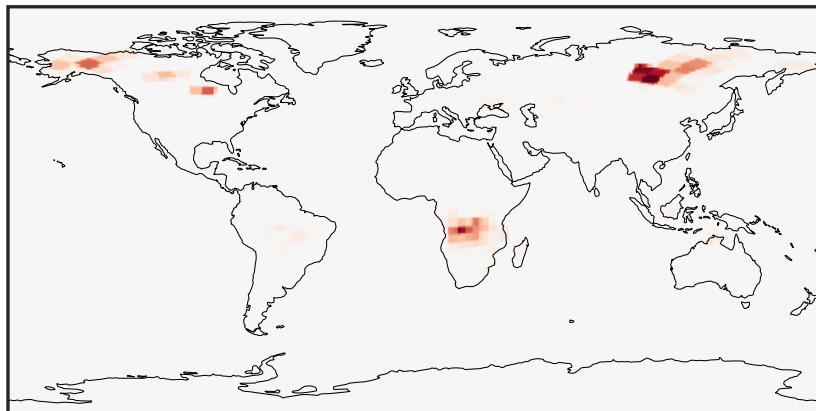
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



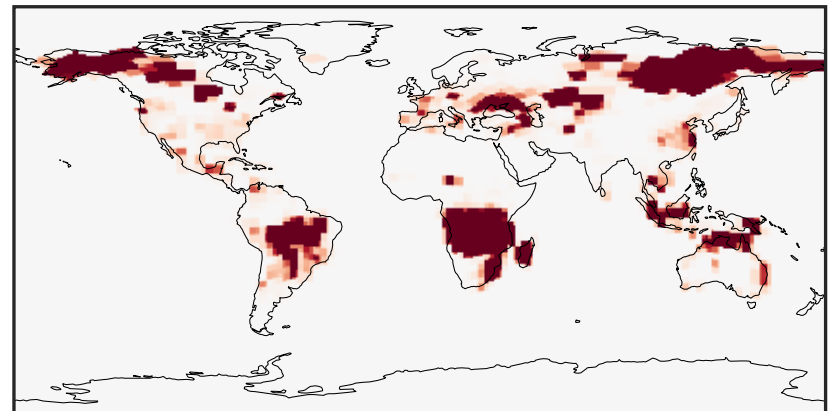
0 2 4 6
kg/m²/s 1e-11

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



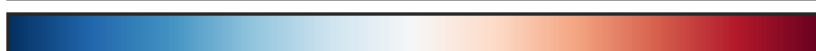
-4 0 4
kg/m²/s 1e-11

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



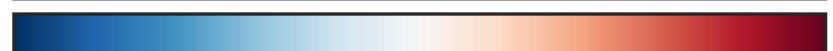
-2.5 0.0 2.5
kg/m²/s 1e-13

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



Undefined throughout domain
unitless

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



Undefined throughout domain
unitless

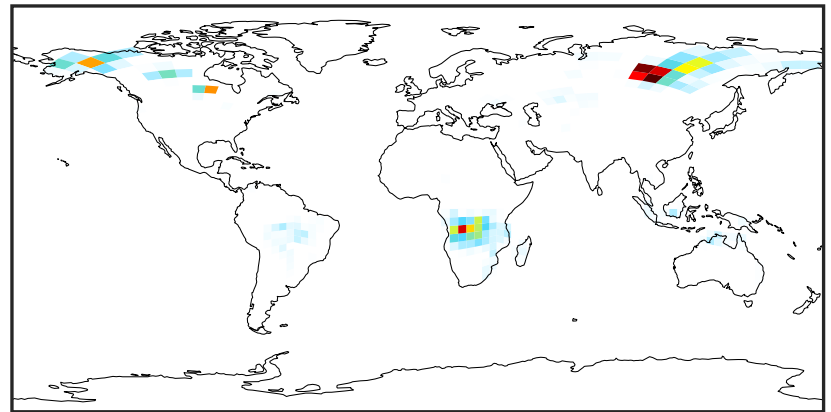
EmisGLYX_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



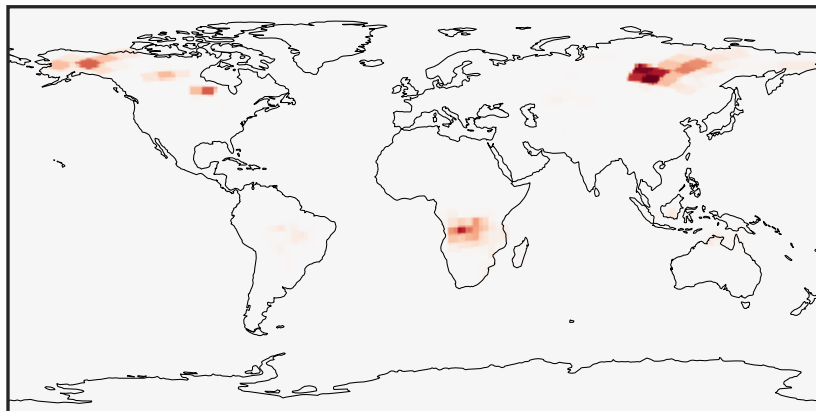
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



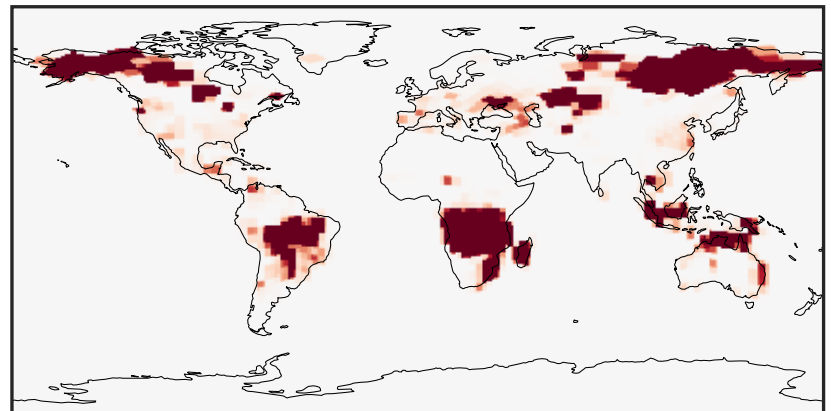
0.0 1.5 3.0
kg/m²/s 1e-11

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



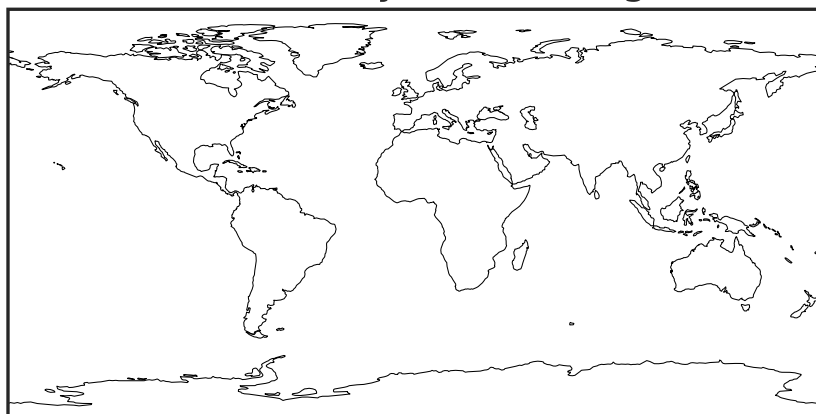
-2.5 0.0 2.5
kg/m²/s 1e-11

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

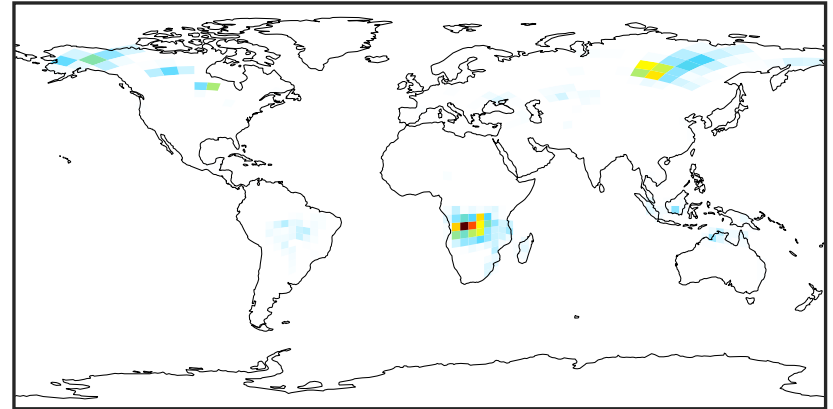
EmisSOP_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



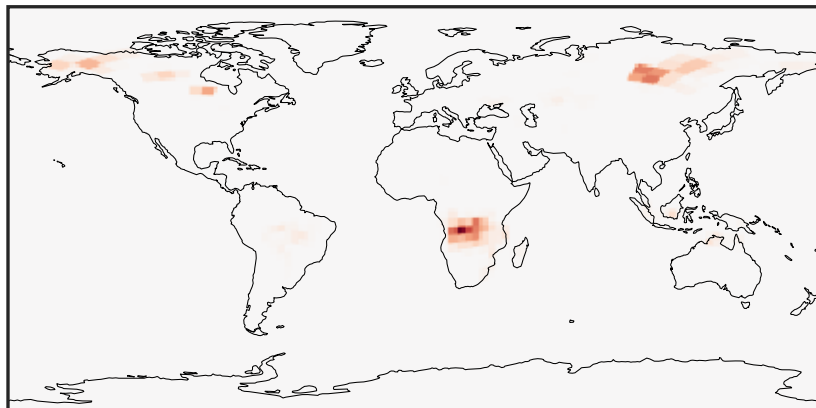
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



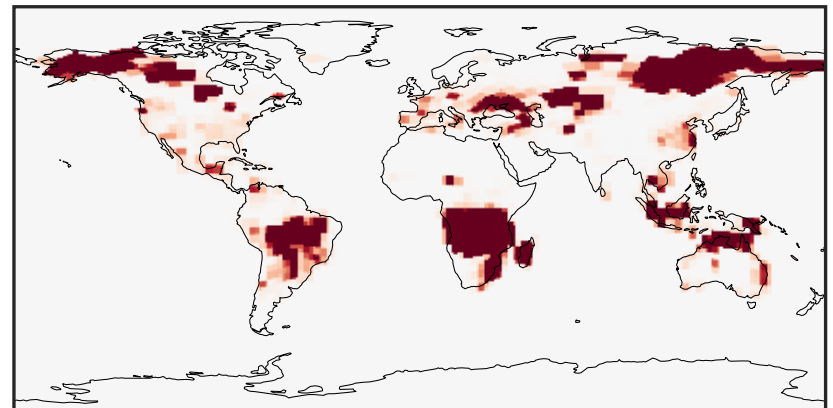
0 3 6 9
kg/m²/s 1e-12

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



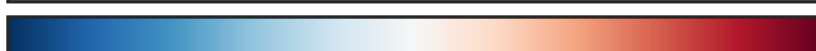
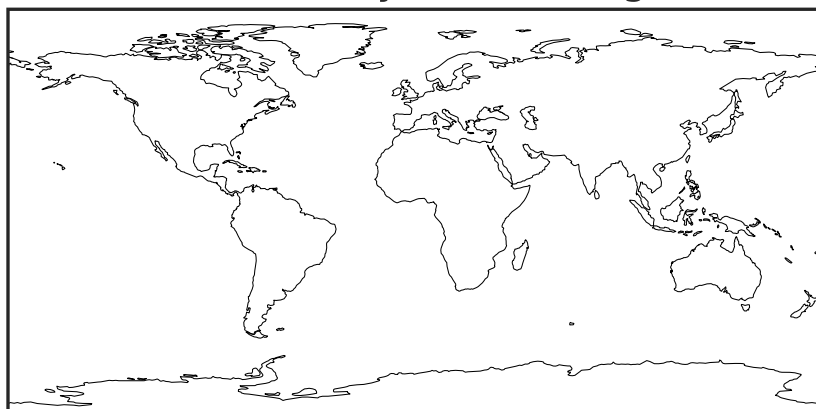
-6 0 6
kg/m²/s 1e-12

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



-4 0 4
kg/m²/s 1e-14

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



Undefined throughout domain
unitless

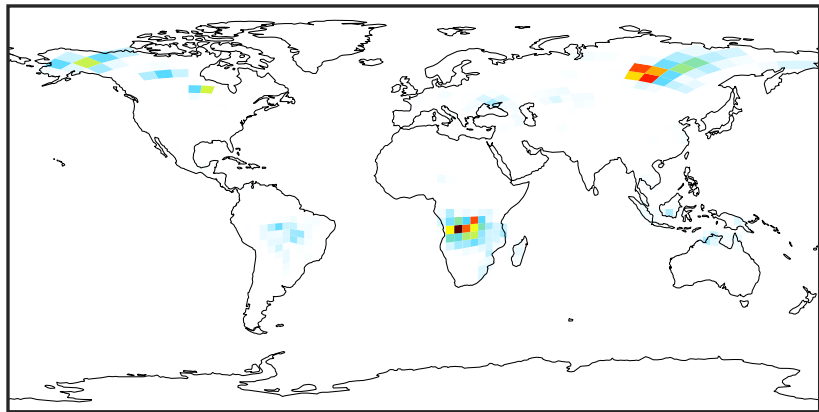
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

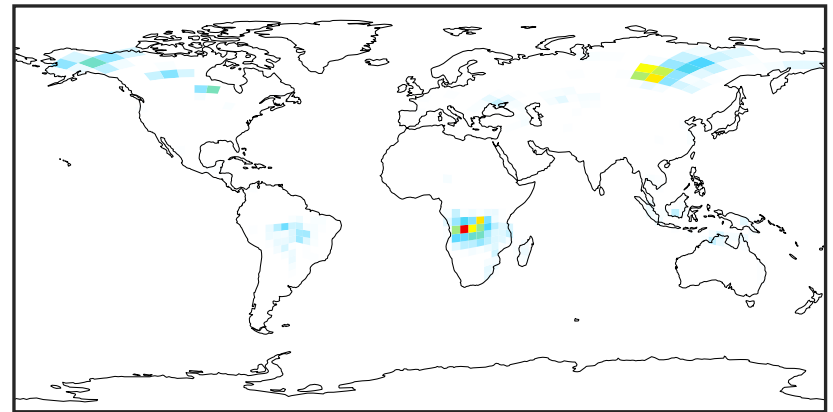
EmisMEK_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



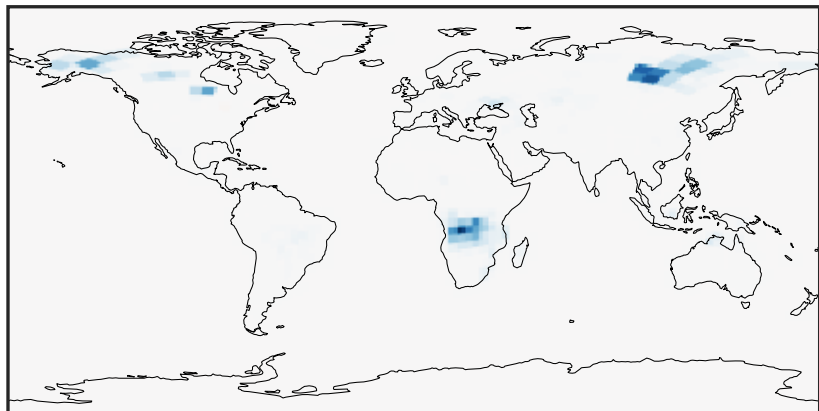
0.0 0.6 1.2 1.8 $\text{kg/m}^2/\text{s}$ 10^{-11}

GCHP_14.2.0 (Dev)
c24



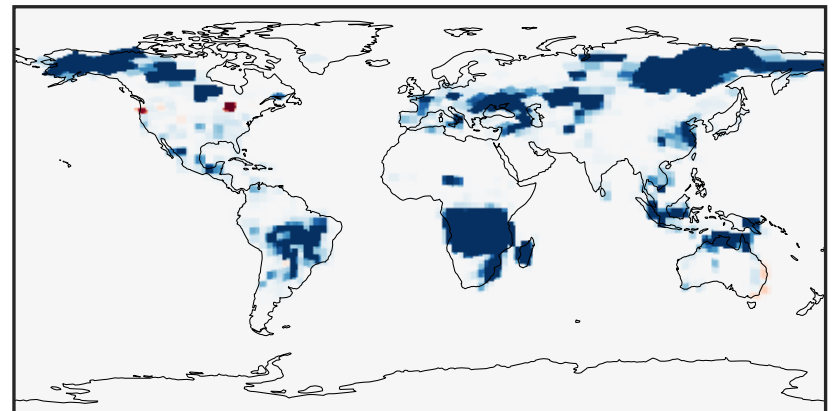
0.0 0.6 1.2 1.8 $\text{kg/m}^2/\text{s}$ 10^{-11}

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



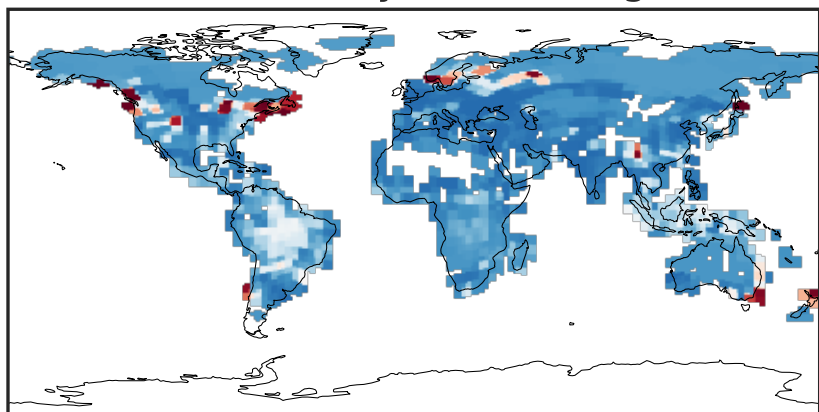
-3 0 3 $\text{kg/m}^2/\text{s}$ 10^{-12}

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



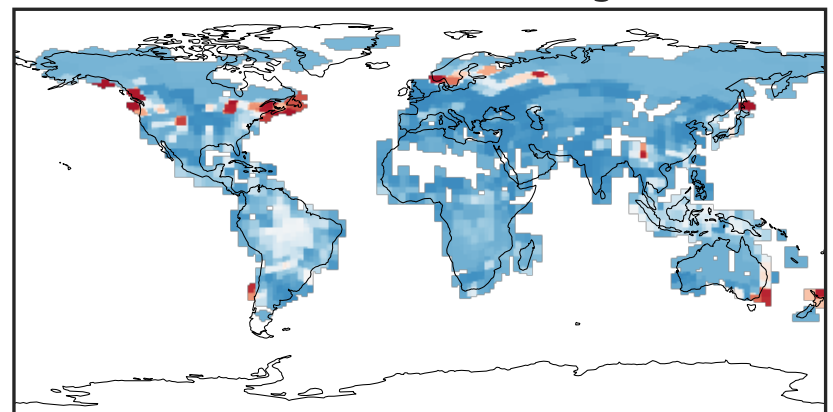
-2.5 0.0 2.5 $\text{kg/m}^2/\text{s}$ 10^{-14}

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

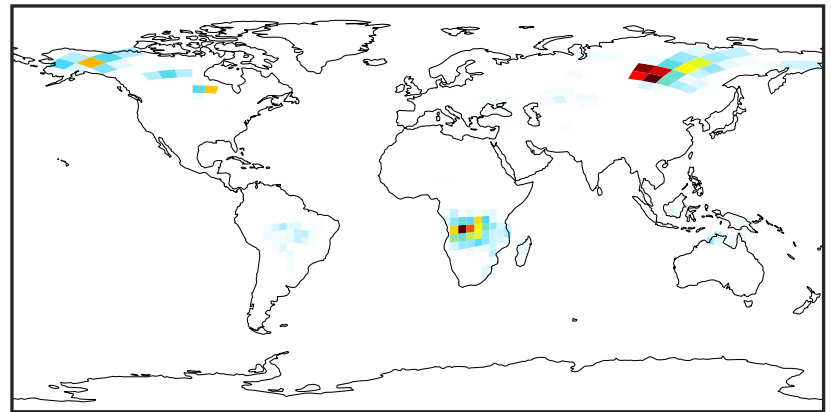
EmisMGLY_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



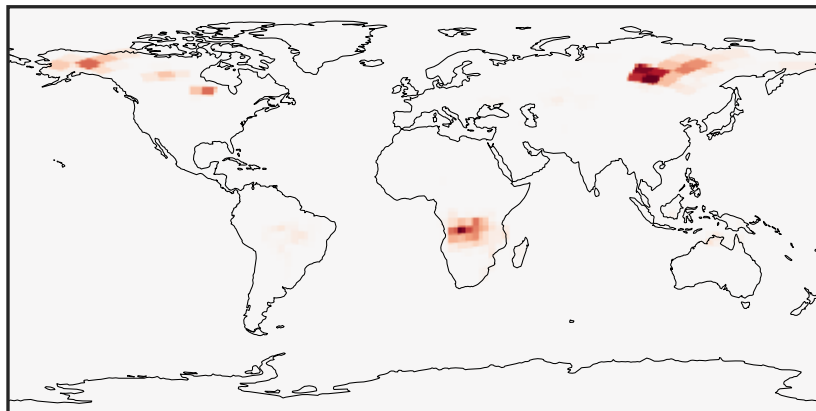
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



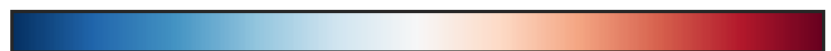
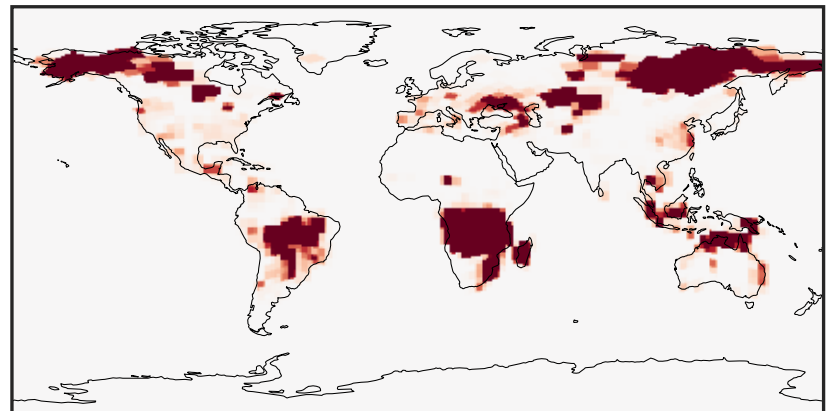
0.0 1.5 3.0
kg/m²/s 1e-11

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



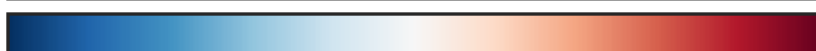
-2.5 0.0 2.5
kg/m²/s 1e-11

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



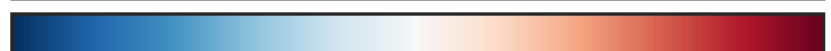
-1.5 0.0 1.5
kg/m²/s 1e-13

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



Undefined throughout domain
unitless

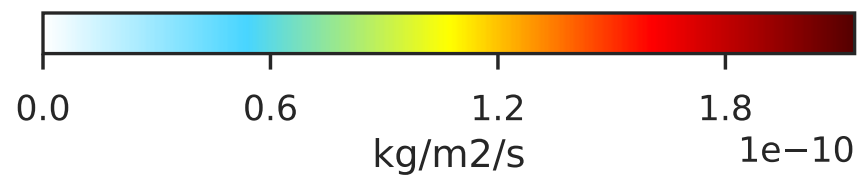
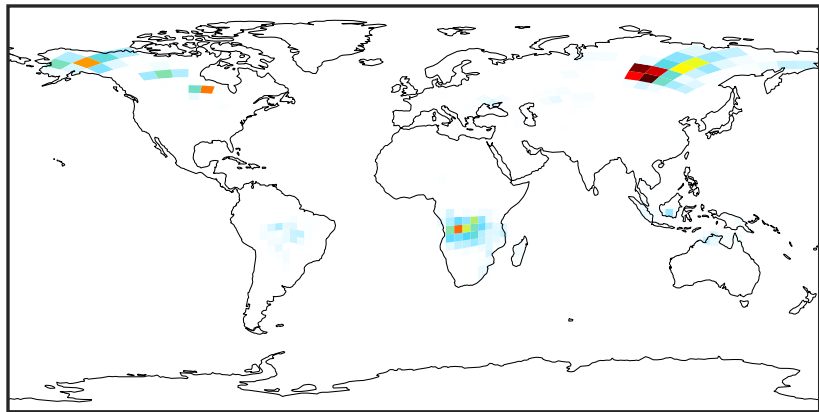
Ratio (1x1.25)
Dev/Ref, Fixed Range



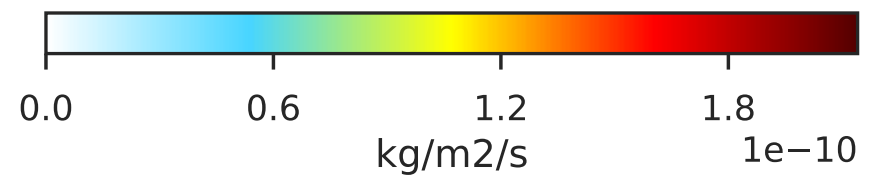
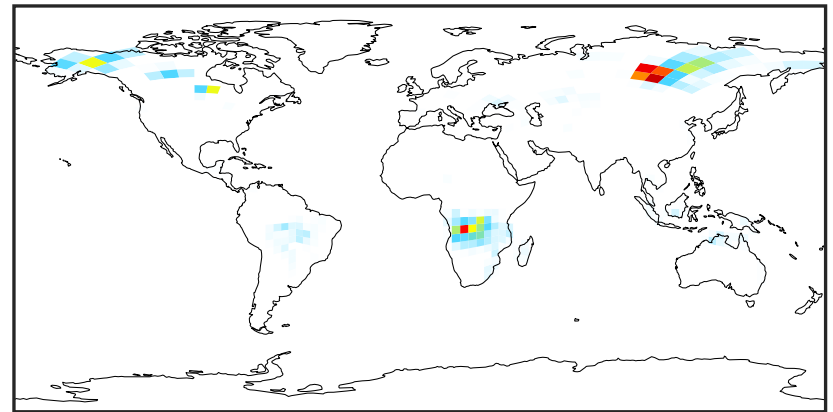
Undefined throughout domain
unitless

EmisMOH_BioBurn (Jul2019)

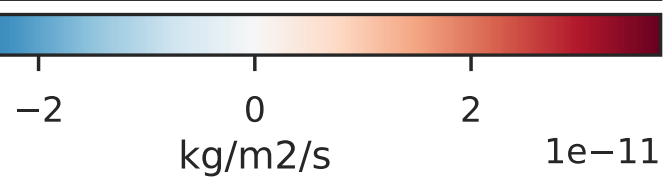
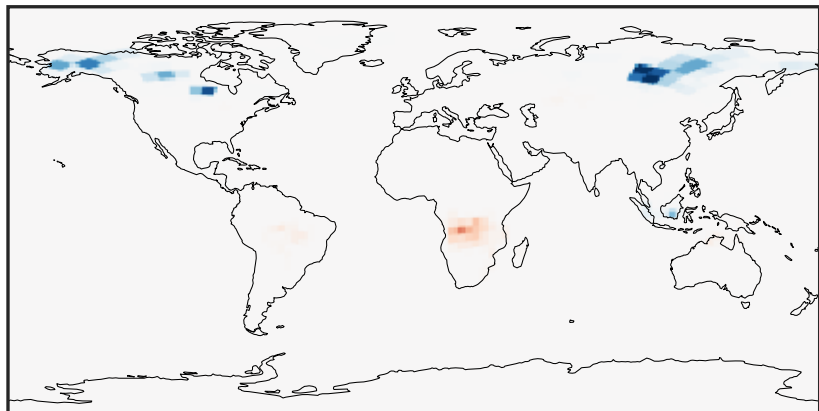
GCHP_14.0.0 (Ref)
c24



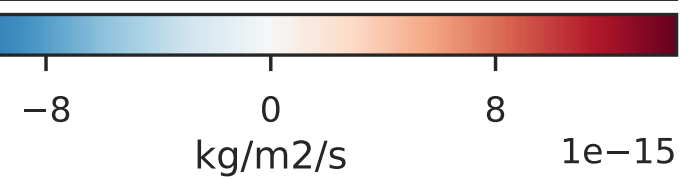
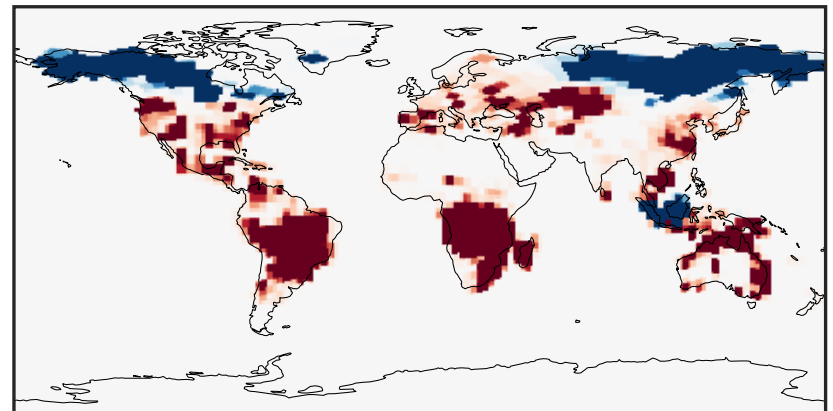
GCHP_14.2.0 (Dev)
c24



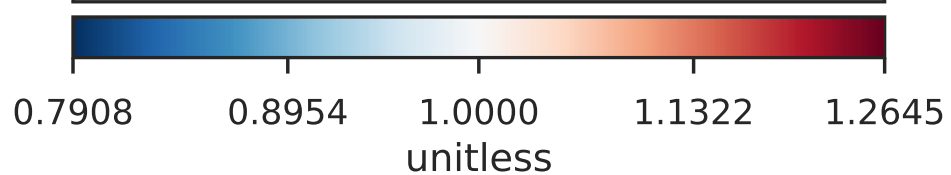
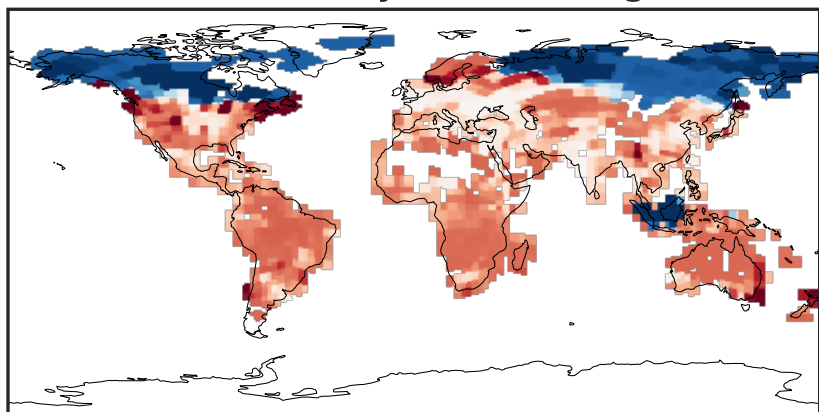
Difference (1x1.25)
Dev - Ref, Dynamic Range



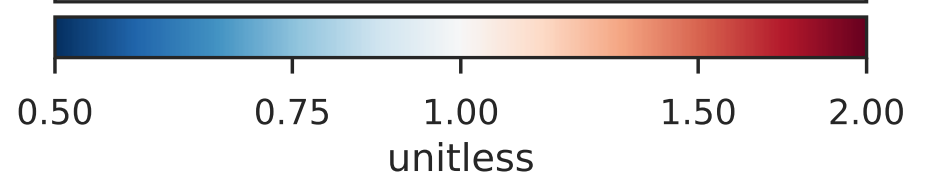
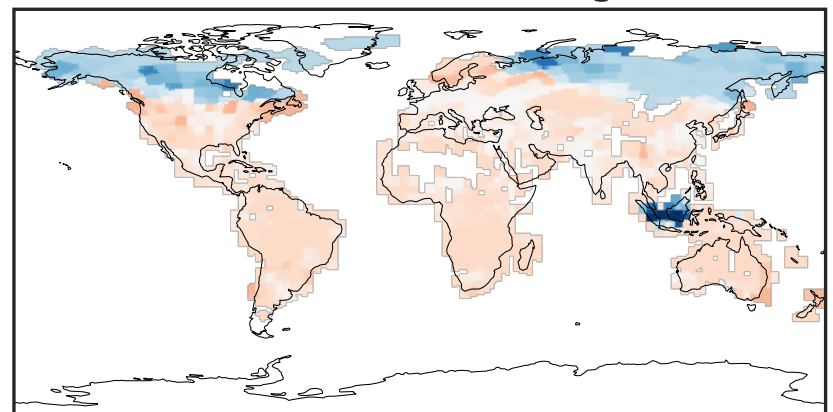
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

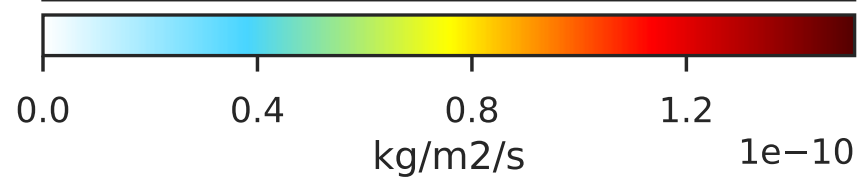
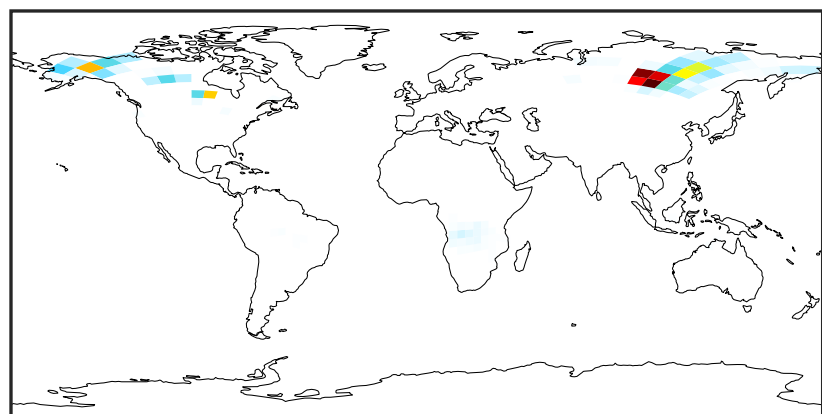


Ratio (1x1.25)
Dev/Ref, Fixed Range

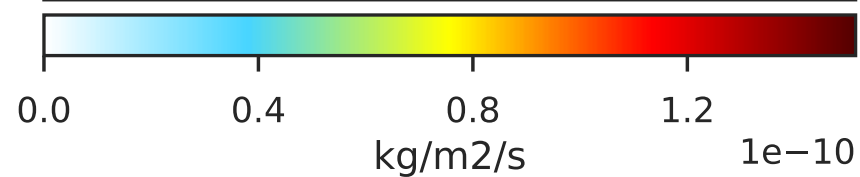
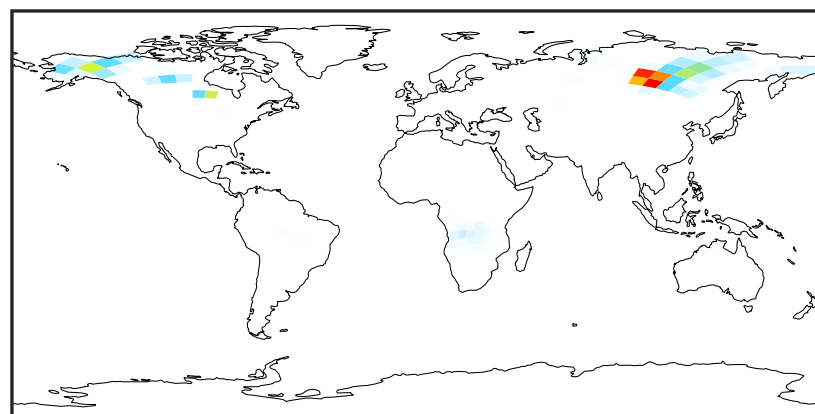


EmisMTPA_BioBurn (Jul2019)

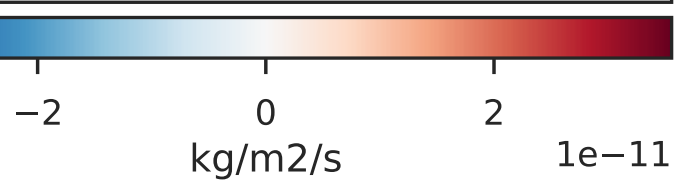
GCHP_14.0.0 (Ref)
c24



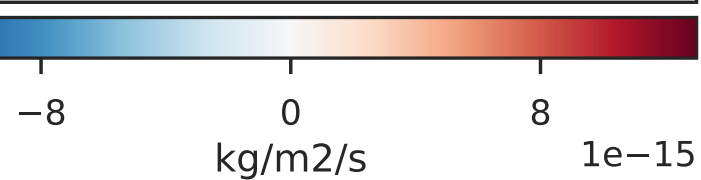
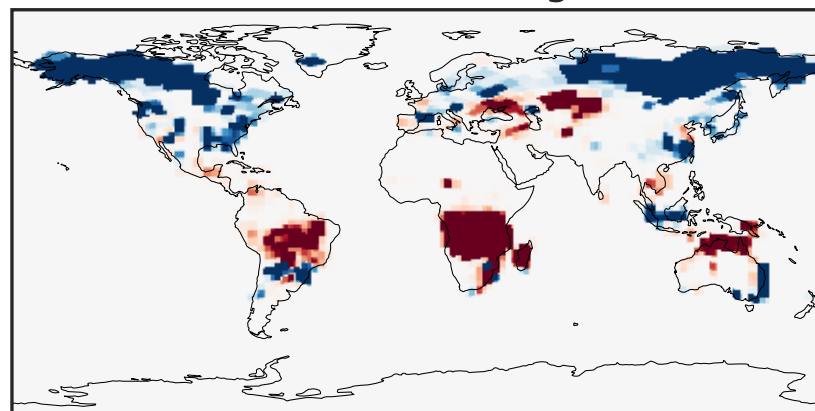
GCHP_14.2.0 (Dev)
c24



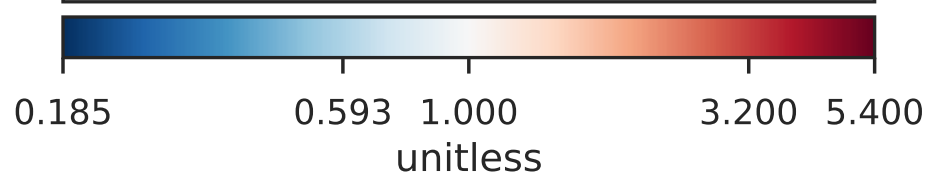
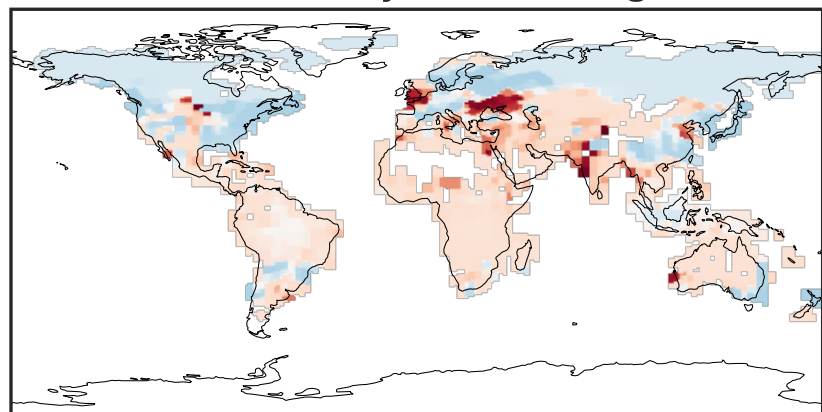
Difference (1x1.25)
Dev - Ref, Dynamic Range



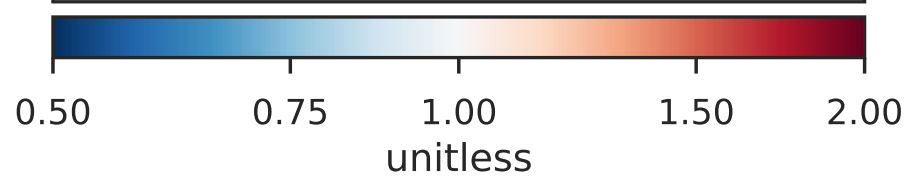
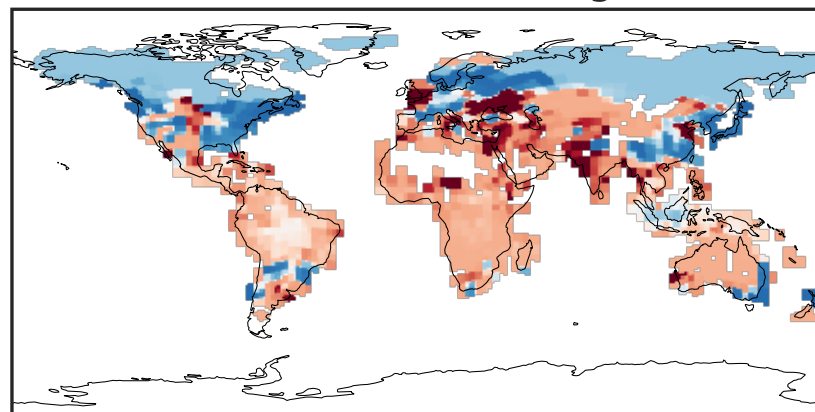
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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



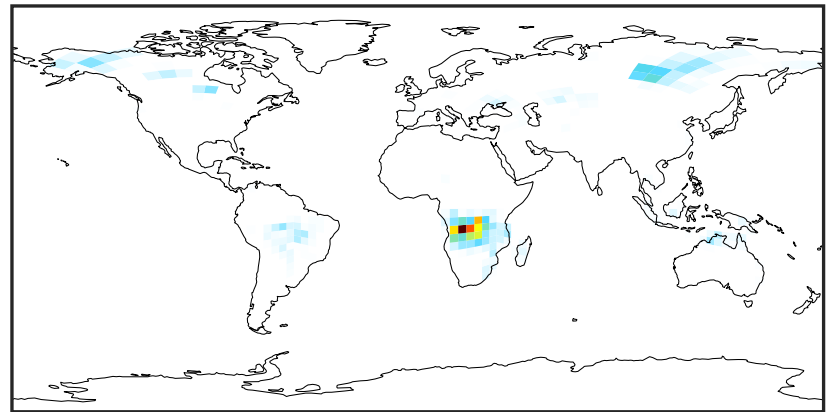
EmisMVK_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



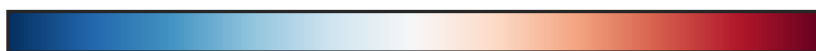
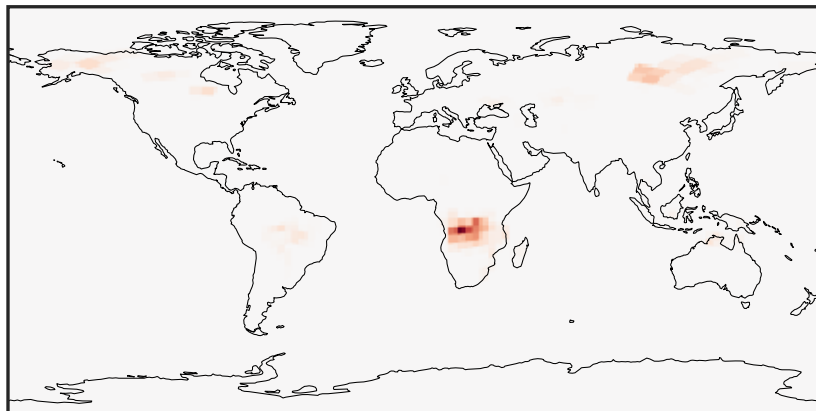
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



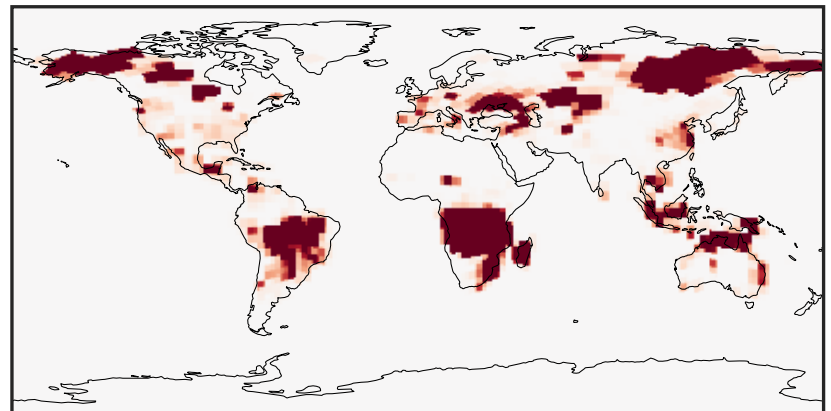
0.0 0.8 1.6 2.4
kg/m²/s 1e-11

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

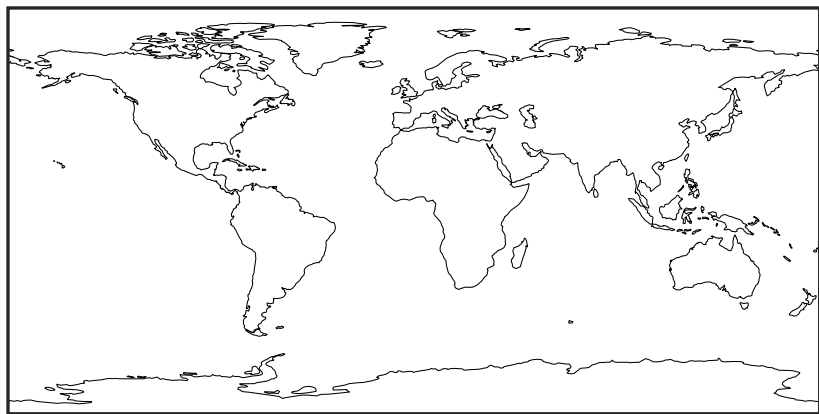
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

EmisNAP_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



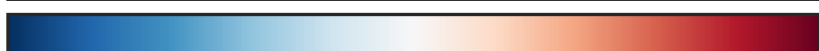
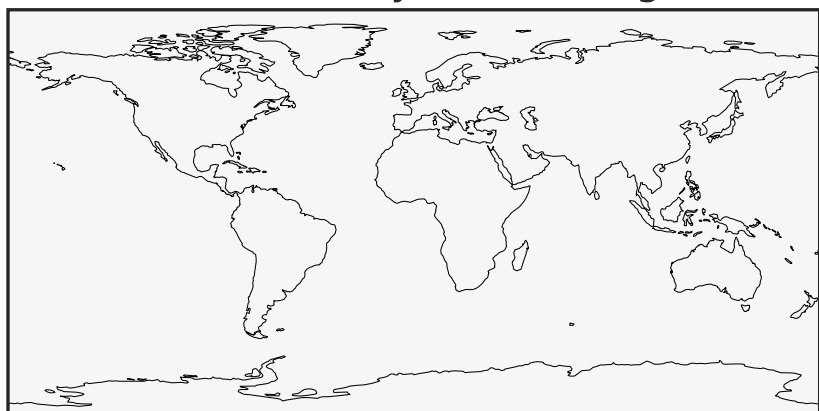
Zero throughout domain
kg/m2/s

GCHP_14.2.0 (Dev)
c24



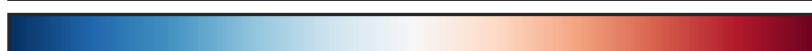
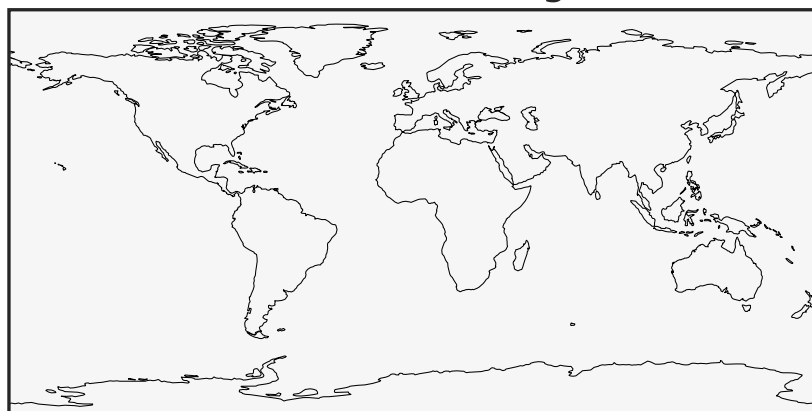
Zero throughout domain
kg/m2/s

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

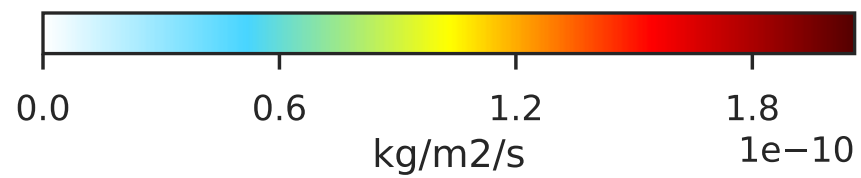
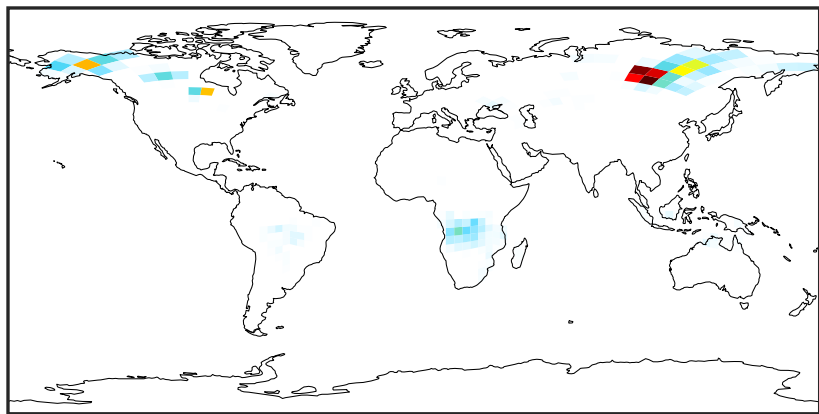
Ratio (1x1.25)
Dev/Ref, Fixed Range



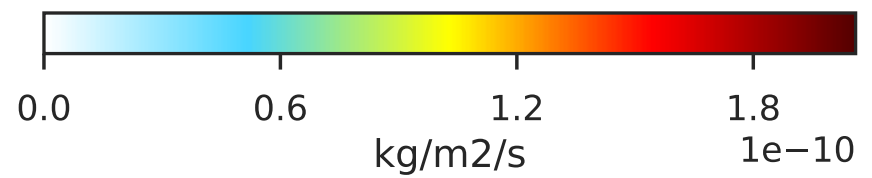
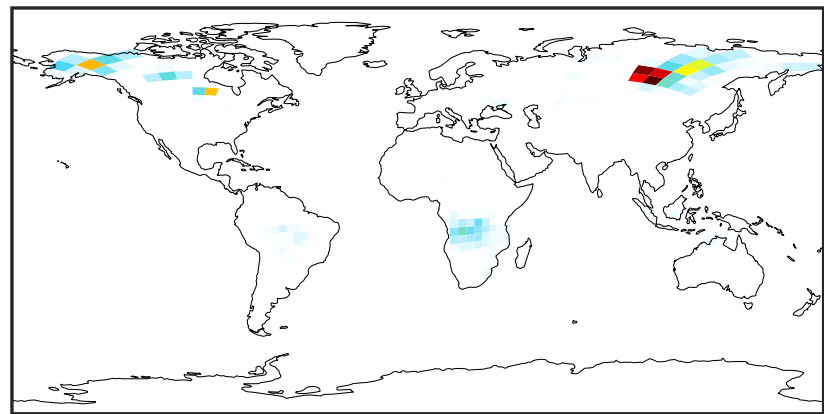
Undefined throughout domain
unitless

EmisNH3_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



GCHP_14.2.0 (Dev)
c24



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



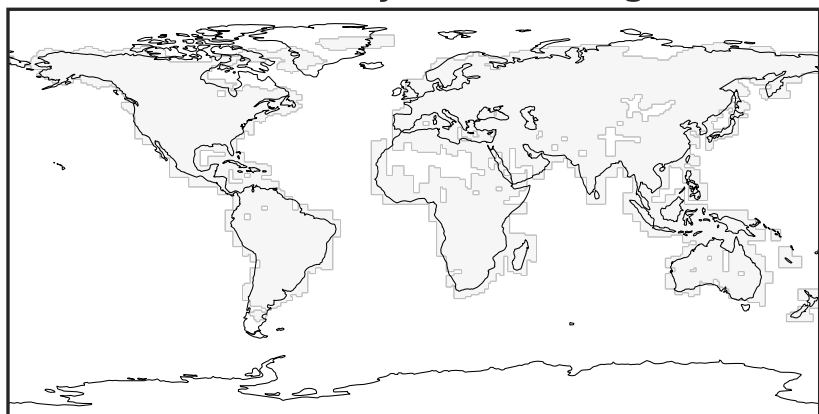
Zero throughout domain
kg/m2/s

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



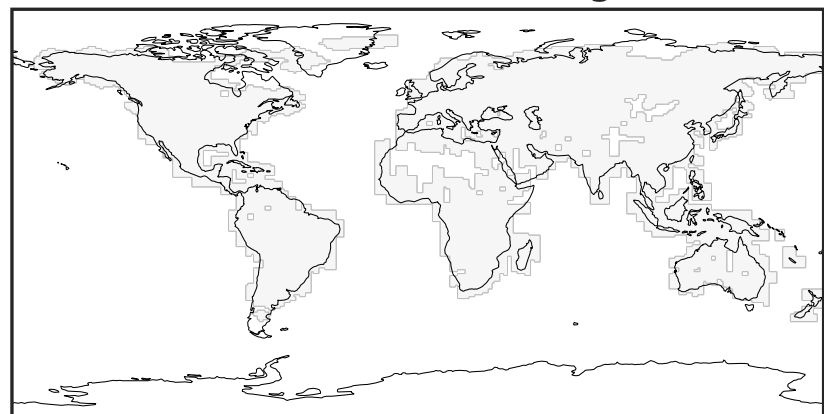
Zero throughout domain
kg/m2/s

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



Ref and Dev equal throughout domain
unitless

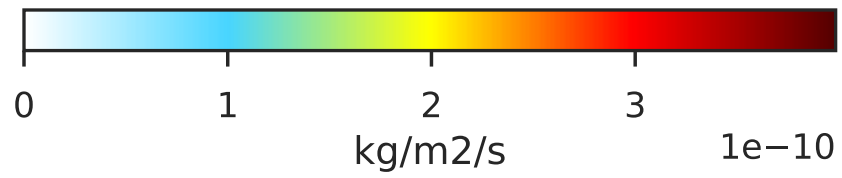
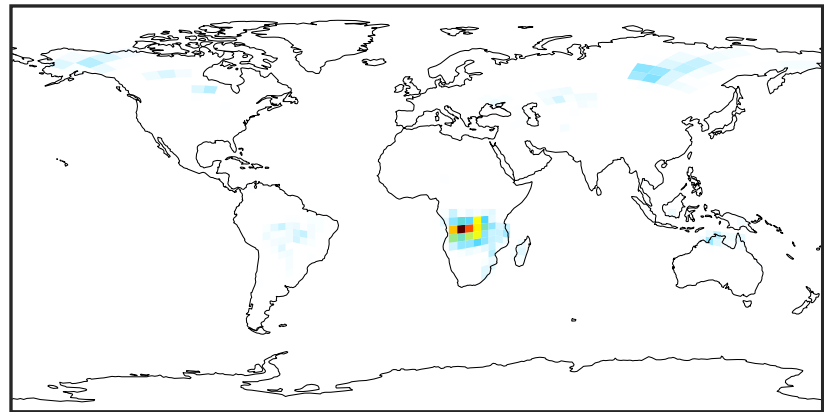
Ratio (1x1.25)
Dev/Ref, Fixed Range



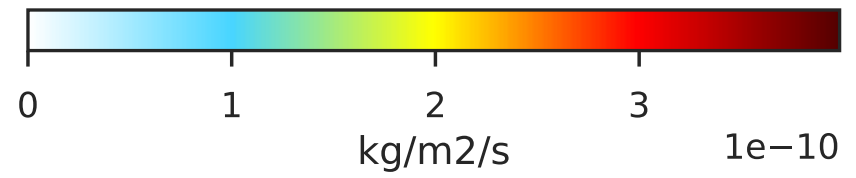
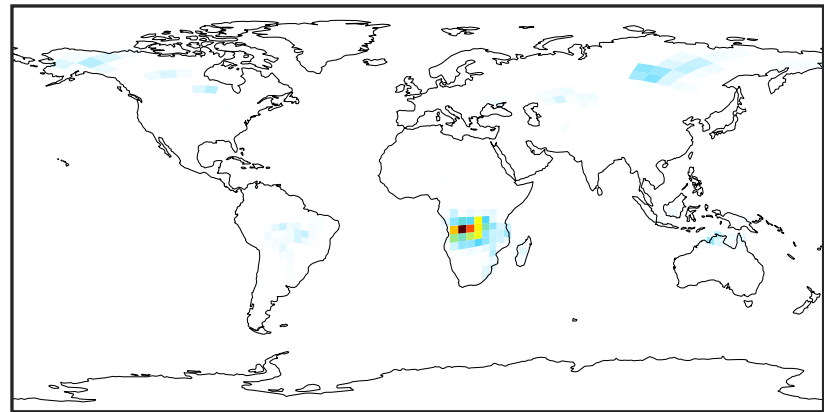
Ref and Dev equal throughout domain
unitless

EmisNO_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



GCHP_14.2.0 (Dev)
c24



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



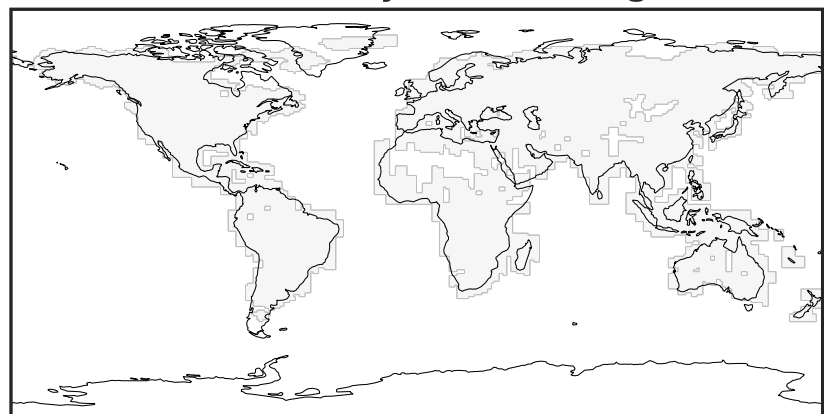
Zero throughout domain
kg/m2/s

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



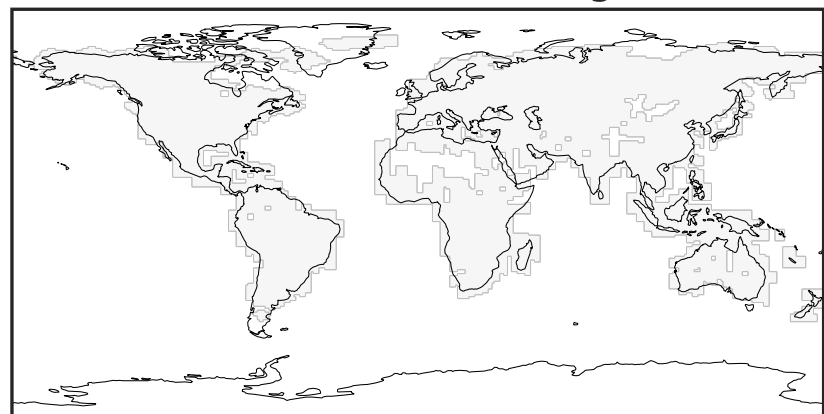
Zero throughout domain
kg/m2/s

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



Ref and Dev equal throughout domain
unitless

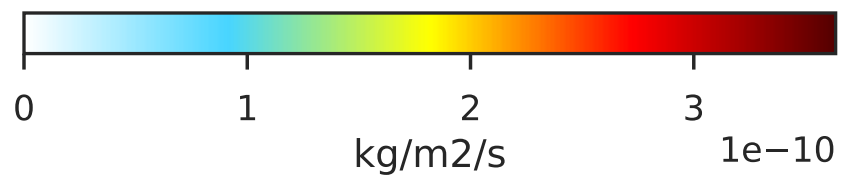
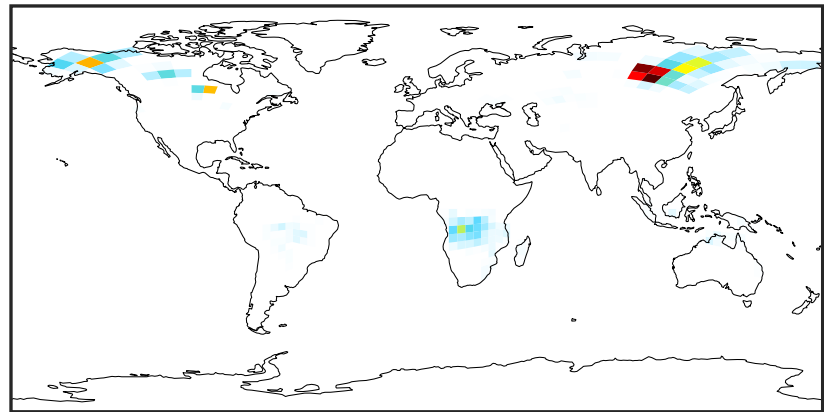
Ratio (1x1.25)
Dev/Ref, Fixed Range



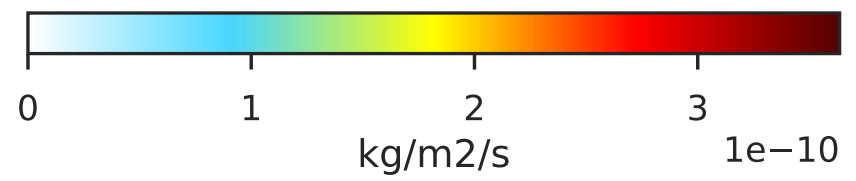
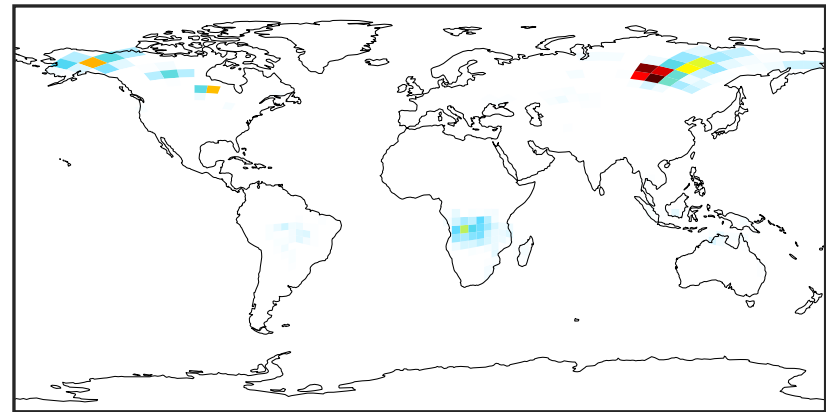
Ref and Dev equal throughout domain
unitless

EmisOCPI_BioBurn (Jul2019)

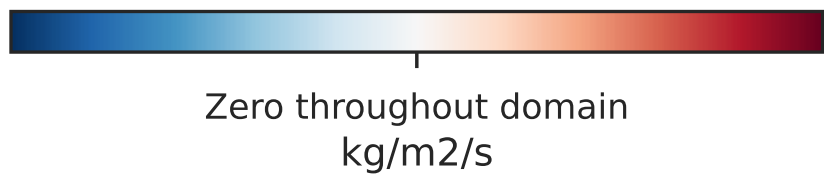
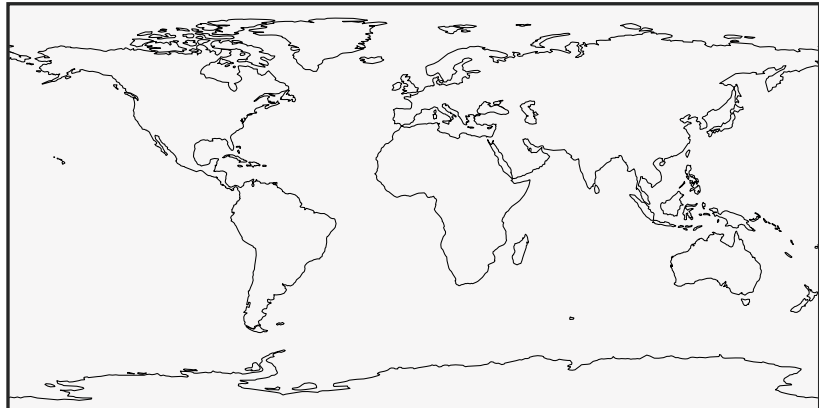
GCHP_14.0.0 (Ref)
c24



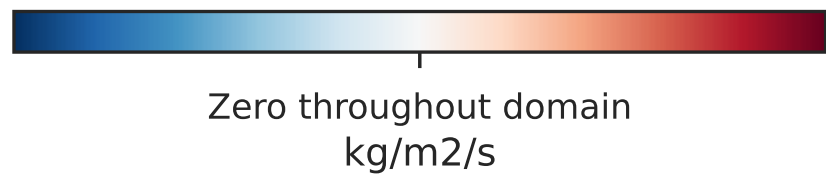
GCHP_14.2.0 (Dev)
c24



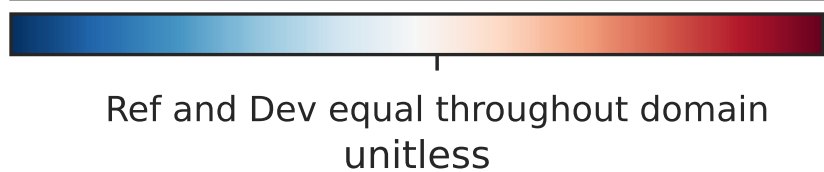
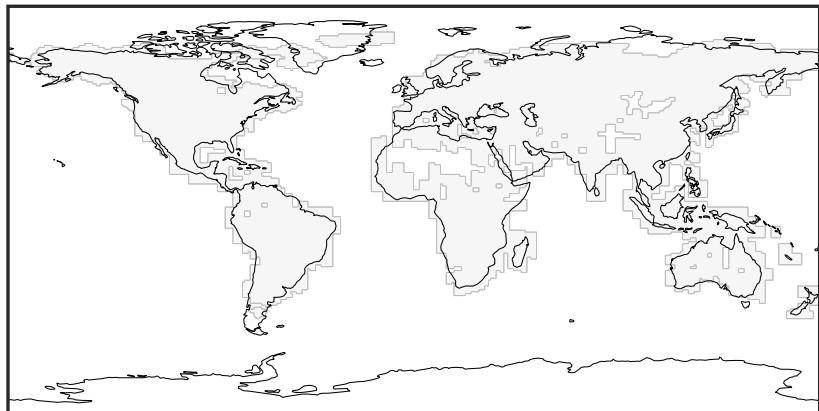
Difference (1x1.25)
Dev - Ref, Dynamic Range



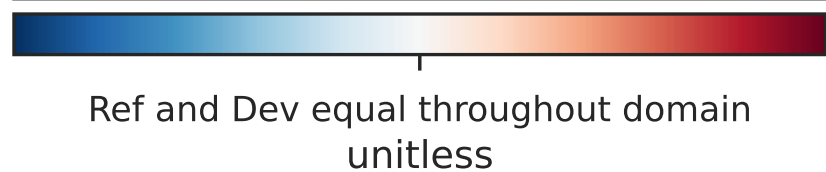
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

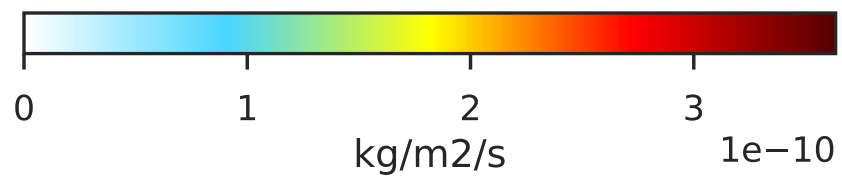
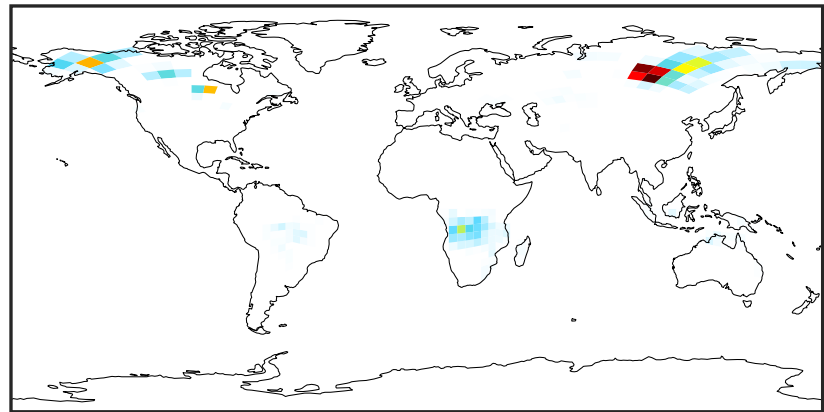


Ratio (1x1.25)
Dev/Ref, Fixed Range

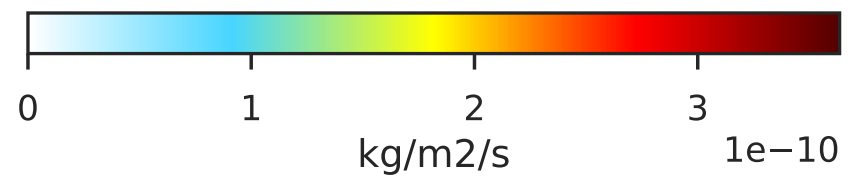
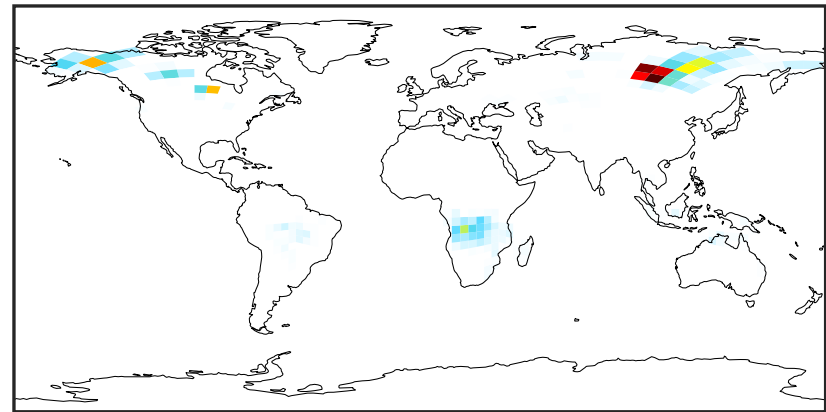


EmisOCPO_BioBurn (Jul2019)

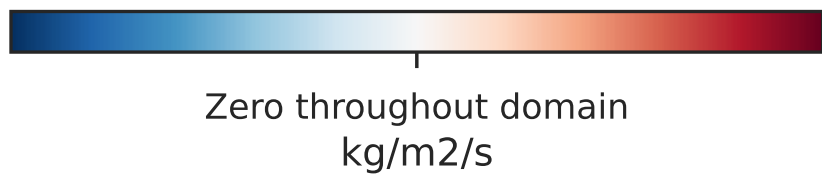
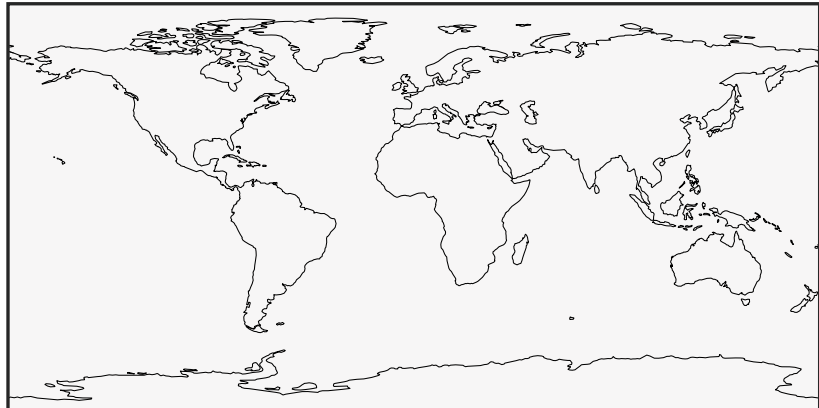
GCHP_14.0.0 (Ref)
c24



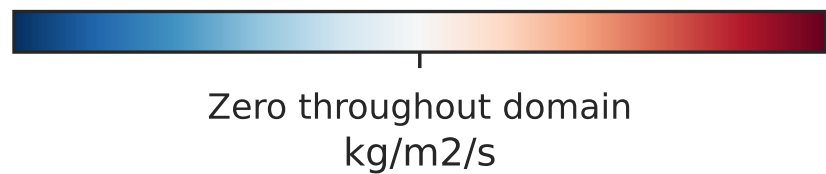
GCHP_14.2.0 (Dev)
c24



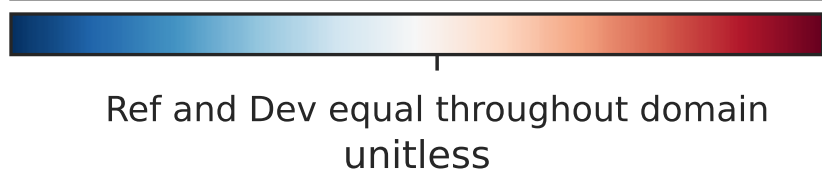
Difference (1x1.25)
Dev - Ref, Dynamic Range



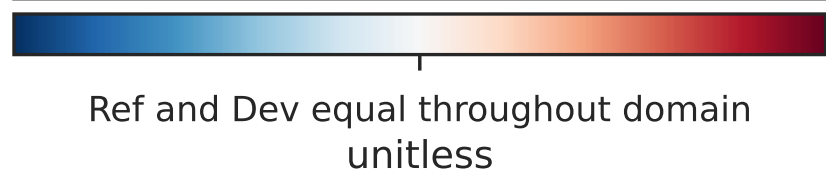
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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



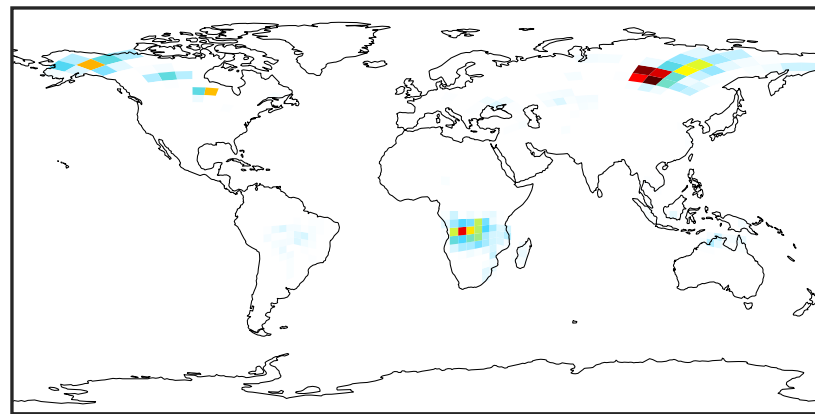
EmisPHEN_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



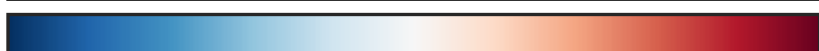
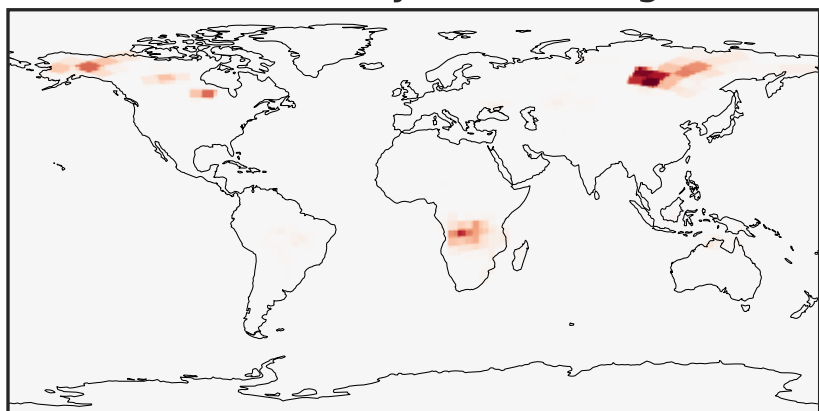
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



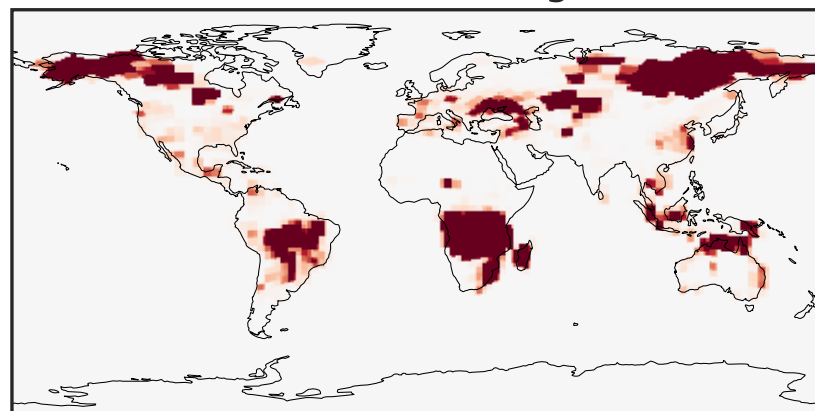
0.0 1.5 3.0 4.5
kg/m²/s 1e-11

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

EmisPOG1_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



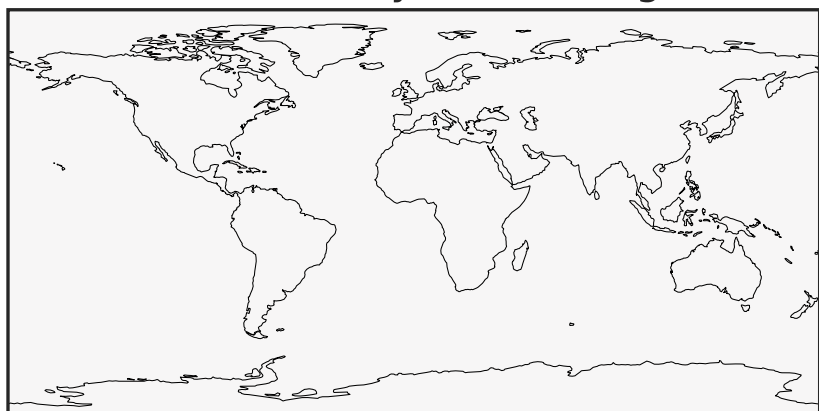
Zero throughout domain
kg/m2/s

GCHP_14.2.0 (Dev)
c24



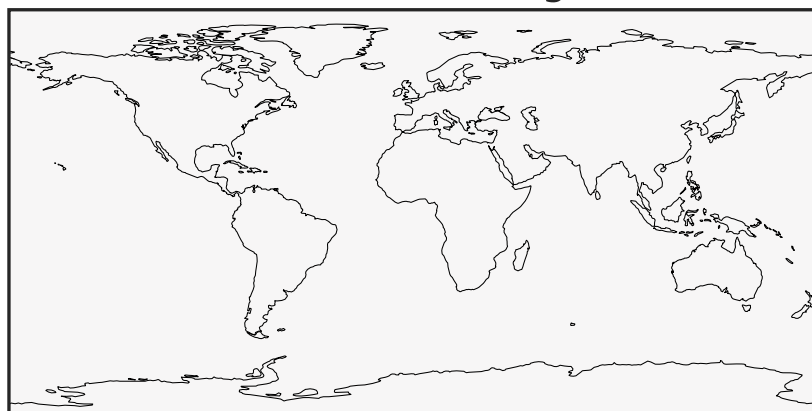
Zero throughout domain
kg/m2/s

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

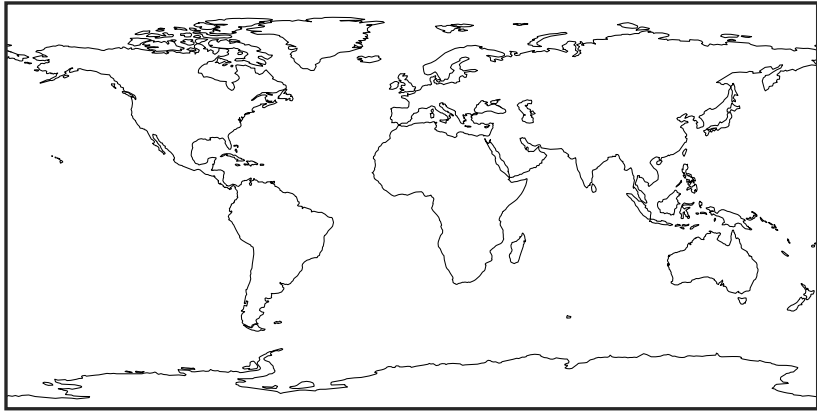
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

EmisPOG2_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



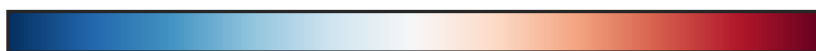
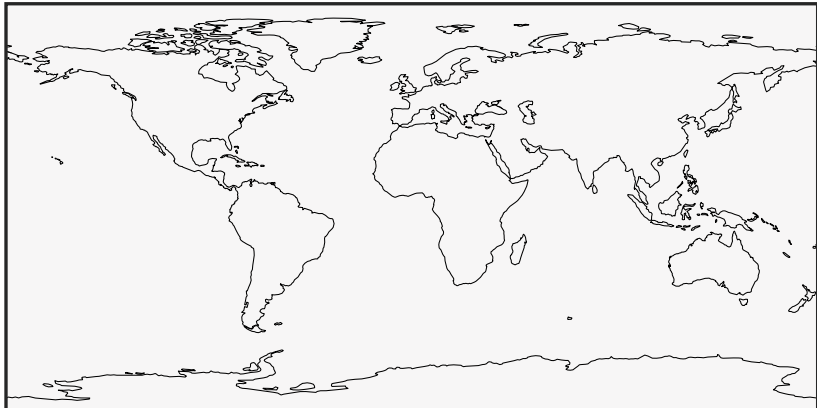
Zero throughout domain
kg/m2/s

GCHP_14.2.0 (Dev)
c24



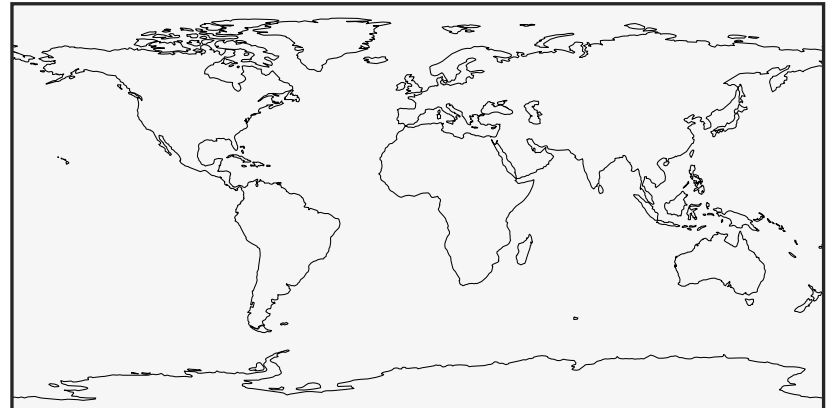
Zero throughout domain
kg/m2/s

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

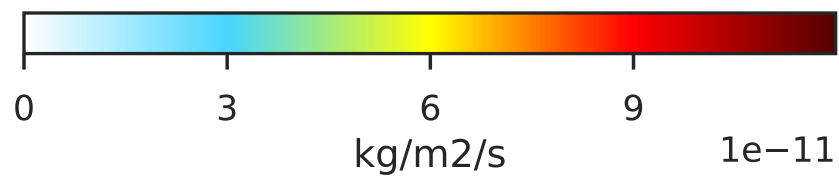
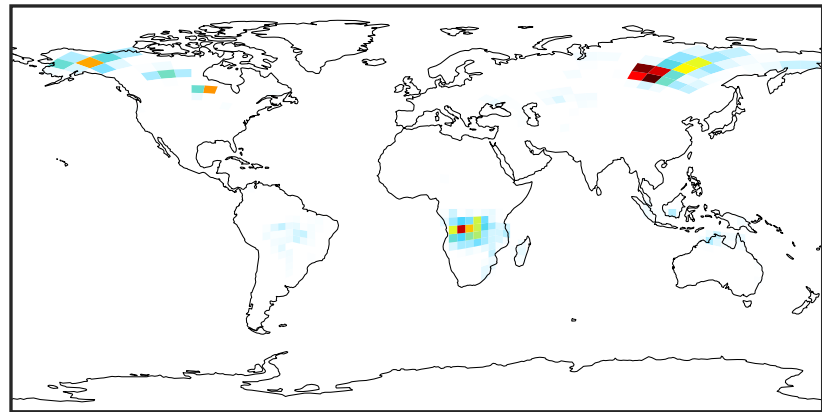
Ratio (1x1.25)
Dev/Ref, Fixed Range



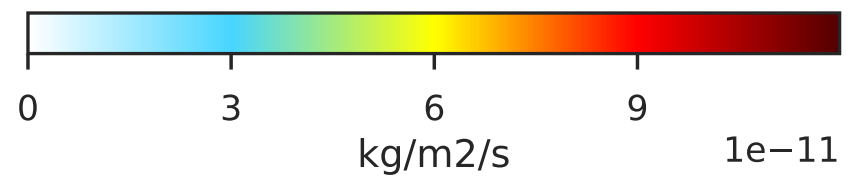
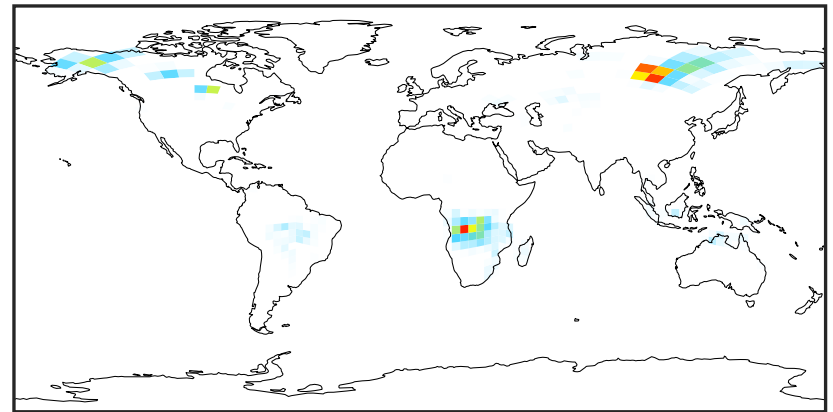
Undefined throughout domain
unitless

EmisPRPE_BioBurn (Jul2019)

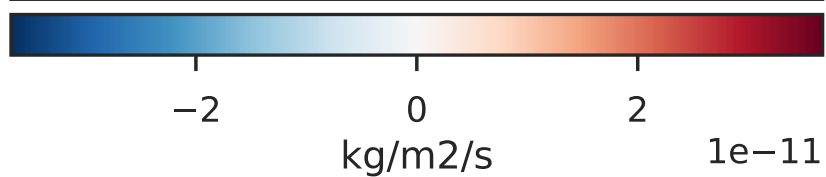
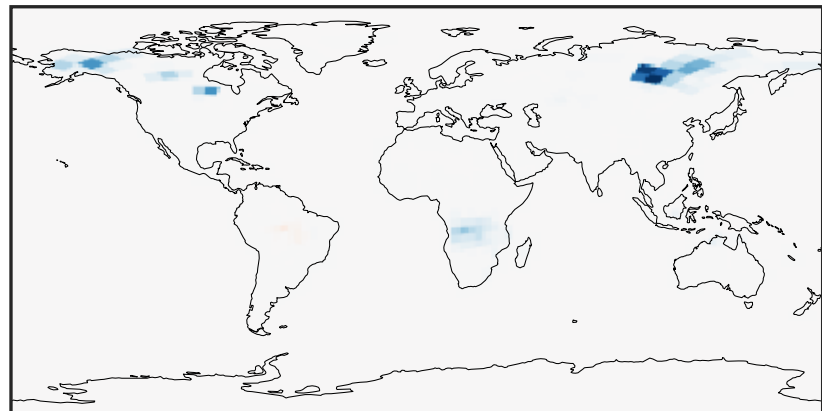
GCHP_14.0.0 (Ref)
c24



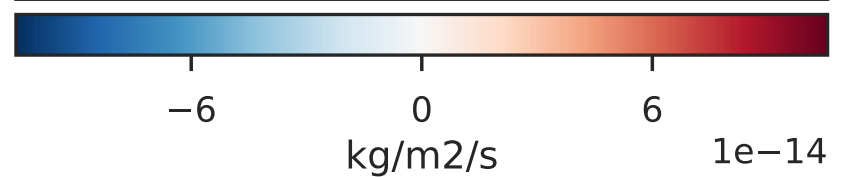
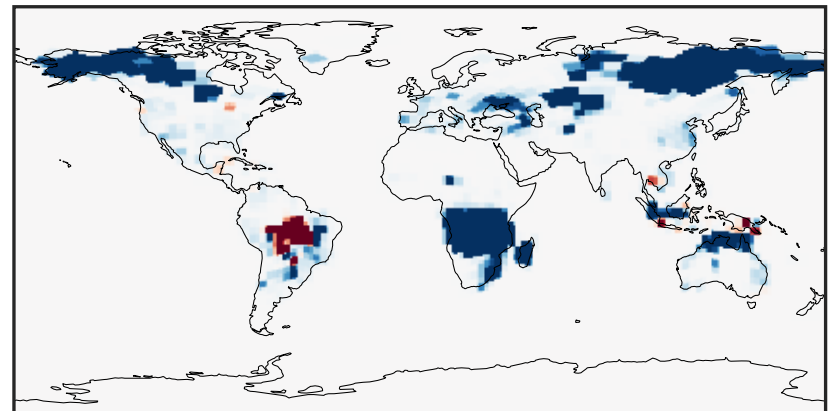
GCHP_14.2.0 (Dev)
c24



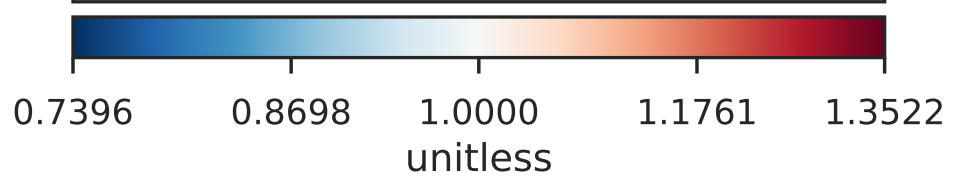
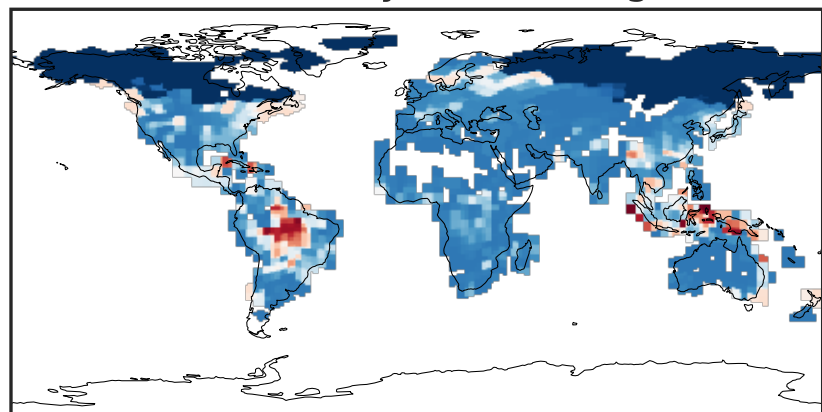
Difference (1x1.25)
Dev - Ref, Dynamic Range



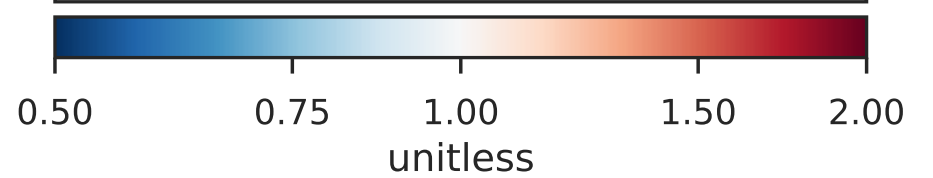
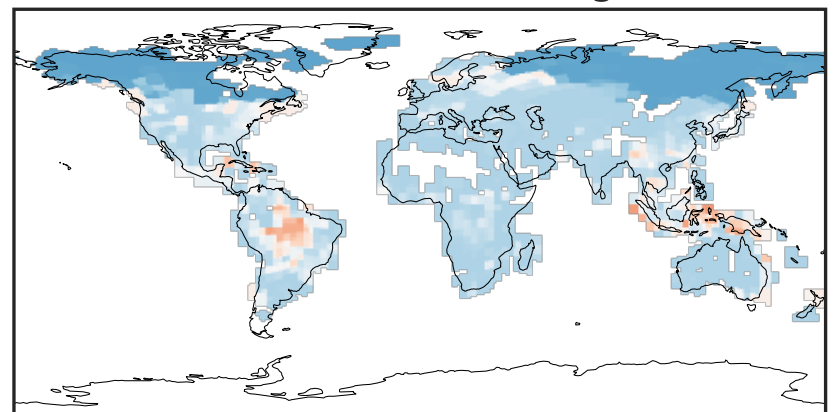
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

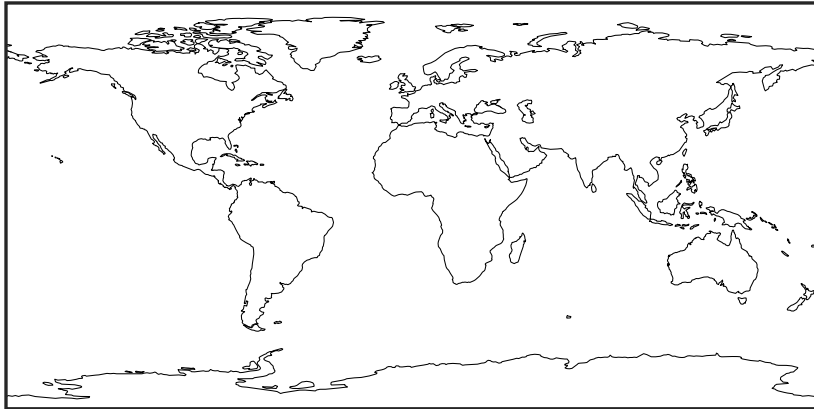


Ratio (1x1.25)
Dev/Ref, Fixed Range



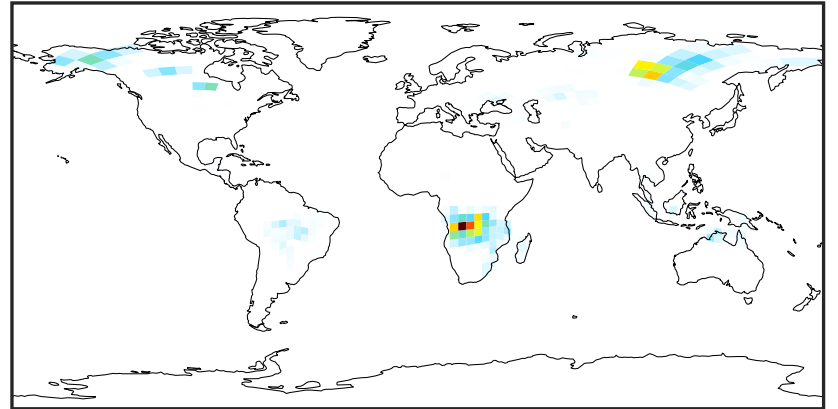
EmisRCHO_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



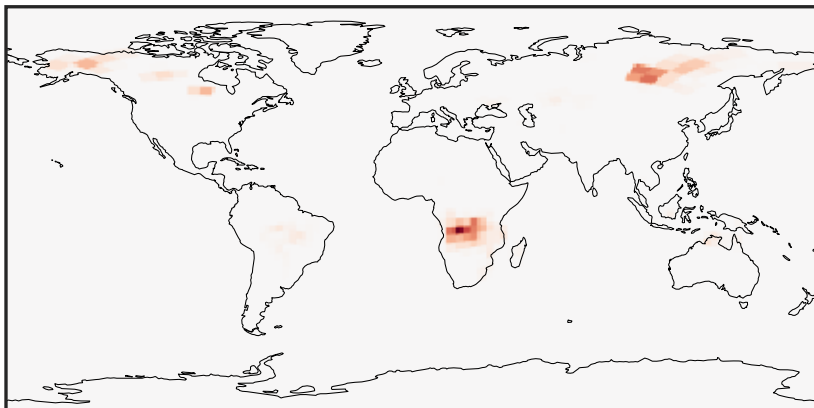
Zero throughput domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



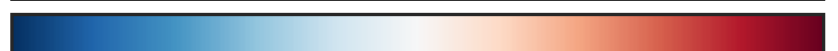
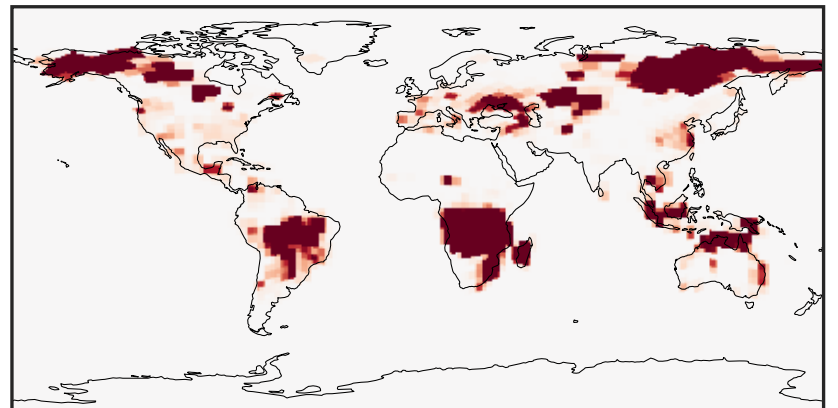
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

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



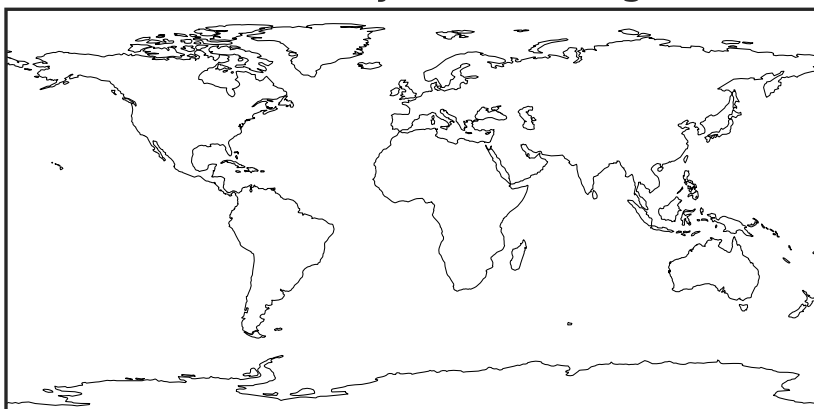
-8 0 8
kg/m²/s 1e-11

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



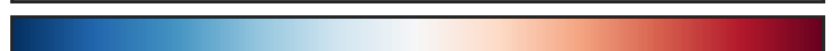
-4 0 4
kg/m²/s 1e-13

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



Undefined throughout domain
unitless

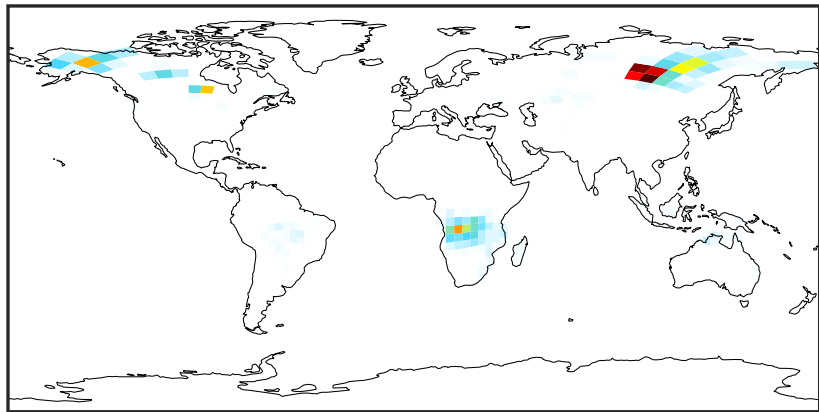
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

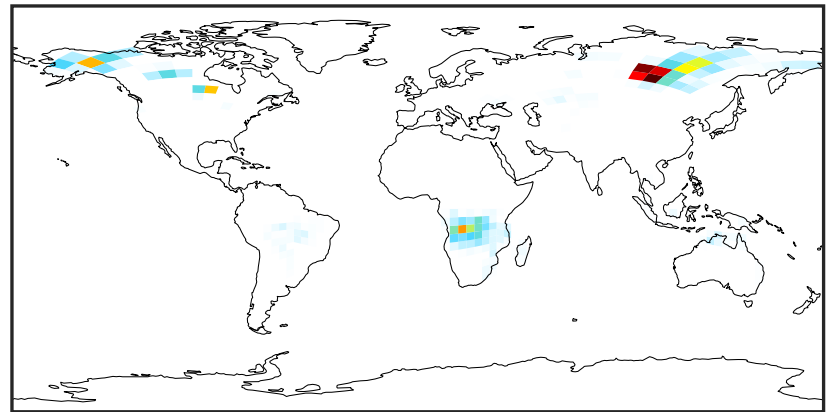
EmisSO2_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



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

GCHP_14.2.0 (Dev)
c24



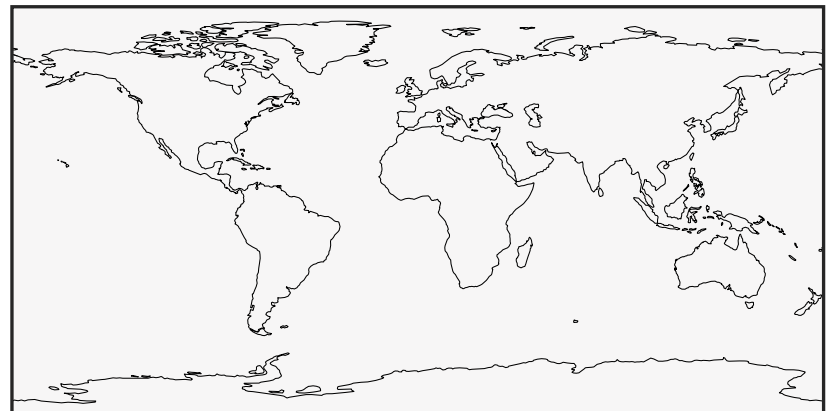
0.0 2.5 5.0 7.5
kg/m2/s 1e-11

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



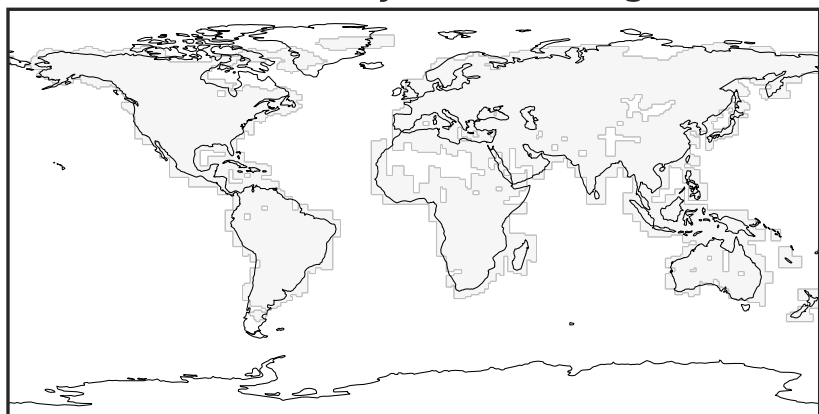
Zero throughout domain
kg/m2/s

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



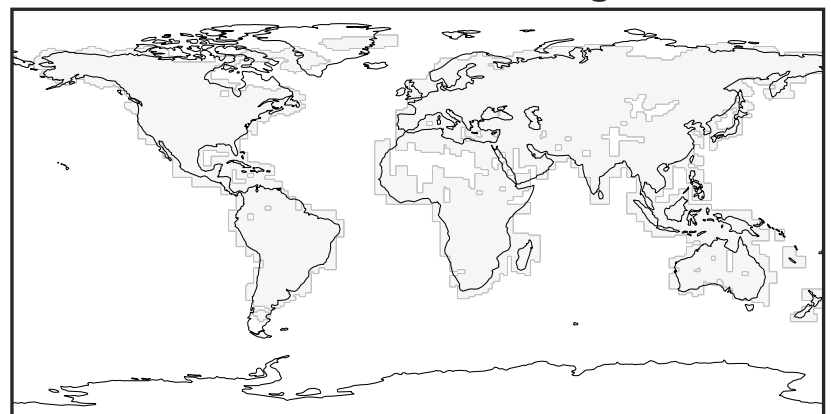
Zero throughout domain
kg/m2/s

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



Ref and Dev equal throughout domain
unitless

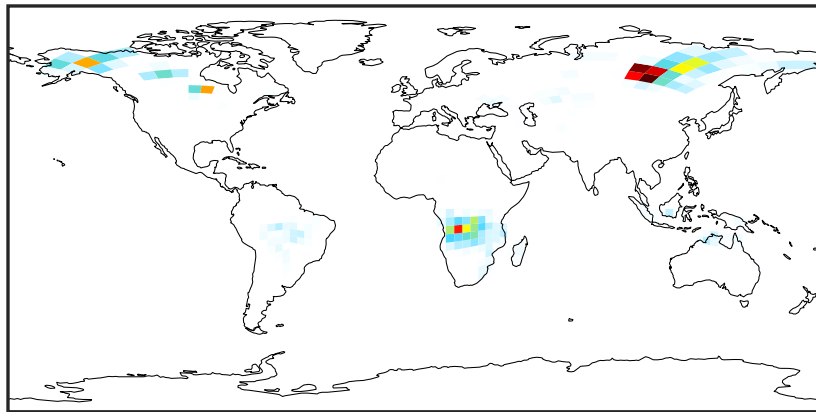
Ratio (1x1.25)
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

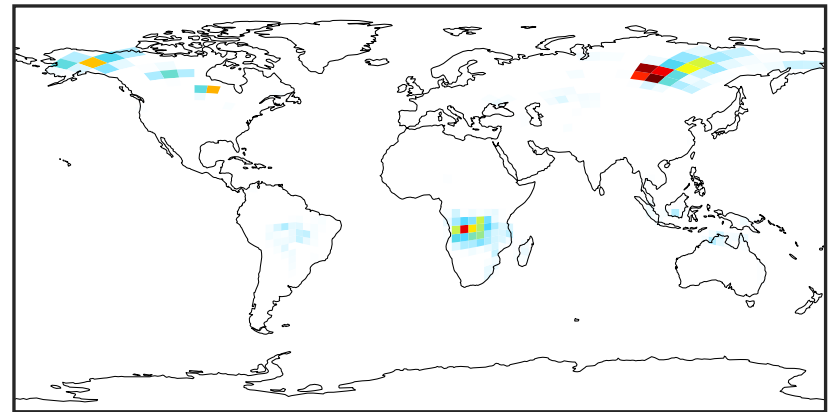
EmisSOAP_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



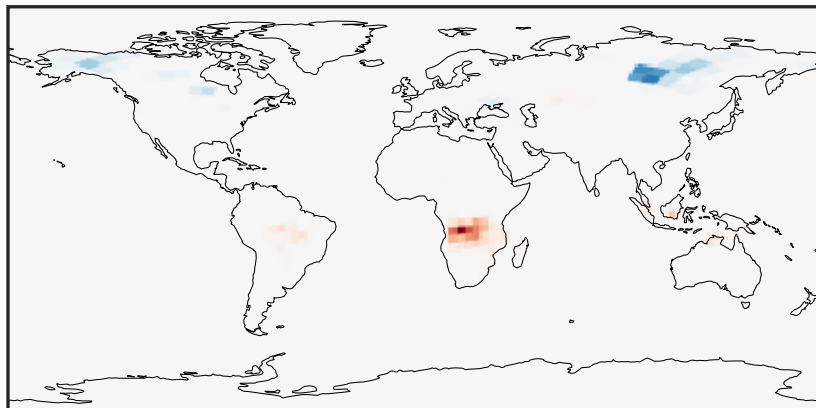
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

GCHP_14.2.0 (Dev)
c24



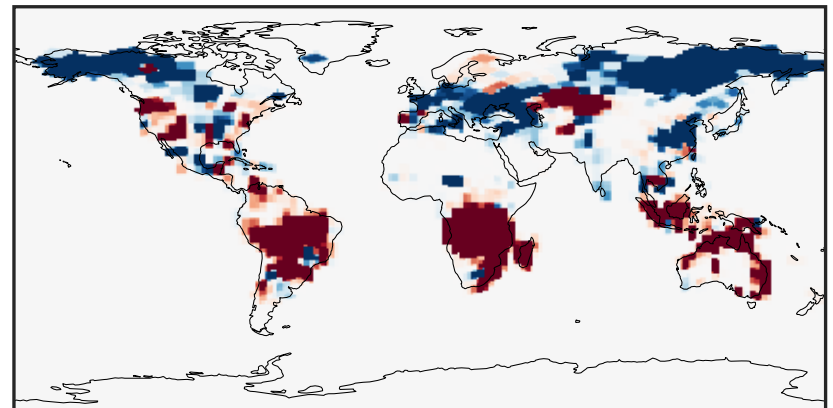
0.0 0.4 0.8 1.2
kg/m²/s 1e-10

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



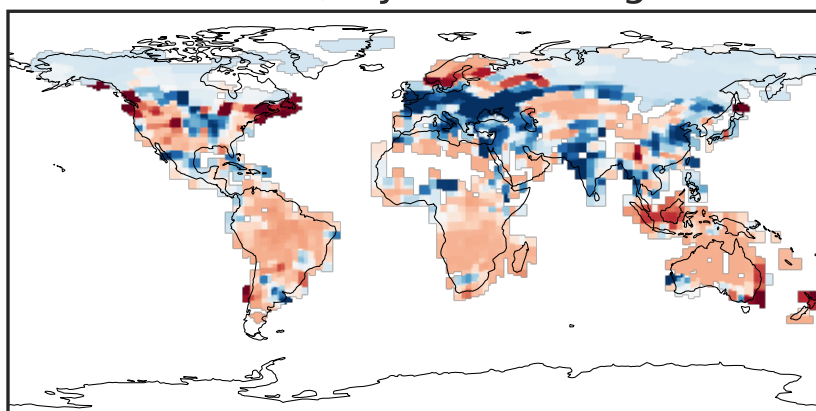
-5 0 5
kg/m²/s 1e-12

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



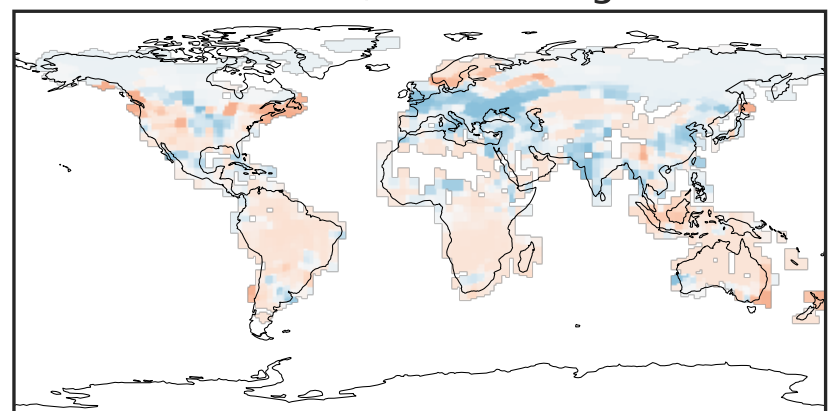
-4 0 4
kg/m²/s 1e-15

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



0.7787 0.8894 1.0000 1.1421 1.2841
unitless

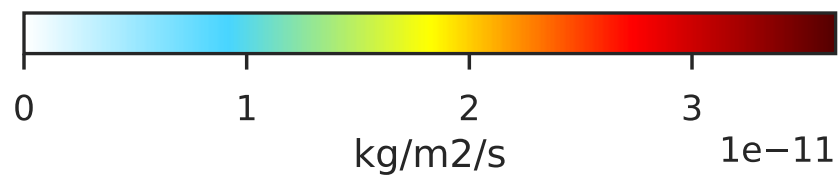
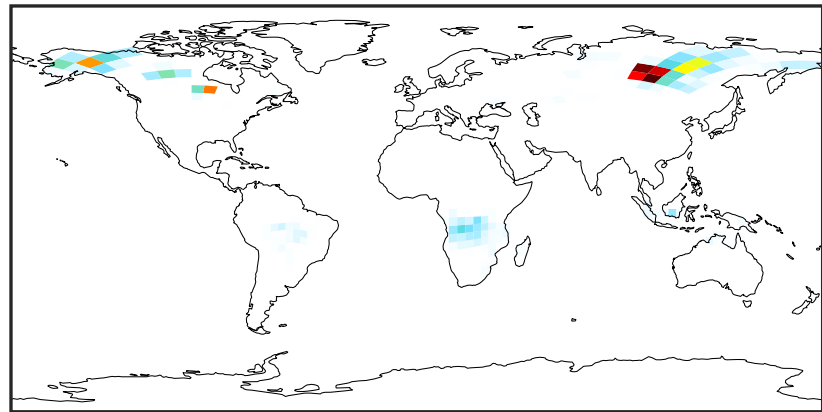
Ratio (1x1.25)
Dev/Ref, Fixed Range



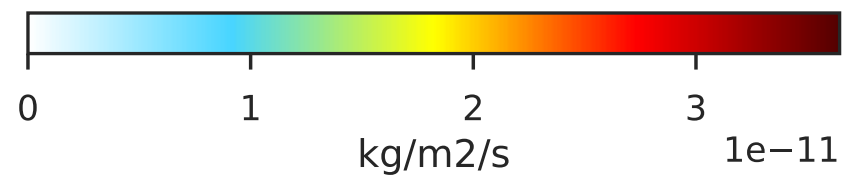
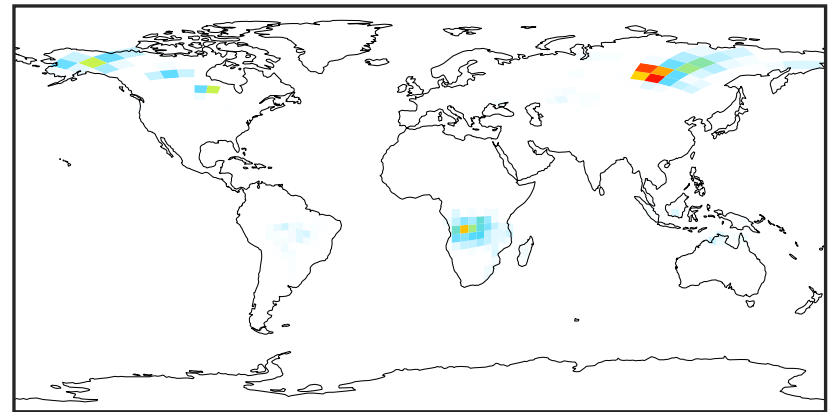
0.50 0.75 1.00 1.50 2.00
unitless

EmisTOLU_BioBurn (Jul2019)

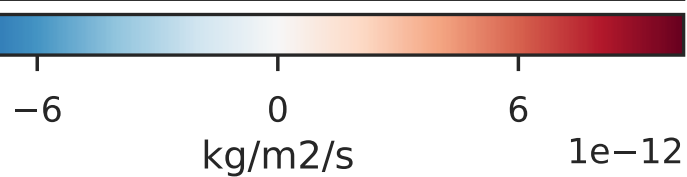
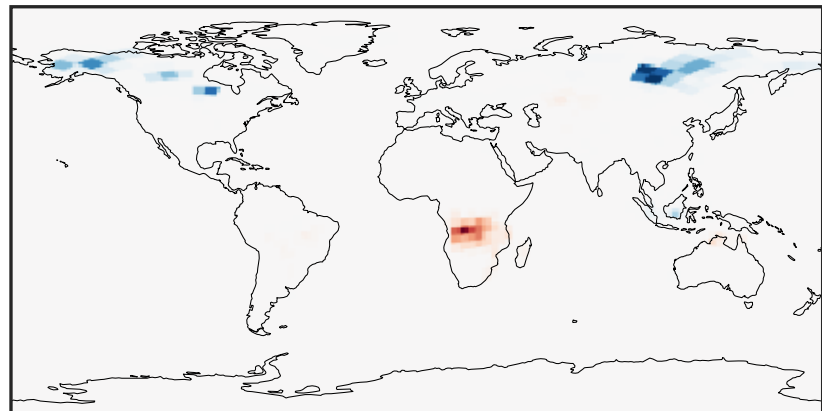
GCHP_14.0.0 (Ref)
c24



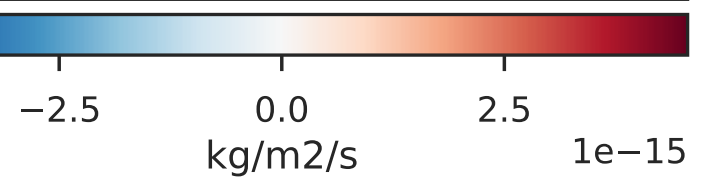
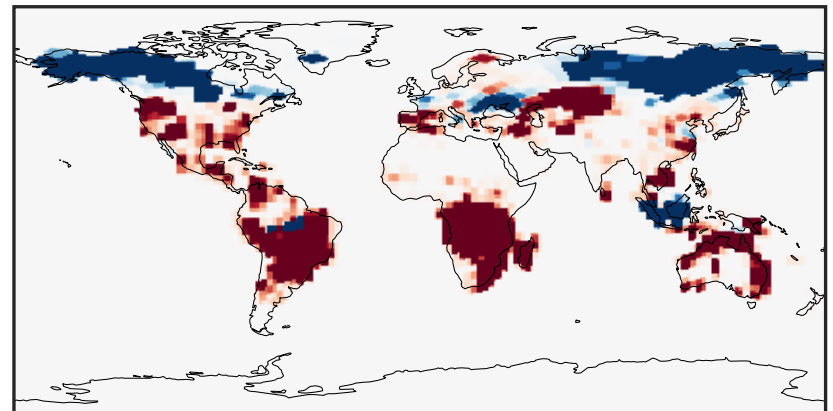
GCHP_14.2.0 (Dev)
c24



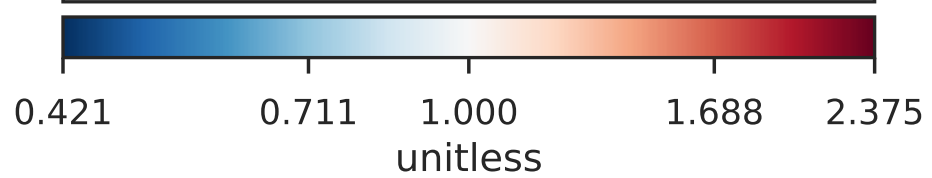
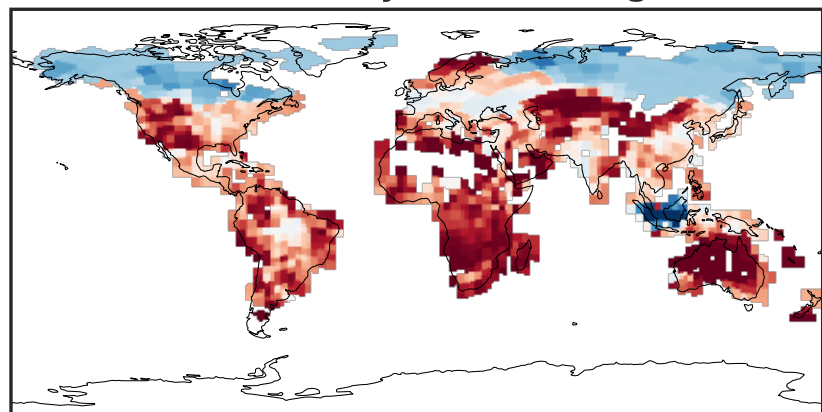
Difference (1x1.25)
Dev - Ref, Dynamic Range



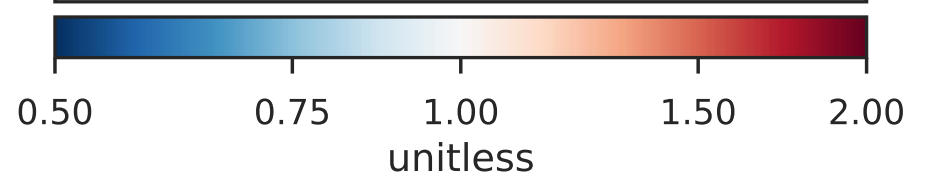
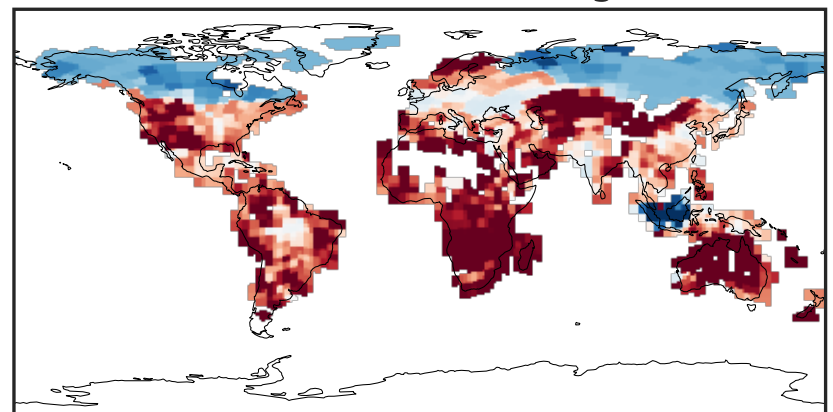
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

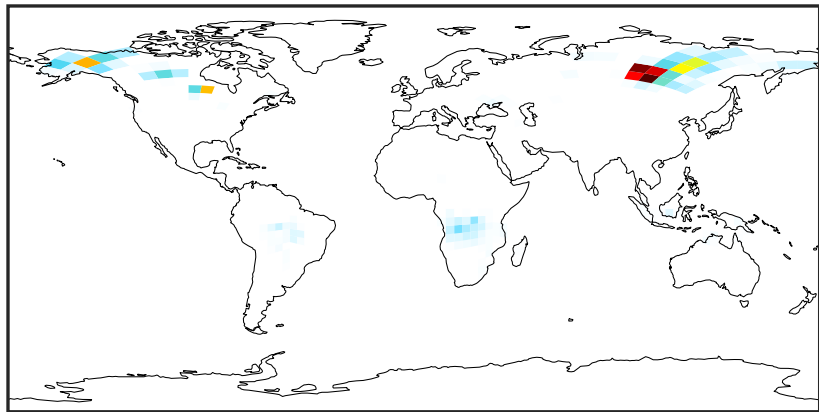


Ratio (1x1.25)
Dev/Ref, Fixed Range



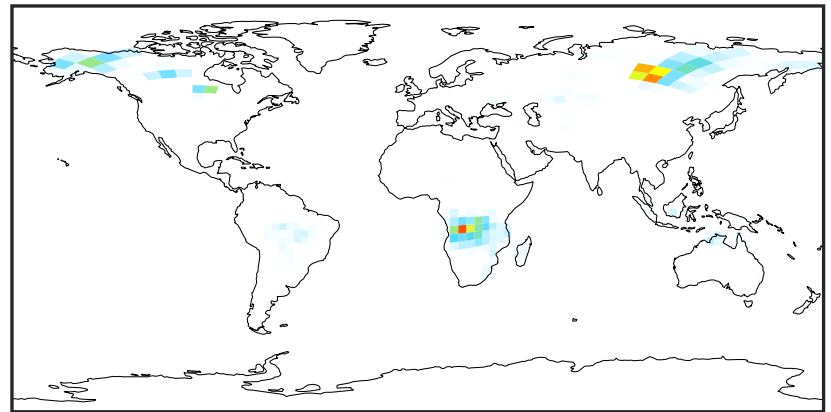
EmisXYLE_BioBurn (Jul2019)

GCHP_14.0.0 (Ref)
c24



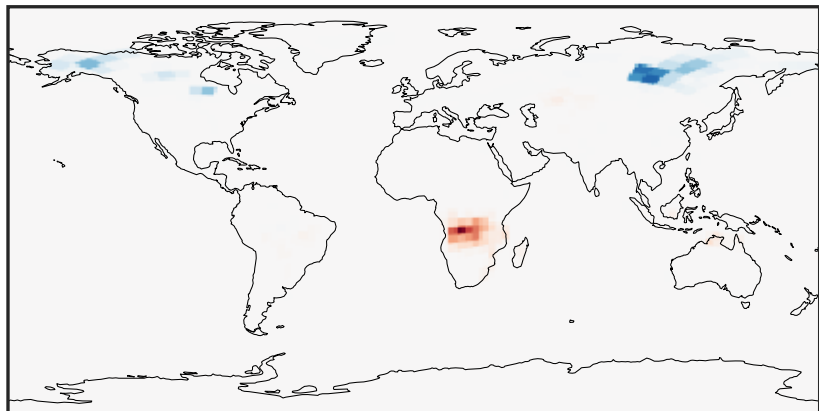
0.0 0.4 0.8 1.2
kg/m2/s 1e-11

GCHP_14.2.0 (Dev)
c24



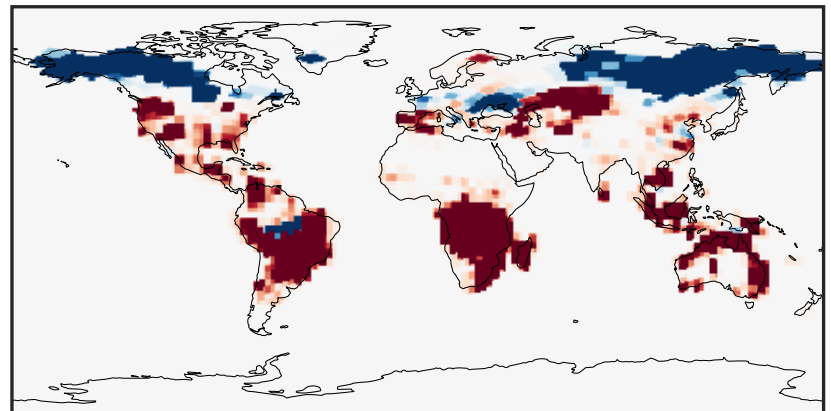
0.0 0.4 0.8 1.2
kg/m2/s 1e-11

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



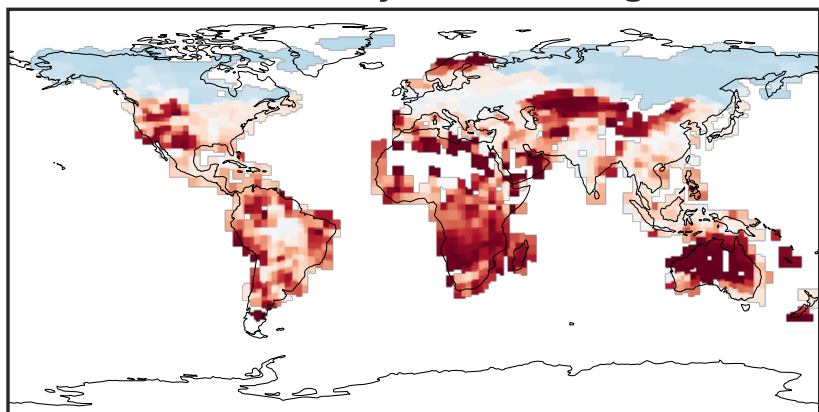
-4 0 4
kg/m2/s 1e-12

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



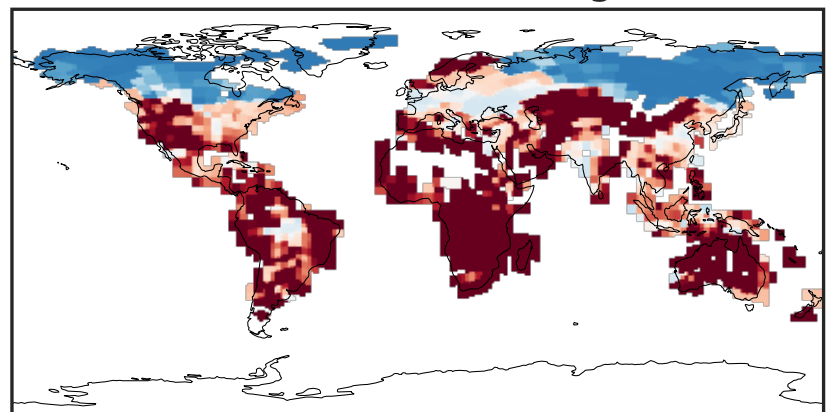
-2 0 2
kg/m2/s 1e-15

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



0.163 0.581 1.000 3.572 6.143
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless