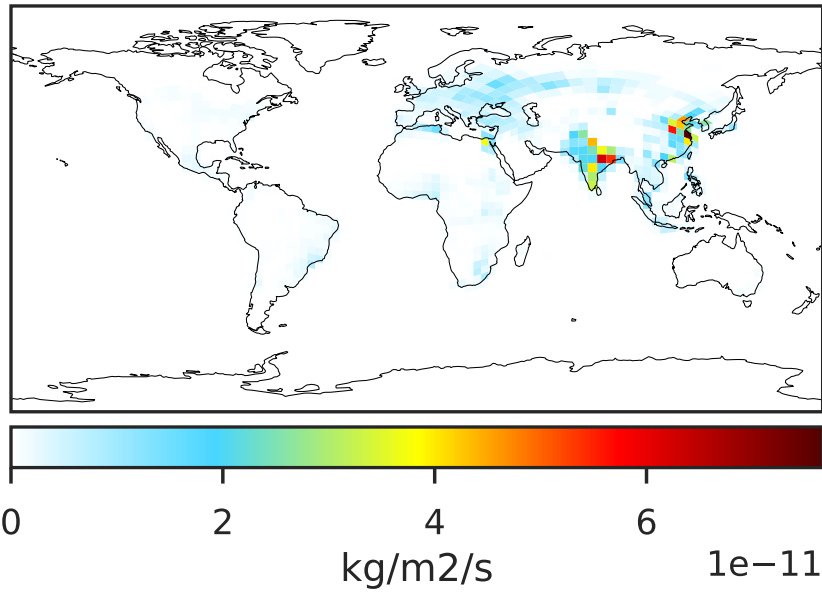
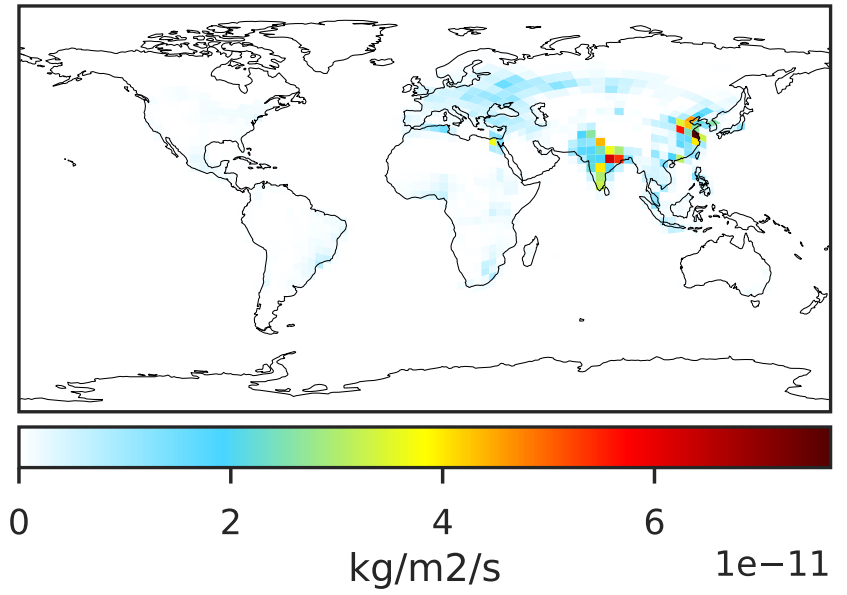


EmisDST1_Anthro (Jan2019)

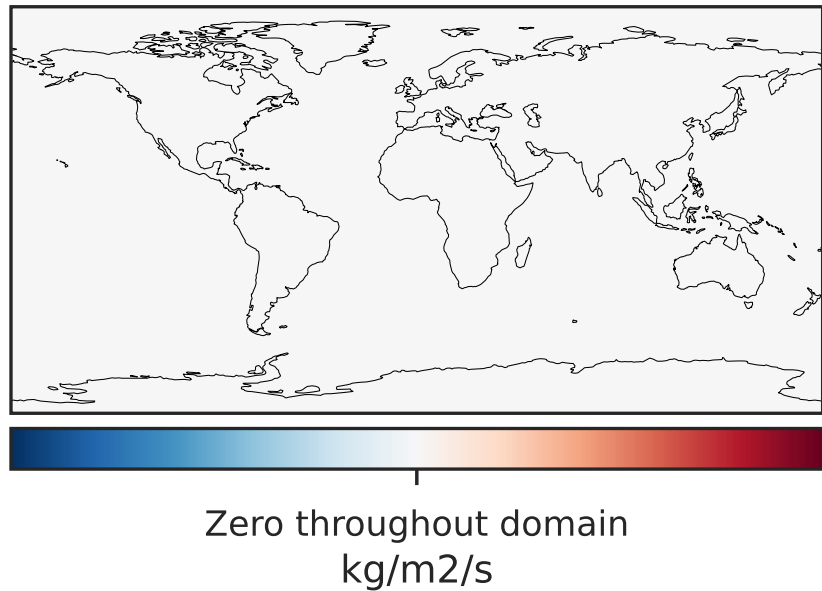
GCHP_14.0.0 (Ref)
c24



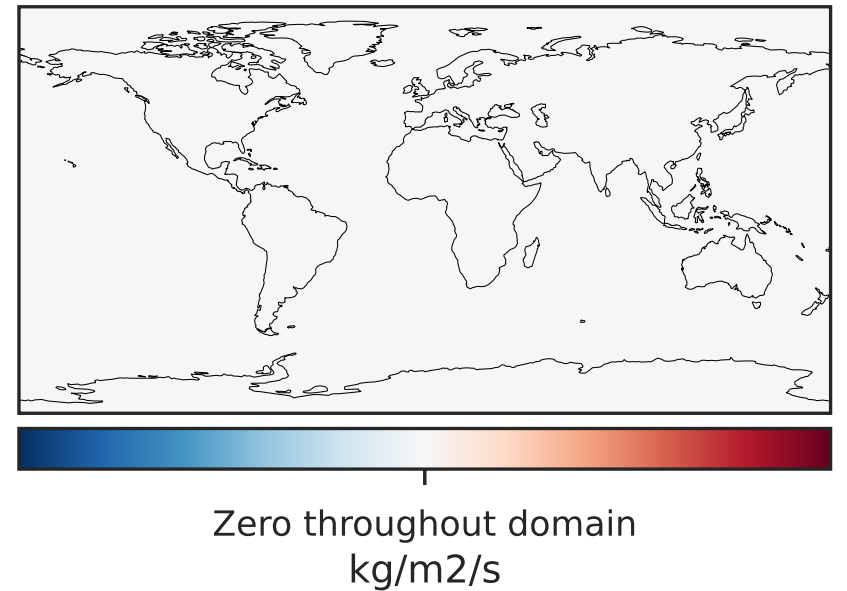
GCHP_14.2.0 (Dev)
c24



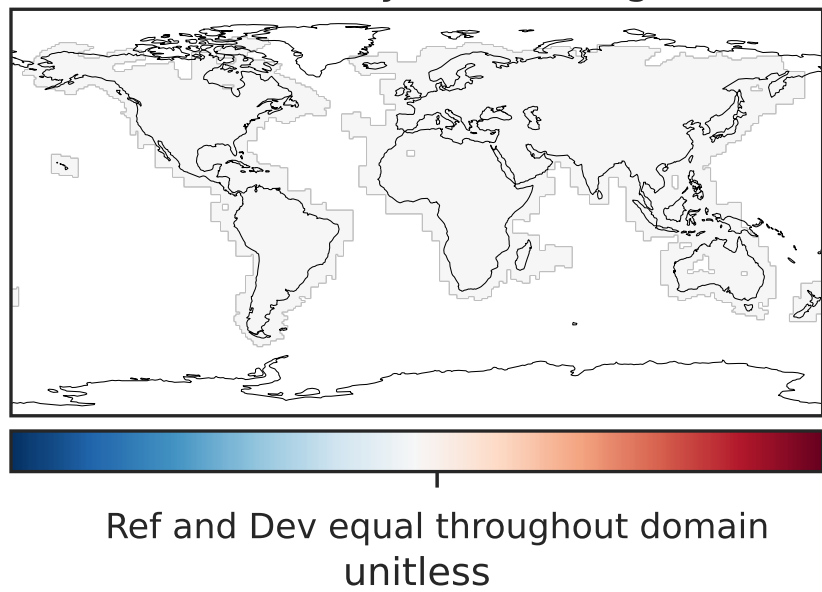
Difference (1x1.25)
Dev - Ref, Dynamic Range



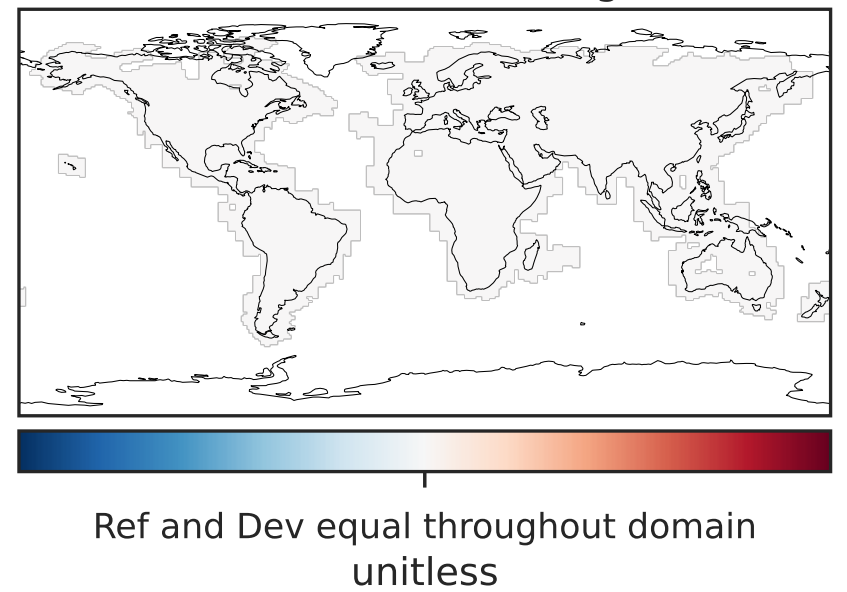
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

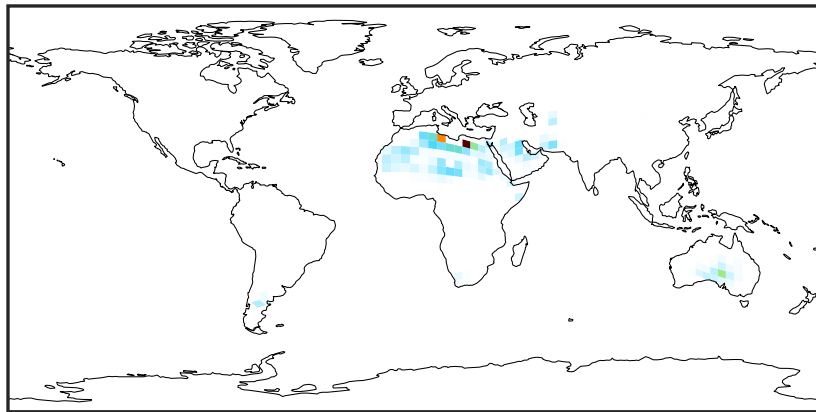


Ratio (1x1.25)
Dev/Ref, Fixed Range



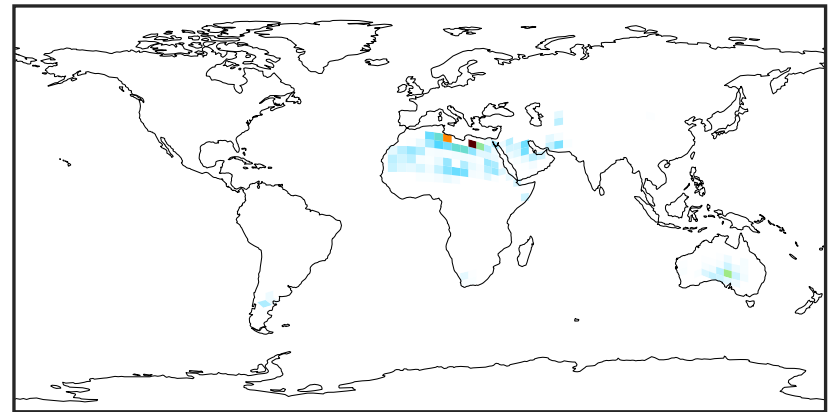
EmisDST1_Natural (Jan2019)

GCHP_14.0.0 (Ref)
c24



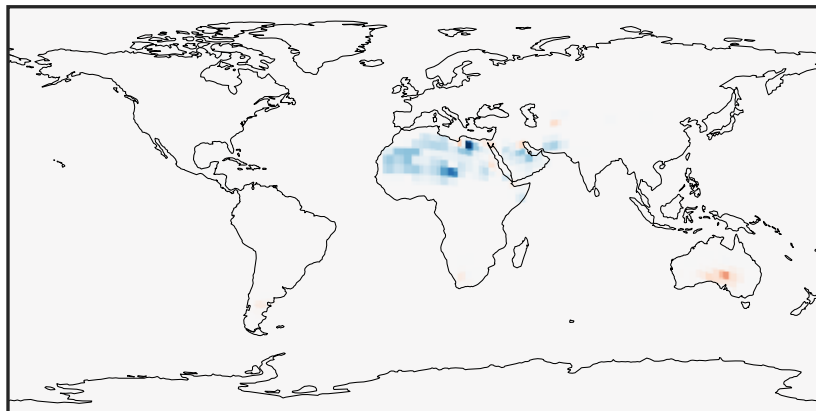
0.0 0.4 0.8 1.2 10^{-9}
 $\text{kg/m}^2/\text{s}$

GCHP_14.2.0 (Dev)
c24



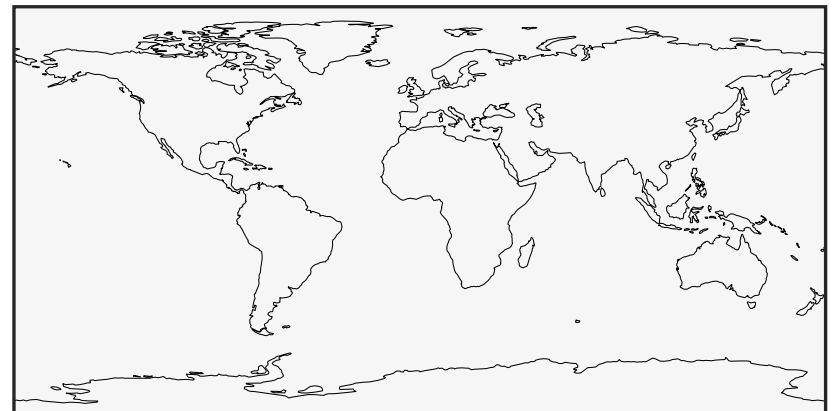
0.0 0.4 0.8 1.2 10^{-9}
 $\text{kg/m}^2/\text{s}$

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



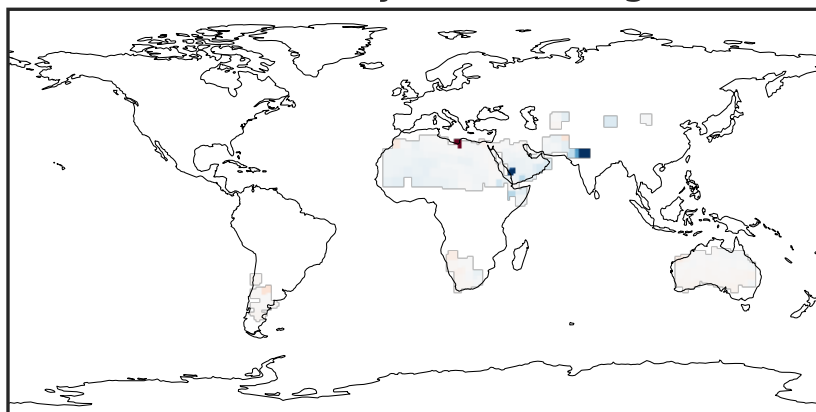
-4 0 4 10^{-14}
 $\text{kg/m}^2/\text{s}$

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



-1.0 -0.5 0.0 0.5 1.0
 $\text{kg/m}^2/\text{s}$

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



0.995674 0.997837 1.000000 1.002172 1.004345
unitless

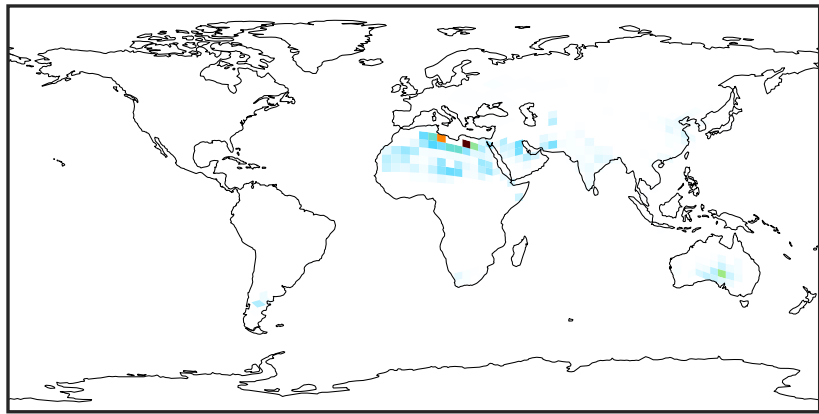
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

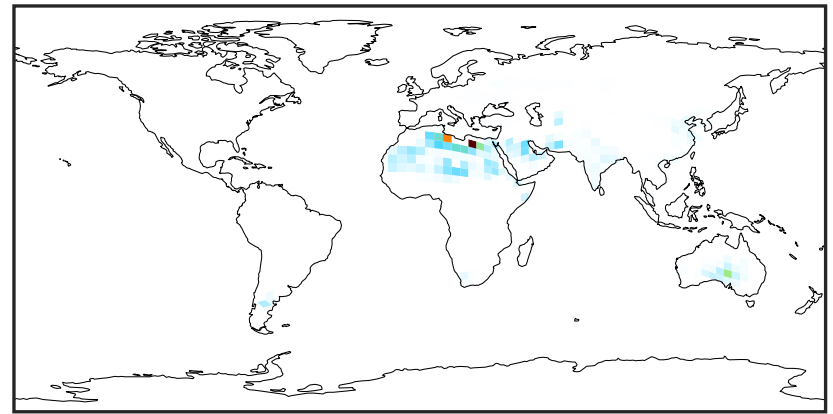
EmisDST1_Total (Jan2019)

GCHP_14.0.0 (Ref)
c24



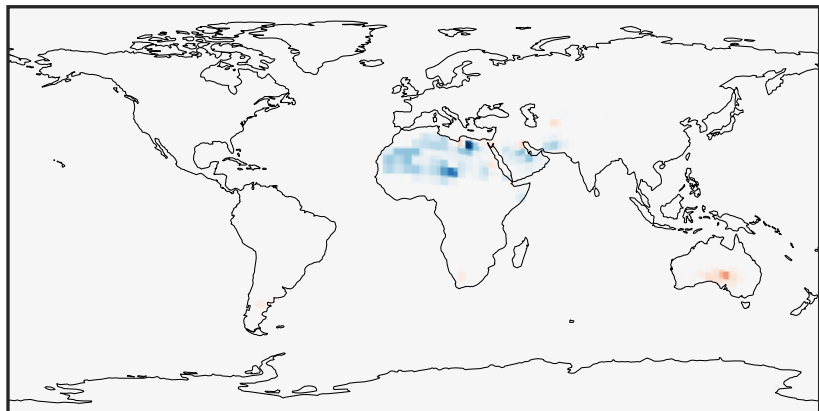
0.0 0.4 0.8 1.2 10^{-9}
kg/m²/s

GCHP_14.2.0 (Dev)
c24



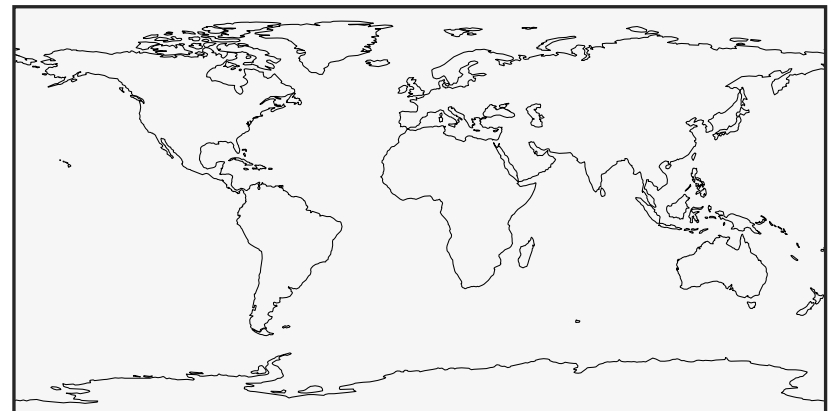
0.0 0.4 0.8 1.2 10^{-9}
kg/m²/s

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



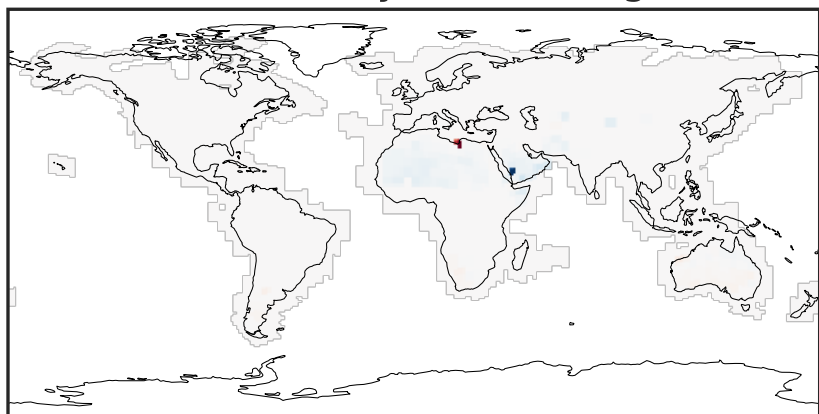
-4 0 4 10^{-14}
kg/m²/s

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



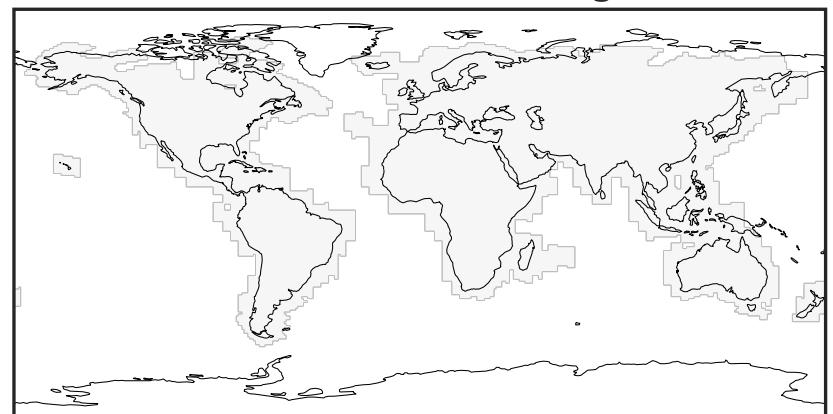
-1.0 -0.5 0.0 0.5 1.0
kg/m²/s

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



0.995740 0.997870 1.000000 1.002139 1.004278
unitless

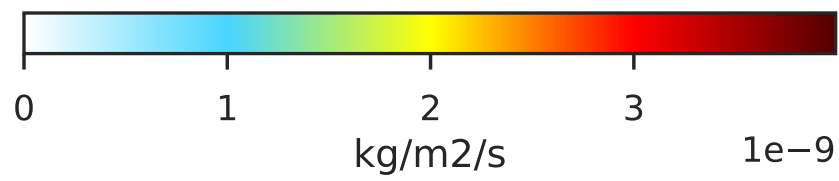
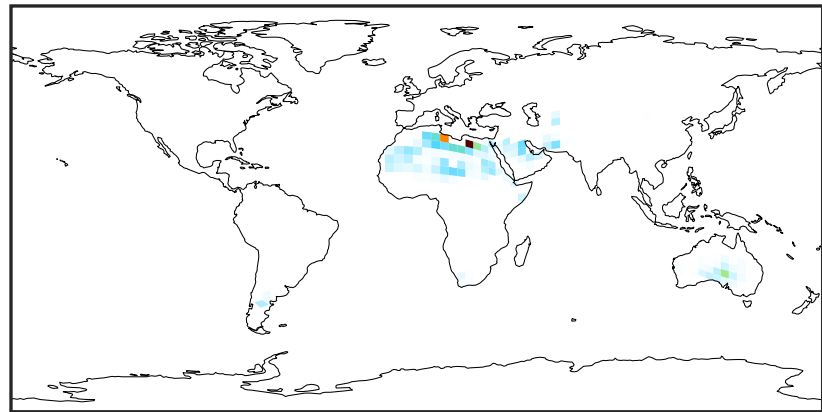
Ratio (1x1.25)
Dev/Ref, Fixed Range



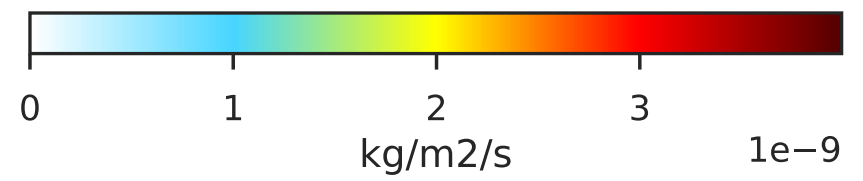
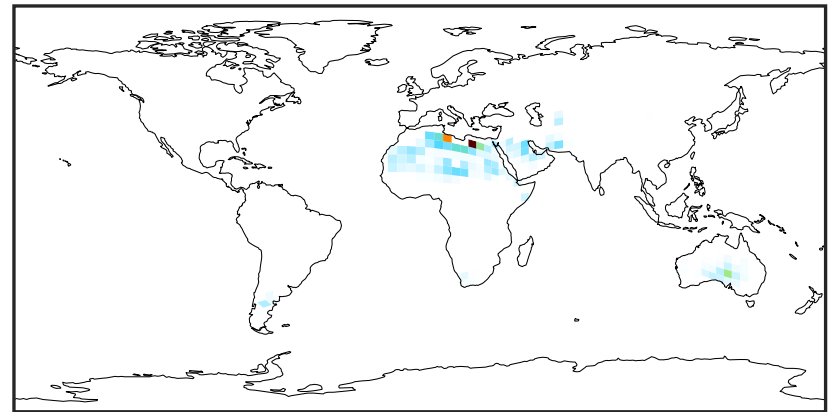
0.50 0.75 1.00 1.50 2.00
unitless

EmisDST2_Natural (Jan2019)

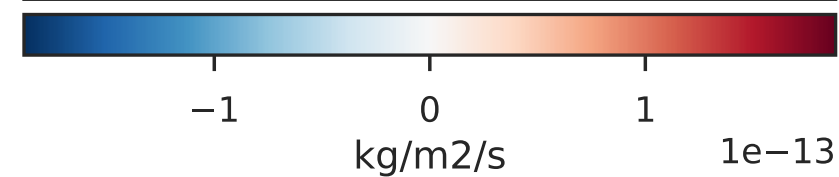
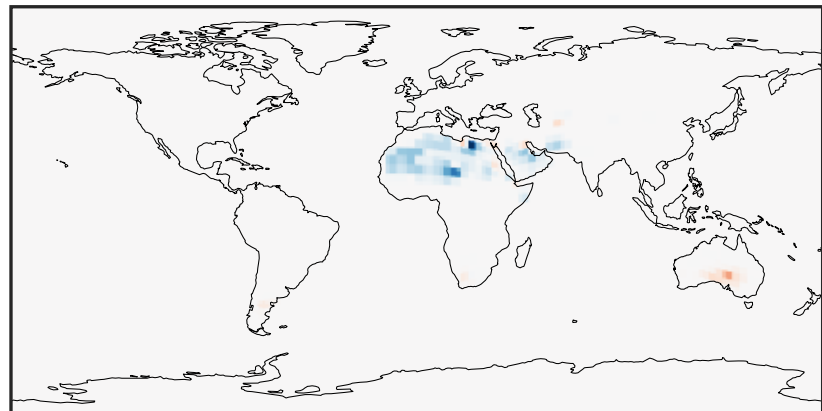
GCHP_14.0.0 (Ref)
c24



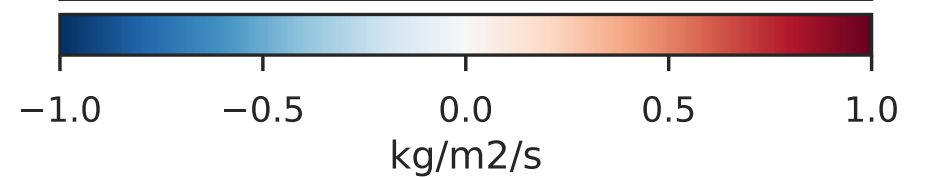
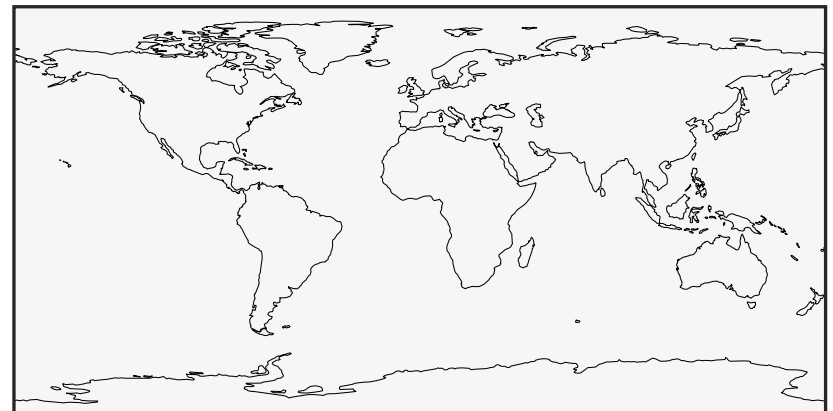
GCHP_14.2.0 (Dev)
c24



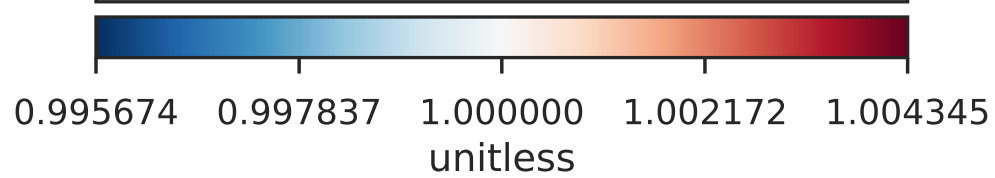
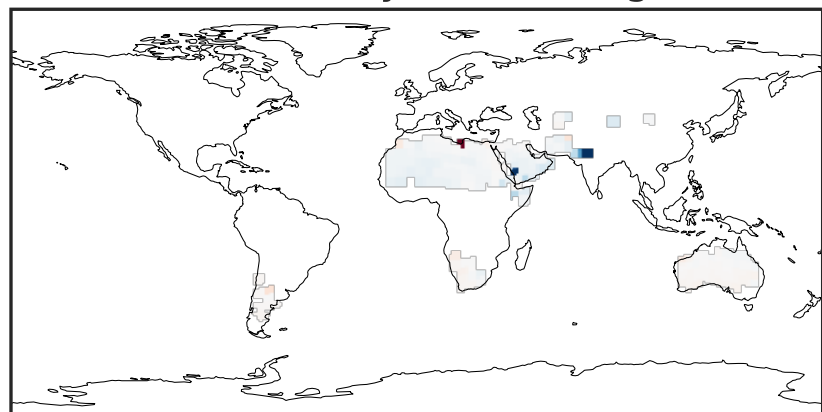
Difference (1x1.25)
Dev - Ref, Dynamic Range



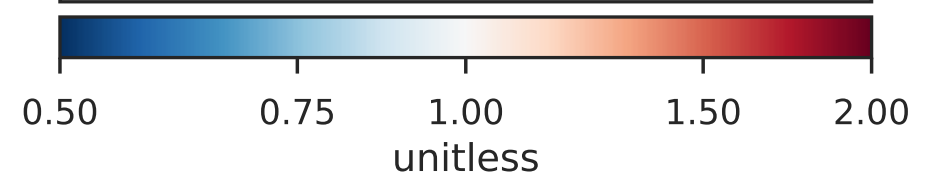
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

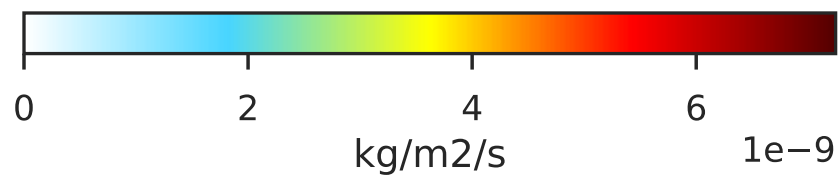
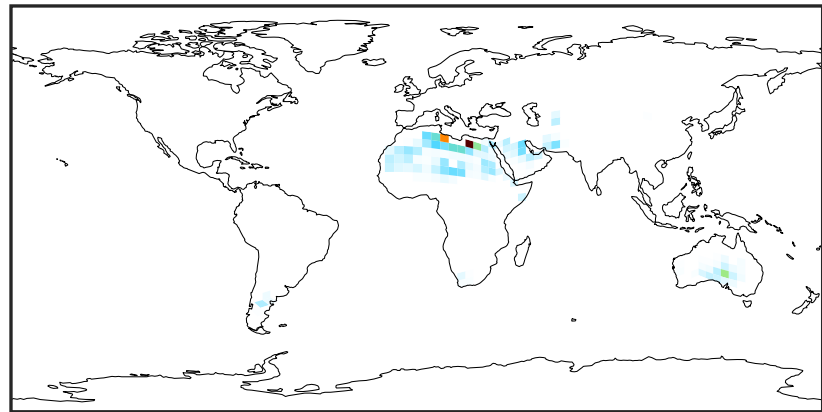


Ratio (1x1.25)
Dev/Ref, Fixed Range

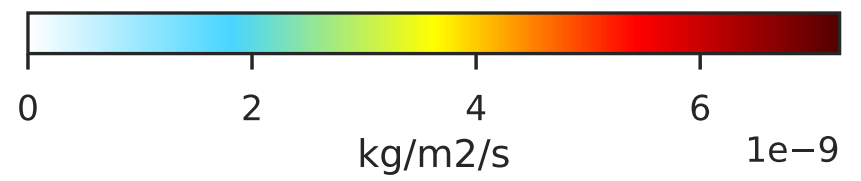
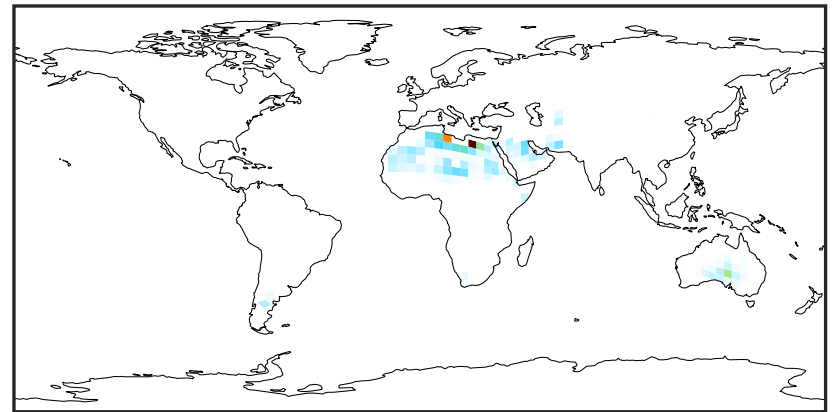


EmisDST3_Natural (Jan2019)

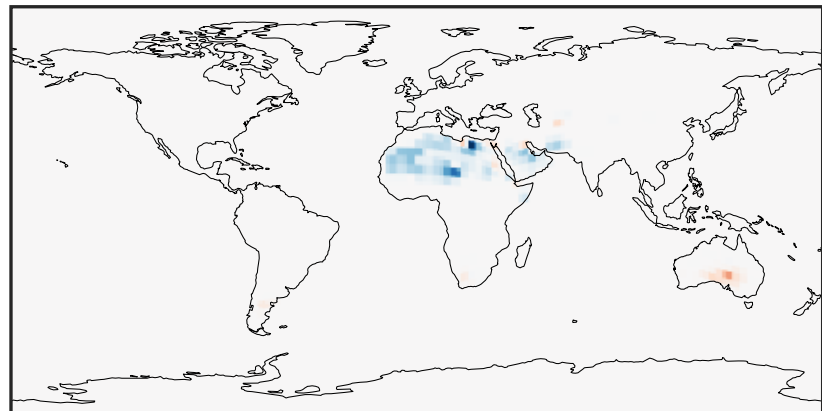
GCHP_14.0.0 (Ref)
c24



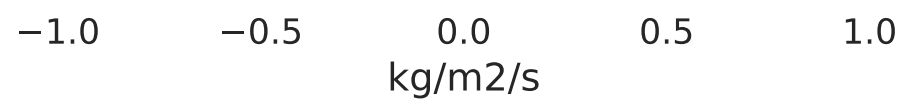
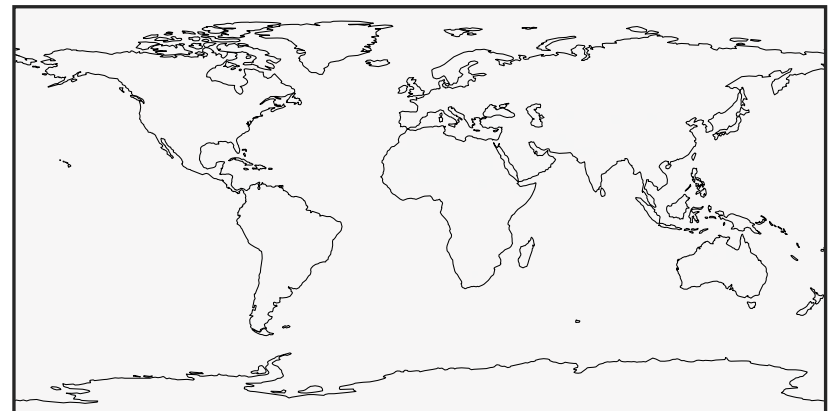
GCHP_14.2.0 (Dev)
c24



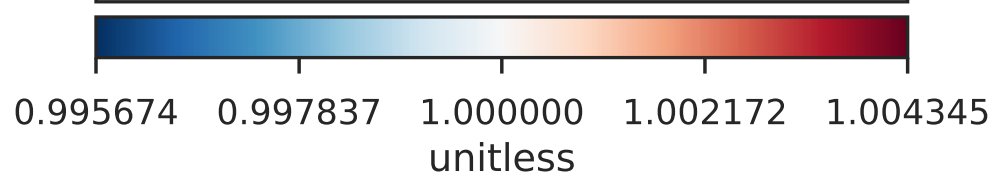
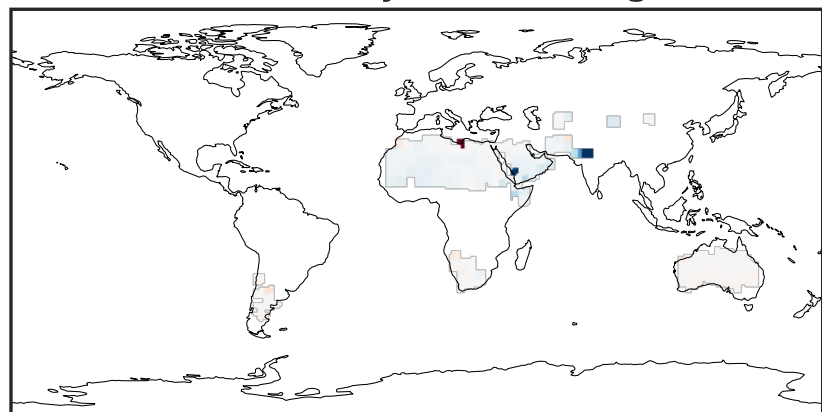
Difference (1x1.25)
Dev - Ref, Dynamic Range



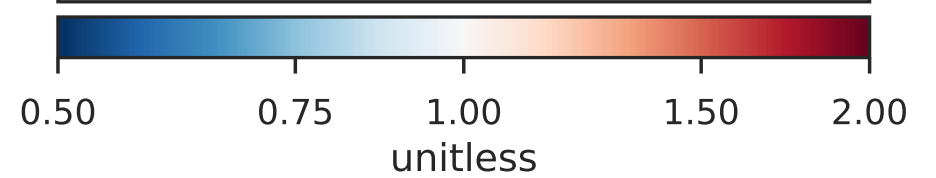
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

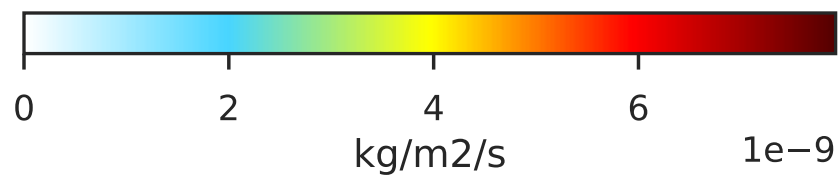
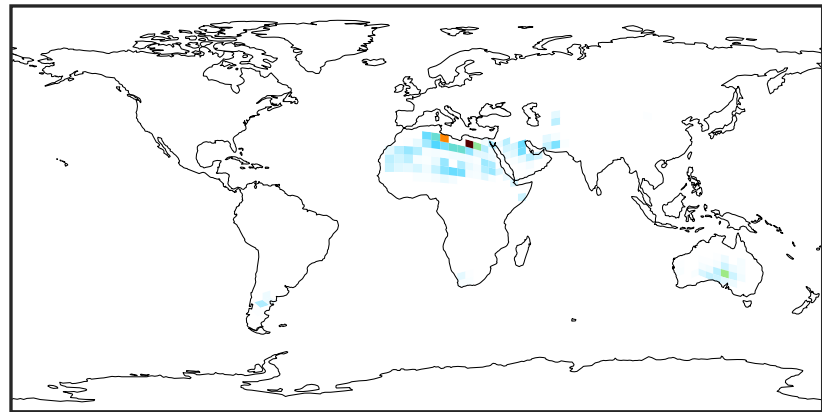


Ratio (1x1.25)
Dev/Ref, Fixed Range

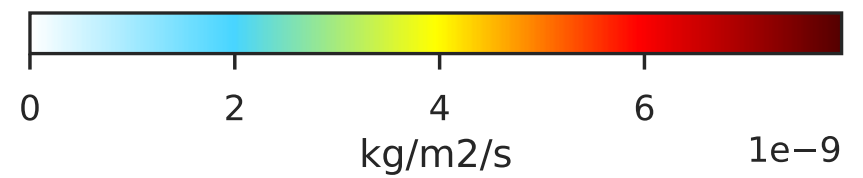
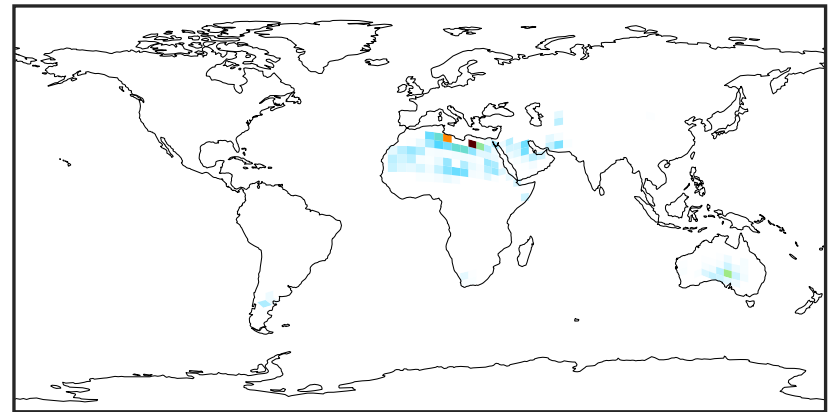


EmisDST4_Natural (Jan2019)

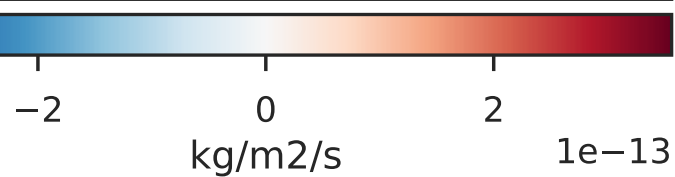
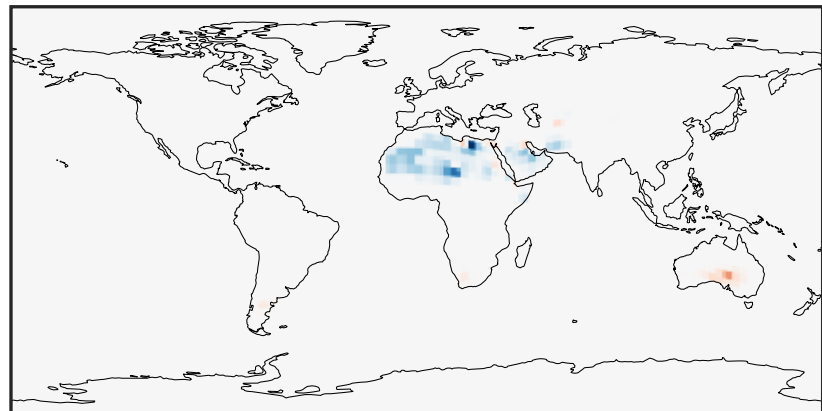
GCHP_14.0.0 (Ref)
c24



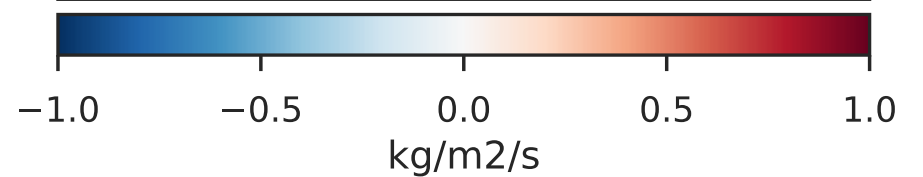
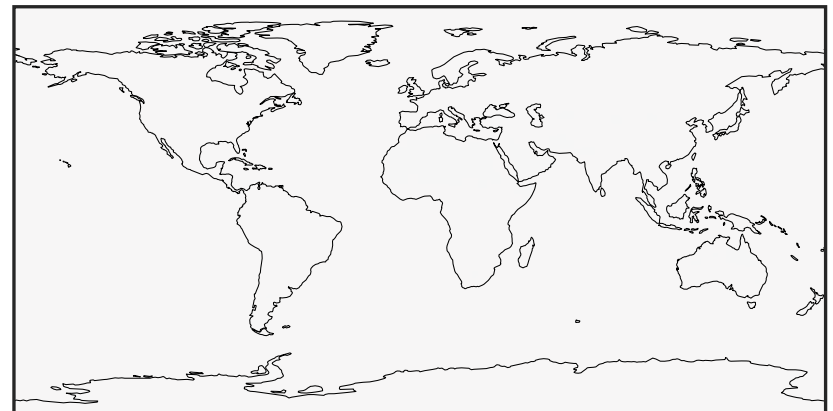
GCHP_14.2.0 (Dev)
c24



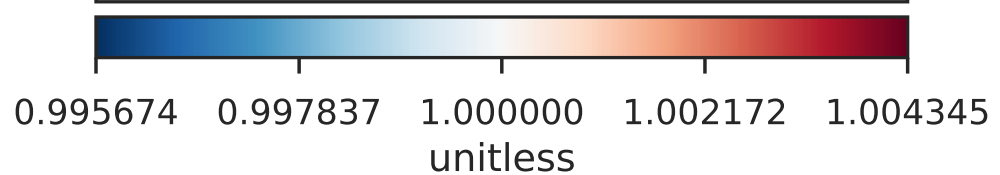
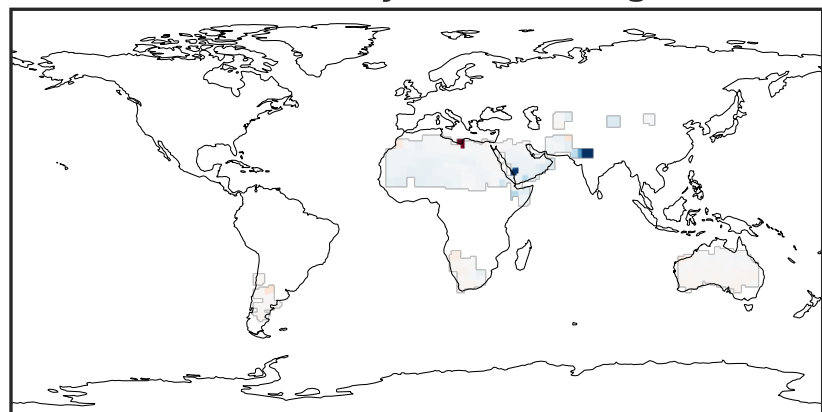
Difference (1x1.25)
Dev - Ref, Dynamic Range



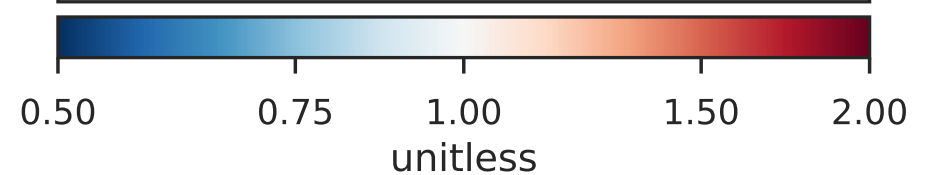
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

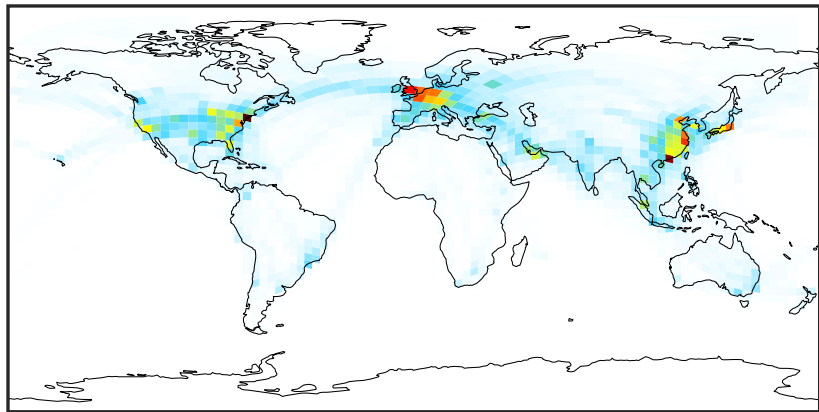


Ratio (1x1.25)
Dev/Ref, Fixed Range



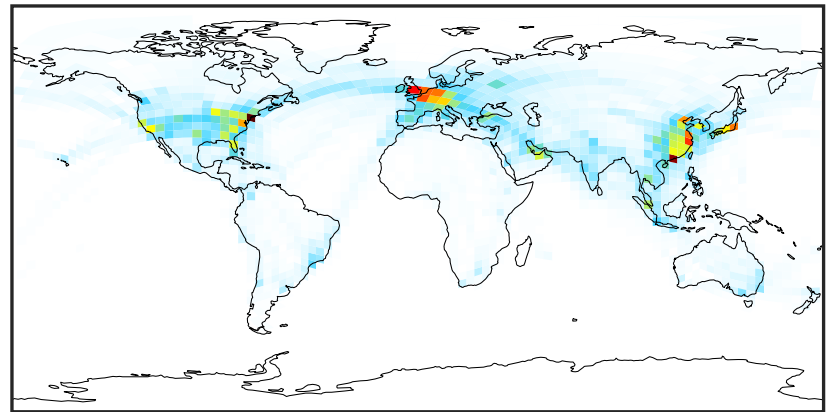
EmisSO4_Aircraft (Jan2019)

GCHP_14.0.0 (Ref)
c24



0.0 0.6 1.2 1.8
kg/m²/s 1e-14

GCHP_14.2.0 (Dev)
c24



0.0 0.6 1.2 1.8
kg/m²/s 1e-14

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



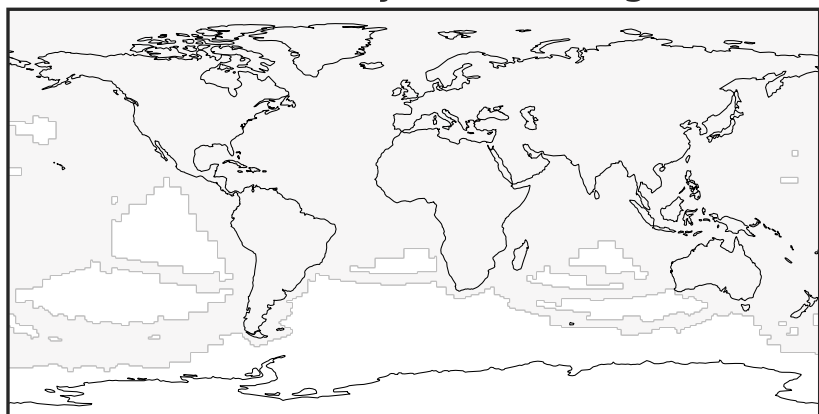
Zero throughout domain
kg/m²/s

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



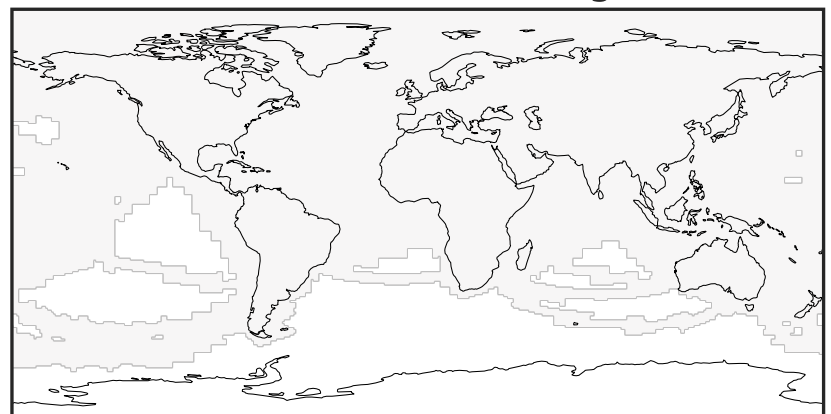
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

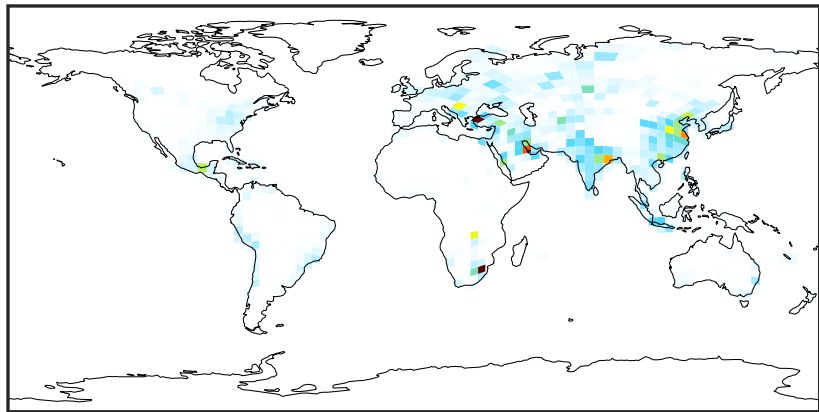
Ratio (1x1.25)
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

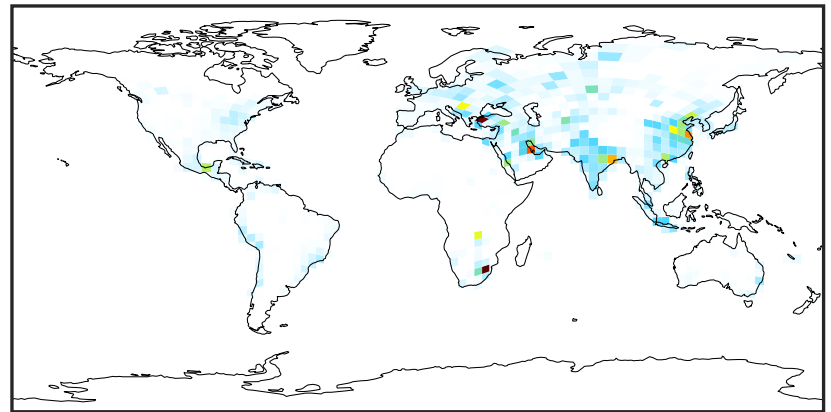
EmisSO4_Anthro (Jan2019)

GCHP_14.0.0 (Ref)
c24



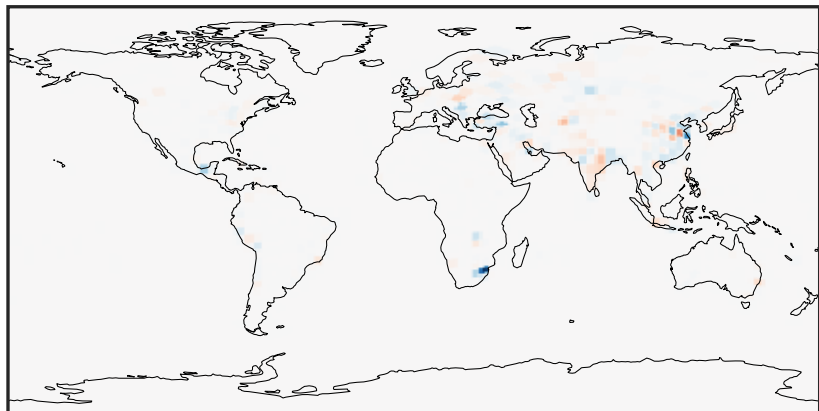
0.0 0.4 0.8 1.2 10^{-11}
kg/m²/s

GCHP_14.2.0 (Dev)
c24



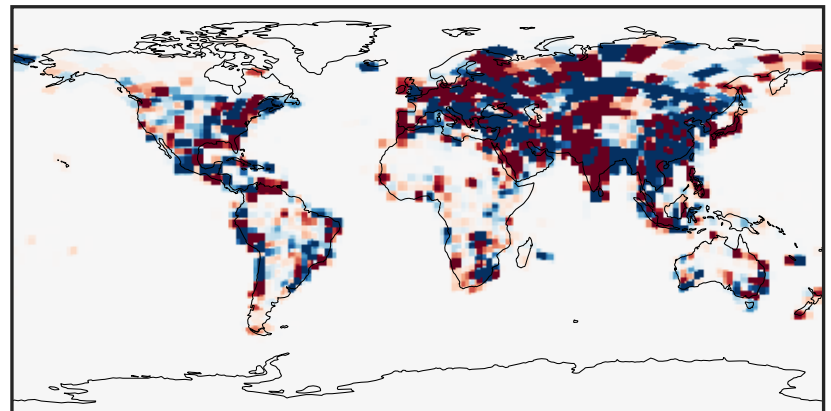
0.0 0.4 0.8 1.2 10^{-11}
kg/m²/s

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



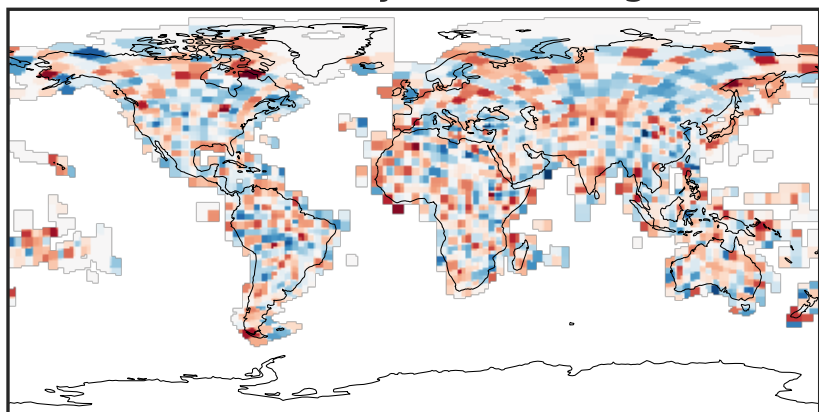
-4 0 4 10^{-16}
kg/m²/s

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



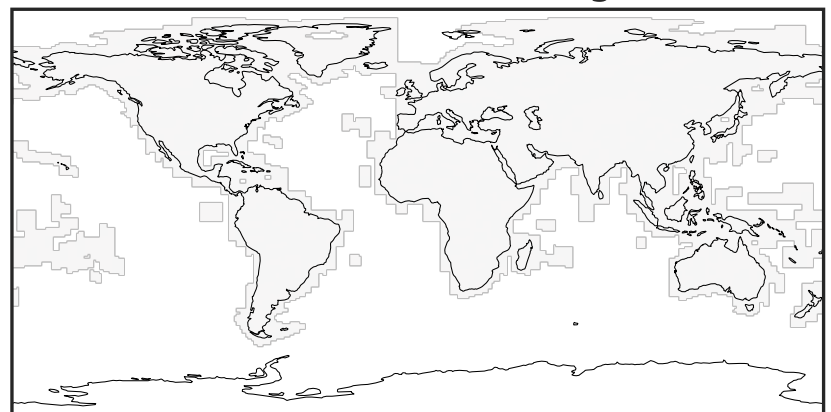
-2.5 0.0 2.5 10^{-18}
kg/m²/s

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



0.999902 1.000000 1.000098
unitless

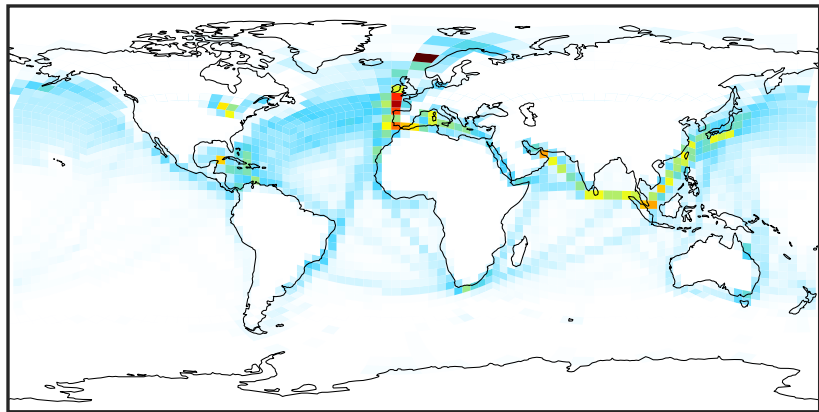
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

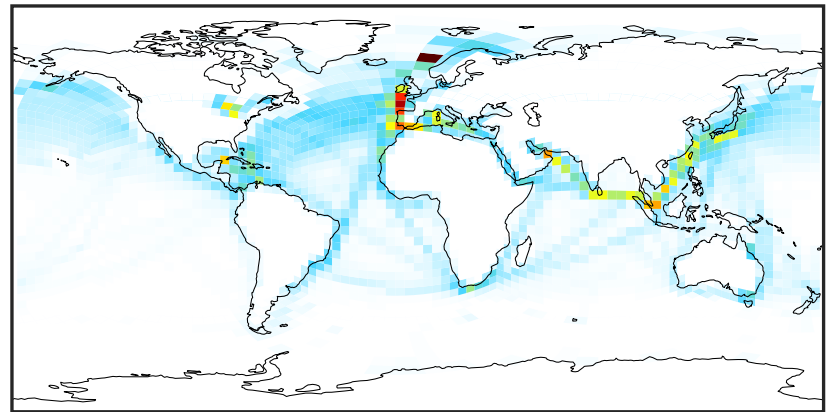
EmisSO4_Ship (Jan2019)

GCHP_14.0.0 (Ref)
c24



0.0 1.5 3.0 4.5
kg/m²/s 1e-13

GCHP_14.2.0 (Dev)
c24



0.0 1.5 3.0 4.5
kg/m²/s 1e-13

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



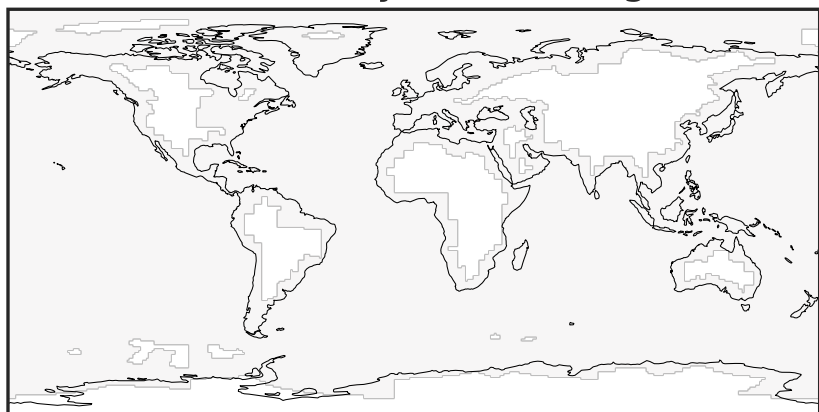
Zero throughout domain
kg/m²/s

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



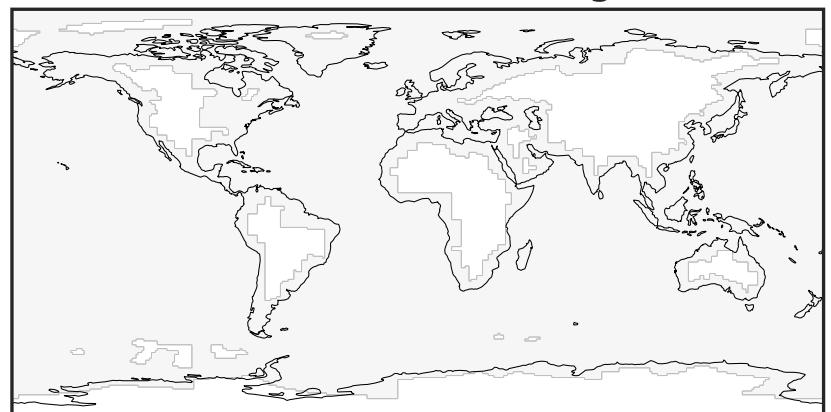
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

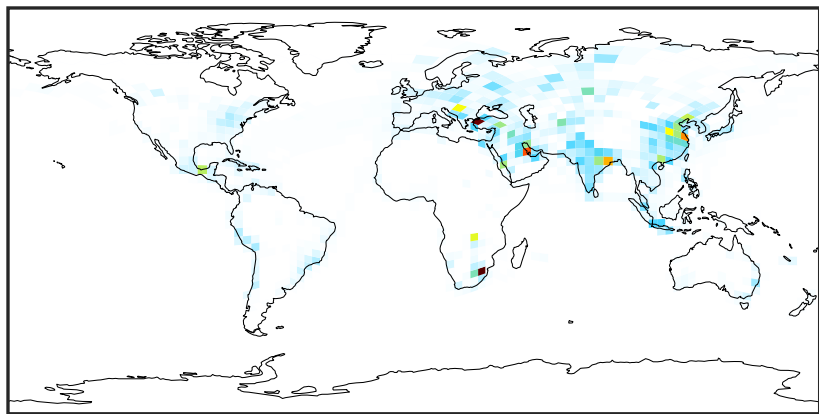
Ratio (1x1.25)
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

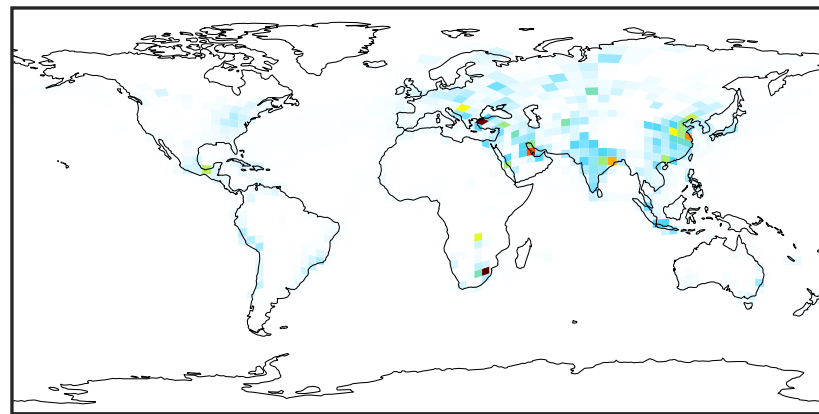
EmisSO4_Total (Jan2019)

GCHP_14.0.0 (Ref)
c24



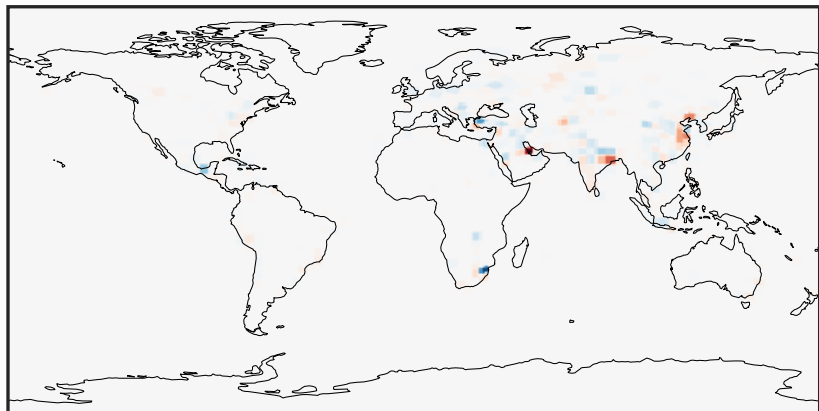
0.0 0.4 0.8 1.2 10^{-11}
kg/m²/s

GCHP_14.2.0 (Dev)
c24



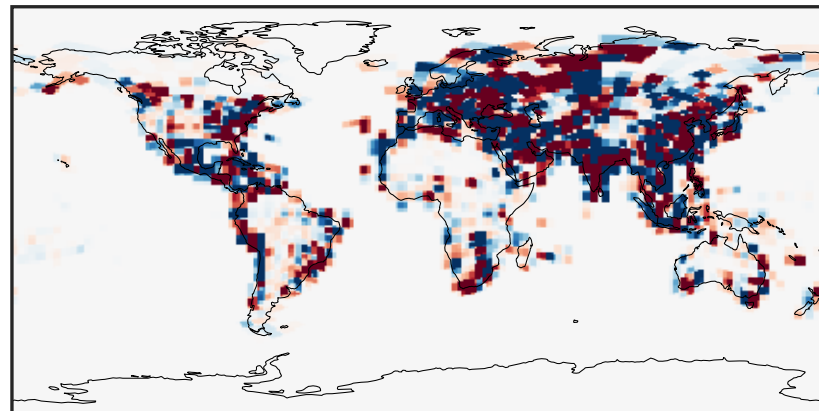
0.0 0.4 0.8 1.2 10^{-11}
kg/m²/s

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



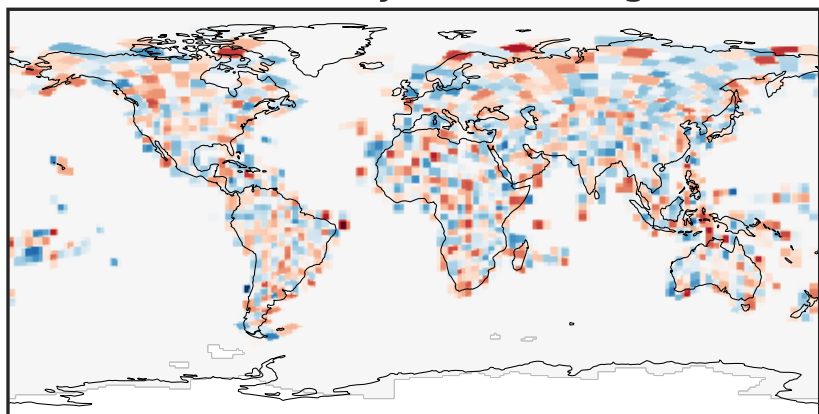
-4 0 4 10^{-16}
kg/m²/s

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



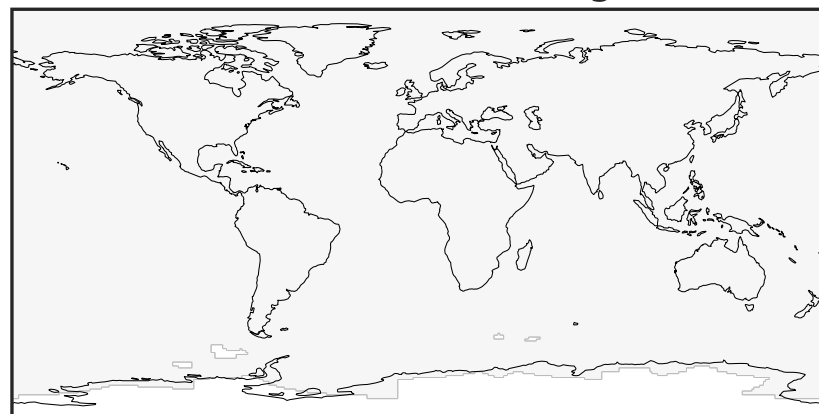
-3 0 3 10^{-18}
kg/m²/s

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



0.9998822 1.000000 1.0001178
unitless

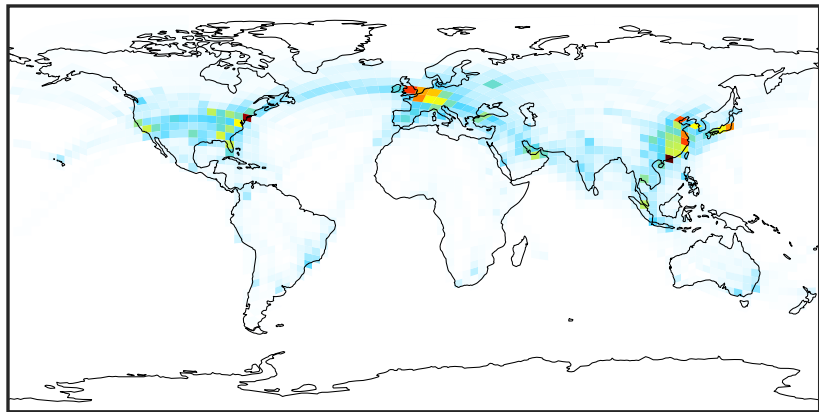
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

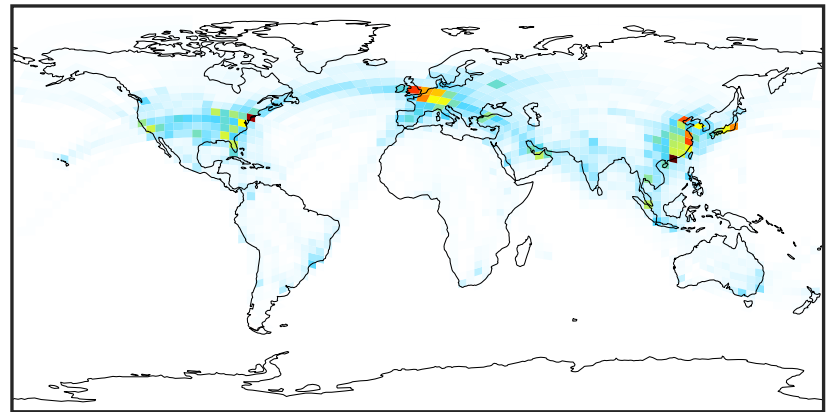
EmisBCPI_Aircraft (Jan2019)

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



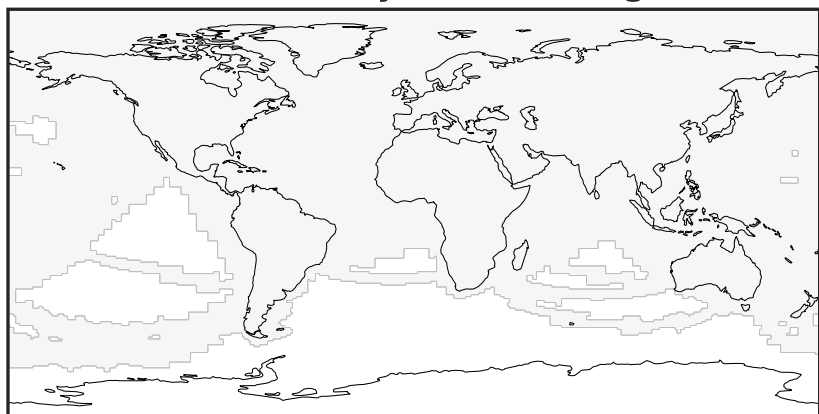
Zero throughout domain
kg/m²/s

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



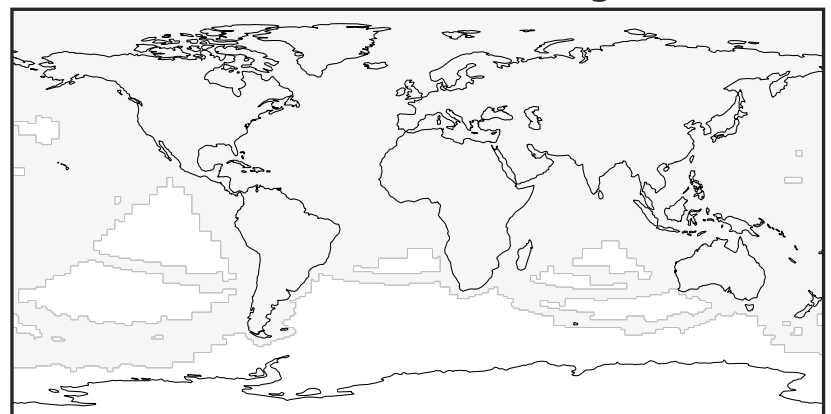
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

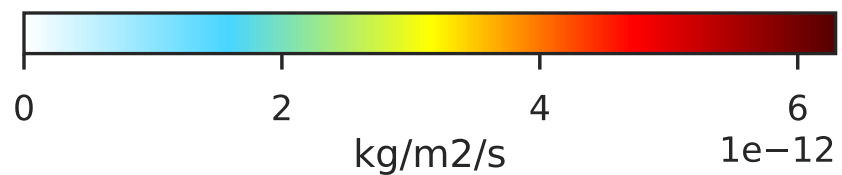
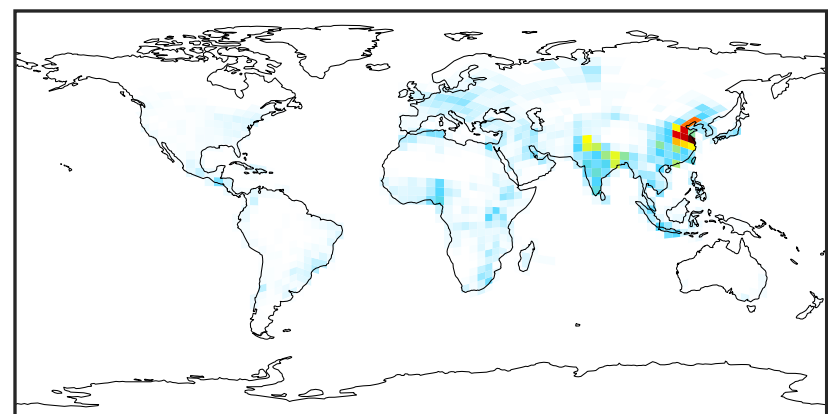
Ratio (1x1.25)
Dev/Ref, Fixed Range



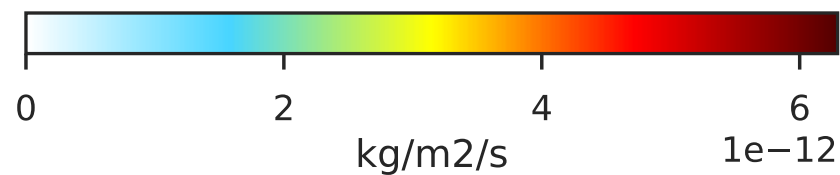
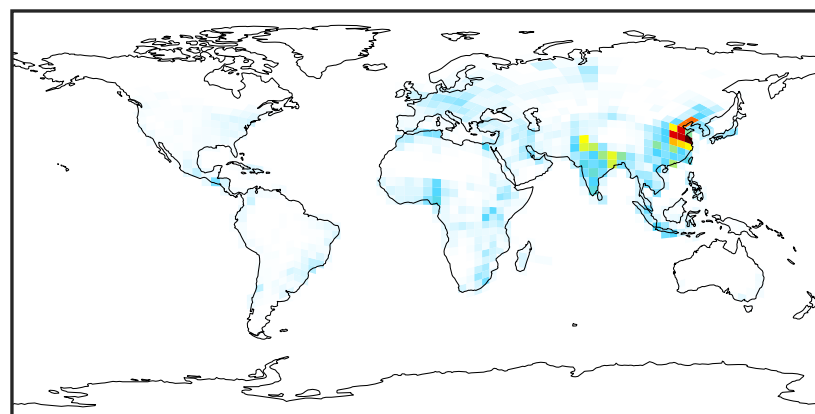
Ref and Dev equal throughout domain
unitless

EmisBCPI_Anthro (Jan2019)

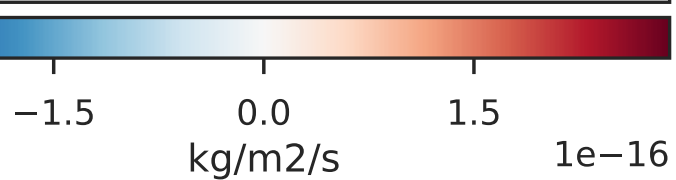
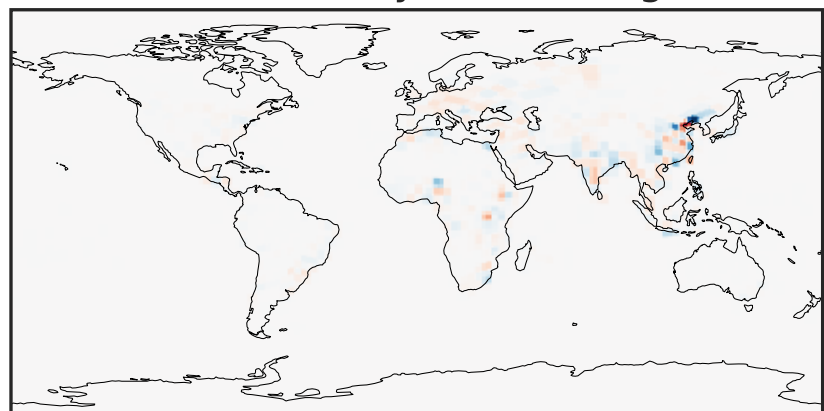
GCHP_14.0.0 (Ref)
c24



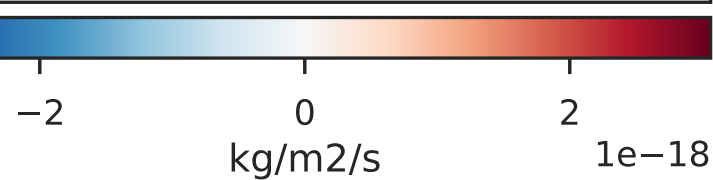
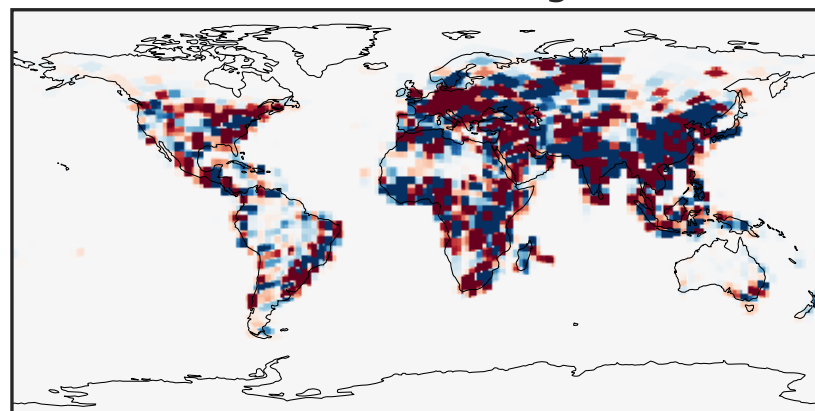
GCHP_14.2.0 (Dev)
c24



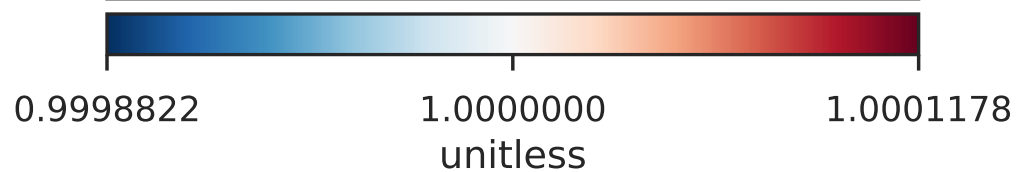
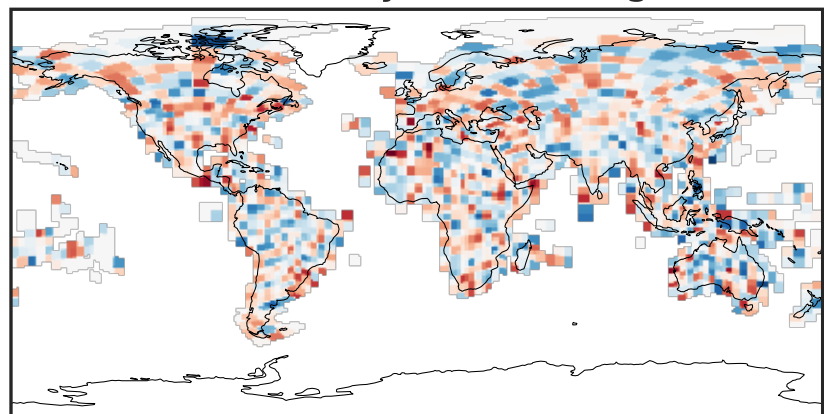
Difference (1x1.25)
Dev - Ref, Dynamic Range



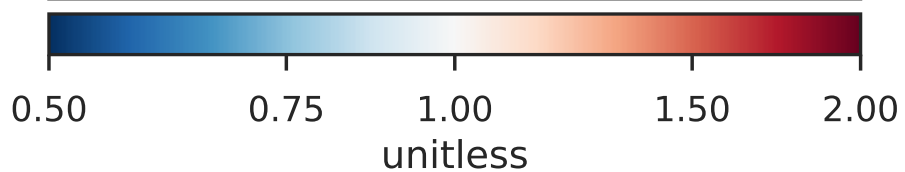
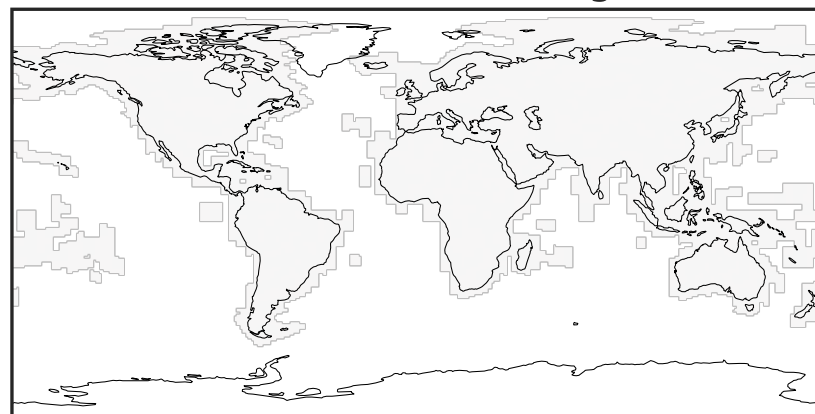
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

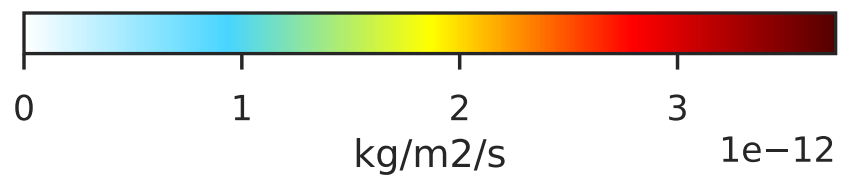
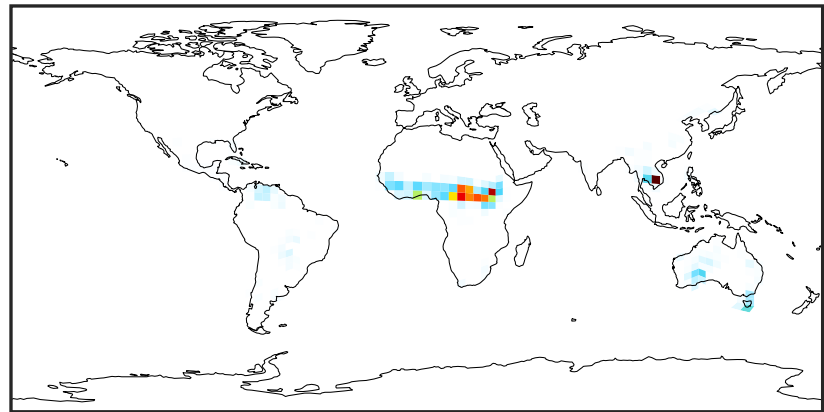


Ratio (1x1.25)
Dev/Ref, Fixed Range

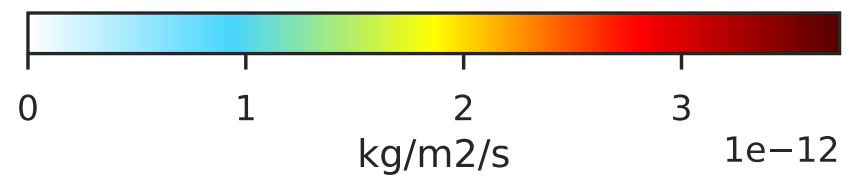
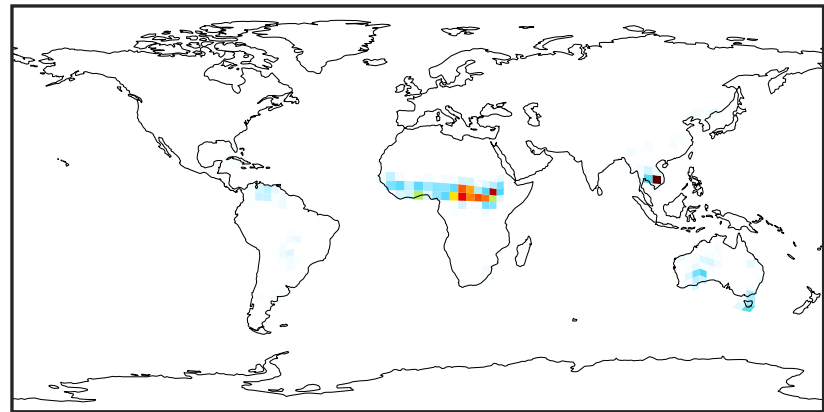


EmisBCPI_BioBurn (Jan2019)

GCHP_14.0.0 (Ref)
c24



GCHP_14.2.0 (Dev)
c24

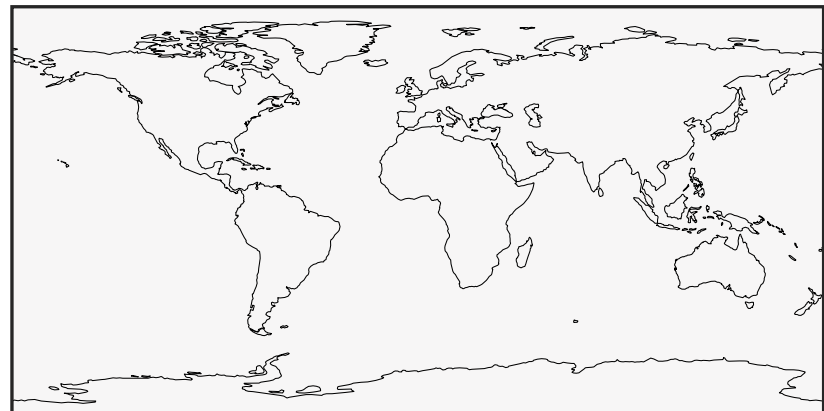


Difference (1x1.25)
Dev - Ref, Dynamic Range



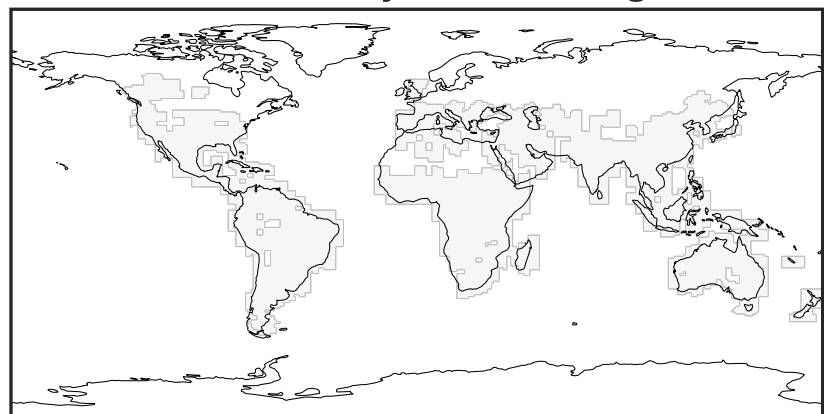
Zero throughout domain
kg/m²/s

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



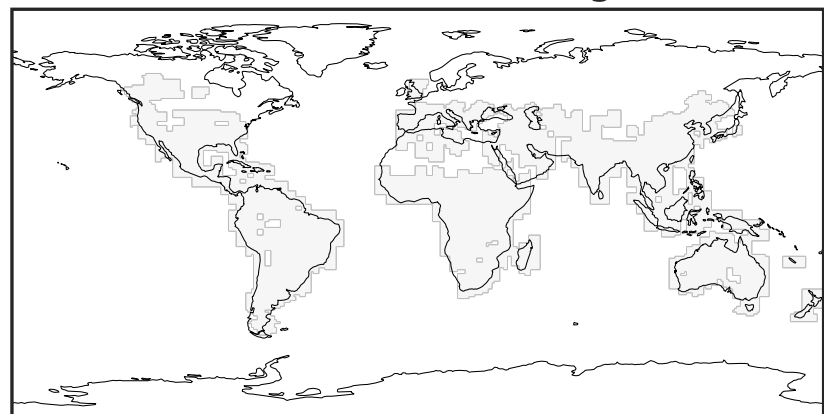
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

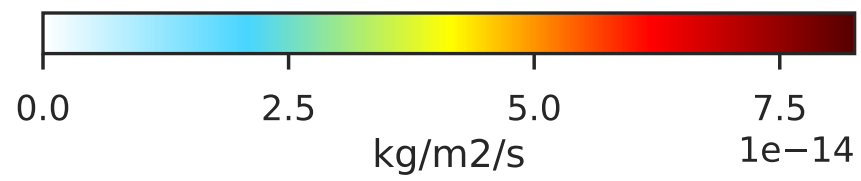
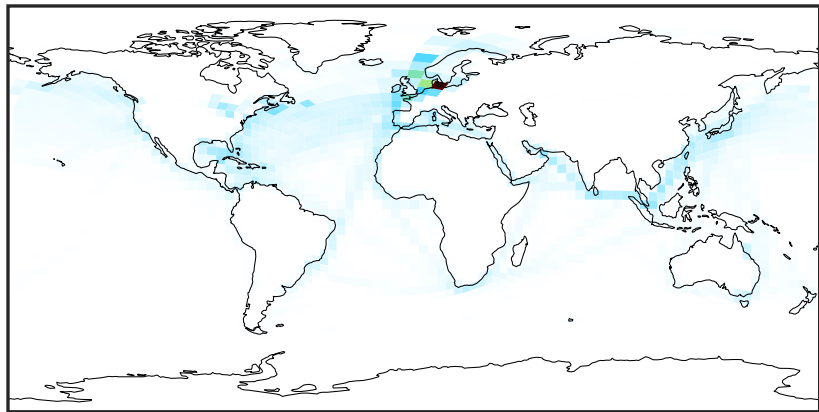
Ratio (1x1.25)
Dev/Ref, Fixed Range



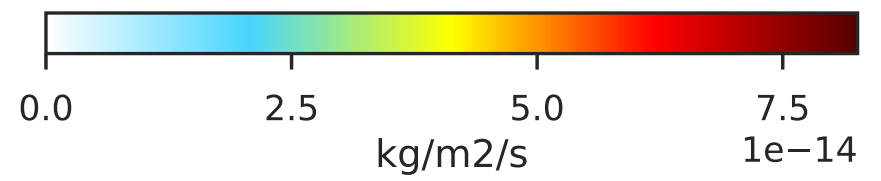
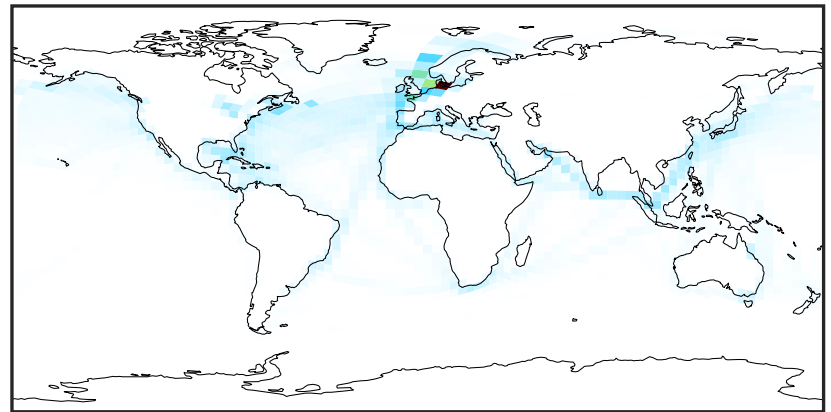
Ref and Dev equal throughout domain
unitless

EmisBCPI_Ship (Jan2019)

GCHP_14.0.0 (Ref)
c24



GCHP_14.2.0 (Dev)
c24



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



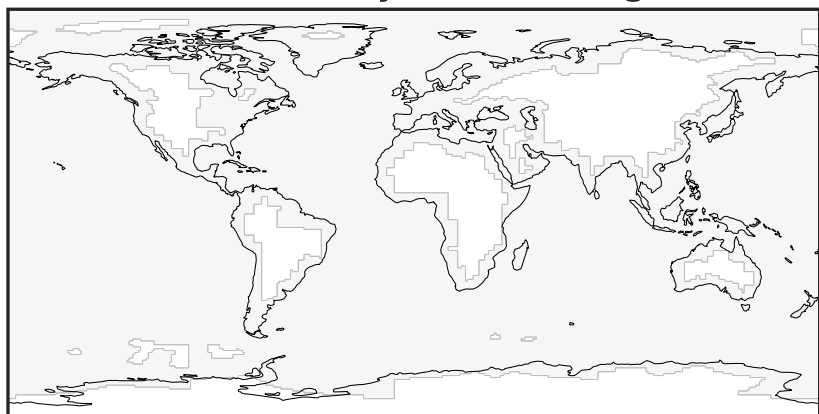
Zero throughout domain
kg/m²/s

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



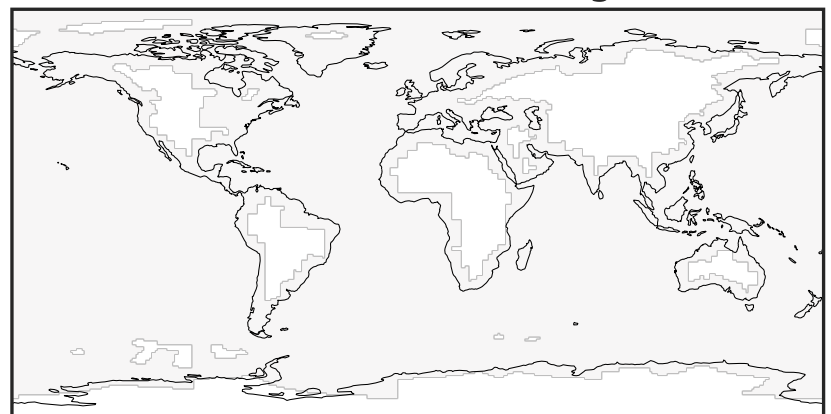
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

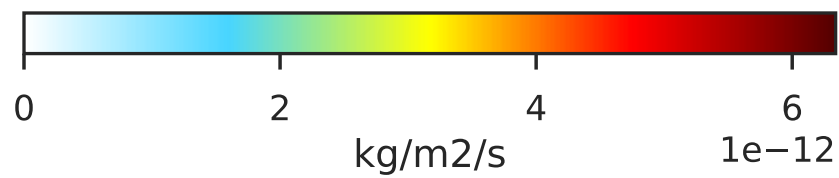
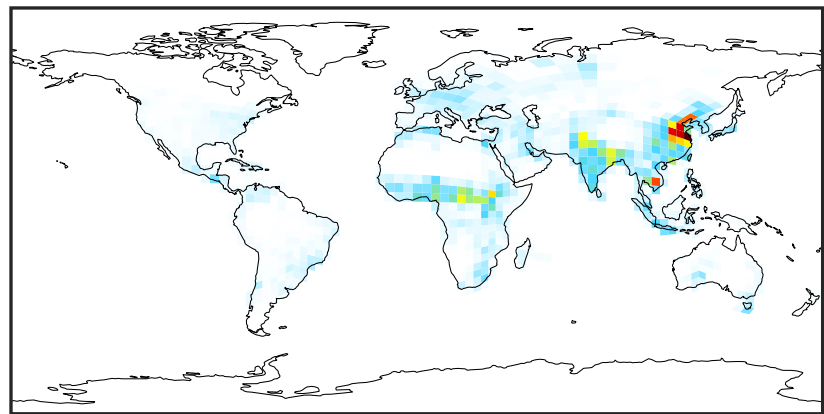
Ratio (1x1.25)
Dev/Ref, Fixed Range



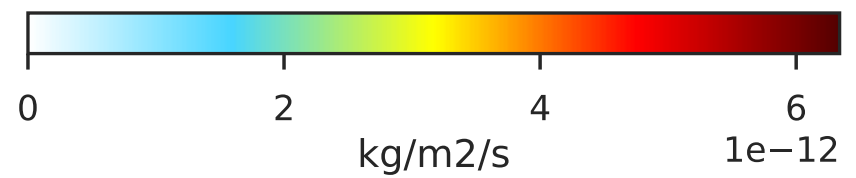
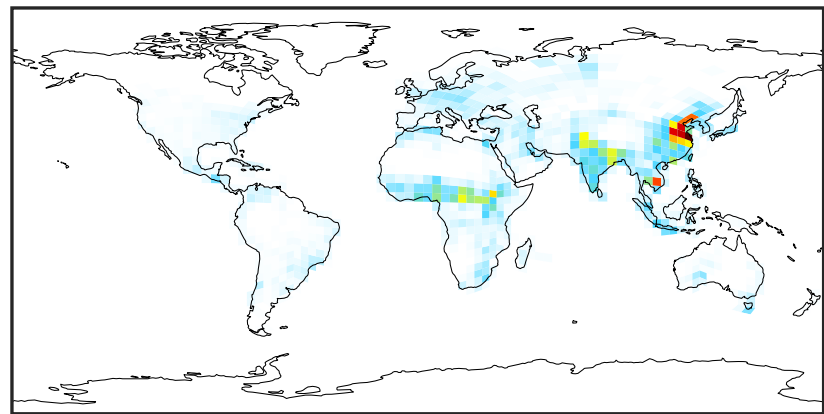
Ref and Dev equal throughout domain
unitless

EmisBCPI_Total (Jan2019)

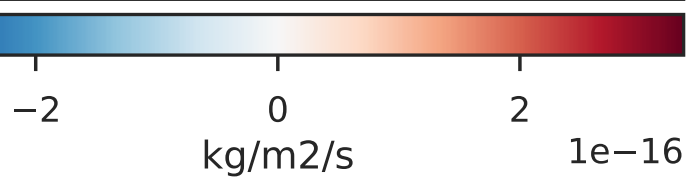
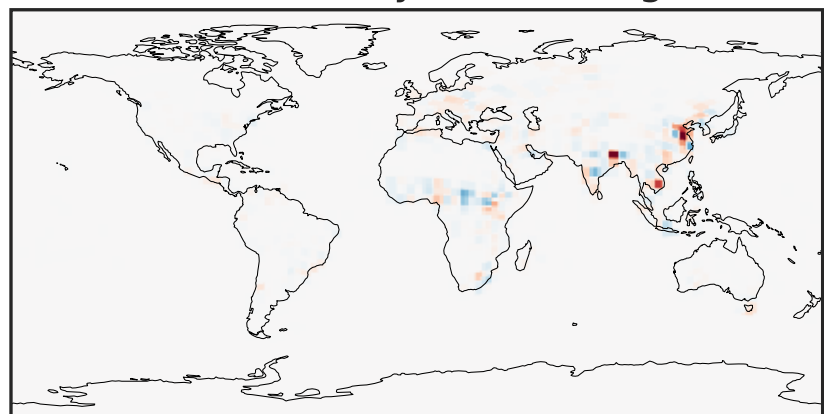
GCHP_14.0.0 (Ref)
c24



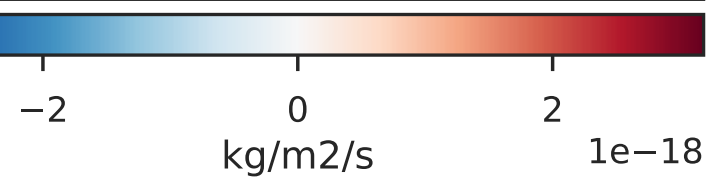
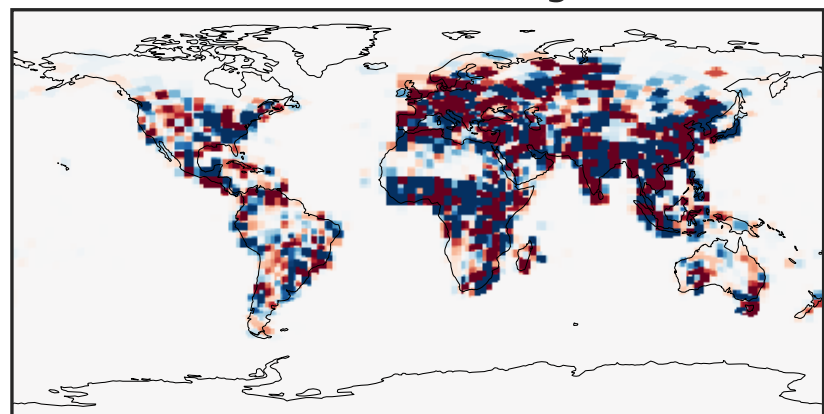
GCHP_14.2.0 (Dev)
c24



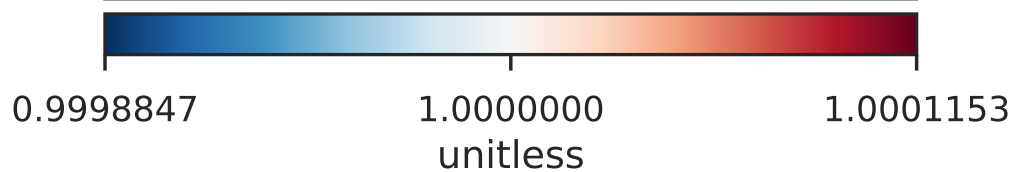
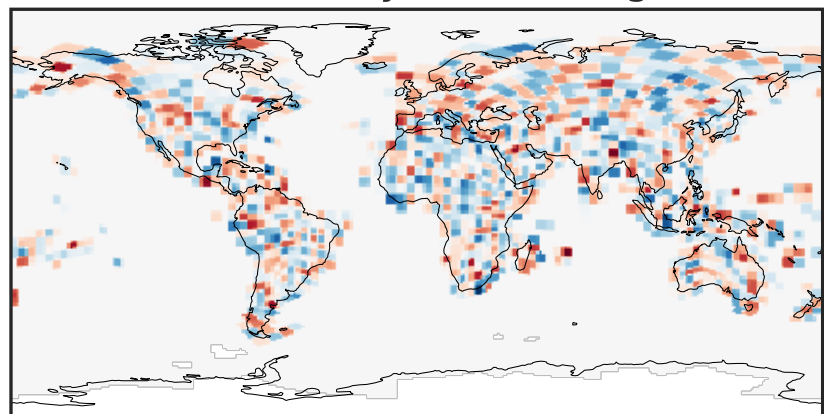
Difference (1x1.25)
Dev - Ref, Dynamic Range



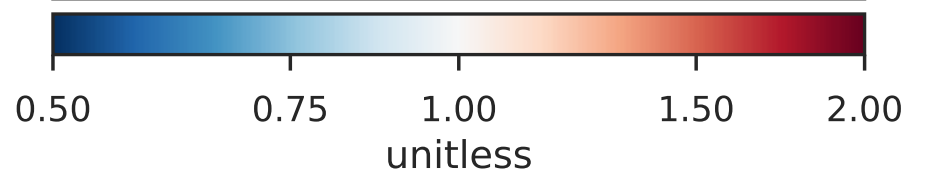
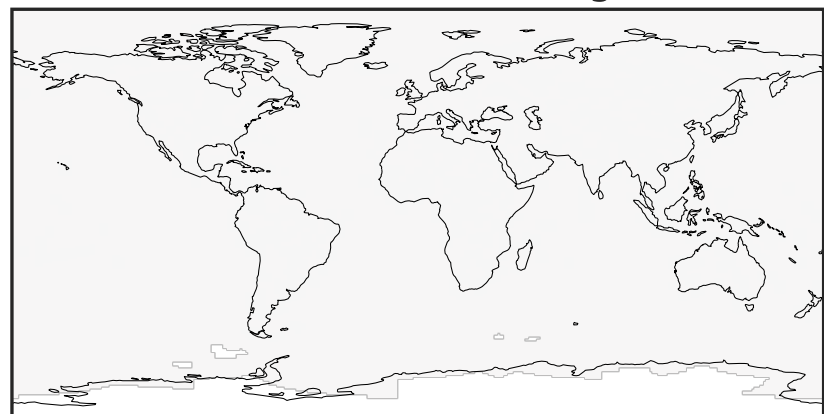
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

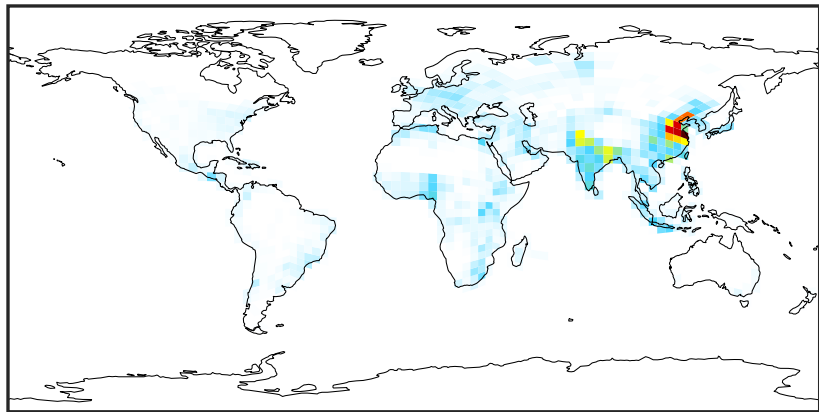


Ratio (1x1.25)
Dev/Ref, Fixed Range



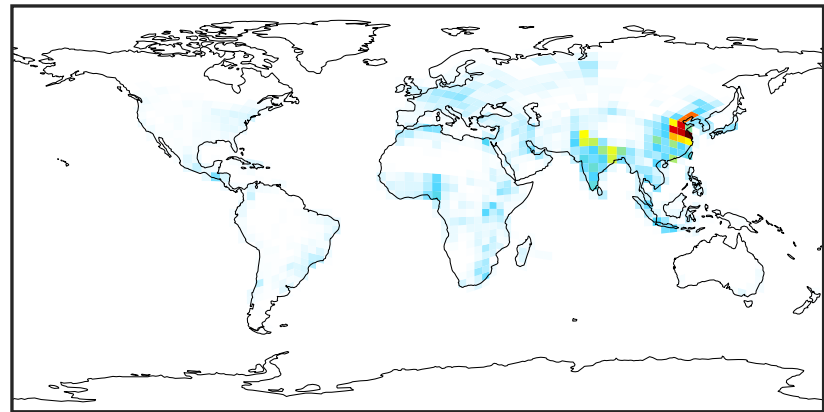
EmisBCPO_Anthro (Jan2019)

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



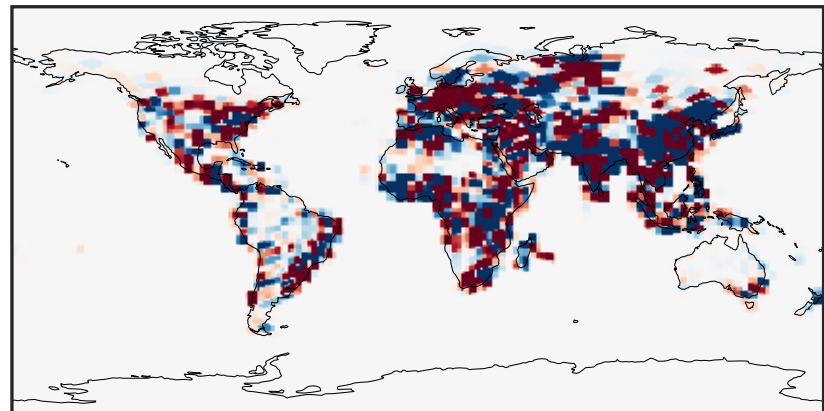
0.0 0.8 1.6 2.4
kg/m²/s 1e-11

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



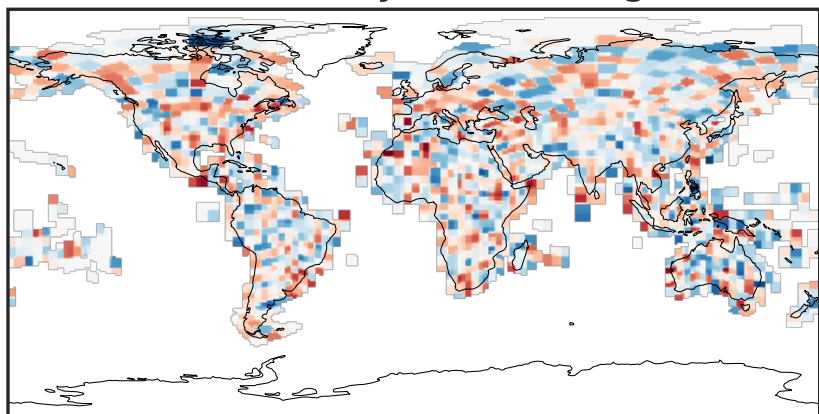
-6 0 6
kg/m²/s 1e-16

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



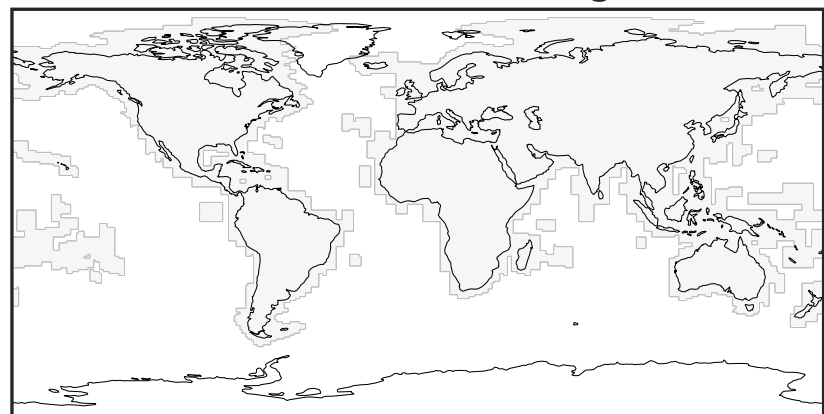
-8 0 8
kg/m²/s 1e-18

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



0.9998822 1.000000 1.0001178
unitless

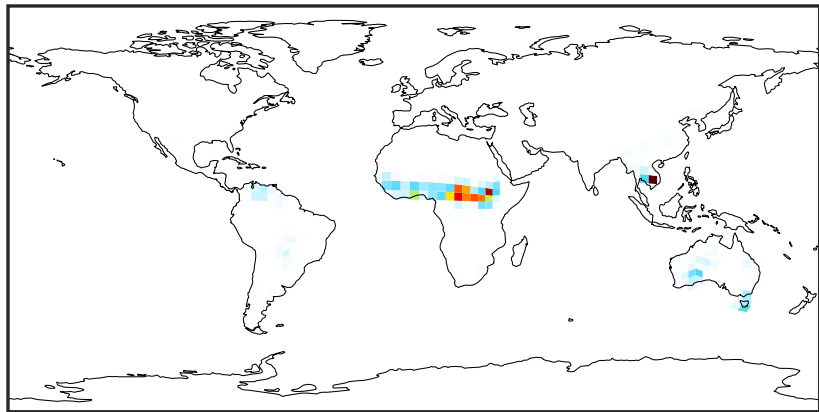
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

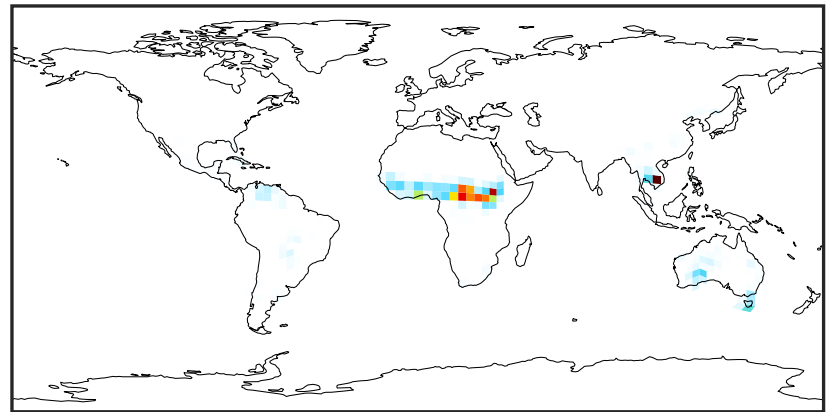
EmisBCPO_BioBurn (Jan2019)

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



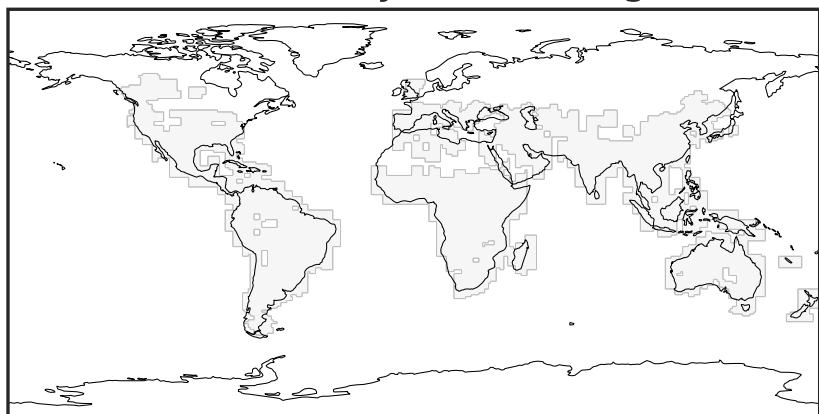
Zero throughout domain
kg/m2/s

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

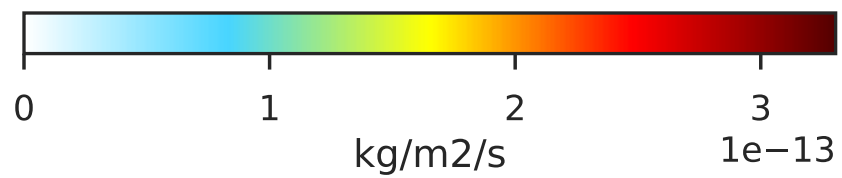
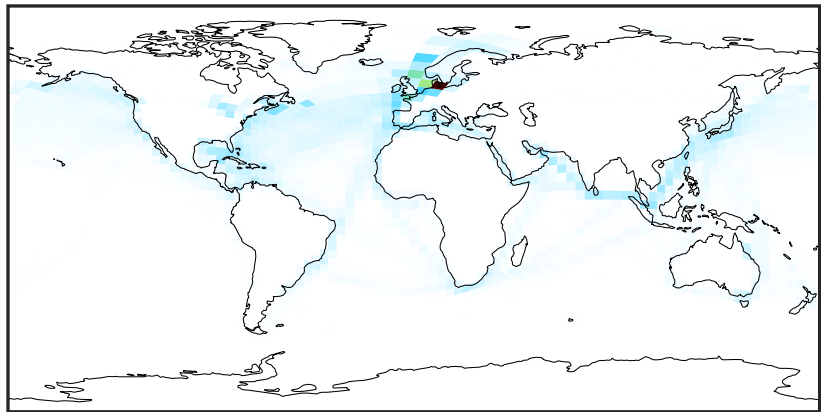
Ratio (1x1.25)
Dev/Ref, Fixed Range



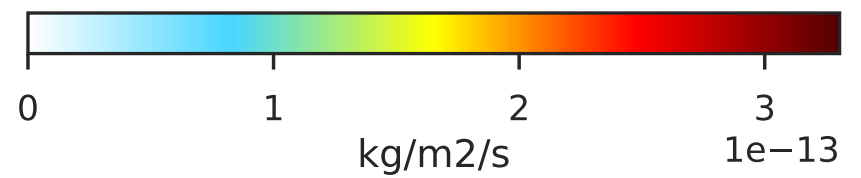
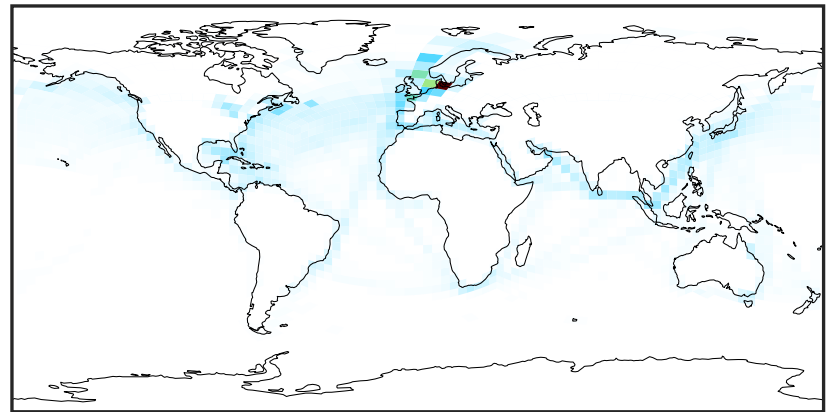
Ref and Dev equal throughout domain
unitless

EmisBCPO_Ship (Jan2019)

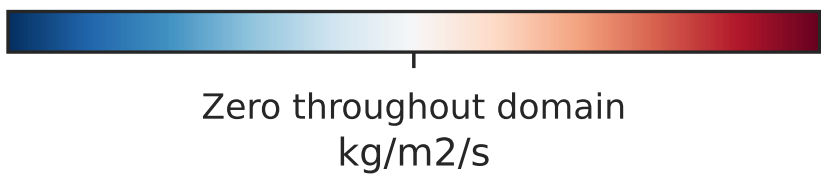
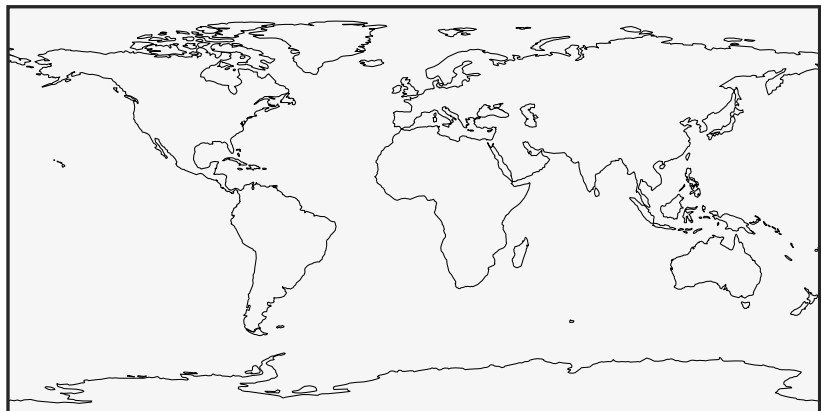
GCHP_14.0.0 (Ref)
c24



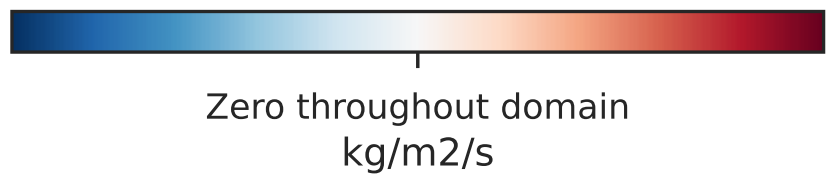
GCHP_14.2.0 (Dev)
c24



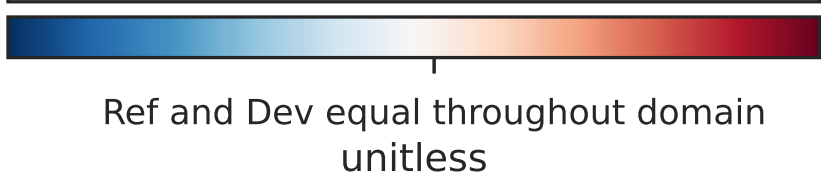
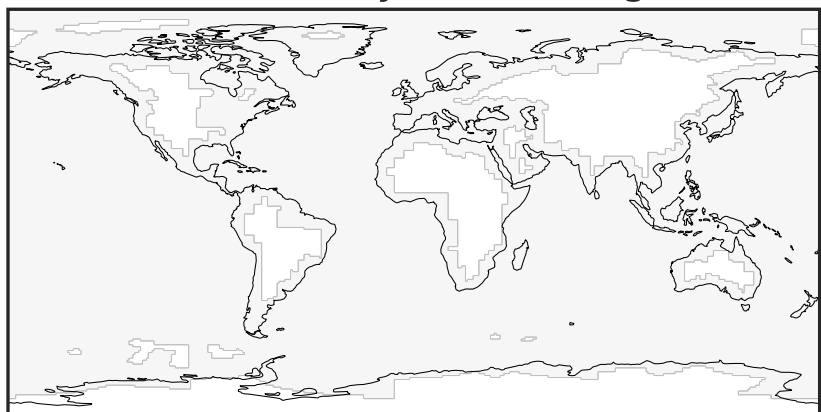
Difference (1x1.25)
Dev - Ref, Dynamic Range



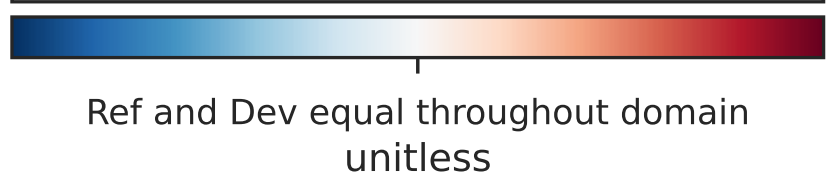
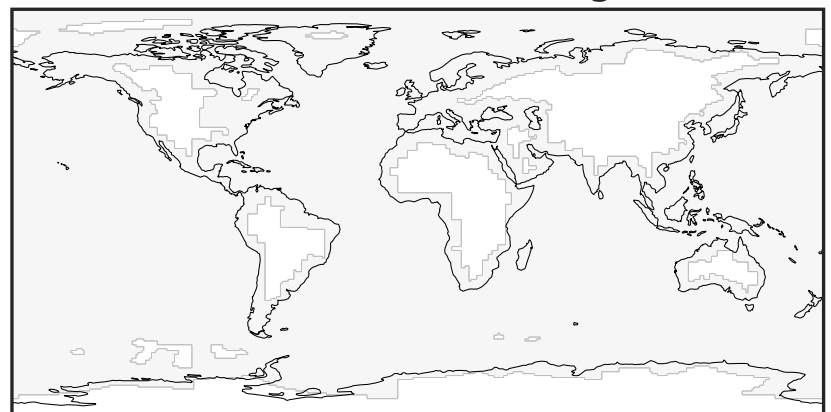
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

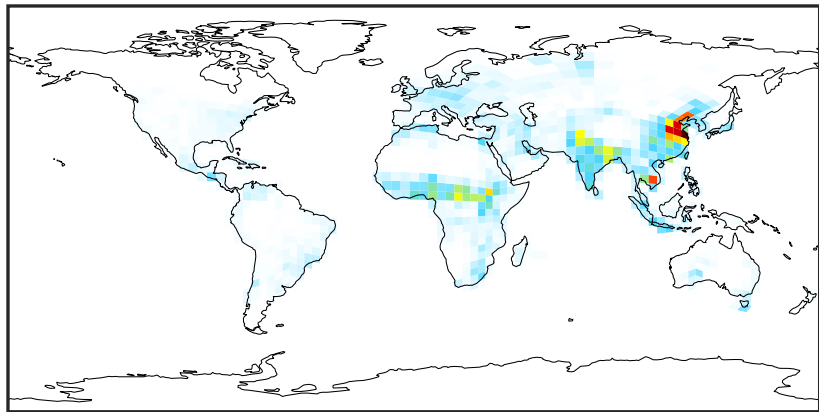


Ratio (1x1.25)
Dev/Ref, Fixed Range



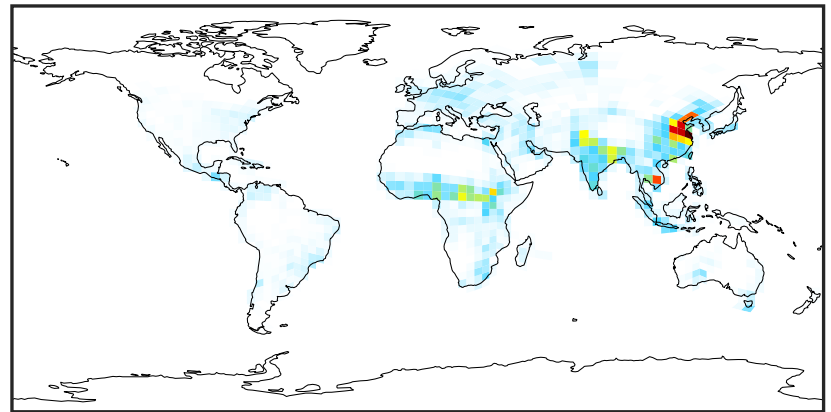
EmisBCPO_Total (Jan2019)

GCHP_14.0.0 (Ref)
c24



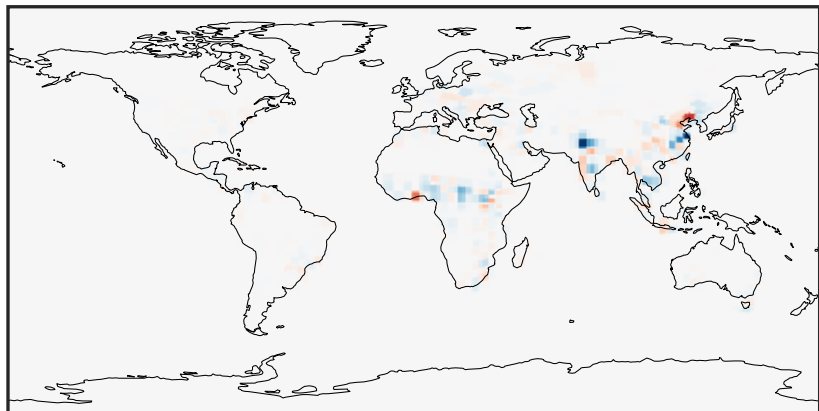
0.0 0.8 1.6 2.4
kg/m2/s $1e-11$

GCHP_14.2.0 (Dev)
c24



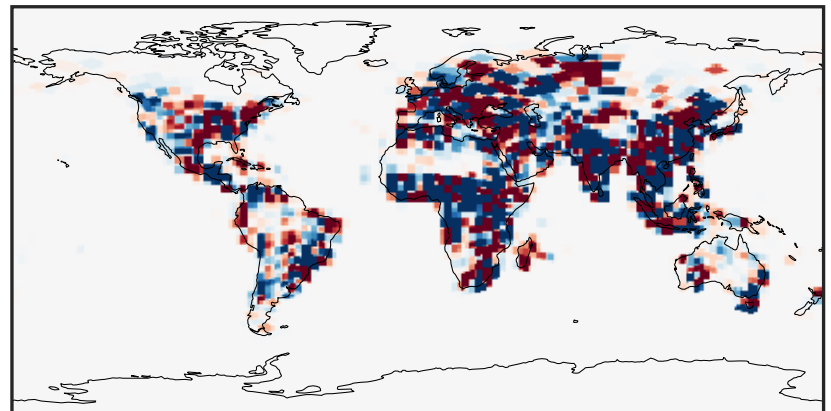
0.0 0.8 1.6 2.4
kg/m2/s $1e-11$

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



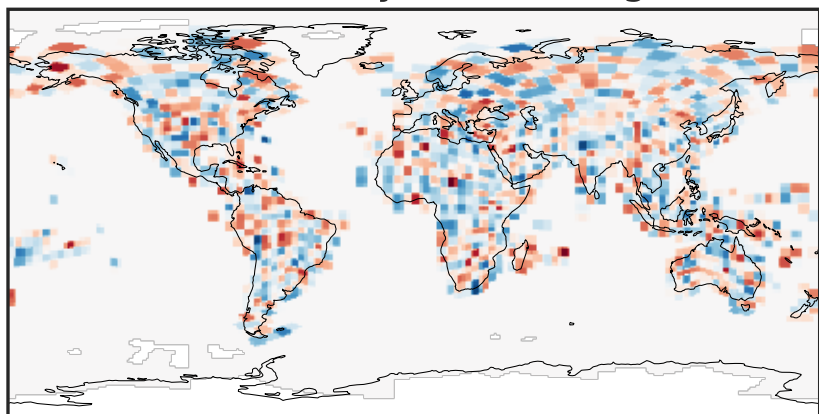
-8 0 8
kg/m2/s $1e-16$

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



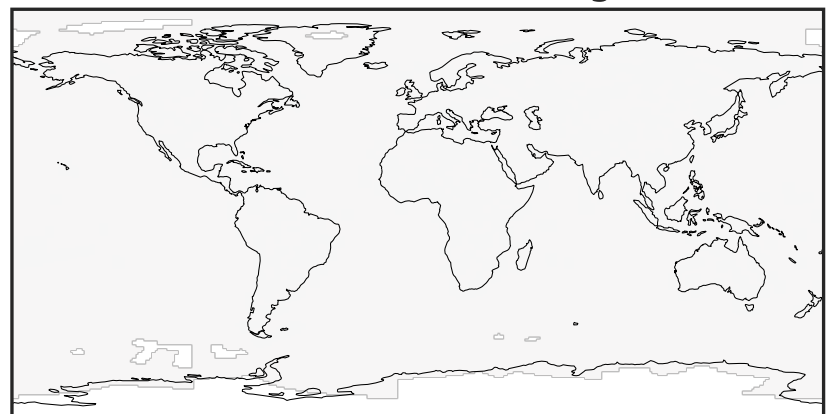
-1 0 1
kg/m2/s $1e-17$

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



0.999875 1.000000 1.000125
unitless

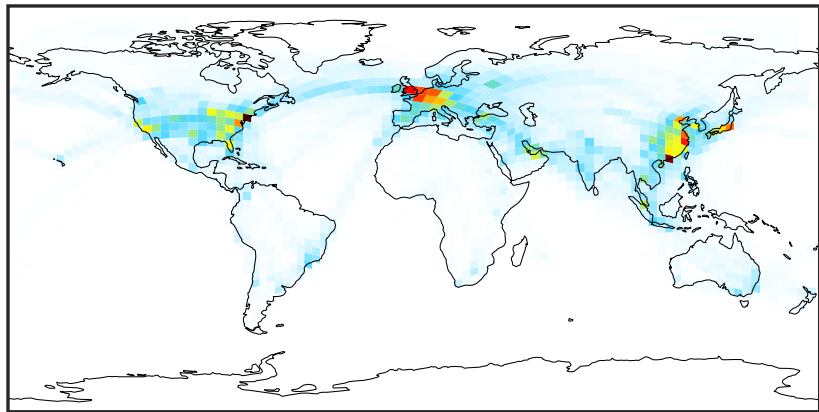
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

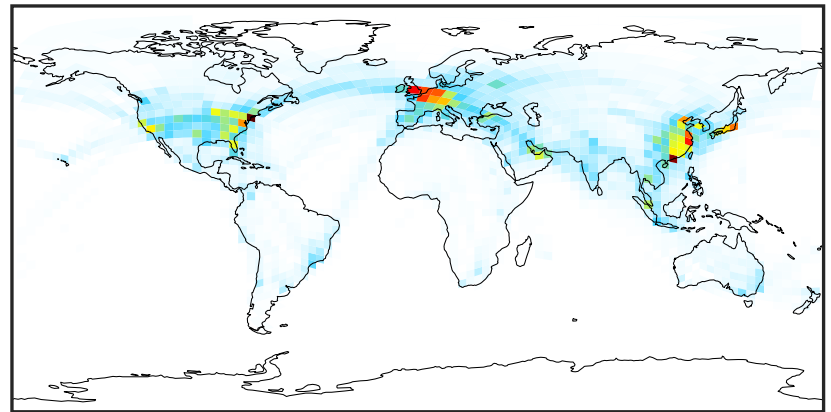
EmisOCPI_Aircraft (Jan2019)

GCHP_14.0.0 (Ref)
c24



0.0 0.5 1.0 1.5
kg/m²/s 1e-14

GCHP_14.2.0 (Dev)
c24



0.0 0.5 1.0 1.5
kg/m²/s 1e-14

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



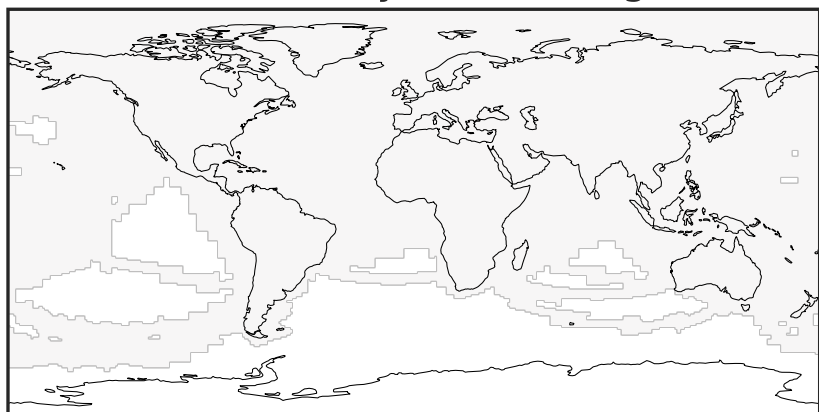
Zero throughout domain
kg/m²/s

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



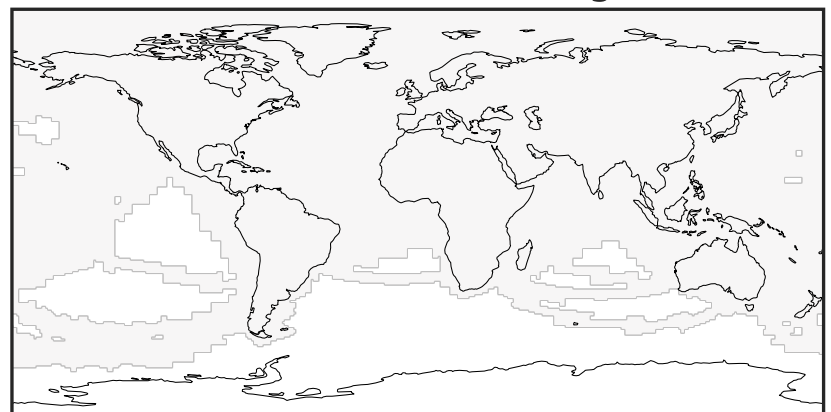
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

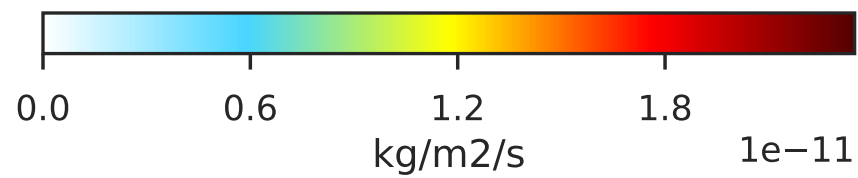
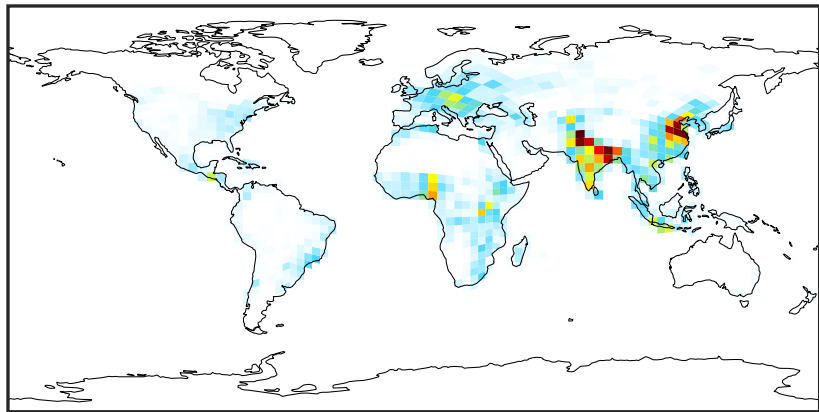
Ratio (1x1.25)
Dev/Ref, Fixed Range



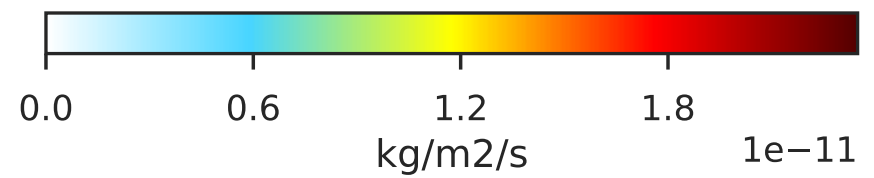
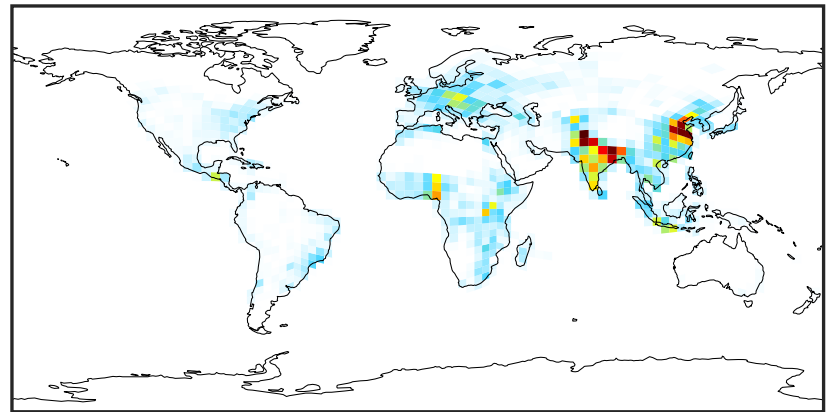
Ref and Dev equal throughout domain
unitless

EmisOCPI_Anthro (Jan2019)

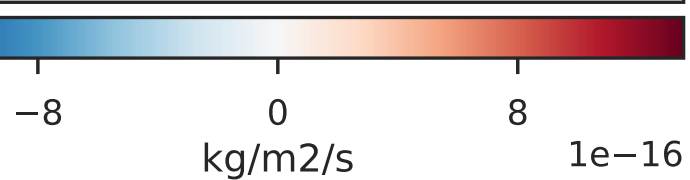
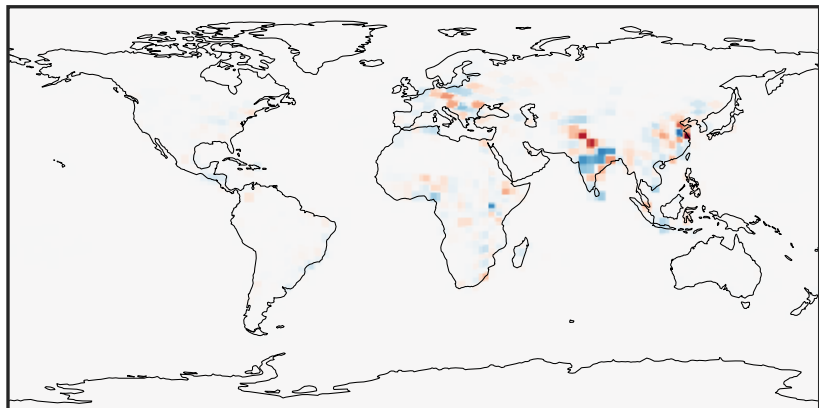
GCHP_14.0.0 (Ref)
c24



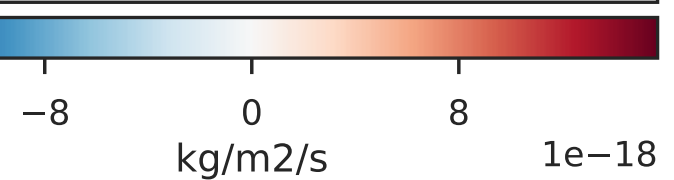
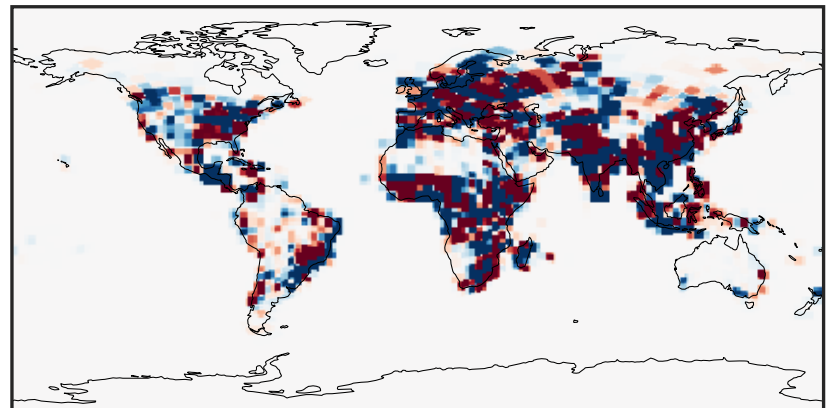
GCHP_14.2.0 (Dev)
c24



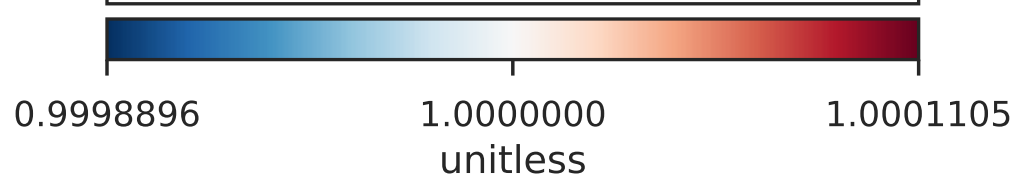
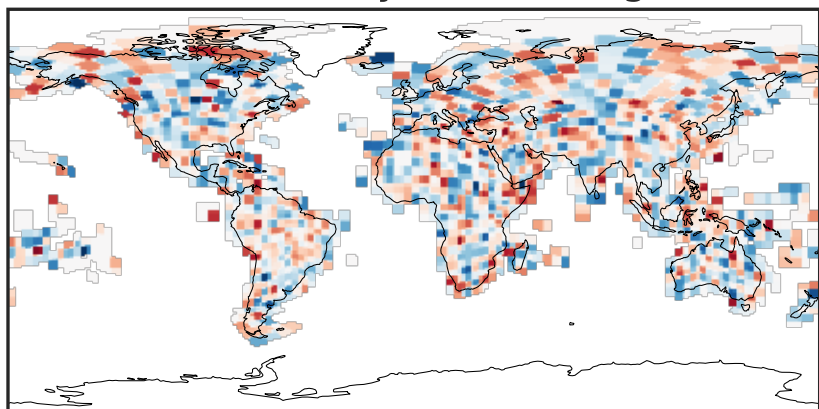
Difference (1x1.25)
Dev - Ref, Dynamic Range



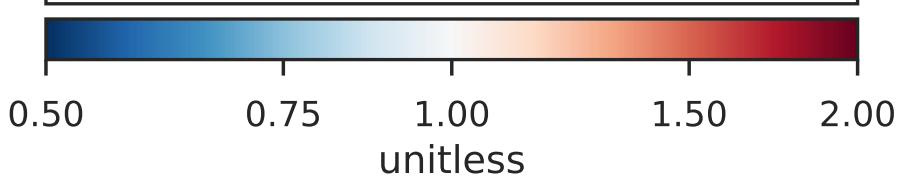
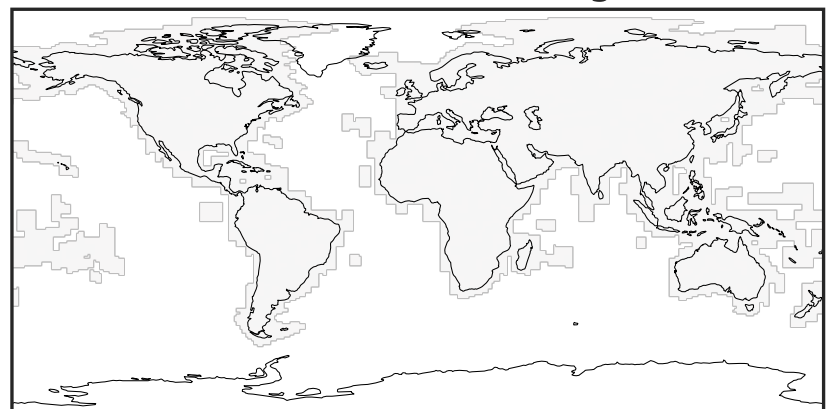
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

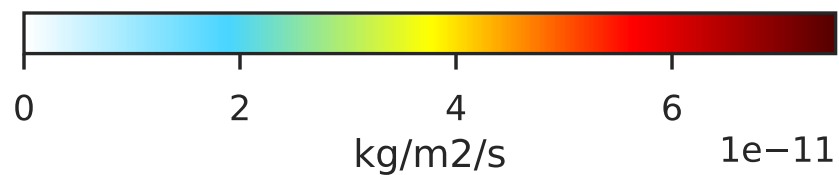
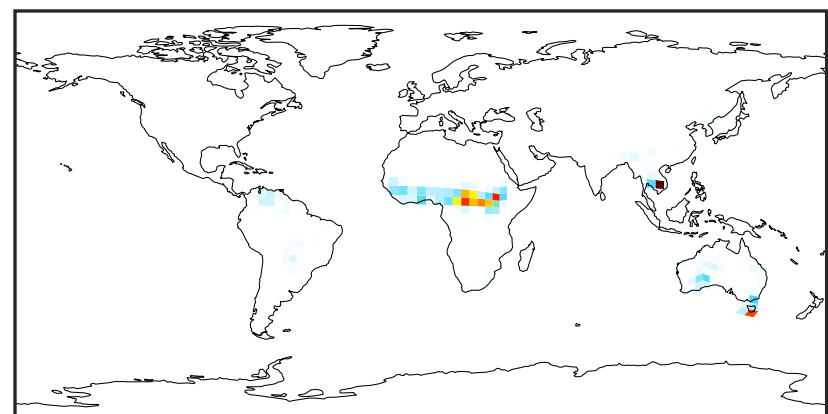


Ratio (1x1.25)
Dev/Ref, Fixed Range

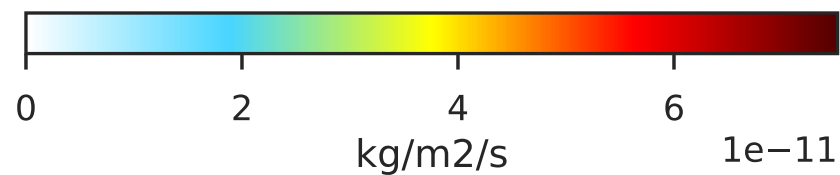
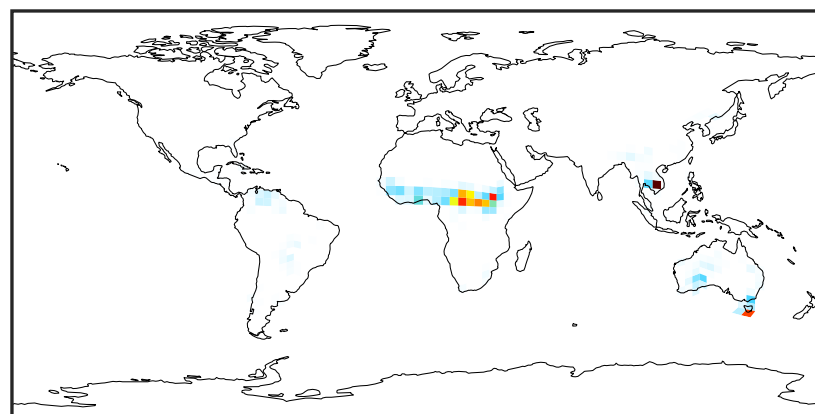


EmisOCPI_BioBurn (Jan2019)

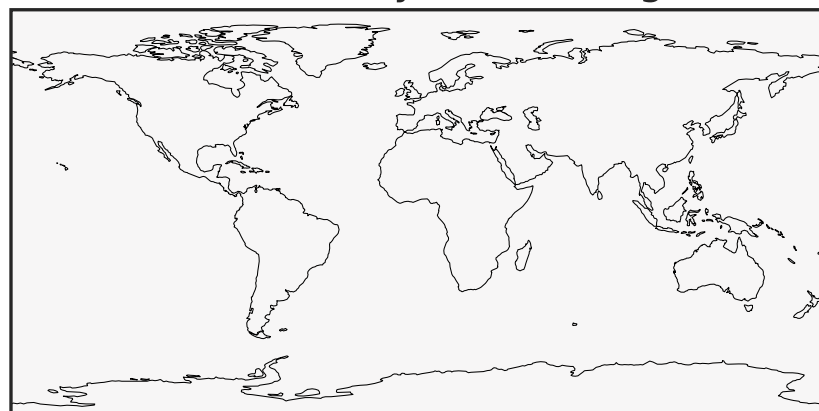
GCHP_14.0.0 (Ref)
c24



GCHP_14.2.0 (Dev)
c24

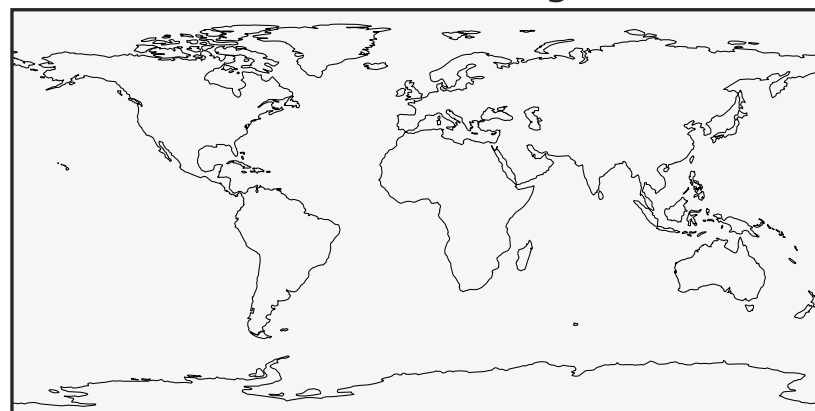


Difference (1x1.25)
Dev - Ref, Dynamic Range



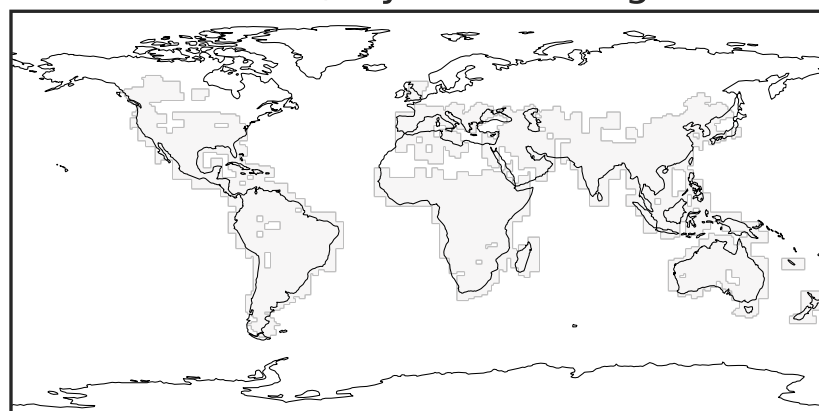
Zero throughout domain
kg/m²/s

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



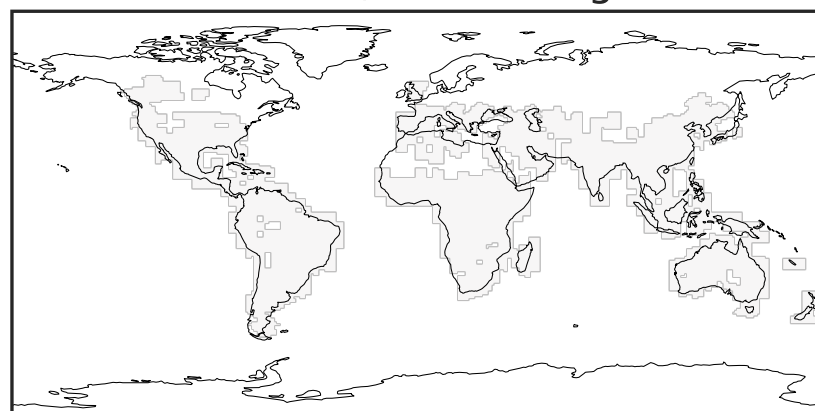
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

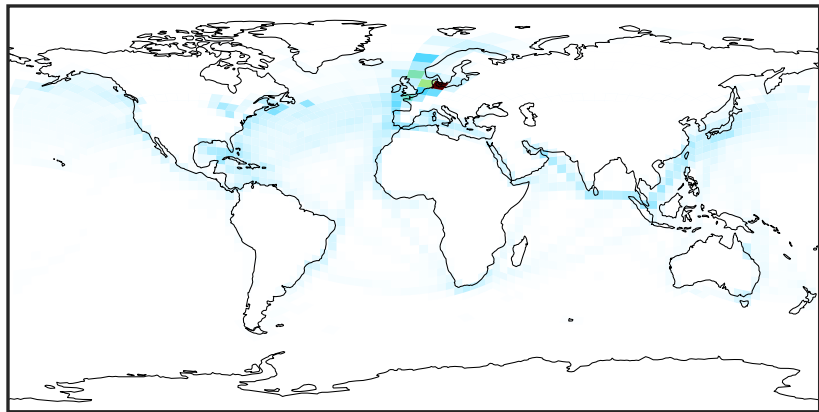
Ratio (1x1.25)
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

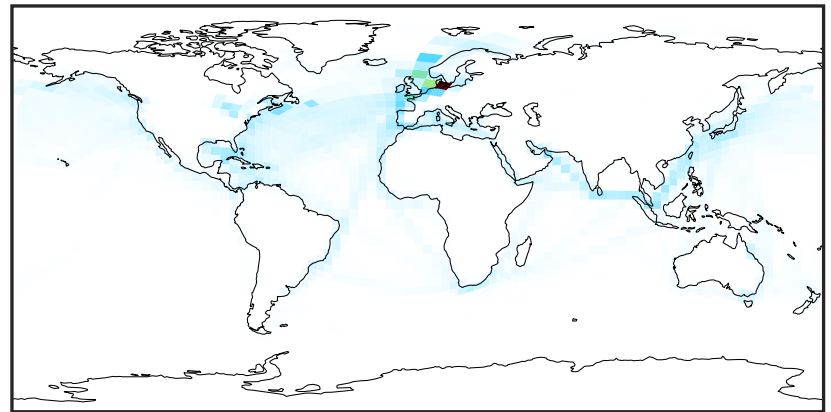
EmisOCPI_Ship (Jan2019)

GCHP_14.0.0 (Ref)
c24



0.0 0.4 0.8 1.2 $1e-13$
kg/m²/s

GCHP_14.2.0 (Dev)
c24



0.0 0.4 0.8 1.2 $1e-13$
kg/m²/s

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



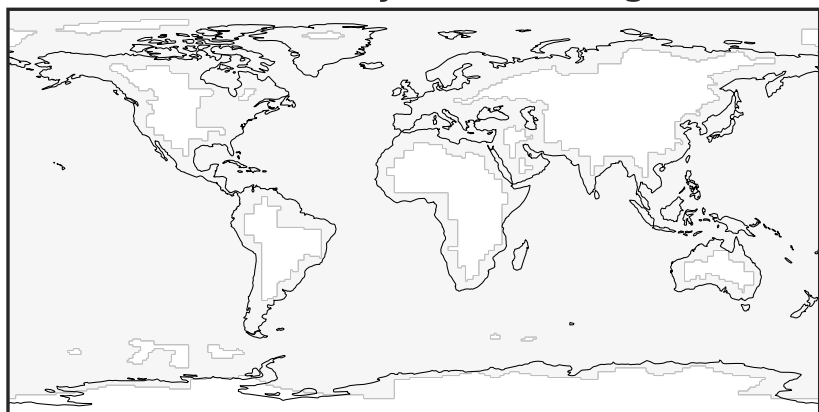
Zero throughout domain
kg/m²/s

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



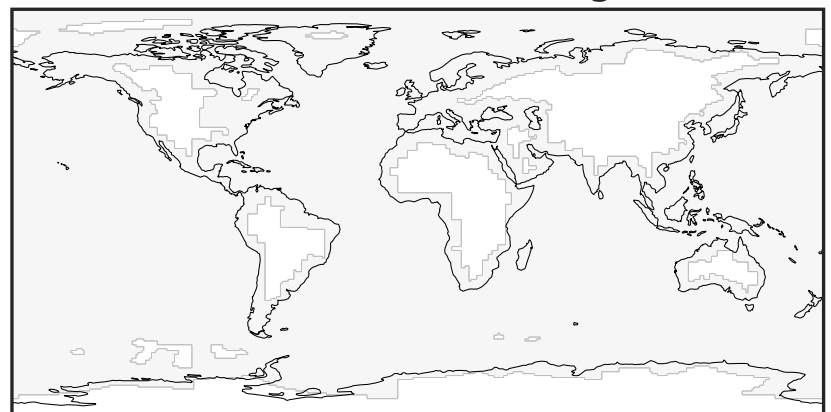
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

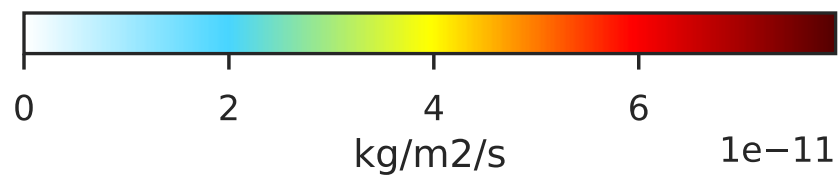
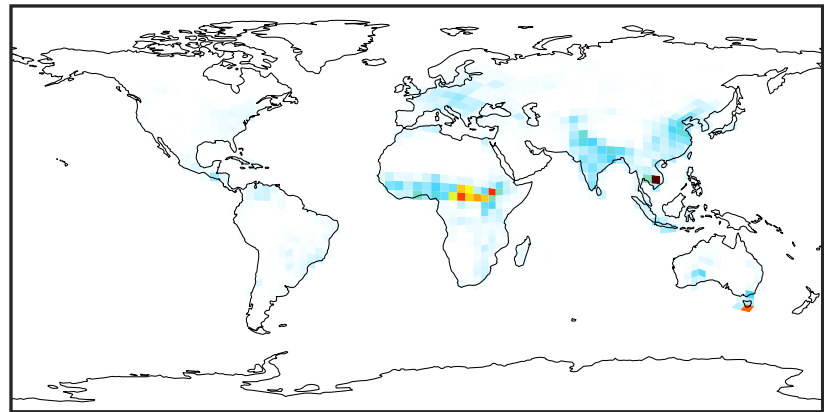
Ratio (1x1.25)
Dev/Ref, Fixed Range



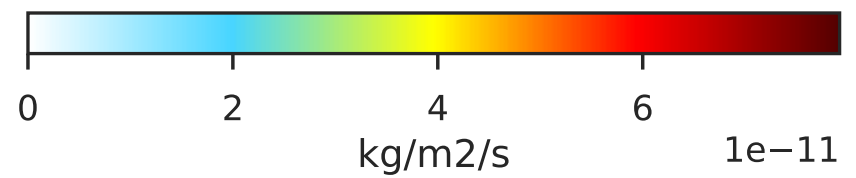
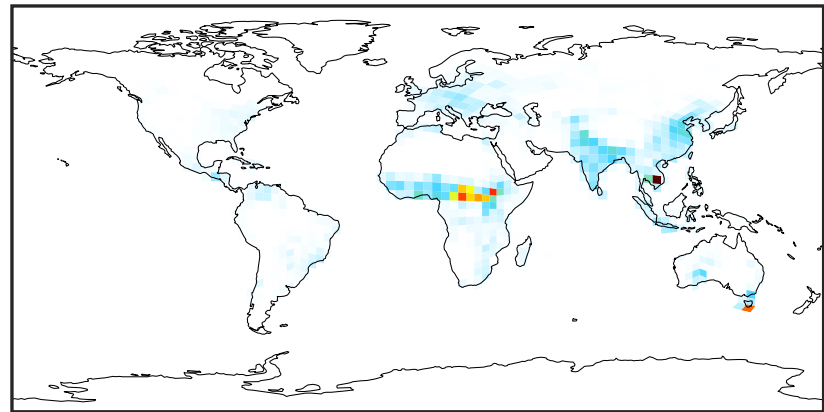
Ref and Dev equal throughout domain
unitless

EmisOCPI_Total (Jan2019)

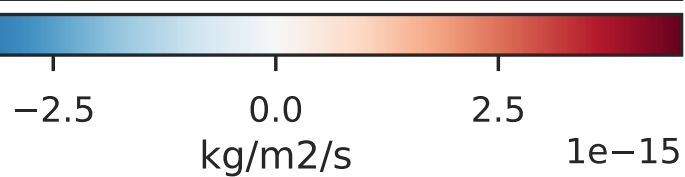
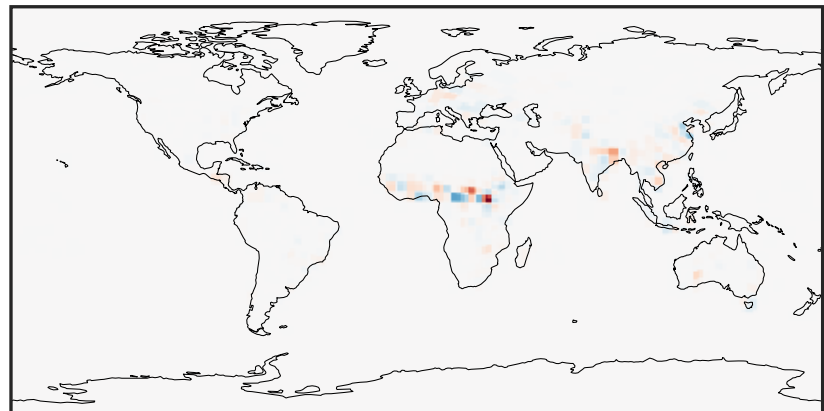
GCHP_14.0.0 (Ref)
c24



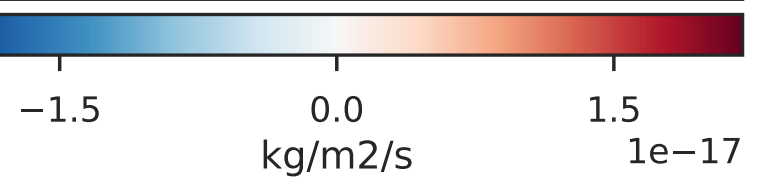
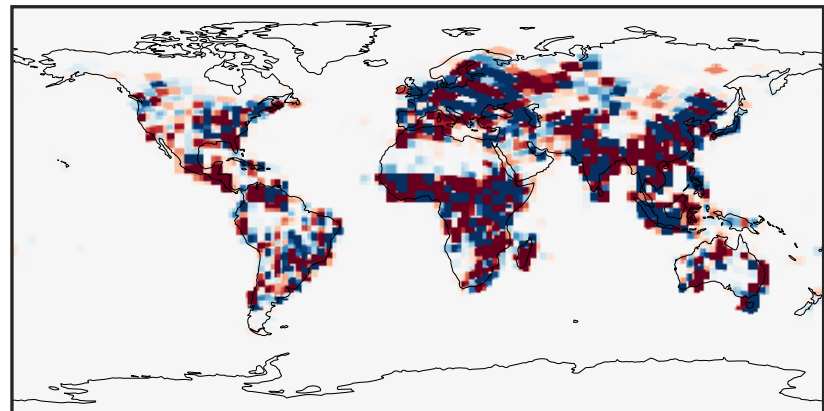
GCHP_14.2.0 (Dev)
c24



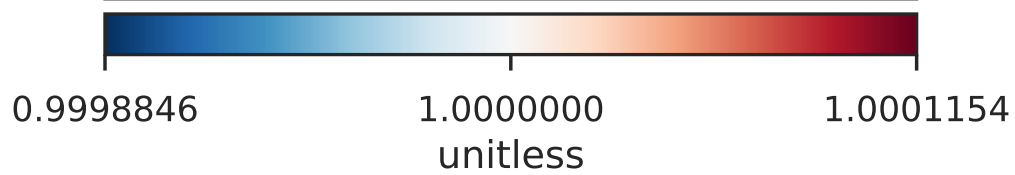
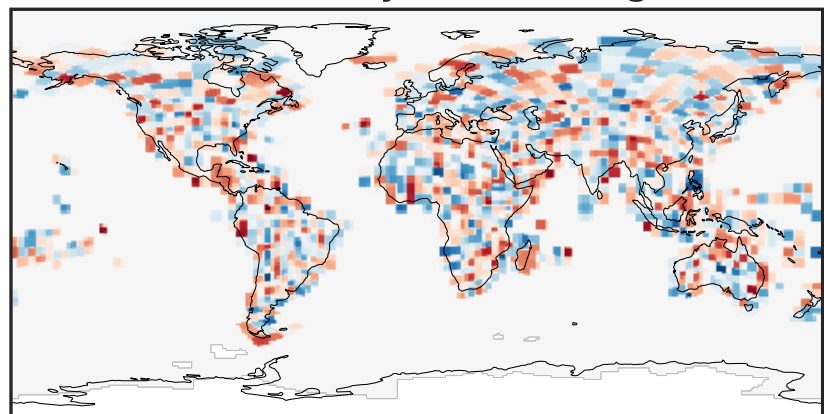
Difference (1x1.25)
Dev - Ref, Dynamic Range



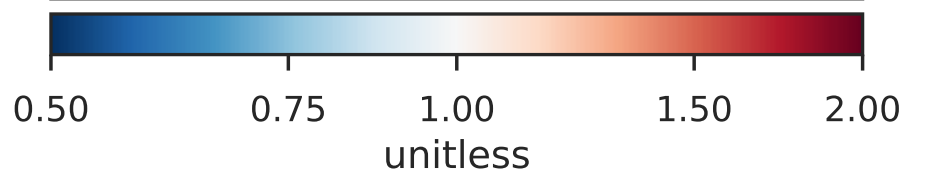
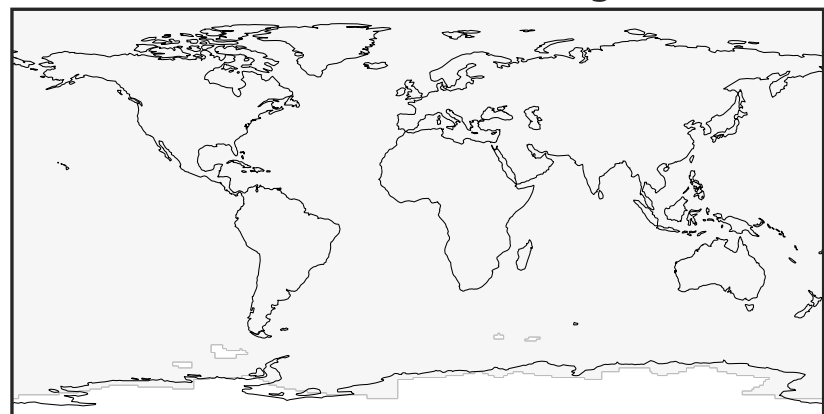
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

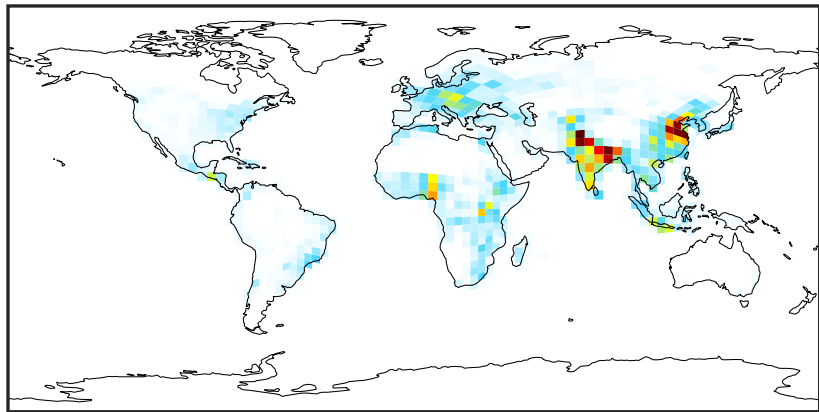


Ratio (1x1.25)
Dev/Ref, Fixed Range



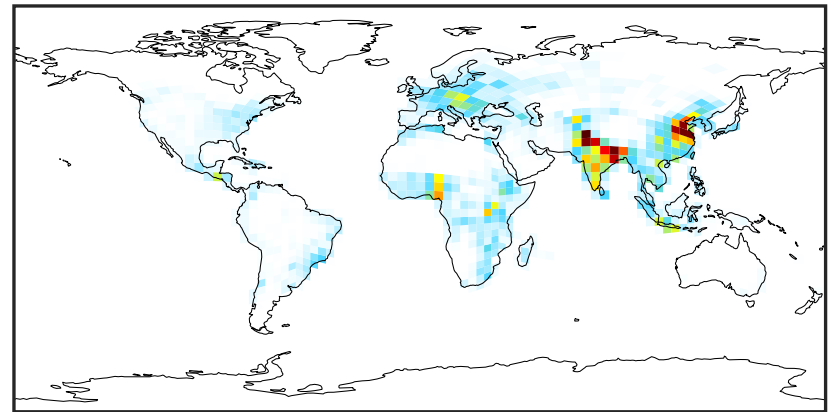
EmisOCPO_Anthro (Jan2019)

GCHP_14.0.0 (Ref)
c24



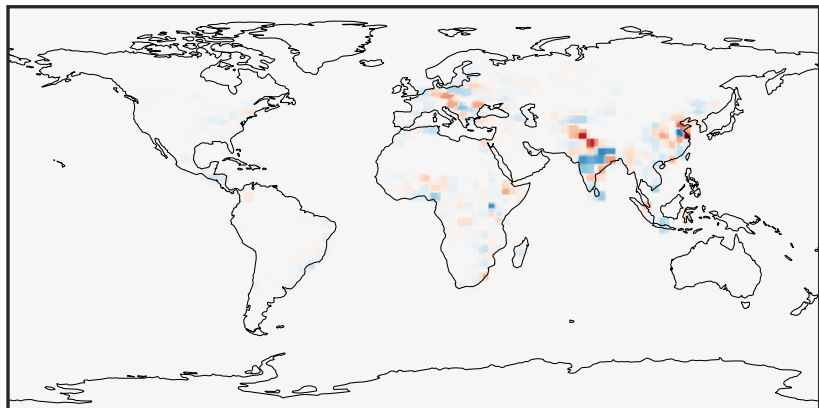
0.0 0.6 1.2 1.8 10^{-11} kg/m²/s

GCHP_14.2.0 (Dev)
c24



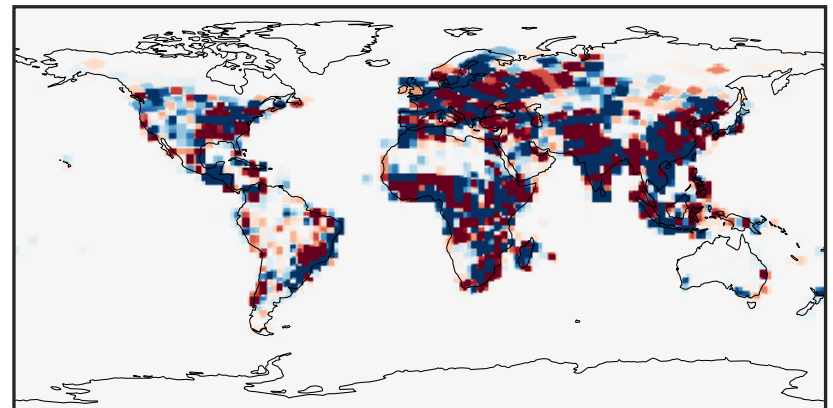
0.0 0.6 1.2 1.8 10^{-11} kg/m²/s

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



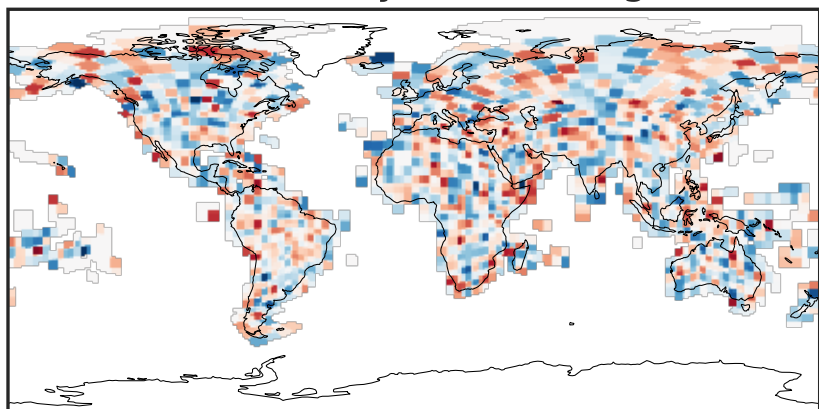
-8 0 8 10^{-16} kg/m²/s

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



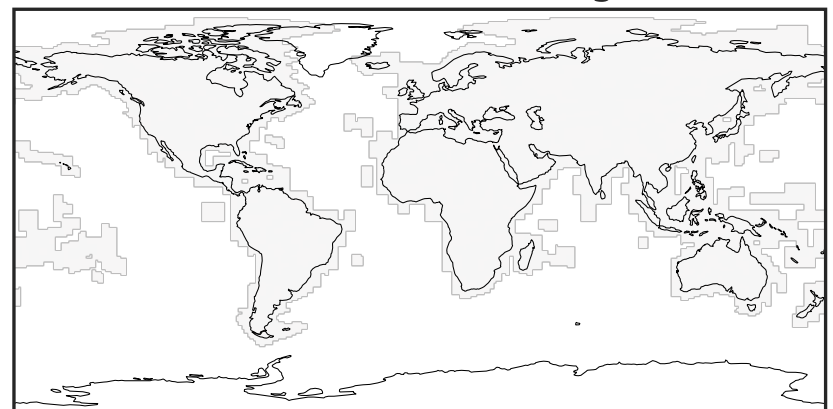
-8 0 8 10^{-18} kg/m²/s

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



0.9998896 1.000000 1.0001105 unitless

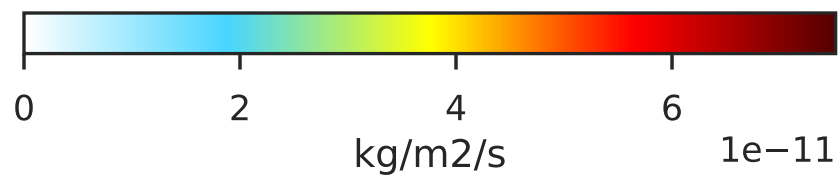
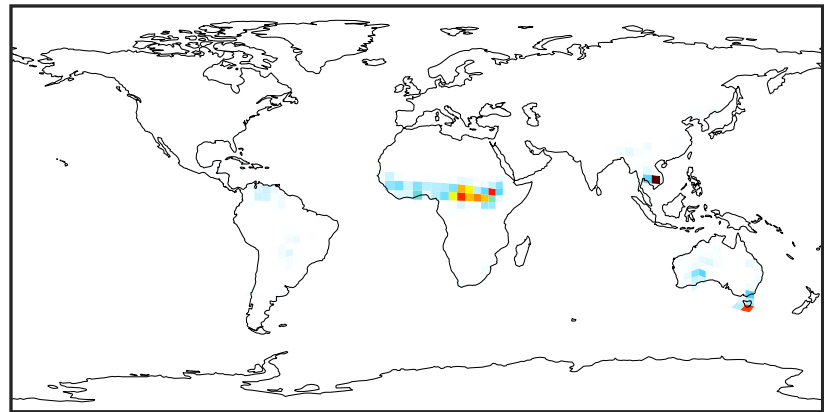
Ratio (1x1.25)
Dev/Ref, Fixed Range



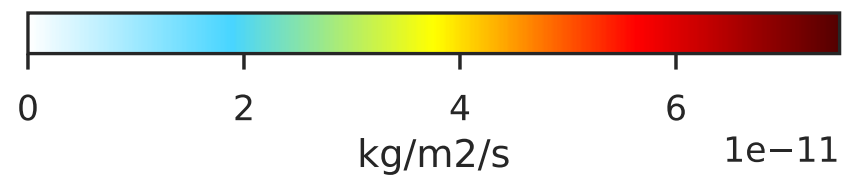
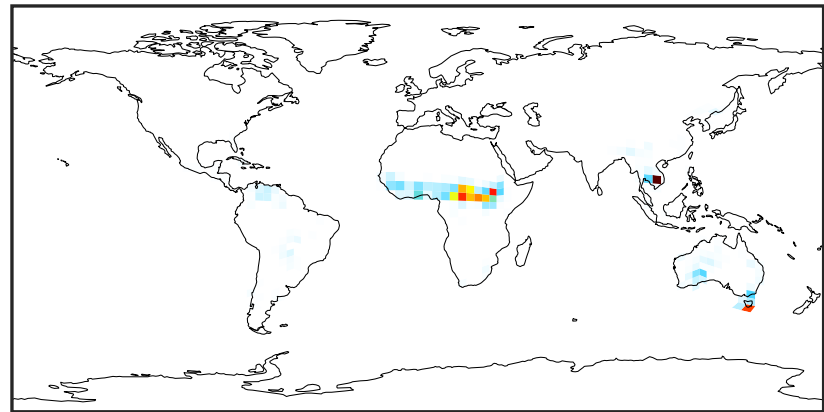
0.50 0.75 1.00 1.50 2.00 unitless

EmisOCPO_BioBurn (Jan2019)

GCHP_14.0.0 (Ref)
c24



GCHP_14.2.0 (Dev)
c24



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



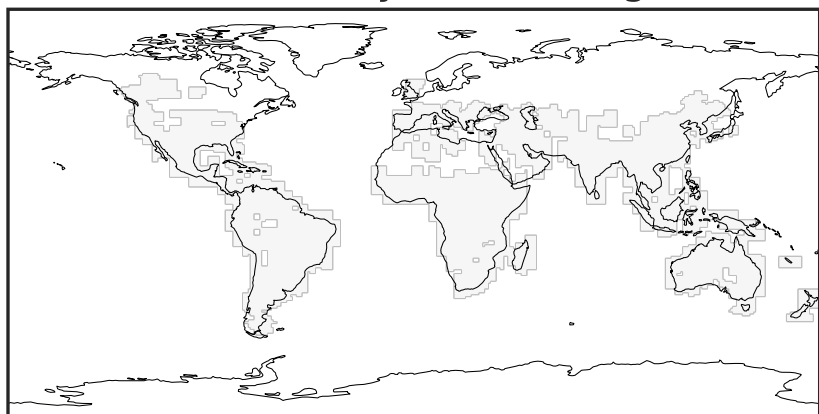
Zero throughout domain
kg/m²/s

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



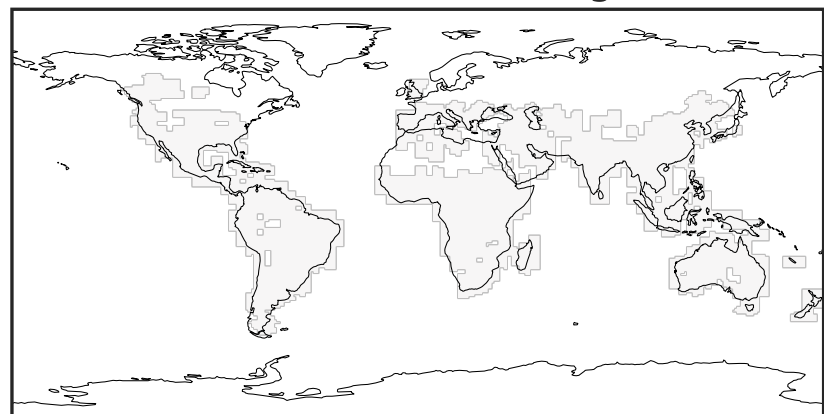
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

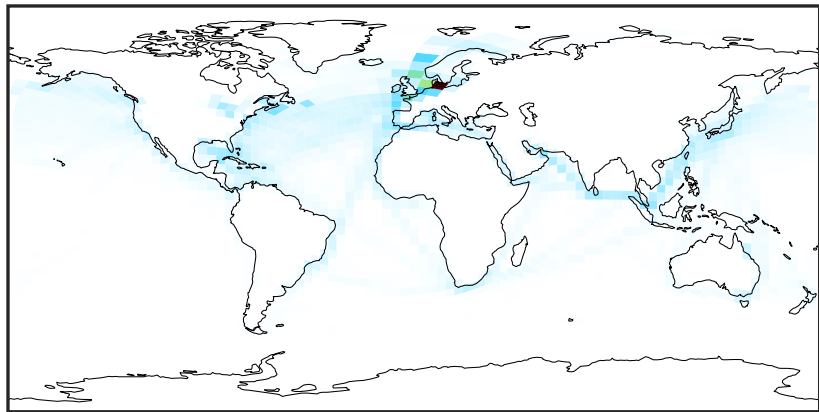
Ratio (1x1.25)
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain
unitless

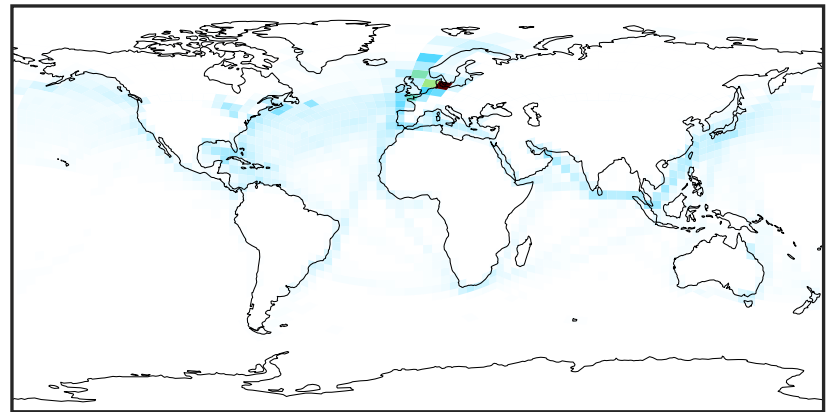
EmisOCPO_Ship (Jan2019)

GCHP_14.0.0 (Ref)
c24



0.0 0.4 0.8 1.2 $1e-13$
kg/m2/s

GCHP_14.2.0 (Dev)
c24



0.0 0.4 0.8 1.2 $1e-13$
kg/m2/s

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



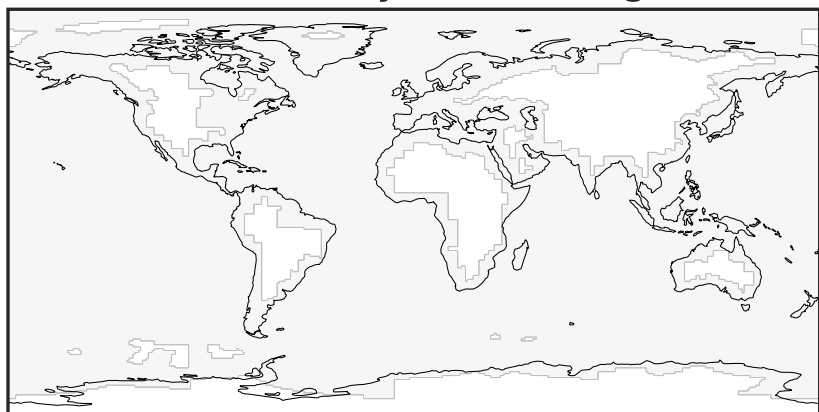
Zero throughout domain
kg/m2/s

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



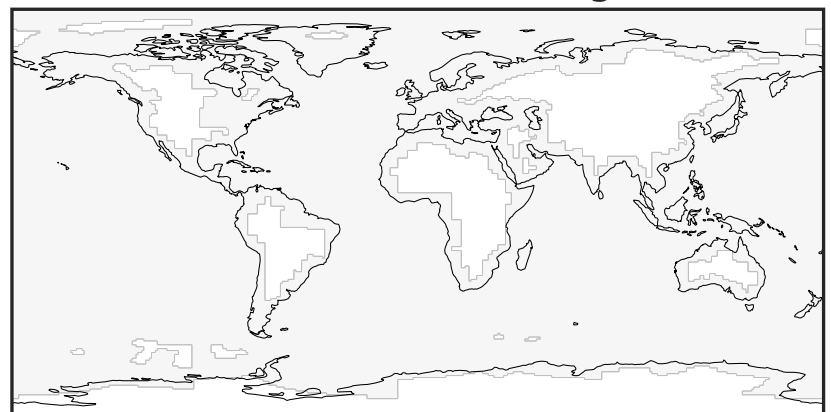
Zero throughout domain
kg/m2/s

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



Ref and Dev equal throughout domain
unitless

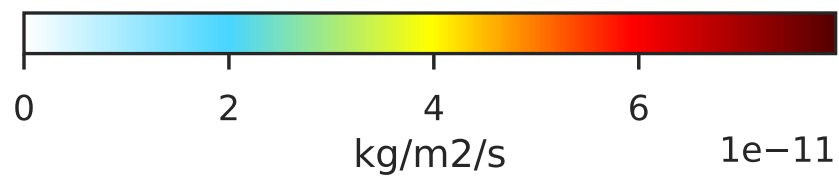
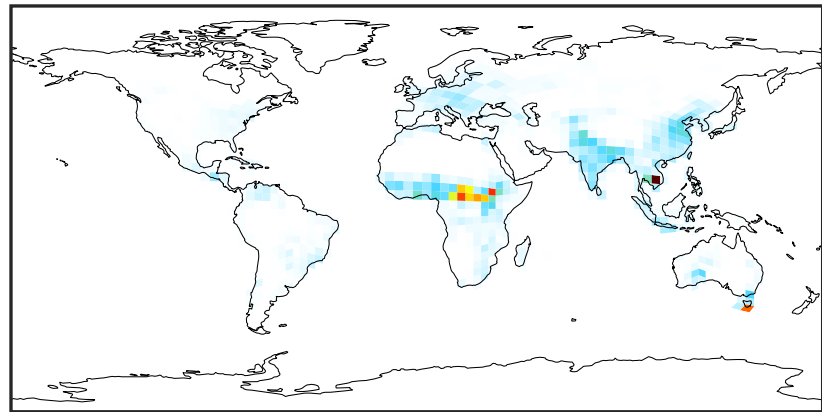
Ratio (1x1.25)
Dev/Ref, Fixed Range



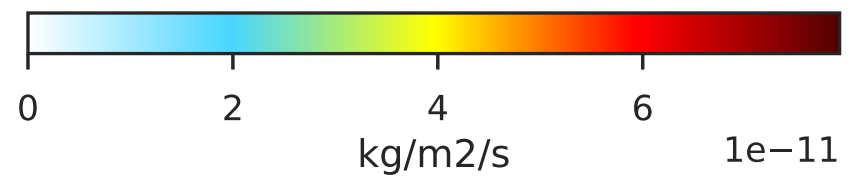
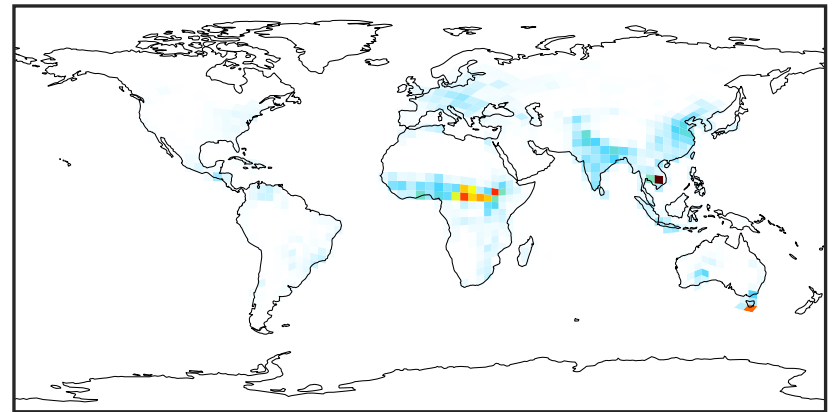
Ref and Dev equal throughout domain
unitless

EmisOCPO_Total (Jan2019)

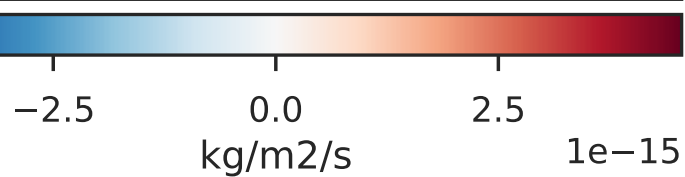
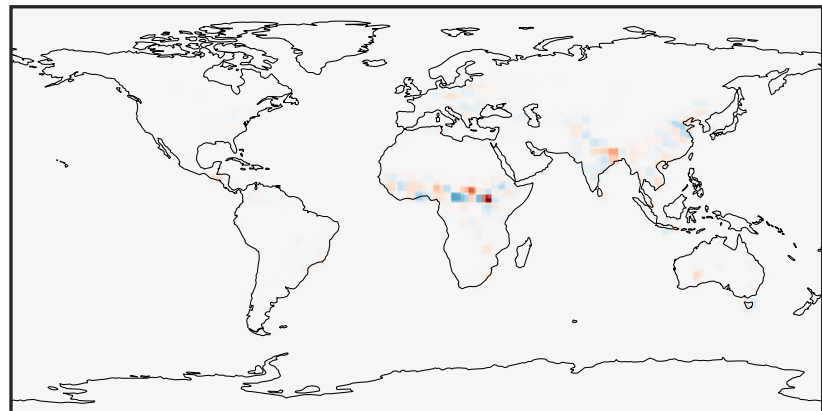
GCHP_14.0.0 (Ref)
c24



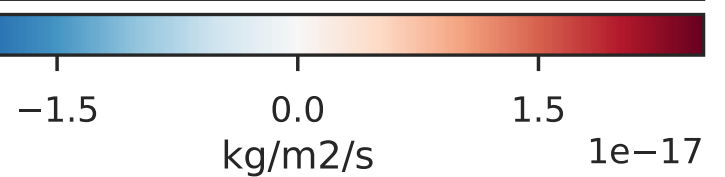
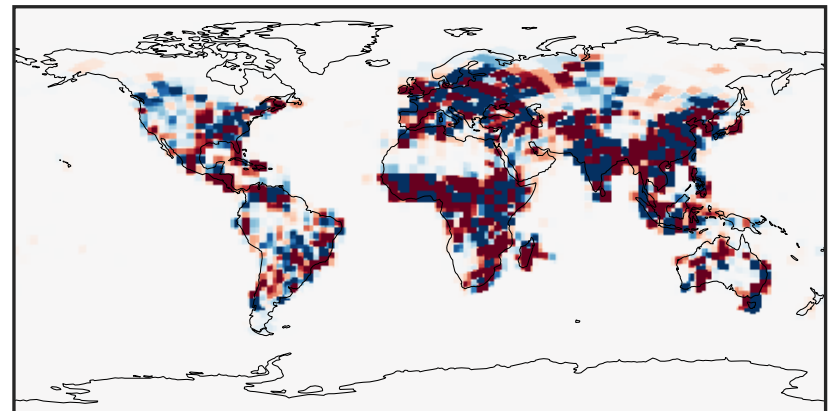
GCHP_14.2.0 (Dev)
c24



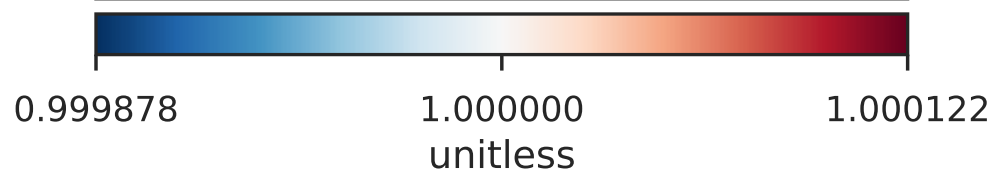
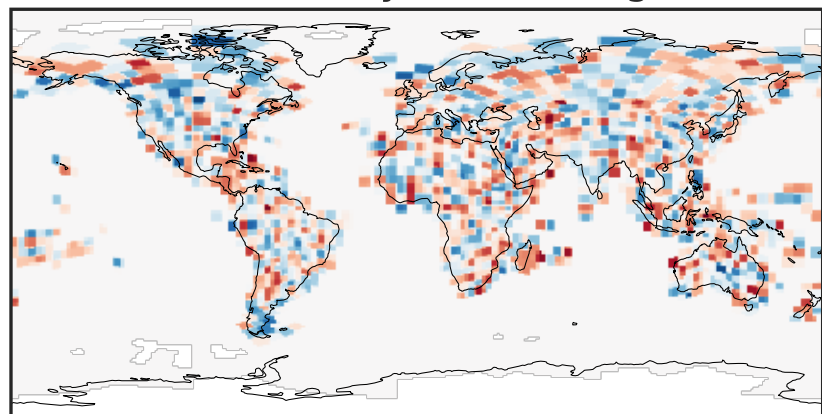
Difference (1x1.25)
Dev - Ref, Dynamic Range



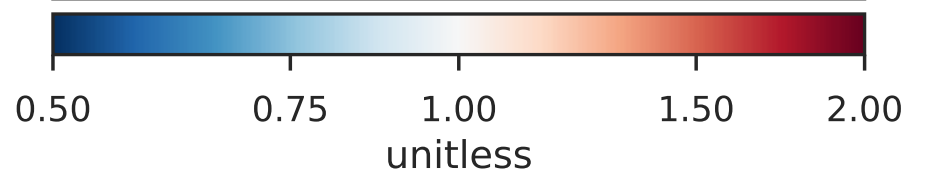
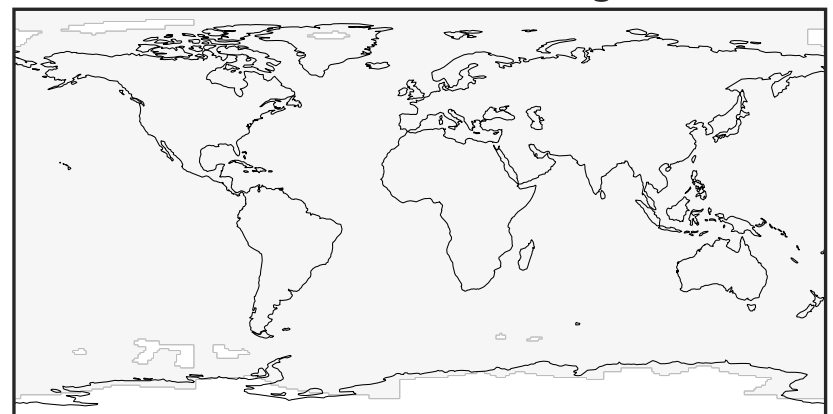
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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



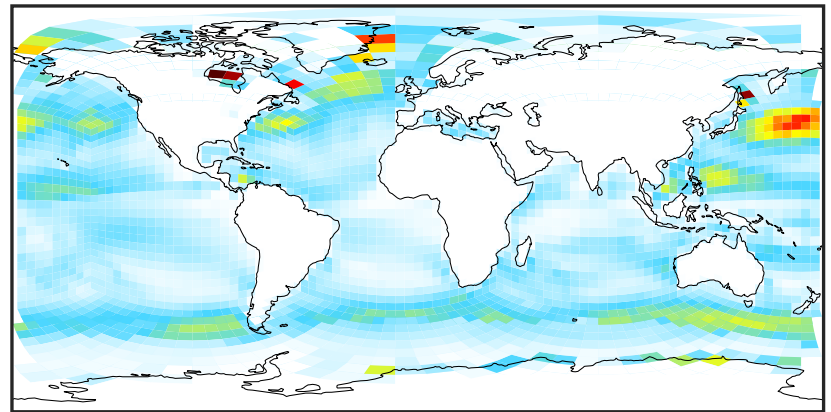
EmisBrSALA_Natural (Jan2019)

GCHP_14.0.0 (Ref)
c24



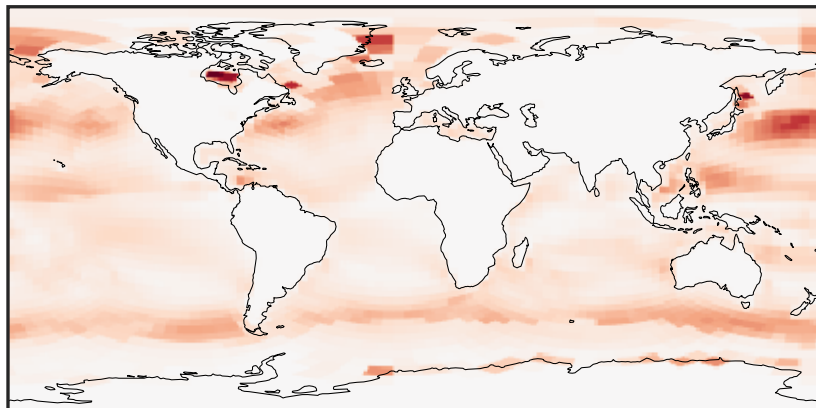
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



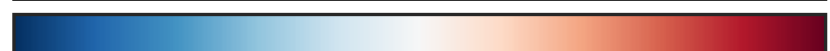
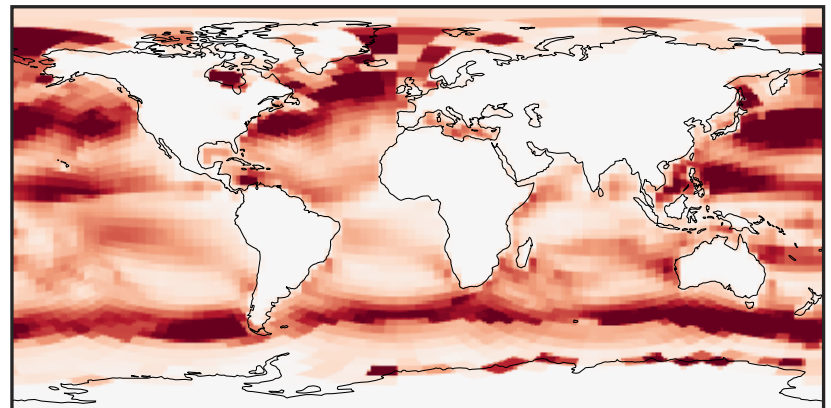
0 2 4 6
kg/m²/s 1e-14

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



-4 0 4
kg/m²/s 1e-14

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



Undefined throughout domain
unitless

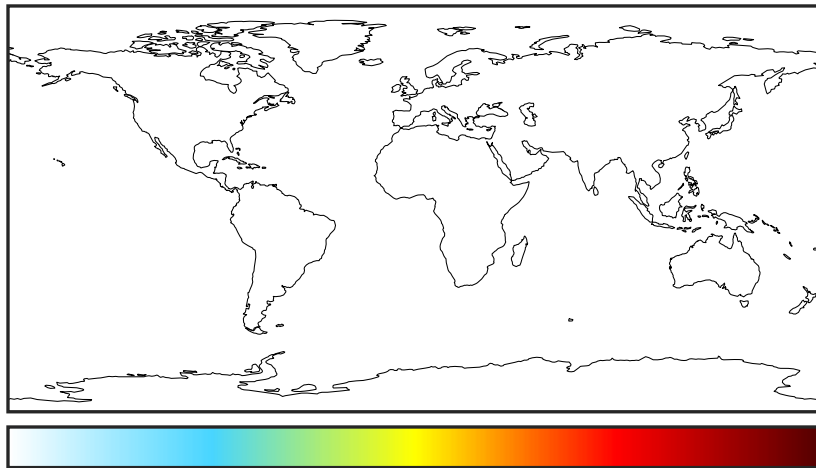
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

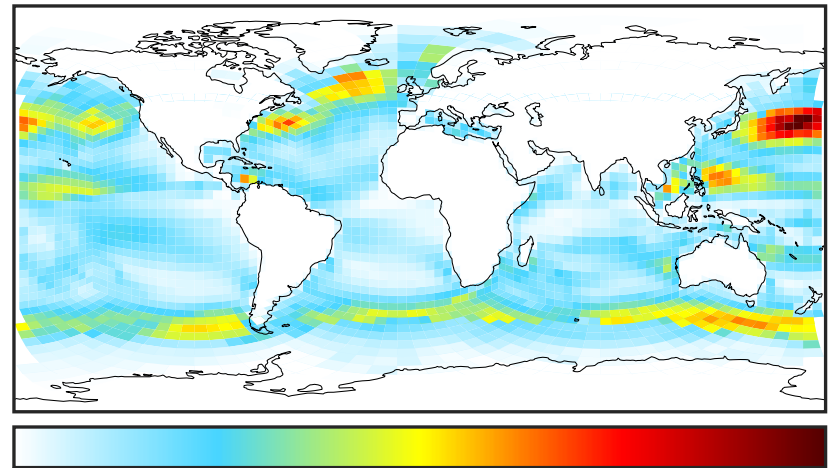
EmisBrSALC_Natural (Jan2019)

GCHP_14.0.0 (Ref)
c24



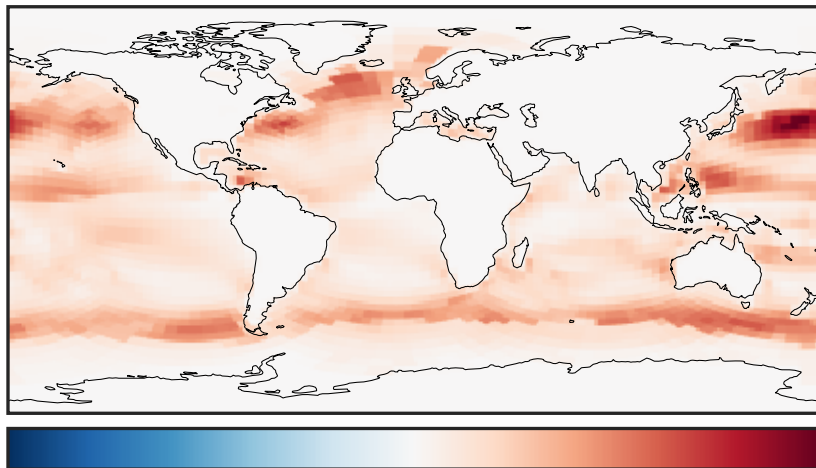
Zero throughout domain
kg/m²/s

GCHP_14.2.0 (Dev)
c24



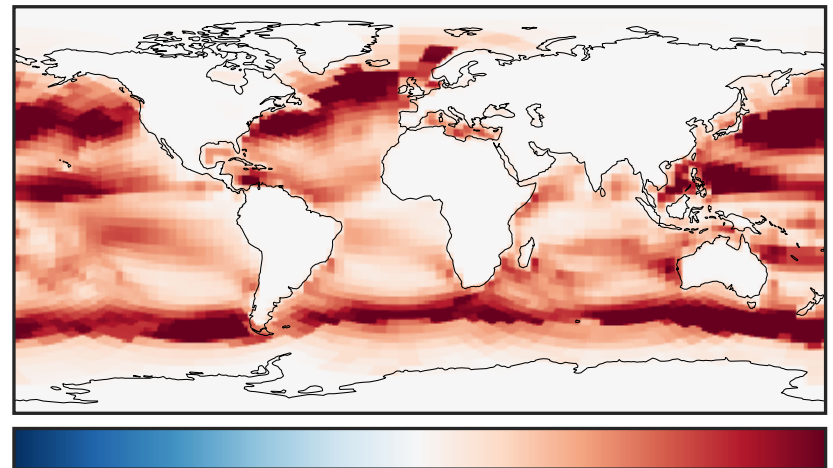
0.0 0.8 1.6 2.4
kg/m²/s 1e-12

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



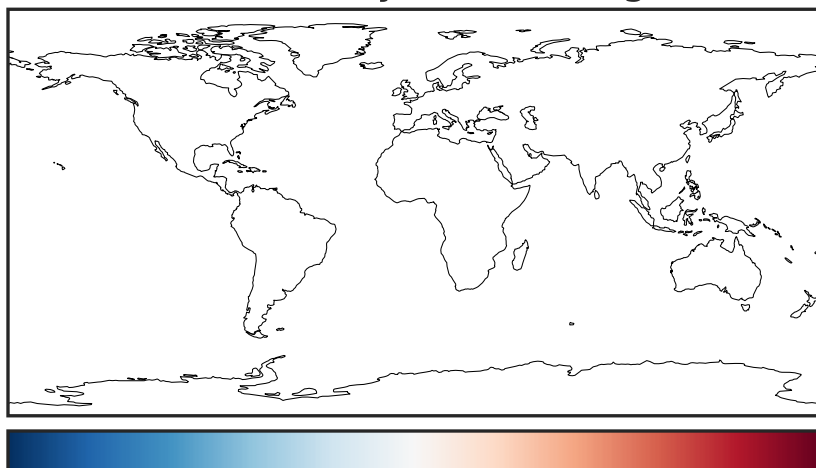
-2 0 2
kg/m²/s 1e-12

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



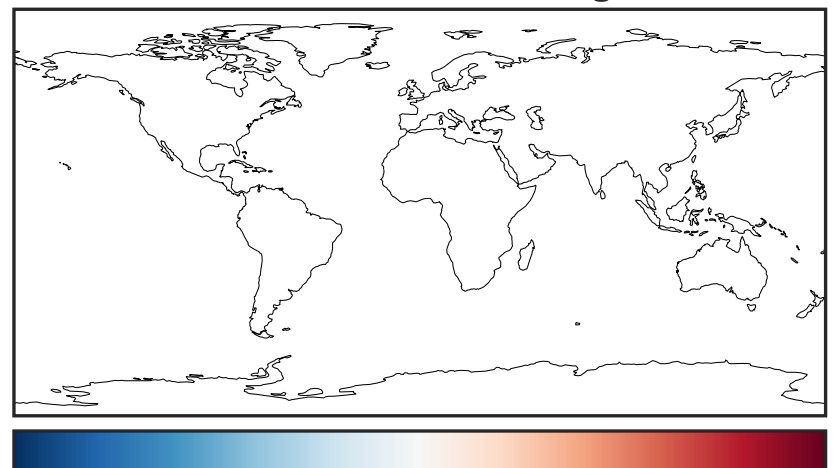
-8 0 8
kg/m²/s 1e-13

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



Undefined throughout domain
unitless

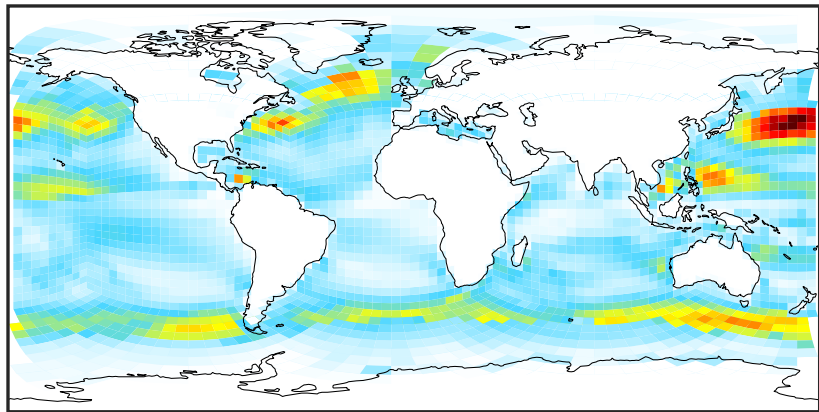
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

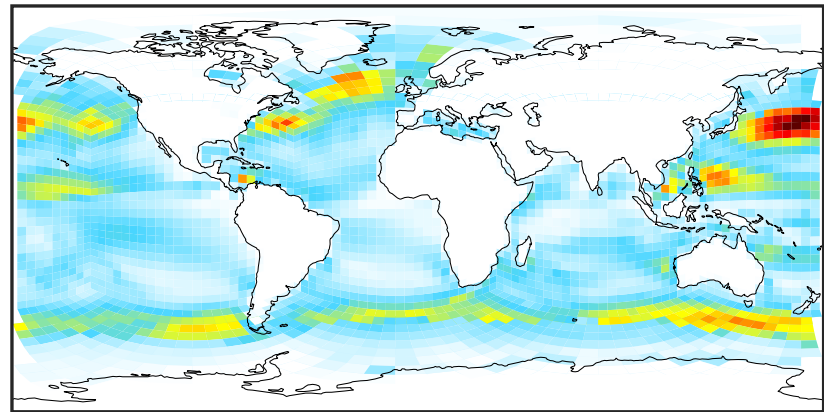
EmisSALA_Natural (Jan2019)

GCHP_14.0.0 (Ref)
c24



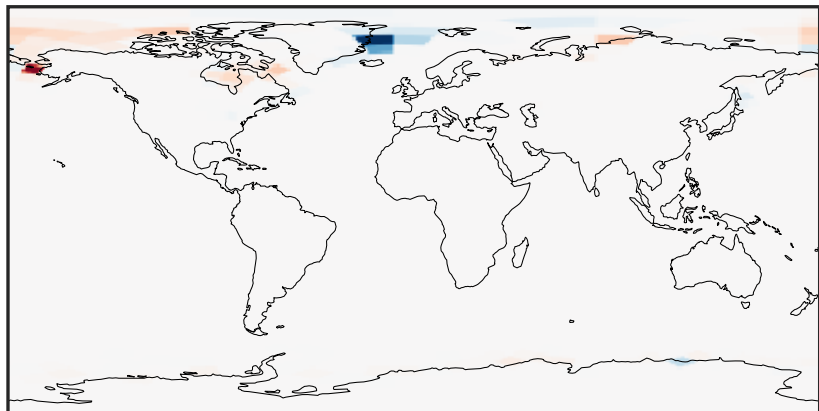
0.0 0.8 1.6 2.4
kg/m²/s 1e-11

GCHP_14.2.0 (Dev)
c24



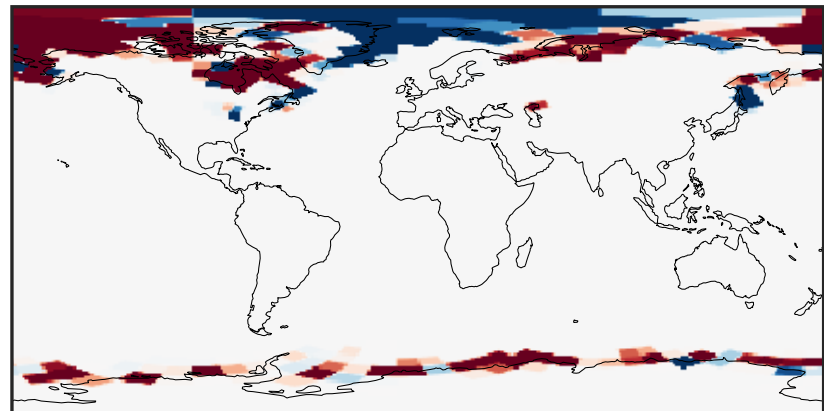
0.0 0.8 1.6 2.4
kg/m²/s 1e-11

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



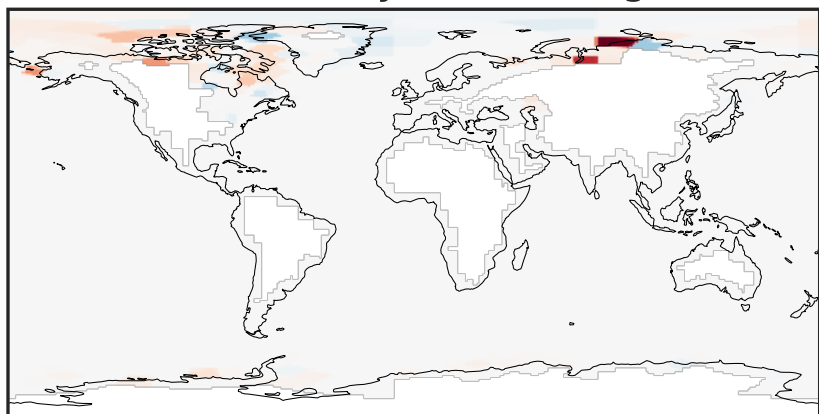
-4 0 4
kg/m²/s 1e-15

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



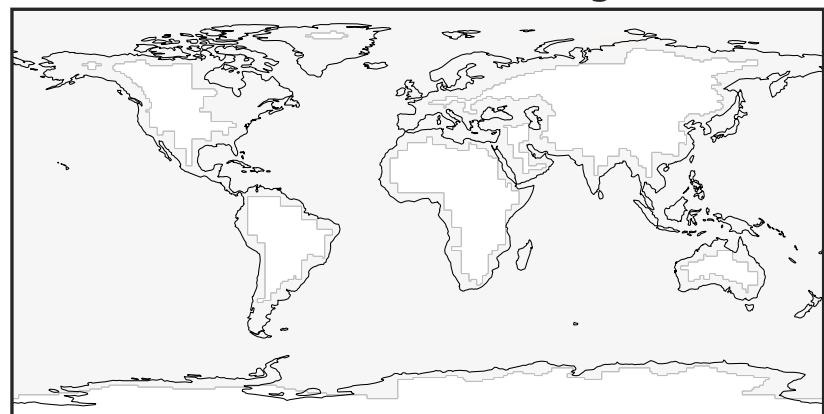
-5 0 5
kg/m²/s 1e-17

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



0.98828 0.99414 1.00000 1.00593 1.01185
unitless

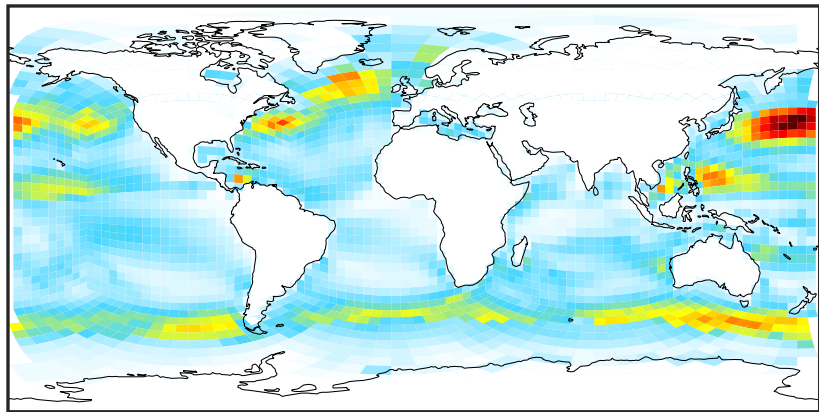
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

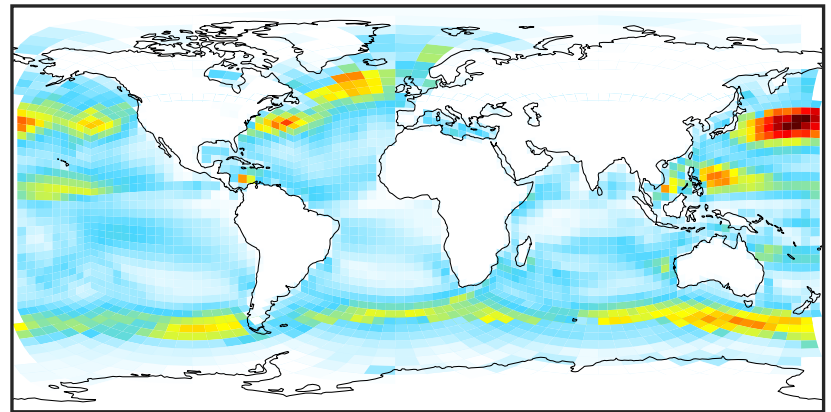
EmisSALAAL_Natural (Jan2019)

GCHP_14.0.0 (Ref)
c24



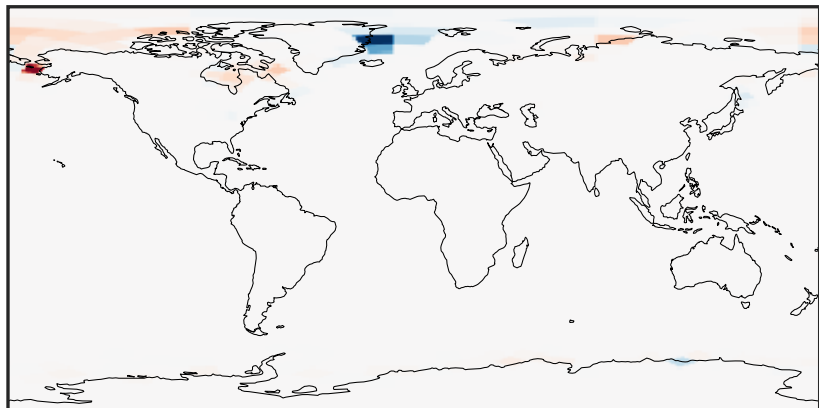
0.0 0.8 1.6 2.4
kg/m²/s 1e-11

GCHP_14.2.0 (Dev)
c24



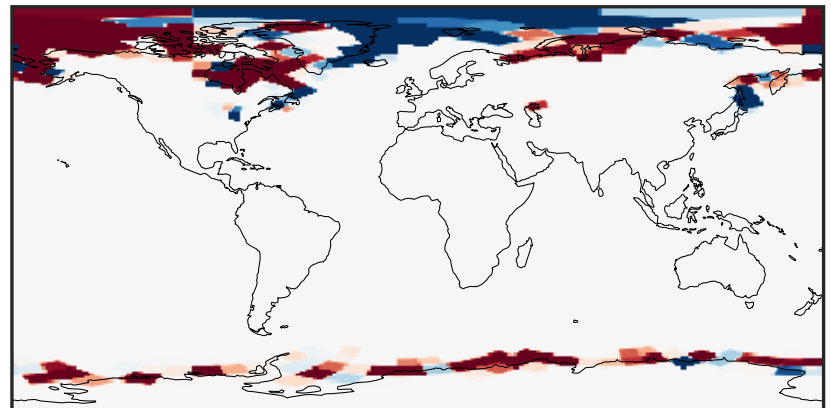
0.0 0.8 1.6 2.4
kg/m²/s 1e-11

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



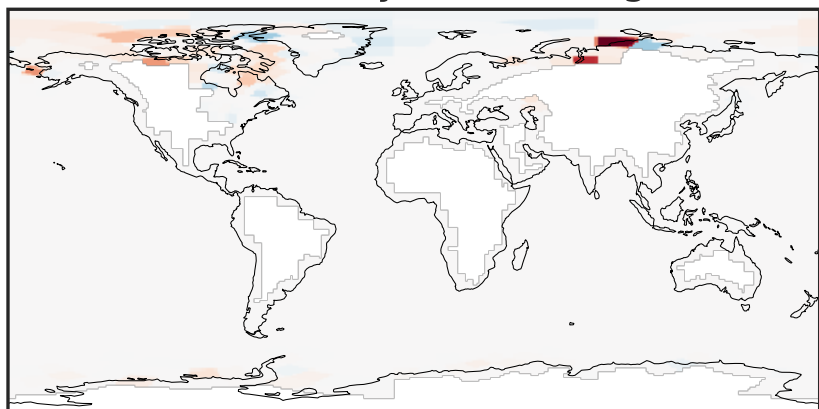
-4 0 4
kg/m²/s 1e-15

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



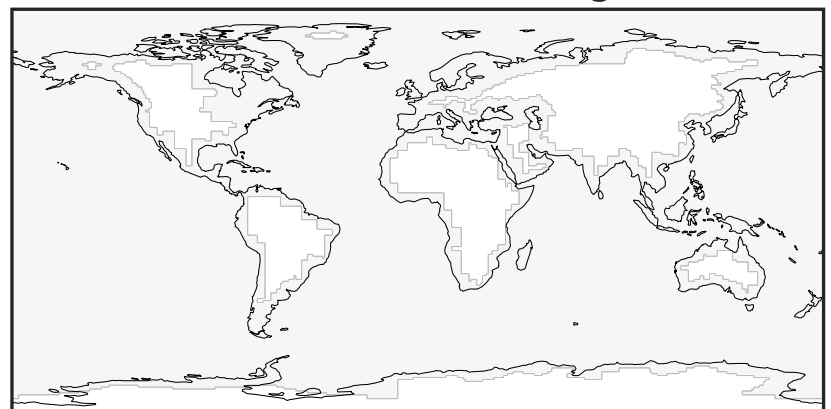
-5 0 5
kg/m²/s 1e-17

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



0.98828 0.99414 1.00000 1.00593 1.01185
unitless

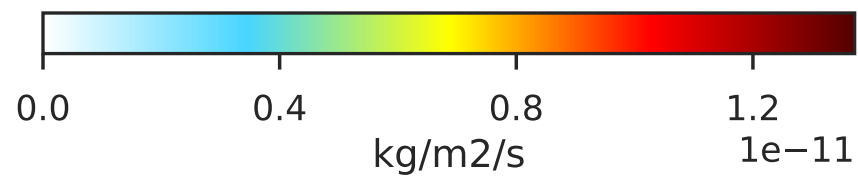
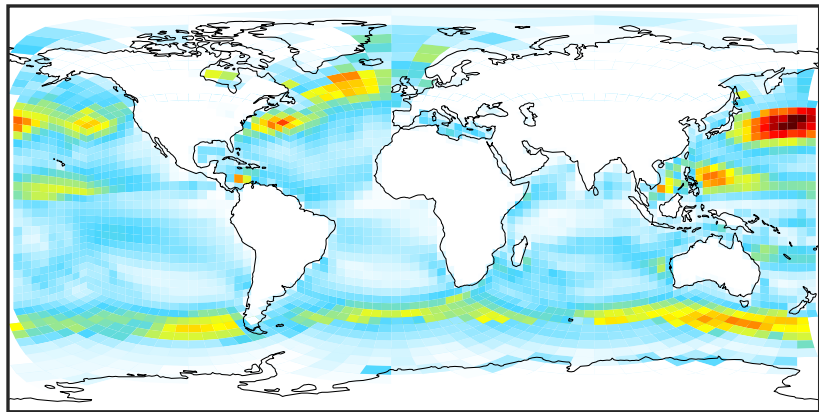
Ratio (1x1.25)
Dev/Ref, Fixed Range



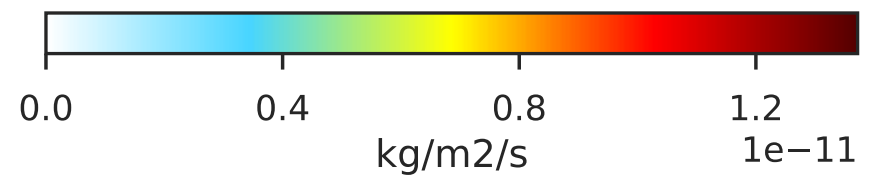
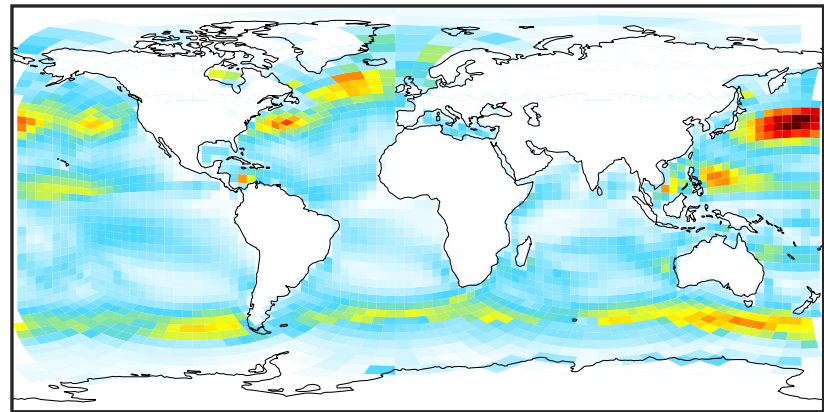
0.50 0.75 1.00 1.50 2.00
unitless

EmisSALACL_Natural (Jan2019)

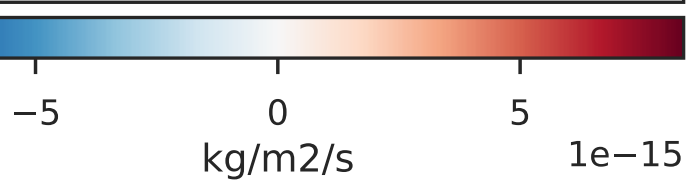
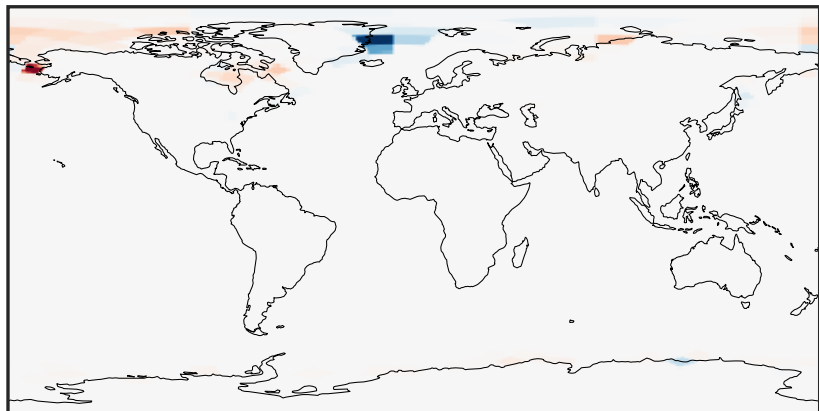
GCHP_14.0.0 (Ref)
c24



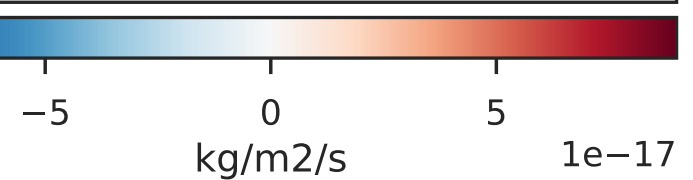
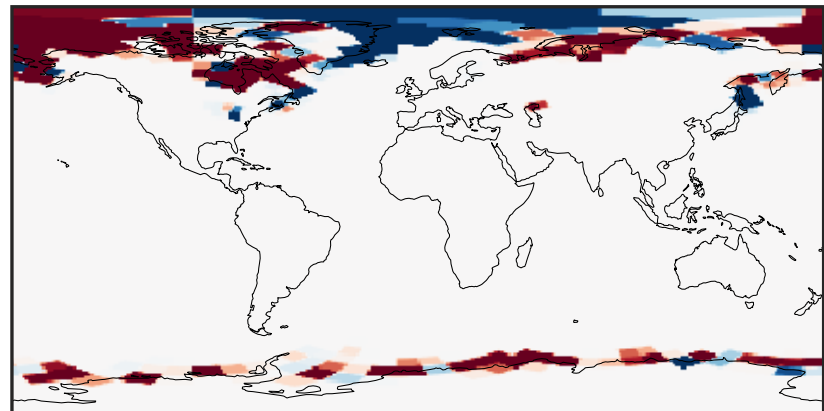
GCHP_14.2.0 (Dev)
c24



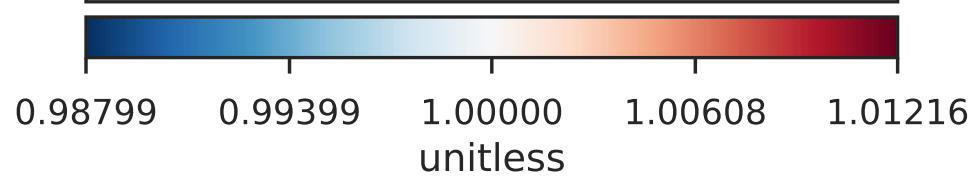
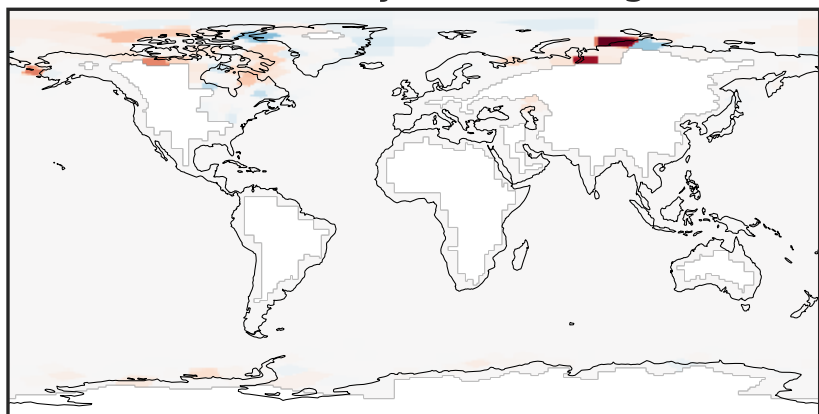
Difference (1x1.25)
Dev - Ref, Dynamic Range



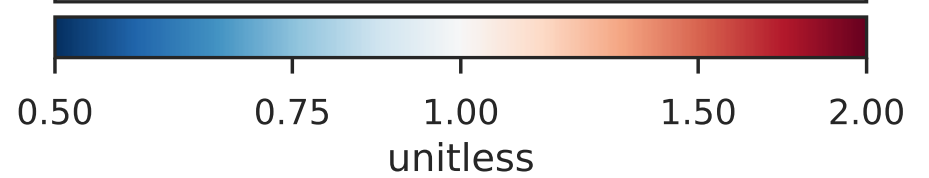
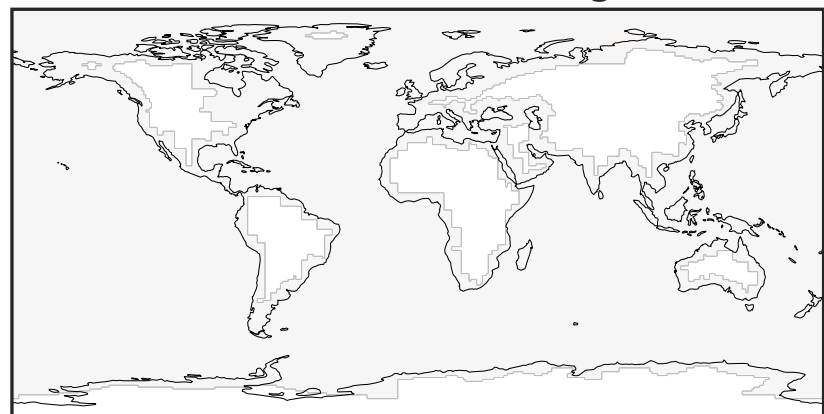
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

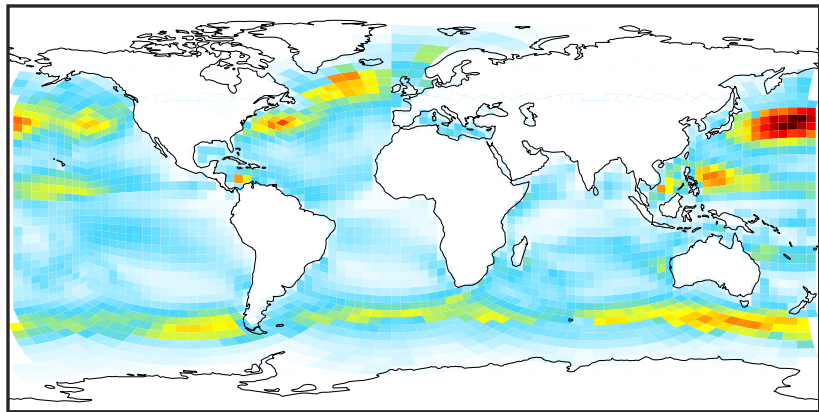


Ratio (1x1.25)
Dev/Ref, Fixed Range



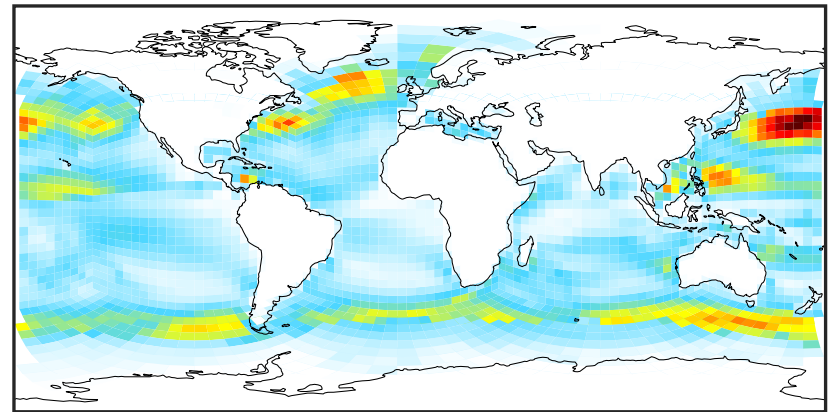
EmisSALC_Natural (Jan2019)

GCHP_14.0.0 (Ref)
c24



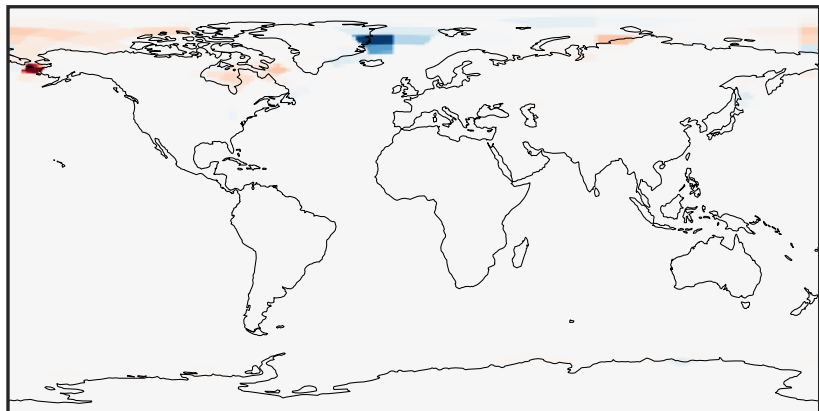
0.0 0.4 0.8 1.2 $1e-9$
kg/m²/s

GCHP_14.2.0 (Dev)
c24



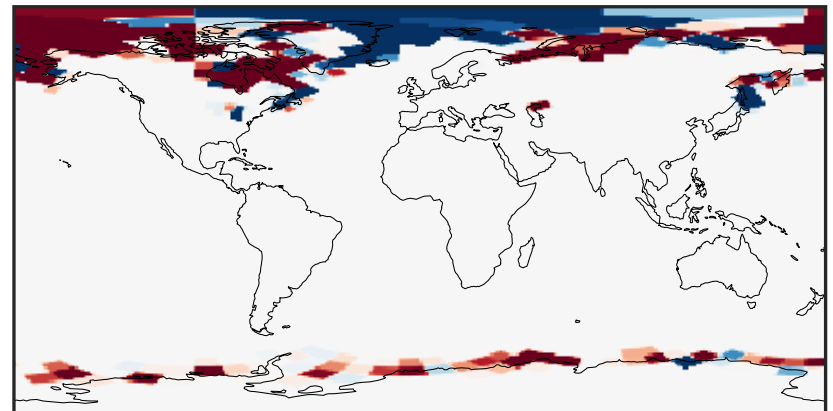
0.0 0.4 0.8 1.2 $1e-9$
kg/m²/s

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



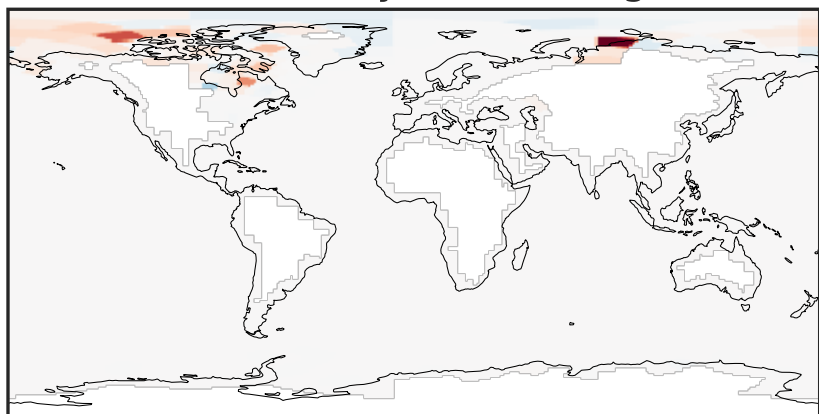
-6 0 6 $1e-15$
kg/m²/s

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



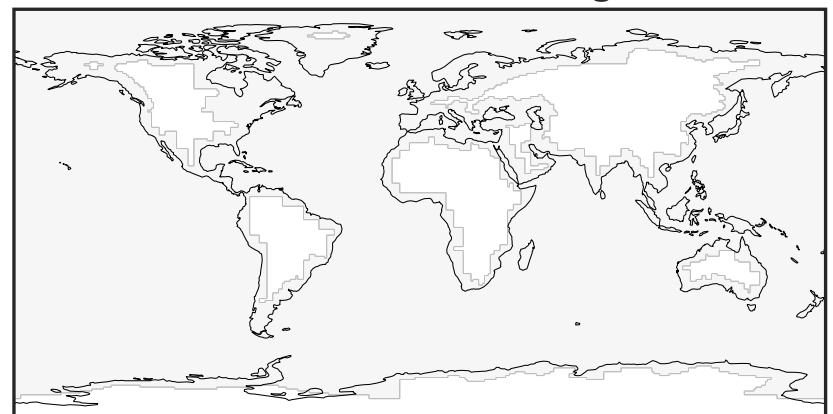
-5 0 5 $1e-17$
kg/m²/s

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



0.995858 0.997929 1.000000 1.002079 1.004159
unitless

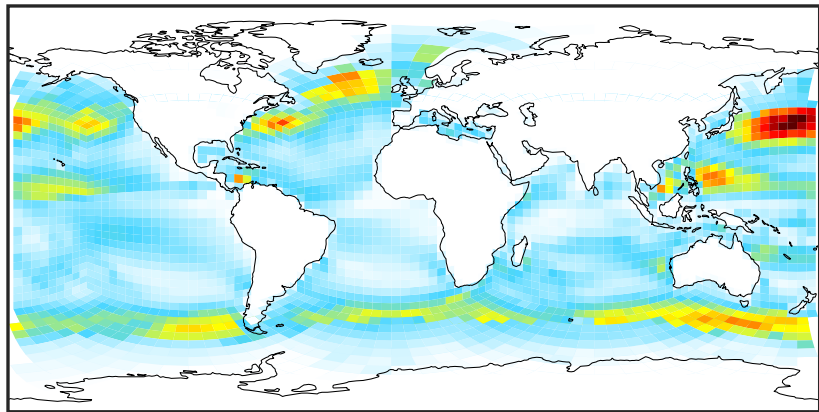
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

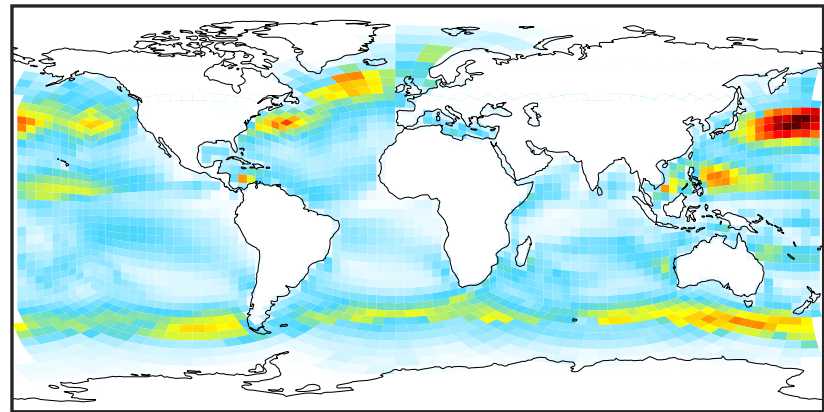
EmisSALCAL_Natural (Jan2019)

GCHP_14.0.0 (Ref)
c24



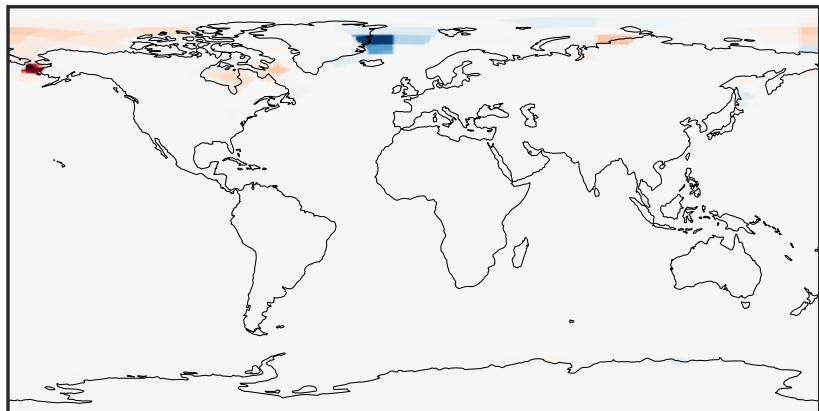
0.0 0.4 0.8 1.2 $1e-9$
kg/m²/s

GCHP_14.2.0 (Dev)
c24



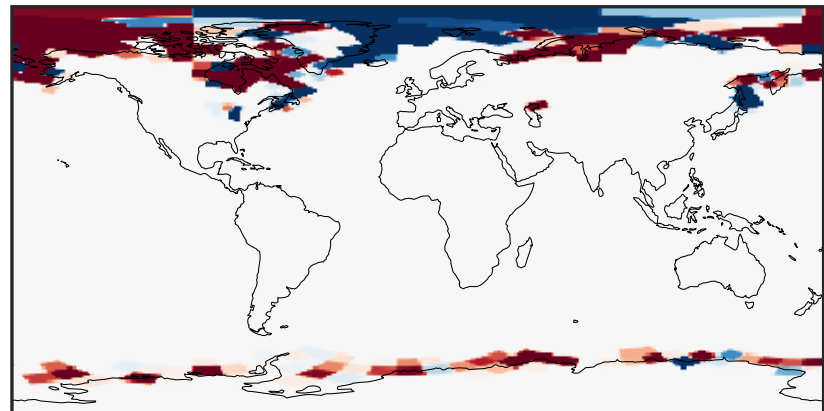
0.0 0.4 0.8 1.2 $1e-9$
kg/m²/s

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



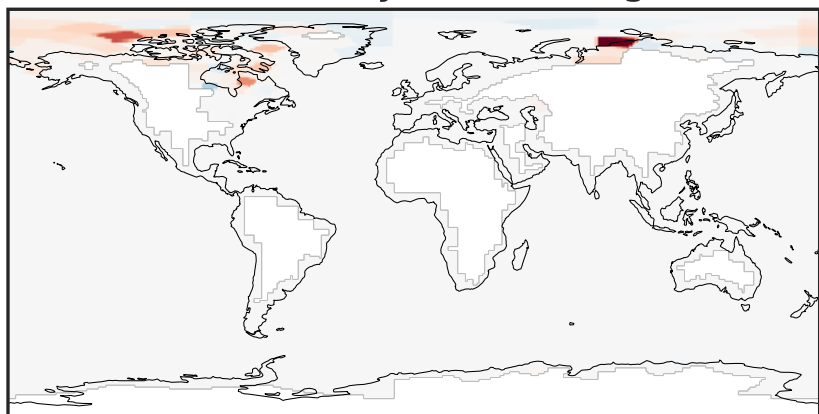
-6 0 6 $1e-15$
kg/m²/s

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



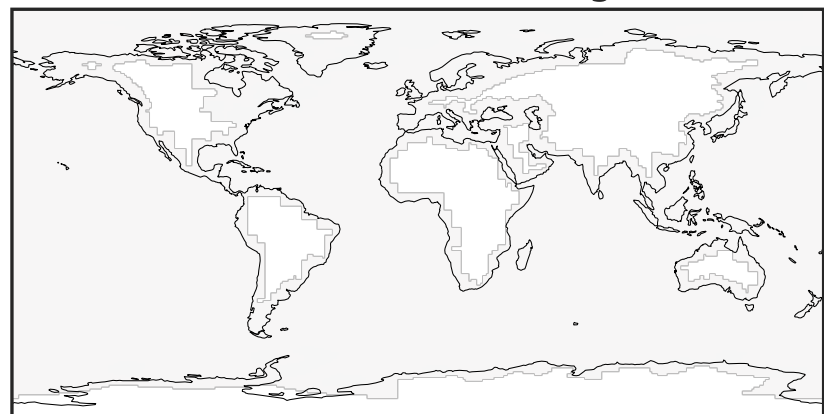
-5 0 5 $1e-17$
kg/m²/s

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



0.995858 0.997929 1.000000 1.002079 1.004159
unitless

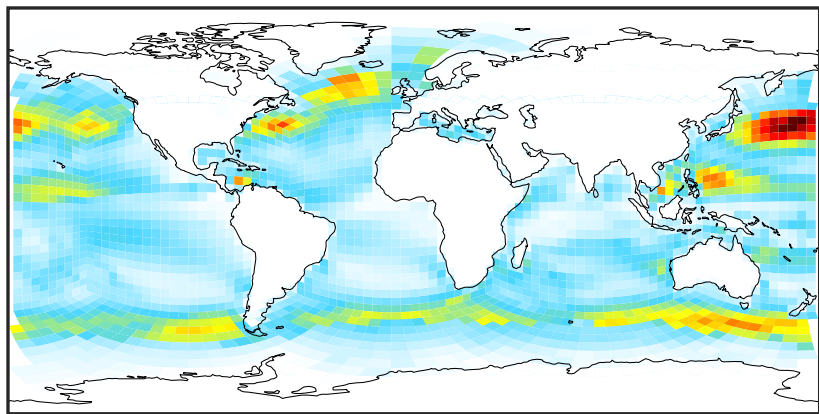
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

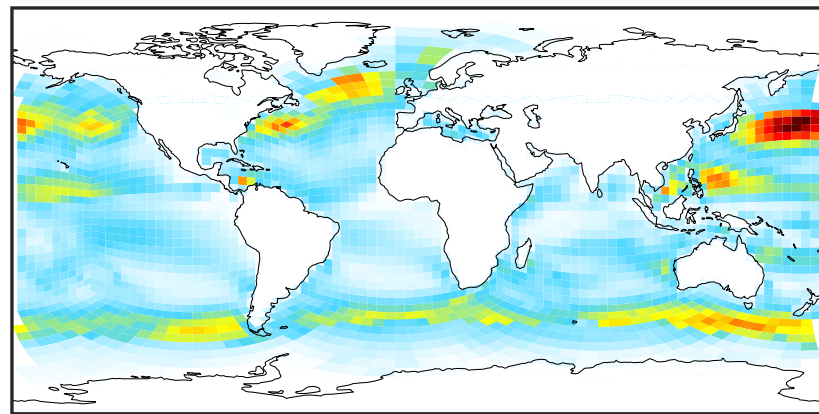
EmisSALCCL_Natural (Jan2019)

GCHP_14.0.0 (Ref)
c24



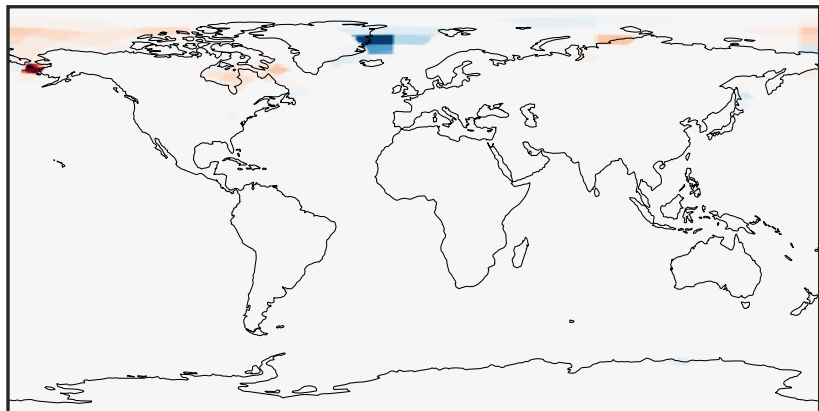
0.0 2.5 5.0 7.5
kg/m2/s $1e-10$

GCHP_14.2.0 (Dev)
c24



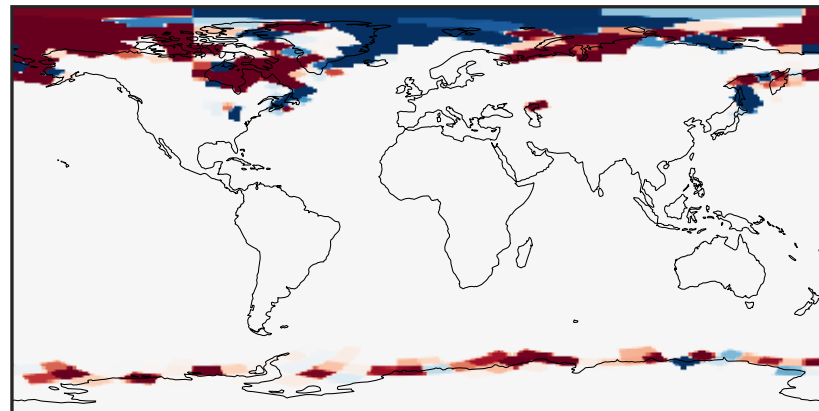
0.0 2.5 5.0 7.5
kg/m2/s $1e-10$

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



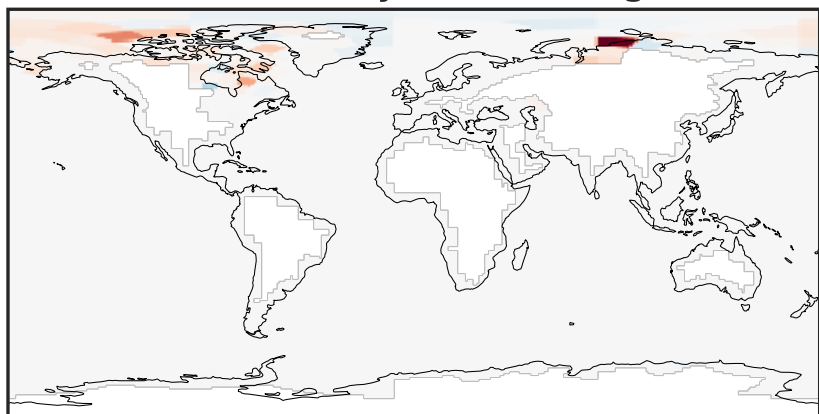
-8 0 8
kg/m2/s $1e-15$

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



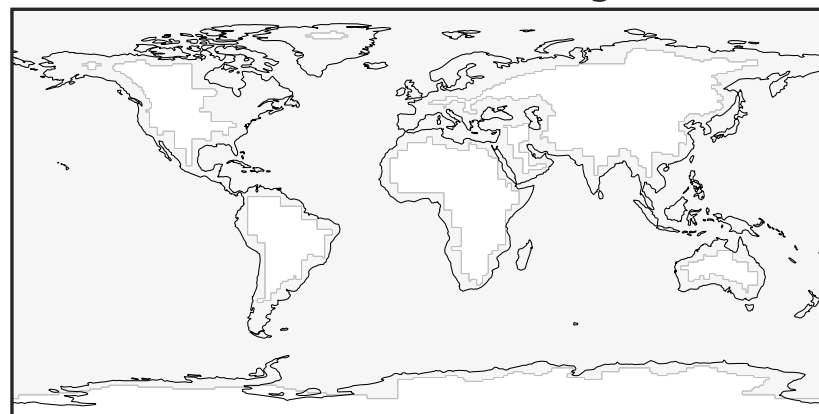
-5 0 5
kg/m2/s $1e-17$

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



0.99380 0.99690 1.00000 1.00312 1.00624
unitless

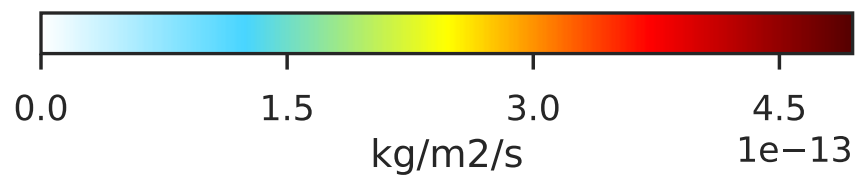
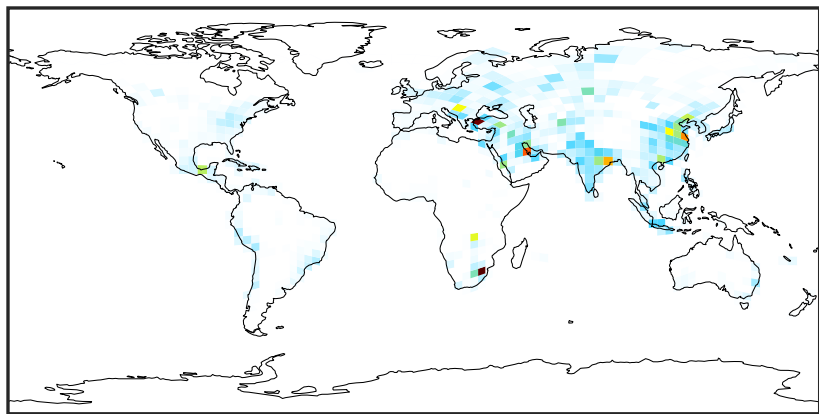
Ratio (1x1.25)
Dev/Ref, Fixed Range



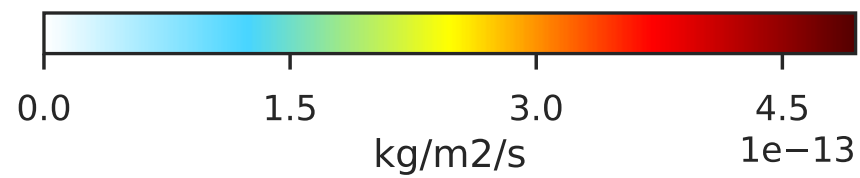
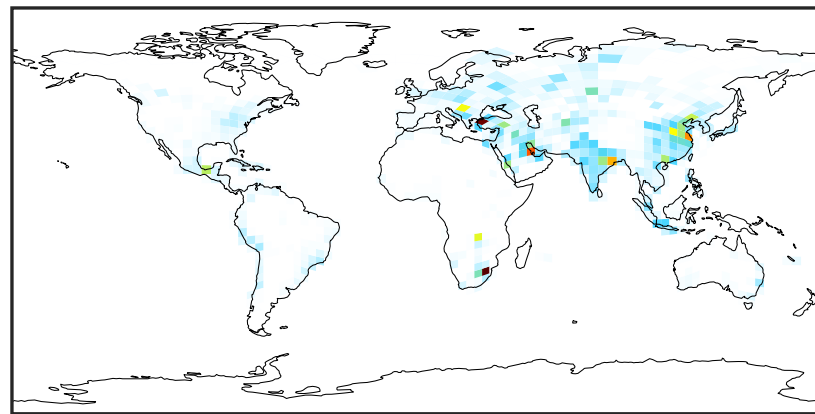
0.50 0.75 1.00 1.50 2.00
unitless

EmispFe_Anthro (Jan2019)

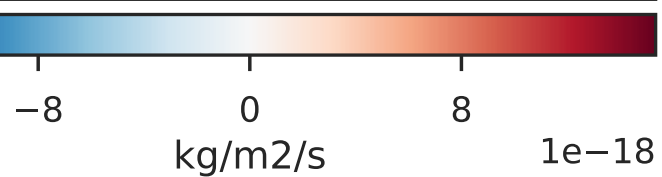
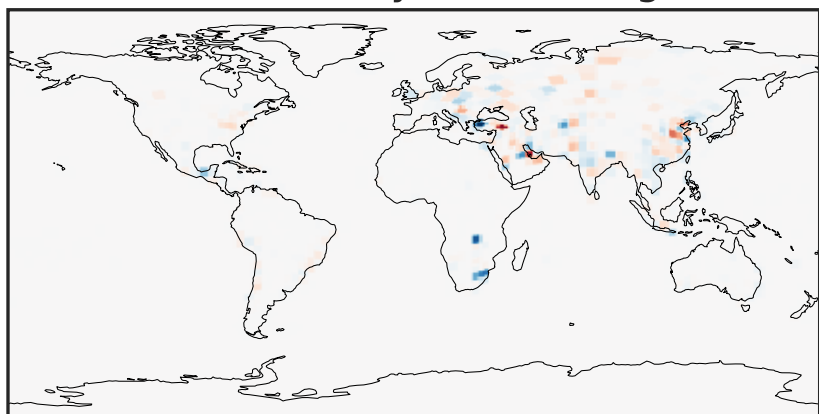
GCHP_14.0.0 (Ref)
c24



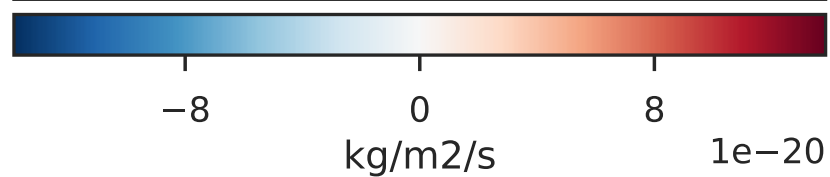
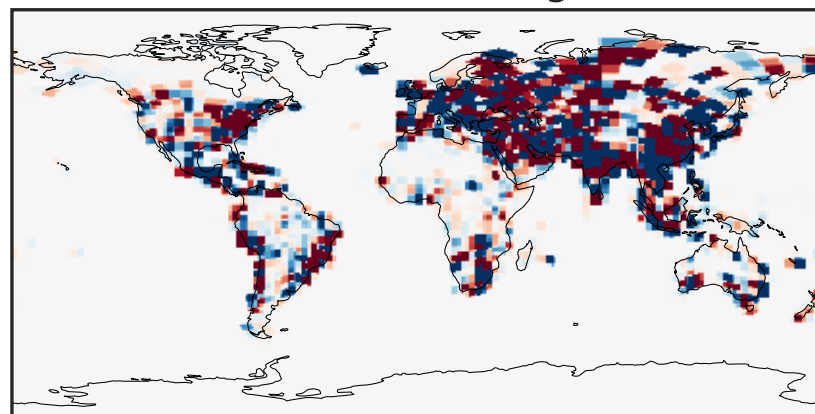
GCHP_14.2.0 (Dev)
c24



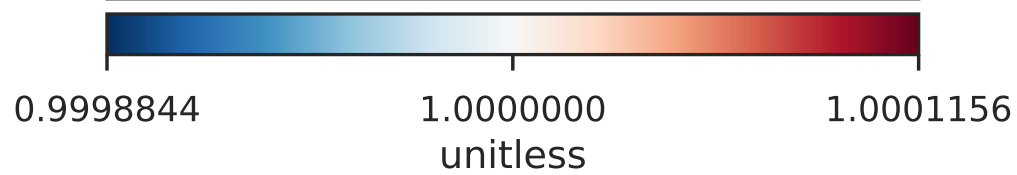
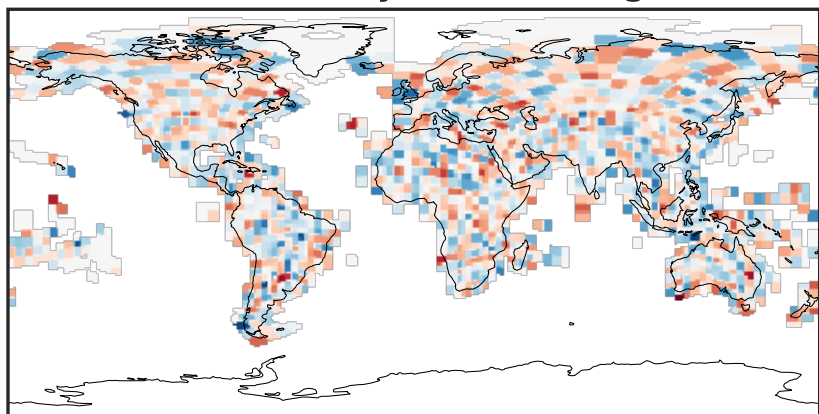
Difference (1x1.25)
Dev - Ref, Dynamic Range



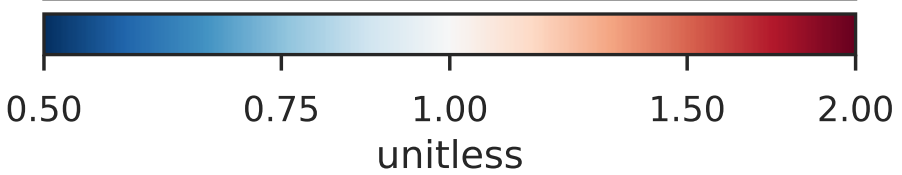
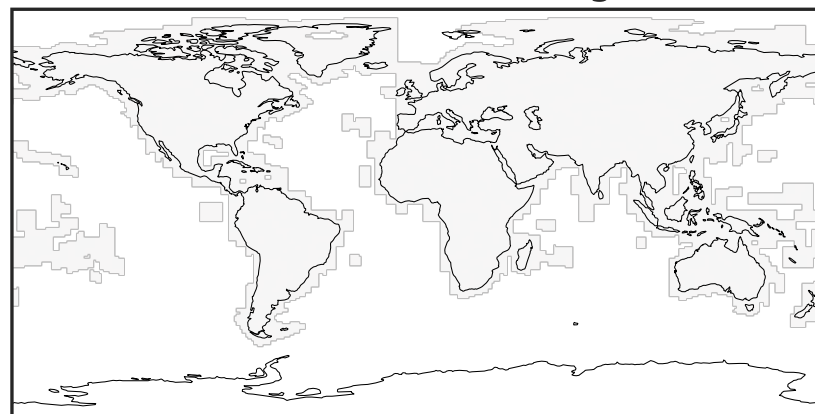
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

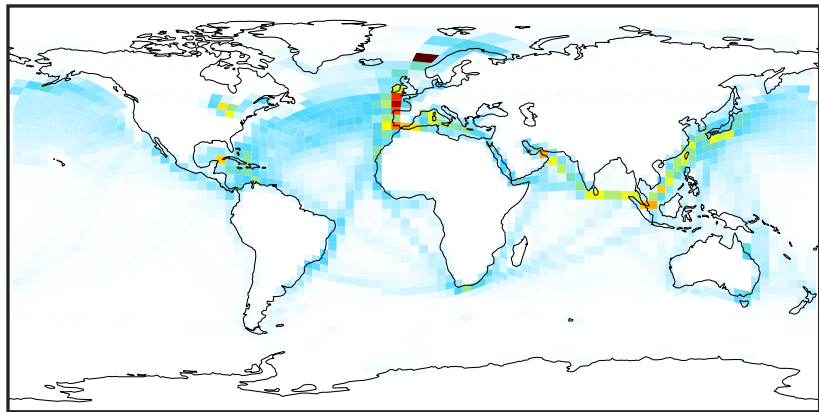


Ratio (1x1.25)
Dev/Ref, Fixed Range



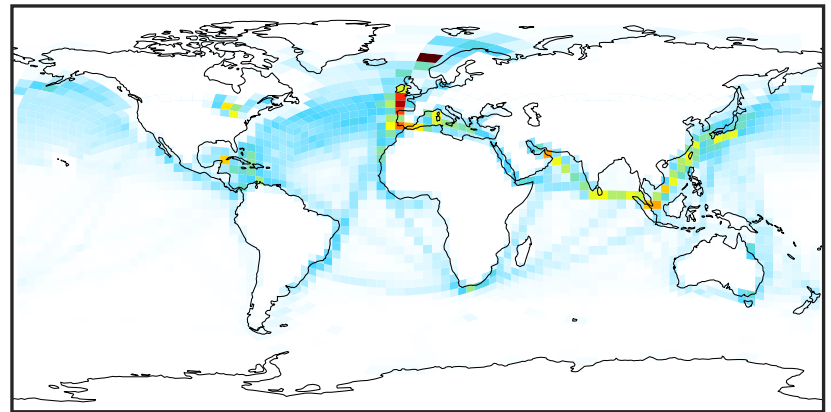
EmispFe_Ship (Jan2019)

GCHP_14.0.0 (Ref)
c24



0.0 0.4 0.8 1.2 $1e-14$
kg/m²/s

GCHP_14.2.0 (Dev)
c24



0.0 0.4 0.8 1.2 $1e-14$
kg/m²/s

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



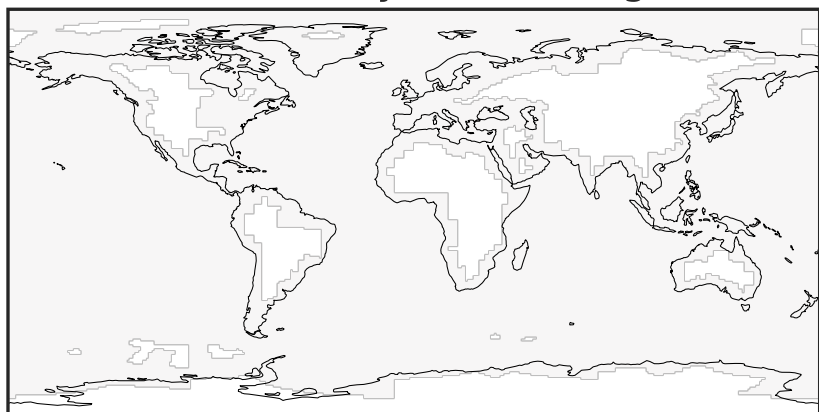
Zero throughout domain
kg/m²/s

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



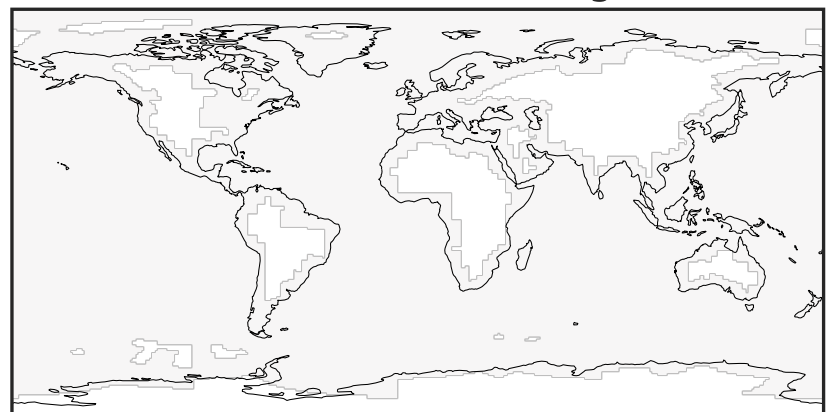
Zero throughout domain
kg/m²/s

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



Ref and Dev equal throughout domain
unitless

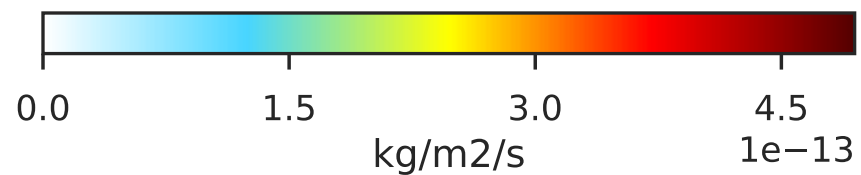
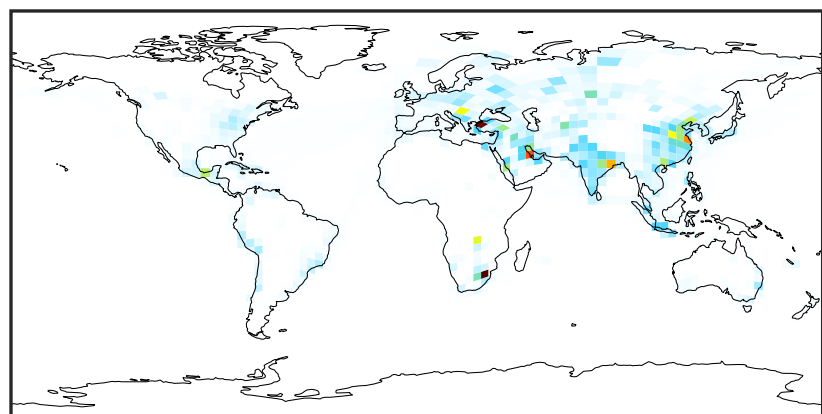
Ratio (1x1.25)
Dev/Ref, Fixed Range



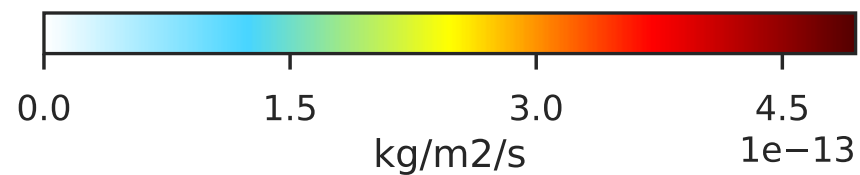
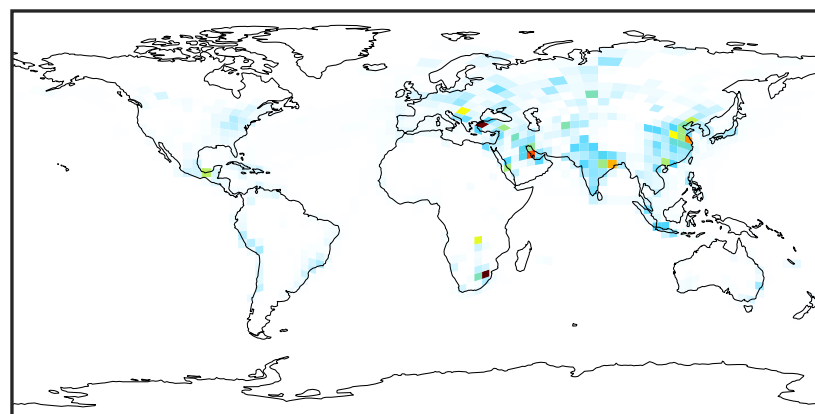
Ref and Dev equal throughout domain
unitless

EmispFe_Total (Jan2019)

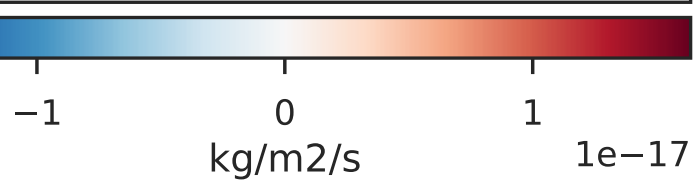
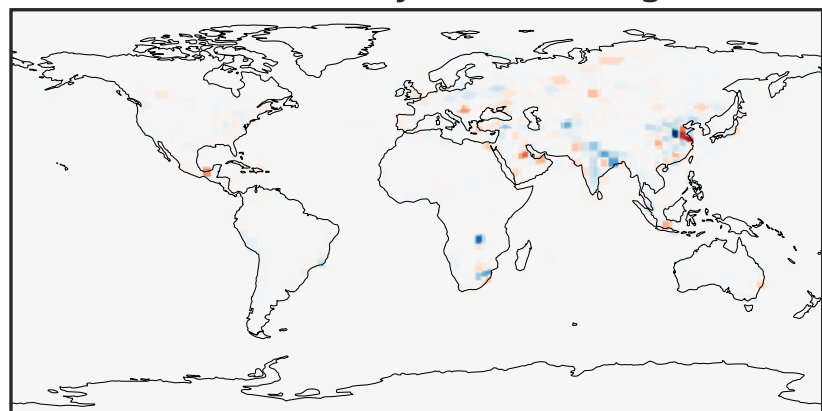
GCHP_14.0.0 (Ref)
c24



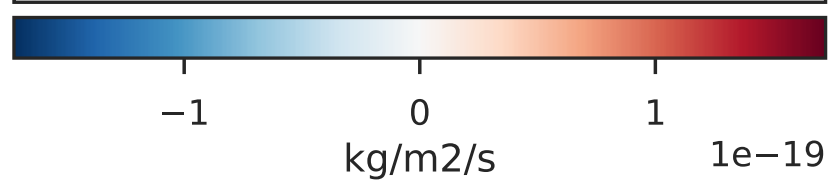
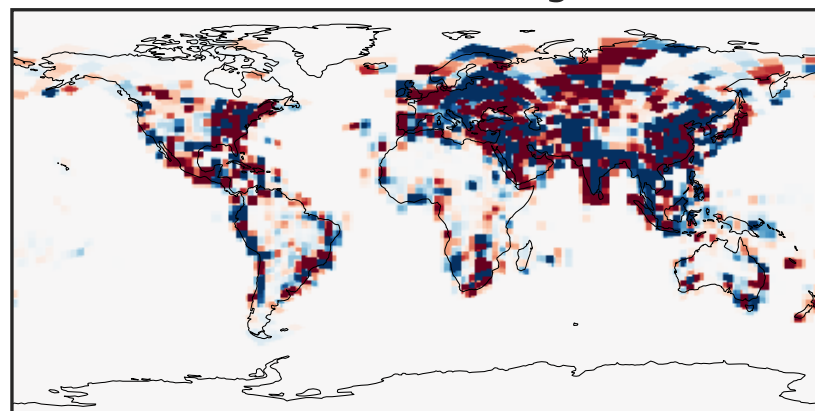
GCHP_14.2.0 (Dev)
c24



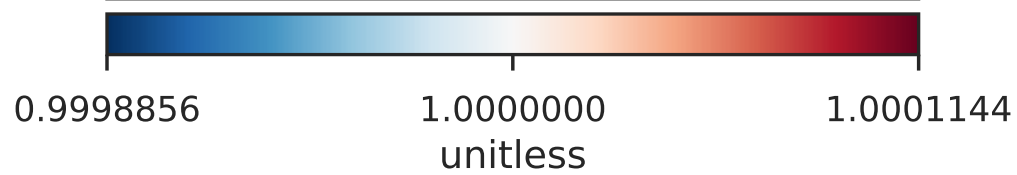
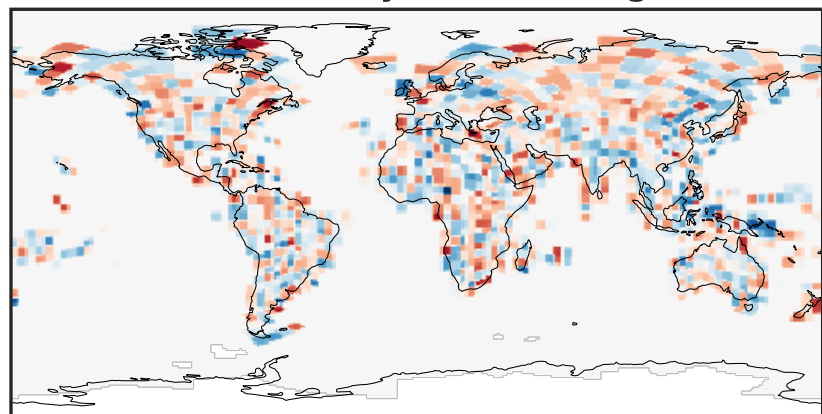
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

